

GC/MS Semi-Volatile Data

**GC/MS Semi-Volatile Data
QC Summary**

FORM2

Surrogate Recovery

0409

Dfile	Sample#	Matrix	Surr Dil	Dilute Out Flag	Column1	Column1	Column1	Column1	Column1	Column1
					S1	S2	S3	S4	S5	S6
					Recov	Recov	Recov	Recov	Recov	Recov
4M05710	SMB2632	Soil	1		84	94	82	87	91	83
5M10254	SMB2632	Soil	1		89	87	85	89	92	93
5M10295	WMB2648	Aqueous	1		61	43	90	88	92	98
4M05736	AC19099-001	Soil	1		70	71	63	79	91	131
4M05737	AC19099-002	Soil	1		69	80	61	81	85	124
4M05714	AC19099-003	Soil	1		80	89	90	73	90	109
4M05728	AC19099-004(3X)	Soil	3		84	91	80	76	78	112
4M05729	AC19099-005(3X)	Soil	3		76	81	75	81	79	95
4M05739	AC19099-006	Soil	1		72	76	68	80	89	108
4M05717	AC19099-007	Soil	1		77	78	89	81	88	136
4M05718	AC19099-008	Soil	1		77	76	78	78	87	116
5M10262	AC19099-009	Soil	1		72	72	72	71	83	82
4M05738	AC19099-010	Soil	1		63	63	66	74	76	123
4M05720	AC19099-011	Soil	1		67	74	74	68	72	123
4M05721	AC19099-012	Soil	1		77	77	83	75	82	128
4M05733	AC19099-013	Soil	1		67	73	75	77	90	134
4M05740	AC19099-014	Soil	1		67	75	69	87	77	130
4M05711	AC19099-015	Soil	1		74	75	79	82	82	87
4M05712	AC19099-016(MS:AC	Soil	1		75	79	84	81	90	109
4M05713	AC19099-017(MSD:A	Soil	1		80	80	81	87	91	121
4M05723	AC19099-018	Soil	1		71	82	77	75	85	126
5M10300	AC19099-019	Aqueous	1		67	48	93	87	90	93
4M05707	SMB2632(MS)	Soil	1		76	79	73	82	97	86
5M10294	WMB2648(MS)	Aqueous	1		67	49	100	80	88	97

Flags: SD=Surrogate diluted out
 *=Surrogate out

Method: 8270

Soil Limits

Compound	Spike Amt	Limits
S1=2-Fluorophenol	200	25-121
S2=Phenol-d5	200	24-113
S3=Nitrobenzene-d5	100	23-120
S4=2-Fluorobiphenyl	100	30-115
S5=2,4,6-Tribromophenol	200	19-122
S6=Terphenyl-d14	100	18-137

Aqueous Limits

Compound	Spike Amt	Limits
S1=2-Fluorophenol	200	21-100
S2=Phenol-d5	200	10-94
S3=Nitrobenzene-d5	100	35-114
S4=2-Fluorobiphenyl	100	43-116
S5=2,4,6-Tribromophenol	200	10-123
S6=Terphenyl-d14	100	33-141

Data File: 5M10294.D
Data/Batch/Sample ID: WMB2648(MS)
Date/Time: 08/19/05 14:14

Compound	Limit(s)				Conc			Conc			Conc			Conc		
	Soil	Aq	Col	Mr	Conc	Exp	Rec	Conc	Exp	Rec	Conc	Exp	Rec	Conc	Exp	Rec
1,2,4-Trichlorobenz		39-98	1	0	84.09	100	84									
1,4-Dichlorobenzen		36-97	1	0	75.82	100	76									
2,4-Dinitrotoluene		24-96	1	0	91.36	100	91									
2-Chlorophenol		27-123	1	0	84.72	100	85									
4-Chloro-3-methylp		23-97	1	0	95.39	100	95									
4-Nitrophenol		10-80	1	0	57.84	100	58									
Acenaphthene		46-118	1	0	88.79	100	89									
N-Nitroso-di-n-propy		41-116	1	0	88.09	100	88									
Pentachlorophenol		9-103	1	0	94.57	100	95									
Phenol		12-89	1	0	45.38	100	45									
Pyrene		26-127	1	0	88.4	100	88									

FORM 3
Spike Recovery

0402

Batch Number: SMB2632

Mbs File: 4M05707.D

Mbs Name: SMB2632(MS)

Non Spk'd File: 4M05711.D

Ns Name: AC19099-015

Spike File: 4M05712.D

Ms Name: AC19099-016(MS)

Spike Dup File: 4M05713.D

Msd Name: AC19099-017(MS)

Matrix: Soil

Method: 8270

Compound	Col	Mr	Conc Exp	Lo Lim	Hi Lim	Rpd Lim	Mbs Conc	Sample Conc	Spike Conc	Spike Dup Conc	Mbs Rec	MS Rec	Msd Rec	Rpd
Phenol	1	0	200	26	90	35	123.31	0.00	147.11	143.51	62	74	72	2.5
2-Chlorophenol	1	0	200	25	102	50	139.22	0.00	152.55	151.32	70	76	76	0.81
1,4-Dichlorobenzene	1	0	100	28	104	27	75.91	0.00	79.22	80.16	76	79	80	1.2
N-Nitroso-di-n-propyla	1	0	100	41	126	38	79.12	0.00	79.84	89.27	79	80	89	11
1,2,4-Trichlorobenzene	1	0	100	38	107	23	82.72	0.00	79.26	88.44	83	79	88	11
4-Chloro-3-methylphen	1	0	200	26	103	33	164.50	0.00	156.69	163.51	82	78	82	4.3
Acenaphthene	1	0	100	31	137	19	92.36	10.52	96.56	97.86	92	86	87	1.3
2,4-Dinitrotoluene	1	0	100	28	89	47	104.89	0.00	105.30	104.15	105 Mo	105 Mo	104 Mo	1.1
4-Nitrophenol	1	0	200	11	114	50	201.66	0.00	213.53	217.67	101	107	109	1.9
Pentachlorophenol	1	0	200	17	109	47	193.36	0.00	195.48	186.16	97	98	93	4.9
Pyrene	1	0	100	35	142	36	88.39	70.16	174.72	186.49	88	105	116	6.5

Note:

Rp = Failed Rpd Criteria

Mo = Failed Recovery Criteria

^ - Both Ms and Msd Recoveries = 0 ... no valid information can be calculated

FORM 4
Blank Summary

Blank Number: WMB2648
Blank Data File: 5M10295.D
Matrix: Aqueous

Blank Analysis Date: 08/19/05 14:35
Blank Extraction Date: 08/19/05
(If Applicable)

Sample Number	Data File	Analysis Date
AC19099-019	5M10300.D	08/19/05 16:24
WMB2648(MS)	5M10294.D	08/19/05 14:14

FORM 4
Blank SummaryBlank Number: SMB2632
Blank Data File: 5M10254.D
Matrix: SoilBlank Analysis Date: 08/18/05 13:21
Blank Extraction Date: 08/17/05
(If Applicable)

Sample Number	Data File	Analysis Date
AC19099-009	5M10262.D	08/18/05 16:12

FORM 4
Blank SummaryBlank Number: SMB2632
Blank Data File: 4M05710.D
Matrix: SoilBlank Analysis Date: 08/18/05 15:59
Blank Extraction Date: 08/17/05
(If Applicable)

Sample Number	Data File	Analysis Date
AC19099-001	4M05736.D	08/19/05 10:58
AC19099-002	4M05737.D	08/19/05 11:22
AC19099-003	4M05714.D	08/18/05 17:36
AC19099-004(3X)	4M05728.D	08/19/05 07:48
AC19099-005(3X)	4M05729.D	08/19/05 08:12
AC19099-006	4M05739.D	08/19/05 12:10
AC19099-007	4M05717.D	08/18/05 18:48
AC19099-008	4M05718.D	08/18/05 19:11
AC19099-010	4M05738.D	08/19/05 11:46
AC19099-011	4M05720.D	08/18/05 19:59
AC19099-012	4M05721.D	08/18/05 20:23
AC19099-013	4M05733.D	08/19/05 09:47
AC19099-014	4M05740.D	08/19/05 12:34
AC19099-015	4M05711.D	08/18/05 16:24
AC19099-016(MS)	4M05712.D	08/18/05 16:48
AC19099-017(MS)	4M05713.D	08/18/05 17:12
AC19099-018	4M05723.D	08/18/05 21:11
SMB2632(MS)	4M05707.D	08/18/05 14:47

Form 5

0405

Tune Name: CAL DFTPP
Instrument: GCMS_5

Data File: 5M10174.D
Analysis Date: 08/17/05 07:51

Tune Scan/Time Range: Scan 811

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/Fail
51	198	30	60	39.8	19912	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	42.8	21448	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	50.7	25400	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	50056	PASS
199	198	5	9	6.7	3359	PASS
275	198	10	30	17.0	8513	PASS
365	198	1	100	1.1	573	PASS
441	443	0.01	100	71.2	3026	PASS
442	198	40	100	41.2	20616	PASS
443	442	17	23	20.6	4251	PASS

Data File	Sample Number	Analysis Date:
5M10175.D	CAL BNA@50PPM	08/17/05 08:09
5M10176.D	CAL BNA@10PPM	08/17/05 08:30
5M10177.D	CAL BNA@25PPM	08/17/05 08:52
5M10178.D	CAL BNA@80PPM	08/17/05 09:14
5M10179.D	CAL BNA@120PP	08/17/05 09:35
5M10180.D	CAL BNA@160PP	08/17/05 09:57
5M10181.D	CAL BNA@200PP	08/17/05 10:18
5M10182.D	WMB2644(MS)	08/17/05 10:40
5M10183.D	WMB2644	08/17/05 11:02
5M10184.D	AC19081-001	08/17/05 11:23
5M10185.D	AC19081-001(MS)	08/17/05 11:45
5M10186.D	AC19081-001(MS)	08/17/05 12:07
5M10187.D	AC19113-001	08/17/05 12:28
5M10188.D	SMB2630	08/17/05 12:49
5M10189.D	AC19023-002	08/17/05 13:11
5M10190.D	AC19113-005	08/17/05 13:33
5M10191.D	AC19113-006	08/17/05 13:54
5M10192.D	AC19017-002	08/17/05 14:37
5M10193.D	AC19017-003	08/17/05 14:58
5M10194.D	AC19017-004	08/17/05 15:20
5M10195.D	AC19017-006	08/17/05 15:41
5M10196.D	AC19072-003	08/17/05 16:03
5M10197.D	AC19072-005	08/17/05 16:25
5M10198.D	AC19041-005	08/17/05 16:46
5M10199.D	WMB2645	08/17/05 17:08
5M10200.D	WMB2645(MS)	08/17/05 17:29
5M10201.D	AC19074-010	08/17/05 17:51
5M10202.D	AC19074-010(MS)	08/17/05 18:12
5M10203.D	AC19074-010(MS)	08/17/05 18:34
5M10204.D	AC18766-003(T)	08/17/05 18:55
5M10205.D	EF-1 V5752	08/17/05 19:16
5M10206.D	AC19063-001(10X)	08/17/05 19:38
5M10207.D	AC19072-018	08/17/05 19:59
5M10208.D	AC19072-026	08/17/05 20:20
5M10209.D	AC19074-001	08/17/05 20:41
5M10210.D	AC19074-002	08/17/05 21:03
5M10211.D	AC19074-003	08/17/05 21:24
5M10212.D	AC19074-004	08/17/05 21:45
5M10213.D	AC19074-005	08/17/05 22:06
5M10214.D	AC19074-007	08/17/05 22:28
5M10215.D	AC19074-008	08/17/05 22:49
5M10216.D	AC19074-009	08/17/05 23:10
5M10217.D	AC19077-001	08/17/05 23:31
5M10218.D	AC19077-003	08/17/05 23:52
5M10219.D	AC19019-002	08/18/05 00:14
5M10220.D	AC19019-003	08/18/05 00:35
5M10221.D	AC19031-001	08/18/05 00:56
5M10222.D	AC19031-002	08/18/05 01:18
5M10223.D	AC19031-003	08/18/05 01:39
5M10224.D	AC19031-004	08/18/05 02:00
5M10225.D	AC19031-005	08/18/05 02:21
5M10226.D	AC19031-006	08/18/05 02:43
5M10227.D	AC19035-001	08/18/05 03:04
5M10228.D	AC19035-002	08/18/05 03:25
5M10229.D	AC19063-002	08/18/05 03:47
5M10230.D	AC19072-004	08/18/05 04:08
5M10231.D	AC19072-006	08/18/05 04:29
5M10232.D	AC19072-008	08/18/05 04:50
5M10233.D	AC19072-011	08/18/05 05:12
5M10234.D	AC19072-014	08/18/05 05:33
5M10235.D	AC19072-017	08/18/05 05:54
5M10236.D	AC19063-001(30X)	08/18/05 06:15
5M10237.D	AC19082-001	08/18/05 06:37
5M10238.D	AC19082-002	08/18/05 06:58
5M10239.D	AC19096-001	08/18/05 07:19

Form 5

Tune Name: CAL DFTPP
 Instrument: GCMS_5

Data File: 5M10174.D
 Analysis Date: 08/17/05 07:51

0407

Tune Scan/Time Range: Scan 811

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	39.8	19912	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	42.8	21448	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	50.7	25400	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	50056	PASS
199	198	5	9	6.7	3359	PASS
275	198	10	30	17.0	8513	PASS
365	198	1	100	1.1	573	PASS
441	443	0.01	100	71.2	3026	PASS
442	198	40	100	41.2	20616	PASS
443	442	17	23	20.6	4251	PASS

5M10240.D

AC19104-001

08/18/05 07:40

Form 5

8070

Tune Name: CAL DFTPP
Instrument: GCMS_5

Data File: 5M10241.D
Analysis Date: 08/18/05 08:40

Tune Scan/Time Range: Average of 7.697 to 7.714 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	31.7	30948	PASS
68	69	0.00	2	0.3	123	PASS
69	198	0.00	100	36.3	35414	PASS
70	69	0.00	2	0.4	136	PASS
127	198	40	60	48.2	46984	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	97520	PASS
199	198	5	9	7.0	6852	PASS
275	198	10	30	18.8	18335	PASS
365	198	1	100	1.5	1418	PASS
441	443	0.01	100	76.9	7642	PASS
442	198	40	100	50.2	48976	PASS
443	442	17	23	20.3	9941	PASS

Data File	Sample Number	Analysis Date:
5M10242.D	CAL BNA@50PPM	08/18/05 08:57
5M10243.D	WMB2646	08/18/05 09:18
5M10244.D	WMB2646(MS)	08/18/05 09:40
5M10245.D	AC19096-003	08/18/05 10:01
5M10246.D	AC19096-003(MS)	08/18/05 10:23
5M10247.D	AC19096-003(MS)	08/18/05 10:44
5M10248.D	AC19103-001	08/18/05 11:05
5M10249.D	AC19103-002	08/18/05 11:27
5M10250.D	AC19103-003	08/18/05 11:48
5M10251.D	AC18937-001(50X)	08/18/05 12:10
5M10252.D	AC19124-001(10X)	08/18/05 12:38
5M10253.D	SMB2631	08/18/05 12:59
5M10254.D	SMB2632	08/18/05 13:21
5M10255.D	AC19103-004	08/18/05 13:42
5M10256.D	AC19103-005	08/18/05 14:04
5M10257.D	AC19103-006	08/18/05 14:25
5M10258.D	SMB2631(MS)	08/18/05 14:46
5M10259.D	SMB2633	08/18/05 15:08
5M10260.D	AC19108-012	08/18/05 15:29
5M10261.D	AC19108-013	08/18/05 15:50
5M10262.D	AC19099-009	08/18/05 16:12
5M10263.D	WMB2647	08/18/05 16:33
5M10264.D	WMB2647(MS)	08/18/05 16:55
5M10265.D	AC19124-001(T)	08/18/05 17:16
5M10266.D	AC19124-001(MS)(	08/18/05 17:38
5M10267.D	AC19124-001(MS)	08/18/05 17:59
5M10268.D	AC19123-004(T)	08/18/05 18:21
5M10269.D	EF-2 V5861	08/18/05 18:42
5M10270.D	SMB2633(MS)	08/18/05 19:03
5M10271.D	AC19160-003	08/18/05 19:24
5M10272.D	AC19160-003(MS)	08/18/05 19:46
5M10273.D	AC19160-003(MS)	08/18/05 20:07
5M10274.D	AC19160-001	08/18/05 20:28
5M10275.D	AC19105-001	08/18/05 20:49

Form 5

6070

Tune Name: CAL DFTPP Data File: 4M05699.D
 Instrument: GCMS_4 Analysis Date: 08/18/05 11:42

Tune Scan/Time Range: Average of 5.628 to 5.659 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	57.6	25482	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	63.6	28124	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	44.9	19844	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	44228	PASS
199	198	5	9	7.1	3129	PASS
275	198	10	30	23.5	10383	PASS
365	198	1	100	2.4	1055	PASS
441	443	0.01	100	93.0	5281	PASS
442	198	40	100	63.7	28168	PASS
443	442	17	23	20.2	5677	PASS

Data File	Sample Number	Analysis Date:
4M05700.D	CAL BNA@50PPM	08/18/05 12:01
4M05701.D	CAL BNA@10PPM	08/18/05 12:24
4M05702.D	CAL BNA@25PPM	08/18/05 12:48
4M05703.D	CAL BNA@80PPM	08/18/05 13:12
4M05704.D	CAL BNA@120PP	08/18/05 13:36
4M05705.D	CAL BNA@160PP	08/18/05 13:59
4M05706.D	CAL BNA@200PP	08/18/05 14:23
4M05707.D	SMB2632(MS)	08/18/05 14:47
4M05708.D	SMB2633	08/18/05 15:11
4M05709.D	SMB2631	08/18/05 15:35
4M05710.D	SMB2632	08/18/05 15:59
4M05711.D	AC19099-015	08/18/05 16:24
4M05712.D	AC19099-016(MS:	08/18/05 16:48
4M05713.D	AC19099-017(MS	08/18/05 17:12
4M05714.D	AC19099-003	08/18/05 17:36
4M05715.D	AC19099-004	08/18/05 18:00
4M05716.D	AC19099-005	08/18/05 18:24
4M05717.D	AC19099-007	08/18/05 18:48
4M05718.D	AC19099-008	08/18/05 19:11
4M05719.D	AC19099-010	08/18/05 19:35
4M05720.D	AC19099-011	08/18/05 19:59
4M05721.D	AC19099-012	08/18/05 20:23
4M05722.D	AC19099-013	08/18/05 20:47
4M05723.D	AC19099-018	08/18/05 21:11
4M05724.D	AC19108-001	08/18/05 21:34
4M05725.D	AC19108-014	08/18/05 21:58

Form 5

BNA

Tune Name: CAL DFTPP

Data File: 5M10276.D

Instrument: GCMS_5

Analysis Date: 08/19/05 06:06

Tune Scan/Time Range: Scan 810

Tgt	Rel	Lo	Hi	Rel	Raw	Pass/
Mass	Mass	Lim	Lim	Abund	Abund	Fail
51	198	30	60	30.0	49952	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	33.9	56416	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	47.2	78448	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	166336	PASS
199	198	5	9	6.5	10874	PASS
275	198	10	30	18.6	30976	PASS
365	198	1	100	1.5	2414	PASS
441	443	0.01	100	76.0	13285	PASS
442	198	40	100	52.4	87208	PASS
443	442	17	23	20.0	17480	PASS

Data File	Sample Number	Analysis Date:
5M10277.D	CAL BNA@50PPM	08/19/05 06:23
5M10278.D	AC19175-001	08/19/05 06:51
5M10279.D	AC19175-003	08/19/05 07:12
5M10280.D	AC19175-005	08/19/05 07:34
5M10281.D	AC19175-007	08/19/05 07:58
5M10282.D	AC19172-001(100)	08/19/05 08:20
5M10283.D	AC19105-001(3X)	08/19/05 08:43
5M10284.D	AC19172-001(50X)	08/19/05 09:05
5M10285.D	AC19114-001	08/19/05 09:26
5M10286.D	AC19115-001	08/19/05 09:47
5M10287.D	AC19141-001	08/19/05 10:09
5M10288.D	AC19141-002	08/19/05 10:30
5M10289.D	AC19172-001(20X)	08/19/05 10:52
5M10290.D	AC19142-001	08/19/05 11:13
5M10291.D	AC19121-001	08/19/05 11:34
5M10292.D	AC19121-003	08/19/05 11:56
5M10293.D	AC19035-002	08/19/05 12:17
5M10294.D	WMB2648(MS)	08/19/05 14:14
5M10295.D	WMB2648	08/19/05 14:35
5M10296.D	AC19142-003	08/19/05 14:57
5M10297.D	AC19142-003(MS)	08/19/05 15:19
5M10298.D	AC19142-003(MS)	08/19/05 15:40
5M10299.D	AC19130-001	08/19/05 16:02
5M10300.D	AC19099-019	08/19/05 16:24
5M10301.D	AC19142-002	08/19/05 16:45
5M10302.D	AC19120-002	08/19/05 17:06
5M10303.D	AC19120-003	08/19/05 17:28
5M10304.D	AC19125-002	08/19/05 17:49
5M10305.D	AC19125-003	08/19/05 18:11

Form 5

0411

Tune Name: CAL DFTPP
Instrument: GCMS_4

Data File: 4M05726.D
Analysis Date: 08/19/05 06:14

Tune Scan/Time Range: Average of 5.613 to 5.664 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
51	198	30	60	55.4	24581	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	61.9	27485	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	44.8	19857	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	44367	PASS
199	198	5	9	7.3	3219	PASS
275	198	10	30	23.8	10544	PASS
365	198	1	100	2.5	1115	PASS
441	443	0.01	100	93.5	5307	PASS
442	198	40	100	63.3	28065	PASS
443	442	17	23	20.2	5675	PASS

Data File	Sample Number	Analysis Date:
4M05727.D	CAL BNA@50PPM	08/19/05 06:59
4M05728.D	AC19099-004(3X)	08/19/05 07:48
4M05729.D	AC19099-005(3X)	08/19/05 08:12
4M05730.D	AC19108-001	08/19/05 08:35
4M05731.D	AC19099-017(MS)	08/19/05 08:59
4M05732.D	AC19099-010	08/19/05 09:23
4M05733.D	AC19099-013	08/19/05 09:47
4M05734.D	AC19124-001(3X)	08/19/05 10:10
4M05735.D	AC19160-007	08/19/05 10:34
4M05736.D	AC19099-001	08/19/05 10:58
4M05737.D	AC19099-002	08/19/05 11:22
4M05738.D	AC19099-010	08/19/05 11:46
4M05739.D	AC19099-006	08/19/05 12:10
4M05740.D	AC19099-014	08/19/05 12:34
4M05741.D	SMB2634(MS)	08/19/05 15:07
4M05742.D	SMB2634	08/19/05 15:31
4M05743.D	AC19159-004	08/19/05 15:55
4M05744.D	AC19190-001	08/19/05 16:19
4M05745.D	AC19190-002	08/19/05 16:43
4M05746.D	AC19190-003(20X)	08/19/05 17:06
4M05747.D	AC19190-004(20X)	08/19/05 17:30

FORM8
Internal Standard Areas
 Evaluation Std Data File: 5M10175.D
 Analysis Date/Time: 08/17/05 08:09
 Lab File ID: CAL BNA@50PPM

0412

Eval File Area/RT:	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
	18221	5.01	71868	6.06	41519	7.39	72107	8.74	65550	11.71	48638	13.29
Eval File Area Limit:	9110-36442		35934-143736		20760-83038		36054-144214		32775-131100		24319-97276	
Eval File Rt Limit:	4.51-5.51		5.56-6.56		6.89-7.89		8.24-9.24		11.21-12.21		12.79-13.79	

Data File Sample#

Data File	Sample#	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
5M10175	CAL BNA@50	18221	5.01	71868	6.06	41519	7.39	72107	8.74	65550	11.71	48638	13.29
5M10176	CAL BNA@10	19400	5.01	79957	6.06	46582	7.39	81178	8.74	71576	11.71	59524	13.29
5M10177	CAL BNA@25	17982	5.01	67640	6.05	40881	7.39	71645	8.74	63799	11.71	48570	13.29
5M10178	CAL BNA@80	19600	5.01	75281	6.05	42375	7.39	72303	8.74	54600	11.71	44207	13.29
5M10179	CAL BNA@12	16090	5.01	63351	6.06	38222	7.39	69496	8.74	56078	11.72	45152	13.29
5M10180	CAL BNA@16	14662	5.01	58089	6.06	35039	7.39	63580	8.74	50977	11.72	41460	13.29
5M10181	CAL BNA@20	12977	5.01	52860	6.06	31081	7.39	58270	8.74	46545	11.72	36493	13.30
5M10182	WMB2644(MS	19917	5.01	77792	6.06	44841	7.39	79125	8.74	67415	11.72	51582	13.29
5M10183	WMB2644	19480	5.01	76189	6.06	44075	7.38	77454	8.74	67177	11.71	53987	13.29
5M10185	AC19081-001(	21340	5.01	80566	6.05	48477	7.39	82127	8.74	67581	11.72	51998	13.29
5M10186	AC19081-001(	21238	5.01	84702	6.06	49605	7.39	85922	8.74	72309	11.72	55005	13.29
5M10188	SMB2630	24210	5.01	95616	6.05	53490	7.38	86229	8.74	64437	11.71	45457	13.29
5M10189	AC19023-002	22894	5.01	89082	6.06	50083	7.38	82690	8.74	59855	11.71	43948	13.29
5M10190	AC19113-005	18487	5.01	76232	6.06	44600	7.39	78412	8.75	65164	11.73	46219	13.30
5M10191	AC19113-006	17869	5.01	76178	6.06	50273	7.39	90021	8.74	66744	11.72	46846	13.32
5M10192	AC19017-002	16806	5.01	72473	6.06	47797	7.39	86301	8.74	69099	11.71	48705	13.29
5M10193	AC19017-003	16945	5.01	73466	6.05	50960	7.39	95958	8.74	70722	11.71	50026	13.30
5M10194	AC19017-004	20649	5.01	90028	6.05	57429	7.39	104434	8.74	75295	11.71	56747	13.30
5M10195	AC19017-006	19593	5.01	84041	6.06	52392	7.39	98995	8.74	74286	11.71	55620	13.29
5M10196	AC19072-003	18265	5.01	74026	6.05	48383	7.39	85825	8.74	66061	11.71	51520	13.29
5M10197	AC19072-005	15682	5.01	66469	6.06	41612	7.39	73502	8.74	60222	11.71	46456	13.29
5M10198	AC19041-005	16623	5.01	68544	6.05	42354	7.39	78660	8.74	62504	11.71	48804	13.29
5M10199	WMB2645	17613	5.01	71110	6.06	46182	7.39	87715	8.74	66036	11.71	51425	13.29
5M10200	WMB2645(MS	17365	5.01	68526	6.06	44163	7.39	84171	8.74	64449	11.72	49014	13.29
5M10202	AC19074-010(	16277	5.01	64494	6.05	41016	7.39	75763	8.74	56754	11.72	43910	13.30
5M10203	AC19074-010(	18246	5.01	74527	6.06	44098	7.39	81771	8.74	66913	11.72	50851	13.30
5M10204	AC18766-003(	16201	5.01	62093	6.05	40683	7.39	72192	8.74	57115	11.71	43205	13.29
5M10205	EF-1 V5752	16976	5.01	64726	6.05	41501	7.39	76562	8.74	59702	11.71	45981	13.29

11 = 1,4-Dichlorobenzene-d4	14 = Phenanthrene-d10	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
12 = Naphthalene-d8	15 = Chrysene-d12	624/8260 Internal Standard concentration = 30ug/L
13 = Acenaphthene-d10	16 = Perylene-d12	524 Internal Standard concentration = 5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Retention Times:

Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

FORM8
Internal Standard Areas
 Evaluation Std Data File: 5M10242.D
 Analysis Date/Time: 08/18/05 08:57
 Lab File ID: CAL BNA@50PPM

11/13

Eval File Area/RT:	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
	20405	5.01	76091	6.05	46428	7.37	86404	8.73	73223	11.69	54950	13.27
Eval File Area Limit:	10202-40810		38046-152182		23214-92856		43202-172808		36612-146446		27475-109900	
Eval File Rt Limit:	4.51-5.51		5.55-6.55		6.87-7.87		8.23-9.23		11.19-12.19		12.77-13.77	

Data File Sample#

5M10243	WMB2646	21349	5.01	84658	6.05	53243	7.37	98977	8.73	84477	11.69	63631	13.27
5M10244	WMB2646(MS	23462	5.01	91111	6.06	53805	7.38	95864	8.73	79915	11.70	59166	13.27
5M10246	AC19096-003(	23939	5.01	87720	6.06	53644	7.38	92888	8.73	76129	11.70	56392	13.27
5M10247	AC19096-003(	24828	5.01	90043	6.06	55047	7.38	98785	8.73	80504	11.70	59954	13.27
5M10248	AC19103-001	23279	5.01	97500	6.05	59586	7.37	105154	8.73	85505	11.69	66128	13.27
5M10249	AC19103-002	22363	5.01	92886	6.05	56483	7.37	102382	8.73	86124	11.69	63408	13.27
5M10250	AC19103-003	23758	5.01	95080	6.05	59423	7.37	103960	8.73	88381	11.69	63922	13.27
5M10251	AC18937-001(	18133	5.01	70686	6.05	41506	7.38	72050	8.73	61055	11.69	48581	13.27
5M10252	AC19124-001(	20445	5.01	79647	6.05	45215	7.38	79841	8.73	66015	11.69	49111	13.27
5M10253	SMB2631	21839	5.01	83639	6.05	51551	7.37	89215	8.73	68767	11.69	53648	13.27
5M10254	SMB2632	22420	5.01	86822	6.05	50133	7.37	86756	8.73	68642	11.69	51224	13.27
5M10255	AC19103-004	22213	5.01	88038	6.05	52463	7.37	93218	8.73	78484	11.69	59194	13.27
5M10256	AC19103-005	20399	5.01	82890	6.05	47763	7.37	90360	8.73	73221	11.69	57594	13.27
5M10257	AC19103-006	23516	5.01	92122	6.05	56403	7.37	98790	8.73	85007	11.69	62672	13.27
5M10258	SMB2631(MS	23664	5.01	89842	6.05	54873	7.37	94969	8.73	78668	11.69	57193	13.27
5M10259	SMB2633	24316	5.01	94638	6.05	55850	7.37	92369	8.73	70731	11.69	49375	13.27
5M10260	AC19108-012	24987	5.01	94862	6.05	56535	7.37	95697	8.73	73423	11.69	56092	13.27
5M10261	AC19108-013	25595	5.01	98672	6.05	59203	7.37	104007	8.73	83921	11.69	60941	13.27
5M10262	AC19099-009	21735	5.01	85119	6.05	50674	7.37	83650	8.73	70495	11.69	52144	13.27
5M10263	WMB2647	22472	5.01	88828	6.05	53972	7.37	94942	8.73	77712	11.69	60185	13.27
5M10264	WMB2647(MS	21069	5.01	78139	6.05	46903	7.38	83165	8.73	67697	11.70	50874	13.27
5M10265	AC19124-001(	22483	5.01	87766	6.05	53020	7.37	90501	8.73	75444	11.69	57932	13.27
5M10266	AC19124-001(	20029	5.01	74861	6.06	46665	7.37	84056	8.73	63401	11.70	46240	13.27
5M10267	AC19124-001(	18987	5.01	73117	6.06	45730	7.37	78609	8.73	61274	11.70	44827	13.27
5M10268	AC19123-004(	21161	5.01	83484	6.05	48249	7.37	82588	8.73	65165	11.69	48697	13.27
5M10269	EF-2 V5861	22650	5.01	86926	6.05	52062	7.37	91315	8.73	72899	11.69	52768	13.27
5M10270	SMB2633(MS	21768	5.01	83390	6.05	48113	7.37	79118	8.73	63778	11.69	46379	13.27
5M10271	AC19160-003	23726	5.01	93666	6.05	54658	7.37	91537	8.73	69513	11.69	53100	13.27
5M10272	AC19160-003(	20496	5.01	77213	6.05	47908	7.37	81442	8.73	66151	11.69	48607	13.27
5M10273	AC19160-003(	19734	5.01	78301	6.05	43922	7.37	77197	8.73	62057	11.69	45859	13.27
5M10274	AC19160-001	19716	5.01	76935	6.05	45709	7.37	75823	8.73	58941	11.69	43647	13.27

I1 = 1,4-Dichlorobenzenc-d4	I4 = Phenanthrene-d10	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 = Naphthalene-d8	I5 = Chrysene-d12	624/8260 Internal Standard concentration = 30ug/L
I3 = Acenaphthene-d10	I6 = Perylene-d12	524 Internal Standard concentration = 5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Retention Times:

Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

FORM8
Internal Standard Areas
 Evaluation Std Data File: 4M05700.D
 Analysis Date/Time: 08/18/05 12:01
 Lab File ID: CAL BNA@50PPM

0114

Eval File Area/RT:	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
	44051	4.78	152330	5.77	78102	7.33	127639	8.91	110540	12.09	102999	13.93
Eval File Area Limit:	22026-88102		76165-304660		39051-156204		63820-255278		55270-221080		51500-205998	
Eval File Rt Limit:	4.28-5.28		5.27-6.27		6.83-7.83		8.41-9.41		11.59-12.59		13.43-14.43	

Data File Sample#

4M05700	CAL BNA@50	44051	4.78	152330	5.77	78102	7.33	127639	8.91	110540	12.09	102999	13.93
4M05701	CAL BNA@10	60154	4.78	176958	5.77	99980	7.32	176568	8.92	156892	12.10	142090	13.94
4M05702	CAL BNA@25	51446	4.78	169644	5.77	91351	7.33	159089	8.91	144412	12.09	133004	13.93
4M05703	CAL BNA@80	57884	4.78	167449	5.77	98078	7.33	174393	8.92	157102	12.10	147947	13.94
4M05704	CAL BNA@12	36885	4.78	118624	5.77	68081	7.33	116227	8.91	105151	12.10	98331	13.94
4M05705	CAL BNA@16	52627	4.78	155471	5.77	91942	7.33	153540	8.91	124855	12.10	123353	13.94
4M05706	CAL BNA@20	63227	4.78	215282	5.78	122065	7.33	222790	8.92	173021	12.11	171701	13.95
4M05707	SMB2632(MS	50729	4.78	160818	5.77	88231	7.33	153690	8.91	149878	12.09	138450	13.94
4M05708	SMB2633	57730	4.78	172796	5.77	98333	7.33	174388	8.91	172677	12.10	160505	13.94
4M05709	SMB2631	50473	4.78	172989	5.77	90025	7.33	161803	8.91	151495	12.09	136777	13.93
4M05710	SMB2632	50711	4.78	171296	5.77	89589	7.33	161655	8.91	152168	12.09	139469	13.93
4M05711	AC19099-015	63218	4.78	189072	5.77	98360	7.32	191478	8.92	152340	12.10	78115	13.94
4M05712	AC19099-016(	63600	4.79	211826	5.78	109113	7.33	207971	8.93	134051	12.11	71552	13.95
4M05713	AC19099-017(	59078	4.78	178575	5.77	95424	7.33	181977	8.92	106055	12.10	50368	13.94
4M05714	AC19099-003	74643	4.79	245487	5.78	142854	7.32	249322	8.93	138876	12.11	66896	13.95
4M05715	AC19099-004	58465	4.78	203416	5.78	113282	7.32	189345	8.92	91823	12.11	49540	13.95
4M05716	AC19099-005	62837	4.79	199738	5.78	113372	7.32	201430	8.92	111877	12.11	61875	13.95
4M05717	AC19099-007	69889	4.78	217534	5.77	122909	7.33	205265	8.92	94569	12.10	47265	13.95
4M05718	AC19099-008	68944	4.78	224232	5.77	127209	7.33	217488	8.92	125968	12.10	68938	13.95
4M05719	AC19099-010	64877	4.78	216922	5.78	119689	7.32	201807	8.92	77845	12.11	44128	13.95
4M05720	AC19099-011	64961	4.78	215525	5.78	119011	7.32	208249	8.92	83694	12.11	42906	13.95
4M05721	AC19099-012	58238	4.78	184538	5.78	106693	7.32	187501	8.92	83199	12.10	42494	13.95
4M05722	AC19099-013	80959	4.78	247348	5.77	132634	7.33	199470	8.92	67749	12.10	41835	13.95
4M05723	AC19099-018	63787	4.79	213044	5.78	119851	7.32	200201	8.92	85667	12.11	45361	13.95
4M05724	AC19108-001	73342	4.79	246779	5.78	131264	7.32	200645	8.92	77123	12.11	47103	13.95
4M05725	AC19108-014	78370	4.78	237693	5.77	130900	7.33	215334	8.92	97557	12.10	56355	13.95

I1 =	1,4-Dichlorobenzene-d4	I4 =	Phenanthrene-d10	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Naphthalene-d8	I5 =	Chrysene-d12	624/8260 Internal Standard concentration = 30ug/L
I3 =	Acenaphthene-d10	I6 =	Perylene-d12	524 Internal Standard concentration = 5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Retention Times:

Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

FORM8
Internal Standard Areas
Evaluation Std Data File: 4M05727.D
Analysis Date/Time: 08/19/05 06:59
Lab File ID: CAL BNA@50PPM

0415

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	66255	4.78	202097	5.77	119712	7.32	221922	8.92	206974	12.10	186136	13.94
Eval File Area Limit:	33128-132510		101048-404194		59856-239424		110961-443844		103487-413948		93068-372272	
Eval File Rt Limit:	4.28-5.28		5.27-6.27		6.82-7.82		8.42-9.42		11.6-12.6		13.44-14.44	

Data File Sample#

4M05728	AC19099-004(	58223	4.78	207752	5.77	120101	7.32	213750	8.92	125812	12.10	63898	13.94
4M05729	AC19099-005(	48394	4.78	160105	5.77	92307	7.31	166667	8.91	131241	12.10	67817	13.93
4M05730	AC19108-001	59963	4.78	204069	5.77	115712	7.31	213276	8.91	115113	12.09	51329	13.93
4M05731	AC19099-017(	59511	4.78	185432	5.77	99187	7.32	183889	8.92	90237	12.10	44794	13.94
4M05732	AC19099-010	78034	4.78	263220	5.77	136750	7.32	194171	8.92	62835	12.09	35560	13.93
4M05733	AC19099-013	72097	4.78	232432	5.77	123121	7.32	170348	8.92	57327	12.09	33761	13.94
4M05734	AC19124-001(	60845	4.78	193044	5.77	106528	7.32	174953	8.92	82915	12.09	46535	13.94
4M05735	AC19160-007	73581	4.78	213775	5.77	92969	7.32	95584	8.92	42025	12.10	36561	13.95
4M05736	AC19099-001	67068	4.78	209383	5.77	101760	7.32	130416	8.91	50470	12.09	31893	13.94
4M05737	AC19099-002	78703	4.78	262043	5.77	130531	7.32	173924	8.91	63704	12.09	38811	13.94
4M05738	AC19099-010	99109	4.78	294546	5.77	141672	7.33	157955	8.91	54610	12.10	39925	13.94
4M05739	AC19099-006	71722	4.78	233805	5.77	110089	7.32	132575	8.92	49305	12.10	38557	13.94
4M05740	AC19099-014	104228	4.78	311292	5.77	138380	7.32	170202	8.92	61906	12.10	39341	13.94
4M05741	SMB2634(MS	64463	4.77	213893	5.77	113845	7.32	197942	8.92	182682	12.09	166393	13.94
4M05742	SMB2634	60740	4.78	196269	5.77	112040	7.31	195902	8.91	191855	12.09	170851	13.94
4M05743	AC19159-004	64466	4.78	181434	5.77	96203	7.32	187829	8.93	141388	12.11	76447	13.95
4M05744	AC19190-001	62350	4.77	209032	5.77	112679	7.31	202150	8.91	158350	12.09	80583	13.94
4M05745	AC19190-002	66670	4.77	212068	5.76	115923	7.32	200766	8.91	143372	12.09	73292	13.93
4M05746	AC19190-003(	64460	4.77	203141	5.77	107698	7.32	174658	8.91	106771	12.09	64507	13.93
4M05747	AC19190-004(	62097	4.77	204118	5.77	109698	7.31	192691	8.91	111757	12.09	49804	13.94

11 =	1,4-Dichlorobenzene-d4	14 =	Phenanthrene-d10	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
12 =	Naphthalene-d8	15 =	Chrysene-d12	624/8260 Internal Standard concentration = 30ug/L
13 =	Acenaphthene-d10	16 =	Perylene-d12	524 Internal Standard concentration = 5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Retention Times:

Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

FORM8
Internal Standard Areas
Evaluation Std Data File: 5M10277.D
Analysis Date/Time: 08/19/05 06:23
Lab File ID: CAL BNA@50PPM

0416

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	17792	5.00	68371	6.04	40741	7.37	71340	8.72	60707	11.69	44642	13.26
Eval File Area Limit:	8896-35584		34186-136742		20370-81482		35670-142680		30354-121414		22321-89284	
Eval File Rt Limit:	4.5-5.5		5.54-6.54		6.87-7.87		8.22-9.22		11.19-12.19		12.76-13.76	

Data File Sample#

5M10288	AC19141-002	17942	5.00	69997	6.04	42615	7.37	74220	8.72	63320	11.68	47383	13.26
5M10293	AC19035-002	14148	5.00	55408	6.04	33538	7.37	59664	8.72	49346	11.68	37833	13.26
5M10294	WMB2648(MS	13622	5.00	51203	6.04	29429	7.37	50180	8.72	39319	11.69	27746	13.27
5M10295	WMB2648	17077	5.00	70171	6.04	41623	7.37	74766	8.72	61558	11.68	47746	13.26
5M10297	AC19142-003(	15514	5.00	58410	6.04	35296	7.37	61655	8.72	48402	11.69	35214	13.26
5M10298	AC19142-003(	17641	5.00	69222	6.04	41178	7.37	67648	8.72	53359	11.69	39846	13.26
5M10300	AC19099-019	16748	5.00	66069	6.04	40602	7.37	71445	8.72	56018	11.68	42487	13.26

I1 = 1,4-Dichlorobenzene-d4	I4 = Phenanthrene-d10	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 = Naphthalene-d8	I5 = Chrysene-d12	624/8260 Internal Standard concentration = 30ug/L.
I3 = Acenaphthene-d10	I6 = Perylene-d12	524 Internal Standard concentration = 5ug/L.

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Retention Times:

Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

MDL STUDY

8417

Compound:	Instrument ID:>	GCMS_4	GCMS_5			
	Effective Date:>	4/6/2005	3/23/2005			
	All Units:PPB	MDL	MDL	MDL	MDL	MDL
1,2,4-Trichlorobenzene		0.27068	0.17463			
1,2-Dichlorobenzene		0.45670	0.40227			
1,2-Diphenylhydrazine		0.28892	0.32832			
1,3-Dichlorobenzene		0.41978	0.28375			
1,4-Dichlorobenzene		0.50827	0.17543			
2,4,5-Trichlorophenol		13.48778	1.55158			
2,4,6-Trichlorophenol		24.22832	0.75237			
2,4-Dichlorophenol		1.61728	1.33235			
2,4-Dimethylphenol		1.38162	0.84628			
2,4-Dinitrophenol		6.79626	1.83798			
2,4-Dinitrotoluene		0.37194	0.35723			
2,6-Dinitrotoluene		0.41264	0.45051			
2-Chloronaphthalene		0.27626	0.11350			
2-Chlorophenol		2.04081	1.83730			
2-Methylnaphthalene		1.28859	1.70924			
2-Methylphenol		4.76111	3.72932			
2-Nitroaniline		0.70265	1.29538			
2-Nitrophenol		1.16400	1.23191			
3&4-Methylphenol		5.29712	3.70710			
3,3'-Dichlorobenzidine		2.19132	1.75381			
3-Nitroaniline		4.14156	2.51943			
4,6-Dinitro-2-methylphenol		1.89986	1.90303			
4-Bromophenyl-phenylether		0.38350	0.40827			
4-Chloro-3-methylphenol		2.54354	2.00536			
4-Chloroaniline		7.71643	6.78747			
4-Chlorophenyl-phenylether		0.46255	0.28190			
4-Nitroaniline		2.46624	1.49110			
4-Nitrophenol		1.77424	1.41362			
Acenaphthene		0.41753	0.16496			
Acenaphthylene		0.23123	0.15117			
Anthracene		0.26184	0.19772			
Benzidine		2.26576	10.33404			
Benzo[a]anthracene		0.17463	0.13947			
Benzo[a]pyrene		0.23037	0.16622			
Benzo[b]fluoranthene		0.29921	0.27777			
Benzo[g,h,i]perylene		0.19015	0.14367			
Benzo[k]fluoranthene		0.32572	0.35026			
Bis(2-Chloroethoxy)methane		0.22803	0.23323			
Bis(2-Chloroethyl)Ether		0.52829	0.44437			
Bis(2-Chloroisopropyl)ether		0.32507	0.20721			
Bis(2-Ethylhexyl)phthalate		0.90300	0.63472			
Butylbenzylphthalate		0.40102	0.27090			
Carbazole		0.29620	0.19198			
Chrysene		0.20687	0.28428			
Di-n-butylphthalate		0.22375	0.20243			
Di-n-octylphthalate		0.23616	0.33959			
Dibenzo[a,h]Anthracene		0.34866	0.18303			
Dibenzofuran		1.26920	1.29319			
Diethylphthalate		0.27453	0.23532			
Dimethylphthalate		0.22624	0.17241			
Fluoranthene		0.28734	0.16474			
Fluorene		0.25288	0.23925			
Hexachlorobenzene		0.46339	0.40538			
Hexachlorobutadiene		0.42434	0.24578			
Hexachlorocyclopentadiene		2.65832	2.69360			
Hexachloroethane		0.74400	0.34755			
Indeno[1,2,3-cd]pyrene		0.13771	0.16955			
Isophorone		0.30857	5.33255			
N-Nitroso-Di-N-Propylamine		0.48296	0.31849			
N-Nitrosodimethylamine		11.80595	11.10428			
N-Nitrosodiphenylamine		0.47696	0.27325			
Naphthalene		0.23517	0.09725			
Nitrobenzene		0.39734	0.28094			
Pentachlorophenol		1.23489	0.96604			
Phenanthrene		0.23032	0.22245			
Phenol		1.52445	1.65282			
Pyrene		0.23258	0.22895			

GC/MS Semi-Volatile Data
Sample Data

Form1

ORGANICS SEMIVOLATILE REPORT

0119

Sample Number: AC19099-001
 Client Id: PCSB - 56 (0.5)
 Data File: 4M05736.D
 Analysis Date: 08/19/05 10:58
 Date Rec/Extracted: 08/16/05-08/17/05

Matrix: Soil
 Initial Vol: 30g
 Final Vol: 1ml
 Dilution: 1
 Solids: 89

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.010	U	205-99-2	Benzo[b]fluoranthene	0.011	0.75
95-50-1	1,2-Dichlorobenzene	0.017	U	191-24-2	Benzo[g,h,i]perylene	0.0071	0.37
122-66-7	1,2-Diphenylhydrazine	0.011	U	207-08-9	Benzo[k]fluoranthene	0.012	0.27
541-73-1	1,3-Dichlorobenzene	0.016	U	111-91-1	bis(2-Chloroethoxy)methan	0.0085	U
106-46-7	1,4-Dichlorobenzene	0.019	U	111-44-4	bis(2-Chloroethyl)ether	0.020	U
95-95-4	2,4,5-Trichlorophenol	0.51	U	108-60-1	bis(2-chloroisopropyl)ether	0.012	U
88-06-2	2,4,6-Trichlorophenol	0.91	U	117-81-7	bis(2-Ethylhexyl)phthalat	0.034	0.59
120-83-2	2,4-Dichlorophenol	0.061	U	85-68-7	Butylbenzylphthalate	0.015	0.34
105-67-9	2,4-Dimethylphenol	0.052	U	86-74-8	Carbazole	0.011	0.037
51-28-5	2,4-Dinitrophenol	0.25	U	218-01-9	Chrysene	0.0077	0.57
121-14-2	2,4-Dinitrotoluene	0.014	U	84-74-2	Di-n-butylphthalate	0.0084	0.074 B
606-20-2	2,6-Dinitrotoluene	0.015	U	117-84-0	Di-n-octylphthalate	0.0088	U
91-58-7	2-Chloronaphthalene	0.010	U	53-70-3	Dibenzo[a,h]anthracene	0.013	0.099
95-57-8	2-Chlorophenol	0.076	U	132-64-9	Dibenzofuran	0.048	0.053
91-57-6	2-Methylnaphthalene	0.048	0.11	84-66-2	Diethylphthalate	0.010	0.043
95-48-7	2-Methylphenol	0.18	U	131-11-3	Dimethylphthalate	0.0085	U
88-74-4	2-Nitroaniline	0.026	U	206-44-0	Fluoranthene	0.011	0.50
88-75-5	2-Nitrophenol	0.044	U	86-73-7	Fluorene	0.0095	0.038
106-44-5	3&4-Methylphenol	0.20	U	118-74-1	Hexachlorobenzene	0.017	U
91-94-1	3,3'-Dichlorobenzidine	0.082	U	87-68-3	Hexachlorobutadiene	0.016	U
99-09-2	3-Nitroaniline	0.16	U	77-47-4	Hexachlorocyclopentadiene	0.10	U
534-52-1	4,6-Dinitro-2-methylphenol	0.071	U	67-72-1	Hexachloroethane	0.028	U
101-55-3	4-Bromophenyl-phenylether	0.014	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.0052	0.33
59-50-7	4-Chloro-3-methylphenol	0.095	U	78-59-1	Isophorone	0.012	U
106-47-8	4-Chloroaniline	0.29	U	621-64-7	N-Nitroso-di-n-propylamine	0.018	U
7005-72-3	4-Chlorophenyl-phenylether	0.017	U	62-75-9	N-Nitrosodimethylamine	0.44	U
100-01-6	4-Nitroaniline	0.092	U	86-30-6	n-Nitrosodiphenylamine	0.018	U
100-02-7	4-Nitrophenol	0.066	U	91-20-3	Naphthalene	0.0088	0.13
83-32-9	Acenaphthene	0.016	U	98-95-3	Nitrobenzene	0.015	U
208-96-8	Acenaphthylene	0.0087	0.039	87-86-5	Pentachlorophenol	0.046	U
120-12-7	Anthracene	0.0098	0.11	85-01-8	Phenanthrene	0.0086	0.43
92-87-5	Benzidine	0.085	U	108-95-2	Phenol	0.057	U
56-55-3	Benzo[a]anthracene	0.0065	0.43	129-00-0	Pyrene	0.0087	0.86
50-32-8	Benzo[a]pyrene	0.0086	0.43				

Worksheet #: 18797

Total Target Concentration 6.603

U - Indicates the compound was analyzed but not detected.
 B - Indicates the analyte was found in the blank as well as in the sample.
 E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
 J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B438

Data File : G:\GcMsData\2005\Gcms_4\Data\08-19-05\4M05736.D Vial: 1
 Acq On : 19 Aug 2005 10:58 Operator: AHD
 Sample : AC19099-001 Inst : GCMS_4
 Misc : S,BNA Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:14 2005 Quant Results File: 4M_0818.RES

Quant Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration
 DataAcq Meth : 4M_0818

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	4.78	152	67068	40.00	ng	0.00
19) Naphthalene-d8	5.77	136	209383	40.00	ng	0.00
35) Acenaphthene-d10	7.32	164	101760	40.00	ng	0.00
59) Phenanthrene-d10	8.91	188	130416	40.00	ng	0.00
72) Chrysene-d12	12.09	240	50470	40.00	ng	0.00
81) Perylene-d12	13.94	264	31893	40.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	3.62	112	259176	139.73	ng	0.00
Spiked Amount	200.000		Recovery	=	69.86%	
7) Phenol-d5	4.50	99	332775	142.03	ng	0.00
Spiked Amount	200.000		Recovery	=	71.02%	
20) Nitrobenzene-d5	5.22	128	61007	63.03	ng	0.00
Spiked Amount	100.000		Recovery	=	63.03%	
40) 2-Fluorobiphenyl	6.68	172	254765	79.26	ng	0.00
Spiked Amount	100.000		Recovery	=	79.26%	
62) 2,4,6-Tribromophenol	8.15	332	95781	181.40	ng	0.00
Spiked Amount	200.000		Recovery	=	90.70%	
75) Terphenyl-d14	10.81	244	155437	131.14	ng	0.00
Spiked Amount	100.000		Recovery	=	131.14%	

Target Compounds

						Qvalue
29) Naphthalene	5.79	128	16994	3.43	ng	97
33) 2-Methylnaphthalene	6.36	142	9572	2.85	ng	88
46) Acenaphthylene	7.18	152	4651	1.03	ng	91
52) Dibenzofuran	7.53	168	5704	1.42	ng	97
55) Fluorene	7.89	166	3064	1.01	ng	77
57) Diethylphthalate	7.78	149	4221	1.16	ng	85
67) Phenanthrene	8.94	178	38674	11.39	ng	98
68) Anthracene	9.00	178	9710	2.84	ng	91
69) Carbazole	9.20	167	3307	1.00	ng	76
70) Di-n-butylphthalate	9.64	149	9064	1.98	ng	97
71) Fluoranthene	10.32	202	49543	13.46	ng	92
73) Pyrene	10.59	202	39836	23.03	ng	97
76) Butylbenzylphthalate	11.44	149	8314	9.03	ng	75
78) Benzo[a]anthracene	12.08	228	18128	11.47	ng	91
79) Chrysene	12.13	228	23064	15.34	ng	97
80) bis(2-Ethylhexyl)phthalate	12.22	149	20291	15.62	ng	94
83) Benzo[b]fluoranthene	13.47	252	23310m	19.90	ng	
84) Benzo[k]fluoranthene	13.50	252	7424m	7.12	ng	
85) Benzo[a]pyrene	13.87	252	12228	11.57	ng	95

(#) = qualifier out of range (m) = manual integration

1809

0421
1370

Data File : G:\GcMsData\2005\Gcms_4\Data\08-19-05\4M05736.D Vial: 1
 Acq On : 19 Aug 2005 10:58 Operator: AHD
 Sample : AC19099-001 Inst : GCMS_4
 Misc : S,BNA Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:14 2005 Quant Results File: 4M_0818.RES

Quant Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration
 DataAcq Meth : 4M_0818

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
86) Indeno[1,2,3-cd]pyrene	15.18	276	11147	8.79	ng	75
87) Dibenzo[a,h]anthracene	15.20	278	2626	2.65	ng	66
88) Benzo[g,h,i]perylene	15.46	276	10425	9.98	ng	98

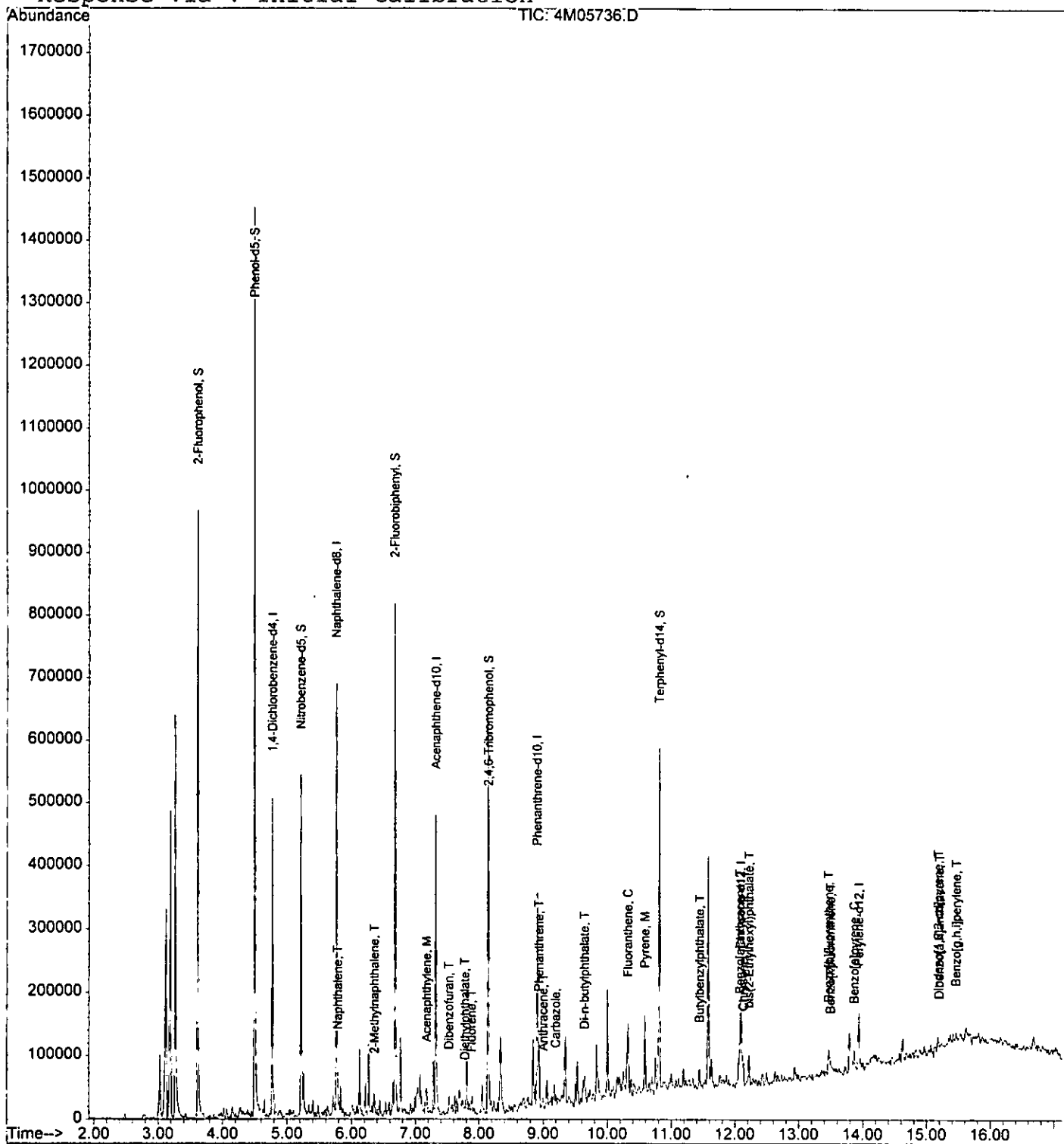
Quantitation Report

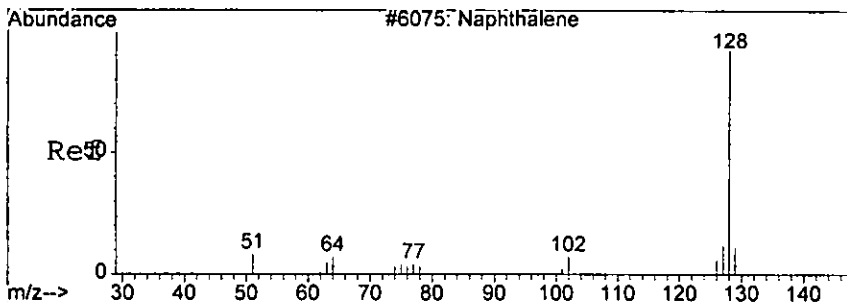
Data File : G:\GcMsData\2005\Gcms_4\Data\08-19-05\4M05736.D Vial: 1
Acq On : 19 Aug 2005 10:58 Operator: AHD
Sample : AC19099-001 Inst : GCMS_4
Misc : S,BNA Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 29 16:14 2005

0.032
2.870

Quant Results File: 4M_0818.RES

Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
Title : @GCMS_4,mg,625,8270
Last Update : Thu Aug 18 14:49:57 2005
Response via : Initial Calibration

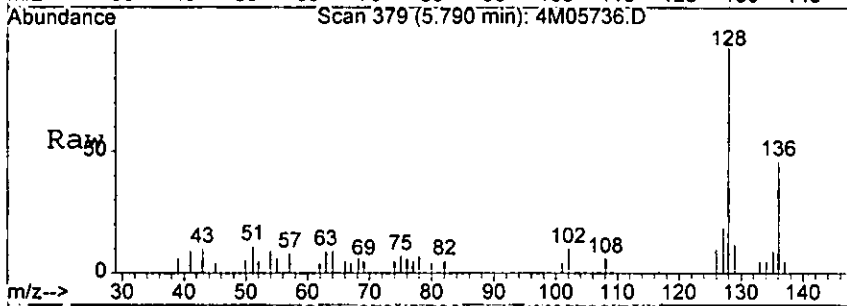




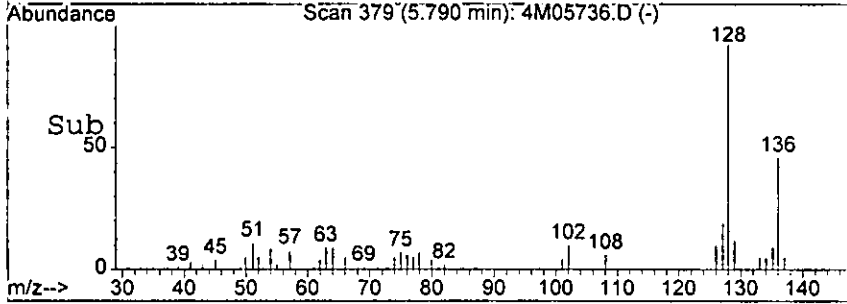
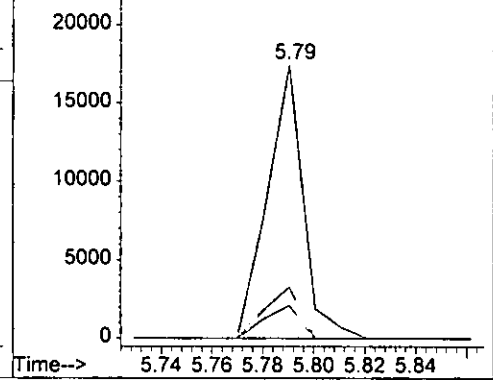
#29
 Naphthalene
 Concen: 3.43 ng
 RT: 5.79 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: 4M05736.D
 Acq: 19 Aug 2005 10:58

0.23

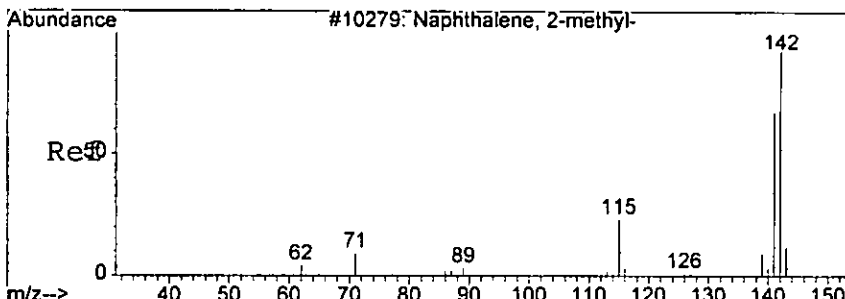
Tgt Ion	Resp	Lower	Upper
128	16994		
129	12.1	0.0	51.8
127	18.8	0.0	57.0



Abundance Ion 128.00 (127.70 to 128.70): 4M0573
 Ion 129.00 (128.70 to 129.70): 4M0573
 Ion 127.00 (126.70 to 127.70): 4M0573



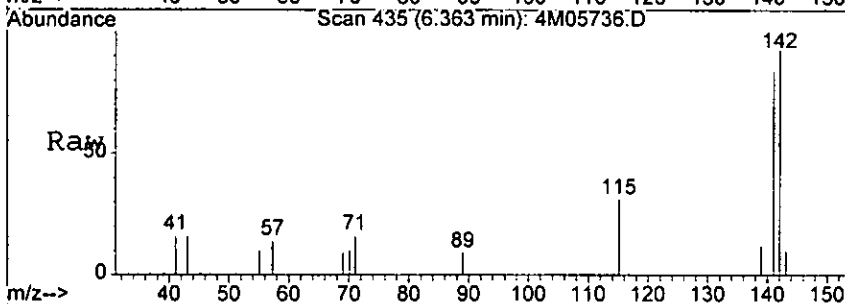
Handwritten signature



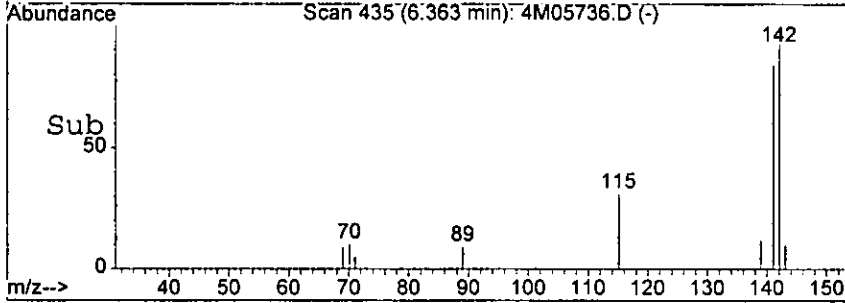
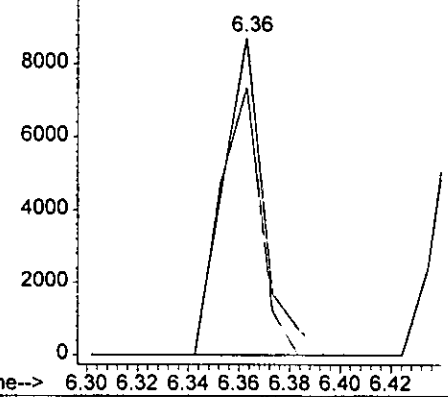
#33
 2-Methylnaphthalene
 Concen: 2.85 ng
 RT: 6.36 min Scan# 435
 Delta R.T. -0.00 min
 Lab File: 4M05736.D
 Acq: 19 Aug 2005 10:58

04270

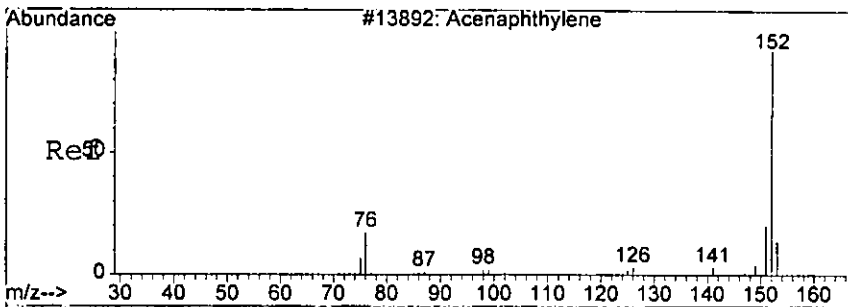
Tgt Ion:142 Resp: 9572
 Ion Ratio Lower Upper
 142 100
 141 84.2 55.7 135.7



Abundance Ion 142.00 (141.70 to 142.70): 4M0573
 10000 Ion 141.00 (140.70 to 141.70): 4M0573

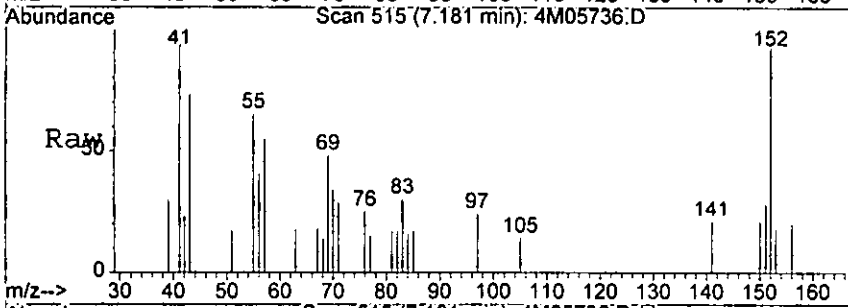


Kenar



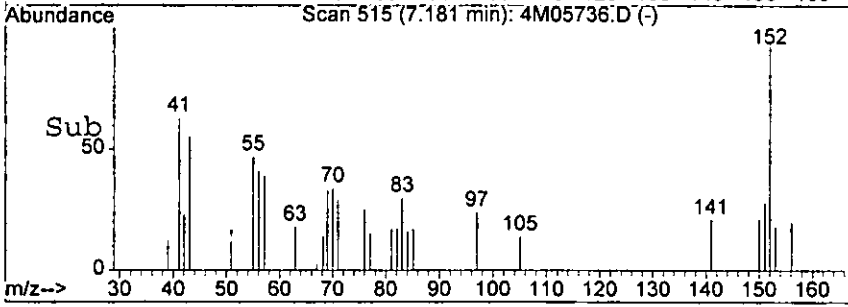
#46
 Acenaphthylene
 Concen: 1.03 ng
 RT: 7.18 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: 4M05736.D
 Acq: 19 Aug 2005 10:58

0425

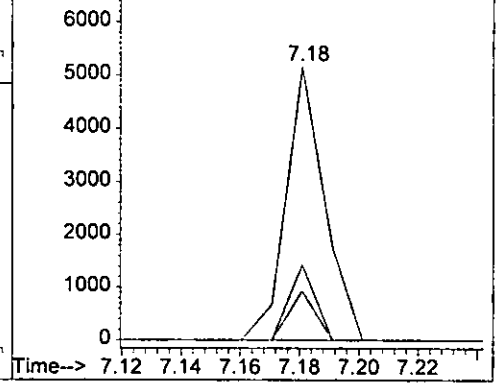


Tgt Ion: 152 Resp: 4651

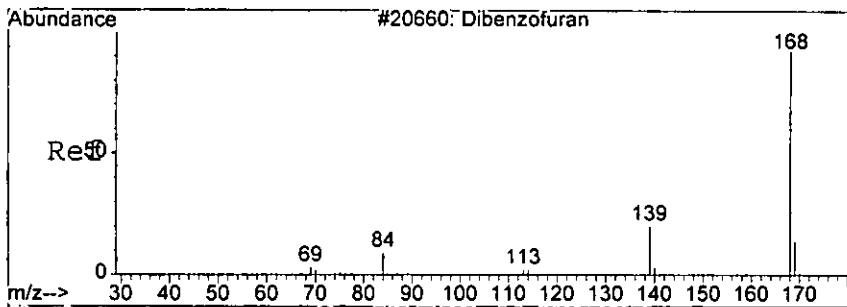
Ion	Ratio	Lower	Upper
152	100		
151	27.7	0.0	63.6
153	18.1	0.0	53.8



Abundance Ion 152.00 (151.70 to 152.70): 4M0573
 7000 Ion 151.00 (150.70 to 151.70): 4M0573
 Ion 153.00 (152.70 to 153.70): 4M0573



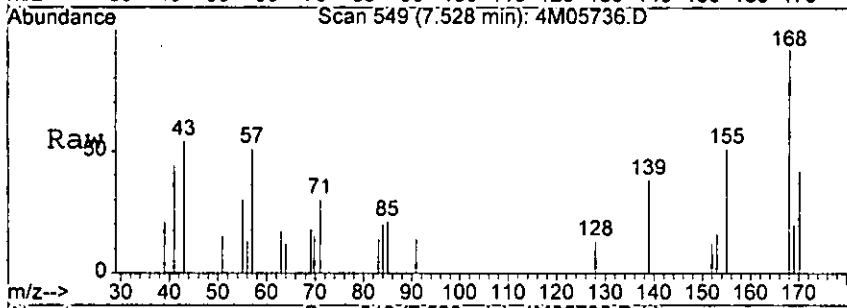
hpr



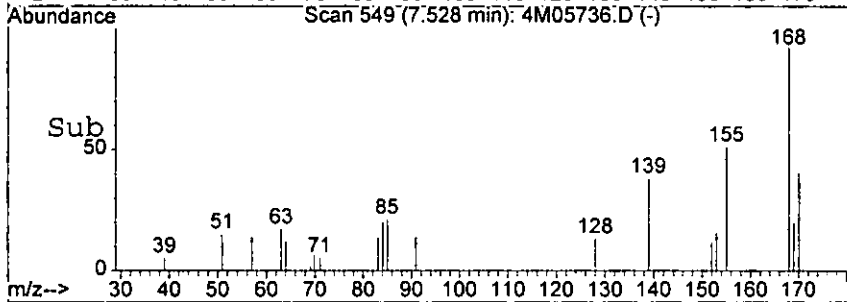
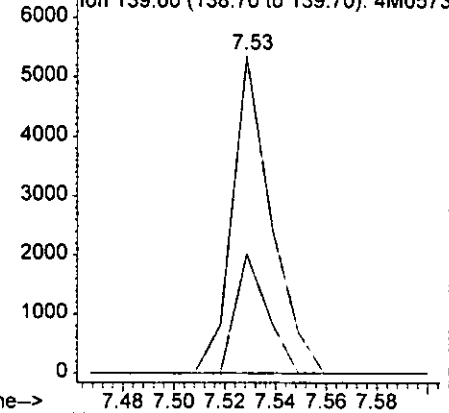
#52
 Dibenzofuran
 Concen: 1.42 ng
 RT: 7.53 min Scan# 549
 Delta R.T. -0.00 min
 Lab File: 4M05736.D
 Acq: 19 Aug 2005 10:58

0425

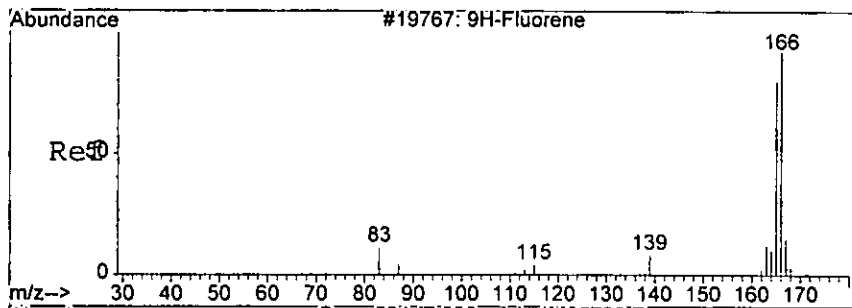
Tgt Ion:168 Resp: 5704
 Ion Ratio Lower Upper
 168 100
 139 37.7 6.0 66.0



Abundance Ion 168.00 (167.70 to 168.70): 4M0573
 Ion 139.00 (138.70 to 139.70): 4M0573



18105

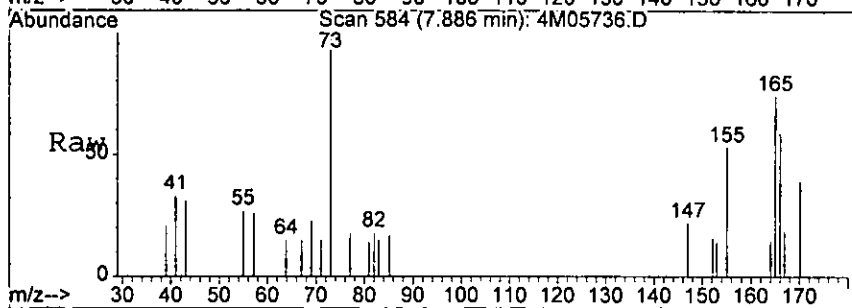


#55
 Fluorene
 Concen: 1.01 ng
 RT: 7.89 min Scan# 584
 Delta R.T. -0.00 min
 Lab File: 4M05736.D
 Acq: 19 Aug 2005 10:58

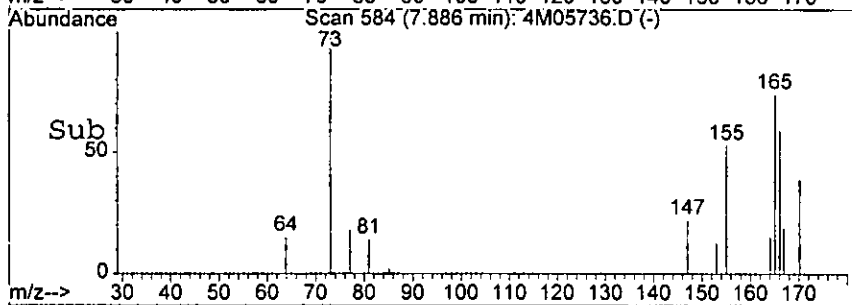
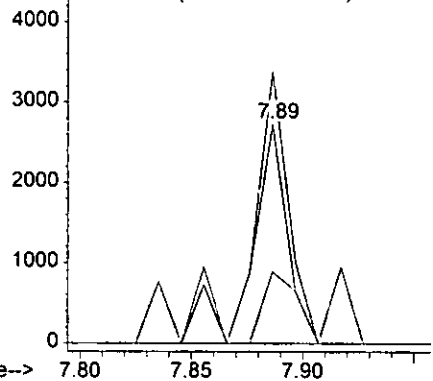
0427

Tgt Ion:166 Resp: 3064

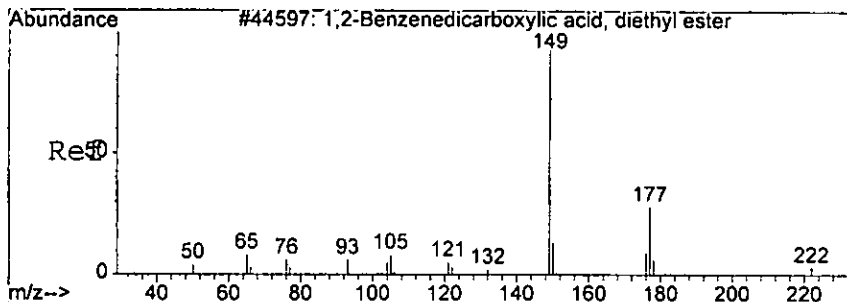
Ion	Ratio	Lower	Upper
166	100		
165	124.3	63.3	143.3
167	32.6	0.0	54.6



Abundance Ion 166.00 (165.70 to 166.70): 4M0573
 Ion 165.00 (164.70 to 165.70): 4M0573
 Ion 167.00 (166.70 to 167.70): 4M0573



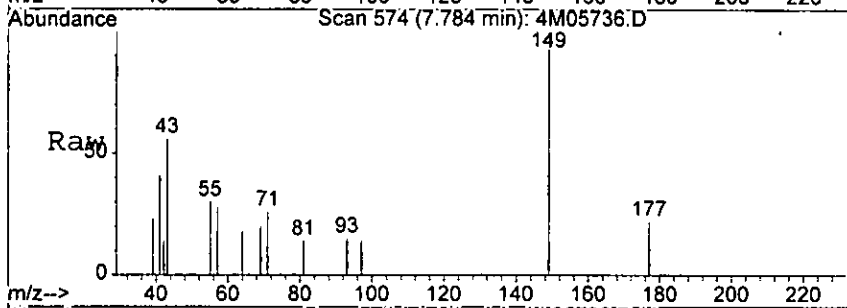
Handwritten signature



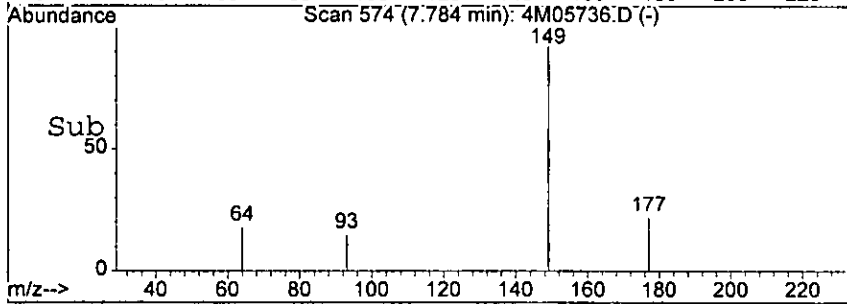
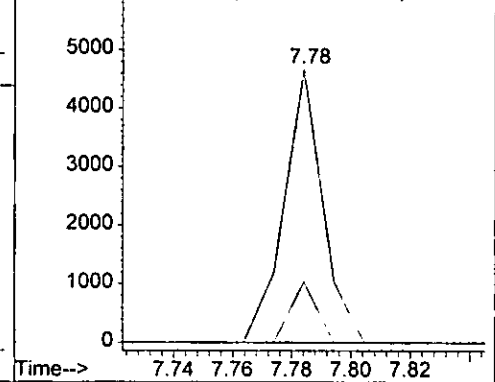
#57
 Diethylphthalate
 Concen: 1.16 ng
 RT: 7.78 min Scan# 574
 Delta R.T. -0.00 min
 Lab File: 4M05736.D
 Acq: 19 Aug 2005 10:58

0428

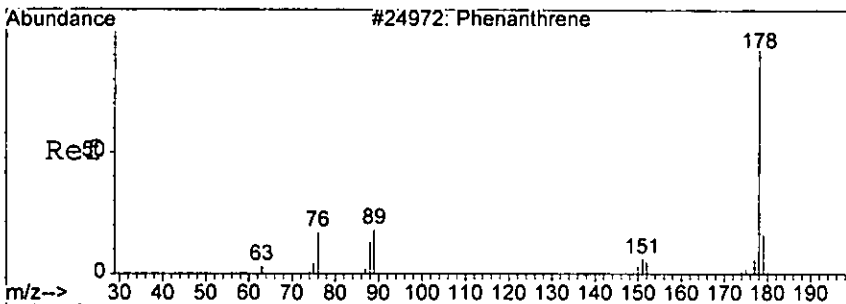
Tgt Ion	Resp	Lower	Upper
149	4221		
177	22.3	0.0	59.8
150	0.0	0.0	52.2



Abundance Ion 149.00 (148.70 to 149.70): 4M0573
 Ion 177.00 (176.70 to 177.70): 4M0573
 Ion 150.00 (149.70 to 150.70): 4M0573

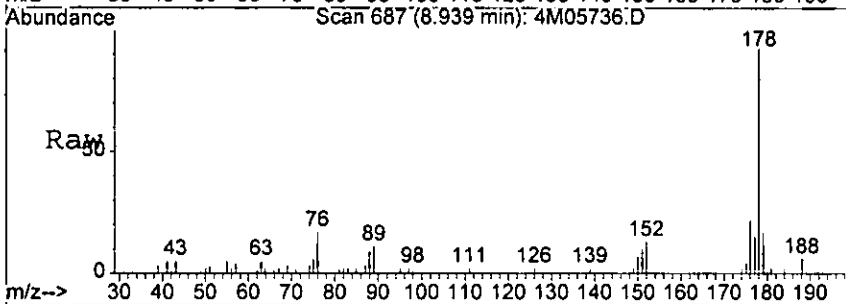


h87ar



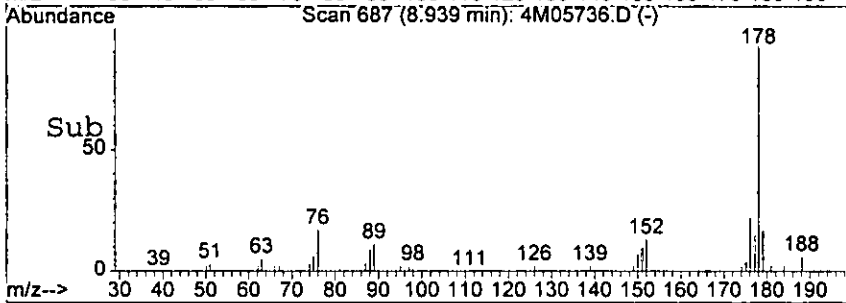
#67
 Phenanthrene
 Concen: 11.39 ng
 RT: 8.94 min Scan# 687
 Delta R.T. -0.00 min
 Lab File: 4M05736.D
 Acq: 19 Aug 2005 10:58

B429

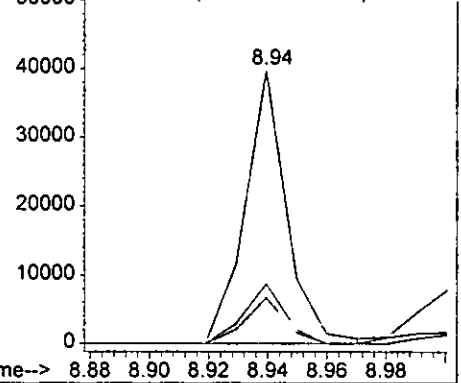


Tgt Ion: 178 Resp: 38674

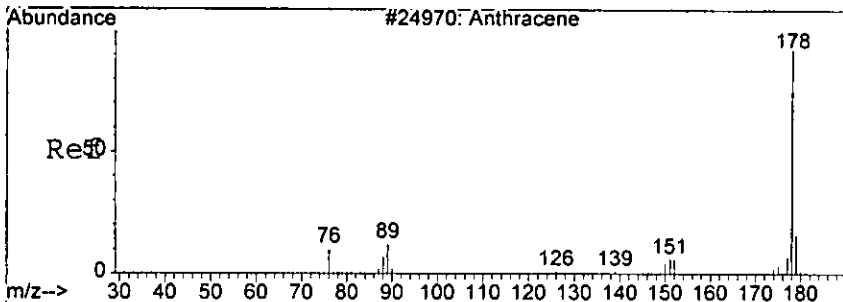
Ion	Ratio	Lower	Upper
178	100		
179	16.8	0.0	56.6
176	21.9	0.0	60.5



Abundance Ion 178.00 (177.70 to 178.70): 4M0573
 Ion 179.00 (178.70 to 179.70): 4M0573
 Ion 176.00 (175.70 to 176.70): 4M0573



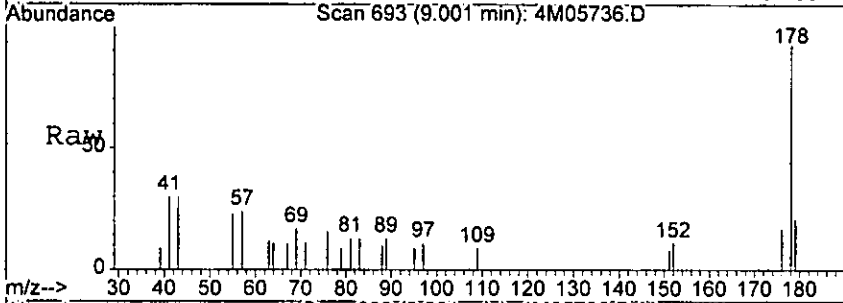
Handwritten signature



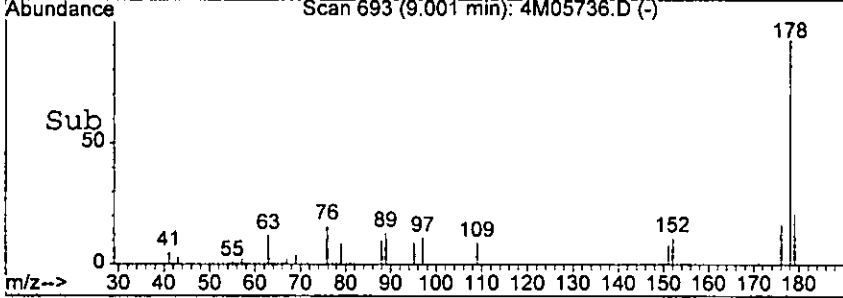
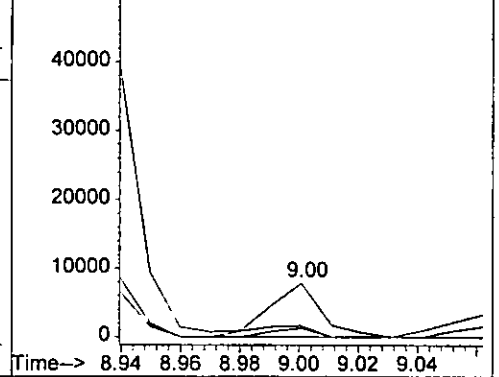
#68
 Anthracene
 Concen: 2.84 ng
 RT: 9.00 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: 4M05736.D
 Acq: 19 Aug 2005 10:58

0430

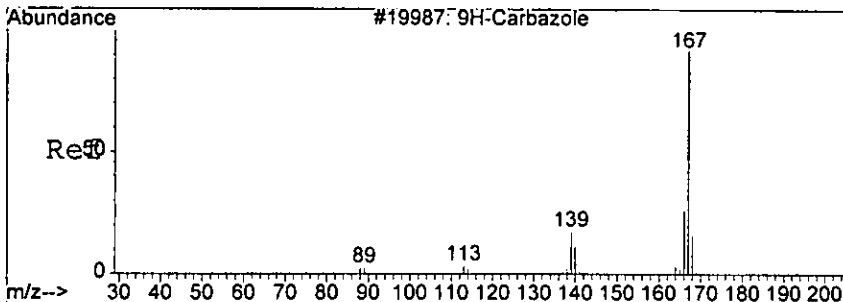
Tgt Ion	Resp	Lower	Upper
178	100		
179	21.4	0.0	56.6
176	16.5	0.0	60.2



Abundance Ion 178.00 (177.70 to 178.70): 4M0573
 Ion 179.00 (178.70 to 179.70): 4M0573
 Ion 176.00 (175.70 to 176.70): 4M0573

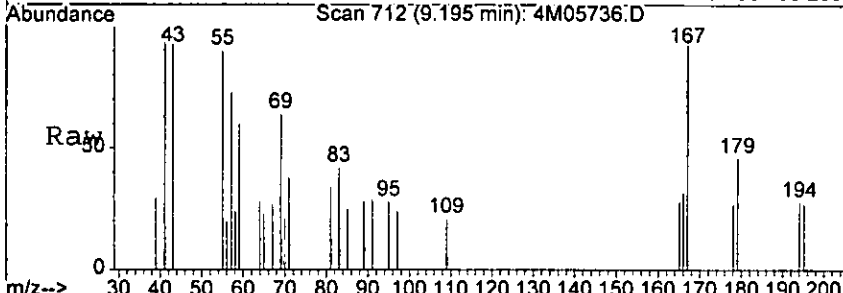


Notar



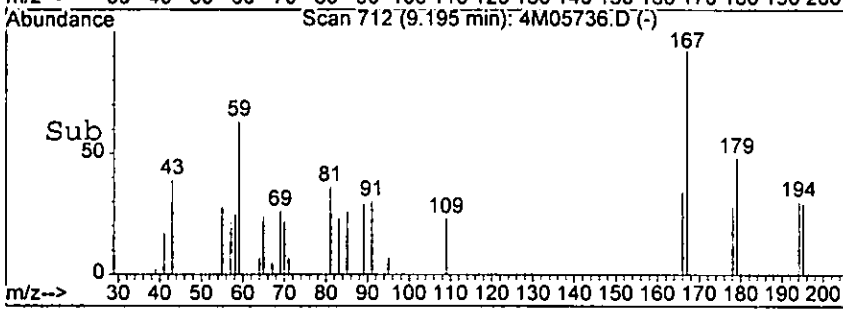
#69
 Carbazole
 Concen: 1.00 ng
 RT: 9.20 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: 4M05736.D
 Acq: 19 Aug 2005 10:58

0431

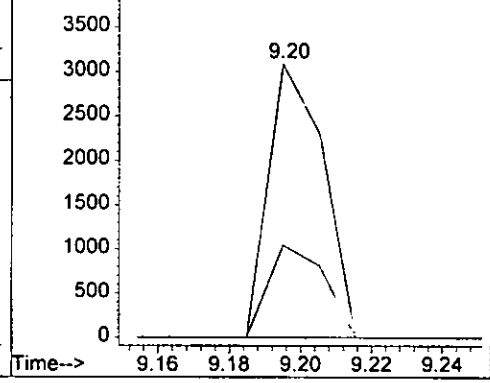


Tgt Ion: 167 Resp: 3307

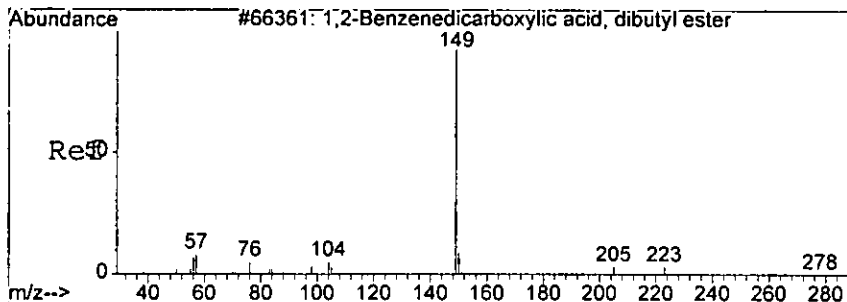
Ion	Ratio	Lower	Upper
167	100		
166	33.8	4.9	44.9
139	0.0	0.0	33.9



Abundance Ion 167.10 (166.80 to 167.80): 4M0573
 Ion 166.20 (165.90 to 166.90): 4M0573
 Ion 139.05 (138.75 to 139.75): 4M0573



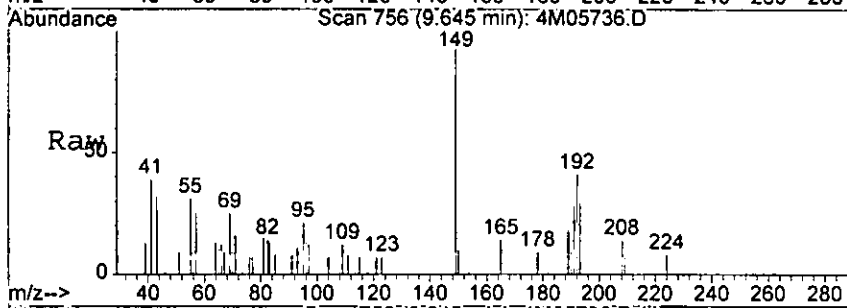
low



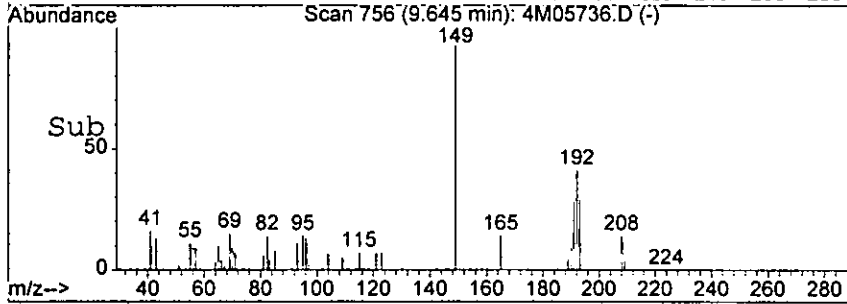
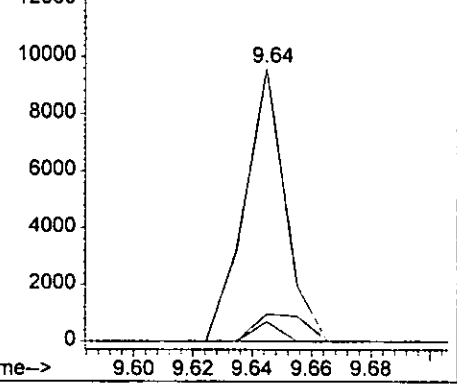
#70
 Di-n-butylphthalate
 Concen: 1.98 ng
 RT: 9.64 min Scan# 756
 Delta R.T. -0.00 min
 Lab File: 4M05736.D
 Acq: 19 Aug 2005 10:58

0432

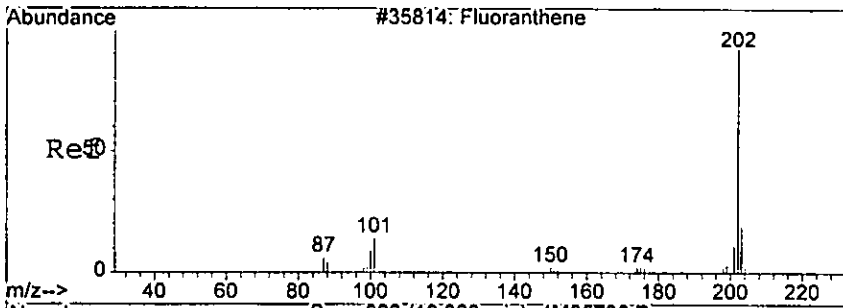
Tgt Ion	Resp	Lower	Upper
149	100		
150	10.0	0.0	49.8
104	7.2	0.0	44.6



Abundance Ion 149.00 (148.70 to 149.70): 4M0573
 Ion 150.00 (149.70 to 150.70): 4M0573
 Ion 104.00 (103.70 to 104.70): 4M0573



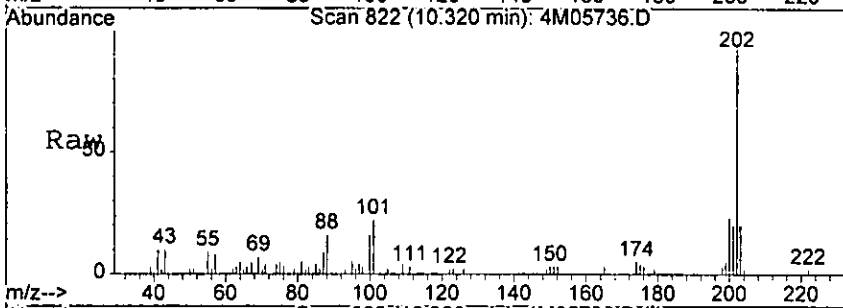
h82ar



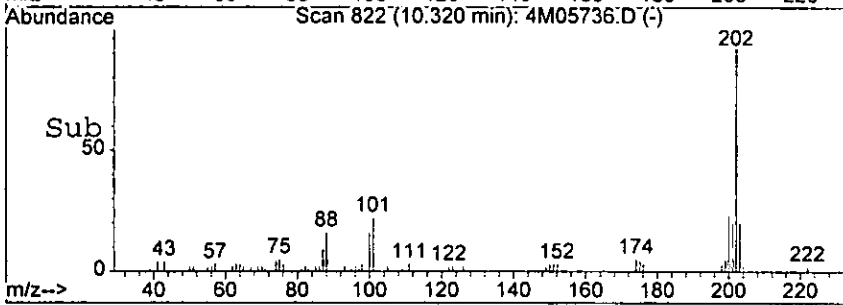
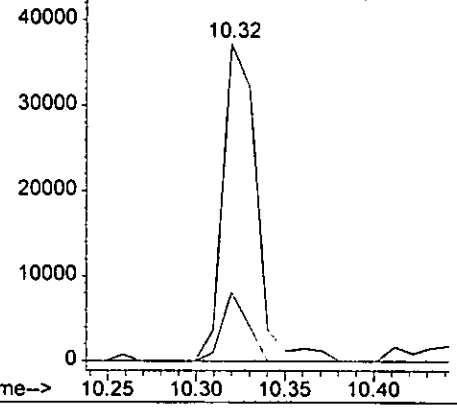
#71
 Fluoranthene
 Concen: 13.46 ng
 RT: 10.32 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: 4M05736.D
 Acq: 19 Aug 2005 10:58

0433

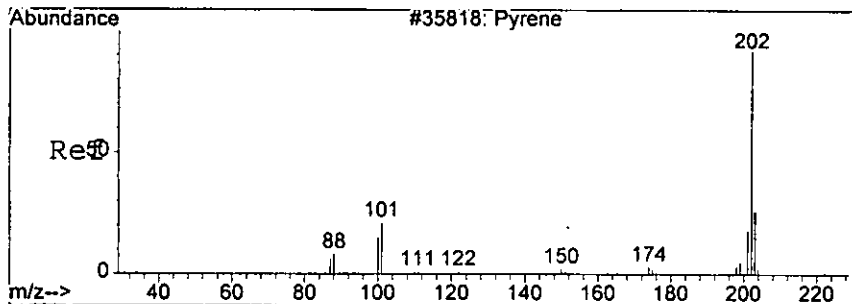
Tgt Ion: 202 Resp: 49543
 Ion Ratio Lower Upper
 202 100
 101 21.8 0.0 58.3



Abundance Ion 202.00 (201.70 to 202.70): 4M0573
 Ion 101.00 (100.70 to 101.70): 4M0573



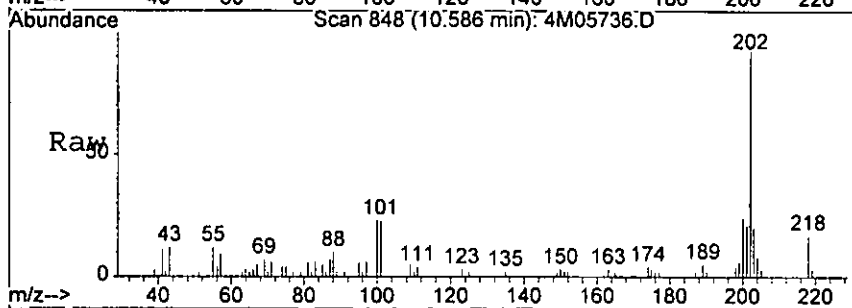
Handwritten signature



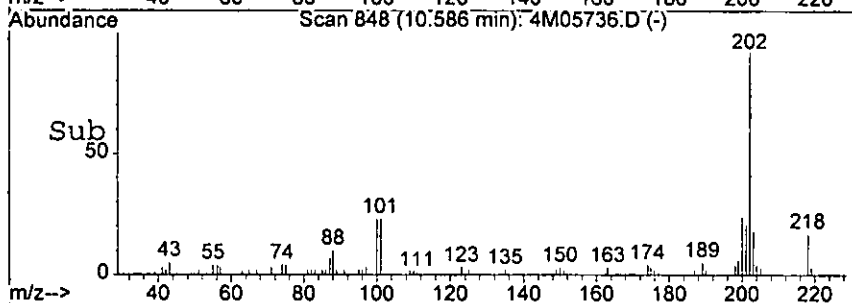
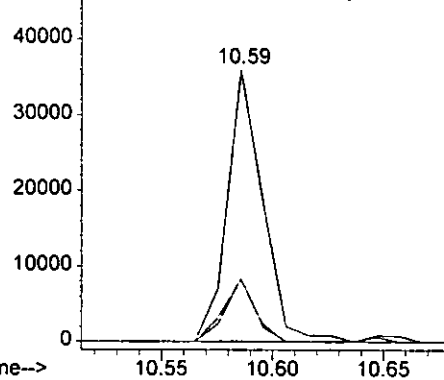
#73
 Pyrene
 Concen: 23.03 ng
 RT: 10.59 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: 4M05736.D
 Acq: 19 Aug 2005 10:58

0434

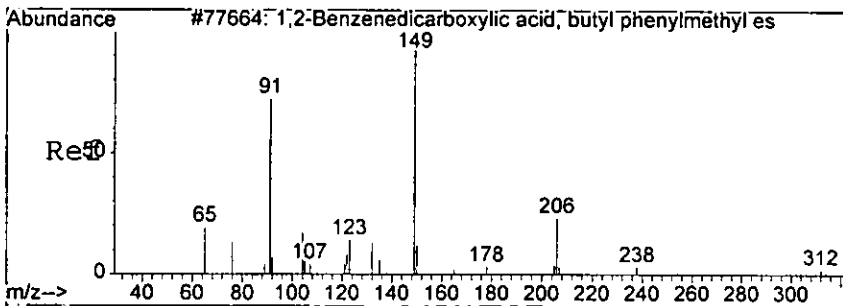
Tgt Ion	Resp	Lower	Upper
202	39836	100	100
101	22.9	0.0	62.7
100	23.2	0.0	60.5



Abundance Ion 202.00 (201.70 to 202.70): 4M0573
 Ion 101.00 (100.70 to 101.70): 4M0573
 Ion 100.00 (99.70 to 100.70): 4M05736



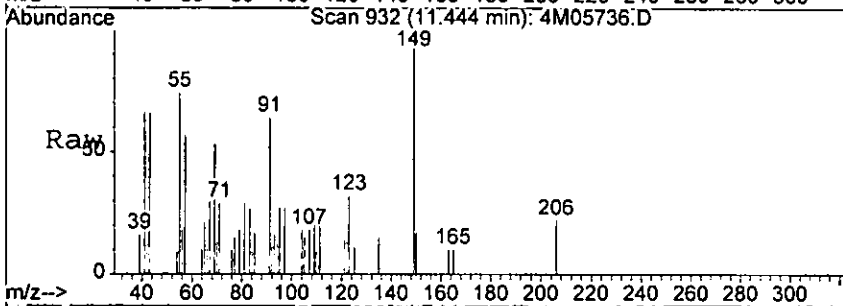
hour



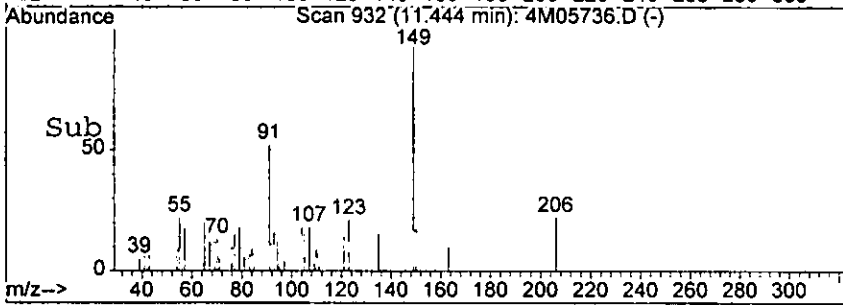
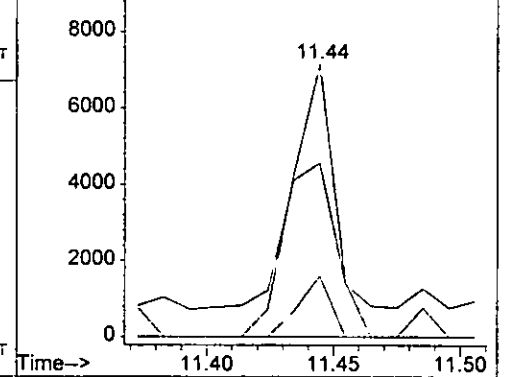
#76
 Butylbenzylphthalate
 Concen: 9.03 ng
 RT: 11.44 min Scan# 932
 Delta R.T. -0.00 min
 Lab File: 4M05736.D
 Acq: 19 Aug 2005 10:58

0435

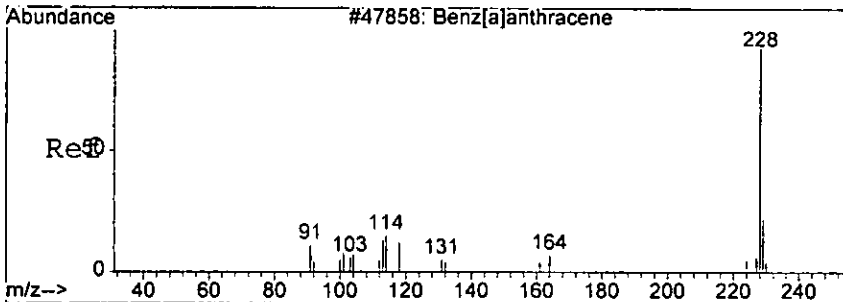
Tgt Ion: 149	Resp: 8314
Ion Ratio Lower Upper	
149 100	
91 53.1 35.6 115.6	
206 22.4 0.0 54.4	



Abundance Ion 149.00 (148.70 to 149.70): 4M0573
 Ion 91.00 (90.70 to 91.70): 4M05736.D
 Ion 206.00 (205.70 to 206.70): 4M0573



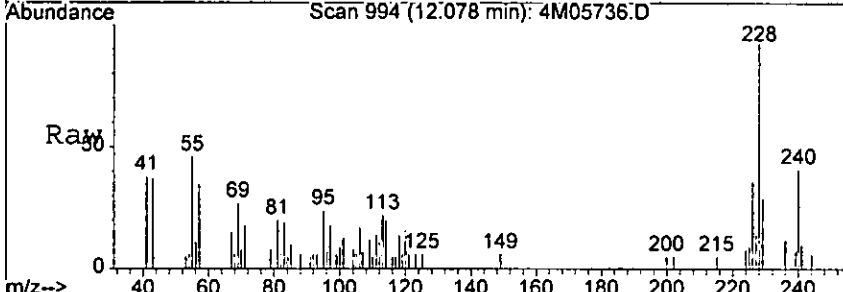
Handwritten signature



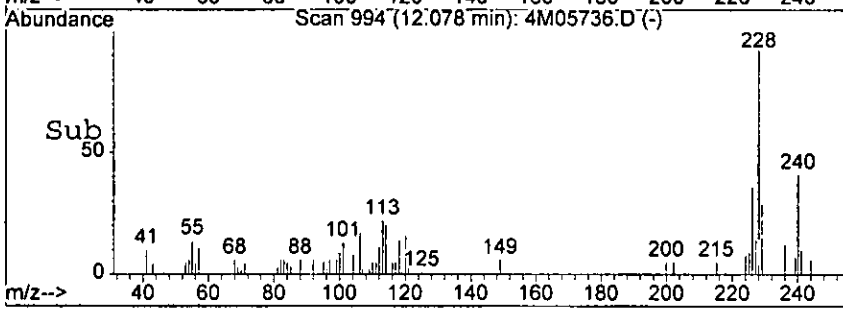
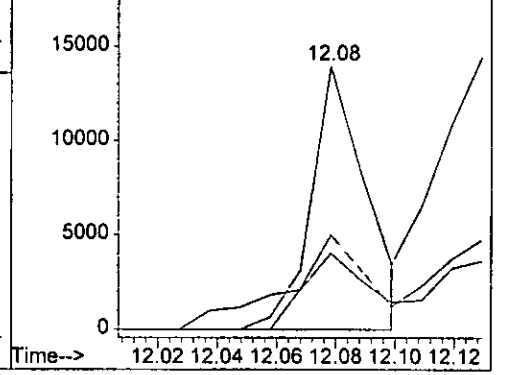
#78
 Benzo[a]anthracene
 Concen: 11.47 ng
 RT: 12.08 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: 4M05736.D
 Acq: 19 Aug 2005 10:58

0435

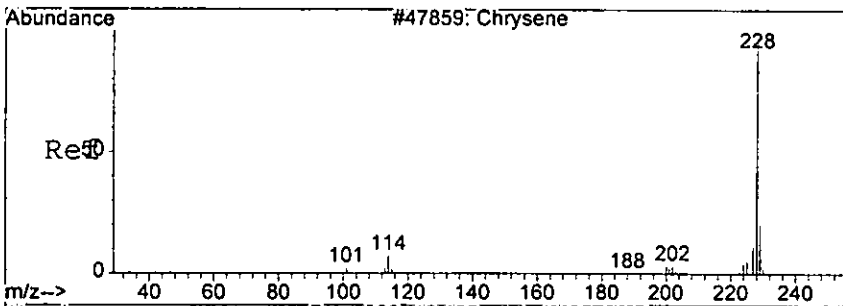
Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.8	0.0	60.5
226	35.8	0.0	69.0



Abundance
 Ion 228.00 (227.70 to 228.70): 4M0573
 Ion 229.00 (228.70 to 229.70): 4M0573
 Ion 226.00 (225.70 to 226.70): 4M0573

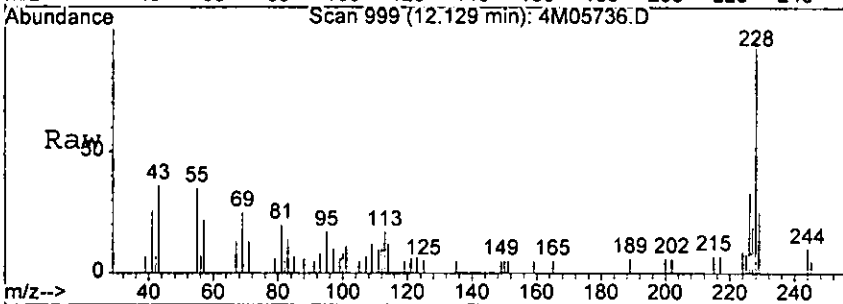


Handwritten signature

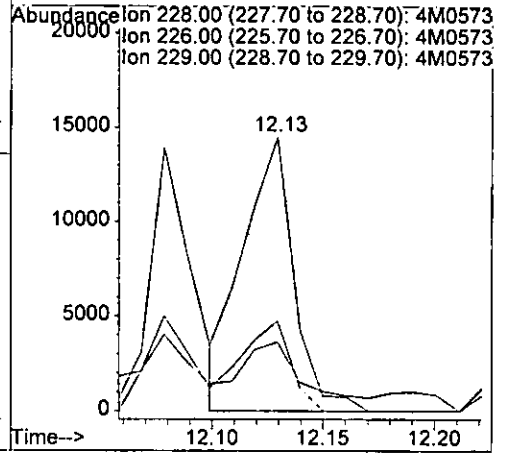
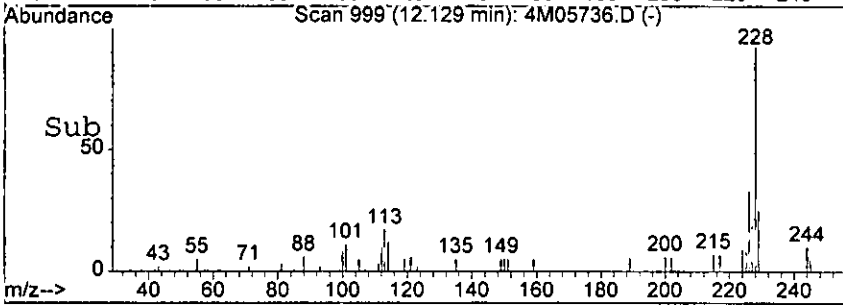


#79
 Chrysene
 Concen: 15.34 ng
 RT: 12.13 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: 4M05736.D
 Acq: 19 Aug 2005 10:58

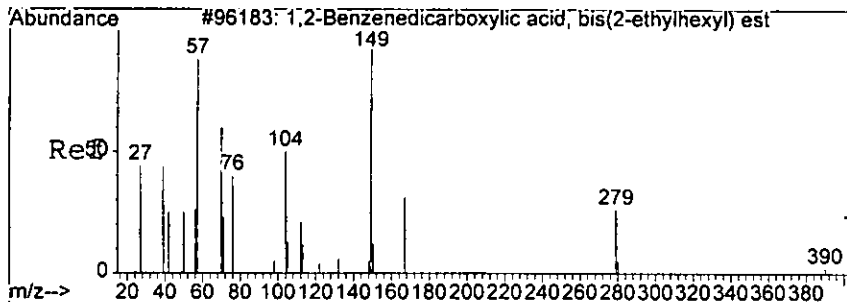
0.37



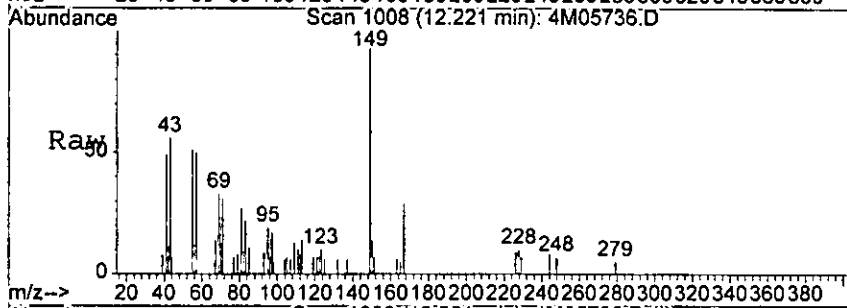
Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.8	12.0	52.0
229	18.5	0.0	61.1



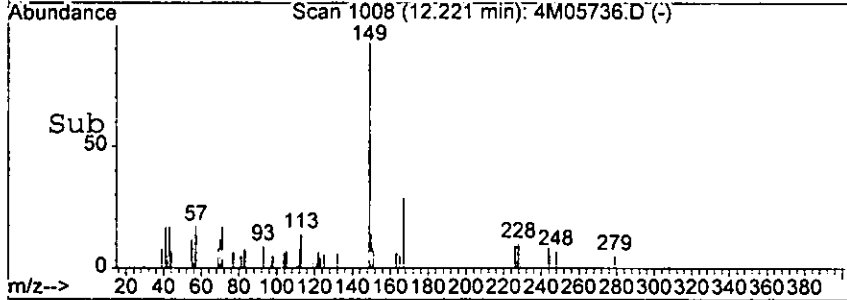
Handwritten signature



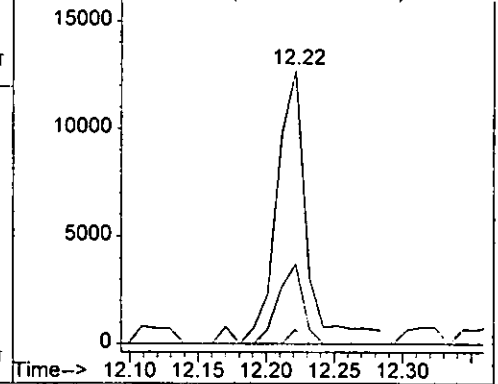
#80
 bis(2-Ethylhexyl)phthalate
 Concen: 15.62 ng
 RT: 12.22 min Scan# 1008
 Delta R.T. -0.00 min
 Lab File: 4M05736.D
 Acq: 19 Aug 2005 10:58



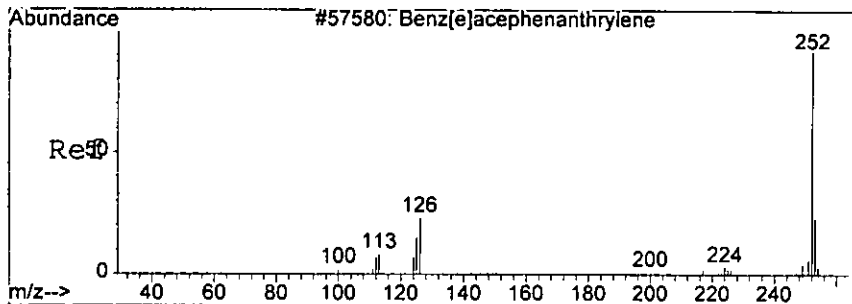
Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.2	0.0	53.9
279	5.1	0.0	43.5



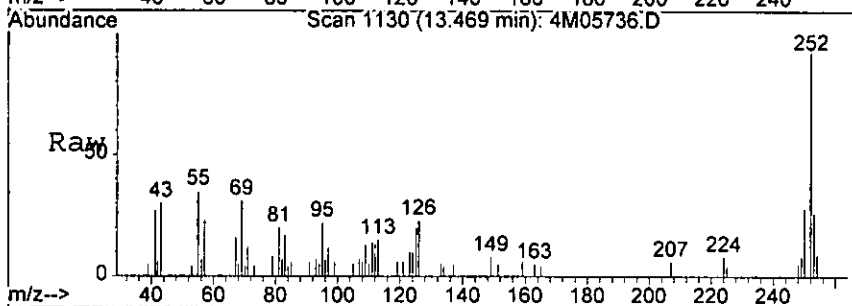
Abundance Ion 149.00 (148.70 to 149.70): 4M0573
 Ion 167.00 (166.70 to 167.70): 4M0573
 Ion 279.00 (278.70 to 279.70): 4M0573



12.22

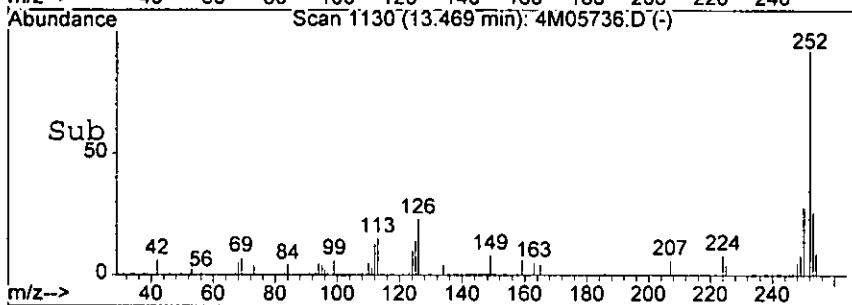


#83
 Benzo [b] fluoranthene
 Concen: 19.90 ng m
 RT: 13.47 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: 4M05736.D
 Acq: 19 Aug 2005 10:58

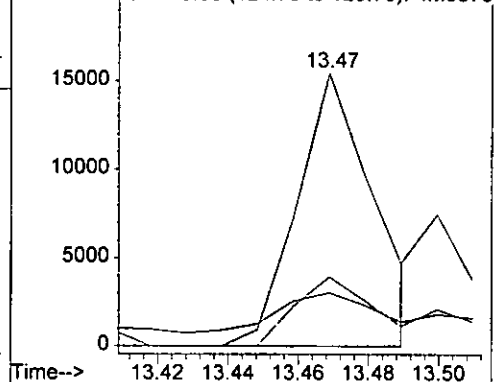


Tgt Ion: 252 Resp: 23310

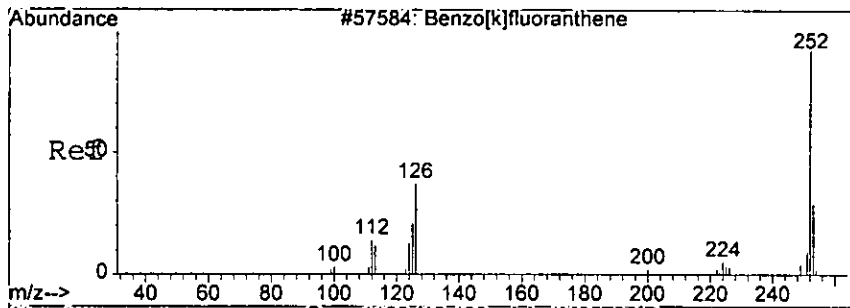
Ion	Ratio	Lower	Upper
252	100		
253	25.5	0.0	63.3
125	19.7	0.0	57.6



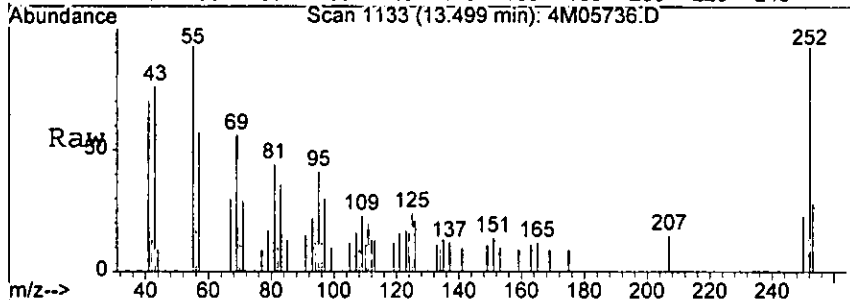
Abundance Ion 252.00 (251.70 to 252.70): 4M0573
 Ion 253.00 (252.70 to 253.70): 4M0573
 Ion 125.00 (124.70 to 125.70): 4M0573



Handwritten signature

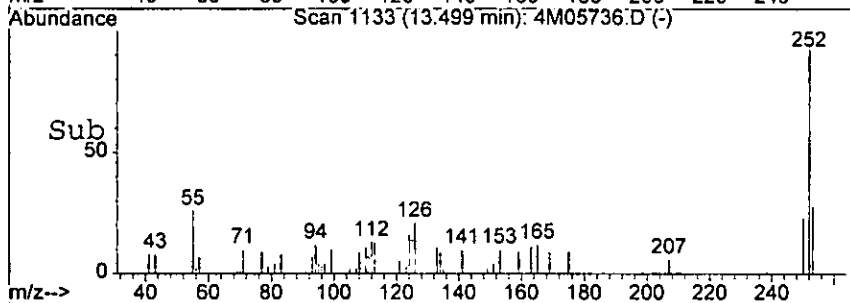


#84
 Benzo[k]fluoranthene
 Concen: 7.12 ng m
 RT: 13.50 min Scan# 1133
 Delta R.T. -0.00 min
 Lab File: 4M05736.D
 Acq: 19 Aug 2005 10:58

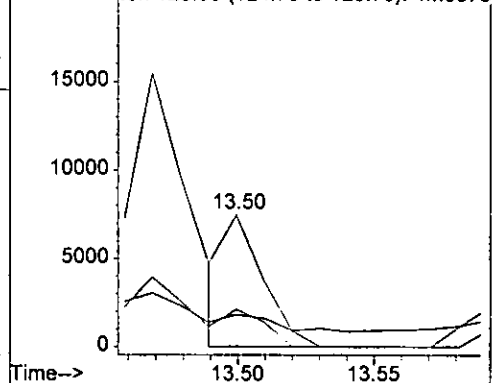


Tgt Ion: 252 Resp: 7424

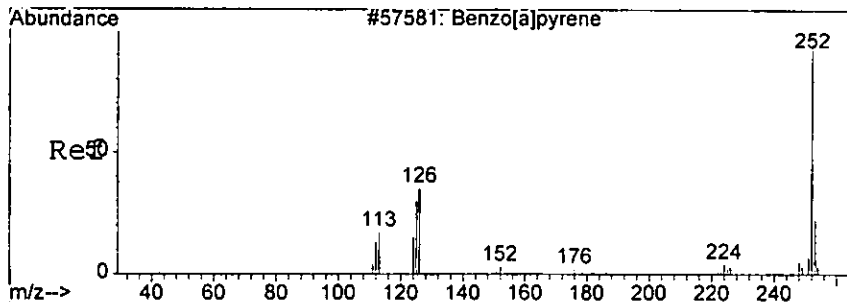
Ion	Ratio	Lower	Upper
252	100		
253	28.1	0.0	63.5
125	24.3	0.0	53.8



Abundance Ion 252.00 (251.70 to 252.70): 4M0573
 Ion 253.00 (252.70 to 253.70): 4M0573
 Ion 125.00 (124.70 to 125.70): 4M0573



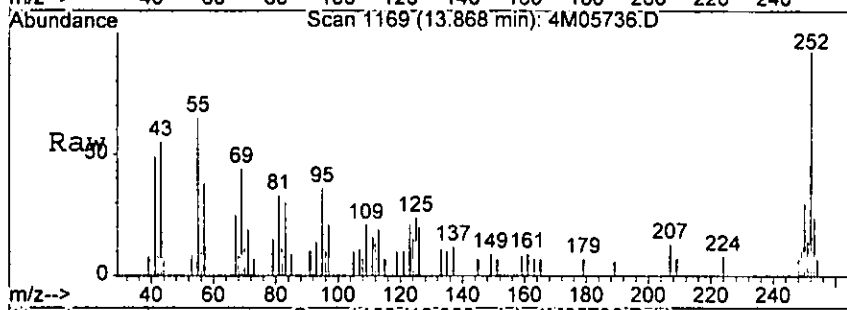
hrr



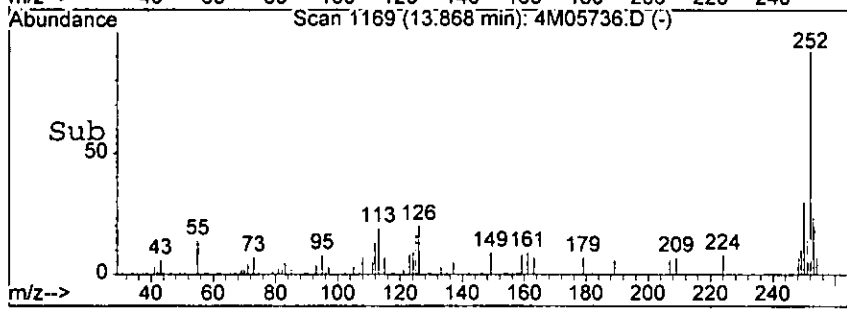
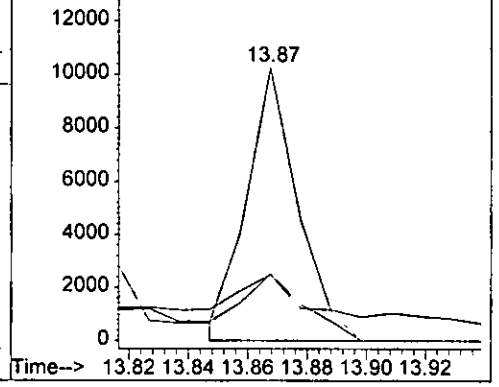
#85
 Benzo[a]pyrene
 Concen: 11.57 ng
 RT: 13.87 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: 4M05736.D
 Acq: 19 Aug 2005 10:58

1778

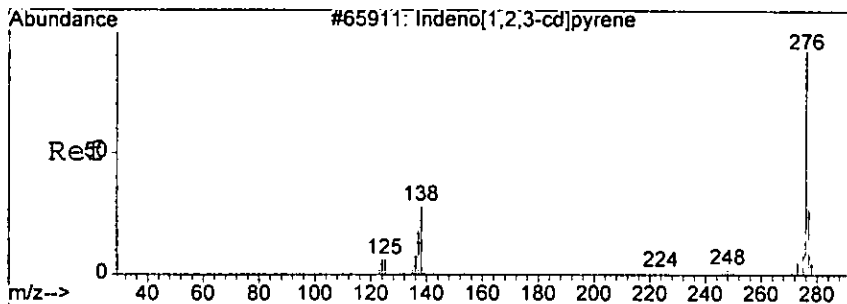
Tgt Ion	Resp	Lower	Upper
252	100		
253	24.4	0.0	62.9
125	14.0	0.0	57.6



Abundance Ion 252.00 (251.70 to 252.70): 4M0573
 Ion 253.00 (252.70 to 253.70): 4M0573
 Ion 125.00 (124.70 to 125.70): 4M0573



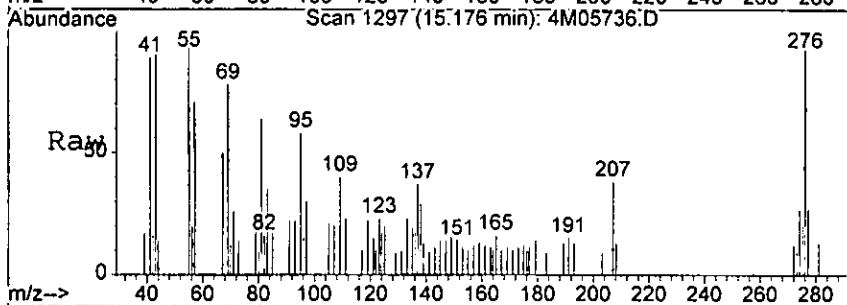
hear



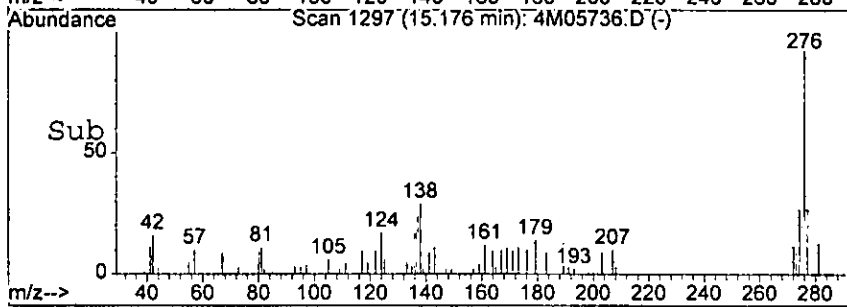
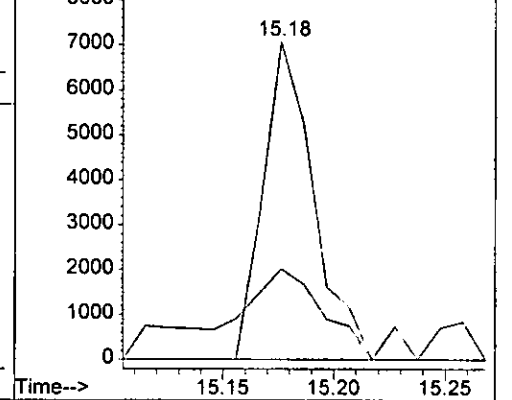
#86
 Indeno[1,2,3-cd]pyrene
 Concen: 8.79 ng
 RT: 15.18 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: 4M05736.D
 Acq: 19 Aug 2005 10:58

Tgt Ion: 276 Resp: 11147

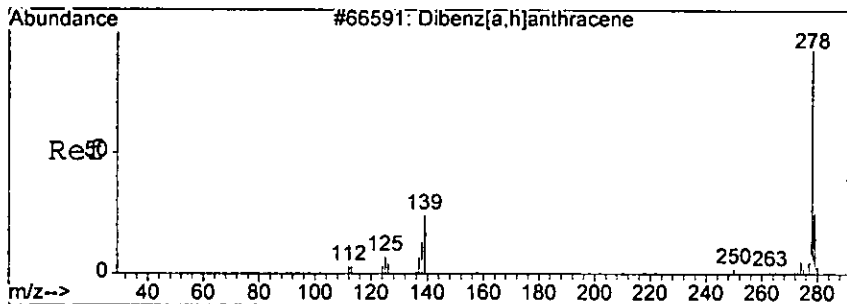
Ion	Ratio	Lower	Upper
276	100		
138	19.3	0.0	73.4



Abundance Ion 276.00 (275.70 to 276.70): 4M0573
 Ion 138.00 (137.70 to 138.70): 4M0573

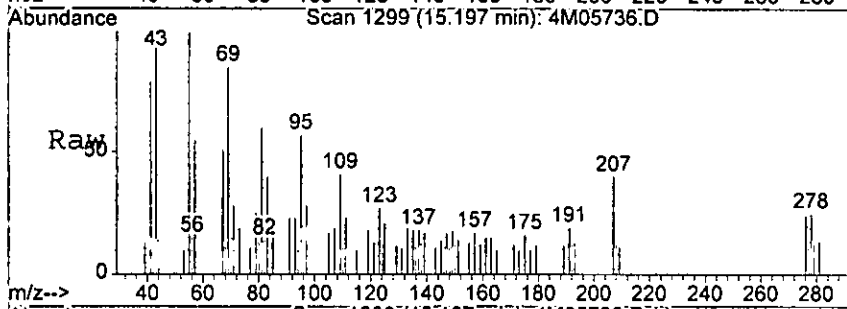


haar

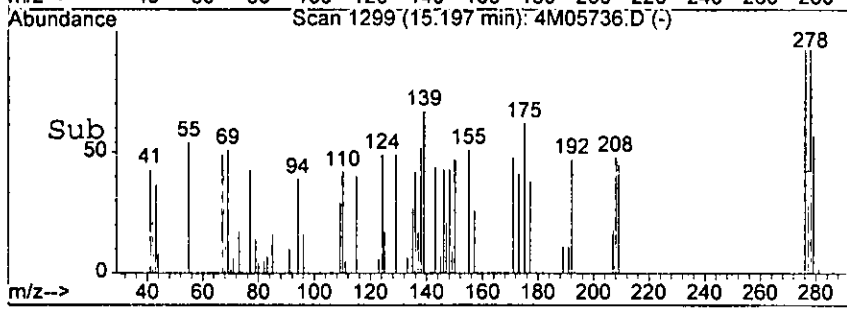
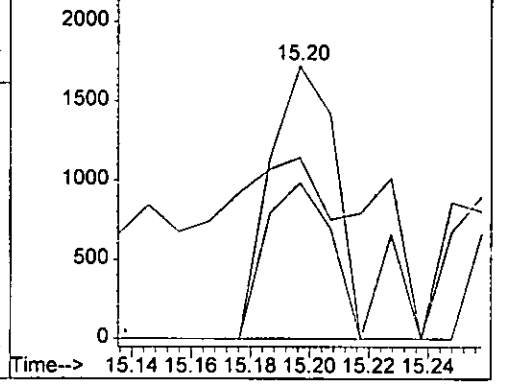


#87
 Dibenzo[a,h]anthracene
 Concen: 2.65 ng
 RT: 15.20 min Scan# 1299
 Delta R.T. -0.00 min
 Lab File: 4M05736.D
 Acq: 19 Aug 2005 10:58

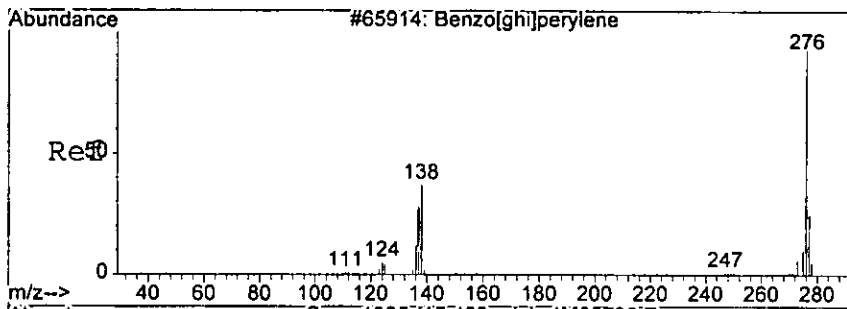
Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.2	0.0	63.8
279	57.2	0.0	64.0



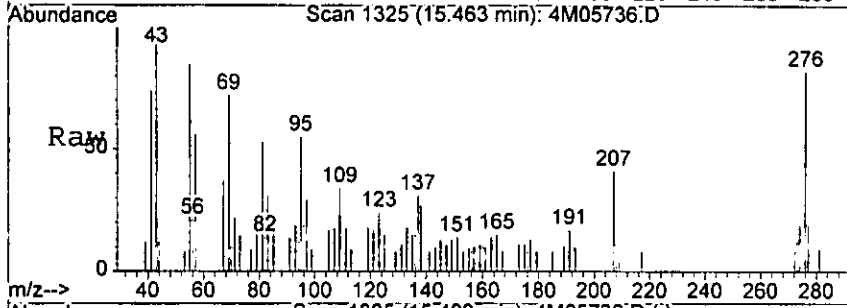
Abundance
 Ion 278.00 (277.70 to 278.70): 4M0573
 Ion 139.00 (138.70 to 139.70): 4M0573
 Ion 279.00 (278.70 to 279.70): 4M0573



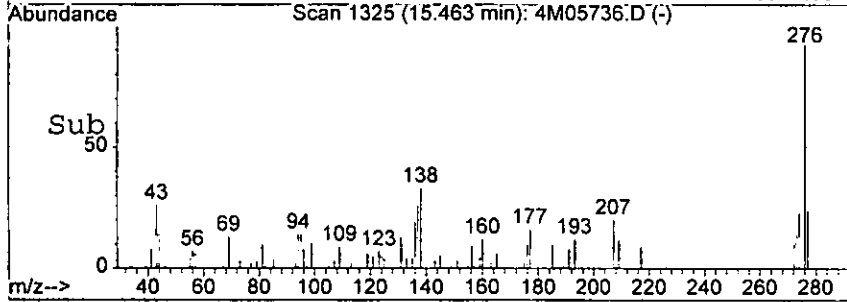
NR



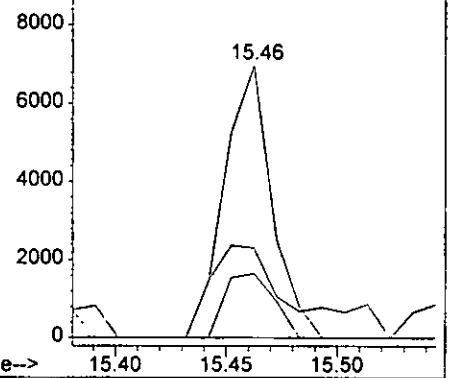
#88
 Benzo[g,h,i]perylene
 Concen: 9.98 ng
 RT: 15.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: 4M05736.D
 Acq: 19 Aug 2005 10:58



Tgt Ion	Resp	Lower	Upper
276	10425	100	
138	33.1	0.0	74.1
277	23.6	0.0	65.0



Abundance Ion 276.00 (275.70 to 276.70): 4M0573
 Ion 138.00 (137.70 to 138.70): 4M0573
 Ion 277.00 (276.70 to 277.70): 4M0573



haar

Form1

ORGANICS SEMIVOLATILE REPORT

545

Sample Number: AC19099-002
 Client Id: PCSB - 56 (2.0)
 Data File: 4M05737.D
 Analysis Date: 08/19/05 11:22
 Date Rec/Extracted: 08/16/05-08/17/05

Matrix: Soil
 Initial Vol: 30g
 Final Vol: 1ml
 Dilution: 1
 Solids: 77

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.012	U	205-99-2	Benzo[b]fluoranthene	0.013	5.1
95-50-1	1,2-Dichlorobenzene	0.020	U	191-24-2	Benzo[g,h,i]perylene	0.0082	2.0
122-66-7	1,2-Diphenylhydrazine	0.013	U	207-08-9	Benzo[k]fluoranthene	0.014	1.7
541-73-1	1,3-Dichlorobenzene	0.018	U	111-91-1	bis(2-Chloroethoxy)methan	0.0099	U
106-46-7	1,4-Dichlorobenzene	0.022	U	111-44-4	bis(2-Chloroethyl)ether	0.023	U
95-95-4	2,4,5-Trichlorophenol	0.58	U	108-60-1	bis(2-chloroisopropyl)ether	0.014	U
88-06-2	2,4,6-Trichlorophenol	1.0	U	117-81-7	bis(2-Ethylhexyl)phthalat	0.039	0.37
120-83-2	2,4-Dichlorophenol	0.070	U	85-68-7	Butylbenzylphthalate	0.017	U
105-67-9	2,4-Dimethylphenol	0.060	U	86-74-8	Carbazole	0.013	0.15
51-28-5	2,4-Dinitrophenol	0.29	U	218-01-9	Chrysene	0.0090	3.1
121-14-2	2,4-Dinitrotoluene	0.016	U	84-74-2	Di-n-butylphthalate	0.0097	0.14 B
606-20-2	2,6-Dinitrotoluene	0.018	U	117-84-0	Di-n-octylphthalate	0.010	U
91-58-7	2-Chloronaphthalene	0.012	U	53-70-3	Dibenzo[a,h]anthracene	0.015	0.78
95-57-8	2-Chlorophenol	0.088	U	132-64-9	Dibenzofuran	0.055	0.11
91-57-6	2-Methylnaphthalene	0.056	0.12	84-66-2	Diethylphthalate	0.012	U
95-48-7	2-Methylphenol	0.21	U	131-11-3	Dimethylphthalate	0.0098	U
88-74-4	2-Nitroaniline	0.030	U	206-44-0	Fluoranthene	0.012	3.3
88-75-5	2-Nitrophenol	0.050	U	86-73-7	Fluorene	0.011	0.099
106-44-5	3&4-Methylphenol	0.23	U	118-74-1	Hexachlorobenzene	0.020	U
91-94-1	3,3'-Dichlorobenzidine	0.095	U	87-68-3	Hexachlorobutadiene	0.018	U
99-09-2	3-Nitroaniline	0.18	U	77-47-4	Hexachlorocyclopentadiene	0.12	U
534-52-1	4,6-Dinitro-2-methylphenol	0.082	U	67-72-1	Hexachloroethane	0.032	U
101-55-3	4-Bromophenyl-phenylether	0.017	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.0060	1.9
59-50-7	4-Chloro-3-methylphenol	0.11	U	78-59-1	Isophorone	0.013	U
106-47-8	4-Chloroaniline	0.33	U	621-64-7	N-Nitroso-di-n-propylamine	0.021	U
7005-72-3	4-Chlorophenyl-phenylether	0.020	U	62-75-9	N-Nitrosodimethylamine	0.51	U
100-01-6	4-Nitroaniline	0.11	U	86-30-6	n-Nitrosodiphenylamine	0.021	U
100-02-7	4-Nitrophenol	0.077	U	91-20-3	Naphthalene	0.010	0.35
83-32-9	Acenaphthene	0.018	0.043	98-95-3	Nitrobenzene	0.017	U
208-96-8	Acenaphthylene	0.010	0.48	87-86-5	Pentachlorophenol	0.053	U
120-12-7	Anthracene	0.011	0.42	85-01-8	Phenanthrene	0.010	1.4
92-87-5	Benzidine	0.098	U	108-95-2	Phenol	0.066	U
56-55-3	Benzo[a]anthracene	0.0076	3.4	129-00-0	Pyrene	0.010	5.6
50-32-8	Benzo[a]pyrene	0.010	3.3				

Worksheet #: 18797

Total Target Concentration 33.862

U - Indicates the compound was analyzed but not detected.
 B - Indicates the analyte was found in the blank as well as in the sample.
 E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
 J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

01210

Data File : G:\GcMsData\2005\Gcms_4\Data\08-19-05\4M05737.D Vial: 1
 Acq On : 19 Aug 2005 11:22 Operator: AHD
 Sample : AC19099-002 Inst : GCMS_4
 Misc : S,BNA Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:14 2005 Quant Results File: 4M_0818.RES

Quant Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration
 DataAcq Meth : 4M_0818

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.78	152	78703	40.00	ng	0.00
19) Naphthalene-d8	5.77	136	262043	40.00	ng	0.00
35) Acenaphthene-d10	7.32	164	130531	40.00	ng	-0.01
59) Phenanthrene-d10	8.91	188	173924	40.00	ng	0.00
72) Chrysene-d12	12.09	240	63704	40.00	ng	0.00
81) Perylene-d12	13.94	264	38811	40.00	ng	0.01

System Monitoring Compounds

4) 2-Fluorophenol	3.63	112	300530	138.07	ng	0.01
Spiked Amount	200.000		Recovery	=	69.04%	
7) Phenol-d5	4.51	99	440102	160.07	ng	0.00
Spiked Amount	200.000		Recovery	=	80.04%	
20) Nitrobenzene-d5	5.22	128	74279	61.32	ng	0.00
Spiked Amount	100.000		Recovery	=	61.32%	
40) 2-Fluorobiphenyl	6.68	172	332561	80.65	ng	0.00
Spiked Amount	100.000		Recovery	=	80.65%	
62) 2,4,6-Tribromophenol	8.15	332	119153	169.22	ng	0.00
Spiked Amount	200.000		Recovery	=	84.61%	
75) Terphenyl-d14	10.82	244	185248	123.82	ng	0.00
Spiked Amount	100.000		Recovery	=	123.82%	

Target Compounds

						Qvalue
29) Naphthalene	5.78	128	50177	8.08	ng	99
33) 2-Methylnaphthalene	6.36	142	11637	2.77	ng	89
46) Acenaphthylene	7.19	152	64779	11.18	ng	98
49) Acenaphthene	7.35	153	3636	1.00	ng	88
52) Dibenzofuran	7.53	168	13656	2.65	ng	97
55) Fluorene	7.88	166	8883	2.28	ng	93
67) Phenanthrene	8.94	178	147106	32.50	ng	98
68) Anthracene	9.00	178	44330	9.74	ng	98
69) Carbazole	9.20	167	15480	3.51	ng	93
70) Di-n-butylphthalate	9.64	149	19297	3.16	ng	95
71) Fluoranthene	10.32	202	374913	76.37	ng	100
73) Pyrene	10.59	202	279915	128.23	ng	94
78) Benzo[a]anthracene	12.08	228	155357	77.85	ng	98
79) Chrysene	12.13	228	134330	70.77	ng	98
80) bis(2-Ethylhexyl)phthalate	12.22	149	14072	8.58	ng	88
83) Benzo[b]fluoranthene	13.47	252	166595m	116.86	ng	
84) Benzo[k]fluoranthene	13.50	252	49967m	39.35	ng	
85) Benzo[a]pyrene	13.87	252	99005	76.99	ng	95
86) Indeno[1,2,3-cd]pyrene	15.18	276	67233	43.58	ng	85

(#) = qualifier out of range (m) = manual integration

ABAR

0457

Data File : G:\GcMsData\2005\Gcms_4\Data\08-19-05\4M05737.D Vial: 1
 Acq On : 19 Aug 2005 11:22 Operator: AHD
 Sample : AC19099-002 Inst : GCMS_4
 Misc : S,BNA Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:14 2005 Quant Results File: 4M_0818.RES

Quant Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration
 DataAcq Meth : 4M_0818

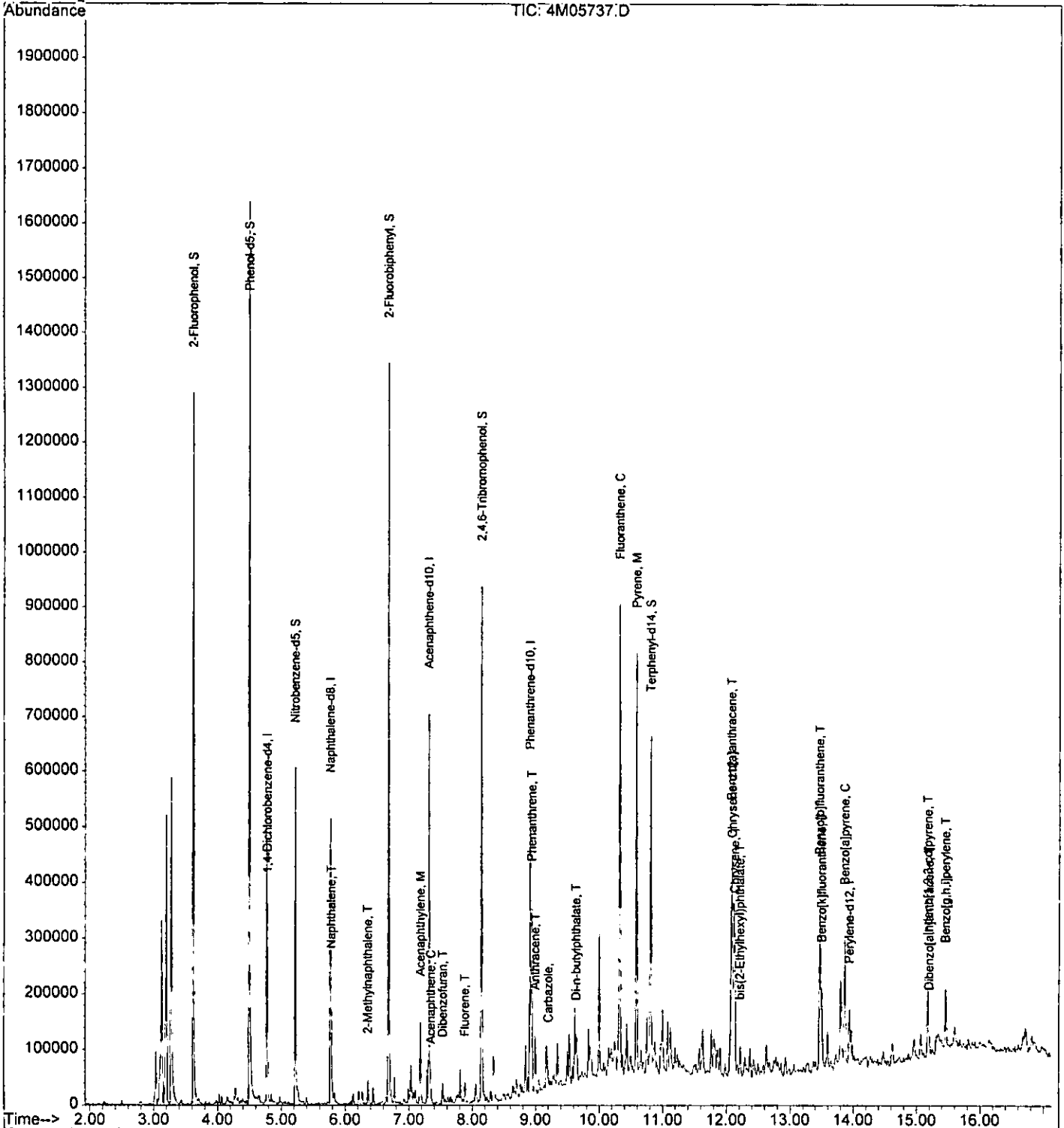
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
87) Dibenzo[a,h]anthracene	15.20	278	21679	17.99	ng	80
88) Benzo[g,h,i]perylene	15.46	276	59374	46.72	ng	94

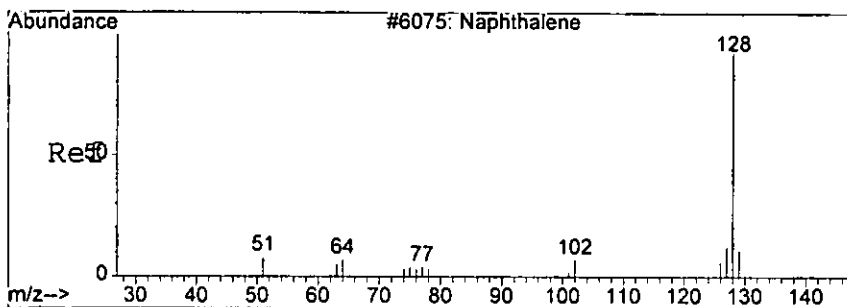
Quantitation Report

Data File : G:\GcMsData\2005\Gcms_4\Data\08-19-05\4M05737.D Vial: 1
Acq On : 19 Aug 2005 11:22 Operator: AHD
Sample : AC19099-002 Inst : GCMS_4
Misc : S,BNA Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 29 16:14 2005

Quant Results File: 4M_0818.RES

Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
Title : @GCMS_4,mg,625,8270
Last Update : Thu Aug 18 14:49:57 2005
Response via : Initial Calibration



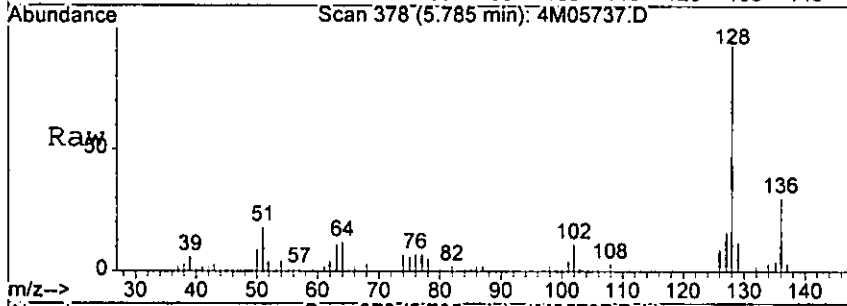


#29
 Naphthalene
 Concen: 8.08 ng
 RT: 5.78 min Scan# 378
 Delta R.T. -0.01 min
 Lab File: 4M05737.D
 Acq: 19 Aug 2005 11:22

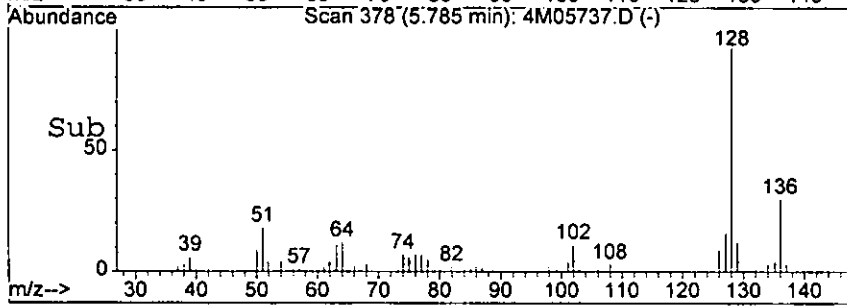
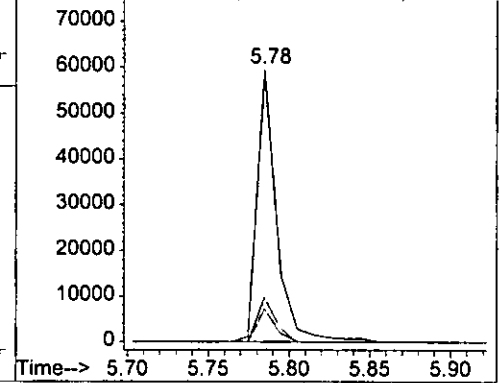
0479

Tgt Ion:128 Resp: 50177

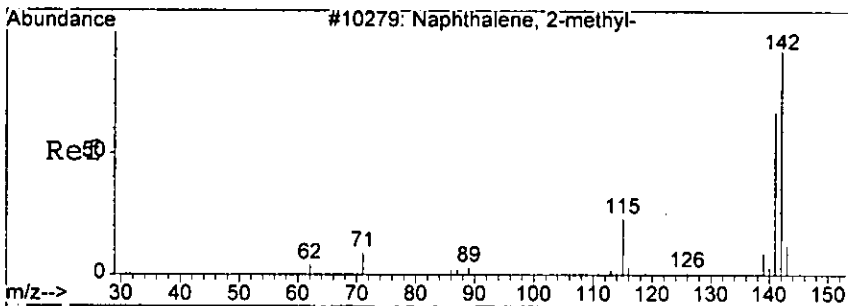
Ion	Ratio	Lower	Upper
128	100		
129	12.1	0.0	51.8
127	16.4	0.0	57.0



Abundance Ion 128.00 (127.70 to 128.70): 4M0573
 80000 Ion 129.00 (128.70 to 129.70): 4M0573
 70000 Ion 127.00 (126.70 to 127.70): 4M0573

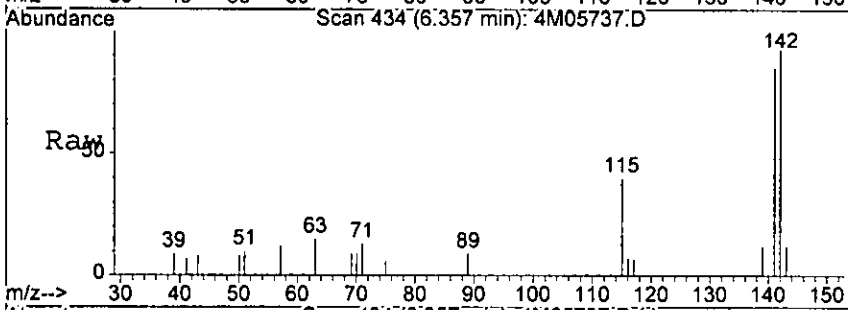


1822

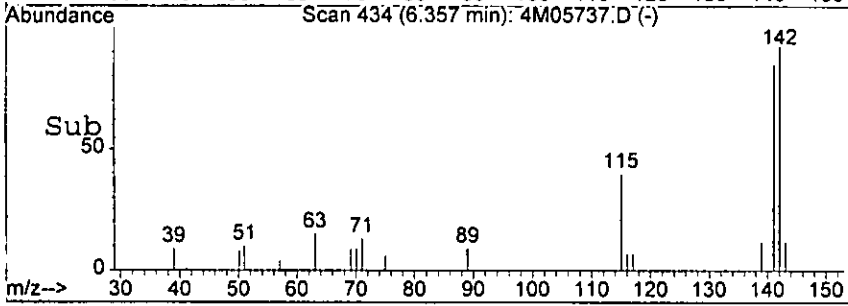
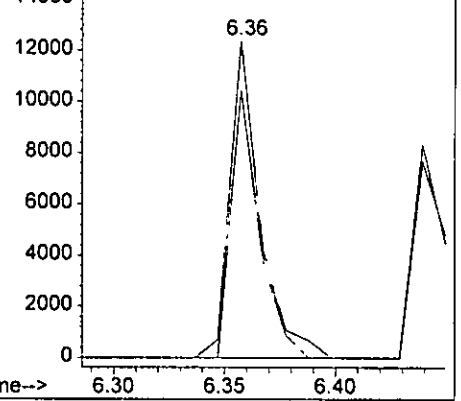


#33
 2-Methylnaphthalene
 Concen: 2.77 ng
 RT: 6.36 min Scan# 434
 Delta R.T. -0.01 min
 Lab File: 4M05737.D
 Acq: 19 Aug 2005 11:22

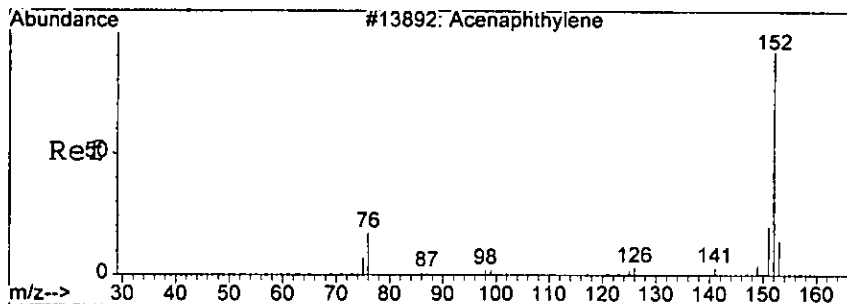
Tgt Ion:142 Resp: 11637
 Ion Ratio Lower Upper
 142 100
 141 84.6 55.7 135.7



Abundance Ion 142.00 (141.70 to 142.70): 4M0573
 Ion 141.00 (140.70 to 141.70): 4M0573



Real

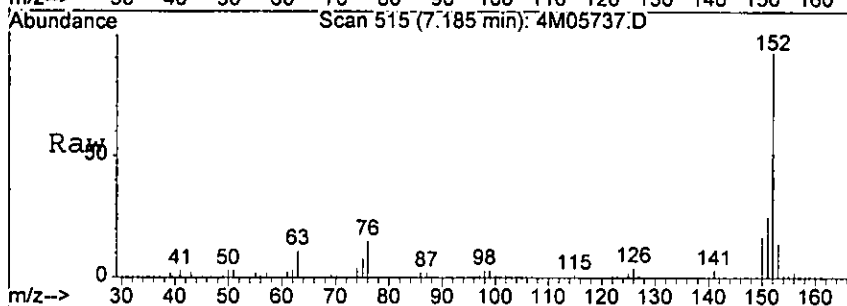


#46
 Acenaphthylene
 Concen: 11.18 ng
 RT: 7.19 min Scan# 515
 Delta R.T. 0.00 min
 Lab File: 4M05737.D
 Acq: 19 Aug 2005 11:22

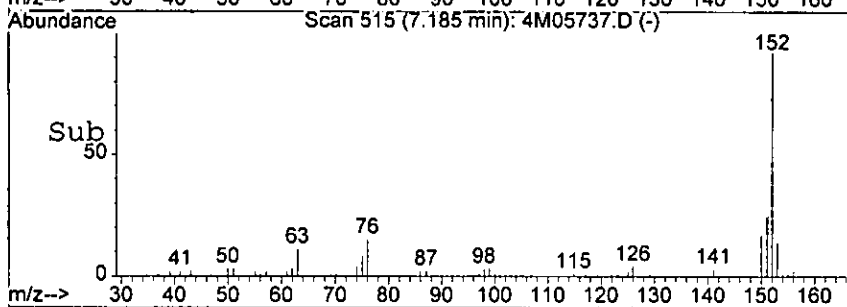
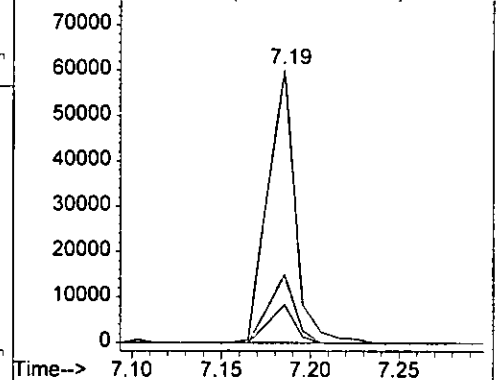
0451

Tgt Ion: 152 Resp: 64779

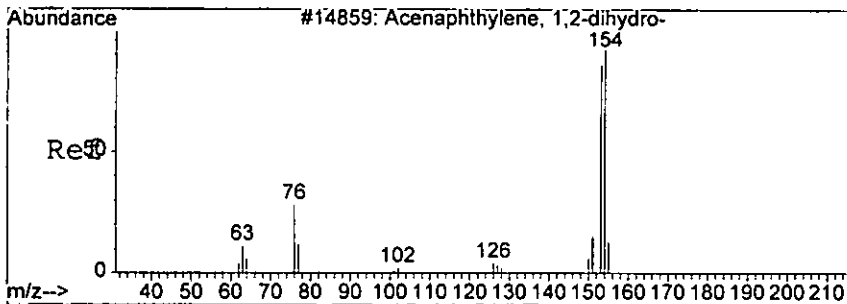
Ion	Ratio	Lower	Upper
152	100		
151	24.8	0.0	63.6
153	13.9	0.0	53.8



Abundance Ion 152.00 (151.70 to 152.70): 4M0573
 Ion 151.00 (150.70 to 151.70): 4M0573
 Ion 153.00 (152.70 to 153.70): 4M0573



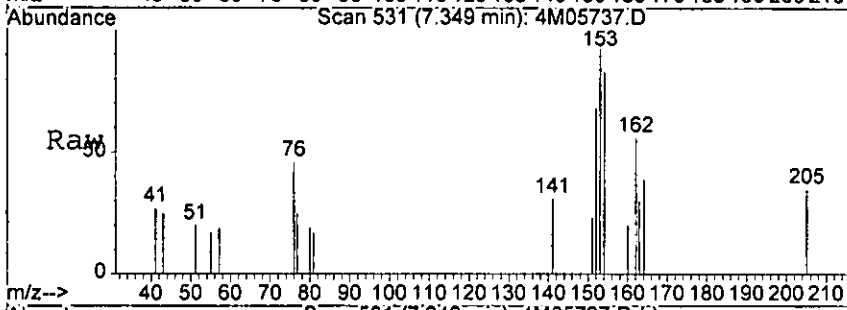
hear



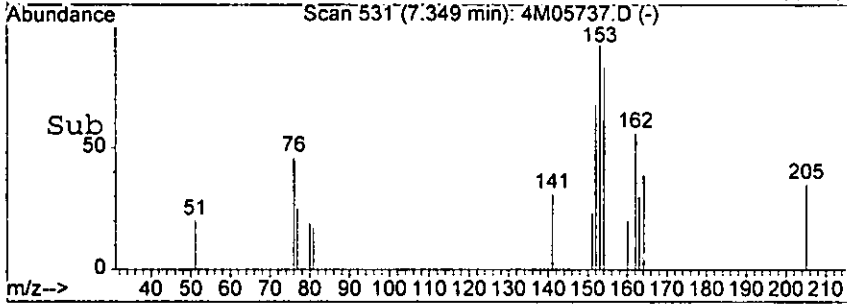
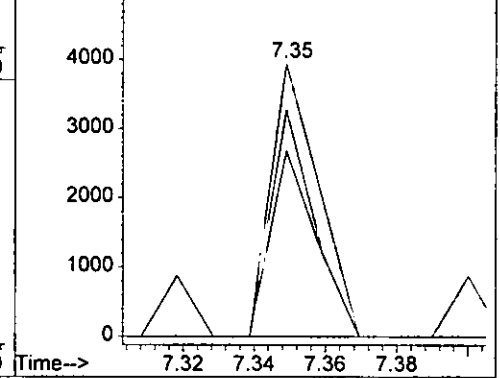
#49
 Acenaphthene
 Concen: 1.00 ng
 RT: 7.35 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: 4M05737.D
 Acq: 19 Aug 2005 11:22

0452

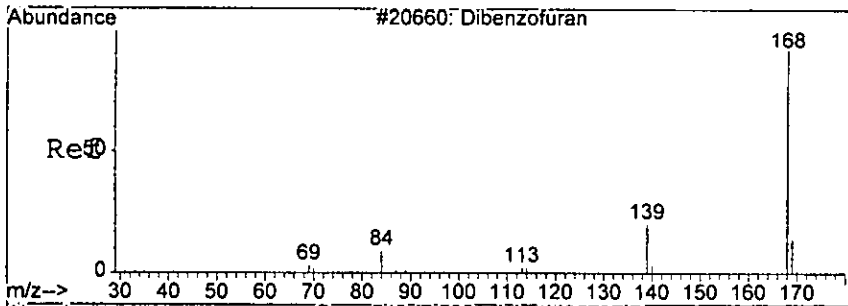
Tgt Ion	Resp	Lower	Upper
153	3636		
153	100		
152	68.1	8.3	88.3
154	82.9	45.1	125.1



Abundance Ion 153.00 (152.70 to 153.70): 4M0573
 Ion 152.00 (151.70 to 152.70): 4M0573
 Ion 154.00 (153.70 to 154.70): 4M0573



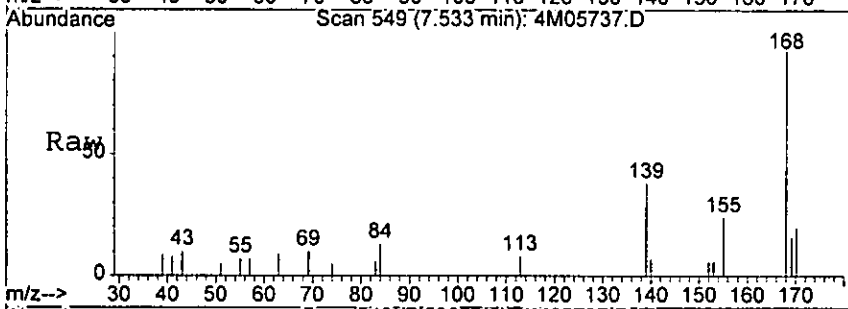
near



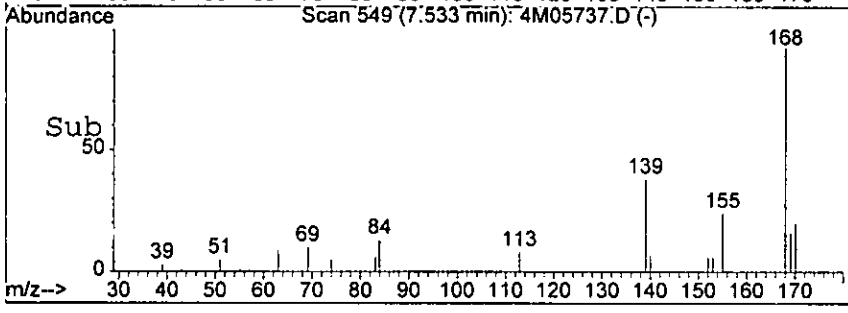
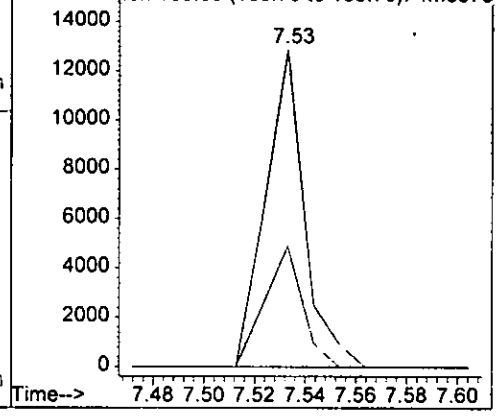
#52
 Dibenzofuran
 Concen: 2.65 ng
 RT: 7.53 min Scan# 549
 Delta R.T. 0.00 min
 Lab File: 4M05737.D
 Acq: 19 Aug 2005 11:22

0453

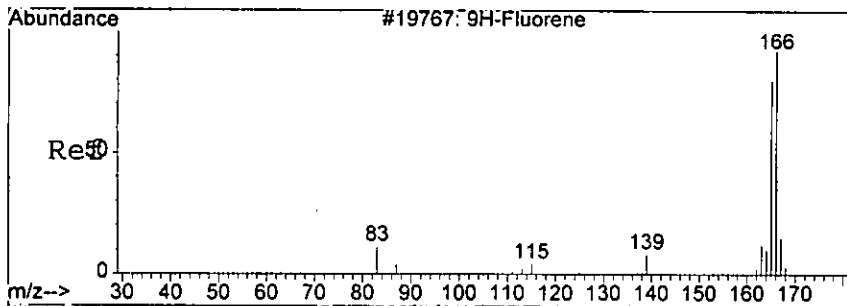
Tgt Ion: 168 Resp: 13656
 Ion Ratio Lower Upper
 168 100
 139 37.9 6.0 66.0



Abundance Ion 168.00 (167.70 to 168.70): 4M0573
 Ion 139.00 (138.70 to 139.70): 4M0573



hour

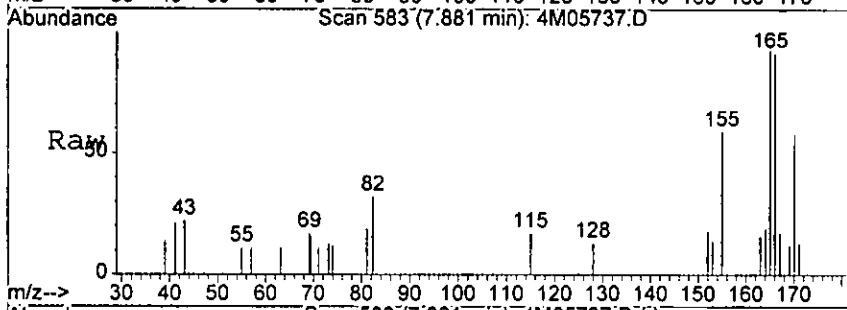


#55
 Fluorene
 Concen: 2.28 ng
 RT: 7.88 min Scan# 583
 Delta R.T. -0.01 min
 Lab File: 4M05737.D
 Acq: 19 Aug 2005 11:22

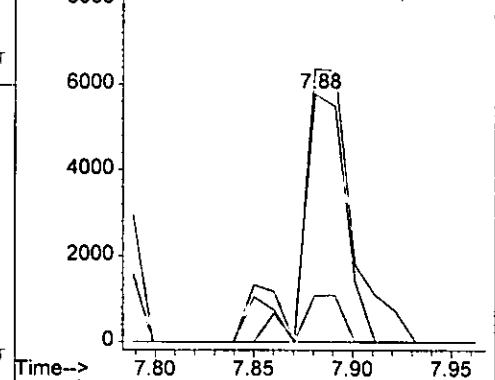
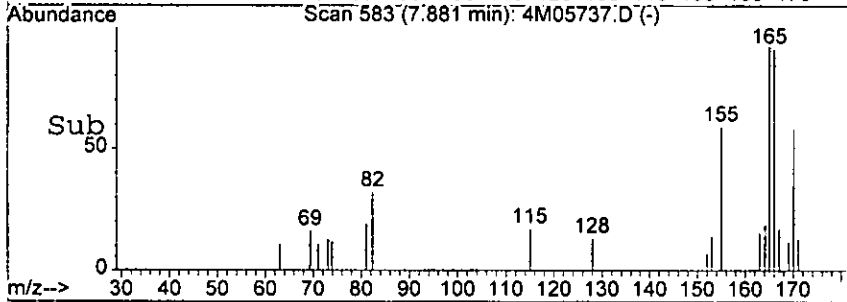
0454

Tgt Ion: 166 Resp: 8883

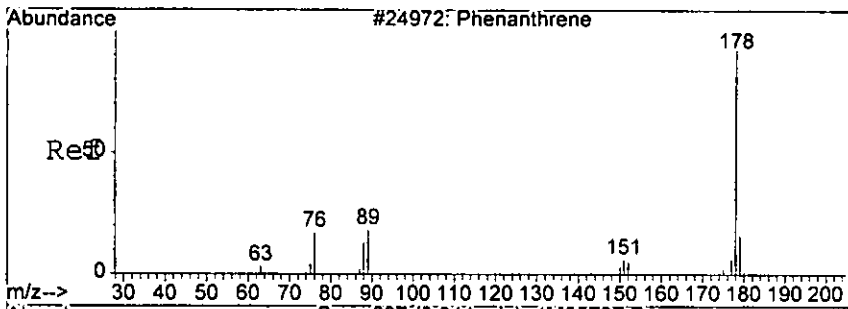
Ion	Ratio	Lower	Upper
166	100		
165	110.3	63.3	143.3
167	18.7	0.0	54.6



Abundance Ion 166.00 (165.70 to 166.70): 4M0573
 Ion 165.00 (164.70 to 165.70): 4M0573
 Ion 167.00 (166.70 to 167.70): 4M0573



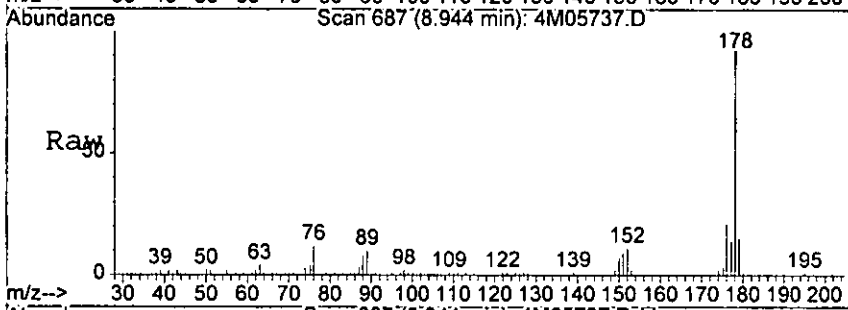
hour



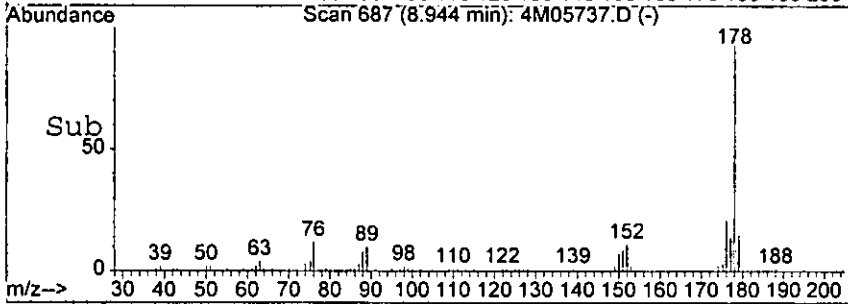
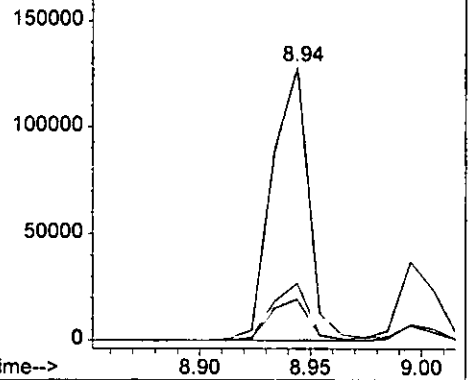
#67
 Phenanthrene
 Concen: 32.50 ng
 RT: 8.94 min Scan# 687
 Delta R.T. 0.00 min
 Lab File: 4M05737.D
 Acq: 19 Aug 2005 11:22

0455

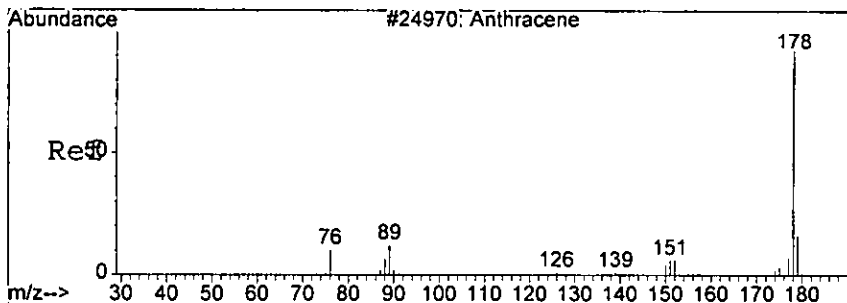
Tgt Ion	Resp	Lower	Upper
178	147106		
179	15.1	0.0	56.6
176	21.1	0.0	60.5



Abundance Ion 178.00 (177.70 to 178.70): 4M0573
 Ion 179.00 (178.70 to 179.70): 4M0573
 Ion 176.00 (175.70 to 176.70): 4M0573



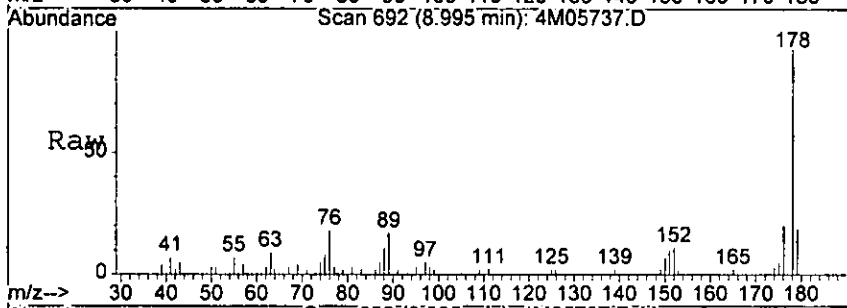
haar



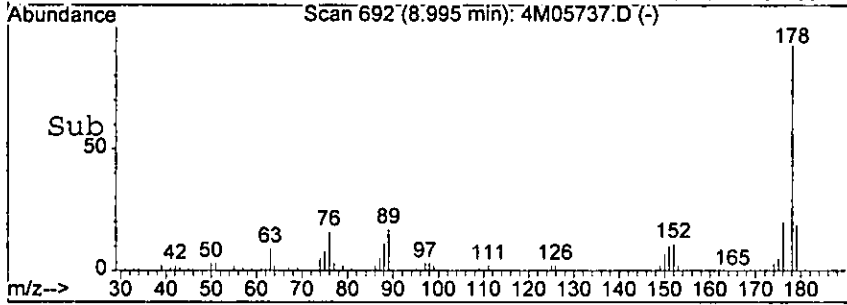
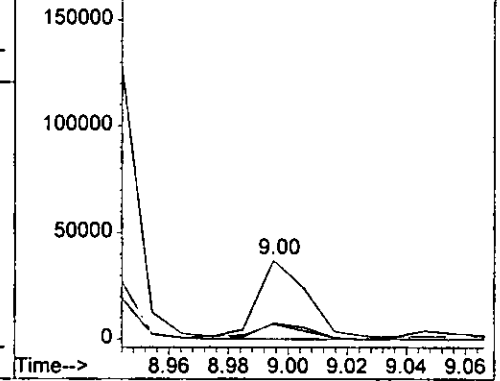
#68
 Anthracene
 Concen: 9.74 ng
 RT: 9.00 min Scan# 692
 Delta R.T. -0.01 min
 Lab File: 4M05737.D
 Acq: 19 Aug 2005 11:22

BASE

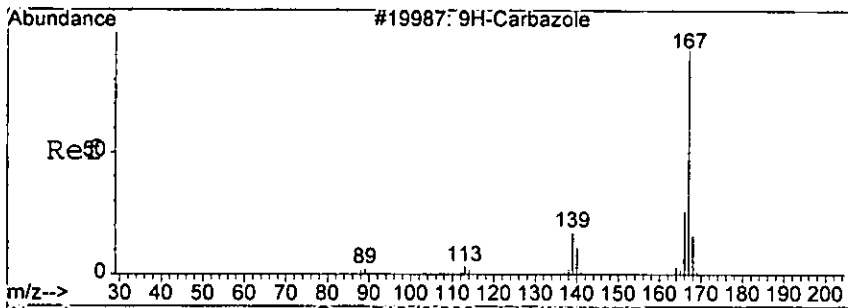
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	0.0	56.6
176	21.1	0.0	60.2



Abundance Ion 178.00 (177.70 to 178.70): 4M0573
 Ion 179.00 (178.70 to 179.70): 4M0573
 Ion 176.00 (175.70 to 176.70): 4M0573



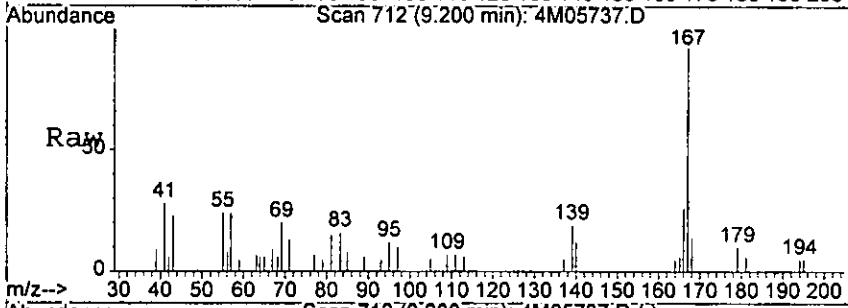
har



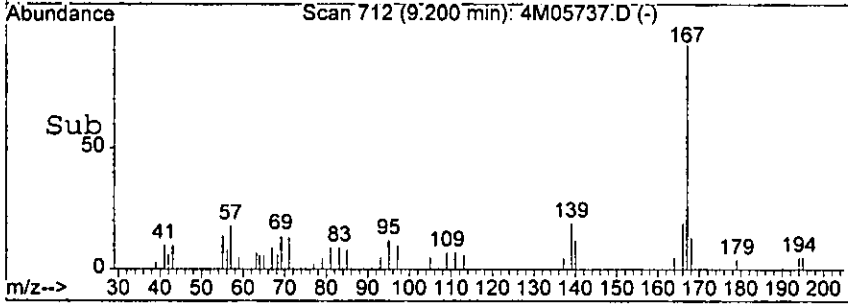
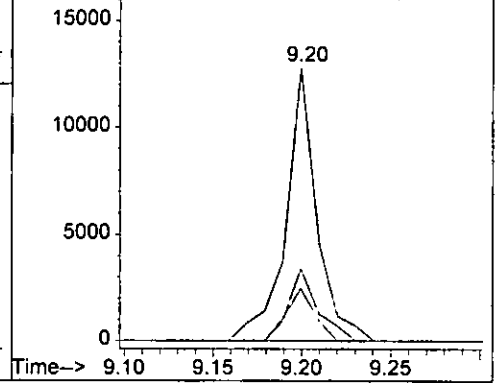
#69
 Carbazole
 Concen: 3.51 ng
 RT: 9.20 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: 4M05737.D
 Acq: 19 Aug 2005 11:22

0457

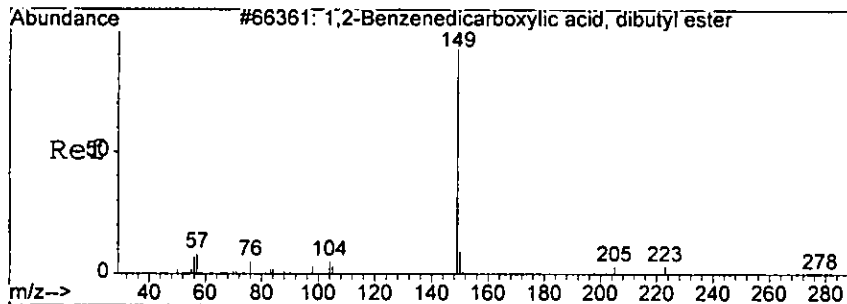
Tgt Ion	Resp	Lower	Upper
167	15480		
166	26.5	4.9	44.9
139	19.2	0.0	33.9



Abundance Ion 167.10 (166.80 to 167.80): 4M0573
 Ion 166.20 (165.90 to 166.90): 4M0573
 Ion 139.05 (138.75 to 139.75): 4M0573

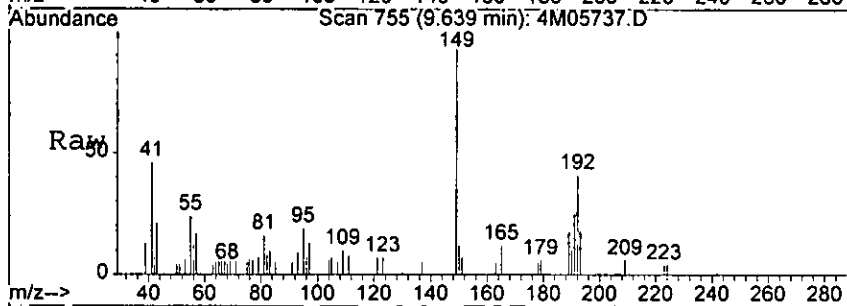


low

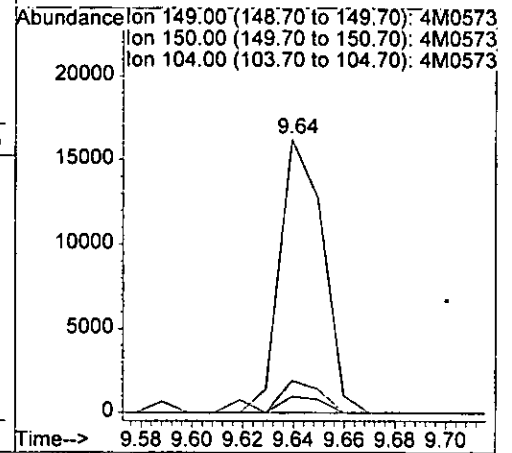
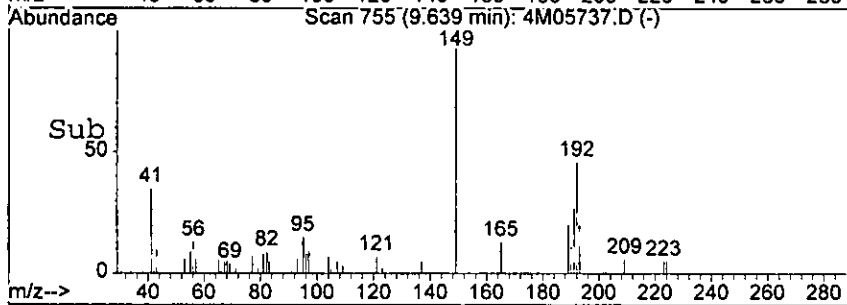


#70
 Di-n-butylphthalate
 Concen: 3.16 ng
 RT: 9.64 min Scan# 755
 Delta R.T. -0.01 min
 Lab File: 4M05737.D
 Acq: 19 Aug 2005 11:22

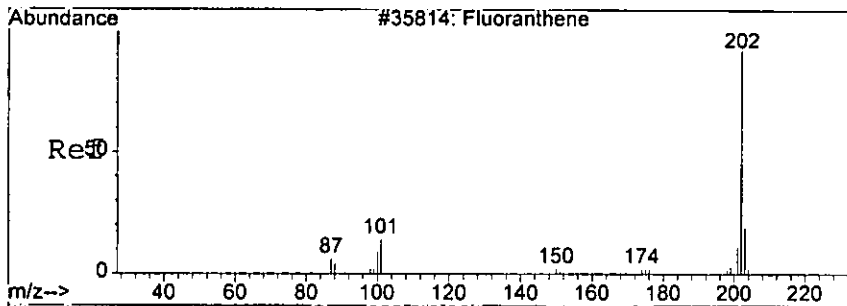
8570



Tgt Ion	Ratio	Resp	Lower	Upper
149	100	19297		
150	11.8		0.0	49.8
104	5.9		0.0	44.6



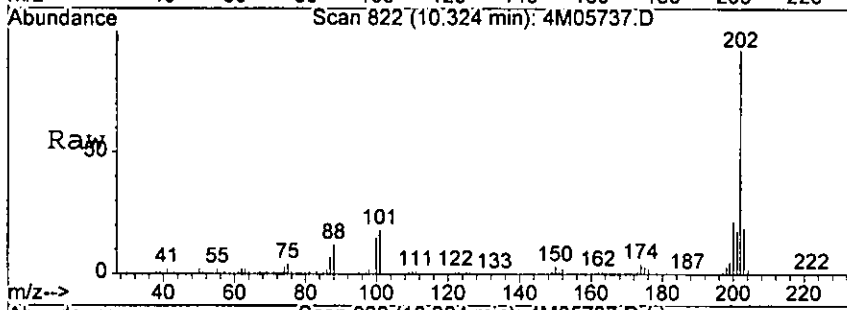
near



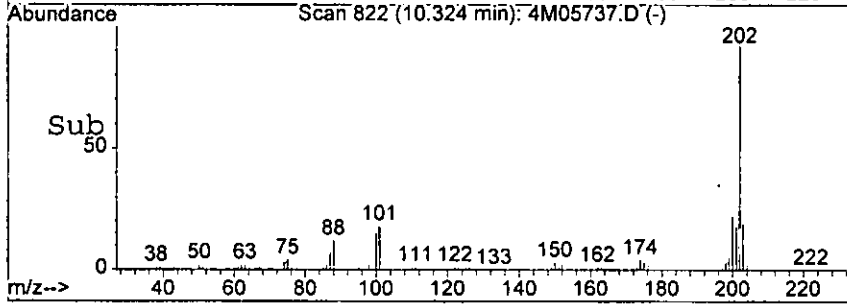
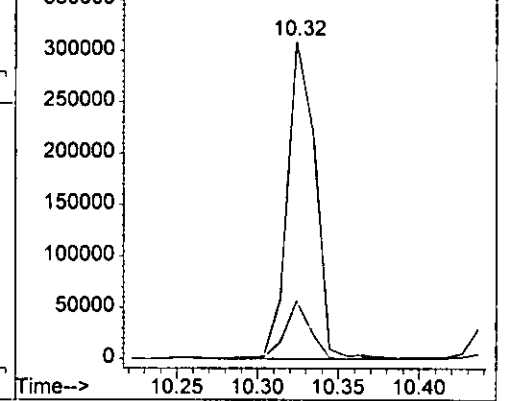
#71
 Fluoranthene
 Concen: 76.37 ng
 RT: 10.32 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: 4M05737.D
 Acq: 19 Aug 2005 11:22

0159

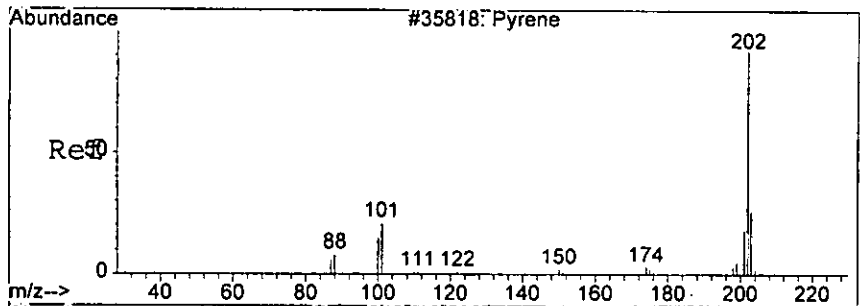
Tgt Ion: 202 Resp: 374913
 Ion Ratio Lower Upper
 202 100
 101 18.4 0.0 58.3



Abundance Ion 202.00 (201.70 to 202.70): 4M0573
 Ion 101.00 (100.70 to 101.70): 4M0573



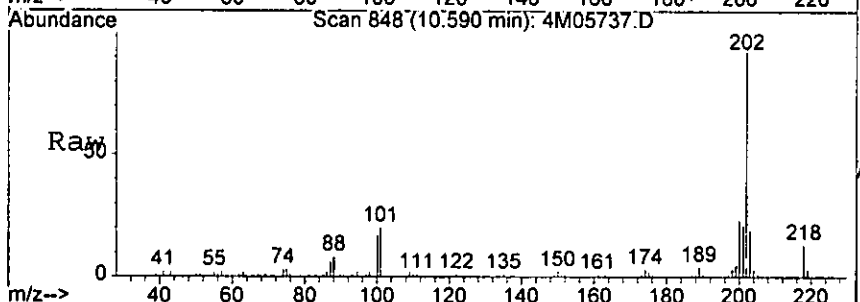
har



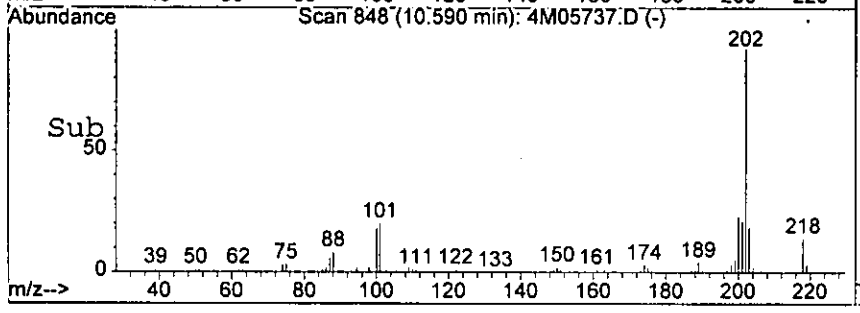
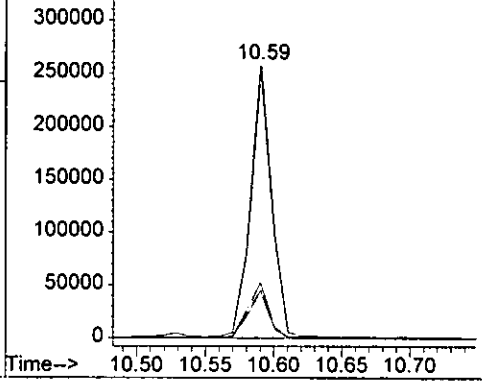
#73
 Pyrene
 Concen: 128.23 ng
 RT: 10.59 min Scan# 848
 Delta R.T. 0.00 min
 Lab File: 4M05737.D
 Acq: 19 Aug 2005 11:22

0.970

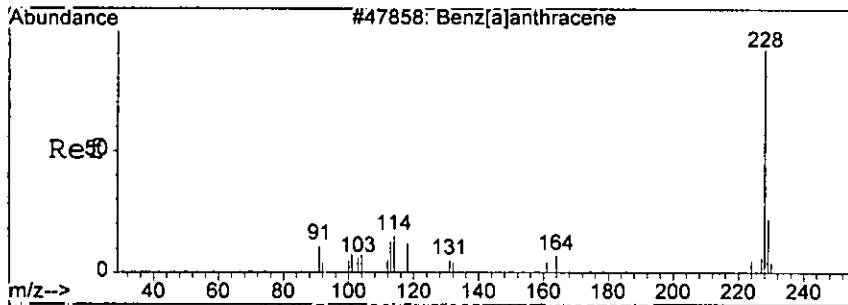
Tgt Ion	Resp	Lower	Upper
202	279915	100	100
101	20.3	0.0	62.7
100	17.5	0.0	60.5



Abundance Ion 202.00 (201.70 to 202.70): 4M0573
 350000 Ion 101.00 (100.70 to 101.70): 4M0573
 Ion 100.00 (99.70 to 100.70): 4M05737



Naar

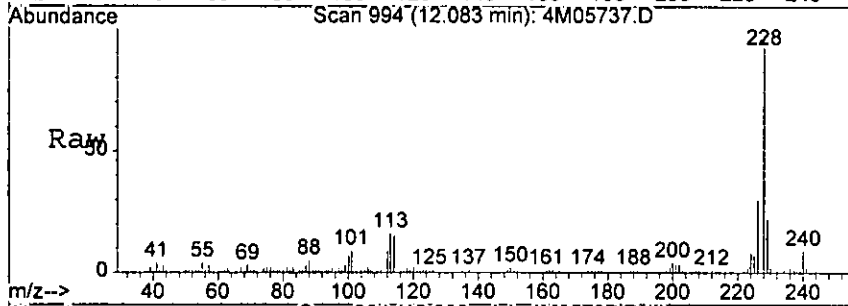


#78
 Benzo[a]anthracene
 Concen: 77.85 ng
 RT: 12.08 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: 4M05737.D
 Acq: 19 Aug 2005 11:22

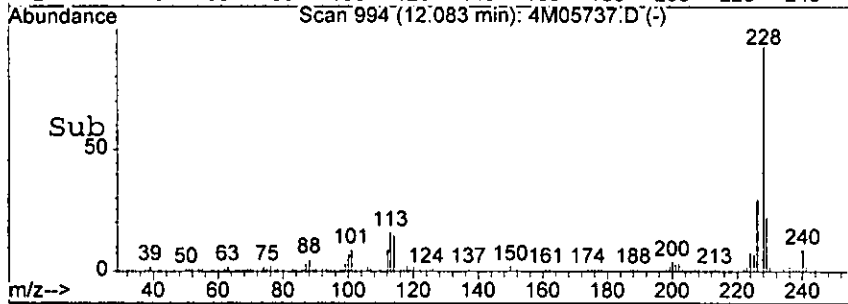
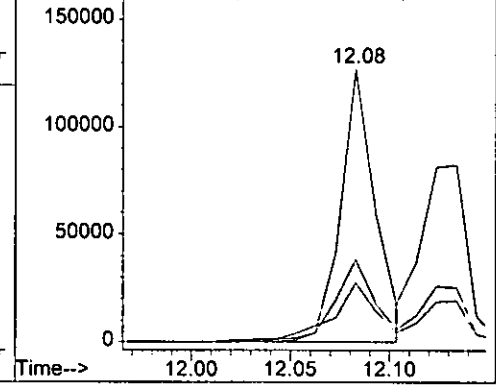
0451

Tgt Ion: 228 Resp: 155357

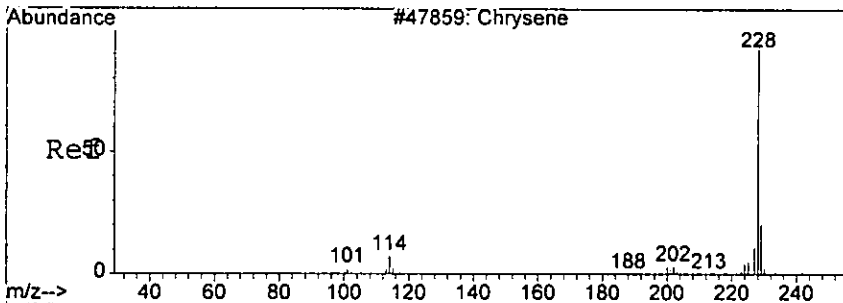
Ion	Ratio	Lower	Upper
228	100		
229	21.7	0.0	60.5
226	30.1	0.0	69.0



Abundance Ion 228.00 (227.70 to 228.70): 4M0573
 Ion 229.00 (228.70 to 229.70): 4M0573
 Ion 226.00 (225.70 to 226.70): 4M0573



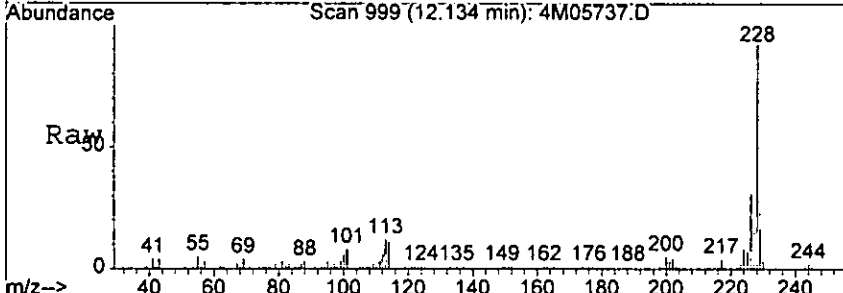
haar



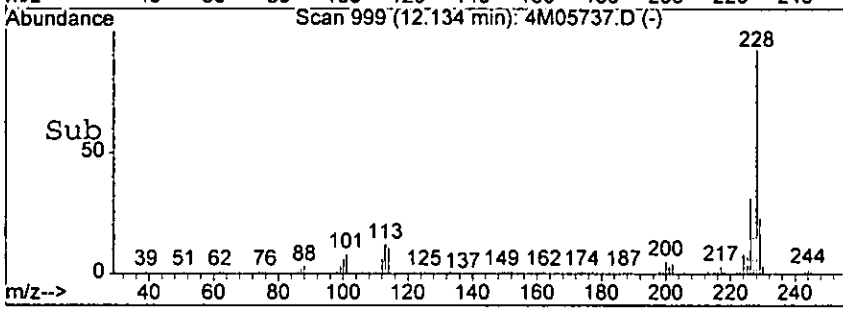
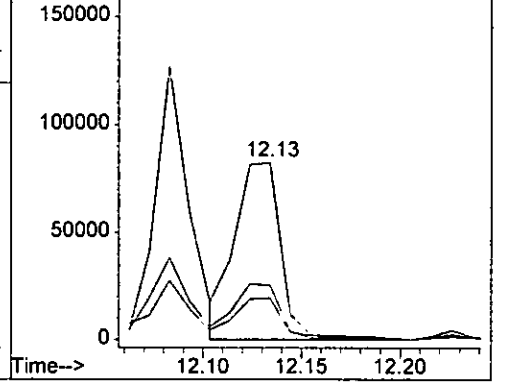
#79
 Chrysene
 Concen: 70.77 ng
 RT: 12.13 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: 4M05737.D
 Acq: 19 Aug 2005 11:22

0452

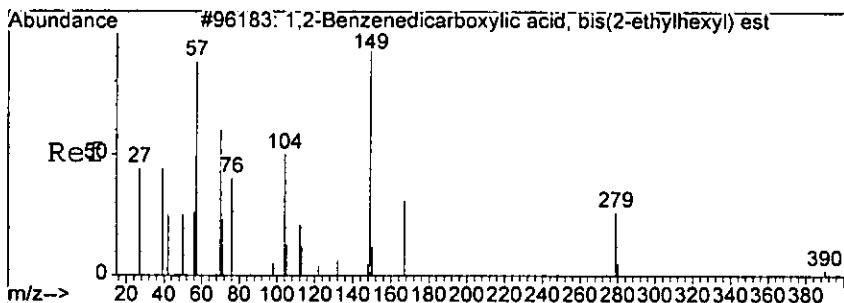
Tgt Ion	Resp	Lower	Upper
228	134330	100	
226	30.7	12.0	52.0
229	22.3	0.0	61.1



Abundance Ion 228.00 (227.70 to 228.70): 4M0573
 Ion 226.00 (225.70 to 226.70): 4M0573
 Ion 229.00 (228.70 to 229.70): 4M0573

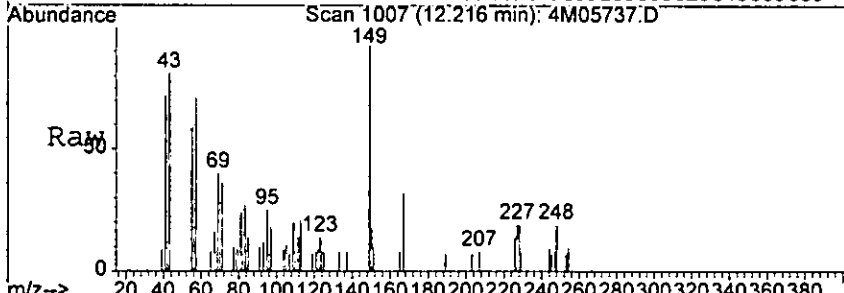


Handwritten signature: Khar

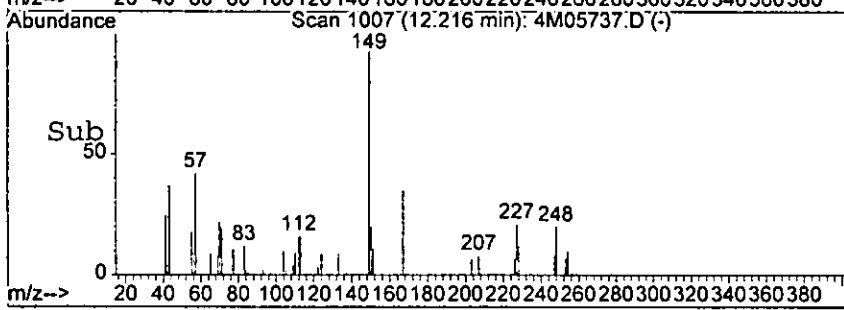
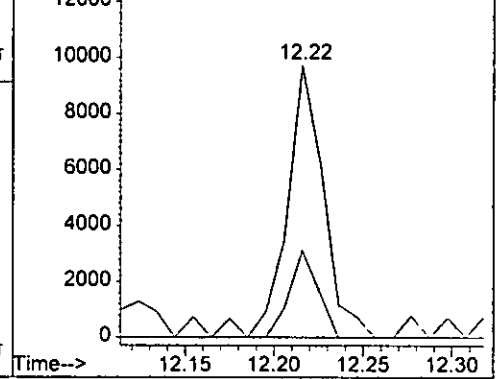


#80
 bis(2-Ethylhexyl)phthalate
 Concen: 8.58 ng
 RT: 12.22 min Scan# 1007
 Delta R.T. -0.01 min
 Lab File: 4M05737.D
 Acq: 19 Aug 2005 11:22

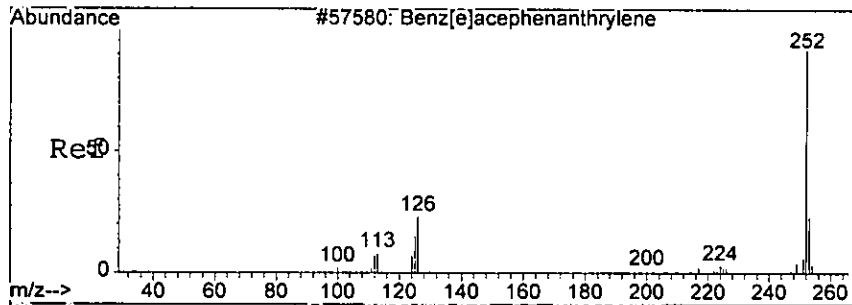
Tgt Ion	Ratio	Lower	Upper
149	100		
167	32.2	0.0	53.9
279	0.0	0.0	43.5



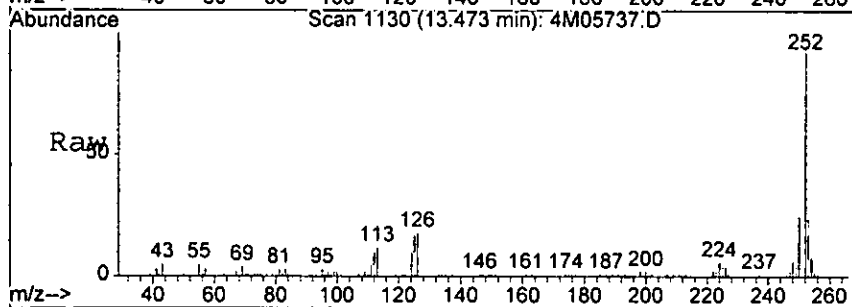
Abundance Ion 149.00 (148.70 to 149.70): 4M0573
 Ion 167.00 (166.70 to 167.70): 4M0573
 Ion 279.00 (278.70 to 279.70): 4M0573



hsar

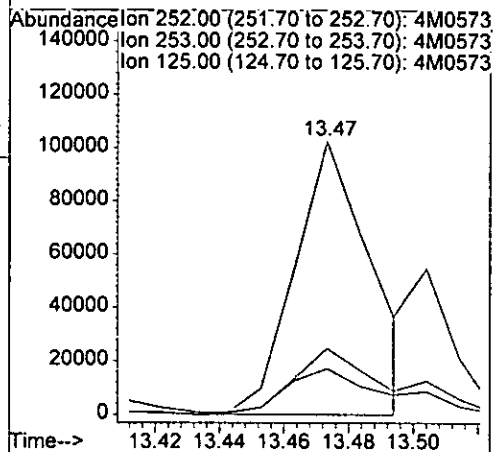
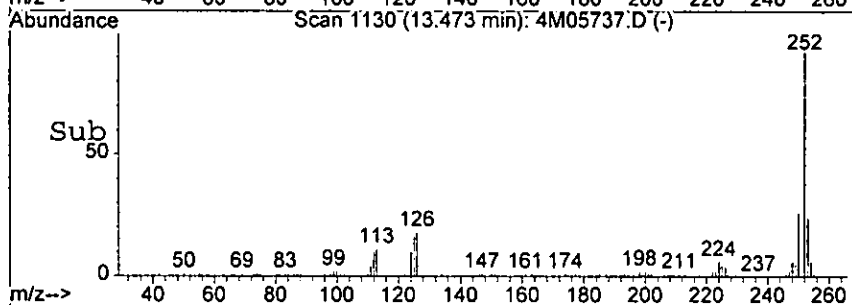


#83
 Benzo [b] fluoranthene
 Concen: 116.86 ng m
 RT: 13.47 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: 4M05737.D
 Acq: 19 Aug 2005 11:22

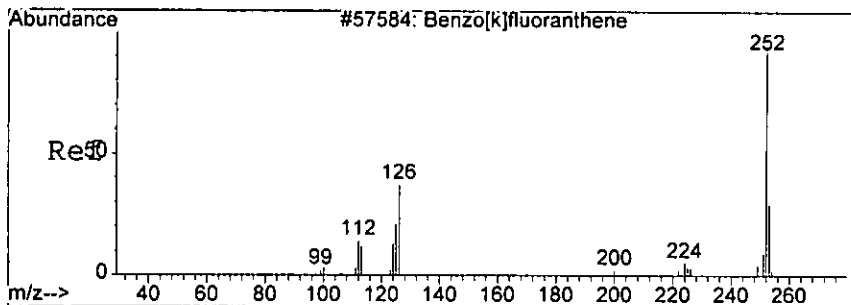


Tgt Ion: 252 Resp: 166595

Ion	Ratio	Lower	Upper
252	100		
253	24.2	0.0	63.3
125	16.7	0.0	57.6



Handwritten signature

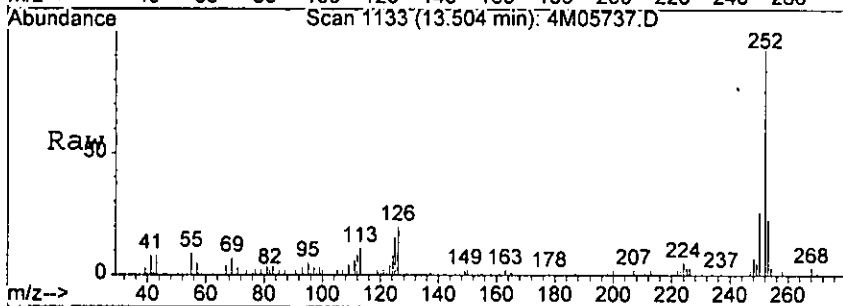


#84
 Benzo[k]fluoranthene
 Concen: 39.35 ng m
 RT: 13.50 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: 4M05737.D
 Acq: 19 Aug 2005 11:22

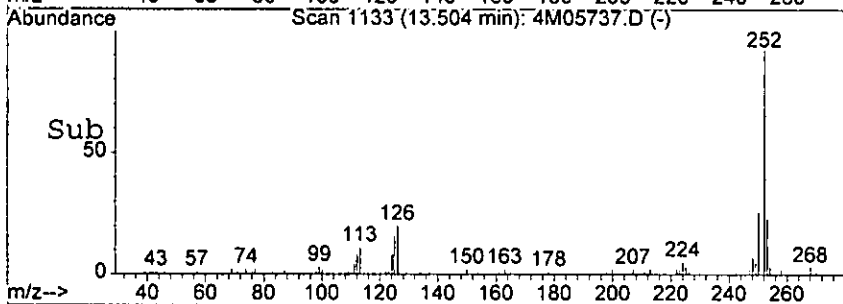
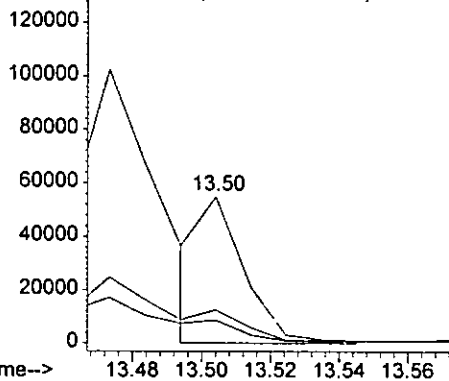
0.055

Tgt Ion: 252 Resp: 49967

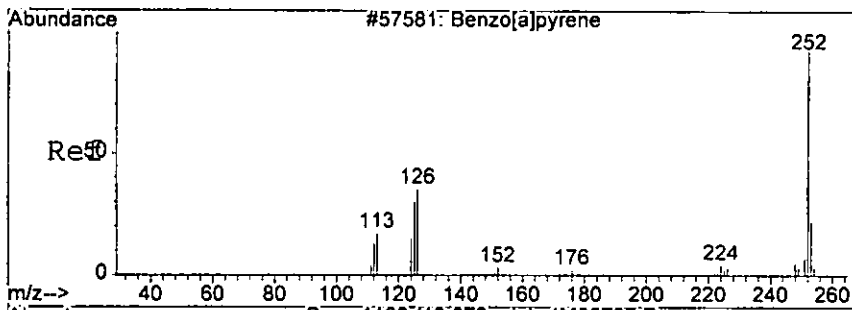
Ion	Ratio	Lower	Upper
252	100		
253	22.9	0.0	63.5
125	15.6	0.0	53.8



Abundance Ion 252.00 (251.70 to 252.70): 4M0573
 140000 Ion 253.00 (252.70 to 253.70): 4M0573
 Ion 125.00 (124.70 to 125.70): 4M0573



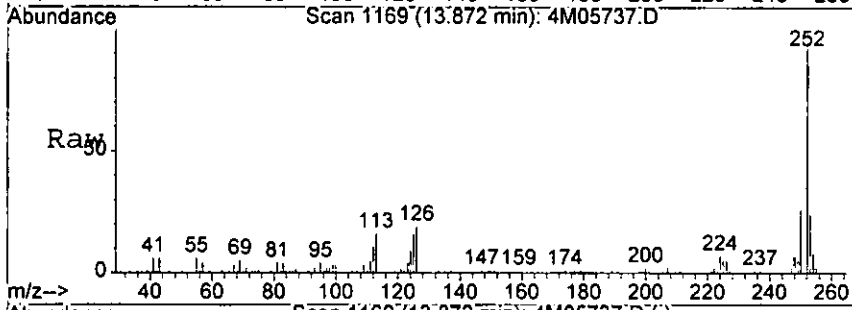
hear



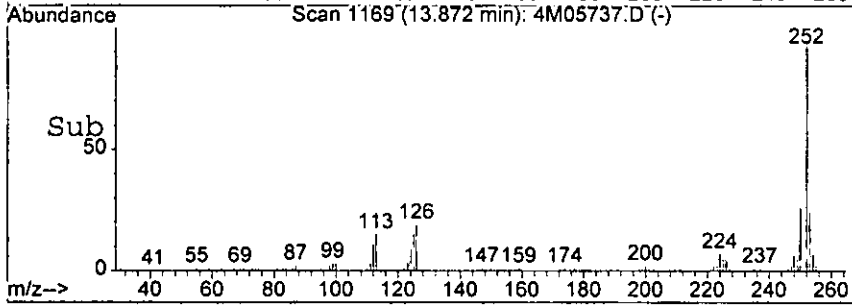
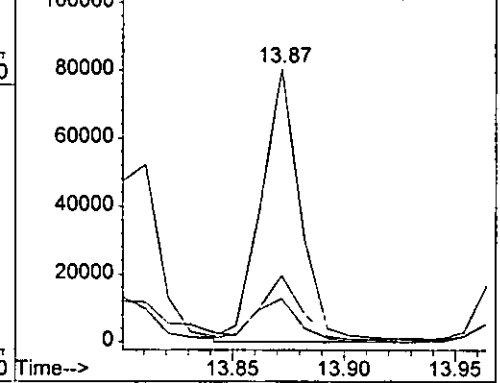
#85
 Benzo[a]pyrene
 Concen: 76.99 ng
 RT: 13.87 min Scan# 1169
 Delta R.T. 0.00 min
 Lab File: 4M05737.D
 Acq: 19 Aug 2005 11:22

888

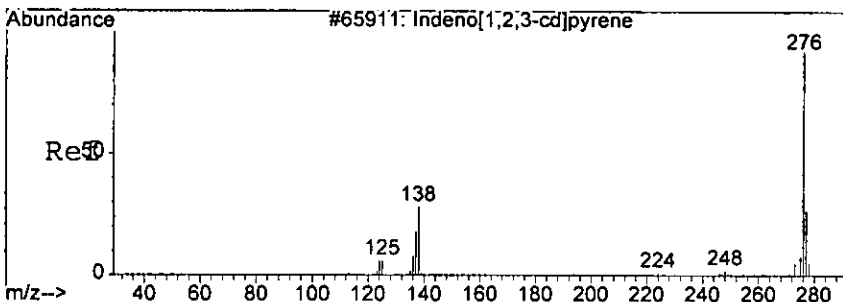
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	0.0	62.9
125	14.8	0.0	57.6



Abundance Ion 252.00 (251.70 to 252.70): 4M0573
 Ion 253.00 (252.70 to 253.70): 4M0573
 Ion 125.00 (124.70 to 125.70): 4M0573



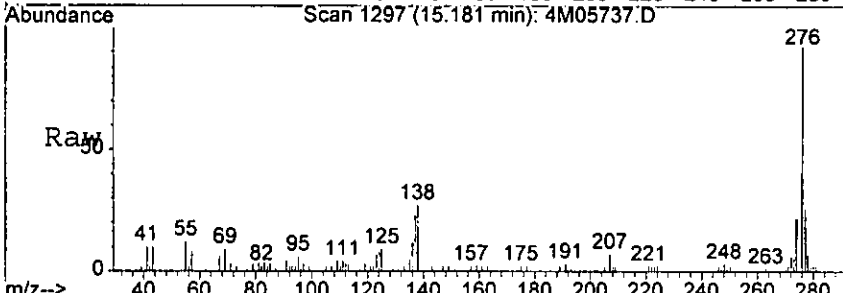
Handwritten signature



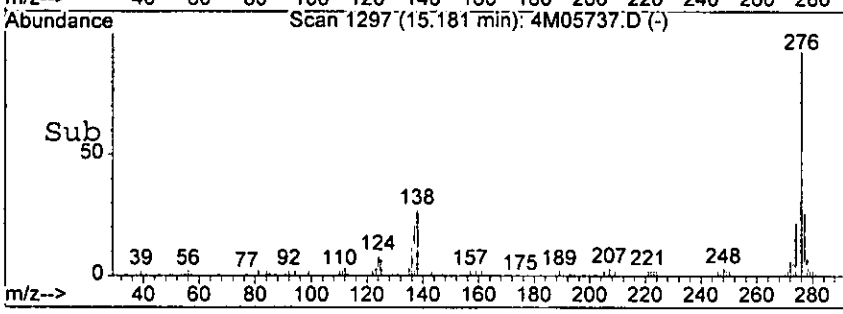
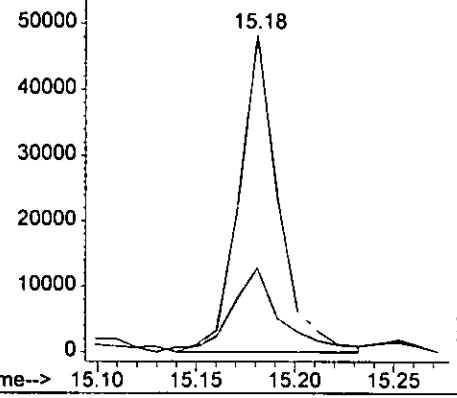
#86
 Indeno[1,2,3-cd]pyrene
 Concen: 43.58 ng
 RT: 15.18 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: 4M05737.D
 Acq: 19 Aug 2005 11:22

0407

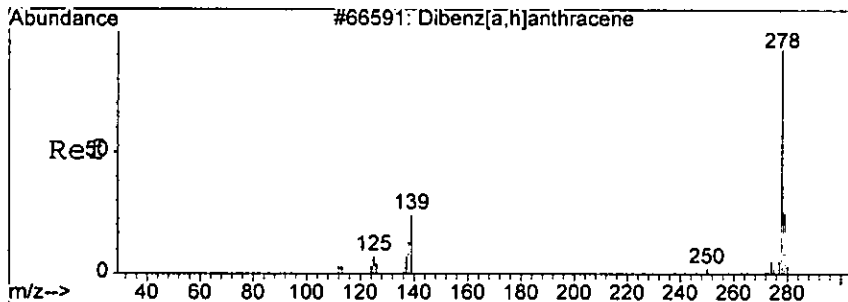
Tgt Ion: 276 Resp: 67233
 Ion Ratio Lower Upper
 276 100
 138 25.0 0.0 73.4



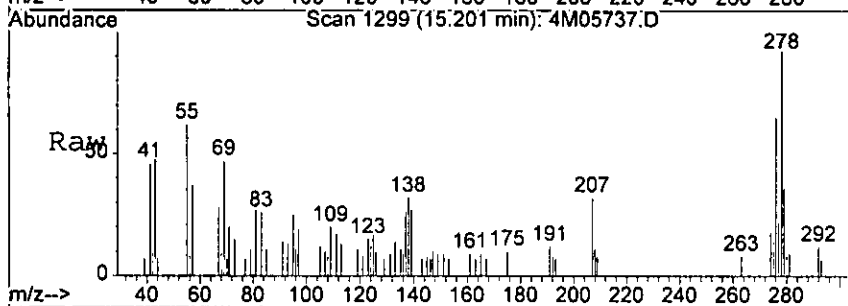
Abundance Ion 276.00 (275.70 to 276.70): 4M0573
 Ion 138.00 (137.70 to 138.70): 4M0573



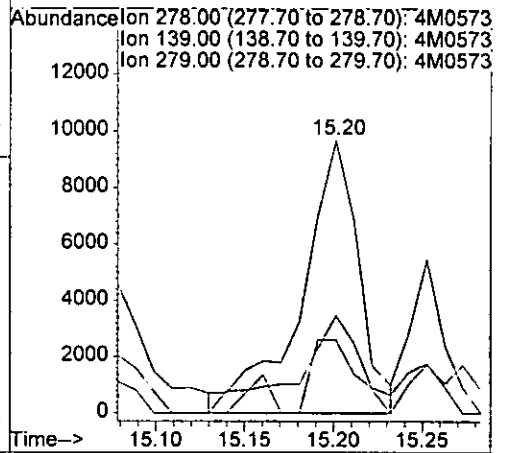
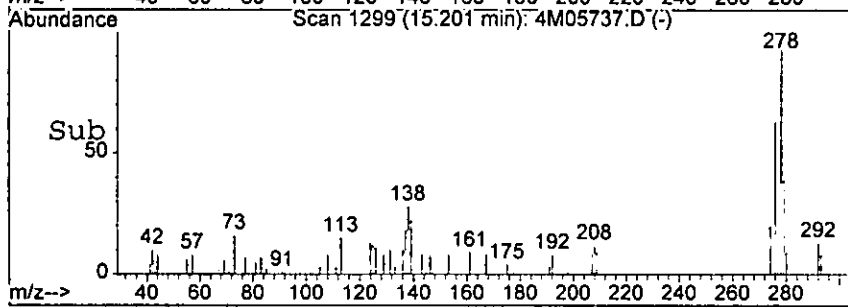
hpr



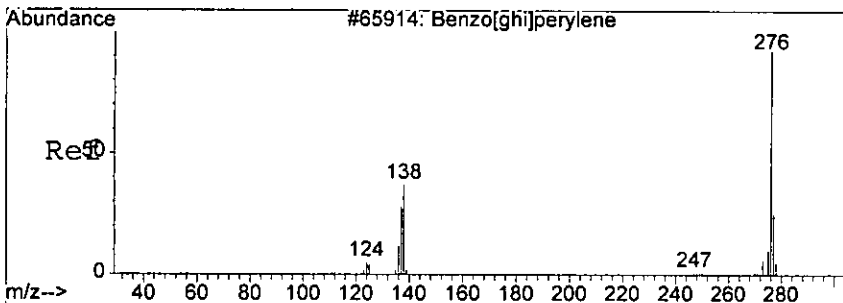
#87
 Dibenzo[a,h]anthracene
 Concen: 17.99 ng
 RT: 15.20 min Scan# 1299
 Delta R.T. 0.00 min
 Lab File: 4M05737.D
 Acq: 19 Aug 2005 11:22



Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.1	0.0	63.8
279	38.6	0.0	64.0



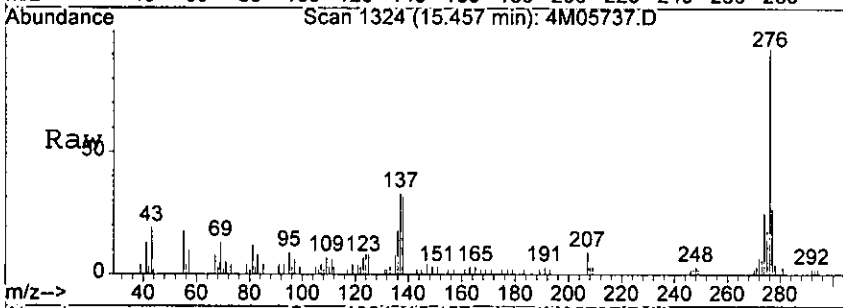
handwritten signature



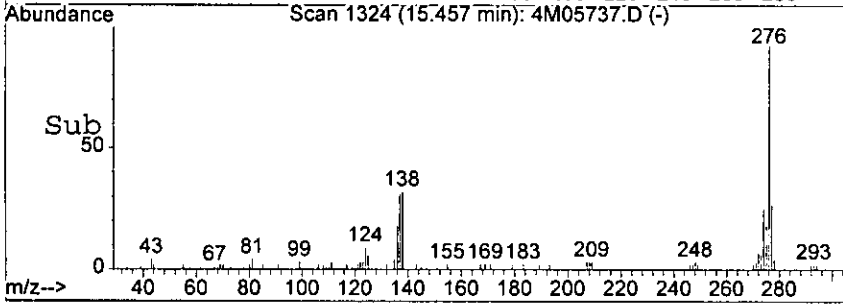
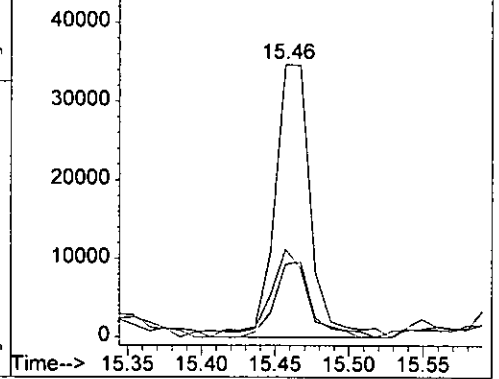
#88
 Benzo[g,h,i]perylene
 Concen: 46.72 ng
 RT: 15.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: 4M05737.D
 Acq: 19 Aug 2005 11:22

0459

Tgt Ion	Resp	Lower	Upper
276	59374	100	
138	30.0	0.0	74.1
277	26.9	0.0	65.0



Abundance Ion 276.00 (275.70 to 276.70): 4M0573
 Ion 138.00 (137.70 to 138.70): 4M0573
 Ion 277.00 (276.70 to 277.70): 4M0573



Handwritten signature

Form1

ORGANICS SEMIVOLATILE REPORT

0470

Sample Number: AC19099-003
 Client Id: PCSB - 56 (6.5)
 Data File: 4M05714.D
 Analysis Date: 08/18/05 17:36
 Date Rec/Extracted: 08/16/05-08/17/05

Matrix: Soil
 Initial Vol: 30g
 Final Vol: 1ml
 Dilution: 1
 Solids: 53

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.017	U	205-99-2	Benzo[b]fluoranthene	0.019	1.8
95-50-1	1,2-Dichlorobenzene	0.029	U	191-24-2	Benzo[g,h,i]perylene	0.012	0.59
122-66-7	1,2-Diphenylhydrazine	0.018	U	207-08-9	Benzo[k]fluoranthene	0.020	0.42
541-73-1	1,3-Dichlorobenzene	0.026	U	111-91-1	bis(2-Chloroethoxy)methan	0.014	U
106-46-7	1,4-Dichlorobenzene	0.032	U	111-44-4	bis(2-Chloroethyl)ether	0.033	U
95-95-4	2,4,5-Trichlorophenol	0.85	U	108-60-1	bis(2-chloroisopropyl)ether	0.020	U
88-06-2	2,4,6-Trichlorophenol	1.5	U	117-81-7	bis(2-Ethylhexyl)phthalat	0.057	0.16
120-83-2	2,4-Dichlorophenol	0.10	U	85-68-7	Butylbenzylphthalate	0.025	U
105-67-9	2,4-Dimethylphenol	0.087	U	86-74-8	Carbazole	0.019	U
51-28-5	2,4-Dinitrophenol	0.43	U	218-01-9	Chrysene	0.013	1.4
121-14-2	2,4-Dinitrotoluene	0.023	U	84-74-2	Di-n-butylphthalate	0.014	0.13 B
606-20-2	2,6-Dinitrotoluene	0.026	U	117-84-0	Di-n-octylphthalate	0.015	U
91-58-7	2-Chloronaphthalene	0.017	U	53-70-3	Dibenzo[a,h]anthracene	0.022	0.24
95-57-8	2-Chlorophenol	0.13	U	132-64-9	Dibenzofuran	0.080	0.19
91-57-6	2-Methylnaphthalene	0.081	0.97	84-66-2	Diethylphthalate	0.017	0.064
95-48-7	2-Methylphenol	0.30	U	131-11-3	Dimethylphthalate	0.014	U
88-74-4	2-Nitroaniline	0.044	U	206-44-0	Fluoranthene	0.018	1.9
88-75-5	2-Nitrophenol	0.073	U	86-73-7	Fluorene	0.016	0.46
106-44-5	3&4-Methylphenol	0.33	0.35	118-74-1	Hexachlorobenzene	0.029	U
91-94-1	3,3'-Dichlorobenzidine	0.14	U	87-68-3	Hexachlorobutadiene	0.027	U
99-09-2	3-Nitroaniline	0.26	U	77-47-4	Hexachlorocyclopentadiene	0.17	U
534-52-1	4,6-Dinitro-2-methylphenol	0.12	U	67-72-1	Hexachloroethane	0.047	U
101-55-3	4-Bromophenyl-phenylether	0.024	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.0087	0.51
59-50-7	4-Chloro-3-methylphenol	0.16	U	78-59-1	Isophorone	0.019	U
106-47-8	4-Chloroaniline	0.49	U	621-64-7	N-Nitroso-di-n-propylamine	0.030	U
7005-72-3	4-Chlorophenyl-phenylether	0.029	U	62-75-9	N-Nitrosodimethylamine	0.74	U
100-01-6	4-Nitroaniline	0.16	U	86-30-6	n-Nitrosodiphenylamine	0.030	U
100-02-7	4-Nitrophenol	0.11	U	91-20-3	Naphthalene	0.015	1.5
83-32-9	Acenaphthene	0.026	0.29	98-95-3	Nitrobenzene	0.025	U
208-96-8	Acenaphthylene	0.015	0.21	87-86-5	Pentachlorophenol	0.078	U
120-12-7	Anthracene	0.016	0.49	85-01-8	Phenanthrene	0.014	0.86
92-87-5	Benzidine	0.14	U	108-95-2	Phenol	0.096	U
56-55-3	Benzo[a]anthracene	0.011	1.4	129-00-0	Pyrene	0.015	4.1
50-32-8	Benzo[a]pyrene	0.014	1.4				

Worksheet #: 18797

Total Target Concentration 19.434

U - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

Data File : G:\GcMsData\2005\Gcms_4\Data\08-18-05\4M05714.D Vial: 1671
 Acq On : 18 Aug 2005 17:36 Operator: AHD
 Sample : AC19099-003 Inst : GCMS_4
 Misc : S,BNA Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:15 2005

Quant Results File: 4M_0818.RES

Quant Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration
 DataAcq Meth : 4M_0818

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.79	152	74643	40.00	ng	0.00
19) Naphthalene-d8	5.78	136	245487	40.00	ng	0.00
35) Acenaphthene-d10	7.32	164	142854	40.00	ng	0.00
59) Phenanthrene-d10	8.93	188	249322	40.00	ng	0.02
72) Chrysene-d12	12.11	240	138876	40.00	ng	0.02
81) Perylene-d12	13.95	264	66896	40.00	ng	0.02

System Monitoring Compounds

4) 2-Fluorophenol	3.63	112	330760	160.22	ng	0.02
Spiked Amount	200.000		Recovery	=	80.11%	
7) Phenol-d5	4.51	99	463820	177.87	ng	0.00
Spiked Amount	200.000		Recovery	=	88.94%	
20) Nitrobenzene-d5	5.23	128	102244	90.10	ng	0.00
Spiked Amount	100.000		Recovery	=	90.10%	
40) 2-Fluorobiphenyl	6.69	172	328254	72.74	ng	0.00
Spiked Amount	100.000		Recovery	=	72.74%	
62) 2,4,6-Tribromophenol	8.16	332	181260	179.57	ng	0.02
Spiked Amount	200.000		Recovery	=	89.79%	
75) Terphenyl-d14	10.83	244	356676	109.36	ng	0.02
Spiked Amount	100.000		Recovery	=	109.36%	

Target Compounds

						Qvalue
18) 3&4-Methylphenol	5.14	108	11490	5.58	ng	99
29) Naphthalene	5.79	128	142875	24.56	ng	99
33) 2-Methylnaphthalene	6.36	142	61037	15.50	ng	96
46) Acenaphthylene	7.19	152	21277	3.35	ng	95
49) Acenaphthene	7.36	153	18252	4.61	ng	96
52) Dibenzofuran	7.54	168	16833	2.98	ng	89
55) Fluorene	7.90	166	31367	7.34	ng	98
57) Diethylphthalate	7.79	149	5166	1.01	ng	89
67) Phenanthrene	8.95	178	88767	13.68	ng	98
68) Anthracene	9.01	178	50694	7.77	ng	94
70) Di-n-butylphthalate	9.65	149	18329	2.09	ng	88
71) Fluoranthene	10.35	202	214830	30.53	ng	85
73) Pyrene	10.61	202	313301	65.84	ng	93
78) Benzo[a]anthracene	12.10	228	96823	22.26	ng	92
79) Chrysene	12.14	228	89196	21.56	ng	97
80) bis(2-Ethylhexyl)phthalate	12.24	149	9098	2.55	ng	83
83) Benzo[b]fluoranthene	13.48	252	70411m	28.65	ng	
84) Benzo[k]fluoranthene	13.52	252	14769m	6.75	ng	
85) Benzo[a]pyrene	13.88	252	49879	22.50	ng	98

(#) = qualifier out of range (m) = manual integration

NRAT

1078

Data File : G:\GcMsData\2005\Gcms_4\Data\08-18-05\4M05714.D Vial: 1
 Acq On : 18 Aug 2005 17:36 Operator: AHD
 Sample : AC19099-003 Inst : GCMS_4
 Misc : S,BNA Multiplr: 1.00

MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:15 2005

Quant Results File: 4M_0818.RES

Quant Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration
 DataAcq Meth : 4M_0818

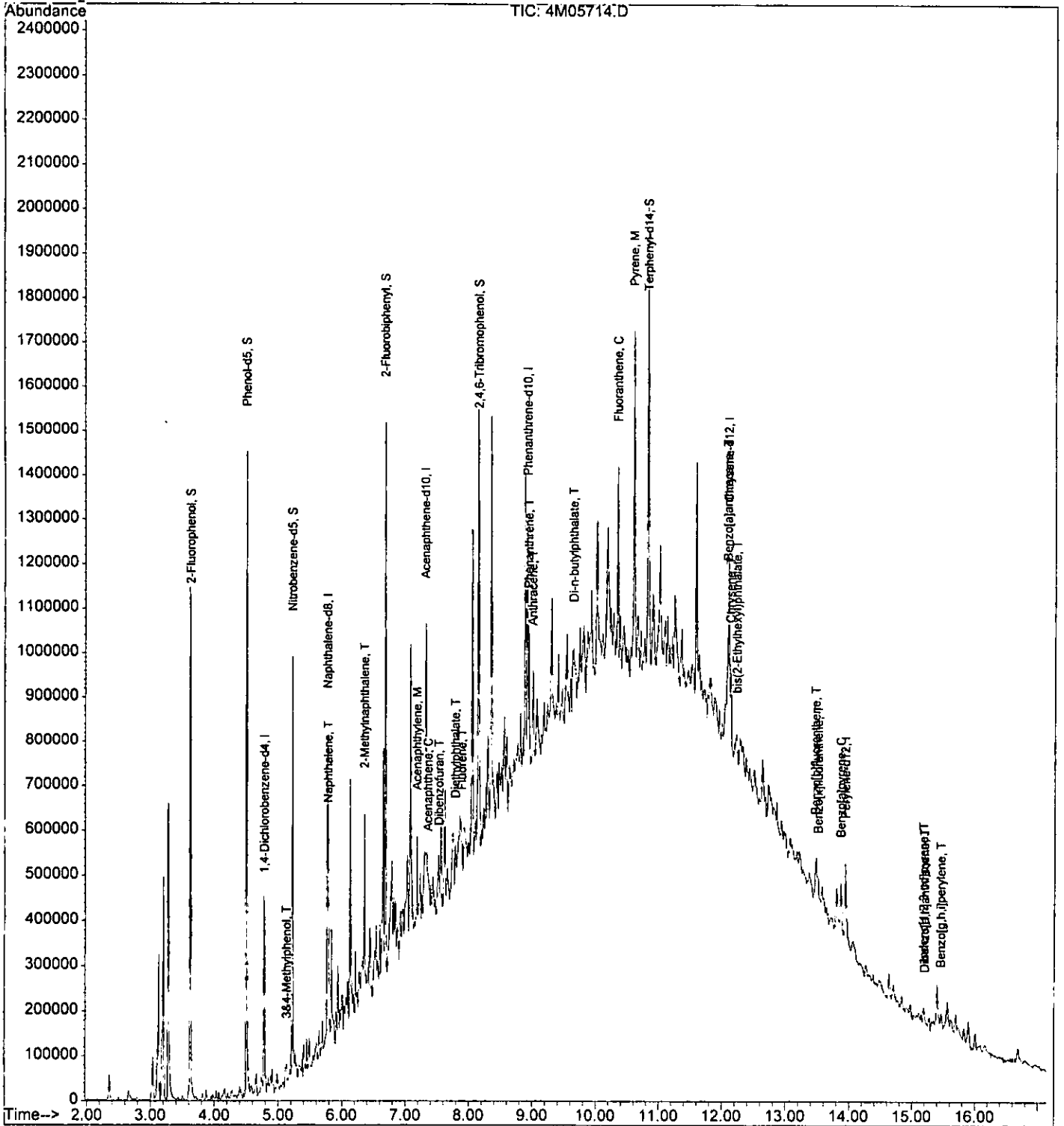
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
86) Indeno[1,2,3-cd]pyrene	15.19	276	21446	8.06	ng	84
87) Dibenzo[a,h]anthracene	15.21	278	8000	3.85	ng	85
88) Benzo[g,h,i]perylene	15.46	276	20522	9.37	ng	95

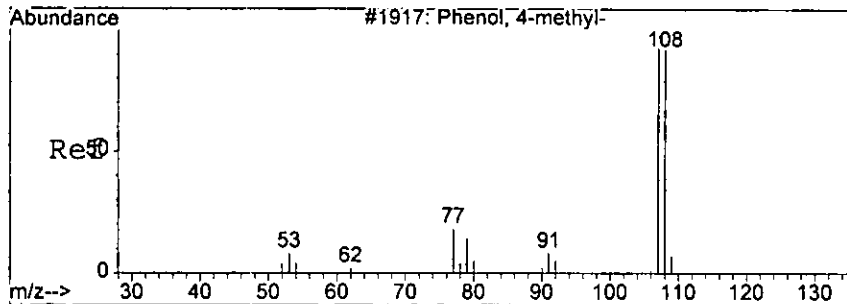
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : G:\GcMsData\2005\Gcms_4\Data\08-18-05\4M05714.D Vial: 1
 Acq On : 18 Aug 2005 17:36 Operator: AHD
 Sample : AC19099-003 Inst : GCMS_4
 Misc : S,BNA Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:15 2005 Quant Results File: 4M_0818.RES

Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration

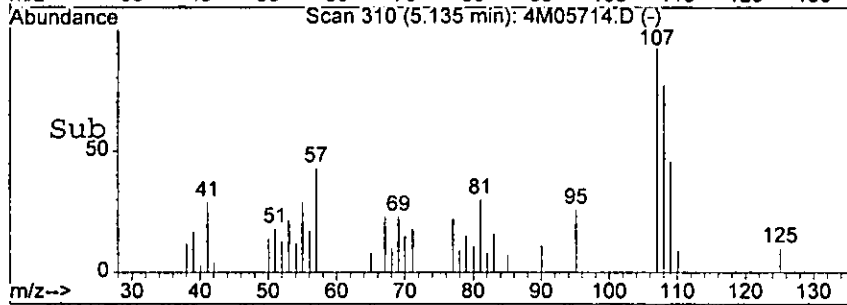
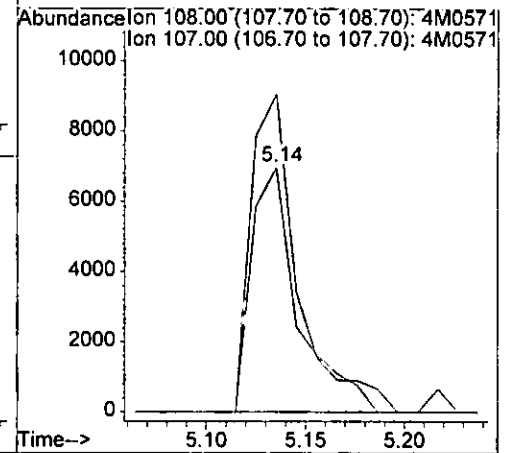
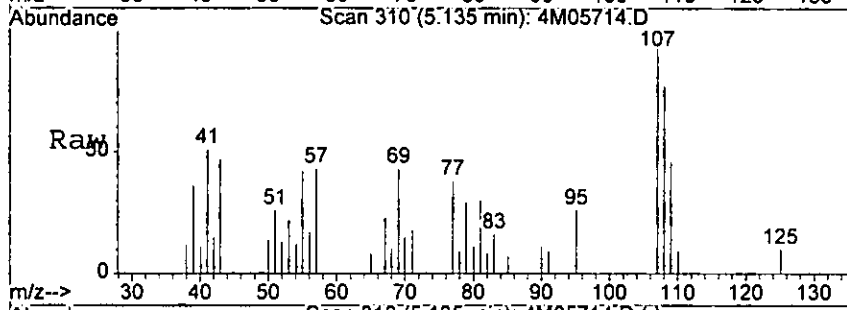




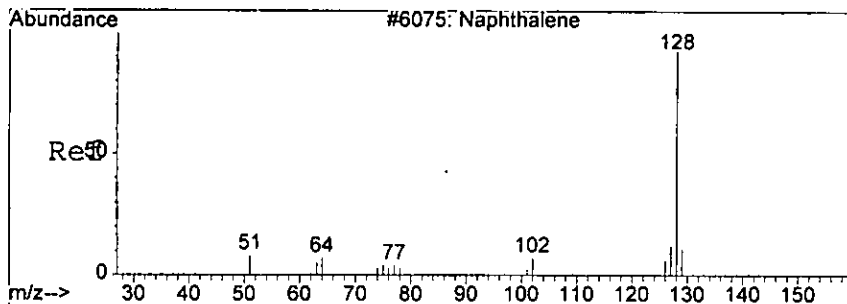
#18
 3&4-Methylphenol
 Concen: 5.58 ng
 RT: 5.14 min Scan# 310
 Delta R.T. 0.02 min
 Lab File: 4M05714.D
 Acq: 18 Aug 2005 17:36

0.77
 7.70

Tgt Ion:108 Resp: 11490
 Ion Ratio Lower Upper
 108 100 .
 107 130.2 88.9 168.9



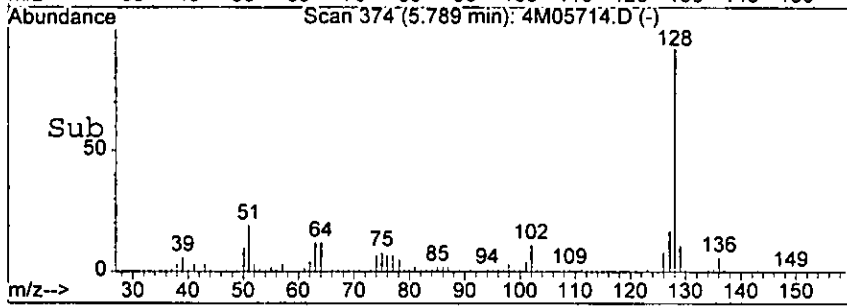
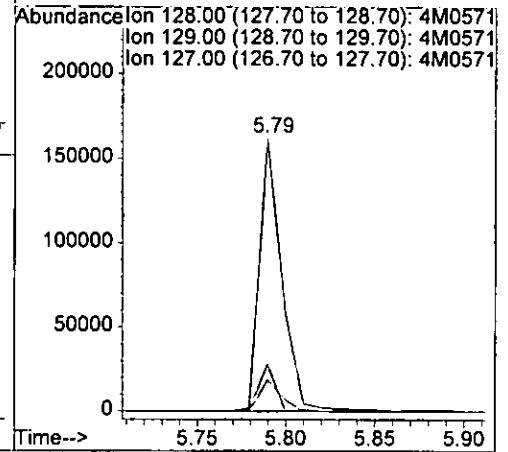
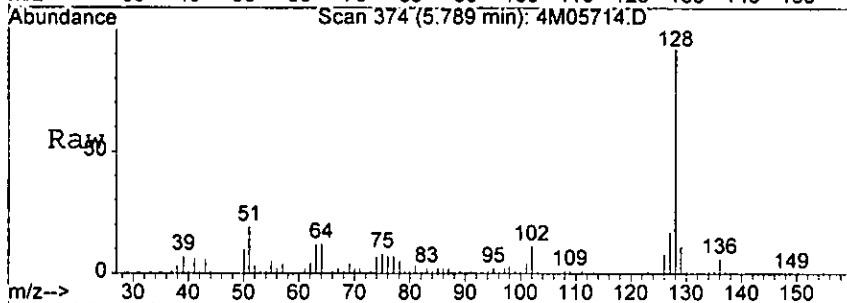
Grar



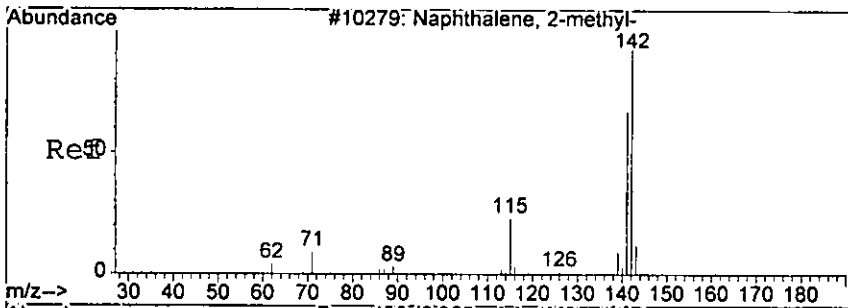
#29
 Naphthalene
 Concen: 24.56 ng
 RT: 5.79 min Scan# 374
 Delta R.T. -0.01 min
 Lab File: 4M05714.D
 Acq: 18 Aug 2005 17:36

04775

Tgt Ion	Resp	Lower	Upper
128	142875	100	
129	11.4	0.0	51.8
127	17.4	0.0	57.0



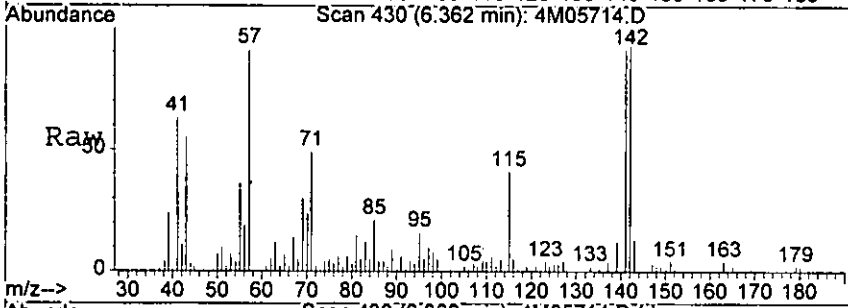
Lead



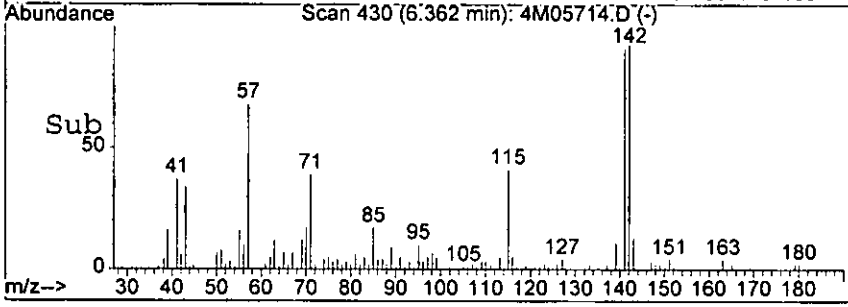
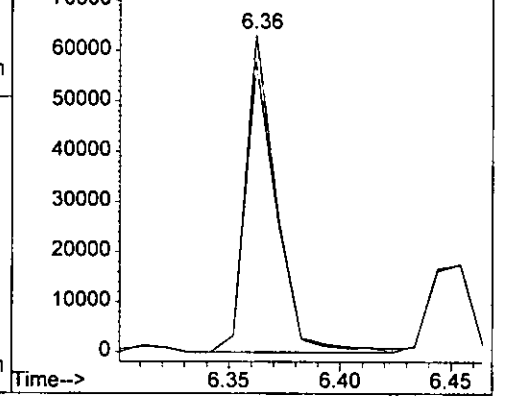
#33
 2-Methylnaphthalene
 Concen: 15.50 ng
 RT: 6.36 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: 4M05714.D
 Acq: 18 Aug 2005 17:36

0.75

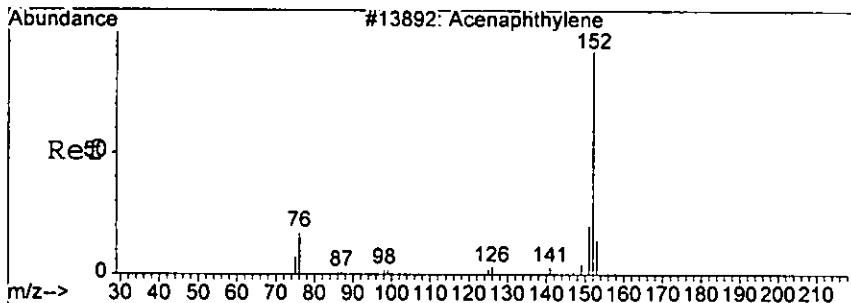
Tgt Ion:142 Resp: 61037
 Ion Ratio Lower Upper
 142 100
 141 91.5 55.7 135.7



Abundance Ion 142.00 (141.70 to 142.70): 4M0571
 Ion 141.00 (140.70 to 141.70): 4M0571



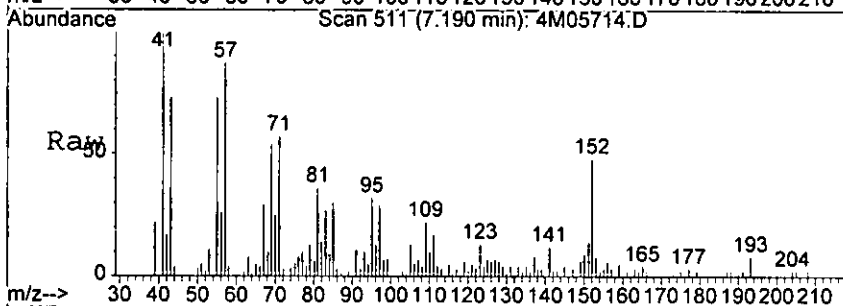
Handwritten signature



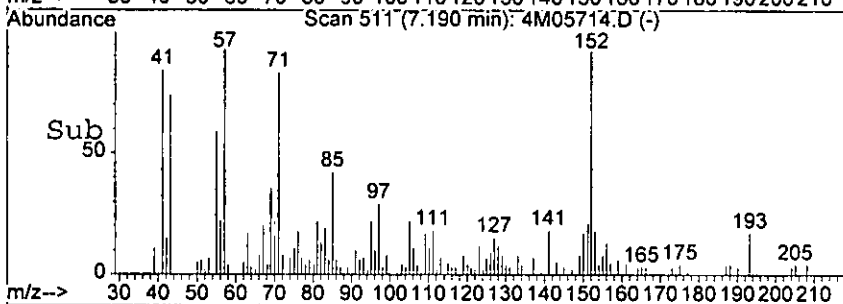
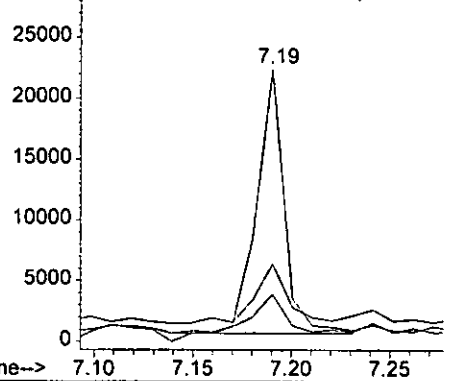
#46
 Acenaphthylene
 Concen: 3.35 ng
 RT: 7.19 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: 4M05714.D
 Acq: 18 Aug 2005 17:36

0.77

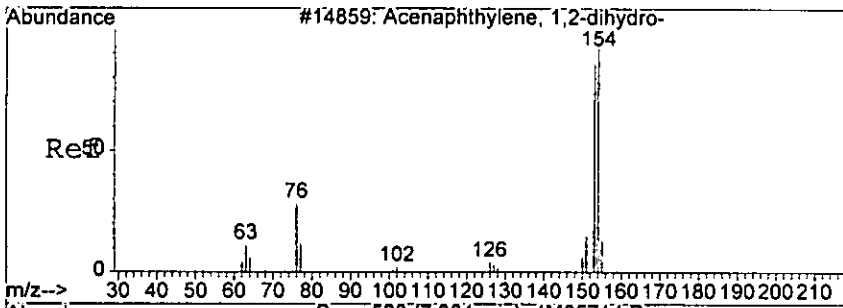
Tgt Ion	Resp	Lower	Upper
152	21277		
151	22.5	0.0	63.6
153	17.9	0.0	53.8



Abundance Ion 152.00 (151.70 to 152.70): 4M05714.D
 Ion 151.00 (150.70 to 151.70): 4M05714.D
 Ion 153.00 (152.70 to 153.70): 4M05714.D



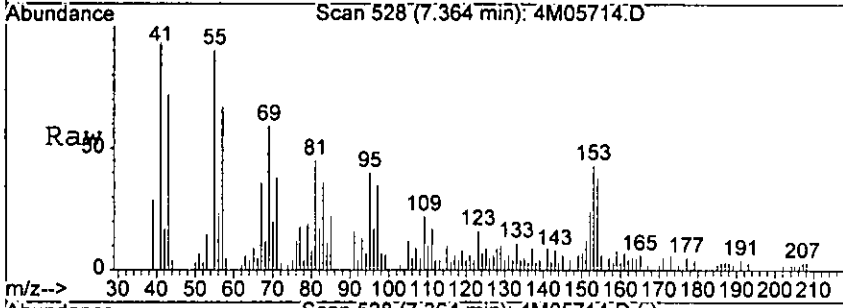
Handwritten signature



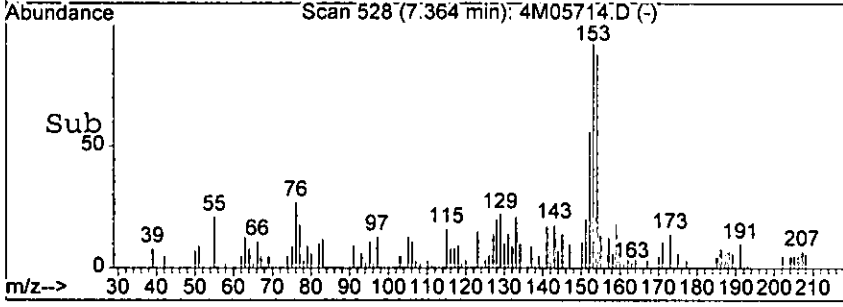
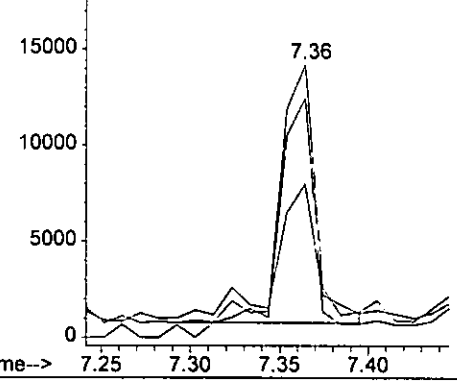
#49
 Acenaphthene
 Concen: 4.61 ng
 RT: 7.36 min Scan# 528
 Delta R.T: 0.00 min
 Lab File: 4M05714.D
 Acq: 18 Aug 2005 17:36

8170

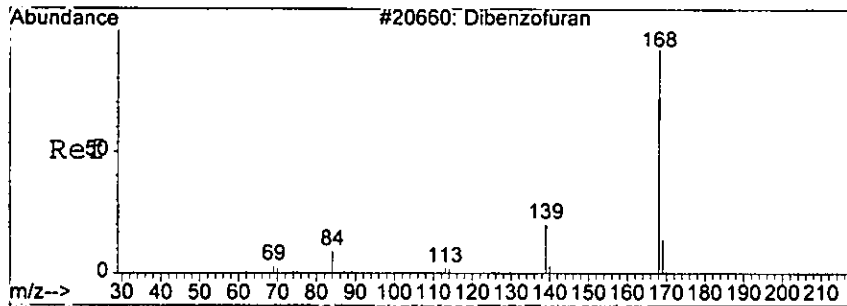
Tgt Ion	Ratio	Lower	Upper
153	100		
152	51.9	8.3	88.3
154	87.8	45.1	125.1



Abundance vs Time plot for three ions:
 Ion 153.00 (152.70 to 153.70): 4M0571
 Ion 152.00 (151.70 to 152.70): 4M0571
 Ion 154.00 (153.70 to 154.70): 4M0571

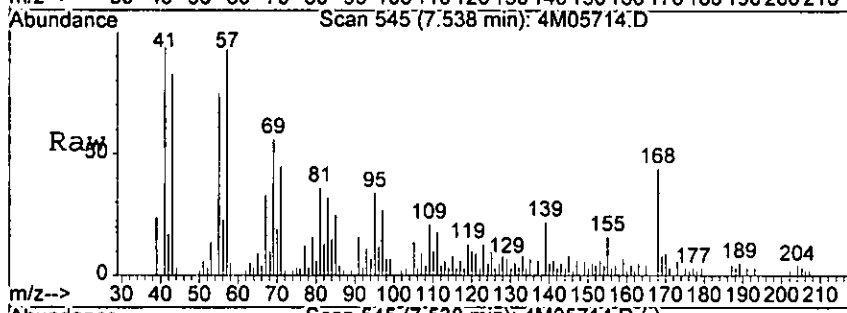


haar

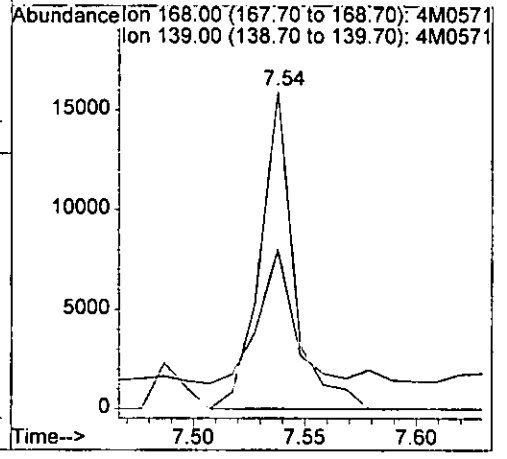
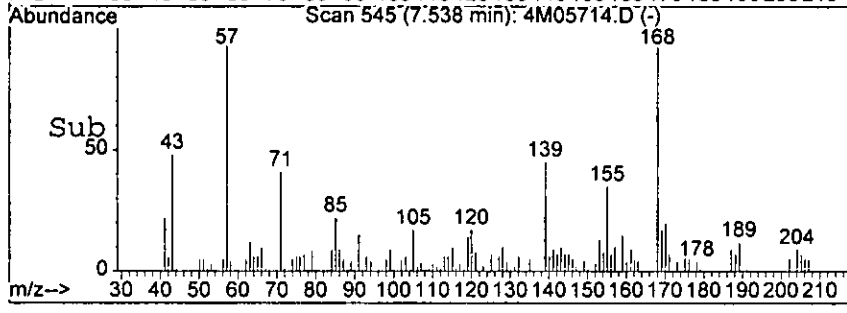


#52
 Dibenzofuran
 Concen: 2.98 ng
 RT: 7.54 min Scan# 545
 Delta R.T. 0.00 min
 Lab File: 4M05714.D
 Acq: 18 Aug 2005 17:36

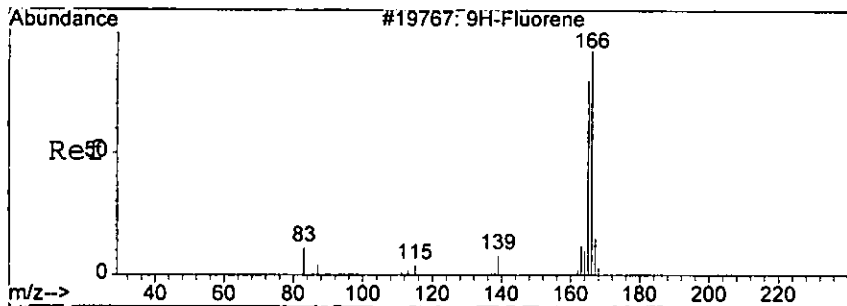
0.479



Tgt Ion: 168 Resp: 16833
 Ion Ratio Lower Upper
 168 100
 139 42.4 6.0 66.0

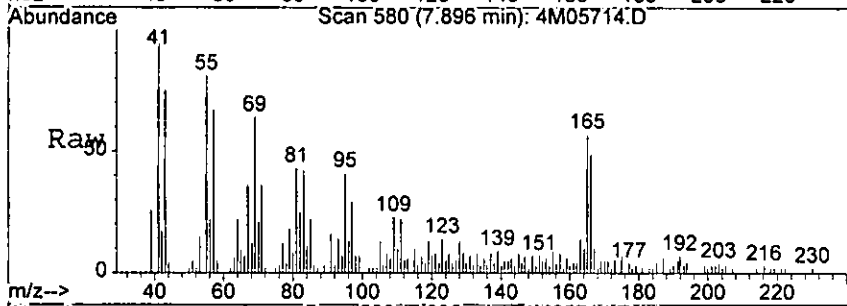


har



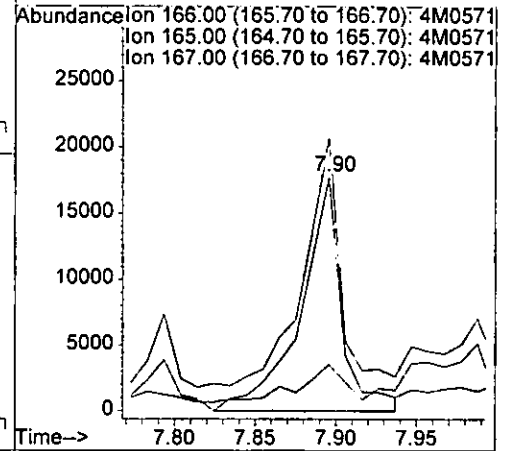
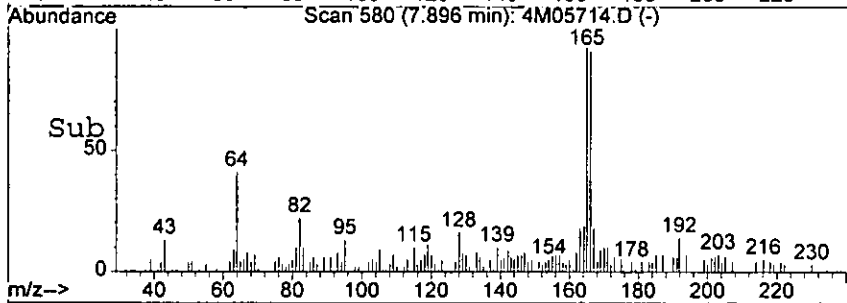
#55
 Fluorene
 Concen: 7.34 ng
 RT: 7.90 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: 4M05714.D
 Acq: 18 Aug 2005 17:36

0870

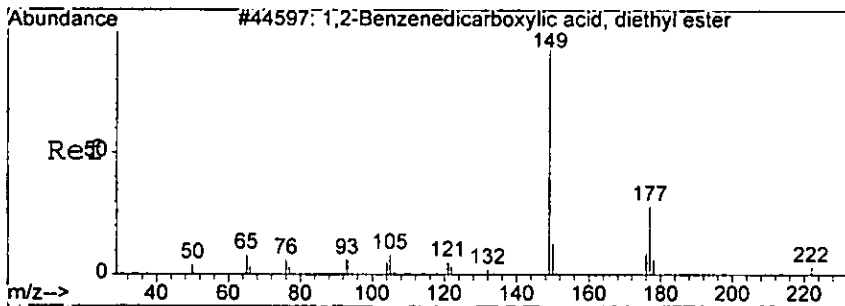


Tgt Ion:166 Resp: 31367

Ion	Ratio	Lower	Upper
166	100		
165	105.2	63.3	143.3
167	16.0	0.0	54.6



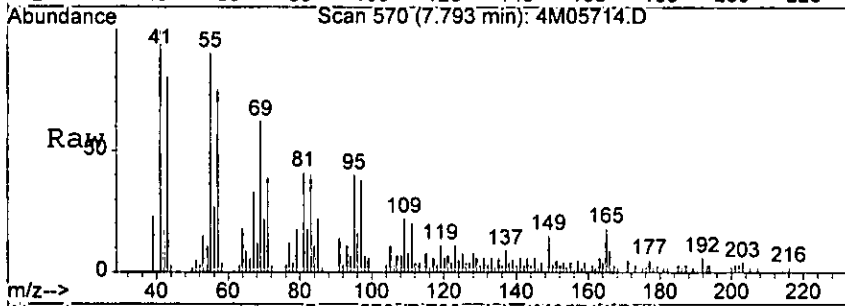
Bar



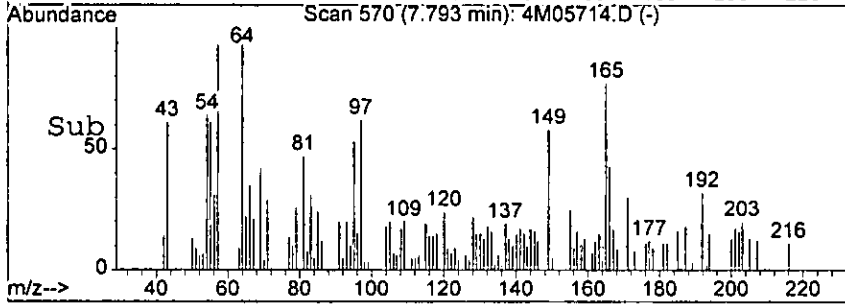
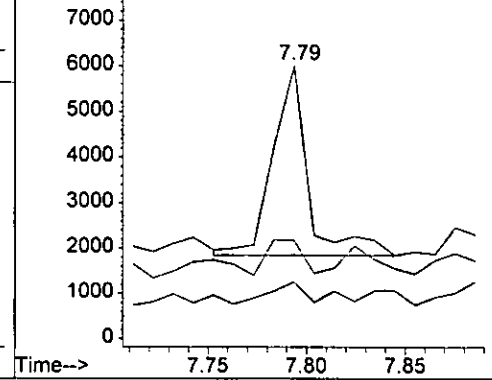
#57
 Diethylphthalate
 Concen: 1.01 ng
 RT: 7.79 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: 4M05714.D
 Acq: 18 Aug 2005 17:36

1878

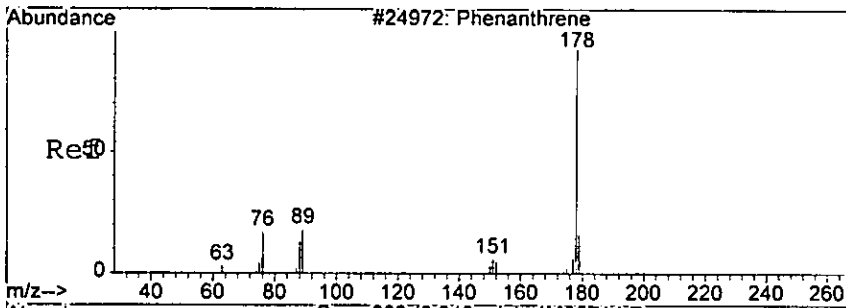
Tgt Ion	Ratio	Lower	Upper
149	100		
177	15.0	0.0	59.8
150	7.1	0.0	52.2



Abundance Ion 149.00 (148.70 to 149.70): 4M0571
 Ion 177.00 (176.70 to 177.70): 4M0571
 Ion 150.00 (149.70 to 150.70): 4M0571



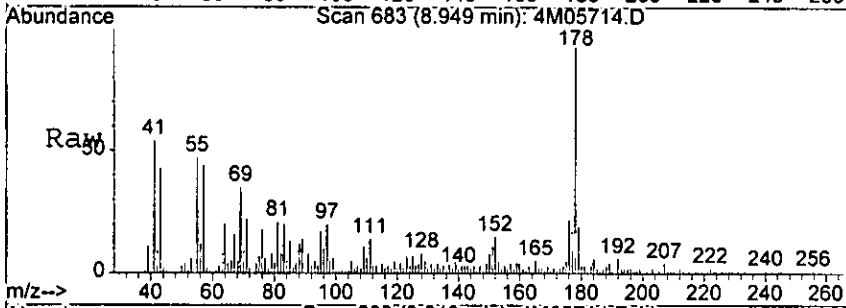
kaar



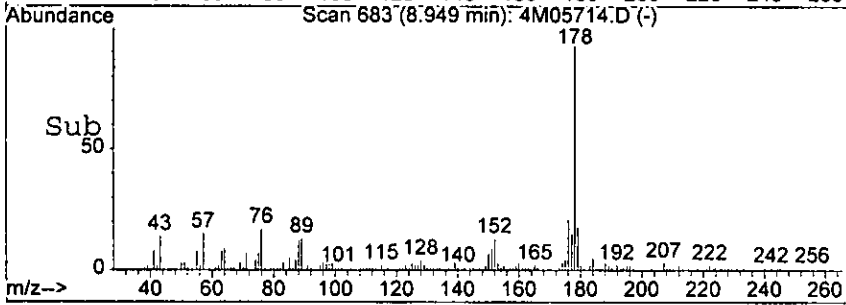
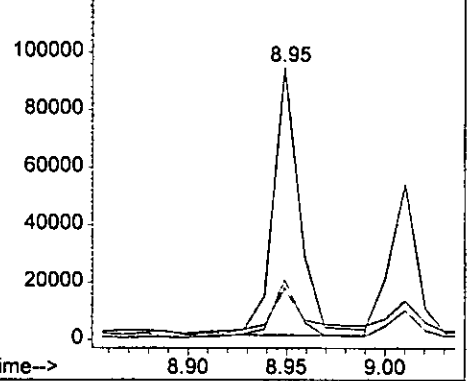
#67
 Phenanthrene
 Concen: 13.68 ng
 RT: 8.95 min Scan# 683
 Delta R.T. 0.00 min
 Lab File: 4M05714.D
 Acq: 18 Aug 2005 17:36

0.882

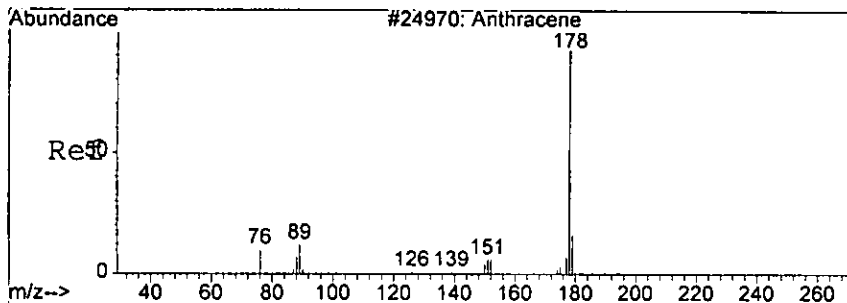
Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.2	0.0	56.6
176	21.5	0.0	60.5



Abundance Ion 178.00 (177.70 to 178.70): 4M0571
 Ion 179.00 (178.70 to 179.70): 4M0571
 Ion 176.00 (175.70 to 176.70): 4M0571

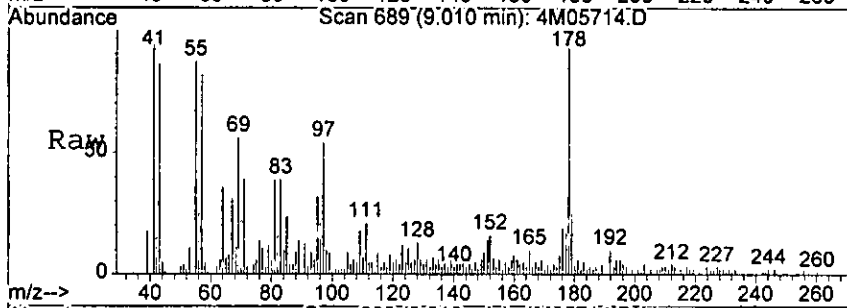


Ngar



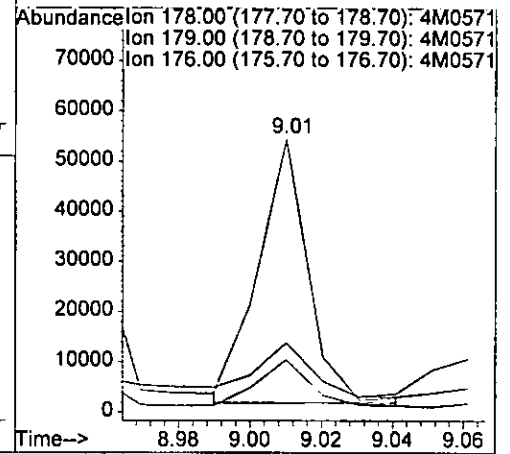
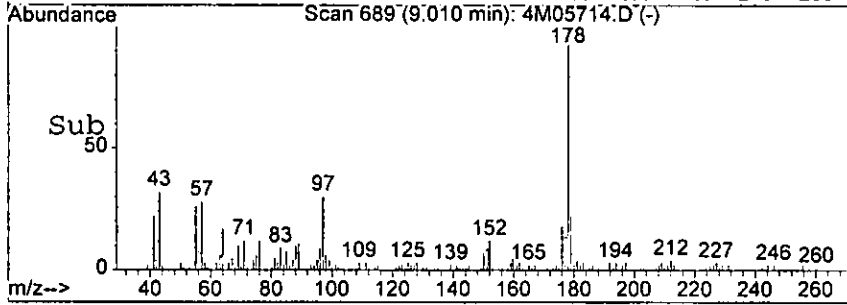
#68
 Anthracene
 Concen: 7.77 ng
 RT: 9.01 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: 4M05714.D
 Acq: 18 Aug 2005 17:36

0683

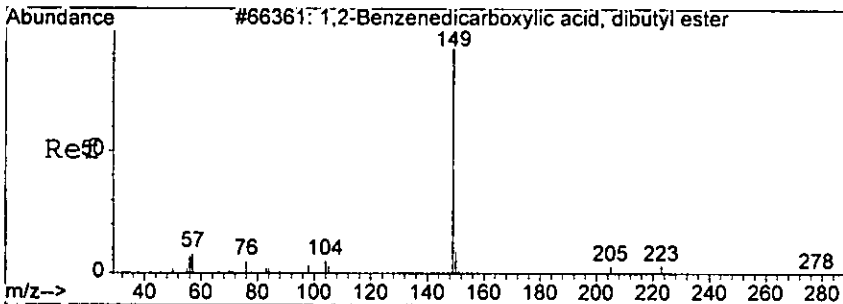


Tgt Ion: 178 Resp: 50694

Ion	Ratio	Lower	Upper
178	100		
179	19.7	0.0	56.6
176	17.6	0.0	60.2



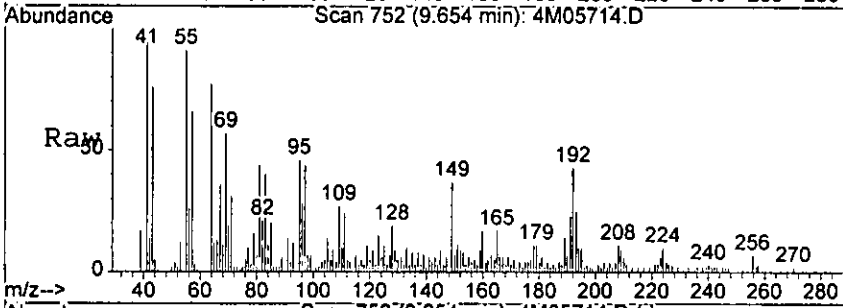
LOAR



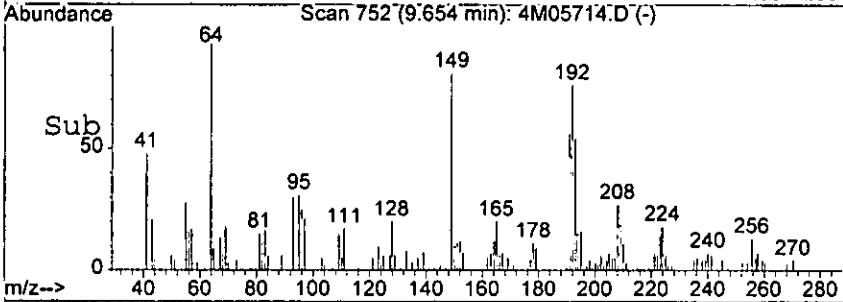
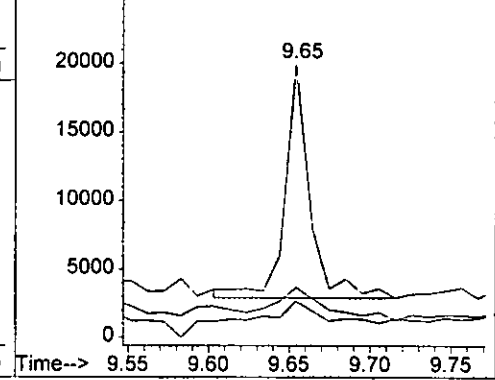
#70
 Di-n-butylphthalate
 Concen: 2.09 ng
 RT: 9.65 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: 4M05714.D
 Acq: 18 Aug 2005 17:36

8878

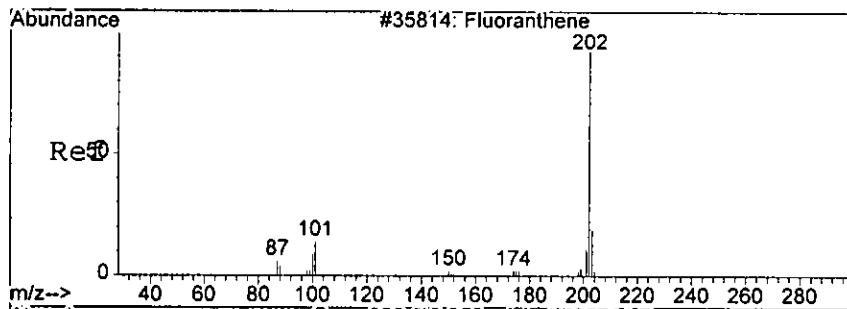
Tgt Ion	Resp	Lower	Upper
149	18329		
149	100		
150	14.1	0.0	49.8
104	8.7	0.0	44.6



Abundance Ion 149.00 (148.70 to 149.70): 4M0571
 Ion 150.00 (149.70 to 150.70): 4M0571
 Ion 104.00 (103.70 to 104.70): 4M0571



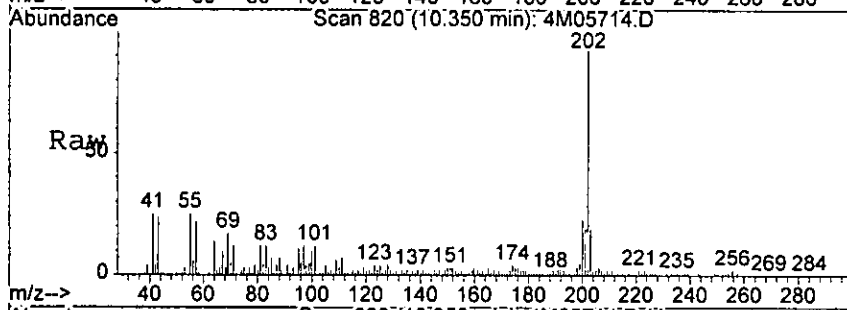
hprw



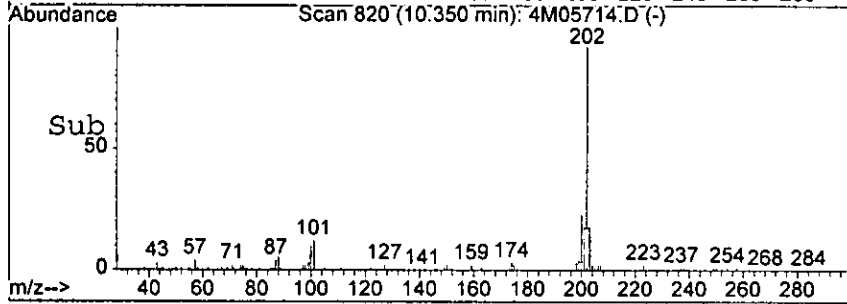
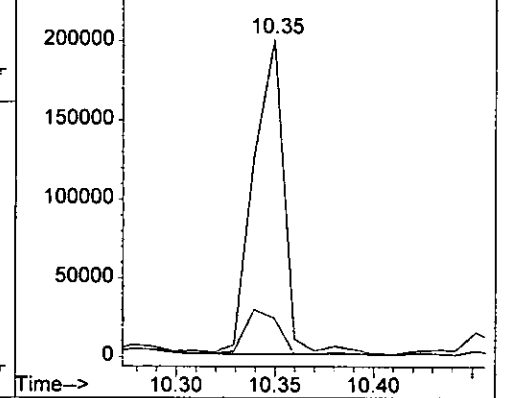
#71
 Fluoranthene
 Concen: 30.53 ng
 RT: 10.35 min Scan# 820
 Delta R.T. 0.03 min
 Lab File: 4M05714.D
 Acq: 18 Aug 2005 17:36

0485

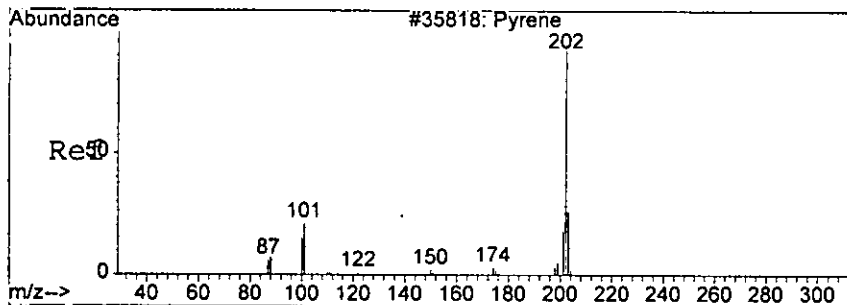
Tgt Ion: 202 Resp: 214830
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 58.3



Abundance Ion 202.00 (201.70 to 202.70): 4M05714.D
 Ion 101.00 (100.70 to 101.70): 4M05714.D



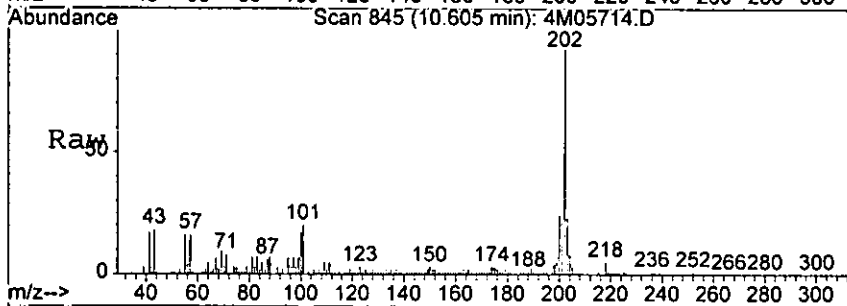
Handwritten signature



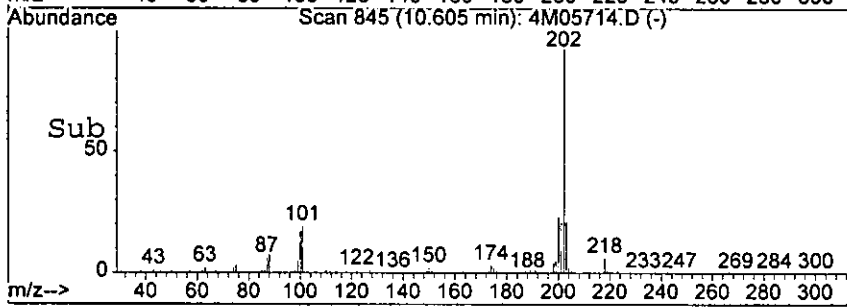
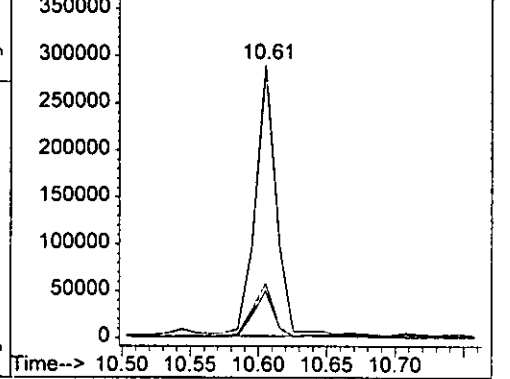
#73
 Pyrene
 Concen: 65.84 ng
 RT: 10.61 min Scan# 845
 Delta R.T. 0.02 min
 Lab File: 4M05714.D
 Acq: 18 Aug 2005 17:36

9870

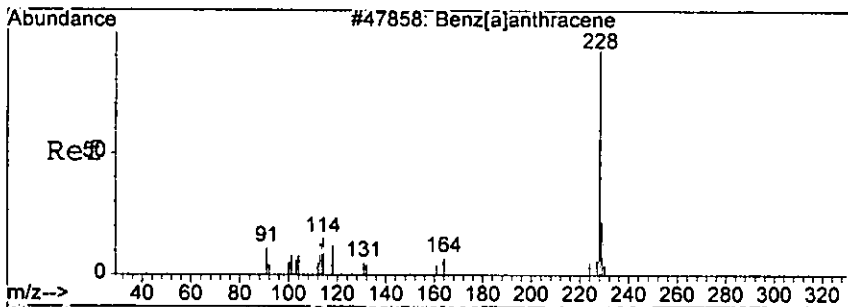
Tgt Ion	Ratio	Lower	Upper
202	100		
101	19.3	0.0	62.7
100	17.1	0.0	60.5



Abundance Ion 202.00 (201.70 to 202.70): 4M05714
 Ion 101.00 (100.70 to 101.70): 4M05714
 Ion 100.00 (99.70 to 100.70): 4M05714



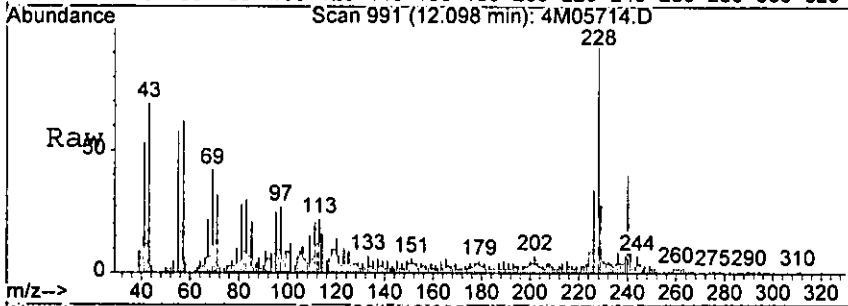
hazar



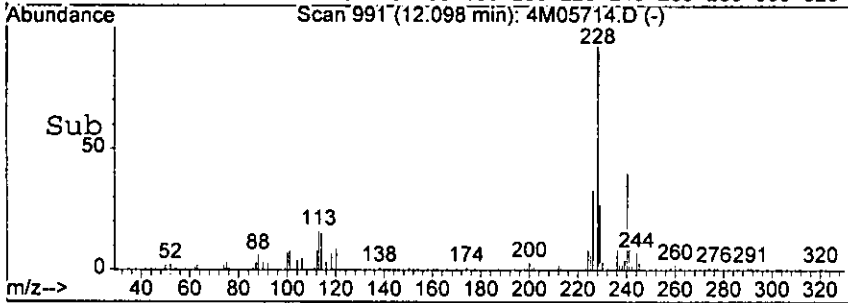
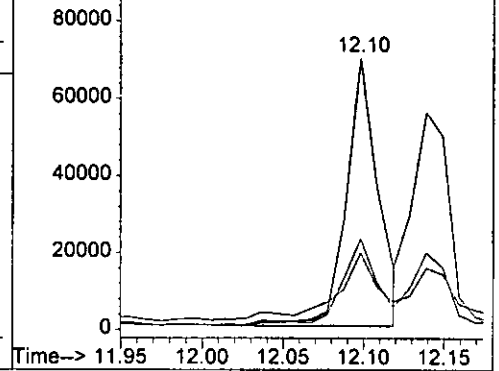
#78
 Benzo [a] anthracene
 Concen: 22.26 ng
 RT: 12.10 min Scan# 991
 Delta R.T. 0.02 min
 Lab File: 4M05714.D
 Acq: 18 Aug 2005 17:36

0.87

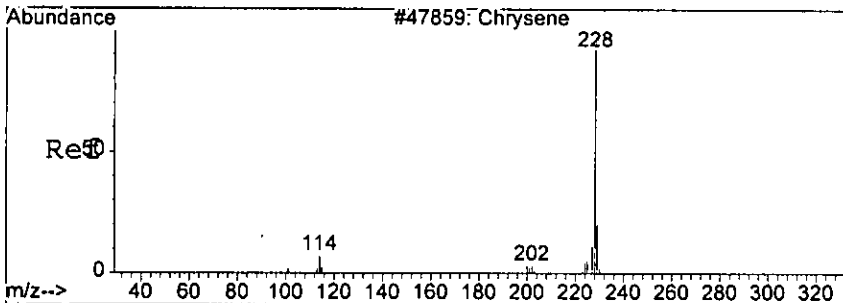
Tgt Ion	228	229	226	Resp	96823	Lower	Upper
Ion Ratio	100	25.3	32.3			0.0	60.5
						0.0	69.0



Abundance Ion 228.00 (227.70 to 228.70): 4M0571
 Ion 229.00 (228.70 to 229.70): 4M0571
 Ion 226.00 (225.70 to 226.70): 4M0571



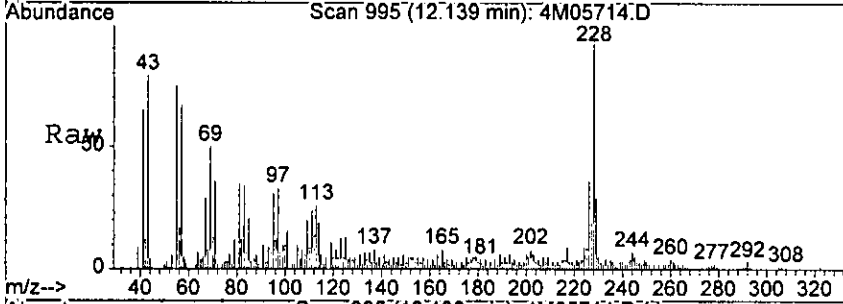
Handwritten signature



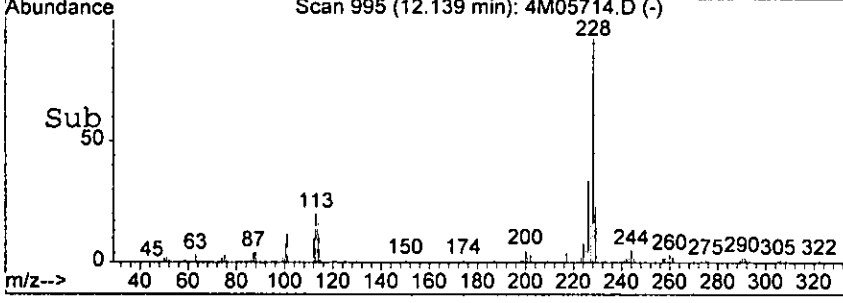
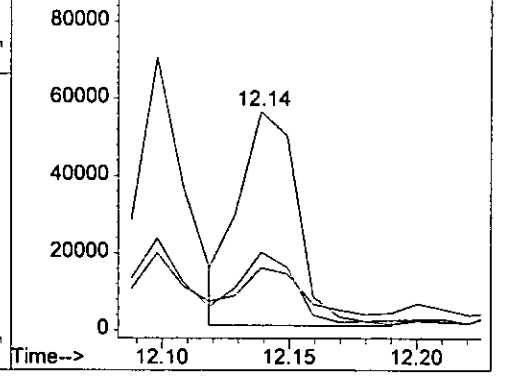
#79
 Chrysene
 Concen: 21.56 ng
 RT: 12.14 min Scan# 995
 Delta R.T. 0.00 min
 Lab File: 4M05714.D
 Acq: 18 Aug 2005 17:36

1183

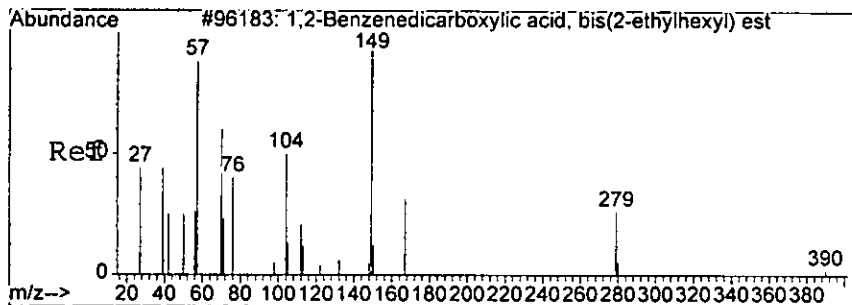
Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.5	12.0	52.0
229	21.8	0.0	61.1



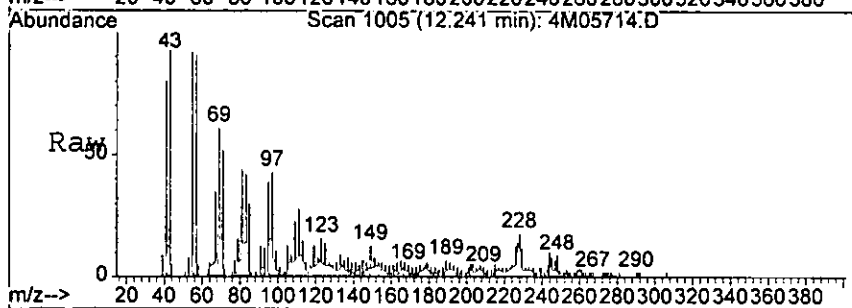
Abundance Ion 228.00 (227.70 to 228.70): 4M05714.D
 Ion 226.00 (225.70 to 226.70): 4M05714.D
 Ion 229.00 (228.70 to 229.70): 4M05714.D



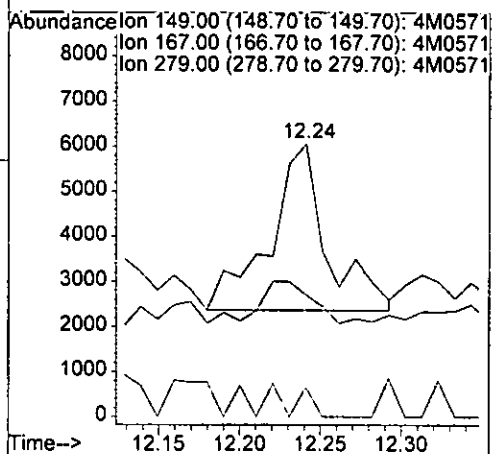
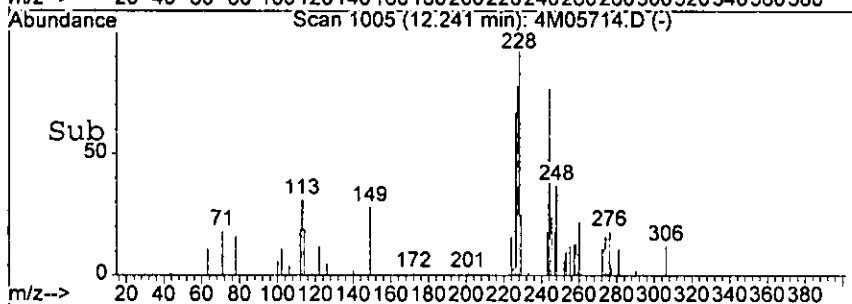
haar



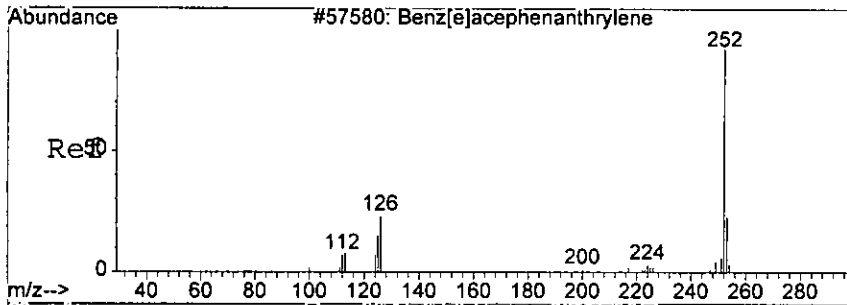
#80
 bis(2-Ethylhexyl)phthalate
 Concn: 2.55 ng
 RT: 12.24 min Scan# 1005
 Delta R.T. 0.02 min
 Lab File: 4M05714.D
 Acq: 18 Aug 2005 17:36



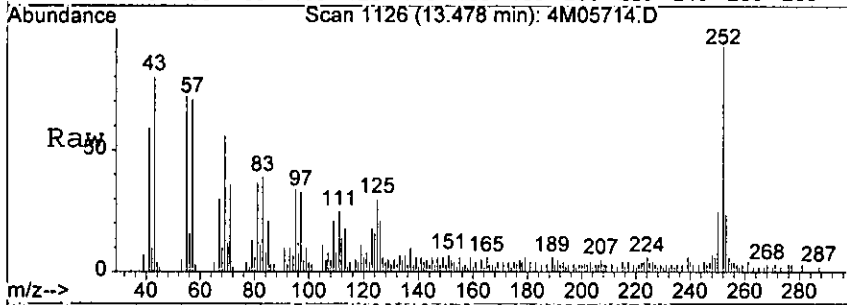
Tgt Ion	Ratio	Lower	Upper	Resp
149	100			9098
167	17.0	0.0	53.9	
279	0.0	0.0	43.5	



handwritten signature

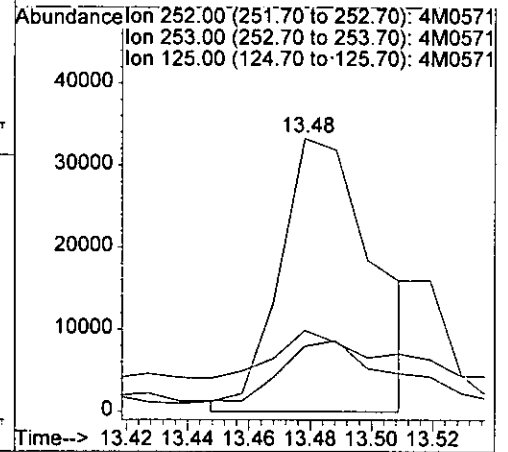
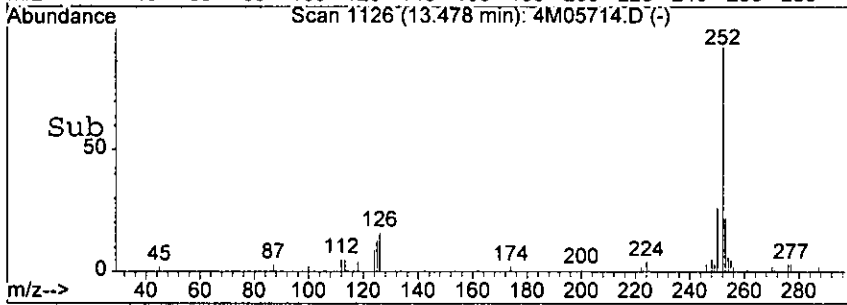


#83
 Benzo[b]fluoranthene
 Concen: 28.65 ng m
 RT: 13.48 min Scan# 1126
 Delta R.T. 0.00 min
 Lab File: 4M05714.D
 Acq: 18 Aug 2005 17:36

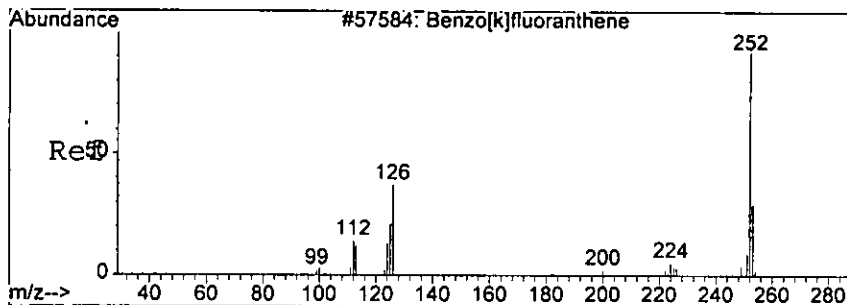


Tgt Ion: 252 Resp: 70411

Ion	Ratio	Lower	Upper
252	100		
253	23.9	0.0	63.3
125	29.7	0.0	57.6



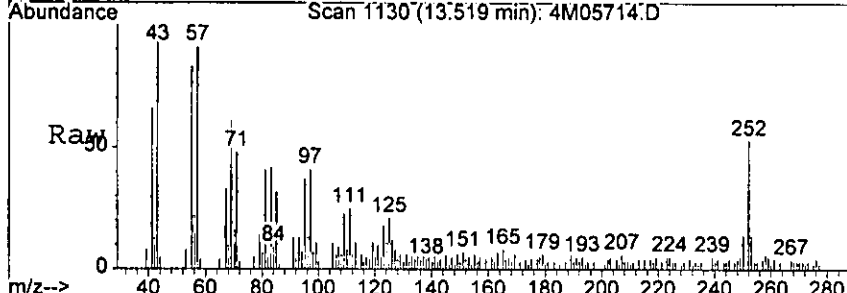
Handwritten signature



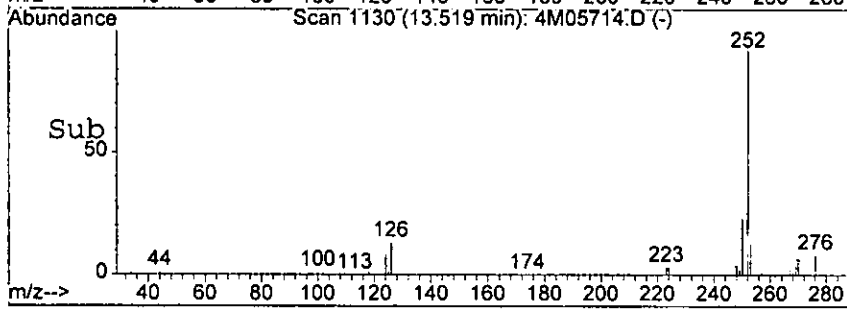
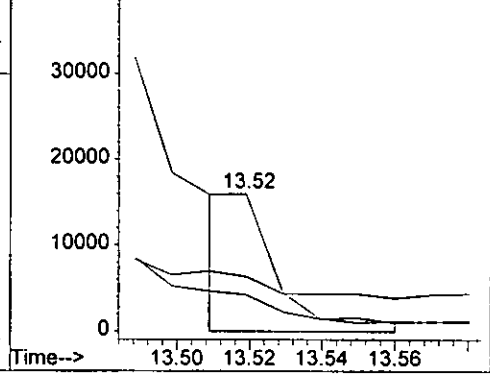
#84
 Benzo[k]fluoranthene
 Concen: 6.75 ng m
 RT: 13.52 min Scan# 1130
 Delta R.T. 0.02 min
 Lab File: 4M05714.D
 Acq: 18 Aug 2005 17:36

0491

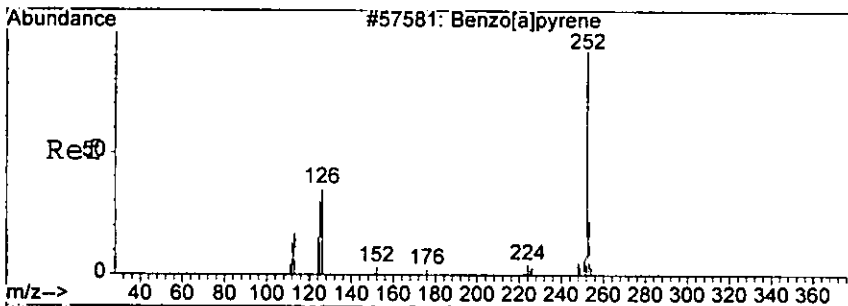
Tgt Ion	Resp	Lower	Upper
252	14769	100	
253	26.7	0.0	63.5
125	39.7	0.0	53.8



Abundance Ion 252.00 (251.70 to 252.70): 4M05714.D
 Ion 253.00 (252.70 to 253.70): 4M05714.D
 Ion 125.00 (124.70 to 125.70): 4M05714.D



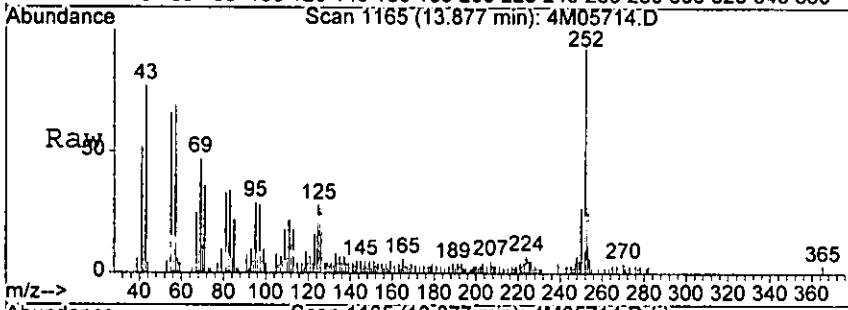
h8ra



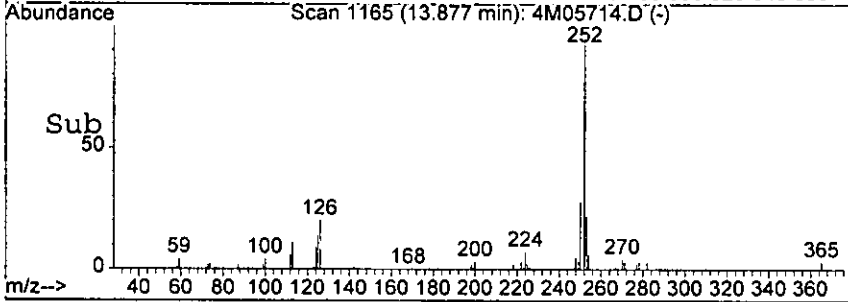
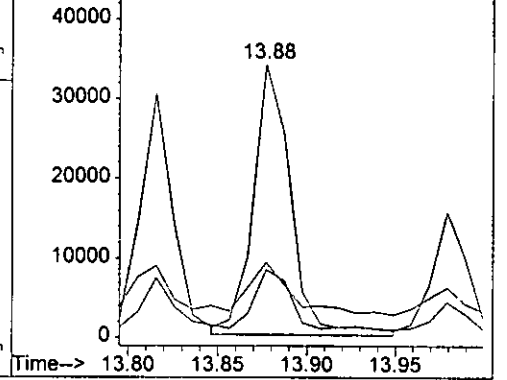
#85
 Benzo[a]pyrene
 Concen: 22.50 ng
 RT: 13.88 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: 4M05714.D
 Acq: 18 Aug 2005 17:36

2570

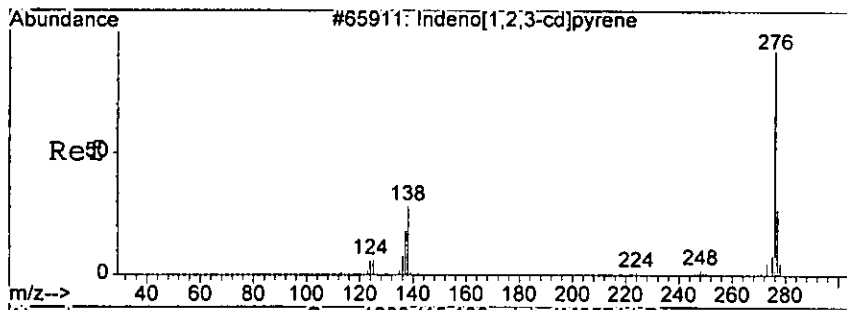
Tgt Ion	252	253	125	Resp	Lower	Upper
252	100			49879		
253	22.7	0.0			62.9	
125	19.8	0.0			57.6	



Abundance Ion 252.00 (251.70 to 252.70): 4M0571
 Ion 253.00 (252.70 to 253.70): 4M0571
 Ion 125.00 (124.70 to 125.70): 4M0571

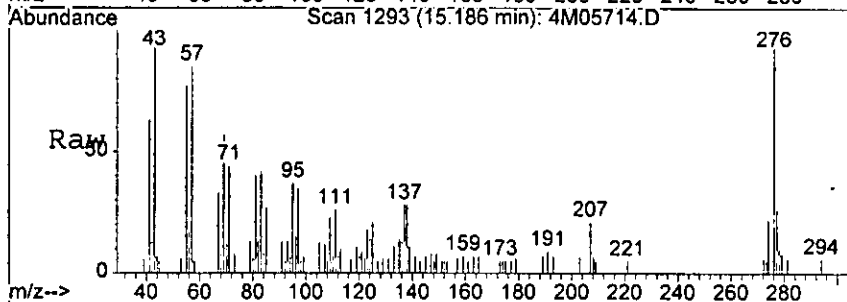


1.005

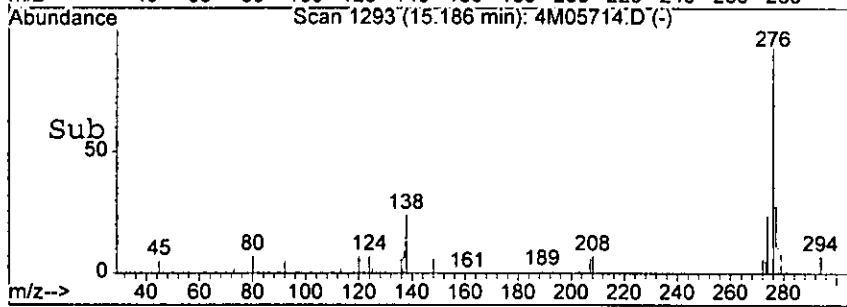
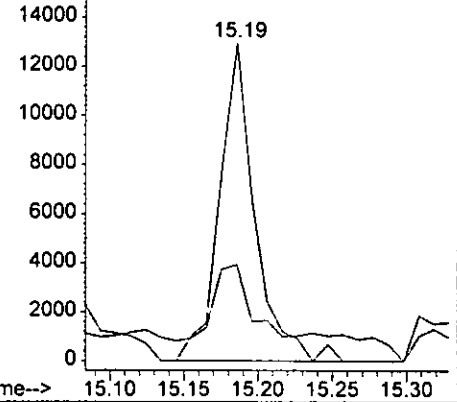


#86
 Indeno[1,2,3-cd]pyrene
 Concen: 8.06 ng
 RT: 15.19 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: 4M05714.D
 Acq: 18 Aug 2005 17:36

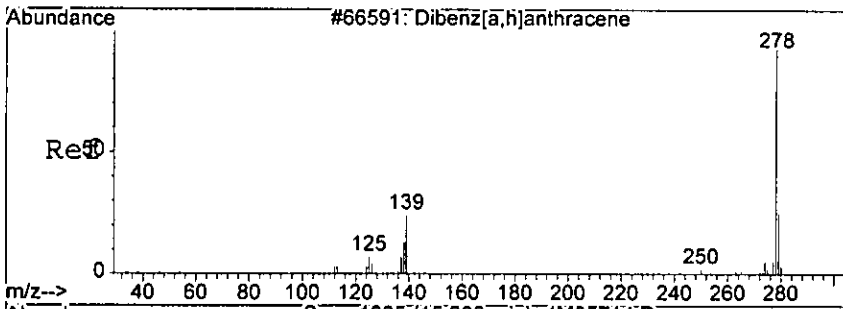
Tgt Ion: 276 Resp: 21446
 Ion Ratio Lower Upper
 276 100
 138 24.1 0.0 73.4



Abundance Ion 276.00 (275.70 to 276.70): 4M05714.D
 Ion 138.00 (137.70 to 138.70): 4M05714.D

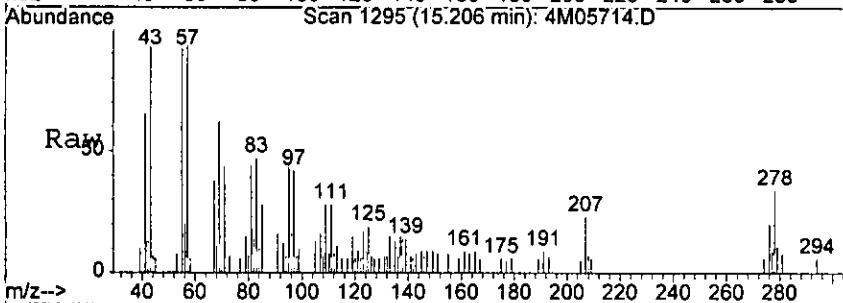


Handwritten signature

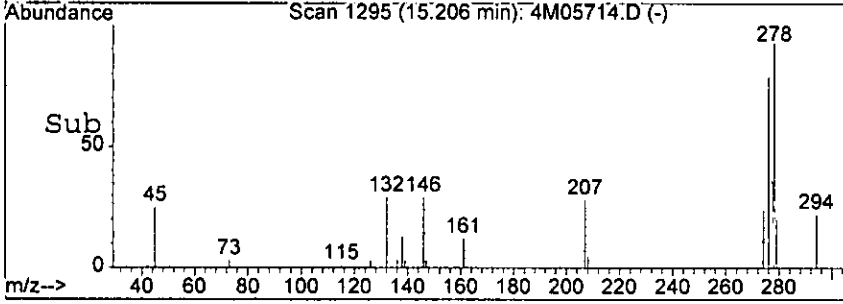
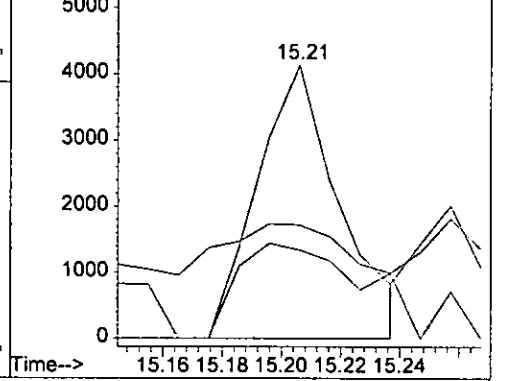


#87
 Dibenzo[a,h]anthracene
 Concen: 3.85 ng
 RT: 15.21 min Scan# 1295
 Delta R.T. 0.00 min
 Lab File: 4M05714.D
 Acq: 18 Aug 2005 17:36

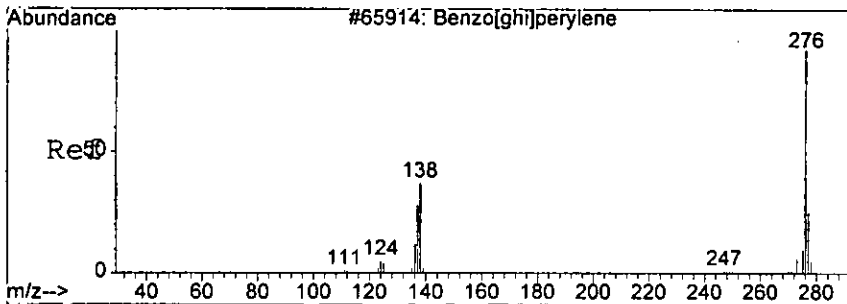
Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.6	0.0	63.8
279	32.4	0.0	64.0



Abundance Ion 278.00 (277.70 to 278.70): 4M0571
 Ion 139.00 (138.70 to 139.70): 4M0571
 Ion 279.00 (278.70 to 279.70): 4M0571



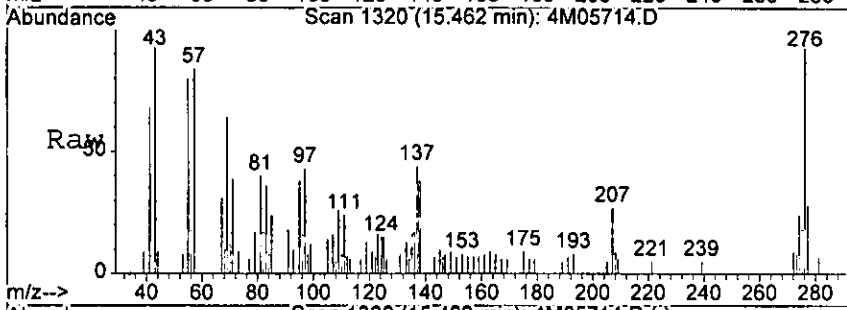
hba



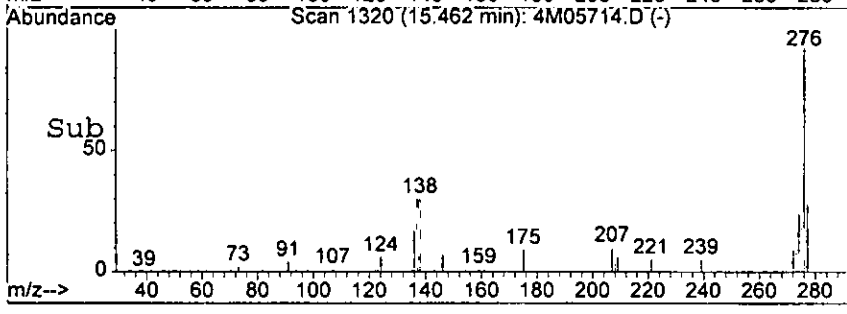
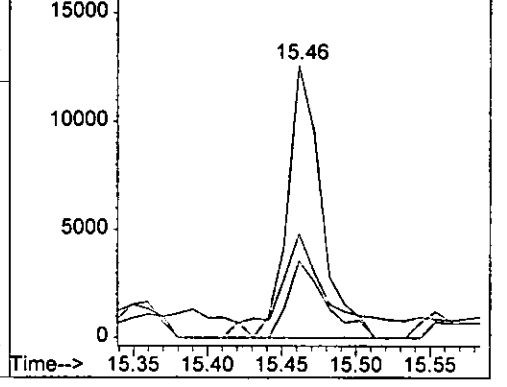
#88
 Benzo[g,h,i]perylene
 Concen: 9.37 ng
 RT: 15.46 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: 4M05714.D
 Acq: 18 Aug 2005 17:36

0.95

Tgt Ion	Resp	Lower	Upper
276	20522	100	
138	31.8	0.0	74.1
277	28.2	0.0	65.0



Abundance Ion 276.00 (275.70 to 276.70): 4M05714.D
 Ion 138.00 (137.70 to 138.70): 4M05714.D
 Ion 277.00 (276.70 to 277.70): 4M05714.D



Handwritten signature

Form1

ORGANICS SEMIVOLATILE REPORT

04996

Sample Number: AC19099-004(3X)
 Client Id: PCSB - 57 (0.5)
 Data File: 4M05728.D
 Analysis Date: 08/19/05 07:48
 Date Rec/Extracted: 08/16/05-08/17/05

Matrix: Soil
 Initial Vol: 30g
 Final Vol: 1ml
 Dilution: 3
 Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.031	U	205-99-2	Benzo[b]fluoranthene	0.034	12
95-50-1	1,2-Dichlorobenzene	0.052	U	191-24-2	Benzo[g,h,i]perylene	0.022	3.6
122-66-7	1,2-Diphenylhydrazine	0.033	U	207-08-9	Benzo[k]fluoranthene	0.037	2.8
541-73-1	1,3-Dichlorobenzene	0.048	U	111-91-1	bis(2-Chloroethoxy)methan	0.026	U
106-46-7	1,4-Dichlorobenzene	0.058	U	111-44-4	bis(2-Chloroethyl)ether	0.060	U
95-95-4	2,4,5-Trichlorophenol	1.5	U	108-60-1	bis(2-chloroisopropyl)ether	0.037	U
88-06-2	2,4,6-Trichlorophenol	2.8	U	117-81-7	bis(2-Ethylhexyl)phthalat	0.10	0.48
120-83-2	2,4-Dichlorophenol	0.18	U	85-68-7	Butylbenzylphthalate	0.046	0.39
105-67-9	2,4-Dimethylphenol	0.16	U	86-74-8	Carbazole	0.034	0.78
51-28-5	2,4-Dinitrophenol	0.77	U	218-01-9	Chrysene	0.024	6.8
121-14-2	2,4-Dinitrotoluene	0.042	U	84-74-2	Di-n-butylphthalate	0.025	U
606-20-2	2,6-Dinitrotoluene	0.047	U	117-84-0	Di-n-octylphthalate	0.027	U
91-58-7	2-Chloronaphthalene	0.031	U	53-70-3	Dibenzo[a,h]anthracene	0.040	1.4
95-57-8	2-Chlorophenol	0.23	U	132-64-9	Dibenzofuran	0.14	0.36
91-57-6	2-Methylnaphthalene	0.15	0.38	84-66-2	Diethylphthalate	0.031	U
95-48-7	2-Methylphenol	0.54	U	131-11-3	Dimethylphthalate	0.026	U
88-74-4	2-Nitroaniline	0.080	U	206-44-0	Fluoranthene	0.033	11
88-75-5	2-Nitrophenol	0.13	U	86-73-7	Fluorene	0.029	0.51
106-44-5	3&4-Methylphenol	0.60	U	118-74-1	Hexachlorobenzene	0.053	U
91-94-1	3,3'-Dichlorobenzidine	0.25	U	87-68-3	Hexachlorobutadiene	0.048	U
99-09-2	3-Nitroaniline	0.47	U	77-47-4	Hexachlorocyclopentadiene	0.30	U
534-52-1	4,6-Dinitro-2-methylphenol	0.22	U	67-72-1	Hexachloroethane	0.085	U
101-55-3	4-Bromophenyl-phenylether	0.044	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.016	3.2
59-50-7	4-Chloro-3-methylphenol	0.29	U	78-59-1	Isophorone	0.035	U
106-47-8	4-Chloroaniline	0.88	U	621-64-7	N-Nitroso-di-n-propylamine	0.055	U
7005-72-3	4-Chlorophenyl-phenylether	0.053	U	62-75-9	N-Nitrosodimethylamine	1.3	U
100-01-6	4-Nitroaniline	0.28	U	86-30-6	n-Nitrosodiphenylamine	0.054	U
100-02-7	4-Nitrophenol	0.20	U	91-20-3	Naphthalene	0.027	0.88
83-32-9	Acenaphthene	0.047	0.16	98-95-3	Nitrobenzene	0.045	U
208-96-8	Acenaphthylene	0.026	0.80	87-86-5	Pentachlorophenol	0.14	U
120-12-7	Anthracene	0.030	1.6	85-01-8	Phenanthrene	0.026	5.4
92-87-5	Benzidine	0.26	U	108-95-2	Phenol	0.17	U
56-55-3	Benzo[a]anthracene	0.020	7.7	129-00-0	Pyrene	0.026	13
50-32-8	Benzo[a]pyrene	0.026	7.2				

Worksheet #: 18797

Total Target Concentration 80.44

U - Indicates the compound was analyzed but not detected.
 B - Indicates the analyte was found in the blank as well as in the sample.
 E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
 J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

0197

Data File : G:\GcMsData\2005\Gcms_4\Data\08-19-05\4M05728.D Vial: 3
 Acq On : 19 Aug 2005 7:48 Operator: AHD
 Sample : AC19099-004 (3X) Inst : GCMS_4
 Misc : S,BNA:3 Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Aug 29 16:16 2005

Quant Results File: 4M_0818.RES

Quant Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration
 DataAcq Meth : 4M_0818

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	4.78	152	58223	40.00	ng	0.00
19) Naphthalene-d8	5.77	136	207752	40.00	ng	0.00
35) Acenaphthene-d10	7.32	164	120101	40.00	ng	0.00
59) Phenanthrene-d10	8.92	188	213750	40.00	ng	0.00
72) Chrysene-d12	12.10	240	125812	40.00	ng	0.00
81) Perylene-d12	13.94	264	63898	40.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	3.61	112	90664	56.30	ng	0.00
Spiked Amount	200.000		Recovery	=	28.15%	
7) Phenol-d5	4.49	99	123732	60.83	ng	-0.02
Spiked Amount	200.000		Recovery	=	30.42%	
20) Nitrobenzene-d5	5.22	128	25606	26.66	ng	0.00
Spiked Amount	100.000		Recovery	=	26.66%	
40) 2-Fluorobiphenyl	6.68	172	95731	25.23	ng	0.00
Spiked Amount	100.000		Recovery	=	25.23%	
62) 2,4,6-Tribromophenol	8.14	332	45135	52.16	ng	0.00
Spiked Amount	200.000		Recovery	=	26.08%	
75) Terphenyl-d14	10.81	244	110609	37.44	ng	0.00
Spiked Amount	100.000		Recovery	=	37.44%	

Target Compounds

						Qvalue
29) Naphthalene	5.78	128	38104	7.74	ng	99
33) 2-Methylnaphthalene	6.35	142	11027	3.31	ng	98
46) Acenaphthylene	7.18	152	37665	7.06	ng	100
49) Acenaphthene	7.35	153	4589	1.38	ng	91
52) Dibenzofuran	7.53	168	15159	3.19	ng	96
55) Fluorene	7.89	166	16134	4.49	ng	96
67) Phenanthrene	8.94	178	263368	47.34	ng	99
68) Anthracene	9.00	178	78184	13.97	ng	97
69) Carbazole	9.19	167	37166	6.86	ng	99
71) Fluoranthene	10.33	202	605027	100.29	ng	97
73) Pyrene	10.59	202	494652	114.74	ng	90
76) Butylbenzylphthalate	11.44	149	7831	3.41	ng	85
78) Benzo[a]anthracene	12.09	228	266276	67.56	ng	99
79) Chrysene	12.13	228	224774	59.96	ng	99
80) bis(2-Ethylhexyl)phthalate	12.22	149	13521	4.18	ng	95
83) Benzo[b]fluoranthene	13.48	252	246040m	104.83	ng	
84) Benzo[k]fluoranthene	13.51	252	51377m	24.58	ng	
85) Benzo[a]pyrene	13.88	252	133569	63.09	ng	94
86) Indeno[1,2,3-cd]pyrene	15.18	276	71835	28.28	ng	96

(#) = qualifier out of range (m) = manual integration

182ar

01378

Data File : G:\GcMsData\2005\Gcms_4\Data\08-19-05\4M05728.D Vial: 3
 Acq On : 19 Aug 2005 7:48 Operator: AHD
 Sample : AC19099-004 (3X) Inst : GCMS_4
 Misc : S,BNA:3 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:16 2005 Quant Results File: 4M_0818.RES

Quant Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration
 DataAcq Meth : 4M_0818

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
87) Dibenzo[a,h]anthracene	15.20	278	23663	11.93	ng	81
88) Benzo[g,h,i]perylene	15.46	276	66648	31.86	ng	88

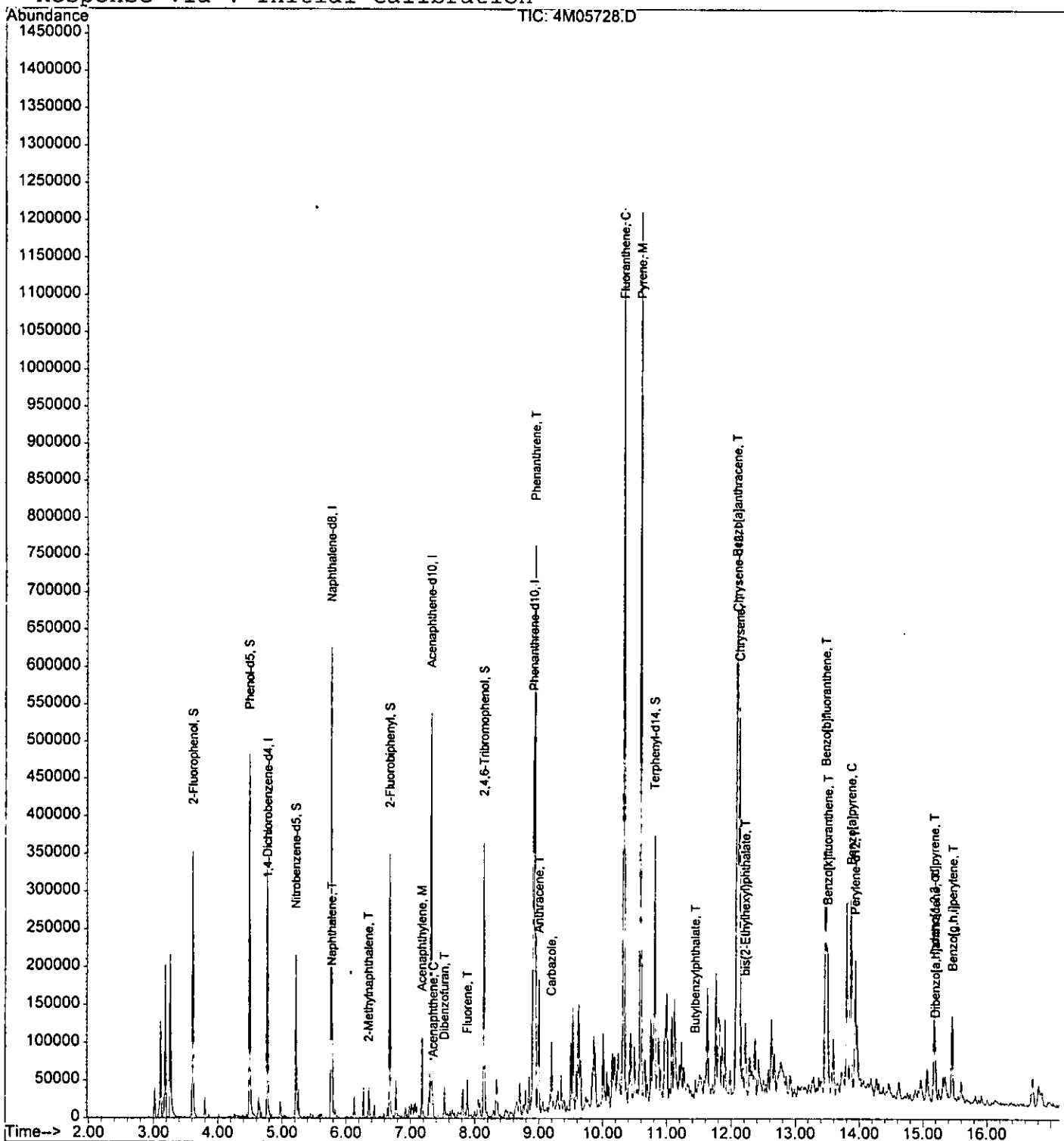
Quantitation Report

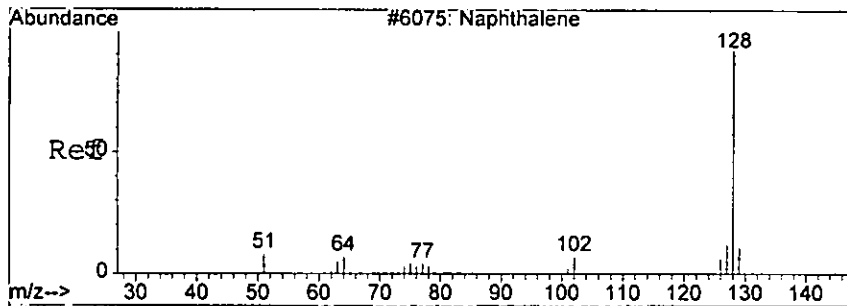
Data File : G:\GcmsData\2005\Gcms_4\Data\08-19-05\4M05728.D Vial: 3
Acq On : 19 Aug 2005 7:48 Operator: AHD
Sample : AC19099-004 (3X) Inst : GCMS_4
Misc : S,BNA:3 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 29 16:16 2005

6670

Quant Results File: 4M_0818.RES

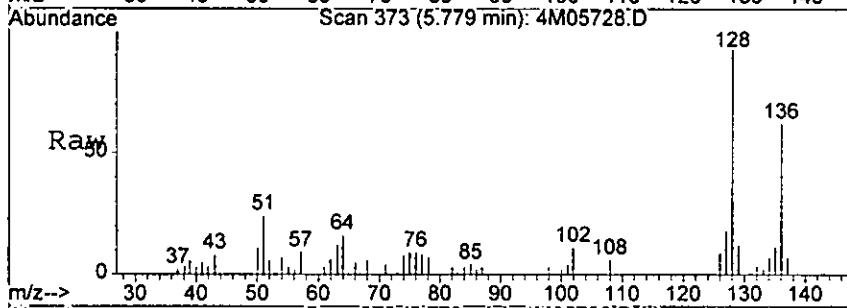
Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
Title : @GCMS_4,mg,625,8270
Last Update : Thu Aug 18 14:49:57 2005
Response via : Initial Calibration





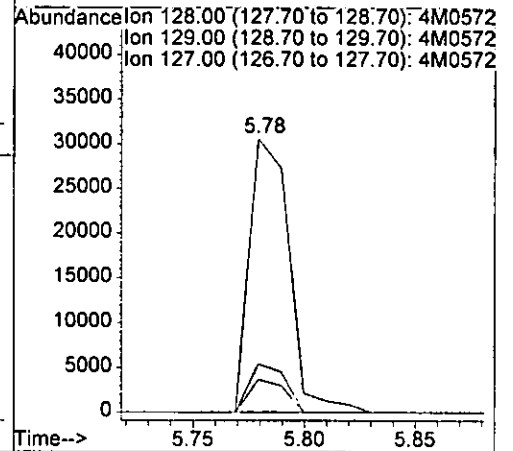
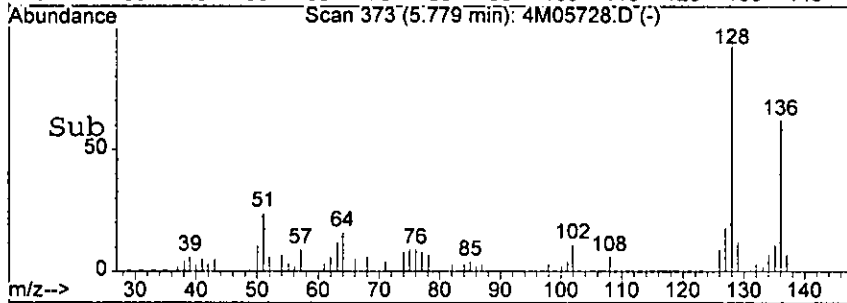
#29
 Naphthalene
 Concen: 7.74 ng
 RT: 5.78 min Scan# 373
 Delta R.T. -0.02 min
 Lab File: 4M05728.D
 Acq: 19 Aug 2005 7:48

0508

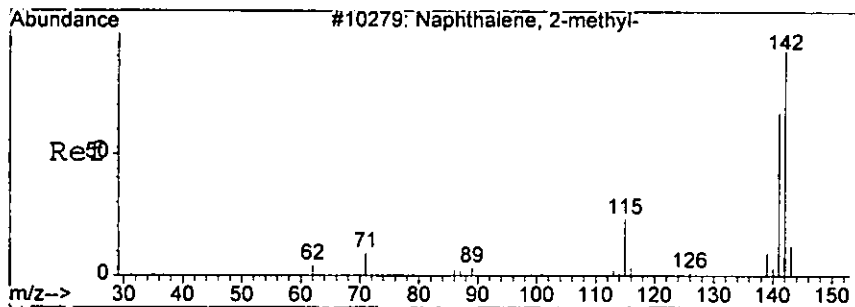


Tgt Ion: 128 Resp: 38104

Ion	Ratio	Lower	Upper
128	100		
129	12.0	0.0	51.8
127	17.7	0.0	57.0



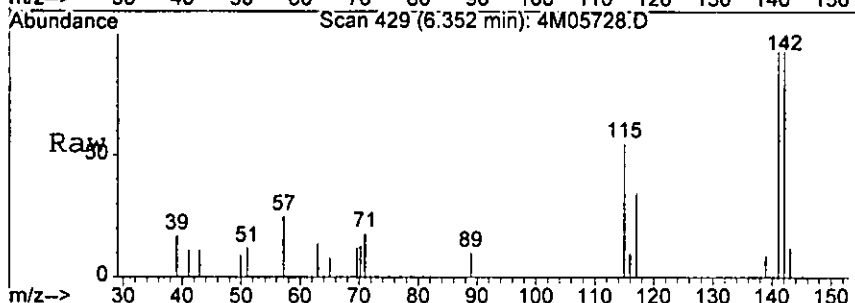
harr



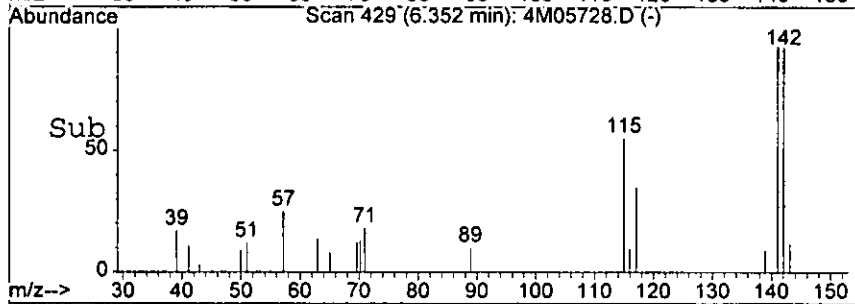
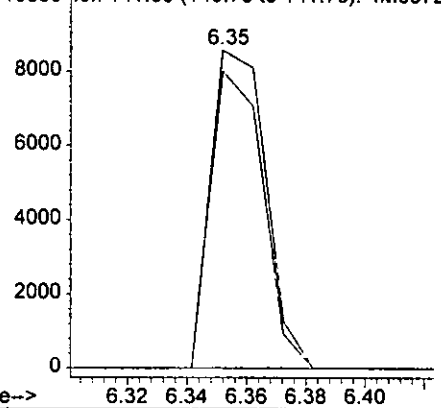
#33
 2-Methylnaphthalene
 Concen: 3.31 ng
 RT: 6.35 min Scan# 429
 Delta R.T. -0.02 min
 Lab File: 4M05728.D
 Acq: 19 Aug 2005 7:48

1050

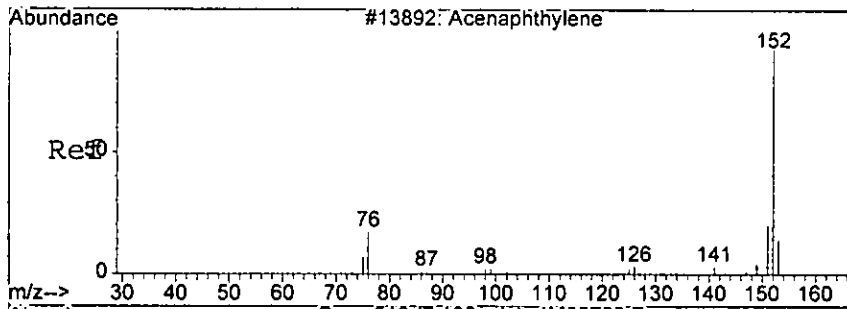
Tgt Ion:142 Resp: 11027
 Ion Ratio Lower Upper
 142 100
 141 93.4 55.7 135.7



Abundance Ion 142.00 (141.70 to 142.70): 4M0572
 10000 Ion 141.00 (140.70 to 141.70): 4M0572

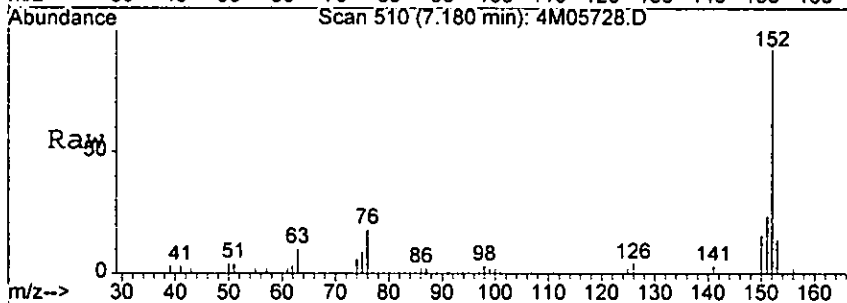


har



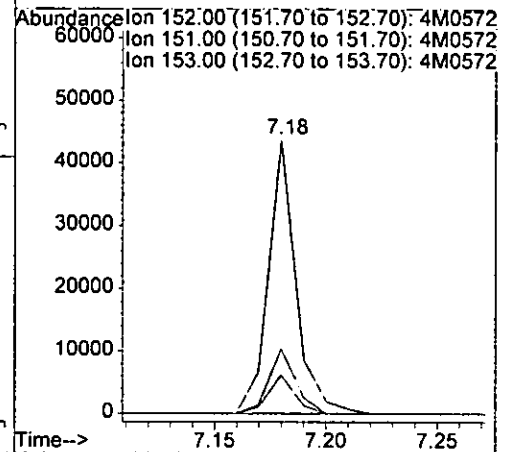
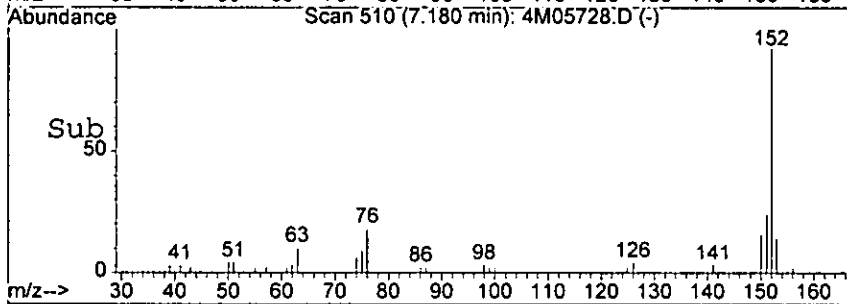
#46
 Acenaphthylene
 Concen: 7.06 ng
 RT: 7.18 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: 4M05728.D
 Acq: 19 Aug 2005 7:48

0502

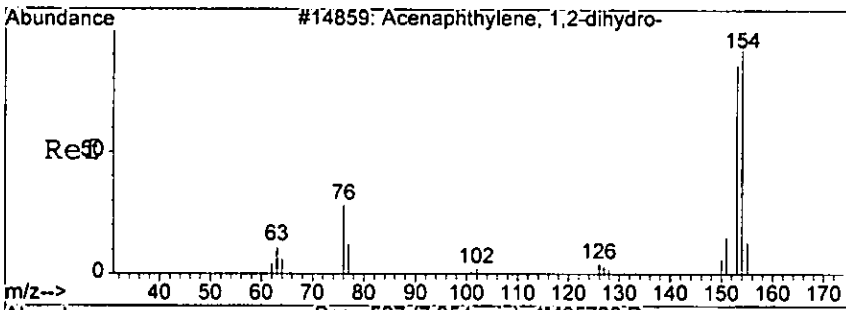


Tgt Ion: 152 Resp: 37665

Ion	Ratio	Lower	Upper
152	100		
151	23.8	0.0	63.6
153	14.1	0.0	53.8



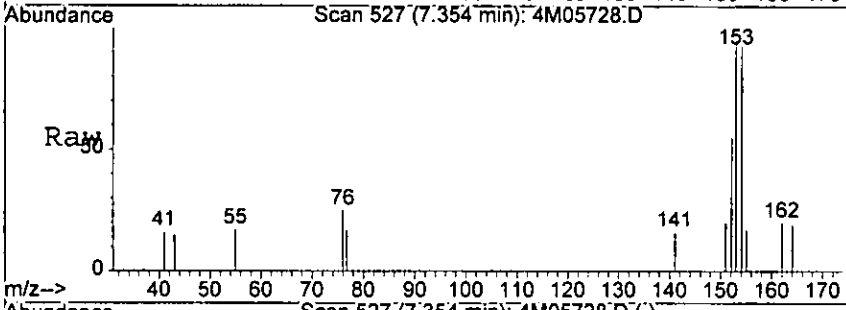
Raw



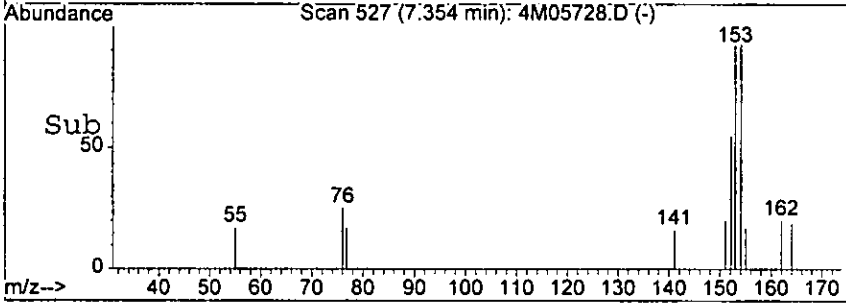
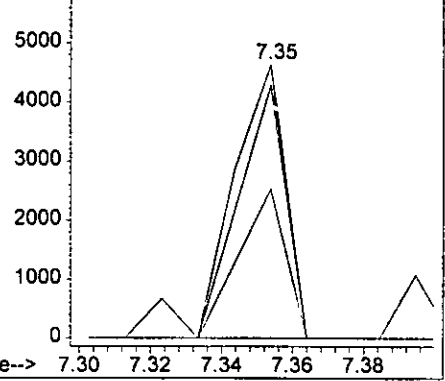
#49
 Acenaphthene
 Concen: 1.38 ng
 RT: 7.35 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: 4M05728.D
 Acq: 19 Aug 2005 7:48

0503

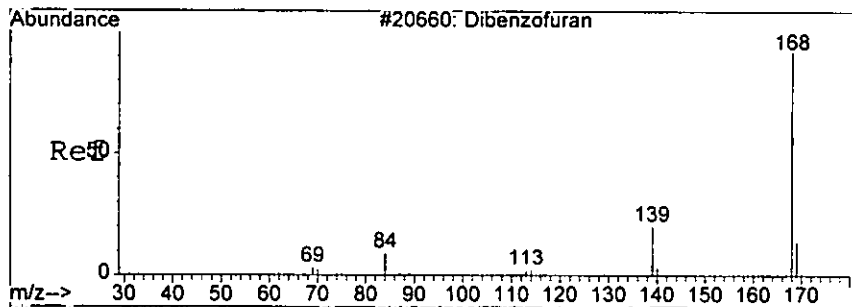
Tgt Ion	Resp	Lower	Upper
153	4589	100	
152	54.6	8.3	88.3
154	92.6	45.1	125.1



Abundance Ion 153.00 (152.70 to 153.70): 4M0572
 Ion 152.00 (151.70 to 152.70): 4M0572
 Ion 154.00 (153.70 to 154.70): 4M0572



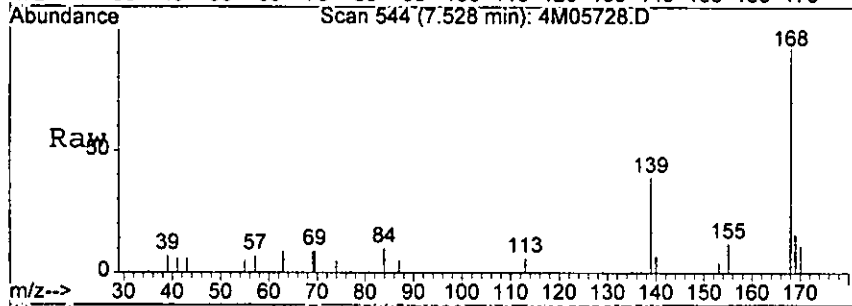
Handwritten signature



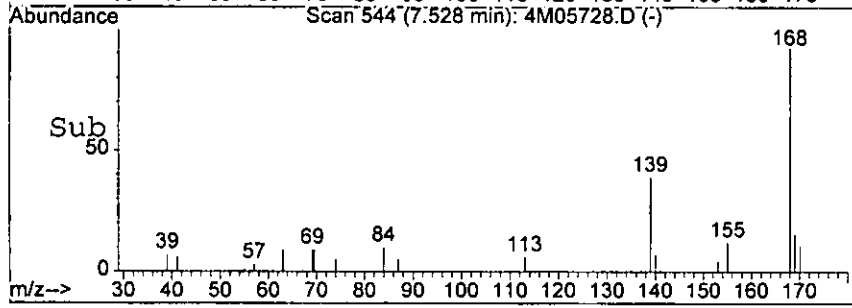
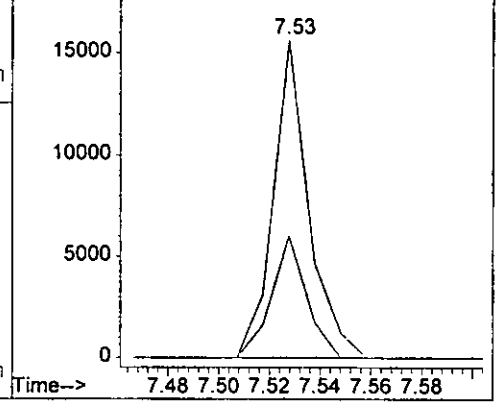
#52
 Dibenzofuran
 Concen: 3.19 ng
 RT: 7.53 min Scan# 544
 Delta R.T. -0.01 min
 Lab File: 4M05728.D
 Acq: 19 Aug 2005 7:48

0501
 7050

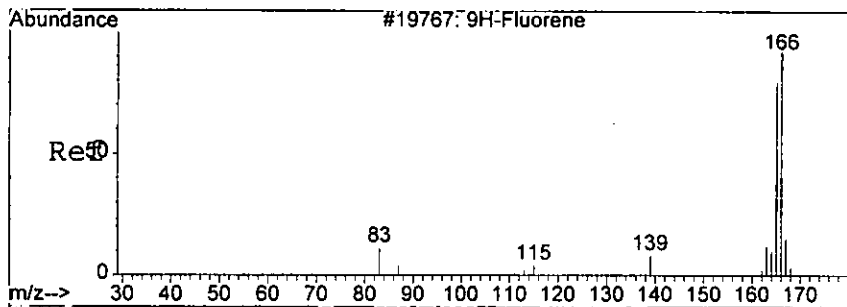
Tgt Ion:168 Resp: 15159
 Ion Ratio Lower Upper
 168 100
 139 38.6 6.0 66.0



Abundance Ion 168.00 (167.70 to 168.70): 4M0572
 Ion 139.00 (138.70 to 139.70): 4M0572



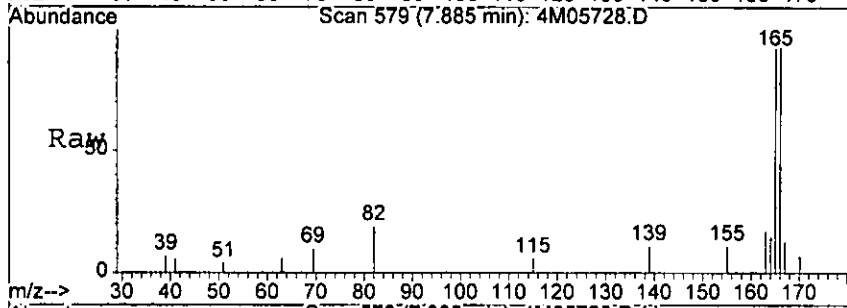
ND2ar



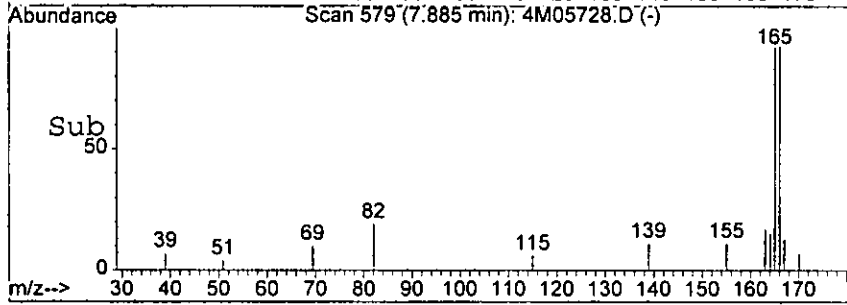
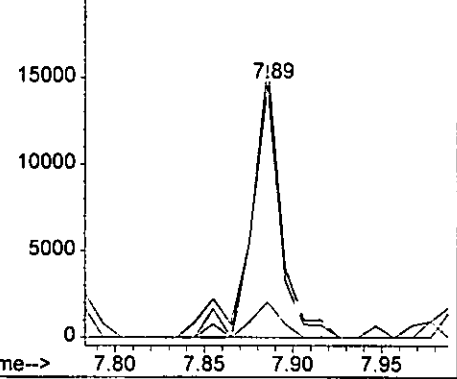
#55
 Fluorene
 Concen: 4.49 ng
 RT: 7.89 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: 4M05728.D
 Acq: 19 Aug 2005 7:48

0505

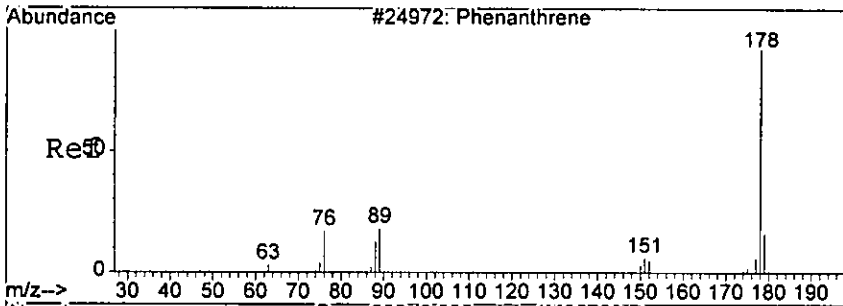
Tgt Ion	Resp	Lower	Upper
166	16134	100	
165	107.7	63.3	143.3
167	14.0	0.0	54.6



Abundance Ion 166.00 (165.70 to 166.70): 4M0572
 Ion 165.00 (164.70 to 165.70): 4M0572
 Ion 167.00 (166.70 to 167.70): 4M0572



Ref

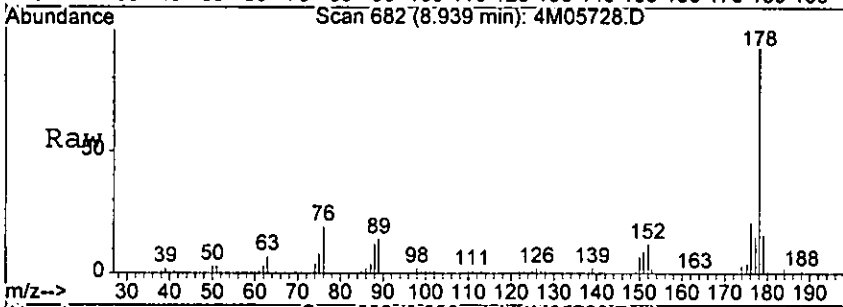


#67
 Phenanthrene
 Concen: 47.34 ng
 RT: 8.94 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: 4M05728.D
 Acq: 19 Aug 2005 7:48

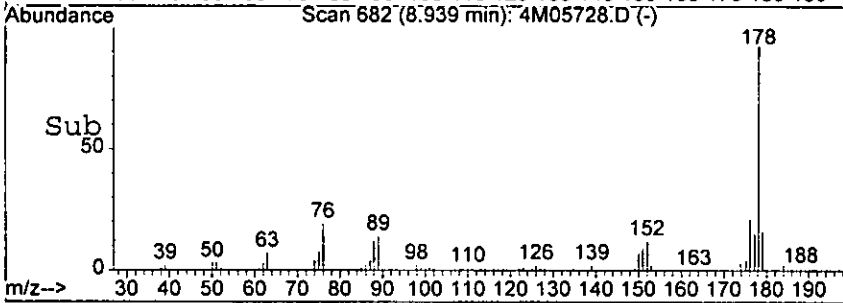
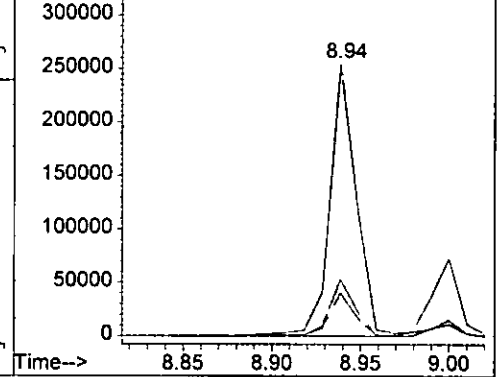
0505

Tgt Ion: 178 Resp: 263368

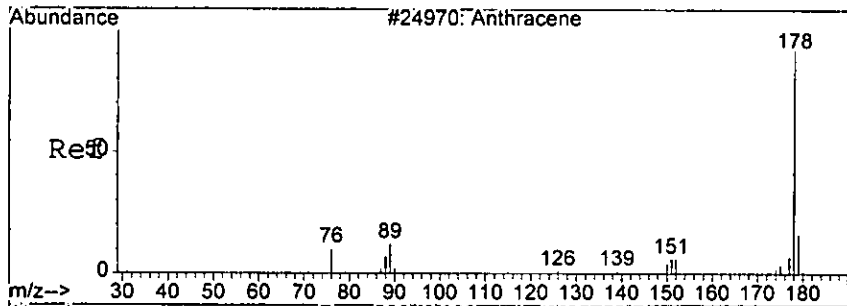
Ion	Ratio	Lower	Upper
178	100		
179	15.7	0.0	56.6
176	20.7	0.0	60.5



Abundance Ion 178.00 (177.70 to 178.70): 4M0572
 Ion 179.00 (178.70 to 179.70): 4M0572
 Ion 176.00 (175.70 to 176.70): 4M0572

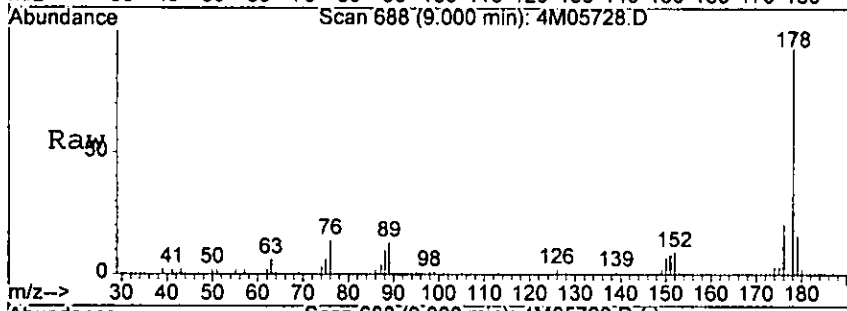


Aspir



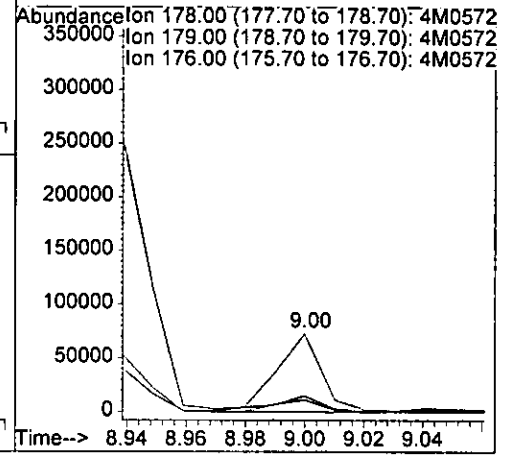
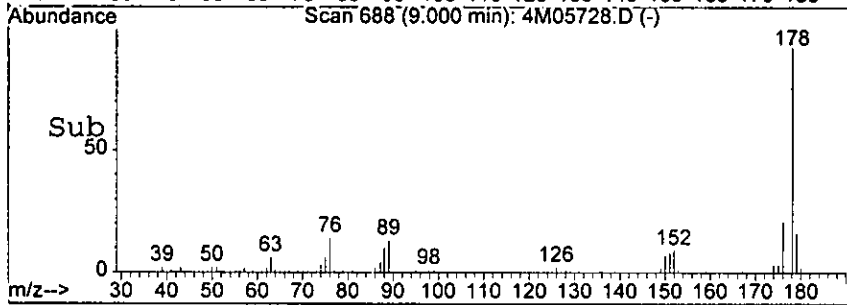
#68
 Anthracene
 Concen: 13.97 ng
 RT: 9.00 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: 4M05728.D
 Acq: 19 Aug 2005 7:48

8587

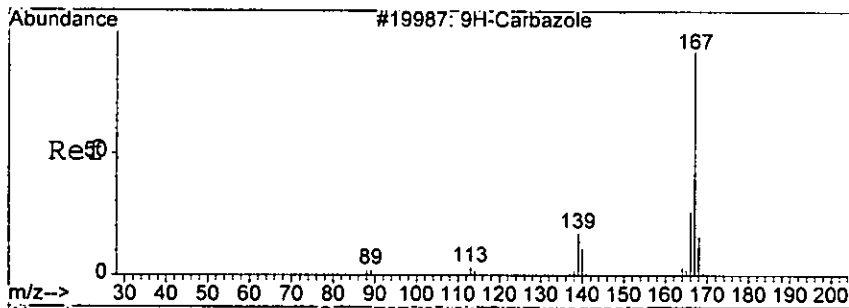


Tgt Ion: 178 Resp: 78184

Ion	Ratio	Lower	Upper
178	100		
179	14.5	0.0	56.6
176	21.0	0.0	60.2

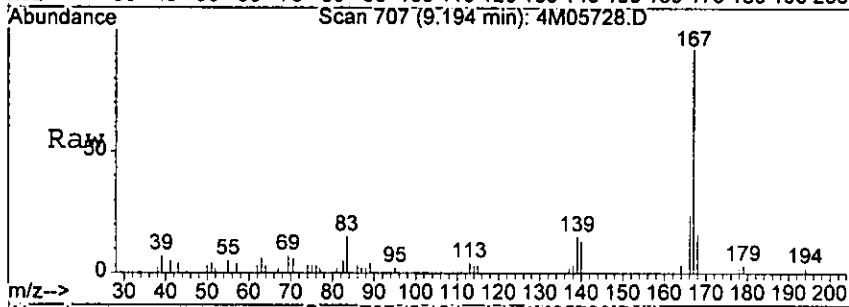


Handwritten signature



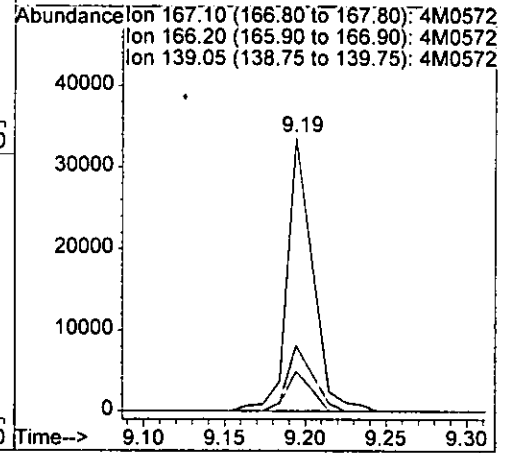
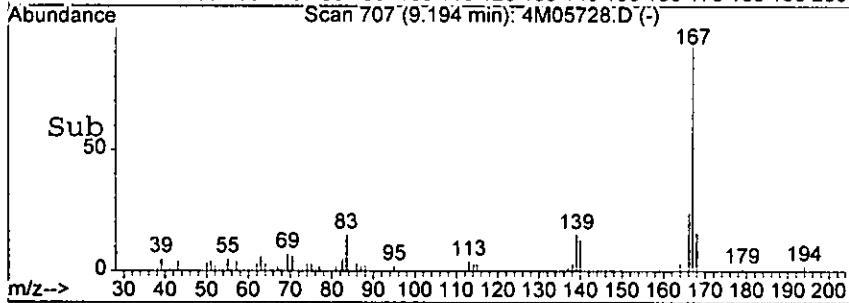
#69
 Carbazole
 Concen: 6.86 ng
 RT: 9.19 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: 4M05728.D
 Acq: 19 Aug 2005 7:48

0508

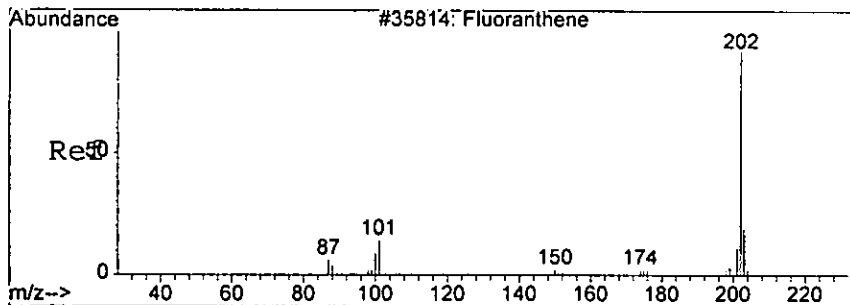


Tgt Ion: 167 Resp: 37166

Ion	Ratio	Lower	Upper
167	100		
166	24.2	4.9	44.9
139	14.5	0.0	33.9



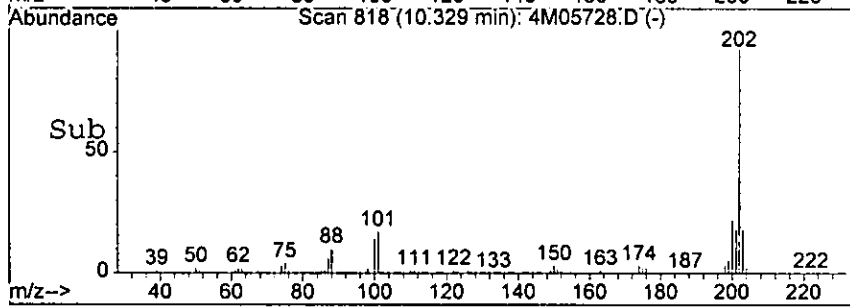
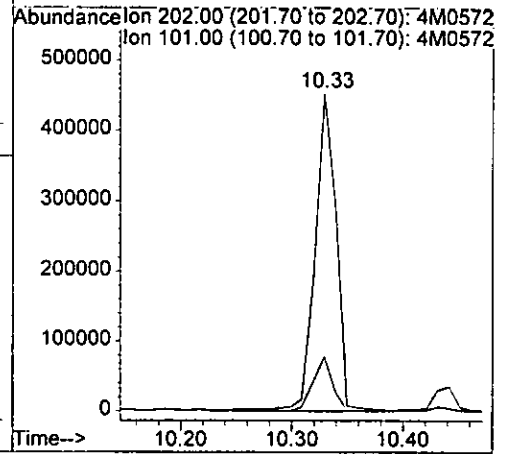
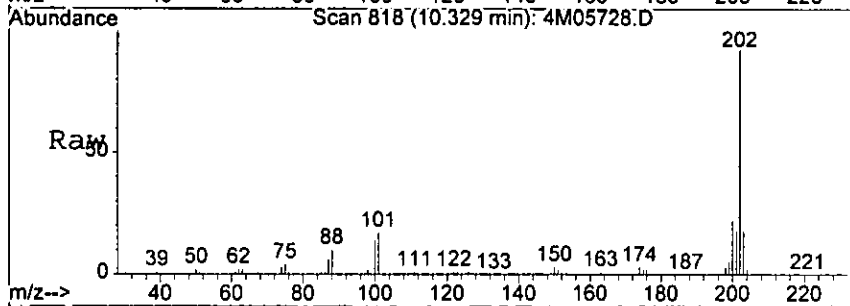
Handwritten signature



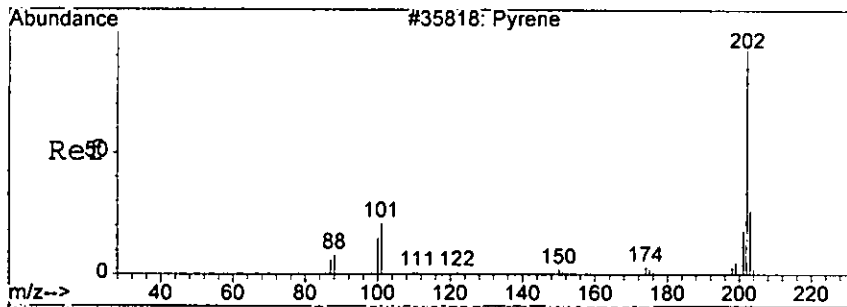
#71
 Fluoranthene
 Concen: 100.29 ng
 RT: 10.33 min Scan# 818
 Delta R.T. 0.00 min
 Lab File: 4M05728.D
 Acq: 19 Aug 2005 7:48

6050

Tgt Ion: 202 Resp: 605027
 Ion Ratio Lower Upper
 202 100
 101 17.2 0.0 58.3



NRAS

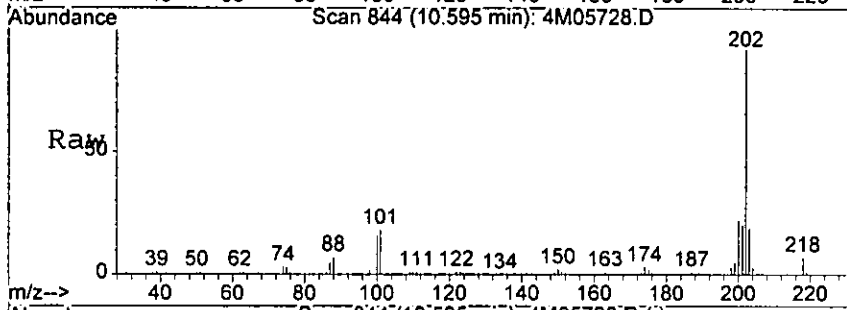


#73
 Pyrene
 Concen: 114.74 ng
 RT: 10.59 min Scan# 844
 Delta R.T. 0.00 min
 Lab File: 4M05728.D
 Acq: 19 Aug 2005 7:48

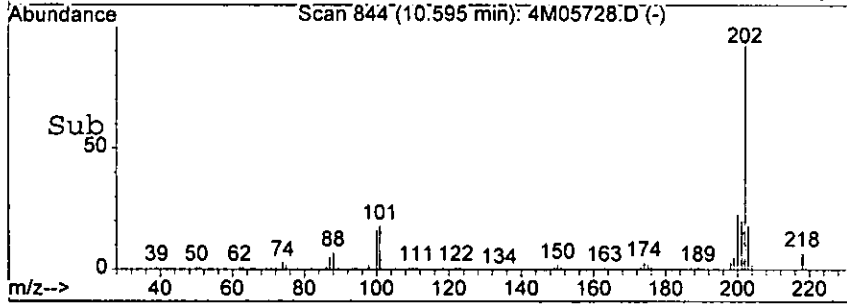
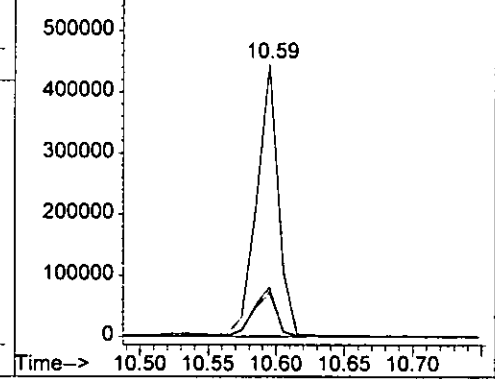
510

Tgt Ion: 202 Resp: 494652

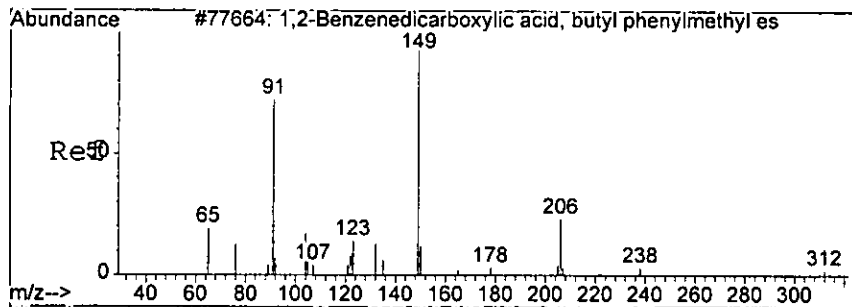
Ion	Ratio	Lower	Upper
202	100		
101	17.9	0.0	62.7
100	16.3	0.0	60.5



Abundance Ion 202.00 (201.70 to 202.70): 4M0572
 600000 Ion 101.00 (100.70 to 101.70): 4M0572
 Ion 100.00 (99.70 to 100.70): 4M05728



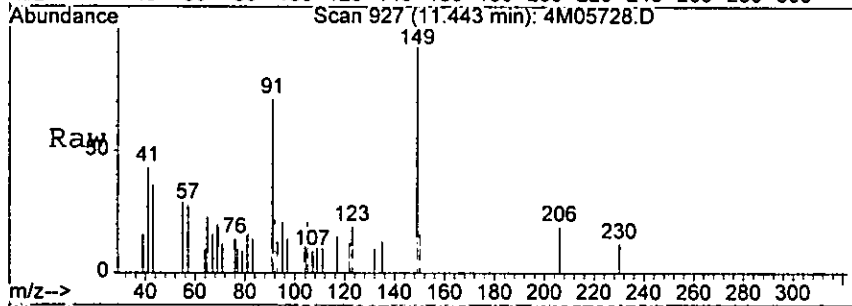
herar



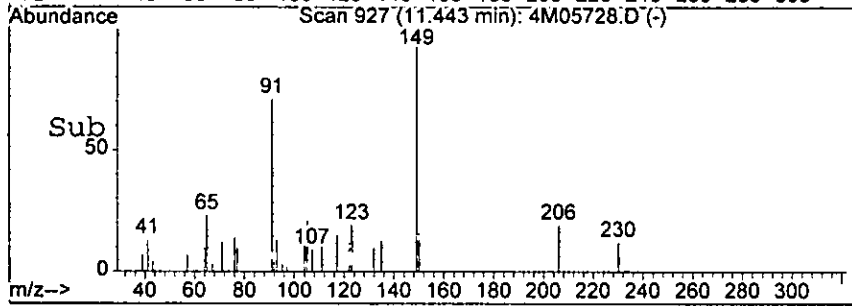
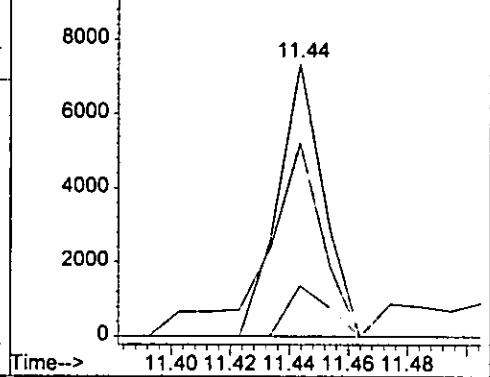
#76
 Butylbenzylphthalate
 Concen: 3.41 ng
 RT: 11.44 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: 4M05728.D
 Acq: 19 Aug 2005 7:48

0511

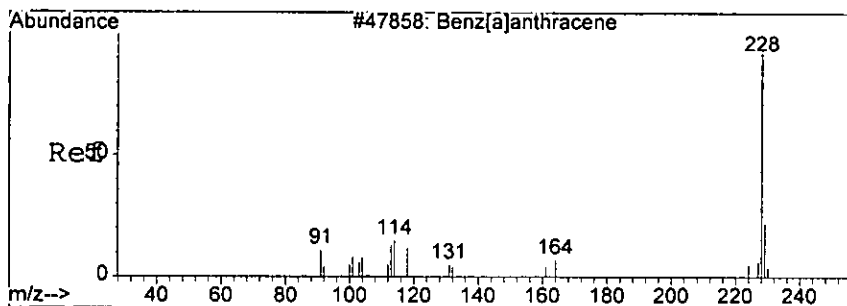
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	7831		
91	61.7	35.6	115.6	
206	18.5	0.0	54.4	



Abundance Ion 149.00 (148.70 to 149.70): 4M0572
 10000 Ion 91.00 (90.70 to 91.70): 4M05728.D
 Ion 206.00 (205.70 to 206.70): 4M0572



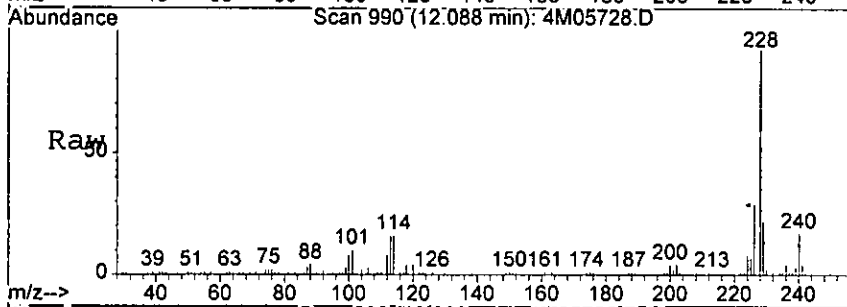
handwritten signature



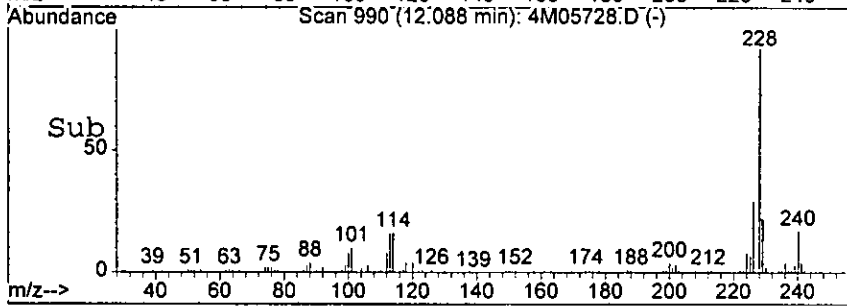
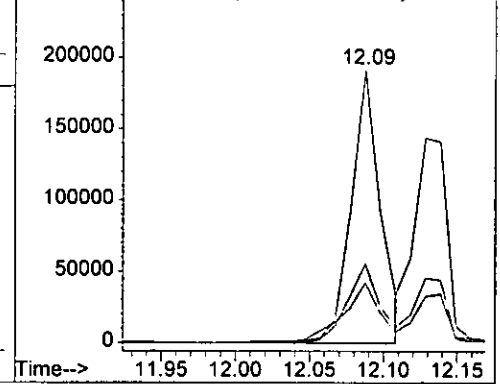
#78
 Benzo[a]anthracene
 Concen: 67.56 ng
 RT: 12.09 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: 4M05728.D
 Acq: 19 Aug 2005 7:48

0512

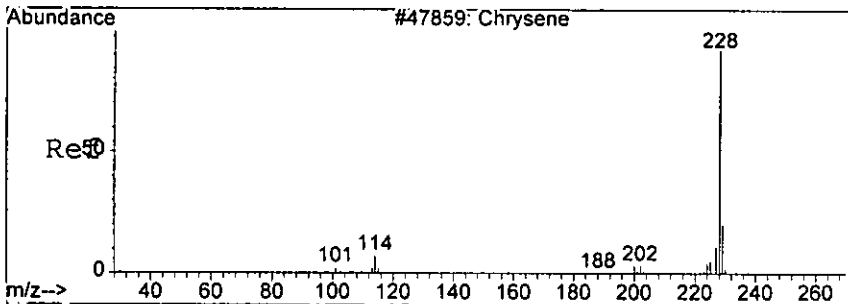
Tgt Ion	Resp	Lower	Upper
228	100		
229	22.0	0.0	60.5
226	29.0	0.0	69.0



Abundance
 Ion 228.00 (227.70 to 228.70): 4M0572
 Ion 229.00 (228.70 to 229.70): 4M0572
 Ion 226.00 (225.70 to 226.70): 4M0572



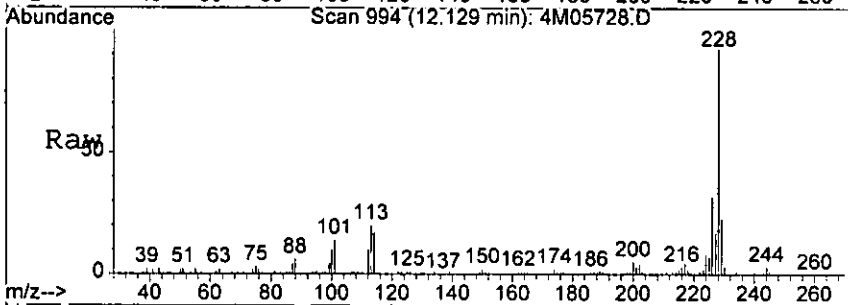
Handwritten signature



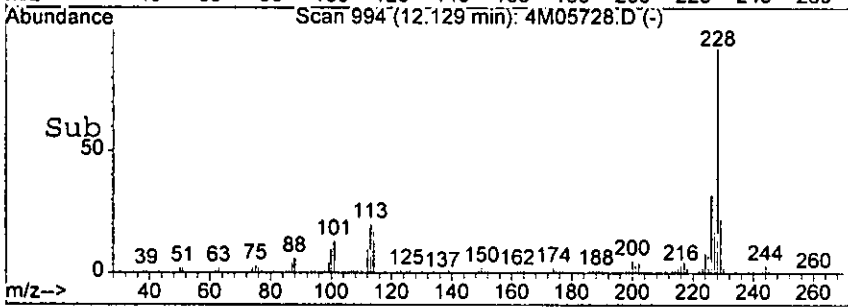
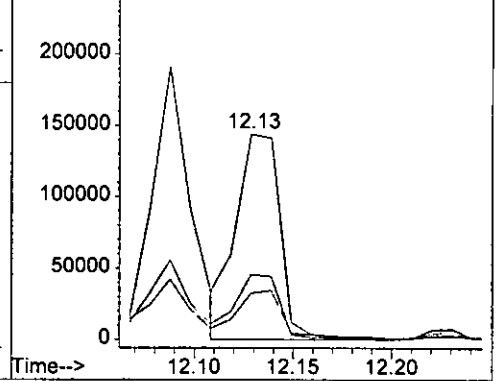
#79
 Chrysene
 Concen: 59.96 ng
 RT: 12.13 min Scan# 994
 Delta R.T. -0.01 min
 Lab File: 4M05728.D
 Acq: 19 Aug 2005 7:48

0513

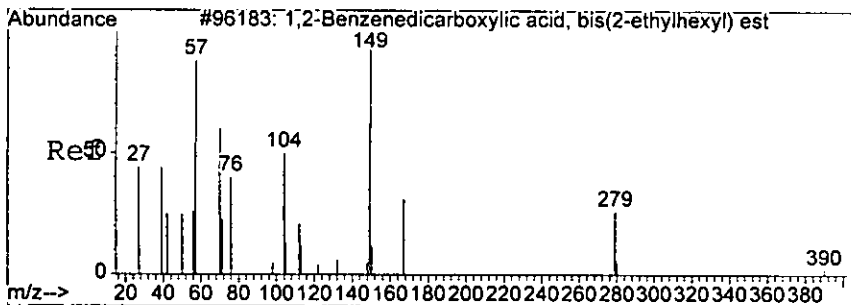
Tgt Ion	228	226	229
Resp:	224774		
Ion Ratio	100	31.8	22.1
Lower		12.0	0.0
Upper		52.0	61.1



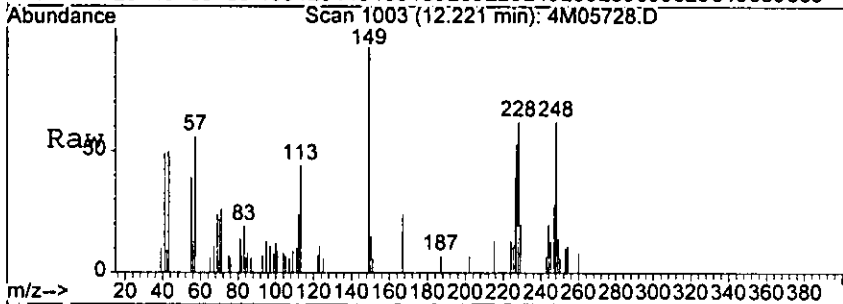
Abundance Ion 228.00 (227.70 to 228.70): 4M0572
 Ion 226.00 (225.70 to 226.70): 4M0572
 Ion 229.00 (228.70 to 229.70): 4M0572



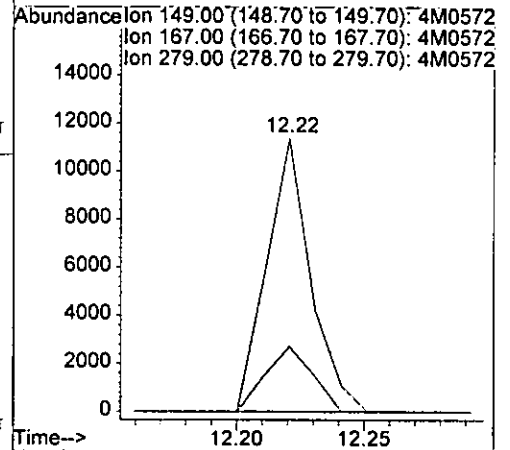
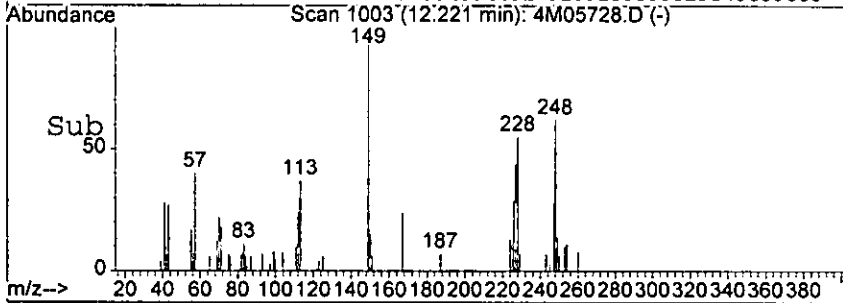
Handwritten signature



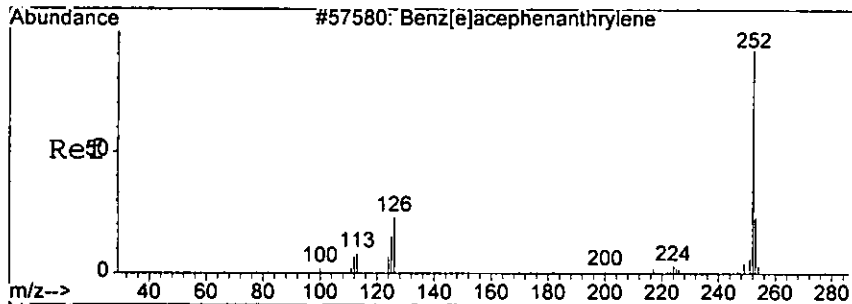
#80
 bis(2-Ethylhexyl)phthalate
 Concen: 4.18 ng
 RT: 12.22 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: 4M05728.D
 Acq: 19 Aug 2005 7:48



Tgt Ion	Ratio	Lower	Upper
149	100		
167	23.9	0.0	53.9
279	0.0	0.0	43.5



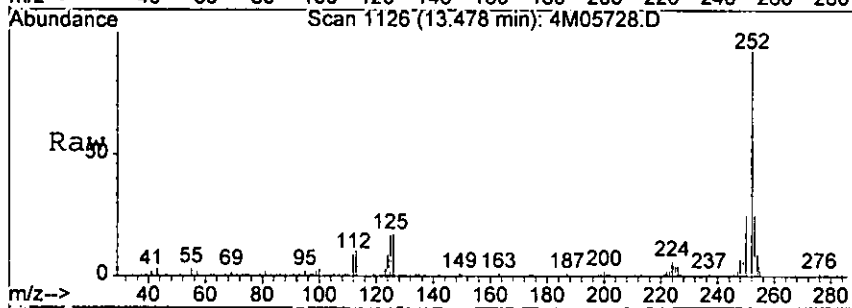
Handwritten signature



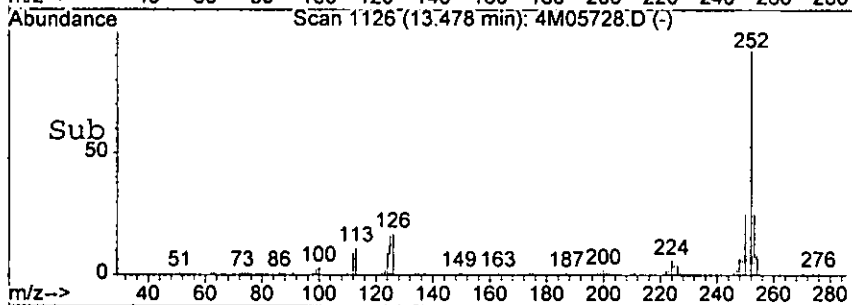
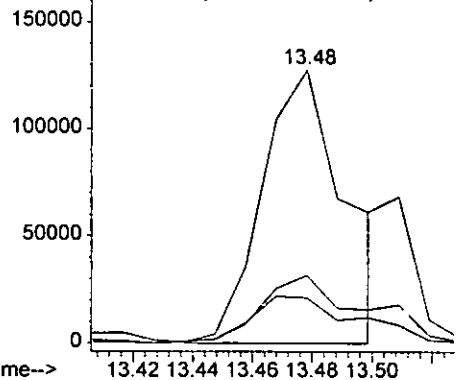
#83
 Benzo [b] fluoranthene
 Concen: 104.83 ng m
 RT: 13.48 min Scan# 1126
 Delta R.T. 0.00 min
 Lab File: 4M05728.D
 Acq: 19 Aug 2005 7:48

Tgt Ion: 252 Resp: 246040

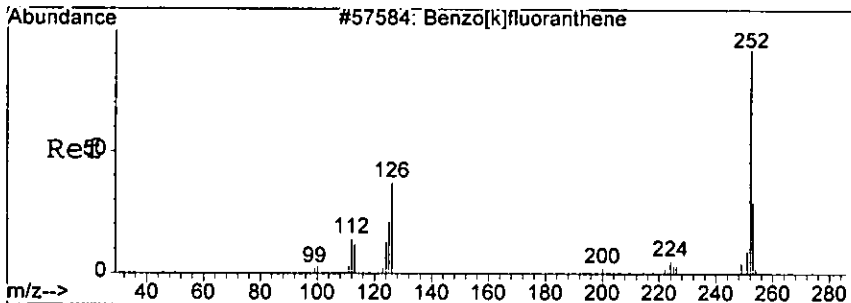
Ion	Ratio	Lower	Upper
252	100		
253	24.7	0.0	63.3
125	16.6	0.0	57.6



Abundance Ion 252.00 (251.70 to 252.70): 4M0572
 Ion 253.00 (252.70 to 253.70): 4M0572
 Ion 125.00 (124.70 to 125.70): 4M0572

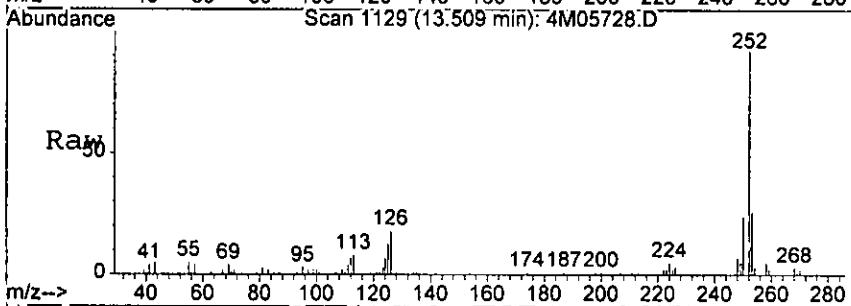


Handwritten signature

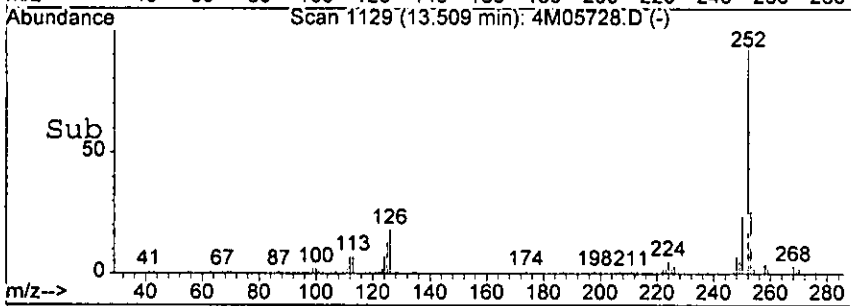
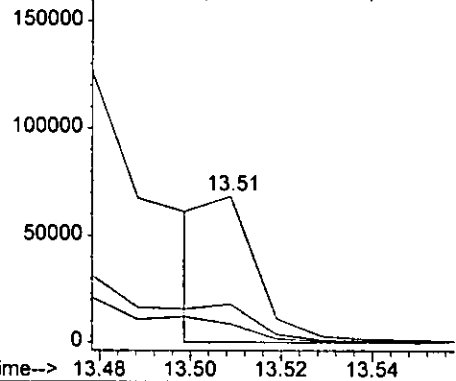


#84
 Benzo[k]fluoranthene
 Concen: 24.58 ng m
 RT: 13.51 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: 4M05728.D
 Acq: 19 Aug 2005 7:48

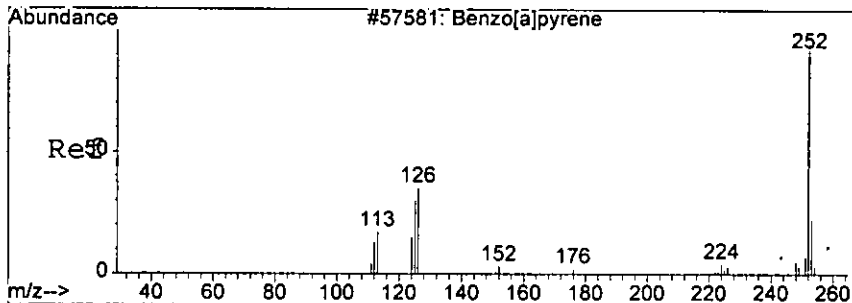
Tgt Ion	252	Resp	51377
Ion Ratio	Lower	Upper	
252	100		
253	26.2	0.0	63.5
125	12.6	0.0	53.8



Abundance Ion 252.00 (251.70 to 252.70): 4M0572
 Ion 253.00 (252.70 to 253.70): 4M0572
 Ion 125.00 (124.70 to 125.70): 4M0572



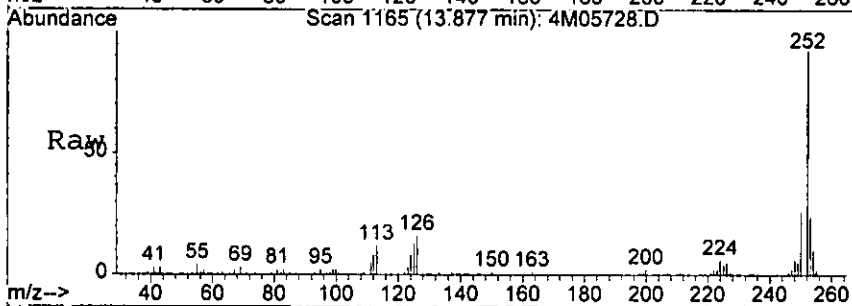
Handwritten signature



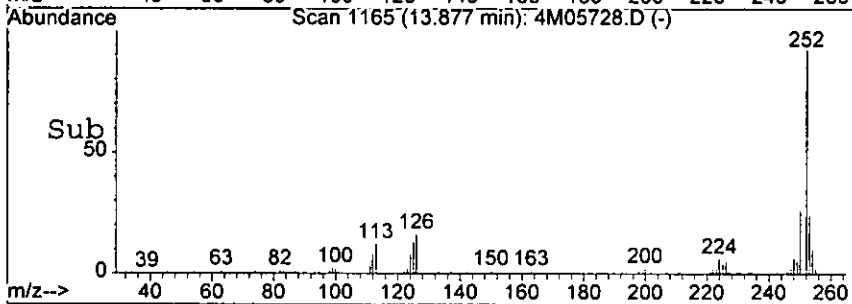
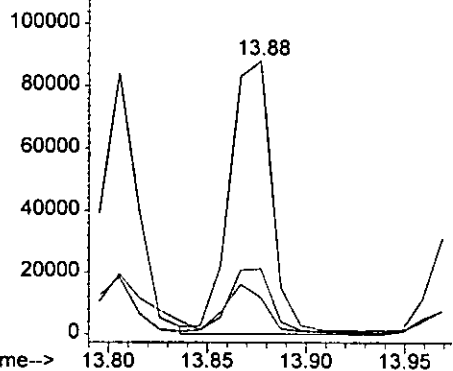
#85
 Benzo[a]pyrene
 Concen: 63.09 ng
 RT: 13.88 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: 4M05728.D
 Acq: 19 Aug 2005 7:48

0517

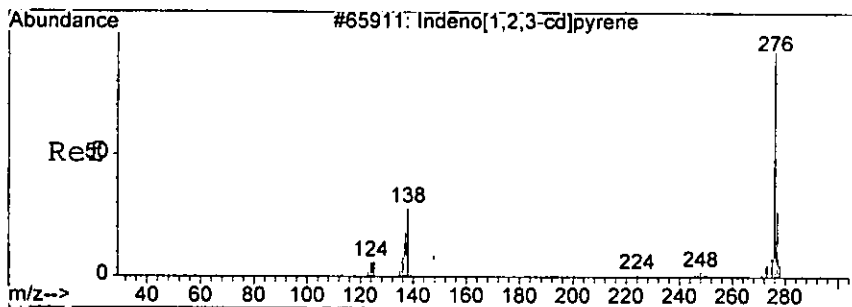
Tgt Ion	Resp	Lower	Upper
252	133569		
253	24.3	0.0	62.9
125	12.8	0.0	57.6



Abundance Ion 252.00 (251.70 to 252.70): 4M0572
 120000 Ion 253.00 (252.70 to 253.70): 4M0572
 Ion 125.00 (124.70 to 125.70): 4M0572

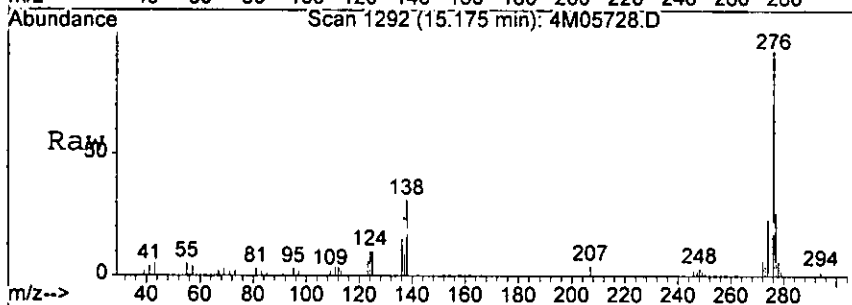


hazard

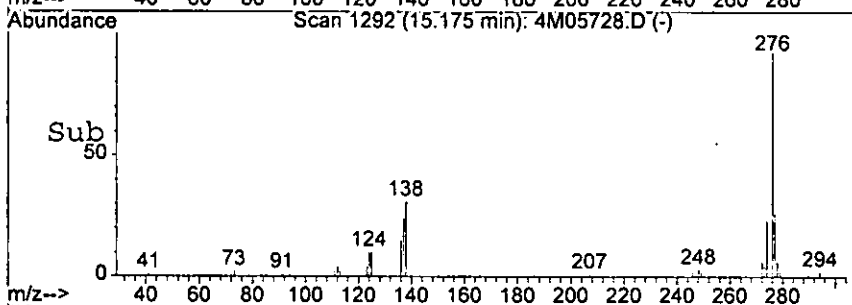
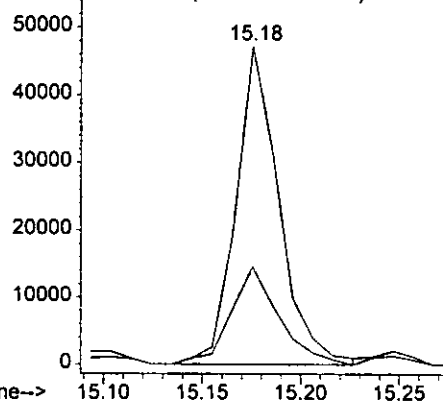


#86
 Indeno[1,2,3-cd]pyrene
 Concen: 28.28 ng
 RT: 15.18 min Scan# 1292
 Delta R.T. -0.01 min
 Lab File: 4M05728.D
 Acq: 19 Aug 2005 7:48

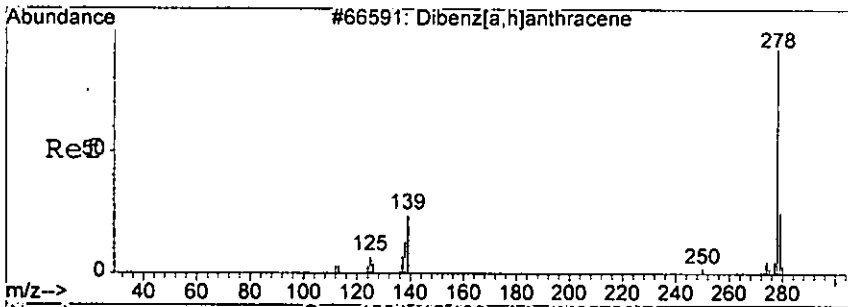
Tgt Ion: 276 Resp: 71835
 Ion Ratio Lower Upper
 276 100
 138 30.9 0.0 73.4



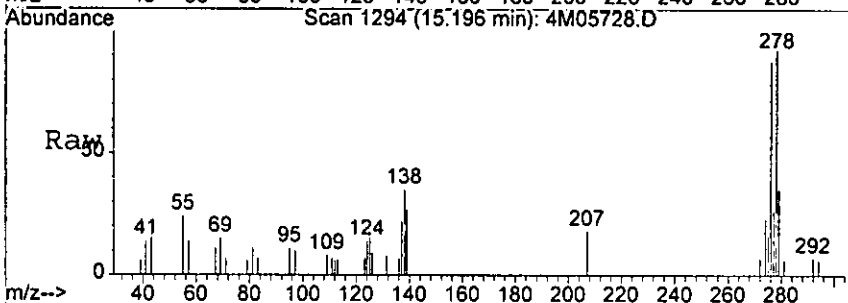
Abundance Ion 276.00 (275.70 to 276.70): 4M0572
 Ion 138.00 (137.70 to 138.70): 4M0572



Handwritten signature

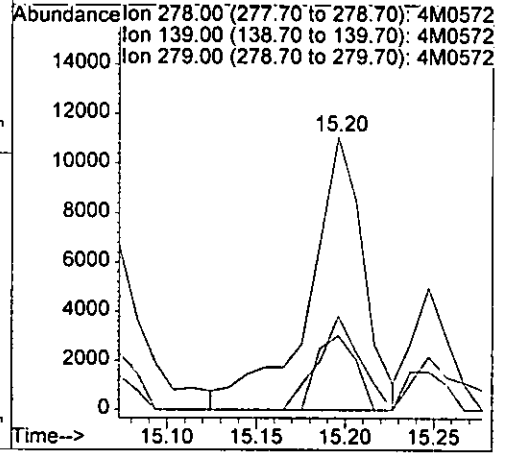
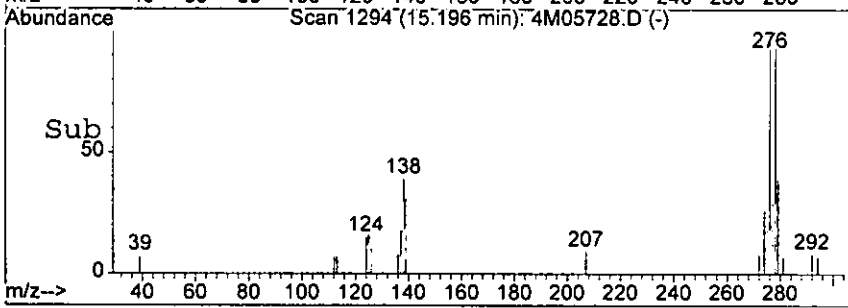


#87
 Dibenzo[a,h]anthracene
 Concen: 11.93 ng
 RT: 15.20 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: 4M05728.D
 Acq: 19 Aug 2005 7:48

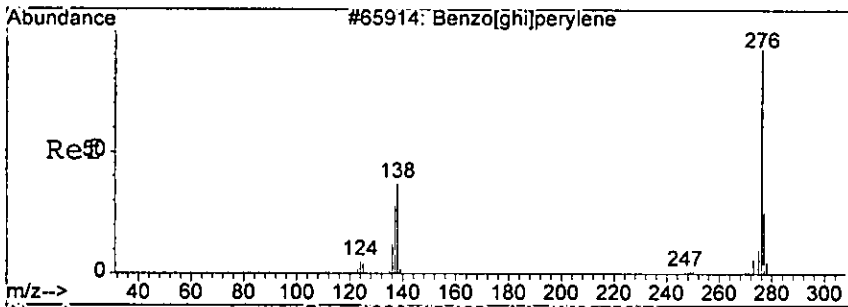


Tgt Ion: 278 Resp: 23663

Ion	Ratio	Lower	Upper
278	100		
139	29.4	0.0	63.8
279	37.2	0.0	64.0



Handwritten signature: H22ar

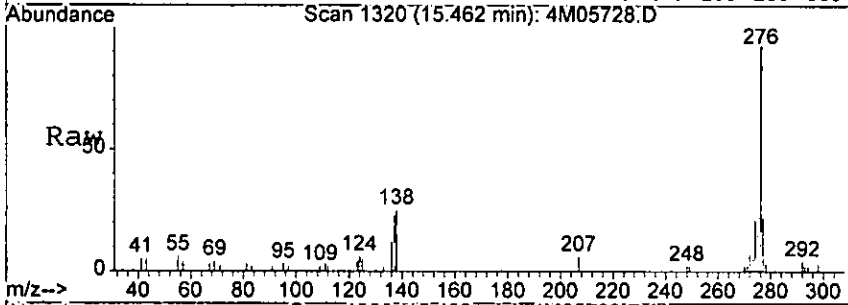


#88
 Benzo[g,h,i]perylene
 Concen: 31.86 ng
 RT: 15.46 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: 4M05728.D
 Acq: 19 Aug 2005 7:48

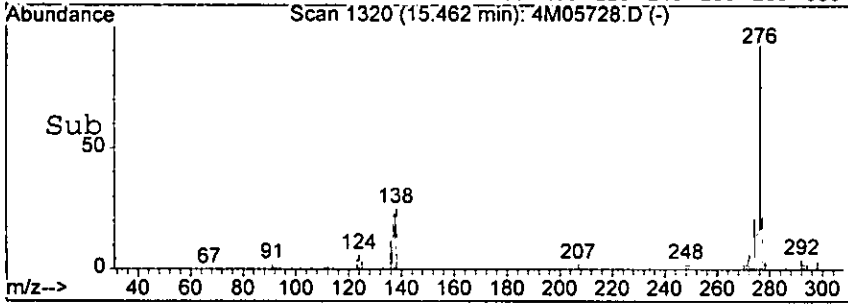
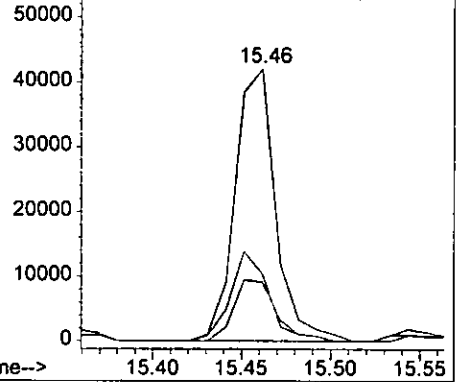
0528

Tgt Ion: 276 Resp: 66648

Ion	Ratio	Lower	Upper
276	100		
138	24.7	0.0	74.1
277	21.6	0.0	65.0



Abundance Ion 276.00 (275.70 to 276.70): 4M0572
 Ion 138.00 (137.70 to 138.70): 4M0572
 Ion 277.00 (276.70 to 277.70): 4M0572



Not

Form 1

ORGANICS SEMIVOLATILE REPORT

0521

Sample Number: AC19099-005(3X)
 Client Id: PCSB - 57 (2.5)
 Data File: 4M05729.D
 Analysis Date: 08/19/05 08:12
 Date Rec/Extracted: 08/16/05-08/17/05

Matrix: Soil
 Initial Vol: 30g
 Final Vol: 1ml
 Dilution: 3
 Solids: 87

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.031	U	205-99-2	Benzo[b]fluoranthene	0.034	6.0
95-50-1	1,2-Dichlorobenzene	0.052	U	191-24-2	Benzo[g,h,i]perylene	0.022	1.4
122-66-7	1,2-Diphenylhydrazine	0.033	U	207-08-9	Benzo[k]fluoranthene	0.037	1.6
541-73-1	1,3-Dichlorobenzene	0.048	U	111-91-1	bis(2-Chloroethoxy)methan	0.026	U
106-46-7	1,4-Dichlorobenzene	0.058	U	111-44-4	bis(2-Chloroethyl)ether	0.061	U
95-95-4	2,4,5-Trichlorophenol	1.6	U	108-60-1	bis(2-chloroisopropyl)ether	0.037	U
88-06-2	2,4,6-Trichlorophenol	2.8	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.10	U
120-83-2	2,4-Dichlorophenol	0.19	U	85-68-7	Butylbenzylphthalate	0.046	U
105-67-9	2,4-Dimethylphenol	0.16	U	86-74-8	Carbazole	0.034	0.99
51-28-5	2,4-Dinitrophenol	0.78	U	218-01-9	Chrysene	0.024	4.4
121-14-2	2,4-Dinitrotoluene	0.043	U	84-74-2	Di-n-butylphthalate	0.026	U
606-20-2	2,6-Dinitrotoluene	0.047	U	117-84-0	Di-n-octylphthalate	0.027	U
91-58-7	2-Chloronaphthalene	0.032	U	53-70-3	Dibenzo[a,h]anthracene	0.040	0.49
95-57-8	2-Chlorophenol	0.23	U	132-64-9	Dibenzofuran	0.15	0.45
91-57-6	2-Methylnaphthalene	0.15	0.25	84-66-2	Diethylphthalate	0.032	U
95-48-7	2-Methylphenol	0.55	U	131-11-3	Dimethylphthalate	0.026	U
88-74-4	2-Nitroaniline	0.081	U	206-44-0	Fluoranthene	0.033	9.5
88-75-5	2-Nitrophenol	0.13	U	86-73-7	Fluorene	0.029	0.87
106-44-5	3&4-Methylphenol	0.61	U	118-74-1	Hexachlorobenzene	0.053	U
91-94-1	3,3'-Dichlorobenzidine	0.25	U	87-68-3	Hexachlorobutadiene	0.049	U
99-09-2	3-Nitroaniline	0.48	U	77-47-4	Hexachlorocyclopentadiene	0.31	U
534-52-1	4,6-Dinitro-2-methylphenol	0.22	U	67-72-1	Hexachloroethane	0.086	U
101-55-3	4-Bromophenyl-phenylether	0.044	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.016	1.3
59-50-7	4-Chloro-3-methylphenol	0.29	U	78-59-1	Isophorone	0.035	U
106-47-8	4-Chloroaniline	0.89	U	621-64-7	N-Nitroso-di-n-propylamine	0.056	U
7005-72-3	4-Chlorophenyl-phenylether	0.053	U	62-75-9	N-Nitrosodimethylamine	1.4	U
100-01-6	4-Nitroaniline	0.28	U	86-30-6	n-Nitrosodiphenylamine	0.055	U
100-02-7	4-Nitrophenol	0.20	U	91-20-3	Naphthalene	0.027	0.55
83-32-9	Acenaphthene	0.048	0.61	98-95-3	Nitrobenzene	0.046	U
208-96-8	Acenaphthylene	0.027	0.12	87-86-5	Pentachlorophenol	0.14	U
120-12-7	Anthracene	0.030	2.2	85-01-8	Phenanthrene	0.026	7.1
92-87-5	Benzidine	0.26	U	108-95-2	Phenol	0.18	U
56-55-3	Benzo[a]anthracene	0.020	4.7	129-00-0	Pyrene	0.027	9.1
50-32-8	Benzo[a]pyrene	0.026	4.1				

Worksheet #: 18797

Total Target Concentration 55.73

U - Indicates the compound was analyzed but not detected.
 B - Indicates the analyte was found in the blank as well as in the sample.
 E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
 J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

0522

Data File : G:\GcMsData\2005\Gcms_4\Data\08-19-05\4M05729.D Vial: 4
 Acq On : 19 Aug 2005 8:12 Operator: AHD
 Sample : AC19099-005(3X) Inst : GCMS_4
 Misc : S,BNA:3 Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Aug 29 16:17 2005

Quant Results File: 4M_0818.RES

Quant Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration
 DataAcq Meth : 4M_0818

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.78	152	48394	40.00	ng	0.00
19) Naphthalene-d8	5.77	136	160105	40.00	ng	0.00
35) Acenaphthene-d10	7.31	164	92307	40.00	ng	-0.02
59) Phenanthrene-d10	8.91	188	166667	40.00	ng	0.00
72) Chrysene-d12	12.10	240	131241	40.00	ng	0.00
81) Perylene-d12	13.93	264	67817	40.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	3.61	112	67808	50.66	ng	0.00
Spiked Amount	200.000		Recovery	=	25.33%	
7) Phenol-d5	4.49	99	91349	54.03	ng	-0.02
Spiked Amount	200.000		Recovery	=	27.02%	
20) Nitrobenzene-d5	5.22	128	18411	24.88	ng	0.00
Spiked Amount	100.000		Recovery	=	24.88%	
40) 2-Fluorobiphenyl	6.68	172	78419	26.89	ng	0.00
Spiked Amount	100.000		Recovery	=	26.89%	
62) 2,4,6-Tribromophenol	8.14	332	35593	52.75	ng	0.00
Spiked Amount	200.000		Recovery	=	26.38%	
75) Terphenyl-d14	10.81	244	98063	31.82	ng	0.00
Spiked Amount	100.000		Recovery	=	31.82%	

Target Compounds

						Qvalue
29) Naphthalene	5.78	128	18265	4.81	ng	96
33) 2-Methylnaphthalene	6.36	142	5585	2.17	ng	95
46) Acenaphthylene	7.18	152	4310	1.05	ng	95
49) Acenaphthene	7.35	153	13622	5.32	ng	94
52) Dibenzofuran	7.53	168	14339	3.93	ng	97
55) Fluorene	7.88	166	20837	7.55	ng	93
67) Phenanthrene	8.94	178	266753	61.49	ng	99
68) Anthracene	9.00	178	81907	18.77	ng	96
69) Carbazole	9.19	167	36506	8.64	ng	98
71) Fluoranthene	10.33	202	390402	82.99	ng	87
73) Pyrene	10.58	202	355471	79.05	ng	98
78) Benzo[a]anthracene	12.08	228	167677	40.78	ng	98
79) Chrysene	12.13	228	150750	38.55	ng	98
83) Benzo[b]fluoranthene	13.47	252	130593m	52.42	ng	
84) Benzo[k]fluoranthene	13.50	252	30246m	13.63	ng	
85) Benzo[a]pyrene	13.87	252	80932	36.02	ng	96
86) Indeno[1,2,3-cd]pyrene	15.16	276	31392	11.64	ng	95
87) Dibenzo[a,h]anthracene	15.19	278	9021	4.28	ng	87
88) Benzo[g,h,i]perylene	15.45	276	27666	12.46	ng	93

(#) = qualifier out of range (m) = manual integration

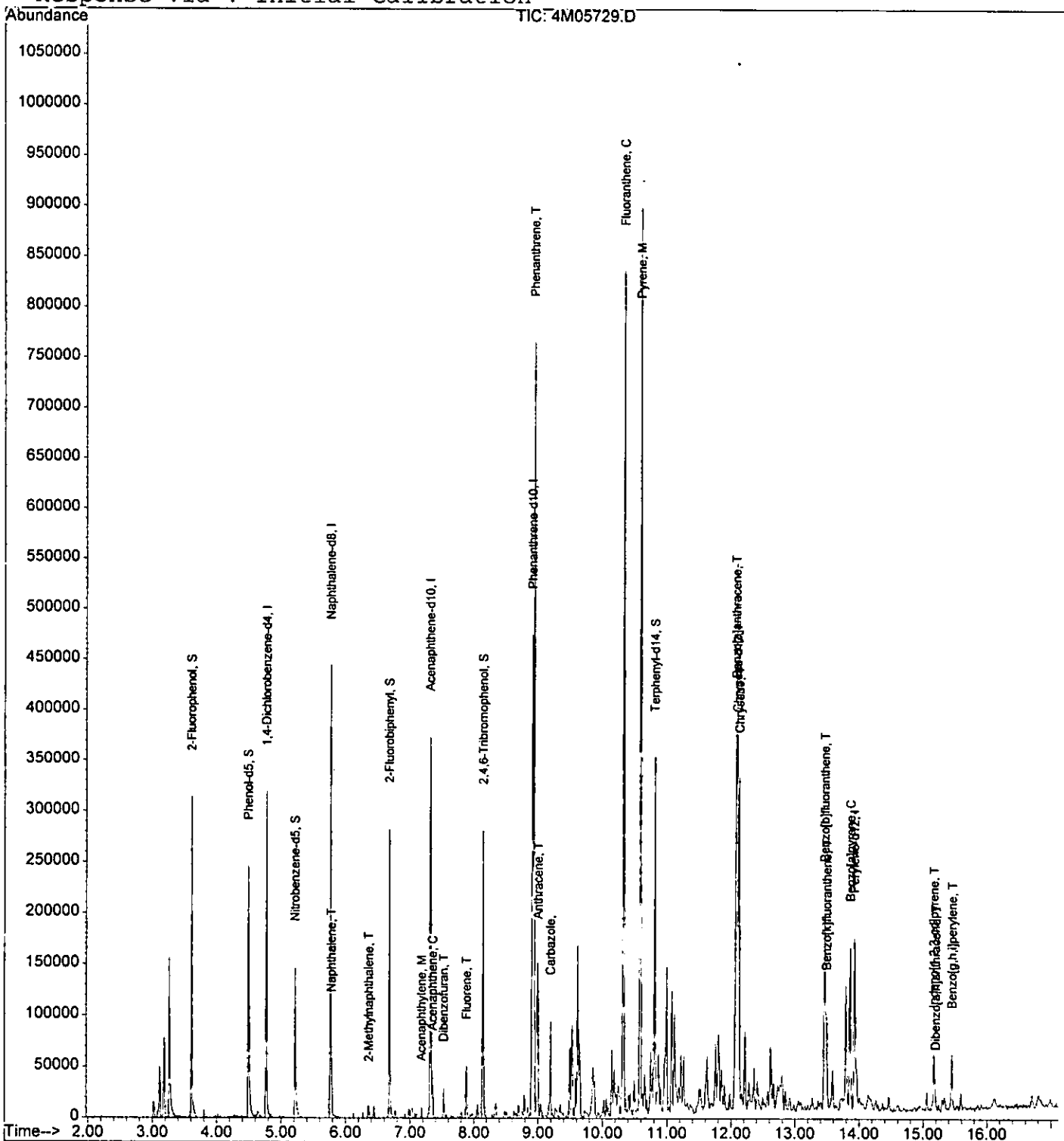
Near

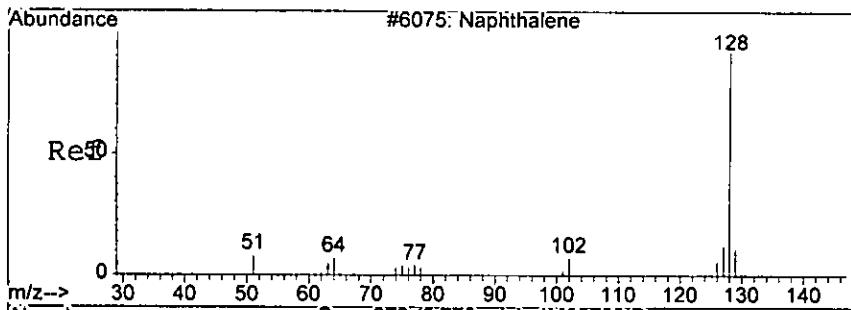
Quantitation Report

Data File : G:\GcMsData\2005\Gcms_4\Data\08-19-05\4M05729.D Vial: 4
Acq On : 19 Aug 2005 8:12 Operator: AHD
Sample : AC19099-005(3X) Inst : GCMS_4
Misc : S,BNA:3 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 29 16:17 2005

Quant Results File: 4M_0818.RES

Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
Title : @GCMS_4,mg,625,8270
Last Update : Thu Aug 18 14:49:57 2005
Response via : Initial Calibration

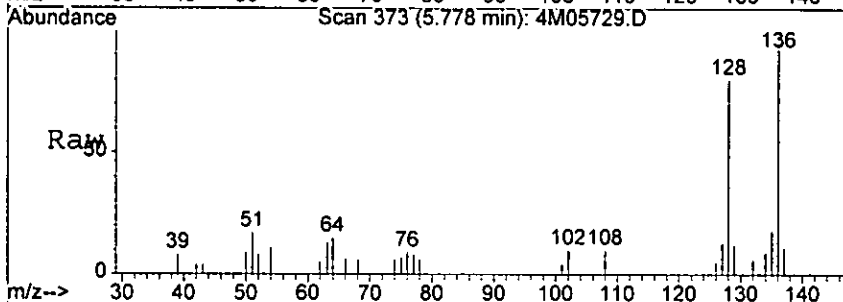




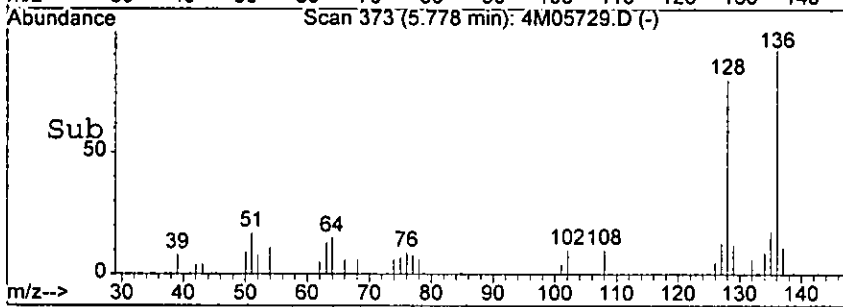
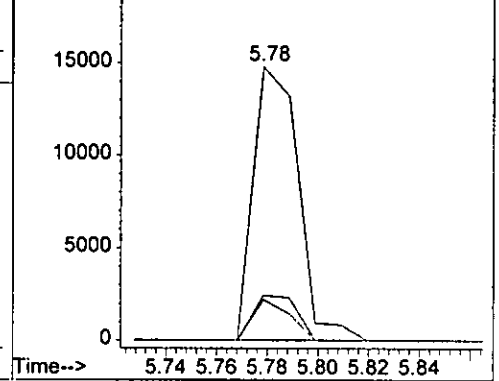
#29
 Naphthalene
 Concen: 4.81 ng
 RT: 5.78 min Scan# 373
 Delta R.T. -0.02 min
 Lab File: 4M05729.D
 Acq: 19 Aug 2005 8:12

0524

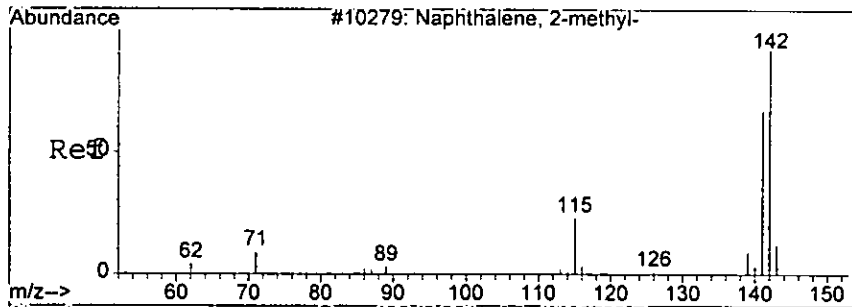
Tgt Ion	128	129	127	Resp	18265	0.0	0.0	Lower	Upper
Ion Ratio	100	14.9	16.4						
						51.8	57.0		



Abundance Ion 128.00 (127.70 to 128.70): 4M0572
 20000 Ion 129.00 (128.70 to 129.70): 4M0572
 Ion 127.00 (126.70 to 127.70): 4M0572



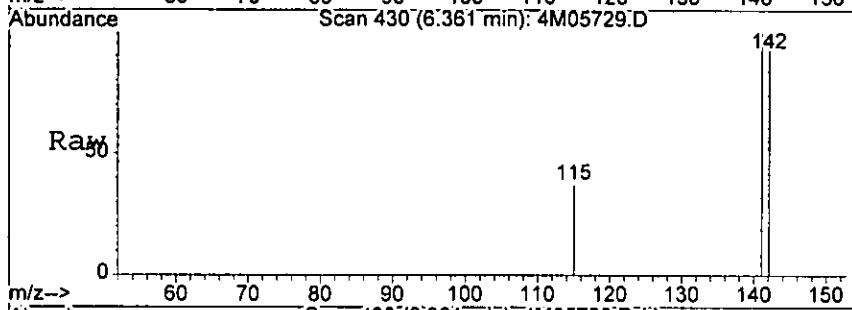
Handwritten signature



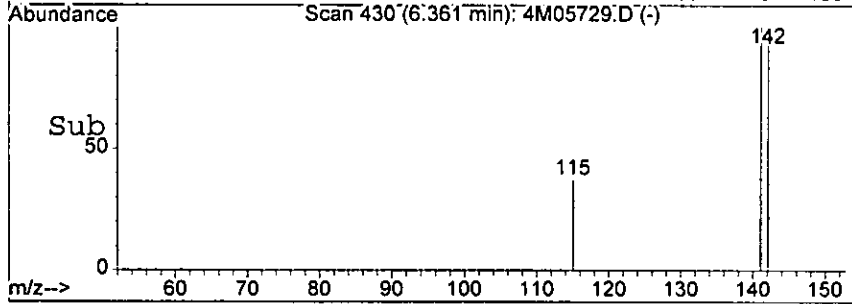
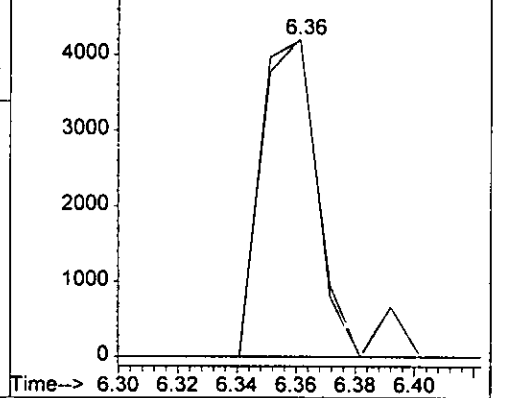
#33
 2-Methylnaphthalene
 Concen: 2.17 ng
 RT: 6.36 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: 4M05729.D
 Acq: 19 Aug 2005 8:12

0525

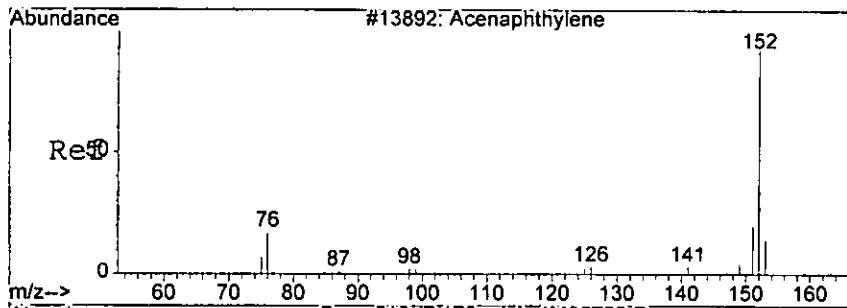
Tgt Ion: 142 Resp: 5585
 Ion Ratio Lower Upper
 142 100
 141 100.5 55.7 135.7



Abundance Ion 142.00 (141.70 to 142.70): 4M0572
 Ion 141.00 (140.70 to 141.70): 4M0572

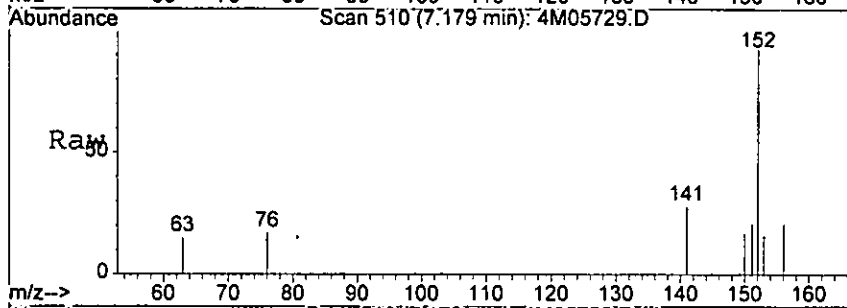


lezar



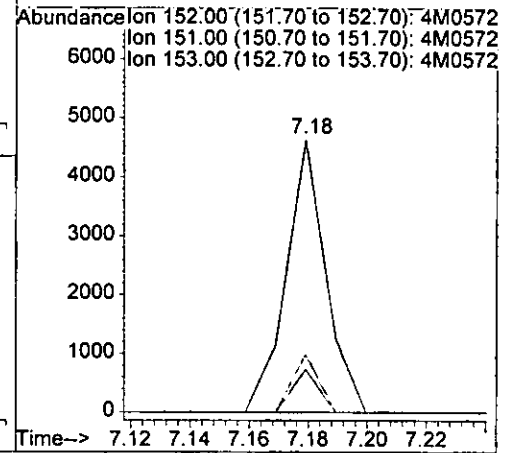
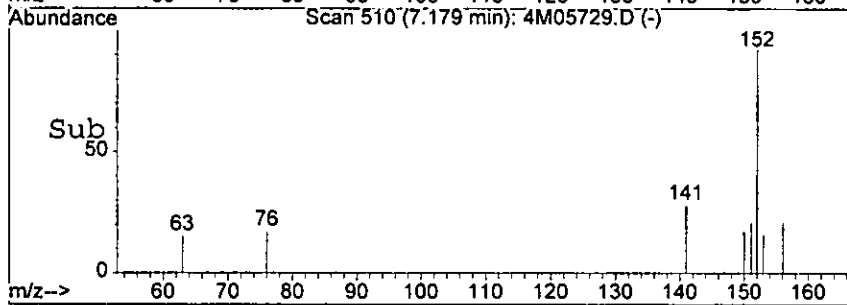
#46
 Acenaphthylene
 Concen: 1.05 ng
 RT: 7.18 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: 4M05729.D
 Acq: 19 Aug 2005 8:12

0526

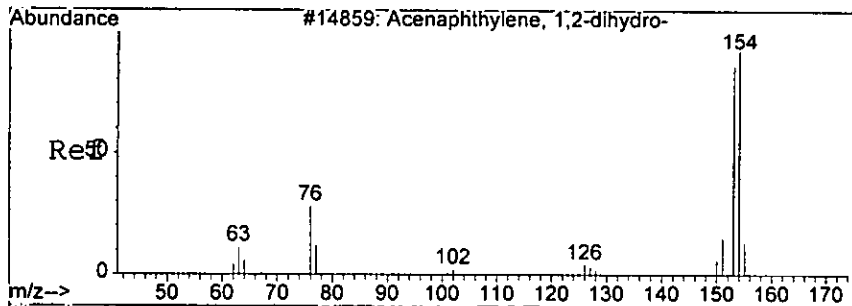


Tgt Ion: 152 Resp: 4310

Ion	Ratio	Lower	Upper
152	100		
151	21.2	0.0	63.6
153	15.8	0.0	53.8



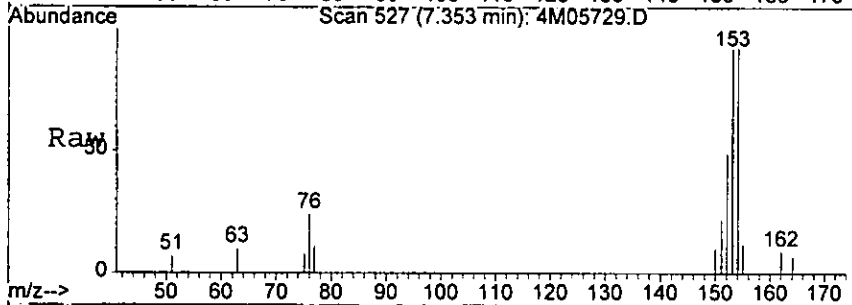
182ar



#49
 Acenaphthene
 Concen: 5.32 ng
 RT: 7.35 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: 4M05729.D
 Acq: 19 Aug 2005 8:12

0527

Tgt Ion	Resp	Lower	Upper
153	13622		
153	100		
152	49.3	8.3	88.3
154	92.7	45.1	125.1

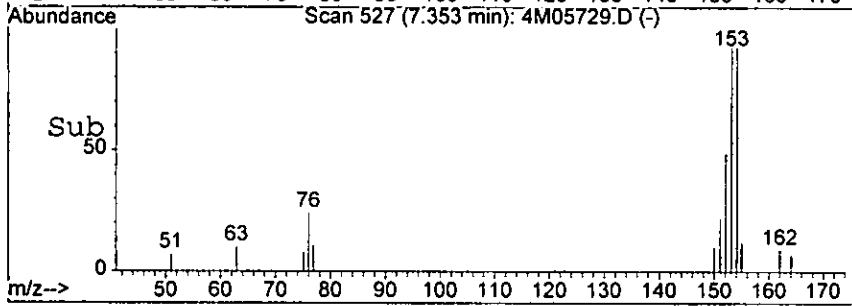
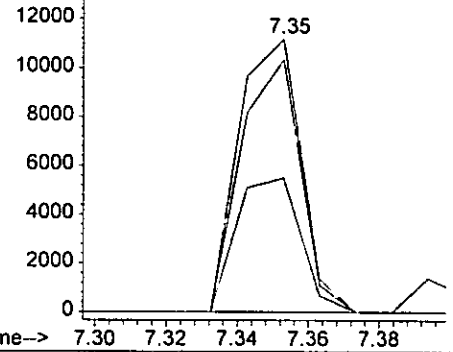


Abundance

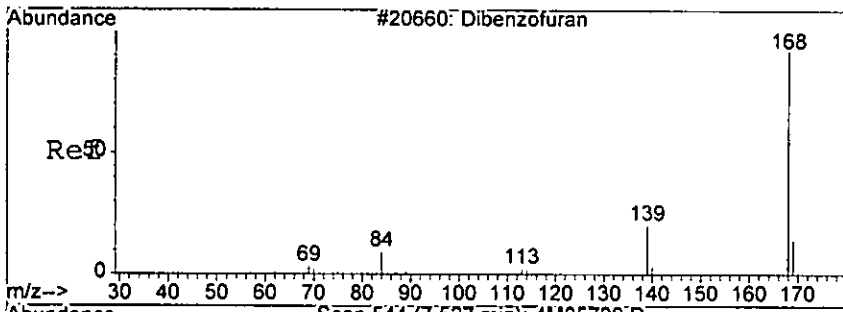
Ion 153.00 (152.70 to 153.70): 4M0572

Ion 152.00 (151.70 to 152.70): 4M0572

Ion 154.00 (153.70 to 154.70): 4M0572

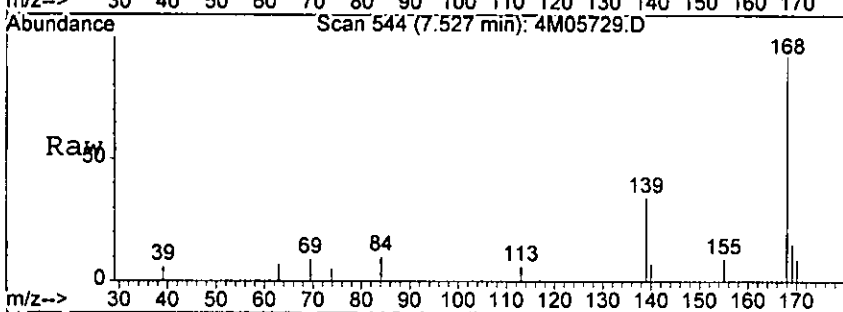


LP

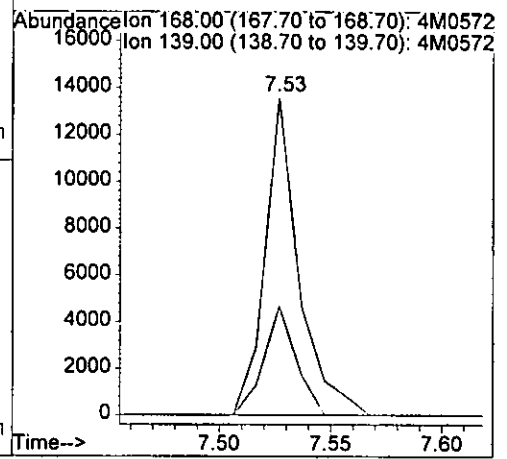
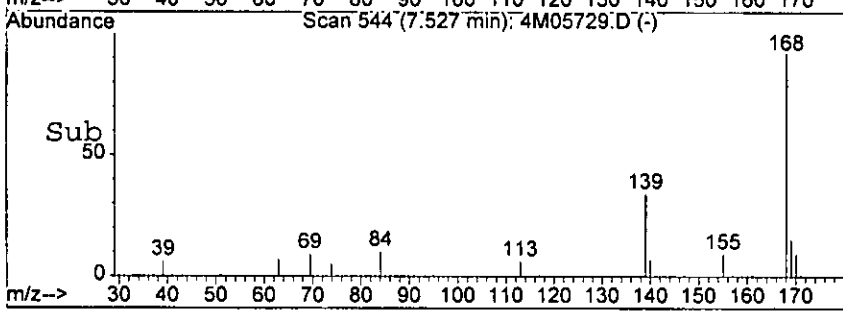


#52
 Dibenzofuran
 Concn: 3.93 ng
 RT: 7.53 min Scan# 544
 Delta R.T. -0.01 min
 Lab File: 4M05729.D
 Acq: 19 Aug 2005 8:12

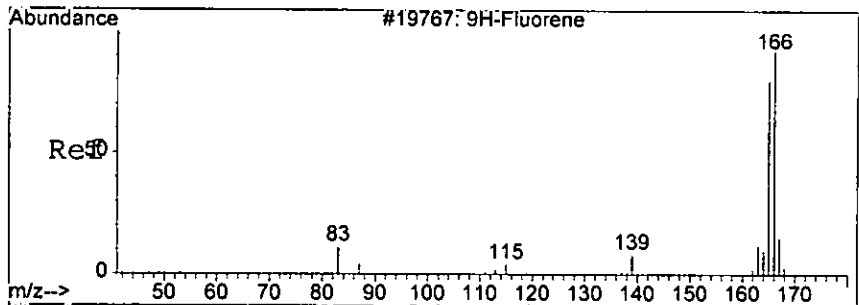
0528



Tgt Ion: 168 Resp: 14339
 Ion Ratio Lower Upper
 168 100
 139 34.3 6.0 66.0



hcar

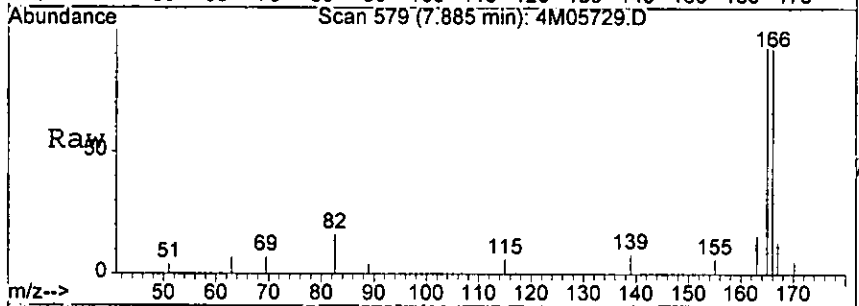


#55
 Fluorene
 Concen: 7.55 ng
 RT: 7.88 min Scan# 579
 Delta R.T. -0.01 min
 Lab File: 4M05729.D
 Acq: 19 Aug 2005 8:12

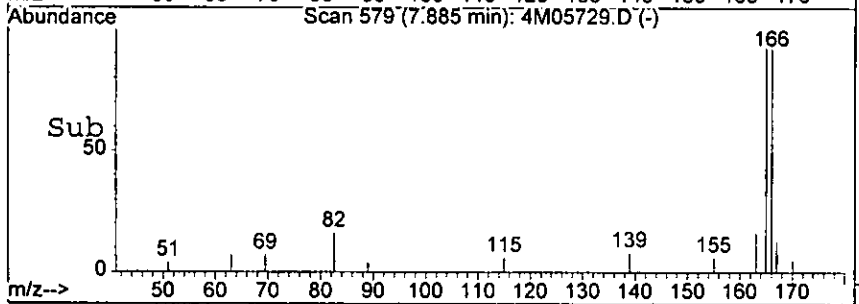
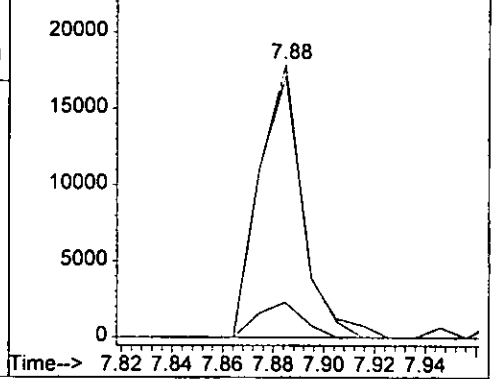
0529

Tgt Ion: 166 Resp: 20837

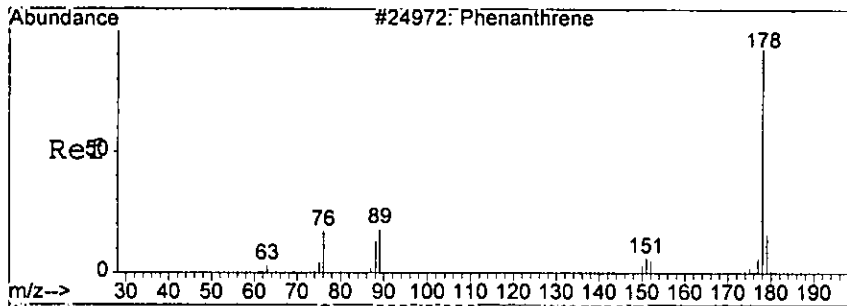
Ion	Ratio	Lower	Upper
166	100		
165	96.0	63.3	143.3
167	12.9	0.0	54.6



Abundance Ion 166.00 (165.70 to 166.70): 4M0572
 Ion 165.00 (164.70 to 165.70): 4M0572
 Ion 167.00 (166.70 to 167.70): 4M0572



hba

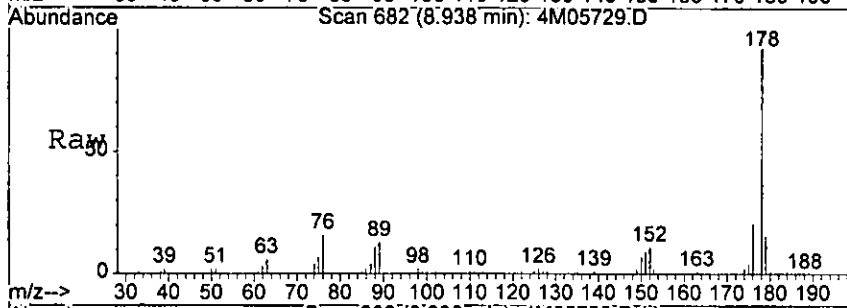


#67
 Phenanthrene
 Concen: 61.49 ng
 RT: 8.94 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: 4M05729.D
 Acq: 19 Aug 2005 8:12

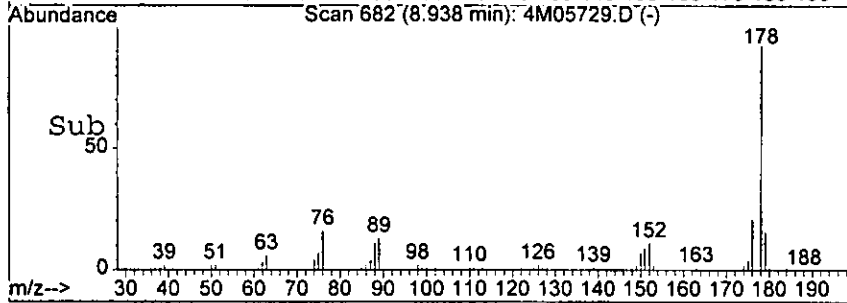
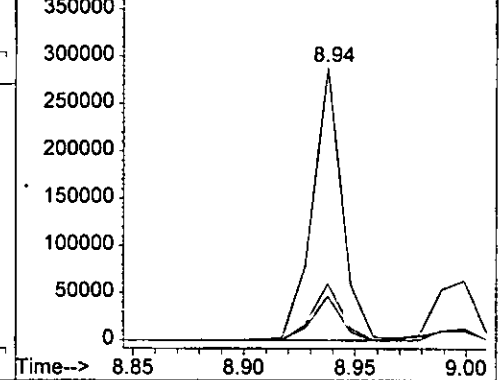
0538

Tgt Ion: 178 Resp: 266753

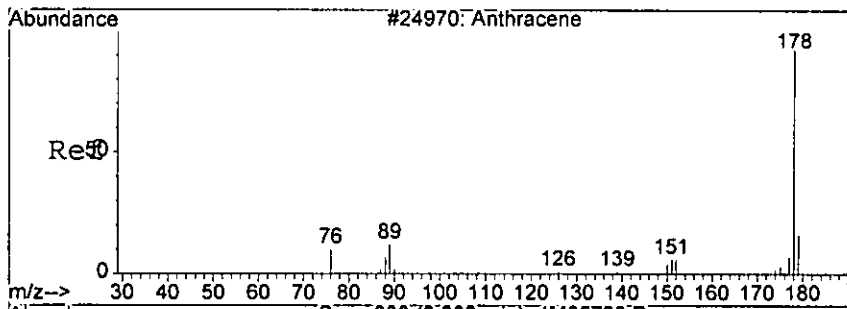
Ion	Ratio	Lower	Upper
178	100		
179	16.2	0.0	56.6
176	20.7	0.0	60.5



Abundance Ion 178.00 (177.70 to 178.70): 4M0572
 Ion 179.00 (178.70 to 179.70): 4M0572
 Ion 176.00 (175.70 to 176.70): 4M0572



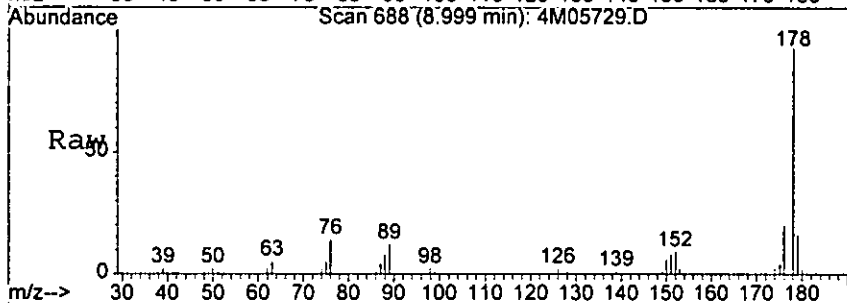
h2a



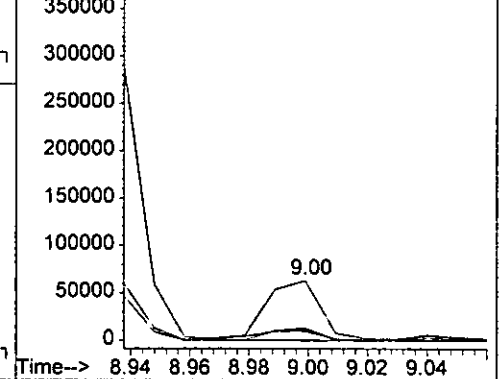
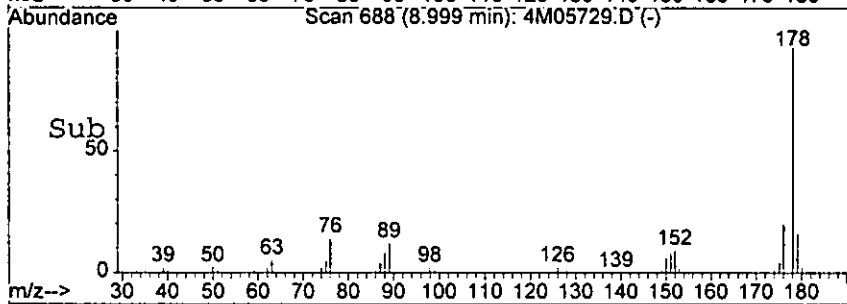
#68
 Anthracene
 Concen: 18.77 ng
 RT: 9.00 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: 4M05729.D
 Acq: 19 Aug 2005 8:12

0531

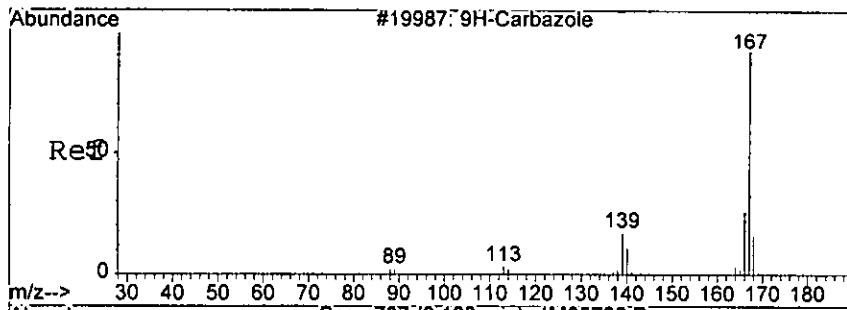
Tgt Ion	Resp	Lower	Upper
178	81907	100	
179	13.9	0.0	56.6
176	20.8	0.0	60.2



Abundance
 Ion 178.00 (177.70 to 178.70): 4M0572
 Ion 179.00 (178.70 to 179.70): 4M0572
 Ion 176.00 (175.70 to 176.70): 4M0572

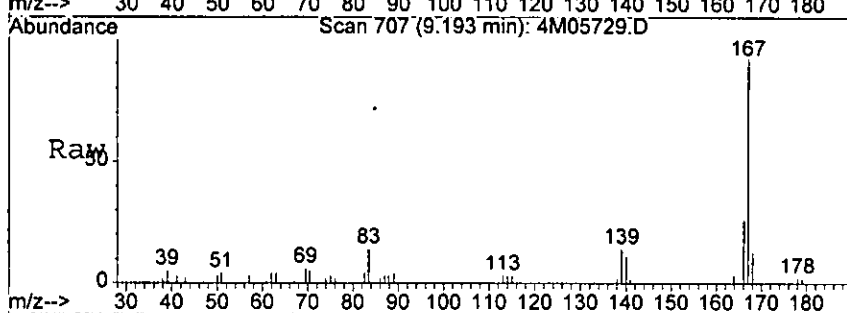


LPAR



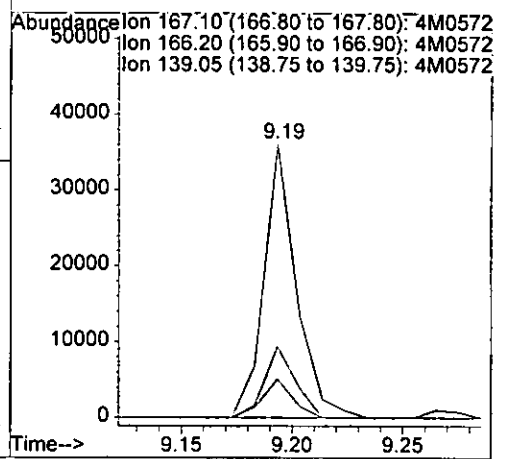
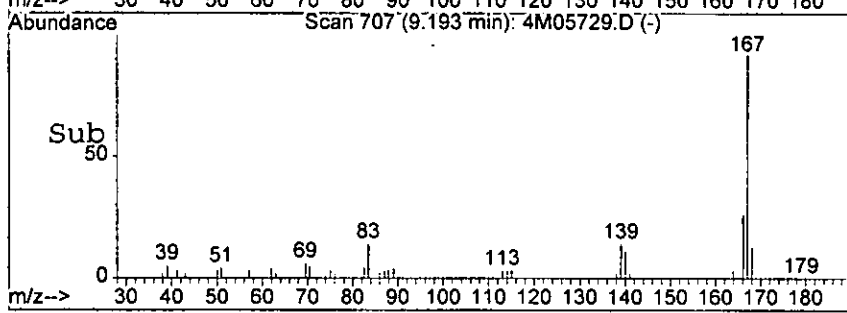
#69
 Carbazole
 Concen: 8.64 ng
 RT: 9.19 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: 4M05729.D
 Acq: 19 Aug 2005 8:12

0532

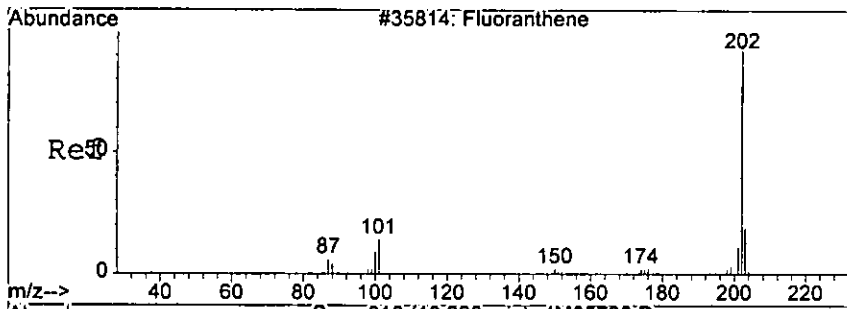


Tgt Ion: 167 Resp: 36506

Ion	Ratio	Lower	Upper
167	100		
166	26.0	4.9	44.9
139	14.1	0.0	33.9



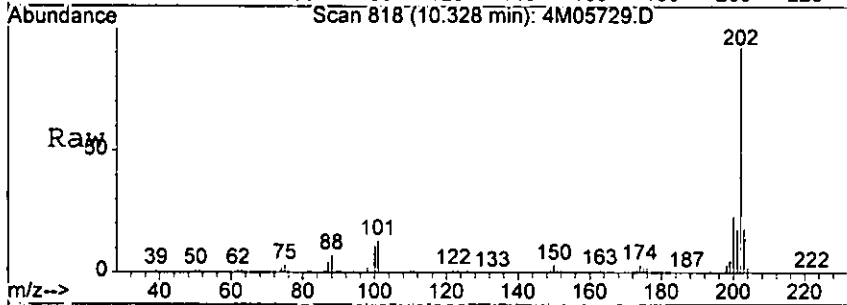
hcar



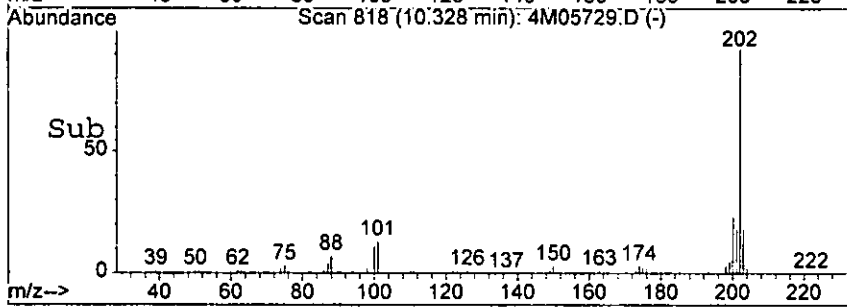
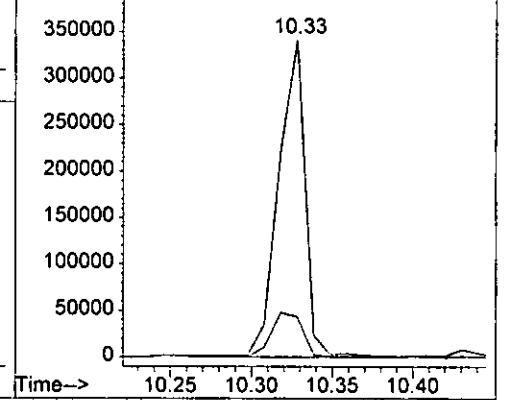
#71
 Fluoranthene
 Concen: 82.99 ng
 RT: 10.33 min Scan# 818
 Delta R.T. 0.00 min
 Lab File: 4M05729.D
 Acq: 19 Aug 2005 8:12

0533

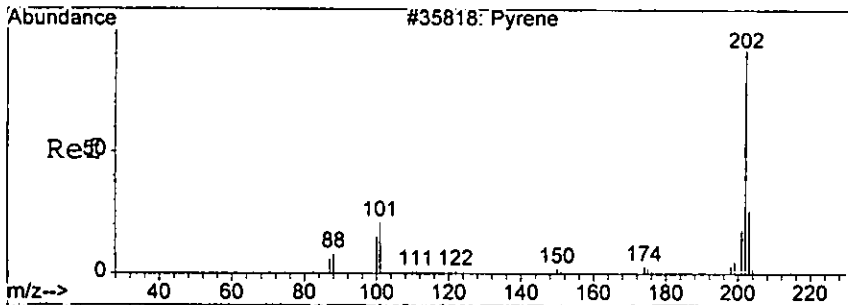
Tgt Ion: 202 Resp: 390402
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 58.3



Abundance Ion 202.00 (201.70 to 202.70): 4M0572
 400000 Ion 101.00 (100.70 to 101.70): 4M0572



Handwritten signature

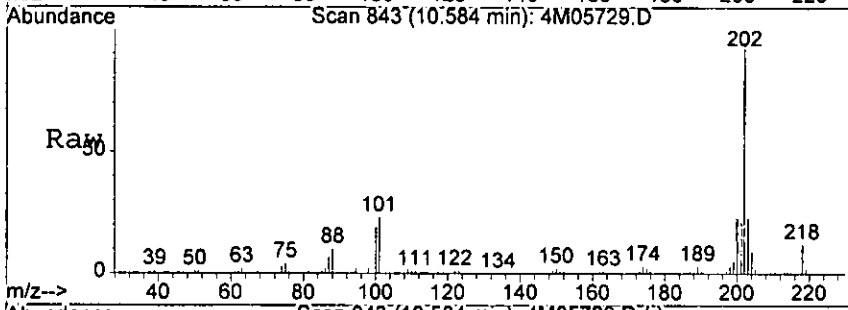


#73
 Pyrene
 Concen: 79.05 ng
 RT: 10.58 min Scan# 843
 Delta R.T. -0.01 min
 Lab File: 4M05729.D
 Acq: 19 Aug 2005 8:12

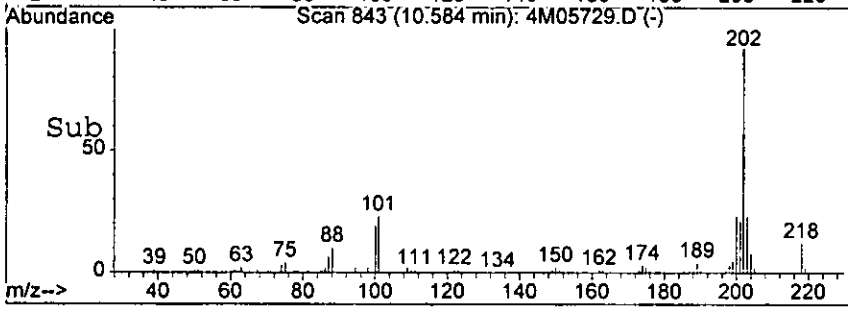
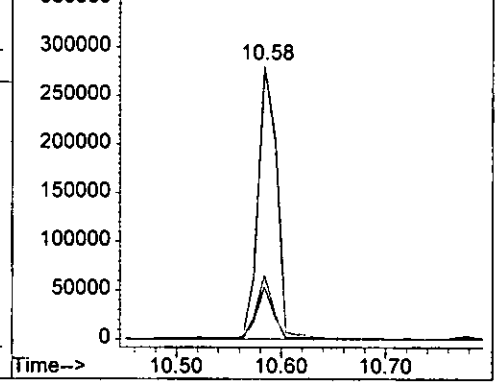
0524

Tgt Ion: 202 Resp: 355471

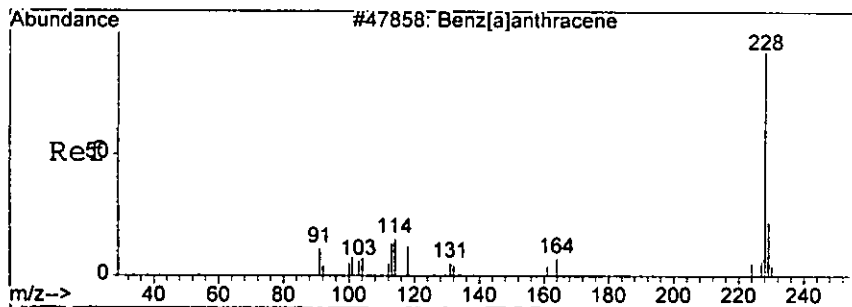
Ion	Ratio	Lower	Upper
202	100		
101	23.2	0.0	62.7
100	19.1	0.0	60.5



Abundance Ion 202.00 (201.70 to 202.70): 4M0572
 Ion 101.00 (100.70 to 101.70): 4M0572
 Ion 100.00 (99.70 to 100.70): 4M05729



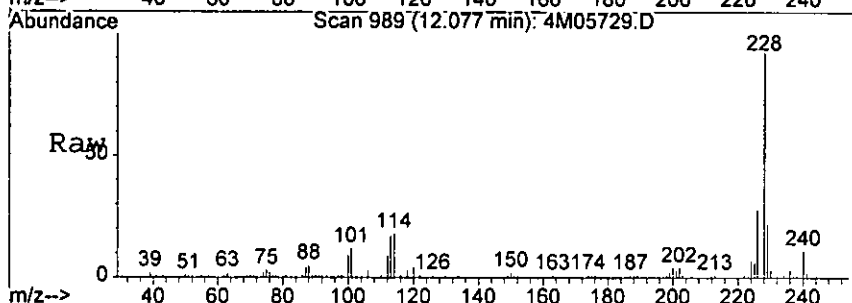
Handwritten signature



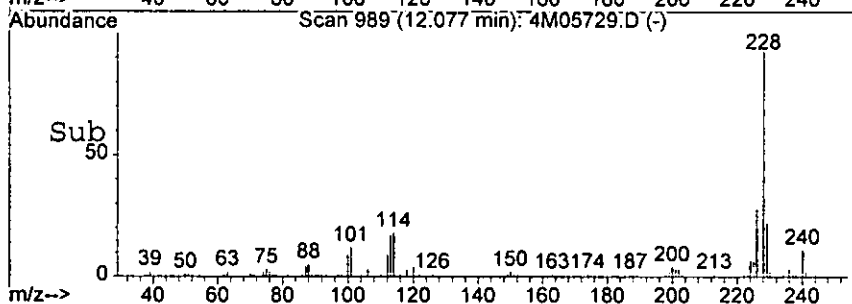
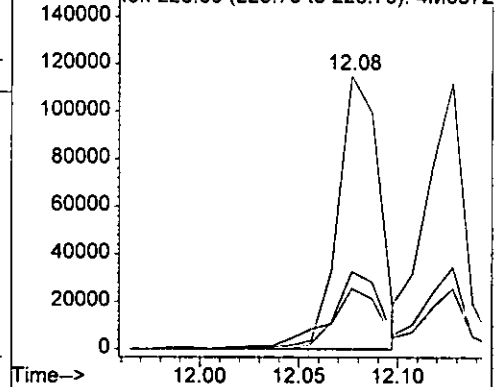
#78
 Benzo[a]anthracene
 Concen: 40.78 ng
 RT: 12.08 min Scan# 989
 Delta R.T. -0.01 min
 Lab File: 4M05729.D
 Acq: 19 Aug 2005 8:12

Tgt Ion: 228 Resp: 167677

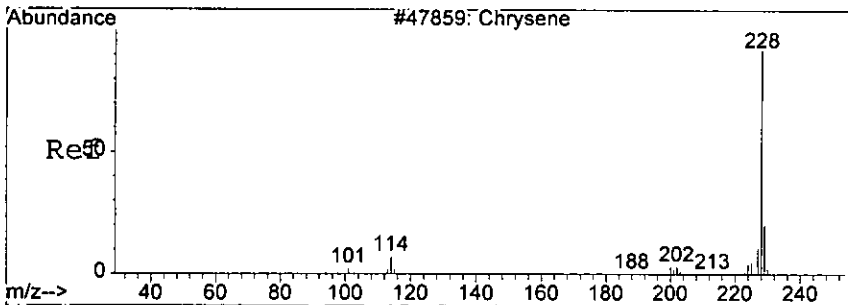
Ion	Ratio	Lower	Upper
228	100		
229	22.3	0.0	60.5
226	28.3	0.0	69.0



Abundance
 Ion 228.00 (227.70 to 228.70): 4M0572
 Ion 229.00 (228.70 to 229.70): 4M0572
 Ion 226.00 (225.70 to 226.70): 4M0572



Handwritten signature

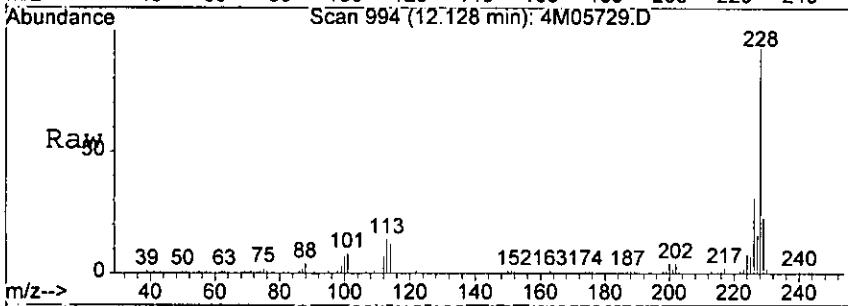


#79
 Chrysene
 Concen: 38.55 ng
 RT: 12.13 min Scan# 994
 Delta R.T. -0.01 min
 Lab File: 4M05729.D
 Acq: 19 Aug 2005 8:12

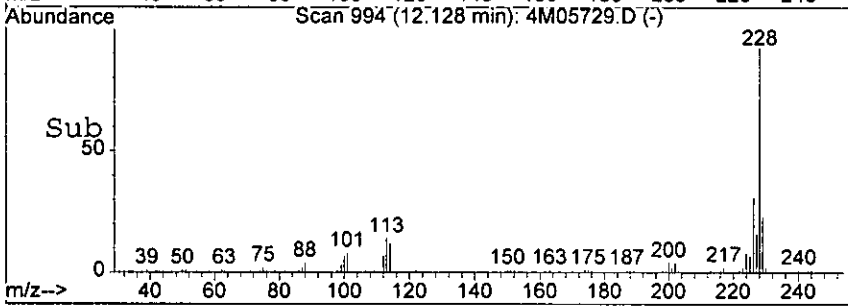
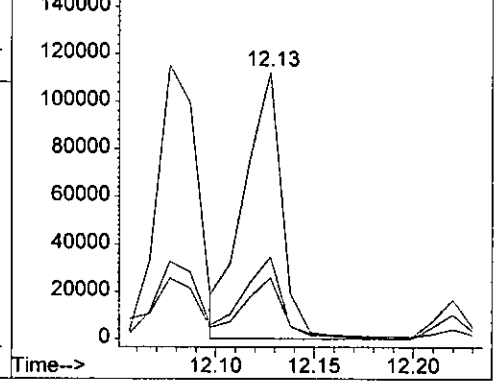
0536

Tgt Ion: 228 Resp: 150750

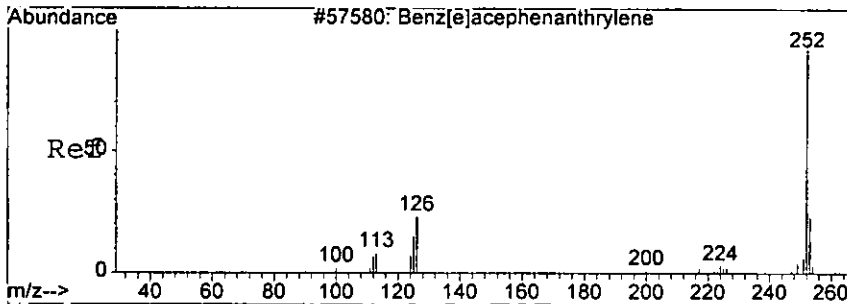
Ion	Ratio	Lower	Upper
228	100		
226	30.8	12.0	52.0
229	21.9	0.0	61.1



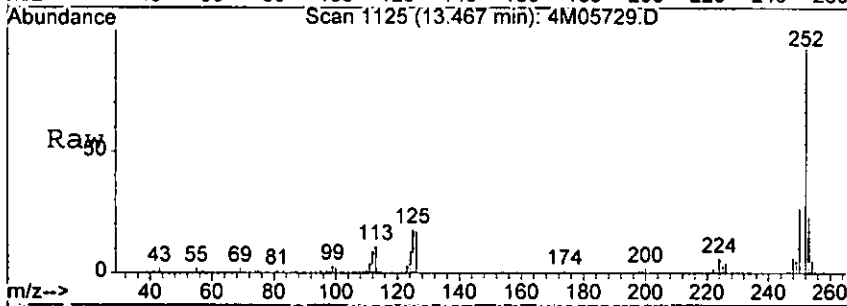
Abundance Ion 228.00 (227.70 to 228.70): 4M0572
 Ion 226.00 (225.70 to 226.70): 4M0572
 Ion 229.00 (228.70 to 229.70): 4M0572



Linear

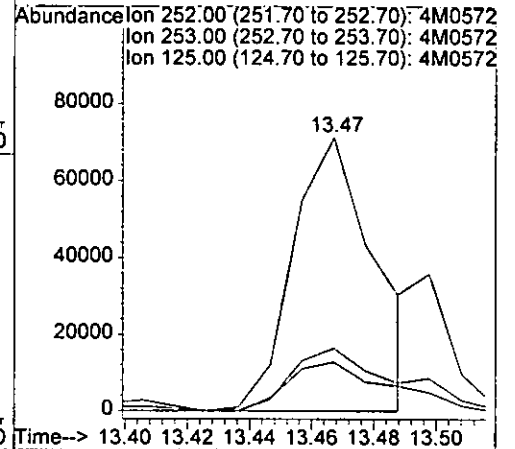
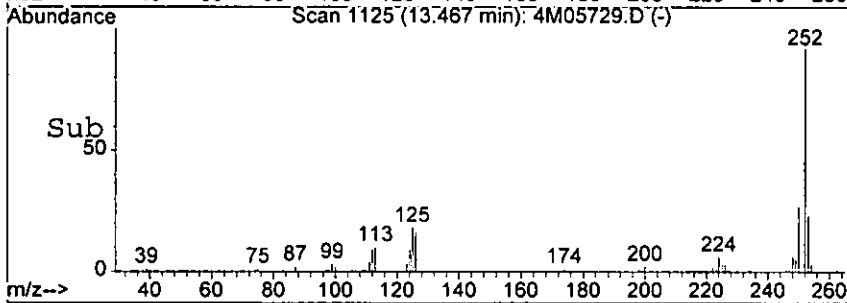


#83
 Benzo [b] fluoranthene **0537**
 Concen: 52.42 ng m
 RT: 13.47 min Scan# 1125
 Delta R.T. -0.01 min
 Lab File: 4M05729.D
 Acq: 19 Aug 2005 8:12

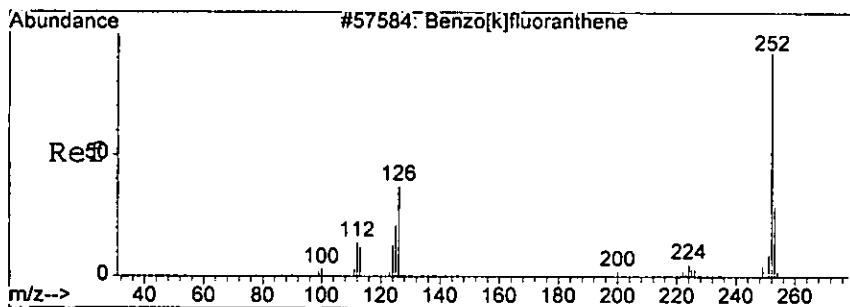


Tgt Ion: 252 Resp: 130593

Ion	Ratio	Lower	Upper
252	100		
253	23.0	0.0	63.3
125	18.0	0.0	57.6



Handwritten signature

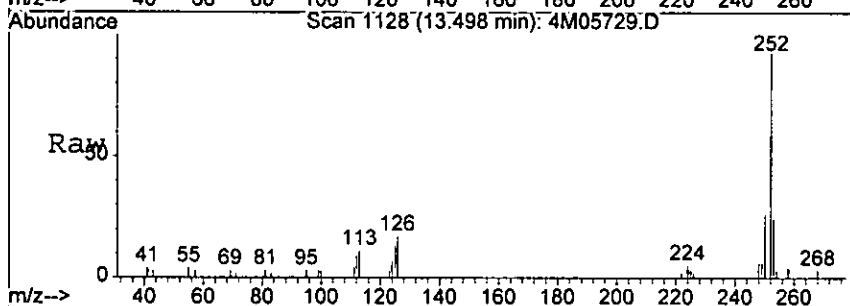


#84
 Benzo[k]fluoranthene
 Concen: 13.63 ng m
 RT: 13.50 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: 4M05729.D
 Acq: 19 Aug 2005 8:12

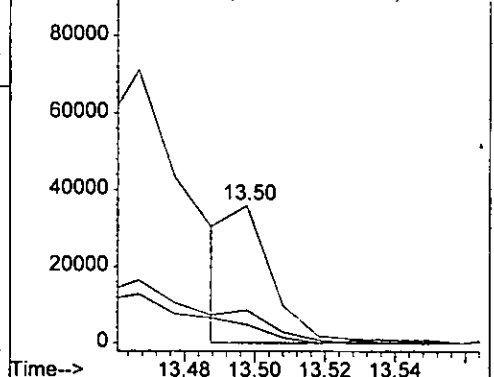
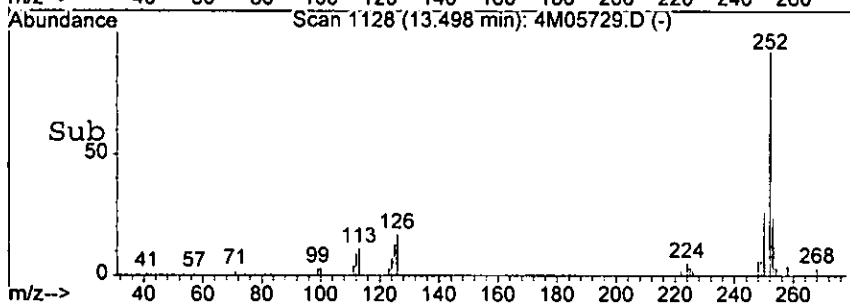
0530

Tgt Ion: 252 Resp: 30246

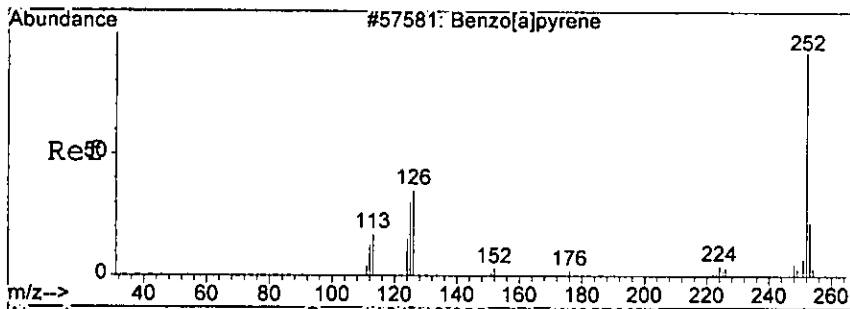
Ion	Ratio	Lower	Upper
252	100		
253	23.8	0.0	63.5
125	13.4	0.0	53.8



Abundance Ion 252.00 (251.70 to 252.70): 4M0572
 Ion 253.00 (252.70 to 253.70): 4M0572
 Ion 125.00 (124.70 to 125.70): 4M0572



Handwritten signature

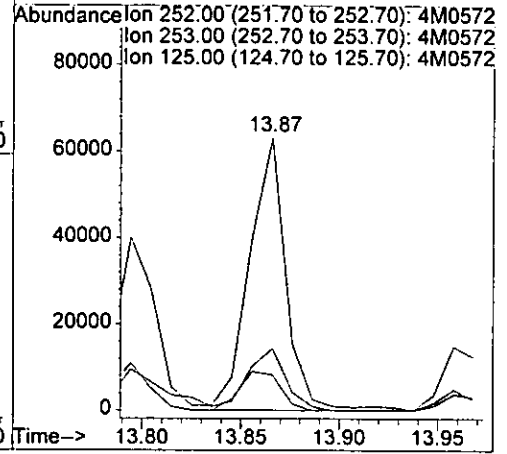
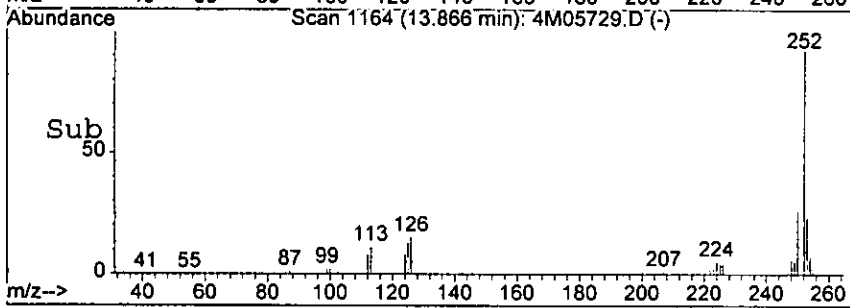
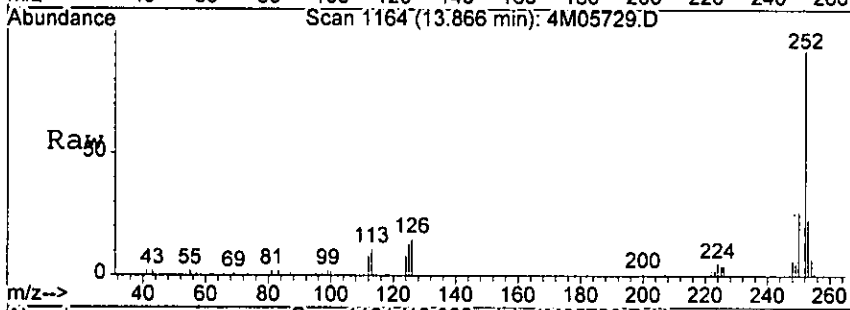


#85
 Benzo[a]pyrene
 Concen: 36.02 ng
 RT: 13.87 min Scan# 1164
 Delta R.T. -0.01 min
 Lab File: 4M05729.D
 Acq: 19 Aug 2005 8:12

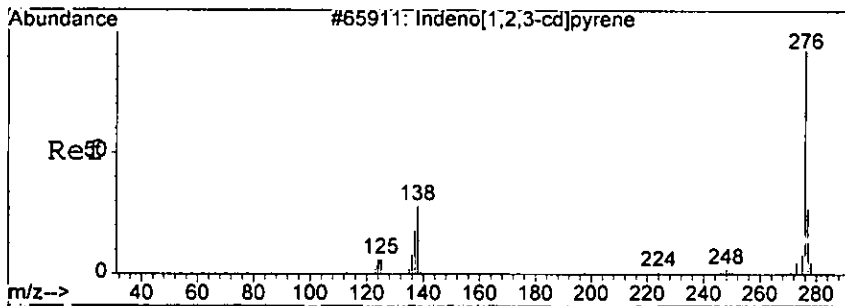
0539

Tgt Ion: 252 Resp: 80932

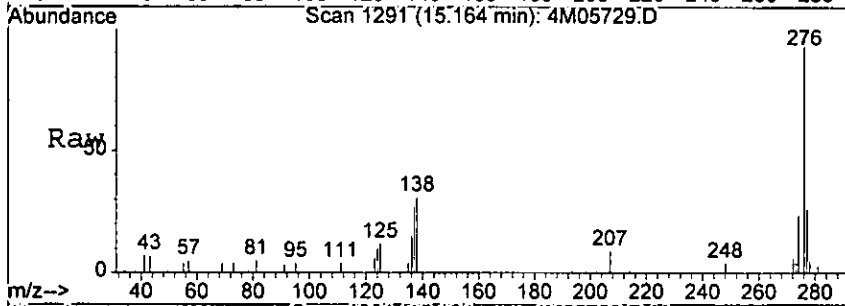
Ion	Ratio	Lower	Upper
252	100		
253	22.9	0.0	62.9
125	13.1	0.0	57.6



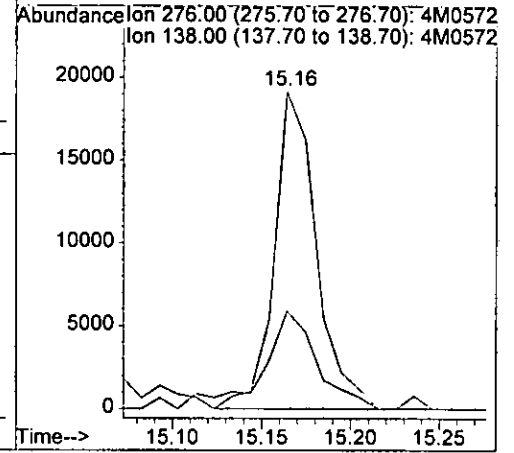
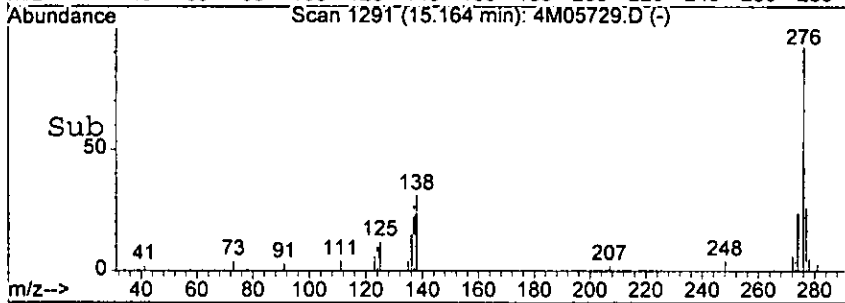
Handwritten signature



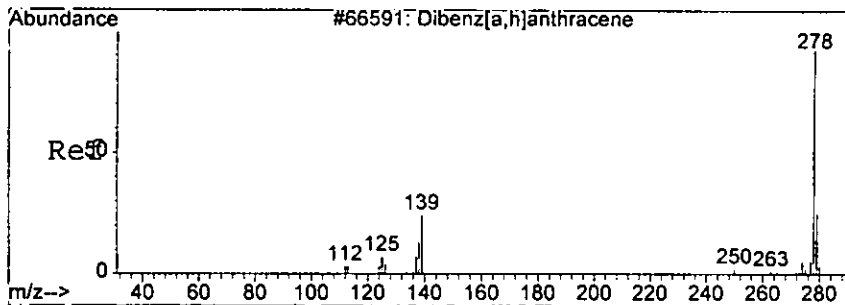
#86
 Indeno[1,2,3-cd]pyrene
 Concen: 11.64 ng
 RT: 15.16 min Scan# 1291
 Delta R.T. -0.02 min
 Lab File: 4M05729.D
 Acq: 19 Aug 2005 8:12



Tgt Ion: 276 Resp: 31392
 Ion Ratio Lower Upper
 276 100
 138 30.8 0.0 73.4



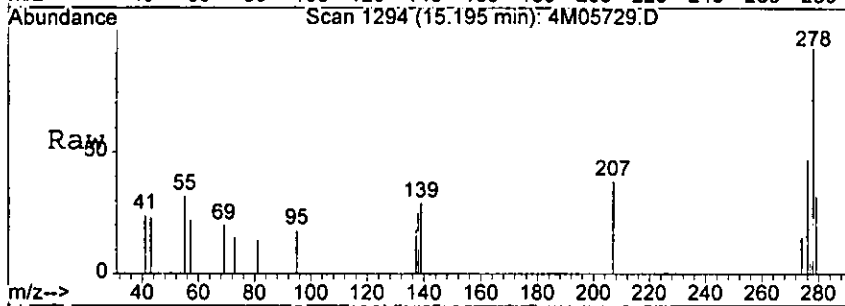
handwritten signature



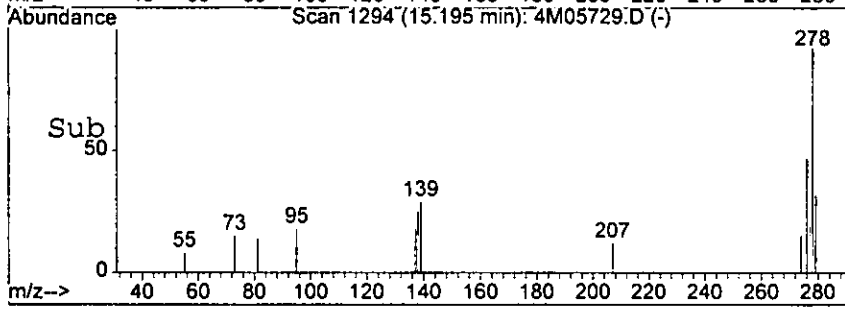
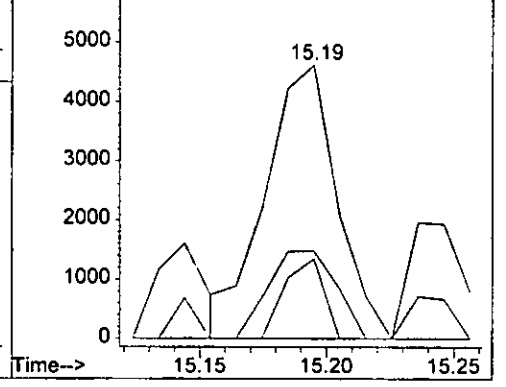
#87
 Dibenzo[a,h]anthracene
 Concen: 4.28 ng
 RT: 15.19 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: 4M05729.D
 Acq: 19 Aug 2005 8:12

Tgt Ion: 278 Resp: 9021

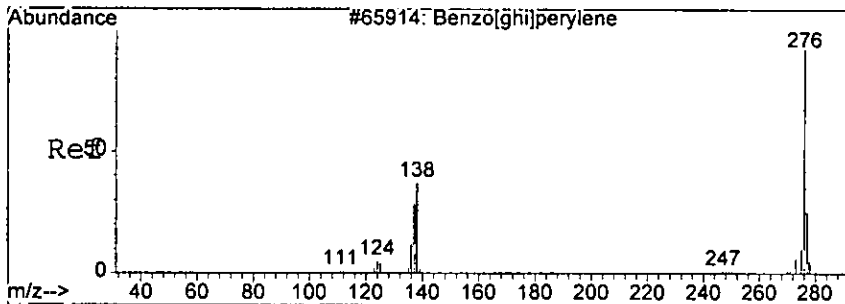
Ion	Ratio	Lower	Upper
278	100		
139	29.1	0.0	63.8
279	32.0	0.0	64.0



Abundance Ion 278.00 (277.70 to 278.70): 4M0572
 Ion 139.00 (138.70 to 139.70): 4M0572
 Ion 279.00 (278.70 to 279.70): 4M0572

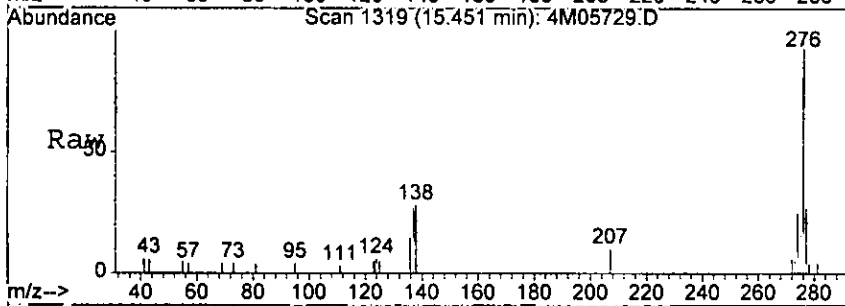


Handwritten signature

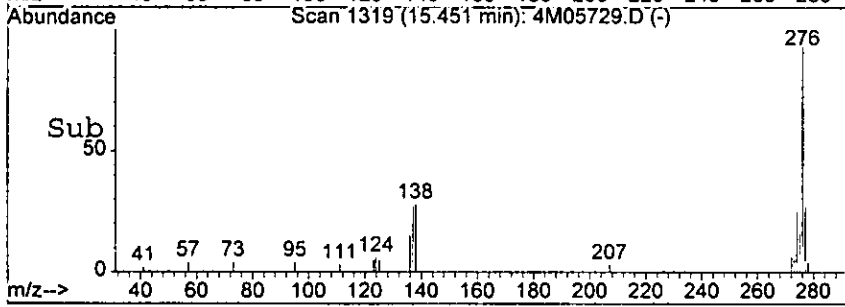
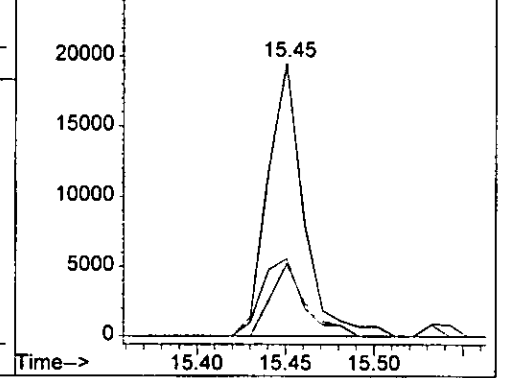


#88
 Benzo[g,h,i]perylene
 Concen: 12.46 ng
 RT: 15.45 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: 4M05729.D
 Acq: 19 Aug 2005 8:12

Tgt Ion	Resp	Lower	Upper
276	27666	100	
138	28.5	0.0	74.1
277	26.6	0.0	65.0



Abundance
 Ion 276.00 (275.70 to 276.70): 4M0572
 Ion 138.00 (137.70 to 138.70): 4M0572
 Ion 277.00 (276.70 to 277.70): 4M0572



Handwritten signature

Form1

ORGANICS SEMIVOLATILE REPORT

0543

Sample Number: AC19099-006
 Client Id: PCSB - 57 (5.5)
 Data File: 4M05739.D
 Analysis Date: 08/19/05 12:10
 Date Rec/Extracted: 08/16/05-08/17/05

Matrix: Soil
 Initial Vol: 30g
 Final Vol: 1ml
 Dilution: 1
 Solids: 49

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.018	U	205-99-2	Benzo[b]fluoranthene	0.020	1.5
95-50-1	1,2-Dichlorobenzene	0.031	U	191-24-2	Benzo[g,h,i]perylene	0.013	0.69
122-66-7	1,2-Diphenylhydrazine	0.020	U	207-08-9	Benzo[k]fluoranthene	0.022	0.33
541-73-1	1,3-Dichlorobenzene	0.029	U	111-91-1	bis(2-Chloroethoxy)methan	0.016	U
106-46-7	1,4-Dichlorobenzene	0.035	U	111-44-4	bis(2-Chloroethyl)ether	0.036	U
95-95-4	2,4,5-Trichlorophenol	0.92	U	108-60-1	bis(2-chloroisopropyl)ether	0.022	U
88-06-2	2,4,6-Trichlorophenol	1.6	U	117-81-7	bis(2-Ethylhexyl)phthalat	0.061	0.25
120-83-2	2,4-Dichlorophenol	0.11	U	85-68-7	Butylbenzylphthalate	0.027	U
105-67-9	2,4-Dimethylphenol	0.094	U	86-74-8	Carbazole	0.020	U
51-28-5	2,4-Dinitrophenol	0.46	U	218-01-9	Chrysene	0.014	1.6
121-14-2	2,4-Dinitrotoluene	0.025	U	84-74-2	Di-n-butylphthalate	0.015	0.13 B
606-20-2	2,6-Dinitrotoluene	0.028	U	117-84-0	Di-n-octylphthalate	0.016	U
91-58-7	2-Chloronaphthalene	0.019	U	53-70-3	Dibenzo[a,h]anthracene	0.024	0.21
95-57-8	2-Chlorophenol	0.14	U	132-64-9	Dibenzofuran	0.086	0.21
91-57-6	2-Methylnaphthalene	0.088	0.67	84-66-2	Diethylphthalate	0.019	U
95-48-7	2-Methylphenol	0.32	U	131-11-3	Dimethylphthalate	0.015	U
88-74-4	2-Nitroaniline	0.048	U	206-44-0	Fluoranthene	0.020	1.7
88-75-5	2-Nitrophenol	0.079	U	86-73-7	Fluorene	0.017	0.89
106-44-5	3&4-Methylphenol	0.36	0.39	118-74-1	Hexachlorobenzene	0.032	U
91-94-1	3,3'-Dichlorobenzidine	0.15	U	87-68-3	Hexachlorobutadiene	0.029	U
99-09-2	3-Nitroaniline	0.28	U	77-47-4	Hexachlorocyclopentadiene	0.18	U
534-52-1	4,6-Dinitro-2-methylphenol	0.13	U	67-72-1	Hexachloroethane	0.051	U
101-55-3	4-Bromophenyl-phenylether	0.026	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.0094	0.51
59-50-7	4-Chloro-3-methylphenol	0.17	U	78-59-1	Isophorone	0.021	U
106-47-8	4-Chloroaniline	0.52	U	621-64-7	N-Nitroso-di-n-propylamine	0.033	U
7005-72-3	4-Chlorophenyl-phenylether	0.031	U	62-75-9	N-Nitrosodimethylamine	0.80	U
100-01-6	4-Nitroaniline	0.17	U	86-30-6	n-Nitrosodiphenylamine	0.032	U
100-02-7	4-Nitrophenol	0.12	U	91-20-3	Naphthalene	0.016	1.2
83-32-9	Acenaphthene	0.028	1.1	98-95-3	Nitrobenzene	0.027	U
208-96-8	Acenaphthylene	0.016	0.26	87-86-5	Pentachlorophenol	0.084	U
120-12-7	Anthracene	0.018	0.88	85-01-8	Phenanthrene	0.016	2.3
92-87-5	Benzidine	0.15	U	108-95-2	Phenol	0.10	U
56-55-3	Benzo[a]anthracene	0.012	1.7	129-00-0	Pyrene	0.016	4.5
50-32-8	Benzo[a]pyrene	0.016	1.2				

Worksheet #: 18797

Total Target Concentration 22.22

U - Indicates the compound was analyzed but not detected.
 B - Indicates the analyte was found in the blank as well as in the sample.
 E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
 J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

1000

Data File : G:\GcMsData\2005\Gcms_4\Data\08-19-05\4M05739.D Vial: 1
 Acq On : 19 Aug 2005 12:10 Operator: AHD
 Sample : AC19099-006 Inst : GCMS_4
 Misc : S,BNA Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:18 2005 Quant Results File: 4M_0818.RES

Quant Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration
 DataAcq Meth : 4M_0818

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	4.78	152	71722	40.00	ng	0.00
19) Naphthalene-d8	5.77	136	233805	40.00	ng	0.00
35) Acenaphthene-d10	7.32	164	110089	40.00	ng	0.00
59) Phenanthrene-d10	8.92	188	132575	40.00	ng	0.00
72) Chrysene-d12	12.10	240	49305	40.00	ng	0.00
81) Perylene-d12	13.94	264	38557	40.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev (Min)
4) 2-Fluorophenol	3.62	112	285288	143.82	ng	0.00
Spiked Amount	200.000		Recovery	=	71.91%	
7) Phenol-d5	4.50	99	379960	151.65	ng	0.00
Spiked Amount	200.000		Recovery	=	75.83%	
20) Nitrobenzene-d5	5.22	128	73192	67.72	ng	0.00
Spiked Amount	100.000		Recovery	=	67.72%	
40) 2-Fluorobiphenyl	6.68	172	279529	80.38	ng	0.00
Spiked Amount	100.000		Recovery	=	80.38%	
62) 2,4,6-Tribromophenol	8.15	332	95219	177.40	ng	0.00
Spiked Amount	200.000		Recovery	=	88.70%	
75) Terphenyl-d14	10.82	244	124666	107.67	ng	0.00
Spiked Amount	100.000		Recovery	=	107.67%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) 3&4-Methylphenol	5.13	108	11373	5.74	ng	97
29) Naphthalene	5.79	128	101193	18.27	ng	76
33) 2-Methylnaphthalene	6.36	142	36770	9.80	ng	97
46) Acenaphthylene	7.18	152	18365	3.76	ng	92
49) Acenaphthene	7.36	153	47917	15.70	ng	96
52) Dibenzofuran	7.53	168	13342	3.07	ng	84
55) Fluorene	7.89	166	42828	13.01	ng	98
67) Phenanthrene	8.94	178	117645	34.09	ng	99
68) Anthracene	9.00	178	44704	12.88	ng	97
70) Di-n-butylphthalate	9.65	149	9087	1.95	ng	84
71) Fluoranthene	10.33	202	91955	24.57	ng	95
73) Pyrene	10.60	202	111333	65.90	ng	85
78) Benzo[a]anthracene	12.09	228	38592	24.99	ng	91
79) Chrysene	12.13	228	33715	22.95	ng	98
80) bis(2-Ethylhexyl)phthalate	12.22	149	4660	3.67	ng	77
83) Benzo[b]fluoranthene	13.47	252	30383m	21.45	ng	
84) Benzo[k]fluoranthene	13.51	252	6032m	4.78	ng	
85) Benzo[a]pyrene	13.87	252	23312	18.25	ng	97
86) Indeno[1,2,3-cd]pyrene	15.19	276	11401	7.44	ng	73

(#) = qualifier out of range (m) = manual integration

Handwritten signature

0505

Data File : G:\GcMsData\2005\Gcms_4\Data\08-19-05\4M05739.D Vial: 1
 Acq On : 19 Aug 2005 12:10 Operator: AHD
 Sample : AC19099-006 Inst : GCMS_4
 Misc : S,BNA Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:18 2005 Quant Results File: 4M_0818.RES

Quant Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration
 DataAcq Meth : 4M_0818

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
87) Dibenzo[a,h]anthracene	15.21	278	3714	3.10	ng	64
88) Benzo[g,h,i]perylene	15.46	276	12804	10.14	ng	98

 (#) = qualifier out of range (m) = manual integration

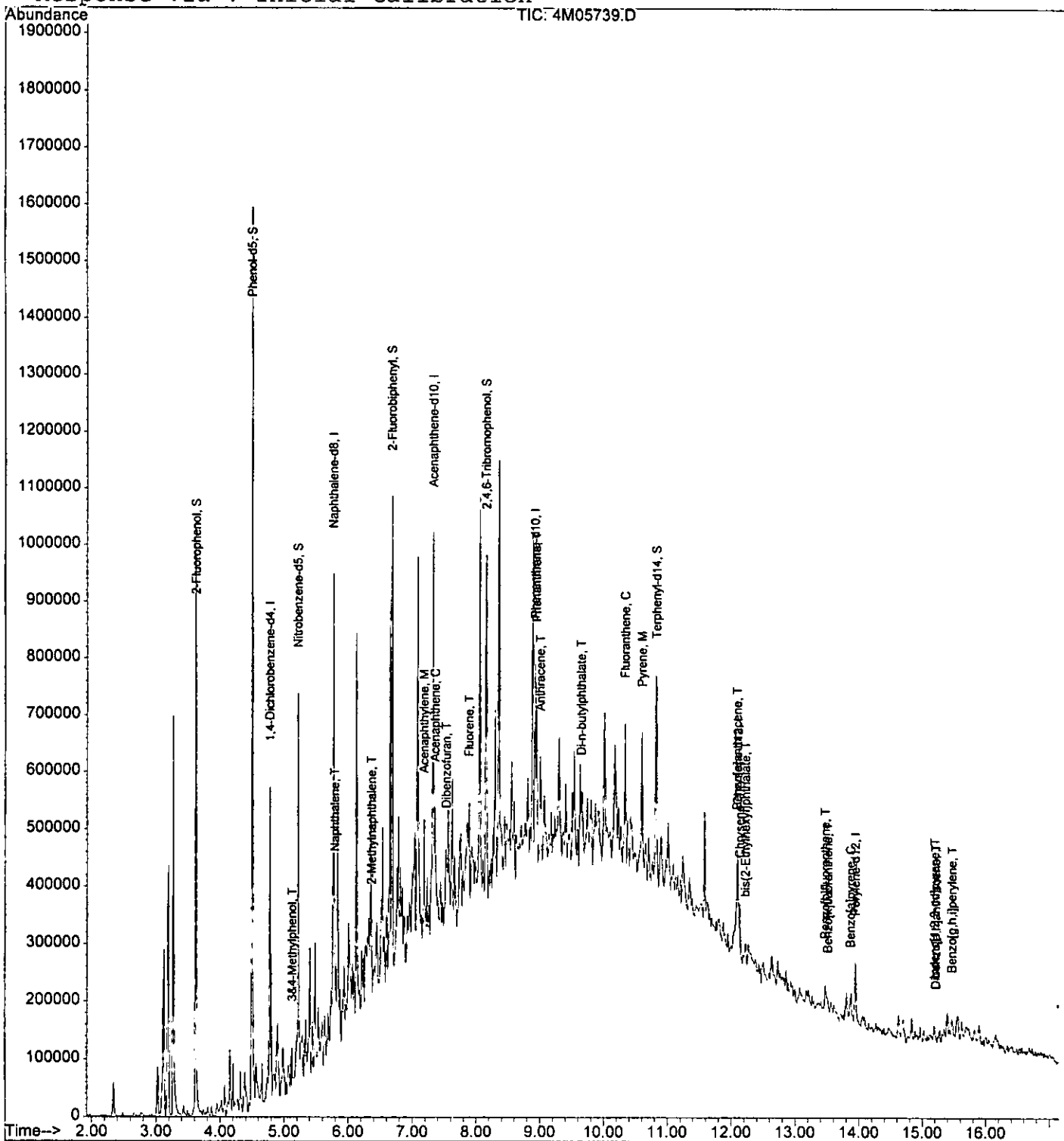
Quantitation Report

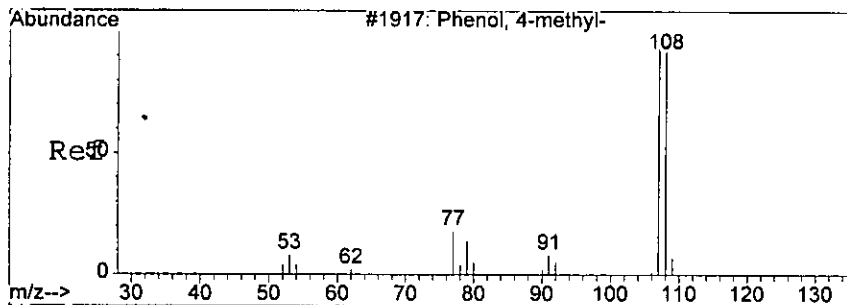
Data File : G:\GcMsData\2005\Gcms_4\Data\08-19-05\4M05739.D
Acq On : 19 Aug 2005 12:10
Sample : AC19099-006
Misc : S,BNA
MS Integration Params: RTEINT.P
Quant Time: Aug 29 16:18 2005

Vial: 1050
Operator: AHD
Inst : GCMS_4
Multiplr: 1.00

Quant Results File: 4M_0818.RES

Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
Title : @GCMS_4,mg,625,8270
Last Update : Thu Aug 18 14:49:57 2005
Response via : Initial Calibration

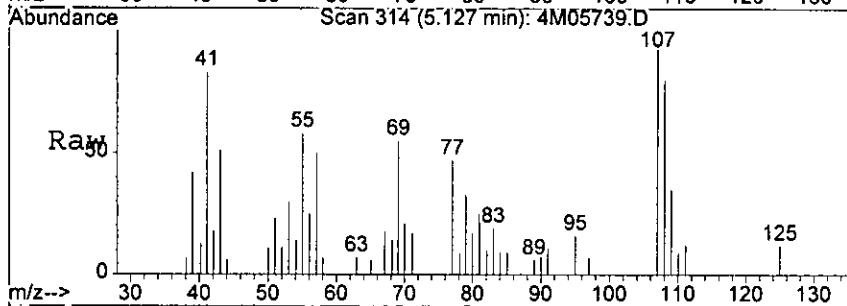




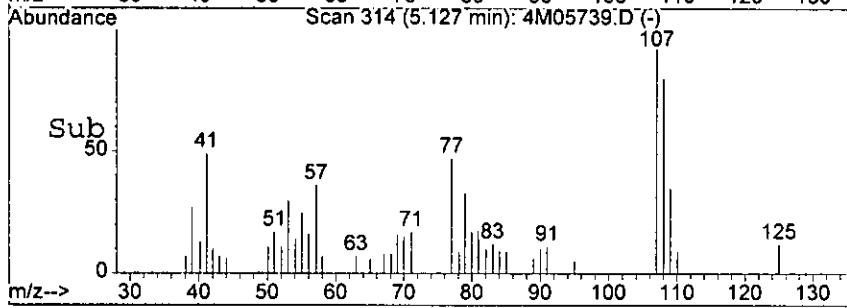
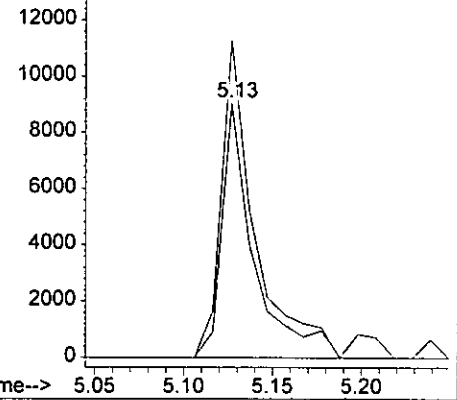
#18
 3&4-Methylphenol
 Concen: 5.74 ng
 RT: 5.13 min Scan# 314
 Delta R.T. 0.01 min
 Lab File: 4M05739.D
 Acq: 19 Aug 2005 12:10

0547

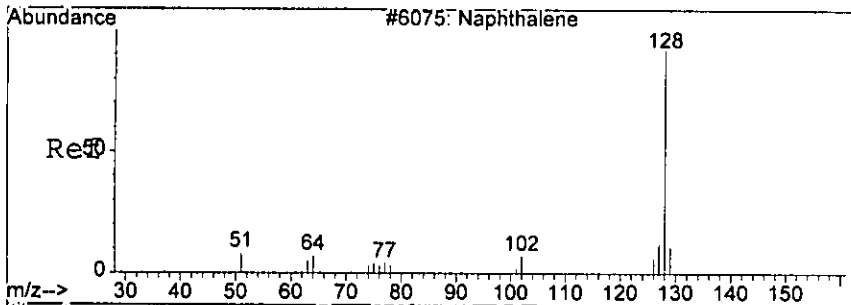
Tgt Ion:108 Resp: 11373
 Ion Ratio Lower Upper
 108 100
 107 124.9 88.9 168.9



Abundance Ion 108.00 (107.70 to 108.70): 4M0573
 Ion 107.00 (106.70 to 107.70): 4M0573



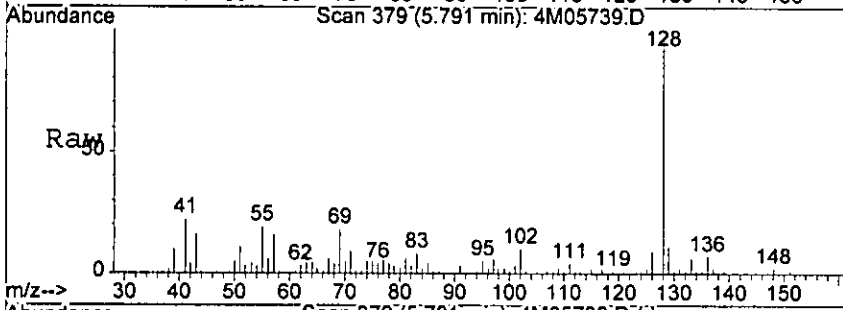
HRAR



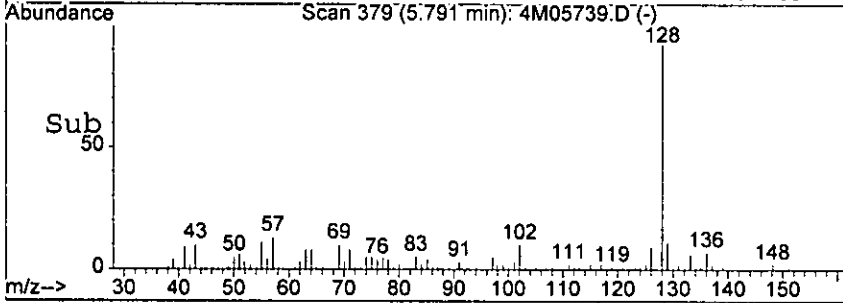
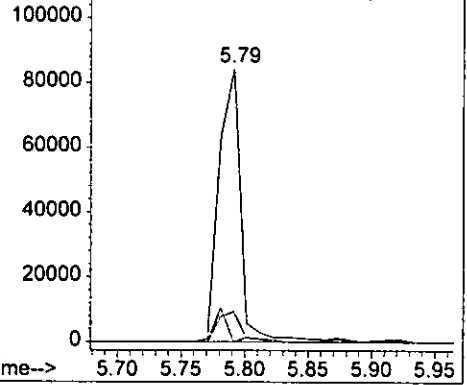
#29
 Naphthalene
 Concen: 18.27 ng
 RT: 5.79 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: 4M05739.D
 Acq: 19 Aug 2005 12:10

0548

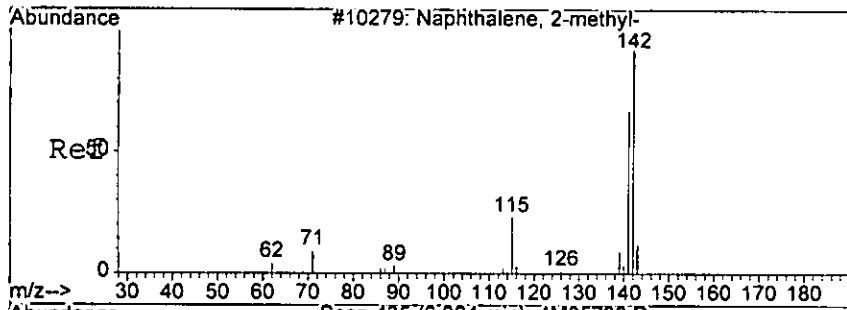
Tgt Ion	Resp	Lower	Upper
128	101193		
129	11.0	0.0	51.8
127	0.0	0.0	57.0



Abundance Ion 128.00 (127.70 to 128.70): 4M0573
 Ion 129.00 (128.70 to 129.70): 4M0573
 Ion 127.00 (126.70 to 127.70): 4M0573

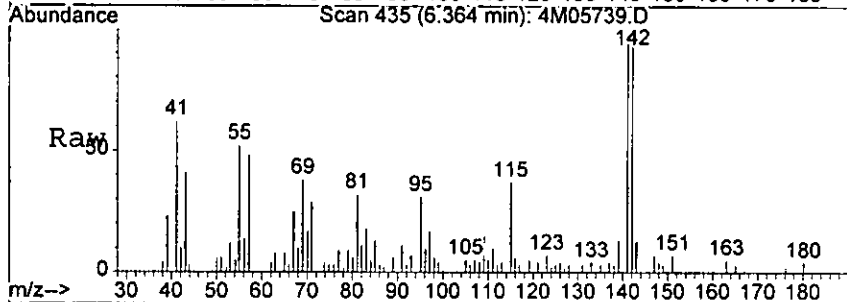


hour

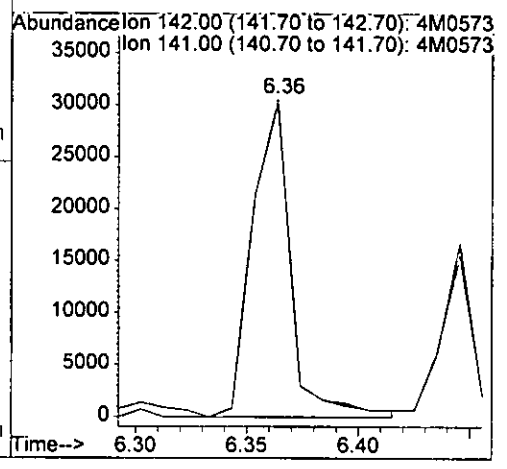
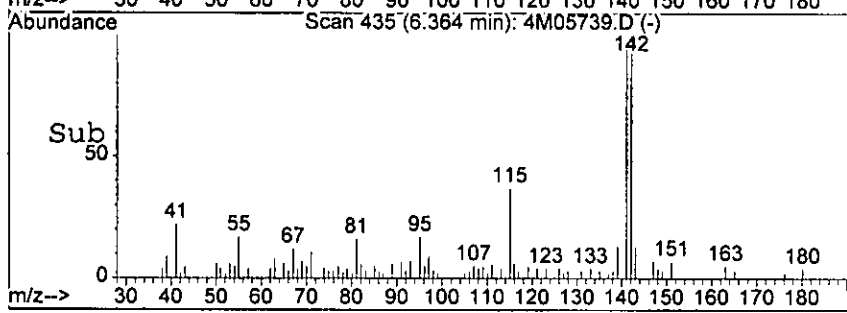


#33
 2-Methylnaphthalene
 Concen: 9.80 ng
 RT: 6.36 min Scan# 435
 Delta R.T. -0.00 min
 Lab File: 4M05739.D
 Acq: 19 Aug 2005 12:10

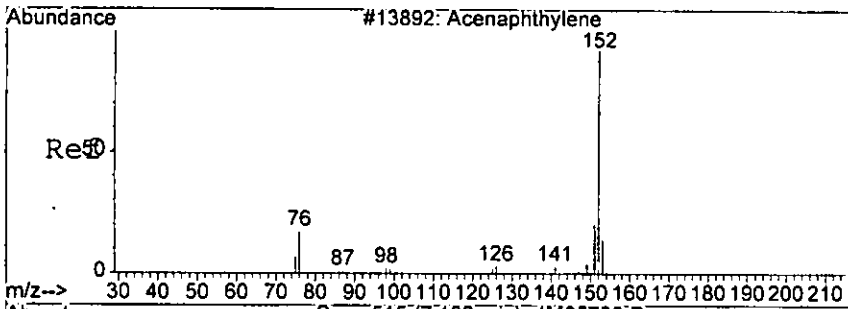
0519



Tgt Ion: 142 Resp: 36770
 Ion Ratio Lower Upper
 142 100
 141 98.4 55.7 135.7



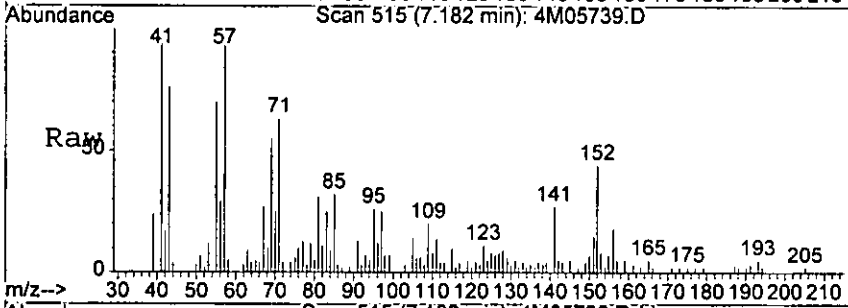
Handwritten signature



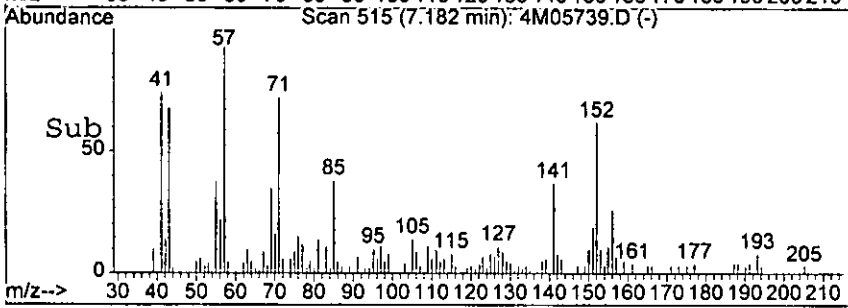
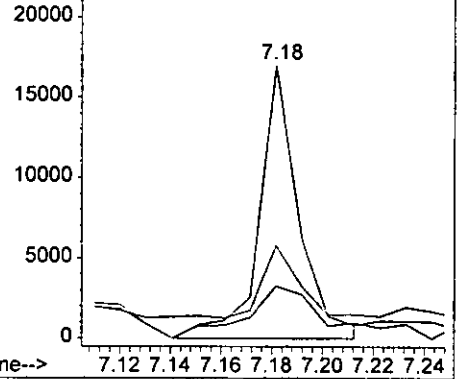
#46
 Acenaphthylene
 Concen: 3.76 ng
 RT: 7.18 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: 4M05739.D
 Acq: 19 Aug 2005 12:10

0538

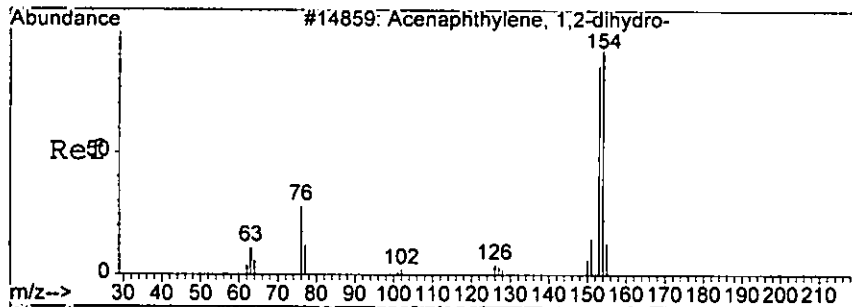
Tgt Ion	Resp	Lower	Upper
152	18365	100	
151	26.2	0.0	63.6
153	19.0	0.0	53.8



Abundance Ion 152.00 (151.70 to 152.70): 4M0573
 Ion 151.00 (150.70 to 151.70): 4M0573
 Ion 153.00 (152.70 to 153.70): 4M0573



Waar

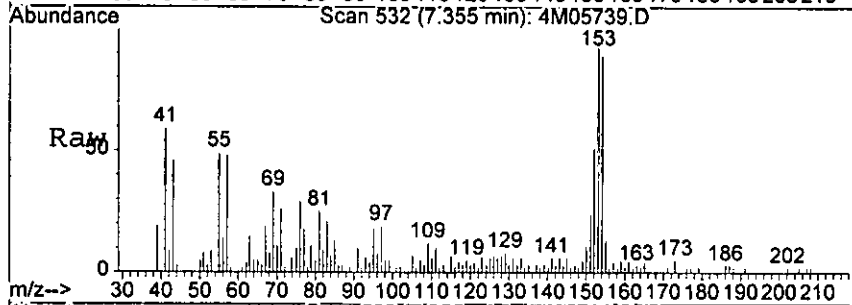


#49
 Acenaphthene
 Concen: 15.70 ng
 RT: 7.36 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: 4M05739.D
 Acq: 19 Aug 2005 12:10

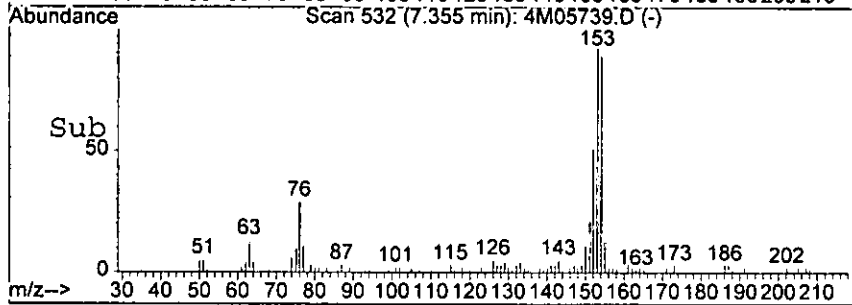
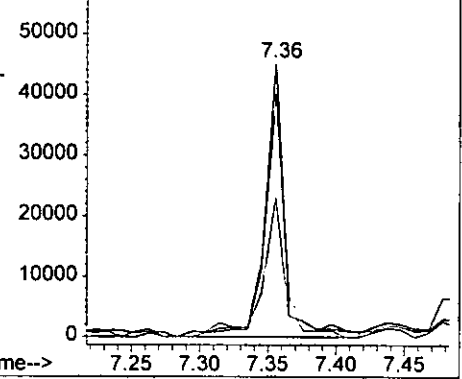
0551

Tgt Ion: 153 Resp: 47917

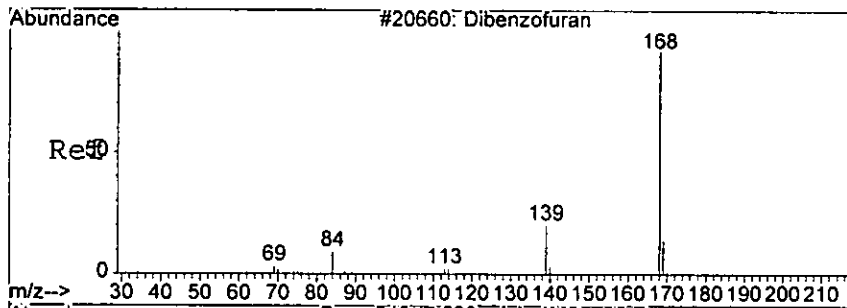
Ion	Ratio	Lower	Upper
153	100		
152	51.3	8.3	88.3
154	89.1	45.1	125.1



Abundance Ion 153.00 (152.70 to 153.70): 4M0573
 Ion 152.00 (151.70 to 152.70): 4M0573
 Ion 154.00 (153.70 to 154.70): 4M0573

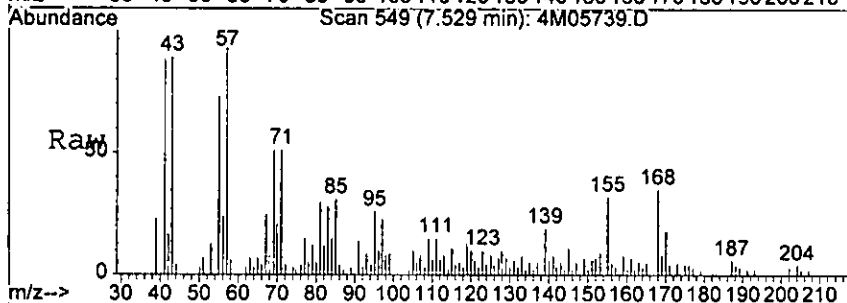


Handwritten signature

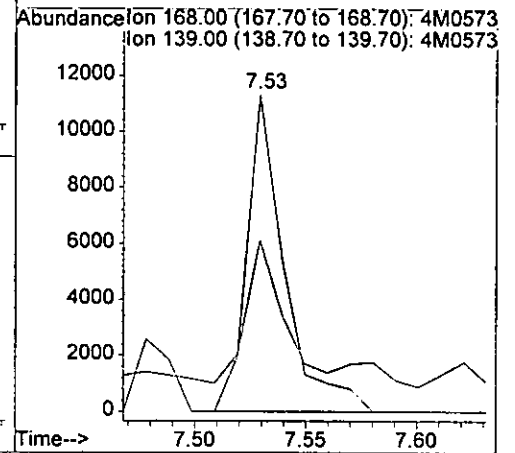
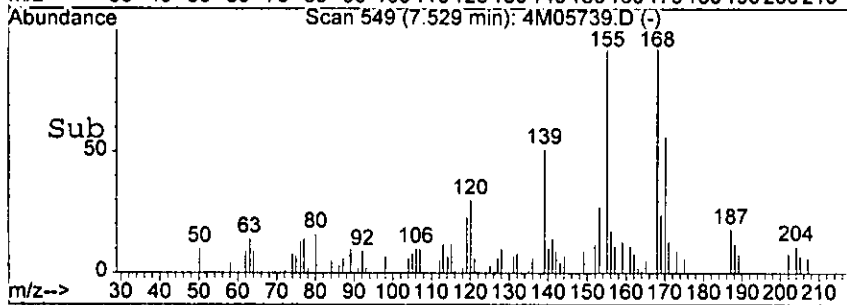


#52
 Dibenzofuran
 Concen: 3.07 ng
 RT: 7.53 min Scan# 549
 Delta R.T. -0.00 min
 Lab File: 4M05739.D
 Acq: 19 Aug 2005 12:10

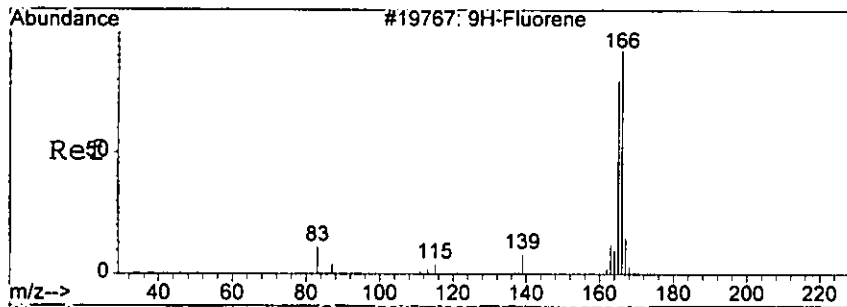
0552



Tgt Ion: 168 Resp: 13342
 Ion Ratio Lower Upper
 168 100
 139 45.2 6.0 66.0



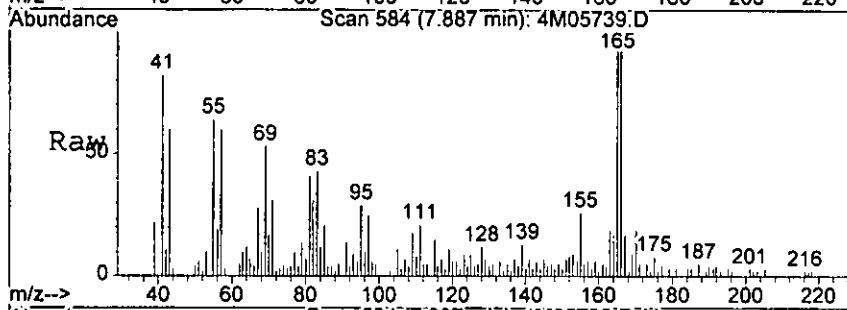
Wear



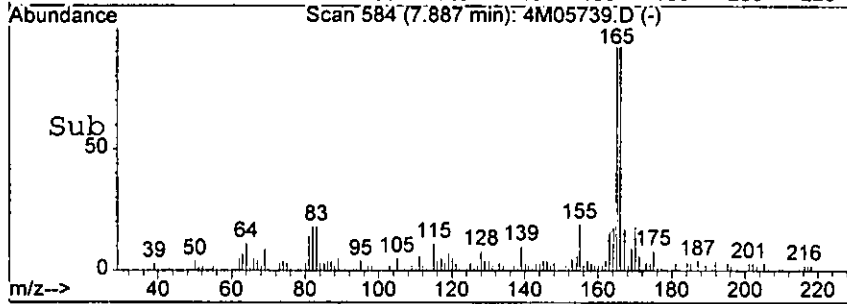
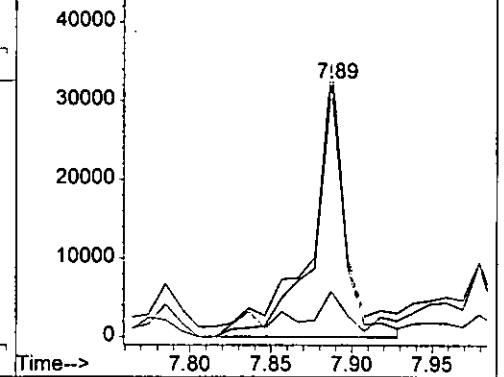
#55
 Fluorene
 Concen: 13.01 ng
 RT: 7.89 min Scan# 584
 Delta R.T. -0.00 min
 Lab File: 4M05739.D
 Acq: 19 Aug 2005 12:10

0553

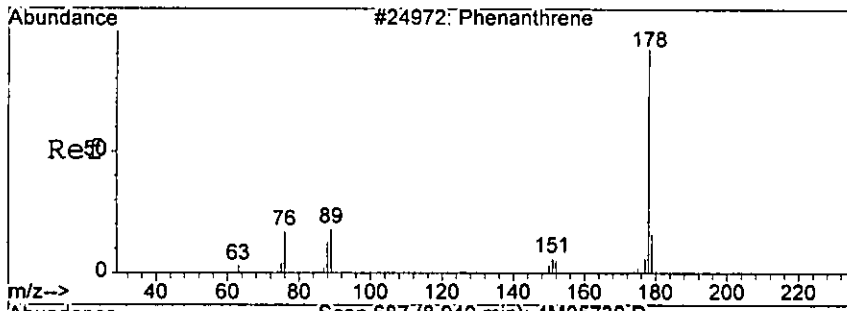
Tgt Ion	Ratio	Lower	Upper
166	100		
165	104.0	63.3	143.3
167	18.0	0.0	54.6



Abundance Ion 166.00 (165.70 to 166.70): 4M0573
 Ion 165.00 (164.70 to 165.70): 4M0573
 Ion 167.00 (166.70 to 167.70): 4M0573

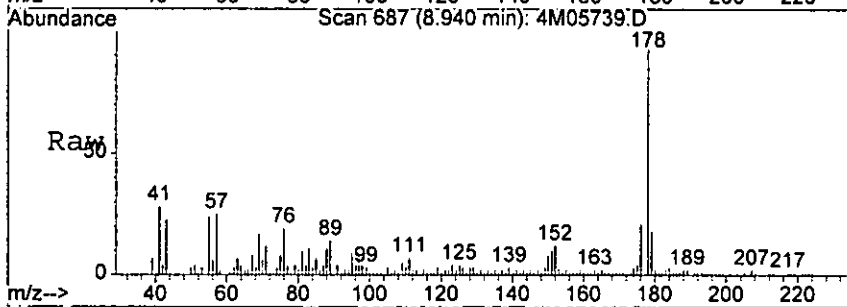


Handwritten signature



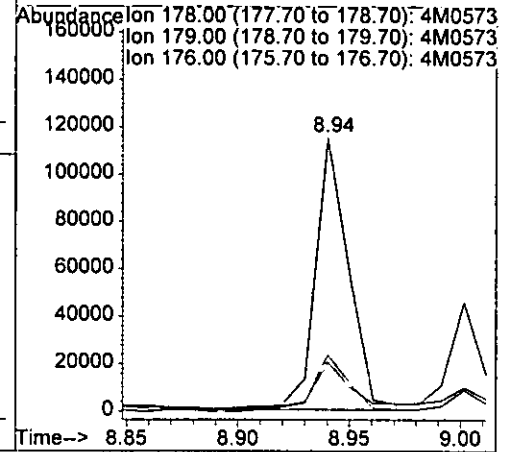
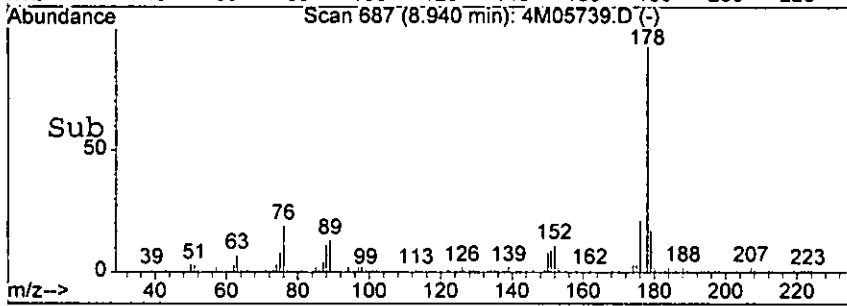
#67
 Phenanthrene
 Concen: 34.09 ng
 RT: 8.94 min Scan# 687
 Delta R.T. -0.00 min
 Lab File: 4M05739.D
 Acq: 19 Aug 2005 12:10

0554

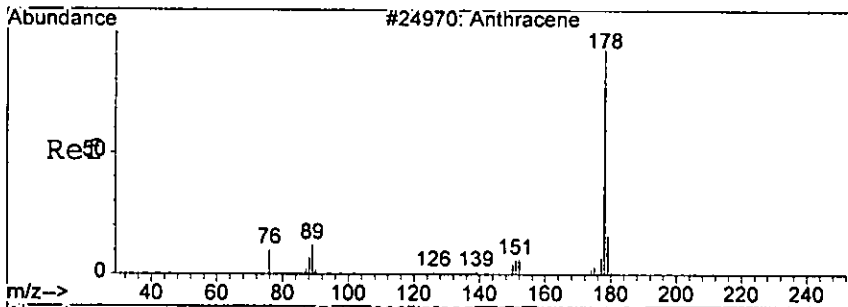


Tgt Ion: 178 Resp: 117645

Ion	Ratio	Lower	Upper
178	100		
179	17.0	0.0	56.6
176	20.7	0.0	60.5



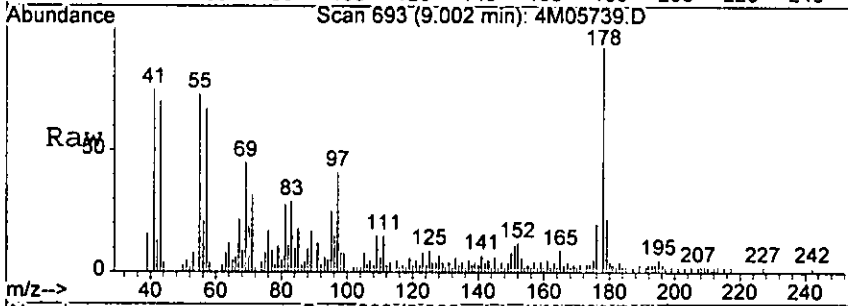
harar



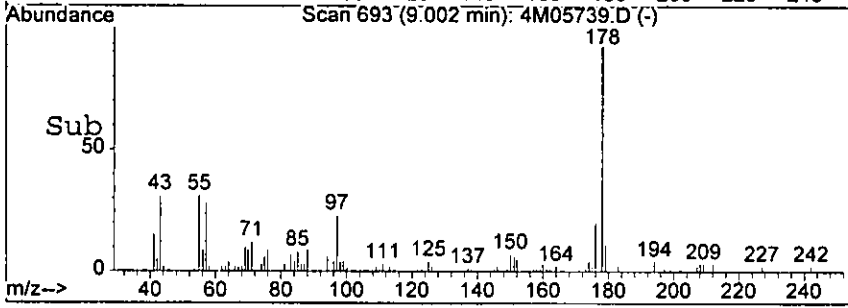
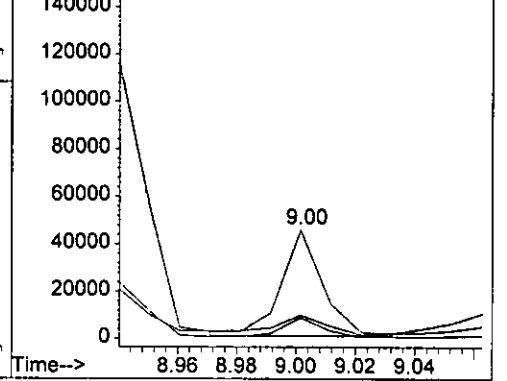
#68
 Anthracene
 Concen: 12.88 ng
 RT: 9.00 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: 4M05739.D
 Acq: 19 Aug 2005 12:10

0553

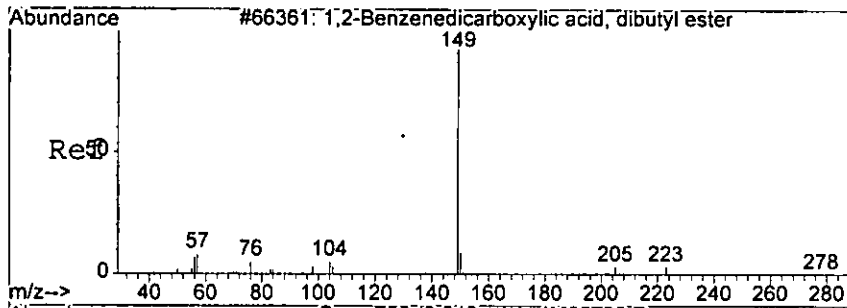
Tgt Ion	Resp	Lower	Upper
178	44704	100	100
179	17.7	0.0	56.6
176	18.5	0.0	60.2



Abundance Ion 178.00 (177.70 to 178.70): 4M0573
 Ion 179.00 (178.70 to 179.70): 4M0573
 Ion 176.00 (175.70 to 176.70): 4M0573

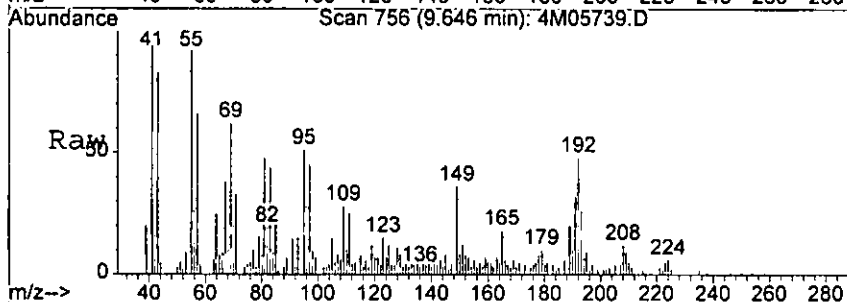


Handwritten signature



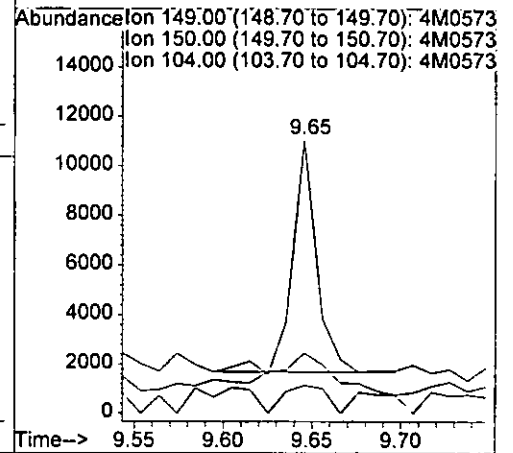
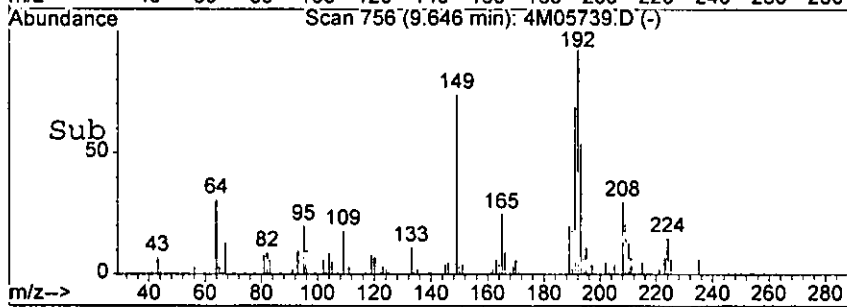
#70
 Di-n-butylphthalate
 Concen: 1.95 ng
 RT: 9.65 min Scan# 756
 Delta R.T. -0.00 min
 Lab File: 4M05739.D
 Acq: 19 Aug 2005 12:10

0556

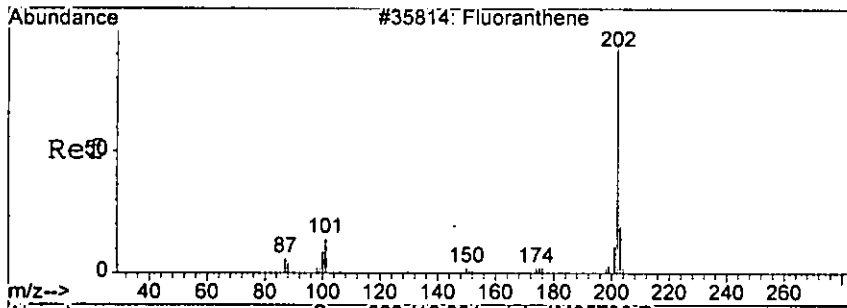


Tgt Ion: 149 Resp: 9087

Ion	Ratio	Lower	Upper
149	100		
150	18.0	0.0	49.8
104	5.1	0.0	44.6

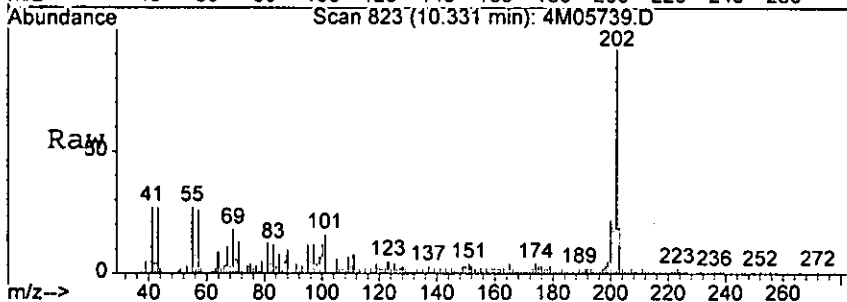


Handwritten signature

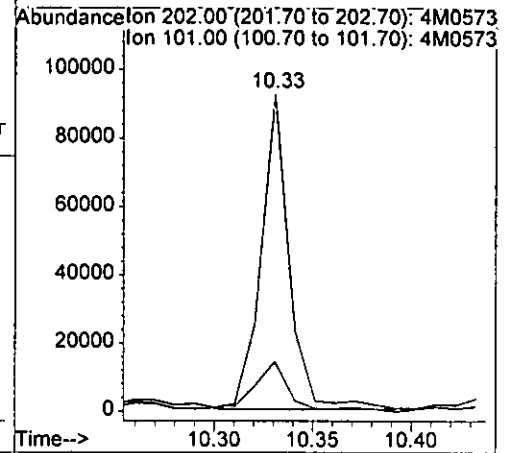
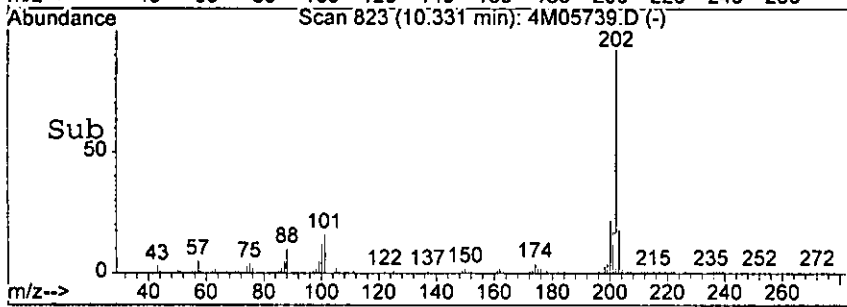


#71
 Fluoranthene
 Concen: 24.57 ng
 RT: 10.33 min Scan# 823
 Delta R.T. 0.01 min
 Lab File: 4M05739.D
 Acq: 19 Aug 2005 12:10

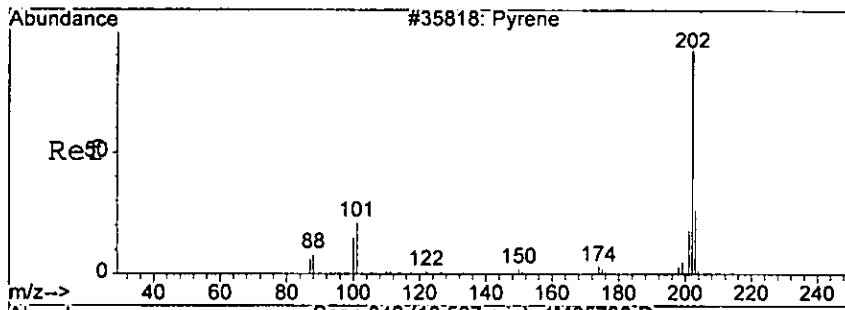
0557



Tgt Ion: 202 Resp: 91955
 Ion Ratio Lower Upper
 202 100
 101 15.9 0.0 58.3



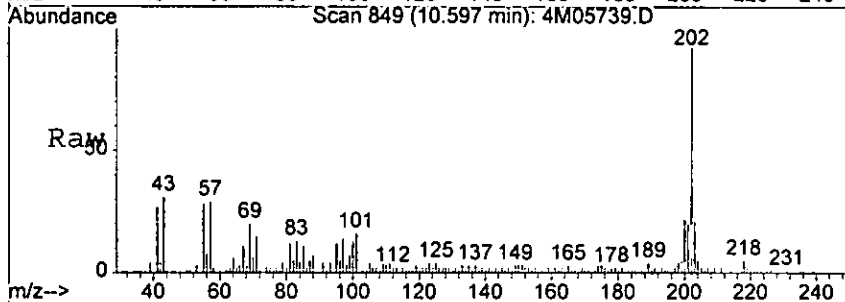
Low



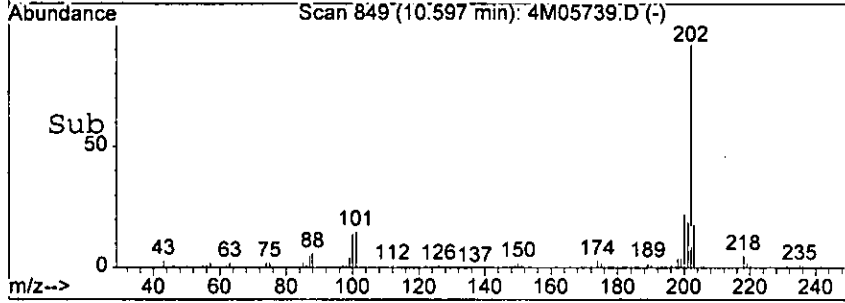
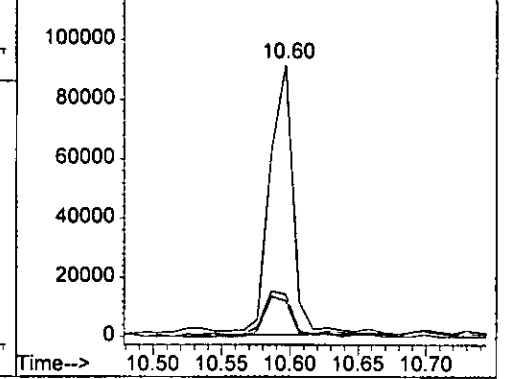
#73
 Pyrene
 Concen: 65.90 ng
 RT: 10.60 min Scan# 849
 Delta R.T. 0.01 min
 Lab File: 4M05739.D
 Acq: 19 Aug 2005 12:10

0558

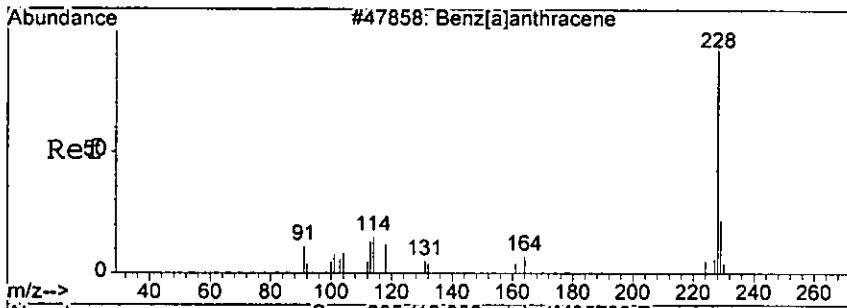
Tgt Ion	202	101	100	Resp	111333	Lower	Upper
Ion Ratio	100	15.9	13.4			0.0	62.7
						0.0	60.5



Abundance Ion 202.00 (201.70 to 202.70): 4M0573
 Ion 101.00 (100.70 to 101.70): 4M0573
 Ion 100.00 (99.70 to 100.70): 4M05739

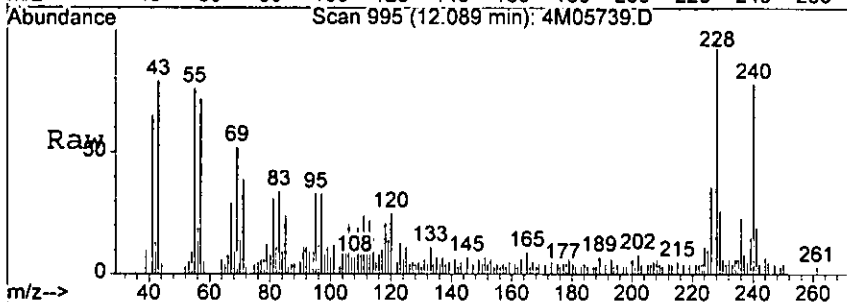


Handwritten signature

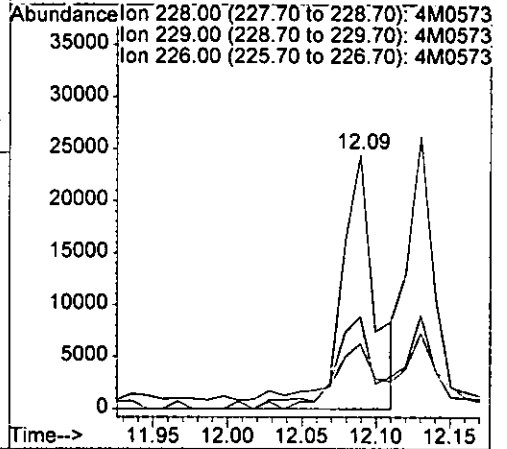
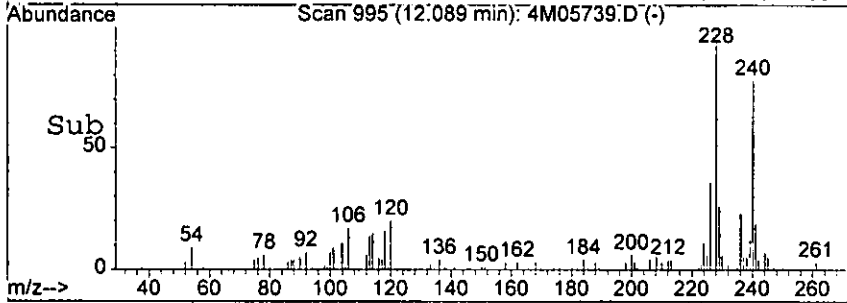


#78
 Benzo[a]anthracene
 Concen: 24.99 ng
 RT: 12.09 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: 4M05739.D
 Acq: 19 Aug 2005 12:10

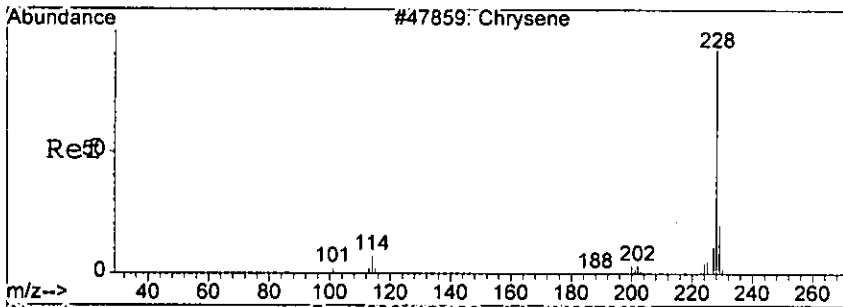
0559



Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.1	0.0	60.5
226	36.2	0.0	69.0

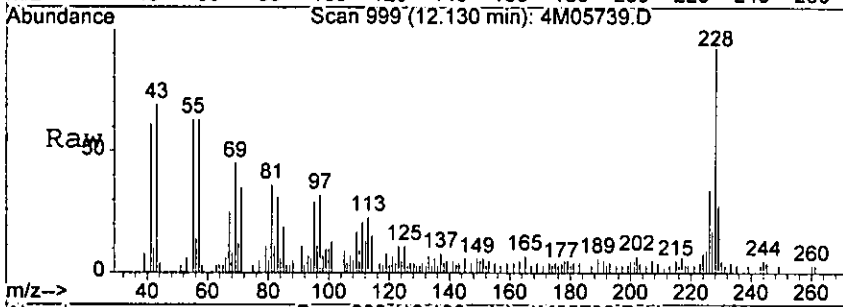


Handwritten signature



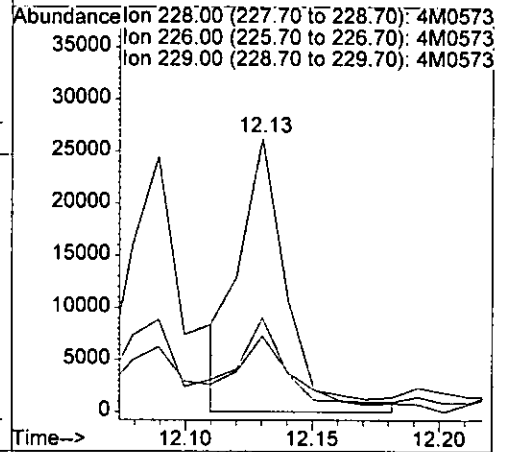
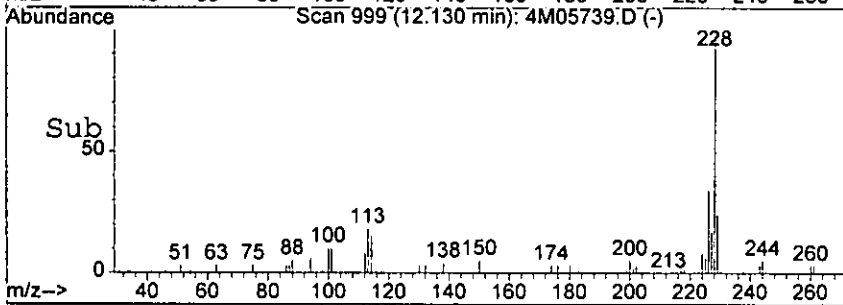
#79
 Chrysene
 Concn: 22.95 ng
 RT: 12.13 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: 4M05739.D
 Acq: 19 Aug 2005 12:10

0508

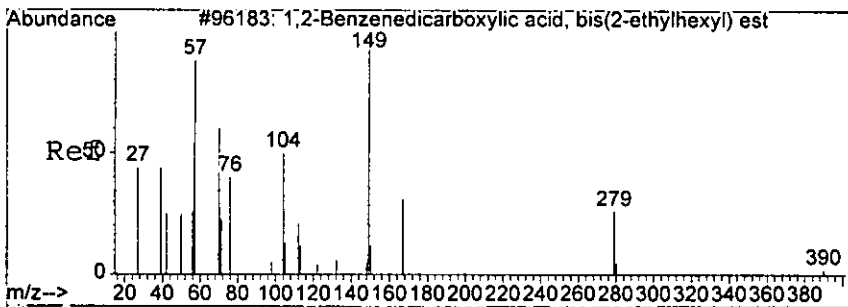


Tgt Ion: 228 Resp: 33715

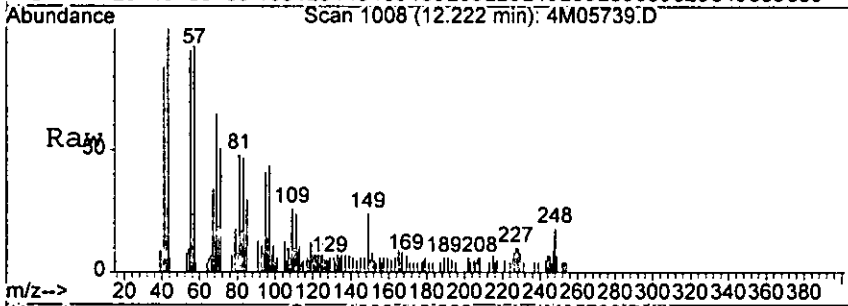
Ion	Ratio	Lower	Upper
228	100		
226	32.4	12.0	52.0
229	23.2	0.0	61.1



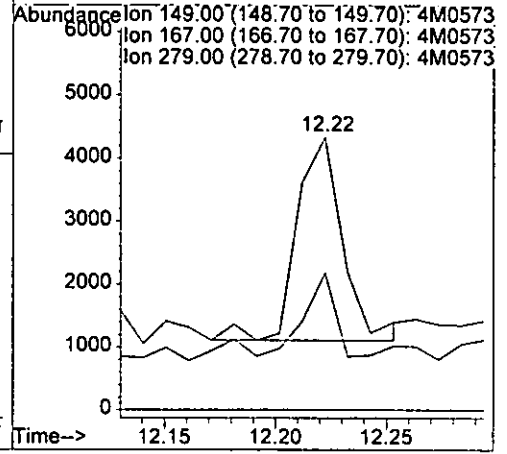
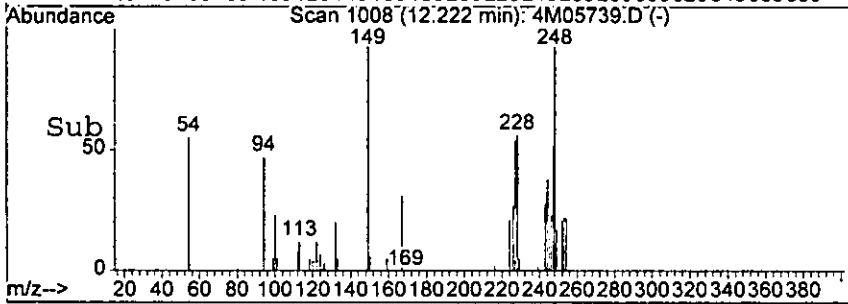
Near



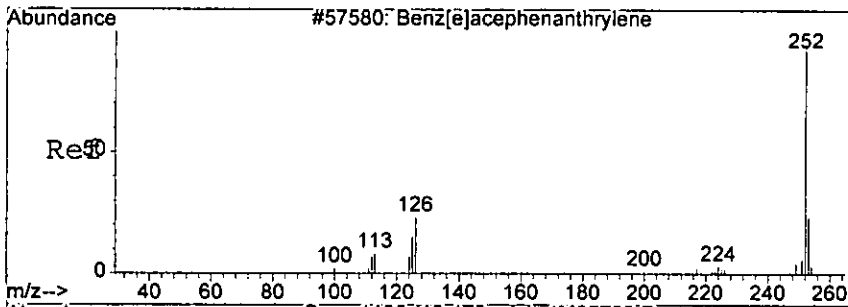
#80
 bis(2-Ethylhexyl)phthalate
 Concen: 3.67 ng
 RT: 12.22 min Scan# 1008
 Delta R.T. -0.00 min
 Lab File: 4M05739.D
 Acq: 19 Aug 2005 12:10



Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
167	38.4	0.0	0.0	53.9
279	0.0	0.0	0.0	43.5



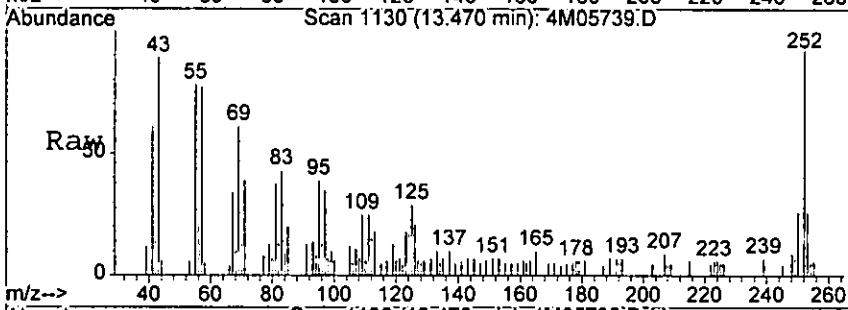
Wear



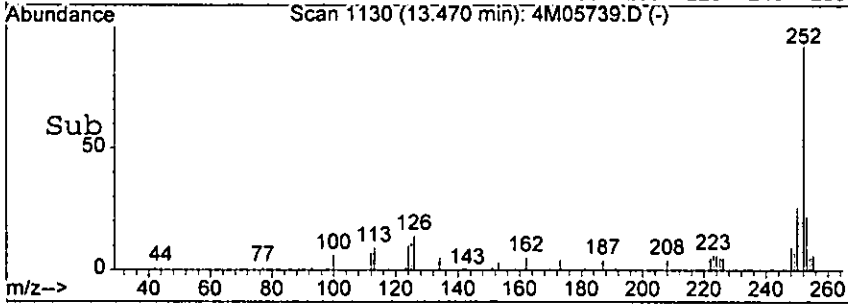
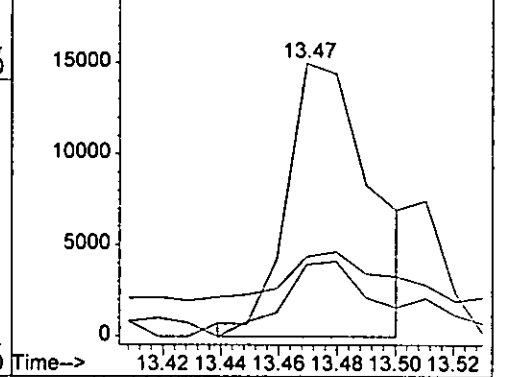
#83
 Benzo [b] fluoranthene
 Concen: 21.45 ng m
 RT: 13.47 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: 4M05739.D
 Acq: 19 Aug 2005 12:10

0552

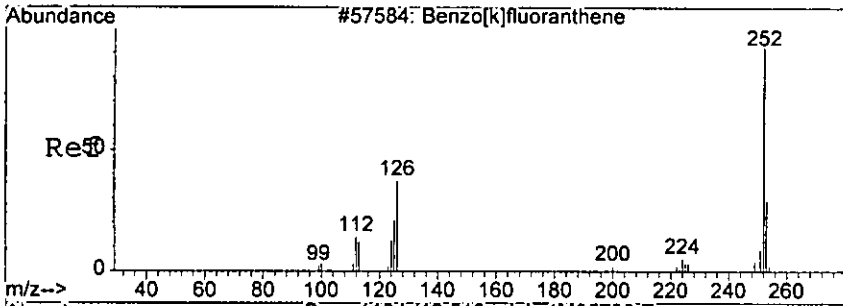
Tgt Ion	252	253	125	Resp	30383	Lower	Upper
Ion Ratio	100	26.3	29.2			0.0	63.3
						0.0	57.6



Abundance Ion 252.00 (251.70 to 252.70): 4M0573
 Ion 253.00 (252.70 to 253.70): 4M0573
 Ion 125.00 (124.70 to 125.70): 4M0573



hour

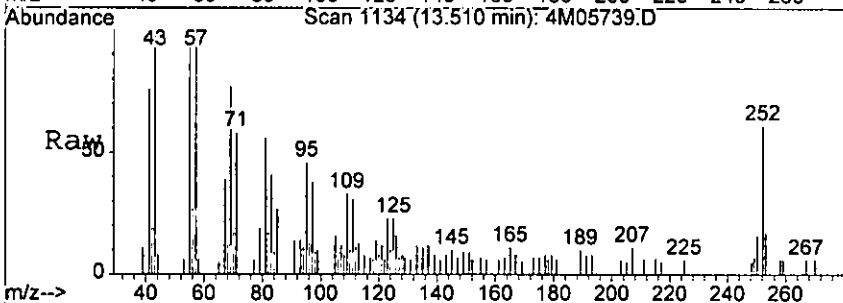


#84
 Benzo[k]fluoranthene
 Concen: 4.78 ng m
 RT: 13.51 min Scan# 1134
 Delta R.T. 0.01 min
 Lab File: 4M05739.D
 Acq: 19 Aug 2005 12:10

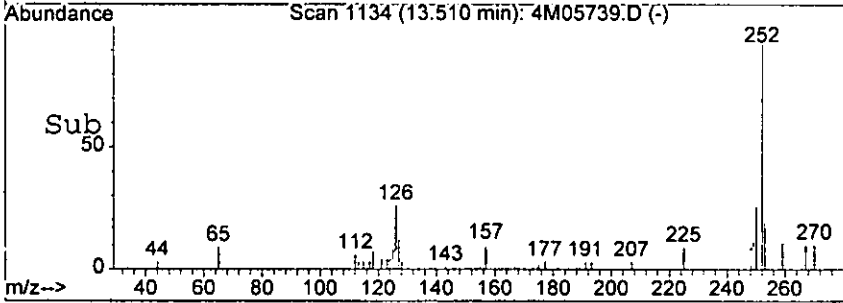
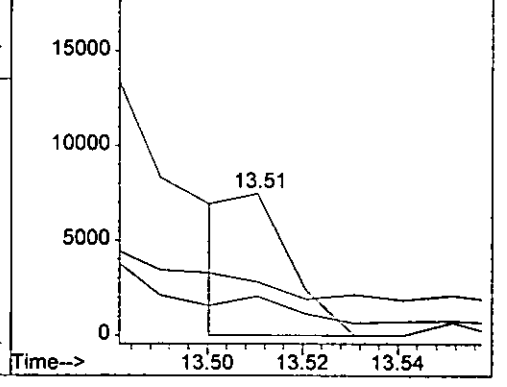
0583

Tgt Ion: 252 Resp: 6032

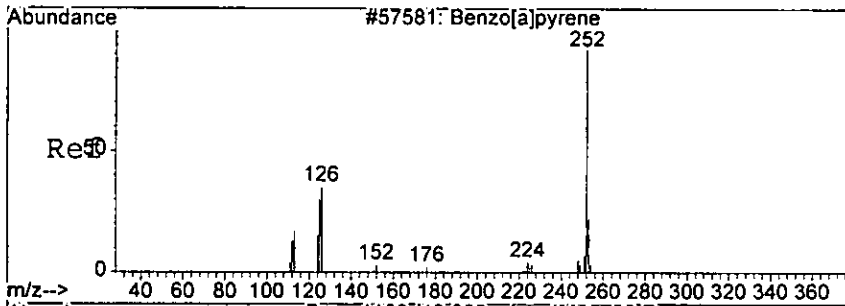
Ion	Ratio	Lower	Upper
252	100		
253	27.7	0.0	63.5
125	37.8	0.0	53.8



Abundance Ion 252.00 (251.70 to 252.70): 4M0573
 Ion 253.00 (252.70 to 253.70): 4M0573
 Ion 125.00 (124.70 to 125.70): 4M0573



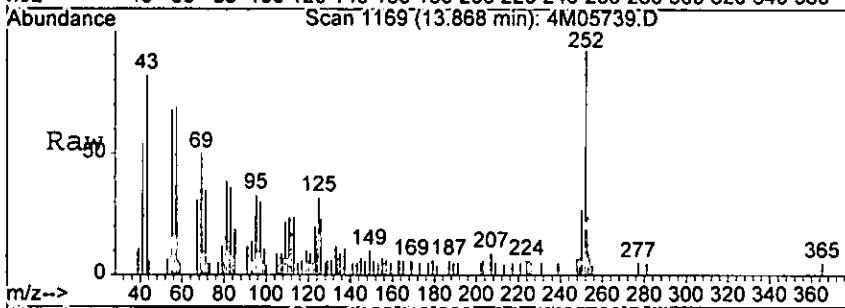
Handwritten signature



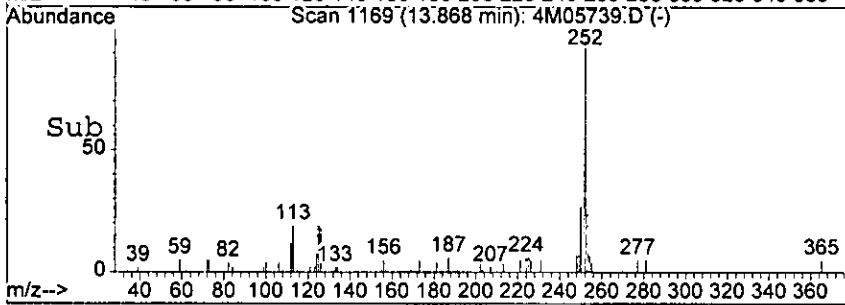
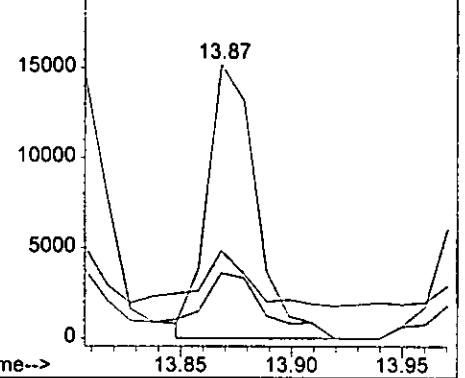
#85
 Benzo[a]pyrene
 Concen: 18.25 ng
 RT: 13.87 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: 4M05739.D
 Acq: 19 Aug 2005 12:10

7950

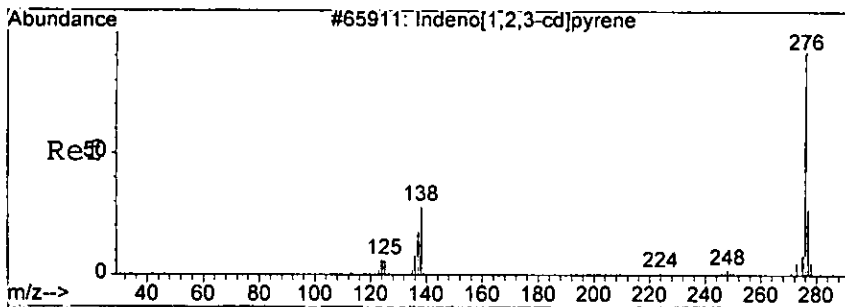
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	0.0	62.9
125	19.7	0.0	57.6



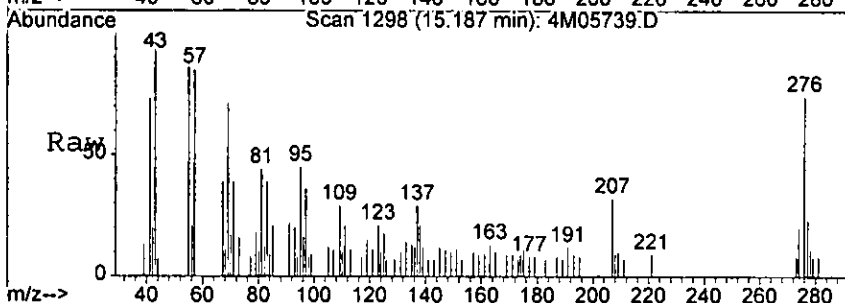
Abundance Ion 252.00 (251.70 to 252.70): 4M0573
 Ion 253.00 (252.70 to 253.70): 4M0573
 Ion 125.00 (124.70 to 125.70): 4M0573



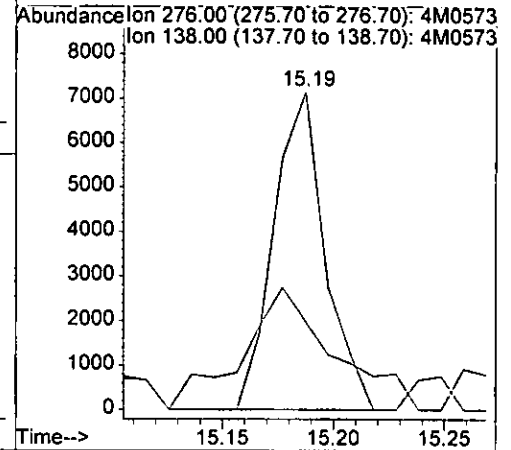
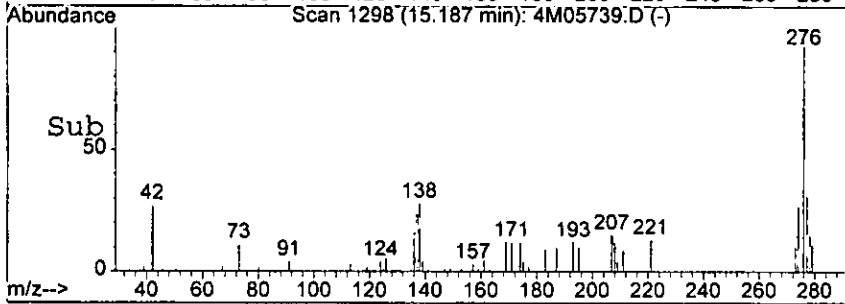
Handwritten signature



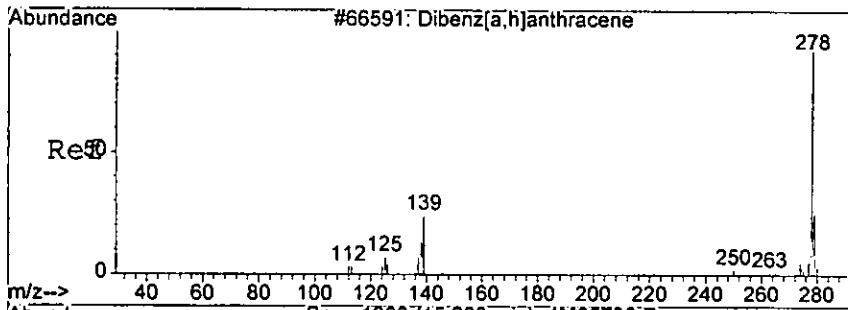
#86
 Indeno[1,2,3-cd]pyrene
 Concen: 7.44 ng
 RT: 15.19 min Scan# 1298
 Delta R.T. 0.01 min
 Lab File: 4M05739.D
 Acq: 19 Aug 2005 12:10



Tgt Ion: 276 Resp: 11401
 Ion Ratio Lower Upper
 276 100
 138 17.8 0.0 73.4

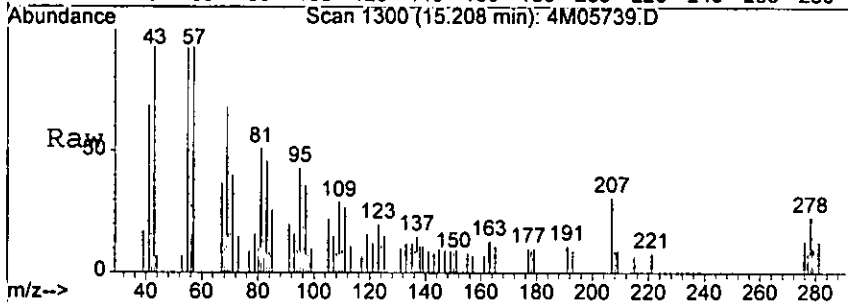


har

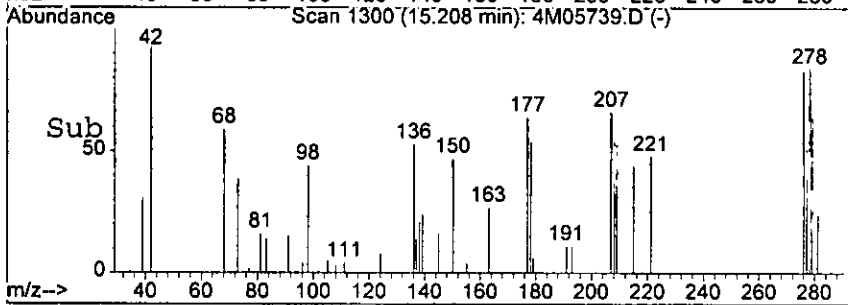


#87
 Dibenzo[a,h]anthracene
 Concen: 3.10 ng
 RT: 15.21 min Scan# 1300
 Delta R.T. 0.01 min
 Lab File: 4M05739.D
 Acq: 19 Aug 2005 12:10

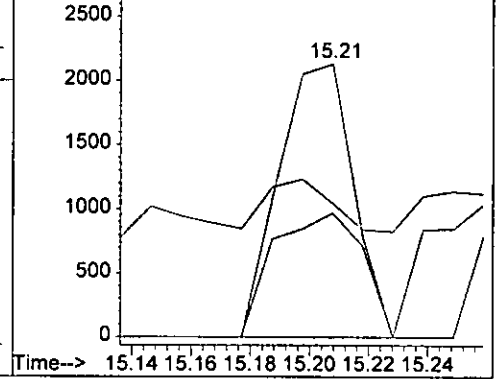
0509



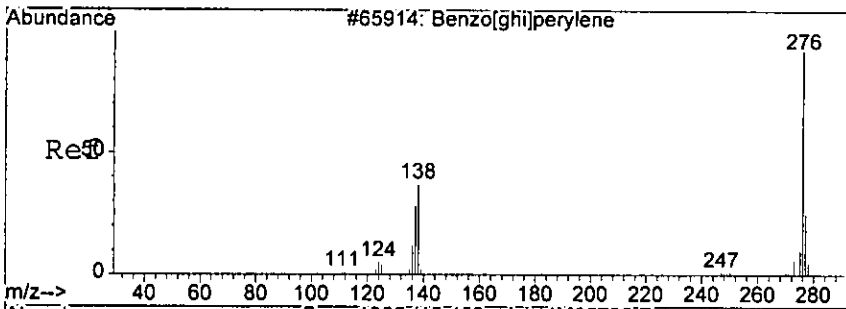
Tgt Ion	278	139	279
Resp:	3714	10.3	45.5
Ion Ratio	100	10.3	45.5
Lower		0.0	0.0
Upper		63.8	64.0



Abundance Ion 278.00 (277.70 to 278.70): 4M0573
 Ion 139.00 (138.70 to 139.70): 4M0573
 Ion 279.00 (278.70 to 279.70): 4M0573



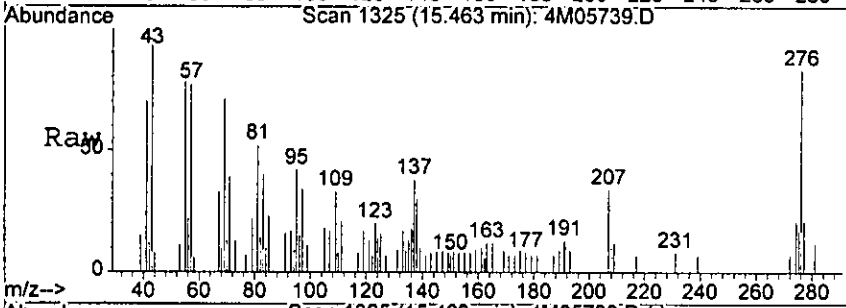
Handwritten signature



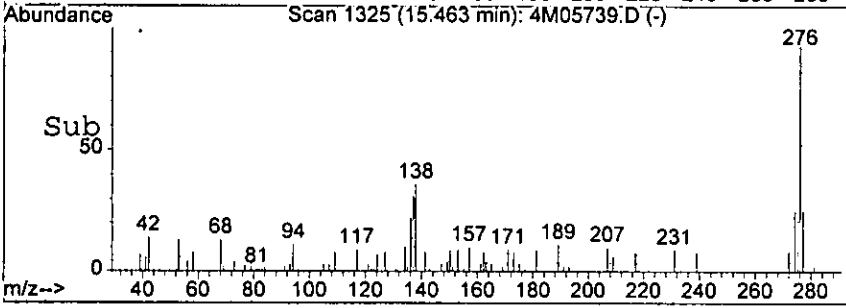
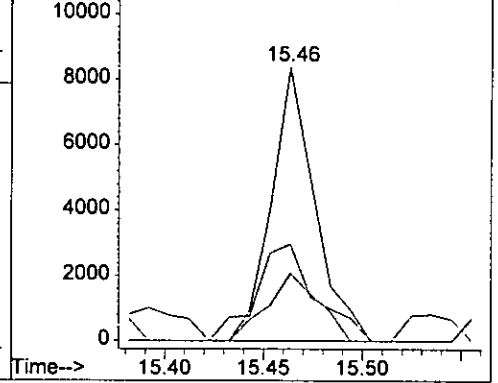
#88
 Benzo[g,h,i]perylene
 Concen: 10.14 ng
 RT: 15.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: 4M05739.D
 Acq: 19 Aug 2005 12:10

0567

Tgt Ion	276	Resp	12804
Ion Ratio	Lower	Upper	
276	100		
138	35.6	0.0	74.1
277	24.8	0.0	65.0



Abundance Ion 276.00 (275.70 to 276.70): 4M0573
 Ion 138.00 (137.70 to 138.70): 4M0573
 Ion 277.00 (276.70 to 277.70): 4M0573



Handwritten signature

Form1

ORGANICS SEMIVOLATILE REPORT

0568

Sample Number: AC19099-007
 Client Id: PCSB - 58 (0.5)
 Data File: 4M05717.D
 Analysis Date: 08/18/05 18:48
 Date Rec/Extracted: 08/16/05-08/17/05

Matrix: Soil
 Initial Vol: 30g
 Final Vol: 1ml
 Dilution: 1
 Solids: 91

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.0099	U	205-99-2	Benzo[b]fluoranthene	0.011	1.8
95-50-1	1,2-Dichlorobenzene	0.017	U	191-24-2	Benzo[g,h,i]perylene	0.0070	0.59
122-66-7	1,2-Diphenylhydrazine	0.011	U	207-08-9	Benzo[k]fluoranthene	0.012	0.47
541-73-1	1,3-Dichlorobenzene	0.015	U	111-91-1	bis(2-Chloroethoxy)methan	0.0084	U
106-46-7	1,4-Dichlorobenzene	0.019	U	111-44-4	bis(2-Chloroethyl)ether	0.019	U
95-95-4	2,4,5-Trichlorophenol	0.49	U	108-60-1	bis(2-chloroisopropyl)ether	0.012	U
88-06-2	2,4,6-Trichlorophenol	0.89	U	117-81-7	bis(2-Ethylhexyl)phthalat	0.033	0.61
120-83-2	2,4-Dichlorophenol	0.059	U	85-68-7	Butylbenzylphthalate	0.015	0.10
105-67-9	2,4-Dimethylphenol	0.051	U	86-74-8	Carbazole	0.011	0.12
51-28-5	2,4-Dinitrophenol	0.25	U	218-01-9	Chrysene	0.0076	1.3
121-14-2	2,4-Dinitrotoluene	0.014	U	84-74-2	Di-n-butylphthalate	0.0082	0.046 B
606-20-2	2,6-Dinitrotoluene	0.015	U	117-84-0	Di-n-octylphthalate	0.0087	U
91-58-7	2-Chloronaphthalene	0.010	U	53-70-3	Dibenzo[a,h]anthracene	0.013	0.30
95-57-8	2-Chlorophenol	0.075	U	132-64-9	Dibenzofuran	0.046	0.30
91-57-6	2-Methylnaphthalene	0.047	0.68	84-66-2	Diethylphthalate	0.010	U
95-48-7	2-Methylphenol	0.17	U	131-11-3	Dimethylphthalate	0.0083	U
88-74-4	2-Nitroaniline	0.026	U	206-44-0	Fluoranthene	0.011	1.5
88-75-5	2-Nitrophenol	0.043	U	86-73-7	Fluorene	0.0093	0.16
106-44-5	3&4-Methylphenol	0.19	U	118-74-1	Hexachlorobenzene	0.017	U
91-94-1	3,3'-Dichlorobenzidine	0.080	U	87-68-3	Hexachlorobutadiene	0.016	U
99-09-2	3-Nitroaniline	0.15	U	77-47-4	Hexachlorocyclopentadiene	0.097	U
534-52-1	4,6-Dinitro-2-methylphenol	0.070	U	67-72-1	Hexachloroethane	0.027	U
101-55-3	4-Bromophenyl-phenylether	0.014	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.0050	0.56
59-50-7	4-Chloro-3-methylphenol	0.093	U	78-59-1	Isophorone	0.011	U
106-47-8	4-Chloroaniline	0.28	U	621-64-7	N-Nitroso-di-n-propylamine	0.018	U
7005-72-3	4-Chlorophenyl-phenylether	0.017	U	62-75-9	N-Nitrosodimethylamine	0.43	U
100-01-6	4-Nitroaniline	0.090	U	86-30-6	n-Nitrosodiphenylamine	0.017	U
100-02-7	4-Nitrophenol	0.065	U	91-20-3	Naphthalene	0.0086	0.80
83-32-9	Acenaphthene	0.015	0.13	98-95-3	Nitrobenzene	0.015	U
208-96-8	Acenaphthylene	0.0085	0.074	87-86-5	Pentachlorophenol	0.045	U
120-12-7	Anthracene	0.0096	0.33	85-01-8	Phenanthrene	0.0084	1.7
92-87-5	Benidine	0.083	U	108-95-2	Phenol	0.056	U
56-55-3	Benzo[a]anthracene	0.0064	1.1	129-00-0	Pyrene	0.0085	2.2
50-32-8	Benzo[a]pyrene	0.0084	0.92				

Worksheet #: 18797

Total Target Concentration 15.79

U - Indicates the compound was analyzed but not detected.
 B - Indicates the analyte was found in the blank as well as in the sample.
 E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
 J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

Data File : G:\GcMsData\2005\Gcms_4\Data\08-18-05\4M05717.D Vial: 10
 Acq On : 18 Aug 2005 18:48 Operator: AHD
 Sample : AC19099-007 Inst : GCMS_4
 Misc : S,BNA Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:19 2005 Quant Results File: 4M_0818.RES

Quant Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration
 DataAcq Meth : 4M_0818

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	4.78	152	69889	40.00	ng	0.00
19) Naphthalene-d8	5.77	136	217534	40.00	ng	0.00
35) Acenaphthene-d10	7.33	164	122909	40.00	ng	0.00
59) Phenanthrene-d10	8.92	188	205265	40.00	ng	0.00
72) Chrysene-d12	12.10	240	94569	40.00	ng	0.00
81) Perylene-d12	13.95	264	47265	40.00	ng	0.02

System Monitoring Compounds

4) 2-Fluorophenol	3.62	112	296135	153.21	ng	0.00
Spiked Amount	200.000		Recovery	=	76.61%	
7) Phenol-d5	4.50	99	382091	156.50	ng	0.00
Spiked Amount	200.000		Recovery	=	78.25%	
20) Nitrobenzene-d5	5.23	128	89632	89.13	ng	0.00
Spiked Amount	100.000		Recovery	=	89.13%	
40) 2-Fluorobiphenyl	6.69	172	315017	81.14	ng	0.00
Spiked Amount	100.000		Recovery	=	81.14%	
62) 2,4,6-Tribromophenol	8.15	332	146585	176.39	ng	0.00
Spiked Amount	200.000		Recovery	=	88.19%	
75) Terphenyl-d14	10.82	244	301934	135.95	ng	0.00
Spiked Amount	100.000		Recovery	=	135.95%	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
29) Naphthalene	5.79	128	112928	21.91	ng	99
33) 2-Methylnaphthalene	6.37	142	65214	18.69	ng	97
46) Acenaphthylene	7.19	152	10995	2.01	ng	74
49) Acenaphthene	7.36	153	12140	3.56	ng	93
52) Dibenzofuran	7.53	168	39229	8.08	ng	91
55) Fluorene	7.89	166	16330	4.44	ng	95
67) Phenanthrene	8.95	178	247534	46.33	ng	99
68) Anthracene	9.00	178	48049	8.94	ng	97
69) Carbazole	9.21	167	16966	3.26	ng	97
70) Di-n-butylphthalate	9.65	149	8992	1.25	ng	70
71) Fluoranthene	10.33	202	240920	41.58	ng	100
73) Pyrene	10.60	202	197084	60.82	ng	92
76) Butylbenzylphthalate	11.45	149	4788	2.78	ng	70
78) Benzo[a]anthracene	12.09	228	92423	31.20	ng	97
79) Chrysene	12.13	228	100618	35.71	ng	94
80) bis(2-Ethylhexyl)phthalate	12.22	149	40731	16.74	ng	100
83) Benzo[b]fluoranthene	13.48	252	86646m	49.91	ng	
84) Benzo[k]fluoranthene	13.51	252	19979m	12.92	ng	
85) Benzo[a]pyrene	13.88	252	39325	25.11	ng	95

(#) = qualifier out of range (m) = manual integration

h2ar

Data File : G:\GcMsData\2005\Gcms_4\Data\08-18-05\4M05717.D Vial: 19
 Acq On : 18 Aug 2005 18:48 Operator: AHD
 Sample : AC19099-007 Inst : GCMS_4
 Misc : S,BNA Multiplr: 1.00

MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:19 2005

Quant Results File: 4M_0818.RES

Quant Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration
 DataAcq Meth : 4M_0818

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
86) Indeno[1,2,3-cd]pyrene	15.19	276	28659	15.25	ng	98
87) Dibenzo[a,h]anthracene	15.21	278	11947	8.14	ng	96
88) Benzo[g,h,i]perylene	15.46	276	24966	16.13	ng	96

(#) = qualifier out of range (m) = manual integration

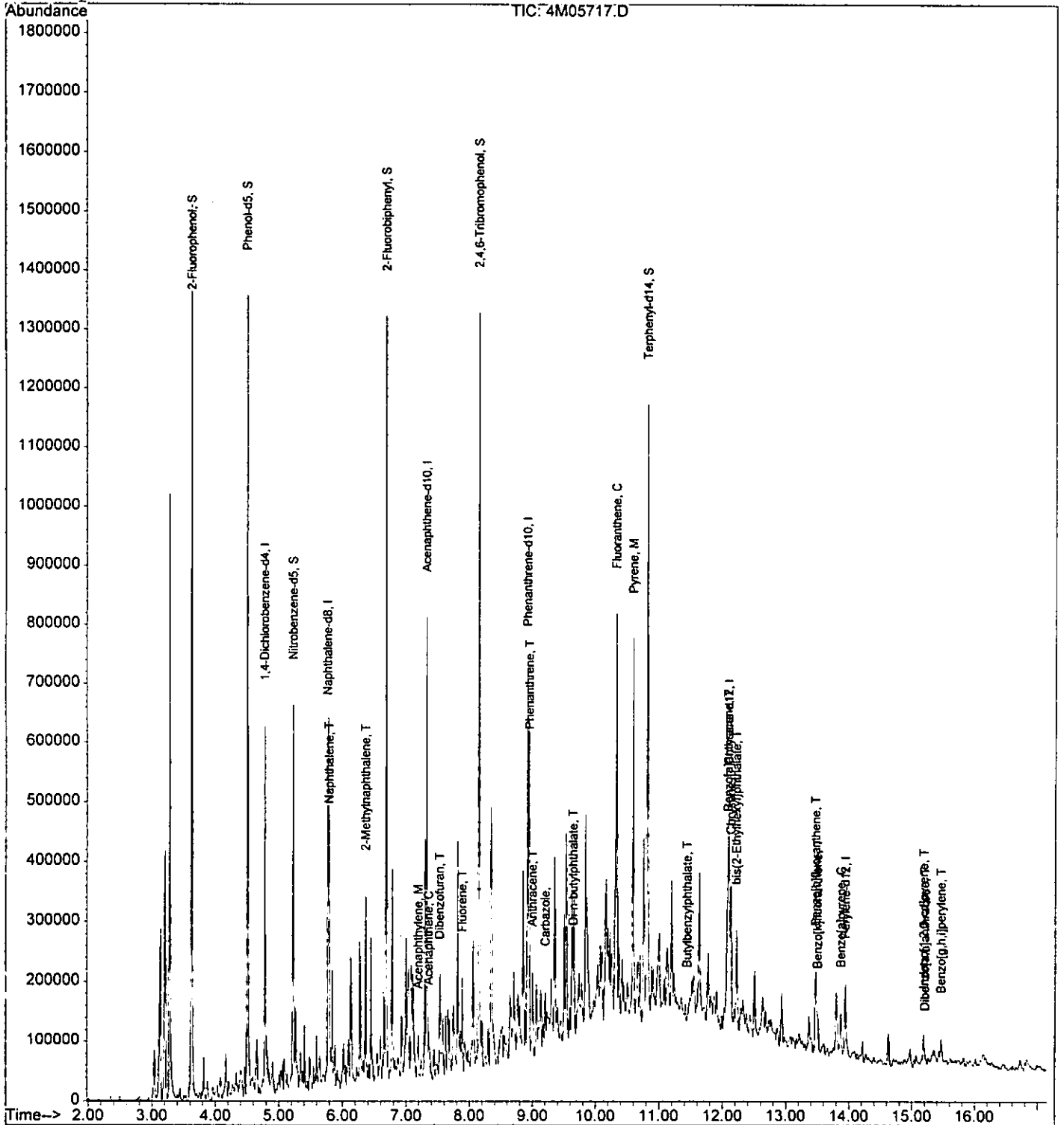
Quantitation Report

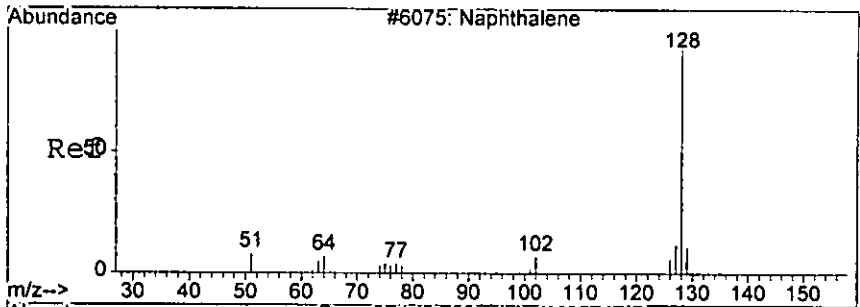
Data File : G:\GcMsData\2005\Gcms_4\Data\08-18-05\4M05717.D
 Acq On : 18 Aug 2005 18:48
 Sample : AC19099-007
 Misc : S,BNA
 MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:19 2005

Vial: 1950
 Operator: AHD
 Inst : GCMS_4
 Multiplr: 1.00

Quant Results File: 4M_0818.RES

Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration



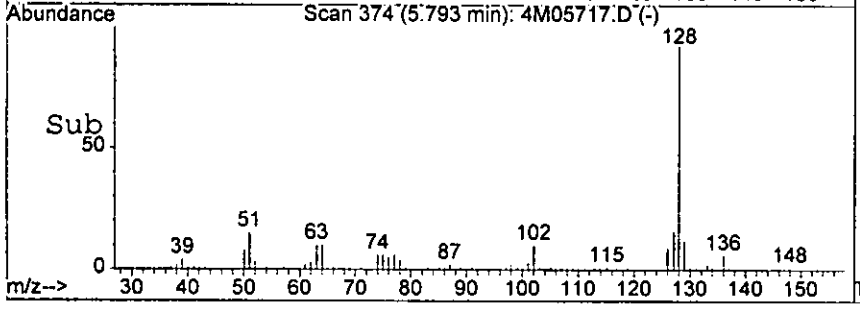
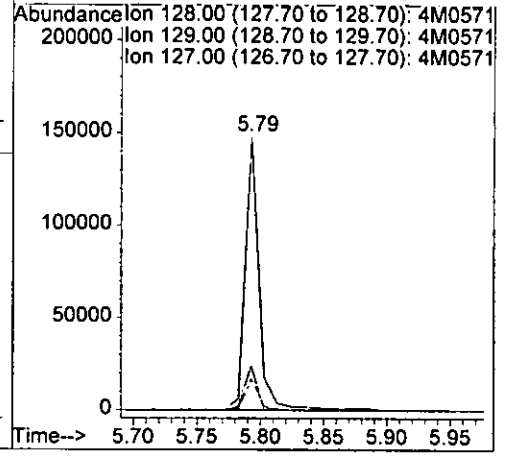
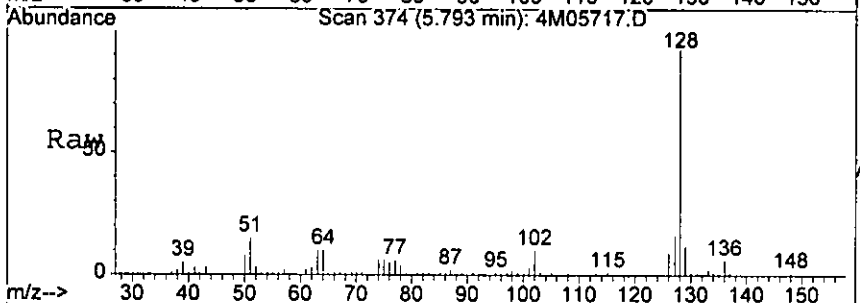


#29
 Naphthalene
 Concen: 21.91 ng
 RT: 5.79 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: 4M05717.D
 Acq: 18 Aug 2005 18:48

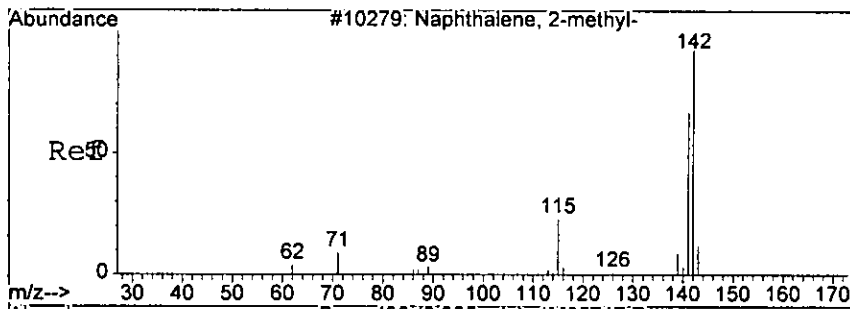
0572

Tgt Ion: 128 Resp: 112928

Ion	Ratio	Lower	Upper
128	100		
129	11.6	0.0	51.8
127	16.2	0.0	57.0



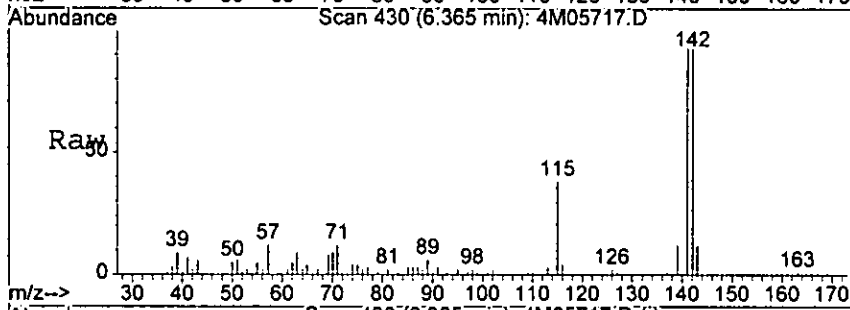
Handwritten signature



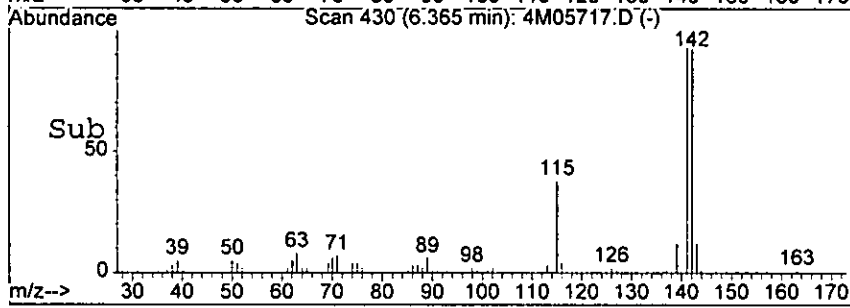
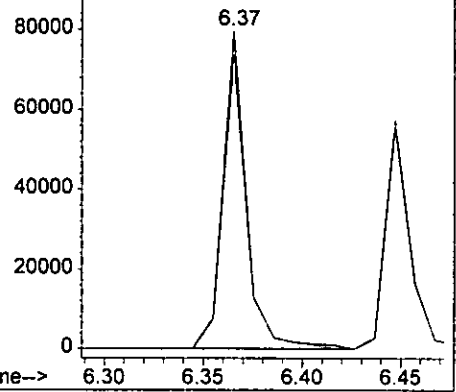
#33
 2-Methylnaphthalene
 Concen: 18.69 ng
 RT: 6.37 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: 4M05717.D
 Acq: 18 Aug 2005 18:48

0573

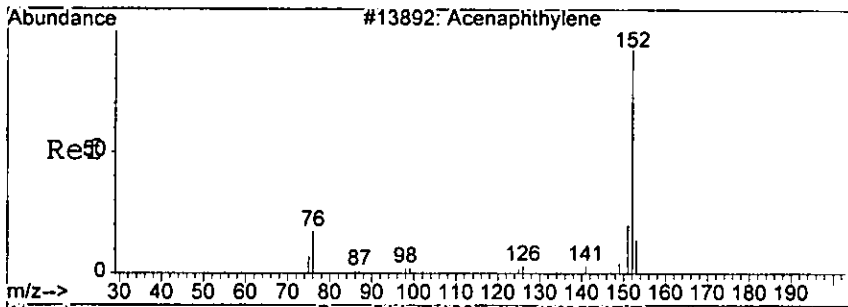
Tgt Ion: 142 Resp: 65214
 Ion Ratio Lower Upper
 142 100
 141 92.7 55.7 135.7



Abundance Ion 142.00 (141.70 to 142.70): 4M0571
 Ion 141.00 (140.70 to 141.70): 4M0571



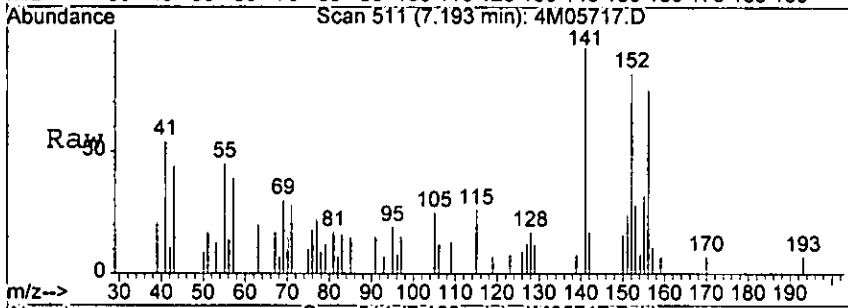
Handwritten signature



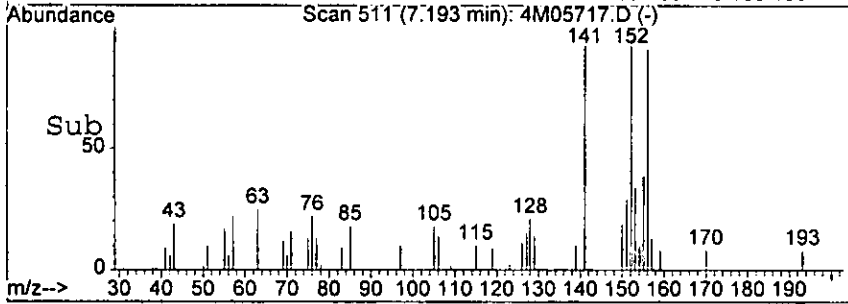
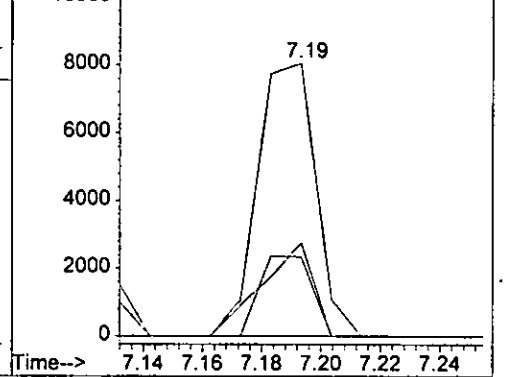
#46
 Acenaphthylene
 Concen: 2.01 ng
 RT: 7.19 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: 4M05717.D
 Acq: 18 Aug 2005 18:48

0574

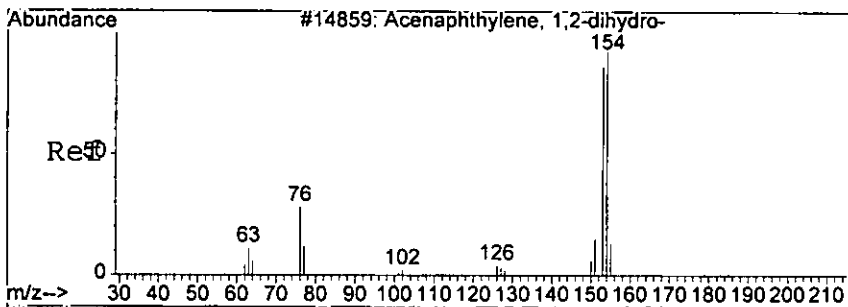
Tgt Ion:	152	151	153
Resp:	10995	29.0	34.4
Ion Ratio Lower:	100	0.0	0.0
Ion Ratio Upper:	63.6	53.8	



Abundance Ion 152.00 (151.70 to 152.70): 4M0571
 Ion 151.00 (150.70 to 151.70): 4M0571
 Ion 153.00 (152.70 to 153.70): 4M0571



18295

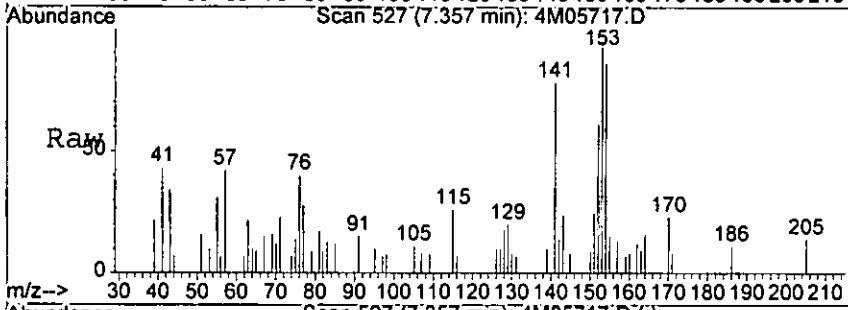


#49
 Acenaphthene
 Concen: 3.56 ng
 RT: 7.36 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: 4M05717.D
 Acq: 18 Aug 2005 18:48

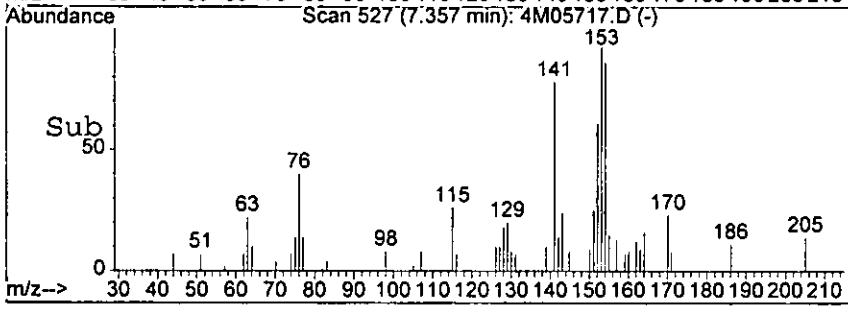
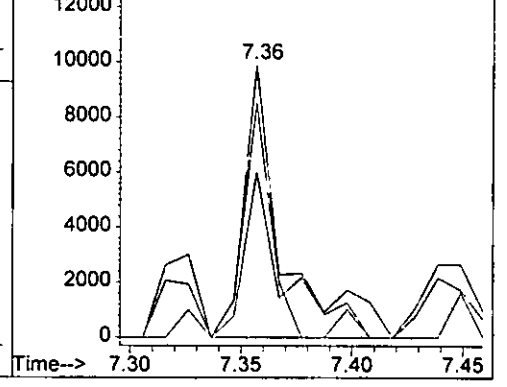
0575

Tgt Ion: 153 Resp: 12140

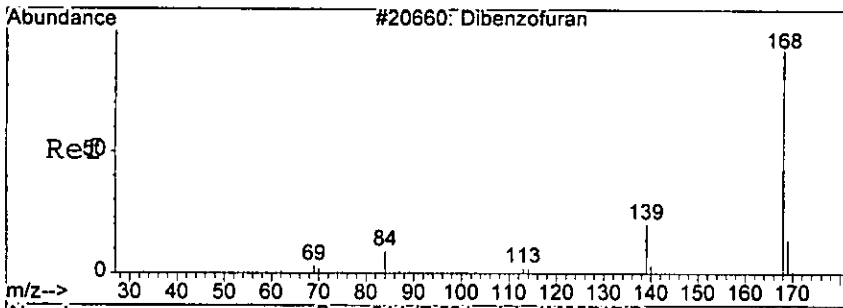
Ion	Ratio	Lower	Upper
153	100		
152	60.9	8.3	88.3
154	86.0	45.1	125.1



Abundance Ion 153.00 (152.70 to 153.70): 4M05717.D
 Ion 152.00 (151.70 to 152.70): 4M05717.D
 Ion 154.00 (153.70 to 154.70): 4M05717.D

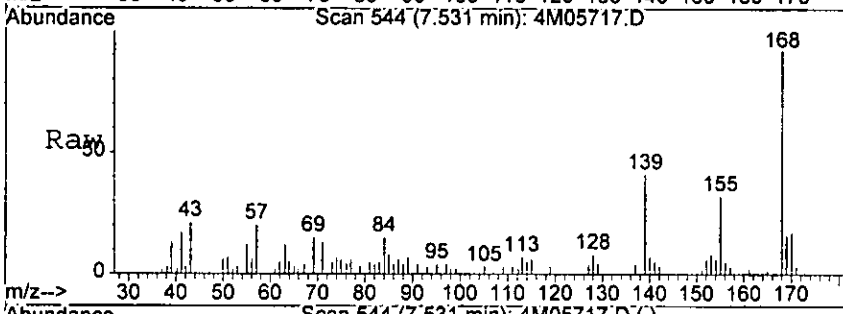


Handwritten signature

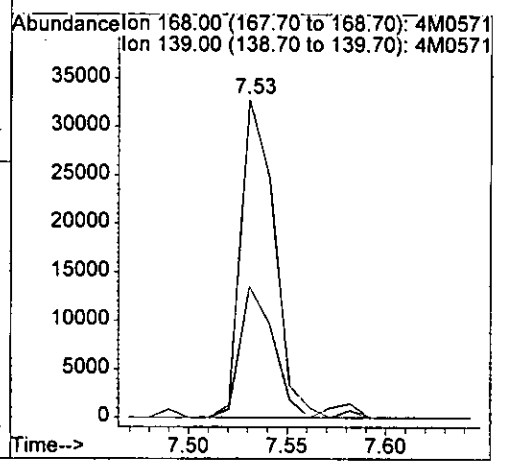
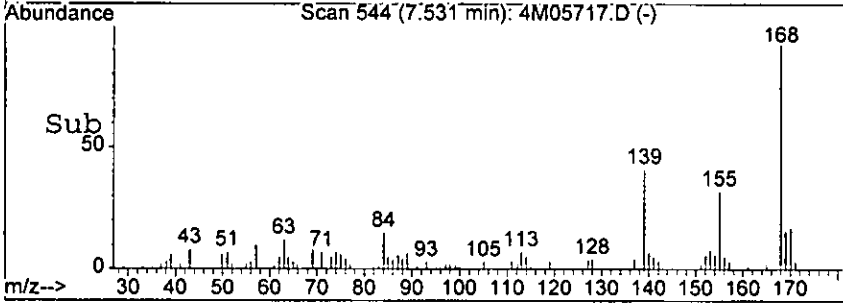


#52
 Dibenzofuran
 Concen: 8.08 ng
 RT: 7.53 min Scan# 544
 Delta R.T. -0.00 min
 Lab File: 4M05717.D
 Acq: 18 Aug 2005 18:48

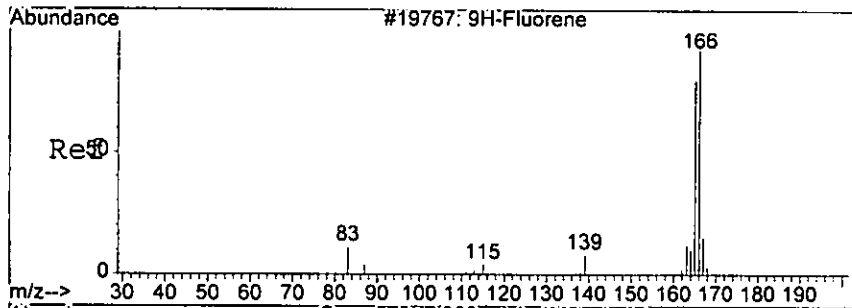
0576



Tgt Ion: 168 Resp: 39229
 Ion Ratio Lower Upper
 168 100
 139 41.2 6.0 66.0



Handwritten signature

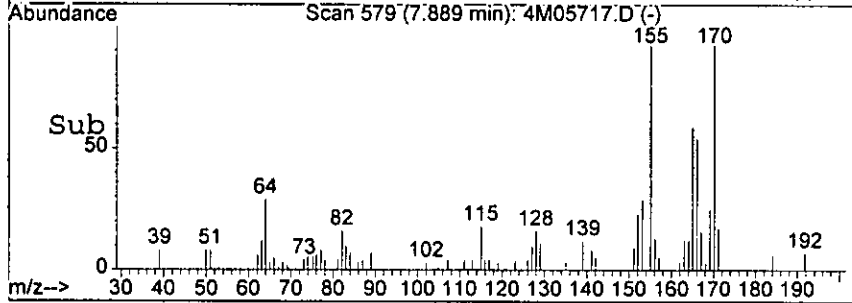
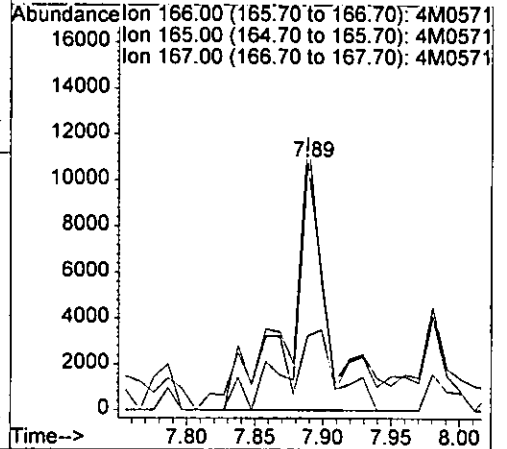
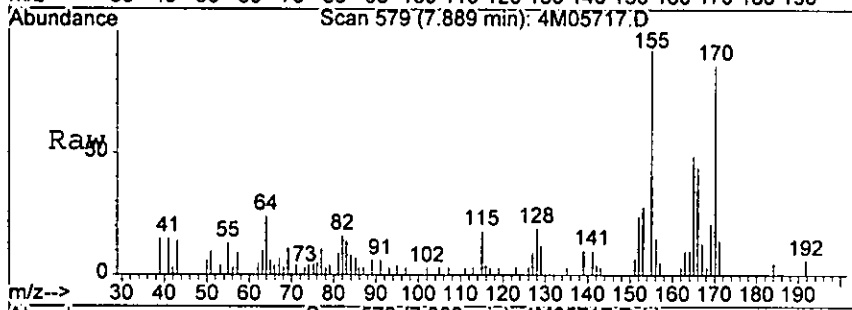


#55
 Fluorene
 Concen: 4.44 ng
 RT: 7.89 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: 4M05717.D
 Acq: 18 Aug 2005 18:48

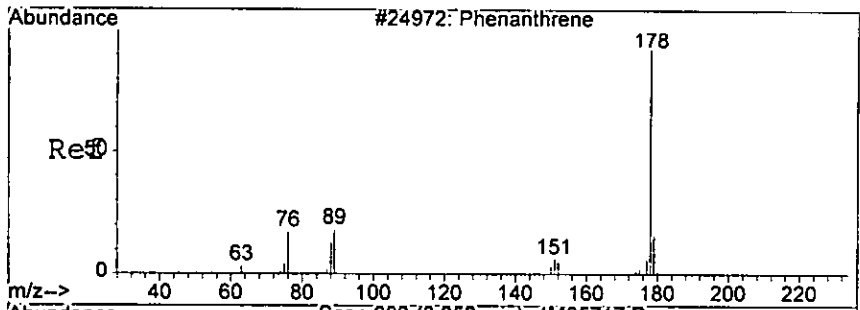
0577

Tgt Ion: 166 Resp: 16330

Ion	Ratio	Lower	Upper
166	100		
165	104.0	63.3	143.3
167	30.3	0.0	54.6



Lower

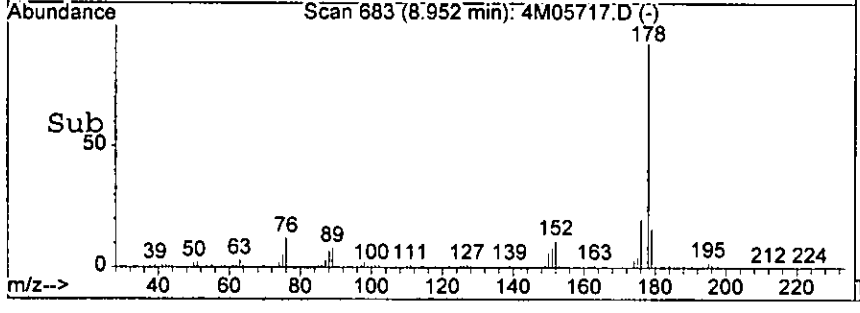
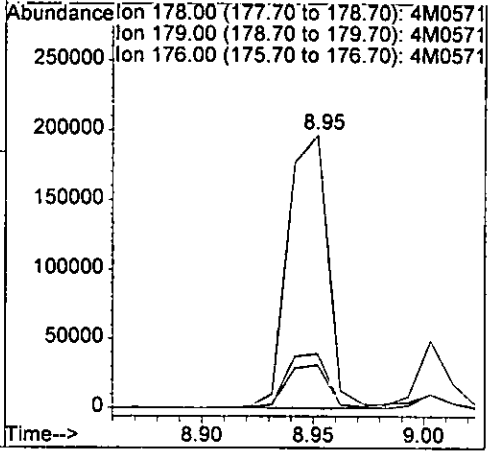
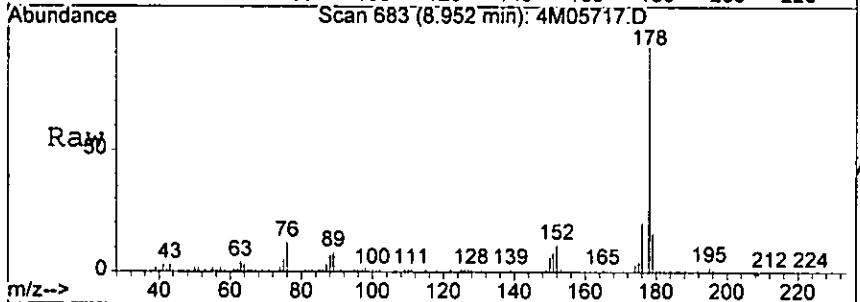


#67
 Phenanthrene
 Concen: 46.33 ng
 RT: 8.95 min Scan# 683
 Delta R.T. 0.01 min
 Lab File: 4M05717.D
 Acq: 18 Aug 2005 18:48

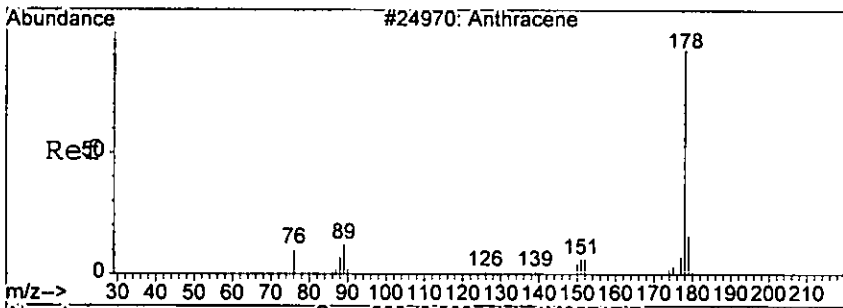
0578

Tgt Ion: 178 Resp: 247534

Ion	Ratio	Lower	Upper
178	100		
179	15.9	0.0	56.6
176	20.0	0.0	60.5

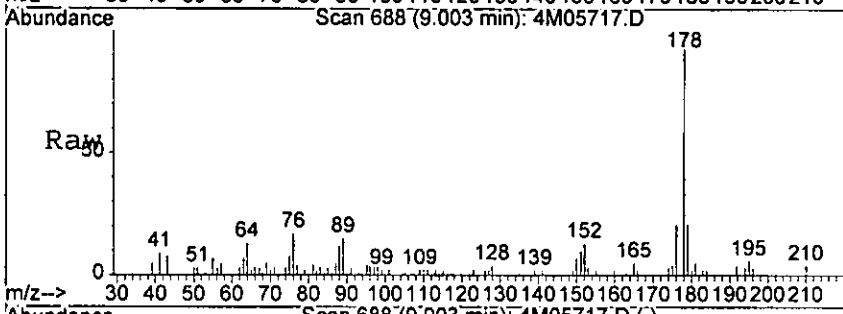


Handwritten signature



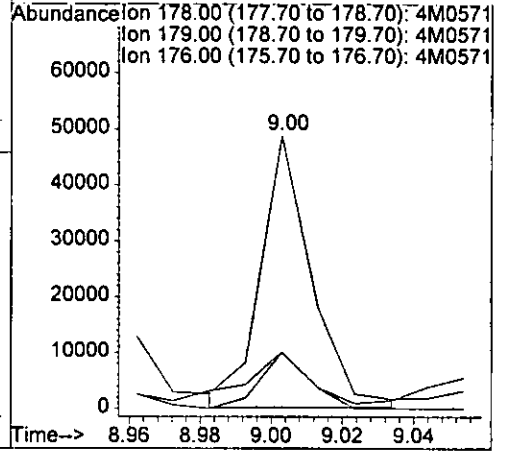
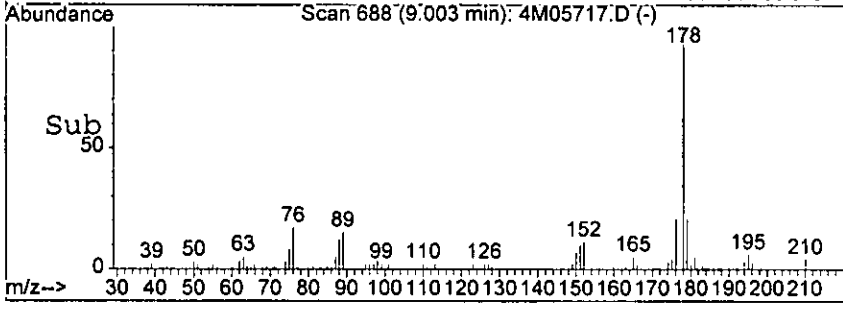
#68
 Anthracene
 Concen: 8.94 ng
 RT: 9.00 min Scan# 688
 Delta R.T. -0.00 min
 Lab File: 4M05717.D
 Acq: 18 Aug 2005 18:48

0579

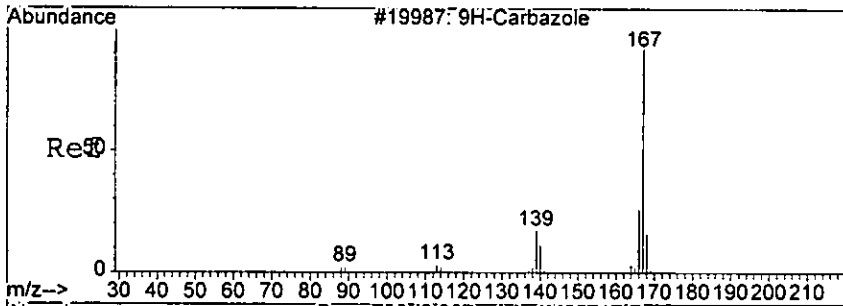


Tgt Ion: 178 Resp: 48049

Ion	Ratio	Lower	Upper
178	100		
179	18.4	0.0	56.6
176	21.3	0.0	60.2



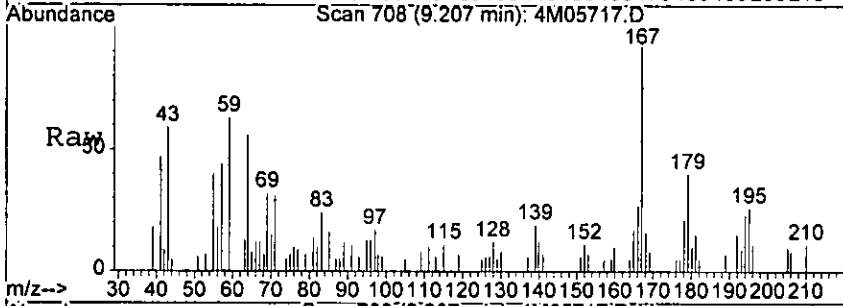
kozar



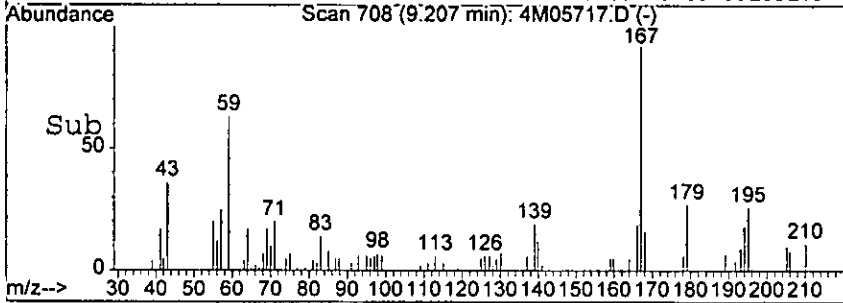
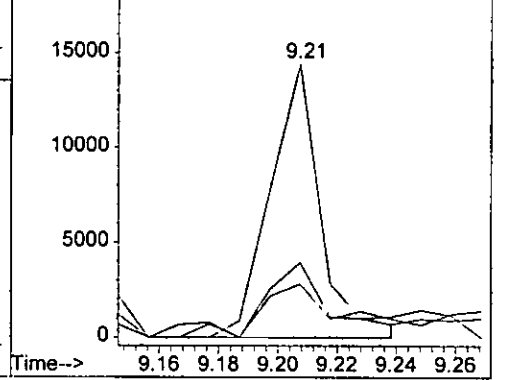
#69
 Carbazole
 Concen: 3.26 ng
 RT: 9.21 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: 4M05717.D
 Acq: 18 Aug 2005 18:48

0580

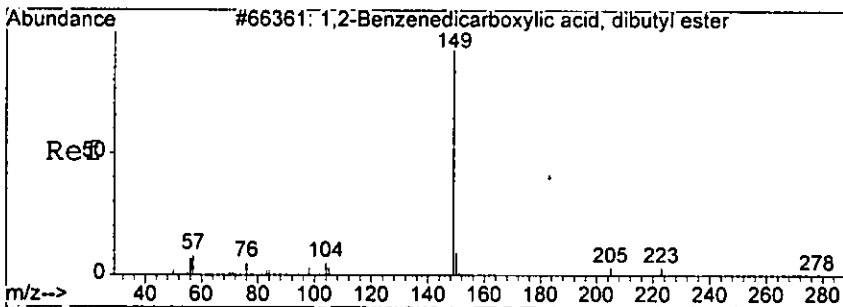
Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.4	4.9	44.9
139	14.0	0.0	33.9



Abundance Ion 167.10 (166.80 to 167.80): 4M0571
 Ion 166.20 (165.90 to 166.90): 4M0571
 Ion 139.05 (138.75 to 139.75): 4M0571



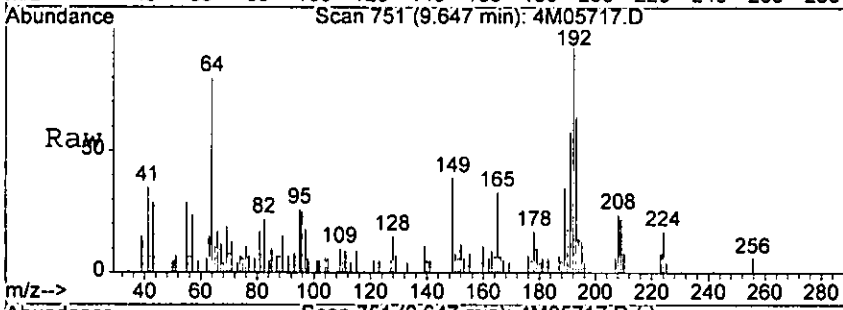
1829



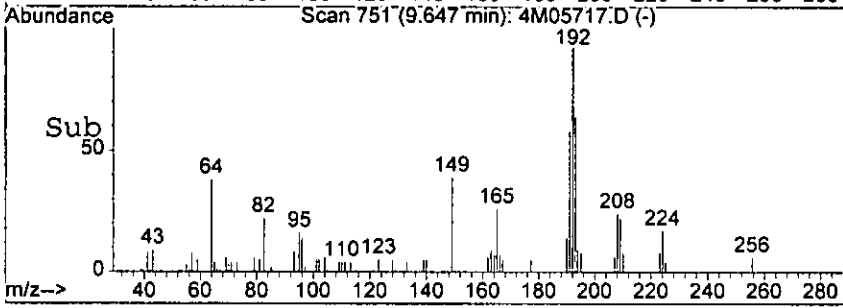
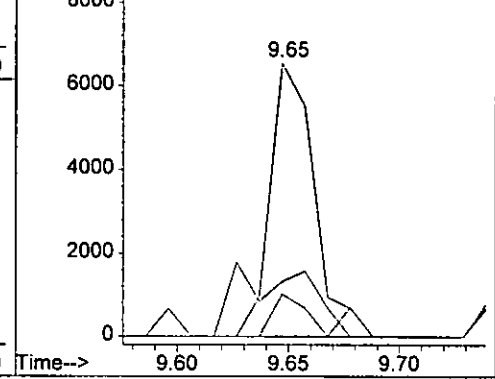
#70
 Di-n-butylphthalate
 Concen: 1.25 ng
 RT: 9.65 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: 4M05717.D
 Acq: 18 Aug 2005 18:48

0521

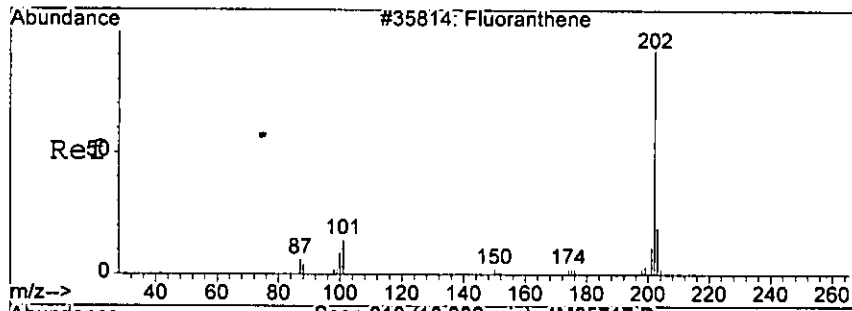
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	8992		
150	20.1		0.0	49.8
104	15.4		0.0	44.6



Abundance Ion 149.00 (148.70 to 149.70): 4M0571
 Ion 150.00 (149.70 to 150.70): 4M0571
 Ion 104.00 (103.70 to 104.70): 4M0571



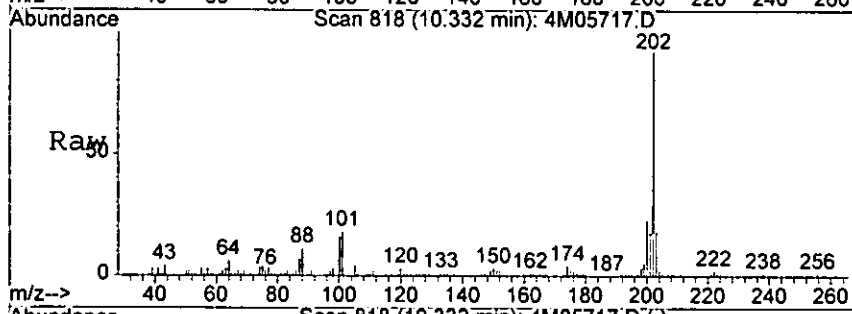
Handwritten signature



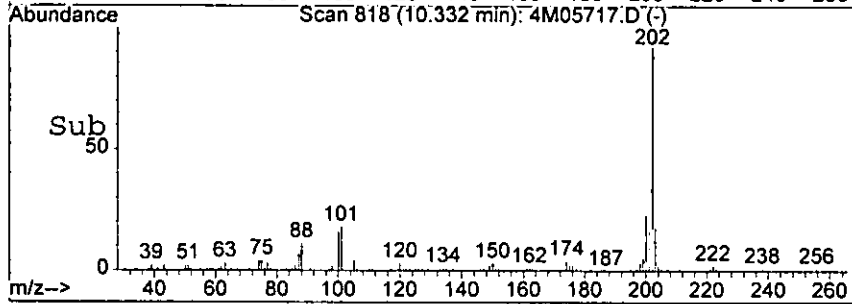
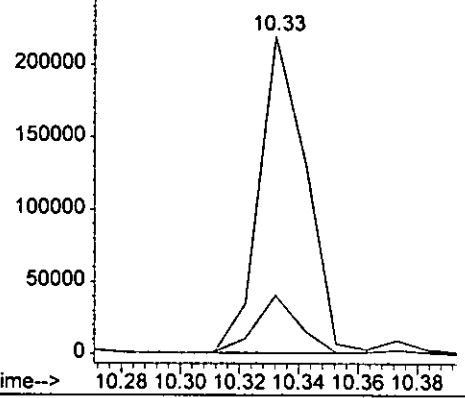
#71
 Fluoranthene
 Concn: 41.58 ng
 RT: 10.33 min Scan# 818
 Delta R.T. 0.01 min
 Lab File: 4M05717.D
 Acq: 18 Aug 2005 18:48

0582

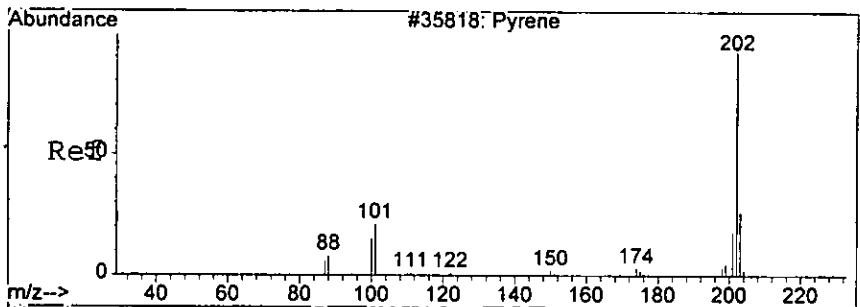
Tgt Ion: 202 Resp: 240920
 Ion Ratio Lower Upper
 202 100
 101 18.2 0.0 58.3



Abundance Ion 202.00 (201.70 to 202.70): 4M05717.D
 Ion 101.00 (100.70 to 101.70): 4M05717.D



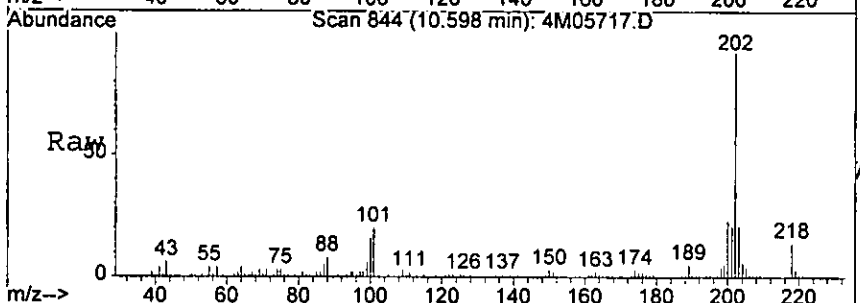
Handwritten signature



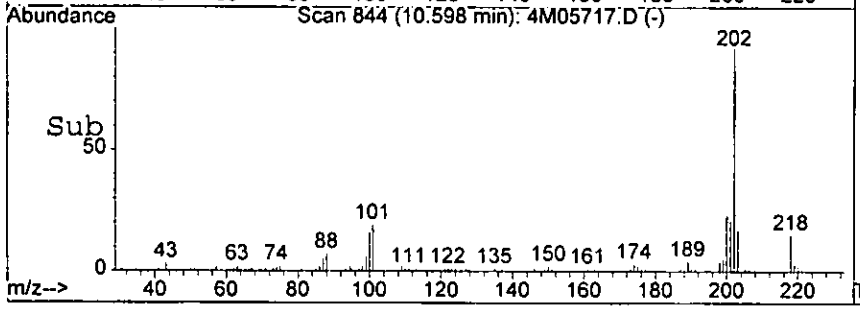
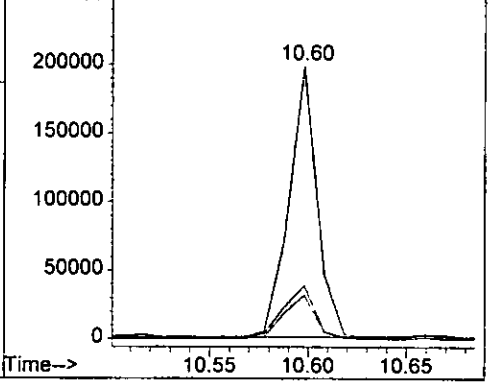
#73
 Pyrene
 Concen: 60.82 ng
 RT: 10.60 min Scan# 844
 Delta R.T. 0.01 min
 Lab File: 4M05717.D
 Acq: 18 Aug 2005 18:48

0583

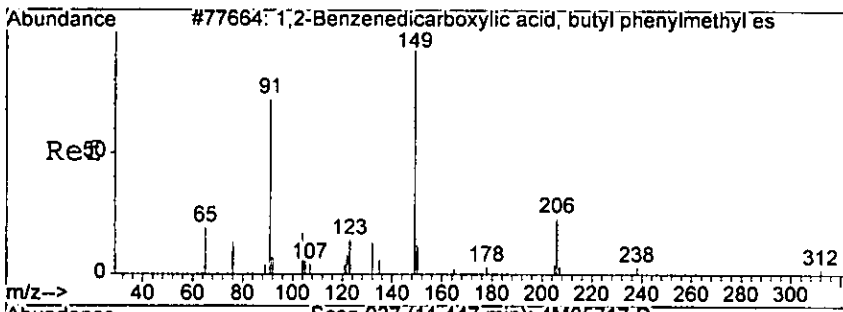
Tgt Ion:	202	Resp:	197084
Ion Ratio	Lower	Upper	
202	100		
101	19.3	0.0	62.7
100	16.2	0.0	60.5



Abundance Ion 202.00 (201.70 to 202.70): 4M05717
 Ion 101.00 (100.70 to 101.70): 4M05717
 Ion 100.00 (99.70 to 100.70): 4M05717

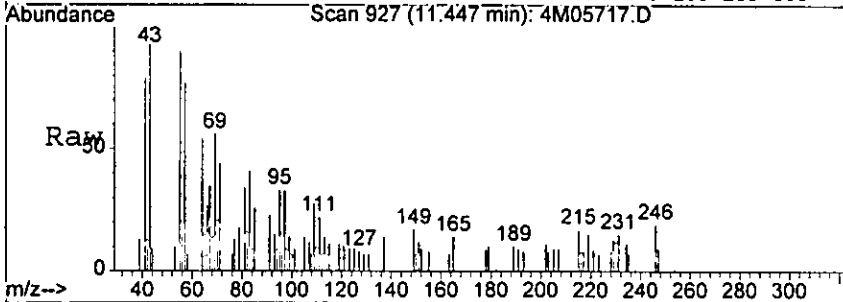


Handwritten signature



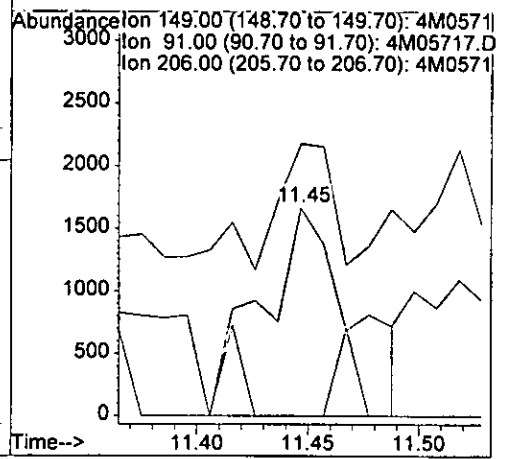
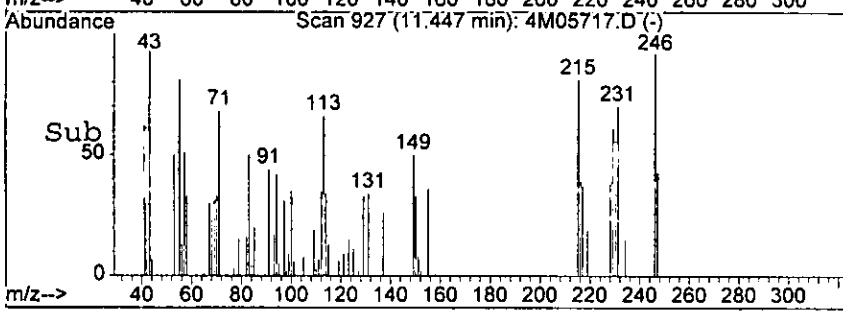
#76
 Butylbenzylphthalate
 Concn: 2.78 ng
 RT: 11.45 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: 4M05717.D
 Acq: 18 Aug 2005 18:48

0587

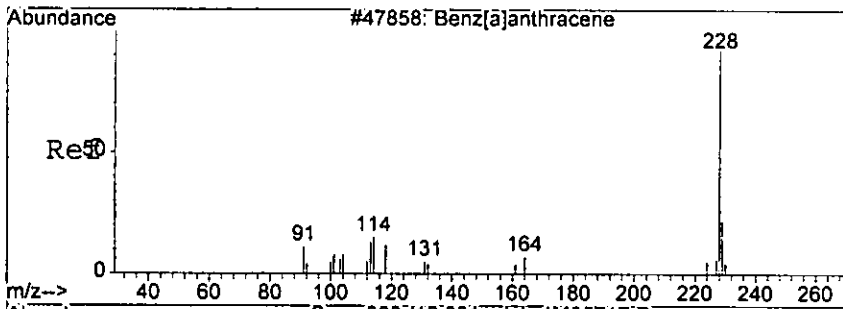


Tgt Ion: 149 Resp: 4788

Ion	Ratio	Lower	Upper
149	100		
91	51.1	35.6	115.6
206	0.0	0.0	54.4

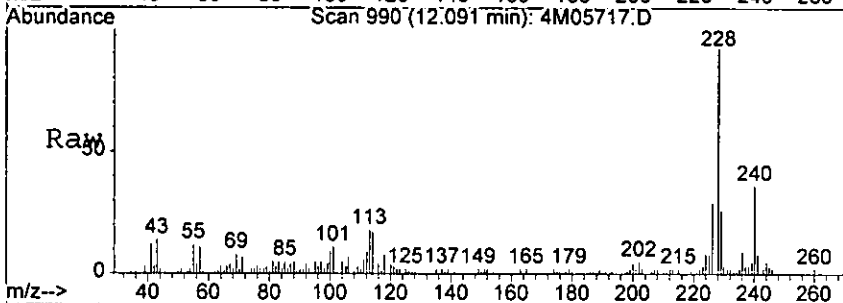


hgr



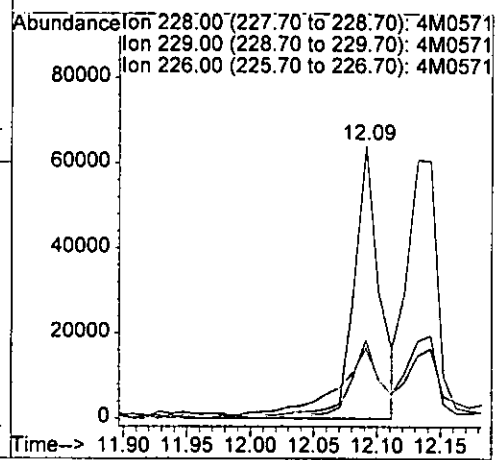
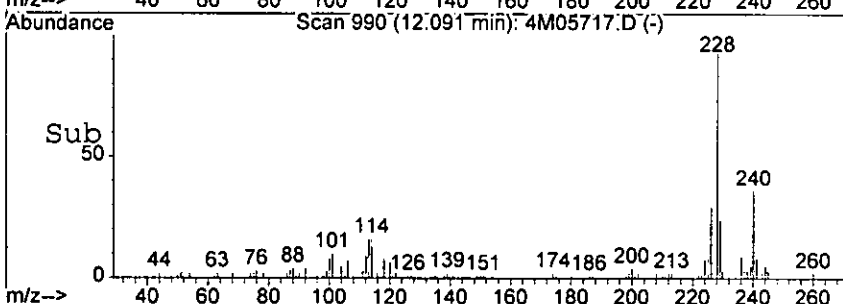
#78
 Benzo[a]anthracene
 Concen: 31.20 ng
 RT: 12.09 min Scan# 990
 Delta R.T. 0.01 min
 Lab File: 4M05717.D
 Acq: 18 Aug 2005 18:48

0585

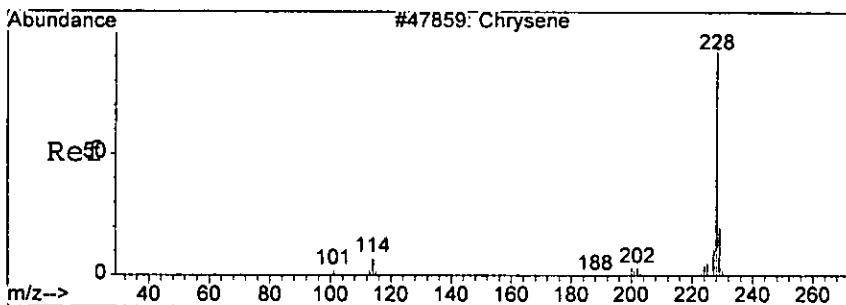


Tgt Ion: 228 Resp: 92423

Ion	Ratio	Lower	Upper
228	100		
229	24.0	0.0	60.5
226	28.8	0.0	69.0

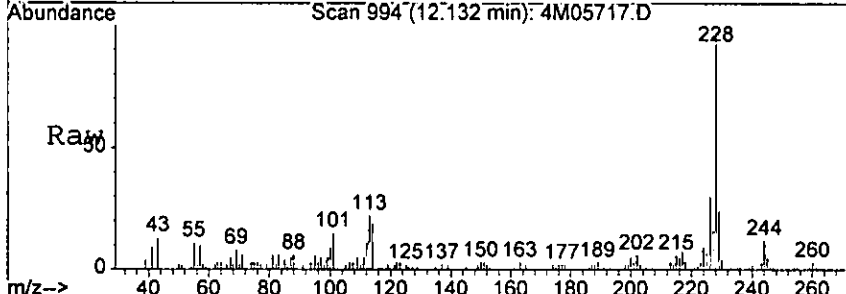


Handwritten signature



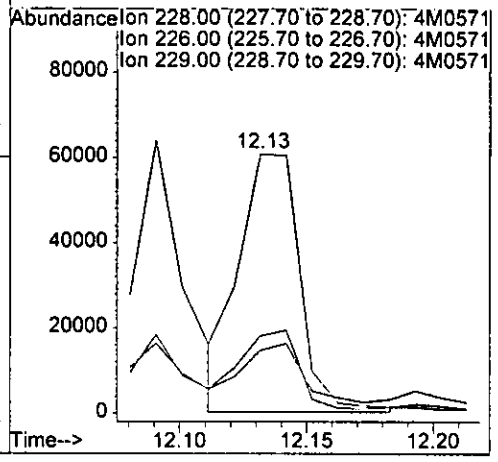
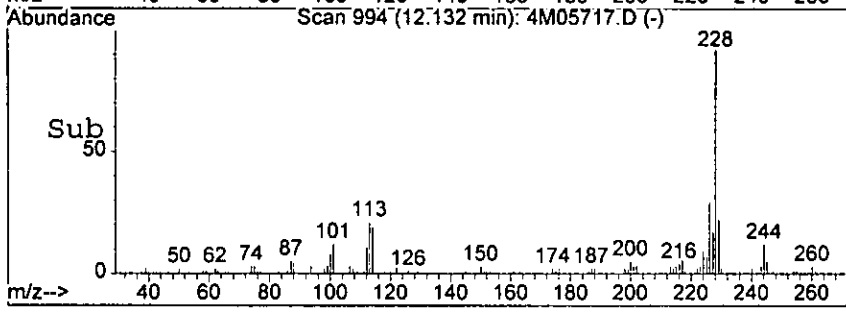
#79
 Chrysene
 Concen: 35.71 ng
 RT: 12.13 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: 4M05717.D
 Acq: 18 Aug 2005 18:48

1586

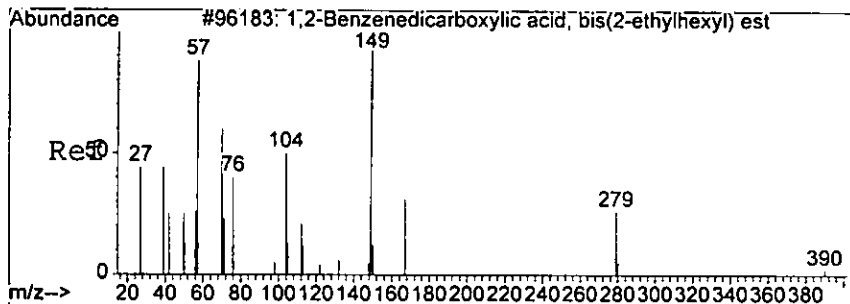


Tgt Ion: 228 Resp: 100618

Ion	Ratio	Lower	Upper
228	100		
226	28.0	12.0	52.0
229	19.2	0.0	61.1



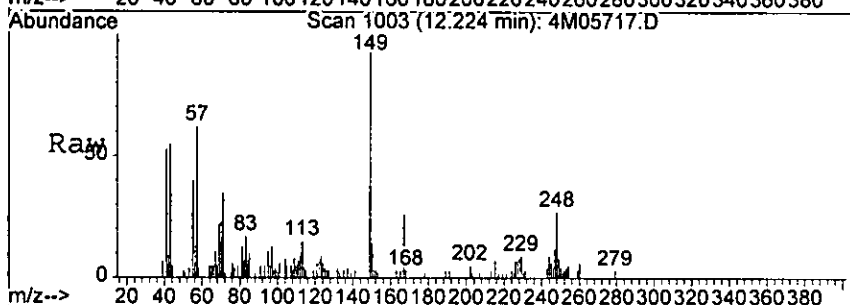
Notar



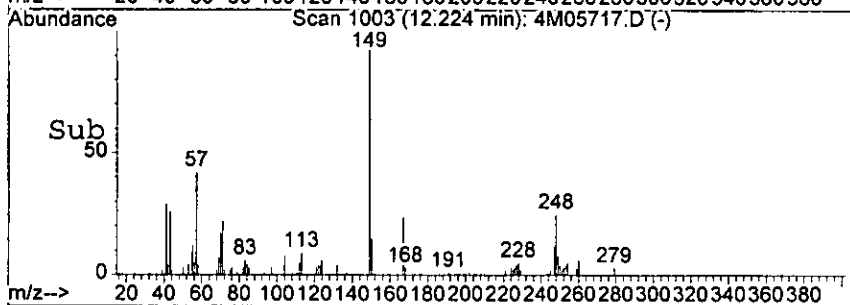
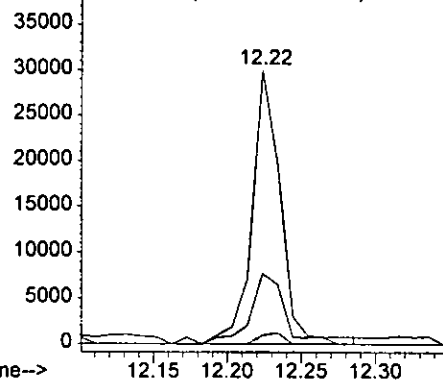
#80
 bis(2-Ethylhexyl)phthalate
 Concen: 16.74 ng
 RT: 12.22 min Scan# 1003
 Delta R.T. -0.00 min
 Lab File: 4M05717.D
 Acq: 18 Aug 2005 18:48

0537

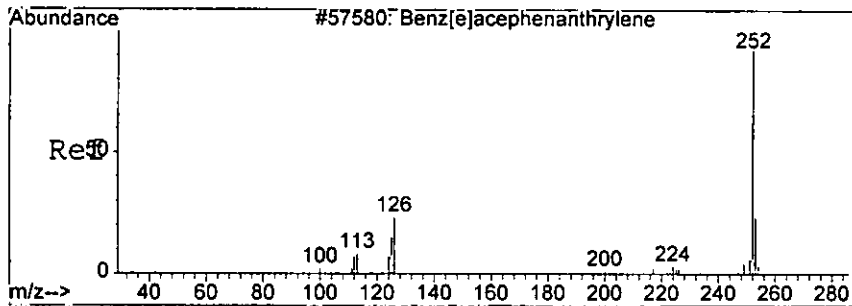
Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.7	0.0	53.9
279	3.2	0.0	43.5



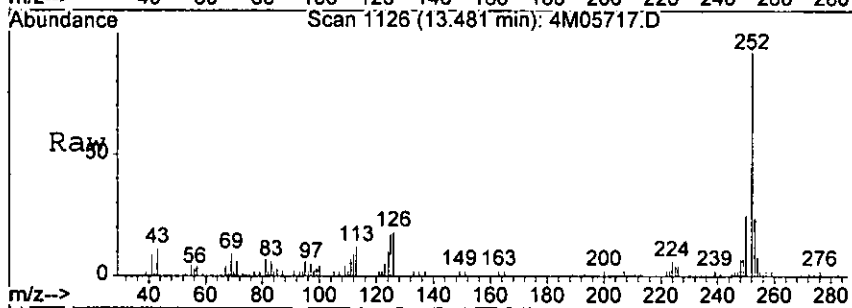
Abundance Ion 149.00 (148.70 to 149.70): 4M0571
 Ion 167.00 (166.70 to 167.70): 4M0571
 Ion 279.00 (278.70 to 279.70): 4M0571



Dear

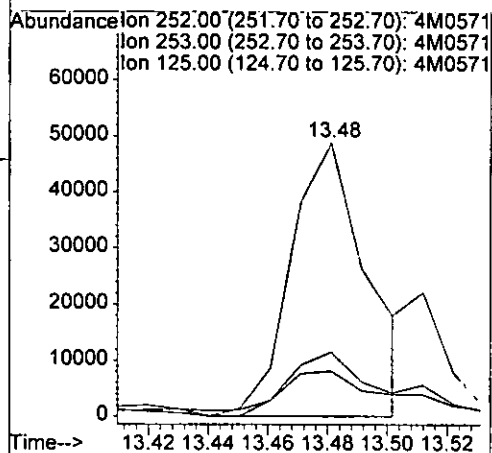
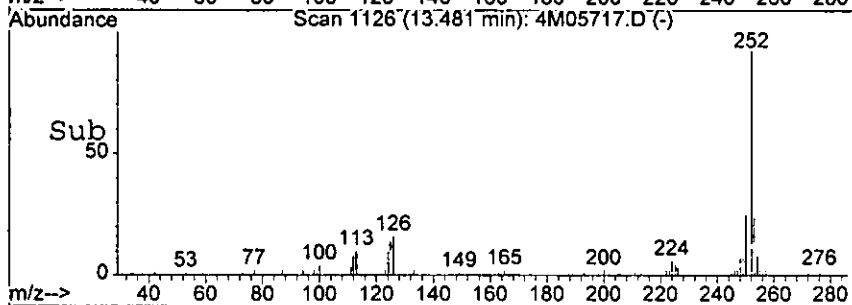


#83
 Benzo [b] fluoranthene
 Concen: 49.91 ng m
 RT: 13.48 min Scan# 1126
 Delta R.T. 0.01 min
 Lab File: 4M05717.D
 Acq: 18 Aug 2005 18:48

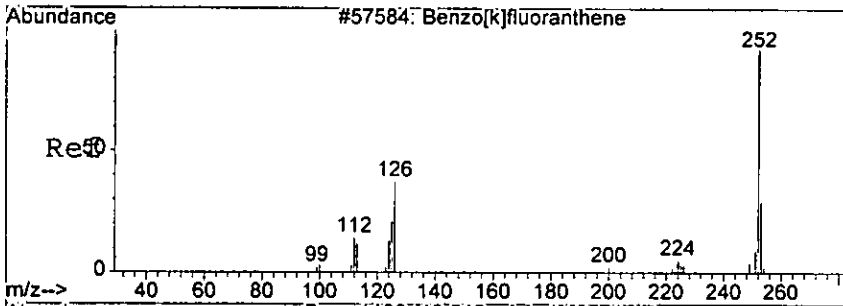


Tgt Ion: 252 Resp: 86646

Ion	Ratio	Lower	Upper
252	100		
253	23.6	0.0	63.3
125	16.7	0.0	57.6



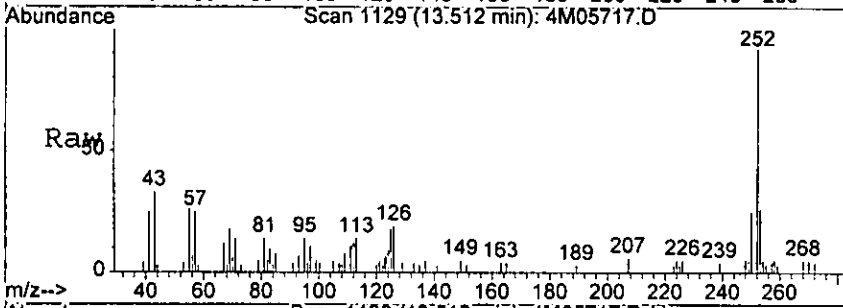
Low



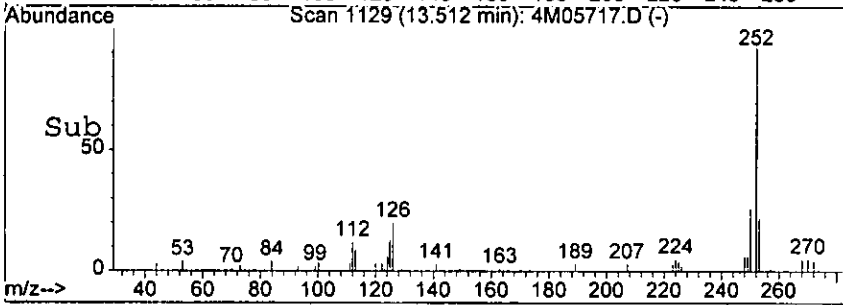
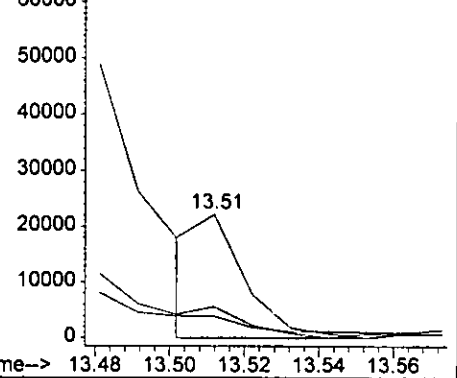
#84
 Benzo [k] fluoranthene
 Concen: 12.92 ng m
 RT: 13.51 min Scan# 1129
 Delta R.T. 0.01 min
 Lab File: 4M05717.D
 Acq: 18 Aug 2005 18:48

Tgt Ion: 252 Resp: 19979

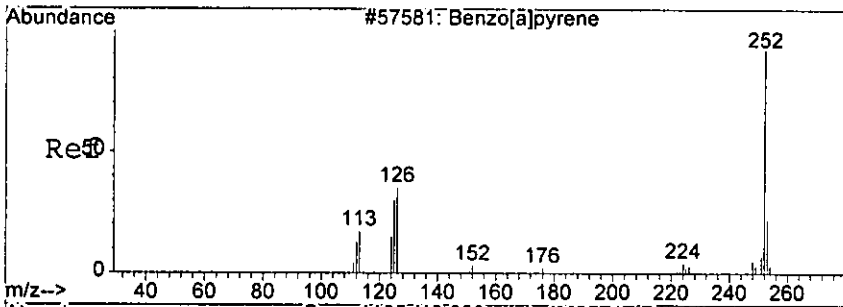
Ion	Ratio	Lower	Upper
252	100		
253	25.5	0.0	63.5
125	17.7	0.0	53.8



Abundance Ion 252.00 (251.70 to 252.70): 4M05717.D
 Ion 253.00 (252.70 to 253.70): 4M05717.D
 Ion 125.00 (124.70 to 125.70): 4M05717.D



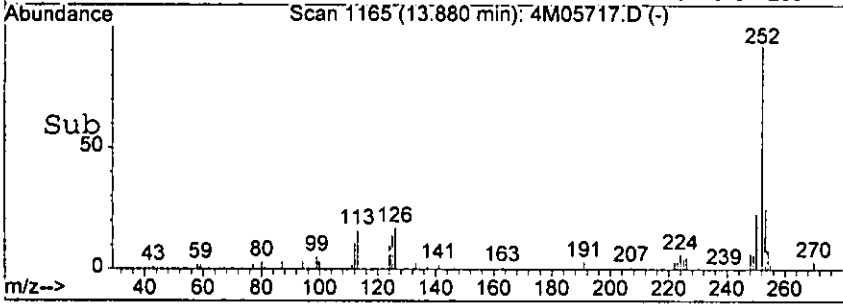
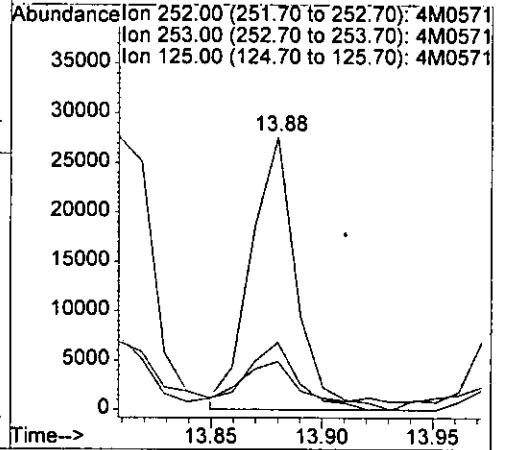
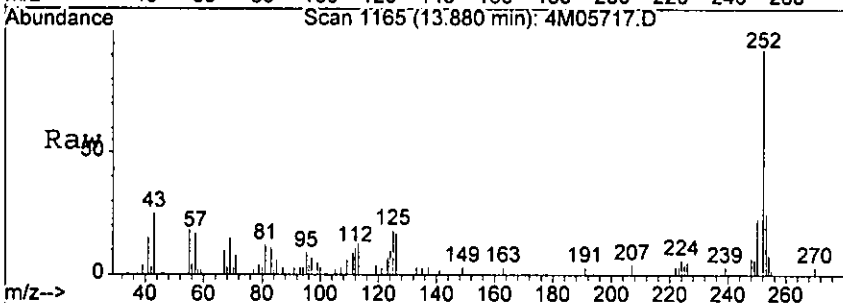
Not



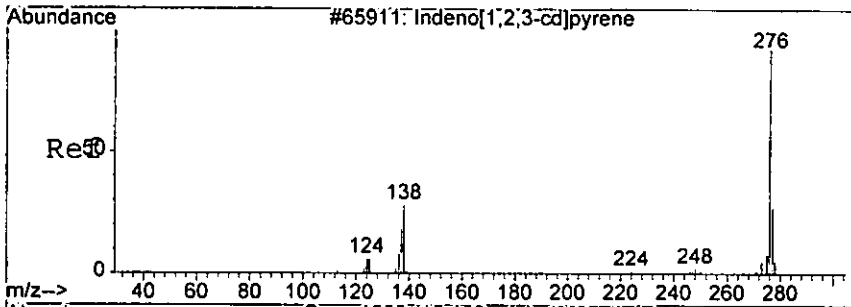
#85
 Benzo[a]pyrene
 Concen: 25.11 ng
 RT: 13.88 min Scan# 1165
 Delta R.T. 0.01 min
 Lab File: 4M05717.D
 Acq: 18 Aug 2005 18:48

0590

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	0.0	62.9
125	14.7	0.0	57.6

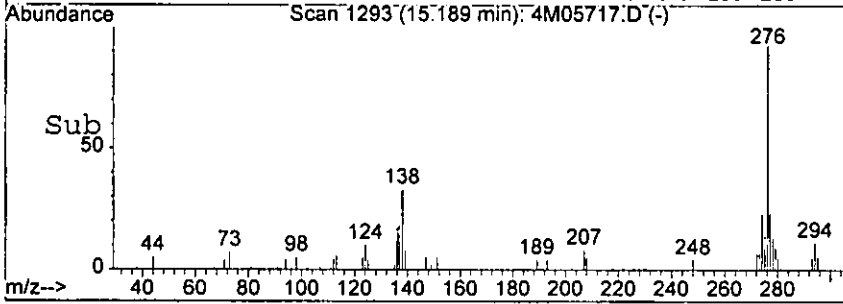
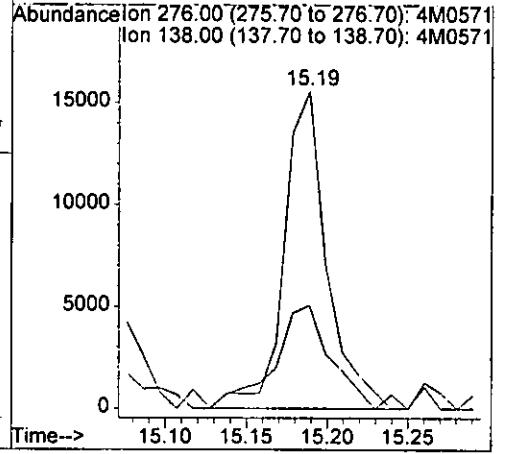
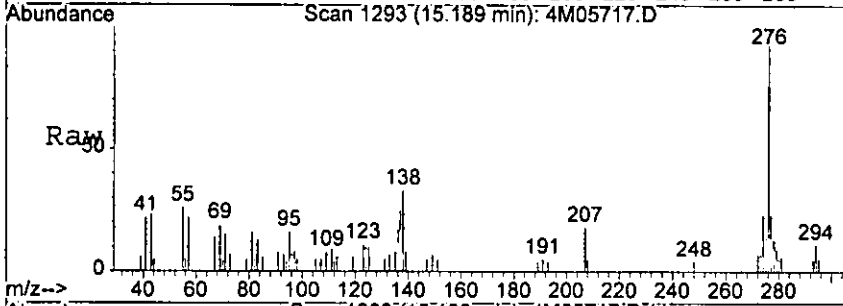


Handwritten signature

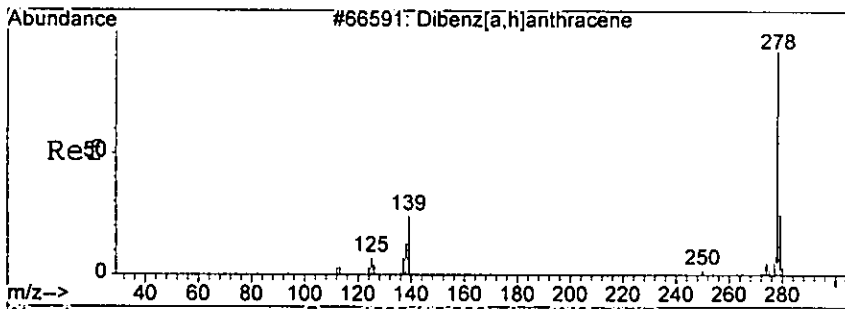


#86
 Indeno[1,2,3-cd]pyrene
 Concen: 15.25 ng
 RT: 15.19 min Scan# 1293
 Delta R.T. 0.01 min
 Lab File: 4M05717.D
 Acq: 18 Aug 2005 18:48

Tgt Ion: 276 Resp: 28659
 Ion Ratio Lower Upper
 276 100
 138 32.5 0.0 73.4

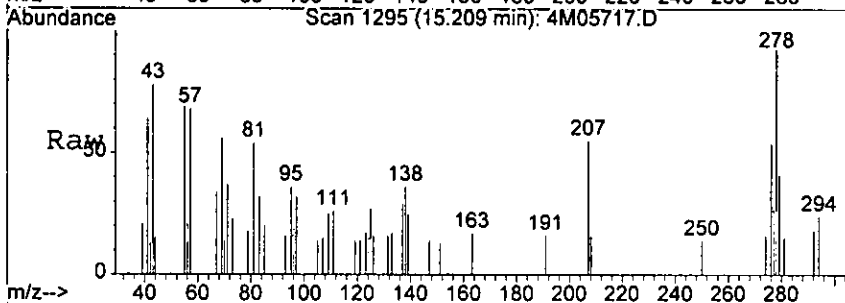


Her

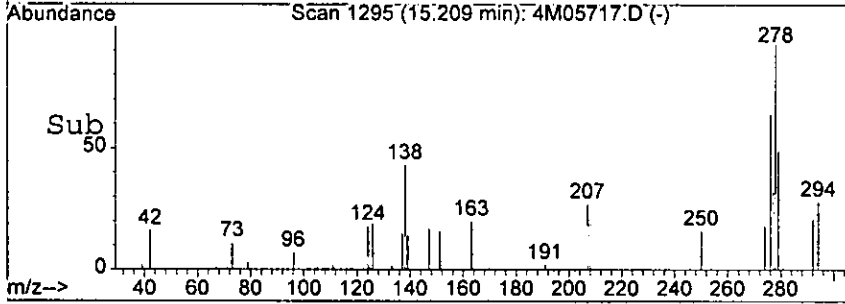
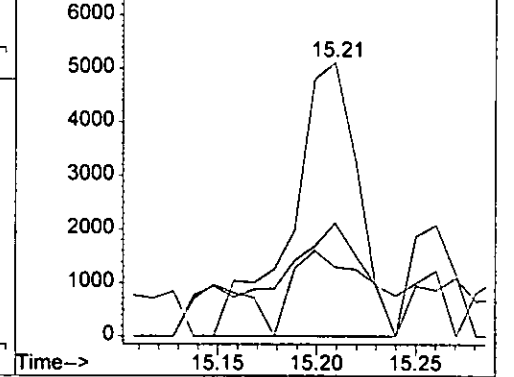


#87
 Dibenzo[a,h]anthracene
 Concen: 8.14 ng
 RT: 15.21 min Scan# 1295
 Delta R.T. 0.01 min
 Lab File: 4M05717.D
 Acq: 18 Aug 2005 18:48

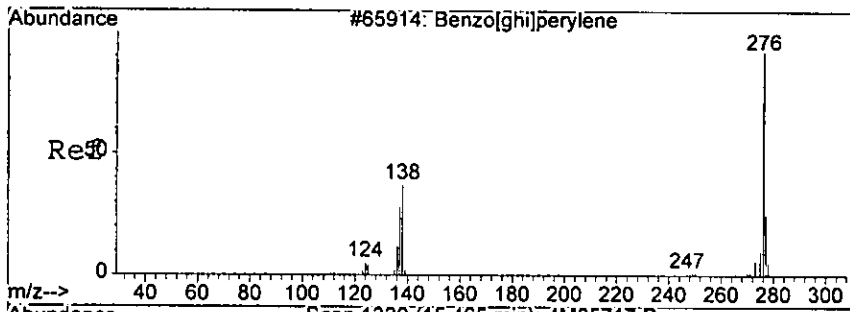
Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.3	0.0	63.8
279	26.5	0.0	64.0



Abundance Ion 278.00 (277.70 to 278.70): 4M05717.D
 Ion 139.00 (138.70 to 139.70): 4M05717.D
 Ion 279.00 (278.70 to 279.70): 4M05717.D

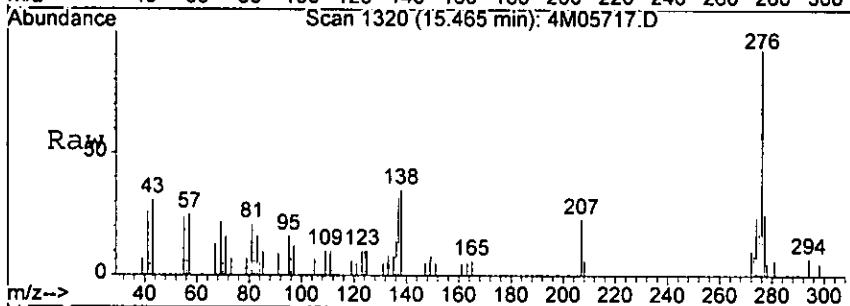


15.21



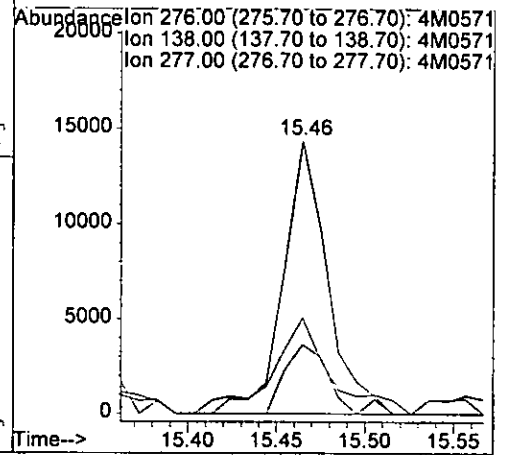
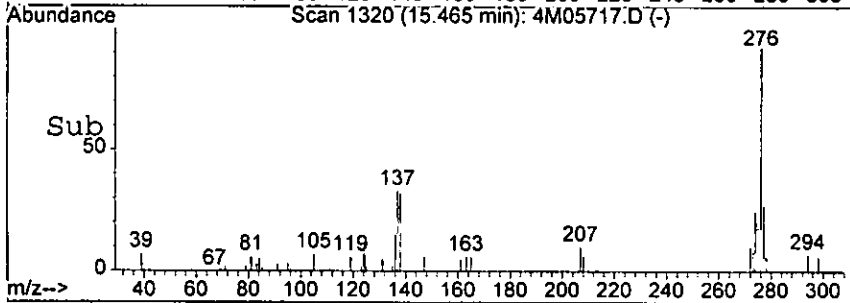
#88
 Benzo[g,h,i]perylene
 Concn: 16.13 ng
 RT: 15.46 min Scan# 1320
 Delta R.T. 0.01 min
 Lab File: 4M05717.D
 Acq: 18 Aug 2005 18:48

0593



Tgt Ion: 276 Resp: 24966

Ion	Ratio	Lower	Upper
276	100		
138	30.3	0.0	74.1
277	25.4	0.0	65.0



han

Form1
ORGANICS SEMIVOLATILE REPORT

0594
7594

Sample Number: AC19099-008
Client Id: PCSB - 58 (5)
Data File: 4M05718.D
Analysis Date: 08/18/05 19:11
Date Rec/Extracted: 08/16/05-08/17/05

Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 1
Solids: 77

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.012	U	205-99-2	Benzo[b]fluoranthene	0.013	1.5
95-50-1	1,2-Dichlorobenzene	0.020	U	191-24-2	Benzo[g,h,i]perylene	0.0082	0.56
122-66-7	1,2-Diphenylhydrazine	0.013	U	207-08-9	Benzo[k]fluoranthene	0.014	0.43
541-73-1	1,3-Dichlorobenzene	0.018	U	111-91-1	bis(2-Chloroethoxy)methan	0.0099	U
106-46-7	1,4-Dichlorobenzene	0.022	U	111-44-4	bis(2-Chloroethyl)ether	0.023	U
95-95-4	2,4,5-Trichlorophenol	0.58	U	108-60-1	bis(2-chloroisopropyl)ether	0.014	U
88-06-2	2,4,6-Trichlorophenol	1.0	U	117-81-7	bis(2-Ethylhexyl)phthalat	0.039	1.3
120-83-2	2,4-Dichlorophenol	0.070	U	85-68-7	Butylbenzylphthalate	0.017	1.6
105-67-9	2,4-Dimethylphenol	0.060	U	86-74-8	Carbazole	0.013	0.11
51-28-5	2,4-Dinitrophenol	0.29	U	218-01-9	Chrysene	0.0090	1.3
121-14-2	2,4-Dinitrotoluene	0.016	U	84-74-2	Di-n-butylphthalate	0.0097	0.045 B
606-20-2	2,6-Dinitrotoluene	0.018	U	117-84-0	Di-n-octylphthalate	0.010	U
91-58-7	2-Chloronaphthalene	0.012	U	53-70-3	Dibenzo[a,h]anthracene	0.015	0.28
95-57-8	2-Chlorophenol	0.088	U	132-64-9	Dibenzofuran	0.055	0.21
91-57-6	2-Methylnaphthalene	0.056	0.58	84-66-2	Diethylphthalate	0.012	U
95-48-7	2-Methylphenol	0.21	U	131-11-3	Dimethylphthalate	0.0098	U
88-74-4	2-Nitroaniline	0.030	U	206-44-0	Fluoranthene	0.012	2.0
88-75-5	2-Nitrophenol	0.050	U	86-73-7	Fluorene	0.011	0.22
106-44-5	3&4-Methylphenol	0.23	U	118-74-1	Hexachlorobenzene	0.020	U
91-94-1	3,3'-Dichlorobenzidine	0.095	U	87-68-3	Hexachlorobutadiene	0.018	U
99-09-2	3-Nitroaniline	0.18	U	77-47-4	Hexachlorocyclopentadiene	0.12	U
534-52-1	4,6-Dinitro-2-methylphenol	0.082	U	67-72-1	Hexachloroethane	0.032	U
101-55-3	4-Bromophenyl-phenylether	0.017	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.0060	0.52
59-50-7	4-Chloro-3-methylphenol	0.11	U	78-59-1	Isophorone	0.013	U
106-47-8	4-Chloroaniline	0.33	U	621-64-7	N-Nitroso-di-n-propylamine	0.021	U
7005-72-3	4-Chlorophenyl-phenylether	0.020	U	62-75-9	N-Nitrosodimethylamine	0.51	U
100-01-6	4-Nitroaniline	0.11	U	86-30-6	n-Nitrosodiphenylamine	0.021	U
100-02-7	4-Nitrophenol	0.077	U	91-20-3	Naphthalene	0.010	0.49
83-32-9	Acenaphthene	0.018	0.13	98-95-3	Nitrobenzene	0.017	U
208-96-8	Acenaphthylene	0.010	0.062	87-86-5	Pentachlorophenol	0.053	U
120-12-7	Anthracene	0.011	0.46	85-01-8	Phenanthrene	0.010	1.9
92-87-5	Benzidine	0.098	U	108-95-2	Phenol	0.066	U
56-55-3	Benzo[a]anthracene	0.0076	1.2	129-00-0	Pyrene	0.010	2.4
50-32-8	Benzo[a]pyrene	0.010	0.94				

Worksheet #: 18797

Total Target Concentration 18.237

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

20
15

Data File : G:\GcMsData\2005\Gcms_4\Data\08-18-05\4M05718.D Vial: 20
 Acq On : 18 Aug 2005 19:11 Operator: AHD
 Sample : AC19099-008 Inst : GCMS_4
 Misc : S,BNA Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Aug 29 16:20 2005

Quant Results File: 4M_0818.RES

Quant Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration
 DataAcq Meth : 4M_0818

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.78	152	68944	40.00	ng	0.00
19) Naphthalene-d8	5.77	136	224232	40.00	ng	0.00
35) Acenaphthene-d10	7.33	164	127209	40.00	ng	0.00
59) Phenanthrene-d10	8.92	188	217488	40.00	ng	0.00
72) Chrysene-d12	12.10	240	125968	40.00	ng	0.00
81) Perylene-d12	13.95	264	68938	40.00	ng	0.02

System Monitoring Compounds

4) 2-Fluorophenol	3.63	112	293612	153.98	ng	0.00
Spiked Amount	200.000		Recovery	=	76.99%	
7) Phenol-d5	4.50	99	363728	151.02	ng	0.00
Spiked Amount	200.000		Recovery	=	75.51%	
20) Nitrobenzene-d5	5.23	128	81301	78.43	ng	0.00
Spiked Amount	100.000		Recovery	=	78.43%	
40) 2-Fluorobiphenyl	6.69	172	312205	77.69	ng	0.00
Spiked Amount	100.000		Recovery	=	77.69%	
62) 2,4,6-Tribromophenol	8.15	332	153679	174.53	ng	0.00
Spiked Amount	200.000		Recovery	=	87.27%	
75) Terphenyl-d14	10.82	244	343202	116.01	ng	0.00
Spiked Amount	100.000		Recovery	=	116.01%	

Target Compounds

						Qvalue
29) Naphthalene	5.79	128	60510	11.39	ng	97
33) 2-Methylnaphthalene	6.37	142	48192	13.40	ng	98
46) Acenaphthylene	7.18	152	8119	1.44	ng	82
49) Acenaphthene	7.36	153	10858	3.08	ng	94
52) Dibenzofuran	7.53	168	24391	4.85	ng	88
55) Fluorene	7.89	166	19060	5.01	ng	88
67) Phenanthrene	8.95	178	248659	43.93	ng	99
68) Anthracene	9.00	178	60578	10.64	ng	97
69) Carbazole	9.21	167	14145	2.57	ng	88
70) Di-n-butylphthalate	9.65	149	7875	1.03	ng	83
71) Fluoranthene	10.33	202	276526	45.05	ng	96
73) Pyrene	10.60	202	237582	55.04	ng	91
76) Butylbenzylphthalate	11.46	149	85261	37.11	ng	77
78) Benzo[a]anthracene	12.09	228	113840	28.85	ng	96
79) Chrysene	12.14	228	111397	29.68	ng	96
80) bis(2-Ethylhexyl)phthalate	12.22	149	100747	31.08	ng	95
83) Benzo[b]fluoranthene	13.48	252	86689m	34.23	ng	
84) Benzo[k]fluoranthene	13.51	252	22639m	10.04	ng	
85) Benzo[a]pyrene	13.88	252	49543	21.69	ng	94

(#) = qualifier out of range (m) = manual integration

4M05718.D 4M_0818.M

Mon Aug 29 16:47:06 2005

RPT1

Page 1

h2ar

2005

Data File : G:\GcMsData\2005\Gcms_4\Data\08-18-05\4M05718.D Vial: 20
 Acq On : 18 Aug 2005 19:11 Operator: AHD
 Sample : AC19099-008 Inst : GCMS_4
 Misc : S,BNA Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:20 2005 Quant Results File: 4M_0818.RES

Quant Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration
 DataAcq Meth : 4M_0818

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
86) Indeno[1,2,3-cd]pyrene	15.19	276	32899	12.00	ng	87
87) Dibenzo[a,h]anthracene	15.21	278	14081	6.58	ng	84
88) Benzo[g,h,i]perylene	15.47	276	29012	12.85	ng	98

 (#) = qualifier out of range (m) = manual integration

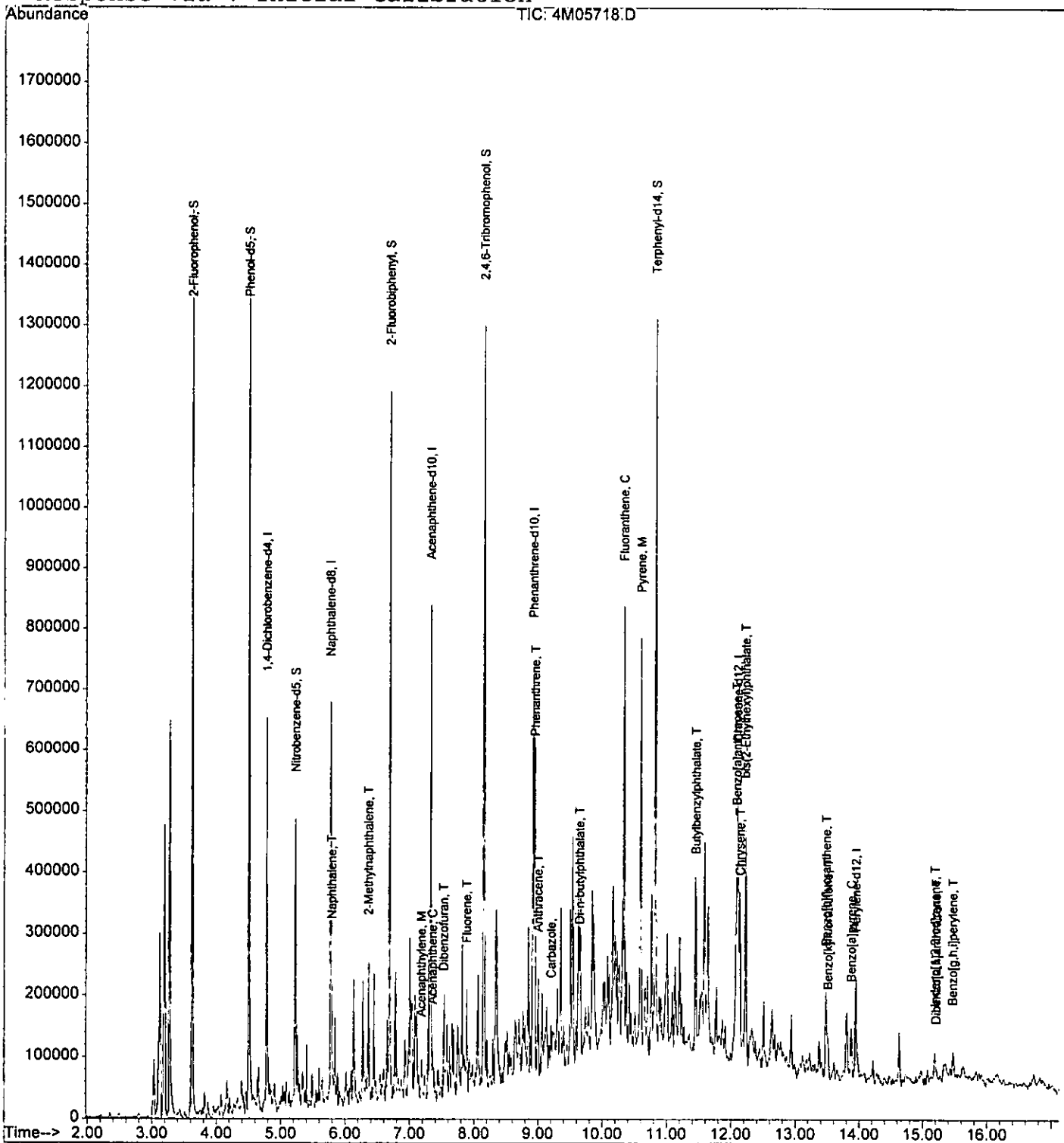
Quantitation Report

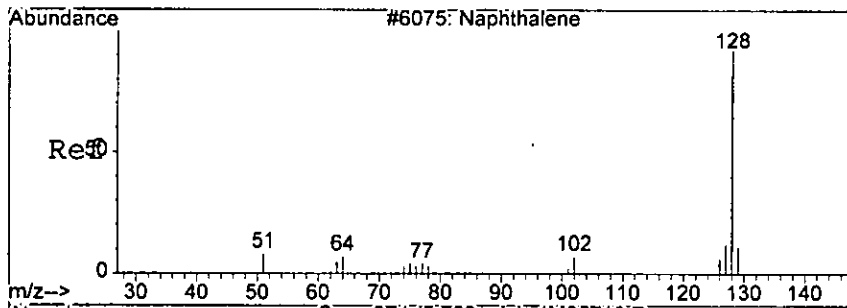
Data File : G:\GcMsData\2005\Gcms_4\Data\08-18-05\4M05718.D Vial: 2
 Acq On : 18 Aug 2005 19:11 Operator: AHD
 Sample : AC19099-008 Inst : GCMS_4
 Misc : S,BNA Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:20 2005

0597
4850

Quant Results File: 4M_0818.RES

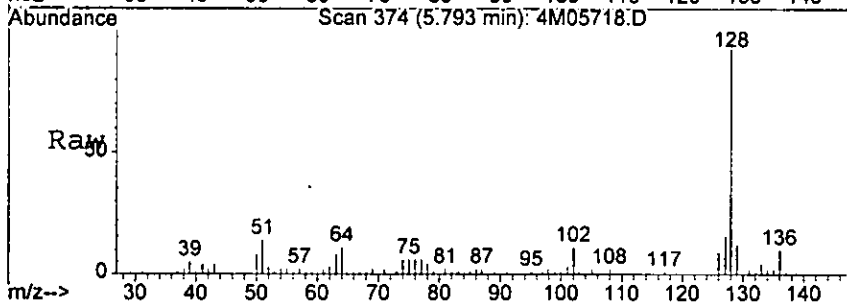
Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration





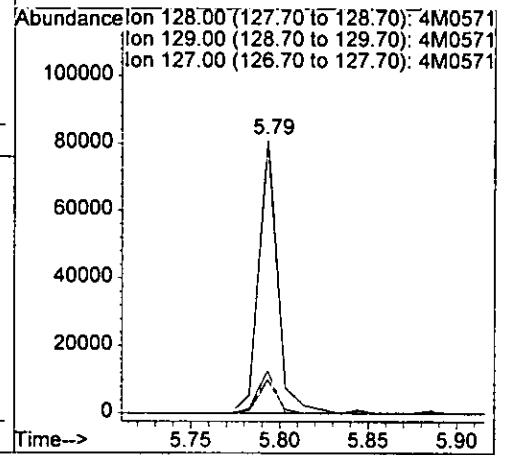
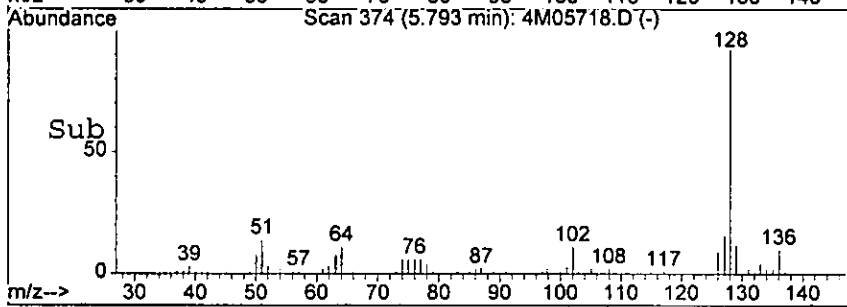
#29
 Naphthalene
 Concen: 11.39 ng
 RT: 5.79 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: 4M05718.D
 Acq: 18 Aug 2005 19:11

0598

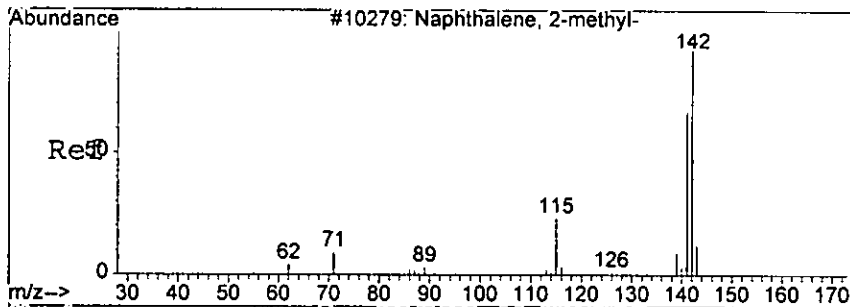


Tgt Ion: 128 Resp: 60510

Ion	Ratio	Lower	Upper
128	100		
129	12.4	0.0	51.8
127	15.6	0.0	57.0



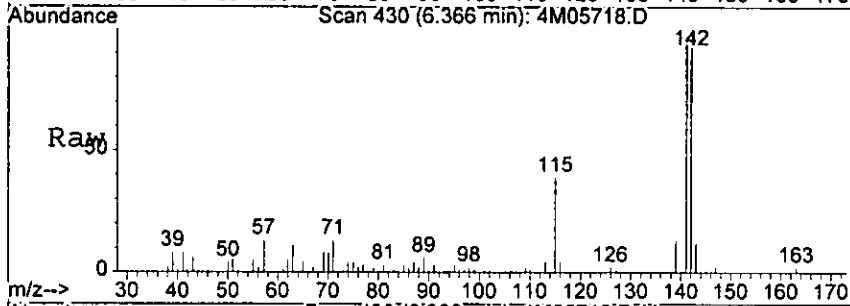
h29



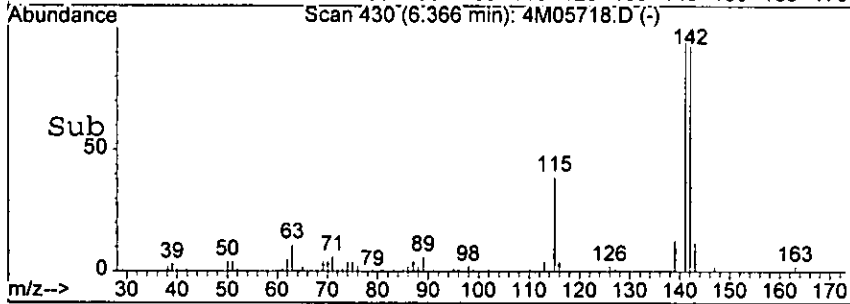
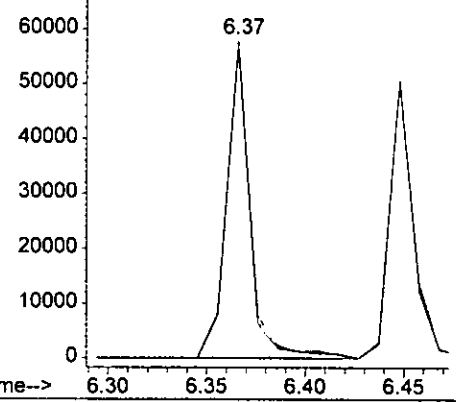
#33
 2-Methylnaphthalene
 Concen: 13.40 ng
 RT: 6.37 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: 4M05718.D
 Acq: 18 Aug 2005 19:11

0599
 659

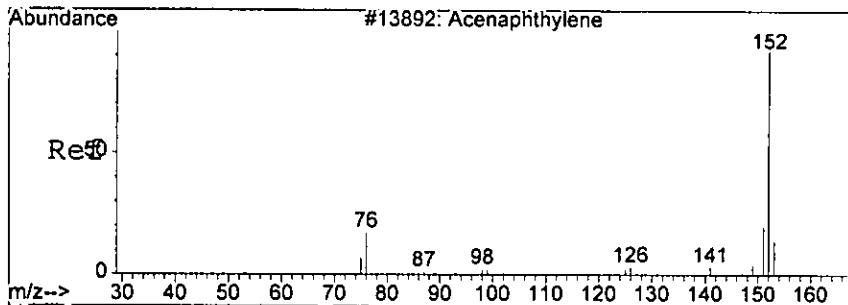
Tgt Ion:142 Resp: 48192
 Ion Ratio Lower Upper
 142 100
 141 97.4 55.7 135.7



Abundance Ion 142.00 (141.70 to 142.70): 4M05718.D
 Ion 141.00 (140.70 to 141.70): 4M05718.D



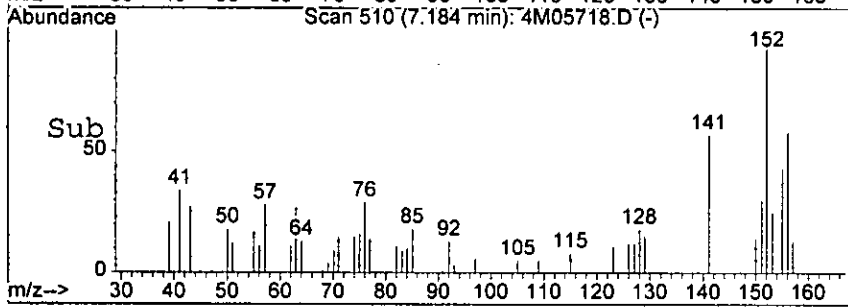
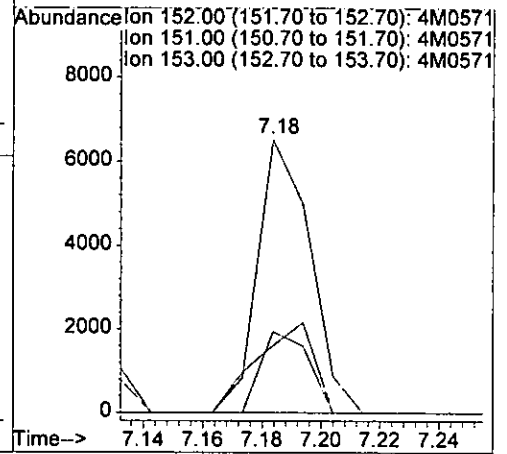
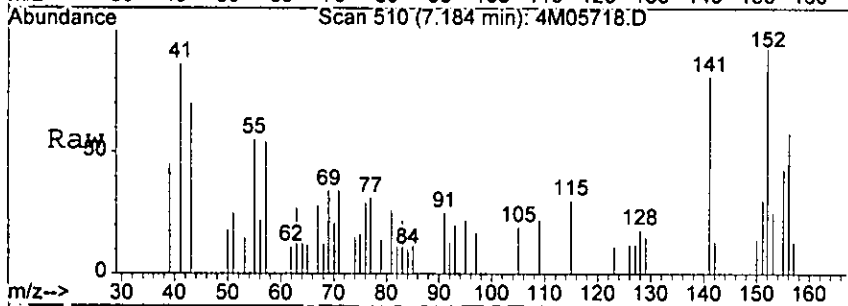
hour



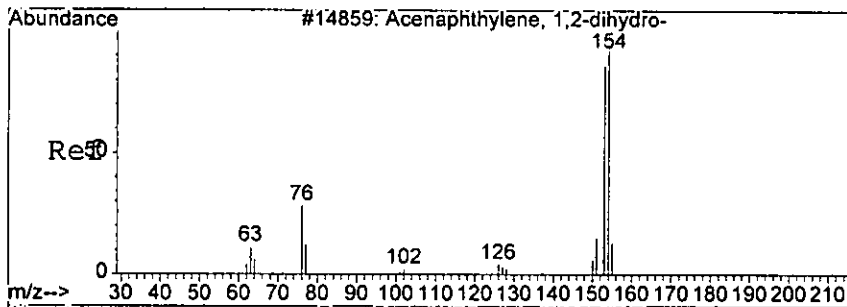
#46
 Acenaphthylene
 Concen: 1.44 ng
 RT: 7.18 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: 4M05718.D
 Acq: 18 Aug 2005 19:11

0050

Tgt Ion	Resp	Lower	Upper
152	8119		
151	29.8	0.0	63.6
153	24.6	0.0	53.8



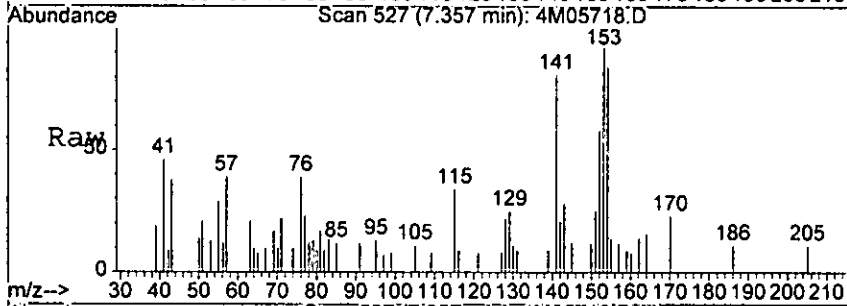
heart



#49
 Acenaphthene
 Concen: 3.08 ng
 RT: 7.36 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: 4M05718.D
 Acq: 18 Aug 2005 19:11

1000

Tgt Ion	Resp	Lower	Upper
153	10858		
153	100		
152	57.7	8.3	88.3
154	84.0	45.1	125.1

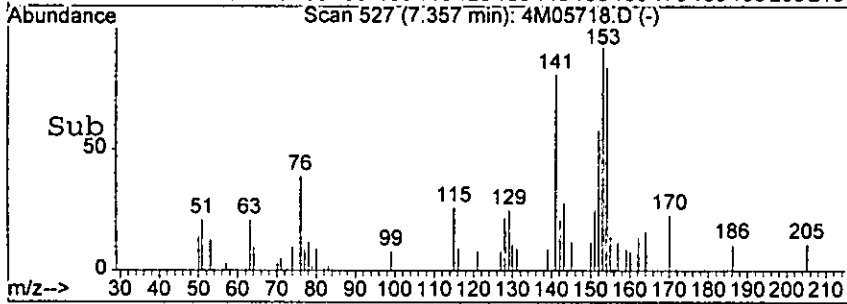
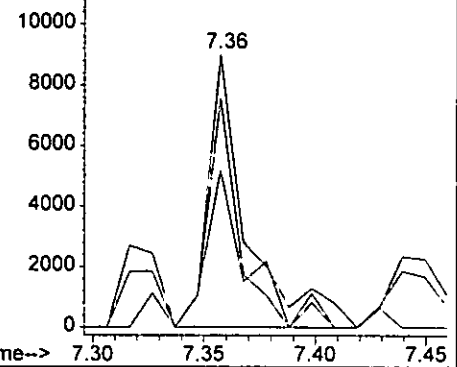


Abundance

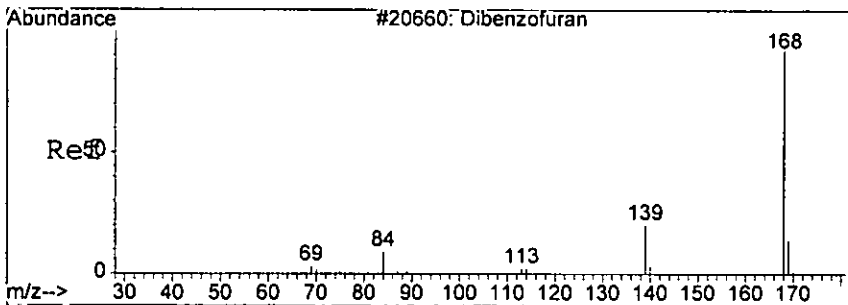
Ion 153.00 (152.70 to 153.70): 4M0571

Ion 152.00 (151.70 to 152.70): 4M0571

Ion 154.00 (153.70 to 154.70): 4M0571



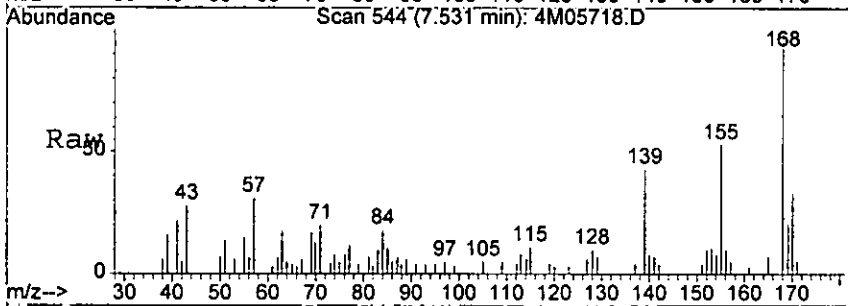
hand



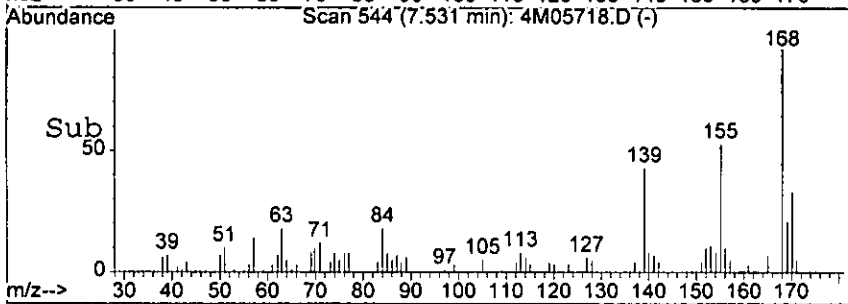
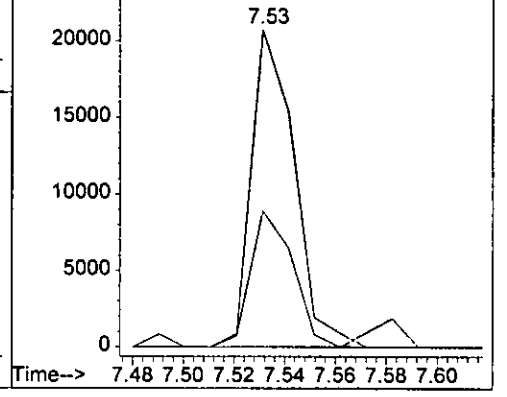
#52
 Dibenzofuran
 Concen: 4.85 ng
 RT: 7.53 min Scan# 544
 Delta R.T. -0.00 min
 Lab File: 4M05718.D
 Acq: 18 Aug 2005 19:11

0502

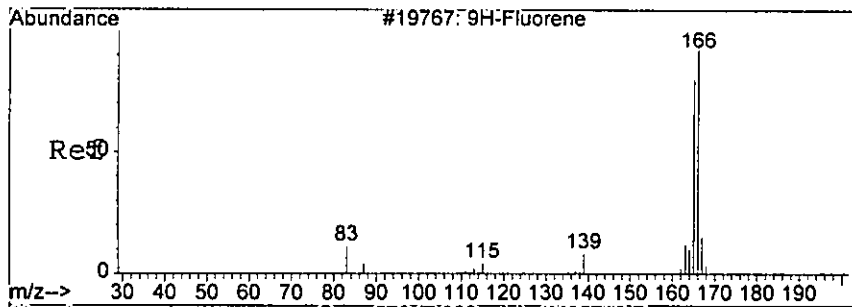
Tgt Ion: 168 Resp: 24391
 Ion Ratio Lower Upper
 168 100
 139 42.9 6.0 66.0



Abundance Ion 168.00 (167.70 to 168.70): 4M05718.D
 Ion 139.00 (138.70 to 139.70): 4M05718.D

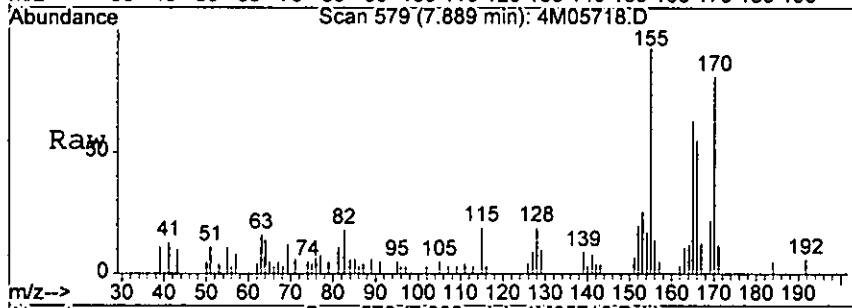


Handwritten signature



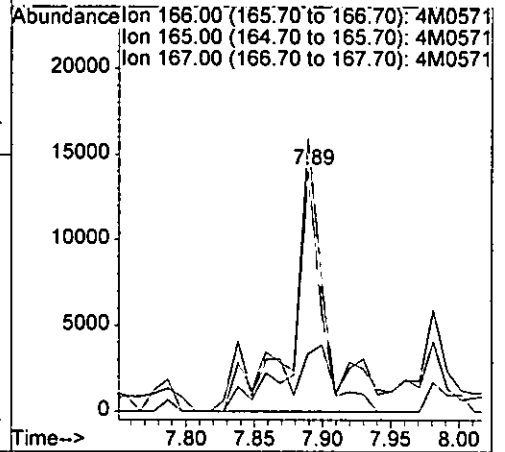
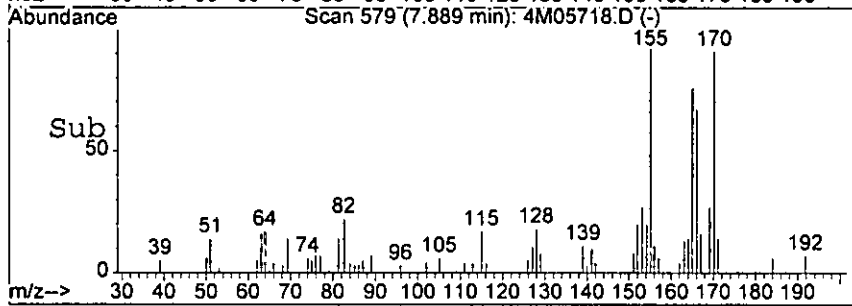
#55
 Fluorene
 Concen: 5.01 ng
 RT: 7.89 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: 4M05718.D
 Acq: 18 Aug 2005 19:11

0593

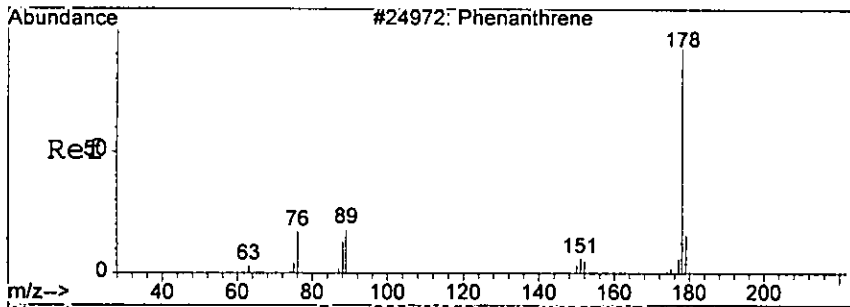


Tgt Ion: 166 Resp: 19060

Ion	Ratio	Lower	Upper
166	100		
165	113.4	63.3	143.3
167	24.0	0.0	54.6



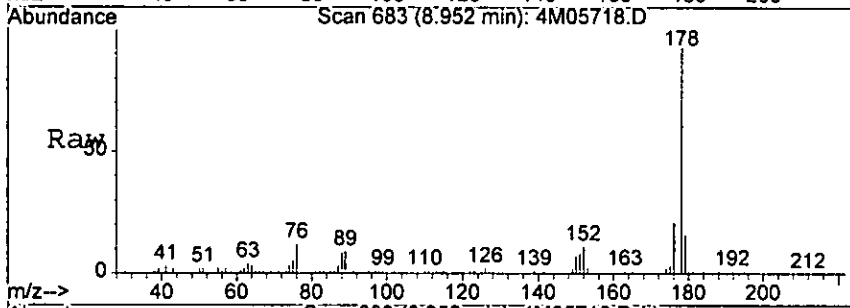
Handwritten signature



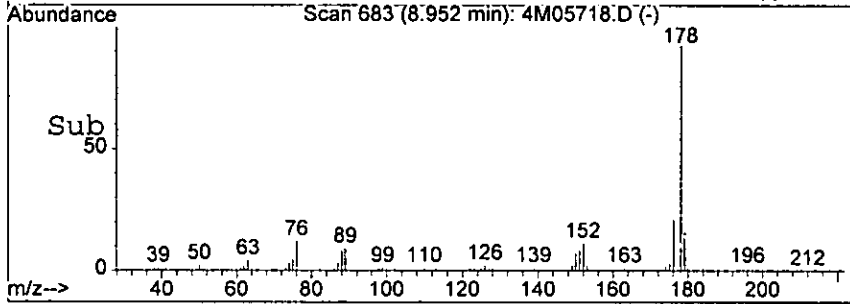
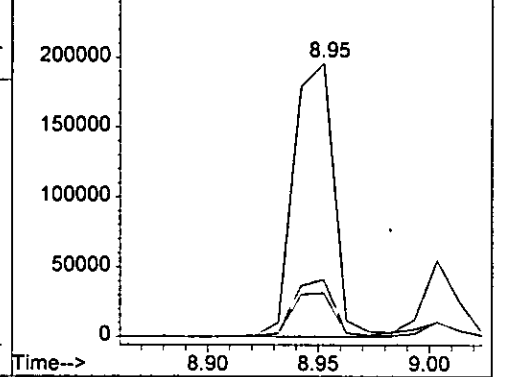
#67
 Phenanthrene
 Concen: 43.93 ng
 RT: 8.95 min Scan# 683
 Delta R.T. 0.01 min
 Lab File: 4M05718.D
 Acq: 18 Aug 2005 19:11

7890

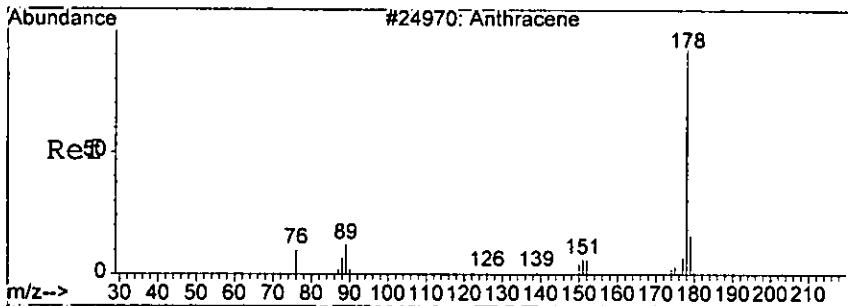
Tgt Ion	178	179	176	Resp	248659	Lower	Upper
Ion Ratio	100	16.0	21.0			0.0	56.6
						0.0	60.5



Abundance Ion 178.00 (177.70 to 178.70): 4M0571
 Ion 179.00 (178.70 to 179.70): 4M0571
 Ion 176.00 (175.70 to 176.70): 4M0571



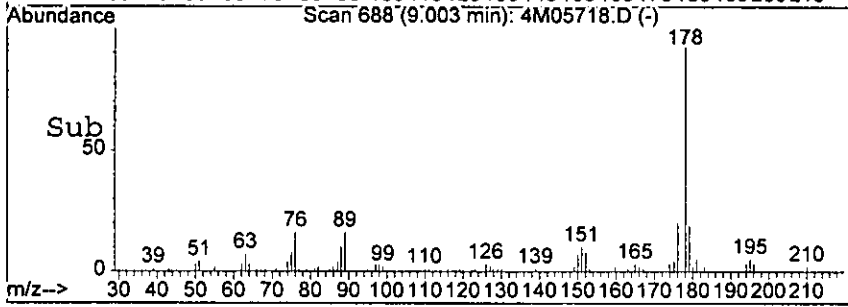
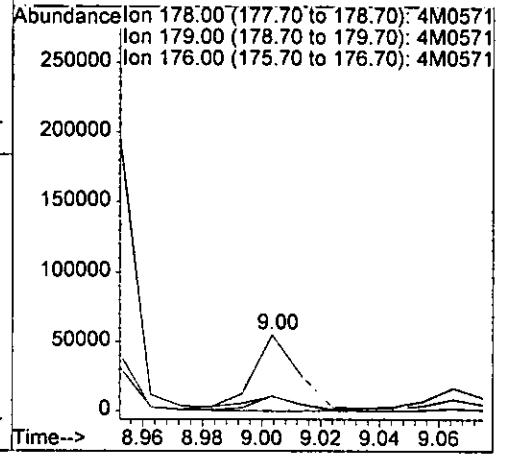
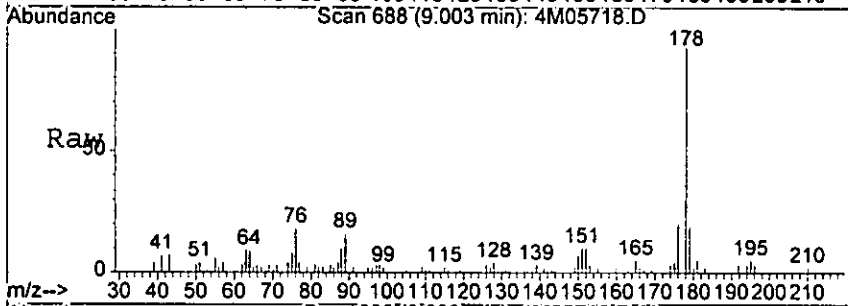
Handwritten signature



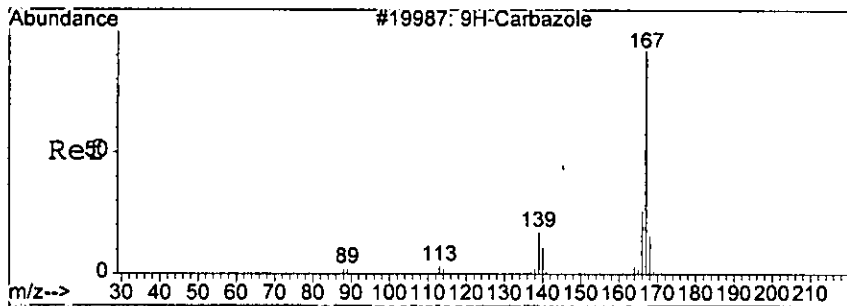
#68
 Anthracene
 Concen: 10.64 ng
 RT: 9.00 min Scan# 688
 Delta R.T. -0.00 min
 Lab File: 4M05718.D
 Acq: 18 Aug 2005 19:11

0505

Tgt Ion: 178	Resp: 60578
Ion Ratio	Lower Upper
178	100
179	13.9 0.0 56.6
176	20.5 0.0 60.2



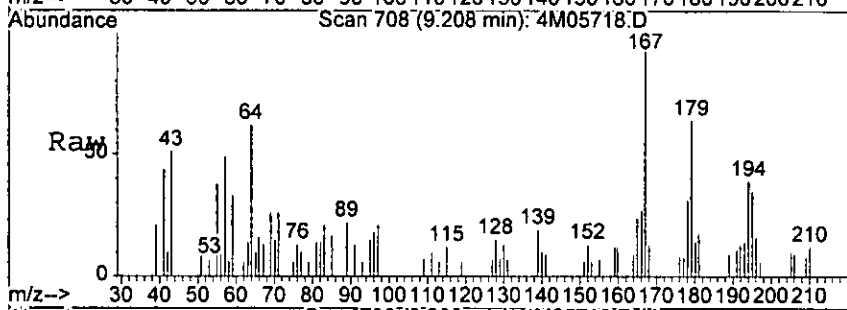
hour



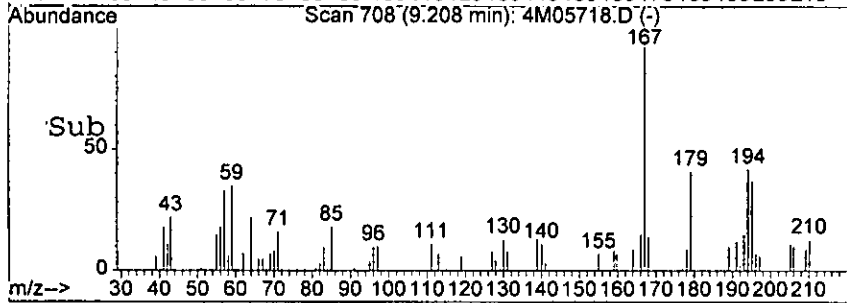
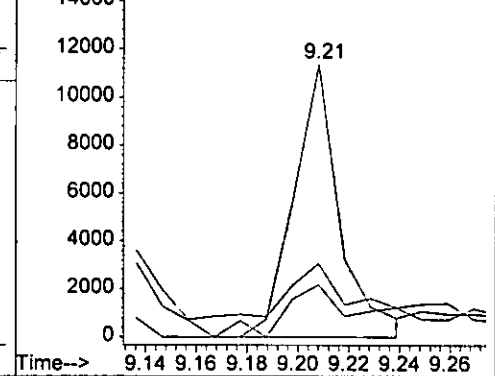
#69
 Carbazole
 Concen: 2.57 ng
 RT: 9.21 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: 4M05718.D
 Acq: 18 Aug 2005 19:11

9850

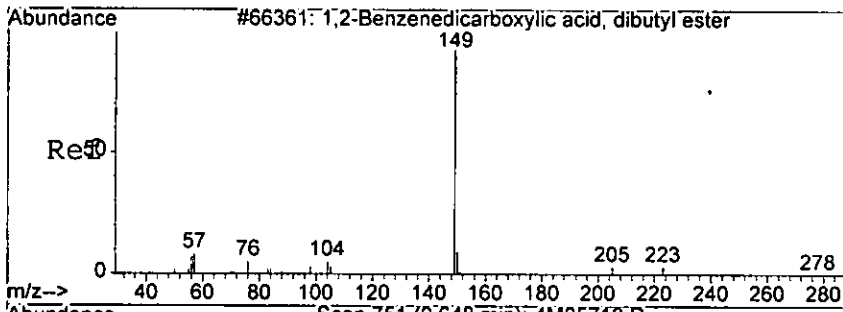
Tgt Ion	Resp	Lower	Upper
167	14145	100	
166	19.4	4.9	44.9
139	19.1	0.0	33.9



Abundance Ion 167.10 (166.80 to 167.80): 4M0571
 Ion 166.20 (165.90 to 166.90): 4M0571
 Ion 139.05 (138.75 to 139.75): 4M0571

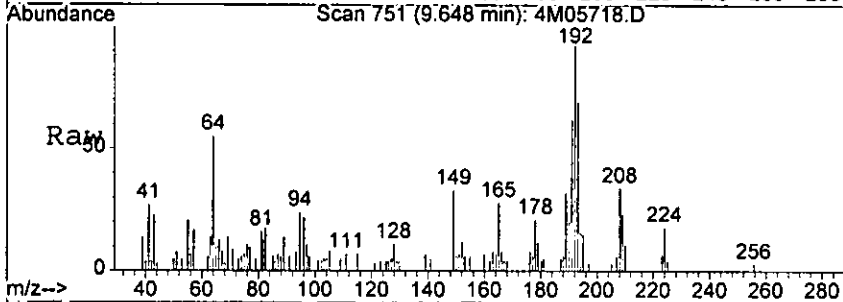


Handwritten signature

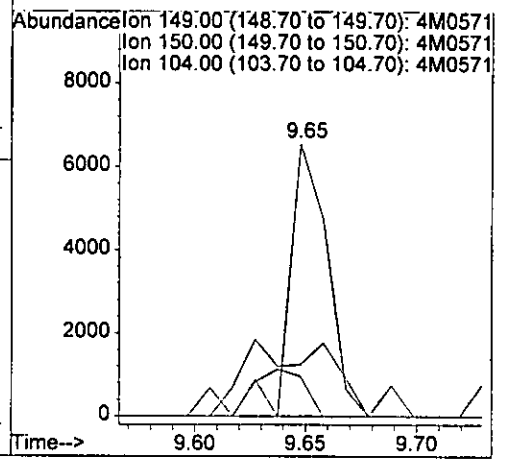
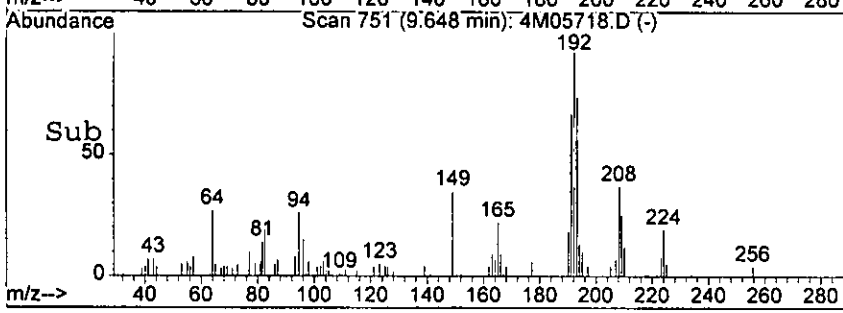


#70
 Di-n-butylphthalate
 Concn: 1.03 ng
 RT: 9.65 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: 4M05718.D
 Acq: 18 Aug 2005 19:11

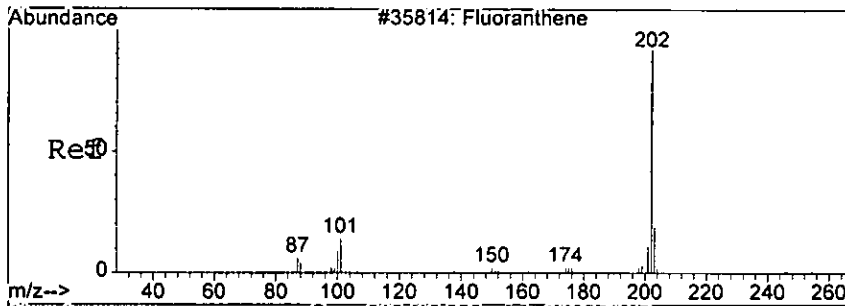
0507



Tgt Ion	Ratio	Lower	Upper
149	100		
150	18.8	0.0	49.8
104	4.2	0.0	44.6



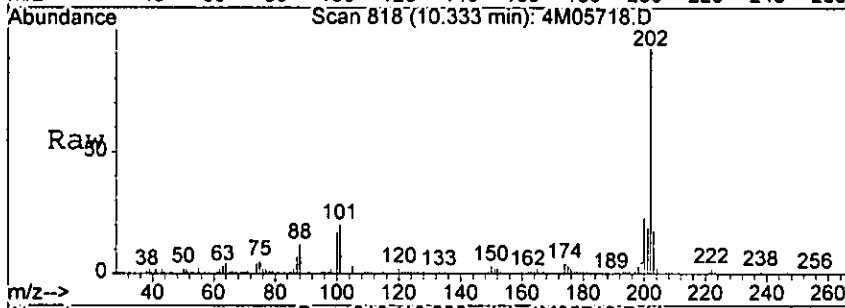
Handwritten signature



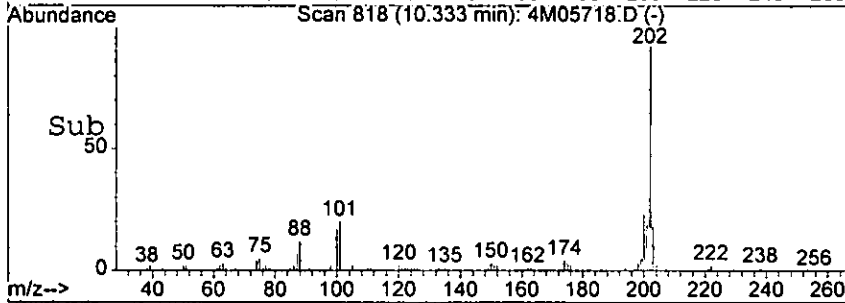
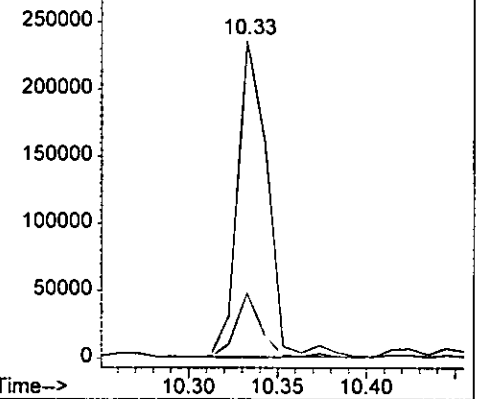
#71
 Fluoranthene
 Concen: 45.05 ng
 RT: 10.33 min Scan# 818
 Delta R.T. 0.01 min
 Lab File: 4M05718.D
 Acq: 18 Aug 2005 19:11

8588

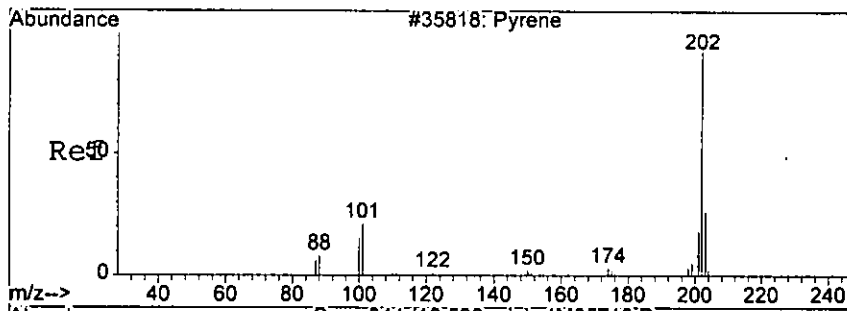
Tgt Ion: 202 Resp: 276526
 Ion Ratio Lower Upper
 202 100
 101 20.2 0.0 58.3



Abundance Ion 202.00 (201.70 to 202.70): 4M0571
 Ion 101.00 (100.70 to 101.70): 4M0571



Handwritten signature

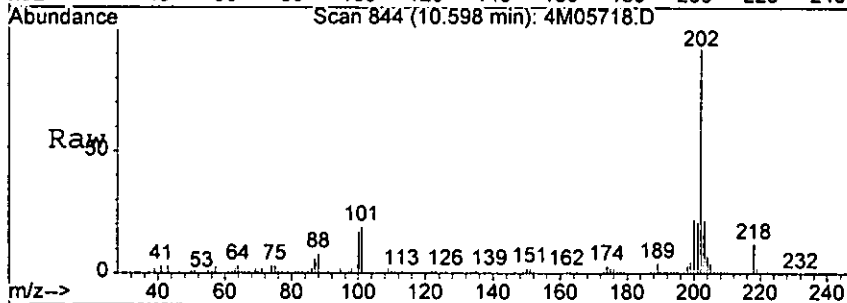


#73
 Pyrene
 Concen: 55.04 ng
 RT: 10.60 min Scan# 844
 Delta R.T. 0.01 min
 Lab File: 4M05718.D
 Acq: 18 Aug 2005 19:11

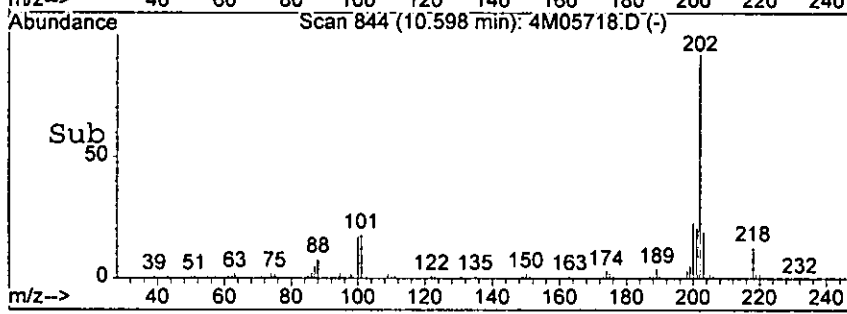
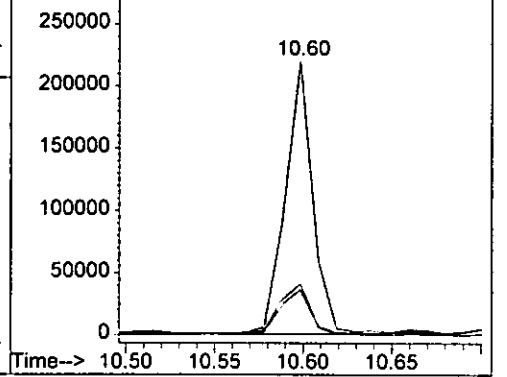
0509

Tgt Ion: 202 Resp: 237582

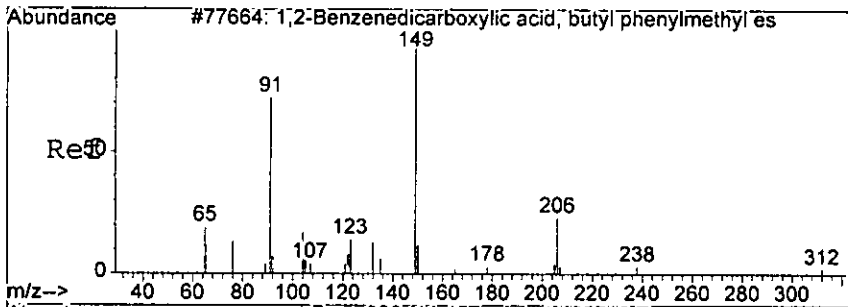
Ion	Ratio	Lower	Upper
202	100		
101	18.2	0.0	62.7
100	16.7	0.0	60.5



Abundance Ion 202.00 (201.70 to 202.70): 4M05718.D
 300000 Ion 101.00 (100.70 to 101.70): 4M05718.D
 Ion 100.00 (99.70 to 100.70): 4M05718.D

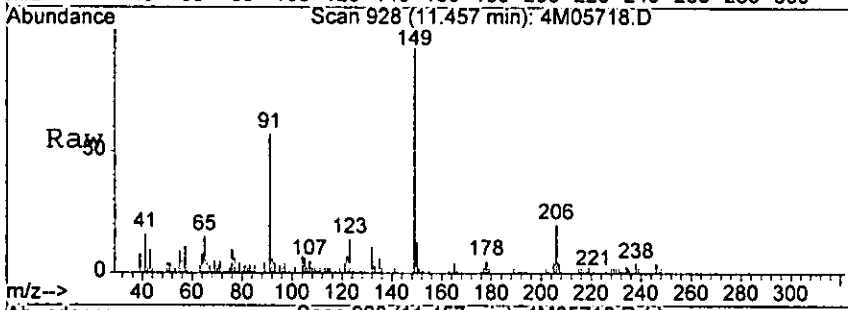


Handwritten signature

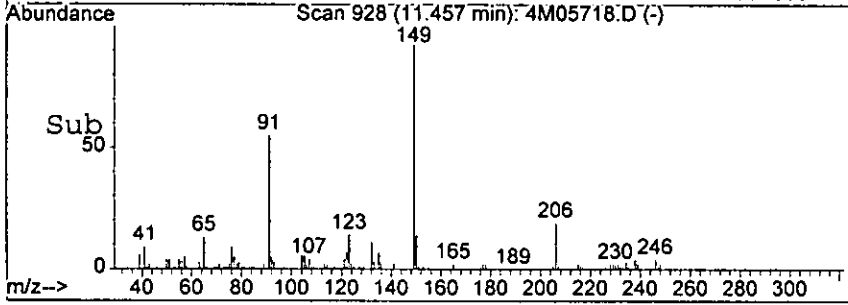
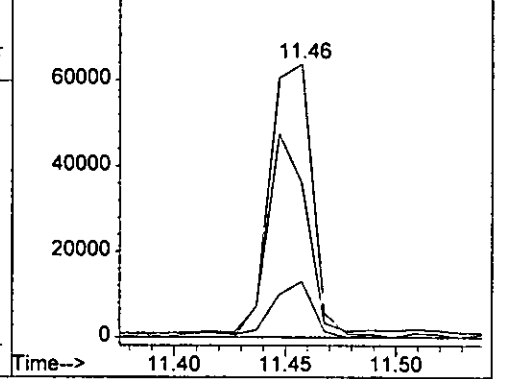


#76
 Butylbenzylphthalate
 Concen: 37.11 ng
 RT: 11.46 min Scan# 928
 Delta R.T. 0.01 min
 Lab File: 4M05718.D
 Acq: 18 Aug 2005 19:11

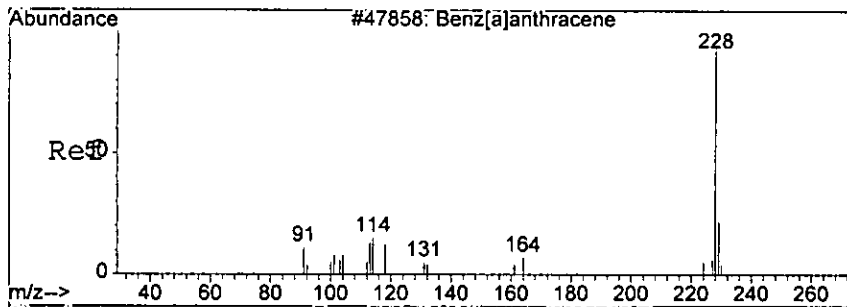
Tgt Ion	Ratio	Lower	Upper
149	100		
91	54.3	35.6	115.6
206	20.5	0.0	54.4



Abundance Ion 149.00 (148.70 to 149.70): 4M05718.D
 Ion 91.00 (90.70 to 91.70): 4M05718.D
 Ion 206.00 (205.70 to 206.70): 4M05718.D

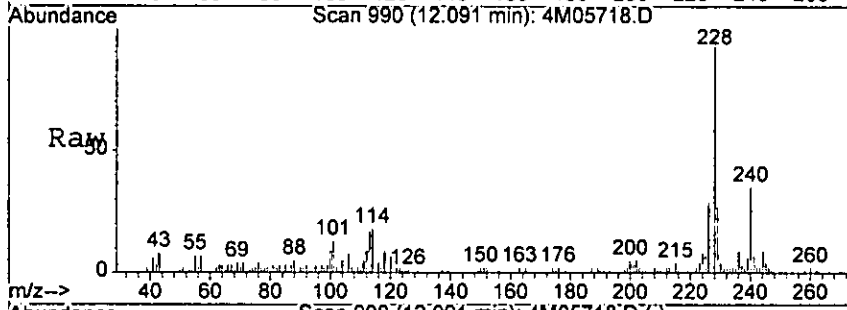


henar



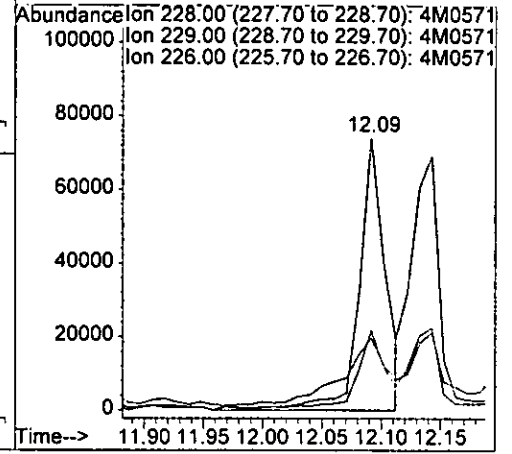
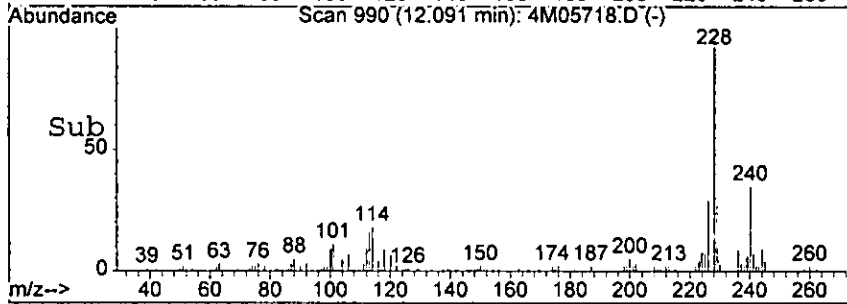
#78
 Benzo[a]anthracene
 Concen: 28.85 ng
 RT: 12.09 min Scan# 990
 Delta R.T. 0.01 min
 Lab File: 4M05718.D
 Acq: 18 Aug 2005 19:11

011

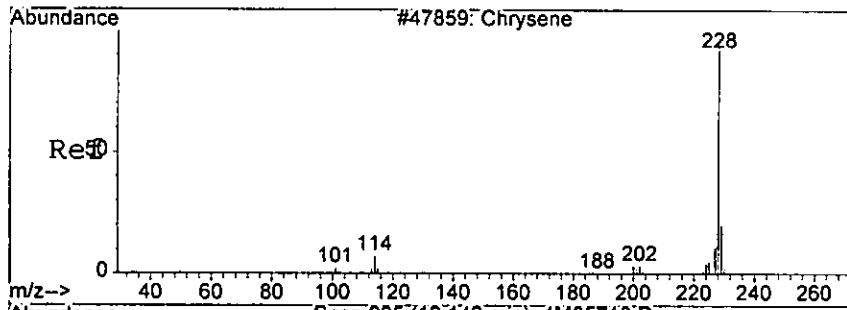


Tgt Ion: 228 Resp: 113840

Ion	Ratio	Lower	Upper
228	100		
229	24.6	0.0	60.5
226	29.3	0.0	69.0



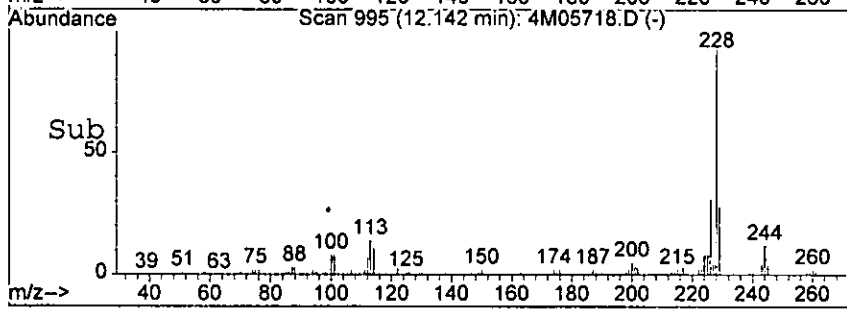
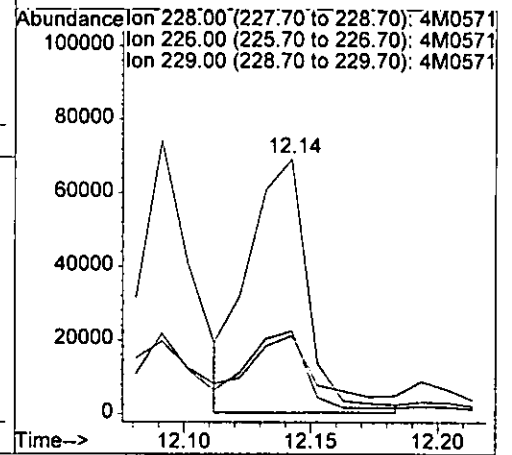
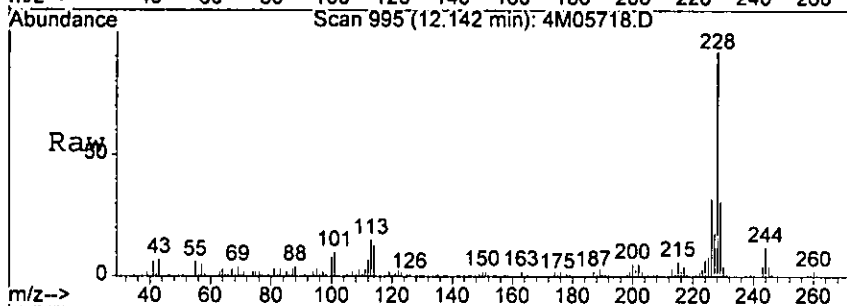
hear



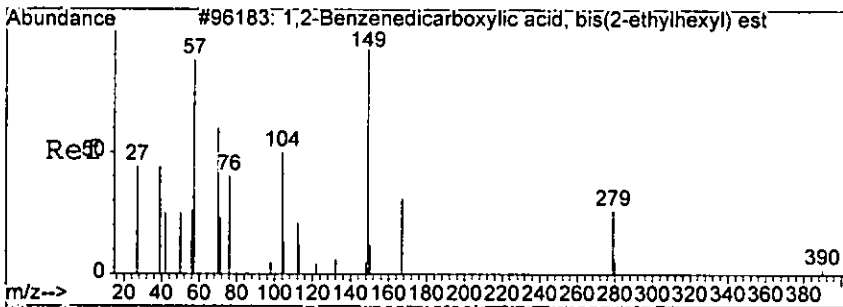
#79
 Chrysene
 Concen: 29.68 ng
 RT: 12.14 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: 4M05718.D
 Acq: 18 Aug 2005 19:11

BE12

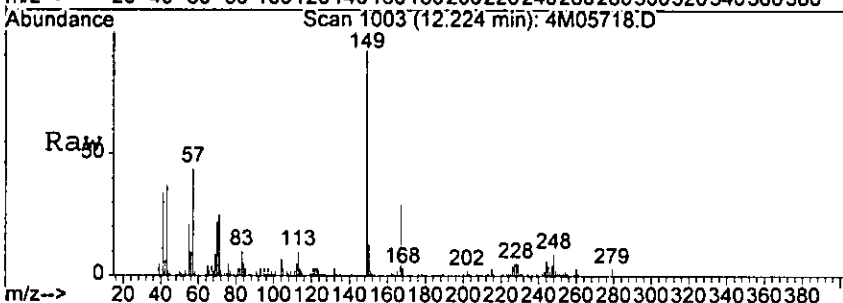
Tgt Ion	Resp	Lower	Upper
228	111397		
226	31.0	12.0	52.0
229	24.3	0.0	61.1



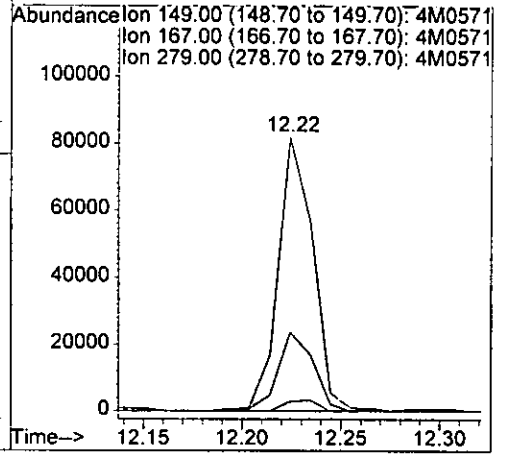
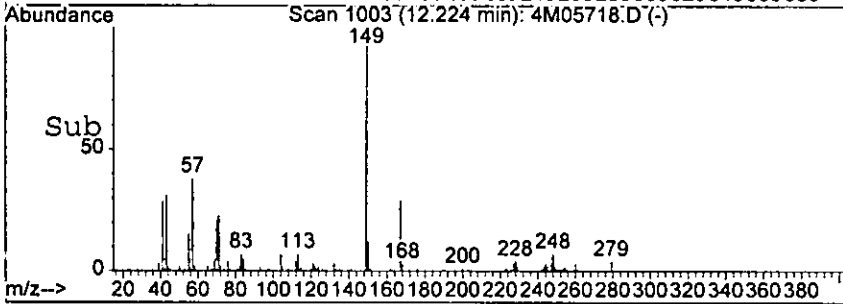
Handwritten signature



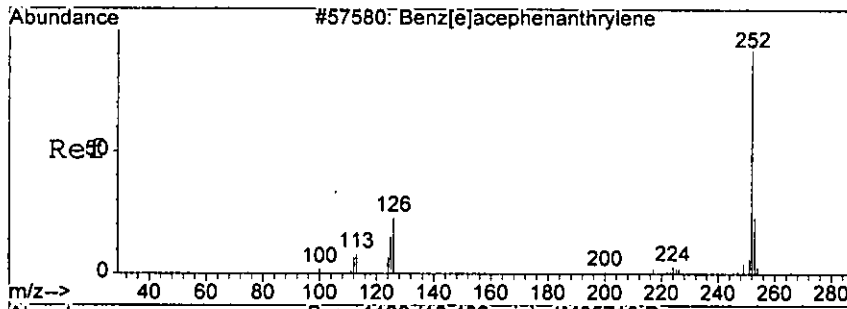
#80
 bis(2-Ethylhexyl)phthalate
 Concen: 31.08 ng
 RT: 12.22 min Scan# 1003
 Delta R.T. -0.00 min
 Lab File: 4M05718.D
 Acq: 18 Aug 2005 19:11



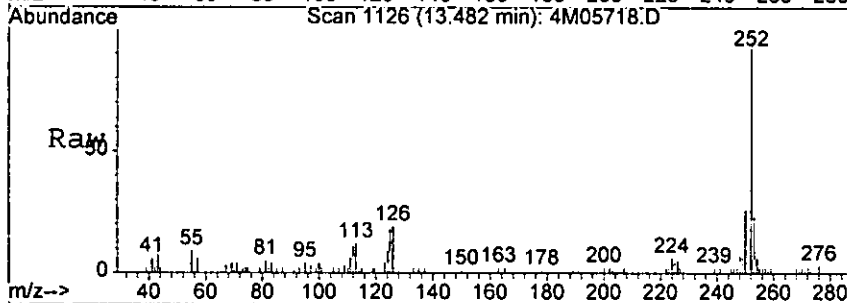
Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.0	0.0	53.9
279	3.5	0.0	43.5



handwritten signature

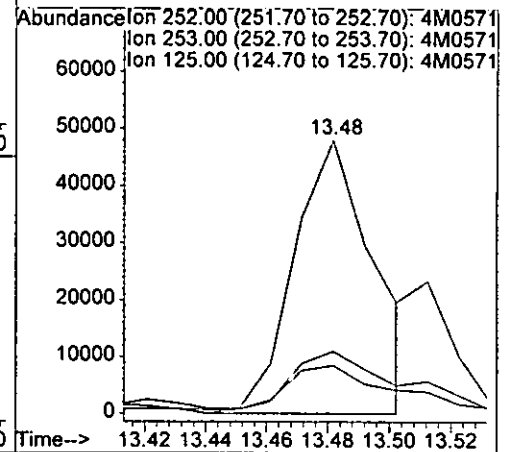
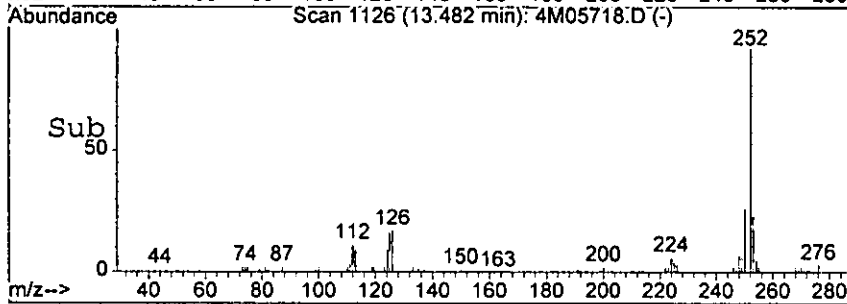


#83
 Benzo[b]fluoranthene
 Concen: 34.23 ng m
 RT: 13.48 min Scan# 1126
 Delta R.T. 0.01 min
 Lab File: 4M05718.D
 Acq: 18 Aug 2005 19:11

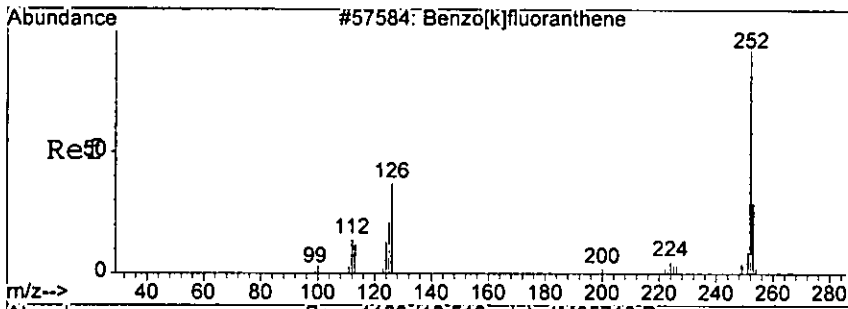


Tgt Ion: 252 Resp: 86689

Ion	Ratio	Lower	Upper
252	100		
253	22.8	0.0	63.3
125	17.6	0.0	57.6



hour

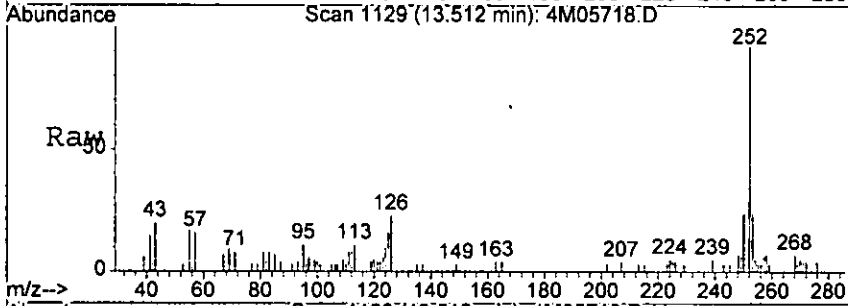


#84
 Benzo[k]fluoranthene
 Concen: 10.04 ng m
 RT: 13.51 min Scan# 1129
 Delta R.T. 0.01 min
 Lab File: 4M05718.D
 Acq: 18 Aug 2005 19:11

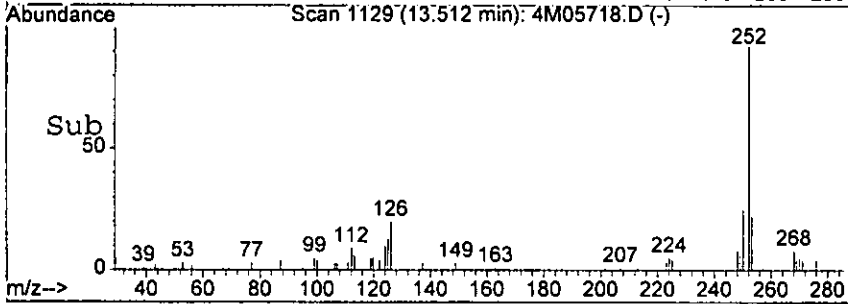
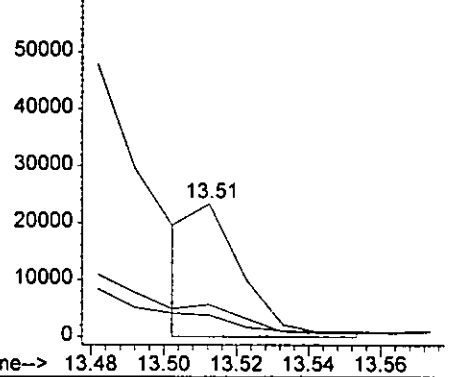
0615

Tgt Ion: 252 Resp: 22639

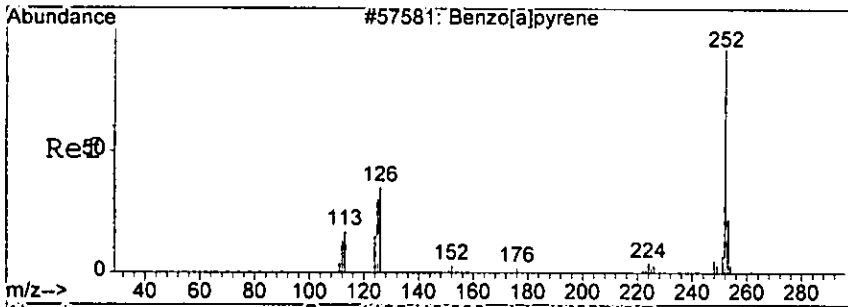
Ion	Ratio	Lower	Upper
252	100		
253	24.1	0.0	63.5
125	16.3	0.0	53.8



Abundance Ion 252.00 (251.70 to 252.70): 4M0571
 Ion 253.00 (252.70 to 253.70): 4M0571
 Ion 125.00 (124.70 to 125.70): 4M0571

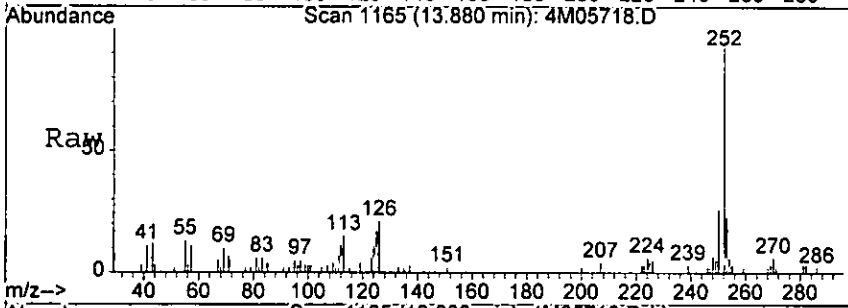


Handwritten signature



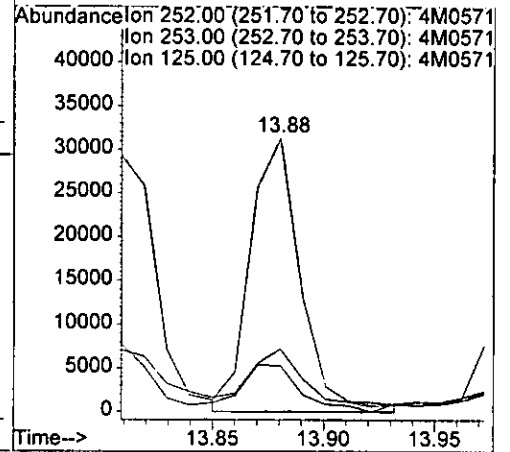
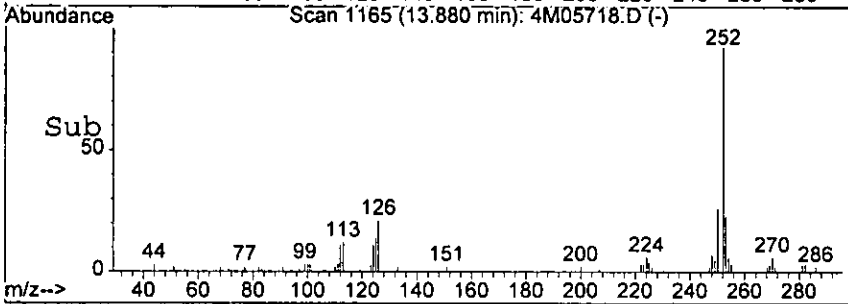
#85
 Benzo[a]pyrene
 Concen: 21.69 ng
 RT: 13.88 min Scan# 1165
 Delta R.T. 0.01 min
 Lab File: 4M05718.D
 Acq: 18 Aug 2005 19:11

0519

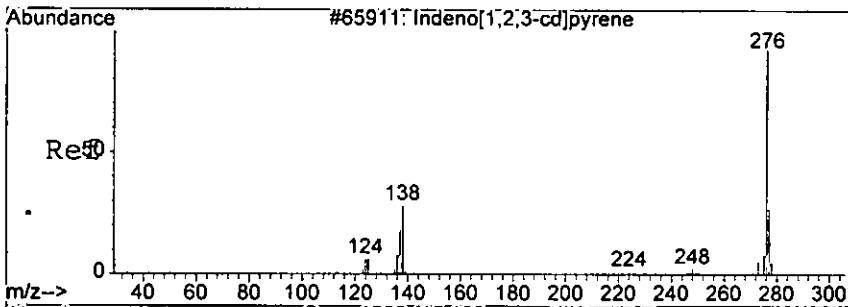


Tgt Ion: 252 Resp: 49543

Ion	Ratio	Lower	Upper
252	100		
253	20.7	0.0	62.9
125	14.4	0.0	57.6

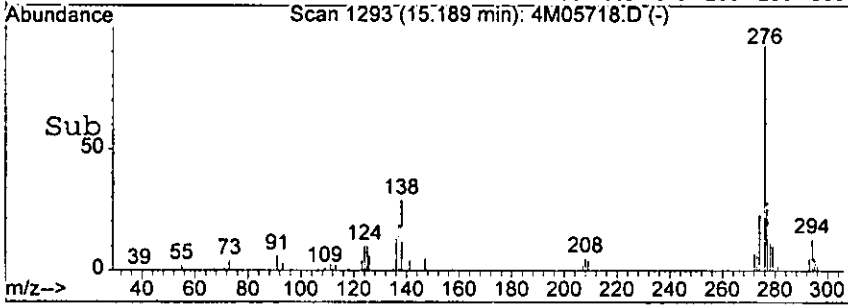
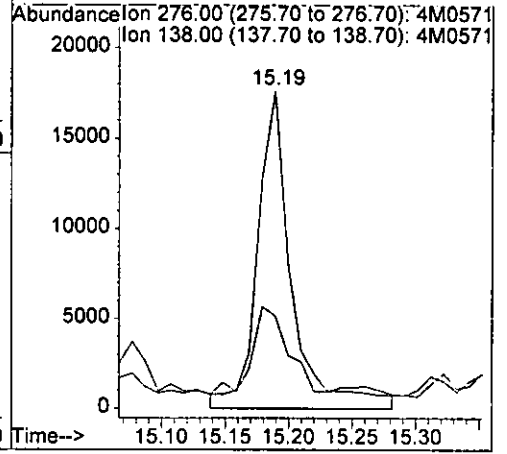
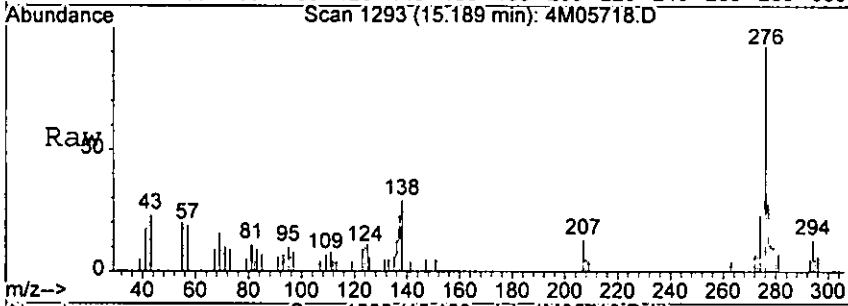


hhar

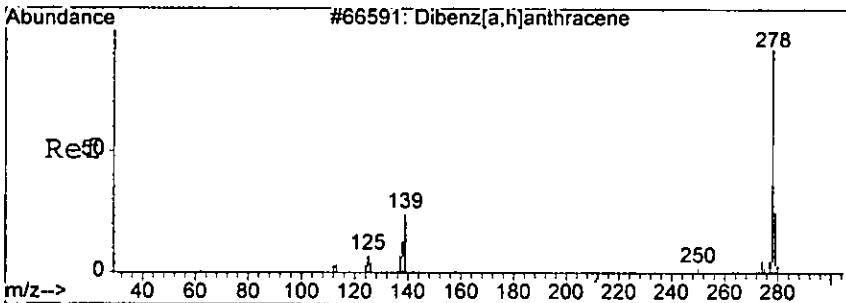


#86
 Indeno[1,2,3-cd]pyrene
 Concen: 12.00 ng
 RT: 15.19 min Scan# 1293
 Delta R.T. 0.01 min
 Lab File: 4M05718.D
 Acq: 18 Aug 2005 19:11

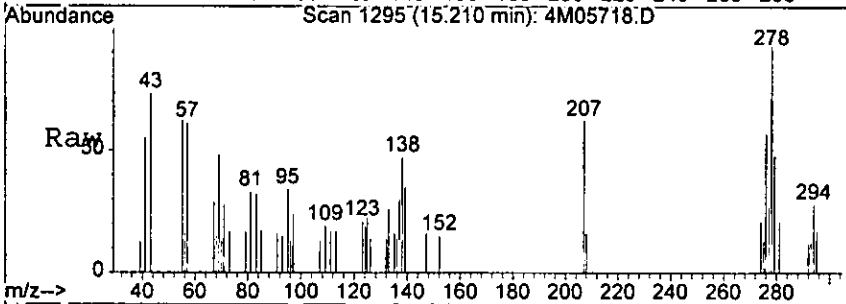
Tgt Ion: 276 Resp: 32899
 Ion Ratio Lower Upper
 276 100
 138 25.8 0.0 73.4



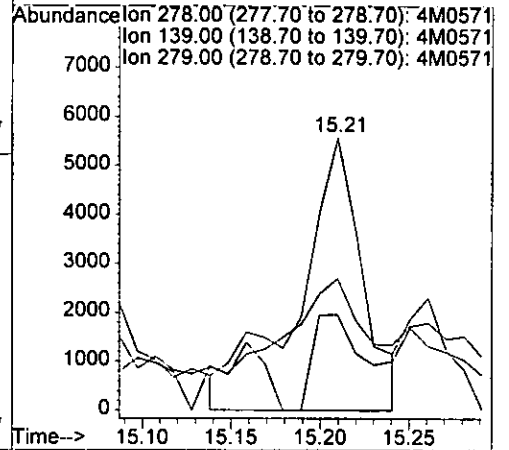
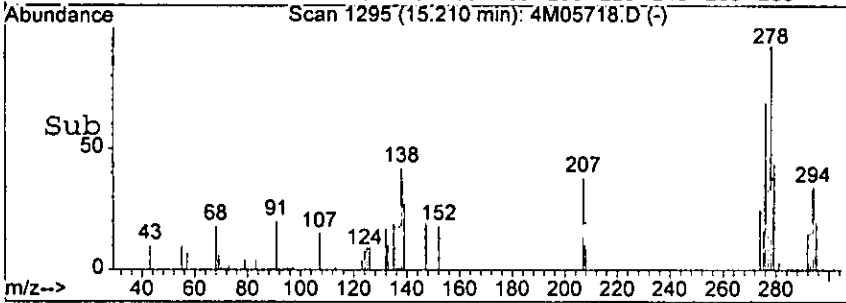
Handwritten signature



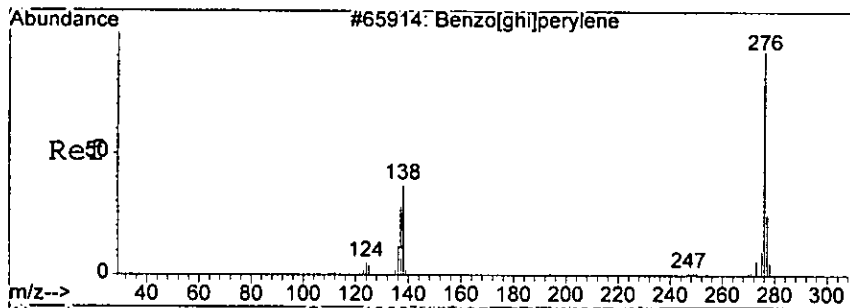
#87
 Dibenzo[a,h]anthracene
 Concen: 6.58 ng
 RT: 15.21 min Scan# 1295
 Delta R.T. 0.01 min
 Lab File: 4M05718.D
 Acq: 18 Aug 2005 19:11



Tgt Ion	Resp	Lower	Upper
278	14081	100	
139	21.4	0.0	63.8
279	37.4	0.0	64.0



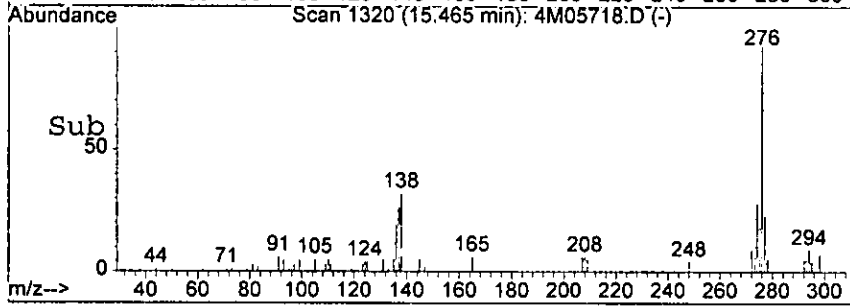
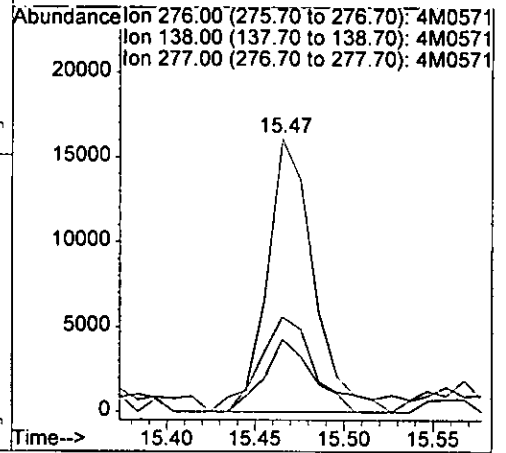
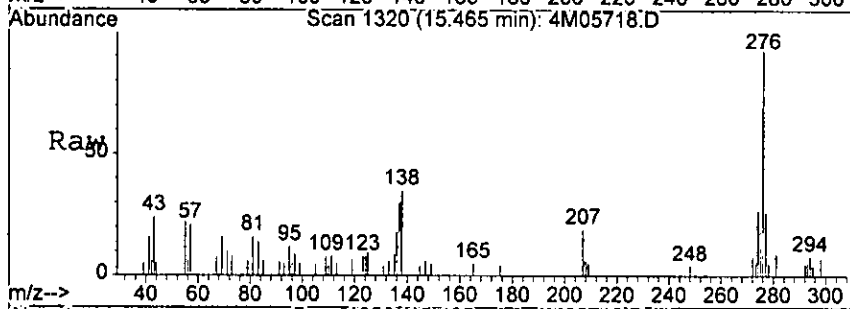
low



#88
 Benzo[g,h,i]perylene
 Concen: 12.85 ng
 RT: 15.47 min Scan# 1320
 Delta R.T. 0.01 min
 Lab File: 4M05718.D
 Acq: 18 Aug 2005 19:11

6190

Tgt Ion	Resp	Lower	Upper
276	29012	100	
138	34.8	0.0	74.1
277	26.4	0.0	65.0



Handwritten signature

Form1

ORGANICS SEMIVOLATILE REPORT

0620

Sample Number: AC19099-009
 Client Id: PCSB - 58 (11)
 Data File: 5M10262.D
 Analysis Date: 08/18/05 16:12
 Date Rec/Extracted: 08/16/05-08/17/05

Matrix: Soil
 Initial Vol: 30g
 Final Vol: 1ml
 Dilution: 1
 Solids: 67

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.0087	U	205-99-2	Benzo[b]fluoranthene	0.014	U
95-50-1	1,2-Dichlorobenzene	0.020	U	191-24-2	Benzo[g,h,i]perylene	0.0071	U
122-66-7	1,2-Diphenylhydrazine	0.016	U	207-08-9	Benzo[k]fluoranthene	0.017	U
541-73-1	1,3-Dichlorobenzene	0.014	U	111-91-1	bis(2-Chloroethoxy)methan	0.012	U
106-46-7	1,4-Dichlorobenzene	0.0087	U	111-44-4	bis(2-Chloroethyl)ether	0.022	U
95-95-4	2,4,5-Trichlorophenol	0.077	U	108-60-1	bis(2-chloroisopropyl)ether	0.010	U
88-06-2	2,4,6-Trichlorophenol	0.037	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.032	U
120-83-2	2,4-Dichlorophenol	0.066	U	85-68-7	Butylbenzylphthalate	0.013	U
105-67-9	2,4-Dimethylphenol	0.042	U	86-74-8	Carbazole	0.0096	U
51-28-5	2,4-Dinitrophenol	0.091	U	218-01-9	Chrysene	0.014	U
121-14-2	2,4-Dinitrotoluene	0.018	U	84-74-2	Di-n-butylphthalate	0.010	U
606-20-2	2,6-Dinitrotoluene	0.022	U	117-84-0	Di-n-octylphthalate	0.017	U
91-58-7	2-Chloronaphthalene	0.0056	U	53-70-3	Dibenzo[a,h]anthracene	0.0091	U
95-57-8	2-Chlorophenol	0.091	U	132-64-9	Dibenzofuran	0.064	U
91-57-6	2-Methylnaphthalene	0.085	U	84-66-2	Diethylphthalate	0.012	U
95-48-7	2-Methylphenol	0.19	U	131-11-3	Dimethylphthalate	0.0086	U
88-74-4	2-Nitroaniline	0.064	U	206-44-0	Fluoranthene	0.0082	0.11
88-75-5	2-Nitrophenol	0.061	U	86-73-7	Fluorene	0.012	U
106-44-5	3&4-Methylphenol	0.18	U	118-74-1	Hexachlorobenzene	0.020	U
91-94-1	3,3'-Dichlorobenzidine	0.087	U	87-68-3	Hexachlorobutadiene	0.012	U
99-09-2	3-Nitroaniline	0.13	U	77-47-4	Hexachlorocyclopentadiene	0.13	U
534-52-1	4,6-Dinitro-2-methylphenol	0.095	U	67-72-1	Hexachloroethane	0.017	U
101-55-3	4-Bromophenyl-phenylether	0.020	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.0084	U
59-50-7	4-Chloro-3-methylphenol	0.10	U	78-59-1	Isophorone	0.27	U
106-47-8	4-Chloroaniline	0.34	U	621-64-7	N-Nitroso-di-n-propylamine	0.016	U
7005-72-3	4-Chlorophenyl-phenylether	0.014	U	62-75-9	N-Nitrosodimethylamine	0.55	U
100-01-6	4-Nitroaniline	0.074	U	86-30-6	n-Nitrosodiphenylamine	0.014	U
100-02-7	4-Nitrophenol	0.070	U	91-20-3	Naphthalene	0.0048	U
83-32-9	Acenaphthene	0.0082	U	98-95-3	Nitrobenzene	0.014	U
208-96-8	Acenaphthylene	0.0075	U	87-86-5	Pentachlorophenol	0.048	U
120-12-7	Anthracene	0.0098	U	85-01-8	Phenanthrene	0.011	0.12
92-87-5	Benzidine	0.51	U	108-95-2	Phenol	0.082	U
56-55-3	Benzo[a]anthracene	0.0069	U	129-00-0	Pyrene	0.011	0.088
50-32-8	Benzo[a]pyrene	0.0083	U				

Worksheet #: 18797

Total Target Concentration 0.318

U - Indicates the compound was analyzed but not detected.
 B - Indicates the analyte was found in the blank as well as in the sample.
 E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
 J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

RES1

Data File : G:\GcMsData\2005\Gcms_5\Data\08-18-05\5M10262.D Vial: 2
 Acq On : 18 Aug 2005 16:12 Operator: AHD
 Sample : AC19099-009 Inst : GCMS_5
 Misc : S,BNA Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:21 2005 Quant Results File: 5M_0817.RES

Quant Method : G:\GCMSDATA\2005\GCMS_5\METHODS\5M_0817.M (RTE Integrator)
 Title : @GCMS_5,mg,625,8270
 Last Update : Wed Aug 17 10:45:54 2005
 Response via : Initial Calibration
 DataAcq Meth : 5M_RUN5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.01	152	21735	40.00	ng	0.00
20) Naphthalene-d8	6.05	136	85119	40.00	ng	0.00
36) Acenaphthene-d10	7.37	164	50674	40.00	ng	-0.01
61) Phenanthrene-d10	8.73	188	83650	40.00	ng	-0.02
77) Chrysene-d12	11.69	240	70495	40.00	ng	-0.03
88) Perylene-d12	13.27	264	52144	40.00	ng	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	3.66	112	97971	143.42	ng	0.00
Spiked Amount	200.000		Recovery	=	71.71%	
8) Phenol-d5	4.72	99	129607	143.63	ng	0.00
Spiked Amount	200.000		Recovery	=	71.82%	
21) Nitrobenzene-d5	5.49	128	26062	72.03	ng	0.00
Spiked Amount	100.000		Recovery	=	72.03%	
41) 2-Fluorobiphenyl	6.86	172	116969	70.59	ng	0.00
Spiked Amount	100.000		Recovery	=	70.59%	
64) 2,4,6-Tribromophenol	8.06	330	30888	166.77	ng	-0.02
Spiked Amount	200.000		Recovery	=	83.39%	
80) Terphenyl-d14	10.49	244	144553	82.45	ng	-0.02
Spiked Amount	100.000		Recovery	=	82.45%	
Target Compounds						Qvalue
70) Phenanthrene	8.75	178	5787	2.44	ng	99
76) Fluoranthene	10.02	202	5966	2.27	ng	98
78) Pyrene	10.27	202	4964	1.76	ng	96

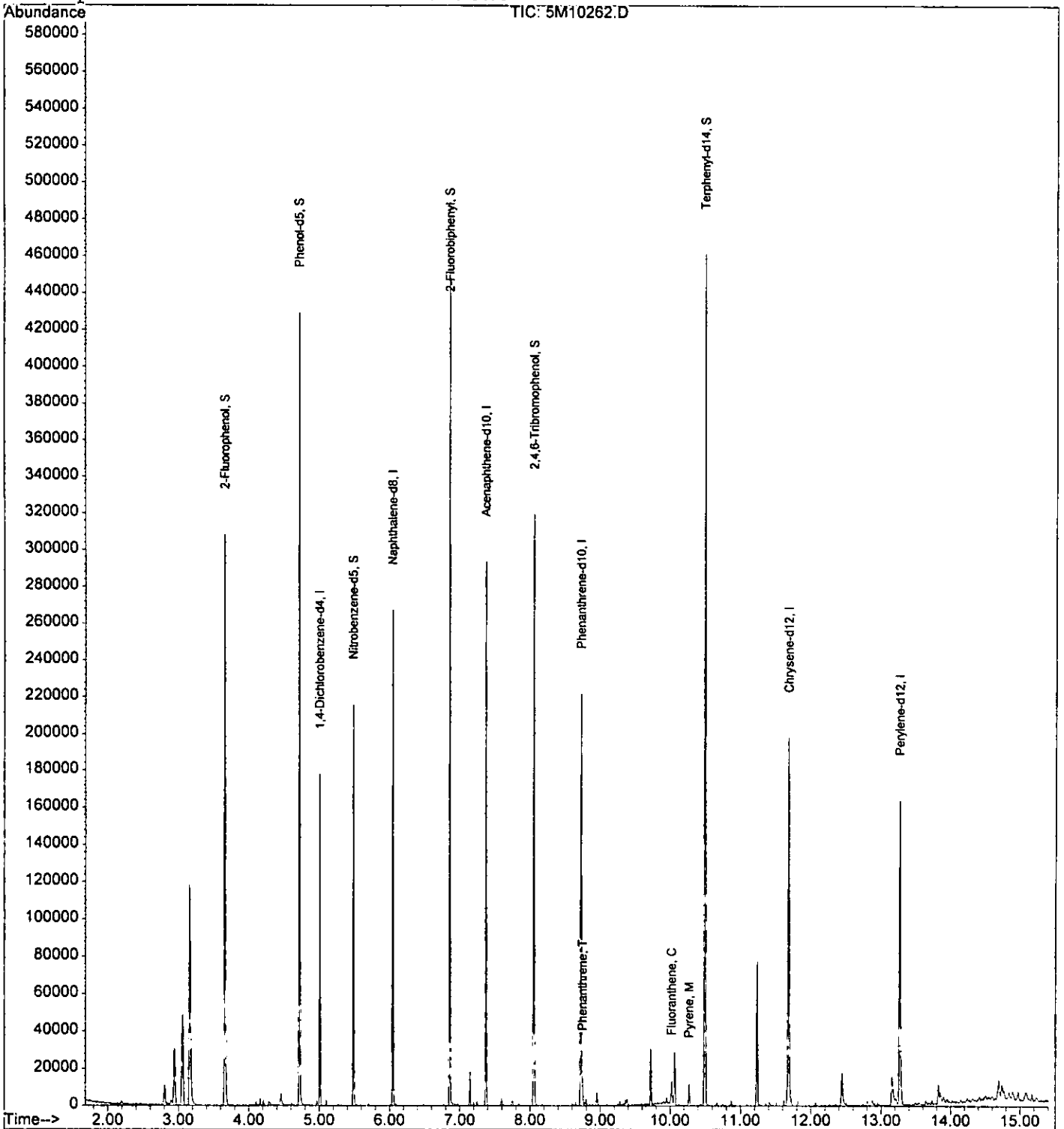
HOW

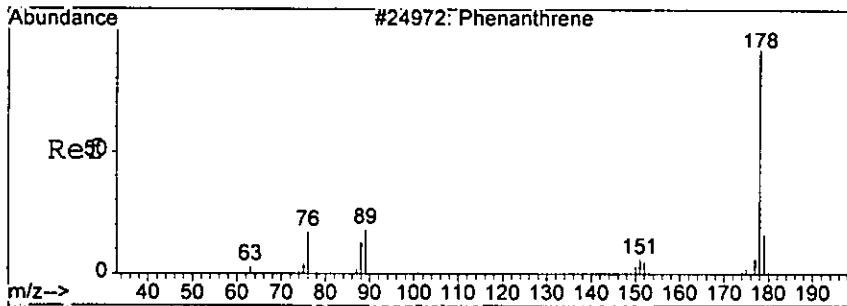
Quantitation Report

Data File : G:\GcMsData\2005\Gcms_5\Data\08-18-05\5M10262.D Vial: 2
Acq On : 18 Aug 2005 16:12 Operator: AHD
Sample : AC19099-009 Inst : GCMS_5
Misc : S,BNA Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 29 16:21 2005

Quant Results File: 5M_0817.RES

Method : G:\GCMSDATA\2005\GCMS_5\METHODS\5M_0817.M (RTE Integrator)
Title : @GCMS_5,mg,625,8270
Last Update : Wed Aug 17 10:45:54 2005
Response via : Initial Calibration



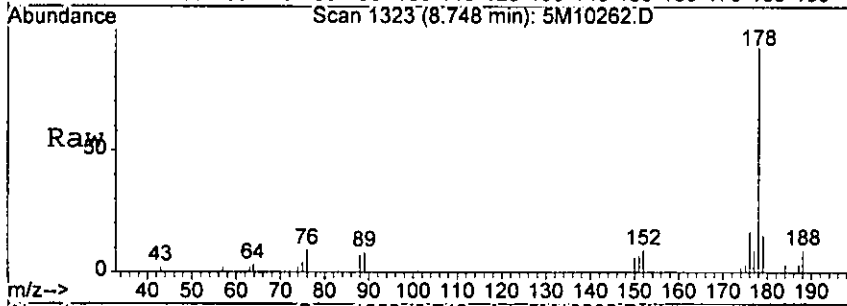


#70
 Phenanthrene
 Concen: 2.44 ng
 RT: 8.75 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: 5M10262.D
 Acq: 18 Aug 2005 16:12

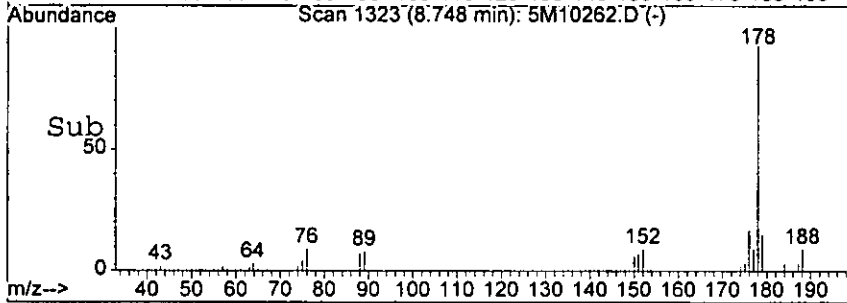
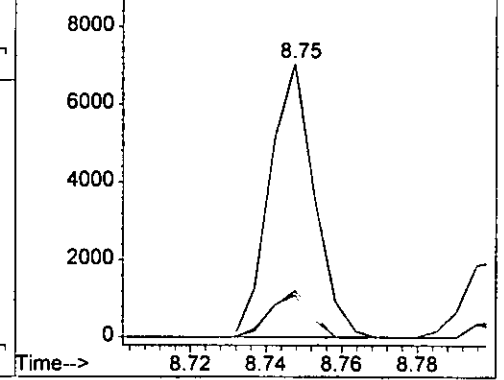
0623

Tgt Ion: 178 Resp: 5787

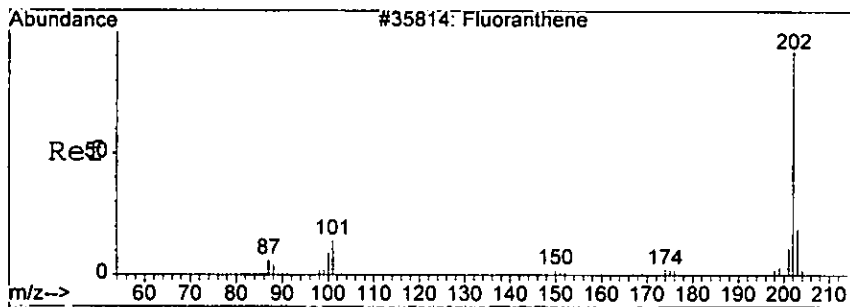
Ion	Ratio	Lower	Upper
178	100		
179	15.5	0.0	54.9
176	17.1	0.0	57.7



Abundance Ion 178.00 (177.70 to 178.70): 5M1026
 Ion 179.00 (178.70 to 179.70): 5M1026
 Ion 176.00 (175.70 to 176.70): 5M1026



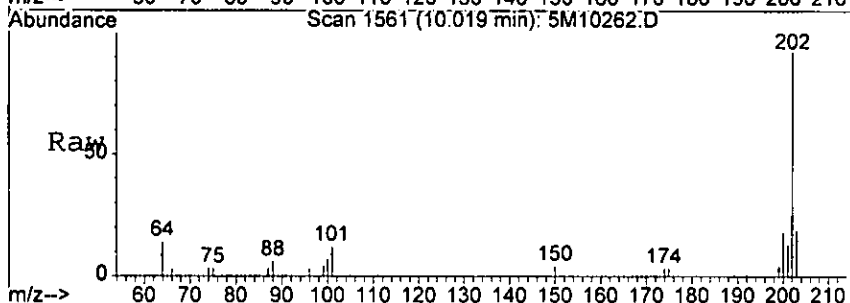
Handwritten signature



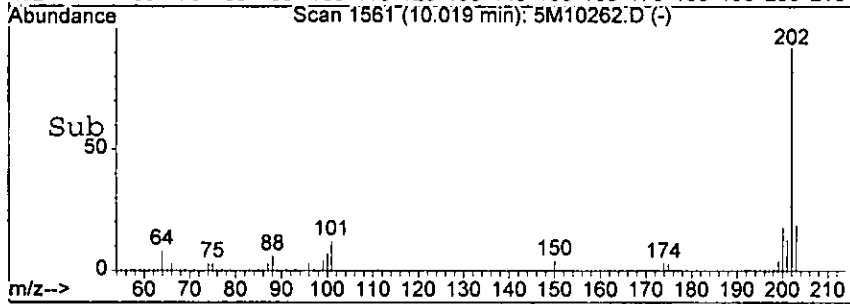
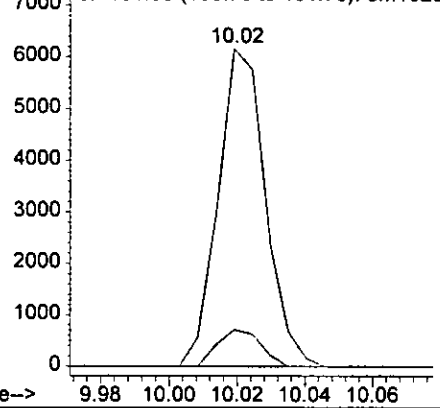
#76
 Fluoranthene
 Concen: 2.27 ng
 RT: 10.02 min Scan# 1561
 Delta R.T. -0.03 min
 Lab File: 5M10262.D
 Acq: 18 Aug 2005 16:12

0624

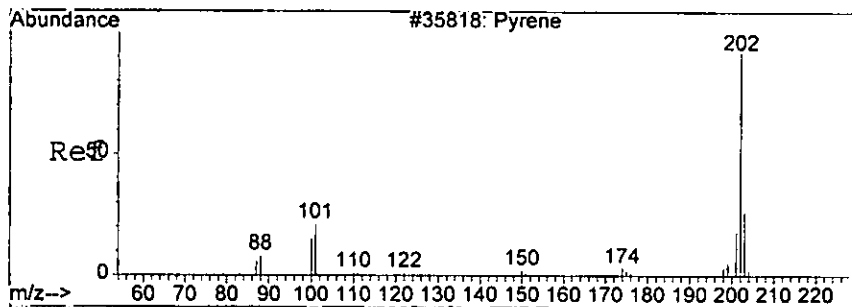
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	52.5



Abundance Ion 202.00 (201.70 to 202.70): 5M1026
 Ion 101.00 (100.70 to 101.70): 5M1026



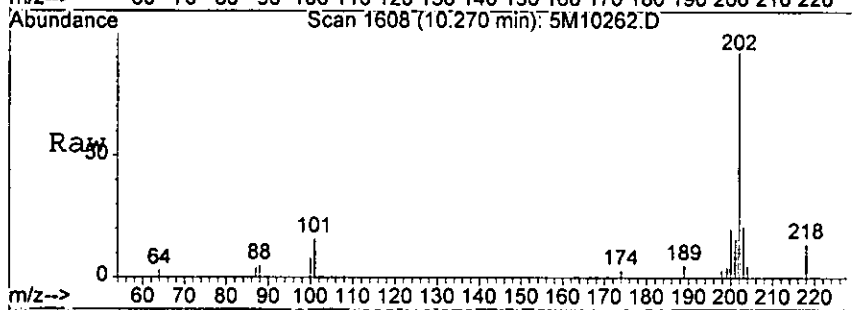
Handwritten signature



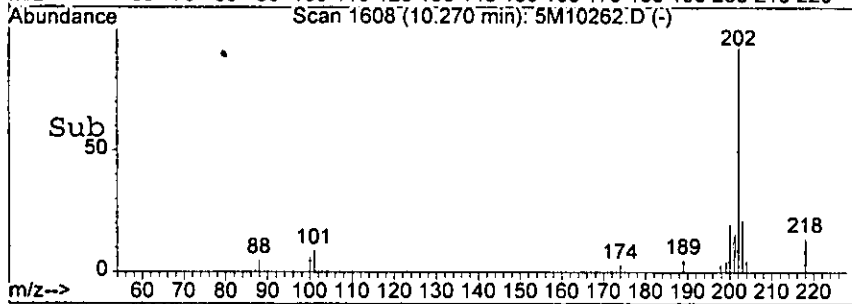
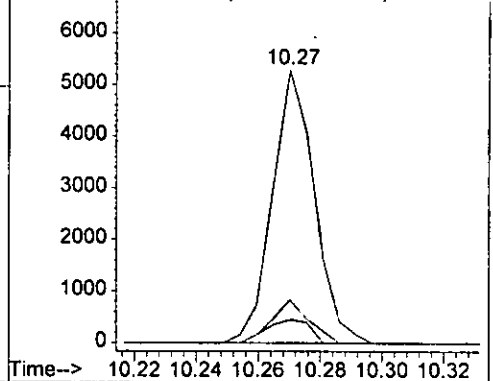
#78
 Pyrene
 Concen: 1.76 ng
 RT: 10.27 min Scan# 1608
 Delta R.T. -0.03 min
 Lab File: 5M10262.D
 Acq: 18 Aug 2005 16:12

0625

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	4964		
101	15.7	0.0	55.5	
100	8.4	0.0	52.1	



Abundance Ion 202.00 (201.70 to 202.70): 5M1026
 Ion 101.00 (100.70 to 101.70): 5M1026
 Ion 100.00 (99.70 to 100.70): 5M10262



Handwritten signature or mark

Form1

ORGANICS SEMIVOLATILE REPORT

9226

Sample Number: AC19099-010
 Client Id: PCSB - 59 (0.5)
 Data File: 4M05738.D
 Analysis Date: 08/19/05 11:46
 Date Rec/Extracted: 08/16/05-08/17/05

Matrix: Soil
 Initial Vol: 30g
 Final Vol: 1ml
 Dilution: 1
 Solids: 91

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.0099	U	205-99-2	Benzo[b]fluoranthene	0.011	1.8
95-50-1	1,2-Dichlorobenzene	0.017	U	191-24-2	Benzo[g,h,i]perylene	0.0070	0.94
122-66-7	1,2-Diphenylhydrazine	0.011	U	207-08-9	Benzo[k]fluoranthene	0.012	0.66
541-73-1	1,3-Dichlorobenzene	0.015	U	111-91-1	bis(2-Chloroethoxy)methan	0.0084	U
106-46-7	1,4-Dichlorobenzene	0.019	U	111-44-4	bis(2-Chloroethyl)ether	0.019	U
95-95-4	2,4,5-Trichlorophenol	0.49	U	108-60-1	bis(2-chloroisopropyl)ether	0.012	U
88-06-2	2,4,6-Trichlorophenol	0.89	U	117-81-7	bis(2-Ethylhexyl)phthalat	0.033	0.19
120-83-2	2,4-Dichlorophenol	0.059	U	85-68-7	Butylbenzylphthalate	0.015	U
105-67-9	2,4-Dimethylphenol	0.051	U	86-74-8	Carbazole	0.011	0.17
51-28-5	2,4-Dinitrophenol	0.25	U	218-01-9	Chrysene	0.0076	1.3
121-14-2	2,4-Dinitrotoluene	0.014	U	84-74-2	Di-n-butylphthalate	0.0082	U
606-20-2	2,6-Dinitrotoluene	0.015	U	117-84-0	Di-n-octylphthalate	0.0087	U
91-58-7	2-Chloronaphthalene	0.010	U	53-70-3	Dibenzo[a,h]anthracene	0.013	0.40
95-57-8	2-Chlorophenol	0.075	U	132-64-9	Dibenzofuran	0.046	0.17
91-57-6	2-Methylnaphthalene	0.047	0.43	84-66-2	Diethylphthalate	0.010	0.041
95-48-7	2-Methylphenol	0.17	U	131-11-3	Dimethylphthalate	0.0083	U
88-74-4	2-Nitroaniline	0.026	U	206-44-0	Fluoranthene	0.011	1.4
88-75-5	2-Nitrophenol	0.043	U	86-73-7	Fluorene	0.0093	0.23
106-44-5	3&4-Methylphenol	0.19	U	118-74-1	Hexachlorobenzene	0.017	U
91-94-1	3,3'-Dichlorobenzidine	0.080	U	87-68-3	Hexachlorobutadiene	0.016	U
99-09-2	3-Nitroaniline	0.15	U	77-47-4	Hexachlorocyclopentadiene	0.097	U
534-52-1	4,6-Dinitro-2-methylphenol	0.070	U	67-72-1	Hexachloroethane	0.027	U
101-55-3	4-Bromophenyl-phenylether	0.014	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.0050	0.85
59-50-7	4-Chloro-3-methylphenol	0.093	U	78-59-1	Isophorone	0.011	U
106-47-8	4-Chloroaniline	0.28	U	621-64-7	N-Nitroso-di-n-propylamine	0.018	U
7005-72-3	4-Chlorophenyl-phenylether	0.017	U	62-75-9	N-Nitrosodimethylamine	0.43	U
100-01-6	4-Nitroaniline	0.090	U	86-30-6	n-Nitrosodiphenylamine	0.017	U
100-02-7	4-Nitrophenol	0.065	U	91-20-3	Naphthalene	0.0086	0.24
83-32-9	Acenaphthene	0.015	0.23	98-95-3	Nitrobenzene	0.015	U
208-96-8	Acenaphthylene	0.0085	0.10	87-86-5	Pentachlorophenol	0.045	U
120-12-7	Anthracene	0.0096	0.39	85-01-8	Phenanthrene	0.0084	1.7
92-87-5	Benzidine	0.083	U	108-95-2	Phenol	0.056	U
56-55-3	Benzo[a]anthracene	0.0064	1.3	129-00-0	Pyrene	0.0085	2.9
50-32-8	Benzo[a]pyrene	0.0084	1.3				

Worksheet #: 18797

Total Target Concentration 16.741

U - Indicates the compound was analyzed but not detected.
 B - Indicates the analyte was found in the blank as well as in the sample.
 E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
 J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

0827

Data File : G:\GcMsData\2005\Gcms_4\Data\08-19-05\4M05738.D Vial:
 Acq On : 19 Aug 2005 11:46 Operator: AHD
 Sample : AC19099-010 Inst : GCMS_4
 Misc : S,BNA Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:22 2005 Quant Results File: 4M_0818.RES

Quant Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration
 DataAcq Meth : 4M_0818

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	4.78	152	99109	40.00	ng	0.00
19) Naphthalene-d8	5.77	136	294546	40.00	ng	0.00
35) Acenaphthene-d10	7.33	164	141672	40.00	ng	0.00
59) Phenanthrene-d10	8.91	188	157955	40.00	ng	0.00
72) Chrysene-d12	12.10	240	54610	40.00	ng	0.00
81) Perylene-d12	13.94	264	39925	40.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	3.62	112	343184	125.20	ng	0.00
Spiked Amount	200.000		Recovery	=	62.60%	
7) Phenol-d5	4.50	99	436009	125.93	ng	0.00
Spiked Amount	200.000		Recovery	=	62.97%	
20) Nitrobenzene-d5	5.22	128	89260	65.56	ng	0.00
Spiked Amount	100.000		Recovery	=	65.56%	
40) 2-Fluorobiphenyl	6.68	172	331437	74.06	ng	0.00
Spiked Amount	100.000		Recovery	=	74.06%	
62) 2,4,6-Tribromophenol	8.15	332	97652	152.70	ng	0.00
Spiked Amount	200.000		Recovery	=	76.35%	
75) Terphenyl-d14	10.81	244	157959	123.17	ng	0.00
Spiked Amount	100.000		Recovery	=	123.17%	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
29) Naphthalene	5.78	128	45271	6.49	ng	98
33) 2-Methylnaphthalene	6.35	142	55541	11.75	ng	98
46) Acenaphthylene	7.18	152	17321	2.75	ng	90
49) Acenaphthene	7.36	153	25145	6.40	ng	97
52) Dibenzofuran	7.53	168	26310	4.70	ng	78
55) Fluorene	7.89	166	27163	6.41	ng	94
57) Diethylphthalate	7.79	149	5747	1.13	ng	89
67) Phenanthrene	8.94	178	187153	45.52	ng	99
68) Anthracene	9.00	178	44278	10.71	ng	97
69) Carbazole	9.20	167	18180	4.54	ng	95
71) Fluoranthene	10.33	202	176468	39.58	ng	87
73) Pyrene	10.59	202	148068	79.13	ng	100
78) Benzo[a]anthracene	12.08	228	60352	35.28	ng	93
79) Chrysene	12.13	228	59650	36.66	ng	99
80) bis(2-Ethylhexyl)phthalate	12.22	149	7271	5.17	ng	78
83) Benzo[b]fluoranthene	13.47	252	70139m	47.83	ng	
84) Benzo[k]fluoranthene	13.50	252	23428m	17.94	ng	
85) Benzo[a]pyrene	13.87	252	46538	35.18	ng	97
86) Indeno[1,2,3-cd]pyrene	15.18	276	36932	23.27	ng	97

(#) = qualifier out of range (m) = manual integration

nsat

ZHE

Data File : G:\GcMsData\2005\Gcms_4\Data\08-19-05\4M05738.D Vial:
 Acq On : 19 Aug 2005 11:46 Operator: AHDD
 Sample : AC19099-010 Inst : GCMS_4
 Misc : S,BNA Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:22 2005 Quant Results File: 4M_0818.RES

Quant Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration
 DataAcq Meth : 4M_0818

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
87) Dibenzo[a,h]anthracene	15.20	278	13636	11.00	ng	84
88) Benzo[g,h,i]perylene	15.46	276	33654	25.74	ng	94

 (#) = qualifier out of range (m) = manual integration

Quantitation Report

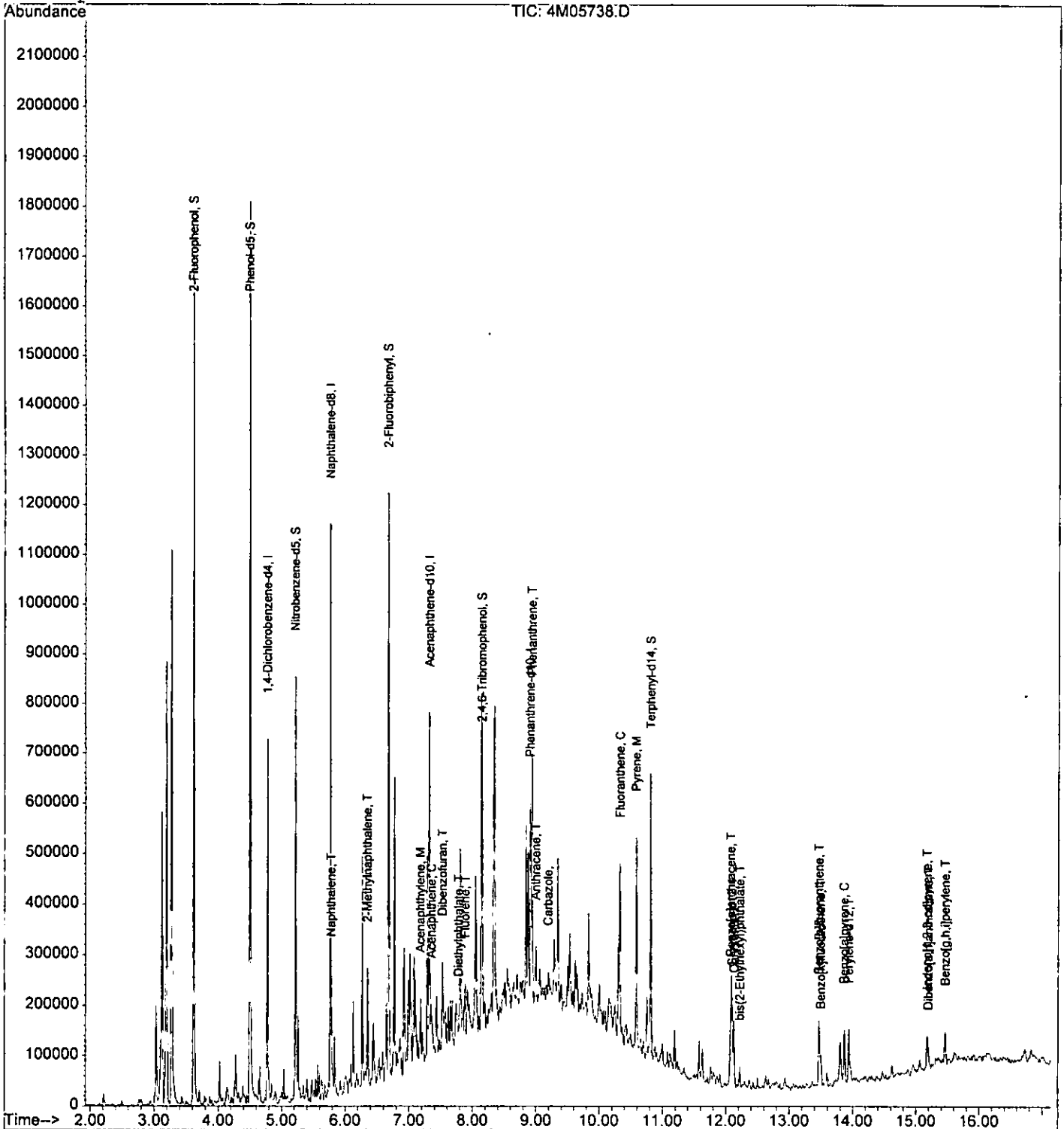
0829

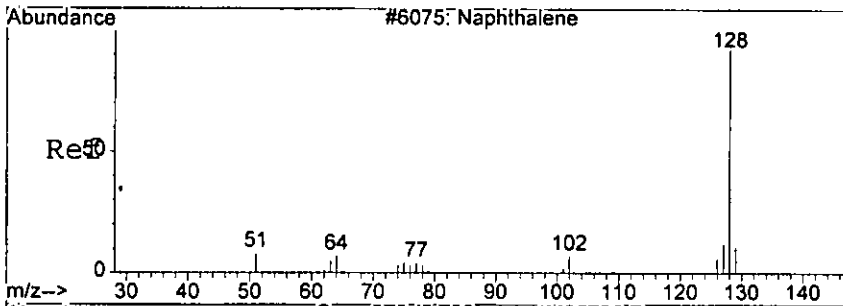
Data File : G:\GcMsData\2005\Gcms_4\Data\08-19-05\4M05738.D
Acq On : 19 Aug 2005 11:46
Sample : AC19099-010
Misc : S,BNA
MS Integration Params: RTEINT.P
Quant Time: Aug 29 16:22 2005

Vial: 4
Operator: AHD
Inst : GCMS_4
Multiplr: 1.00

Quant Results File: 4M_0818.RES

Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
Title : @GCMS_4,mg,625,8270
Last Update : Thu Aug 18 14:49:57 2005
Response via : Initial Calibration

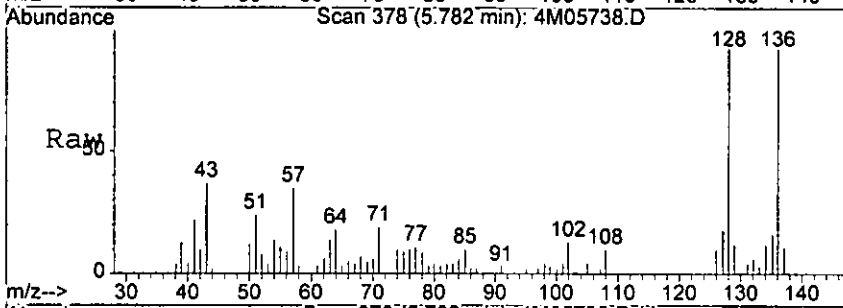




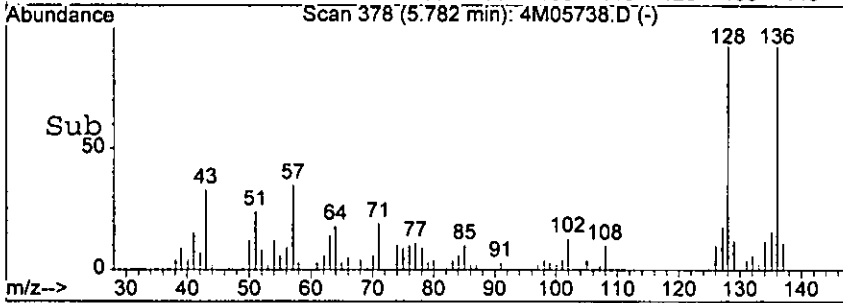
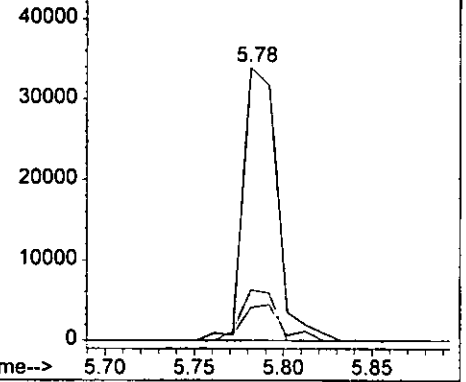
#29
 Naphthalene
 Concen: 6.49 ng
 RT: 5.78 min Scan# 378
 Delta R.T. -0.01 min
 Lab File: 4M05738.D
 Acq: 19 Aug 2005 11:46

0538

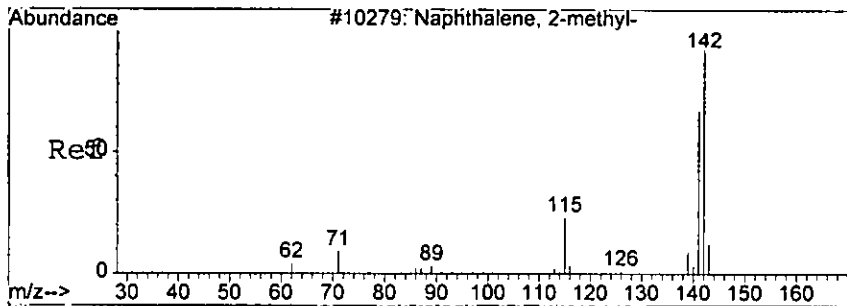
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	45271		
129	12.0		0.0	51.8
127	18.4		0.0	57.0



Abundance Ion 128.00 (127.70 to 128.70): 4M0573
 Ion 129.00 (128.70 to 129.70): 4M0573
 Ion 127.00 (126.70 to 127.70): 4M0573



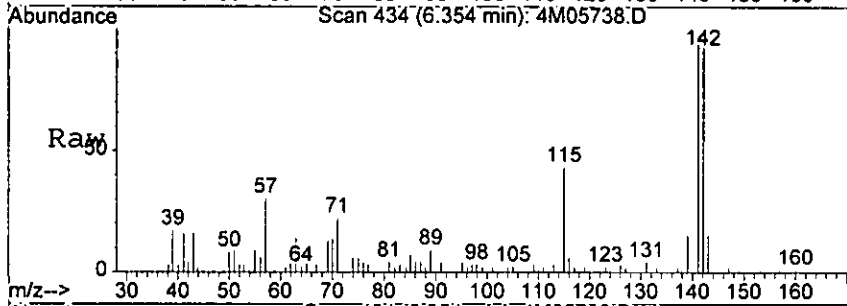
Raw



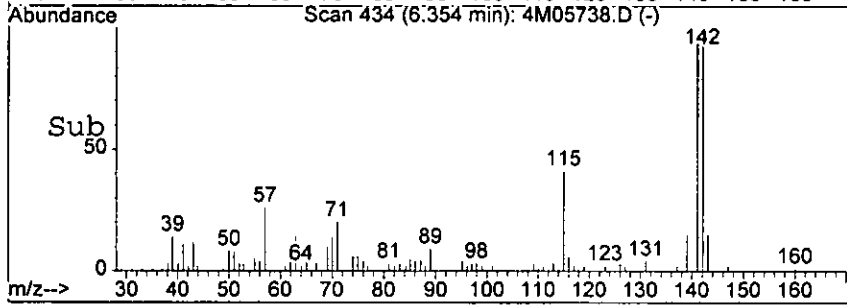
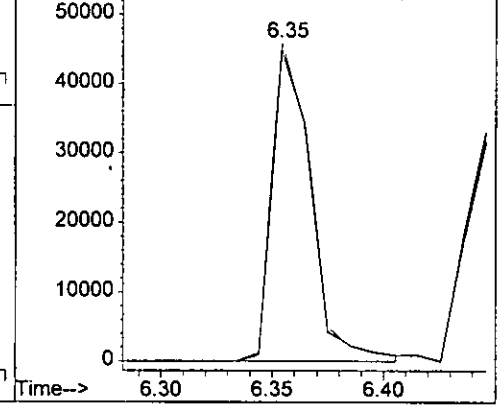
#33
 2-Methylnaphthalene
 Concen: 11.75 ng
 RT: 6.35 min Scan# 434
 Delta R.T. -0.01 min
 Lab File: 4M05738.D
 Acq: 19 Aug 2005 11:46

0631

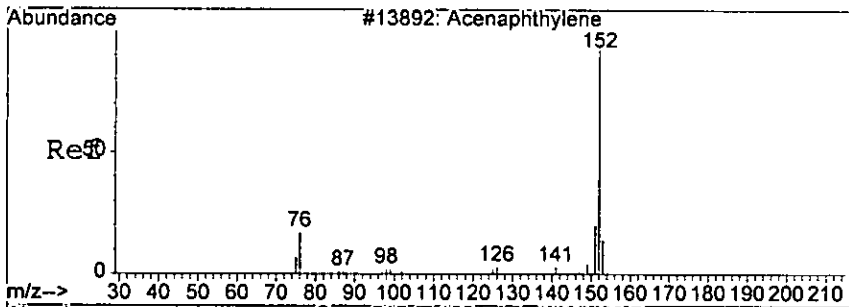
Tgt Ion: 142 Resp: 55541
 Ion Ratio Lower Upper
 142 100
 141 97.9 55.7 135.7



Abundance Ion 142.00 (141.70 to 142.70): 4M0573
 Ion 141.00 (140.70 to 141.70): 4M0573



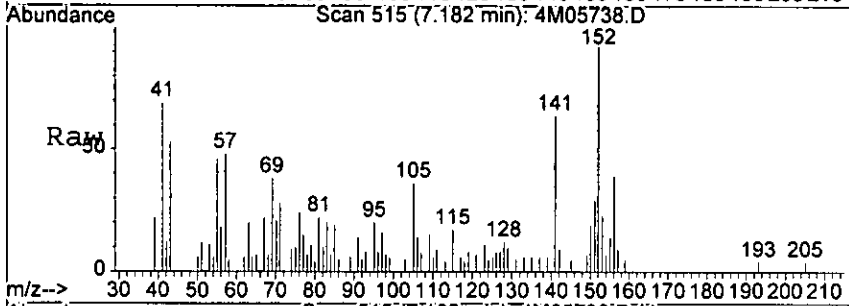
handwritten signature



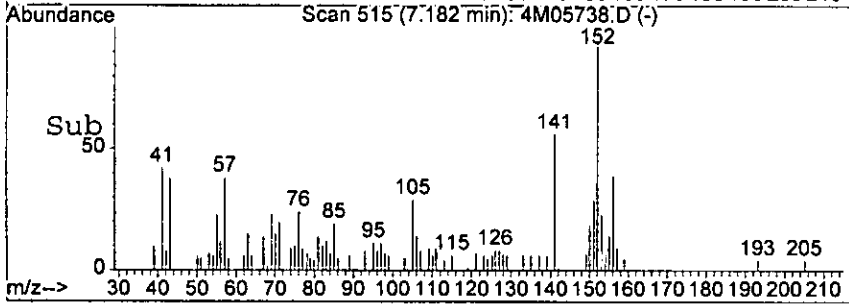
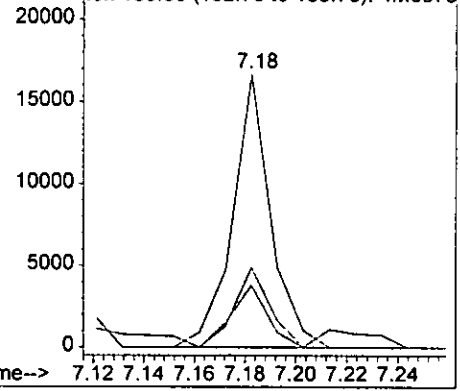
#46
 Acenaphthylene
 Concen: 2.75 ng
 RT: 7.18 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: 4M05738.D
 Acq: 19 Aug 2005 11:46

0632

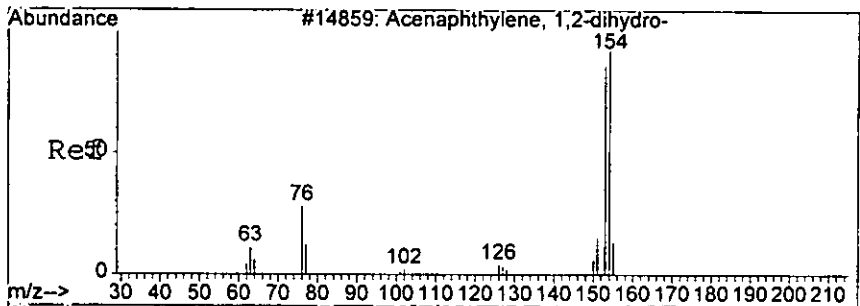
Tgt Ion	Resp	Lower	Upper
152	17321	100	100
151	25.2	0.0	63.6
153	22.7	0.0	53.8



Abundance Ion 152.00 (151.70 to 152.70): 4M0573
 Ion 151.00 (150.70 to 151.70): 4M0573
 Ion 153.00 (152.70 to 153.70): 4M0573



Handwritten signature

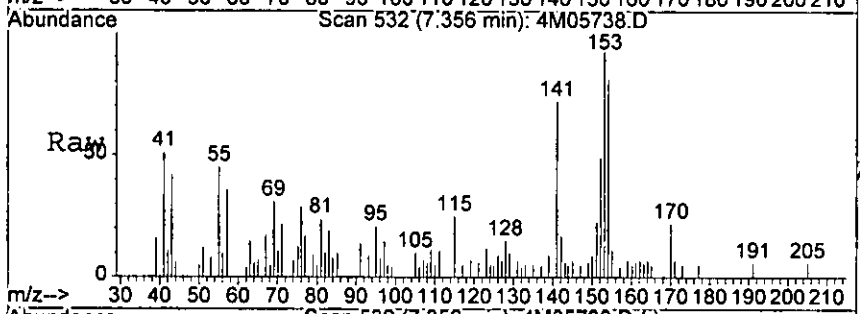


#49
 Acenaphthene
 Concen: 6.40 ng
 RT: 7.36 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: 4M05738.D
 Acq: 19 Aug 2005 11:46

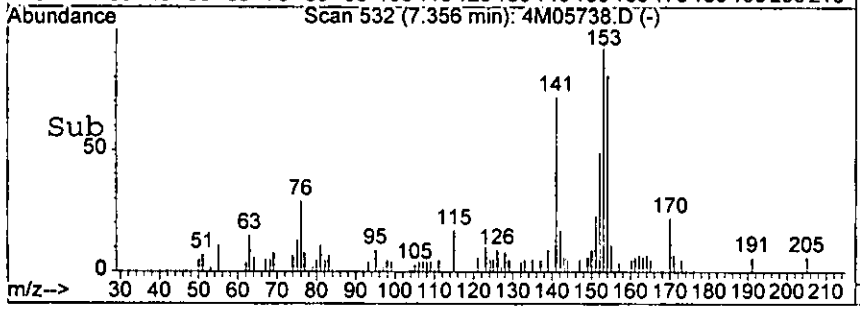
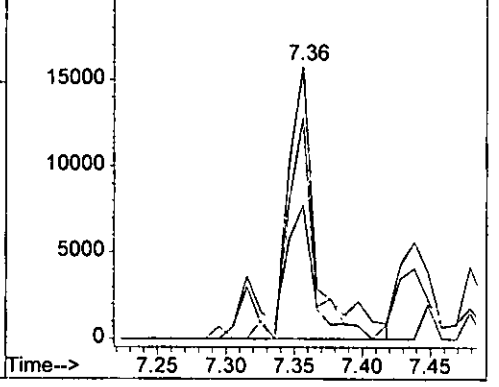
0533

Tgt Ion: 153 Resp: 25145

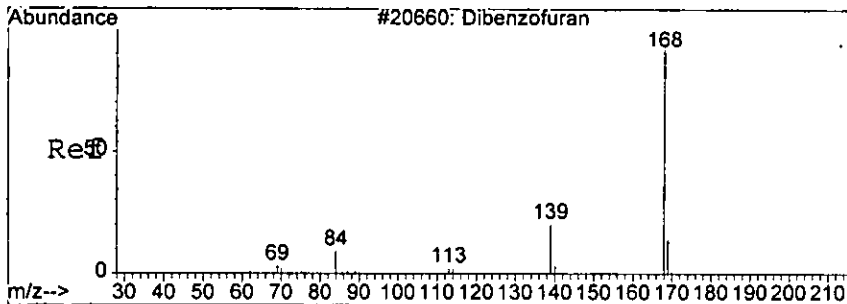
Ion	Ratio	Lower	Upper
153	100		
152	49.0	8.3	88.3
154	81.1	45.1	125.1



Abundance Ion 153.00 (152.70 to 153.70): 4M0573
 Ion 152.00 (151.70 to 152.70): 4M0573
 Ion 154.00 (153.70 to 154.70): 4M0573



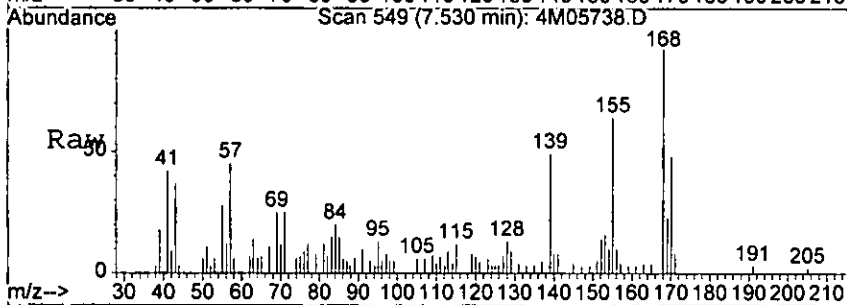
Kor



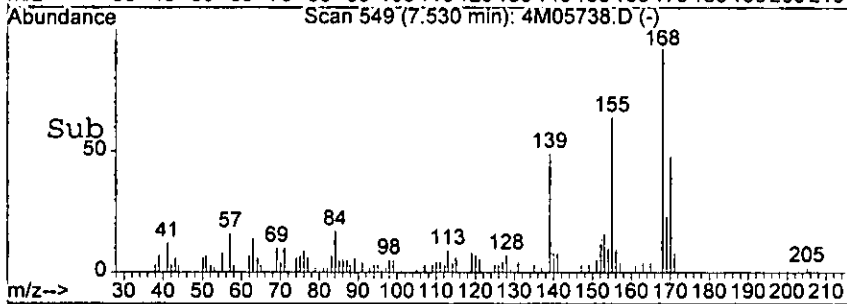
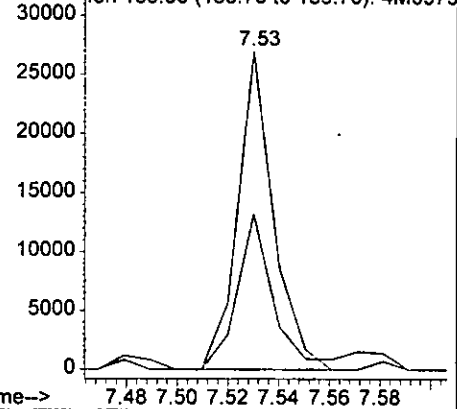
#52
 Dibenzofuran
 Concen: 4.70 ng
 RT: 7.53 min Scan# 549
 Delta R.T. -0.00 min
 Lab File: 4M05738.D
 Acq: 19 Aug 2005 11:46

0534

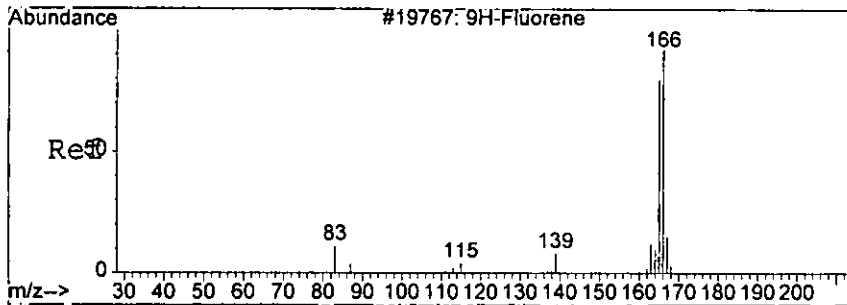
Tgt Ion:168 Resp: 26310
 Ion Ratio Lower Upper
 168 100
 139 49.2 6.0 66.0



Abundance Ion 168.00 (167.70 to 168.70): 4M0573
 Ion 139.00 (138.70 to 139.70): 4M0573



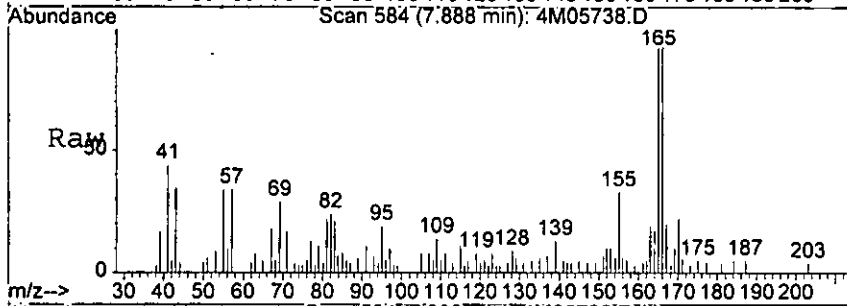
hsc



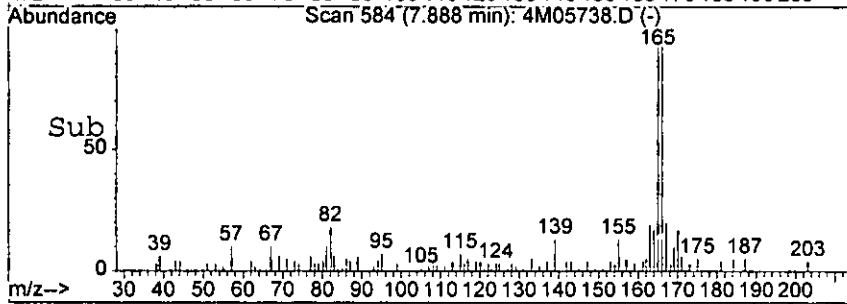
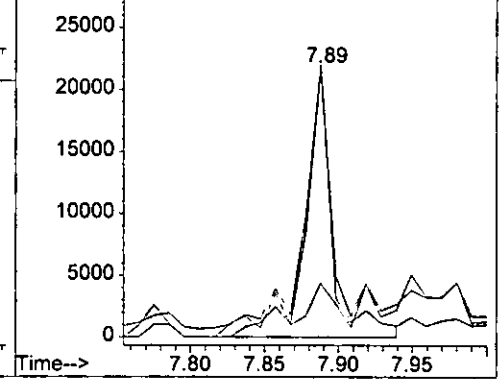
#55
 Fluorene
 Concen: 6.41 ng
 RT: 7.89 min Scan# 584
 Delta R.T. -0.00 min
 Lab File: 4M05738.D
 Acq: 19 Aug 2005 11:46

0635

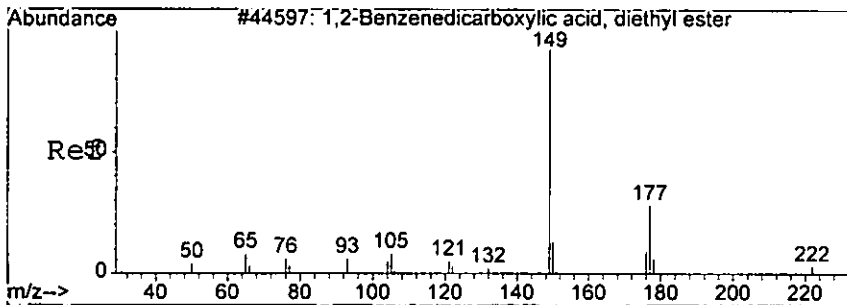
Tgt Ion	166	165	167
Resp:	27163	98.0	20.2
Ratio	100	63.3	0.0
Lower		143.3	54.6
Upper			



Abundance
 Ion 166.00 (165.70 to 166.70): 4M0573
 Ion 165.00 (164.70 to 165.70): 4M0573
 Ion 167.00 (166.70 to 167.70): 4M0573



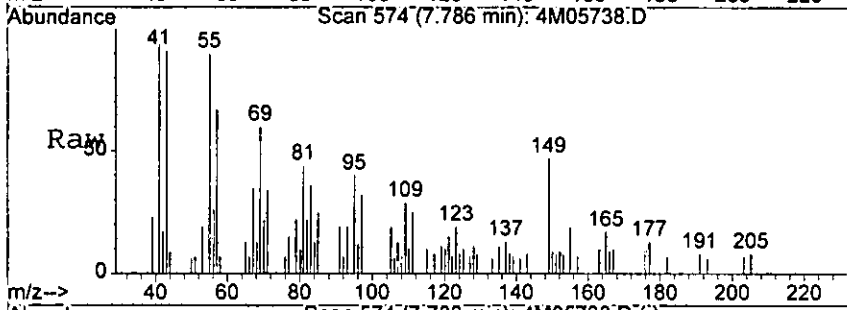
Low



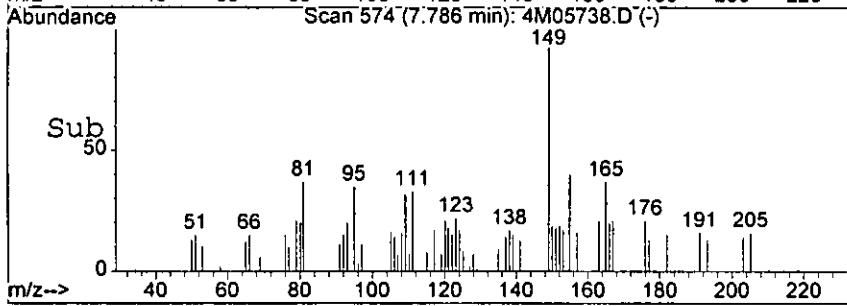
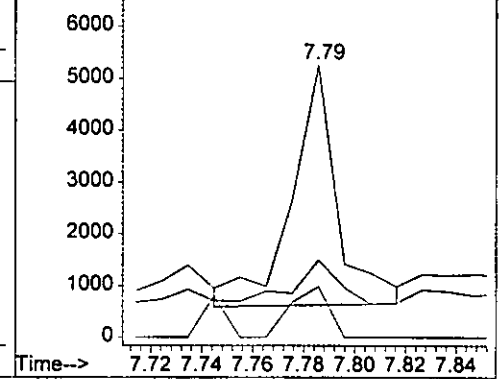
#57
 Diethylphthalate
 Concen: 1.13 ng
 RT: 7.79 min Scan# 574
 Delta R.T. -0.00 min
 Lab File: 4M05738.D
 Acq: 19 Aug 2005 11:46

0536

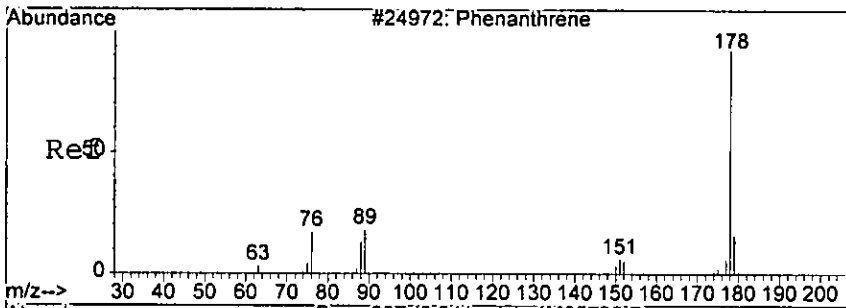
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	5747		
177	19.4		0.0	59.8
150	22.9		0.0	52.2



Abundance Ion 149.00 (148.70 to 149.70): 4M0573
 Ion 177.00 (176.70 to 177.70): 4M0573
 Ion 150.00 (149.70 to 150.70): 4M0573



low

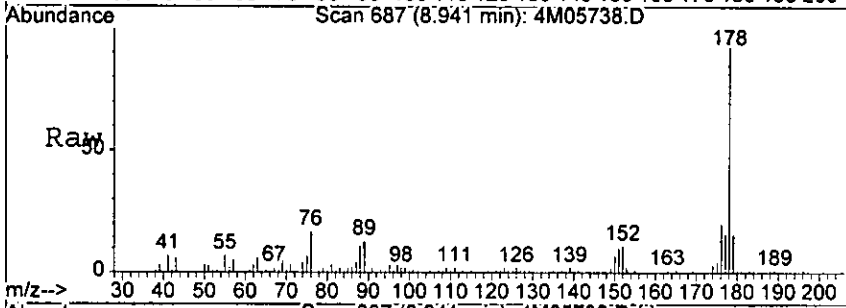


#67
 Phenanthrene
 Concen: 45.52 ng
 RT: 8.94 min Scan# 687
 Delta R.T. -0.00 min
 Lab File: 4M05738.D
 Acq: 19 Aug 2005 11:46

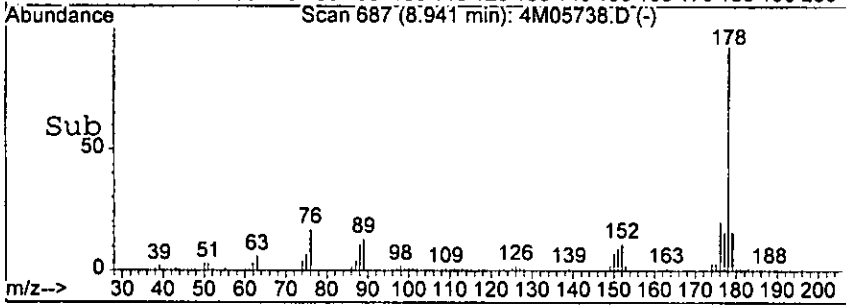
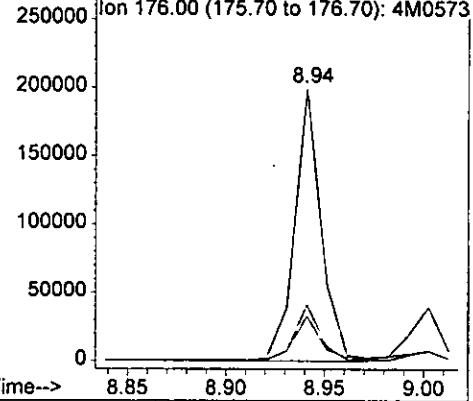
0537

Tgt Ion: 178 Resp: 187153

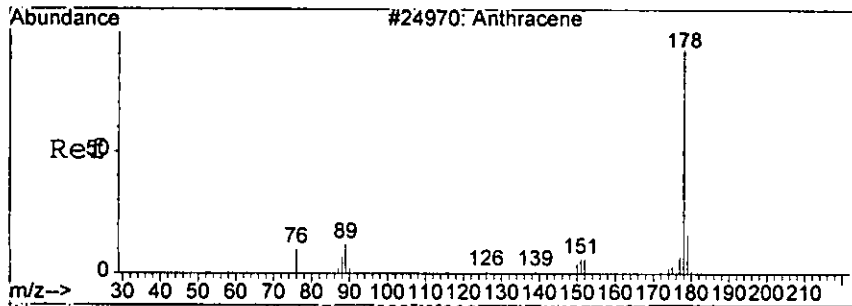
Ion	Ratio	Lower	Upper
178	100		
179	16.0	0.0	56.6
176	20.4	0.0	60.5



Abundance Ion 178.00 (177.70 to 178.70): 4M0573
 Ion 179.00 (178.70 to 179.70): 4M0573
 Ion 176.00 (175.70 to 176.70): 4M0573



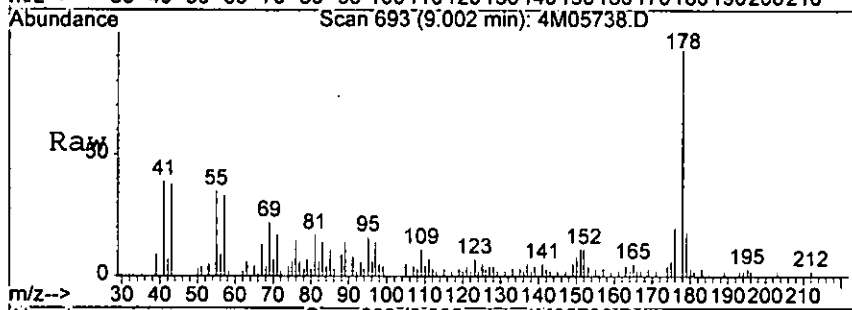
Low



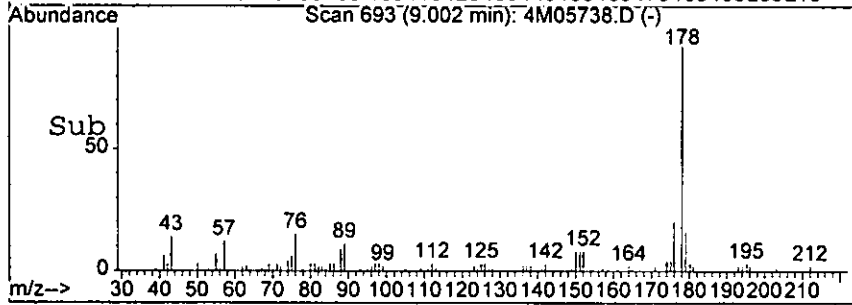
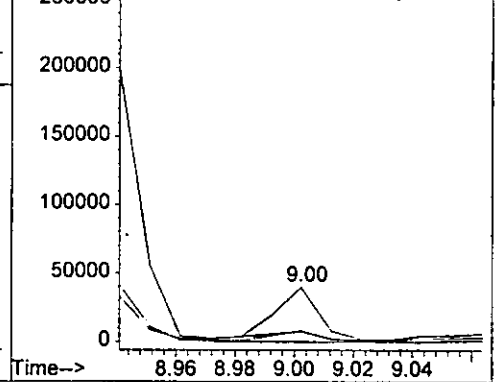
#68
 Anthracene
 Concen: 10.71 ng
 RT: 9.00 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: 4M05738.D
 Acq: 19 Aug 2005 11:46

0638

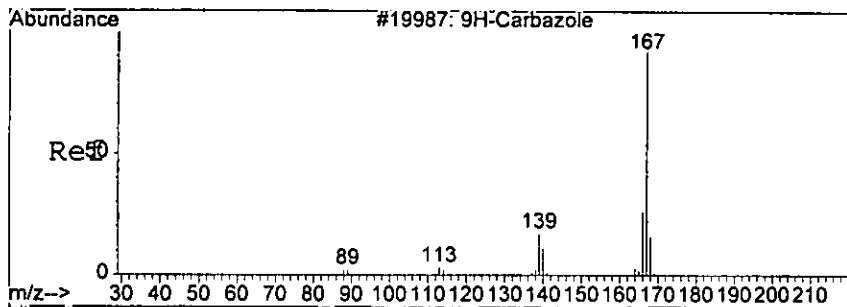
Tgt Ion	178	Resp	44278
Ion Ratio	100	Lower	Upper
179	14.8	0.0	56.6
176	21.1	0.0	60.2



Abundance Ion 178.00 (177.70 to 178.70): 4M0573
 Ion 179.00 (178.70 to 179.70): 4M0573
 Ion 176.00 (175.70 to 176.70): 4M0573

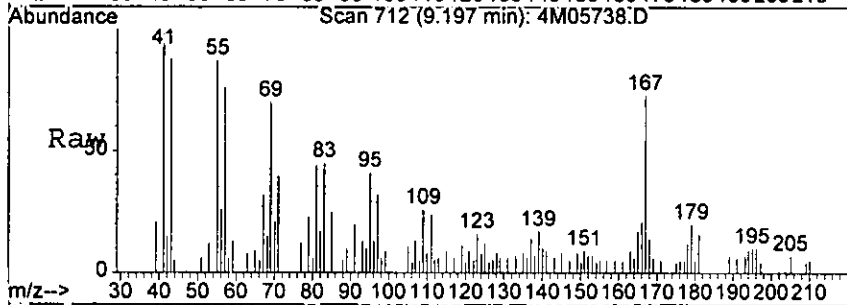


Handwritten signature



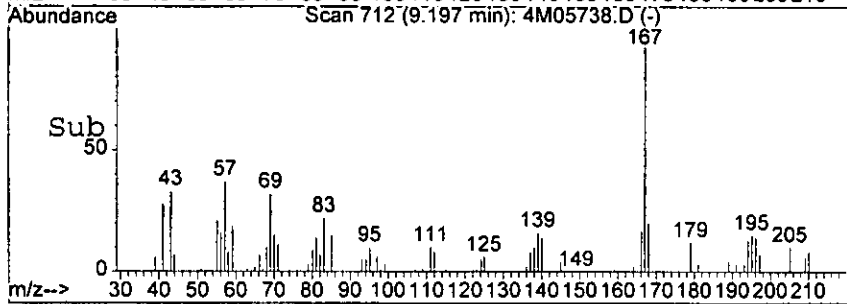
#69
 Carbazole
 Concen: 4.54 ng
 RT: 9.20 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: 4M05738.D
 Acq: 19 Aug 2005 11:46

0639

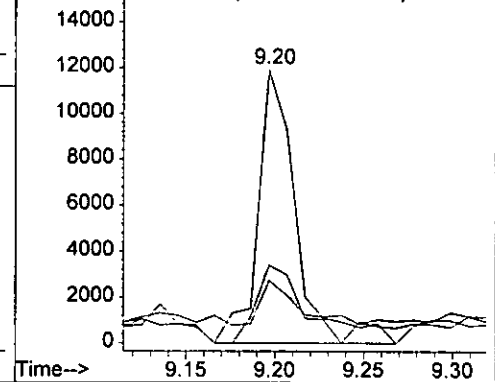


Tgt Ion: 167 Resp: 18180

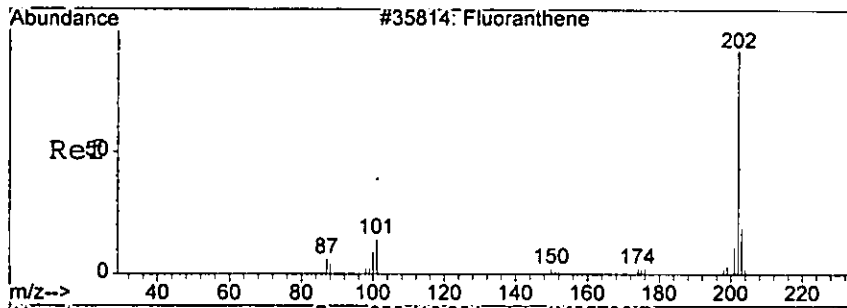
Ion	Ratio	Lower	Upper
167	100		
166	28.6	4.9	44.9
139	14.8	0.0	33.9



Abundance Ion 167.10 (166.80 to 167.80): 4M0573
 16000 Ion 166.20 (165.90 to 166.90): 4M0573
 Ion 139.05 (138.75 to 139.75): 4M0573



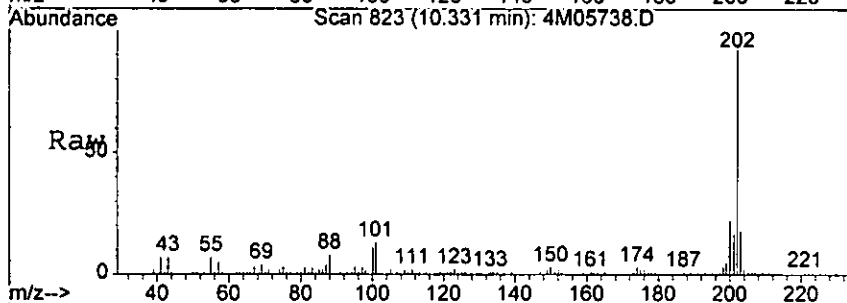
Car



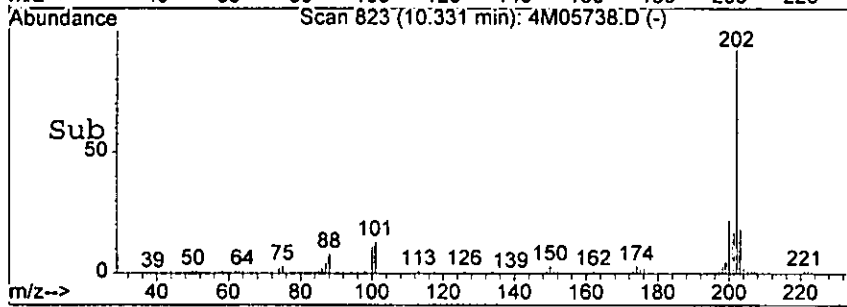
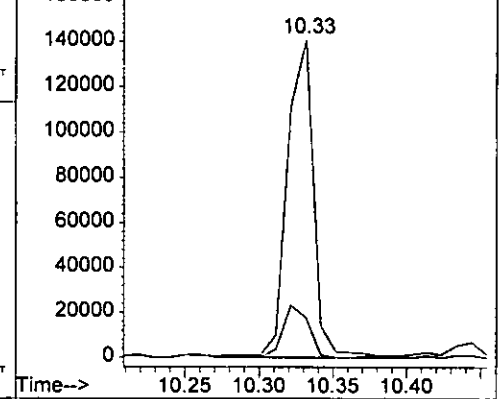
#71
 Fluoranthene
 Concen: 39.58 ng
 RT: 10.33 min Scan# 823
 Delta R.T. 0.01 min
 Lab File: 4M05738.D
 Acq: 19 Aug 2005 11:46

DEAD

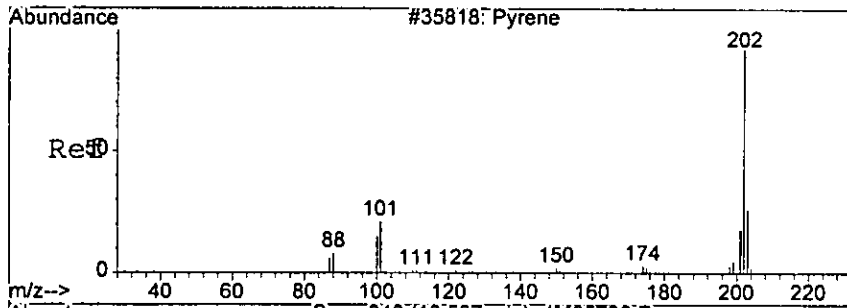
Tgt Ion: 202 Resp: 176468
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 58.3



Abundance Ion 202.00 (201.70 to 202.70): 4M0573
 Ion 101.00 (100.70 to 101.70): 4M0573

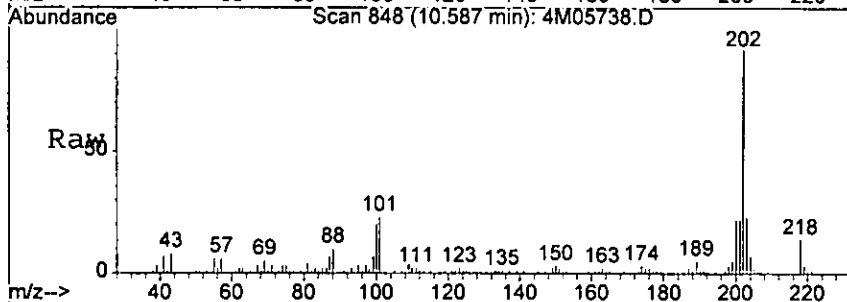


hour



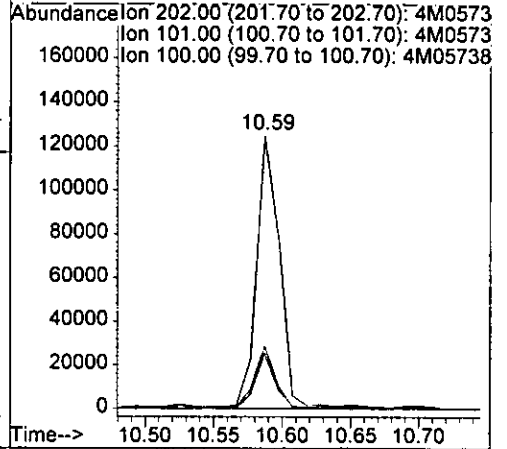
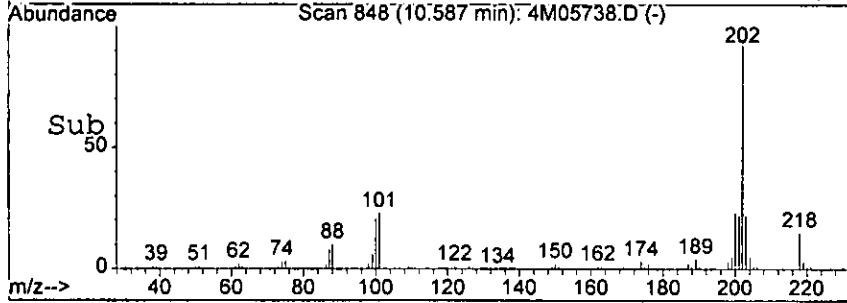
#73
 Pyrene
 Concen: 79.13 ng
 RT: 10.59 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: 4M05738.D
 Acq: 19 Aug 2005 11:46

0641
 1790

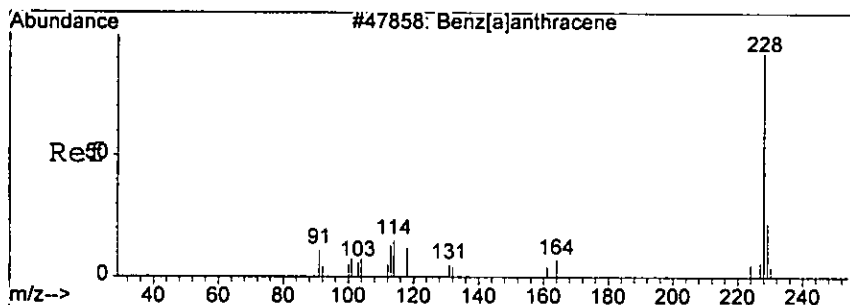


Tgt Ion: 202 Resp: 148068

Ion	Ratio	Lower	Upper
202	100		
101	23.0	0.0	62.7
100	20.5	0.0	60.5

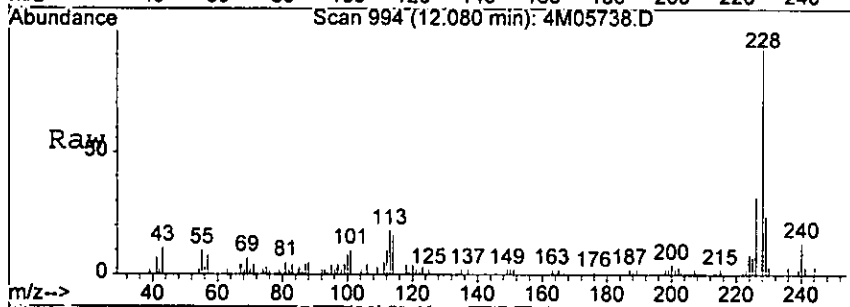


Handwritten signature

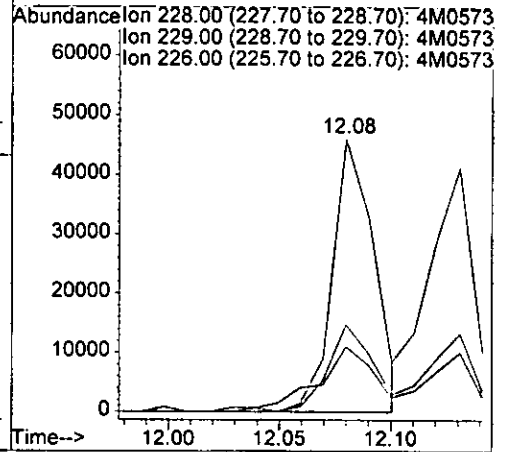
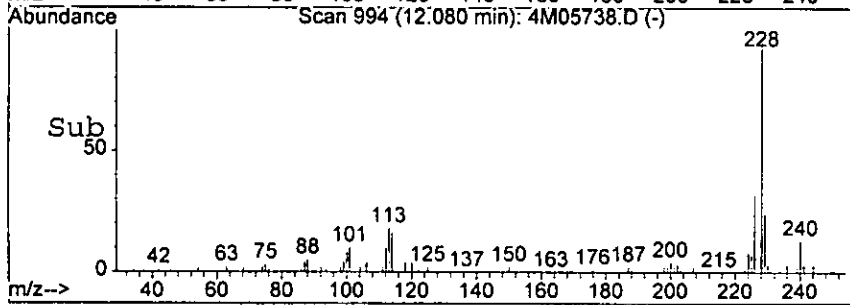


#78
 Benzo[a]anthracene
 Concen: 35.28 ng
 RT: 12.08 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: 4M05738.D
 Acq: 19 Aug 2005 11:46

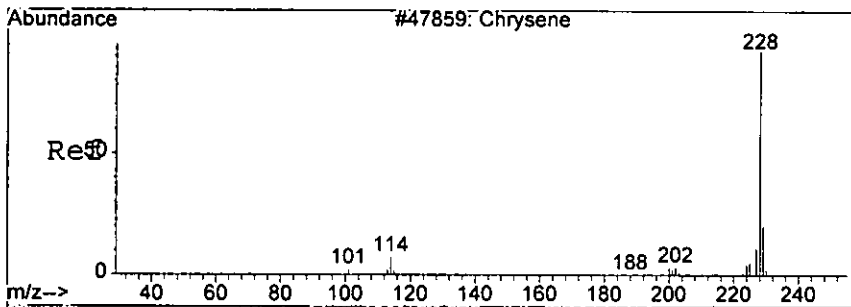
0542



Tgt Ion	Resp	Lower	Upper
228	60352	100	
229	23.9	0.0	60.5
226	32.2	0.0	69.0



Handwritten signature

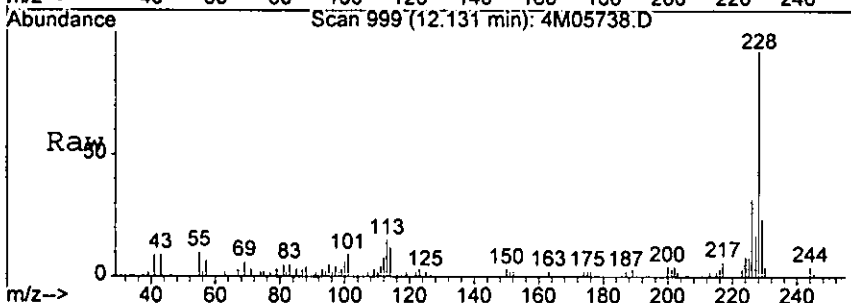


#79
 Chrysene
 Concen: 36.66 ng
 RT: 12.13 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: 4M05738.D
 Acq: 19 Aug 2005 11:46

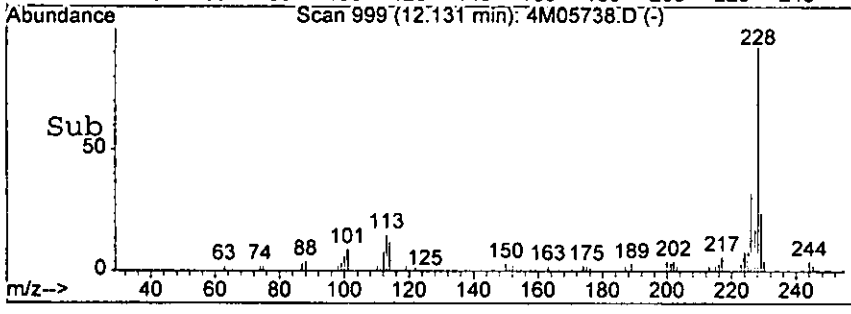
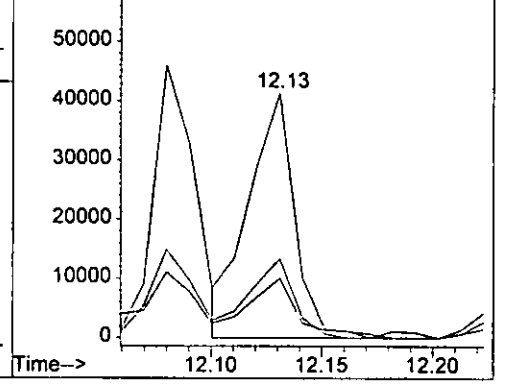
0543
 1798

Tgt Ion: 228 Resp: 59650

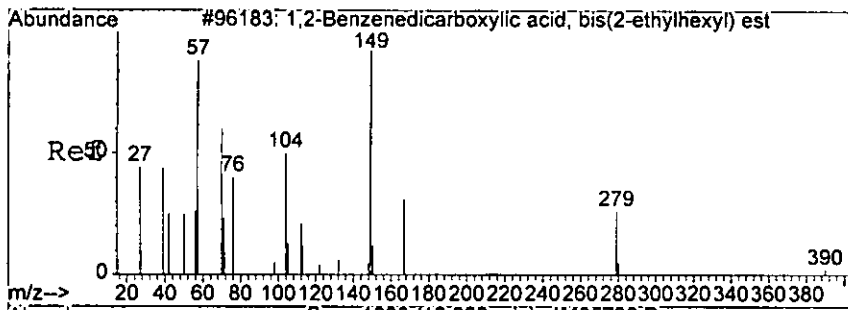
Ion	Ratio	Lower	Upper
228	100		
226	32.2	12.0	52.0
229	21.5	0.0	61.1



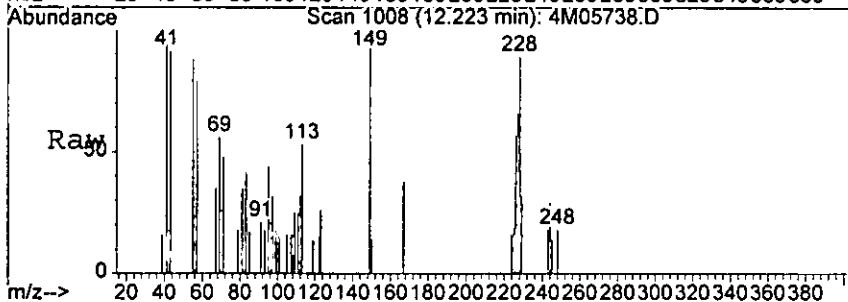
Abundance Ion 228.00 (227.70 to 228.70): 4M0573
 Ion 226.00 (225.70 to 226.70): 4M0573
 Ion 229.00 (228.70 to 229.70): 4M0573



Handwritten signature

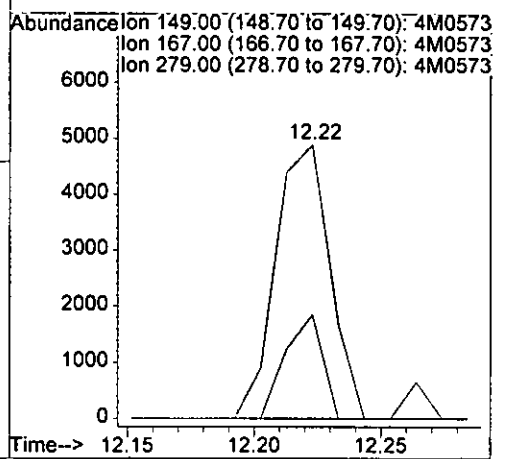
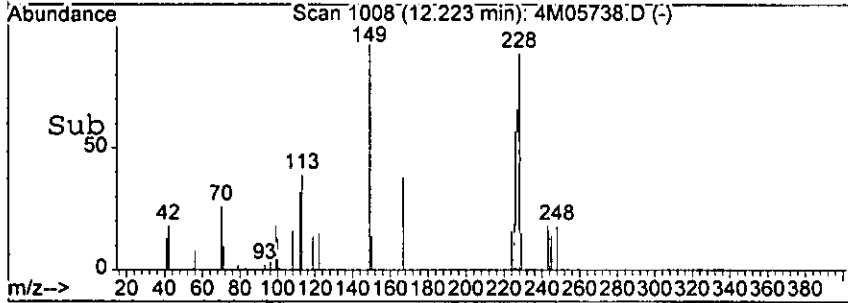


#80
 bis(2-Ethylhexyl)phthalate
 Concen: 5.17 ng
 RT: 12.22 min Scan# 1008
 Delta R.T. -0.00 min
 Lab File: 4M05738.D
 Acq: 19 Aug 2005 11:46

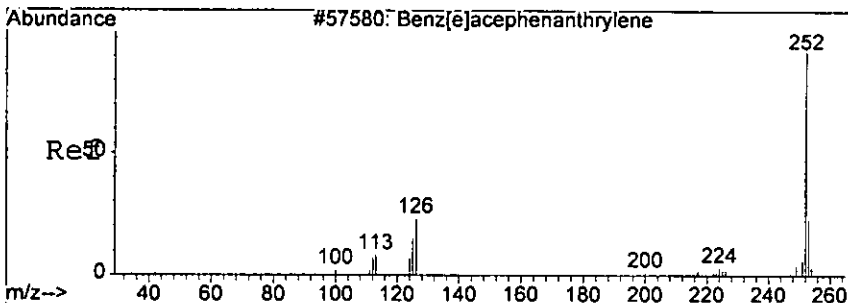


Tgt Ion: 149 Resp: 7271

Ion	Ratio	Lower	Upper
149	100		
167	37.8	0.0	53.9
279	0.0	0.0	43.5



Handwritten signature

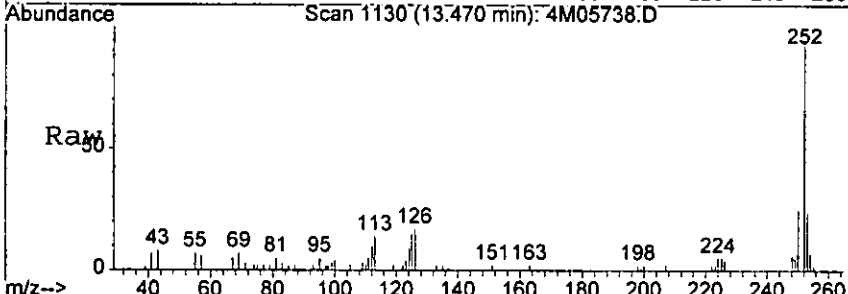


#83
 Benzo [b] fluoranthene
 Concen: 47.83 ng m
 RT: 13.47 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: 4M05738.D
 Acq: 19 Aug 2005 11:46

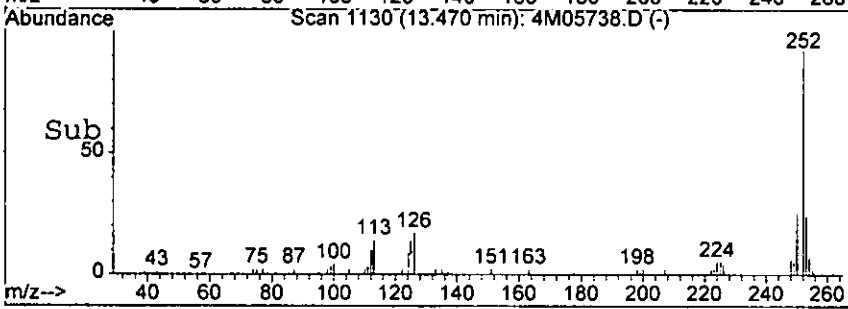
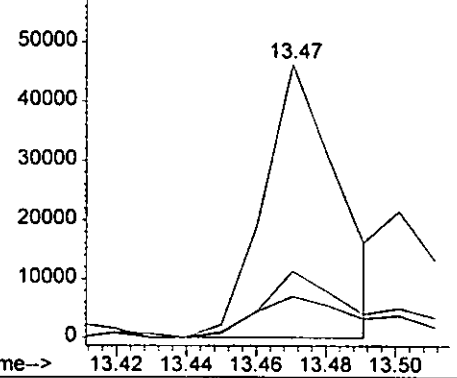
0645
 5790

Tgt Ion: 252 Resp: 70139

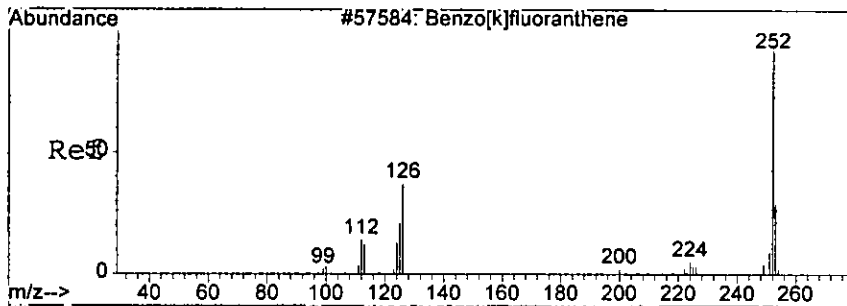
Ion	Ratio	Lower	Upper
252	100		
253	24.4	0.0	63.3
125	15.1	0.0	57.6



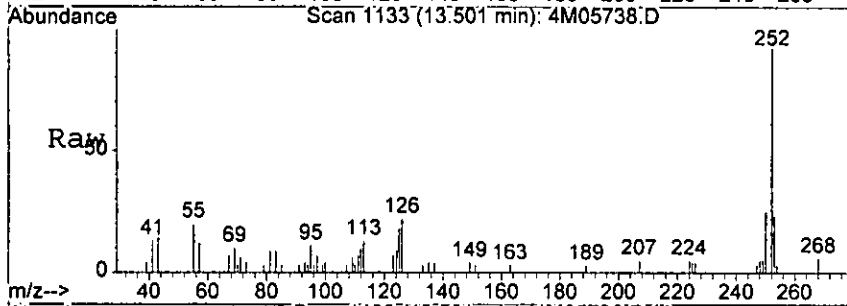
Abundance Ion 252.00 (251.70 to 252.70): 4M0573
 Ion 253.00 (252.70 to 253.70): 4M0573
 Ion 125.00 (124.70 to 125.70): 4M0573



Handwritten signature

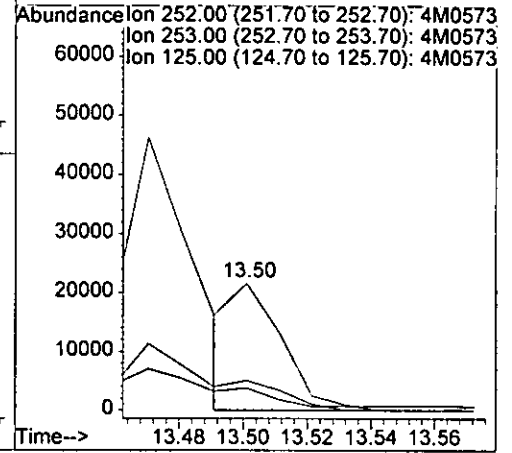
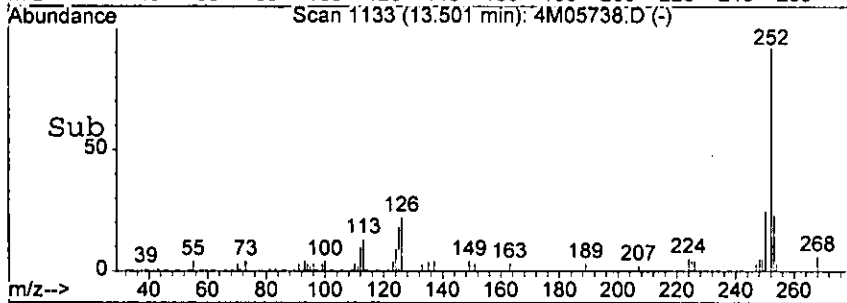


#84
 Benzo [k] fluoranthene
 Concen: 17.94 ng m
 RT: 13.50 min Scan# 1133
 Delta R.T. -0.00 min
 Lab File: 4M05738.D
 Acq: 19 Aug 2005 11:46

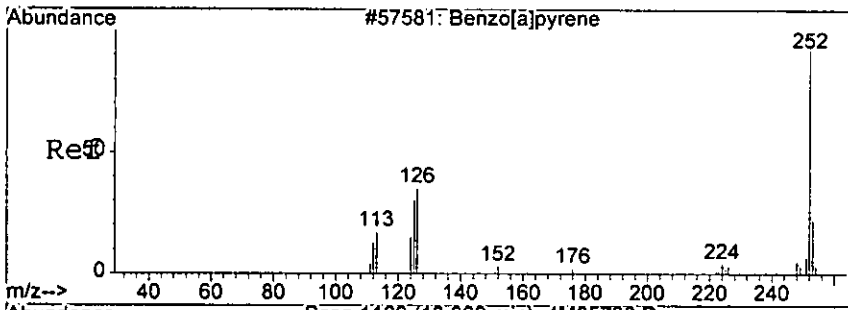


Tgt Ion: 252 Resp: 23428

Ion	Ratio	Lower	Upper
252	100		
253	23.3	0.0	63.5
125	17.6	0.0	53.8



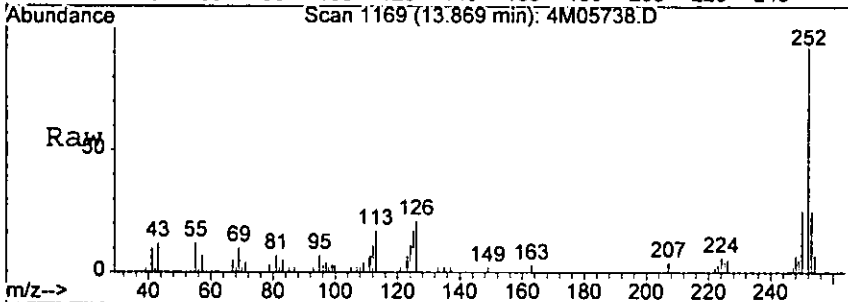
hpr



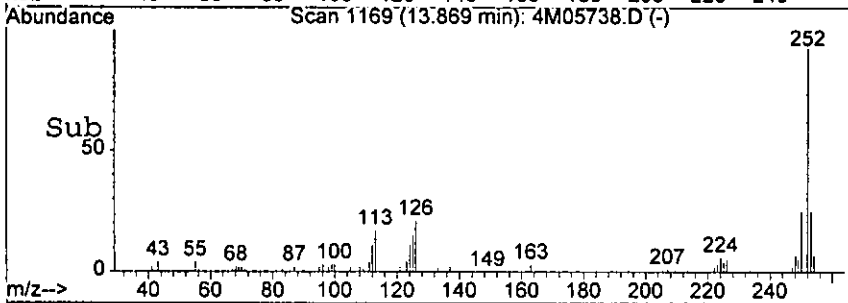
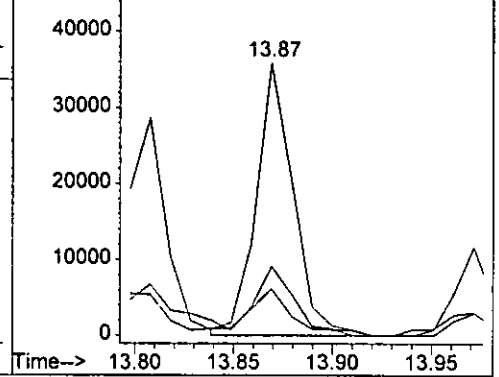
#85
 Benzo[a]pyrene
 Concn: 35.18 ng
 RT: 13.87 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: 4M05738.D
 Acq: 19 Aug 2005 11:46

0647

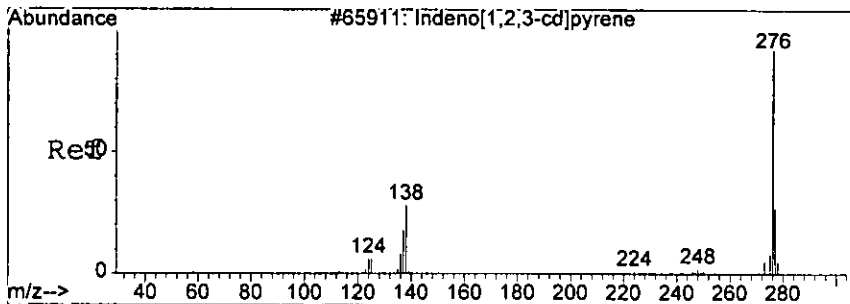
Tgt Ion	Resp	Lower	Upper
252	46538	100	
253	25.2	0.0	62.9
125	17.1	0.0	57.6



Abundance
 Ion 252.00 (251.70 to 252.70): 4M0573
 Ion 253.00 (252.70 to 253.70): 4M0573
 Ion 125.00 (124.70 to 125.70): 4M0573

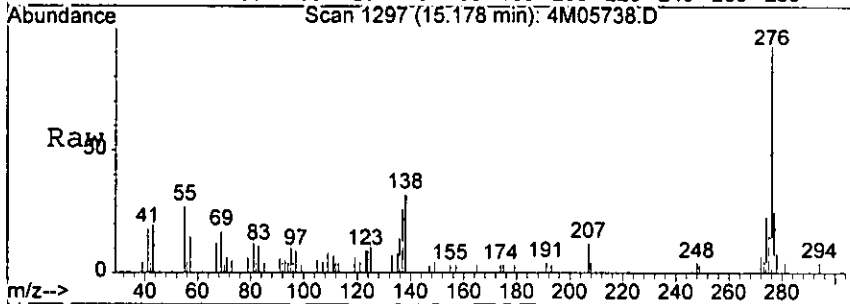


Handwritten signature

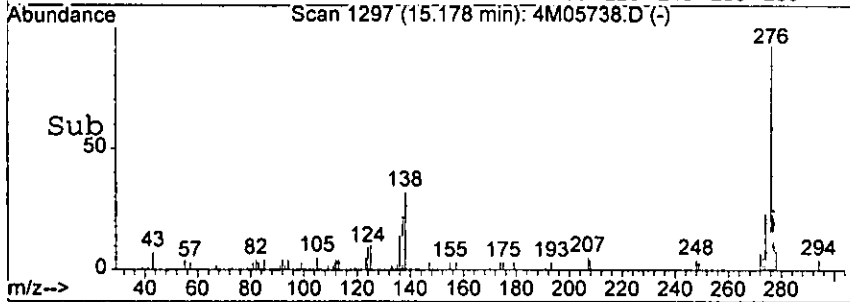
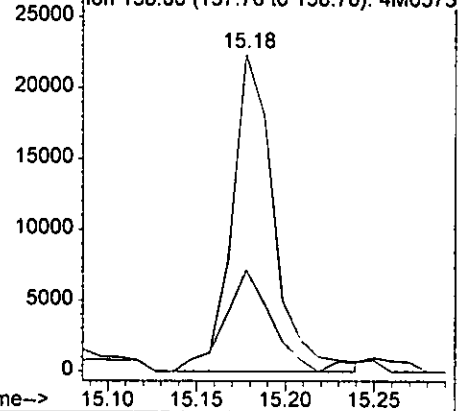


#86
 Indeno[1,2,3-cd]pyrene
 Concen: 23.27 ng
 RT: 15.18 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: 4M05738.D
 Acq: 19 Aug 2005 11:46

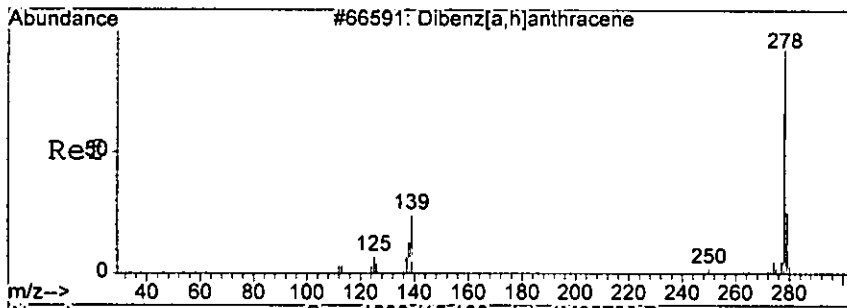
Tgt Ion: 276 Resp: 36932
 Ion Ratio Lower Upper
 276 100
 138 31.9 0.0 73.4



Abundance Ion 276.00 (275.70 to 276.70): 4M0573
 Ion 138.00 (137.70 to 138.70): 4M0573

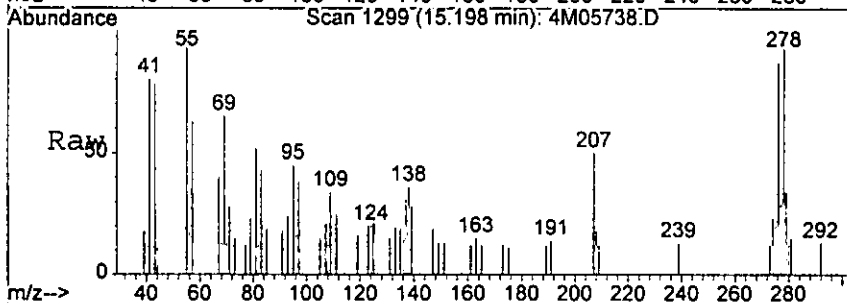


Handwritten signature

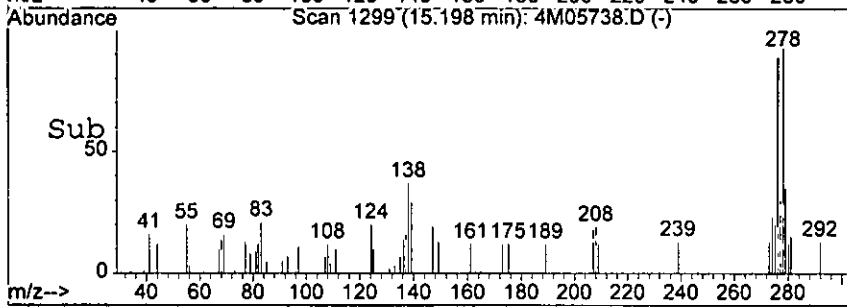
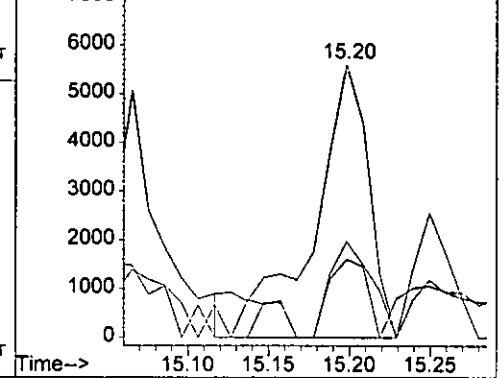


#87
 Dibenzo[a,h]anthracene
 Concen: 11.00 ng
 RT: 15.20 min Scan# 1299
 Delta R.T. -0.00 min
 Lab File: 4M05738.D
 Acq: 19 Aug 2005 11:46

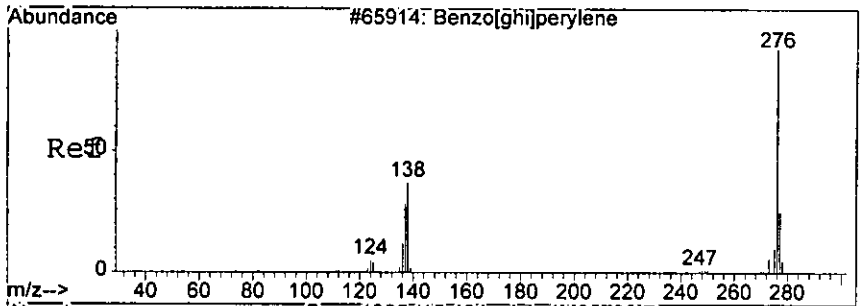
Tgt Ion	Resp	Lower	Upper
278	13636		
278	100		
139	28.7	0.0	63.8
279	35.2	0.0	64.0



Abundance
 Ion 278.00 (277.70 to 278.70): 4M0573
 Ion 139.00 (138.70 to 139.70): 4M0573
 Ion 279.00 (278.70 to 279.70): 4M0573

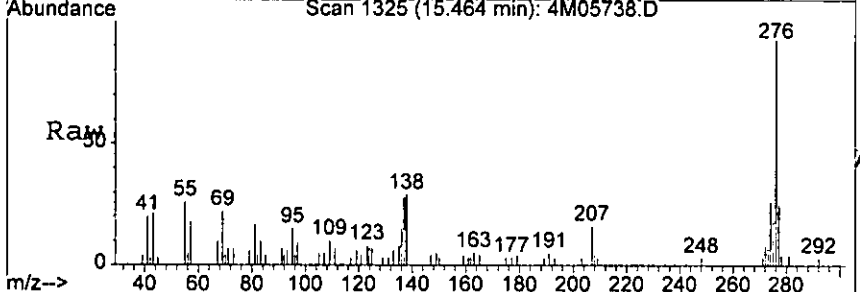


Handwritten signature

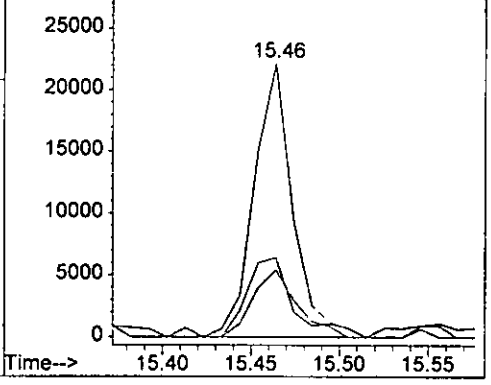


#88
 Benzo[g,h,i]perylene
 Concen: 25.74 ng
 RT: 15.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: 4M05738.D
 Acq: 19 Aug 2005 11:46

Tgt Ion	276	138	277	Resp	33654	Lower	Upper
Ion Ratio	100	28.9	24.6				
		0.0	0.0				
		74.1	65.0				



Abundance Ion 276.00 (275.70 to 276.70): 4M0573
 Ion 138.00 (137.70 to 138.70): 4M0573
 Ion 277.00 (276.70 to 277.70): 4M0573



Handwritten signature

Form1

ORGANICS SEMIVOLATILE REPORT

0851

Sample Number: AC19099-011
 Client Id: PCSB - 59 (5.5)
 Data File: 4M05720.D
 Analysis Date: 08/18/05 19:59
 Date Rec/Extracted: 08/16/05-08/17/05

Matrix: Soil
 Initial Vol: 30g
 Final Vol: 1ml
 Dilution: 1
 Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.010	U	205-99-2	Benzo[b]fluoranthene	0.011	2.7
95-50-1	1,2-Dichlorobenzene	0.017	U	191-24-2	Benzo[g,h,i]perylene	0.0072	0.98
122-66-7	1,2-Diphenylhydrazine	0.011	U	207-08-9	Benzo[k]fluoranthene	0.012	1.1
541-73-1	1,3-Dichlorobenzene	0.016	U	111-91-1	bis(2-Chloroethoxy)methan	0.0086	U
106-46-7	1,4-Dichlorobenzene	0.019	U	111-44-4	bis(2-Chloroethyl)ether	0.020	U
95-95-4	2,4,5-Trichlorophenol	0.51	U	108-60-1	bis(2-chloroisopropyl)ether	0.012	U
88-06-2	2,4,6-Trichlorophenol	0.92	U	117-81-7	bis(2-Ethylhexyl)phthalat	0.034	1.3
120-83-2	2,4-Dichlorophenol	0.061	U	85-68-7	Butylbenzylphthalate	0.015	U
105-67-9	2,4-Dimethylphenol	0.052	U	86-74-8	Carbazole	0.011	0.51
51-28-5	2,4-Dinitrophenol	0.26	U	218-01-9	Chrysene	0.0078	2.1
121-14-2	2,4-Dinitrotoluene	0.014	U	84-74-2	Di-n-butylphthalate	0.0085	0.047 B
606-20-2	2,6-Dinitrotoluene	0.016	U	117-84-0	Di-n-octylphthalate	0.0089	U
91-58-7	2-Chloronaphthalene	0.010	U	53-70-3	Dibenzo[a,h]anthracene	0.013	0.43
95-57-8	2-Chlorophenol	0.077	U	132-64-9	Dibenzofuran	0.048	0.56
91-57-6	2-Methylnaphthalene	0.049	0.37	84-66-2	Diethylphthalate	0.010	U
95-48-7	2-Methylphenol	0.18	U	131-11-3	Dimethylphthalate	0.0086	U
88-74-4	2-Nitroaniline	0.027	U	206-44-0	Fluoranthene	0.011	3.7
88-75-5	2-Nitrophenol	0.044	U	86-73-7	Fluorene	0.0096	0.90
106-44-5	3&4-Methylphenol	0.20	U	118-74-1	Hexachlorobenzene	0.018	U
91-94-1	3,3'-Dichlorobenzidine	0.083	U	87-68-3	Hexachlorobutadiene	0.016	U
99-09-2	3-Nitroaniline	0.16	U	77-47-4	Hexachlorocyclopentadiene	0.10	U
534-52-1	4,6-Dinitro-2-methylphenol	0.072	U	67-72-1	Hexachloroethane	0.028	U
101-55-3	4-Bromophenyl-phenylether	0.015	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.0052	0.92
59-50-7	4-Chloro-3-methylphenol	0.096	U	78-59-1	Isophorone	0.012	U
106-47-8	4-Chloroaniline	0.29	U	621-64-7	N-Nitroso-di-n-propylamine	0.018	U
7005-72-3	4-Chlorophenyl-phenylether	0.018	U	62-75-9	N-Nitrosodimethylamine	0.45	U
100-01-6	4-Nitroaniline	0.093	U	86-30-6	n-Nitrosodiphenylamine	0.018	U
100-02-7	4-Nitrophenol	0.067	U	91-20-3	Naphthalene	0.0089	0.39
83-32-9	Acenaphthene	0.016	0.38	98-95-3	Nitrobenzene	0.015	U
208-96-8	Acenaphthylene	0.0088	0.28	87-86-5	Pentachlorophenol	0.047	U
120-12-7	Anthracene	0.0099	1.1	85-01-8	Phenanthrene	0.0087	4.3
92-87-5	Benzidine	0.086	U	108-95-2	Phenol	0.058	U
56-55-3	Benzo[a]anthracene	0.0066	2.0	129-00-0	Pyrene	0.0088	5.8
50-32-8	Benzo[a]pyrene	0.0087	1.8				

Worksheet #: 18797

Total Target Concentration 31.667

U - Indicates the compound was analyzed but not detected.
 B - Indicates the analyte was found in the blank as well as in the sample.
 E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
 J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

082521

Data File : G:\GcMsData\2005\Gcms_4\Data\08-18-05\4M05720.D Vial: 22
 Acq On : 18 Aug 2005 19:59 Operator: AHD
 Sample : AC19099-011 Inst : GCMS_4
 Misc : S,BNA Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:23 2005 Quant Results File: 4M_0818.RES

Quant Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration
 DataAcq Meth : 4M_0818

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	4.78	152	64961	40.00	ng	0.00
19) Naphthalene-d8	5.78	136	215525	40.00	ng	0.00
35) Acenaphthene-d10	7.32	164	119011	40.00	ng	0.00
59) Phenanthrene-d10	8.92	188	208249	40.00	ng	0.00
72) Chrysene-d12	12.11	240	83694	40.00	ng	0.02
81) Perylene-d12	13.95	264	42906	40.00	ng	0.02

System Monitoring Compounds

4) 2-Fluorophenol	3.62	112	241576	134.46	ng	0.00
Spiked Amount	200.000		Recovery	=	67.23%	
7) Phenol-d5	4.51	99	334616	147.45	ng	0.00
Spiked Amount	200.000		Recovery	=	73.72%	
20) Nitrobenzene-d5	5.23	128	73575	73.85	ng	0.00
Spiked Amount	100.000		Recovery	=	73.85%	
40) 2-Fluorobiphenyl	6.69	172	256524	68.23	ng	0.00
Spiked Amount	100.000		Recovery	=	68.23%	
62) 2,4,6-Tribromophenol	8.16	332	122009	144.71	ng	0.02
Spiked Amount	200.000		Recovery	=	72.36%	
75) Terphenyl-d14	10.82	244	241941	123.09	ng	0.00
Spiked Amount	100.000		Recovery	=	123.09%	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
29) Naphthalene	5.79	128	52170	10.22	ng	99
33) 2-Methylnaphthalene	6.36	142	33720	9.75	ng	95
46) Acenaphthylene	7.19	152	39358	7.45	ng	95
49) Acenaphthene	7.35	153	33050	10.02	ng	96
52) Dibenzofuran	7.54	168	69862	14.85	ng	100
55) Fluorene	7.90	166	84492	23.74	ng	97
67) Phenanthrene	8.96	178	609471	112.44	ng	99
68) Anthracene	9.01	178	153597	28.17	ng	99
69) Carbazole	9.21	167	70665	13.38	ng	98
70) Di-n-butylphthalate	9.66	149	8965	1.23	ng	72
71) Fluoranthene	10.34	202	569668	96.92	ng	96
73) Pyrene	10.61	202	438548	152.92	ng	87
78) Benzo[a]anthracene	12.10	228	141803	54.09	ng	99
79) Chrysene	12.14	228	140807	56.47	ng	98
80) bis(2-Ethylhexyl)phthalate	12.23	149	74578	34.63	ng	96
83) Benzo[b]fluoranthene	13.48	252	111214m	70.57	ng	
84) Benzo[k]fluoranthene	13.51	252	41506m	29.57	ng	
85) Benzo[a]pyrene	13.88	252	67043	47.16	ng	96
86) Indeno[1,2,3-cd]pyrene	15.19	276	41351	24.24	ng	89

(#) = qualifier out of range (m) = manual integration

NR

005314

Data File : G:\GcMsData\2005\Gcms_4\Data\08-18-05\4M05720.D Vial: 200
 Acq On : 18 Aug 2005 19:59 Operator: AHD
 Sample : AC19099-011 Inst : GCMS_4
 Misc : S,BNA Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:23 2005 Quant Results File: 4M_0818.RES

Quant Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration
 DataAcq Meth : 4M_0818

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
87) Dibenzo[a,h]anthracene	15.21	278	14974	11.24	ng	85
88) Benzo[g,h,i]perylene	15.47	276	36158	25.74	ng	95

 (#) = qualifier out of range (m) = manual integration

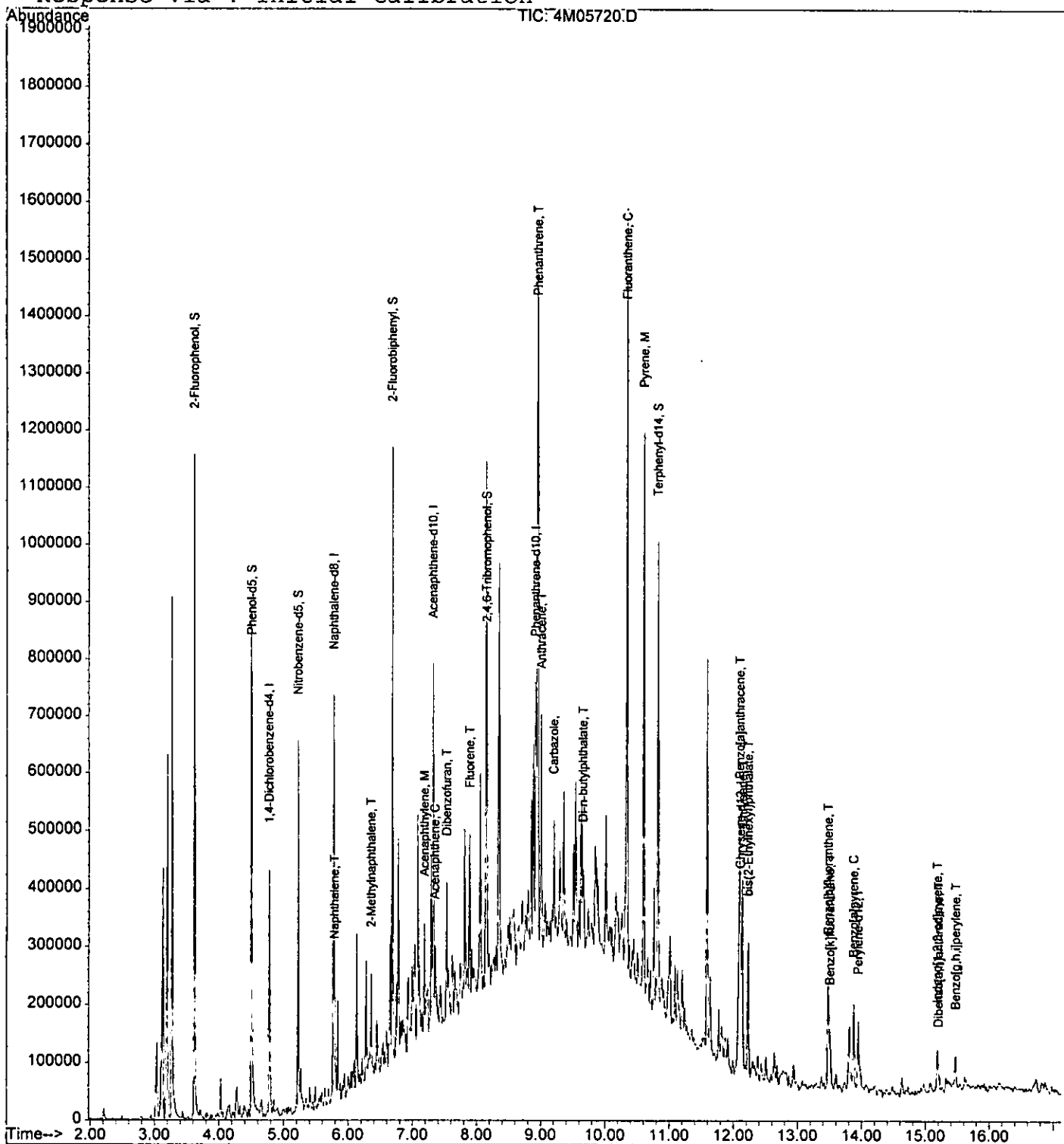
Quantitation Report

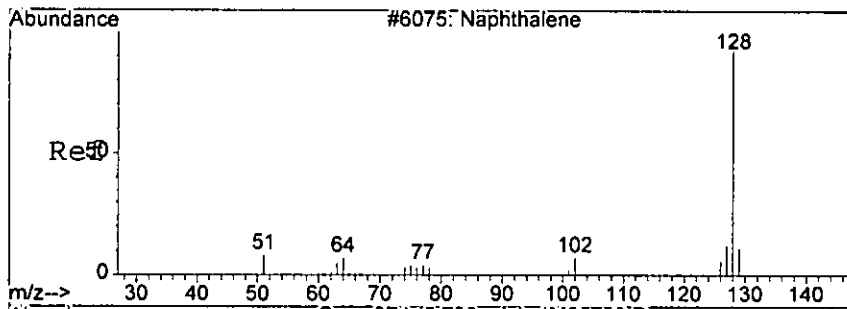
Data File : G:\GcMsData\2005\Gcms_4\Data\08-18-05\4M05720.D
Acq On : 18 Aug 2005 19:59
Sample : AC19099-011
Misc : S,BNA
MS Integration Params: RTEINT.P
Quant Time: Aug 29 16:23 2005

Vial: 200
Operator: AHD
Inst : GCMS_4
Multiplr: 1.00

Quant Results File: 4M_0818.RES

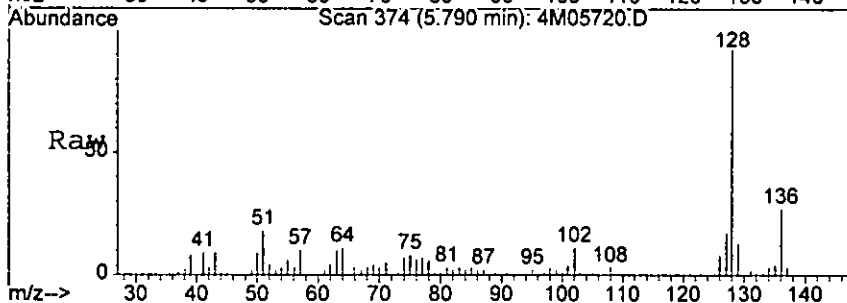
Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
Title : @GCMS_4,mg,625,8270
Last Update : Thu Aug 18 14:49:57 2005
Response via : Initial Calibration





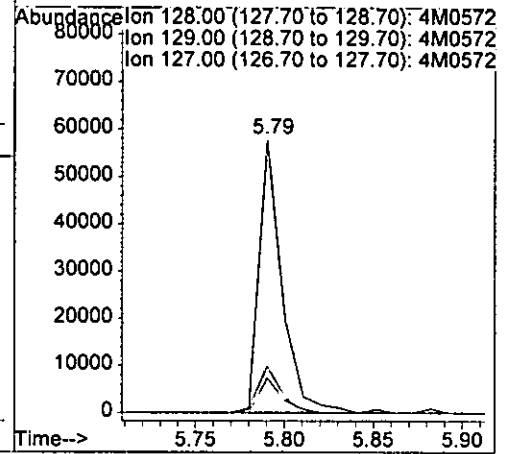
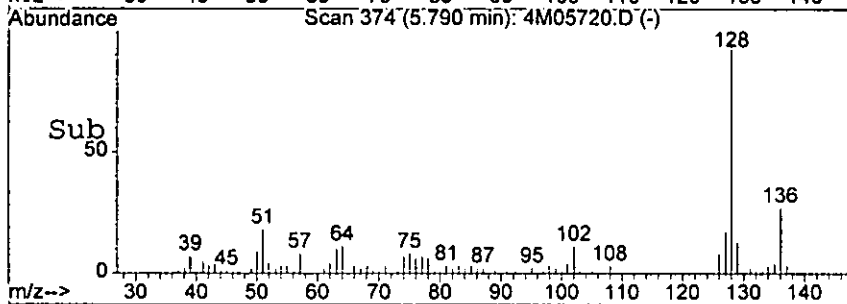
#29
 Naphthalene
 Concen: 10.22 ng
 RT: 5.79 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: 4M05720.D
 Acq: 18 Aug 2005 19:59

0550

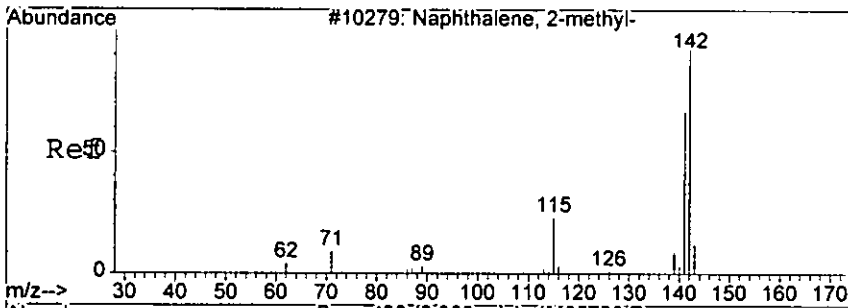


Tgt Ion: 128 Resp: 52170

Ion	Ratio	Lower	Upper
128	100		
129	12.7	0.0	51.8
127	17.0	0.0	57.0



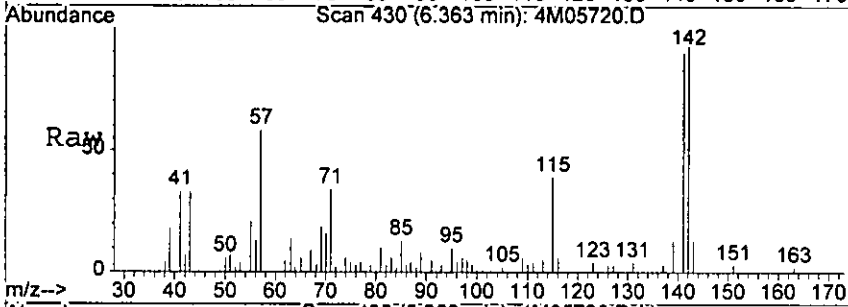
Handwritten signature



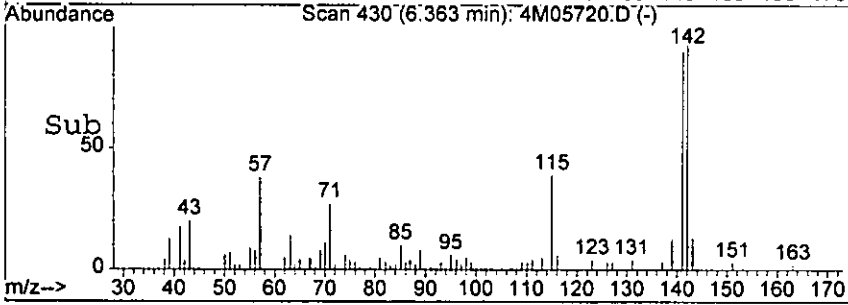
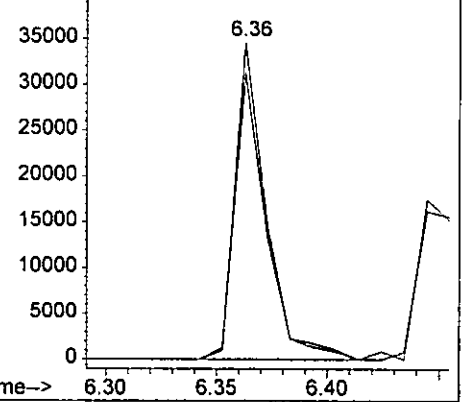
#33
 2-Methylnaphthalene
 Concen: 9.75 ng
 RT: 6.36 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: 4M05720.D
 Acq: 18 Aug 2005 19:59

BESI

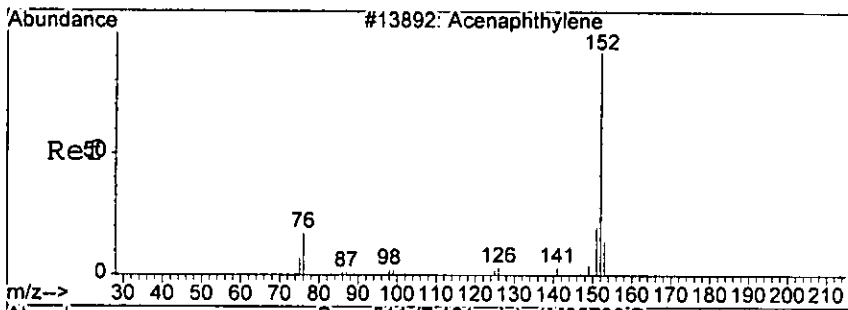
Tgt Ion: 142 Resp: 33720
 Ion Ratio Lower Upper
 142 100
 141 90.4 55.7 135.7



Abundance Ion 142.00 (141.70 to 142.70): 4M0572
 40000 Ion 141.00 (140.70 to 141.70): 4M0572



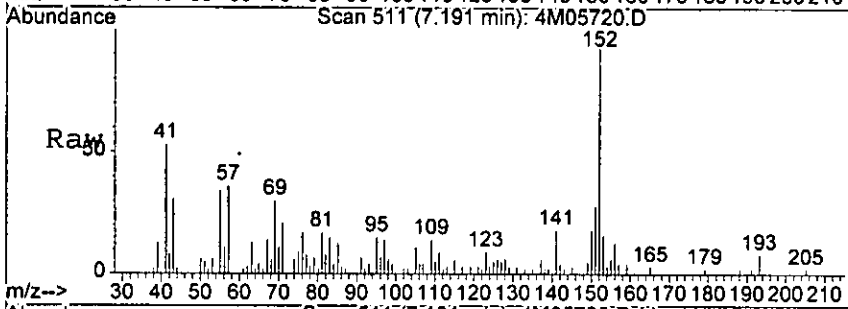
hear



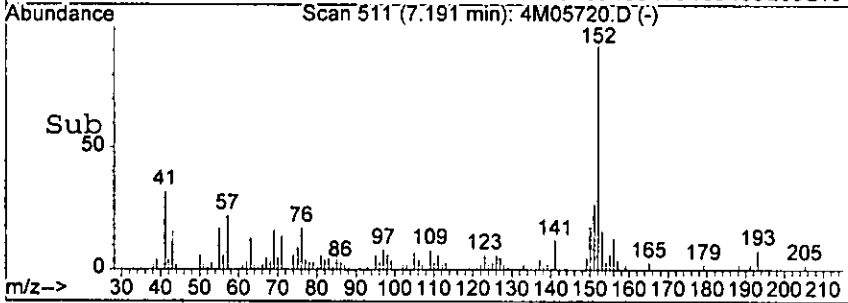
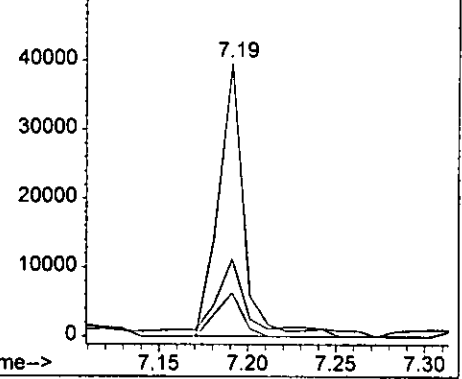
#46
 Acenaphthylene
 Concen: 7.45 ng
 RT: 7.19 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: 4M05720.D
 Acq: 18 Aug 2005 19:59

0557

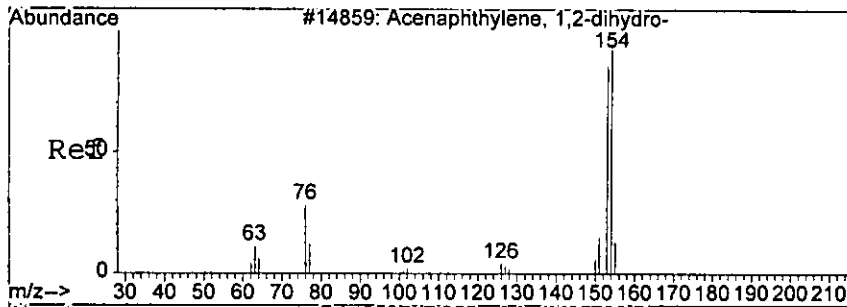
Tgt Ion:	152	151	153	Resp:	39358	Lower	Upper
Ion Ratio	100	26.2	15.8		0.0	0.0	
					63.6	53.8	



Abundance Ion 152.00 (151.70 to 152.70): 4M0572
 Ion 151.00 (150.70 to 151.70): 4M0572
 Ion 153.00 (152.70 to 153.70): 4M0572



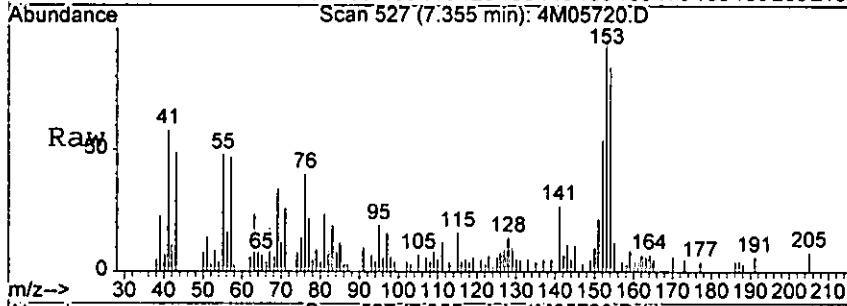
hair



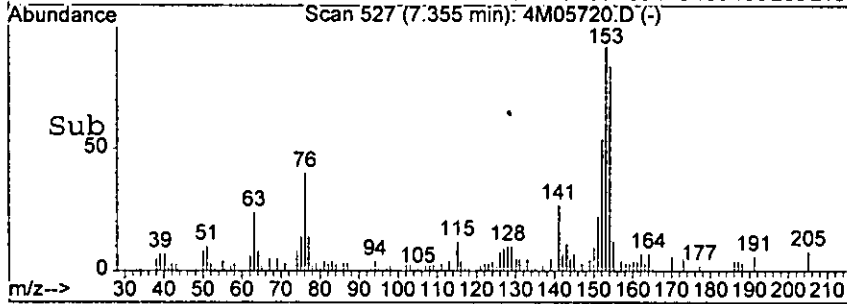
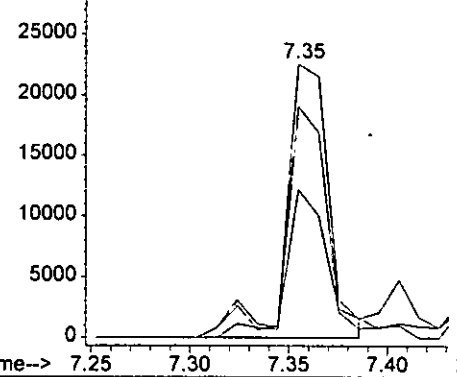
#49
 Acenaphthene
 Concen: 10.02 ng
 RT: 7.35 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: 4M05720.D
 Acq: 18 Aug 2005 19:59

REF

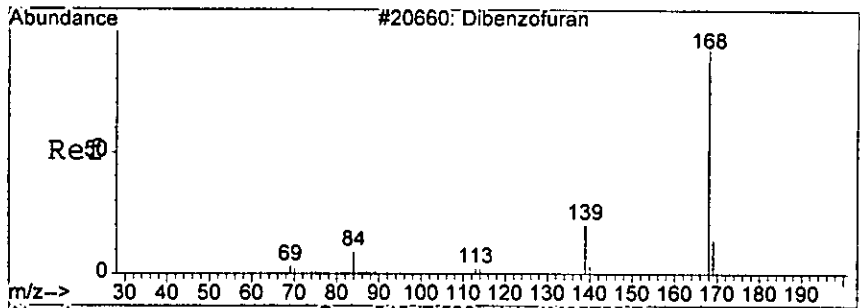
Tgt Ion	153	152	154	Resp	33050	Lower	Upper
Ion Ratio	100	54.1	84.4				
		8.3	45.1				
		88.3	125.1				



Abundance Ion 153.00 (152.70 to 153.70): 4M0572
 Ion 152.00 (151.70 to 152.70): 4M0572
 Ion 154.00 (153.70 to 154.70): 4M0572



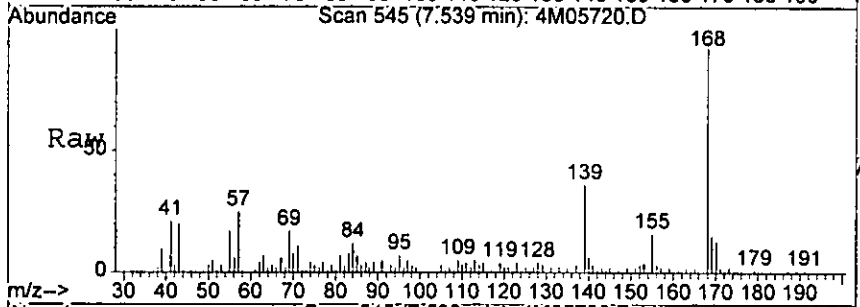
Handwritten signature



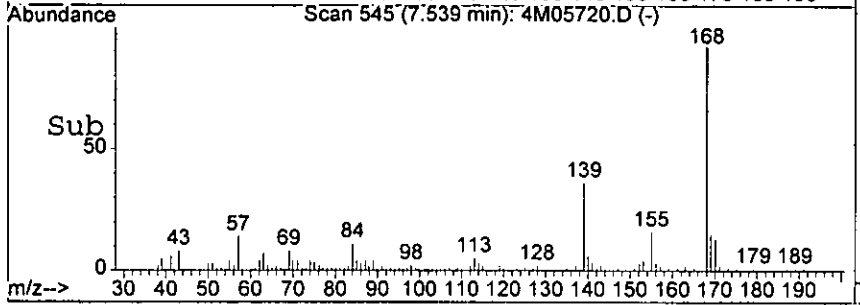
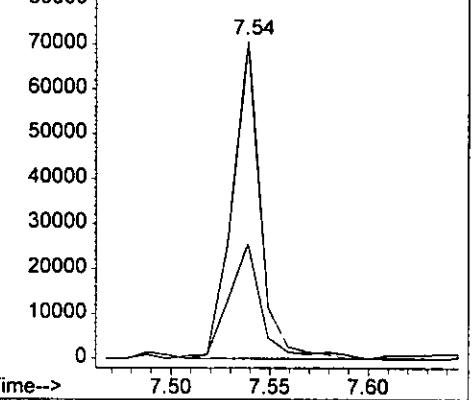
#52
 Dibenzofuran
 Concen: 14.85 ng
 RT: 7.54 min Scan# 545
 Delta R.T. 0.01 min
 Lab File: 4M05720.D
 Acq: 18 Aug 2005 19:59

0659

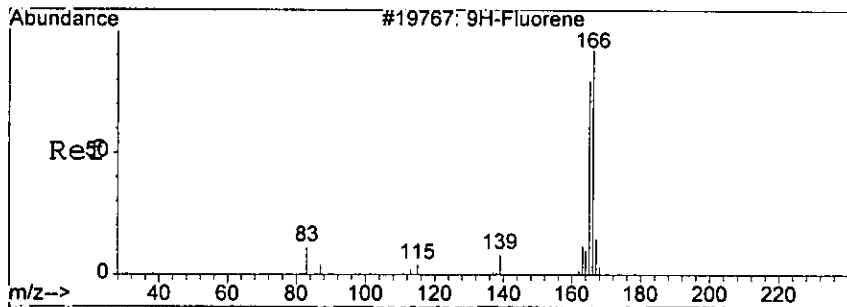
Tgt Ion: 168 Resp: 69862
 Ion Ratio Lower Upper
 168 100
 139 36.2 6.0 66.0



Abundance Ion 168.00 (167.70 to 168.70): 4M0572
 Ion 139.00 (138.70 to 139.70): 4M0572



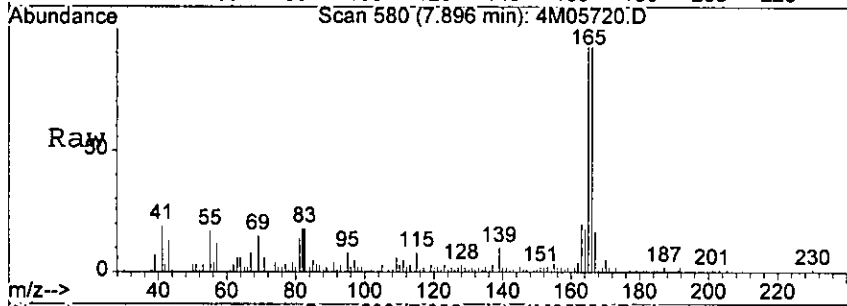
Handwritten signature



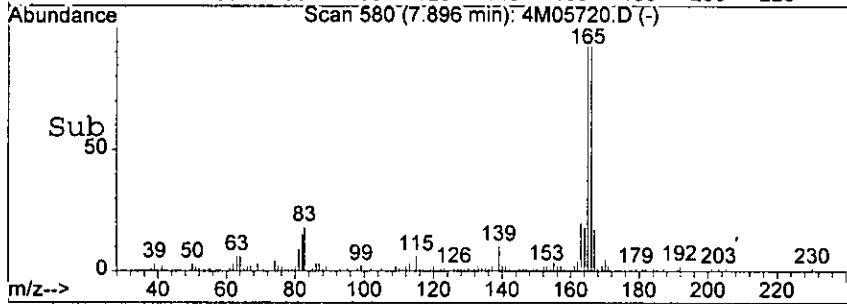
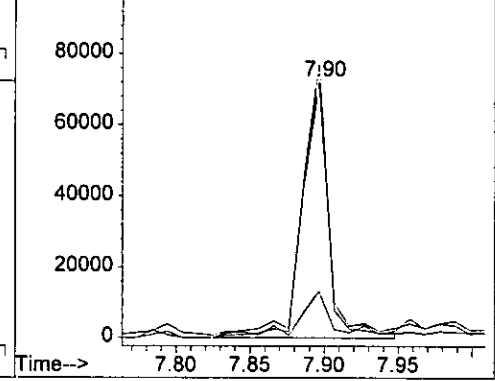
#55
 Fluorene
 Concen: 23.74 ng
 RT: 7.90 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: 4M05720.D
 Acq: 18 Aug 2005 19:59

0650

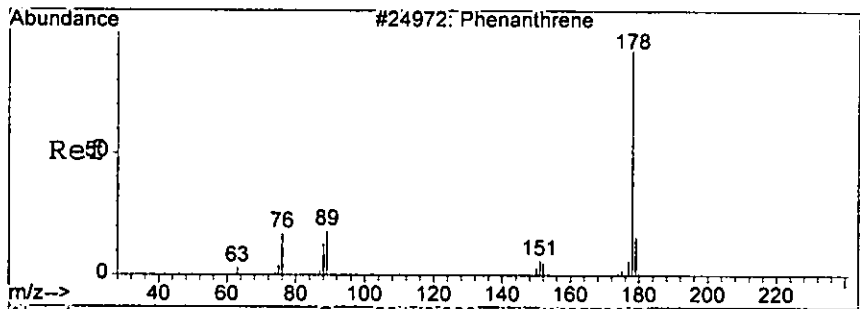
Tgt Ion	Resp	Lower	Upper
166	84492		
165	105.8	63.3	143.3
167	18.3	0.0	54.6



Abundance Ion 166.00 (165.70 to 166.70): 4M0572
 Ion 165.00 (164.70 to 165.70): 4M0572
 Ion 167.00 (166.70 to 167.70): 4M0572



Handwritten signature

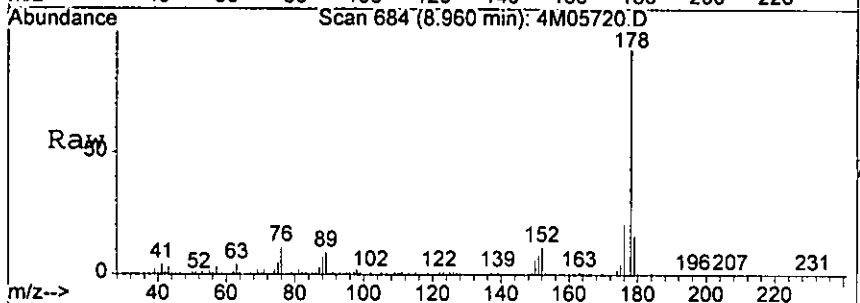


#67
 Phenanthrene
 Concen: 112.44 ng
 RT: 8.96 min Scan# 684
 Delta R.T. 0.02 min
 Lab File: 4M05720.D
 Acq: 18 Aug 2005 19:59

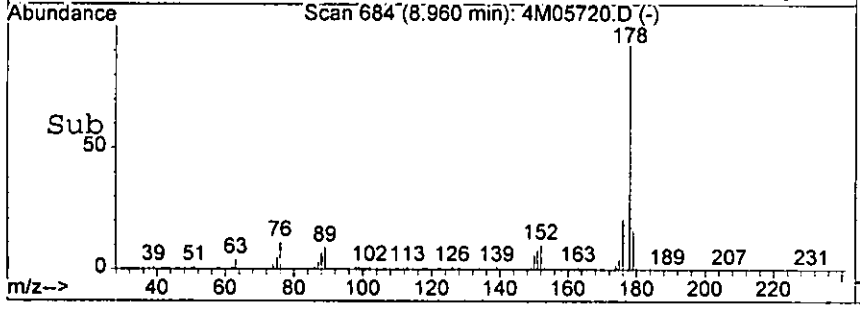
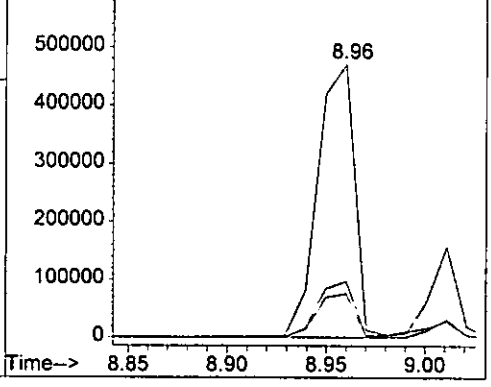
0551

Tgt Ion: 178 Resp: 609471

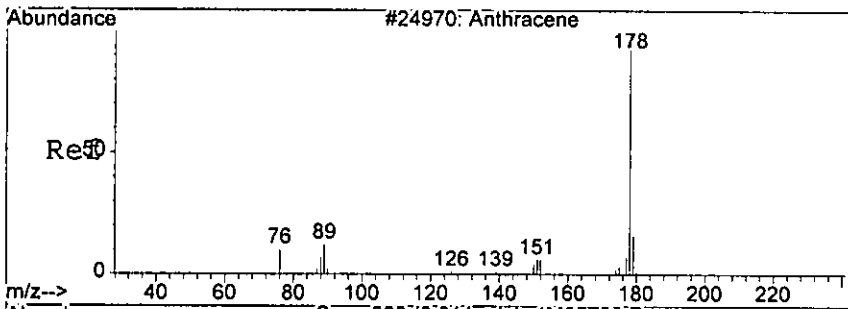
Ion	Ratio	Lower	Upper
178	100		
179	15.7	0.0	56.6
176	20.6	0.0	60.5



Abundance Ion 178.00 (177.70 to 178.70): 4M0572
 Ion 179.00 (178.70 to 179.70): 4M0572
 Ion 176.00 (175.70 to 176.70): 4M0572



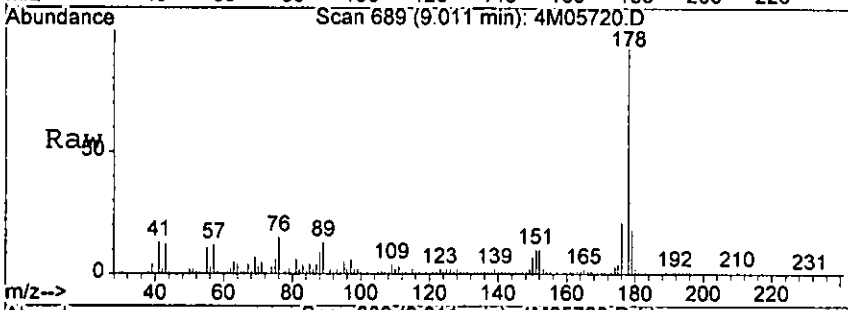
Handwritten signature



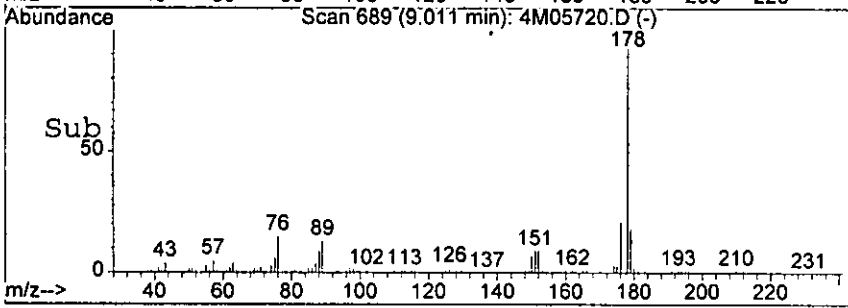
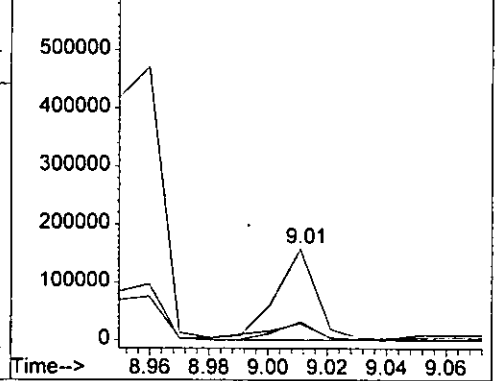
#68
 Anthracene
 Concen: 28.17 ng
 RT: 9.01 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: 4M05720.D
 Acq: 18 Aug 2005 19:59

DEEZ

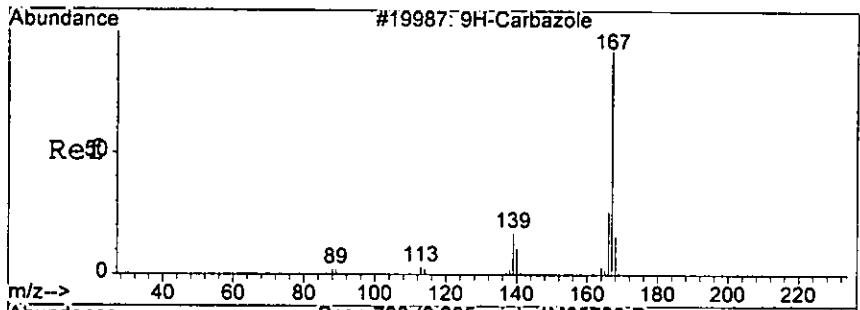
Tgt Ion	Resp	Lower	Upper
178	153597	100	100
179	16.2	0.0	56.6
176	20.6	0.0	60.2



Abundance Ion 178.00 (177.70 to 178.70): 4M0572
 Ion 179.00 (178.70 to 179.70): 4M0572
 Ion 176.00 (175.70 to 176.70): 4M0572

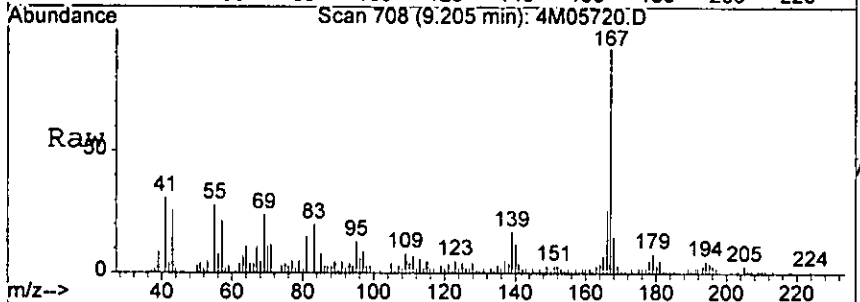


hca

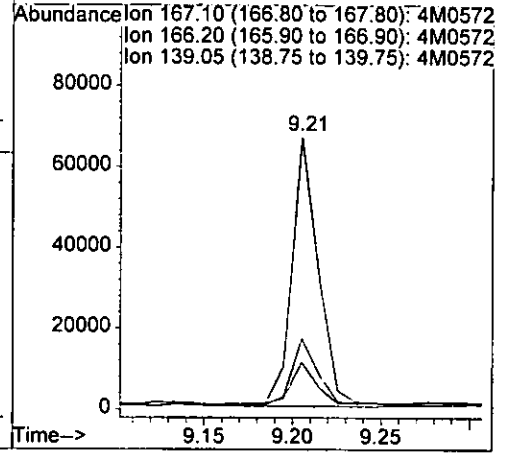
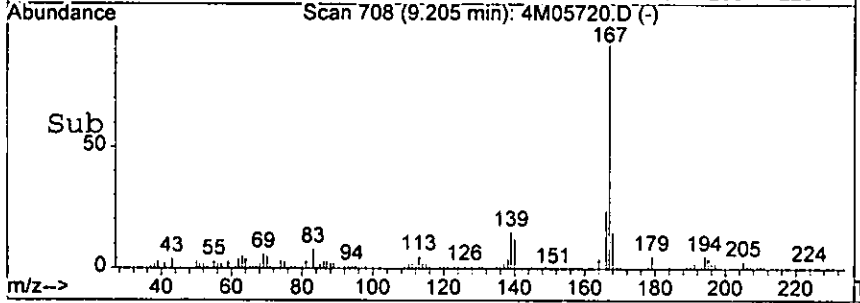


#69
 Carbazole
 Concen: 13.38 ng
 RT: 9.21 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: 4M05720.D
 Acq: 18 Aug 2005 19:59

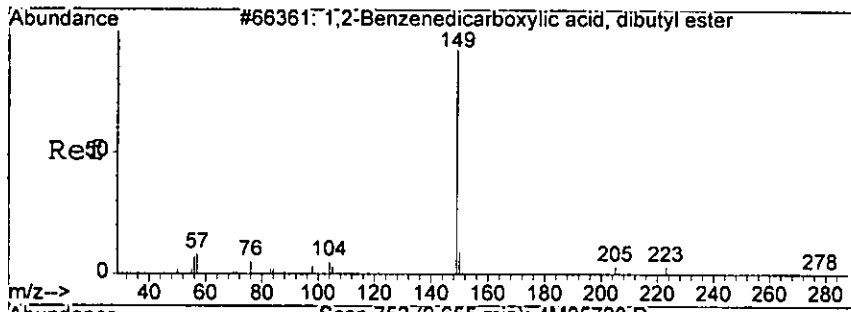
0663



Tgt Ion	Resp	Lower	Upper
167	100		
166	24.5	4.9	44.9
139	15.5	0.0	33.9

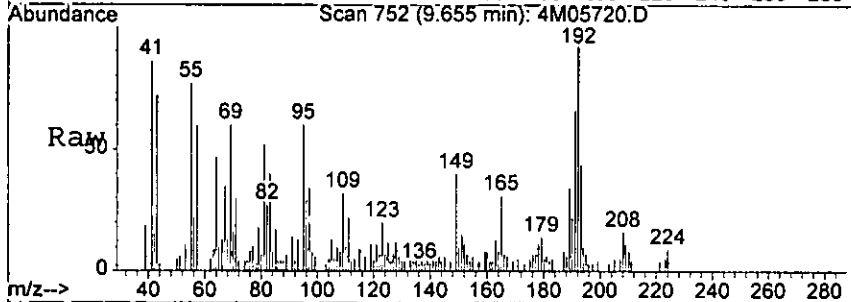


Low

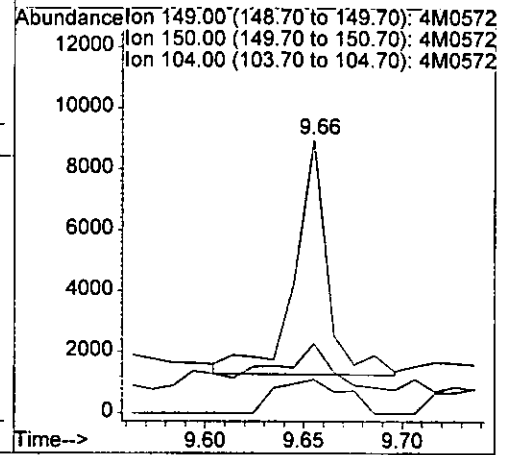
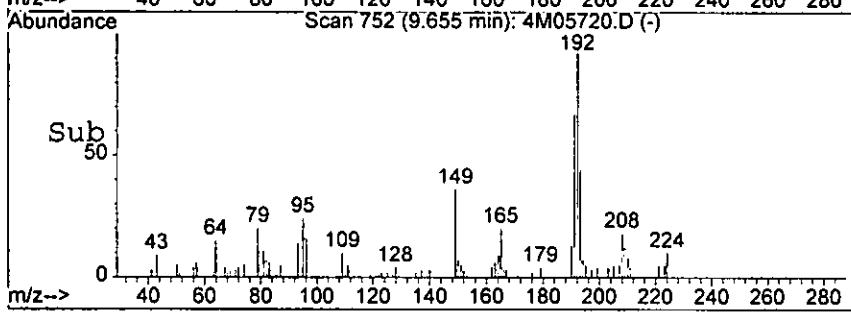


#70
 Di-n-butylphthalate
 Concn: 1.23 ng
 RT: 9.66 min Scan# 752
 Delta R.T. 0.01 min
 Lab File: 4M05720.D
 Acq: 18 Aug 2005 19:59

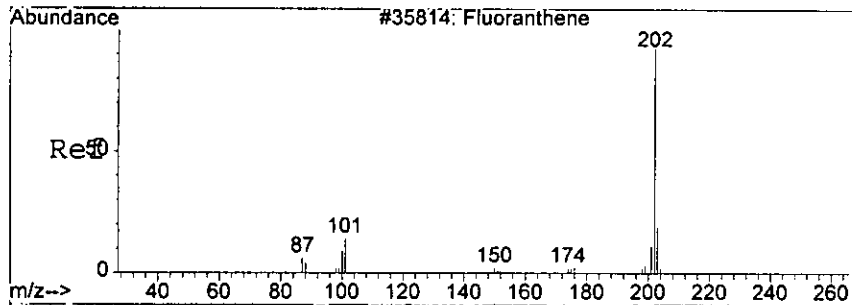
BESA



Tgt Ion	Resp	Lower	Upper
149	100		
150	19.9	0.0	49.8
104	14.6	0.0	44.6



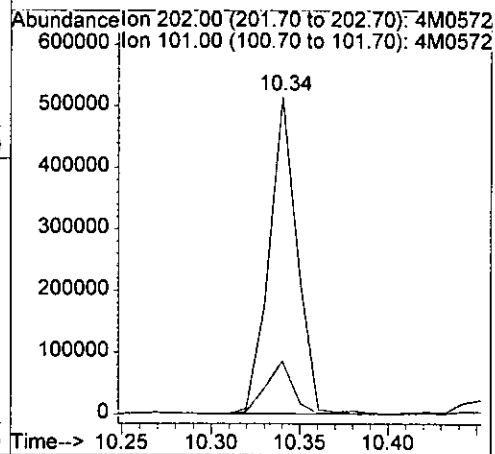
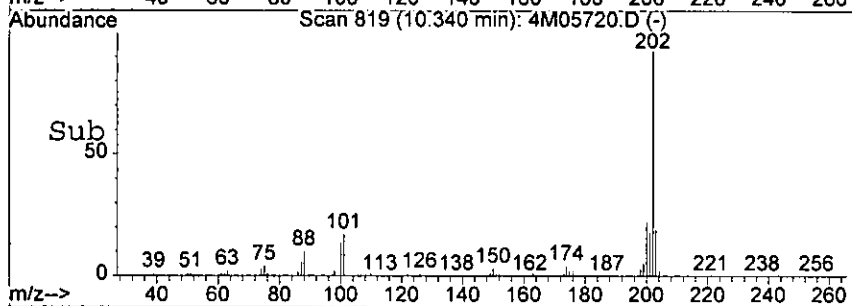
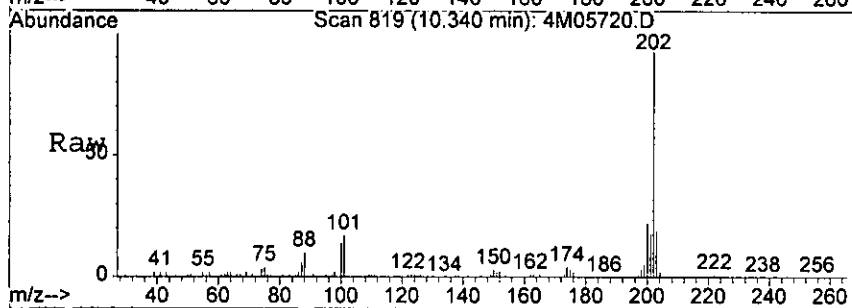
Handwritten signature: H205



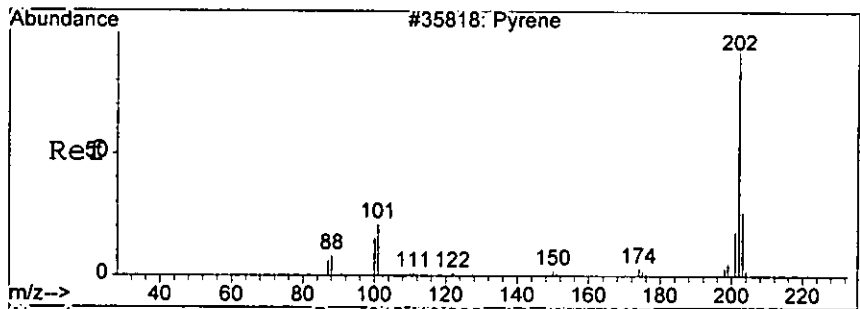
#71
 Fluoranthene
 Concen: 96.92 ng
 RT: 10.34 min Scan# 819
 Delta R.T. 0.02 min
 Lab File: 4M05720.D
 Acq: 18 Aug 2005 19:59

0000

Tgt Ion: 202 Resp: 569668
 Ion Ratio Lower Upper
 202 100
 101 16.7 0.0 58.3



Handwritten signature

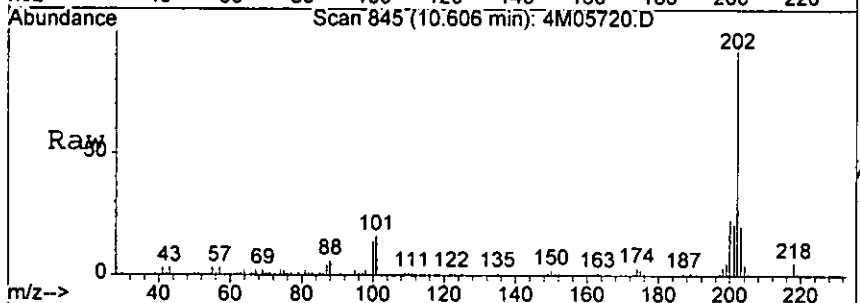


#73
 Pyrene
 Concen: 152.92 ng
 RT: 10.61 min Scan# 845
 Delta R.T. 0.02 min
 Lab File: 4M05720.D
 Acq: 18 Aug 2005 19:59

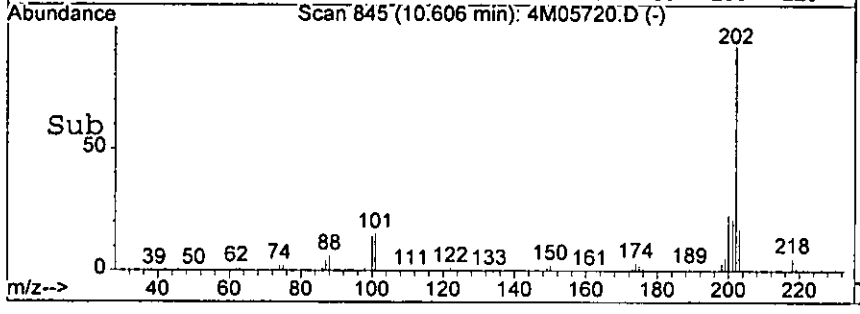
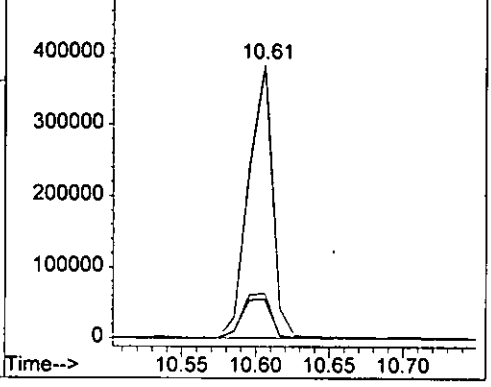
9999

Tgt Ion: 202 Resp: 438548

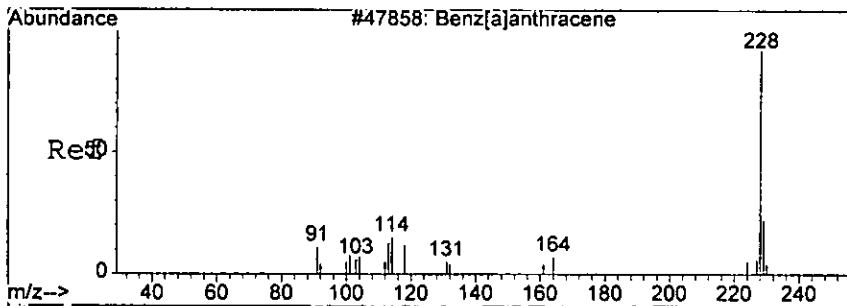
Ion	Ratio	Lower	Upper
202	100		
101	16.2	0.0	62.7
100	14.4	0.0	60.5



Abundance Ion 202.00 (201.70 to 202.70): 4M0572
 Ion 101.00 (100.70 to 101.70): 4M0572
 Ion 100.00 (99.70 to 100.70): 4M0572

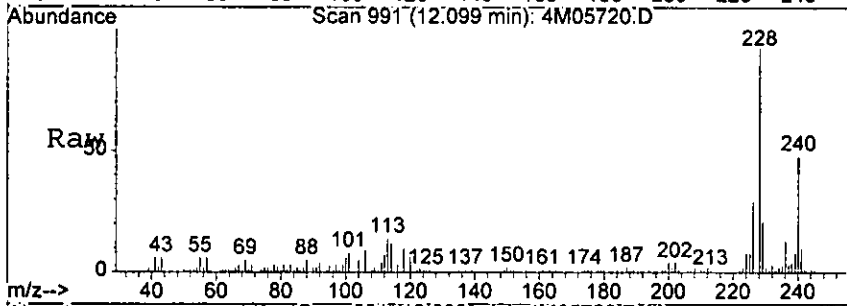


hour



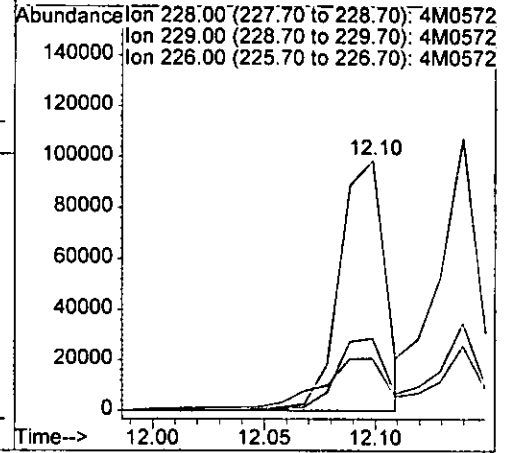
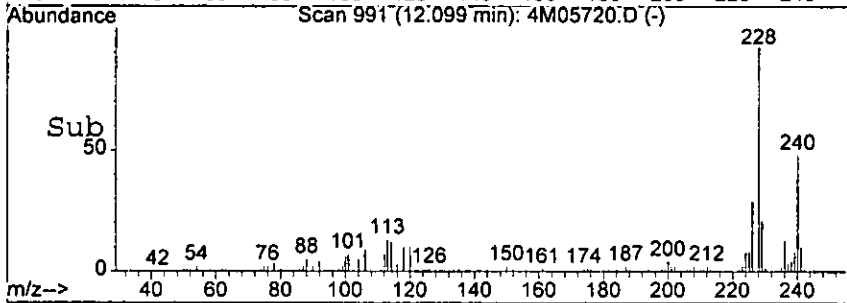
#78
 Benzo[a]anthracene
 Concen: 54.09 ng
 RT: 12.10 min Scan# 991
 Delta R.T. 0.02 min
 Lab File: 4M05720.D
 Acq: 18 Aug 2005 19:59

0567

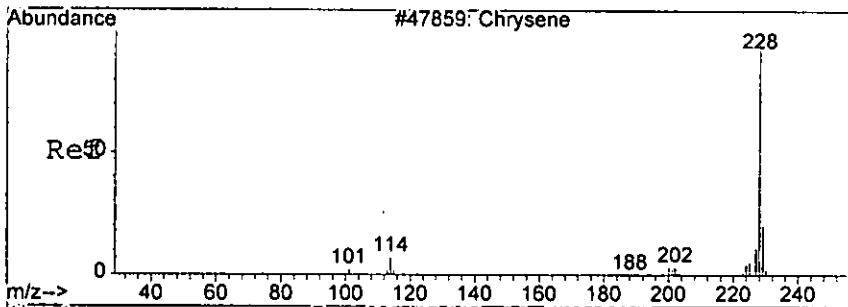


Tgt Ion: 228 Resp: 141803

Ion	Ratio	Lower	Upper
228	100		
229	19.7	0.0	60.5
226	29.1	0.0	69.0



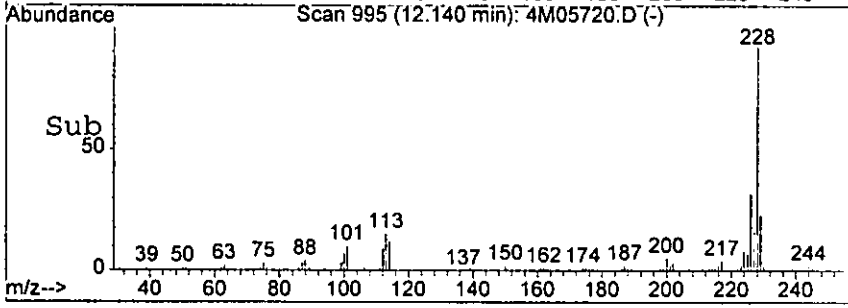
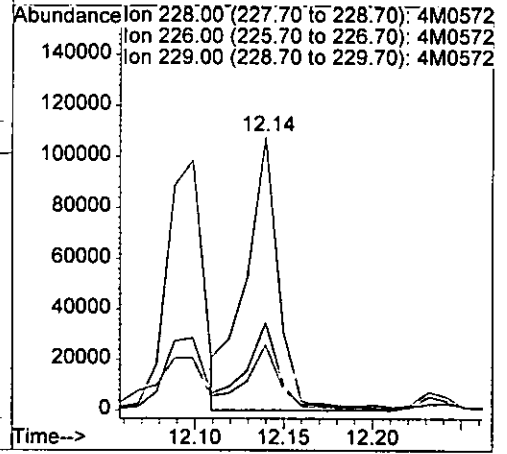
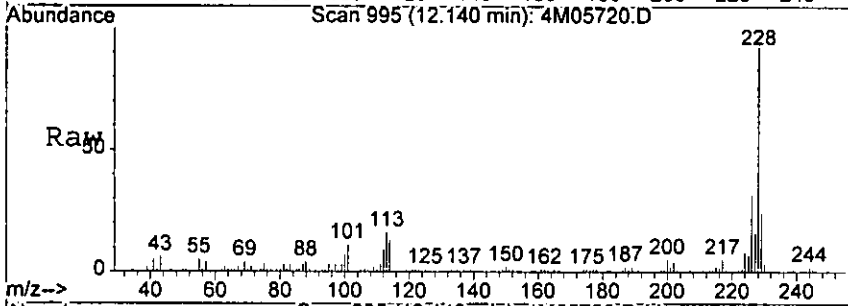
Handwritten signature



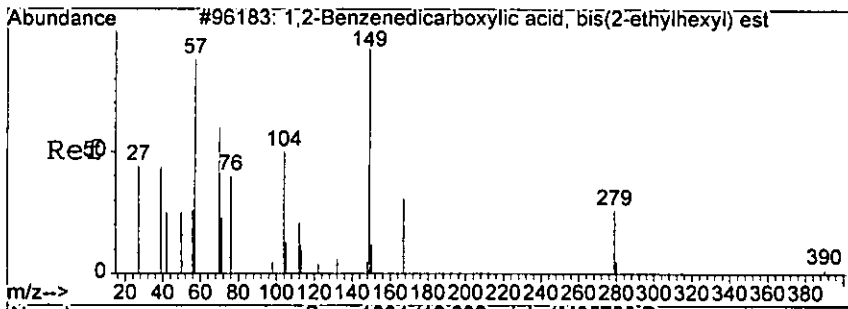
#79
 Chrysene
 Concen: 56.47 ng
 RT: 12.14 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: 4M05720.D
 Acq: 18 Aug 2005 19:59

0658

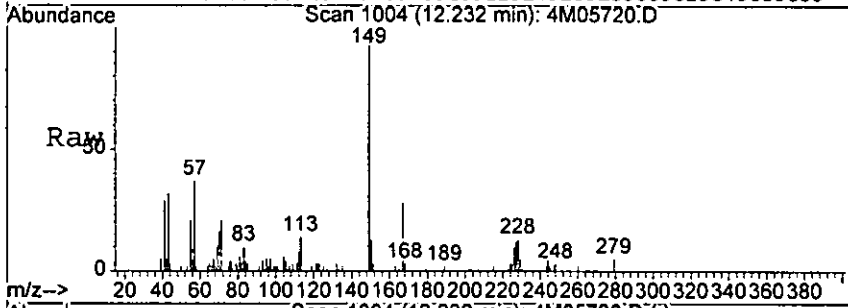
Tgt Ion:	228	Resp:	140807
Ion Ratio	Lower	Upper	
228	100		
226	32.6	12.0	52.0
229	23.0	0.0	61.1



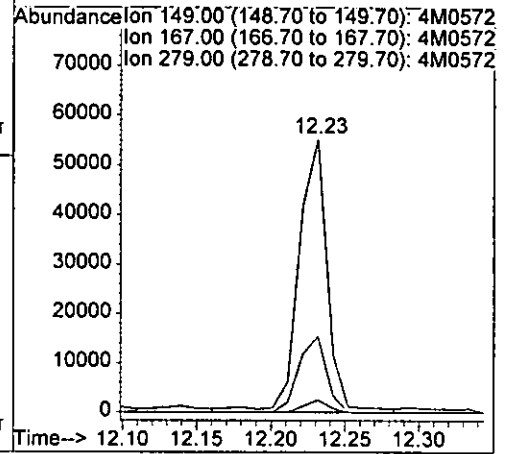
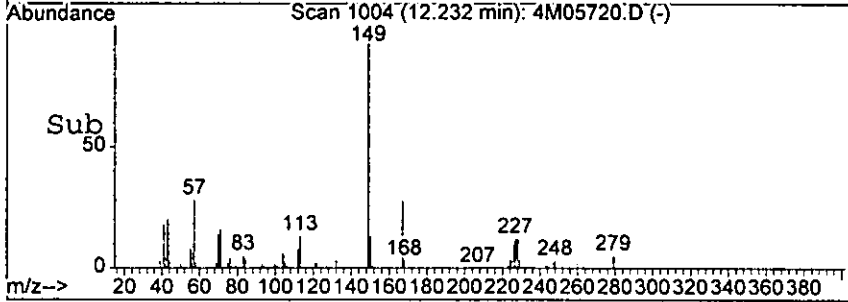
har



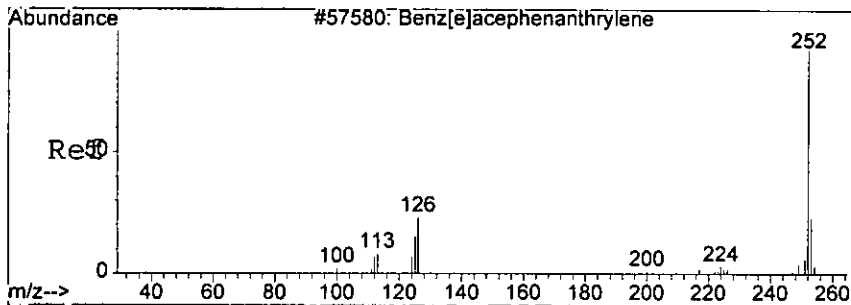
#80
 bis(2-Ethylhexyl)phthalate
 Concen: 34.63 ng
 RT: 12.23 min Scan# 1004
 Delta R.T. 0.01 min
 Lab File: 4M05720.D
 Acq: 18 Aug 2005 19:59



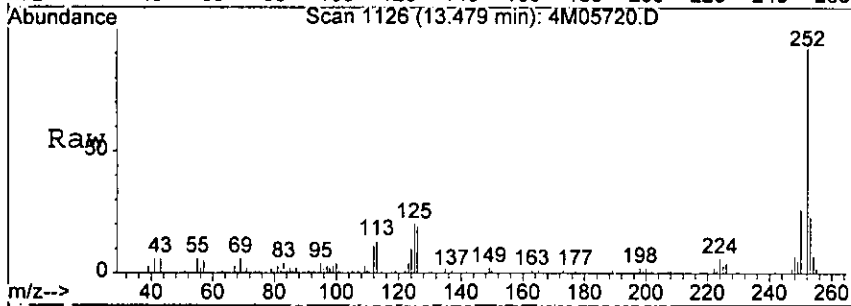
Tgt Ion	Resp	Lower	Upper
149	74578	100	
167	28.2	0.0	53.9
279	4.6	0.0	43.5



hair

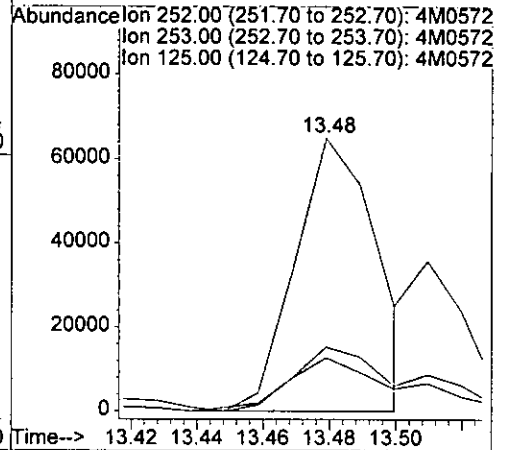
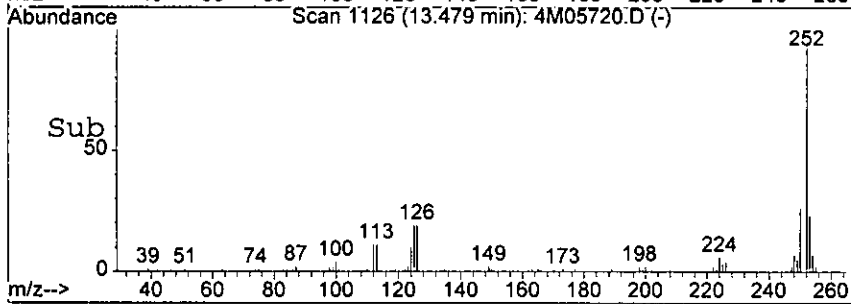


#83
 Benzo [b] fluoranthene
 Concen: 70.57 ng m
 RT: 13.48 min Scan# 1126
 Delta R.T. 0.01 min
 Lab File: 4M05720.D
 Acq: 18 Aug 2005 19:59

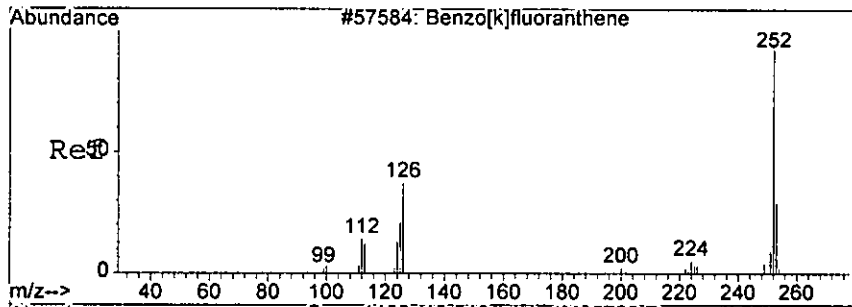


Tgt Ion: 252 Resp: 111214

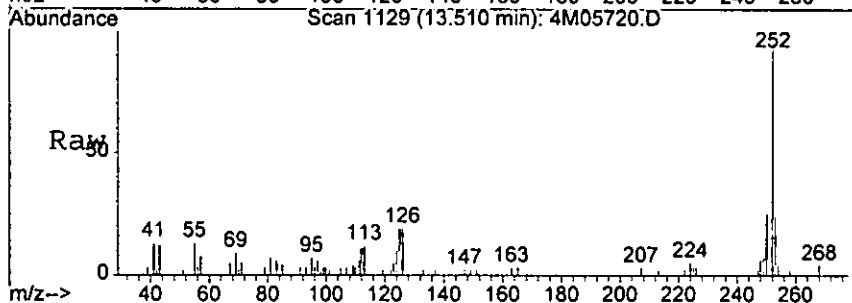
Ion	Ratio	Lower	Upper
252	100		
253	23.5	0.0	63.3
125	19.6	0.0	57.6



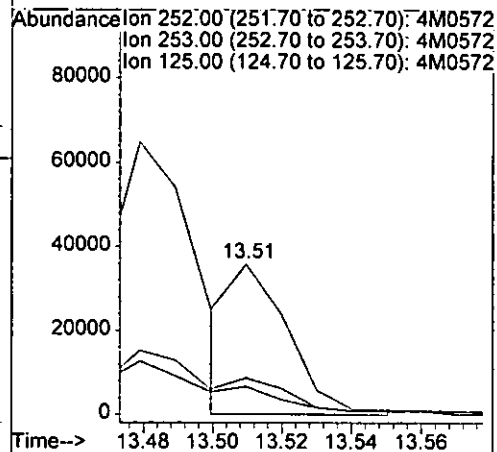
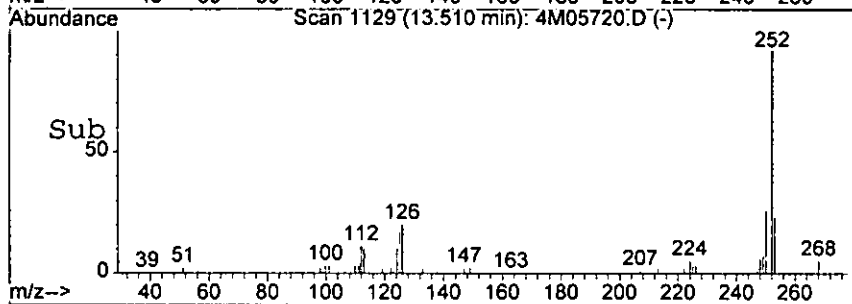
handwritten signature



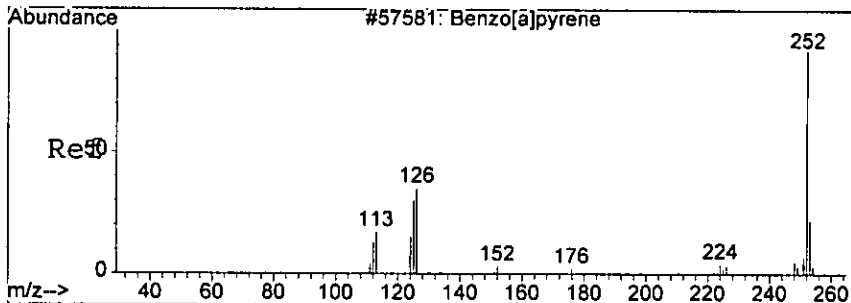
#84
 Benzo [k] fluoranthene
 Concen: 29.57 ng m
 RT: 13.51 min Scan# 1129
 Delta R.T. 0.01 min
 Lab File: 4M05720.D
 Acq: 18 Aug 2005 19:59



Tgt Ion: 252 Resp: 41506
 Ion Ratio Lower Upper
 252 100
 253 24.4 0.0 63.5
 125 18.6 0.0 53.8



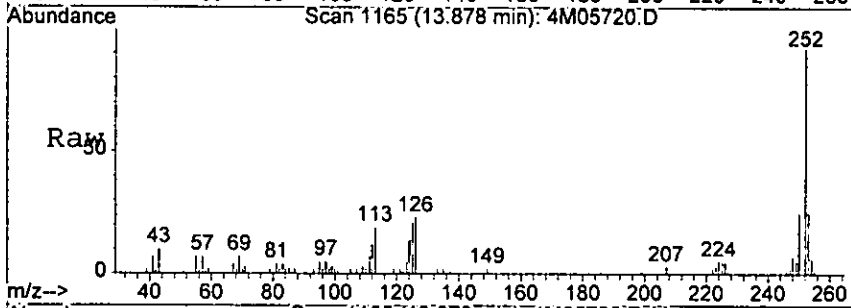
hear



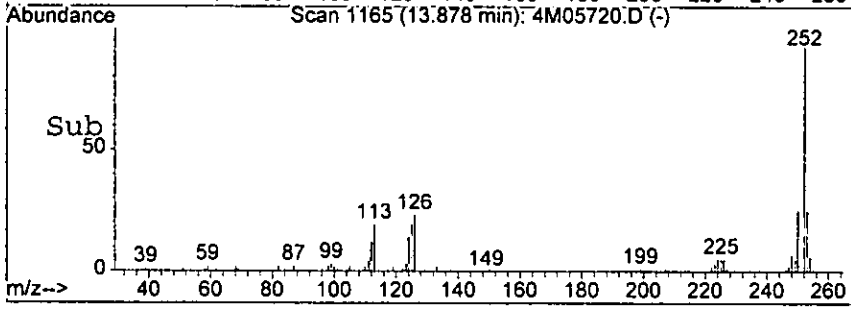
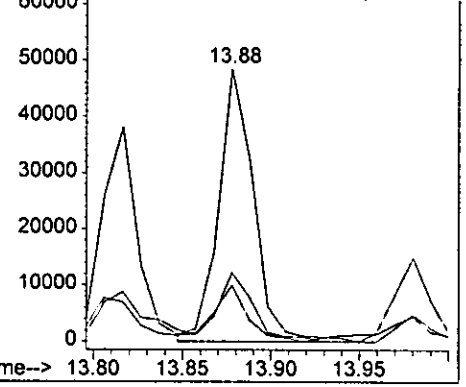
#85
 Benzo[a]pyrene
 Concen: 47.16 ng
 RT: 13.88 min Scan# 1165
 Delta R.T. 0.01 min
 Lab File: 4M05720.D
 Acq: 18 Aug 2005 19:59

0672

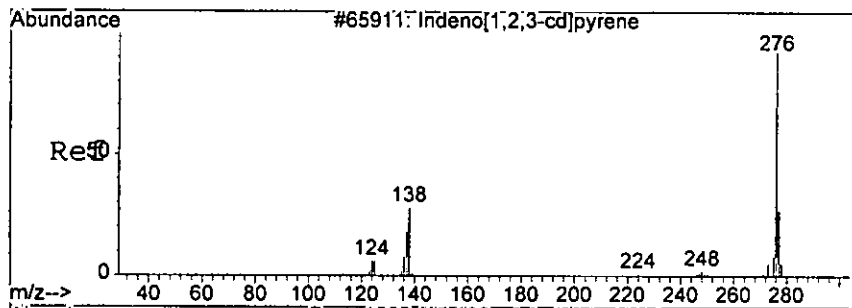
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	0.0	62.9
125	18.3	0.0	57.6



Abundance Ion 252.00 (251.70 to 252.70): 4M0572
 Ion 253.00 (252.70 to 253.70): 4M0572
 Ion 125.00 (124.70 to 125.70): 4M0572

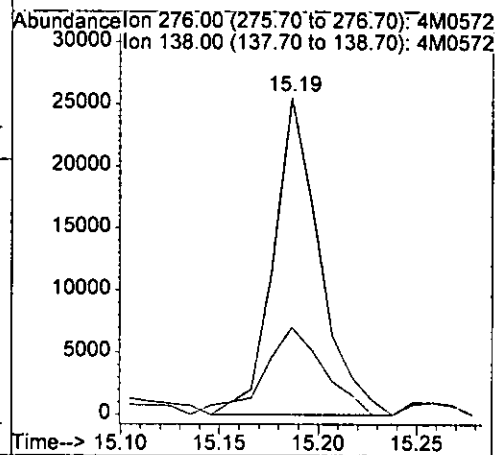
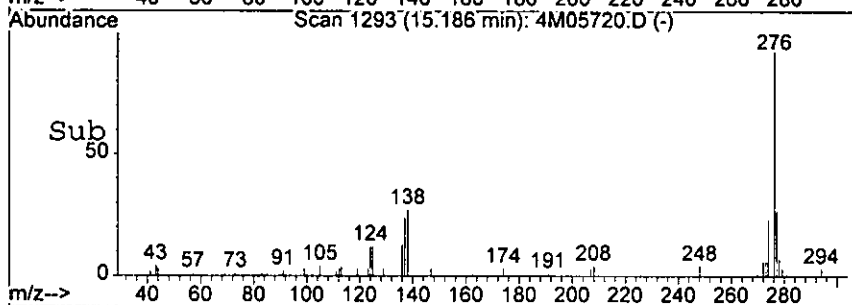
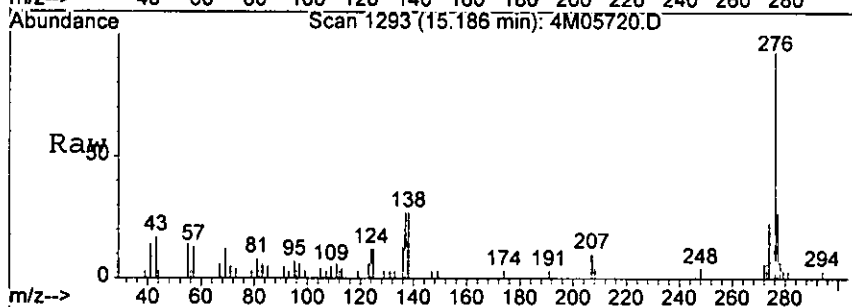


low

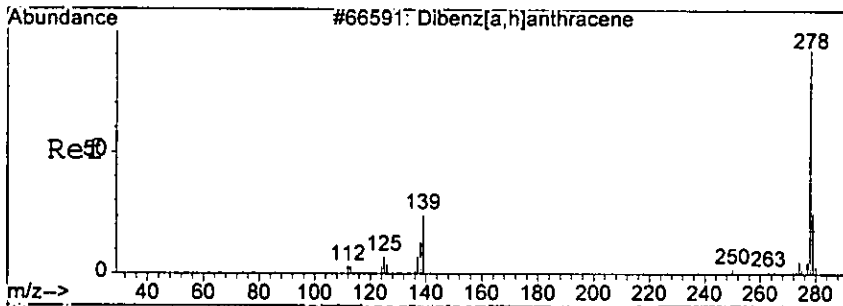


#86
 Indeno[1,2,3-cd]pyrene
 Concen: 24.24 ng
 RT: 15.19 min Scan# 1293
 Delta R.T. 0.01 min
 Lab File: 4M05720.D
 Acq: 18 Aug 2005 19:59

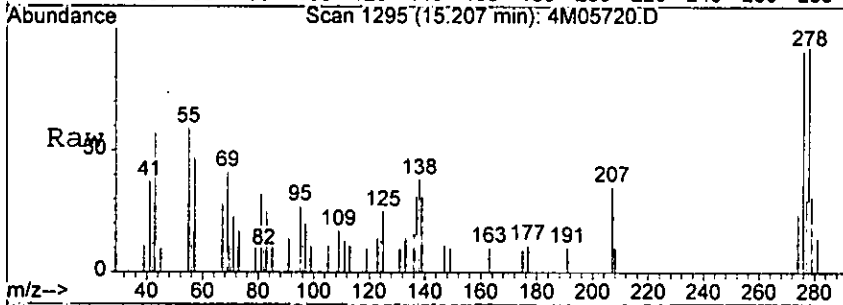
Tgt Ion: 276 Resp: 41351
 Ion Ratio Lower Upper
 276 100
 138 27.4 0.0 73.4



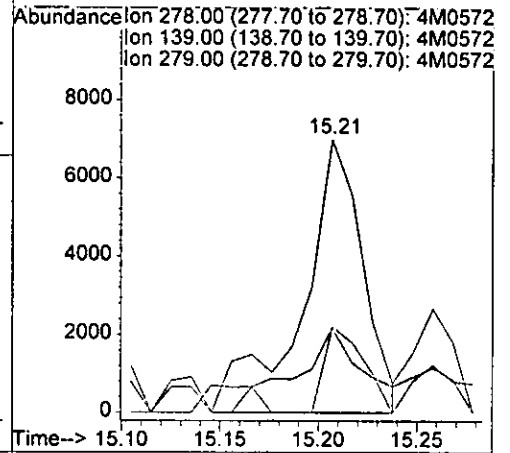
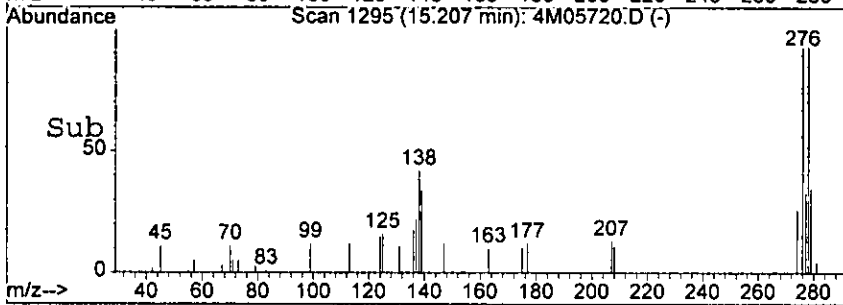
hwa



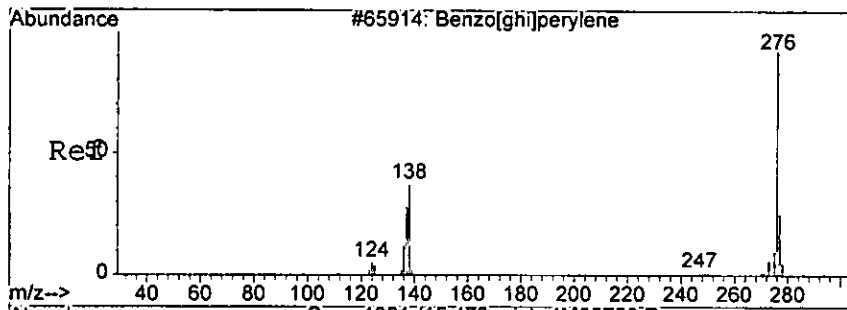
#87
 Dibenzo[a,h]anthracene
 Concen: 11.24 ng
 RT: 15.21 min Scan# 1295
 Delta R.T. 0.01 min
 Lab File: 4M05720.D
 Acq: 18 Aug 2005 19:59



Tgt Ion	Resp	Lower	Upper
278	14974	100	100
139	31.0	0.0	63.8
279	31.4	0.0	64.0

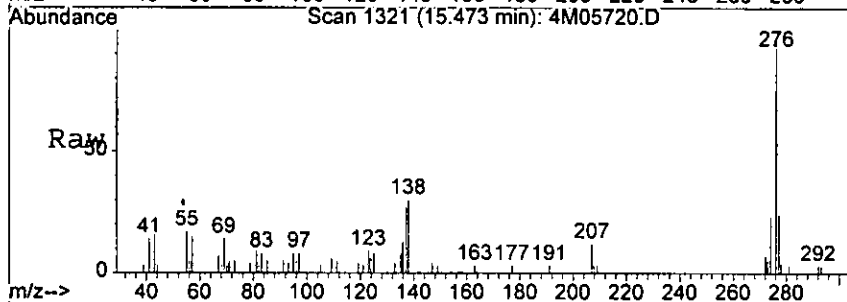


low

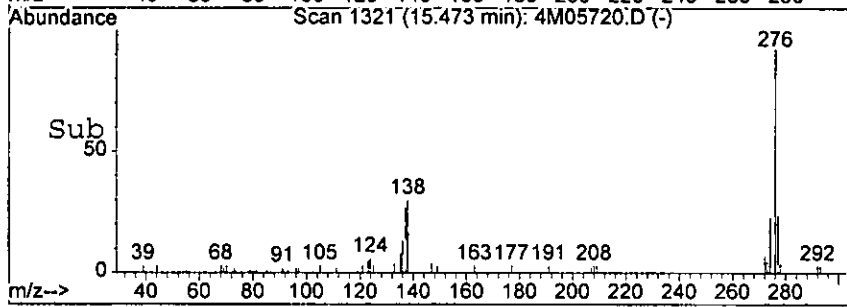


#88
 Benzo[g,h,i]perylene
 Concen: 25.74 ng
 RT: 15.47 min Scan# 1321
 Delta R.T. 0.02 min
 Lab File: 4M05720.D
 Acq: 18 Aug 2005 19:59

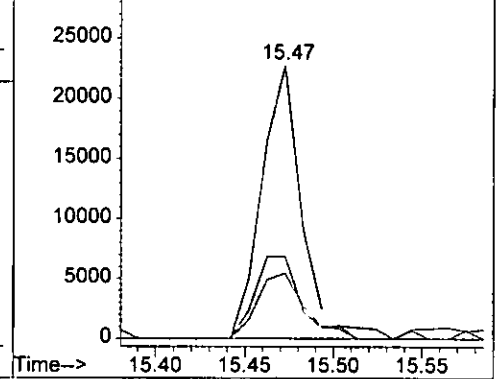
0575



Tgt Ion	Resp	Lower	Upper
276	36158	100	
138	30.1	0.0	74.1
277	24.0	0.0	65.0



Abundance Ion 276.00 (275.70 to 276.70): 4M0572
 Ion 138.00 (137.70 to 138.70): 4M0572
 Ion 277.00 (276.70 to 277.70): 4M0572



har

Form1

ORGANICS SEMIVOLATILE REPORT

0578

Sample Number: AC19099-012
 Client Id: PCSB - 59 (10.5)
 Data File: 4M05721.D
 Analysis Date: 08/18/05 20:23
 Date Rec/Extracted: 08/16/05-08/17/05

Matrix: Soil
 Initial Vol: 30g
 Final Vol: 1ml
 Dilution: 1
 Solids: 40

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.023	U	205-99-2	Benzo[b]fluoranthene	0.025	0.31
95-50-1	1,2-Dichlorobenzene	0.038	U	191-24-2	Benzo[g,h,i]perylene	0.016	U
122-66-7	1,2-Diphenylhydrazine	0.024	U	207-08-9	Benzo[k]fluoranthene	0.027	0.11
541-73-1	1,3-Dichlorobenzene	0.035	U	111-91-1	bis(2-Chloroethoxy)methan	0.019	U
106-46-7	1,4-Dichlorobenzene	0.042	U	111-44-4	bis(2-Chloroethyl)ether	0.044	U
95-95-4	2,4,5-Trichlorophenol	1.1	U	108-60-1	bis(2-chloroisopropyl)ether	0.027	U
88-06-2	2,4,6-Trichlorophenol	2.0	U	117-81-7	bis(2-Ethylhexyl)phthalat	0.075	0.18
120-83-2	2,4-Dichlorophenol	0.13	U	85-68-7	Butylbenzylphthalate	0.033	U
105-67-9	2,4-Dimethylphenol	0.12	U	86-74-8	Carbazole	0.025	U
51-28-5	2,4-Dinitrophenol	0.57	U	218-01-9	Chrysene	0.017	0.23
121-14-2	2,4-Dinitrotoluene	0.031	U	84-74-2	Di-n-butylphthalate	0.019	0.10 B
606-20-2	2,6-Dinitrotoluene	0.034	U	117-84-0	Di-n-octylphthalate	0.020	U
91-58-7	2-Chloronaphthalene	0.023	U	53-70-3	Dibenzo[a,h]anthracene	0.029	U
95-57-8	2-Chlorophenol	0.17	U	132-64-9	Dibenzofuran	0.11	U
91-57-6	2-Methylnaphthalene	0.11	U	84-66-2	Diethylphthalate	0.023	U
95-48-7	2-Methylphenol	0.40	U	131-11-3	Dimethylphthalate	0.019	U
88-74-4	2-Nitroaniline	0.059	U	206-44-0	Fluoranthene	0.024	0.49
88-75-5	2-Nitrophenol	0.097	U	86-73-7	Fluorene	0.021	U
106-44-5	3&4-Methylphenol	0.44	U	118-74-1	Hexachlorobenzene	0.039	U
91-94-1	3,3'-Dichlorobenzidine	0.18	U	87-68-3	Hexachlorobutadiene	0.035	U
99-09-2	3-Nitroaniline	0.35	U	77-47-4	Hexachlorocyclopentadiene	0.22	U
534-52-1	4,6-Dinitro-2-methylphenol	0.16	U	67-72-1	Hexachloroethane	0.062	U
101-55-3	4-Bromophenyl-phenylether	0.032	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.011	U
59-50-7	4-Chloro-3-methylphenol	0.21	U	78-59-1	Isophorone	0.026	U
106-47-8	4-Chloroaniline	0.64	U	621-64-7	N-Nitroso-di-n-propylamine	0.040	U
7005-72-3	4-Chlorophenyl-phenylether	0.039	U	62-75-9	N-Nitrosodimethylamine	0.98	U
100-01-6	4-Nitroaniline	0.21	U	86-30-6	n-Nitrosodiphenylamine	0.040	U
100-02-7	4-Nitrophenol	0.15	U	91-20-3	Naphthalene	0.020	U
83-32-9	Acenaphthene	0.035	U	98-95-3	Nitrobenzene	0.033	U
208-96-8	Acenaphthylene	0.019	U	87-86-5	Pentachlorophenol	0.10	U
120-12-7	Anthracene	0.022	0.13	85-01-8	Phenanthrene	0.019	0.44
92-87-5	Benzidine	0.19	U	108-95-2	Phenol	0.13	U
56-55-3	Benzo[a]anthracene	0.015	0.25	129-00-0	Pyrene	0.019	0.75
50-32-8	Benzo[a]pyrene	0.019	0.20				

Worksheet #: 18797

Total Target Concentration 3.19

U - Indicates the compound was analyzed but not detected.
 B - Indicates the analyte was found in the blank as well as in the sample.
 E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
 J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

Data File : G:\GcMsData\2005\Gcms_4\Data\08-18-05\4M05721.D Vial: 28
 Acq On : 18 Aug 2005 20:23 Operator: AHD
 Sample : AC19099-012 Inst : GCMS_4
 Misc : S,BNA Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:23 2005 Quant Results File: 4M_0818.RES

Quant Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration
 DataAcq Meth : 4M_0818

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.78	152	58238	40.00	ng	0.00
19) Naphthalene-d8	5.78	136	184538	40.00	ng	0.00
35) Acenaphthene-d10	7.32	164	106693	40.00	ng	0.00
59) Phenanthrene-d10	8.92	188	187501	40.00	ng	0.00
72) Chrysene-d12	12.10	240	83199	40.00	ng	0.00
81) Perylene-d12	13.95	264	42494	40.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	3.62	112	246631	153.12	ng	0.00
Spiked Amount 200.000			Recovery =	76.56%		
7) Phenol-d5	4.50	99	312093	153.40	ng	0.00
Spiked Amount 200.000			Recovery =	76.70%		
20) Nitrobenzene-d5	5.23	128	70829	83.03	ng	0.00
Spiked Amount 100.000			Recovery =	83.03%		
40) 2-Fluorobiphenyl	6.69	172	251934	74.75	ng	0.00
Spiked Amount 100.000			Recovery =	74.75%		
62) 2,4,6-Tribromophenol	8.15	332	125074	164.76	ng	0.00
Spiked Amount 200.000			Recovery =	82.38%		
75) Terphenyl-d14	10.82	244	250750	128.33	ng	0.00
Spiked Amount 100.000			Recovery =	128.33%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
67) Phenanthrene	8.95	178	25679	5.26	ng	96
68) Anthracene	9.00	178	7622	1.55	ng	90
70) Di-n-butylphthalate	9.64	149	8127	1.23	ng	90
71) Fluoranthene	10.33	202	30786	5.82	ng	100
73) Pyrene	10.60	202	25705	9.02	ng	92
78) Benzo[a]anthracene	12.09	228	7980	3.06	ng	92
79) Chrysene	12.14	228	6795	2.74	ng	89
80) bis(2-Ethylhexyl)phthalate	12.23	149	4688	2.19	ng	91
83) Benzo[b]fluoranthene	13.48	252	5735m	3.67	ng	
84) Benzo[k]fluoranthene	13.51	252	1812m	1.30	ng	
85) Benzo[a]pyrene	13.88	252	3302	2.35	ng	62

Handwritten signature

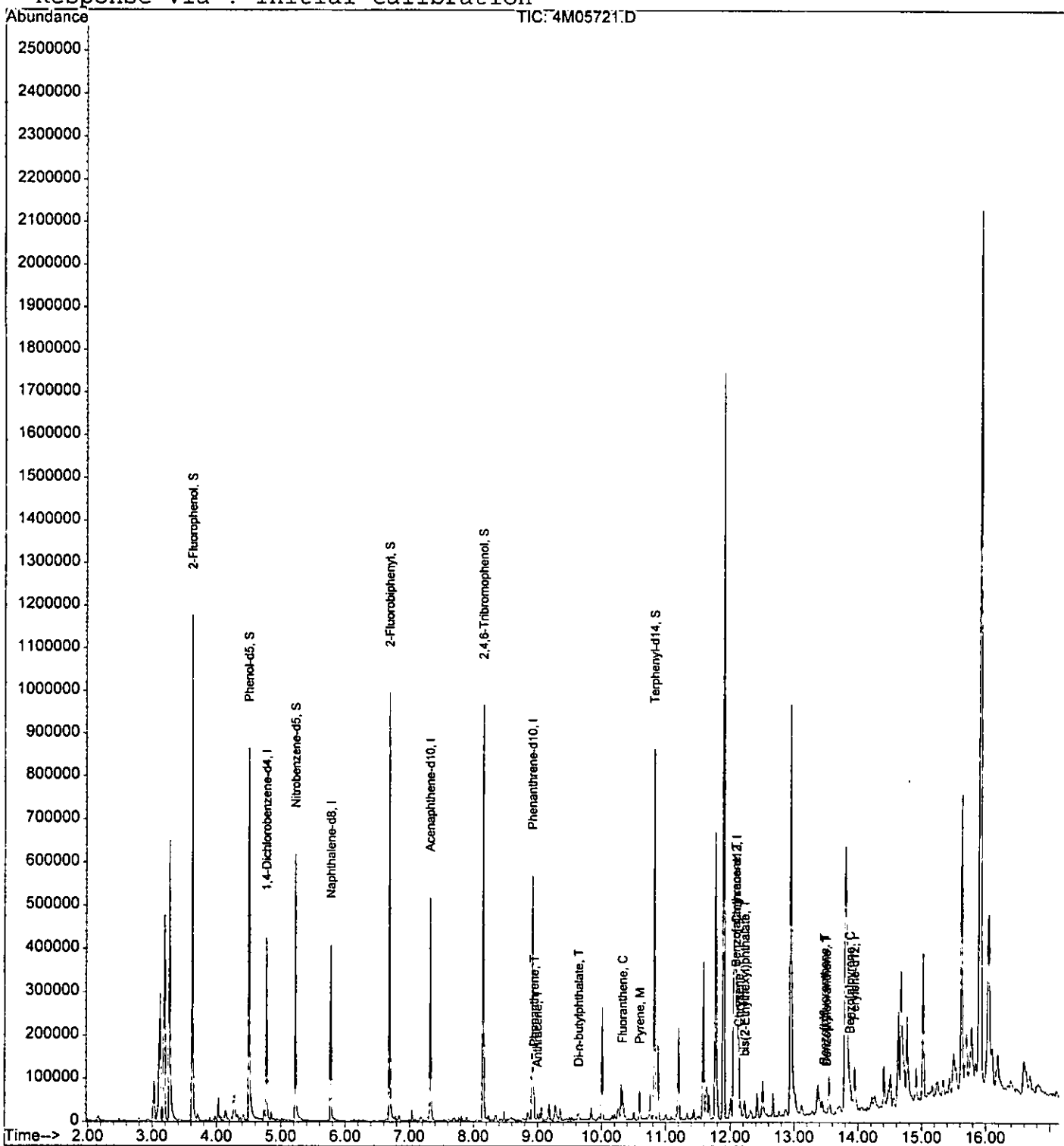
Quantitation Report

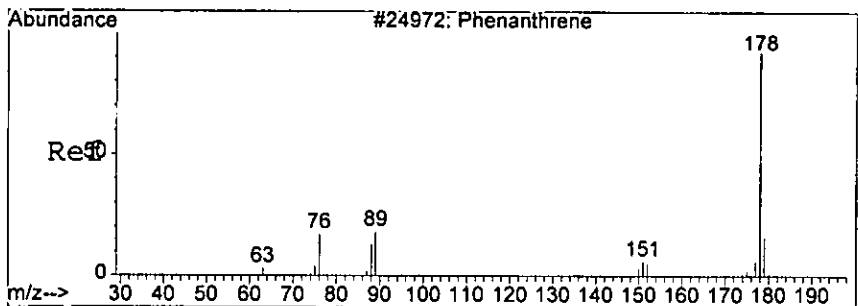
Data File : G:\GcMsData\2005\Gcms_4\Data\08-18-05\4M05721.D Vial: 2
Acq On : 18 Aug 2005 20:23 Operator: AHD
Sample : AC19099-012 Inst : GCMS-4
Misc : S,BNA Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 29 16:23 2005

6278
8790

Quant Results File: 4M_0818.RES

Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
Title : @GCMS_4,mg,625,8270
Last Update : Thu Aug 18 14:49:57 2005
Response via : Initial Calibration



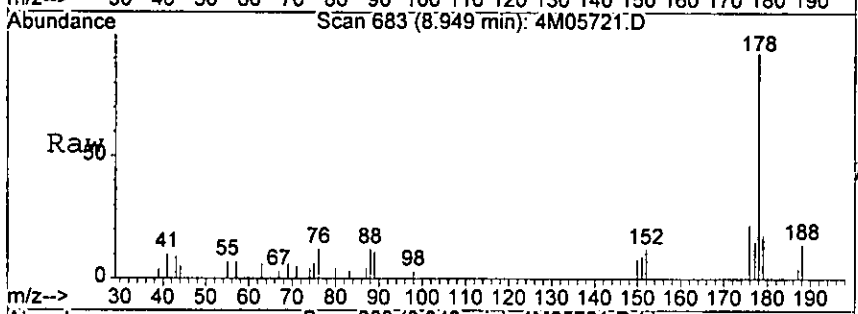


#67
 Phenanthrene
 Concen: 5.26 ng
 RT: 8.95 min Scan# 683
 Delta R.T. 0.01 min
 Lab File: 4M05721.D
 Acq: 18 Aug 2005 20:23

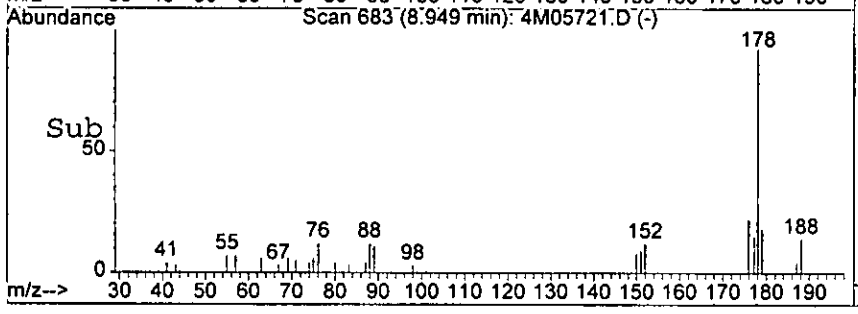
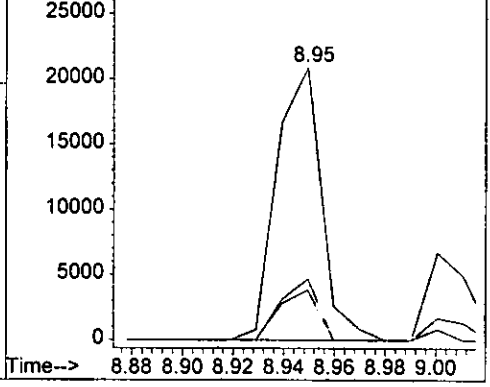
0679

Tgt Ion: 178 Resp: 25679

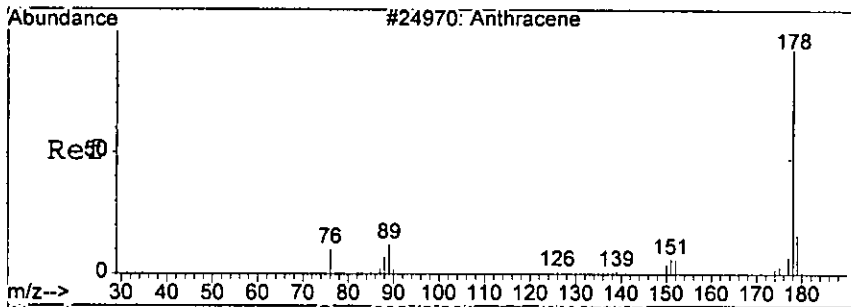
Ion	Ratio	Lower	Upper
178	100		
179	18.3	0.0	56.6
176	22.5	0.0	60.5



Abundance Ion 178.00 (177.70 to 178.70): 4M0572
 Ion 179.00 (178.70 to 179.70): 4M0572
 Ion 176.00 (175.70 to 176.70): 4M0572

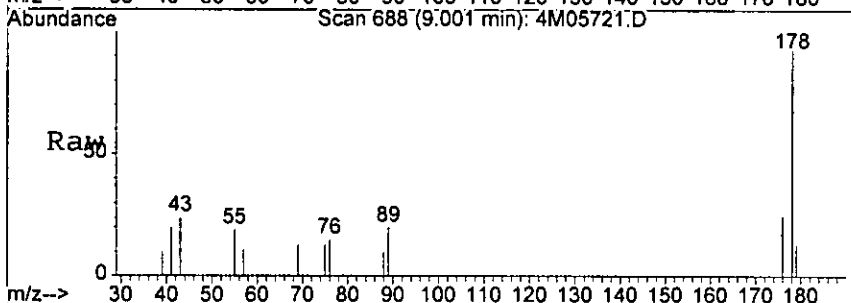


Handwritten signature



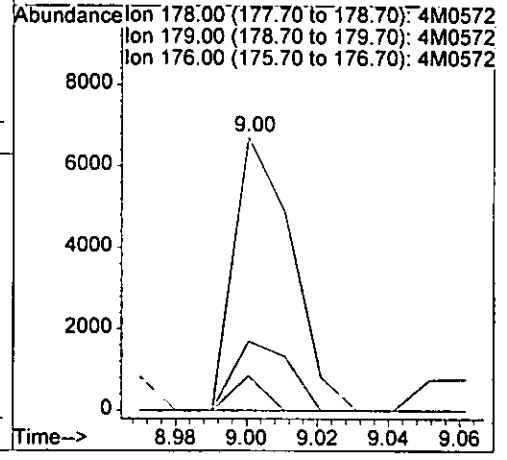
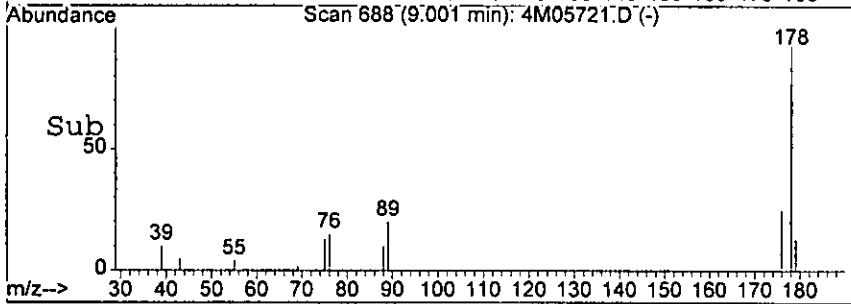
#68
 Anthracene
 Concen: 1.55 ng
 RT: 9.00 min Scan# 688
 Delta R.T. -0.00 min
 Lab File: 4M05721.D
 Acq: 18 Aug 2005 20:23

0330

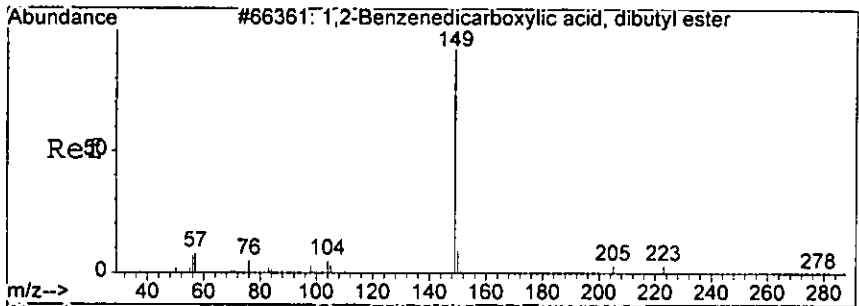


Tgt Ion: 178 Resp: 7622

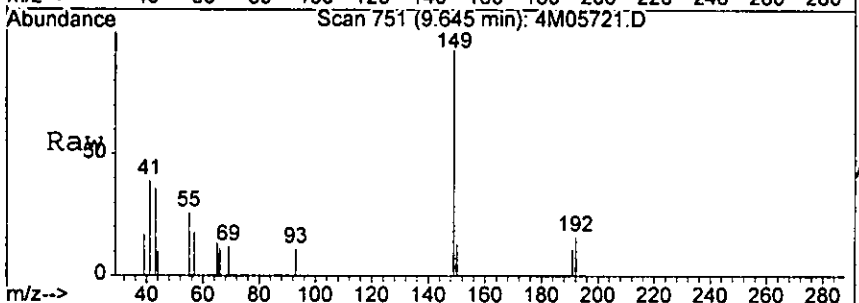
Ion	Ratio	Lower	Upper
178	100		
179	12.6	0.0	56.6
176	25.2	0.0	60.2



hsqr

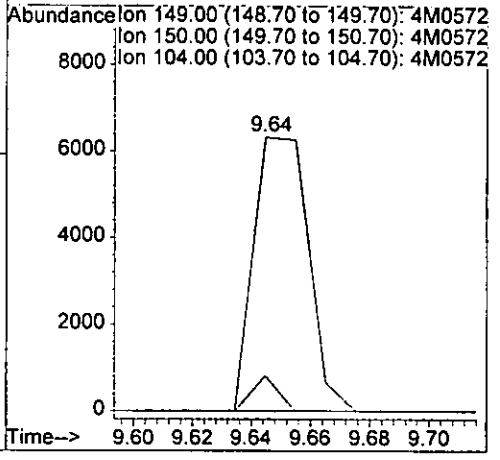
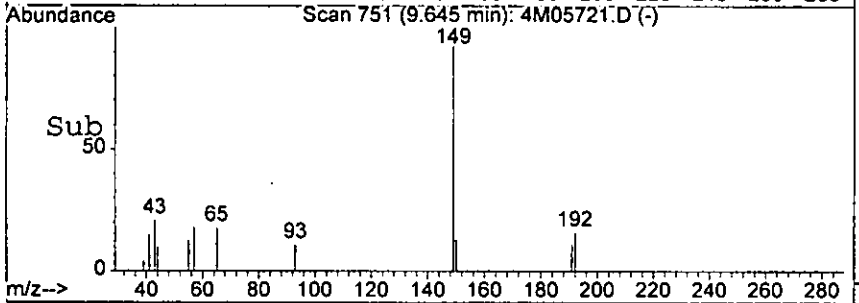


#70
 Di-n-butylphthalate
 Concen: 1.23 ng
 RT: 9.64 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: 4M05721.D
 Acq: 18 Aug 2005 20:23

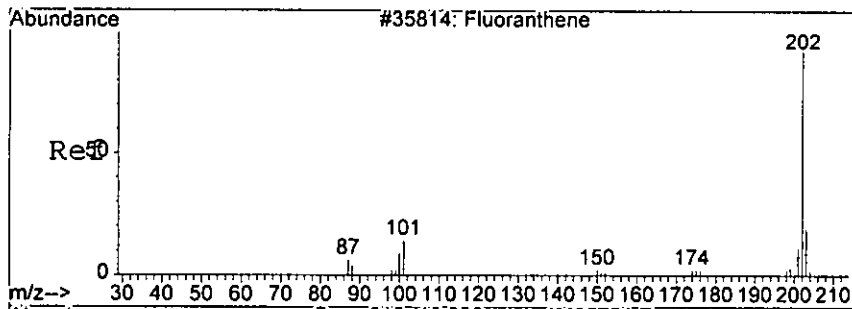


Tgt Ion: 149 Resp: 8127

Ion	Ratio	Lower	Upper
149	100		
150	12.9	0.0	49.8
104	0.0	0.0	44.6



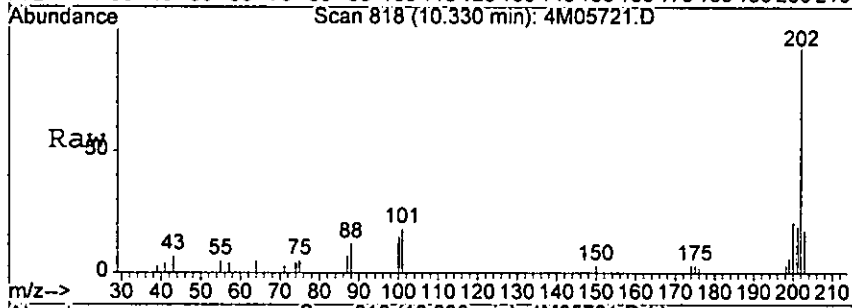
Kozar



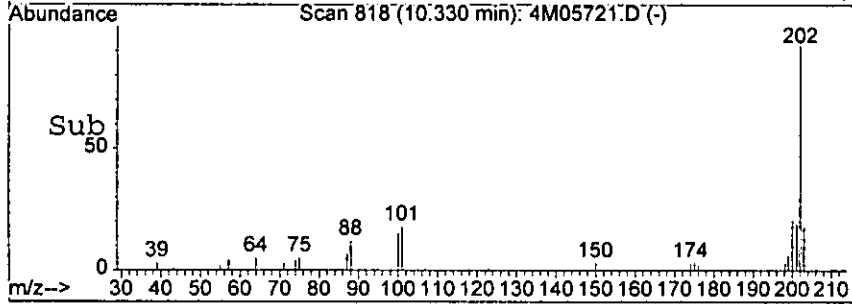
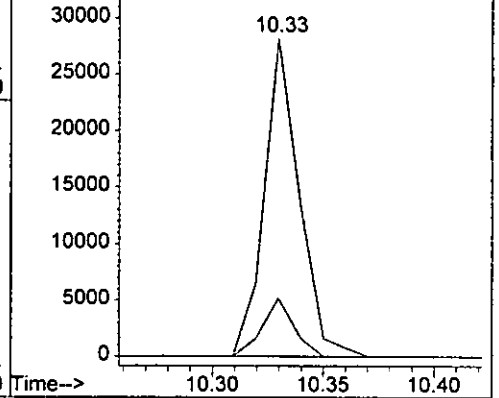
#71
 Fluoranthene
 Concen: 5.82 ng
 RT: 10.33 min Scan# 818
 Delta R.T. 0.01 min
 Lab File: 4M05721.D
 Acq: 18 Aug 2005 20:23

0531

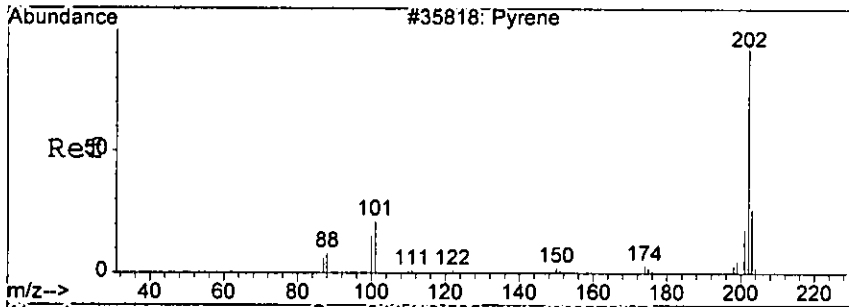
Tgt Ion: 202 Resp: 30786
 Ion Ratio Lower Upper
 202 100
 101 18.3 0.0 58.3



Abundance Ion 202.00 (201.70 to 202.70): 4M0572
 Ion 101.00 (100.70 to 101.70): 4M0572

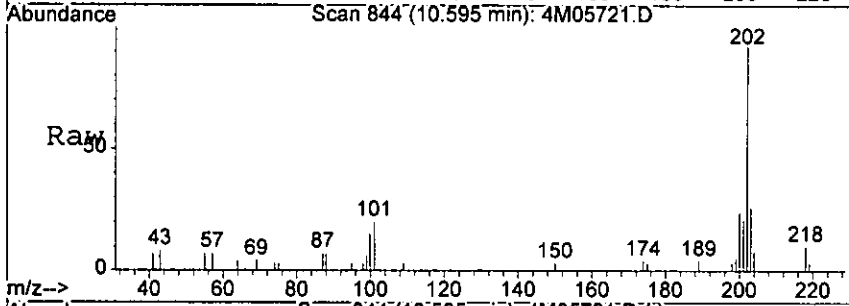


hwy

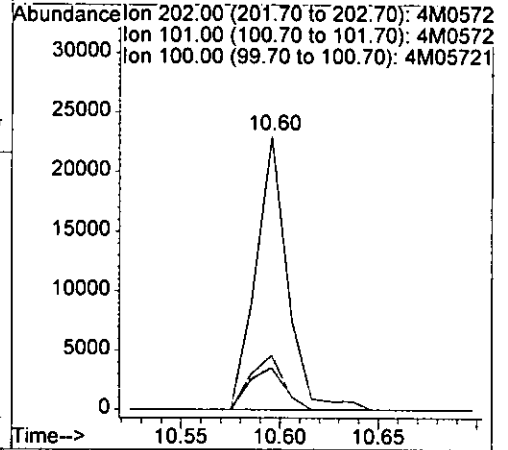
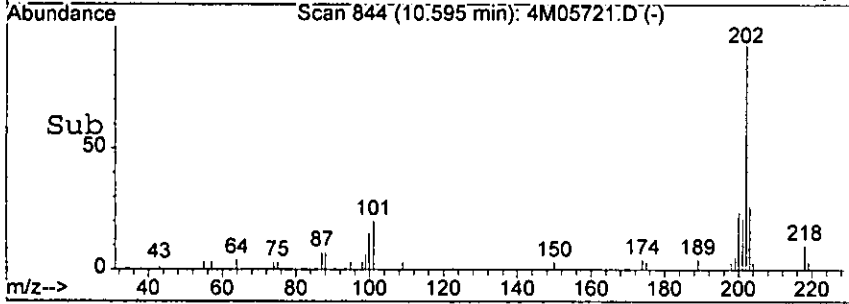


#73
 Pyrene
 Concen: 9.02 ng
 RT: 10.60 min Scan# 844
 Delta R.T. 0.01 min
 Lab File: 4M05721.D
 Acq: 18 Aug 2005 20:23

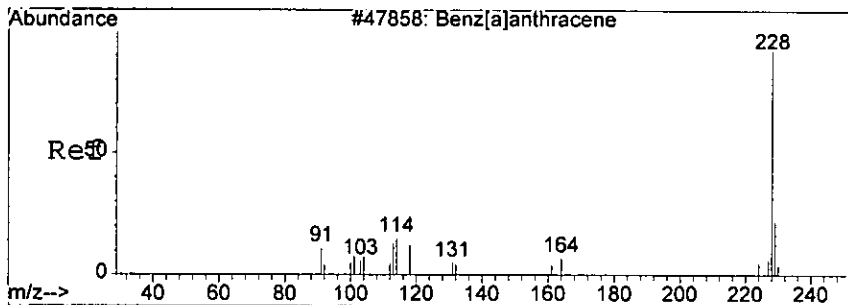
05831



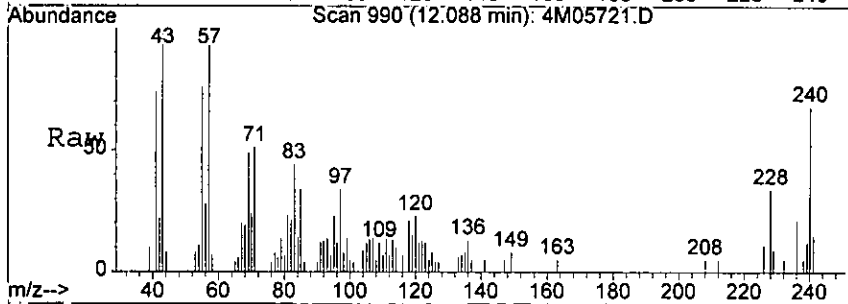
Tgt Ion	202	Resp	25705
Ion Ratio	100	Lower	Upper
101	19.9	0.0	62.7
100	15.4	0.0	60.5



Wen

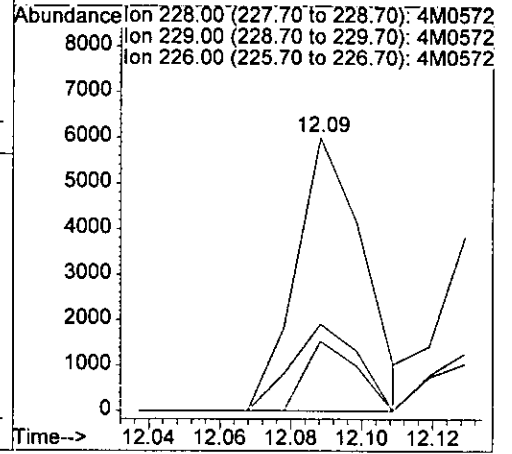
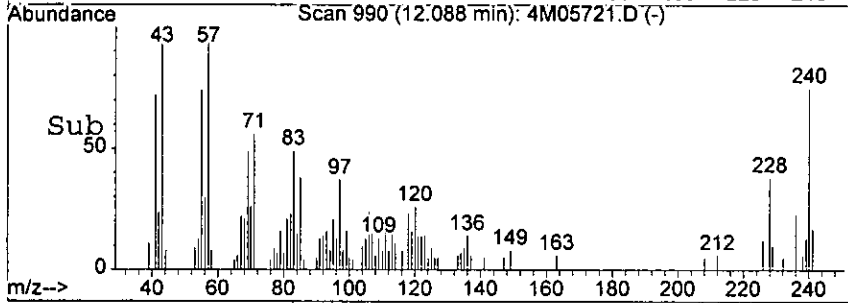


#78
 Benzo[a]anthracene
 Concen: 3.06 ng
 RT: 12.09 min Scan# 990
 Delta R.T. 0.01 min
 Lab File: 4M05721.D
 Acq: 18 Aug 2005 20:23

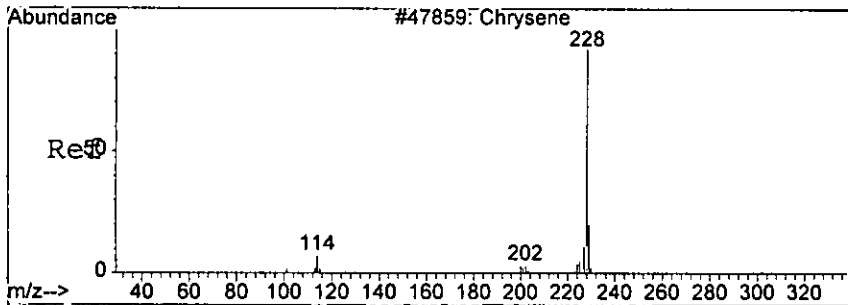


Tgt Ion: 228 Resp: 7980

Ion	Ratio	Lower	Upper
228	100		
229	25.6	0.0	60.5
226	31.9	0.0	69.0

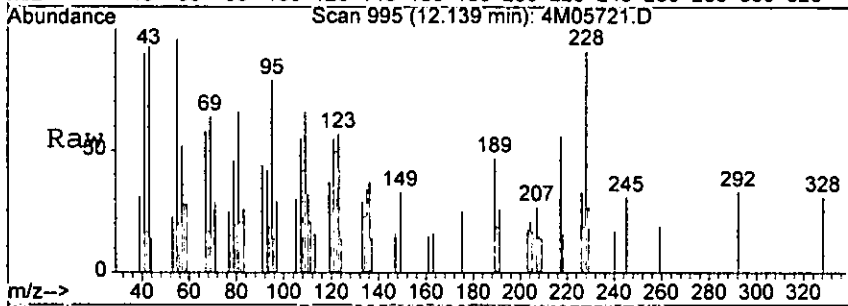


Handwritten signature



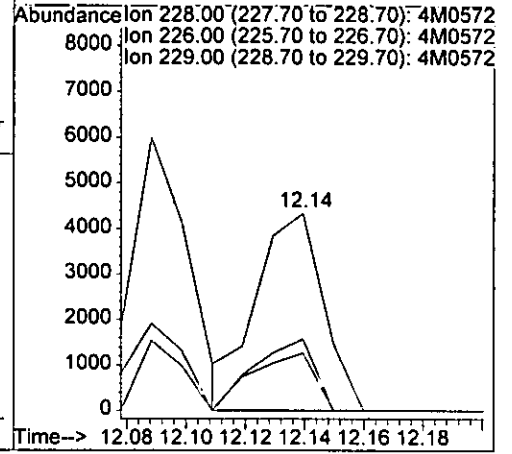
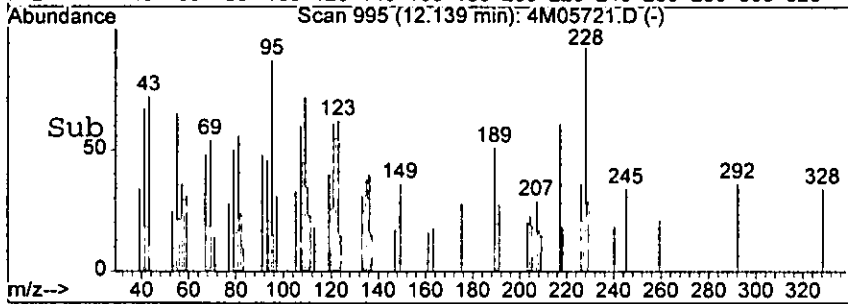
#79
 Chrysene
 Concen: 2.74 ng
 RT: 12.14 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: 4M05721.D
 Acq: 18 Aug 2005 20:23

0585

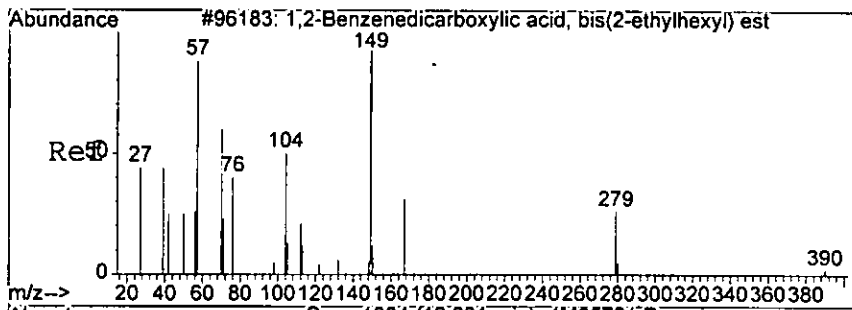


Tgt Ion: 228 Resp: 6795

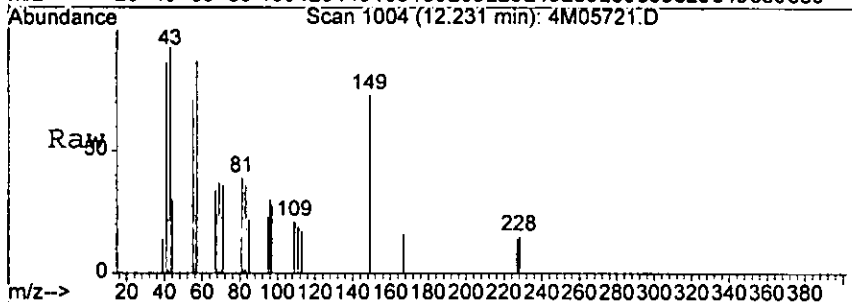
Ion	Ratio	Lower	Upper
228	100		
226	36.2	12.0	52.0
229	29.3	0.0	61.1



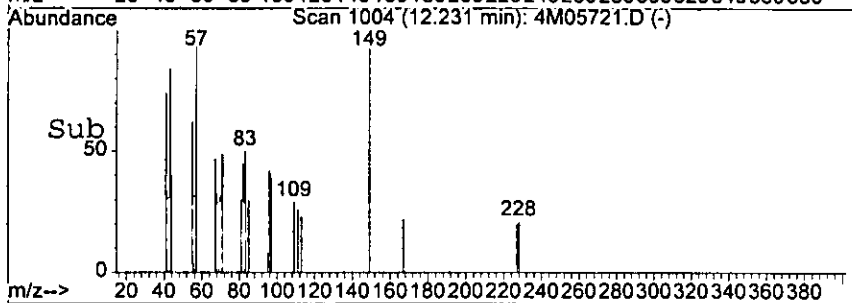
herar



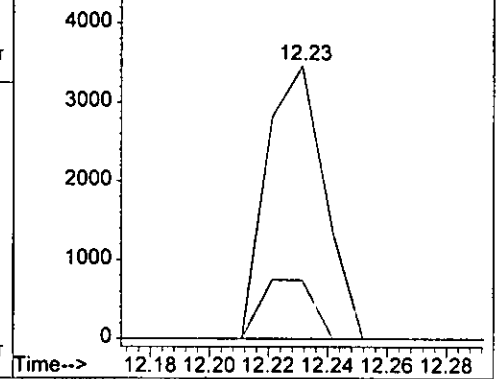
#80
 bis(2-Ethylhexyl)phthalate
 Concen: 2.19 ng
 RT: 12.23 min Scan# 1004
 Delta R.T. 0.01 min
 Lab File: 4M05721.D
 Acq: 18 Aug 2005 20:23



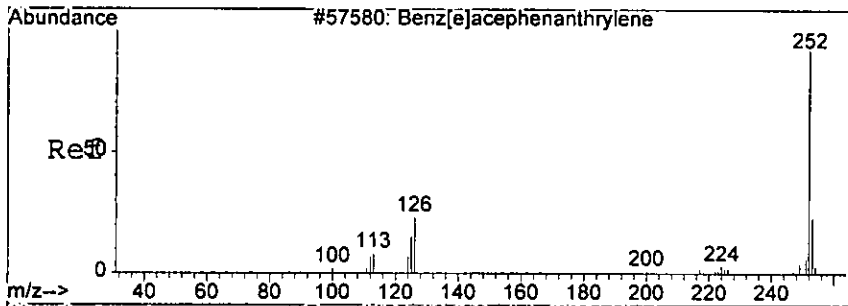
Tgt Ion	Resp	Lower	Upper
149	4688	100	100
167	21.5	0.0	53.9
279	0.0	0.0	43.5



Abundance Ion 149.00 (148.70 to 149.70): 4M0572
 Ion 167.00 (166.70 to 167.70): 4M0572
 Ion 279.00 (278.70 to 279.70): 4M0572



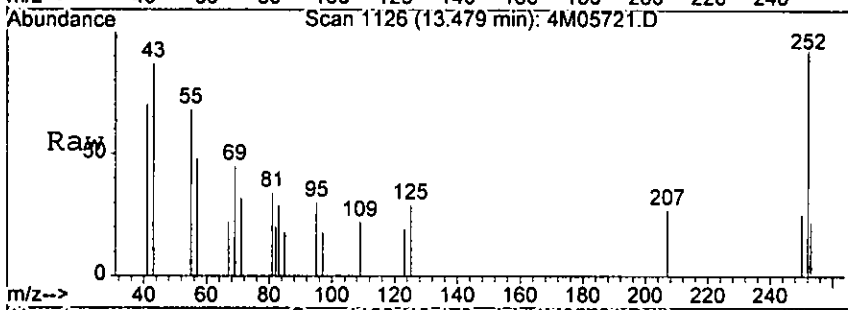
Low



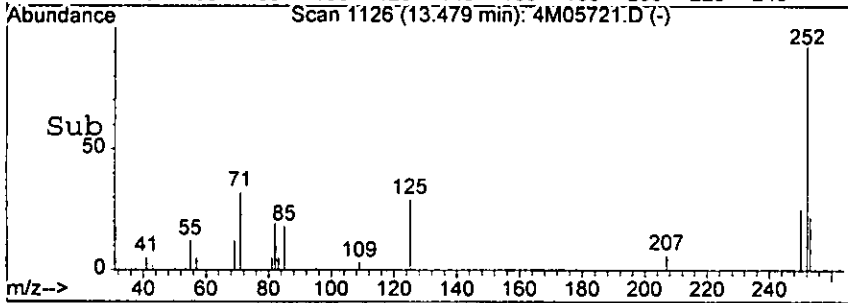
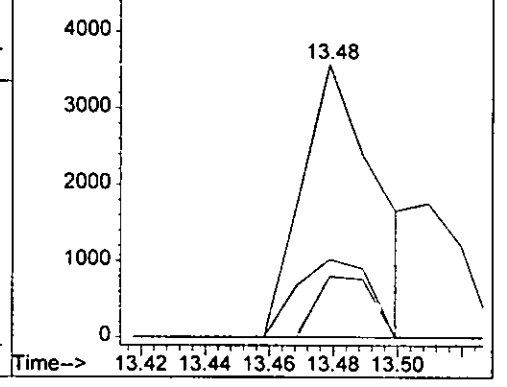
#83
 Benzo [b] fluoranthene
 Concen: 3.67 ng m
 RT: 13.48 min Scan# 1126
 Delta R.T. 0.01 min
 Lab File: 4M05721.D
 Acq: 18 Aug 2005 20:23

0587

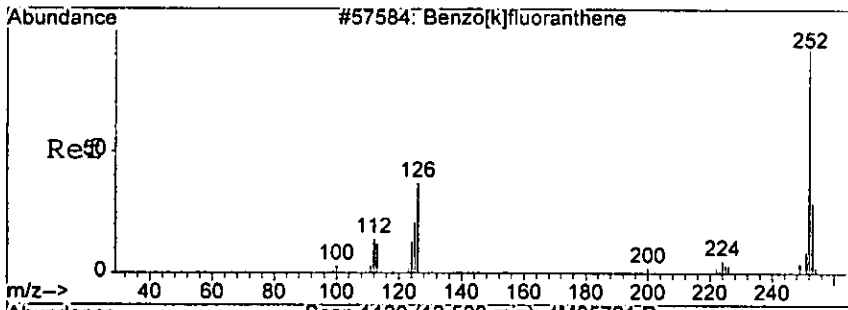
Tgt Ion	252	Resp	5735
Ion Ratio	Lower	Upper	
252	100		
253	22.3	0.0	63.3
125	28.6	0.0	57.6



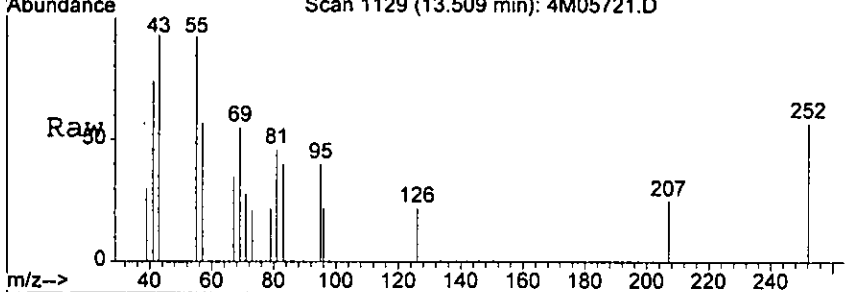
Abundance Ion 252.00 (251.70 to 252.70): 4M0572
 Ion 253.00 (252.70 to 253.70): 4M0572
 Ion 125.00 (124.70 to 125.70): 4M0572



Handwritten signature

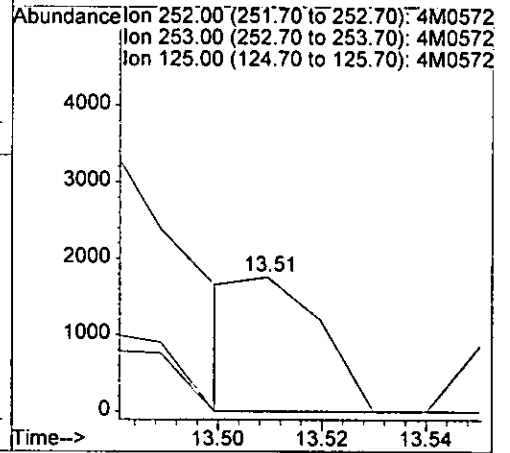
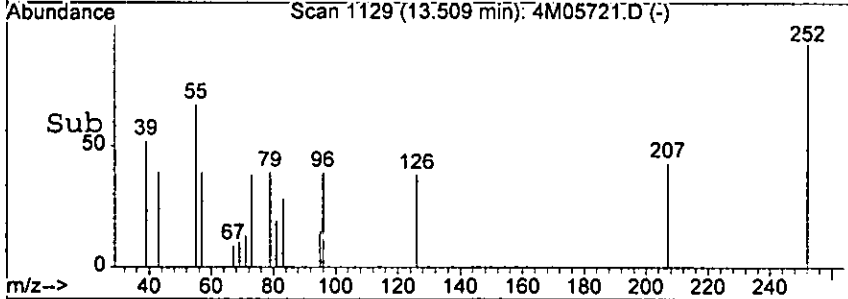


#84
 Benzo[k]fluoranthene
 Concen: 1.30 ng m
 RT: 13.51 min Scan# 1129
 Delta R.T. 0.01 min
 Lab File: 4M05721.D
 Acq: 18 Aug 2005 20:23

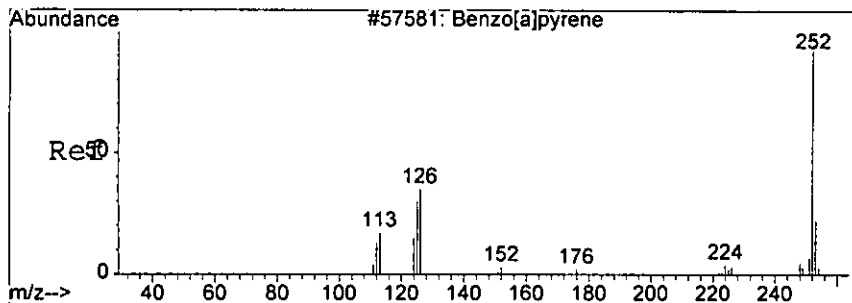


Tgt Ion: 252 Resp: 1812

Ion	Ratio	Lower	Upper
252	100		
253	0.0	0.0	63.5
125	0.0	0.0	53.8



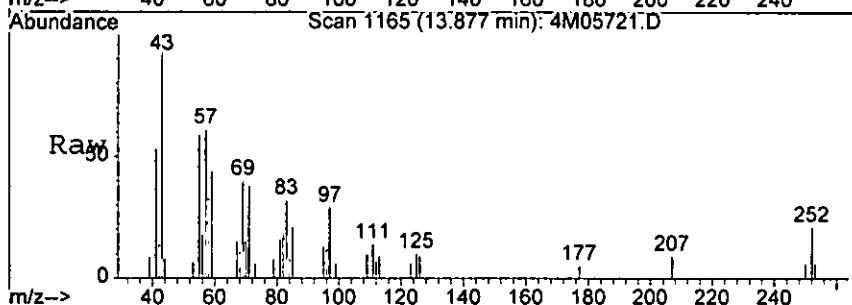
hazar



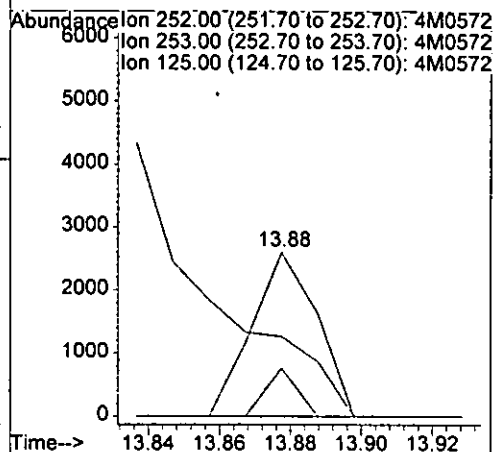
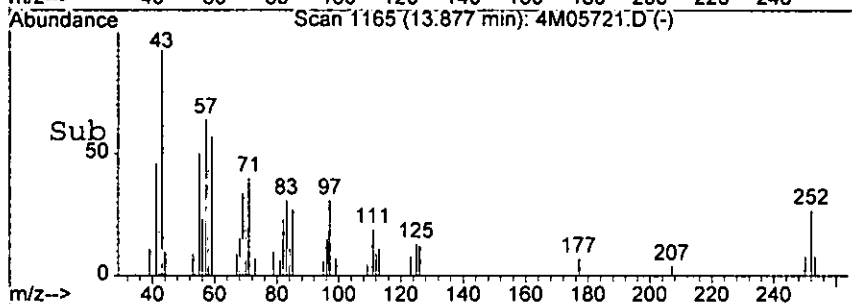
#85
 Benzo[a]pyrene
 Concen: 2.35 ng
 RT: 13.88 min Scan# 1165
 Delta R.T. 0.01 min
 Lab File: 4M05721.D
 Acq: 18 Aug 2005 20:23

0589

Tgt Ion	Resp	Lower	Upper
252	3302	100	
253	29.2	0.0	62.9
125	48.9	0.0	57.6



Abundance
 Ion 252.00 (251.70 to 252.70): 4M0572
 Ion 253.00 (252.70 to 253.70): 4M0572
 Ion 125.00 (124.70 to 125.70): 4M0572



hazar

Form1

ORGANICS SEMIVOLATILE REPORT

0698

Sample Number: AC19099-013
 Client Id: PCSB - 60 (0.5)
 Data File: 4M05733.D
 Analysis Date: 08/19/05 09:47
 Date Rec/Extracted: 08/16/05-08/17/05

Matrix: Soil
 Initial Vol: 30g
 Final Vol: 1ml
 Dilution: 1
 Solids: 92

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.0098	U	205-99-2	Benzo[b]fluoranthene	0.011	2.3
95-50-1	1,2-Dichlorobenzene	0.017	U	191-24-2	Benzo[g,h,i]perylene	0.0069	1.1
122-66-7	1,2-Diphenylhydrazine	0.010	U	207-08-9	Benzo[k]fluoranthene	0.012	0.71
541-73-1	1,3-Dichlorobenzene	0.015	U	111-91-1	bis(2-Chloroethoxy)methan	0.0083	U
106-46-7	1,4-Dichlorobenzene	0.018	U	111-44-4	bis(2-Chloroethyl)ether	0.019	U
95-95-4	2,4,5-Trichlorophenol	0.49	U	108-60-1	bis(2-chloroisopropyl)ether	0.012	U
88-06-2	2,4,6-Trichlorophenol	0.88	U	117-81-7	bis(2-Ethylhexyl)phthalat	0.033	0.34
120-83-2	2,4-Dichlorophenol	0.059	U	85-68-7	Butylbenzylphthalate	0.015	0.12
105-67-9	2,4-Dimethylphenol	0.050	U	86-74-8	Carbazole	0.011	0.19
51-28-5	2,4-Dinitrophenol	0.25	U	218-01-9	Chrysene	0.0075	1.6
121-14-2	2,4-Dinitrotoluene	0.013	U	84-74-2	Di-n-butylphthalate	0.0081	0.067 B
606-20-2	2,6-Dinitrotoluene	0.015	U	117-84-0	Di-n-octylphthalate	0.0086	U
91-58-7	2-Chloronaphthalene	0.010	U	53-70-3	Dibenzo[a,h]anthracene	0.013	0.44
95-57-8	2-Chlorophenol	0.074	U	132-64-9	Dibenzofuran	0.046	0.20
91-57-6	2-Methylnaphthalene	0.047	0.55	84-66-2	Diethylphthalate	0.0099	U
95-48-7	2-Methylphenol	0.17	U	131-11-3	Dimethylphthalate	0.0082	U
88-74-4	2-Nitroaniline	0.025	U	206-44-0	Fluoranthene	0.010	1.9
88-75-5	2-Nitrophenol	0.042	U	86-73-7	Fluorene	0.0092	0.25
106-44-5	3&4-Methylphenol	0.19	U	118-74-1	Hexachlorobenzene	0.017	U
91-94-1	3,3'-Dichlorobenzidine	0.079	U	87-68-3	Hexachlorobutadiene	0.015	U
99-09-2	3-Nitroaniline	0.15	U	77-47-4	Hexachlorocyclopentadiene	0.096	U
534-52-1	4,6-Dinitro-2-methylphenol	0.069	U	67-72-1	Hexachloroethane	0.027	U
101-55-3	4-Bromophenyl-phenylether	0.014	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.0050	0.98
59-50-7	4-Chloro-3-methylphenol	0.092	U	78-59-1	Isophorone	0.011	U
106-47-8	4-Chloroaniline	0.28	U	621-64-7	N-Nitroso-di-n-propylamine	0.017	U
7005-72-3	4-Chlorophenyl-phenylether	0.017	U	62-75-9	N-Nitrosodimethylamine	0.43	U
100-01-6	4-Nitroaniline	0.089	U	86-30-6	n-Nitrosodiphenylamine	0.017	U
100-02-7	4-Nitrophenol	0.064	U	91-20-3	Naphthalene	0.0085	0.30
83-32-9	Acenaphthene	0.015	0.18	98-95-3	Nitrobenzene	0.014	U
208-96-8	Acenaphthylene	0.0084	0.15	87-86-5	Pentachlorophenol	0.045	U
120-12-7	Anthracene	0.0095	0.40	85-01-8	Phenanthrene	0.0083	1.6
92-87-5	Benzidine	0.082	U	108-95-2	Phenol	0.055	U
56-55-3	Benzo[a]anthracene	0.0063	1.6	129-00-0	Pyrene	0.0084	4.0
50-32-8	Benzo[a]pyrene	0.0083	1.6				

Worksheet #: 18797

Total Target Concentration 20.577

U - Indicates the compound was analyzed but not detected.
 B - Indicates the analyte was found in the blank as well as in the sample.
 E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
 J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

Data File : G:\GcMsData\2005\Gcms_4\Data\08-19-05\4M05733.D Vial: 8
 Acq On : 19 Aug 2005 9:47 Operator: AHD
 Sample : AC19099-013 Inst : GCMS
 Misc : S,BNA Multiplr: 1.00

MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:24 2005

Quant Results File: 4M_0818.RES

Quant Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration
 DataAcq Meth : 4M_0818

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	4.78	152	72097	40.00	ng	0.00
19) Naphthalene-d8	5.77	136	232432	40.00	ng	0.00
35) Acenaphthene-d10	7.32	164	123121	40.00	ng	0.00
59) Phenanthrene-d10	8.92	188	170348	40.00	ng	0.00
72) Chrysene-d12	12.09	240	57327	40.00	ng	0.00
81) Perylene-d12	13.94	264	33761	40.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	3.62	112	266739	133.77	ng	0.00
Spiked Amount	200.000		Recovery	=	66.89%	
7) Phenol-d5	4.50	99	365405	145.08	ng	0.00
Spiked Amount	200.000		Recovery	=	72.54%	
20) Nitrobenzene-d5	5.22	128	80424	74.85	ng	0.00
Spiked Amount	100.000		Recovery	=	74.85%	
40) 2-Fluorobiphenyl	6.68	172	299992	77.13	ng	0.00
Spiked Amount	100.000		Recovery	=	77.13%	
62) 2,4,6-Tribromophenol	8.15	332	124811	180.97	ng	0.00
Spiked Amount	200.000		Recovery	=	90.49%	
75) Terphenyl-d14	10.81	244	181068	134.49	ng	0.00
Spiked Amount	100.000		Recovery	=	134.49%	

Target Compounds

						Qvalue
29) Naphthalene	5.78	128	45969	8.35	ng	98
33) 2-Methylnaphthalene	6.35	142	56738	15.22	ng	94
46) Acenaphthylene	7.18	152	21909	4.01	ng	93
49) Acenaphthene	7.35	153	16782	4.92	ng	96
52) Dibenzofuran	7.53	168	26644	5.48	ng	93
55) Fluorene	7.89	166	25422	6.90	ng	97
67) Phenanthrene	8.94	178	190105	42.88	ng	99
68) Anthracene	9.00	178	49450	11.09	ng	98
69) Carbazole	9.20	167	22346	5.17	ng	97
70) Di-n-butylphthalate	9.65	149	11085	1.85	ng	78
71) Fluoranthene	10.33	202	250120	52.02	ng	96
73) Pyrene	10.60	202	217945	110.95	ng	84
76) Butylbenzylphthalate	11.44	149	3425	3.28	ng	80
78) Benzo[a]anthracene	12.08	228	80770	44.98	ng	94
79) Chrysene	12.13	228	77582	45.42	ng	98
80) bis(2-Ethylhexyl)phthalate	12.21	149	13730	9.31	ng	93
83) Benzo[b]fluoranthene	13.47	252	80175m	64.65	ng	
84) Benzo[k]fluoranthene	13.50	252	21654m	19.61	ng	
85) Benzo[a]pyrene	13.87	252	48673	43.51	ng	96

(#) = qualifier out of range (m) = manual integration

1820

Data File : G:\GcMsData\2005\Gcms_4\Data\08-19-05\4M05733.D Vial: 8
 Acq On : 19 Aug 2005 9:47 Operator: AHD
 Sample : AC19099-013 Inst : GCMS_4
 Misc : S,BNA Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:24 2005 Quant Results File: 4M_0818.RES

Quant Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration
 DataAcq Meth : 4M_0818

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
86) Indeno[1,2,3-cd]pyrene	15.18	276	36135	26.92	ng	89
87) Dibenzo[a,h]anthracene	15.20	278	12647	12.07	ng	91
88) Benzo[g,h,i]perylene	15.45	276	34334	31.06	ng	97

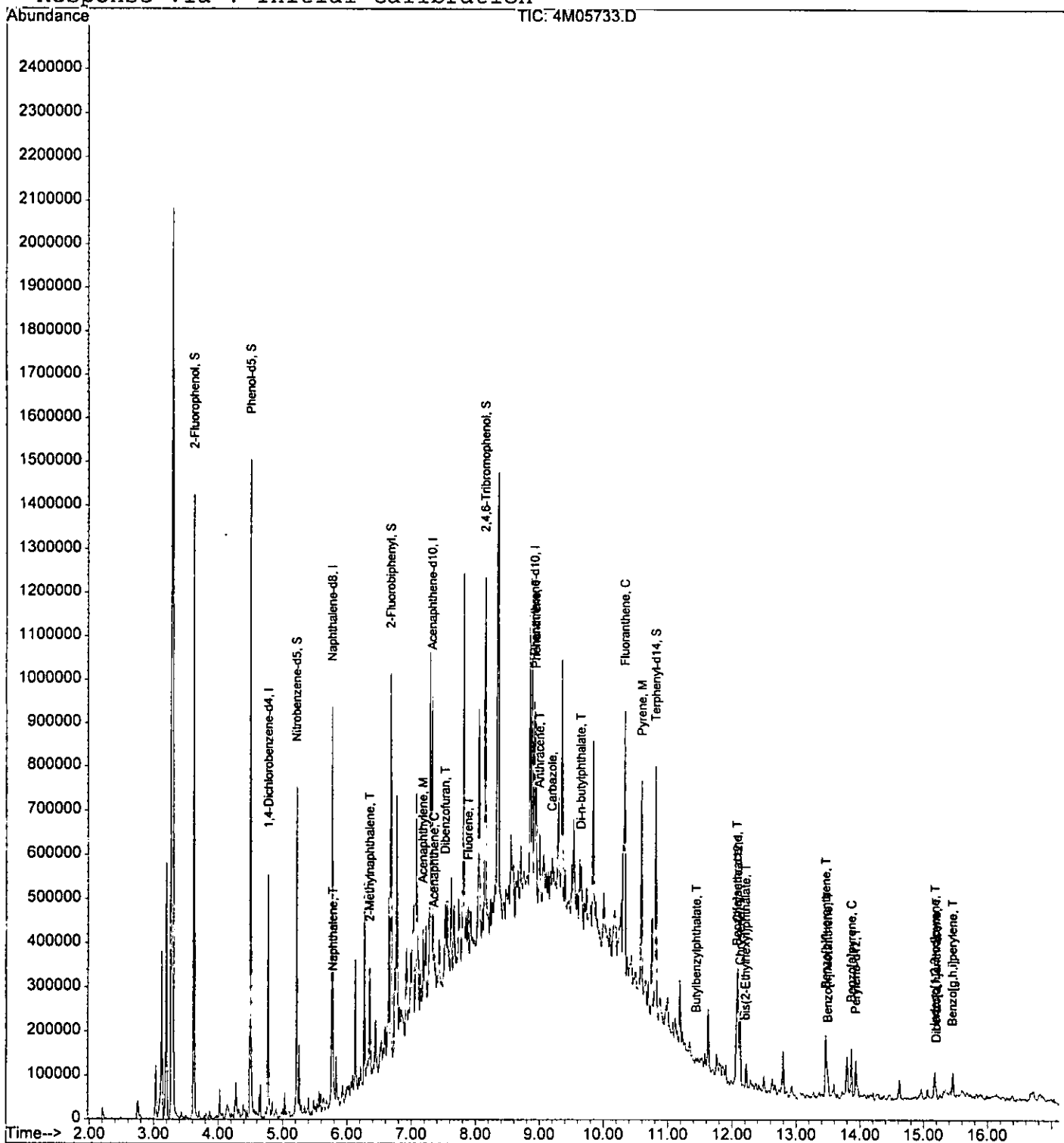
(#) = qualifier out of range (m) = manual integration

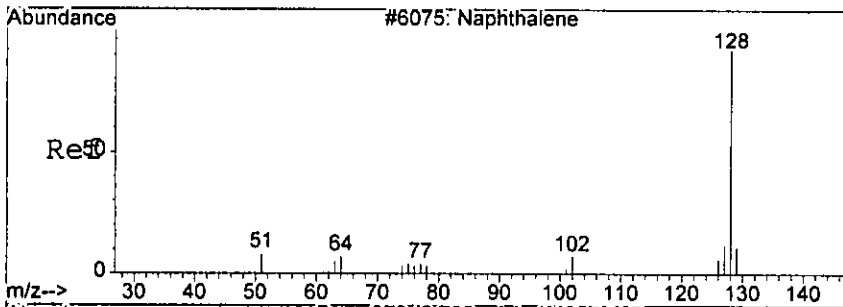
Quantitation Report

Data File : G:\GcMsData\2005\Gcms_4\Data\08-19-05\4M05733.D Vial: 8
Acq On : 19 Aug 2005 9:47 Operator: AHD
Sample : AC19099-013 Inst : GCMS
Misc : S,BNA Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 29 16:24 2005

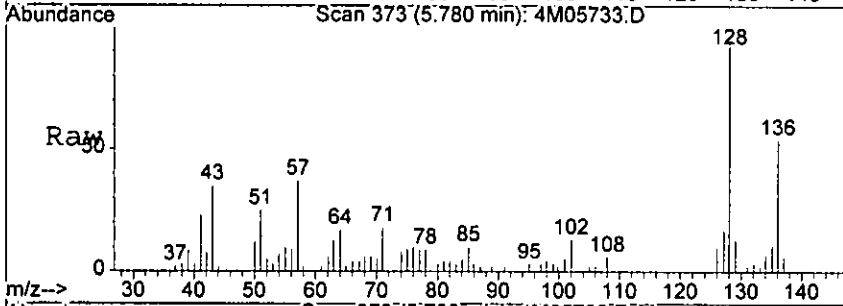
Quant Results File: 4M_0818.RES

Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
Title : @GCMS_4,mg,625,8270
Last Update : Thu Aug 18 14:49:57 2005
Response via : Initial Calibration



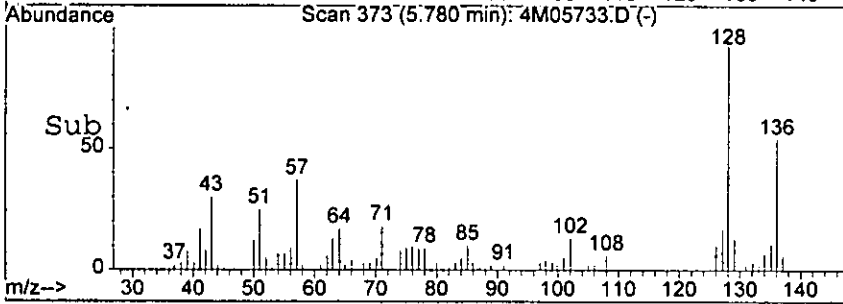


#29
 Naphthalene
 Concen: 8.35 ng
 RT: 5.78 min Scan# 373
 Delta R.T. -0.01 min
 Lab File: 4M05733.D
 Acq: 19 Aug 2005 9:47

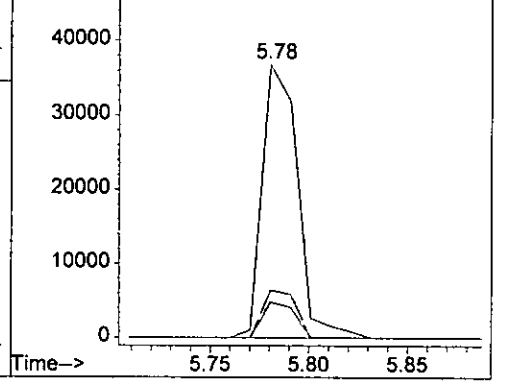


Tgt Ion: 128 Resp: 45969

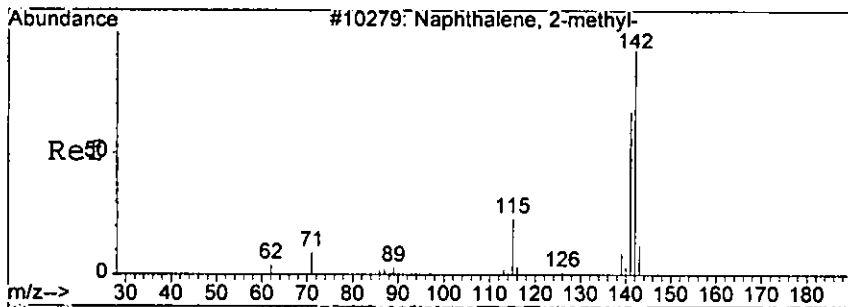
Ion	Ratio	Lower	Upper
128	100		
129	13.0	0.0	51.8
127	17.4	0.0	57.0



Abundance Ion 128.00 (127.70 to 128.70): 4M0573
 50000 Ion 129.00 (128.70 to 129.70): 4M0573
 Ion 127.00 (126.70 to 127.70): 4M0573

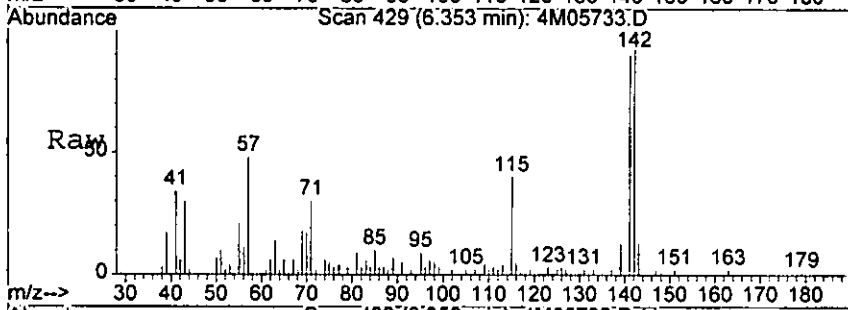


low

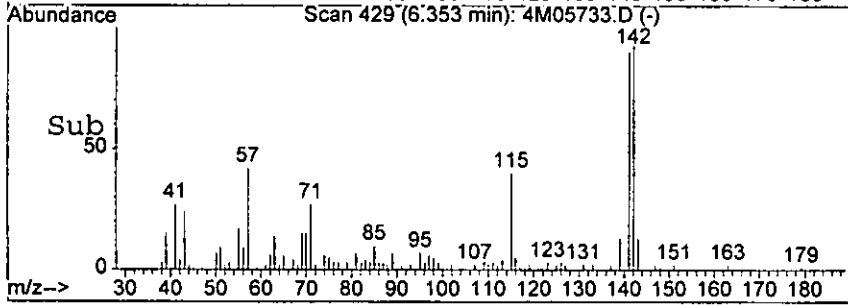
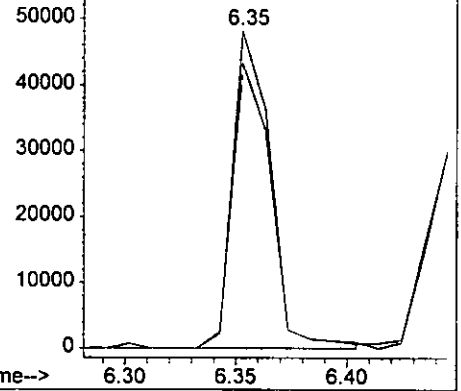


#33
 2-Methylnaphthalene
 Concen: 15.22 ng
 RT: 6.35 min Scan# 429
 Delta R.T. -0.01 min
 Lab File: 4M05733.D
 Acq: 19 Aug 2005 9:47

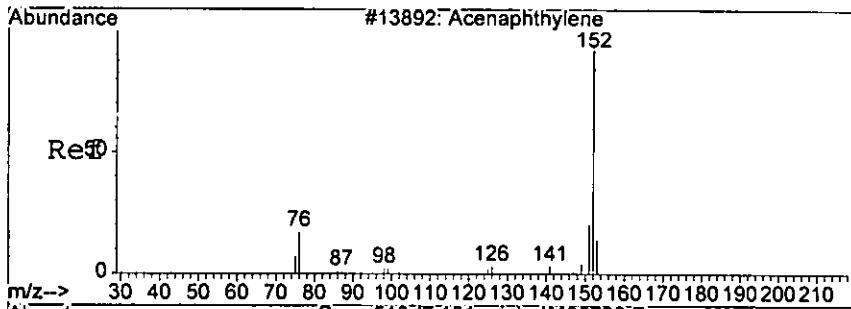
Tgt Ion: 142 Resp: 56738
 Ion Ratio Lower Upper
 142 100
 141 90.0 55.7 135.7



Abundance Ion 142.00 (141.70 to 142.70): 4M0573
 Ion 141.00 (140.70 to 141.70): 4M0573



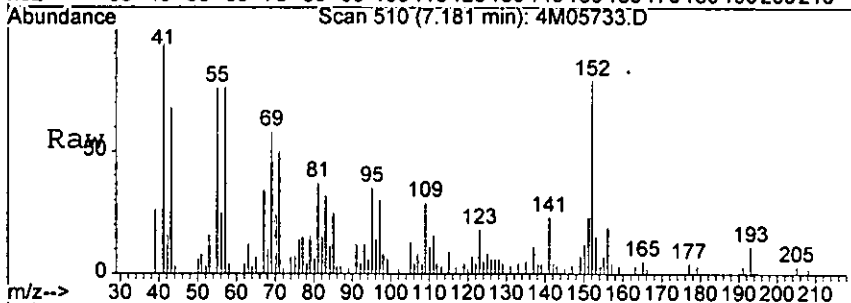
Bar



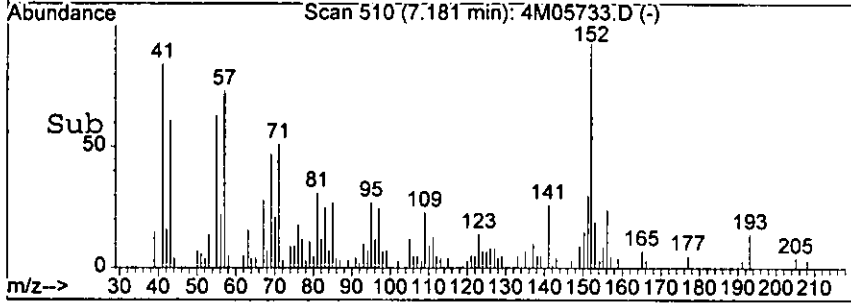
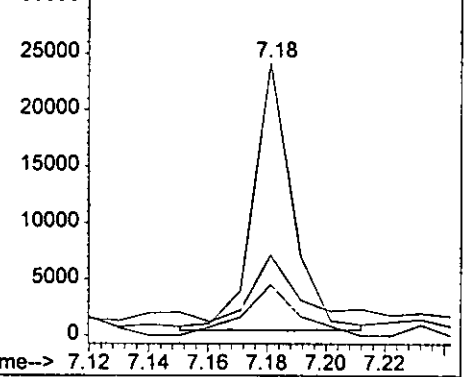
#46
 Acenaphthylene
 Concen: 4.01 ng
 RT: 7.18 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: 4M05733.D
 Acq: 19 Aug 2005 9:47

0698

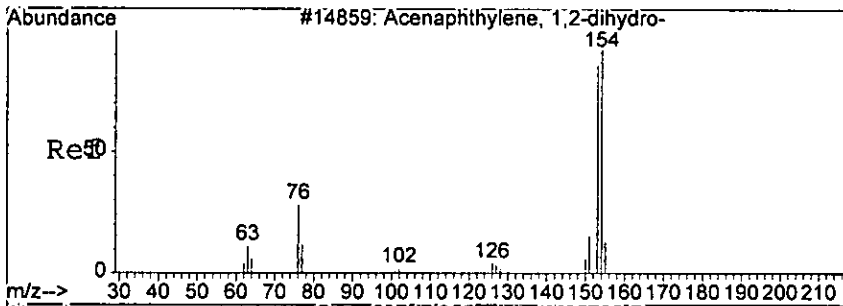
Tgt Ion	Resp	Lower	Upper
152	21909		
151	21.7	0.0	63.6
153	19.4	0.0	53.8



Abundance Ion 152.00 (151.70 to 152.70): 4M0573
 Ion 151.00 (150.70 to 151.70): 4M0573
 Ion 153.00 (152.70 to 153.70): 4M0573



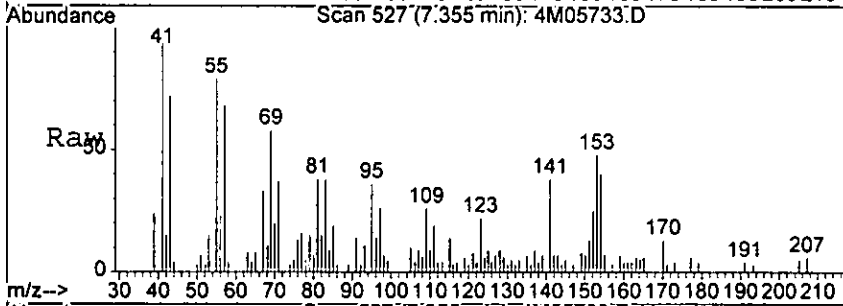
hgr



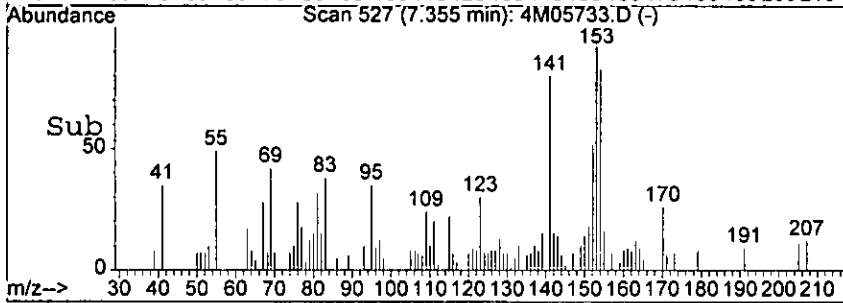
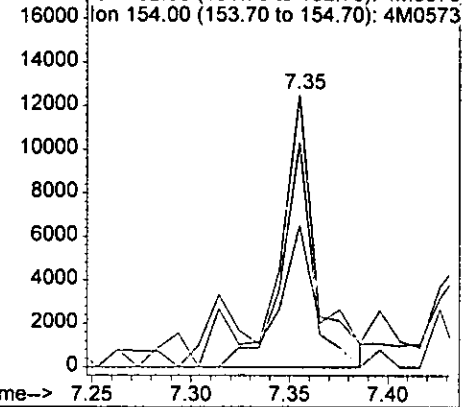
#49
 Acenaphthene
 Concen: 4.92 ng
 RT: 7.35 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: 4M05733.D
 Acq: 19 Aug 2005 9:47

0697

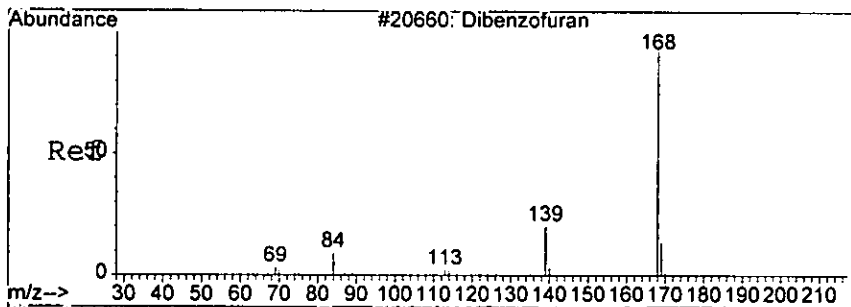
Tgt Ion:	153	Resp:	16782
Ion Ratio	Lower	Upper	
153	100		
152	52.1	8.3	88.3
154	82.6	45.1	125.1



Abundance Ion 153.00 (152.70 to 153.70): 4M0573
 Ion 152.00 (151.70 to 152.70): 4M0573
 Ion 154.00 (153.70 to 154.70): 4M0573



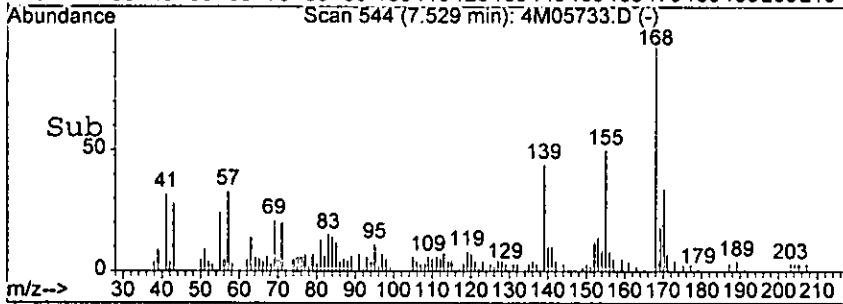
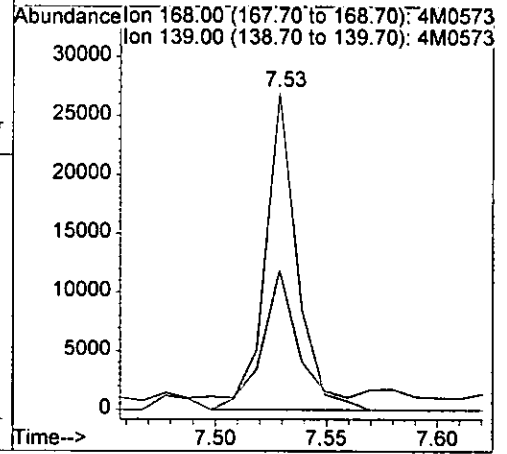
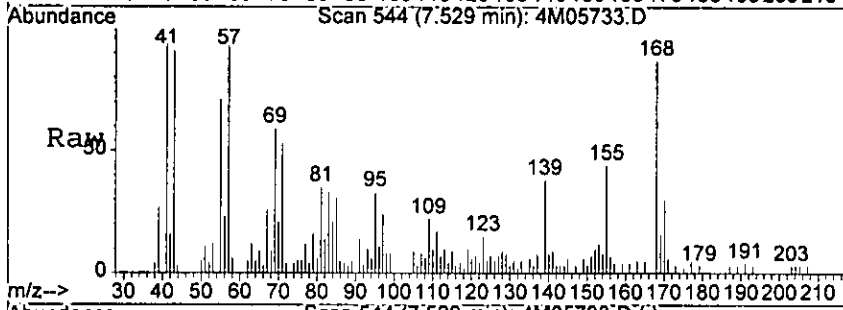
Handwritten signature



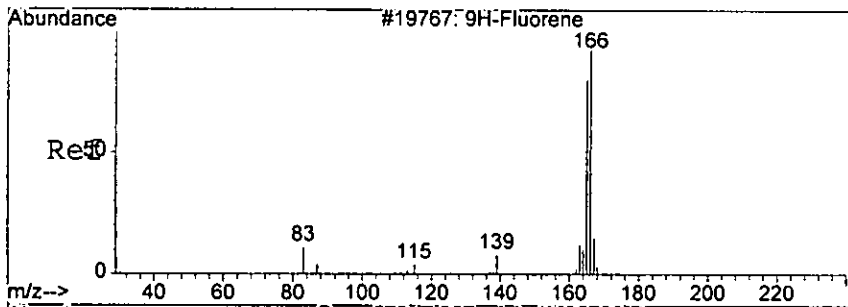
#52
 Dibenzofuran
 Concen: 5.48 ng
 RT: 7.53 min Scan# 544
 Delta R.T. -0.00 min
 Lab File: 4M05733.D
 Acq: 19 Aug 2005 9:47

0598

Tgt Ion	Resp	Lower	Upper
168	26644	100	100
139	39.8	6.0	66.0

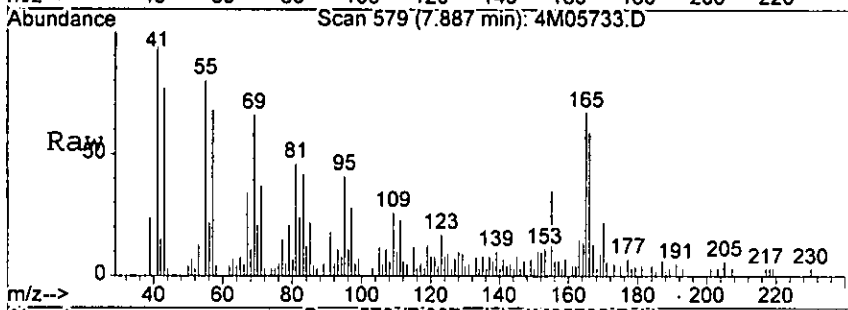


RAM



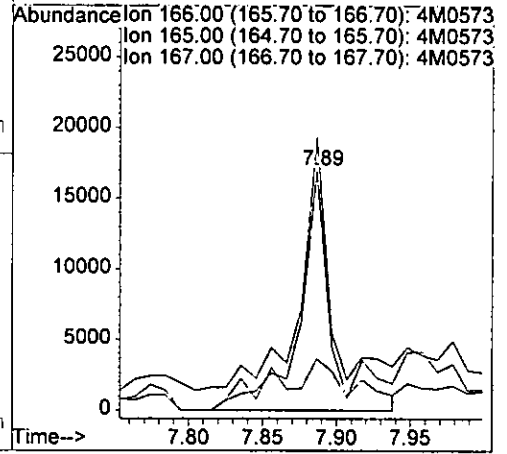
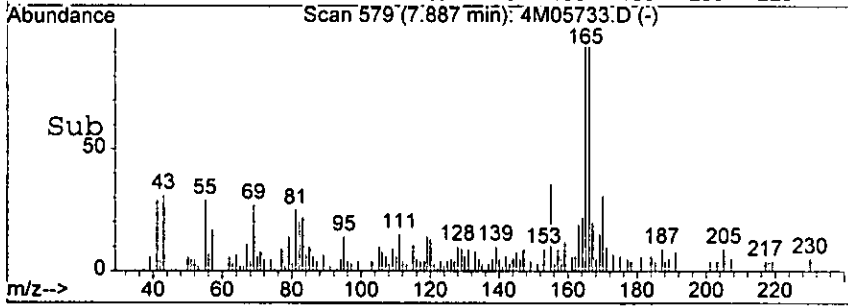
#55
 Fluorene
 Concen: 6.90 ng
 RT: 7.89 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: 4M05733.D
 Acq: 19 Aug 2005 9:47

0593

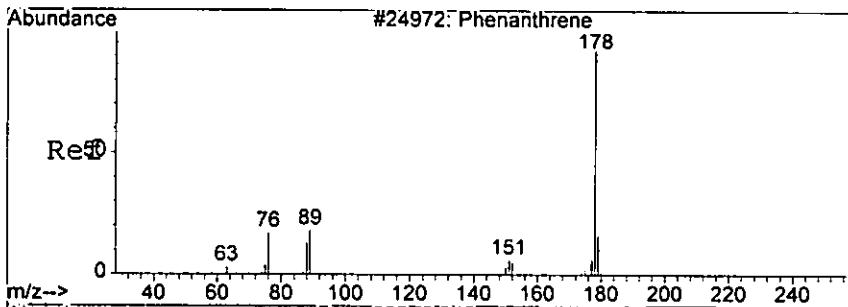


Tgt Ion: 166 Resp: 25422

Ion	Ratio	Lower	Upper
166	100		
165	104.6	63.3	143.3
167	21.4	0.0	54.6



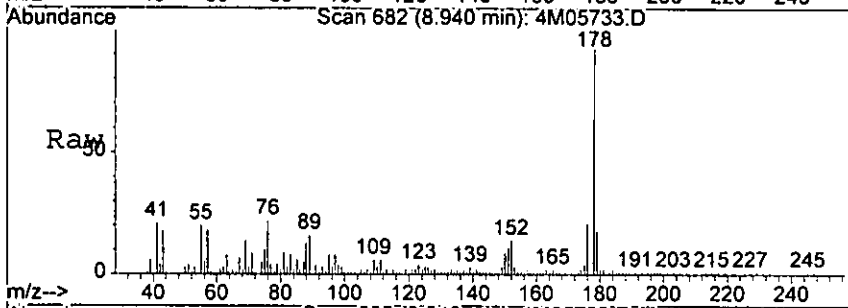
Handwritten signature: L.A.R.



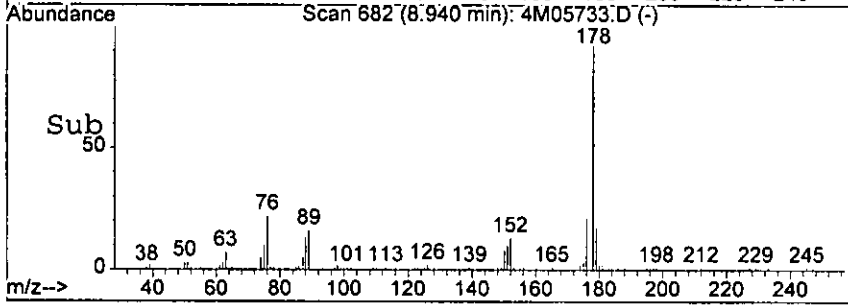
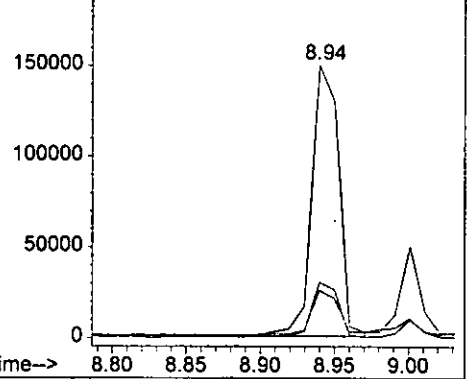
#67
 Phenanthrene
 Concen: 42.88 ng
 RT: 8.94 min Scan# 682
 Delta R.T. -0.00 min
 Lab File: 4M05733.D
 Acq: 19 Aug 2005 9:47

07010

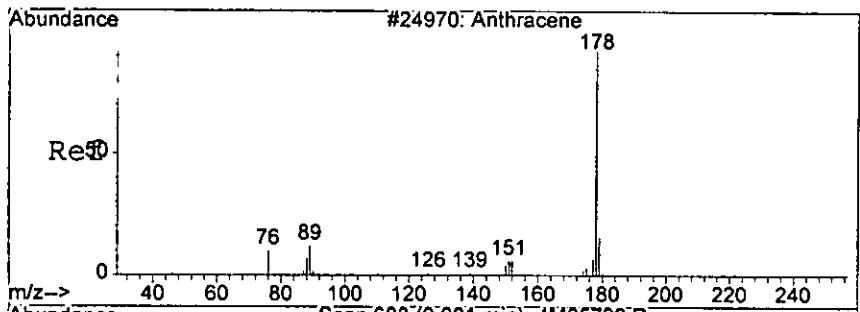
Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.4	0.0	56.6
176	20.2	0.0	60.5



Abundance Ion 178.00 (177.70 to 178.70): 4M0573
 200000 Ion 179.00 (178.70 to 179.70): 4M0573
 Ion 176.00 (175.70 to 176.70): 4M0573

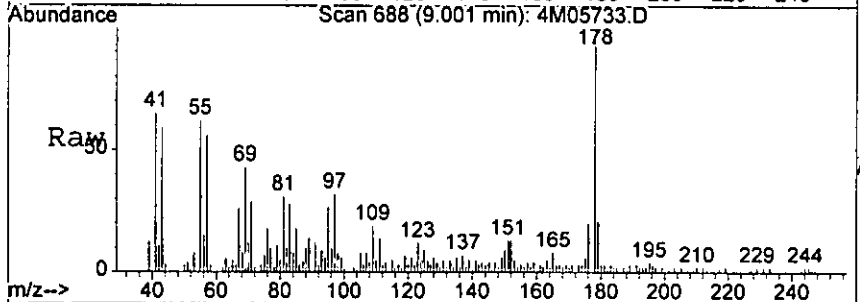


Handwritten signature

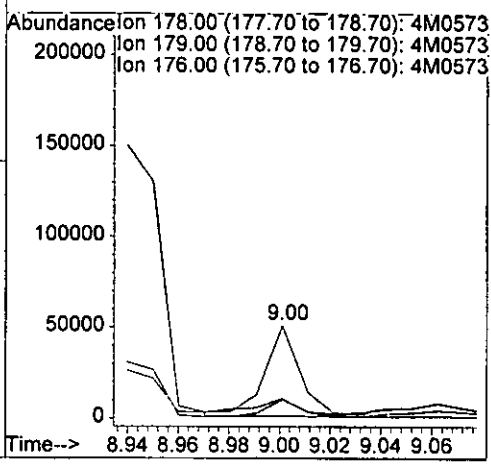
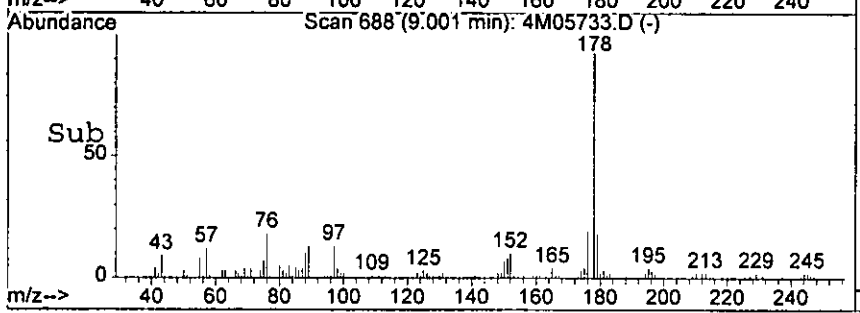


#68
 Anthracene
 Concn: 11.09 ng
 RT: 9.00 min Scan# 688
 Delta R.T. -0.00 min
 Lab File: 4M05733.D
 Acq: 19 Aug 2005 9:47

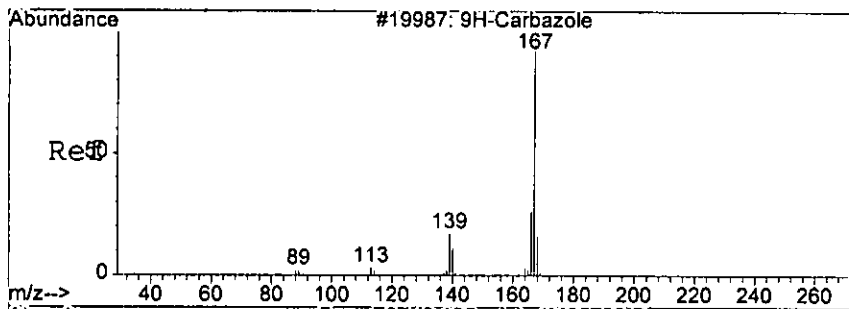
07/11/05



Tgt Ion	Resp	Lower	Upper
178	49450		
179	15.6	0.0	56.6
176	19.1	0.0	60.2



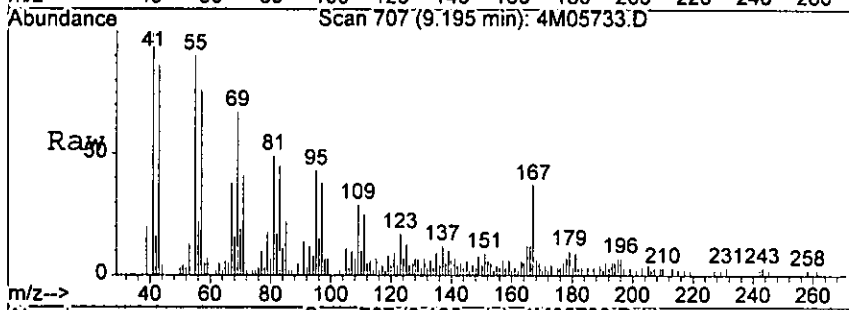
Handwritten signature



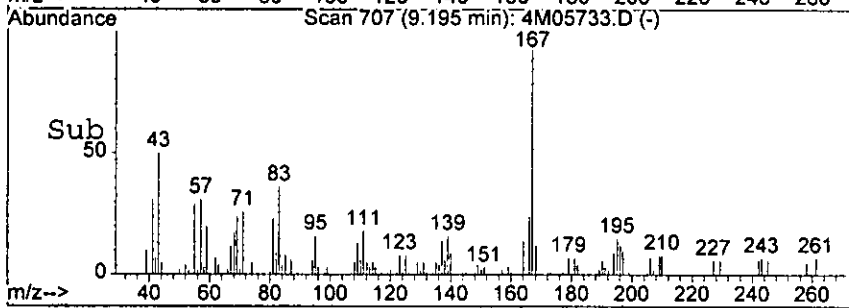
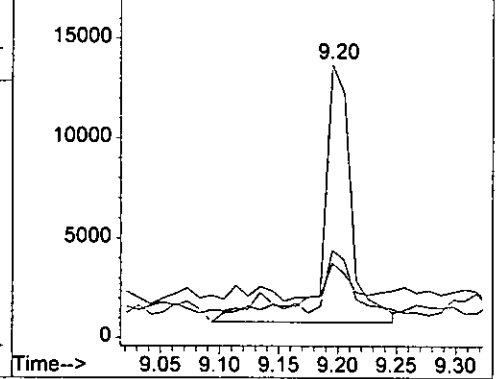
#69
 Carbazole
 Concen: 5.17 ng
 RT: 9.20 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: 4M05733.D
 Acq: 19 Aug 2005 9:47

07070

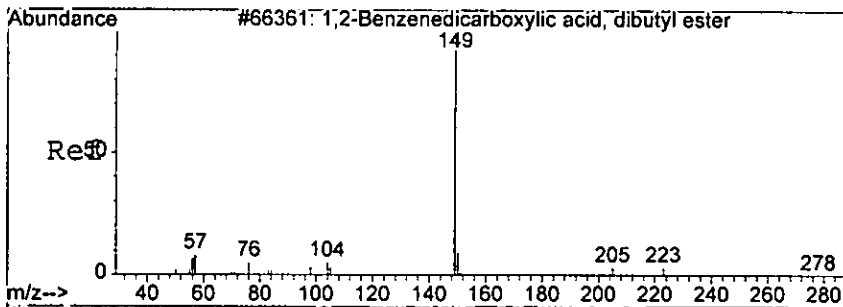
Tgt Ion	Resp	Lower	Upper
167	22346	100	
166	23.2	4.9	44.9
139	12.6	0.0	33.9



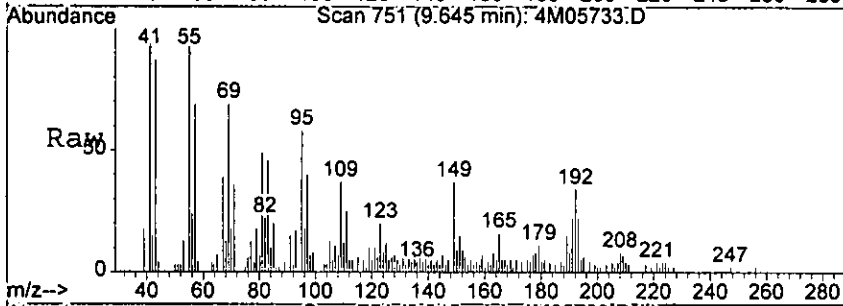
Abundance Ion 167.10 (166.80 to 167.80): 4M0573
 Ion 166.20 (165.90 to 166.90): 4M0573
 Ion 139.05 (138.75 to 139.75): 4M0573



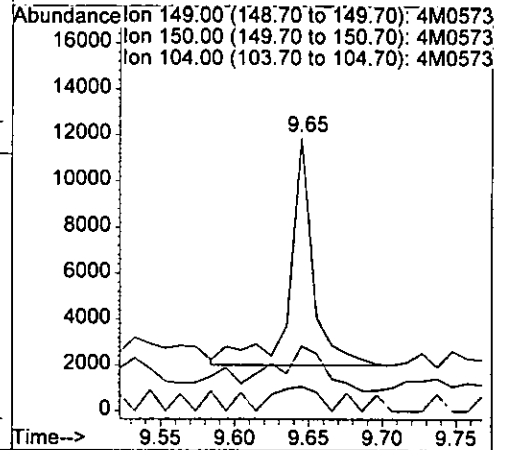
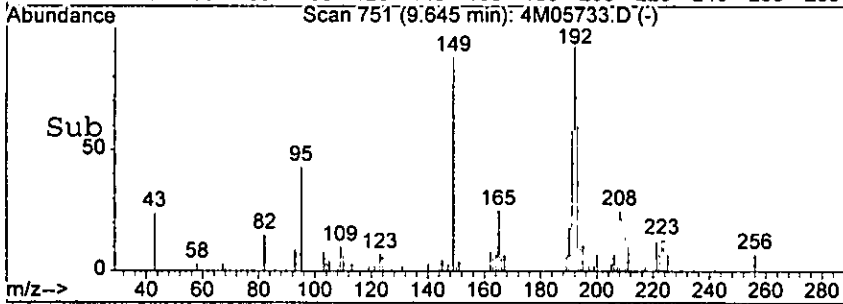
Low



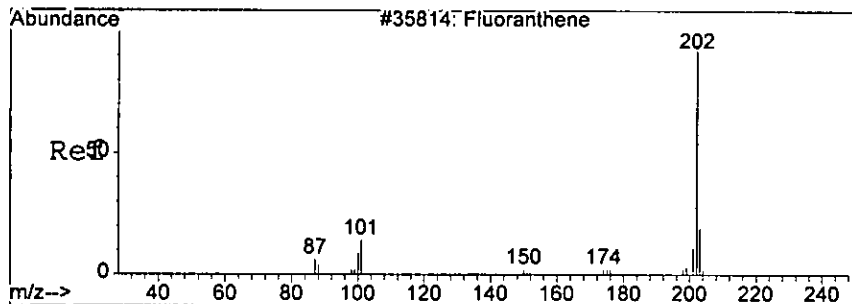
#70
 Di-n-butylphthalate
 Concen: 1.85 ng
 RT: 9.65 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: 4M05733.D
 Acq: 19 Aug 2005 9:47



Tgt Ion	Ratio	Resp	Lower	Upper
149	100	11085		
150	18.5		0.0	49.8
104	10.9		0.0	44.6

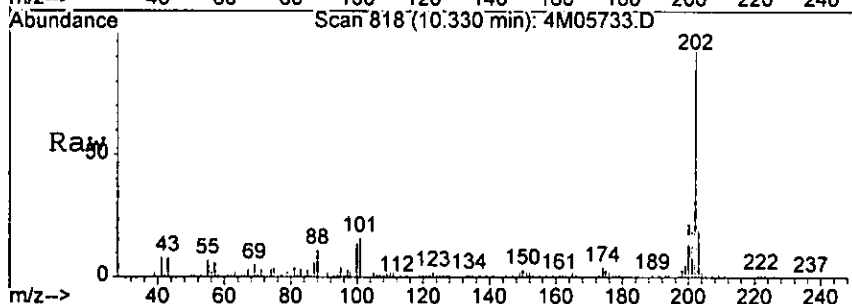


Handwritten signature

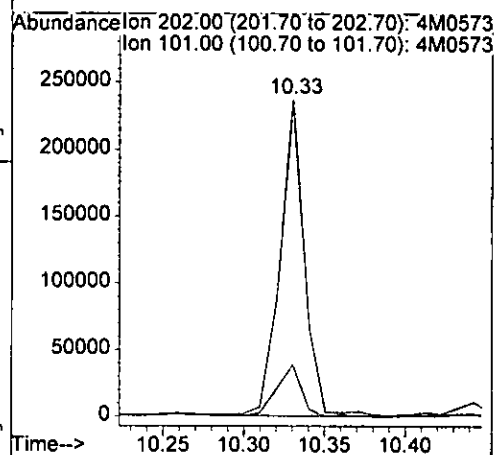
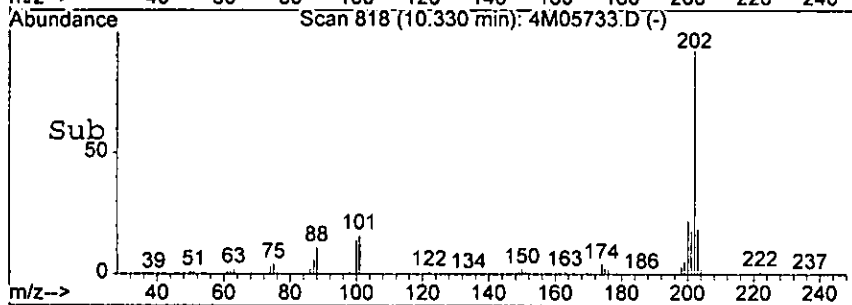


#71
 Fluoranthene
 Concen: 52.02 ng
 RT: 10.33 min Scan# 818
 Delta R.T. 0.01 min
 Lab File: 4M05733.D
 Acq: 19 Aug 2005 9:47

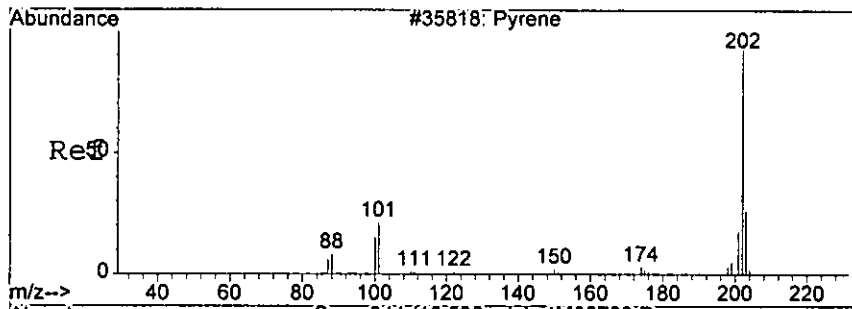
0701



Tgt Ion: 202 Resp: 250120
 Ion Ratio Lower Upper
 202 100
 101 16.4 0.0 58.3



1201

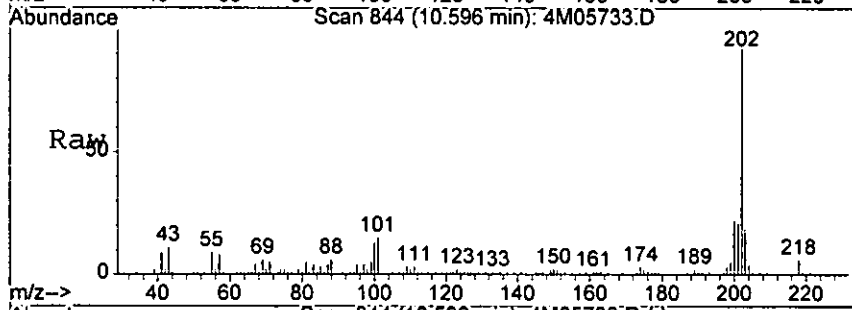


#73
 Pyrene
 Concen: 110.95 ng
 RT: 10.60 min Scan# 844
 Delta R.T. 0.01 min
 Lab File: 4M05733.D
 Acq: 19 Aug 2005 9:47

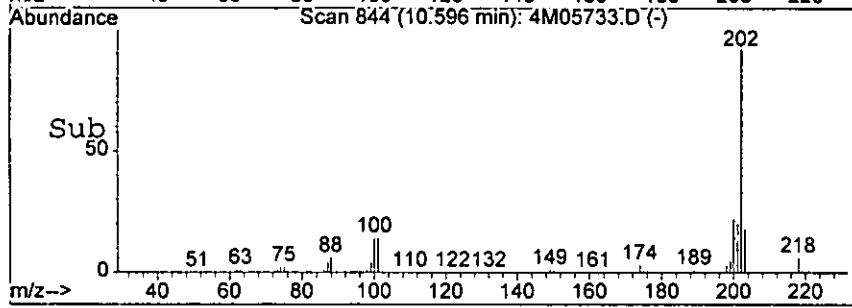
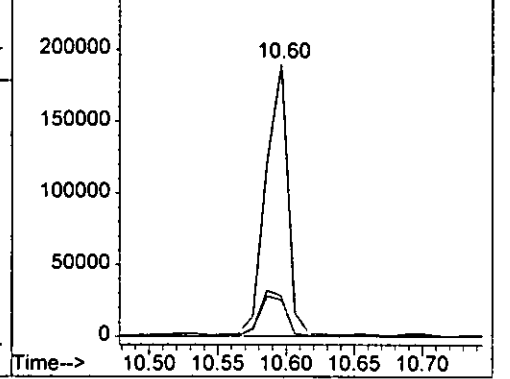
0702

Tgt Ion: 202 Resp: 217945

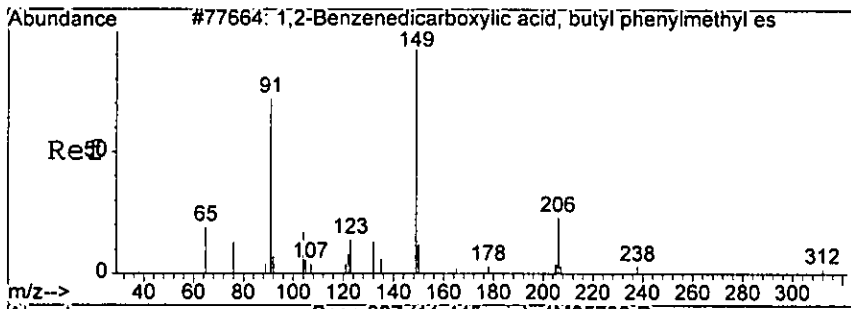
Ion	Ratio	Lower	Upper
202	100		
101	14.9	0.0	62.7
100	13.5	0.0	60.5



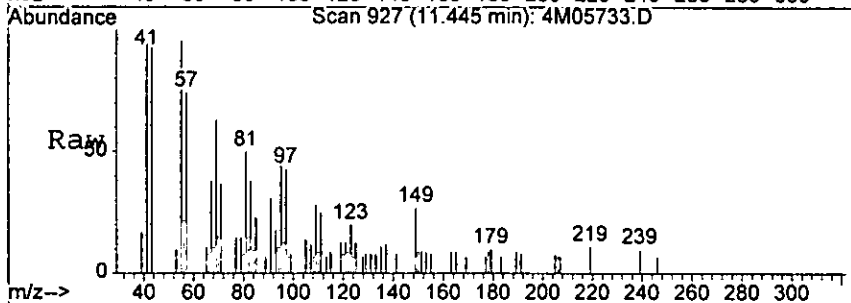
Abundance Ion 202.00 (201.70 to 202.70): 4M0573
 Ion 101.00 (100.70 to 101.70): 4M0573
 Ion 100.00 (99.70 to 100.70): 4M05733



Lead

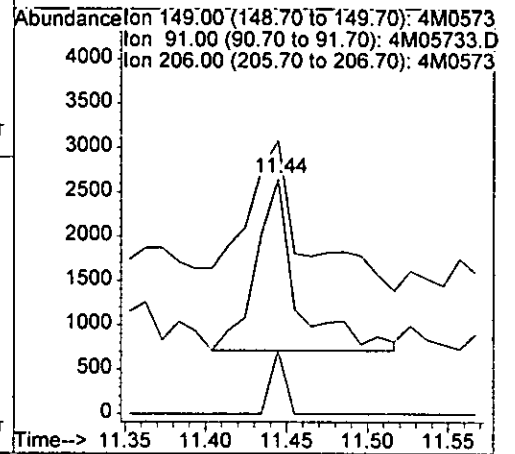
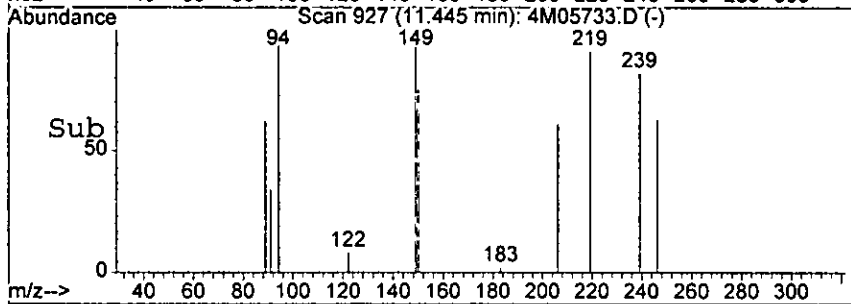


#76
 Butylbenzylphthalate
 Concen: 3.28 ng
 RT: 11.44 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: 4M05733.D
 Acq: 19 Aug 2005 9:47

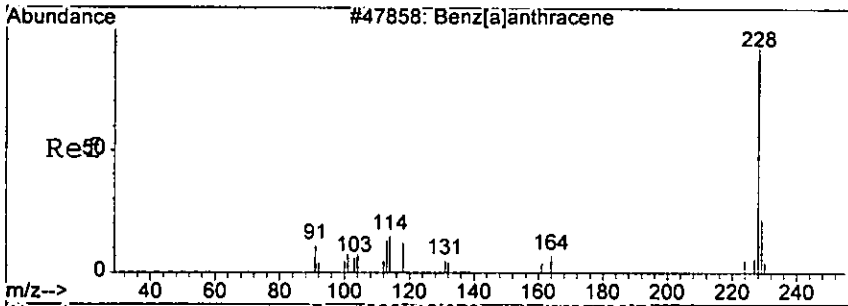


Tgt Ion: 149 Resp: 3425

Ion	Ratio	Lower	Upper
149	100		
91	87.5	35.6	115.6
206	36.5	0.0	54.4

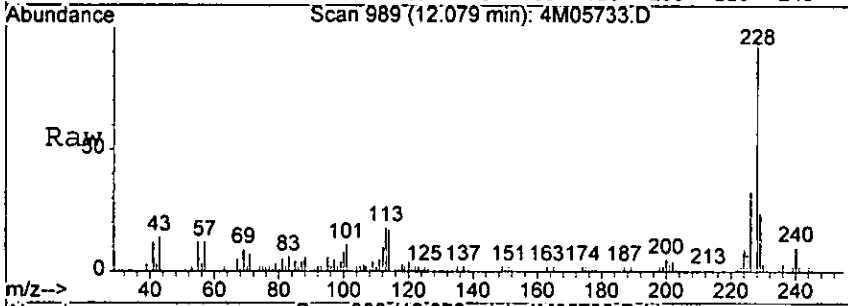


Handwritten signature

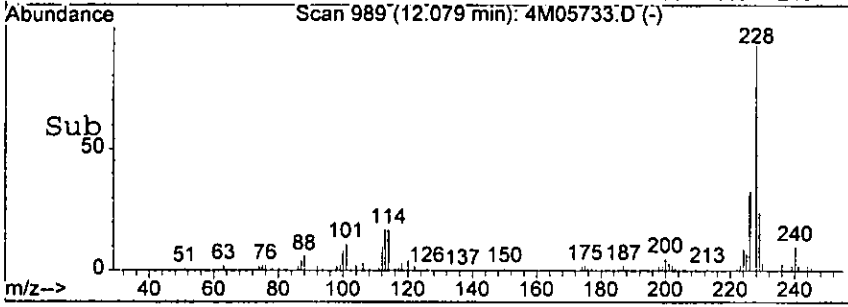
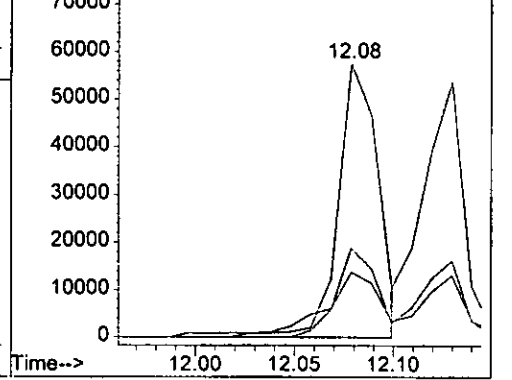


#78
 Benzo[a]anthracene
 Concen: 44.98 ng
 RT: 12.08 min Scan# 989
 Delta R.T. -0.00 min
 Lab File: 4M05733.D
 Acq: 19 Aug 2005 9:47

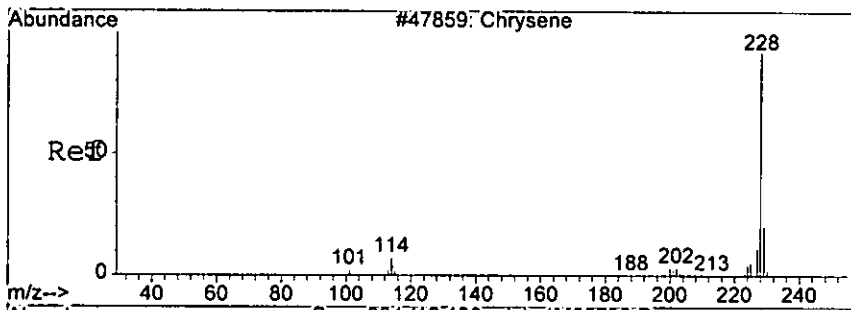
Tgt Ion	228	Resp	80770
Ion Ratio	100	Lower	Upper
229	22.7	0.0	60.5
226	32.8	0.0	69.0



Abundance Ion 228.00 (227.70 to 228.70): 4M0573
 Ion 229.00 (228.70 to 229.70): 4M0573
 Ion 226.00 (225.70 to 226.70): 4M0573

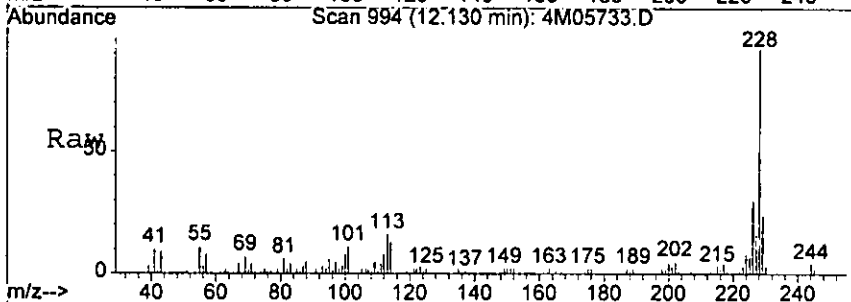


hara



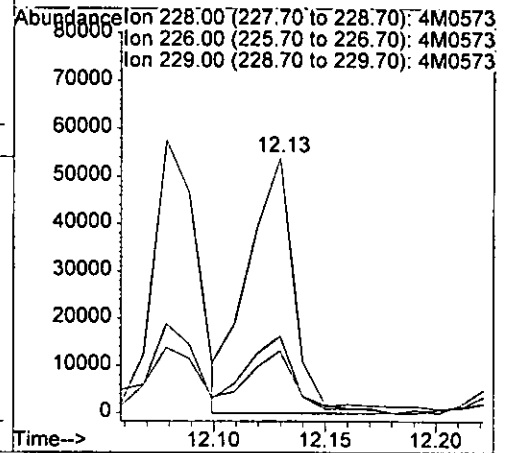
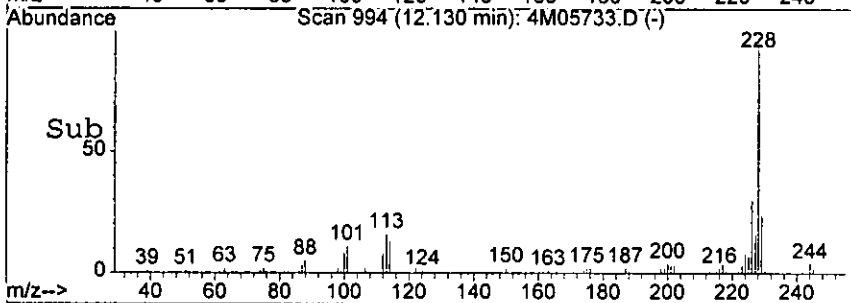
#79
 Chrysene
 Concen: 45.42 ng
 RT: 12.13 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: 4M05733.D
 Acq: 19 Aug 2005 9:47

07830

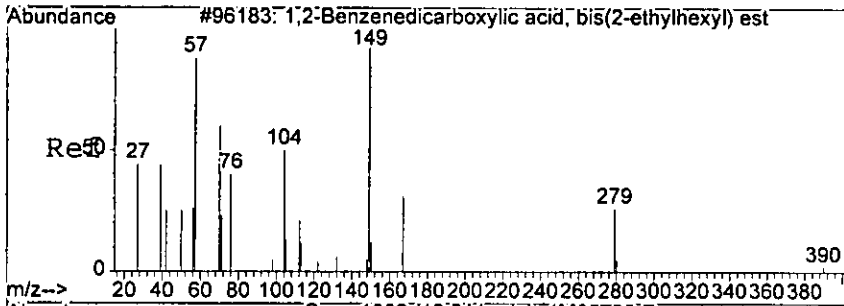


Tgt Ion: 228 Resp: 77582

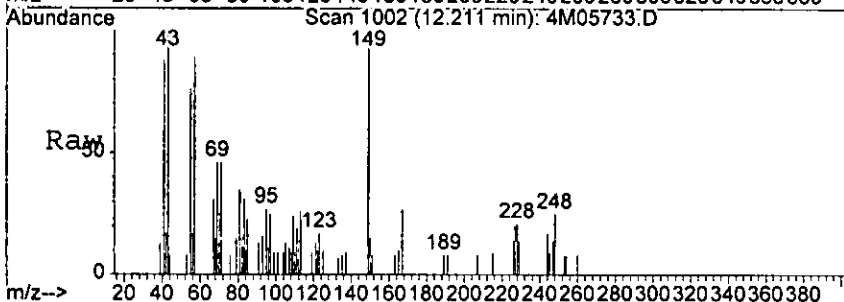
Ion	Ratio	Lower	Upper
228	100		
226	30.2	12.0	52.0
229	21.7	0.0	61.1



Handwritten signature

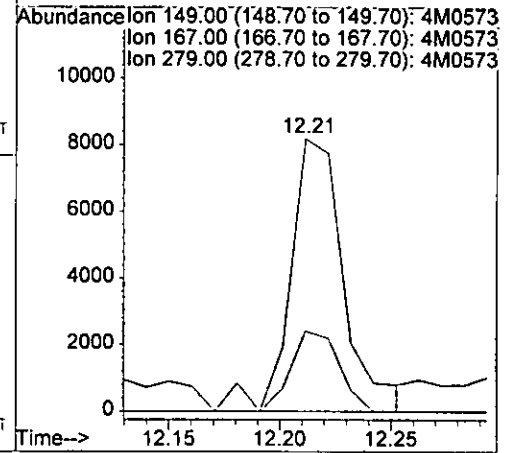
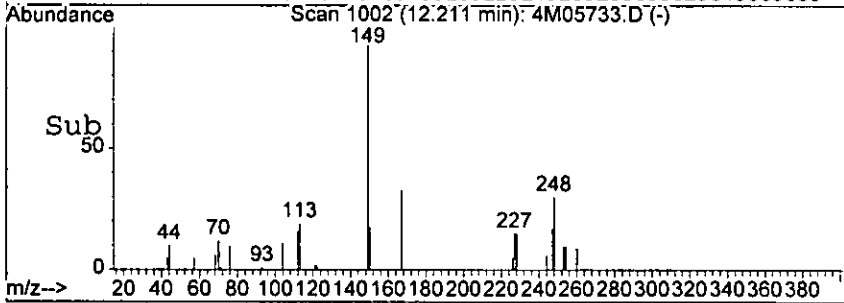


#80
 bis(2-Ethylhexyl)phthalate
 Concen: 9.31 ng
 RT: 12.21 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: 4M05733.D
 Acq: 19 Aug 2005 9:47

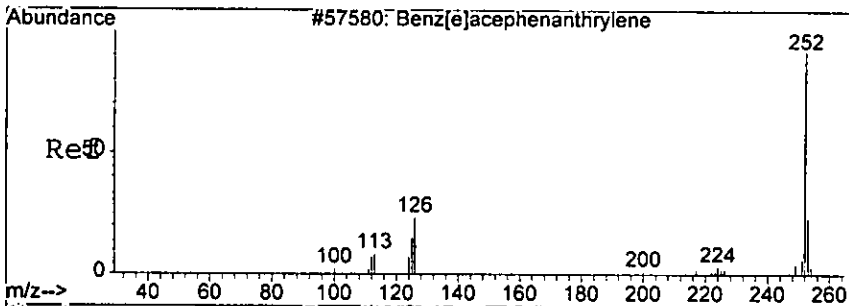


Tgt Ion: 149 Resp: 13730

Ion	Ratio	Lower	Upper
149	100		
167	29.4	0.0	53.9
279	0.0	0.0	43.5



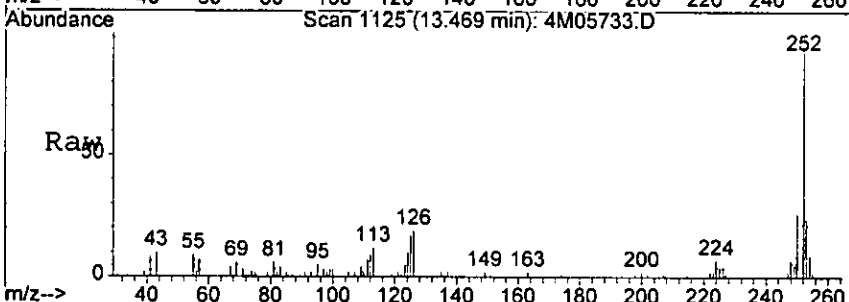
Low



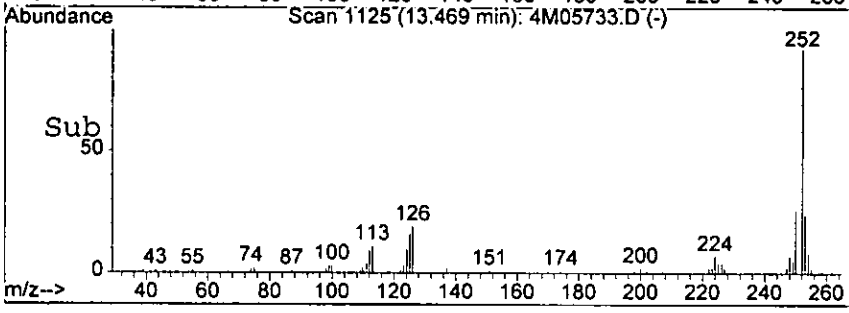
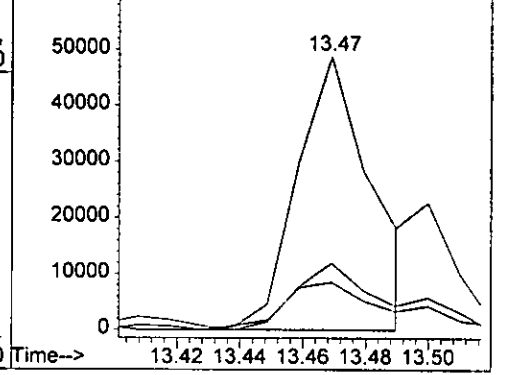
#83
 Benzo [b] fluoranthene
 Concen: 64.65 ng m
 RT: 13.47 min Scan# 1125
 Delta R.T. -0.00 min
 Lab File: 4M05733.D
 Acq: 19 Aug 2005 9:47

Tgt Ion: 252 Resp: 80175

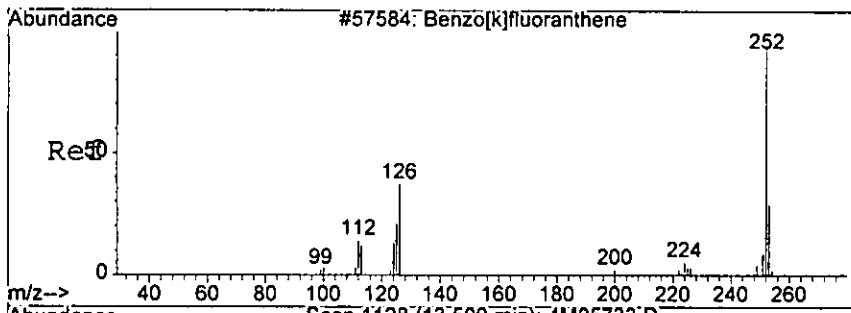
Ion	Ratio	Lower	Upper
252	100		
253	24.5	0.0	63.3
125	17.5	0.0	57.6



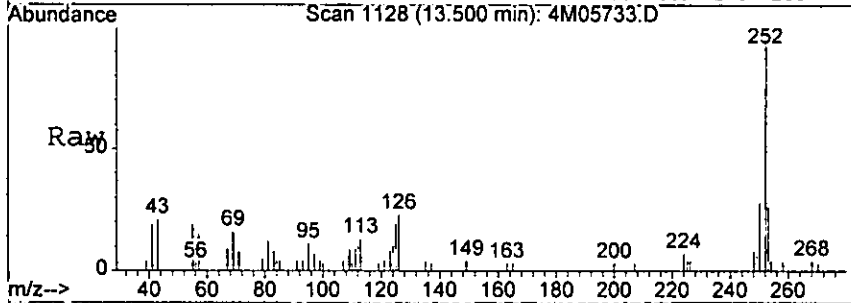
Abundance Ion 252.00 (251.70 to 252.70): 4M0573
 Ion 253.00 (252.70 to 253.70): 4M0573
 Ion 125.00 (124.70 to 125.70): 4M0573



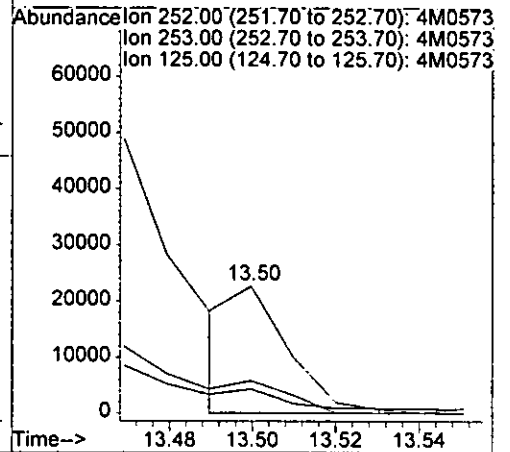
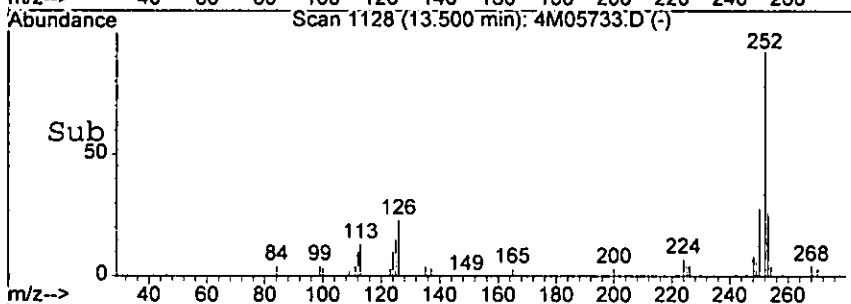
hca



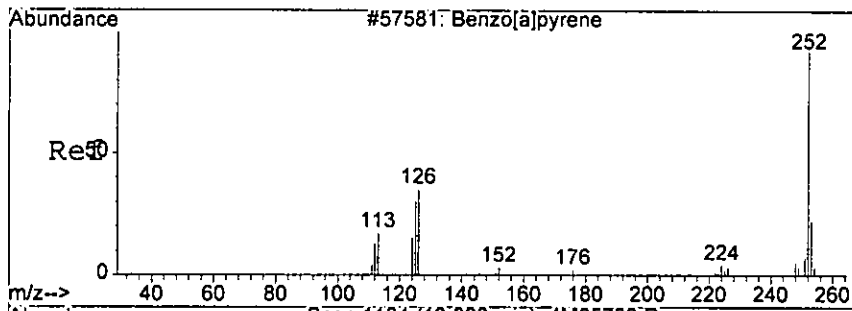
#84
 Benzo[k]fluoranthene
 Concn: 19.61 ng m
 RT: 13.50 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: 4M05733.D
 Acq: 19 Aug 2005 9:47



Tgt Ion	Resp	Lower	Upper
252	21654	100	
253	25.5	0.0	63.5
125	19.2	0.0	53.8



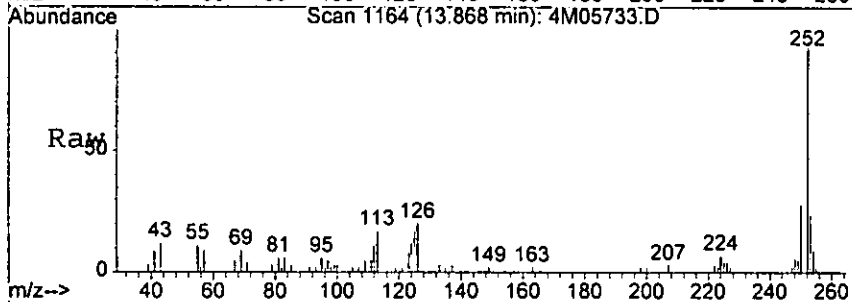
Lower



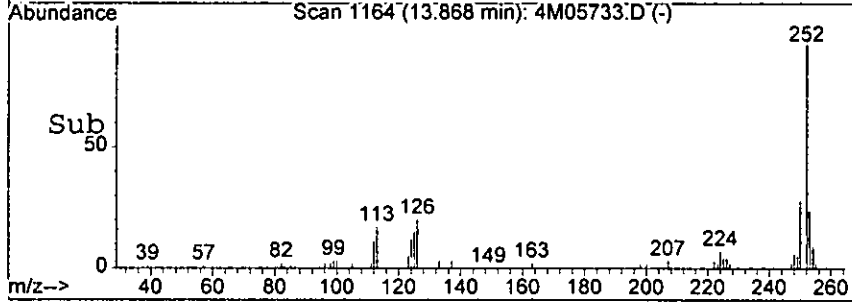
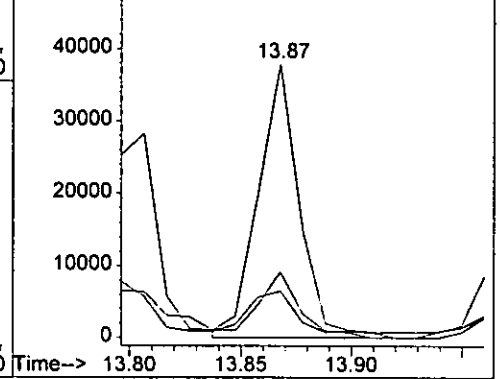
#85
 Benzo[a]pyrene
 Concn: 43.51 ng
 RT: 13.87 min Scan# 1164
 Delta R.T. -0.00 min
 Lab File: 4M05733.D
 Acq: 19 Aug 2005 9:47

0712

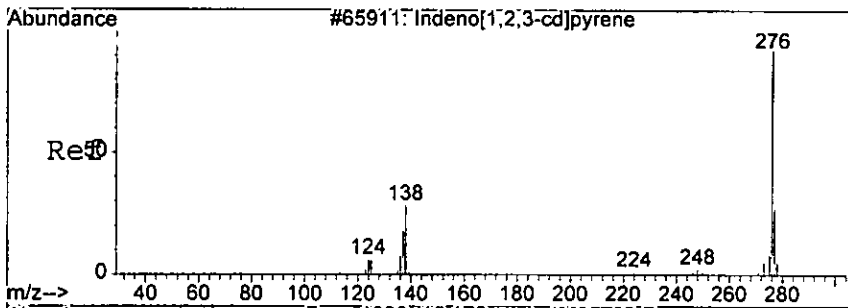
Tgt Ion	252	253	125	Resp	48673	Lower	Upper
Ion Ratio	100	24.1	15.1				
		0.0	0.0				
		62.9	57.6				



Abundance Ion 252.00 (251.70 to 252.70): 4M0573
 Ion 253.00 (252.70 to 253.70): 4M0573
 Ion 125.00 (124.70 to 125.70): 4M0573

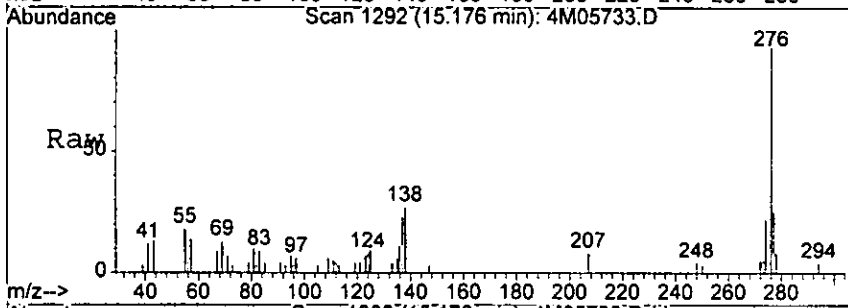


Handwritten signature

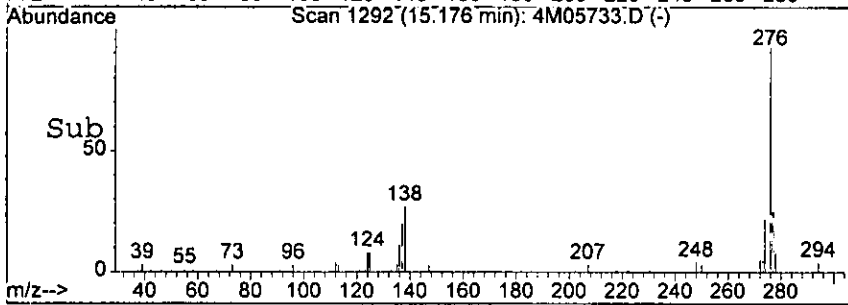
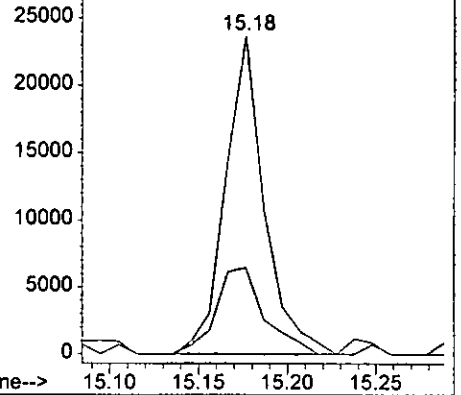


#86
 Indeno[1,2,3-cd]pyrene
 Concen: 26.92 ng
 RT: 15.18 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: 4M05733.D
 Acq: 19 Aug 2005 9:47

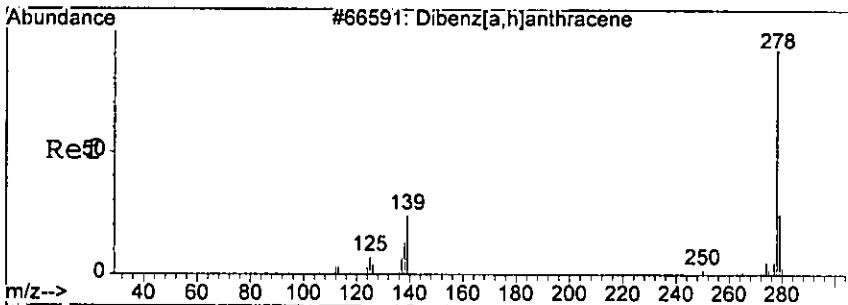
Tgt Ion: 276 Resp: 36135
 Ion Ratio Lower Upper
 276 100
 138 27.3 0.0 73.4



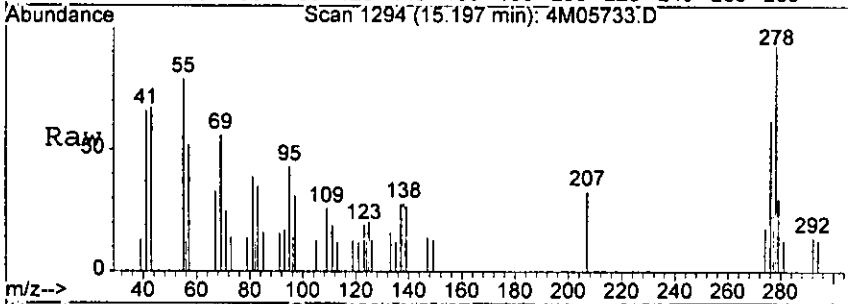
Abundance Ion 276.00 (275.70 to 276.70): 4M0573
 Ion 138.00 (137.70 to 138.70): 4M0573



har

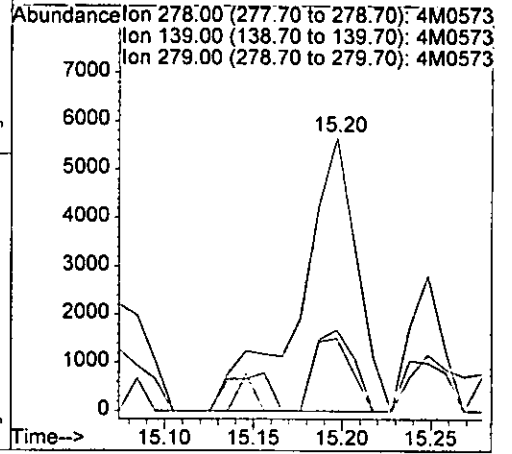
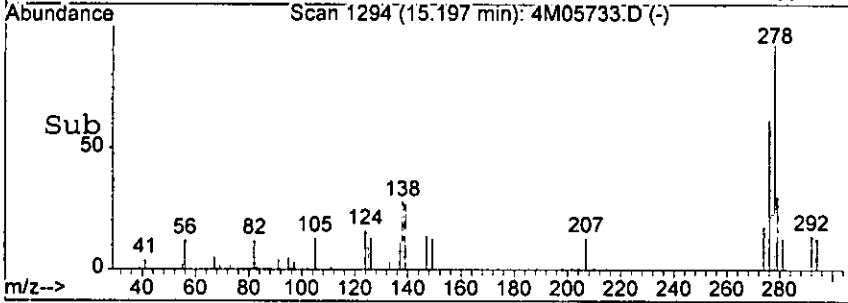


#87
 Dibenzo[a,h]anthracene
 Concen: 12.07 ng
 RT: 15.20 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: 4M05733.D
 Acq: 19 Aug 2005 9:47

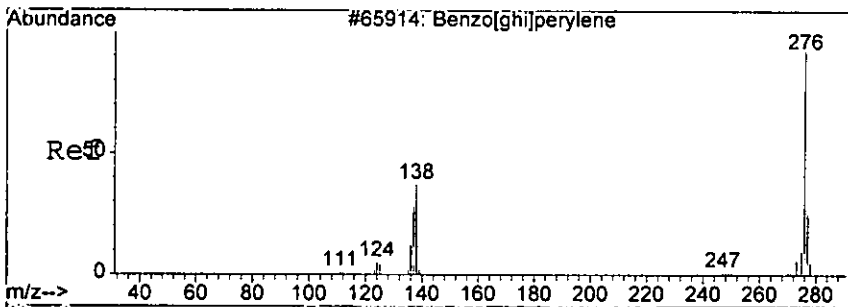


Tgt Ion: 278 Resp: 12647

Ion	Ratio	Lower	Upper
278	100		
139	26.6	0.0	63.8
279	29.8	0.0	64.0

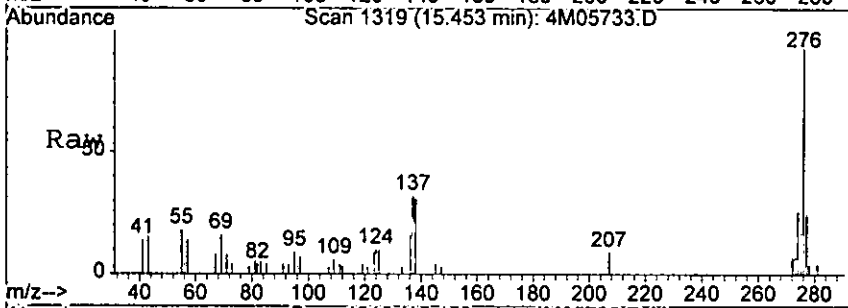


Handwritten signature

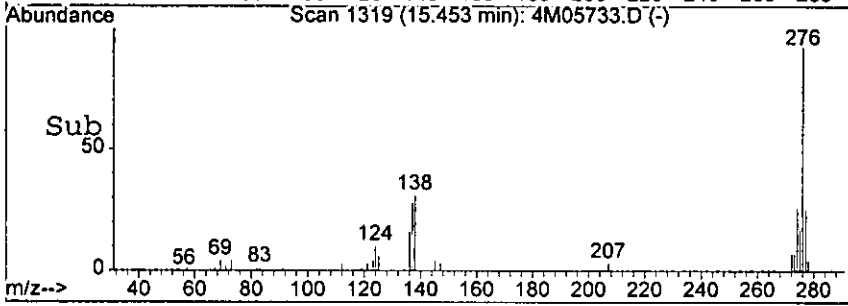
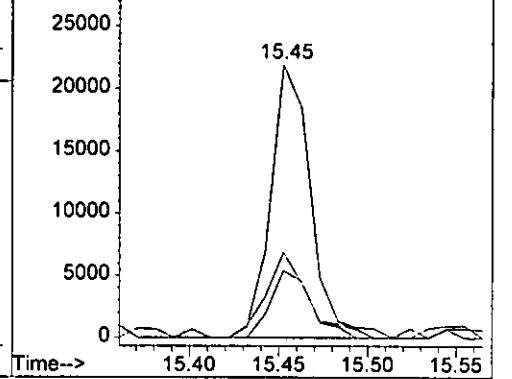


#88
 Benzo[g,h,i]perylene
 Concen: 31.06 ng
 RT: 15.45 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: 4M05733.D
 Acq: 19 Aug 2005 9:47

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	34334		
138	31.5	0.0	74.1	
277	24.5	0.0	65.0	



Abundance Ion 276.00 (275.70 to 276.70): 4M0573
 Ion 138.00 (137.70 to 138.70): 4M0573
 Ion 277.00 (276.70 to 277.70): 4M0573



hcar

Form1

ORGANICS SEMIVOLATILE REPORT

0716

Sample Number: AC19099-014
 Client Id: PCSB - 260 (0.5)
 Data File: 4M05740.D
 Analysis Date: 08/19/05 12:34
 Date Rec/Extracted: 08/16/05-08/17/05

Matrix: Soil
 Initial Vol: 30g
 Final Vol: 1ml
 Dilution: 1
 Solids: 92

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.0098	U	205-99-2	Benzo[b]fluoranthene	0.011	1.8
95-50-1	1,2-Dichlorobenzene	0.017	U	191-24-2	Benzo[g,h,i]perylene	0.0069	1.0
122-66-7	1,2-Diphenylhydrazine	0.010	U	207-08-9	Benzo[k]fluoranthene	0.012	0.75
541-73-1	1,3-Dichlorobenzene	0.015	U	111-91-1	bis(2-Chloroethoxy)methan	0.0083	U
106-46-7	1,4-Dichlorobenzene	0.018	U	111-44-4	bis(2-Chloroethyl)ether	0.019	U
95-95-4	2,4,5-Trichlorophenol	0.49	U	108-60-1	bis(2-chloroisopropyl)ether	0.012	U
88-06-2	2,4,6-Trichlorophenol	0.88	U	117-81-7	bis(2-Ethylhexyl)phthalat	0.033	0.34
120-83-2	2,4-Dichlorophenol	0.059	U	85-68-7	Butylbenzylphthalate	0.015	0.16
105-67-9	2,4-Dimethylphenol	0.050	U	86-74-8	Carbazole	0.011	0.15
51-28-5	2,4-Dinitrophenol	0.25	U	218-01-9	Chrysene	0.0075	1.2
121-14-2	2,4-Dinitrotoluene	0.013	U	84-74-2	Di-n-butylphthalate	0.0081	0.11 B
606-20-2	2,6-Dinitrotoluene	0.015	U	117-84-0	Di-n-octylphthalate	0.0086	U
91-58-7	2-Chloronaphthalene	0.010	U	53-70-3	Dibenzo[a,h]anthracene	0.013	0.43
95-57-8	2-Chlorophenol	0.074	U	132-64-9	Dibenzofuran	0.046	0.19
91-57-6	2-Methylnaphthalene	0.047	0.49	84-66-2	Diethylphthalate	0.0099	0.064
95-48-7	2-Methylphenol	0.17	U	131-11-3	Dimethylphthalate	0.0082	U
88-74-4	2-Nitroaniline	0.025	U	206-44-0	Fluoranthene	0.010	1.6
88-75-5	2-Nitrophenol	0.042	U	86-73-7	Fluorene	0.0092	0.25
106-44-5	3&4-Methylphenol	0.19	U	118-74-1	Hexachlorobenzene	0.017	U
91-94-1	3,3'-Dichlorobenzidine	0.079	U	87-68-3	Hexachlorobutadiene	0.015	U
99-09-2	3-Nitroaniline	0.15	U	77-47-4	Hexachlorocyclopentadiene	0.096	U
534-52-1	4,6-Dinitro-2-methylphenol	0.069	U	67-72-1	Hexachloroethane	0.027	U
101-55-3	4-Bromophenyl-phenylether	0.014	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.0050	0.87
59-50-7	4-Chloro-3-methylphenol	0.092	U	78-59-1	Isophorone	0.011	U
106-47-8	4-Chloroaniline	0.28	U	621-64-7	N-Nitroso-di-n-propylamine	0.017	U
7005-72-3	4-Chlorophenyl-phenylether	0.017	U	62-75-9	N-Nitrosodimethylamine	0.43	U
100-01-6	4-Nitroaniline	0.089	U	86-30-6	n-Nitrosodiphenylamine	0.017	U
100-02-7	4-Nitrophenol	0.064	U	91-20-3	Naphthalene	0.0085	0.27
83-32-9	Acenaphthene	0.015	0.23	98-95-3	Nitrobenzene	0.014	U
208-96-8	Acenaphthylene	0.0084	0.13	87-86-5	Pentachlorophenol	0.045	U
120-12-7	Anthracene	0.0095	0.40	85-01-8	Phenanthrene	0.0083	1.5
92-87-5	Benzidine	0.082	U	108-95-2	Phenol	0.055	U
56-55-3	Benzo[a]anthracene	0.0063	1.5	129-00-0	Pyrene	0.0084	3.1
50-32-8	Benzo[a]pyrene	0.0083	1.4				

Worksheet #: 18797

Total Target Concentration 17.934

U - Indicates the compound was analyzed but not detected.
 B - Indicates the analyte was found in the blank as well as in the sample.
 E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
 J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

Data File : G:\GcMsData\2005\Gcms_4\Data\08-19-05\4M05740.D Vial: 10
 Acq On : 19 Aug 2005 12:34 Operator: AHD
 Sample : AC19099-014 Inst : GCMS
 Misc : S,BNA Multiplr: 1.00

MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:25 2005

Quant Results File: 4M_0818.RES

Quant Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration
 DataAcq Meth : 4M_0818

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.78	152	104228	40.00	ng	0.00
19) Naphthalene-d8	5.77	136	311292	40.00	ng	0.00
35) Acenaphthene-d10	7.32	164	138380	40.00	ng	0.00
59) Phenanthrene-d10	8.92	188	170202	40.00	ng	0.00
72) Chrysene-d12	12.10	240	61906	40.00	ng	0.00
81) Perylene-d12	13.94	264	39341	40.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	3.63	112	388689	134.84	ng	0.02
Spiked Amount	200.000		Recovery	=	67.42%	
7) Phenol-d5	4.51	99	542926	149.11	ng	0.00
Spiked Amount	200.000		Recovery	=	74.56%	
20) Nitrobenzene-d5	5.22	128	99795	69.35	ng	0.00
Spiked Amount	100.000		Recovery	=	69.35%	
40) 2-Fluorobiphenyl	6.69	172	379362	86.79	ng	0.00
Spiked Amount	100.000		Recovery	=	86.79%	
62) 2,4,6-Tribromophenol	8.15	332	106710	154.86	ng	0.00
Spiked Amount	200.000		Recovery	=	77.43%	
75) Terphenyl-d14	10.81	244	188706	129.80	ng	0.00
Spiked Amount	100.000		Recovery	=	129.80%	

Target Compounds

						Qvalue
29) Naphthalene	5.79	128	55235	7.49	ng	98
33) 2-Methylnaphthalene	6.36	142	67505	13.52	ng	97
46) Acenaphthylene	7.18	152	21494	3.50	ng	95
49) Acenaphthene	7.36	153	23871	6.22	ng	95
52) Dibenzofuran	7.53	168	29241	5.35	ng	81
55) Fluorene	7.89	166	28758	6.95	ng	98
57) Diethylphthalate	7.78	149	8716	1.76	ng	97
67) Phenanthrene	8.94	178	184154	41.57	ng	99
68) Anthracene	9.00	178	48743	10.94	ng	99
69) Carbazole	9.21	167	17283	4.01	ng	95
70) Di-n-butylphthalate	9.65	149	18332	3.07	ng	94
71) Fluoranthene	10.33	202	213017	44.34	ng	94
73) Pyrene	10.60	202	181564	85.59	ng	87
76) Butylbenzylphthalate	11.45	149	4934	4.37	ng	70
78) Benzo[a]anthracene	12.09	228	78723	40.59	ng	96
79) Chrysene	12.13	228	60624	32.87	ng	97
80) bis(2-Ethylhexyl)phthalate	12.22	149	14960	9.39	ng	87
83) Benzo[b]fluoranthene	13.47	252	71927m	49.77	ng	
84) Benzo[k]fluoranthene	13.50	252	26490m	20.58	ng	

(#) = qualifier out of range (m) = manual integration

4M05740.D 4M_0818.M

Mon Aug 29 16:48:18 2005

RPT1

Page 1

R. B. G. O. R.

Data File : G:\GcMsData\2005\Gcms_4\Data\08-19-05\4M05740.D Vial: 1
 Acq On : 19 Aug 2005 12:34 Operator: AHD
 Sample : AC19099-014 Inst : GCMS_4
 Misc : S,BNA Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Aug 29 16:25 2005

Quant Results File: 4M_0818.RES

Quant Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration
 DataAcq Meth : 4M_0818

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
85) Benzo[a]pyrene	13.87	252	48655	37.33	ng	98
86) Indeno[1,2,3-cd]pyrene	15.19	276	37591	24.04	ng	77
87) Dibenzo[a,h]anthracene	15.21	278	14348	11.75	ng	83
88) Benzo[g,h,i]perylene	15.46	276	35459	27.53	ng	98

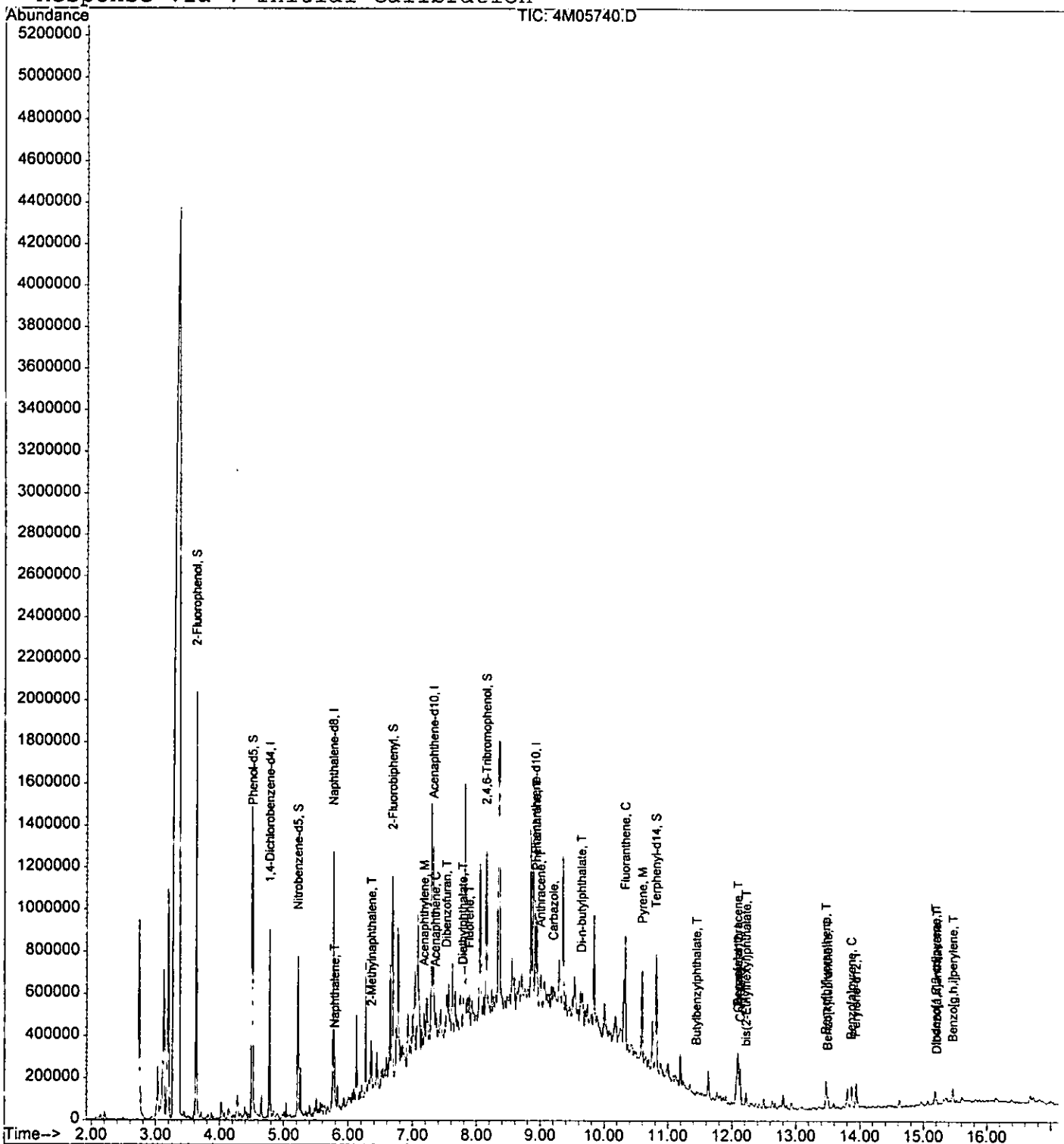
(#) = qualifier out of range (m) = manual integration

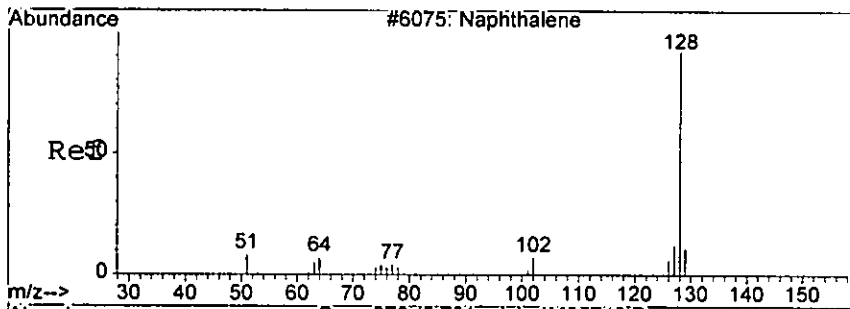
Quantitation Report

Data File : G:\GcMsData\2005\Gcms_4\Data\08-19-05\4M05740.D Vial: 1
 Acq On : 19 Aug 2005 12:34 Operator: AHD
 Sample : AC19099-014 Inst : GCMS_4
 Misc : S,BNA Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:25 2005

Quant Results File: 4M_0818.RES

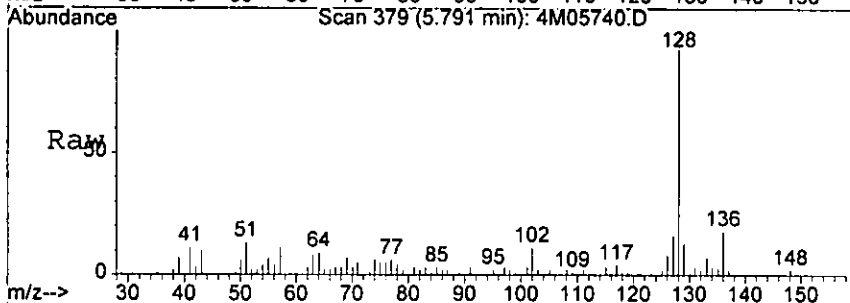
Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration





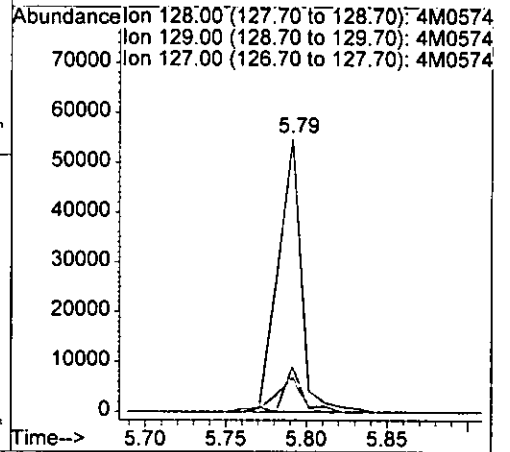
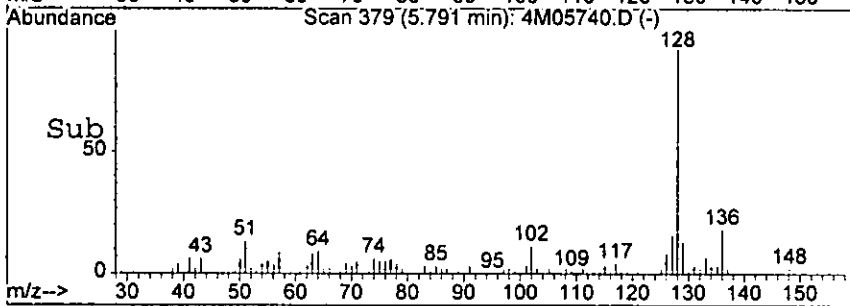
#29
 Naphthalene
 Concen: 7.49 ng
 RT: 5.79 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: 4M05740.D
 Acq: 19 Aug 2005 12:34

0720

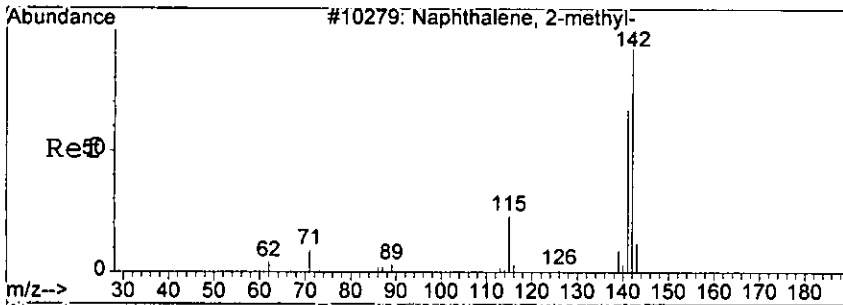


Tgt Ion: 128 Resp: 55235

Ion	Ratio	Lower	Upper
128	100		
129	12.6	0.0	51.8
127	16.5	0.0	57.0

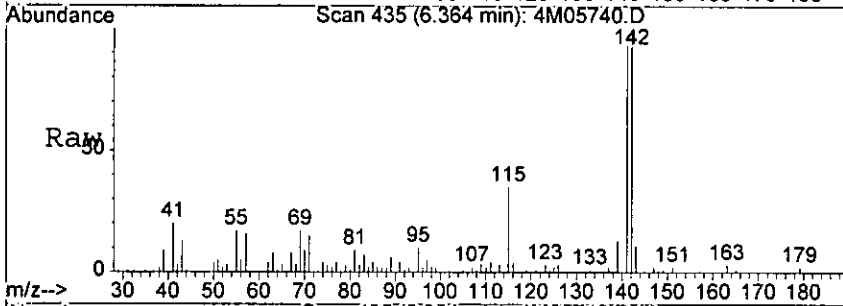


hera

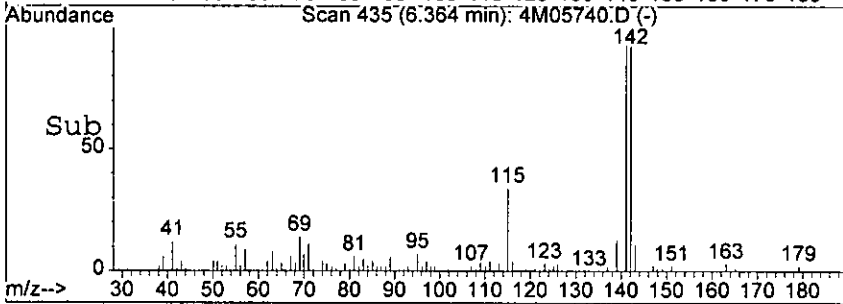
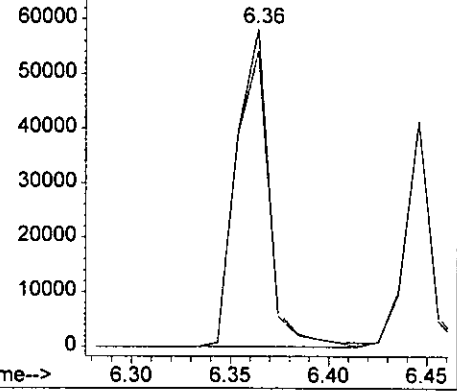


#33
 2-Methylnaphthalene
 Concen: 13.52 ng
 RT: 6.36 min Scan# 435
 Delta R.T. -0.00 min
 Lab File: 4M05740.D
 Acq: 19 Aug 2005 12:34

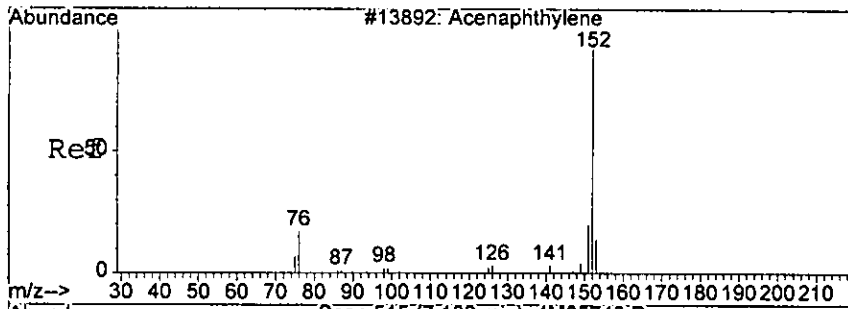
Tgt Ion: 142 Resp: 67505
 Ion Ratio Lower Upper
 142 100
 141 93.0 55.7 135.7



Abundance Ion 142.00 (141.70 to 142.70): 4M0574
 Ion 141.00 (140.70 to 141.70): 4M0574



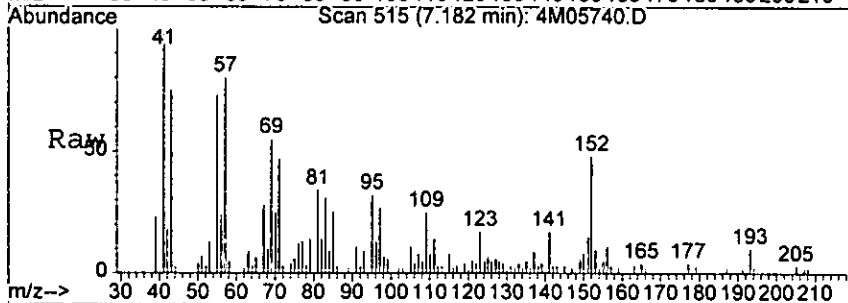
low



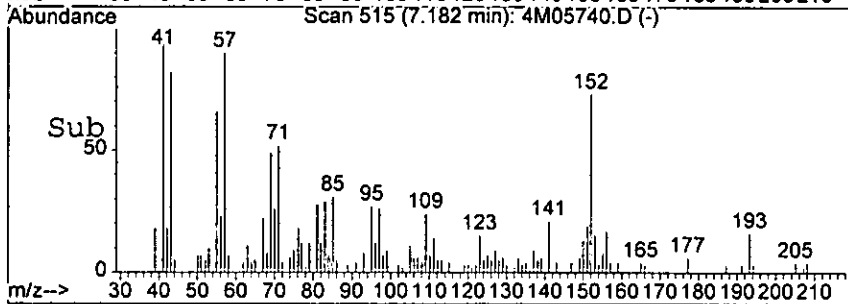
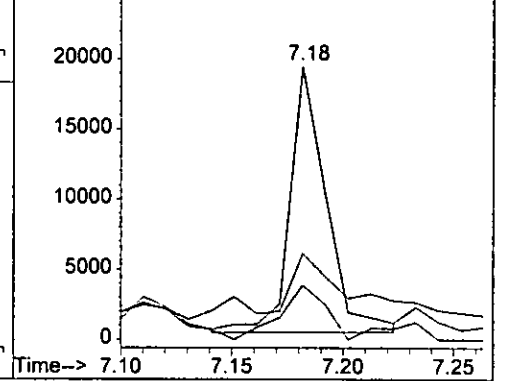
#46
 Acenaphthylene
 Concen: 3.50 ng
 RT: 7.18 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: 4M05740.D
 Acq: 19 Aug 2005 12:34

0722

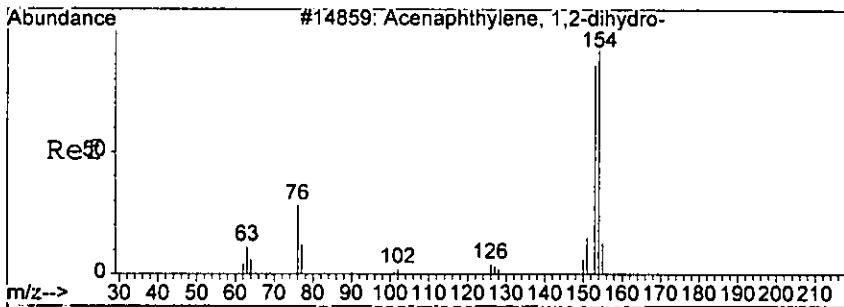
Tgt Ion	Resp	Lower	Upper
152	21494	100	
151	21.8	0.0	63.6
153	16.8	0.0	53.8



Abundance Ion 152.00 (151.70 to 152.70): 4M0574
 Ion 151.00 (150.70 to 151.70): 4M0574
 Ion 153.00 (152.70 to 153.70): 4M0574

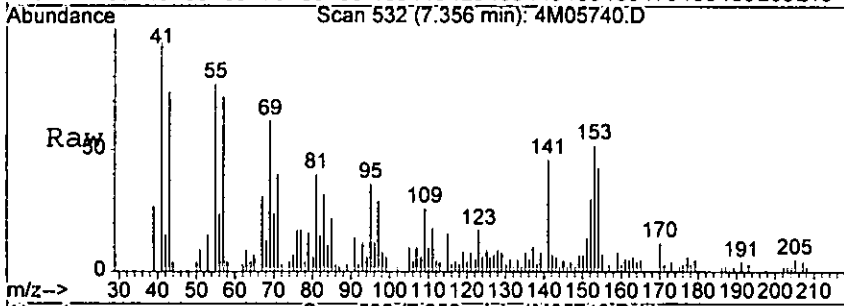


Low

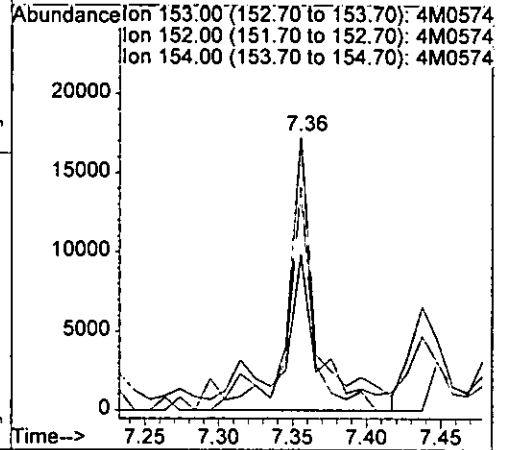
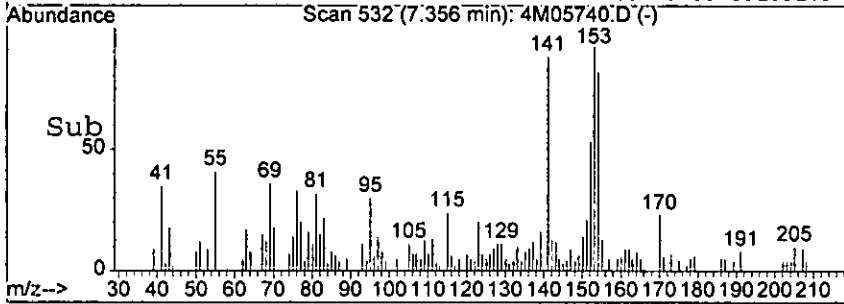


#49
 Acenaphthene
 Concen: 6.22 ng
 RT: 7.36 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: 4M05740.D
 Acq: 19 Aug 2005 12:34

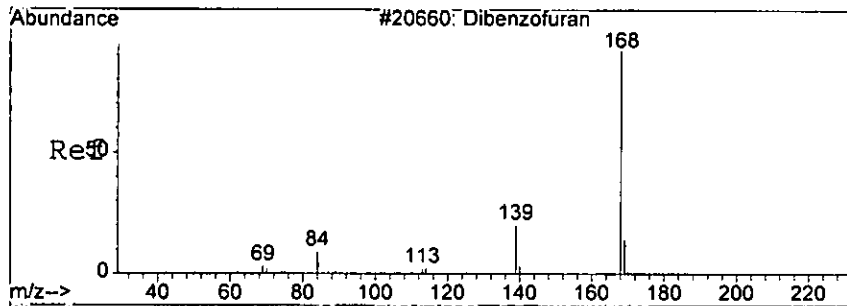
0723



Tgt Ion	Resp	Lower	Upper
153	23871		
153	100		
152	53.2	8.3	88.3
154	81.9	45.1	125.1

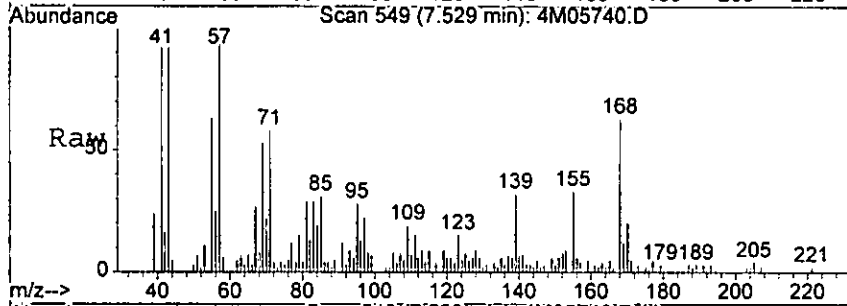


Lead

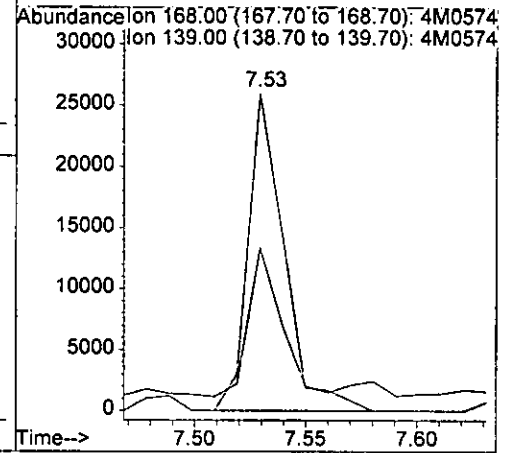
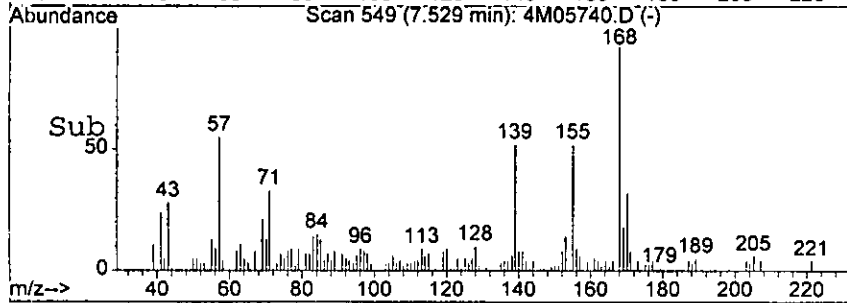


#52
 Dibenzofuran
 Concen: 5.35 ng
 RT: 7.53 min Scan# 549
 Delta R.T. -0.00 min
 Lab File: 4M05740.D
 Acq: 19 Aug 2005 12:34

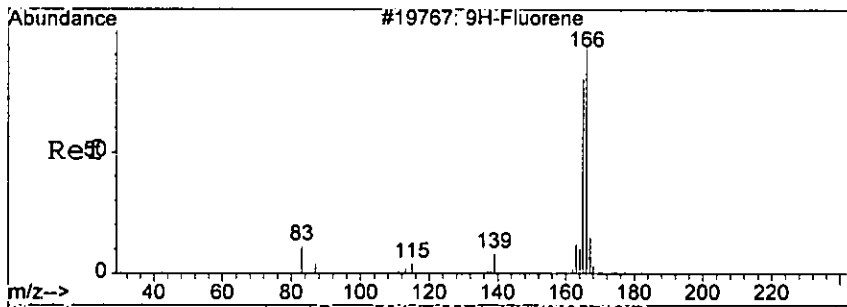
07249



Tgt Ion: 168 Resp: 29241
 Ion Ratio Lower Upper
 168 100
 139 47.1 6.0 66.0

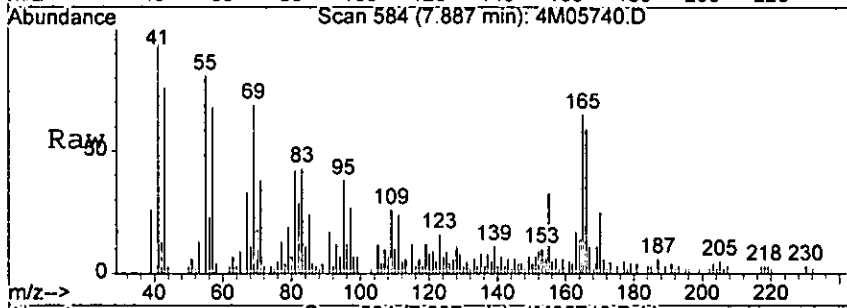


Handwritten signature: h2ar

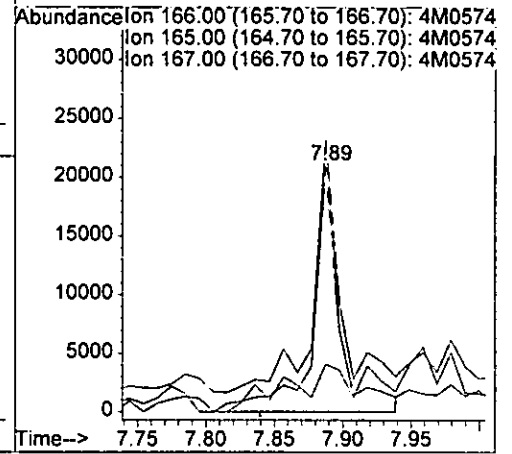
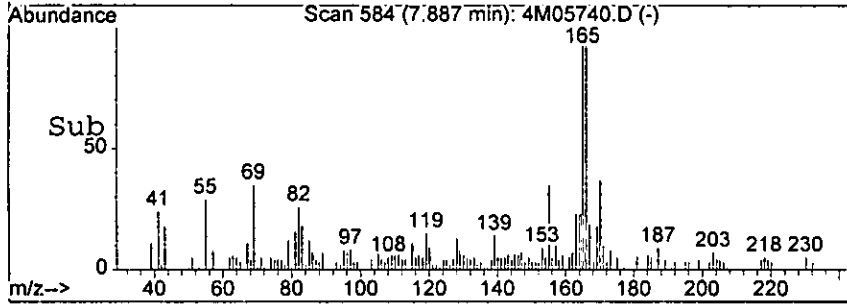


#55
 Fluorene
 Concen: 6.95 ng
 RT: 7.89 min Scan# 584
 Delta R.T. -0.00 min
 Lab File: 4M05740.D
 Acq: 19 Aug 2005 12:34

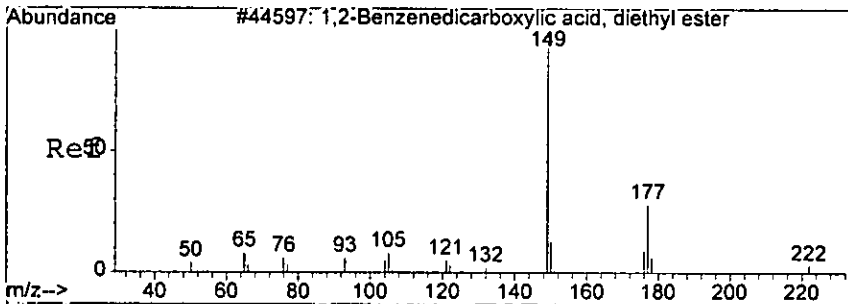
8725



Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.7	63.3	143.3
167	19.4	0.0	54.6



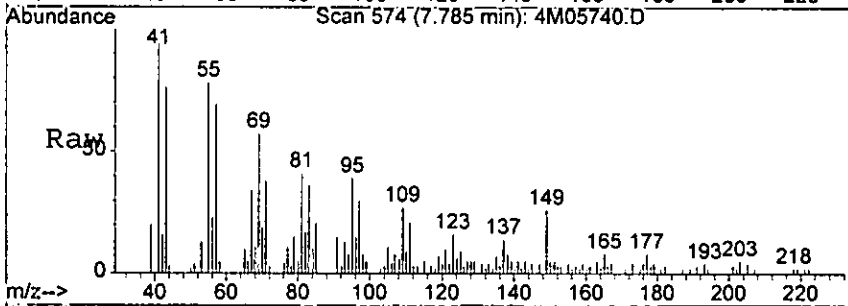
Handwritten signature



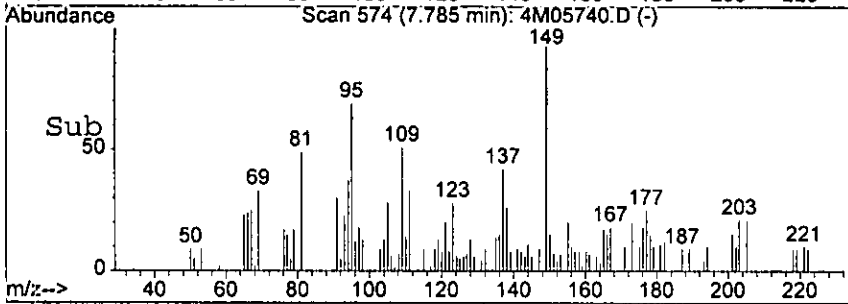
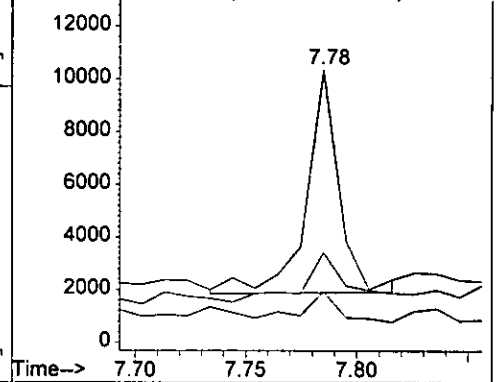
#57
 Diethylphthalate
 Concen: 1.76 ng
 RT: 7.78 min Scan# 574
 Delta R.T. -0.00 min
 Lab File: 4M05740.D
 Acq: 19 Aug 2005 12:34

0728

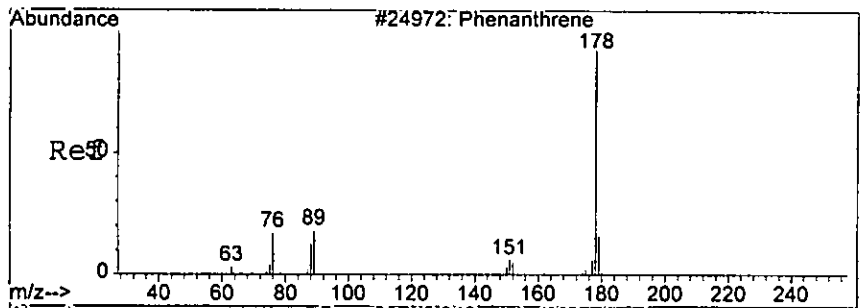
Tgt Ion	Resp	Lower	Upper
149	8716	100	
177	20.8	0.0	59.8
150	13.8	0.0	52.2



Abundance Ion 149.00 (148.70 to 149.70): 4M0574
 14000 Ion 177.00 (176.70 to 177.70): 4M0574
 Ion 150.00 (149.70 to 150.70): 4M0574



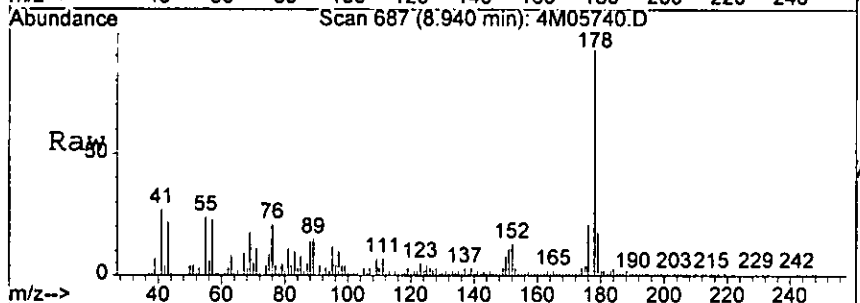
Handwritten signature



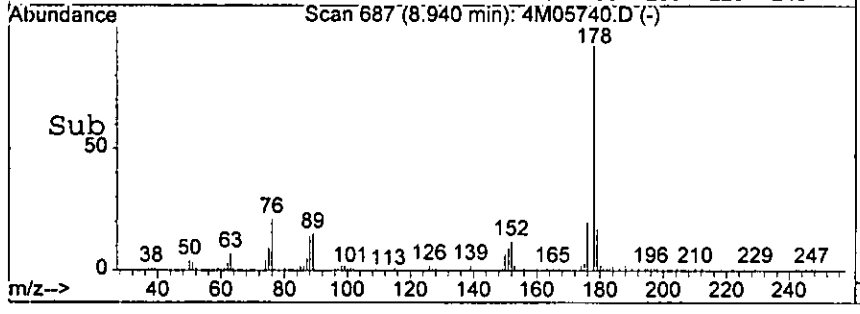
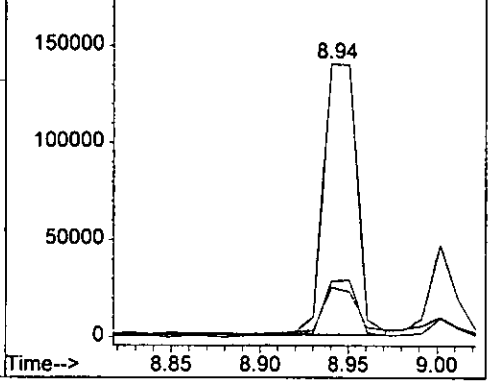
#67
 Phenanthrene
 Concen: 41.57 ng
 RT: 8.94 min Scan# 687
 Delta R.T. -0.00 min
 Lab File: 4M05740.D
 Acq: 19 Aug 2005 12:34

8727

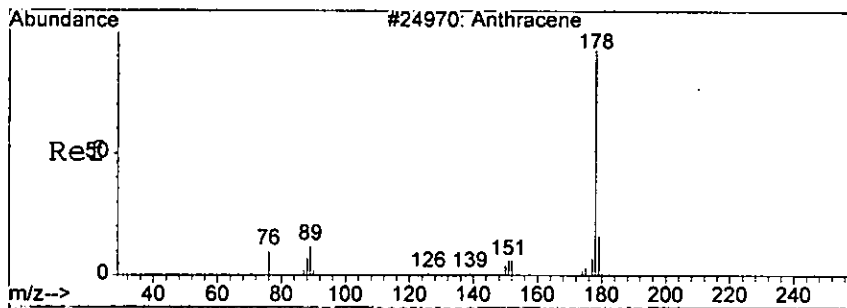
Tgt Ion	178	179	176	Resp	184154	Lower	Upper
Ion Ratio	100	16.9	20.3				
		0.0	0.0			56.6	60.5



Abundance Ion 178.00 (177.70 to 178.70): 4M0574
 Ion 179.00 (178.70 to 179.70): 4M0574
 Ion 176.00 (175.70 to 176.70): 4M0574



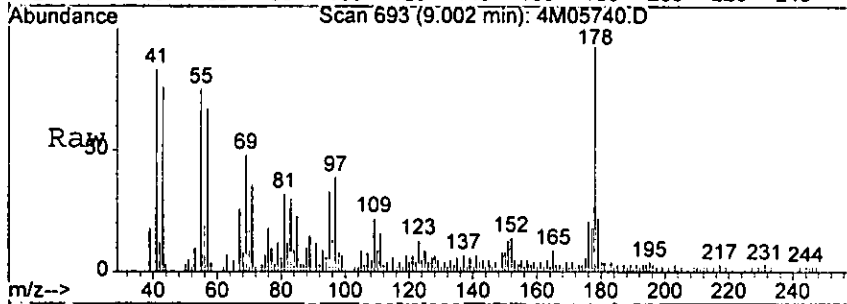
handwritten signature



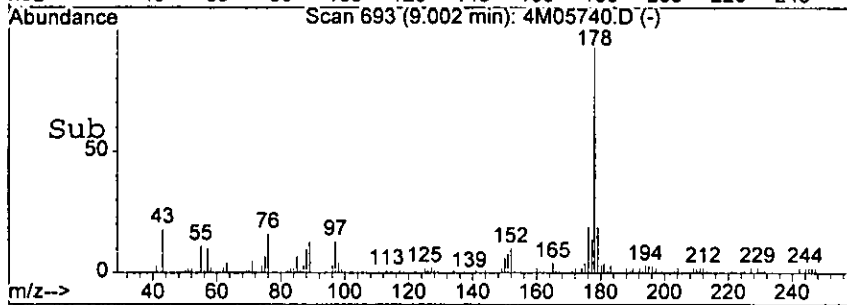
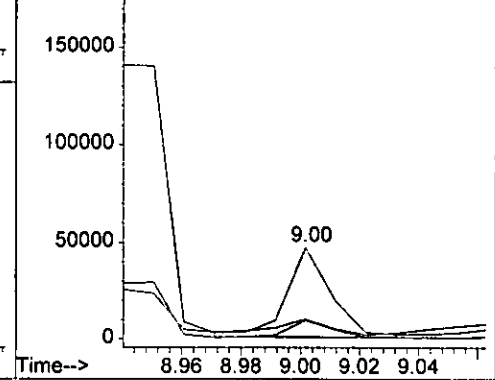
#68
 Anthracene
 Concen: 10.94 ng
 RT: 9.00 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: 4M05740.D
 Acq: 19 Aug 2005 12:34

0728

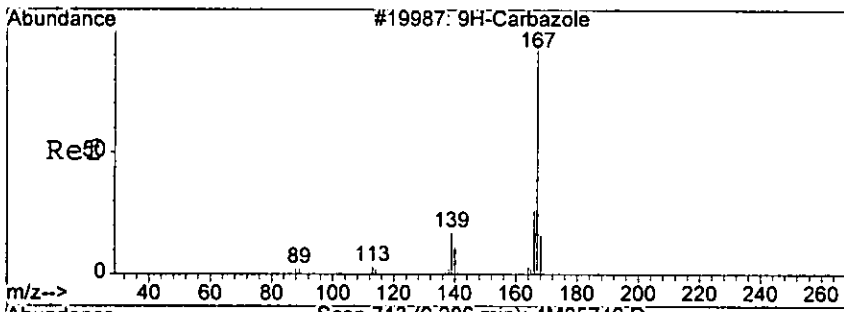
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	48743		
179	16.3	0.0	56.6	
176	19.7	0.0	60.2	



Abundance Ion 178.00 (177.70 to 178.70): 4M0574
 Ion 179.00 (178.70 to 179.70): 4M0574
 Ion 176.00 (175.70 to 176.70): 4M0574

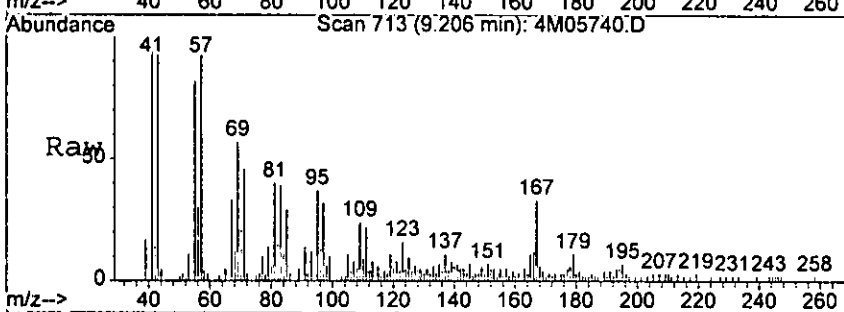


low

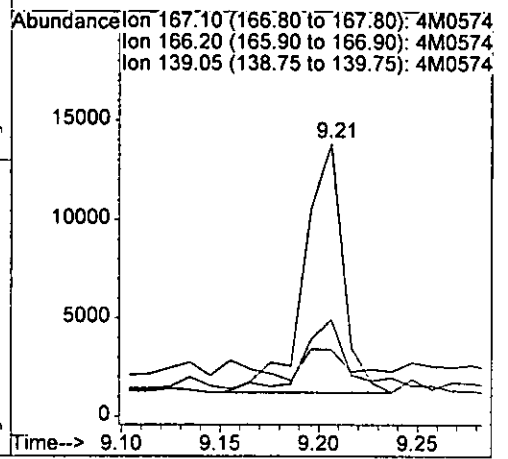
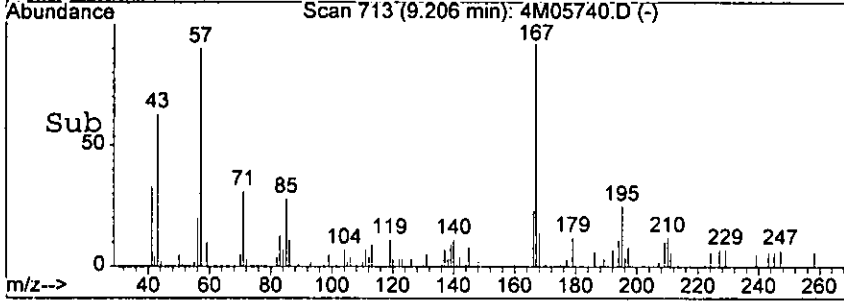


#69
 Carbazole
 Concen: 4.01 ng
 RT: 9.21 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: 4M05740.D
 Acq: 19 Aug 2005 12:34

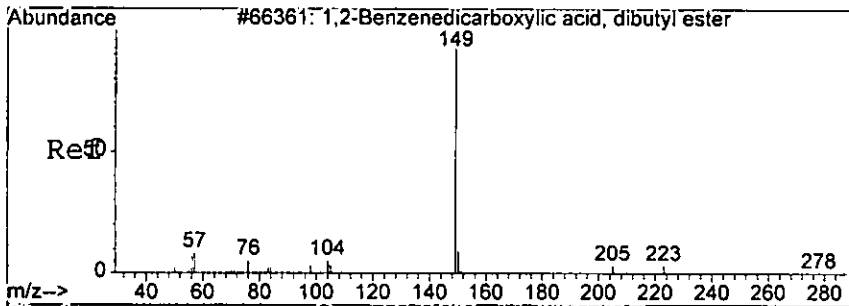
0729



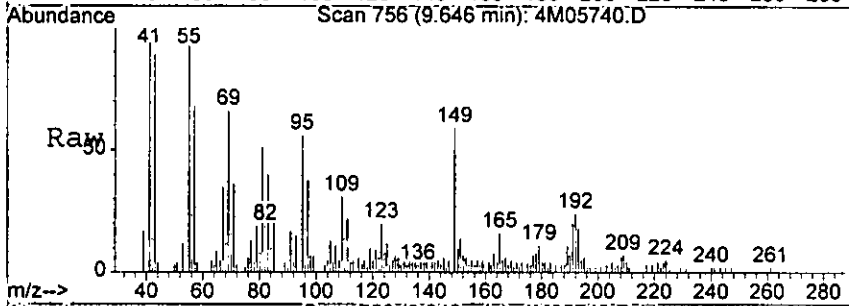
Tgt Ion	Resp	Lower	Upper
167	17283	100	
166	26.6	4.9	44.9
139	10.6	0.0	33.9



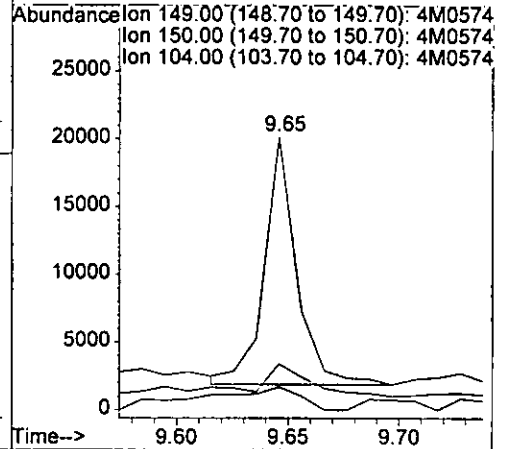
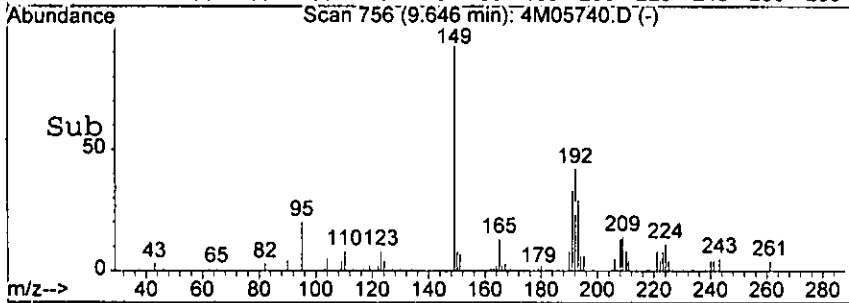
Ler



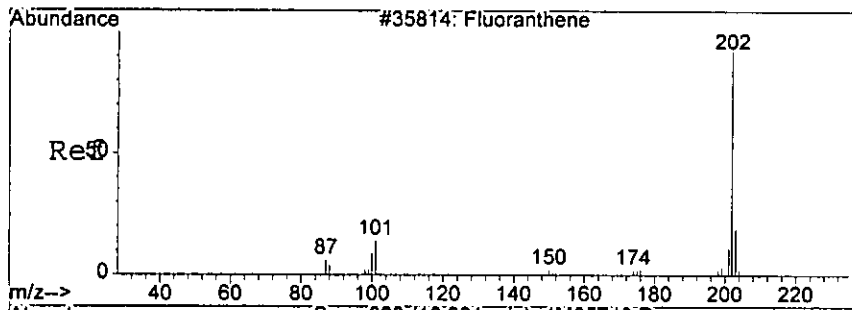
#70
 Di-n-butylphthalate
 Concen: 3.07 ng
 RT: 9.65 min Scan# 756
 Delta R.T. -0.00 min
 Lab File: 4M05740.D
 Acq: 19 Aug 2005 12:34



Tgt Ion	Ratio	Lower	Upper
149	100		
150	12.9	0.0	49.8
104	5.2	0.0	44.6

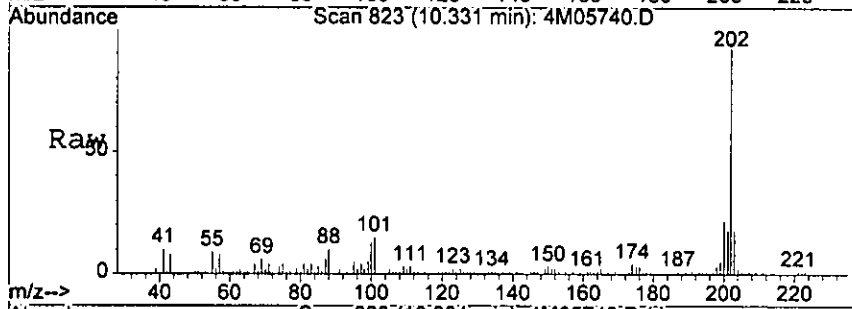


Handwritten signature

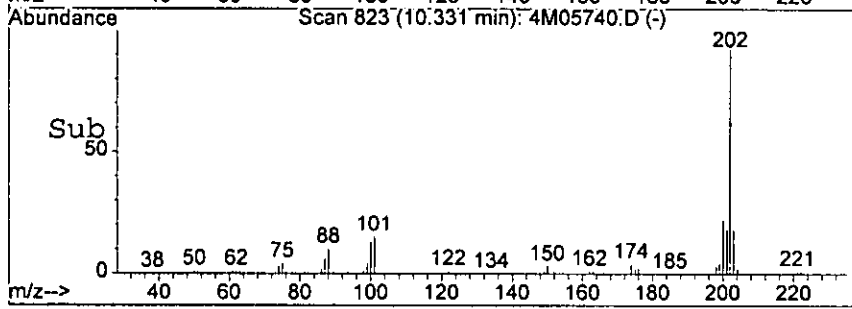
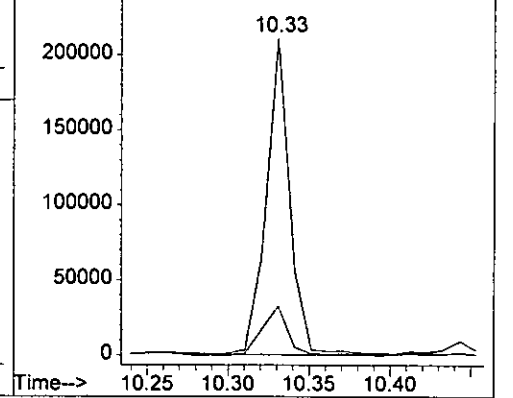


#71
 Fluoranthene
 Concen: 44.34 ng
 RT: 10.33 min Scan# 823
 Delta R.T. 0.01 min
 Lab File: 4M05740.D
 Acq: 19 Aug 2005 12:34

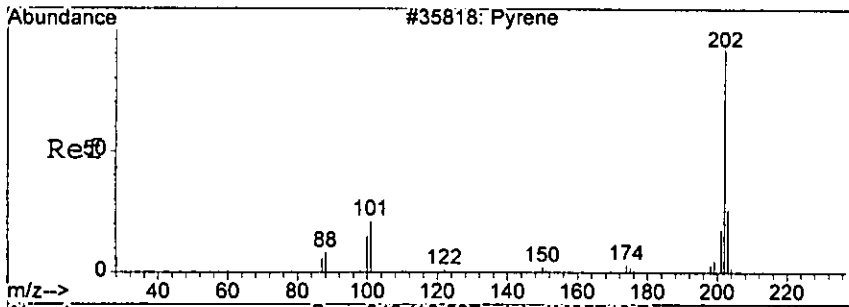
Tgt Ion: 202 Resp: 213017
 Ion Ratio Lower Upper
 202 100
 101 15.4 0.0 58.3



Abundance Ion 202.00 (201.70 to 202.70): 4M0574
 Ion 101.00 (100.70 to 101.70): 4M0574

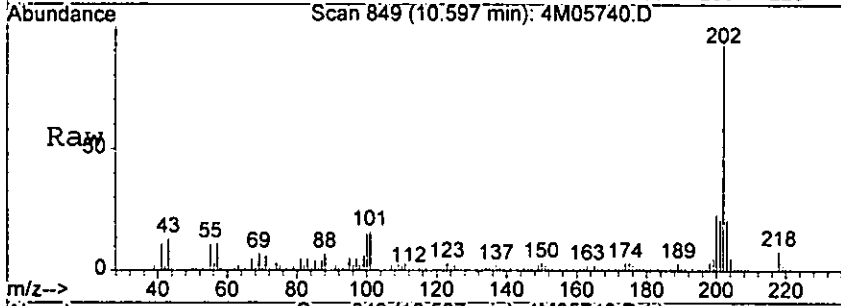


haar



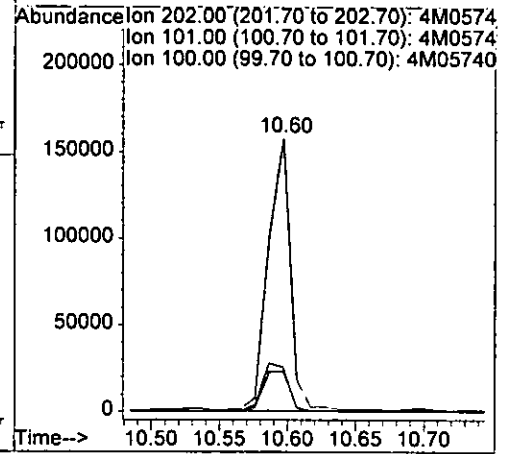
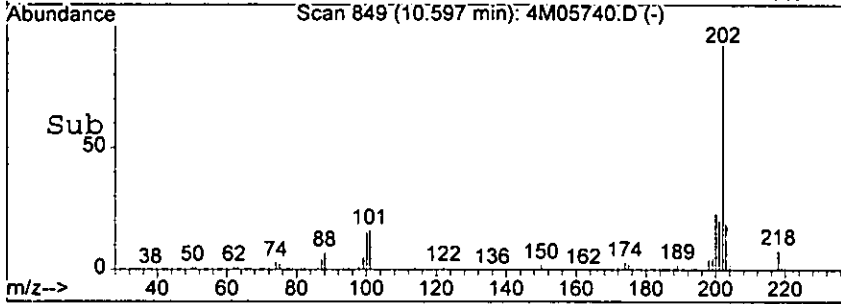
#73
 Pyrene
 Concen: 85.59 ng
 RT: 10.60 min Scan# 849
 Delta R.T. 0.01 min
 Lab File: 4M05740.D
 Acq: 19 Aug 2005 12:34

0732

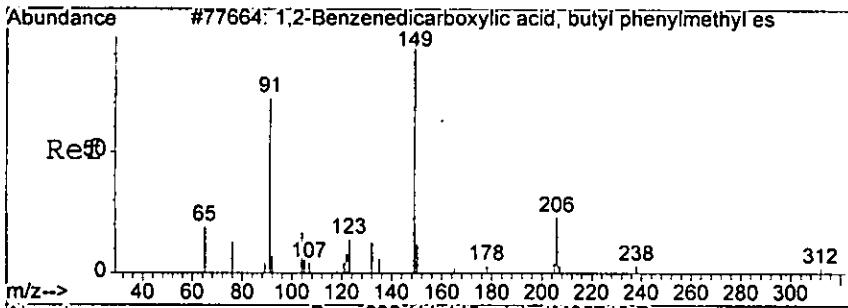


Tgt Ion: 202 Resp: 181564

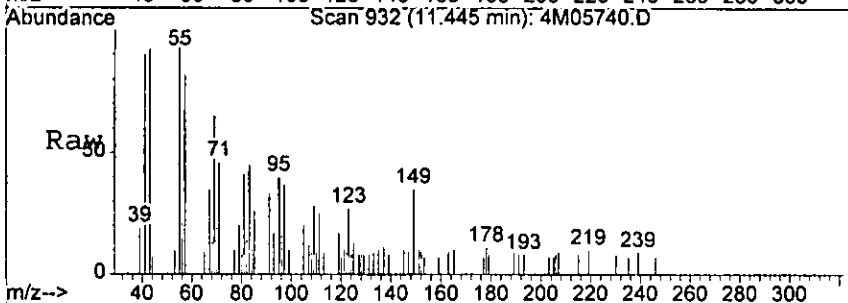
Ion	Ratio	Lower	Upper
202	100		
101	16.3	0.0	62.7
100	14.7	0.0	60.5



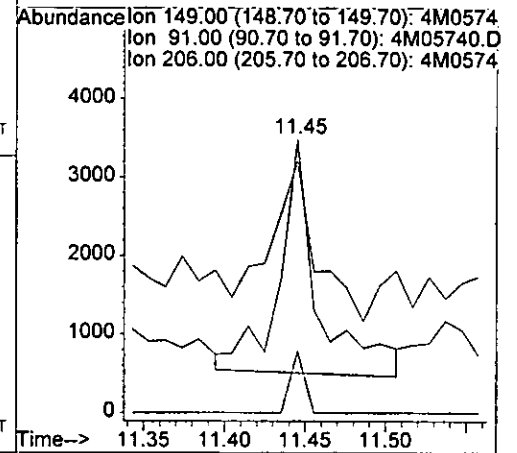
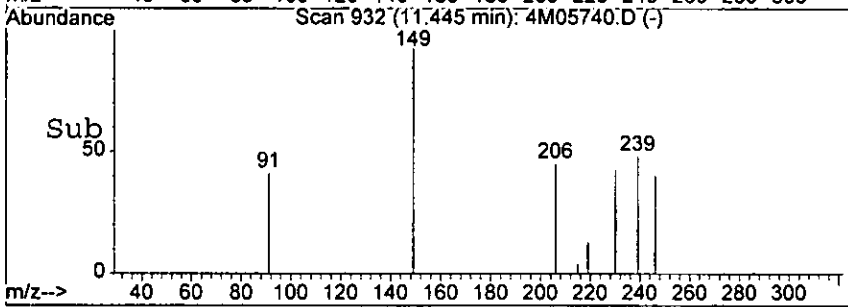
Handwritten signature



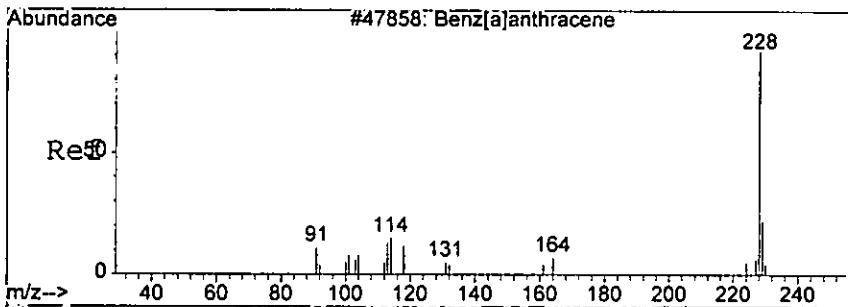
#76
 Butylbenzylphthalate
 Concen: 4.37 ng
 RT: 11.45 min Scan# 932
 Delta R.T. -0.00 min
 Lab File: 4M05740.D
 Acq: 19 Aug 2005 12:34



Tgt Ion	Ratio	Lower	Upper
149	100		
91	50.9	35.6	115.6
206	28.5	0.0	54.4



Handwritten signature

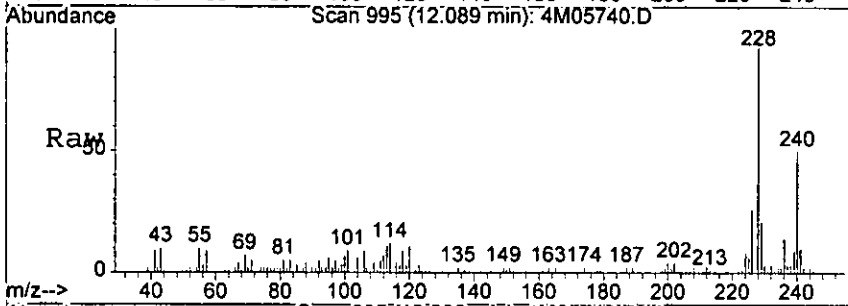


#78
 Benzo[a]anthracene
 Concen: 40.59 ng
 RT: 12.09 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: 4M05740.D
 Acq: 19 Aug 2005 12:34

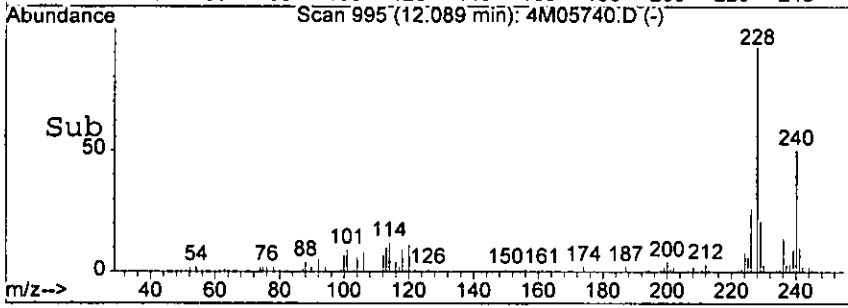
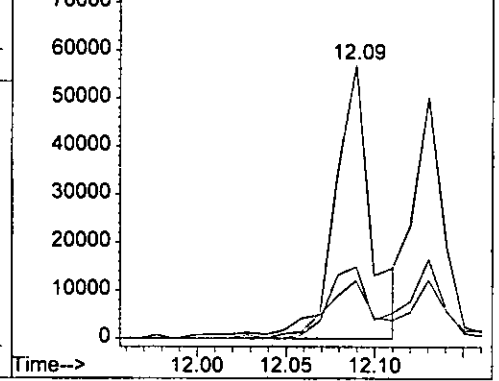
0734

Tgt Ion: 228 Resp: 78723

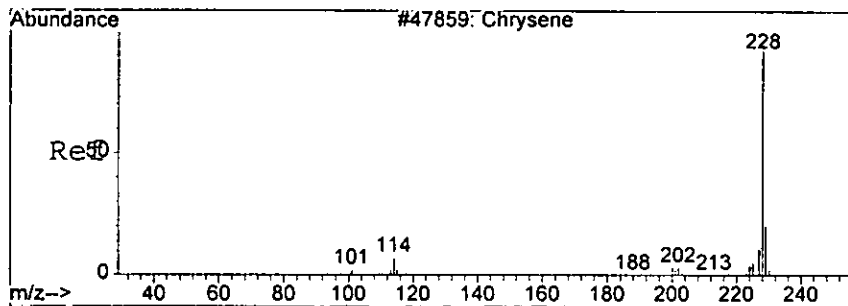
Ion	Ratio	Lower	Upper
228	100		
229	19.8	0.0	60.5
226	26.3	0.0	69.0



Abundance Ion 228.00 (227.70 to 228.70): 4M0574
 Ion 229.00 (228.70 to 229.70): 4M0574
 Ion 226.00 (225.70 to 226.70): 4M0574

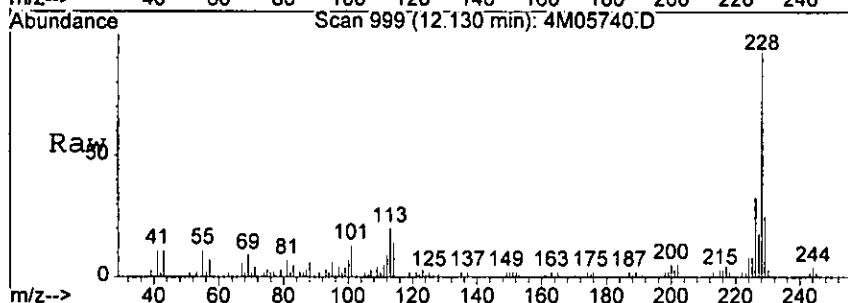


handwritten signature

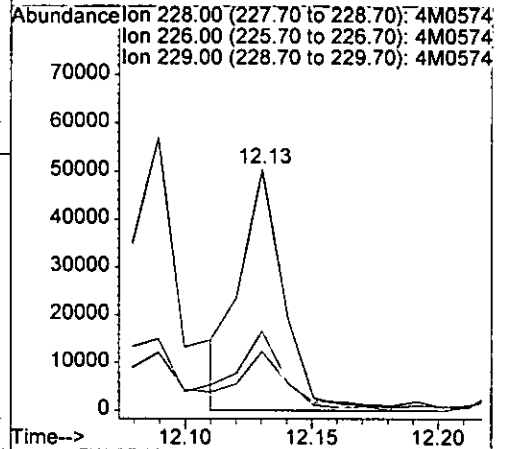
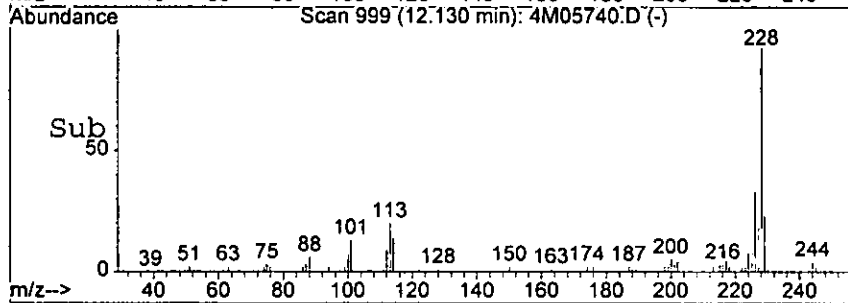


#79
 Chrysene
 Concen: 32.87 ng
 RT: 12.13 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: 4M05740.D
 Acq: 19 Aug 2005 12:34

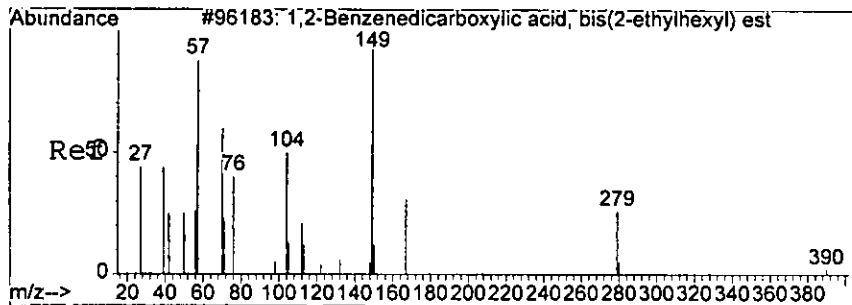
0735



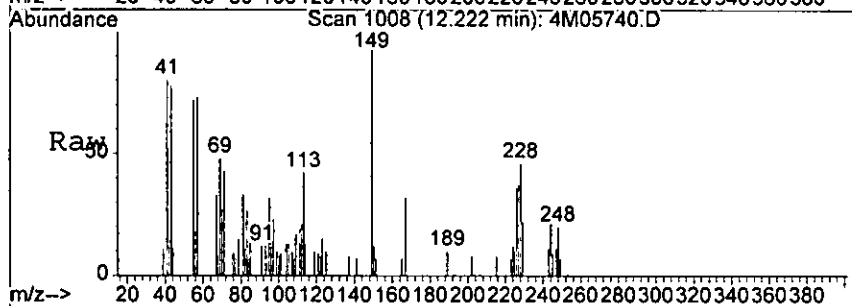
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	60624		
226	33.5	12.0	52.0	
229	22.8	0.0	61.1	



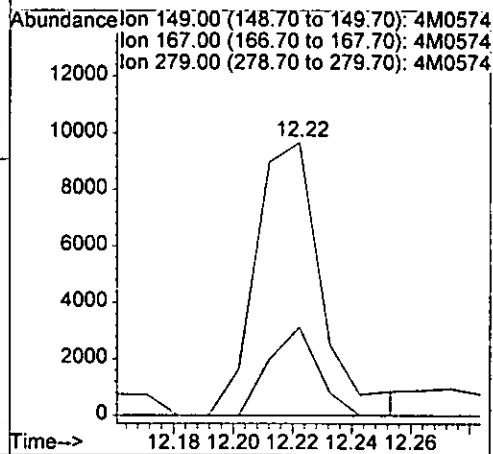
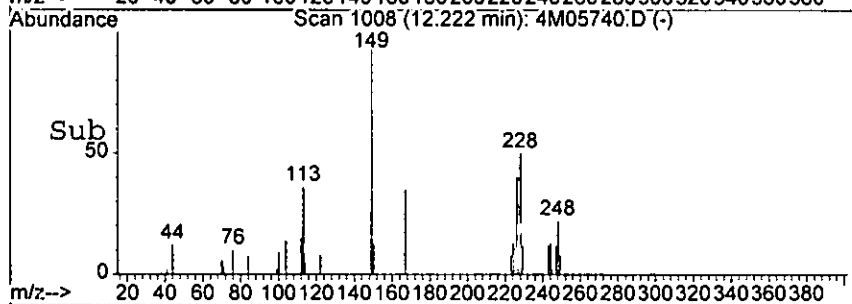
low



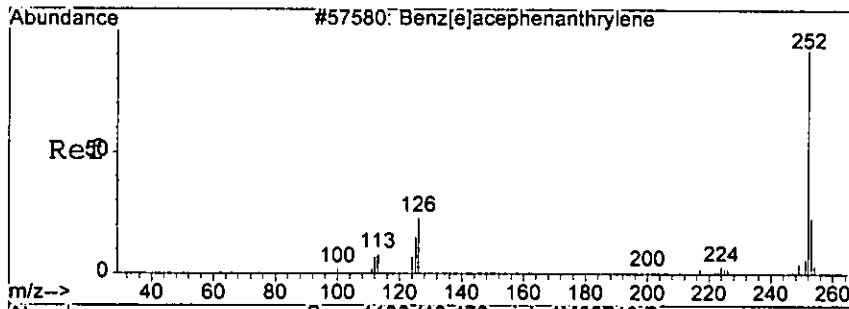
#80
 bis(2-Ethylhexyl)phthalate
 Concen: 9.39 ng
 RT: 12.22 min Scan# 1008
 Delta R.T. -0.00 min
 Lab File: 4M05740.D
 Acq: 19 Aug 2005 12:34



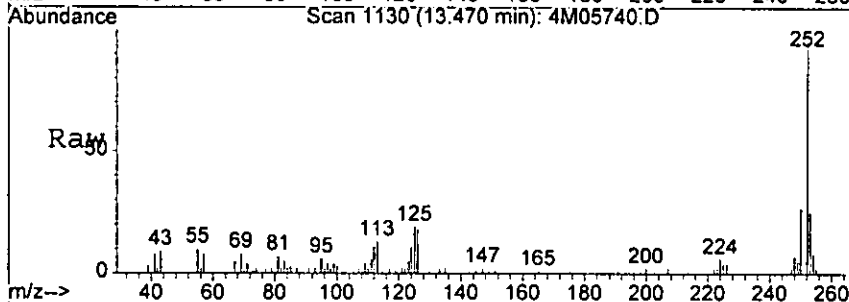
Tgt Ion	Ratio	Lower	Upper
149	100		
167	32.4	0.0	53.9
279	0.0	0.0	43.5



hour

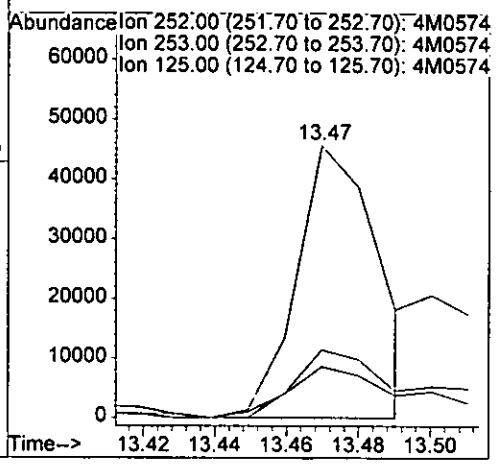
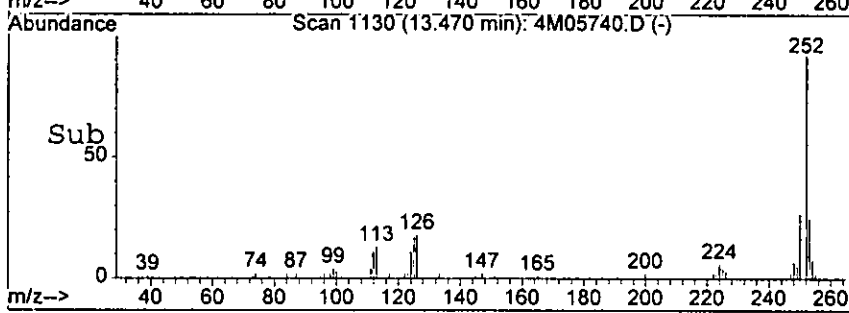


#83
 Benzo[b]fluoranthene
 Concen: 49.77 ng m
 RT: 13.47 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: 4M05740.D
 Acq: 19 Aug 2005 12:34

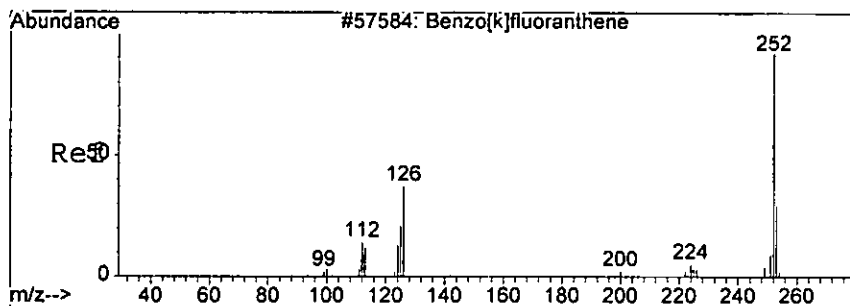


Tgt Ion: 252 Resp: 71927

Ion	Ratio	Lower	Upper
252	100		
253	25.0	0.0	63.3
125	18.8	0.0	57.6



Handwritten signature

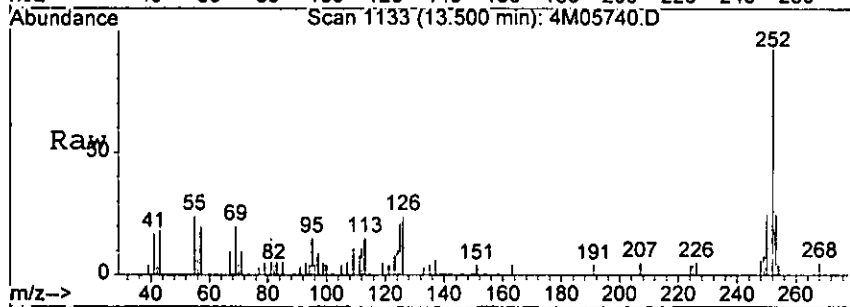


#84
 Benzo [k] fluoranthene
 Concen: 20.58 ng m
 RT: 13.50 min Scan# 1133
 Delta R.T. -0.00 min
 Lab File: 4M05740.D
 Acq: 19 Aug 2005 12:34

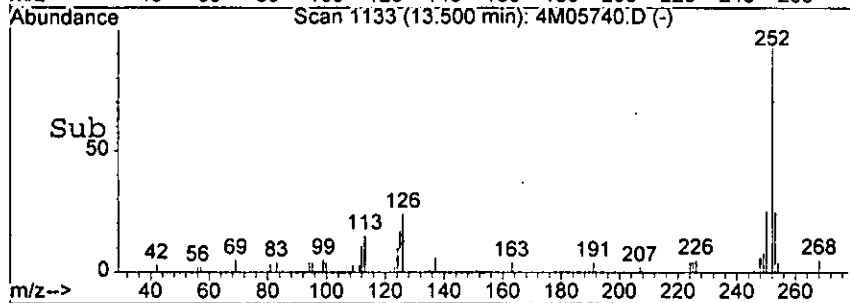
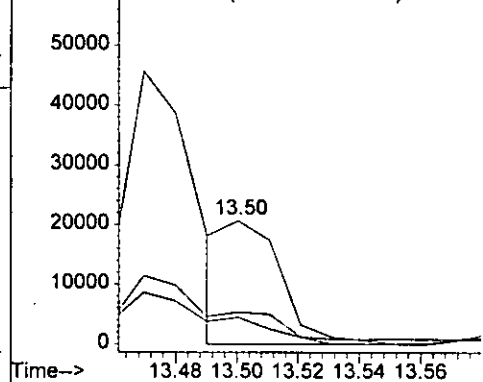
0738

Tgt Ion: 252 Resp: 26490

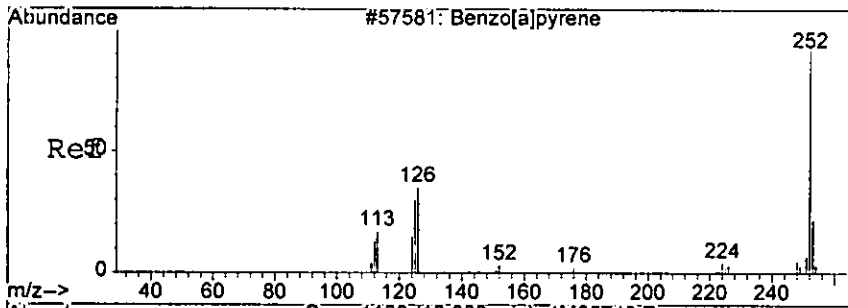
Ion	Ratio	Lower	Upper
252	100		
253	25.5	0.0	63.5
125	21.4	0.0	53.8



Abundance Ion 252.00 (251.70 to 252.70): 4M0574
 Ion 253.00 (252.70 to 253.70): 4M0574
 Ion 125.00 (124.70 to 125.70): 4M0574

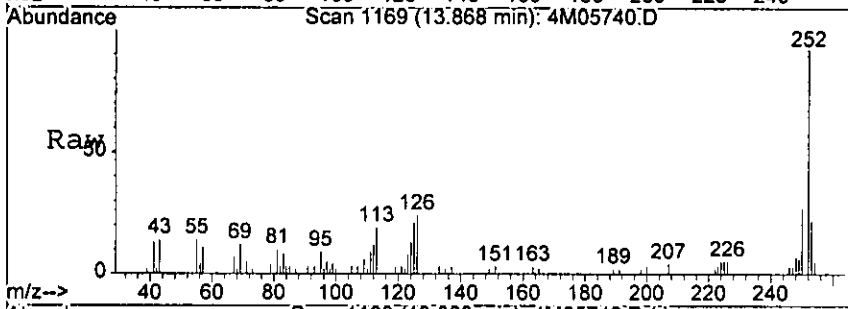


Handwritten signature

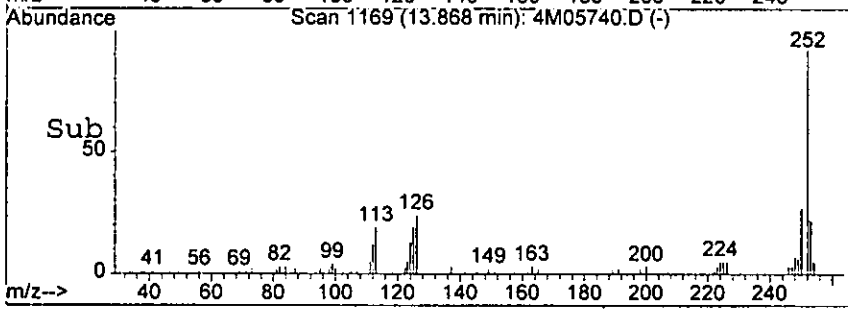
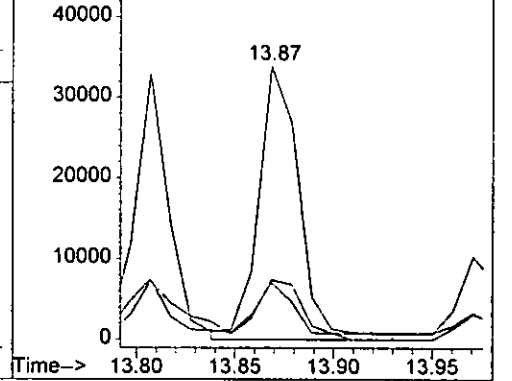


#85
 Benzo[a]pyrene
 Concen: 37.33 ng
 RT: 13.87 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: 4M05740.D
 Acq: 19 Aug 2005 12:34

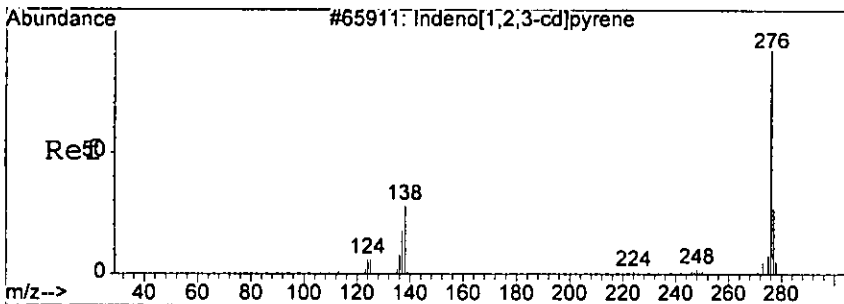
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	0.0	62.9
125	18.8	0.0	57.6



Abundance Ion 252.00 (251.70 to 252.70): 4M0574
 Ion 253.00 (252.70 to 253.70): 4M0574
 Ion 125.00 (124.70 to 125.70): 4M0574

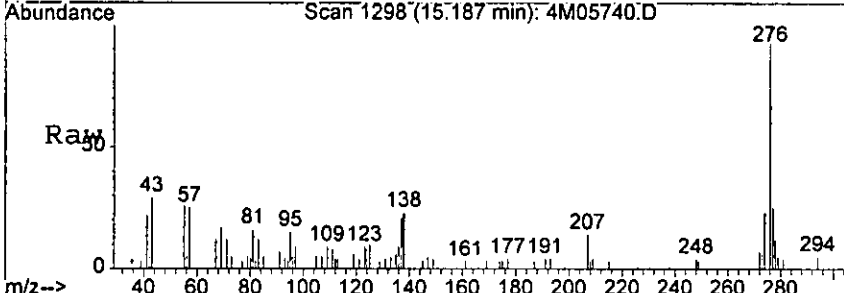


Handwritten signature

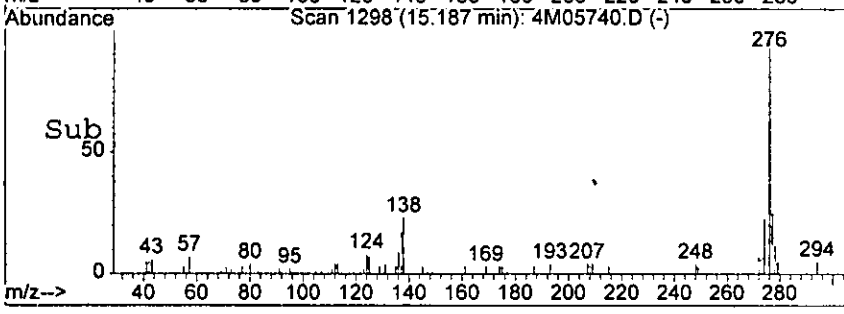
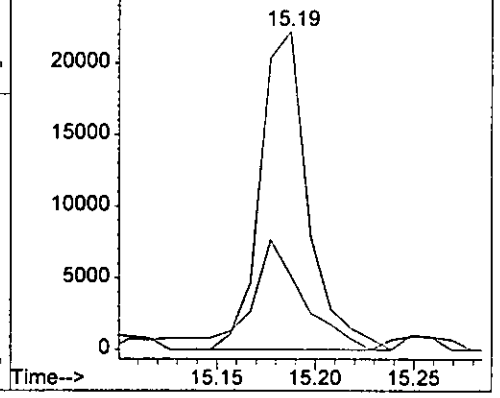


#86
 Indeno[1,2,3-cd]pyrene
 Concen: 24.04 ng
 RT: 15.19 min Scan# 1298
 Delta R.T. 0.01 min
 Lab File: 4M05740.D
 Acq: 19 Aug 2005 12:34

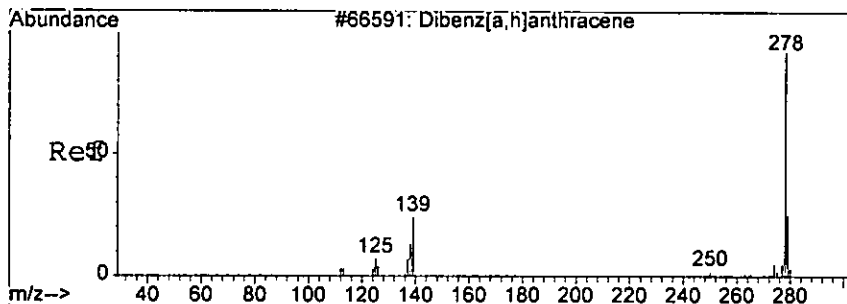
Tgt Ion	Resp	Ratio Lower	Ratio Upper
276	37591	100	
138	20.1	0.0	73.4



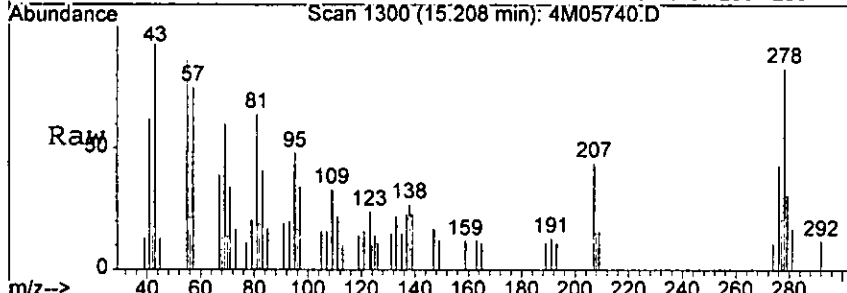
Abundance Ion 276.00 (275.70 to 276.70): 4M0574
 Ion 138.00 (137.70 to 138.70): 4M0574



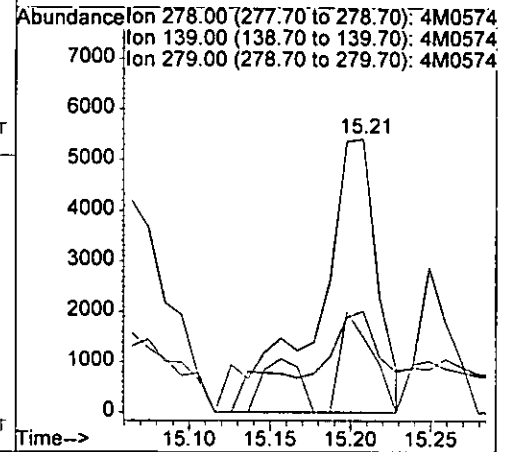
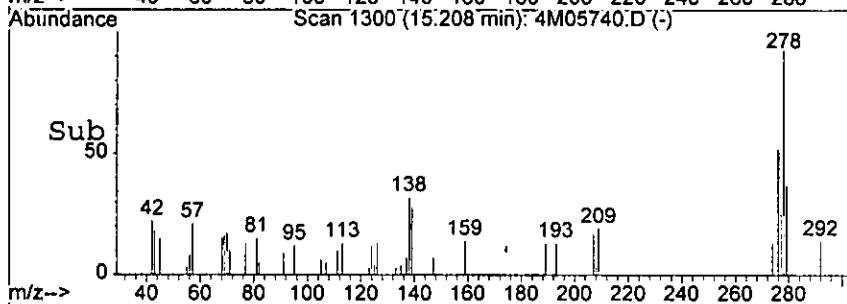
Handwritten signature



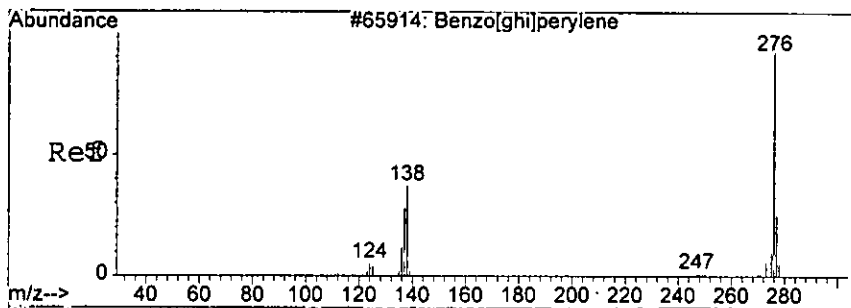
#87
 Dibenz[a,h]anthracene
 Concen: 11.75 ng
 RT: 15.21 min Scan# 1300
 Delta R.T. 0.01 min
 Lab File: 4M05740.D
 Acq: 19 Aug 2005 12:34



Tgt Ion	Resp	Lower	Upper
278	14348	100	
139	27.7	0.0	63.8
279	37.2	0.0	64.0



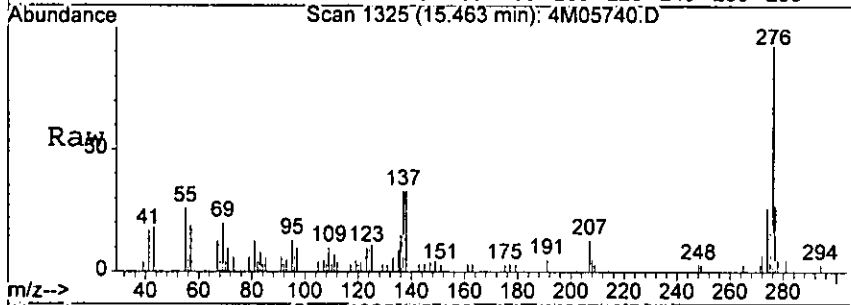
Handwritten signature



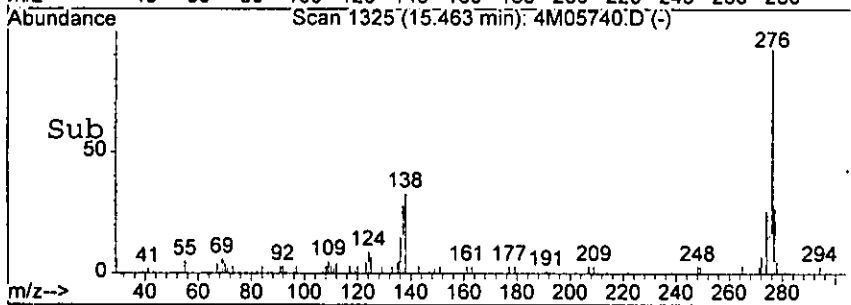
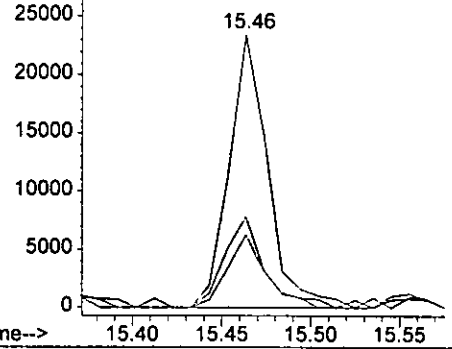
#88
 Benzo[g,h,i]perylene
 Concen: 27.53 ng
 RT: 15.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: 4M05740.D
 Acq: 19 Aug 2005 12:34

0742

Tgt Ion	Resp	Lower	Upper
276	35459	100	
138	33.3	0.0	74.1
277	26.8	0.0	65.0



Abundance Ion 276.00 (275.70 to 276.70): 4M0574
 Ion 138.00 (137.70 to 138.70): 4M0574
 Ion 277.00 (276.70 to 277.70): 4M0574



Wor

Form1

ORGANICS SEMIVOLATILE REPORT

0743

Sample Number: AC19099-015
 Client Id: PCSB - 60 (4)
 Data File: 4M05711.D
 Analysis Date: 08/18/05 16:24
 Date Rec/Extracted: 08/16/05-08/17/05

Matrix: Soil
 Initial Vol: 30g
 Final Vol: 1ml
 Dilution: 1
 Solids: 87

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.010	U	205-99-2	Benzo[b]fluoranthene	0.011	2.1
95-50-1	1,2-Dichlorobenzene	0.017	U	191-24-2	Benzo[g,h,i]perylene	0.0073	0.65
122-66-7	1,2-Diphenylhydrazine	0.011	U	207-08-9	Benzo[k]fluoranthene	0.012	0.53
541-73-1	1,3-Dichlorobenzene	0.016	U	111-91-1	bis(2-Chloroethoxy)methan	0.0087	U
106-46-7	1,4-Dichlorobenzene	0.019	U	111-44-4	bis(2-Chloroethyl)ether	0.020	U
95-95-4	2,4,5-Trichlorophenol	0.52	U	108-60-1	bis(2-chloroisopropyl)ether	0.012	U
88-06-2	2,4,6-Trichlorophenol	0.93	U	117-81-7	bis(2-Ethylhexyl)phthalat	0.035	0.54
120-83-2	2,4-Dichlorophenol	0.062	U	85-68-7	Butylbenzylphthalate	0.015	U
105-67-9	2,4-Dimethylphenol	0.053	U	86-74-8	Carbazole	0.011	0.12
51-28-5	2,4-Dinitrophenol	0.26	U	218-01-9	Chrysene	0.0079	1.3
121-14-2	2,4-Dinitrotoluene	0.014	U	84-74-2	Di-n-butylphthalate	0.0086	0.059 B
606-20-2	2,6-Dinitrotoluene	0.016	U	117-84-0	Di-n-octylphthalate	0.0090	U
91-58-7	2-Chloronaphthalene	0.011	U	53-70-3	Dibenzo[a,h]anthracene	0.013	0.27
95-57-8	2-Chlorophenol	0.078	U	132-64-9	Dibenzofuran	0.049	0.28
91-57-6	2-Methylnaphthalene	0.049	0.58	84-66-2	Diethylphthalate	0.011	0.13
95-48-7	2-Methylphenol	0.18	U	131-11-3	Dimethylphthalate	0.0087	U
88-74-4	2-Nitroaniline	0.027	U	206-44-0	Fluoranthene	0.011	2.5
88-75-5	2-Nitrophenol	0.045	U	86-73-7	Fluorene	0.0097	0.49
106-44-5	3&4-Methylphenol	0.20	U	118-74-1	Hexachlorobenzene	0.018	U
91-94-1	3,3'-Dichlorobenzidine	0.084	U	87-68-3	Hexachlorobutadiene	0.016	U
99-09-2	3-Nitroaniline	0.16	U	77-47-4	Hexachlorocyclopentadiene	0.10	U
534-52-1	4,6-Dinitro-2-methylphenol	0.073	U	67-72-1	Hexachloroethane	0.029	U
101-55-3	4-Bromophenyl-phenylether	0.015	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.0053	0.59
59-50-7	4-Chloro-3-methylphenol	0.097	U	78-59-1	Isophorone	0.012	U
106-47-8	4-Chloroaniline	0.30	U	621-64-7	N-Nitroso-di-n-propylamine	0.019	U
7005-72-3	4-Chlorophenyl-phenylether	0.018	U	62-75-9	N-Nitrosodimethylamine	0.45	U
100-01-6	4-Nitroaniline	0.094	U	86-30-6	n-Nitrosodiphenylamine	0.018	U
100-02-7	4-Nitrophenol	0.068	U	91-20-3	Naphthalene	0.0090	0.33
83-32-9	Acenaphthene	0.016	0.40	98-95-3	Nitrobenzene	0.015	U
208-96-8	Acenaphthylene	0.0089	0.15	87-86-5	Pentachlorophenol	0.047	U
120-12-7	Anthracene	0.010	0.46	85-01-8	Phenanthrene	0.0088	1.4
92-87-5	Benzidine	0.087	U	108-95-2	Phenol	0.058	U
56-55-3	Benzo[a]anthracene	0.0067	1.3	129-00-0	Pyrene	0.0089	2.7
50-32-8	Benzo[a]pyrene	0.0088	1.3				

Worksheet #: 18797

Total Target Concentration 18.179

U - Indicates the compound was analyzed but not detected.
 B - Indicates the analyte was found in the blank as well as in the sample.
 E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
 J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

Data File : G:\GcMsData\2005\Gcms_4\Data\08-18-05\4M05711.D Vial: 1
 Acq On : 18 Aug 2005 16:24 Operator: AHD
 Sample : AC19099-015 Inst : GCMS_4
 Misc : S,BNA Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:26 2005 Quant Results File: 4M_0818.RES

Quant Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration
 DataAcq Meth : 4M_0818

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	4.78	152	63218	40.00	ng	0.00
19) Naphthalene-d8	5.77	136	189072	40.00	ng	0.00
35) Acenaphthene-d10	7.32	164	98360	40.00	ng	0.00
59) Phenanthrene-d10	8.92	188	191478	40.00	ng	0.00
72) Chrysene-d12	12.10	240	152340	40.00	ng	0.00
81) Perylene-d12	13.94	264	78115	40.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	3.62	112	257420	147.23	ng	0.00
Spiked Amount	200.000		Recovery	=	73.61%	
7) Phenol-d5	4.50	99	329189	149.06	ng	0.00
Spiked Amount	200.000		Recovery	=	74.53%	
20) Nitrobenzene-d5	5.23	128	68976	78.92	ng	0.00
Spiked Amount	100.000		Recovery	=	78.92%	
40) 2-Fluorobiphenyl	6.69	172	254138	81.79	ng	0.00
Spiked Amount	100.000		Recovery	=	81.79%	
62) 2,4,6-Tribromophenol	8.15	332	126864	163.65	ng	0.00
Spiked Amount	200.000		Recovery	=	81.83%	
75) Terphenyl-d14	10.82	244	312965	87.48	ng	0.00
Spiked Amount	100.000		Recovery	=	87.48%	

Target Compounds

						Qvalue
29) Naphthalene	5.79	128	39130	8.73	ng	96
33) 2-Methylnaphthalene	6.36	142	45548	15.02	ng	100
46) Acenaphthylene	7.19	152	17028	3.90	ng	82
49) Acenaphthene	7.36	153	28680	10.52	ng	90
52) Dibenzofuran	7.54	168	28577	7.35	ng	88
55) Fluorene	7.89	166	37729	12.83	ng	99
57) Diethylphthalate	7.79	149	12247	3.47	ng	92
67) Phenanthrene	8.95	178	186615	37.44	ng	99
68) Anthracene	9.00	178	60220	12.01	ng	90
69) Carbazole	9.21	167	15368	3.17	ng	93
70) Di-n-butylphthalate	9.66	149	10405	1.55	ng	56
71) Fluoranthene	10.35	202	355271	65.74	ng	82
73) Pyrene	10.60	202	366228	70.16	ng	97
78) Benzo[a]anthracene	12.09	228	164560	34.48	ng	99
79) Chrysene	12.13	228	149674	32.98	ng	97
80) bis(2-Ethylhexyl)phthalate	12.22	149	54794	13.98	ng	98
83) Benzo[b]fluoranthene	13.47	252	158711m	55.31	ng	
84) Benzo[k]fluoranthene	13.51	252	35384m	13.85	ng	
85) Benzo[a]pyrene	13.87	252	88127	34.05	ng	98

(#) = qualifier out of range (m) = manual integration

1820

075
130

Data File : G:\GcMsData\2005\Gcms_4\Data\08-18-05\4M05711.D Vial: 1
 Acq On : 18 Aug 2005 16:24 Operator: AHD
 Sample : AC19099-015 Inst : GCMS_4
 Misc : S,BNA Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:26 2005 Quant Results File: 4M_0818.RES

Quant Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration
 DataAcq Meth : 4M_0818

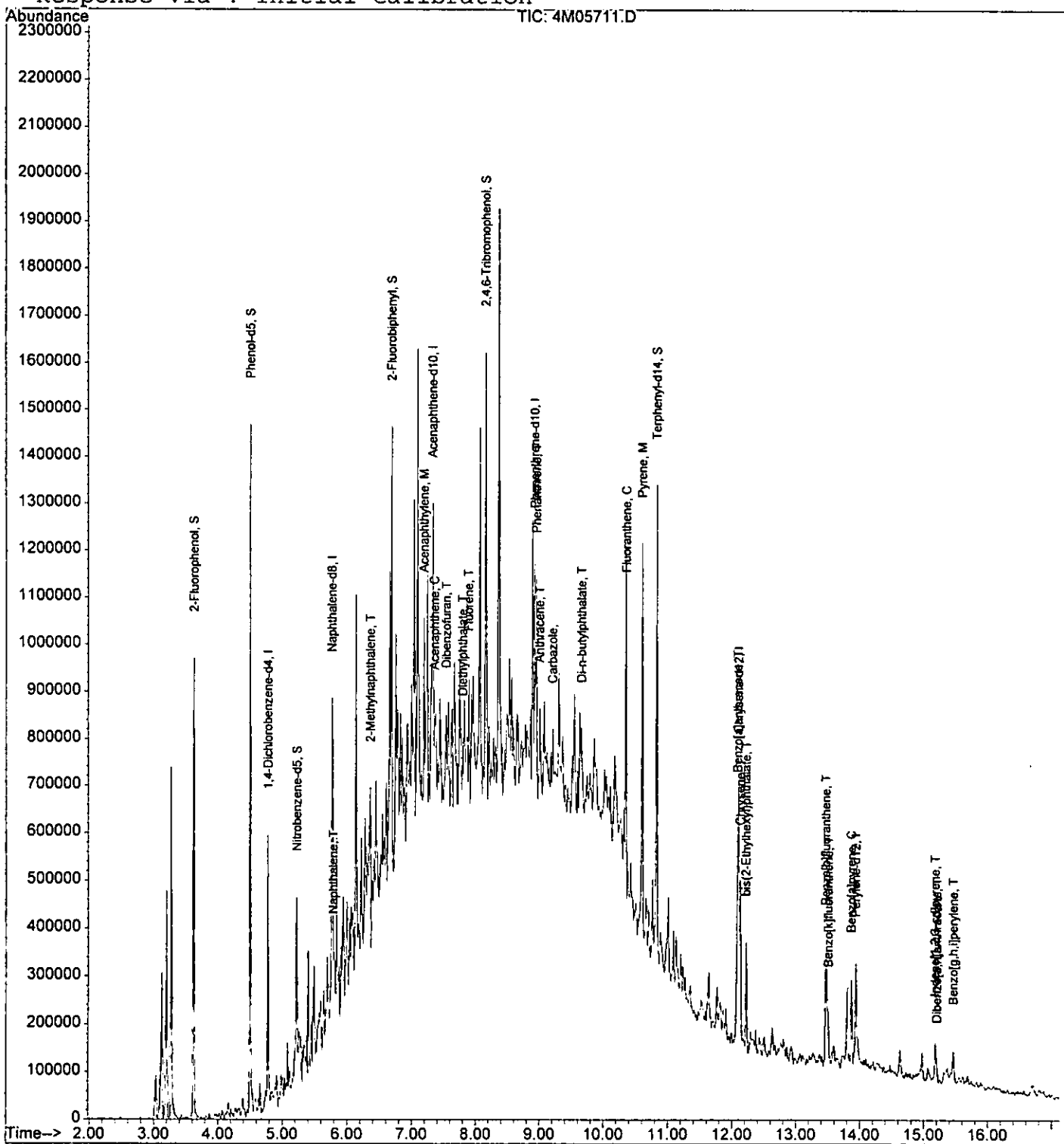
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
86) Indeno[1,2,3-cd]pyrene	15.18	276	47403	15.27	ng	87
87) Dibenzo[a,h]anthracene	15.21	278	17304	7.13	ng	83
88) Benzo[g,h,i]perylene	15.46	276	43349	16.95	ng	92

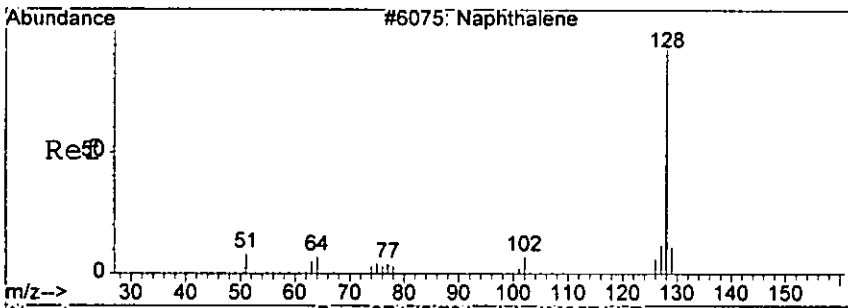
 (#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : G:\GcMsData\2005\Gcms_4\Data\08-18-05\4M05711.D Vial: 1
Acq On : 18 Aug 2005 16:24 Operator: AHD
Sample : AC19099-015 Inst : GCMS_4
Misc : S,BNA Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 29 16:26 2005 Quant Results File: 4M_0818.RES

Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
Title : @GCMS_4,mg,625,8270
Last Update : Thu Aug 18 14:49:57 2005
Response via : Initial Calibration

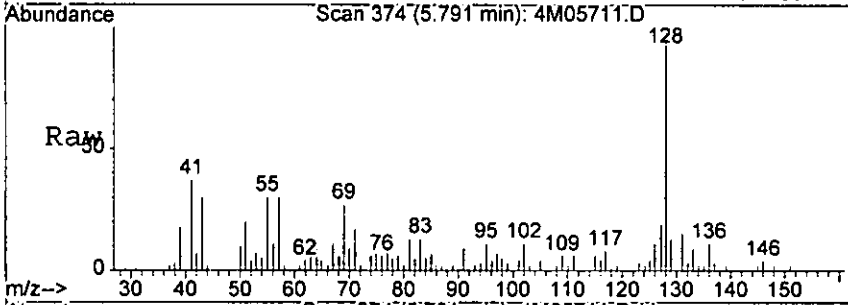




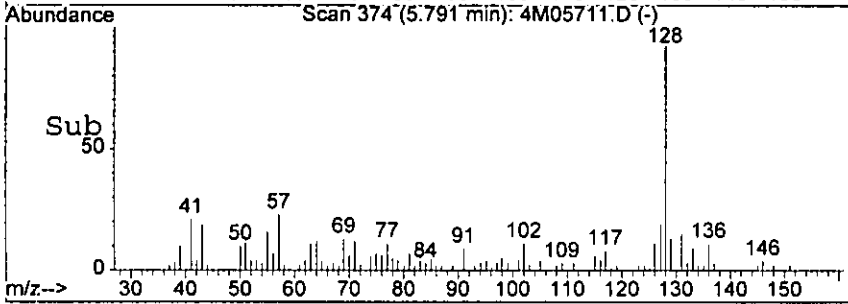
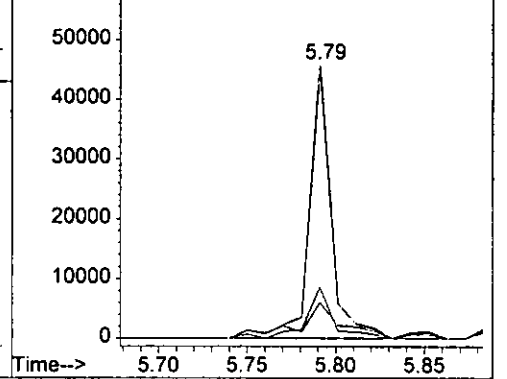
#29
 Naphthalene
 Concen: 8.73 ng
 RT: 5.79 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: 4M05711.D
 Acq: 18 Aug 2005 16:24

0747

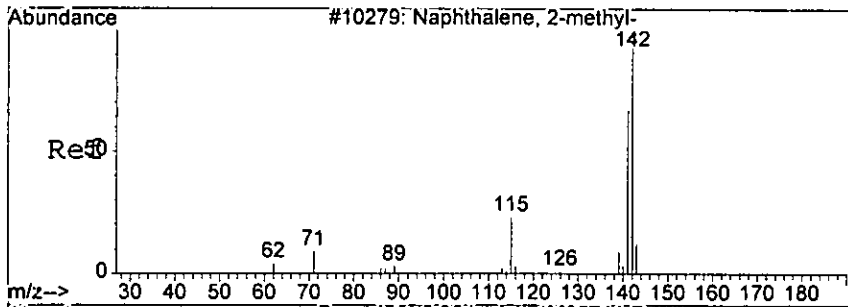
Tgt Ion	Resp	Lower	Upper
128	39130	100	
129	13.1	0.0	51.8
127	18.8	0.0	57.0



Abundance Ion 128.00 (127.70 to 128.70): 4M0571
 Ion 129.00 (128.70 to 129.70): 4M0571
 Ion 127.00 (126.70 to 127.70): 4M0571

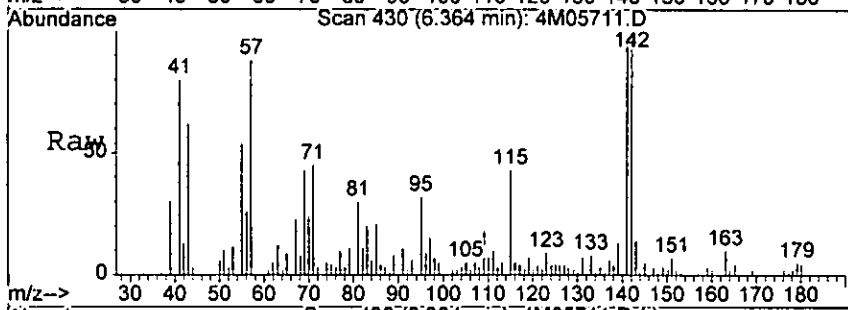


low

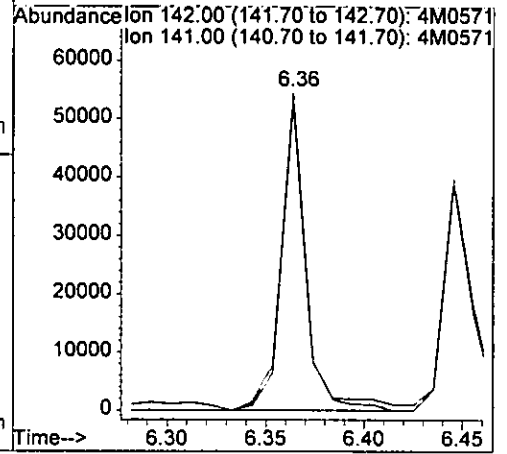
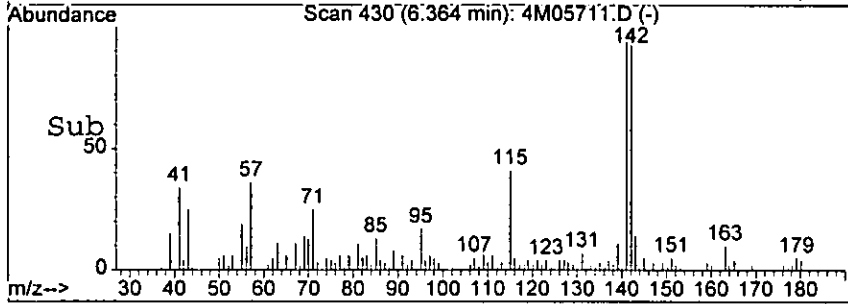


#33
 2-Methylnaphthalene
 Concen: 15.02 ng
 RT: 6.36 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: 4M05711.D
 Acq: 18 Aug 2005 16:24

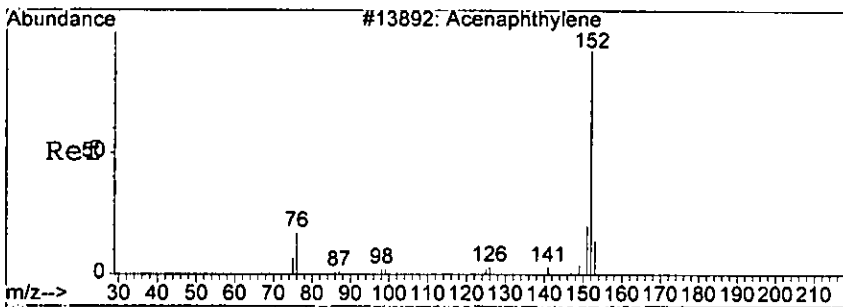
0743



Tgt Ion: 142 Resp: 45548
 Ion Ratio Lower Upper
 142 100
 141 95.4 55.7 135.7



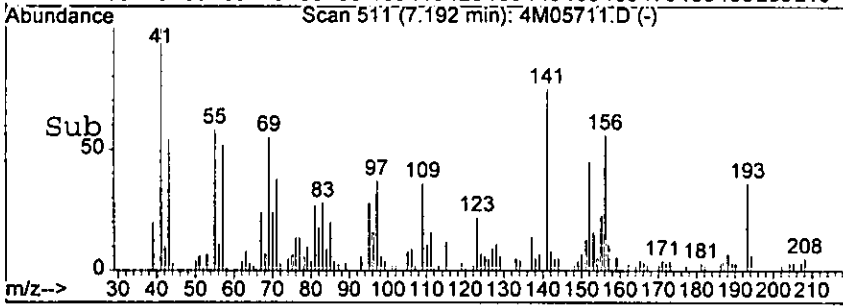
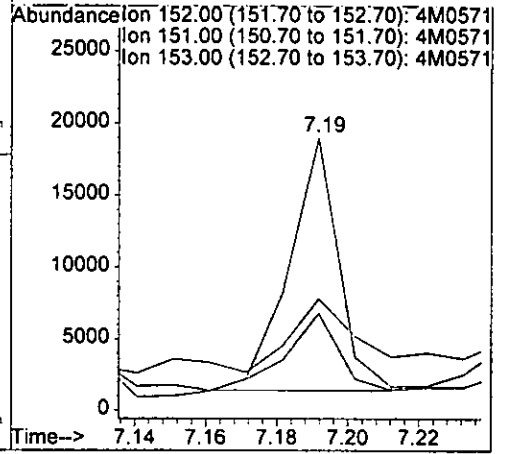
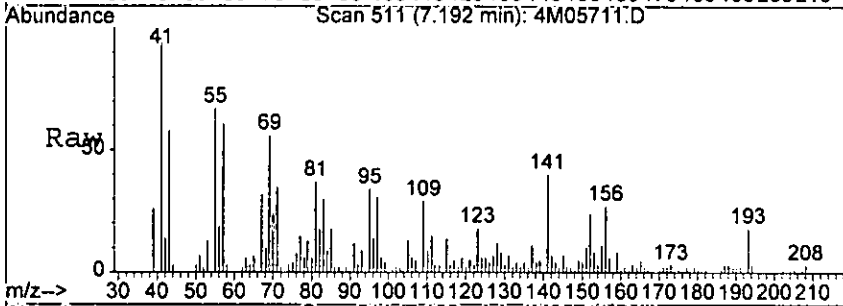
her



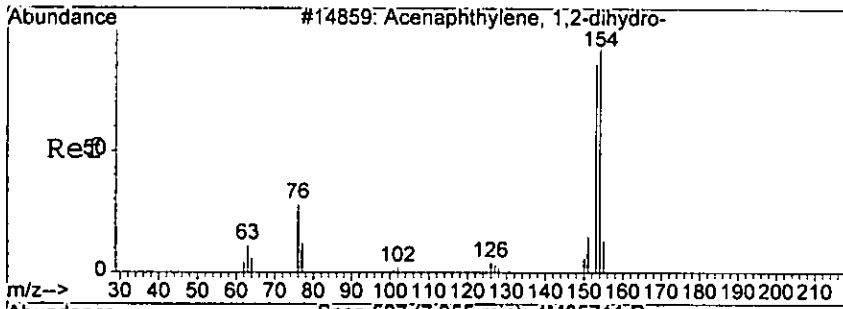
#46
 Acenaphthylene
 Concen: 3.90 ng
 RT: 7.19 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: 4M05711.D
 Acq: 18 Aug 2005 16:24

07/19/05

Tgt Ion	Ratio	Lower	Upper
152	100		
151	25.2	0.0	63.6
153	30.8	0.0	53.8



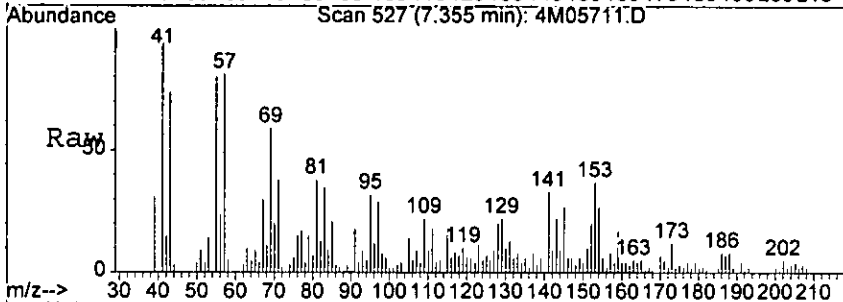
Low



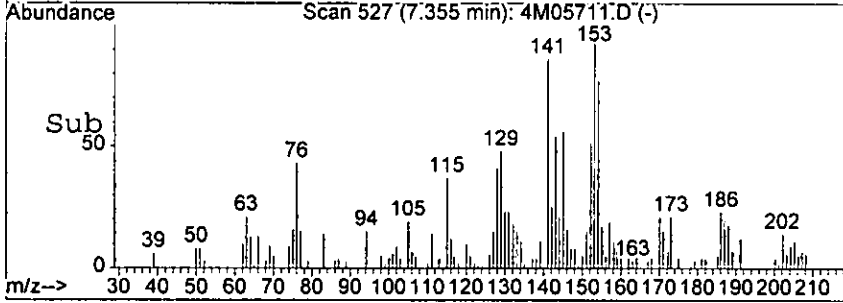
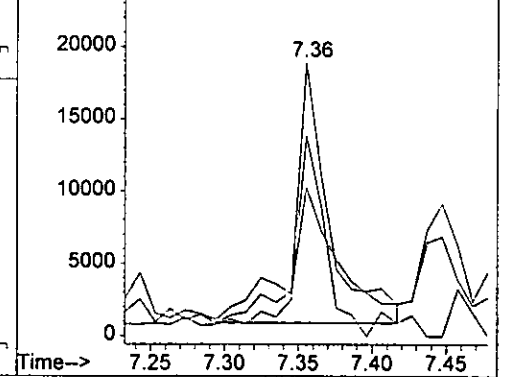
#49
 Acenaphthene
 Concen: 10.52 ng
 RT: 7.36 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: 4M05711.D
 Acq: 18 Aug 2005 16:24

0750

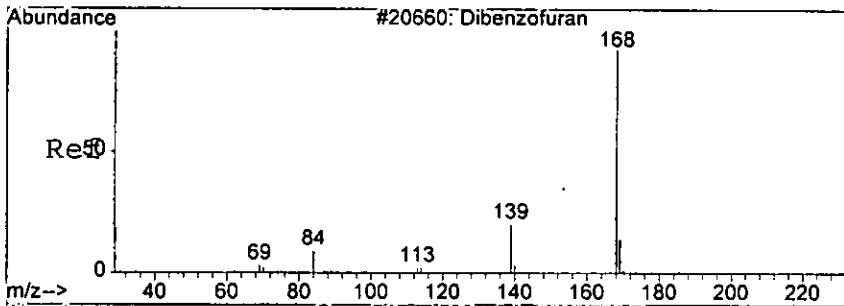
Tgt Ion	Resp	Lower	Upper
153	28680	100	100
152	51.0	8.3	88.3
154	72.8	45.1	125.1



Abundance Ion 153.00 (152.70 to 153.70): 4M0571
 Ion 152.00 (151.70 to 152.70): 4M0571
 Ion 154.00 (153.70 to 154.70): 4M0571



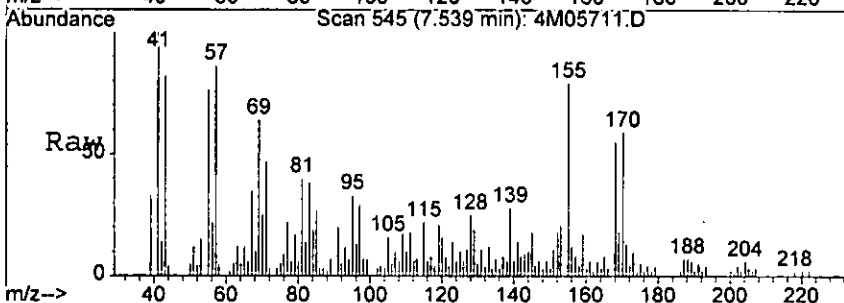
Loar



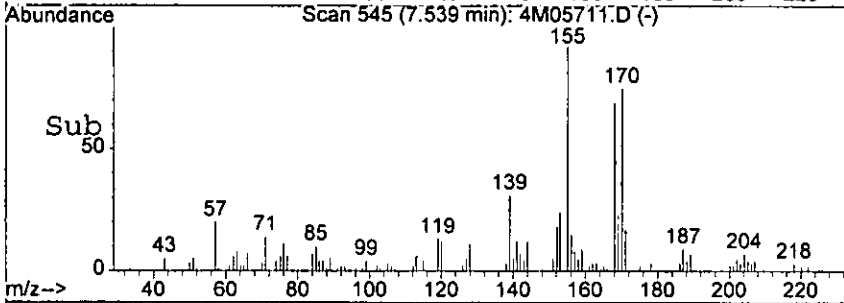
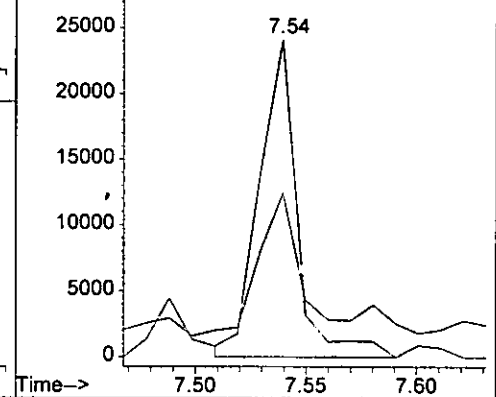
#52
 Dibenzofuran
 Concen: 7.35 ng
 RT: 7.54 min Scan# 545
 Delta R.T. 0.01 min
 Lab File: 4M05711.D
 Acq: 18 Aug 2005 16:24

8751

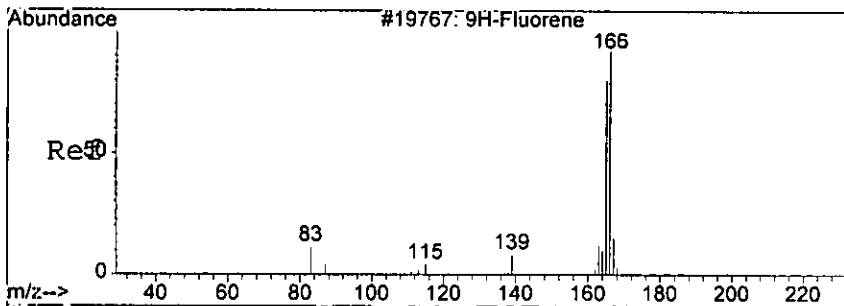
Tgt Ion:168 Resp: 28577
 Ion Ratio Lower Upper
 168 100
 139 43.2 6.0 66.0



Abundance Ion 168.00 (167.70 to 168.70): 4M0571
 Ion 139.00 (138.70 to 139.70): 4M0571



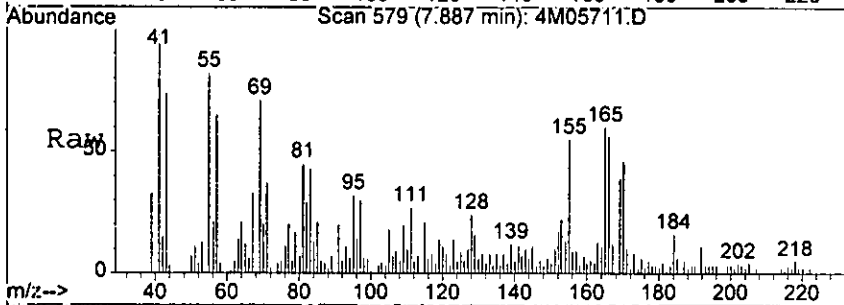
Handwritten signature



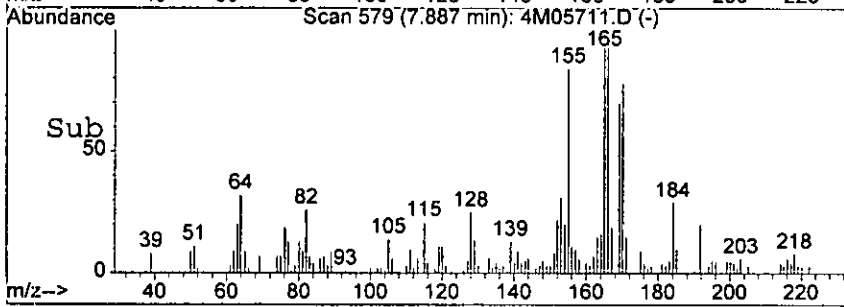
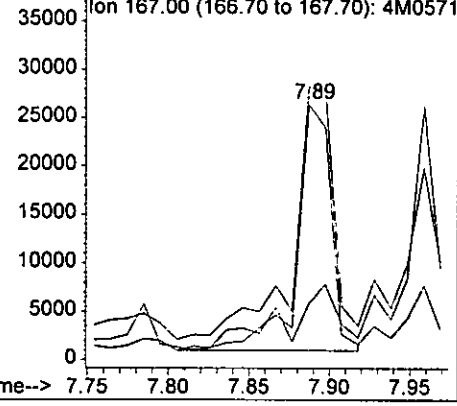
#55
 Fluorene
 Concen: 12.83 ng
 RT: 7.89 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: 4M05711.D
 Acq: 18 Aug 2005 16:24

8752

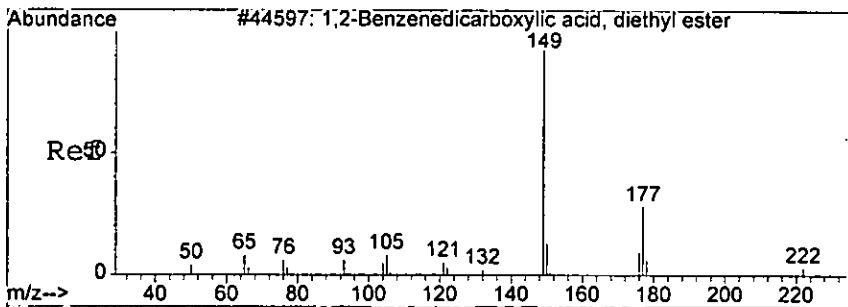
Tgt Ion	Resp	Lower	Upper
166	100		
165	102.9	63.3	143.3
167	17.6	0.0	54.6



Abundance Ion 166.00 (165.70 to 166.70): 4M0571
 Ion 165.00 (164.70 to 165.70): 4M0571
 Ion 167.00 (166.70 to 167.70): 4M0571



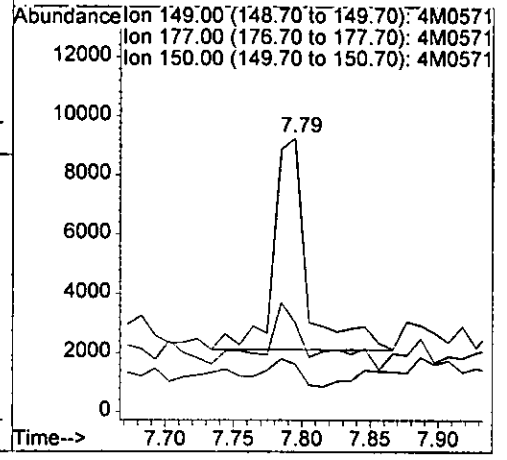
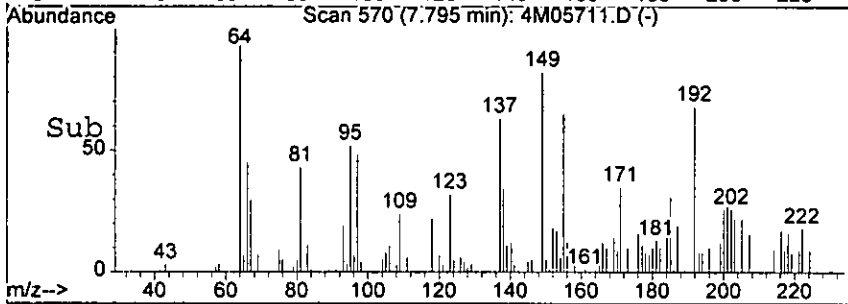
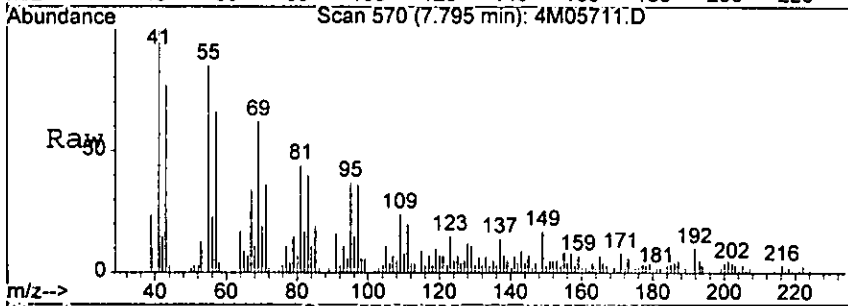
hca



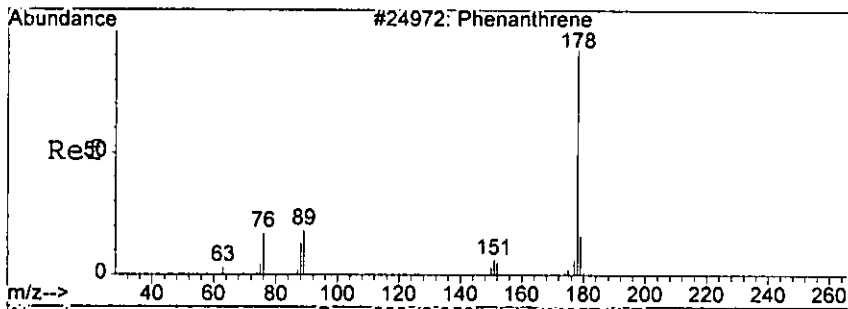
#57
 Diethylphthalate
 Concen: 3.47 ng
 RT: 7.79 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: 4M05711.D
 Acq: 18 Aug 2005 16:24

0753

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
177	19.7	0.0	59.8	
150	4.1	0.0	52.2	



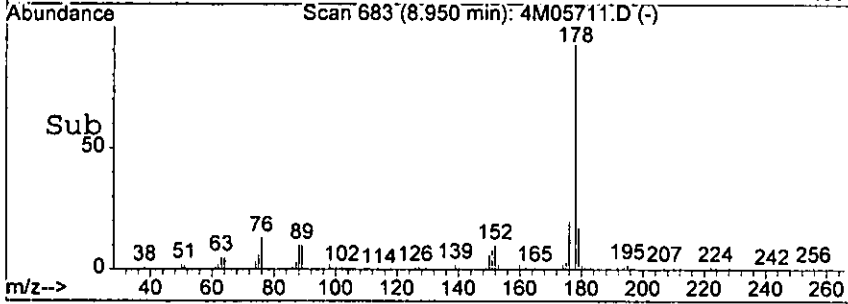
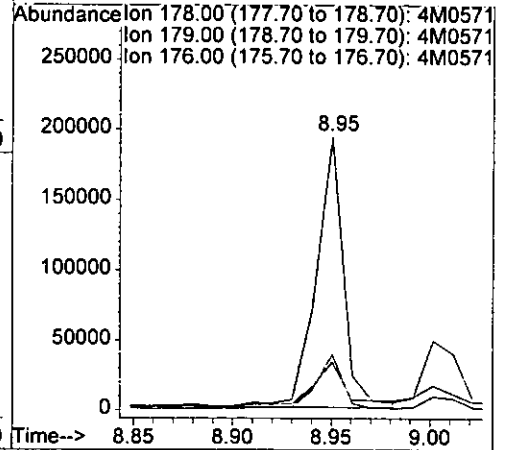
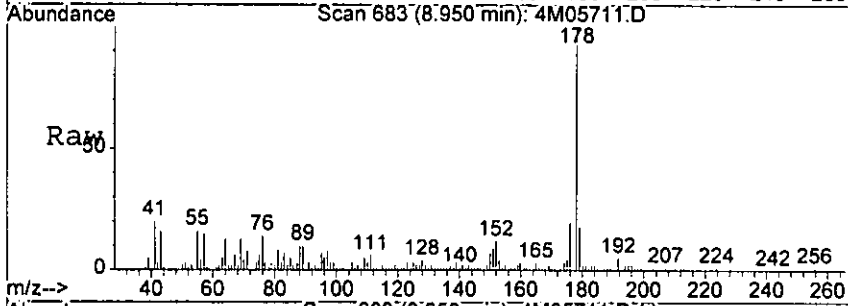
Clear



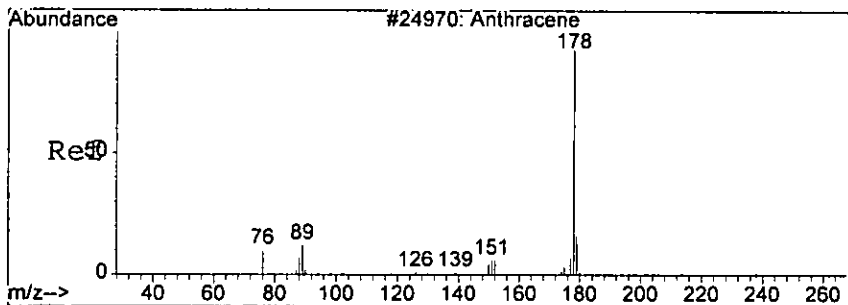
#67
 Phenanthrene
 Concen: 37.44 ng
 RT: 8.95 min Scan# 683
 Delta R.T. 0.01 min
 Lab File: 4M05711.D
 Acq: 18 Aug 2005 16:24

0754

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.3	0.0	56.6
176	20.2	0.0	60.5



18ar

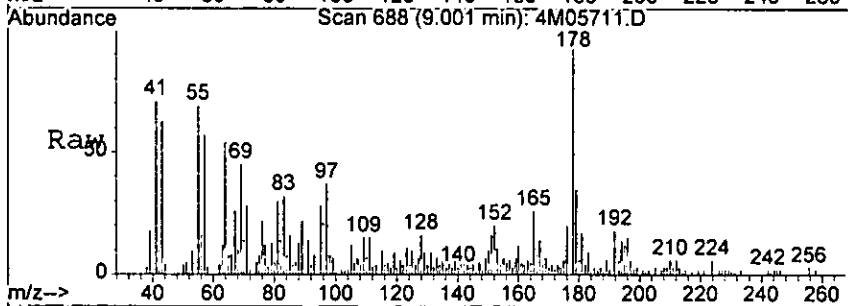


#68
 Anthracene
 Concen: 12.01 ng
 RT: 9.00 min Scan# 688
 Delta R.T. -0.00 min
 Lab File: 4M05711.D
 Acq: 18 Aug 2005 16:24

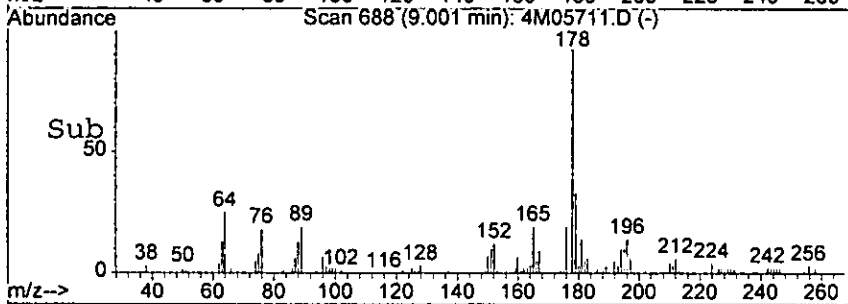
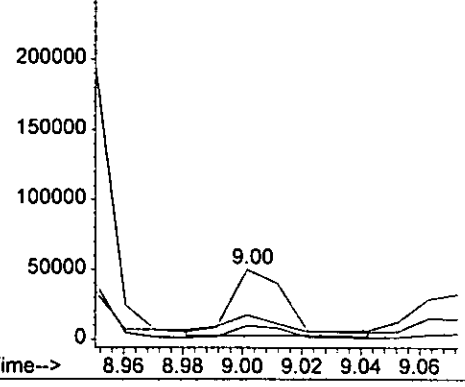
0755

Tgt Ion: 178 Resp: 60220

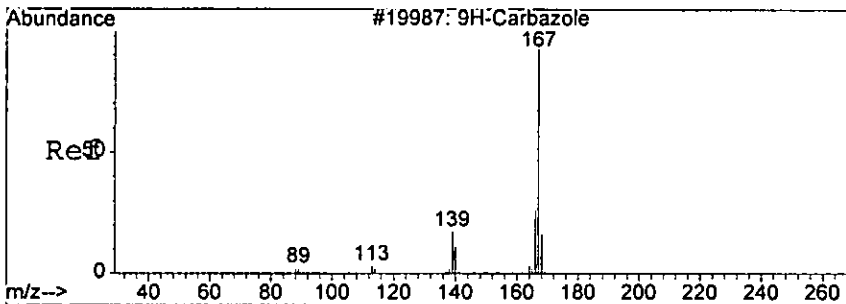
Ion	Ratio	Lower	Upper
178	100		
179	24.8	0.0	56.6
176	18.8	0.0	60.2



Abundance Ion 178.00 (177.70 to 178.70): 4M05711.D
 Ion 179.00 (178.70 to 179.70): 4M05711.D
 Ion 176.00 (175.70 to 176.70): 4M05711.D



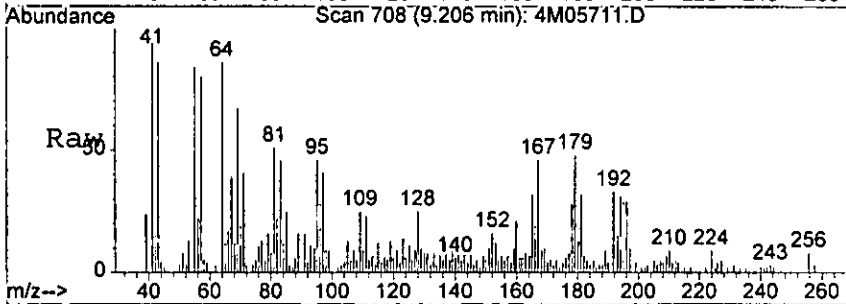
Handwritten signature



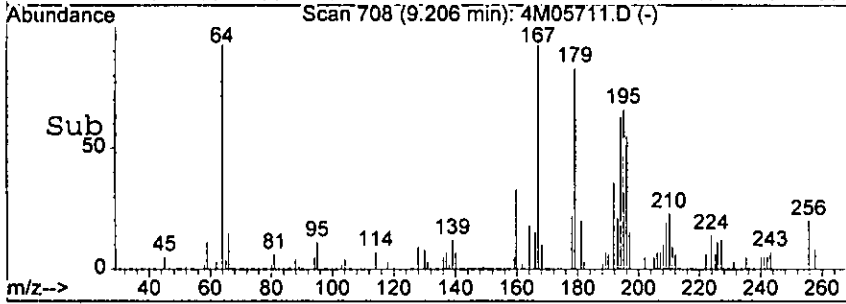
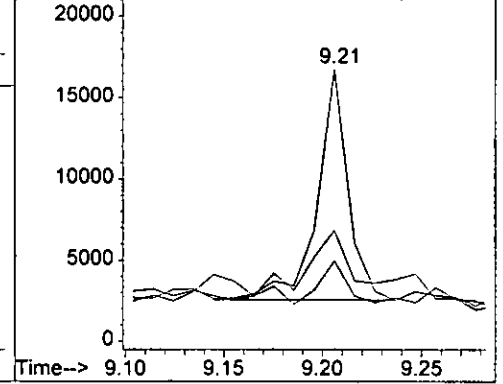
#69
 Carbazole
 Concen: 3.17 ng
 RT: 9.21 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: 4M05711.D
 Acq: 18 Aug 2005 16:24

0756

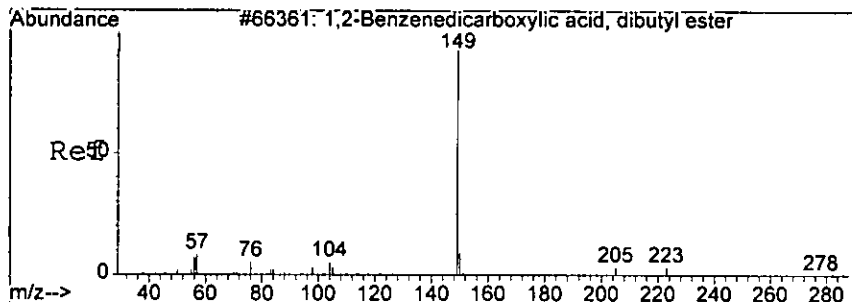
Tgt Ion	Ratio	Resp	Lower	Upper
167	100	15368		
166	21.2		4.9	44.9
139	16.1		0.0	33.9



Abundance Ion 167.10 (166.80 to 167.80): 4M0571
 Ion 166.20 (165.90 to 166.90): 4M0571
 Ion 139.05 (138.75 to 139.75): 4M0571

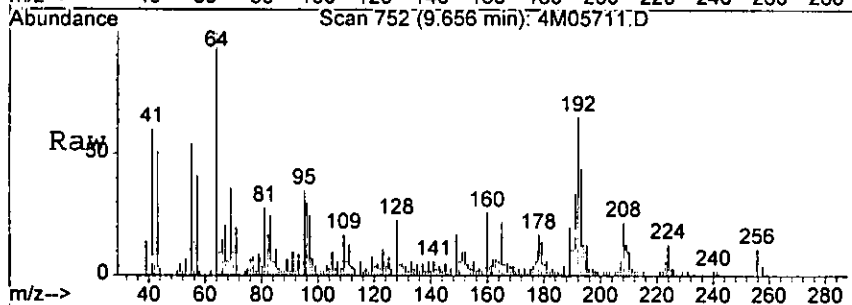


Lea

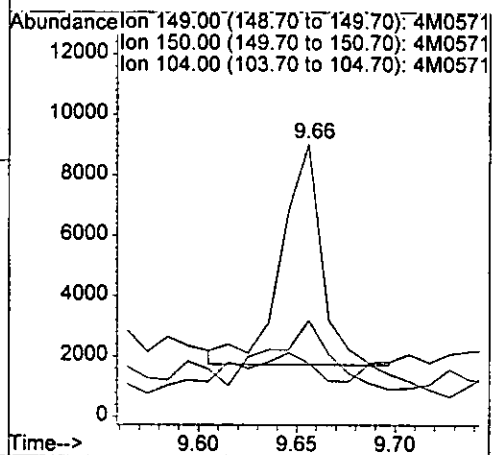
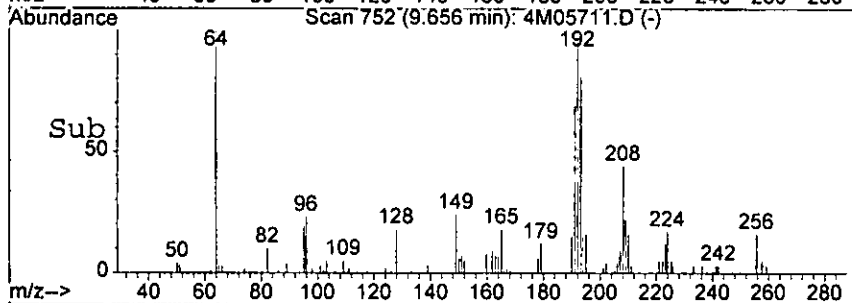


#70
 Di-n-butylphthalate
 Concen: 1.55 ng
 RT: 9.66 min Scan# 752
 Delta R.T. 0.01 min
 Lab File: 4M05711.D
 Acq: 18 Aug 2005 16:24

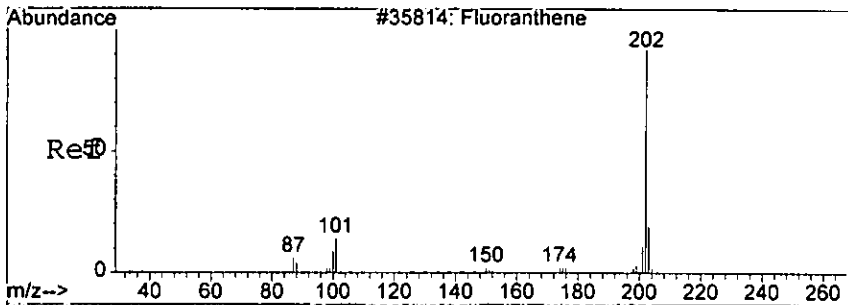
0757



Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
150	31.5	0.0	0.0	49.8
104	8.6	0.0	0.0	44.6



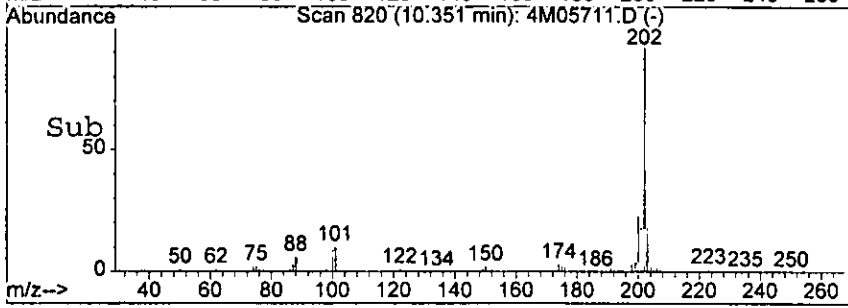
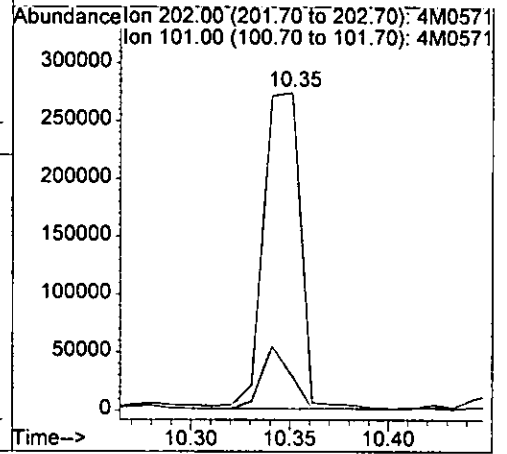
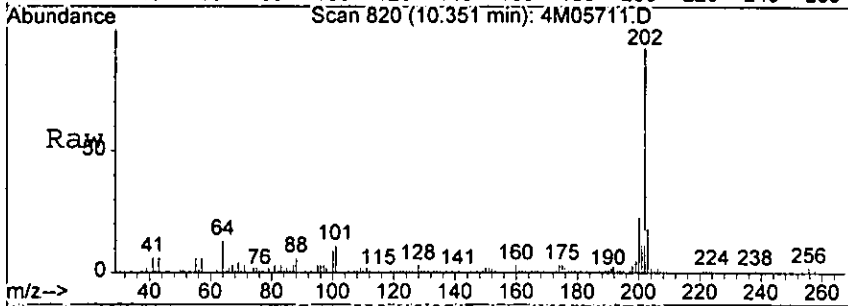
Handwritten signature



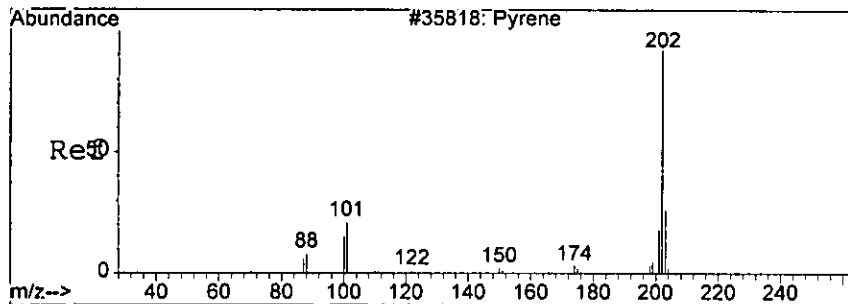
#71
 Fluoranthene
 Concen: 65.74 ng
 RT: 10.35 min Scan# 820
 Delta R.T. 0.03 min
 Lab File: 4M05711.D
 Acq: 18 Aug 2005 16:24

0758

Tgt Ion: 202 Resp: 355271
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 58.3

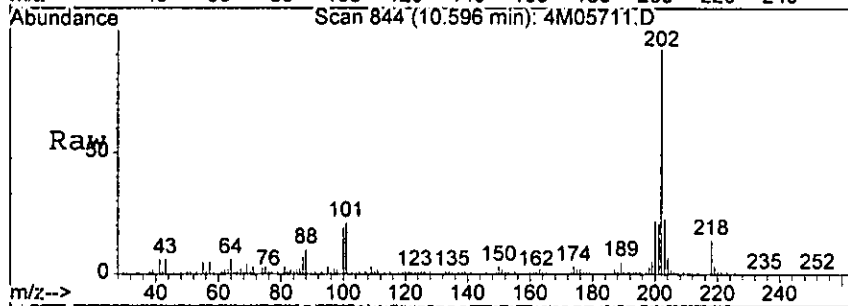


Handwritten signature



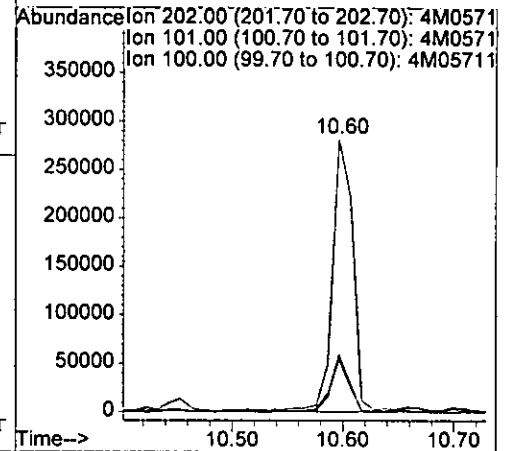
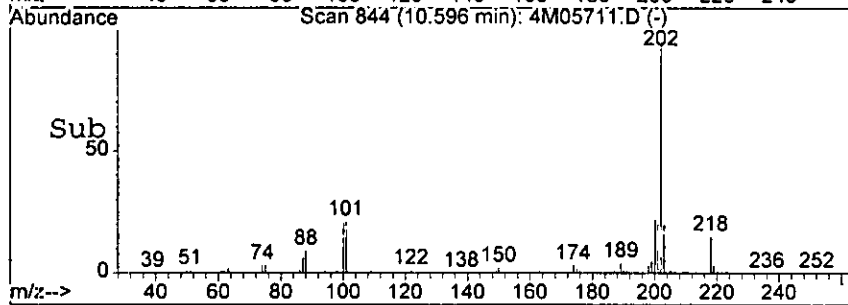
#73
 Pyrene
 Concen: 70.16 ng
 RT: 10.60 min Scan# 844
 Delta R.T. 0.01 min
 Lab File: 4M05711.D
 Acq: 18 Aug 2005 16:24

0759

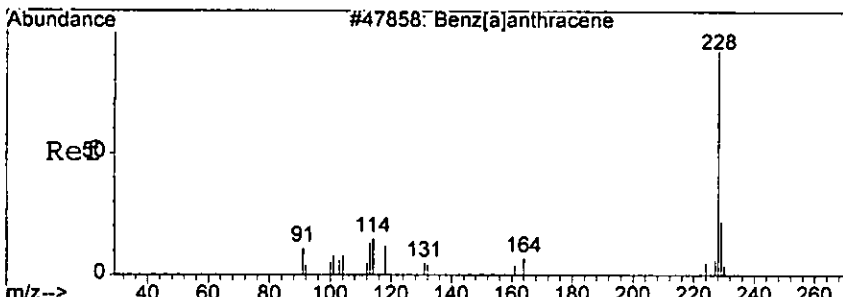


Tgt Ion: 202 Resp: 366228

Ion	Ratio	Lower	Upper
202	100		
101	20.8	0.0	62.7
100	19.5	0.0	60.5

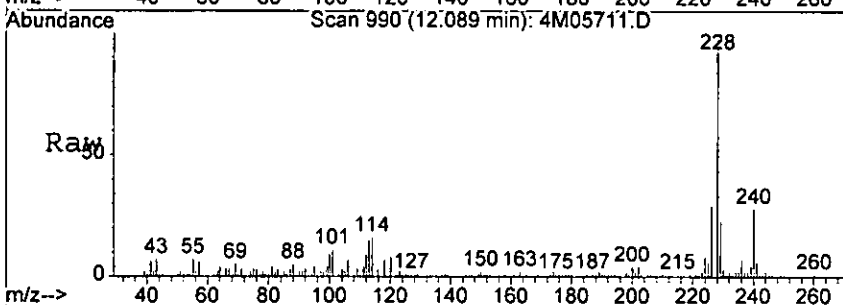


Handwritten signature



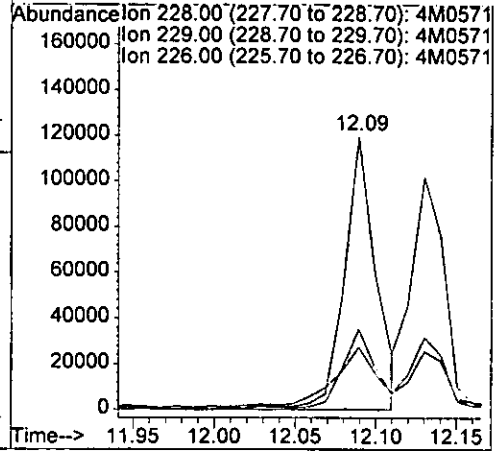
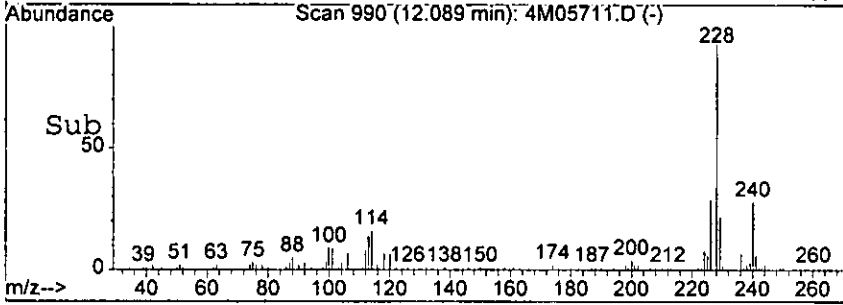
#78
 Benzo[a]anthracene
 Concen: 34.48 ng
 RT: 12.09 min Scan# 990
 Delta R.T. 0.01 min
 Lab File: 4M05711.D
 Acq: 18 Aug 2005 16:24

0768

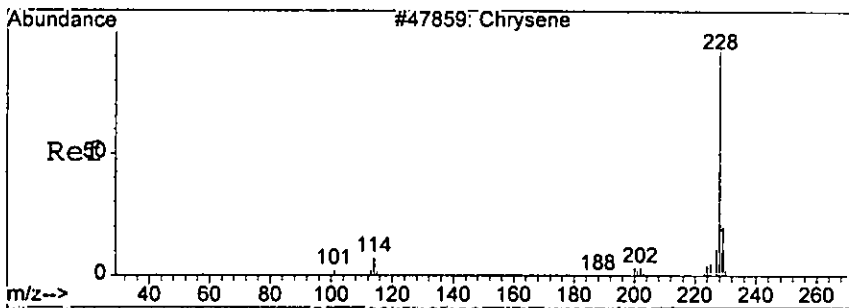


Tgt Ion: 228 Resp: 164560

Ion	Ratio	Lower	Upper
228	100		
229	21.6	0.0	60.5
226	29.4	0.0	69.0



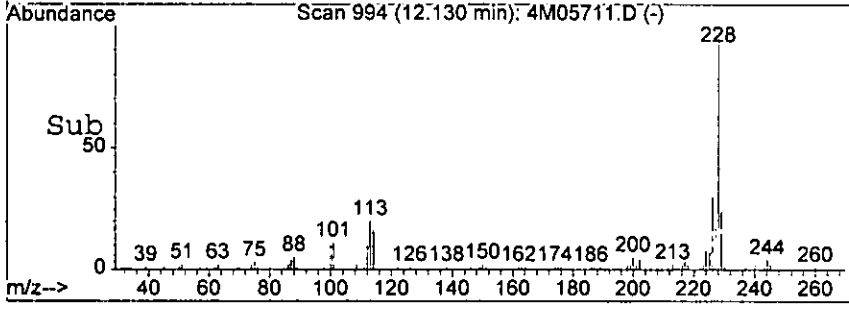
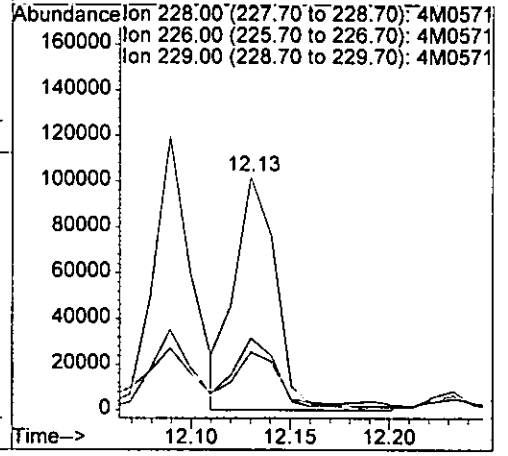
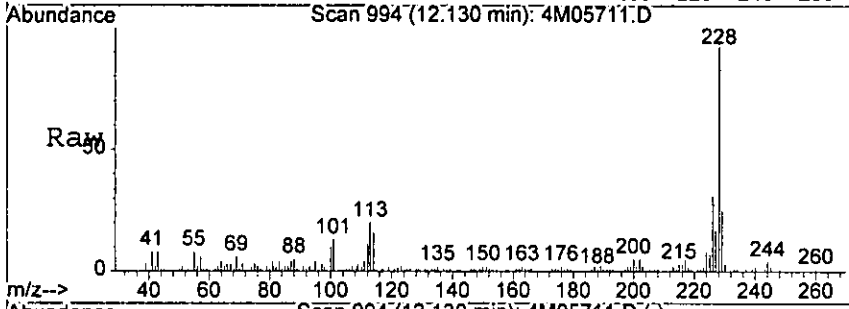
low



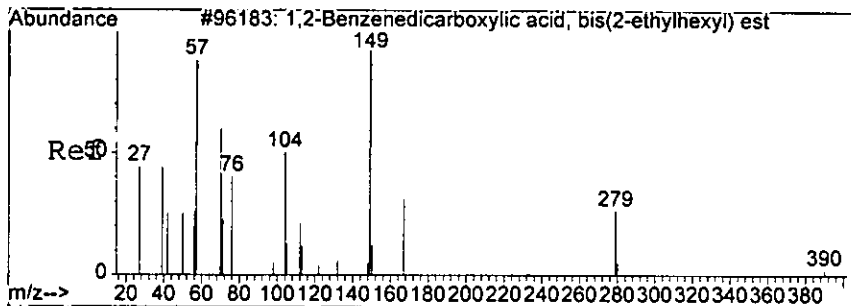
#79
 Chrysene
 Concen: 32.98 ng
 RT: 12.13 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: 4M05711.D
 Acq: 18 Aug 2005 16:24

0761

Tgt Ion	Resp	Lower	Upper
228	149674	100	
226	30.4	12.0	52.0
229	23.0	0.0	61.1

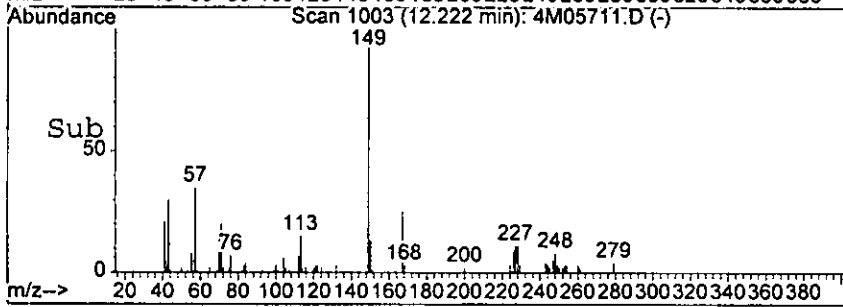
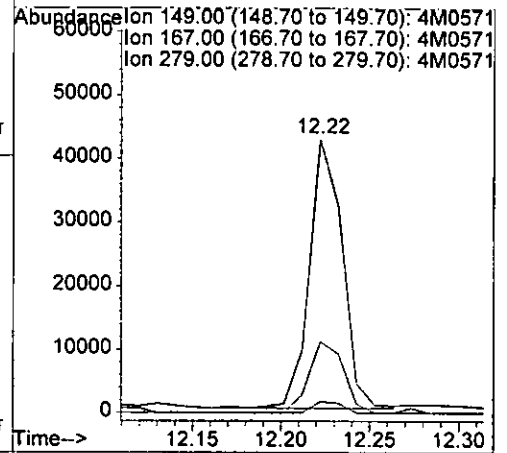
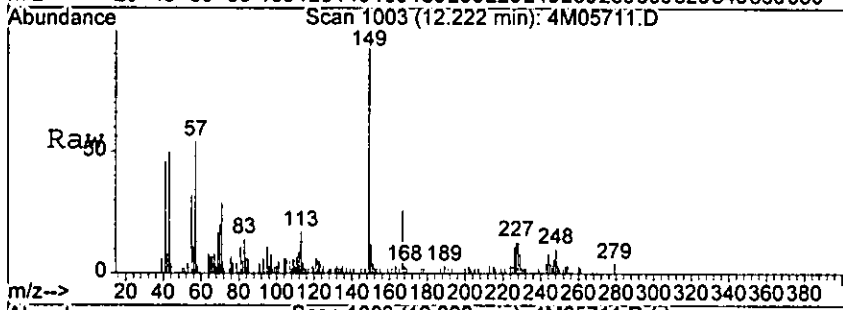


Verar

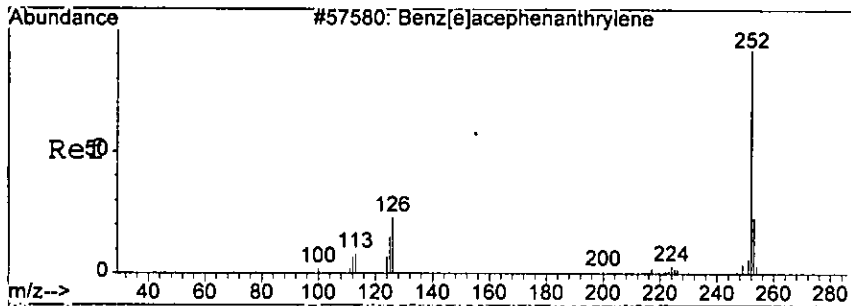


#80
 bis(2-Ethylhexyl)phthalate
 Concn: 13.98 ng
 RT: 12.22 min Scan# 1003
 Delta R.T. -0.00 min
 Lab File: 4M05711.D
 Acq: 18 Aug 2005 16:24

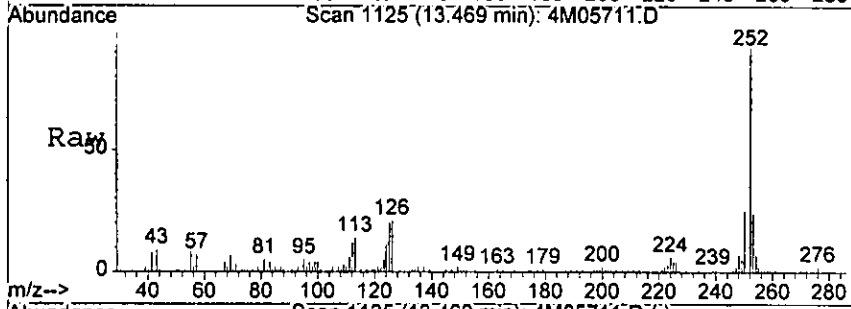
Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.7	0.0	53.9
279	4.1	0.0	43.5



Low

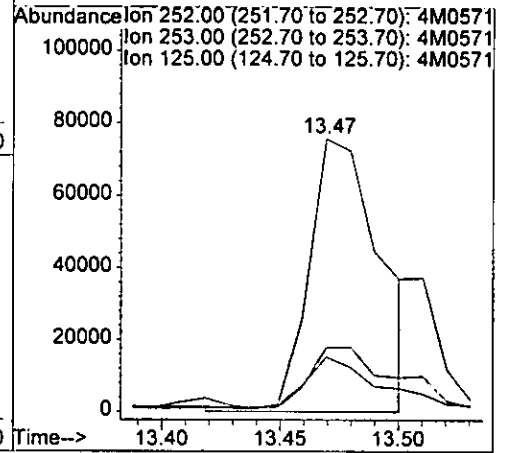
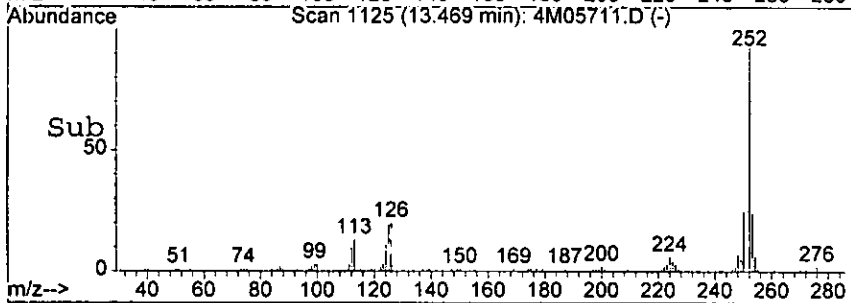


#83
 Benzo [b] fluoranthene **0763**
 Concen: 55.31 ng m
 RT: 13.47 min Scan# 1125
 Delta R.T. -0.00 min
 Lab File: 4M05711.D
 Acq: 18 Aug 2005 16:24

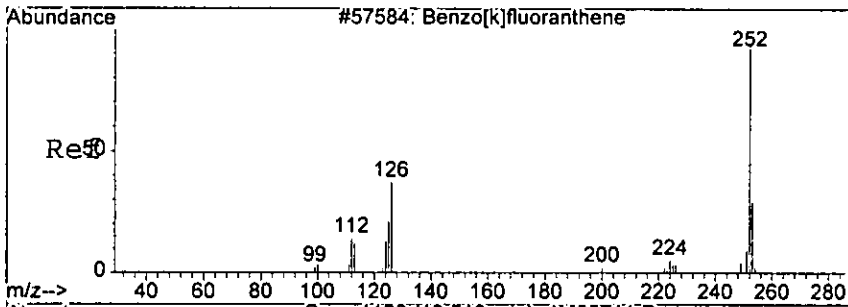


Tgt Ion: 252 Resp: 158711

Ion	Ratio	Lower	Upper
252	100		
253	23.5	0.0	63.3
125	20.2	0.0	57.6



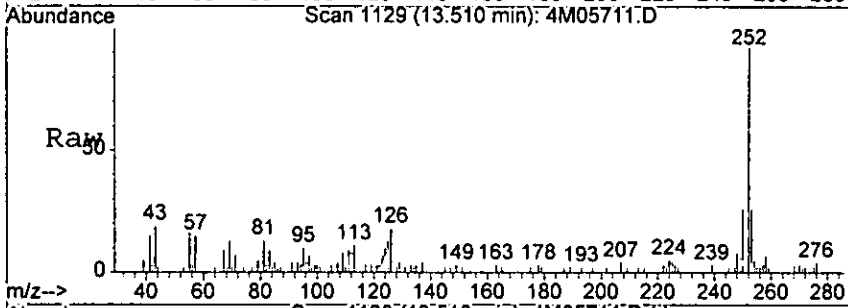
Ver



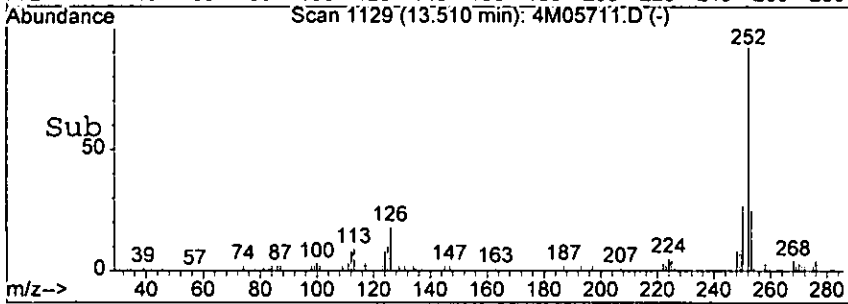
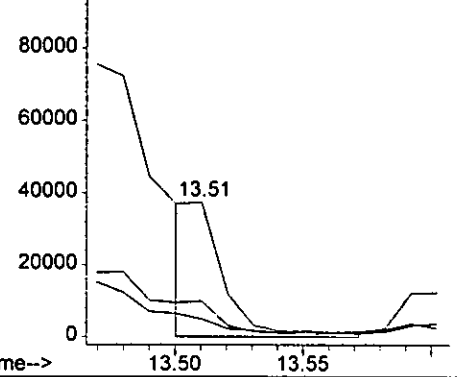
#84
 Benzo[k]fluoranthene
 Concen: 13.85 ng m
 RT: 13.51 min Scan# 1129
 Delta R.T. 0.01 min
 Lab File: 4M05711.D
 Acq: 18 Aug 2005 16:24

Tgt Ion: 252 Resp: 35384

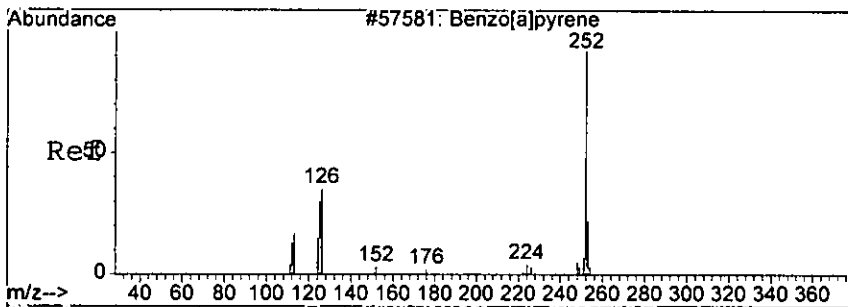
Ion	Ratio	Lower	Upper
252	100		
253	26.5	0.0	63.5
125	13.4	0.0	53.8



Abundance Ion 252.00 (251.70 to 252.70): 4M0571
 Ion 253.00 (252.70 to 253.70): 4M0571
 Ion 125.00 (124.70 to 125.70): 4M0571



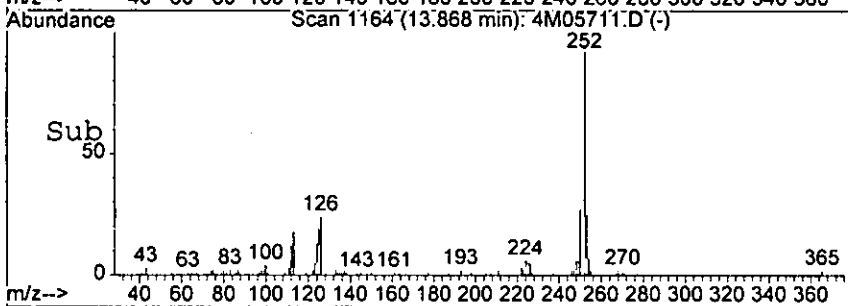
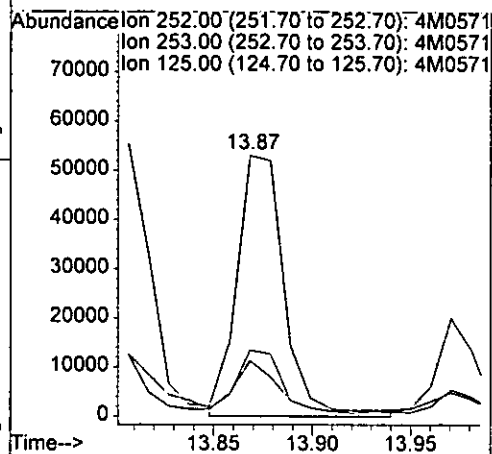
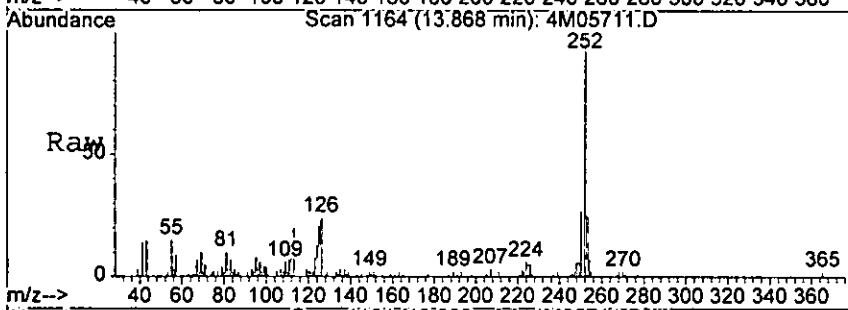
Ustar



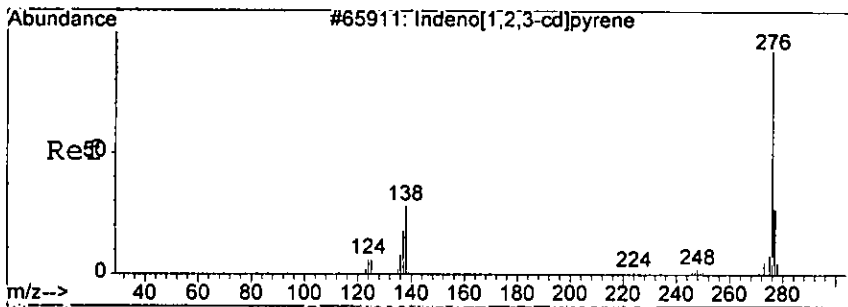
#85
 Benzo[a]pyrene
 Concen: 34.05 ng
 RT: 13.87 min Scan# 1164
 Delta R.T. -0.00 min
 Lab File: 4M05711.D
 Acq: 18 Aug 2005 16:24

0765

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	0.0	62.9
125	18.9	0.0	57.6

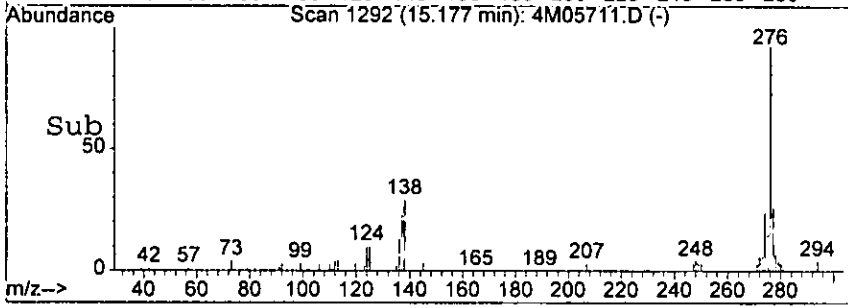
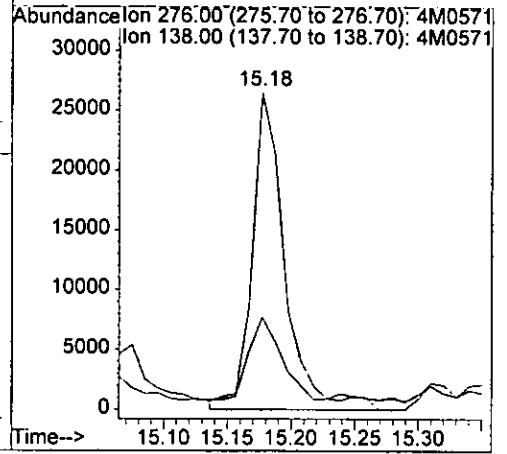
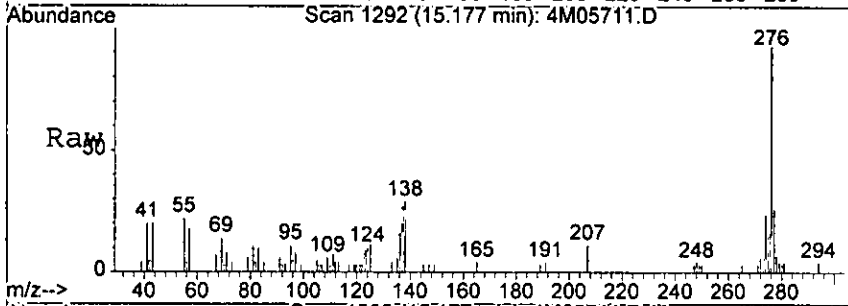


her

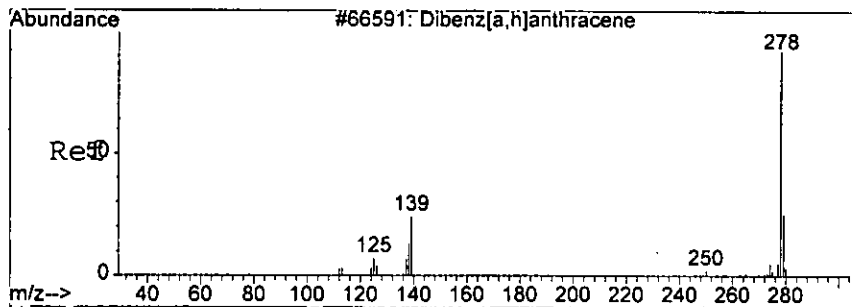


#86
 Indeno[1,2,3-cd]pyrene
 Concen: 15.27 ng
 RT: 15.18 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: 4M05711.D
 Acq: 18 Aug 2005 16:24

Tgt Ion: 276 Resp: 47403
 Ion Ratio Lower Upper
 276 100
 138 25.9 0.0 73.4



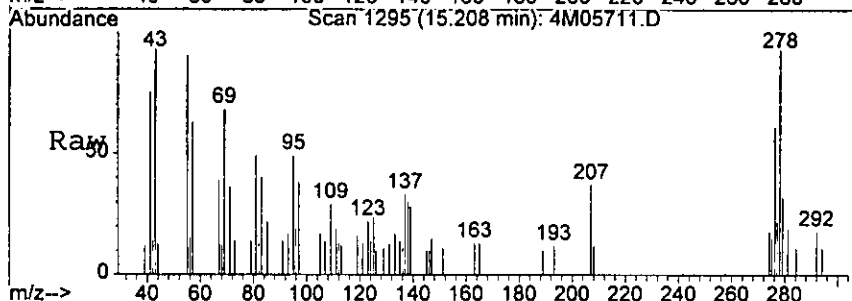
hera



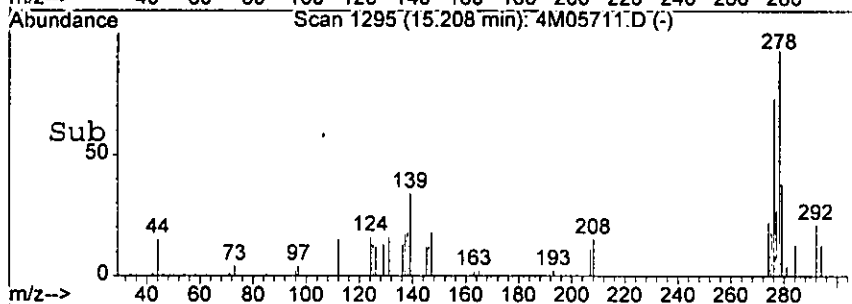
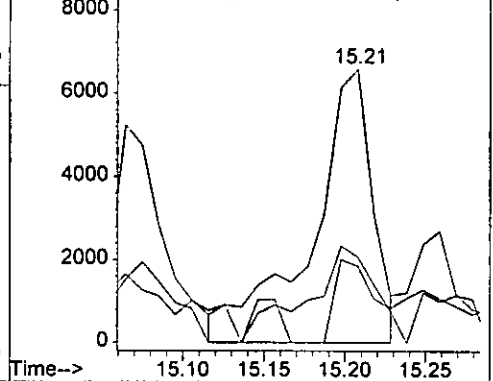
#87
 Dibenzo[a,h]anthracene
 Concen: 7.13 ng
 RT: 15.21 min Scan# 1295
 Delta R.T. 0.01 min
 Lab File: 4M05711.D
 Acq: 18 Aug 2005 16:24

Tgt Ion: 278 Resp: 17304

Ion	Ratio	Lower	Upper
278	100		
139	18.4	0.0	63.8
279	35.2	0.0	64.0

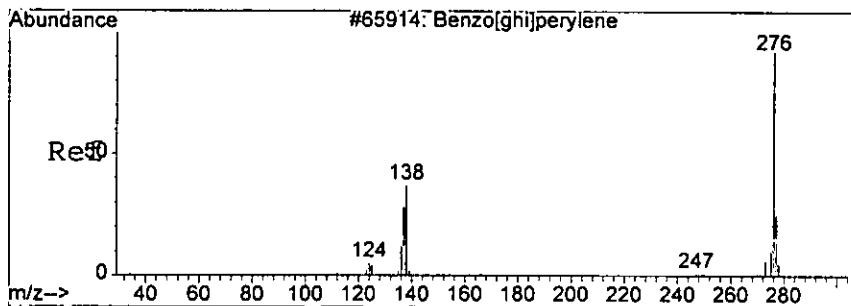


Abundance Ion 278.00 (277.70 to 278.70): 4M05711.D
 Ion 139.00 (138.70 to 139.70): 4M05711.D
 Ion 279.00 (278.70 to 279.70): 4M05711.D



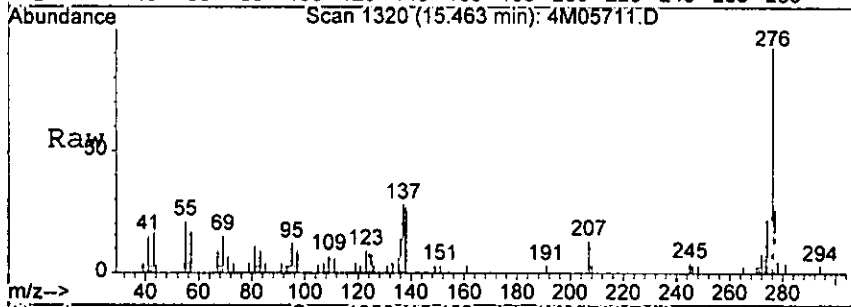
low

0768

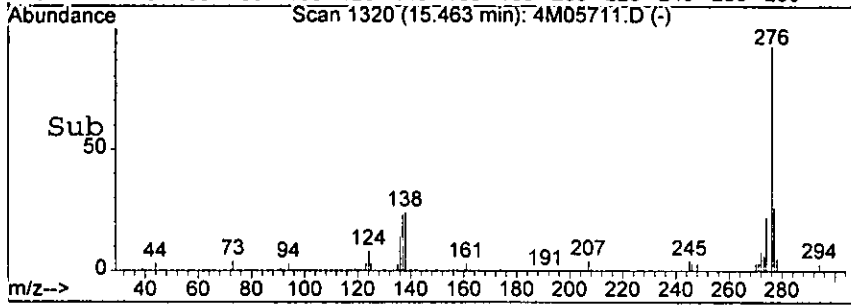
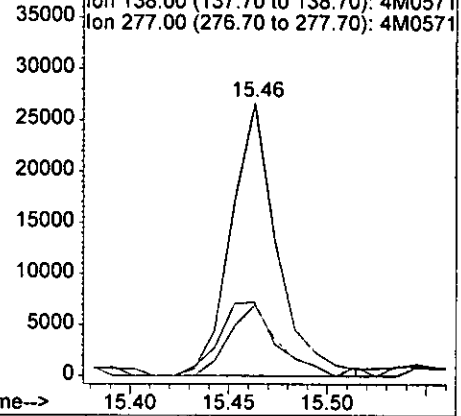


#88
Benzo[g,h,i]perylene
Concen: 16.95 ng
RT: 15.46 min Scan# 1320
Delta R.T. 0.01 min
Lab File: 4M05711.D
Acq: 18 Aug 2005 16:24

Tgt Ion	Resp	Lower	Upper
276	43349	100	
138	27.0	0.0	74.1
277	25.9	0.0	65.0



Abundance
Ion 276.00 (275.70 to 276.70): 4M0571
Ion 138.00 (137.70 to 138.70): 4M0571
Ion 277.00 (276.70 to 277.70): 4M0571



Low

Form1

ORGANICS SEMIVOLATILE REPORT

0769

Sample Number: AC19099-016(MS:AC1) Matrix: Soil
 Client Id: PCSB - 60 (4)MS Initial Vol: 30g
 Data File: 4M05712.D Final Vol: 1ml
 Analysis Date: 08/18/05 16:48 Dilution: 1
 Date Rec/Extracted: 08/16/05-08/17/05 Solids: 85

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.011	3.1	205-99-2	Benzo[b]fluoranthene	0.012	2.0
95-50-1	1,2-Dichlorobenzene	0.018	U	191-24-2	Benzo[g,h,i]perylene	0.0075	0.76
122-66-7	1,2-Diphenylhydrazine	0.011	U	207-08-9	Benzo[k]fluoranthene	0.013	0.60
541-73-1	1,3-Dichlorobenzene	0.016	U	111-91-1	bis(2-Chloroethoxy)methan	0.0089	U
106-46-7	1,4-Dichlorobenzene	0.020	3.1	111-44-4	bis(2-Chloroethyl)ether	0.021	U
95-95-4	2,4,5-Trichlorophenol	0.53	U	108-60-1	bis(2-chloroisopropyl)ether	0.013	U
88-06-2	2,4,6-Trichlorophenol	0.95	U	117-81-7	bis(2-Ethylhexyl)phthalat	0.035	0.26
120-83-2	2,4-Dichlorophenol	0.063	U	85-68-7	Butylbenzylphthalate	0.016	0.044
105-67-9	2,4-Dimethylphenol	0.054	U	86-74-8	Carbazole	0.012	U
51-28-5	2,4-Dinitrophenol	0.27	U	218-01-9	Chrysene	0.0081	1.4
121-14-2	2,4-Dinitrotoluene	0.015	4.1	84-74-2	Di-n-butylphthalate	0.0088	0.065 B
606-20-2	2,6-Dinitrotoluene	0.016	U	117-84-0	Di-n-octylphthalate	0.0093	U
91-58-7	2-Chloronaphthalene	0.011	U	53-70-3	Dibenzo[a,h]anthracene	0.014	0.30
95-57-8	2-Chlorophenol	0.080	6.0	132-64-9	Dibenzofuran	0.050	0.25
91-57-6	2-Methylnaphthalene	0.051	0.51	84-66-2	Diethylphthalate	0.011	0.14
95-48-7	2-Methylphenol	0.19	U	131-11-3	Dimethylphthalate	0.0089	U
88-74-4	2-Nitroaniline	0.028	U	206-44-0	Fluoranthene	0.011	2.5
88-75-5	2-Nitrophenol	0.046	U	86-73-7	Fluorene	0.0099	0.51
106-44-5	3&4-Methylphenol	0.21	U	118-74-1	Hexachlorobenzene	0.018	U
91-94-1	3,3'-Dichlorobenzidine	0.086	U	87-68-3	Hexachlorobutadiene	0.017	U
99-09-2	3-Nitroaniline	0.16	U	77-47-4	Hexachlorocyclopentadiene	0.10	U
534-52-1	4,6-Dinitro-2-methylphenol	0.075	U	67-72-1	Hexachloroethane	0.029	U
101-55-3	4-Bromophenyl-phenylether	0.015	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.0054	0.66
59-50-7	4-Chloro-3-methylphenol	0.10	6.1	78-59-1	Isophorone	0.012	U
106-47-8	4-Chloroaniline	0.30	U	621-64-7	N-Nitroso-di-n-propylami	0.019	3.1
7005-72-3	4-Chlorophenyl-phenylether	0.018	U	62-75-9	N-Nitrosodimethylamine	0.46	U
100-01-6	4-Nitroaniline	0.097	U	86-30-6	n-Nitrosodiphenylamine	0.019	U
100-02-7	4-Nitrophenol	0.070	8.4 E	91-20-3	Naphthalene	0.0092	0.26
83-32-9	Acenaphthene	0.016	3.8	98-95-3	Nitrobenzene	0.016	U
208-96-8	Acenaphthylene	0.0091	0.15	87-86-5	Pentachlorophenol	0.048	7.7
120-12-7	Anthracene	0.010	0.48	85-01-8	Phenanthrene	0.0090	1.2
92-87-5	Benzidine	0.089	U	108-95-2	Phenol	0.060	5.8
56-55-3	Benzo[a]anthracene	0.0068	1.3	129-00-0	Pyrene	0.0091	6.9
50-32-8	Benzo[a]pyrene	0.0090	1.3				

Worksheet #: 18797

Total Target Concentration 72.789

U - Indicates the compound was analyzed but not detected.
 B - Indicates the analyte was found in the blank as well as in the sample.
 E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
 J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

02778

Data File : G:\GcMsData\2005\Gcms_4\Data\08-18-05\4M05712.D Vial: 1
 Acq On : 18 Aug 2005 16:48 Operator: AHD
 Sample : AC19099-016 (MS:AC19099-015) Inst : GCMS_4
 Misc : S,BNA Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:30 2005 Quant Results File: 4M_0818.RES

Quant Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration
 DataAcq Meth : 4M_0818

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	4.79	152	63600	40.00	ng	0.00
19) Naphthalene-d8	5.78	136	211826	40.00	ng	0.00
35) Acenaphthene-d10	7.33	164	109113	40.00	ng	0.00
59) Phenanthrene-d10	8.93	188	207971	40.00	ng	0.01
72) Chrysene-d12	12.11	240	134051	40.00	ng	0.01
81) Perylene-d12	13.95	264	71552	40.00	ng	0.01

System Monitoring Compounds

4) 2-Fluorophenol	3.62	112	263225	149.65	ng	0.00
Spiked Amount	200.000		Recovery	=	74.83%	
7) Phenol-d5	4.51	99	353155	158.95	ng	0.00
Spiked Amount	200.000		Recovery	=	79.47%	
20) Nitrobenzene-d5	5.23	128	82115	83.86	ng	0.00
Spiked Amount	100.000		Recovery	=	83.86%	
40) 2-Fluorobiphenyl	6.69	172	279524	81.10	ng	0.00
Spiked Amount	100.000		Recovery	=	81.10%	
62) 2,4,6-Tribromophenol	8.16	332	151137	179.50	ng	0.01
Spiked Amount	200.000		Recovery	=	89.75%	
75) Terphenyl-d14	10.82	244	342342	108.75	ng	0.00
Spiked Amount	100.000		Recovery	=	108.75%	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Phenol	4.52	94	385142	147.11	ng	59
9) 2-Chlorophenol	4.61	128	295006	152.55	ng	84
11) 1,4-Dichlorobenzene	4.80	146	170781	79.22	ng	99
17) N-Nitroso-di-n-propylamine	5.11	70	138439	79.84	ng	93
28) 1,2,4-Trichlorobenzene	5.74	180	152238	79.26	ng	98
29) Naphthalene	5.79	128	32958	6.57	ng	96
32) 4-Chloro-3-methylphenol	6.25	107	304491	156.69	ng	96
33) 2-Methylnaphthalene	6.36	142	44176	13.00	ng	99
46) Acenaphthylene	7.19	152	18780	3.88	ng	86
49) Acenaphthene	7.36	153	292058	96.56	ng	99
52) Dibenzofuran	7.54	168	26932m	6.25	ng	
53) 2,4-Dinitrotoluene	7.55	165	127857	105.30	ng	95
54) 4-Nitrophenol	7.50	65	186706	213.53	ng	90
55) Fluorene	7.89	166	42114	12.91	ng	97
57) Diethylphthalate	7.79	149	14418	3.68	ng	95
66) Pentachlorophenol	8.72	266	167416	195.48	ng	97
67) Phenanthrene	8.95	178	164949	30.47	ng	99
68) Anthracene	9.01	178	66202	12.16	ng	97
70) Di-n-butylphthalate	9.65	149	12108	1.66	ng	83

(#) = qualifier out of range (m) = manual integration

182a

Data File : G:\GcMsData\2005\Gcms_4\Data\08-18-05\4M05712.D Vial: 174
 Acq On : 18 Aug 2005 16:48 Operator: AHD
 Sample : AC19099-016 (MS:AC19099-015) Inst : GCMS_4
 Misc : S,BNA Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Aug 29 16:30 2005

Quant Results File: 4M_0818.RES

Quant Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration
 DataAcq Meth : 4M_0818

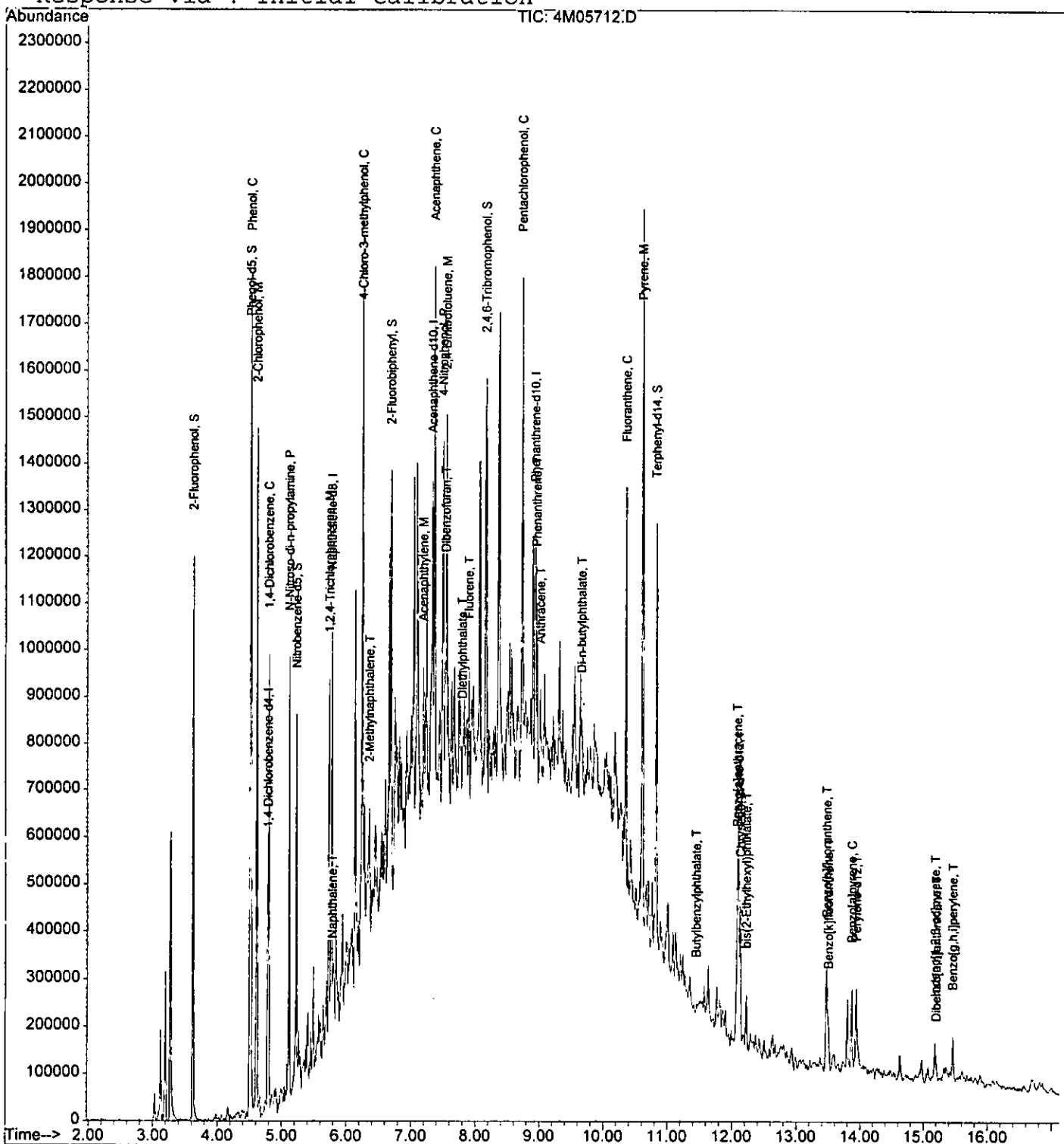
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
71) Fluoranthene	10.35	202	372174	63.40	ng	88
73) Pyrene	10.60	202	802544	174.72	ng	96
76) Butylbenzylphthalate	11.45	149	2768	1.13	ng	79
78) Benzo[a]anthracene	12.09	228	140817	33.53	ng	98
79) Chrysene	12.14	228	139323	34.88	ng	96
80) bis(2-Ethylhexyl)phthalate	12.23	149	22848	6.62	ng	95
83) Benzo[b]fluoranthene	13.48	252	132885m	50.56	ng	
84) Benzo[k]fluoranthene	13.51	252	35961m	15.36	ng	
85) Benzo[a]pyrene	13.88	252	80001	33.74	ng	98
86) Indeno[1,2,3-cd]pyrene	15.18	276	47883	16.83	ng	89
87) Dibenzo[a,h]anthracene	15.21	278	16795	7.56	ng	88
88) Benzo[g,h,i]perylene	15.46	276	45233	19.31	ng	92

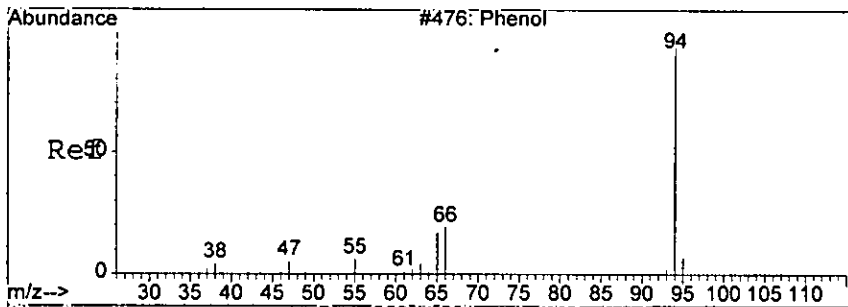
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : G:\GcMsData\2005\Gcms_4\Data\08-18-05\4M05712.D Vial: 072
Acq On : 18 Aug 2005 16:48 Operator: AHD 272
Sample : AC19099-016 (MS:AC19099-015) Inst : GCMS_4
Misc : S,BNA Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 29 16:30 2005 Quant Results File: 4M_0818.RES

Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
Title : @GCMS_4,mg,625,8270
Last Update : Thu Aug 18 14:49:57 2005
Response via : Initial Calibration



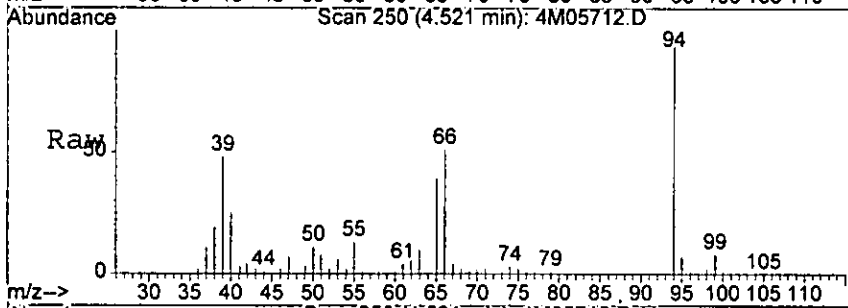


#8
 Phenol
 Concen: 147.11 ng
 RT: 4.52 min Scan# 250
 Delta R.T. 0.00 min
 Lab File: 4M05712.D
 Acq: 18 Aug 2005 16:48

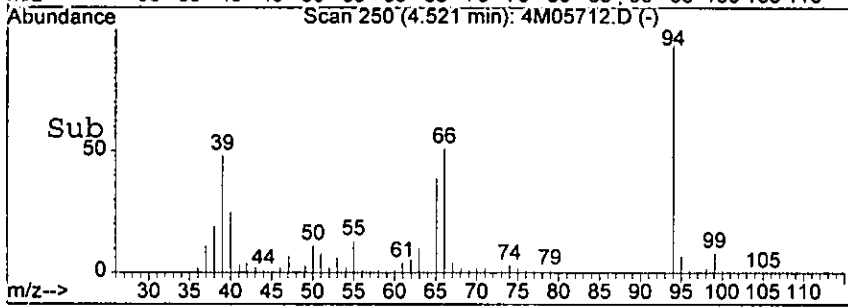
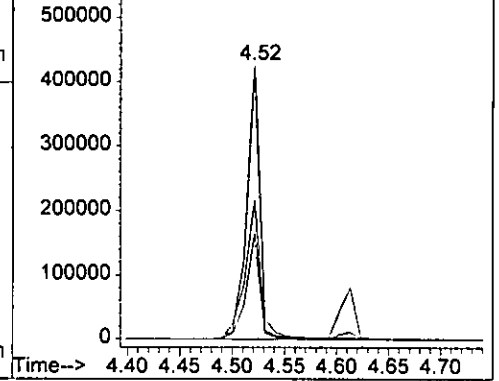
0773

Tgt Ion: 94 Resp: 385142

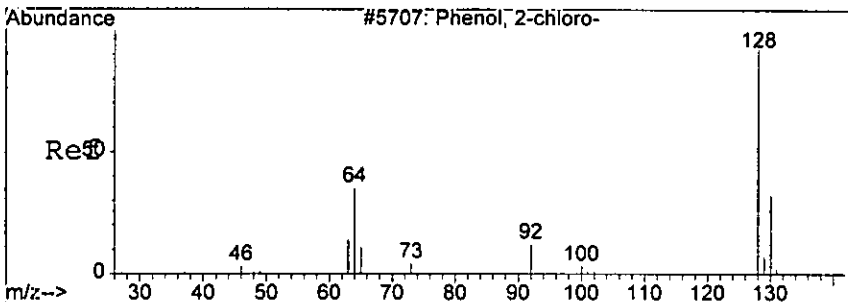
Ion	Ratio	Lower	Upper
94	100		
65	38.7	0.0	140.0
66	51.0	0.0	225.0



Abundance Ion 94.00 (93.70 to 94.70): 4M05712.D
 Ion 65.00 (64.70 to 65.70): 4M05712.D
 Ion 66.00 (65.70 to 66.70): 4M05712.D

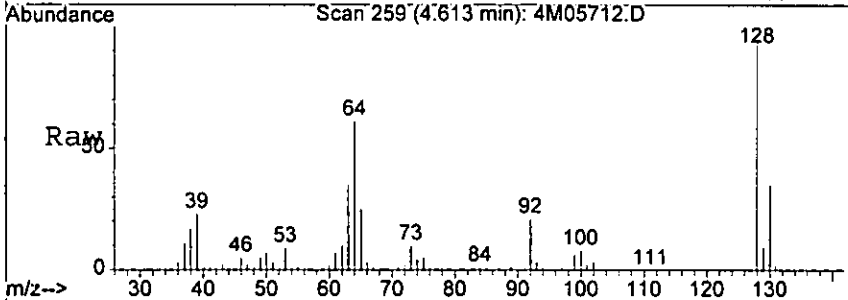


Handwritten signature



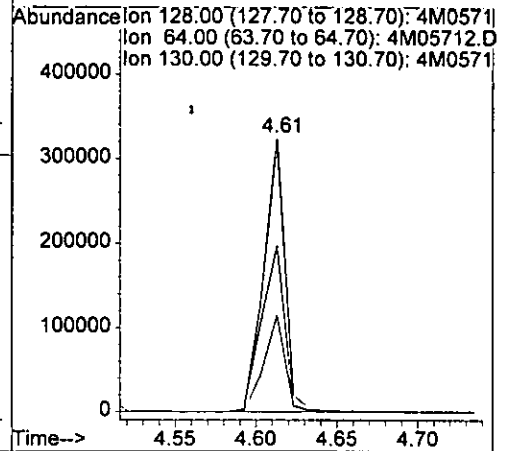
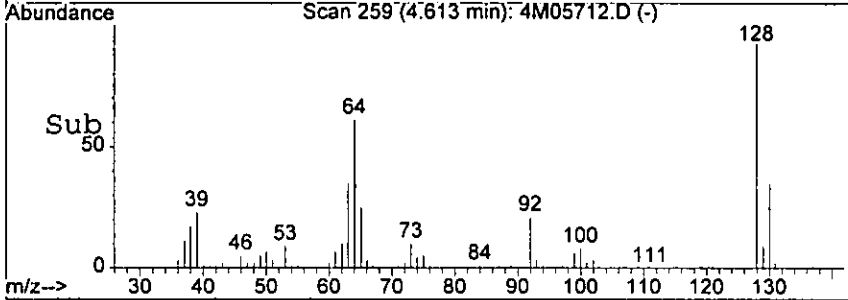
#9
 2-Chlorophenol
 Concen: 152.55 ng
 RT: 4.61 min Scan# 259
 Delta R.T. 0.00 min
 Lab File: 4M05712.D
 Acq: 18 Aug 2005 16:48

877A

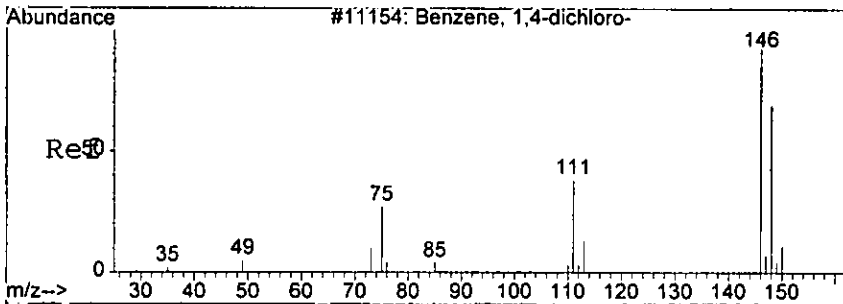


Tgt Ion: 128 Resp: 295006

Ion	Ratio	Lower	Upper
128	100		
64	61.0	0.0	126.4
130	35.5	11.5	59.5

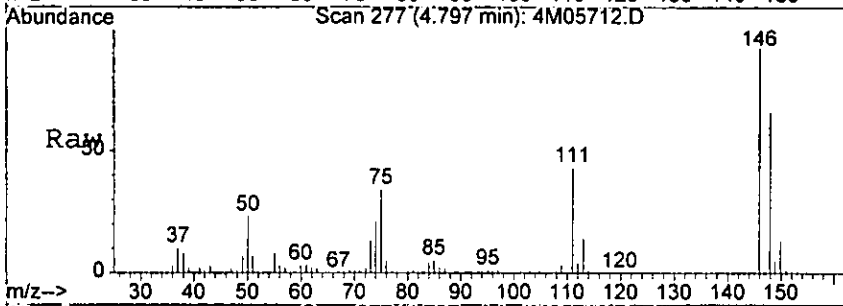


low

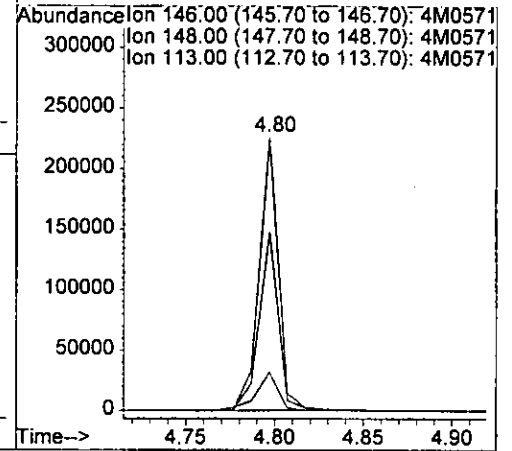
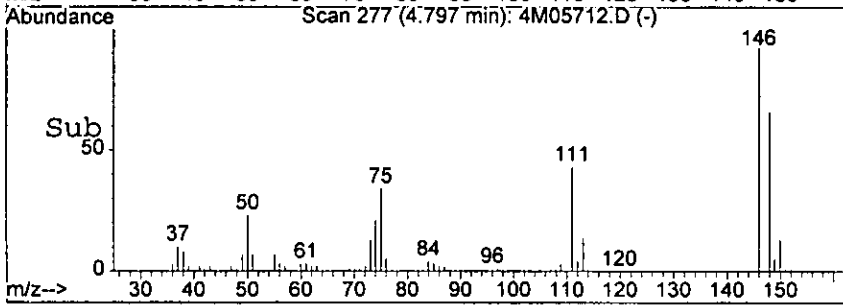


#11
 1,4-Dichlorobenzene
 Concen: 79.22 ng
 RT: 4.80 min Scan# 277
 Delta R.T. 0.00 min
 Lab File: 4M05712.D
 Acq: 18 Aug 2005 16:48

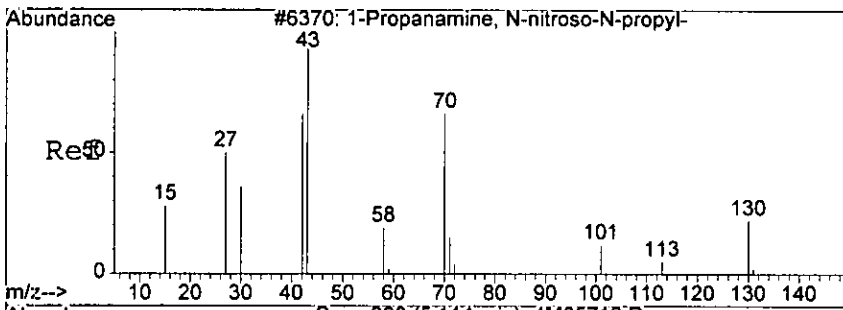
0775



Tgt Ion:146 Resp: 170781
 Ion Ratio Lower Upper
 146 100
 148 65.8 24.8 104.8
 113 14.0 0.0 53.1

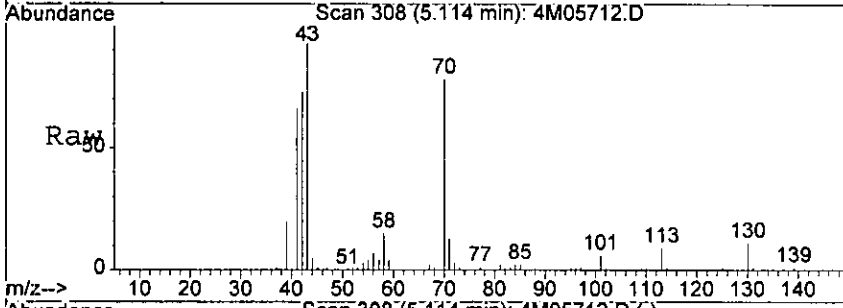


harar

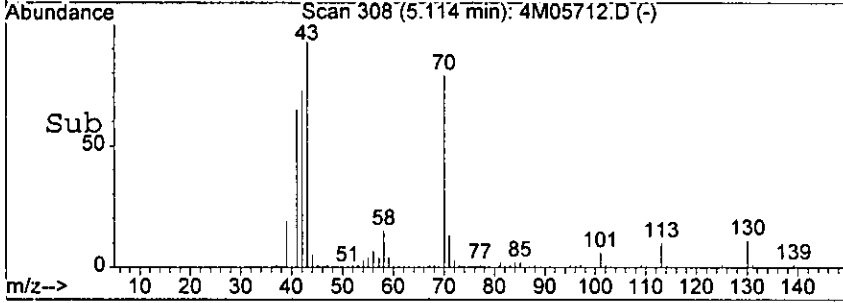
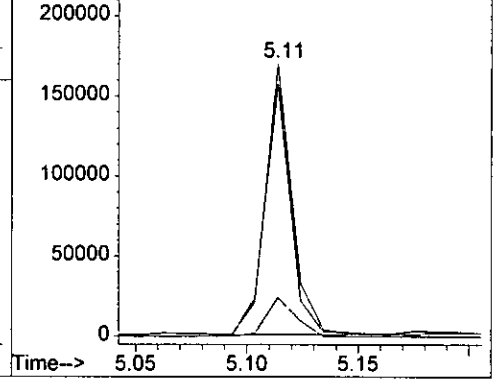


#17
 N-Nitroso-di-n-propylamine
 Concen: 79.84 ng
 RT: 5.11 min Scan# 308
 Delta R.T. 0.00 min
 Lab File: 4M05712.D
 Acq: 18 Aug 2005 16:48

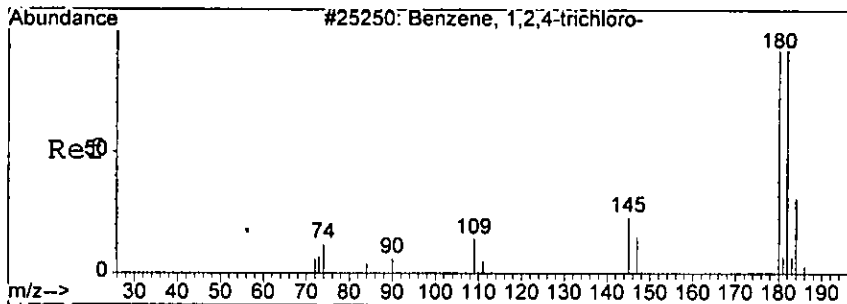
Tgt Ion	Ratio	Lower	Upper
70	100		
42	92.8	60.4	140.4
130	14.3	0.0	38.0



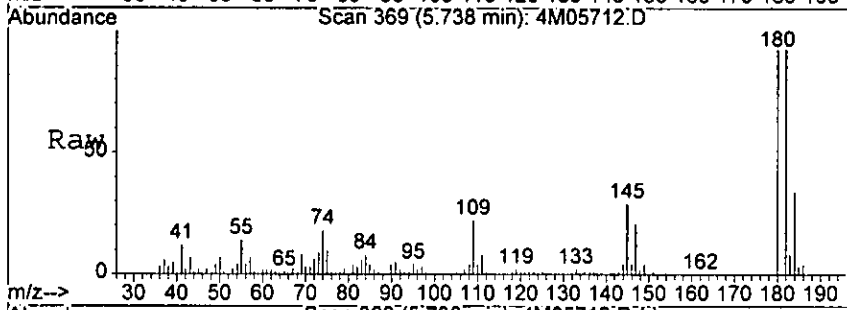
Abundance Ion 70.00 (69.70 to 70.70): 4M05712.D
 Ion 42.00 (41.70 to 42.70): 4M05712.D
 Ion 130.00 (129.70 to 130.70): 4M0571



hair

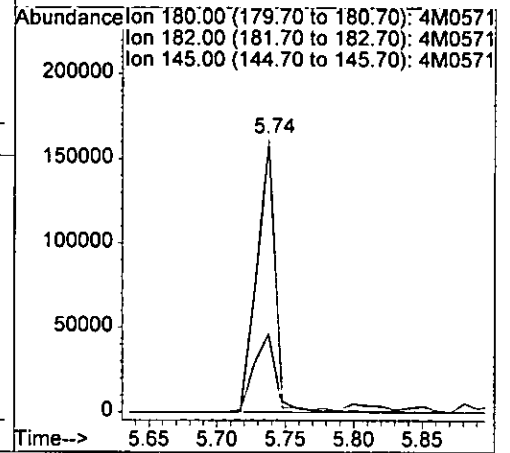
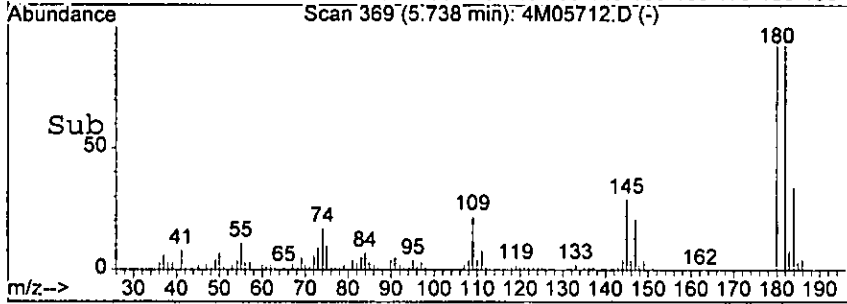


#28
 1,2,4-Trichlorobenzene
 Concen: 79.26 ng
 RT: 5.74 min Scan# 369
 Delta R.T. 0.00 min
 Lab File: 4M05712.D
 Acq: 18 Aug 2005 16:48

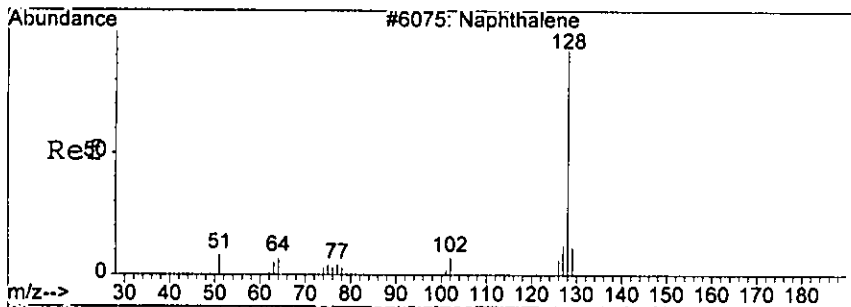


Tgt Ion:180 Resp: 152238

Ion	Ratio	Lower	Upper
180	100		
182	97.4	56.1	136.1
145	28.7	6.2	46.2



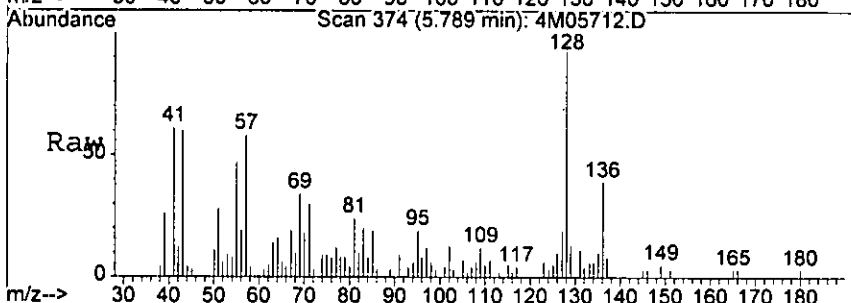
handwritten signature



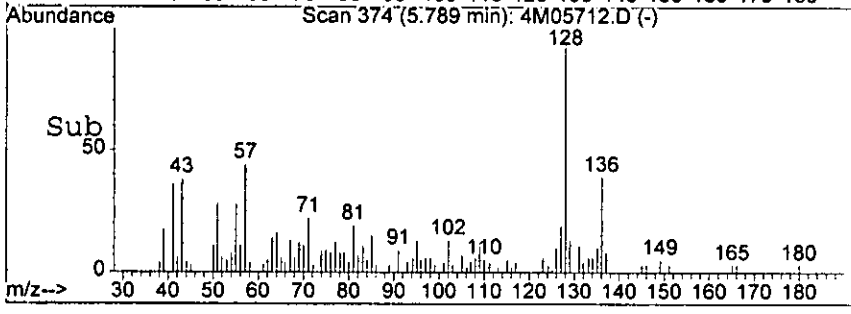
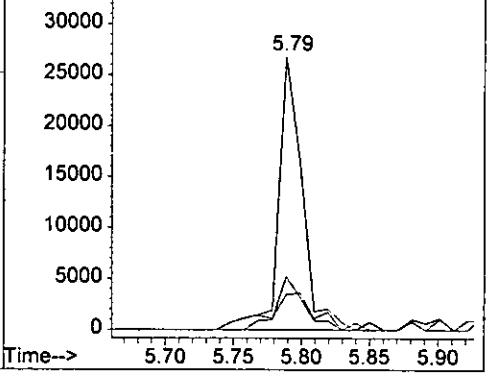
#29
 Naphthalene
 Concen: 6.57 ng
 RT: 5.79 min Scan# 374
 Delta R.T. -0.01 min
 Lab File: 4M05712.D
 Acq: 18 Aug 2005 16:48

0778

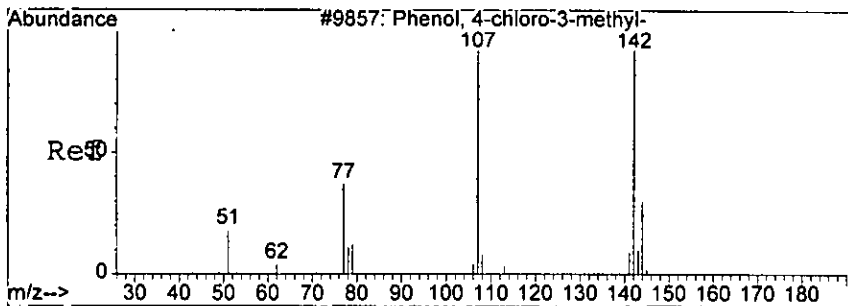
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	32958		
129	12.8		0.0	51.8
127	19.5		0.0	57.0



Abundance Ion 128.00 (127.70 to 128.70): 4M0571
 Ion 129.00 (128.70 to 129.70): 4M0571
 Ion 127.00 (126.70 to 127.70): 4M0571

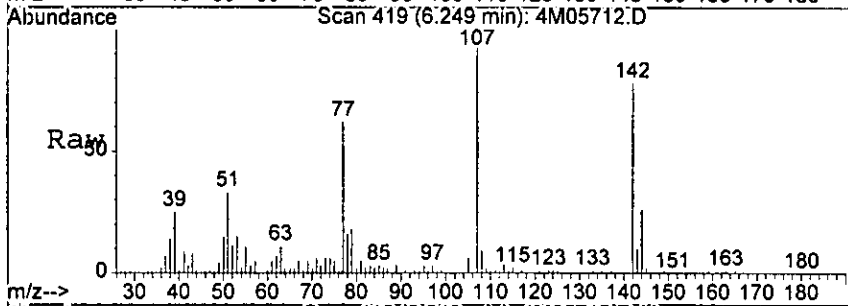


Handwritten signature

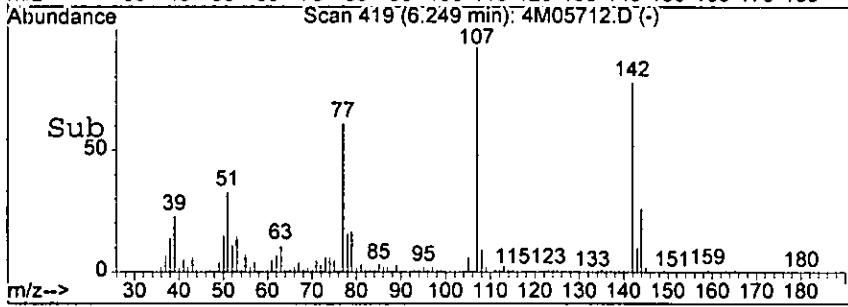
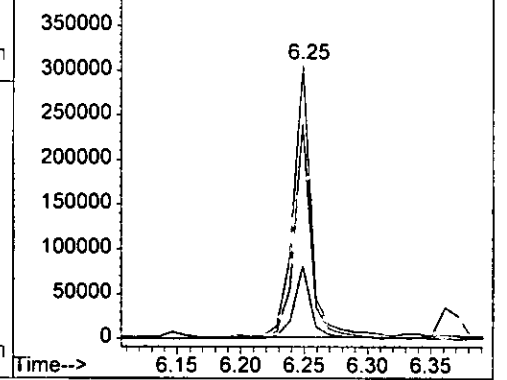


#32
 4-Chloro-3-methylphenol
 Concen: 156.69 ng
 RT: 6.25 min Scan# 419
 Delta R.T. 0.00 min
 Lab File: 4M05712.D
 Acq: 18 Aug 2005 16:48

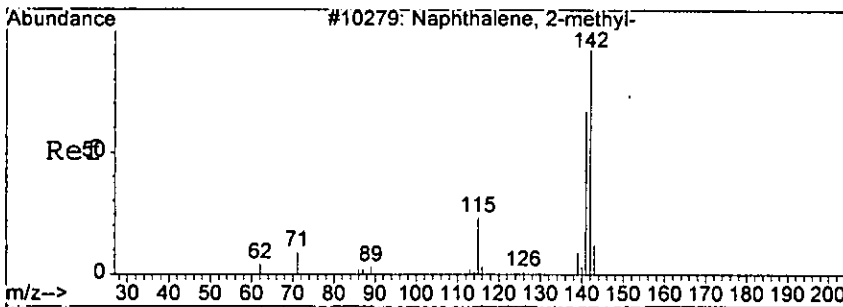
Tgt Ion:	107	Resp:	304491
Ion Ratio	Lower	Upper	
107	100		
144	26.4	0.0	68.2
142	78.7	42.7	122.7



Abundance Ion 107.00 (106.70 to 107.70): 4M0571
 Ion 144.00 (143.70 to 144.70): 4M0571
 Ion 142.00 (141.70 to 142.70): 4M0571



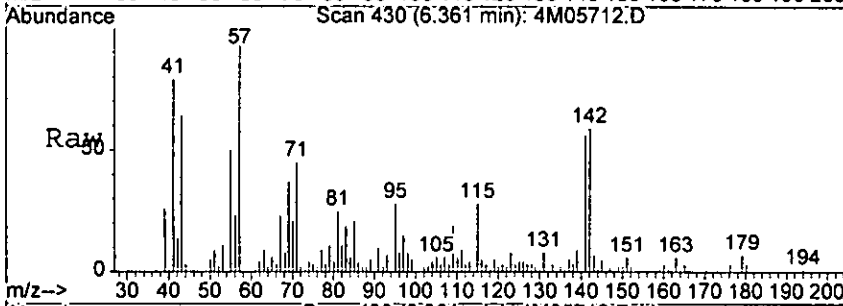
Wor



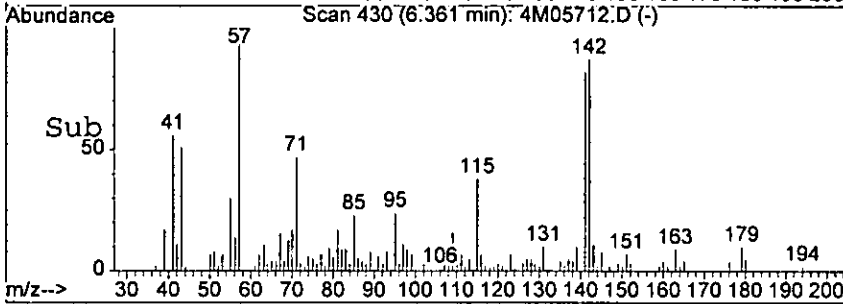
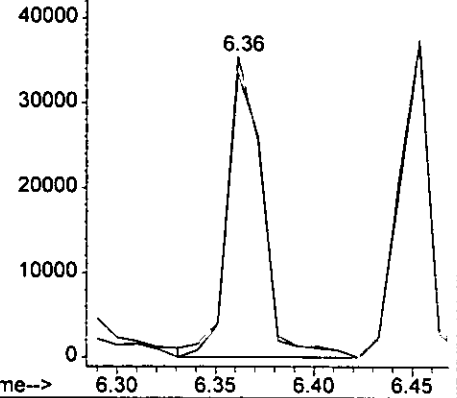
#33
 2-Methylnaphthalene
 Concen: 13.00 ng
 RT: 6.36 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: 4M05712.D
 Acq: 18 Aug 2005 16:48

0780

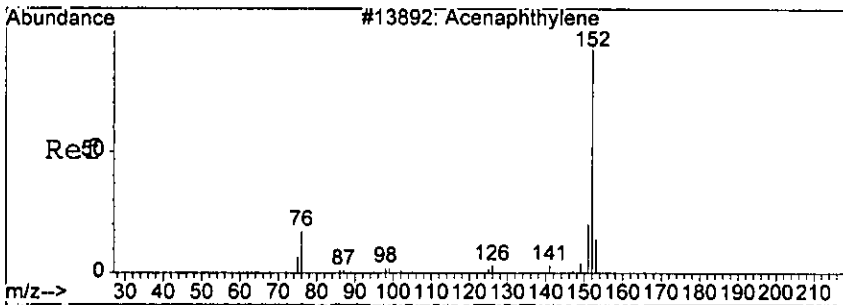
Tgt Ion: 142 Resp: 44176
 Ion Ratio Lower Upper
 142 100
 141 94.5 55.7 135.7



Abundance Ion 142.00 (141.70 to 142.70): 4M0571
 Ion 141.00 (140.70 to 141.70): 4M0571



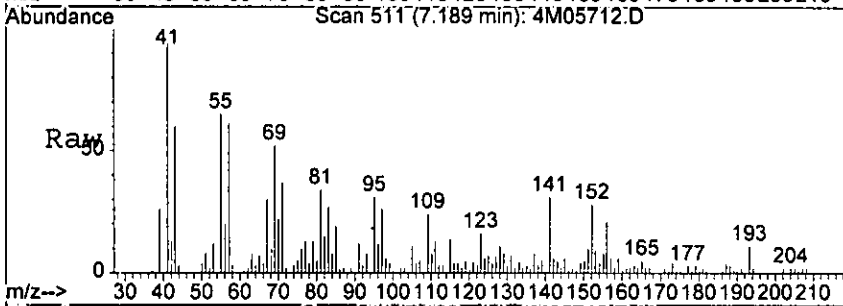
Lower



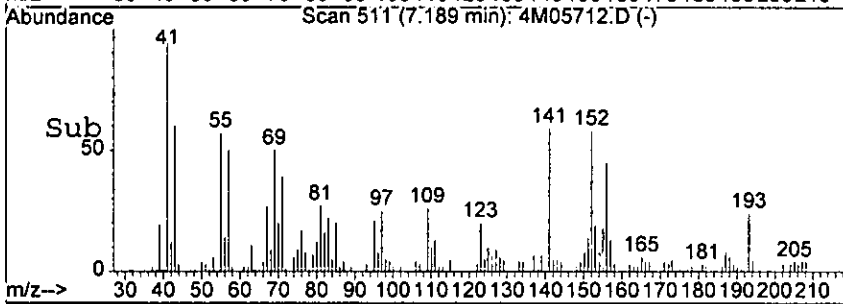
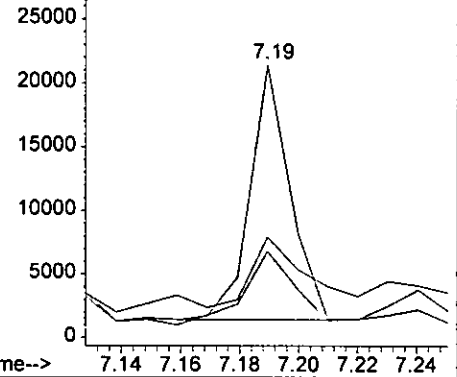
#46
 Acenaphthylene
 Concen: 3.88 ng
 RT: 7.19 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: 4M05712.D
 Acq: 18 Aug 2005 16:48

18780

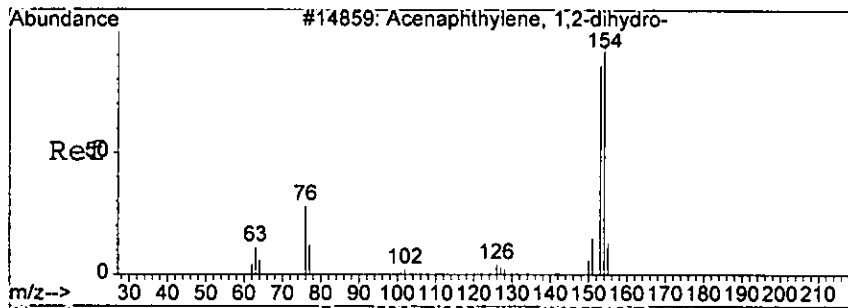
Tgt Ion	Resp	Lower	Upper
152	18780	100	100
151	23.3	0.0	63.6
153	28.8	0.0	53.8



Abundance Ion 152.00 (151.70 to 152.70): 4M0571
 Ion 151.00 (150.70 to 151.70): 4M0571
 Ion 153.00 (152.70 to 153.70): 4M0571



low

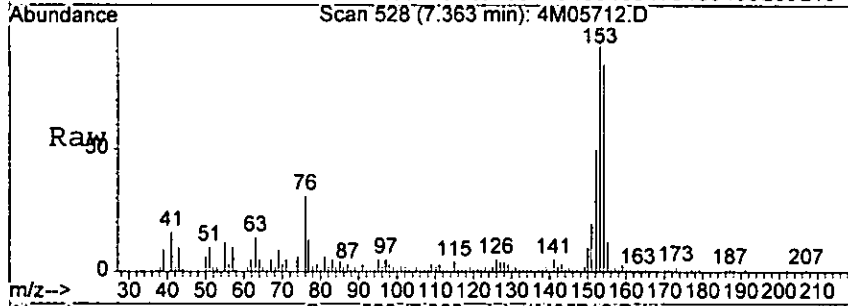


#49
 Acenaphthene
 Concen: 96.56 ng
 RT: 7.36 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: 4M05712.D
 Acq: 18 Aug 2005 16:48

0782

Tgt Ion: 153 Resp: 292058

Ion	Ratio	Lower	Upper
153	100		
152	49.6	8.3	88.3
154	84.6	45.1	125.1

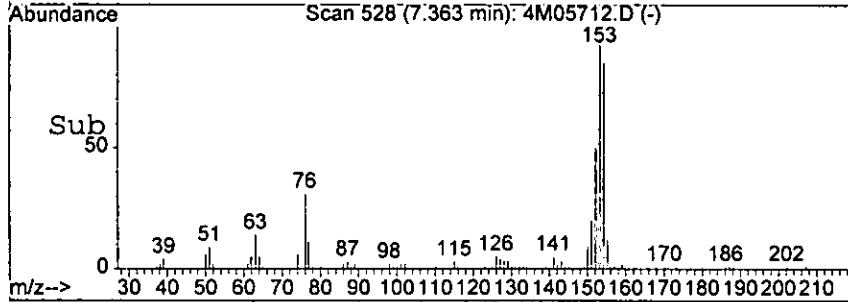
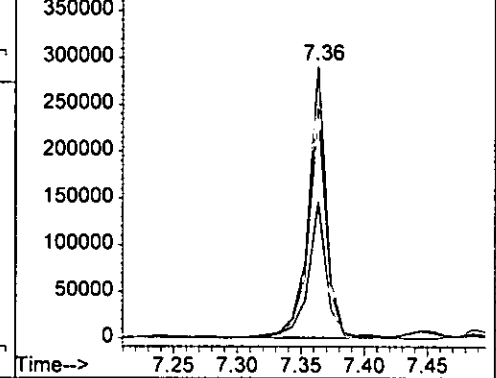


Abundance

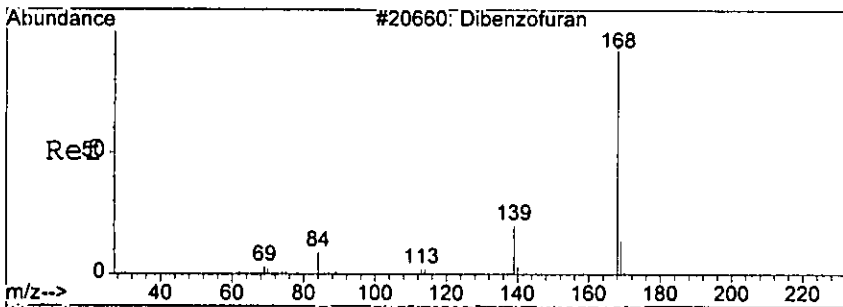
Ion 153.00 (152.70 to 153.70): 4M0571

Ion 152.00 (151.70 to 152.70): 4M0571

Ion 154.00 (153.70 to 154.70): 4M0571

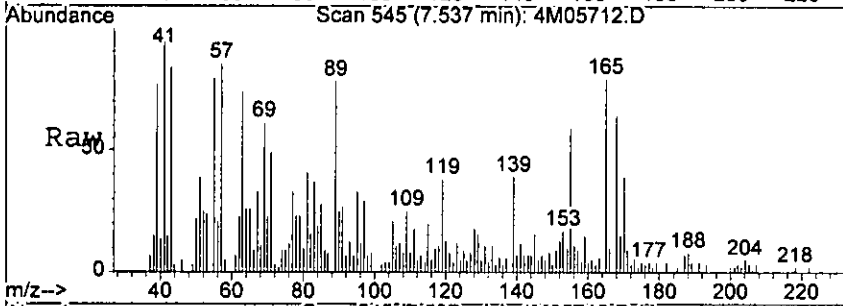


hgar

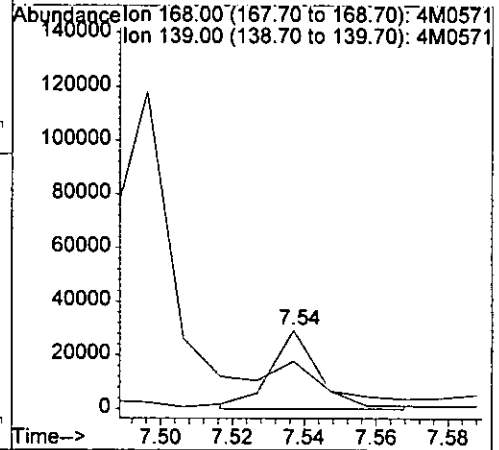
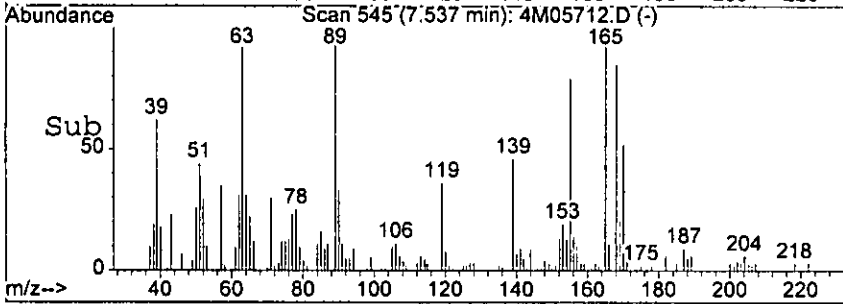


#52
 Dibenzofuran
 Concen: 6.25 ng m
 RT: 7.54 min Scan# 545
 Delta R.T. 0.00 min
 Lab File: 4M05712.D
 Acq: 18 Aug 2005 16:48

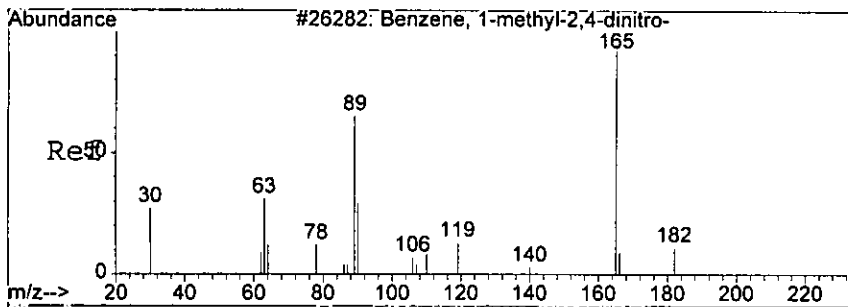
0783



Tgt Ion:168 Resp: 26932
 Ion Ratio Lower Upper
 168 100
 139 60.3 6.0 66.0



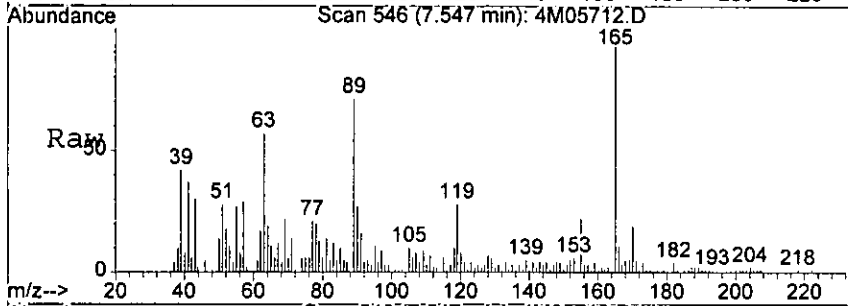
Handwritten: Lear



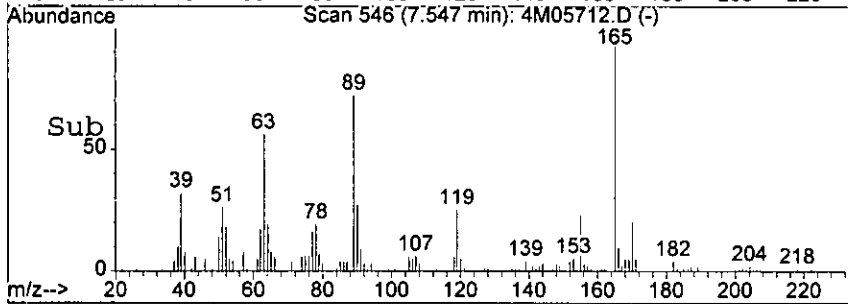
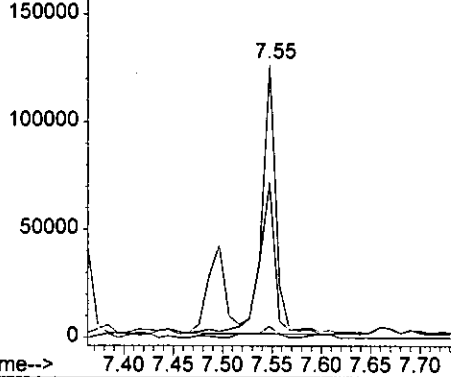
#53
 2,4-Dinitrotoluene
 Concen: 105.30 ng
 RT: 7.55 min Scan# 546
 Delta R.T. 0.01 min
 Lab File: 4M05712.D
 Acq: 18 Aug 2005 16:48

07817810

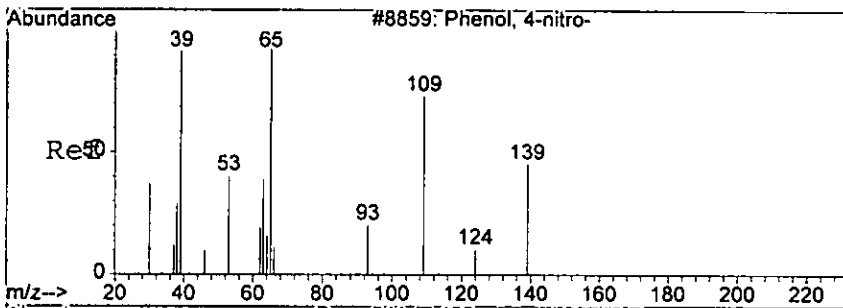
Tgt Ion:	165	Resp:	127857
Ion Ratio	100	Lower	Upper
63	56.4	0.0	167.0
182	4.3	0.0	43.8



Abundance Ion 165.00 (164.70 to 165.70): 4M0571
 Ion 63.00 (62.70 to 63.70): 4M05712.D
 Ion 182.00 (181.70 to 182.70): 4M0571



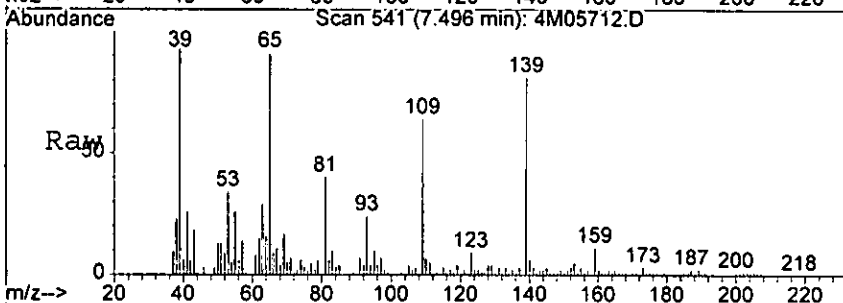
Handwritten signature: Kar



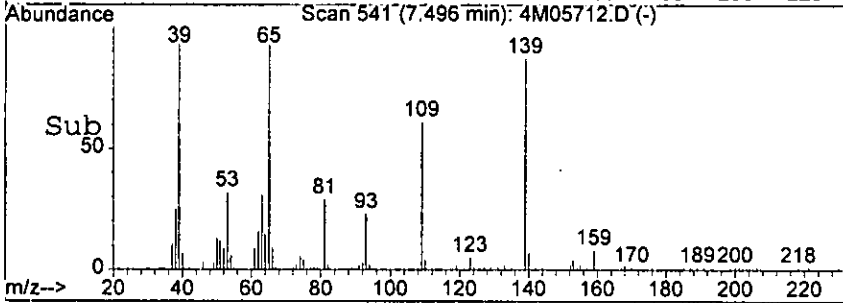
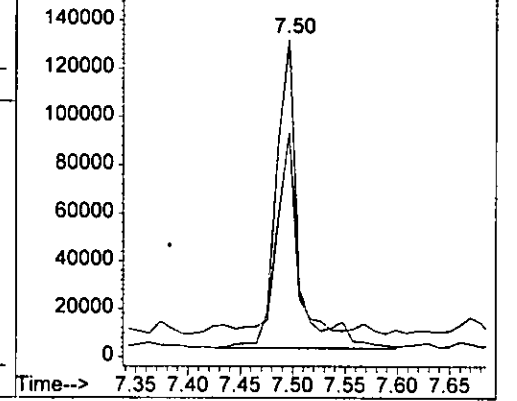
#54
 4-Nitrophenol
 Concen: 213.53 ng
 RT: 7.50 min Scan# 541
 Delta R.T. 0.00 min
 Lab File: 4M05712.D
 Acq: 18 Aug 2005 16:48

0785

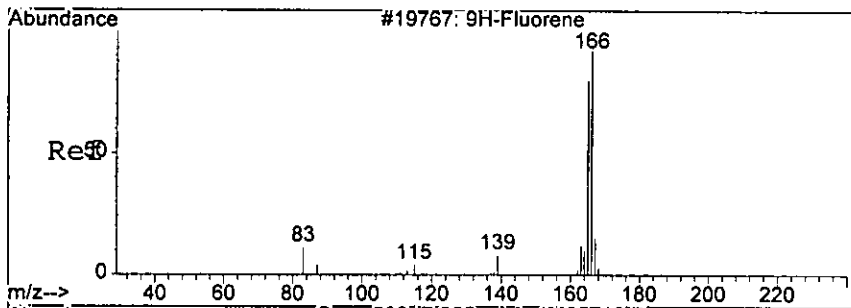
Tgt Ion: 65 Resp: 186706
 Ion Ratio Lower Upper
 65 100
 109 64.1 0.0 116.7



Abundance Ion 65.00 (64.70 to 65.70): 4M05712.D
 Ion 109.00 (108.70 to 109.70): 4M05712.D

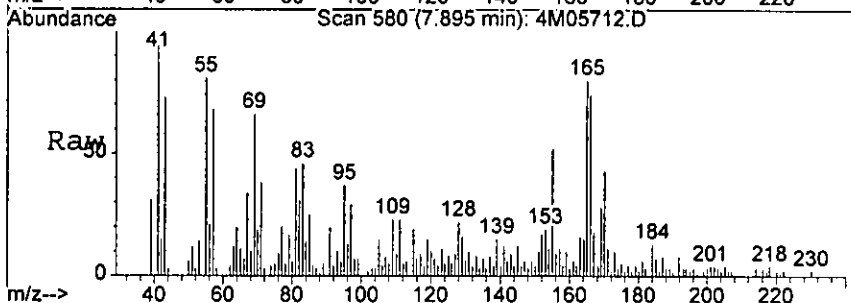


low

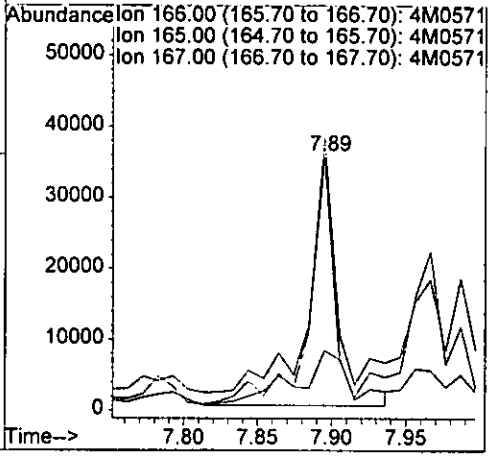
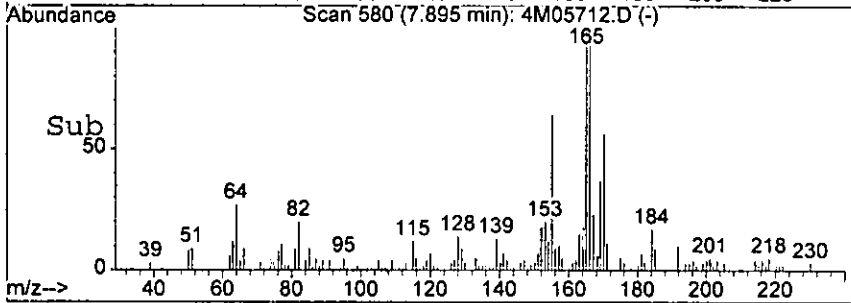


#55
 Fluorene
 Concen: 12.91 ng
 RT: 7.89 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: 4M05712.D
 Acq: 18 Aug 2005 16:48

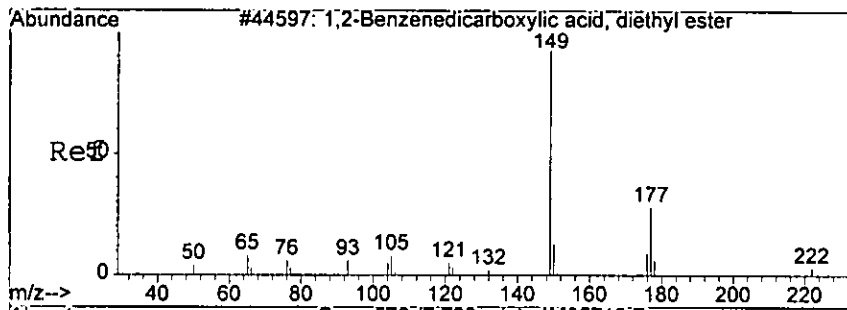
0785



Tgt Ion:	166	Resp:	42114
Ion Ratio	100	Lower	Upper
166	100		
165	102.4	63.3	143.3
167	21.5	0.0	54.6



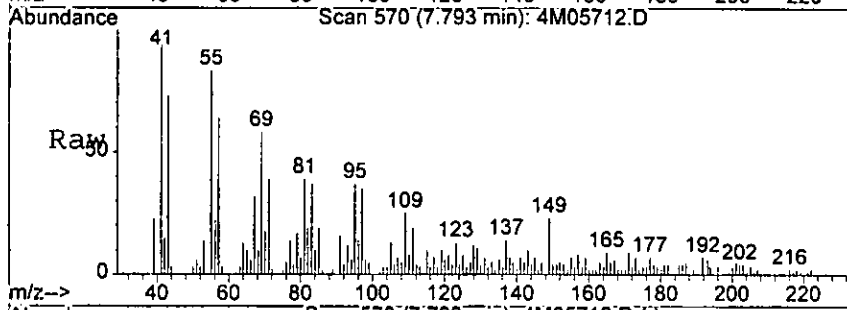
Handwritten signature



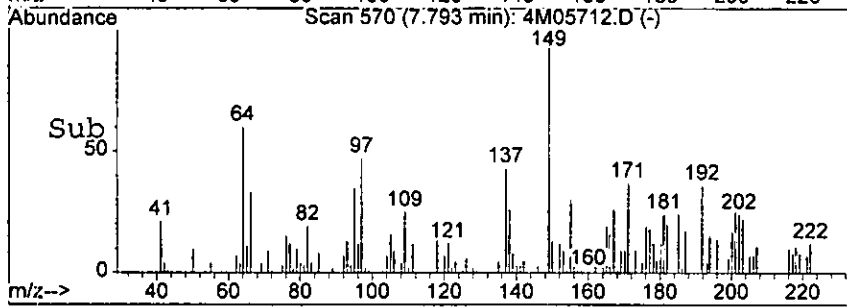
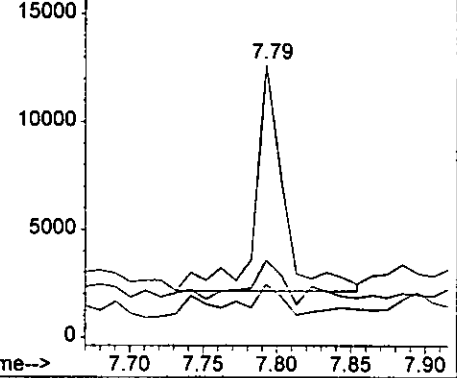
#57
 Diethylphthalate
 Concen: 3.68 ng
 RT: 7.79 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: 4M05712.D
 Acq: 18 Aug 2005 16:48

0787

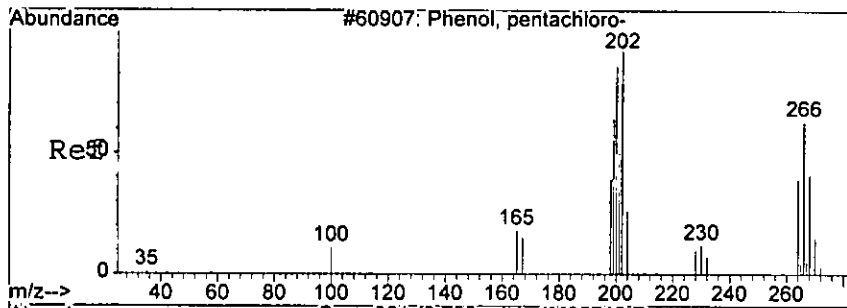
Tgt Ion	Ratio	Lower	Upper
149	100		
177	16.7	0.0	59.8
150	12.9	0.0	52.2



Abundance
 Ion 149.00 (148.70 to 149.70): 4M0571
 Ion 177.00 (176.70 to 177.70): 4M0571
 Ion 150.00 (149.70 to 150.70): 4M0571



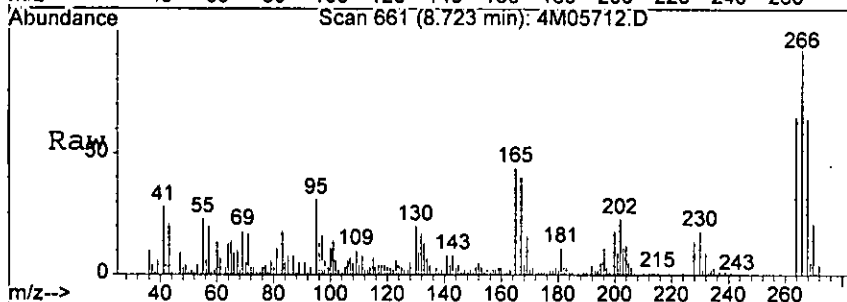
hcr



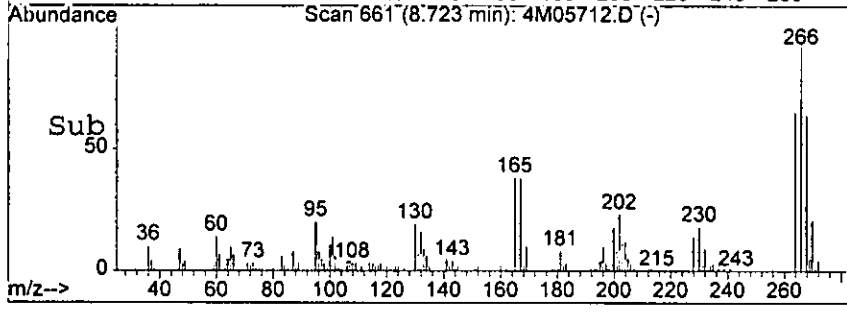
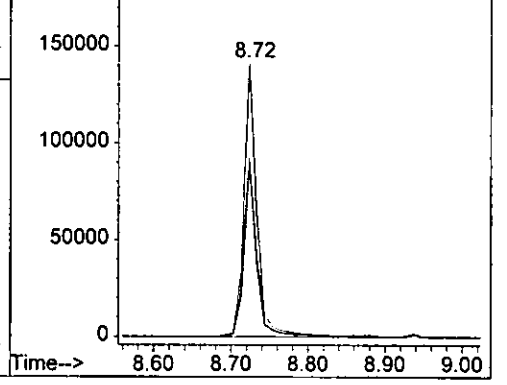
#66
 Pentachlorophenol
 Concen: 195.48 ng
 RT: 8.72 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: 4M05712.D
 Acq: 18 Aug 2005 16:48

0788

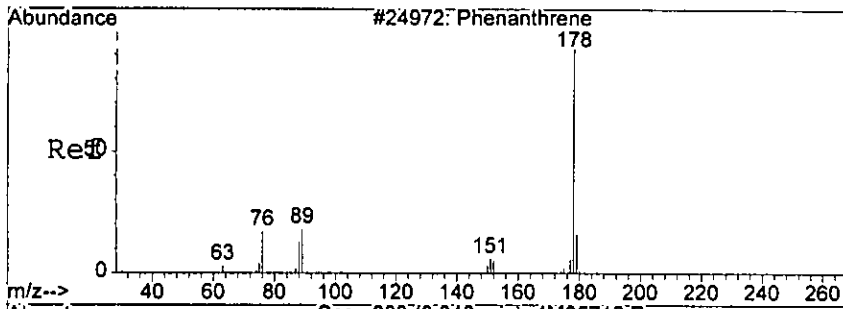
Tgt Ion	Ratio	Lower	Upper
266	100		
264	65.4	25.5	105.5
268	63.9	27.9	107.9



Abundance Ion 266.00 (265.70 to 266.70): 4M0571
 Ion 264.00 (263.70 to 264.70): 4M0571
 Ion 268.00 (267.70 to 268.70): 4M0571

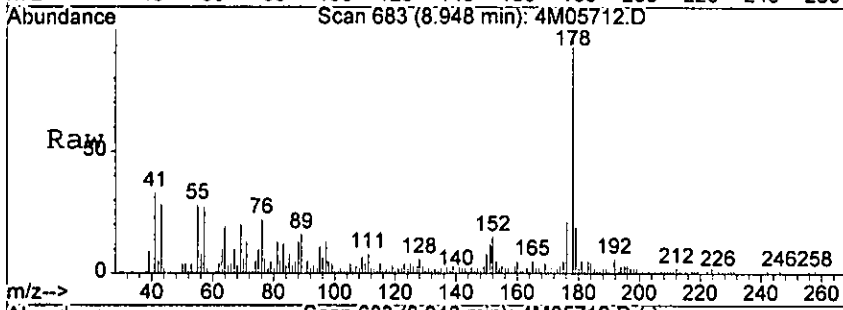


Handwritten signature

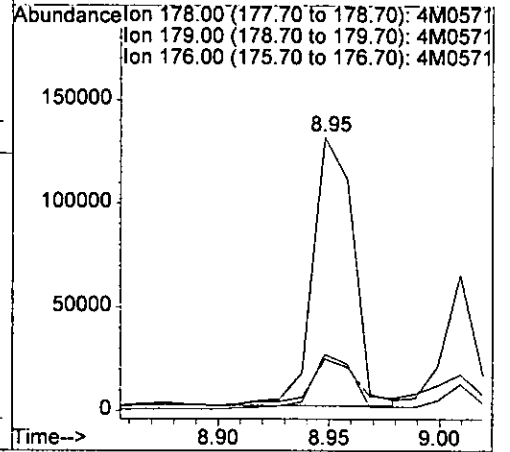
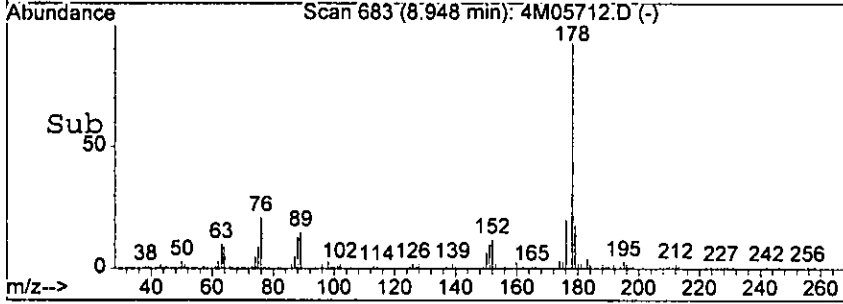


#67
 Phenanthrene
 Concn: 30.47 ng
 RT: 8.95 min Scan# 683
 Delta R.T. 0.00 min
 Lab File: 4M05712.D
 Acq: 18 Aug 2005 16:48

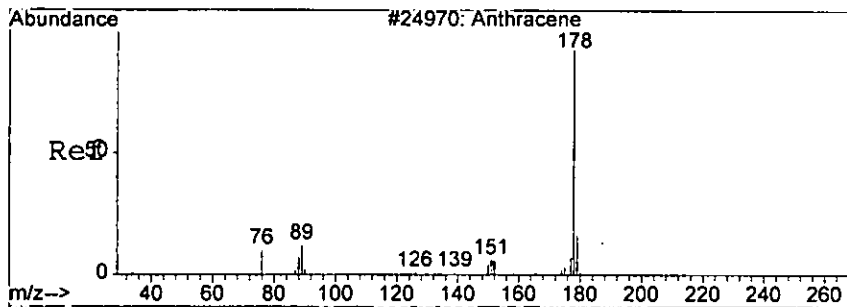
0789



Tgt Ion	Resp	Lower	Upper
178	164949		
179	17.3	0.0	56.6
176	20.3	0.0	60.5



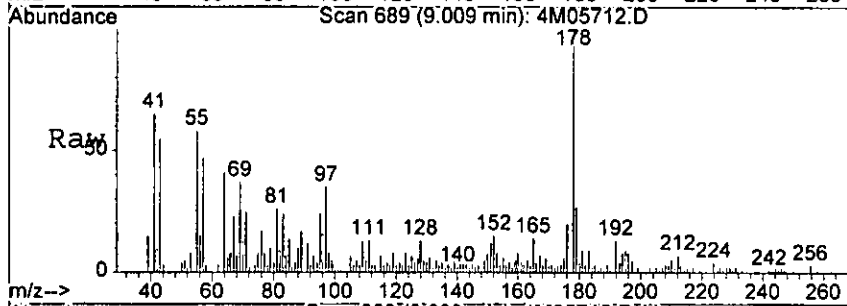
Handwritten signature



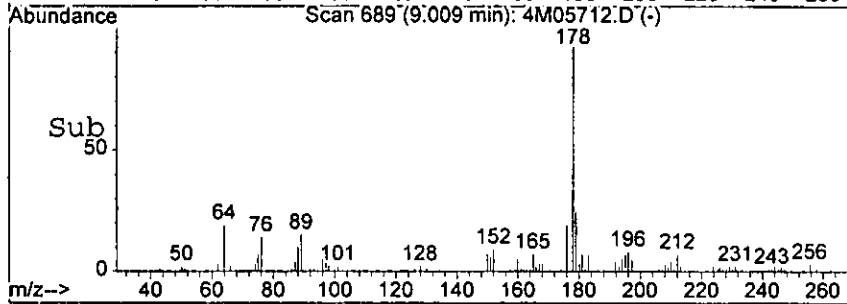
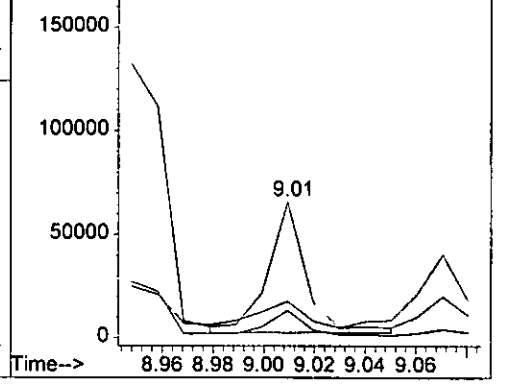
#68
 Anthracene
 Concen: 12.16 ng
 RT: 9.01 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: 4M05712.D
 Acq: 18 Aug 2005 16:48

0798

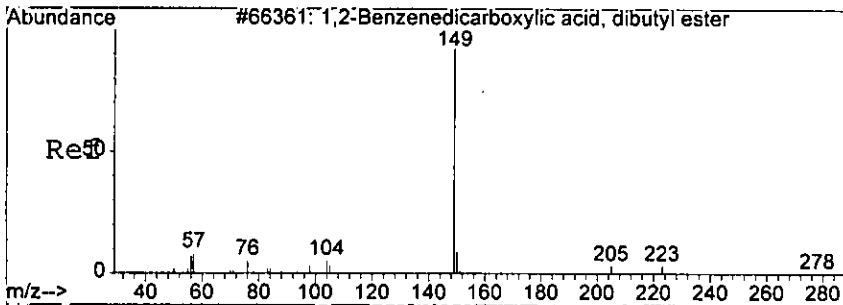
Tgt Ion	Resp	Lower	Upper
178	66202	100	100
179	18.7	0.0	56.6
176	19.7	0.0	60.2



Abundance Ion 178.00 (177.70 to 178.70): 4M0571
 Ion 179.00 (178.70 to 179.70): 4M0571
 Ion 176.00 (175.70 to 176.70): 4M0571



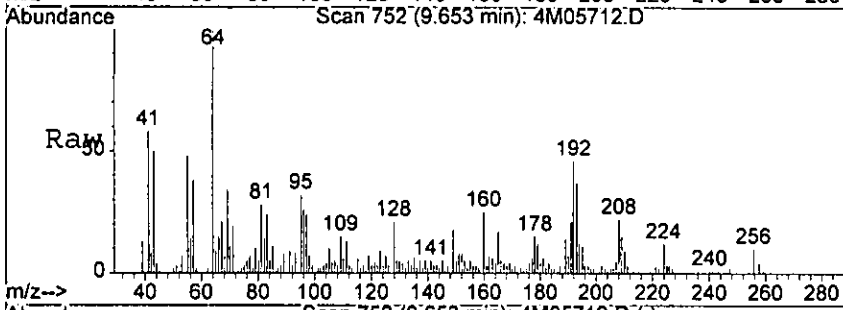
Handwritten signature



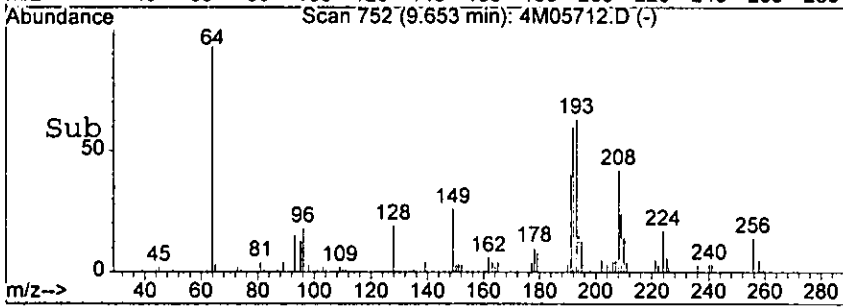
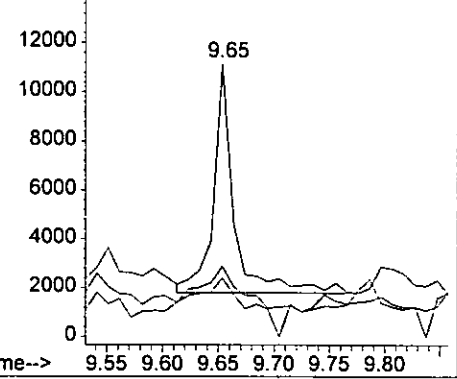
#70
 Di-n-butylphthalate
 Concen: 1.66 ng
 RT: 9.65 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: 4M05712.D
 Acq: 18 Aug 2005 16:48

Tgt Ion: 149 Resp: 12108

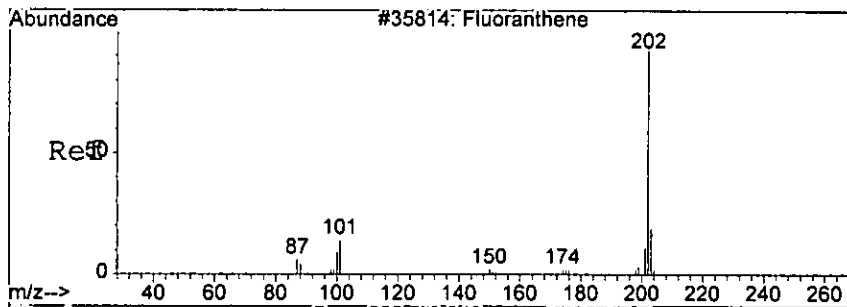
Ion	Ratio	Lower	Upper
149	100		
150	15.7	0.0	49.8
104	10.9	0.0	44.6



Abundance Ion 149.00 (148.70 to 149.70): 4M0571
 Ion 150.00 (149.70 to 150.70): 4M0571
 Ion 104.00 (103.70 to 104.70): 4M0571



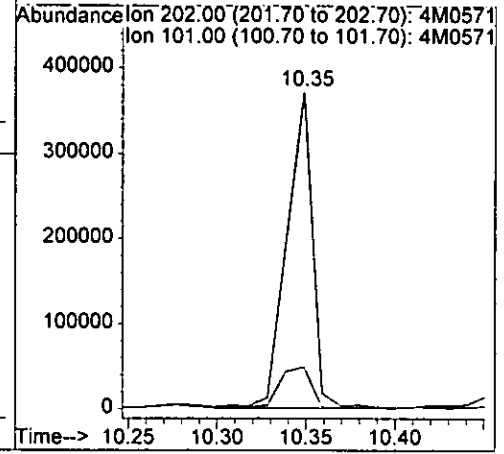
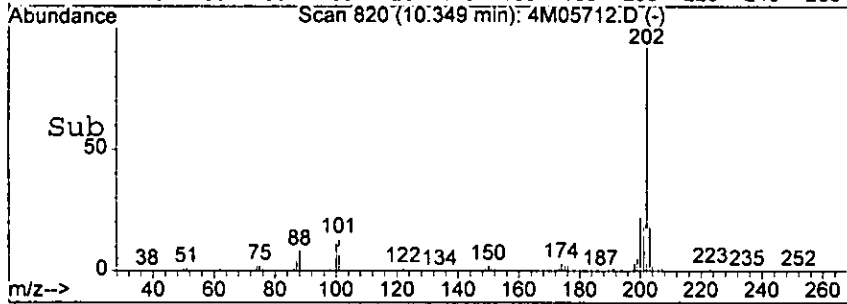
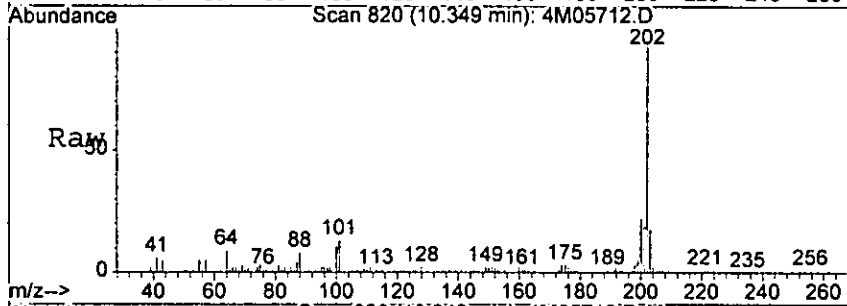
low



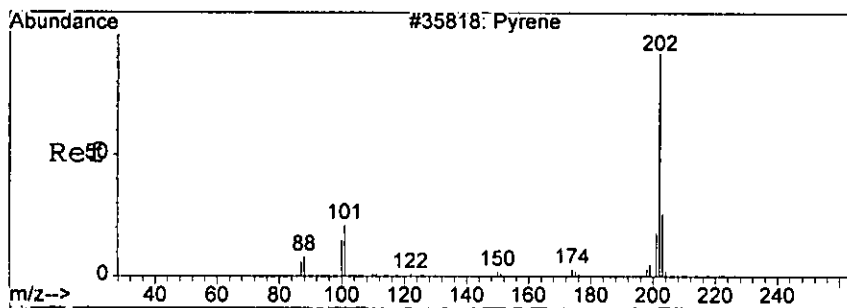
#71
 Fluoranthene
 Concen: 63.40 ng
 RT: 10.35 min Scan# 820
 Delta R.T. 0.02 min
 Lab File: 4M05712.D
 Acq: 18 Aug 2005 16:48

0792

Tgt Ion: 202 Resp: 372174
 Ion Ratio Lower Upper
 202 100
 101 13.0 0.0 58.3



low

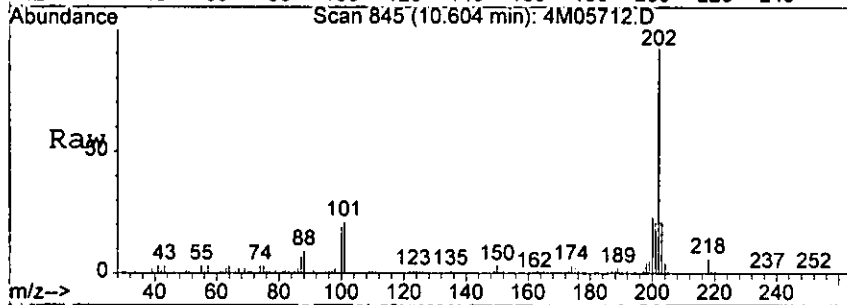


#73
 Pyrene
 Concen: 174.72 ng
 RT: 10.60 min Scan# 845
 Delta R.T. 0.01 min
 Lab File: 4M05712.D
 Acq: 18 Aug 2005 16:48

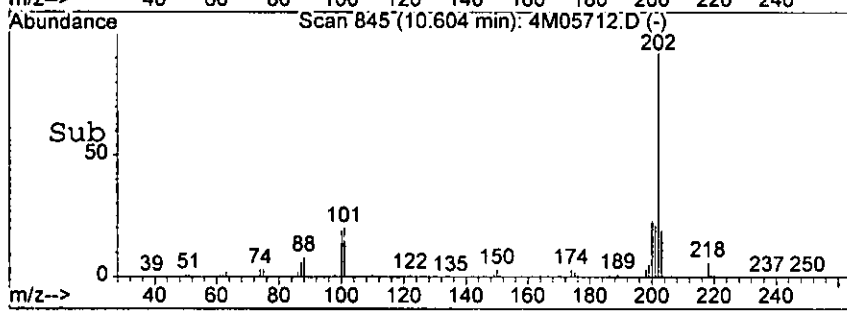
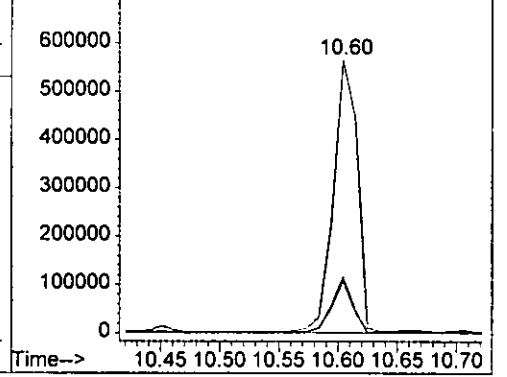
0793

Tgt Ion: 202 Resp: 802544

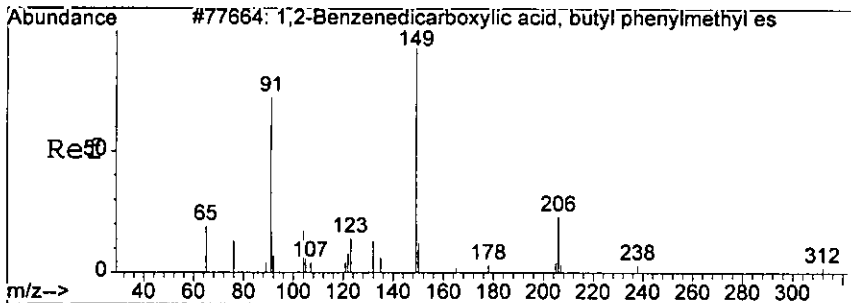
Ion	Ratio	Lower	Upper
202	100		
101	20.4	0.0	62.7
100	19.0	0.0	60.5



Abundance Ion 202.00 (201.70 to 202.70): 4M05712.D
 Ion 101.00 (100.70 to 101.70): 4M05712.D
 Ion 100.00 (99.70 to 100.70): 4M05712.D

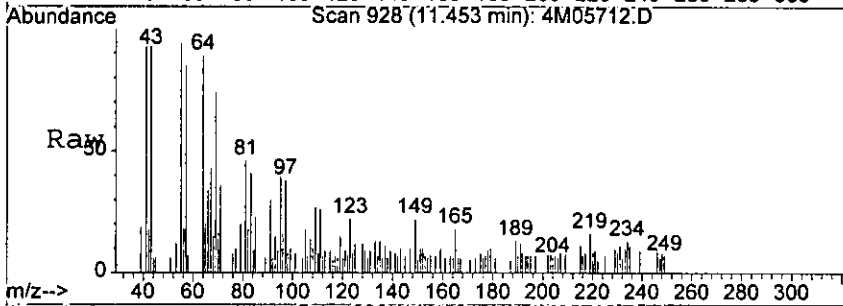


har

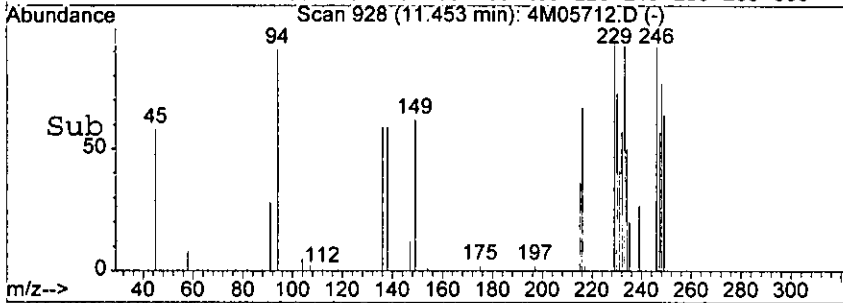
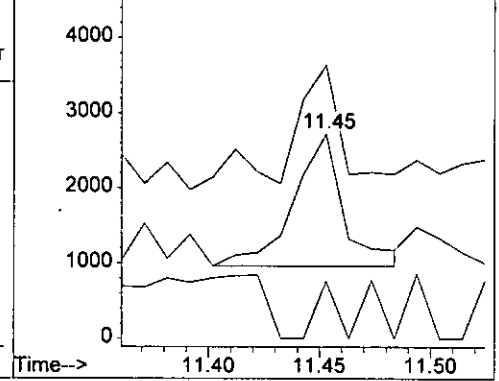


#76
 Butylbenzylphthalate
 Concen: 1.13 ng
 RT: 11.45 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: 4M05712.D
 Acq: 18 Aug 2005 16:48

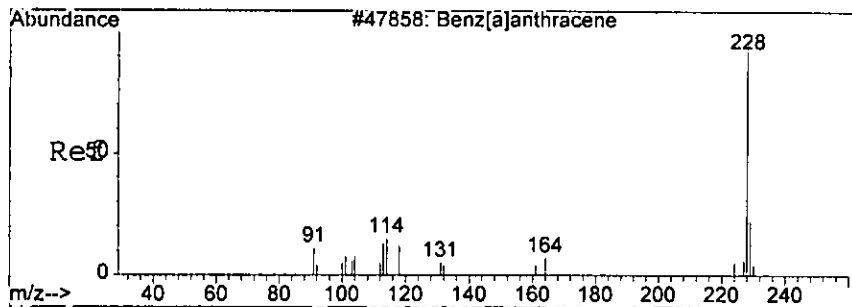
Tgt Ion	Ratio	Lower	Upper
149	100		
91	85.1	35.6	115.6
206	43.3	0.0	54.4



Abundance Ion 149.00 (148.70 to 149.70): 4M05712.D
 Ion 91.00 (90.70 to 91.70): 4M05712.D
 Ion 206.00 (205.70 to 206.70): 4M05712.D



hbar

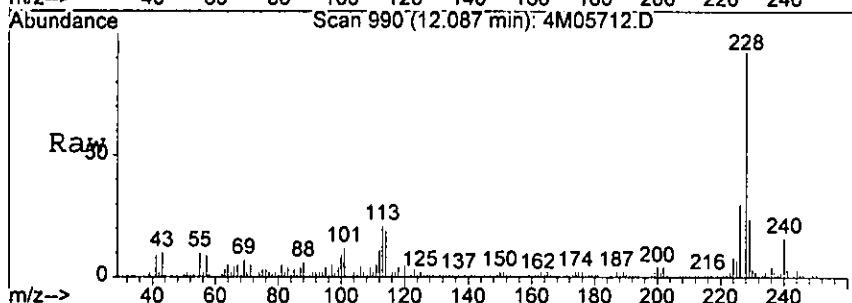


#78
 Benzo[a]anthracene
 Concen: 33.53 ng
 RT: 12.09 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: 4M05712.D
 Acq: 18 Aug 2005 16:48

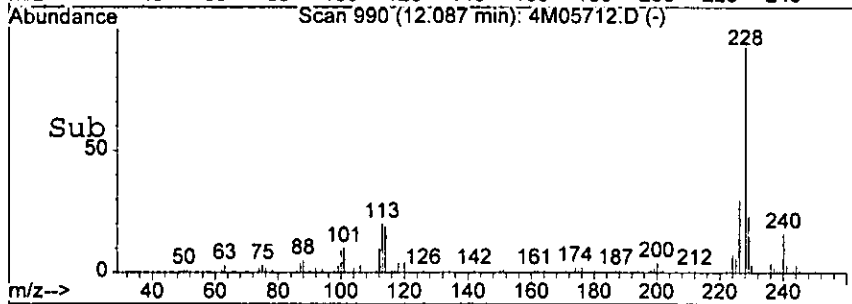
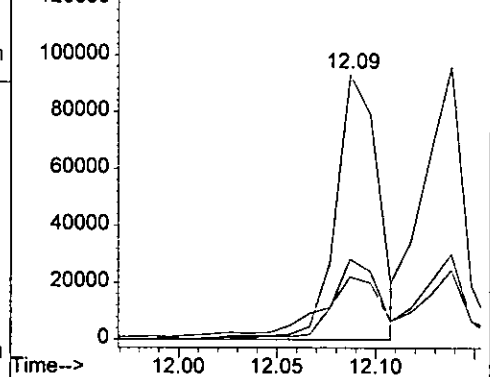
8795
5578

Tgt Ion: 228 Resp: 140817

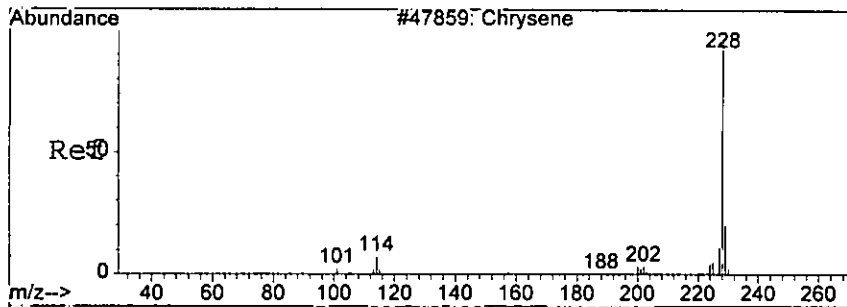
Ion	Ratio	Lower	Upper
228	100		
229	21.8	0.0	60.5
226	29.5	0.0	69.0



Abundance Ion 228.00 (227.70 to 228.70): 4M0571
 Ion 229.00 (228.70 to 229.70): 4M0571
 Ion 226.00 (225.70 to 226.70): 4M0571

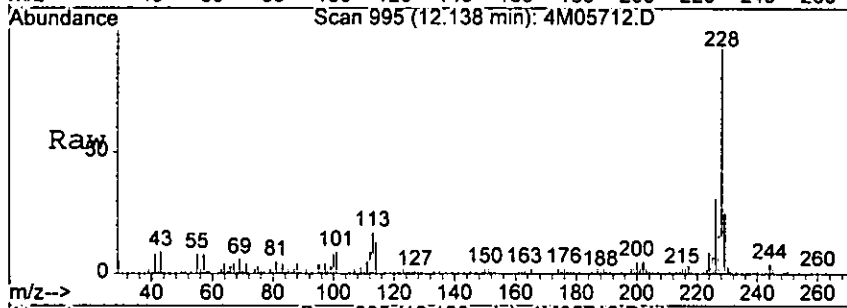


Handwritten signature



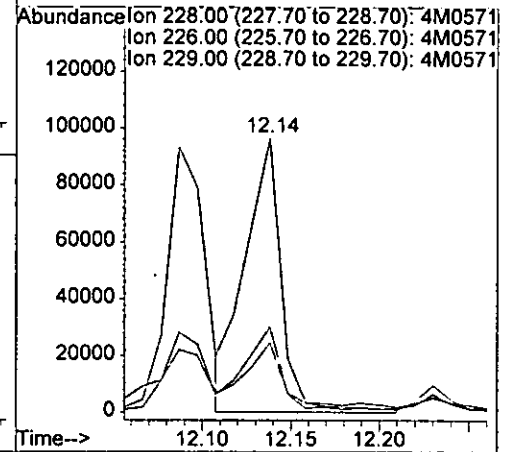
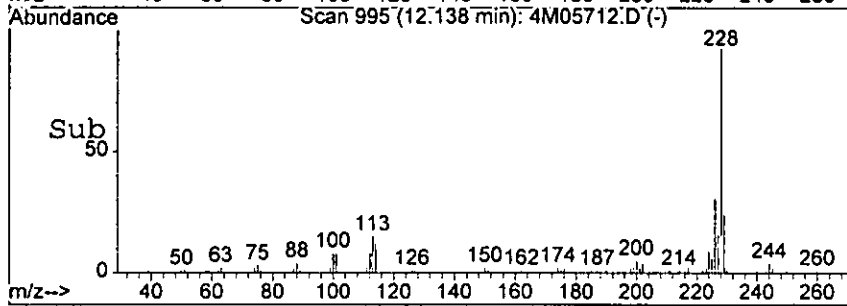
#79
 Chrysene
 Concen: 34.88 ng
 RT: 12.14 min Scan# 995
 Delta R.T. 0.00 min
 Lab File: 4M05712.D
 Acq: 18 Aug 2005 16:48

0795

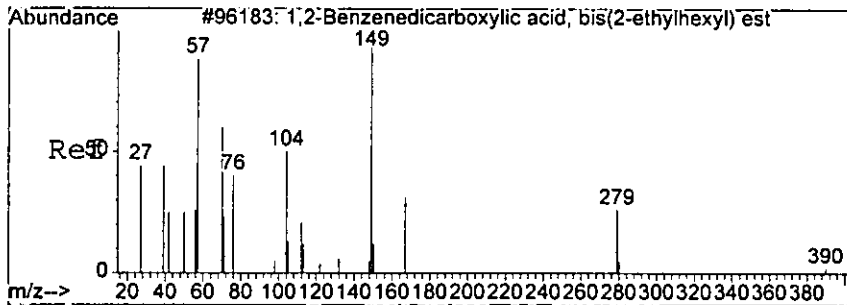


Tgt Ion: 228 Resp: 139323

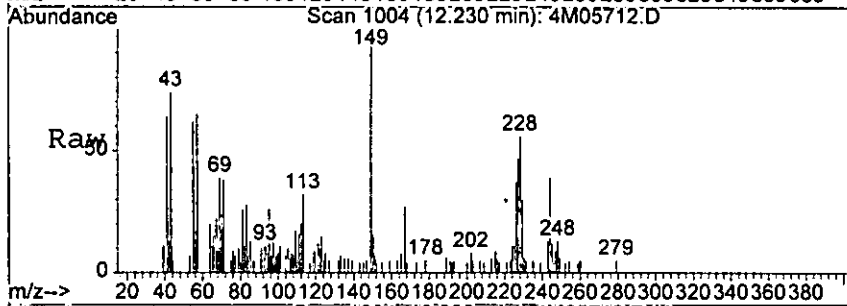
Ion	Ratio	Lower	Upper
228	100		
226	30.3	12.0	52.0
229	23.7	0.0	61.1



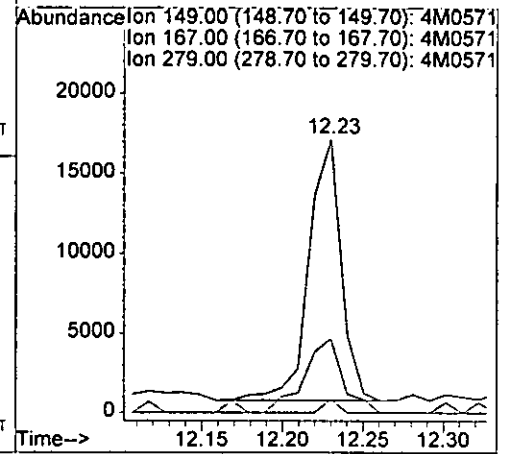
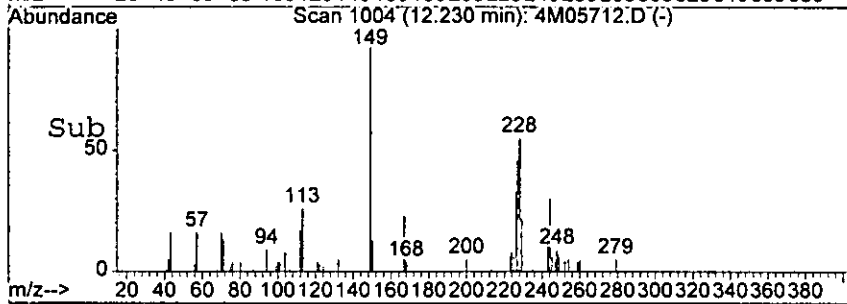
Heard



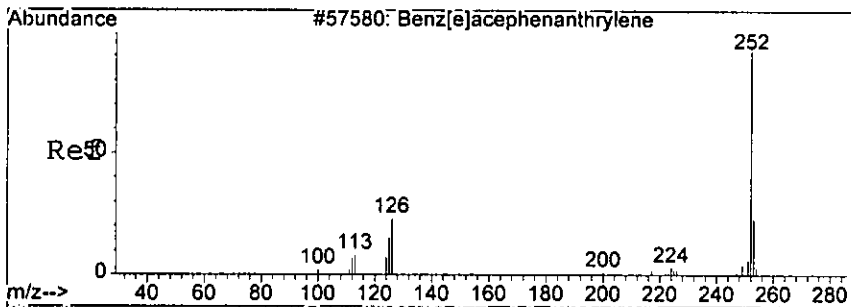
#80
 bis(2-Ethylhexyl)phthalate
 Concen: 6.62 ng
 RT: 12.23 min Scan# 1004
 Delta R.T. 0.00 min
 Lab File: 4M05712.D
 Acq: 18 Aug 2005 16:48



Tgt Ion	Ratio	Resp	Lower	Upper
149	100	22848		
167	28.4	0.0	53.9	
279	5.2	0.0	43.5	



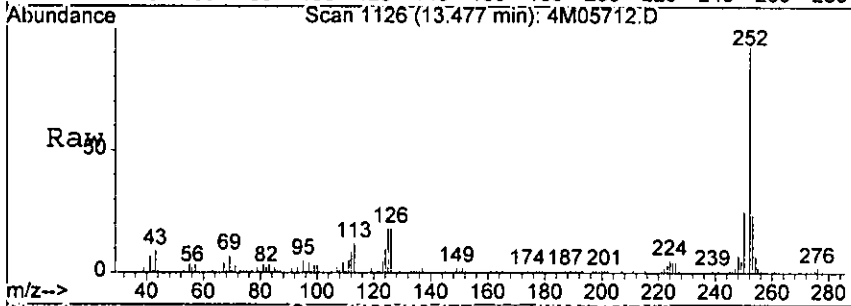
Handwritten signature



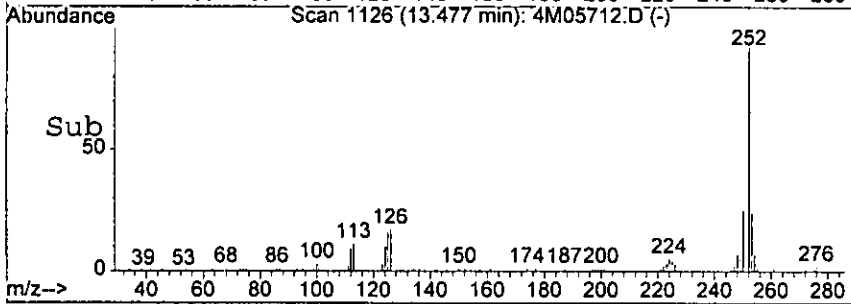
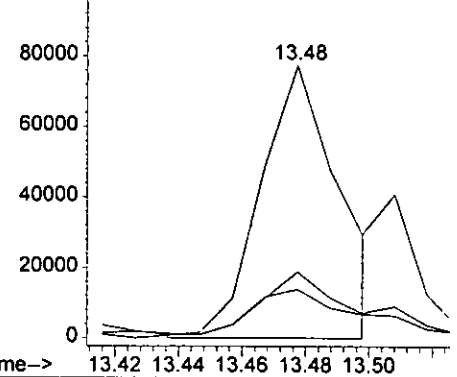
#83
 Benzo [b] fluoranthene
 Concen: 50.56 ng m
 RT: 13.48 min Scan# 1126
 Delta R.T. 0.00 min
 Lab File: 4M05712.D
 Acq: 18 Aug 2005 16:48

Tgt Ion: 252 Resp: 132885

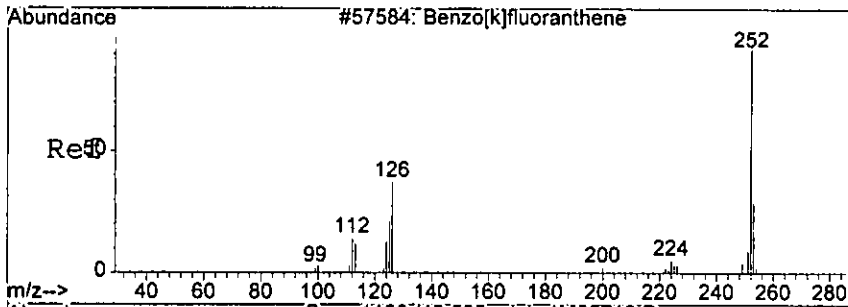
Ion	Ratio	Lower	Upper
252	100		
253	24.4	0.0	63.3
125	17.9	0.0	57.6



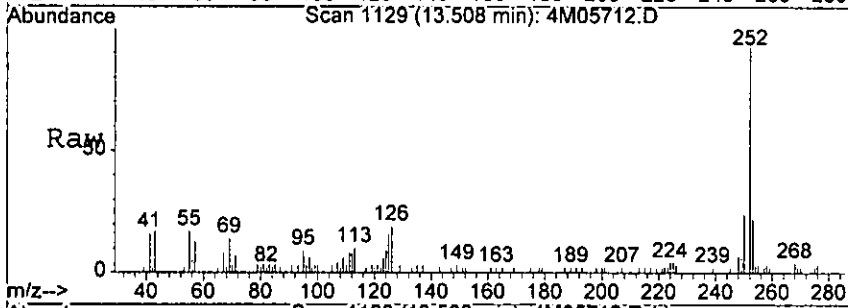
Abundance Ion 252.00 (251.70 to 252.70): 4M0571
 Ion 253.00 (252.70 to 253.70): 4M0571
 Ion 125.00 (124.70 to 125.70): 4M0571



Handwritten signature

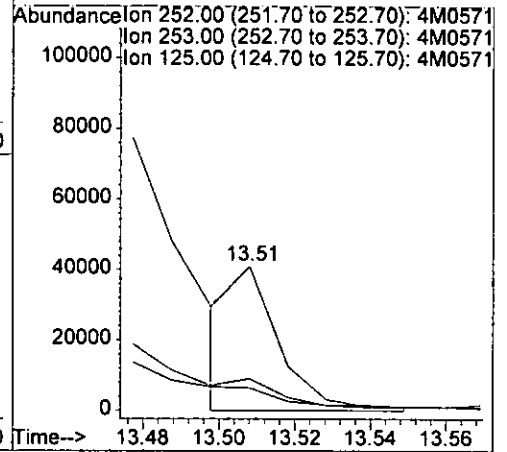
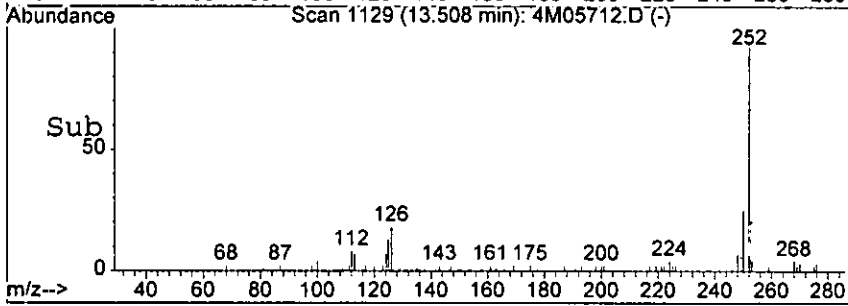


#84
 Benzo[k]fluoranthene
 Concen: 15.36 ng m
 RT: 13.51 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: 4M05712.D
 Acq: 18 Aug 2005 16:48

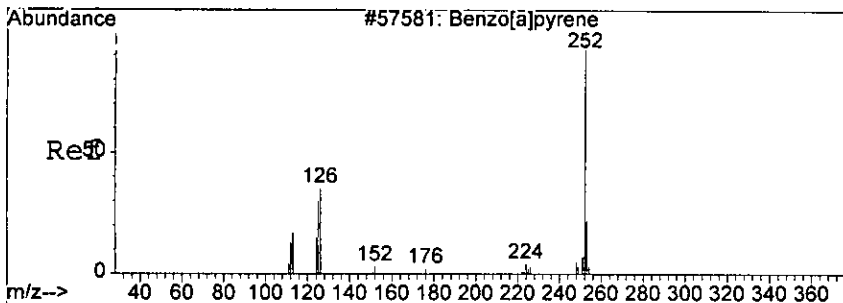


Tgt Ion: 252 Resp: 35961

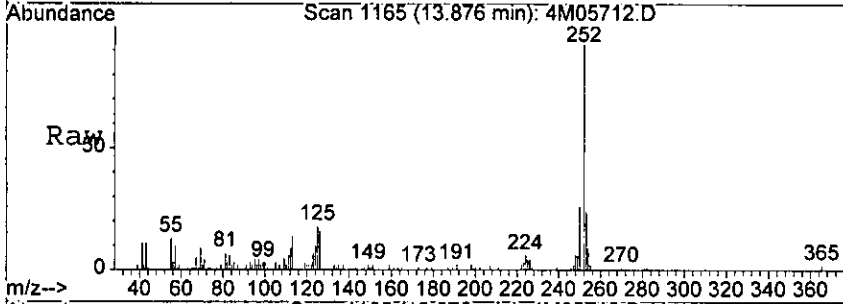
Ion	Ratio	Lower	Upper
252	100		
253	22.1	0.0	63.5
125	15.7	0.0	53.8



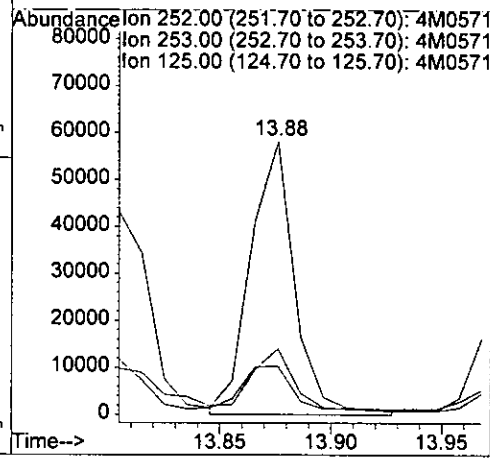
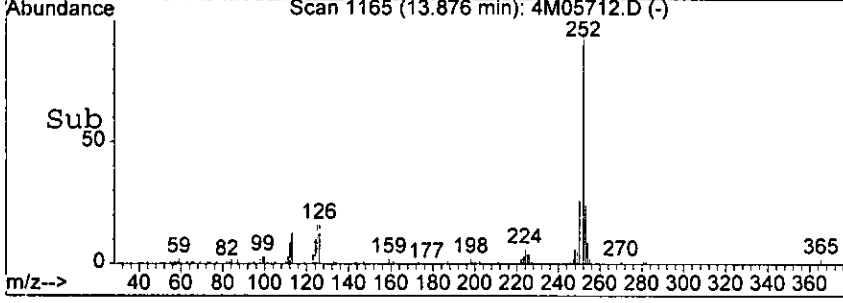
han



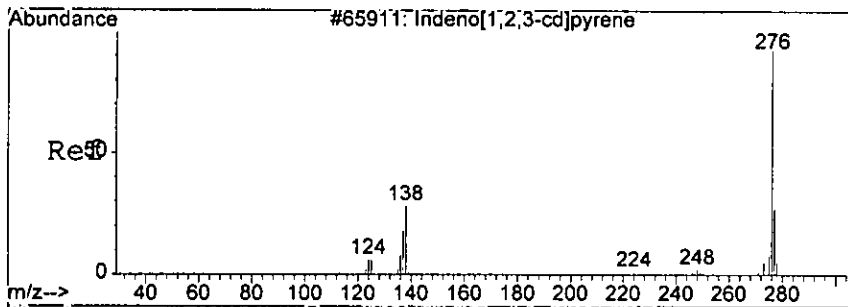
#85
 Benzo[a]pyrene
 Concen: 33.74 ng
 RT: 13.88 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: 4M05712.D
 Acq: 18 Aug 2005 16:48



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	0.0	62.9
125	15.9	0.0	57.6

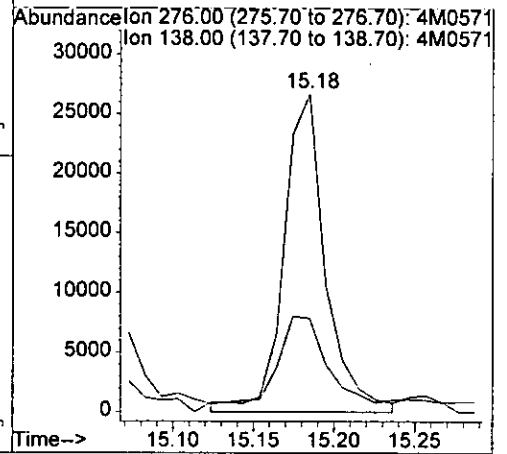
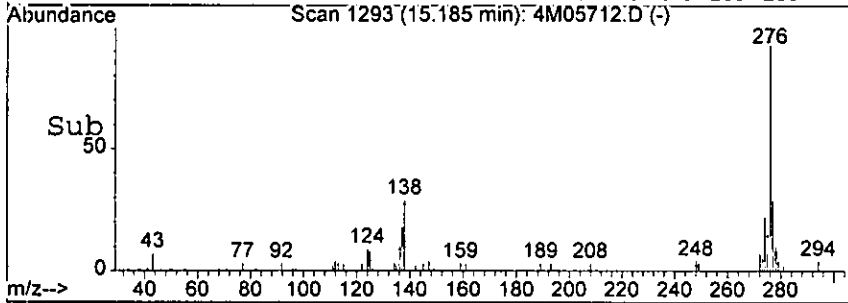
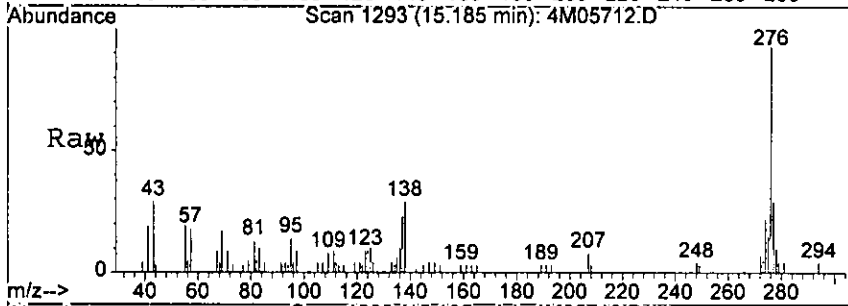


kar

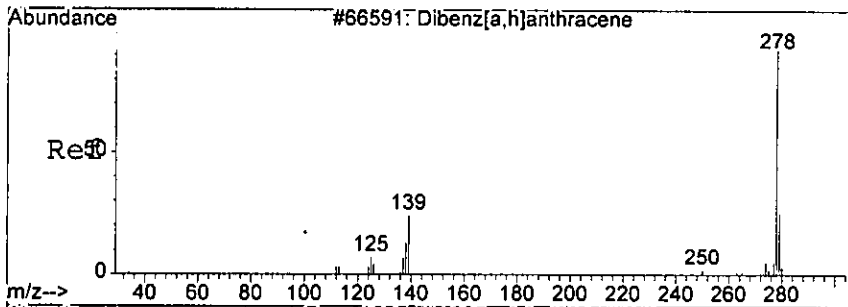


#86
 Indeno[1,2,3-cd]pyrene
 Concen: 16.83 ng
 RT: 15.18 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: 4M05712.D
 Acq: 18 Aug 2005 16:48

Tgt Ion: 276 Resp: 47883
 Ion Ratio Lower Upper
 276 100
 138 27.0 0.0 73.4

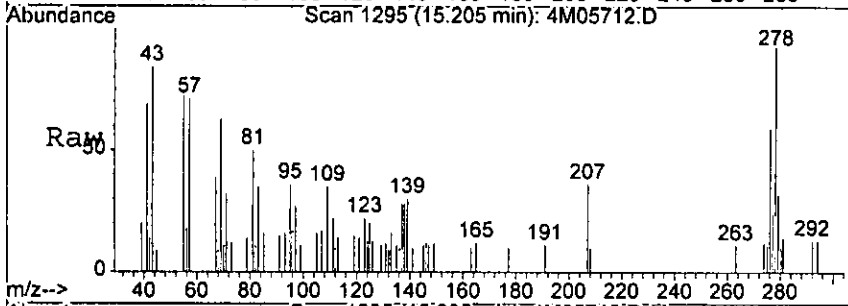


hca

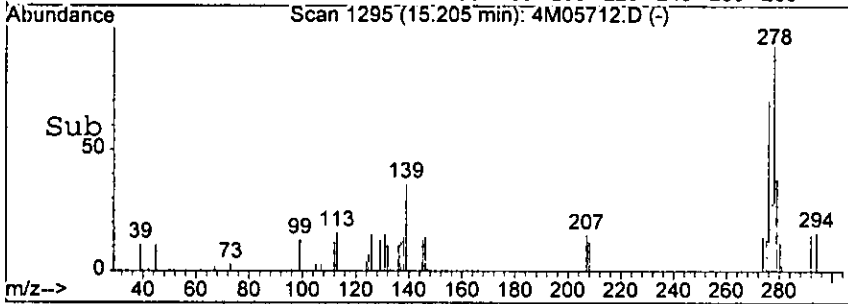
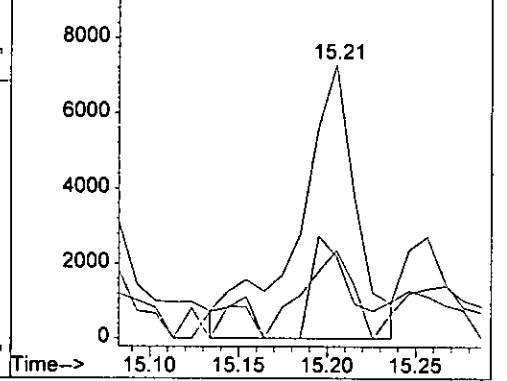


#87
 Dibenzo[a,h]anthracene
 Concen: 7.56 ng
 RT: 15.21 min Scan# 1295
 Delta R.T. 0.00 min
 Lab File: 4M05712.D
 Acq: 18 Aug 2005 16:48

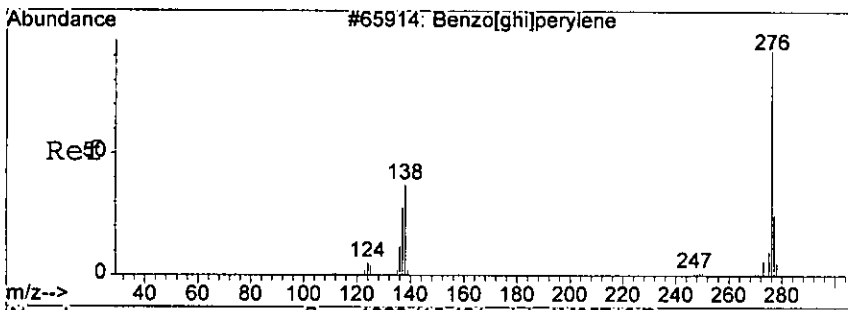
Tgt Ion	Resp	Lower	Upper
278	16795	100	
139	33.4	0.0	63.8
279	25.9	0.0	64.0



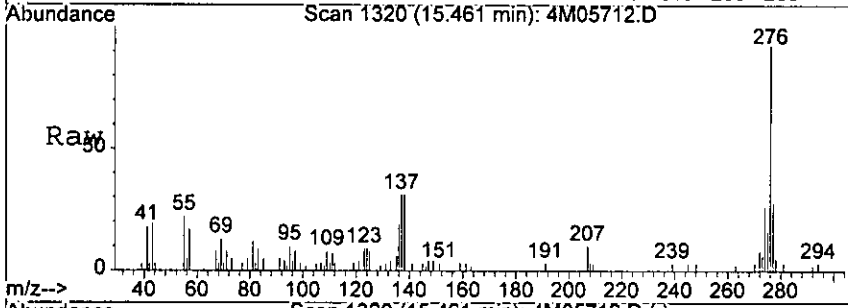
Abundance Ion 278.00 (277.70 to 278.70): 4M0571
 10000 Ion 139.00 (138.70 to 139.70): 4M0571
 Ion 279.00 (278.70 to 279.70): 4M0571



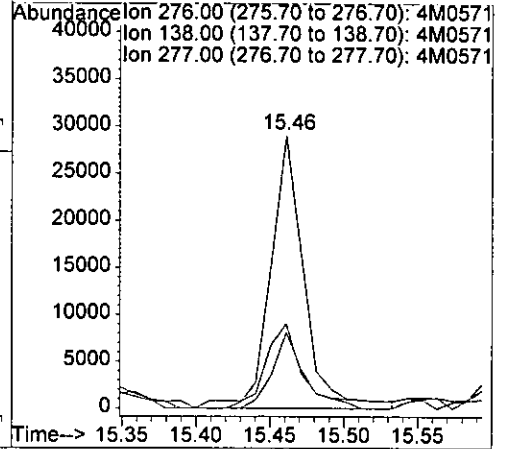
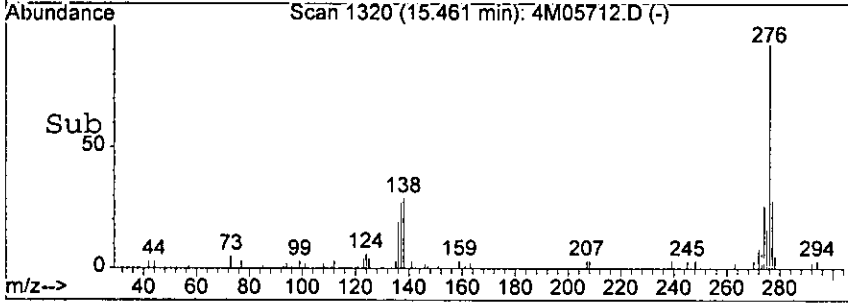
handwritten signature



#88
 Benzo[g,h,i]perylene
 Concen: 19.31 ng
 RT: 15.46 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: 4M05712.D
 Acq: 18 Aug 2005 16:48



Tgt Ion	Resp	Lower	Upper
276	45233	100	
138	28.4	0.0	74.1
277	28.1	0.0	65.0



haz

Form1

ORGANICS SEMIVOLATILE REPORT

P000

Sample Number: AC19099-017(MSD:AC
 Client Id: PCSB - 60 (4)MSD
 Data File: 4M05713.D
 Analysis Date: 08/18/05 17:12
 Date Rec/Extracted: 08/16/05-08/17/05

Matrix: Soil
 Initial Vol: 30g
 Final Vol: 1ml
 Dilution: 1
 Solids: 87

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.010	3.4	205-99-2	Benzo[b]fluoranthene	0.011	1.8
95-50-1	1,2-Dichlorobenzene	0.017	U	191-24-2	Benzo[g,h,i]perylene	0.0073	0.58
122-66-7	1,2-Diphenylhydrazine	0.011	U	207-08-9	Benzo[k]fluoranthene	0.012	0.64
541-73-1	1,3-Dichlorobenzene	0.016	U	111-91-1	bis(2-Chloroethoxy)methan	0.0087	U
106-46-7	1,4-Dichlorobenzene	0.019	3.1	111-44-4	bis(2-Chloroethyl)ether	0.020	U
95-95-4	2,4,5-Trichlorophenol	0.52	U	108-60-1	bis(2-chloroisopropyl)ether	0.012	U
88-06-2	2,4,6-Trichlorophenol	0.93	U	117-81-7	bis(2-Ethylhexyl)phthalat	0.035	0.16
120-83-2	2,4-Dichlorophenol	0.062	U	85-68-7	Butylbenzylphthalate	0.015	U
105-67-9	2,4-Dimethylphenol	0.053	U	86-74-8	Carbazole	0.011	0.093
51-28-5	2,4-Dinitrophenol	0.26	U	218-01-9	Chrysene	0.0079	1.3
121-14-2	2,4-Dinitrotoluene	0.014	4.0	84-74-2	Di-n-butylphthalate	0.0086	0.083 B
606-20-2	2,6-Dinitrotoluene	0.016	U	117-84-0	Di-n-octylphthalate	0.0090	U
91-58-7	2-Chloronaphthalene	0.011	U	53-70-3	Dibenzo[a,h]anthracene	0.013	0.22
95-57-8	2-Chlorophenol	0.078	5.8	132-64-9	Dibenzofuran	0.049	0.19
91-57-6	2-Methylnaphthalene	0.049	0.46	84-66-2	Diethylphthalate	0.011	U
95-48-7	2-Methylphenol	0.18	U	131-11-3	Dimethylphthalate	0.0087	U
88-74-4	2-Nitroaniline	0.027	U	206-44-0	Fluoranthene	0.011	2.2
88-75-5	2-Nitrophenol	0.045	U	86-73-7	Fluorene	0.0097	0.41
106-44-5	3&4-Methylphenol	0.20	U	118-74-1	Hexachlorobenzene	0.018	U
91-94-1	3,3'-Dichlorobenzidine	0.084	U	87-68-3	Hexachlorobutadiene	0.016	U
99-09-2	3-Nitroaniline	0.16	U	77-47-4	Hexachlorocyclopentadiene	0.10	U
534-52-1	4,6-Dinitro-2-methylphenol	0.073	U	67-72-1	Hexachloroethane	0.029	U
101-55-3	4-Bromophenyl-phenylether	0.015	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.0053	0.54
59-50-7	4-Chloro-3-methylphenol	0.097	6.3	78-59-1	Isophorone	0.012	U
106-47-8	4-Chloroaniline	0.30	U	621-64-7	N-Nitroso-di-n-propylami	0.019	3.4
7005-72-3	4-Chlorophenyl-phenylether	0.018	U	62-75-9	N-Nitrosodimethylamine	0.45	U
100-01-6	4-Nitroaniline	0.094	U	86-30-6	n-Nitrosodiphenylamine	0.018	U
100-02-7	4-Nitrophenol	0.068	8.3 E	91-20-3	Naphthalene	0.0090	0.26
83-32-9	Acenaphthene	0.016	3.7	98-95-3	Nitrobenzene	0.015	U
208-96-8	Acenaphthylene	0.0089	0.12	87-86-5	Pentachlorophenol	0.047	7.1
120-12-7	Anthracene	0.010	0.41	85-01-8	Phenanthrene	0.0088	1.2
92-87-5	Benzidine	0.087	U	108-95-2	Phenol	0.058	5.5
56-55-3	Benzo[a]anthracene	0.0067	1.2	129-00-0	Pyrene	0.0089	7.1
50-32-8	Benzo[a]pyrene	0.0088	1.2				

Worksheet #: 18797

Total Target Concentration 70.766

U - Indicates the compound was analyzed but not detected.
 B - Indicates the analyte was found in the blank as well as in the sample.
 E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
 J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

005

Data File : G:\GcMsData\2005\Gcms_4\Data\08-18-05\4M05713.D Vial: 005
 Acq On : 18 Aug 2005 17:12 Operator: AHD
 Sample : AC19099-017(MSD:AC19099-015) Inst : GCMS_4
 Misc : S,BNA Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:42 2005

Quant Results File: 4M_0818.RES

Quant Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration
 DataAcq Meth : 4M_0818

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.78	152	59078	40.00	ng	0.00
19) Naphthalene-d8	5.77	136	178575	40.00	ng	0.00
35) Acenaphthene-d10	7.33	164	95424	40.00	ng	0.00
59) Phenanthrene-d10	8.92	188	181977	40.00	ng	0.01
72) Chrysene-d12	12.10	240	106055	40.00	ng	0.01
81) Perylene-d12	13.94	264	50368	40.00	ng	0.01

System Monitoring Compounds

4) 2-Fluorophenol	3.63	112	261581	160.09	ng	0.01
Spiked Amount	200.000		Recovery	=	80.05%	
7) Phenol-d5	4.51	99	331330	160.54	ng	0.00
Spiked Amount	200.000		Recovery	=	80.27%	
20) Nitrobenzene-d5	5.22	128	67102	81.29	ng	0.00
Spiked Amount	100.000		Recovery	=	81.29%	
40) 2-Fluorobiphenyl	6.69	172	262816	87.19	ng	0.01
Spiked Amount	100.000		Recovery	=	87.19%	
62) 2,4,6-Tribromophenol	8.16	332	134458	182.50	ng	0.01
Spiked Amount	200.000		Recovery	=	91.25%	
75) Terphenyl-d14	10.82	244	300237	120.55	ng	0.01
Spiked Amount	100.000		Recovery	=	120.55%	

Target Compounds

						Qvalue
8) Phenol	4.53	94	349007	143.51	ng	48
9) 2-Chlorophenol	4.61	128	271820	151.32	ng	74
11) 1,4-Dichlorobenzene	4.79	146	160533	80.16	ng	98
17) N-Nitroso-di-n-propylamine	5.12	70	143776	89.27	ng	77
28) 1,2,4-Trichlorobenzene	5.73	180	143216	88.44	ng	95
29) Naphthalene	5.79	128	28212	6.67	ng	95
32) 4-Chloro-3-methylphenol	6.24	107	267868	163.51	ng	85
33) 2-Methylnaphthalene	6.37	142	34560	12.06	ng	97
46) Acenaphthylene	7.19	152	13787	3.25	ng	89
49) Acenaphthene	7.36	153	258846	97.86	ng	100
52) Dibenzofuran	7.53	168	18933m	5.02	ng	
53) 2,4-Dinitrotoluene	7.54	165	110595	104.15	ng	100
54) 4-Nitrophenol	7.49	65	166452	217.67	ng	97
55) Fluorene	7.89	166	30429	10.66	ng	94
66) Pentachlorophenol	8.72	266	139511	186.16	ng	97
67) Phenanthrene	8.94	178	148474	31.35	ng	99
68) Anthracene	9.01	178	51430	10.80	ng	97
69) Carbazole	9.21	167	11274	2.44	ng	81
70) Di-n-butylphthalate	9.65	149	13817	2.16	ng	79

(#) = qualifier out of range (m) = manual integration

nsnar

08
05
01

Data File : G:\GcMsData\2005\Gcms_4\Data\08-18-05\4M05713.D Vial: 05
 Acq On : 18 Aug 2005 17:12 Operator: AHD
 Sample : AC19099-017(MSD:AC19099-015) Inst : GCMS_4
 Misc : S,BNA Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:42 2005 Quant Results File: 4M_0818.RES

Quant Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration
 DataAcq Meth : 4M_0818

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
71) Fluoranthene	10.33	202	296254	57.68	ng	98
73) Pyrene	10.60	202	677693	186.49	ng	96
78) Benzo[a]anthracene	12.09	228	106277	31.99	ng	98
79) Chrysene	12.13	228	104862	33.18	ng	96
80) bis(2-Ethylhexyl)phthalate	12.23	149	11619	4.26	ng	93
83) Benzo[b]fluoranthene	13.47	252	85823m	46.39	ng	
84) Benzo[k]fluoranthene	13.50	252	27735m	16.83	ng	
85) Benzo[a]pyrene	13.87	252	52089	31.21	ng	96
86) Indeno[1,2,3-cd]pyrene	15.18	276	28159	14.06	ng	91
87) Dibenzo[a,h]anthracene	15.20	278	9056	5.79	ng	73
88) Benzo[g,h,i]perylene	15.46	276	25055	15.19	ng	94

(#) = qualifier out of range (m) = manual integration

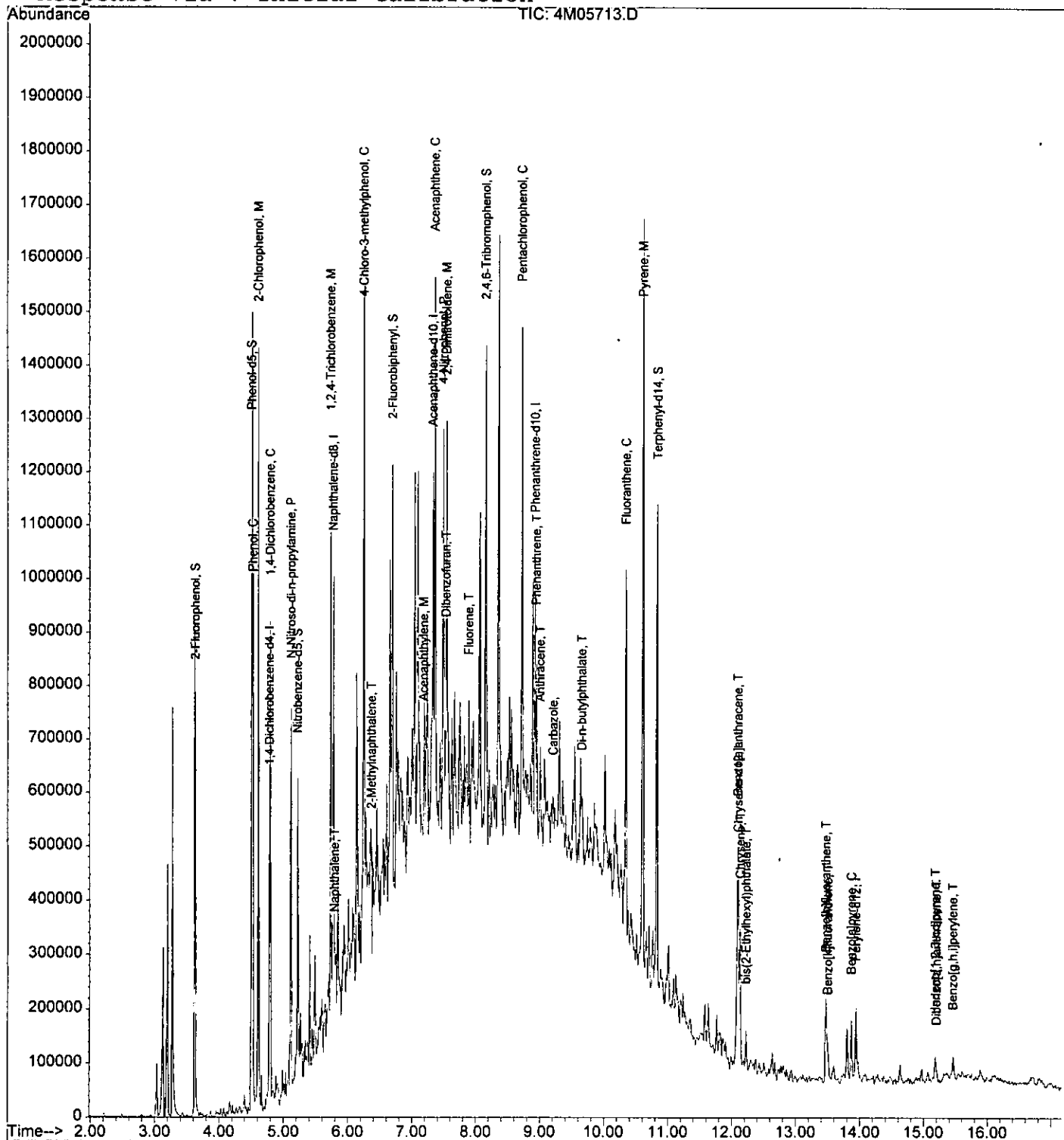
Quantitation Report

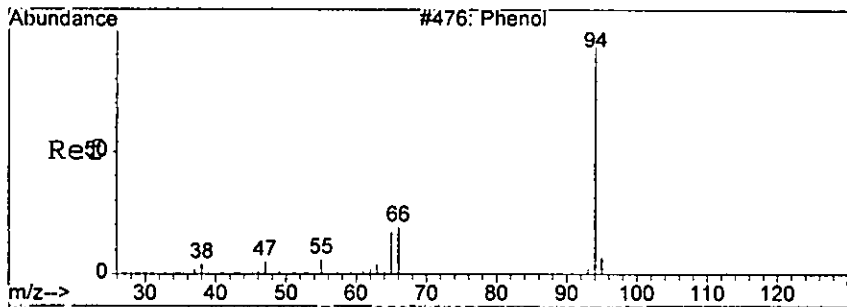
Data File : G:\GcMsData\2005\Gcms_4\Data\08-18-05\4M05713.D
 Acq On : 18 Aug 2005 17:12
 Sample : AC19099-017 (MSD:AC19099-015)
 Misc : S,BNA
 MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:42 2005

Vial: 7
 Operator: AHD
 Inst : GCMS_4
 Multiplr: 1.00

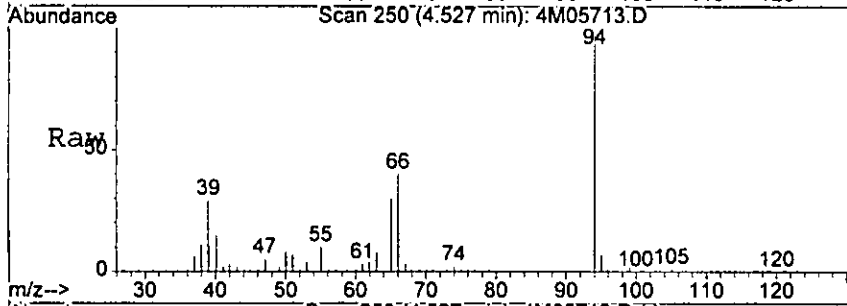
Quant Results File: 4M_0818.RES

Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration



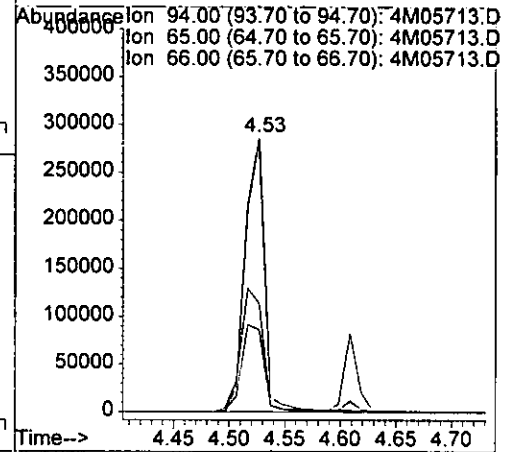
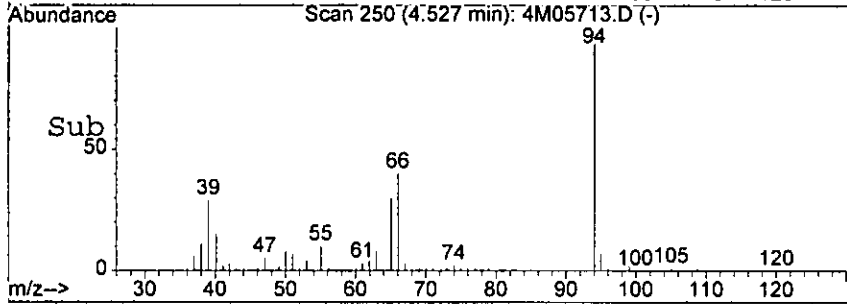


#8
 Phenol
 Concen: 143.51 ng
 RT: 4.53 min Scan# 250
 Delta R.T. 0.01 min
 Lab File: 4M05713.D
 Acq: 18 Aug 2005 17:12

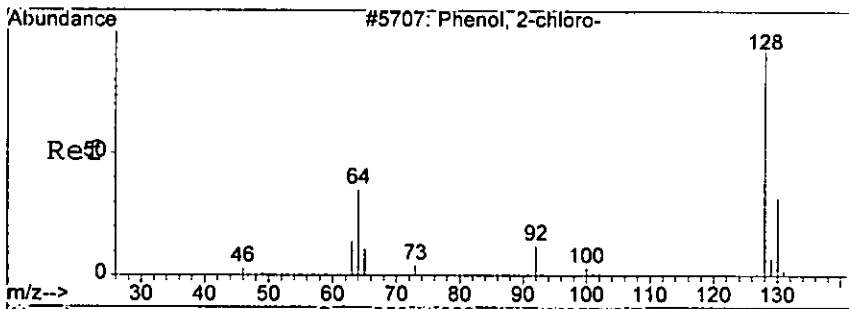


Tgt Ion: 94 Resp: 349007

Ion	Ratio	Lower	Upper
94	100		
65	30.2	0.0	140.0
66	39.8	0.0	225.0

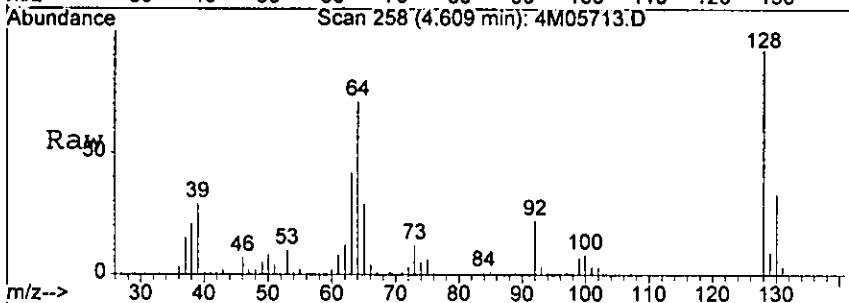


haz



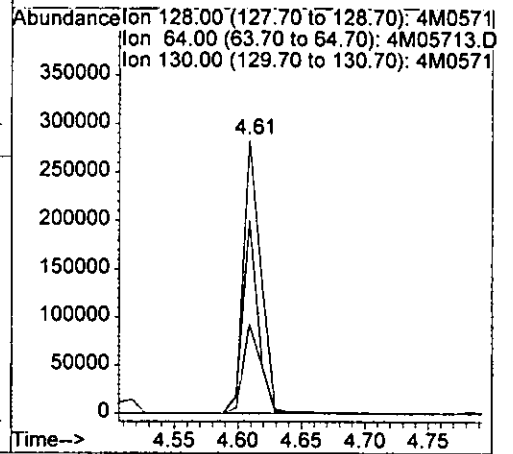
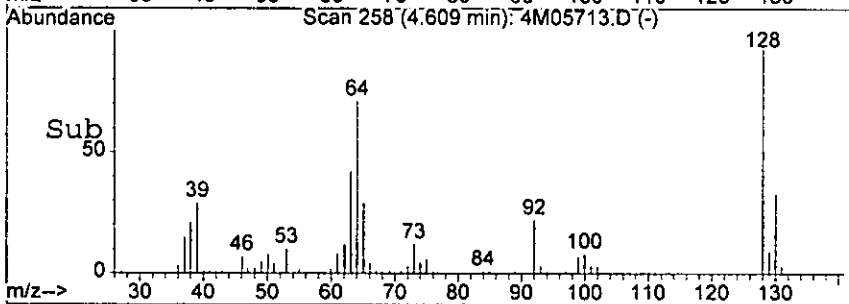
#9
 2-Chlorophenol
 Concen: 151.32 ng
 RT: 4.61 min Scan# 258
 Delta R.T. -0.00 min
 Lab File: 4M05713.D
 Acq: 18 Aug 2005 17:12

6030

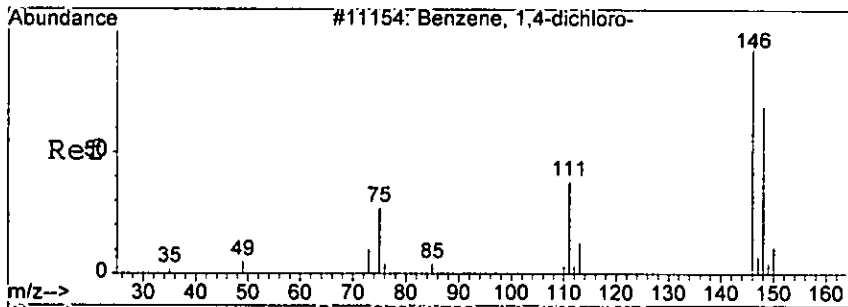


Tgt Ion: 128 Resp: 271820

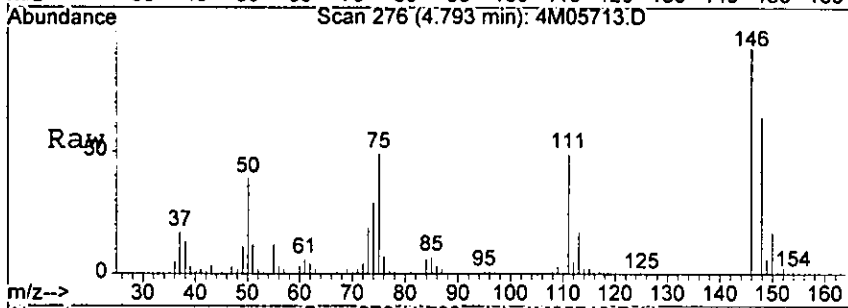
Ion	Ratio	Lower	Upper
128	100		
64	70.8	0.0	126.4
130	32.9	11.5	59.5



Handwritten signature

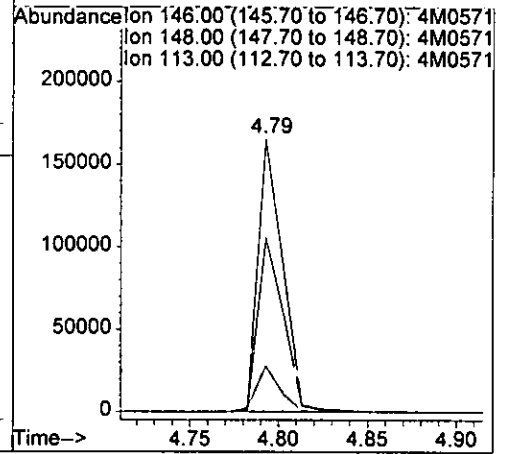
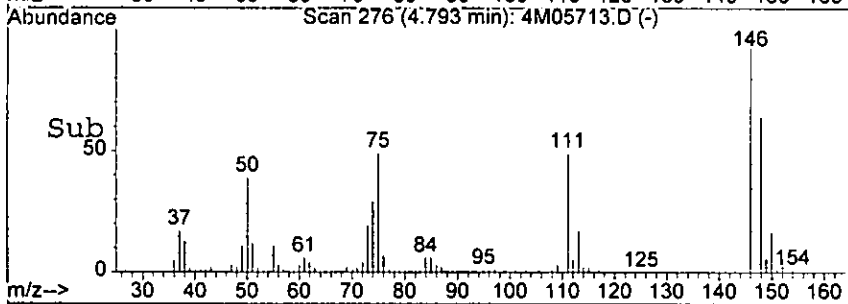


#11
 1,4-Dichlorobenzene
 Concen: 80.16 ng
 RT: 4.79 min Scan# 276
 Delta R.T. -0.00 min
 Lab File: 4M05713.D
 Acq: 18 Aug 2005 17:12

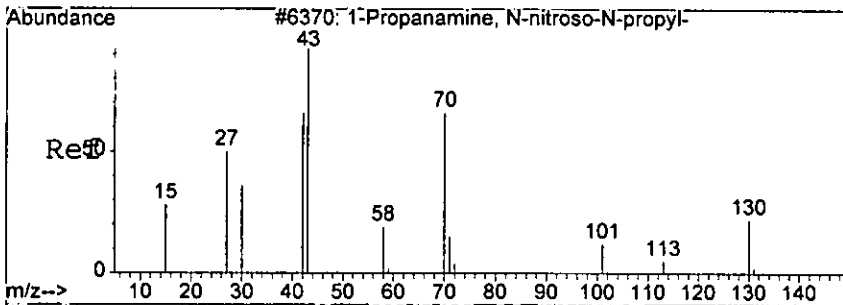


Tgt Ion: 146 Resp: 160533

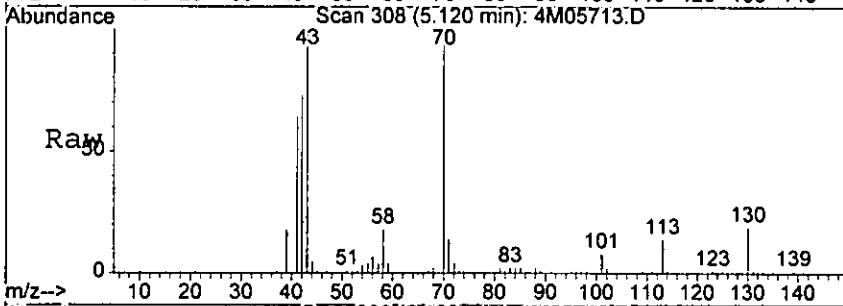
Ion	Ratio	Lower	Upper
146	100		
148	63.9	24.8	104.8
113	16.8	0.0	53.1



haz

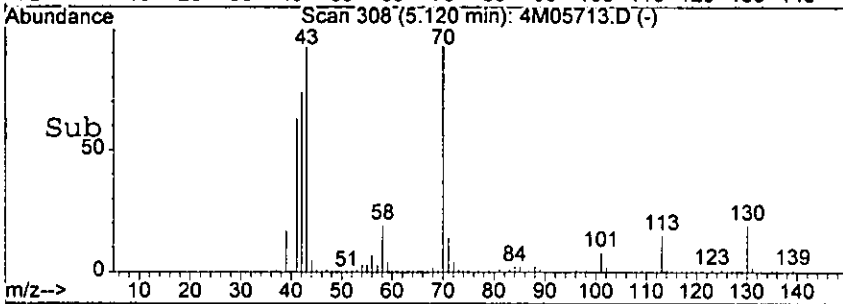


#17
 N-Nitroso-di-n-propylamine
 Concen: 89.27 ng
 RT: 5.12 min Scan# 308
 Delta R.T. 0.01 min
 Lab File: 4M05713.D
 Acq: 18 Aug 2005 17:12

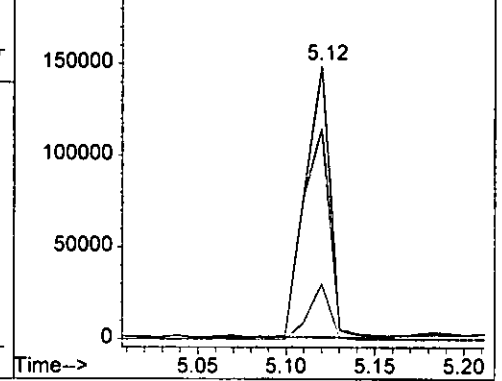


Tgt Ion: 70 Resp: 143776

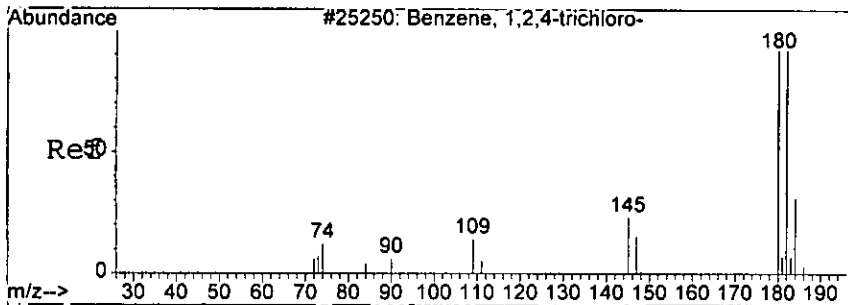
Ion	Ratio	Lower	Upper
70	100		
42	76.7	60.4	140.4
130	20.4	0.0	38.0



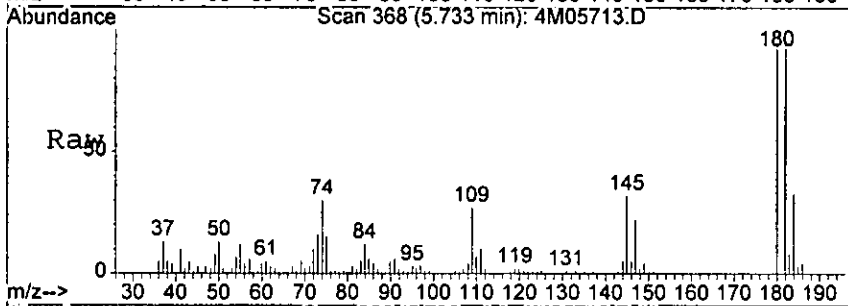
Abundance Ion 70.00 (69.70 to 70.70): 4M05713.D
 200000 Ion 42.00 (41.70 to 42.70): 4M05713.D
 Ion 130.00 (129.70 to 130.70): 4M05713.D



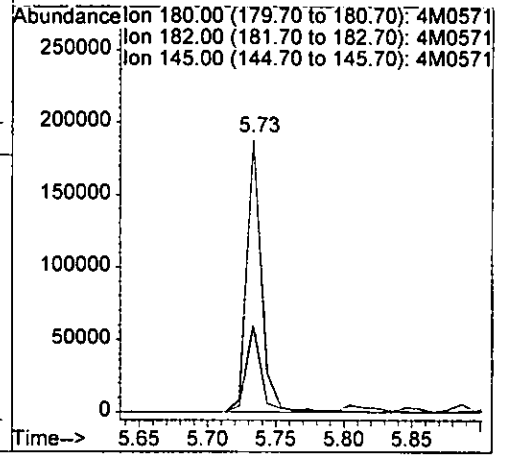
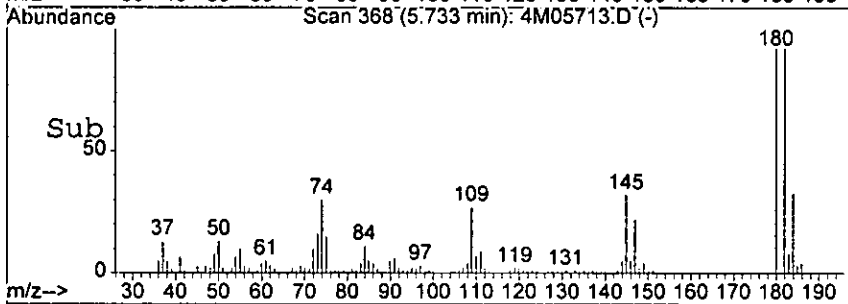
Handwritten signature



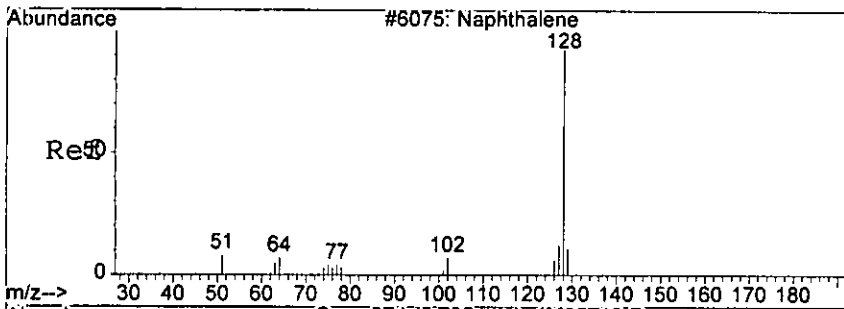
#28
 1,2,4-Trichlorobenzene
 Concen: 88.44 ng
 RT: 5.73 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: 4M05713.D
 Acq: 18 Aug 2005 17:12



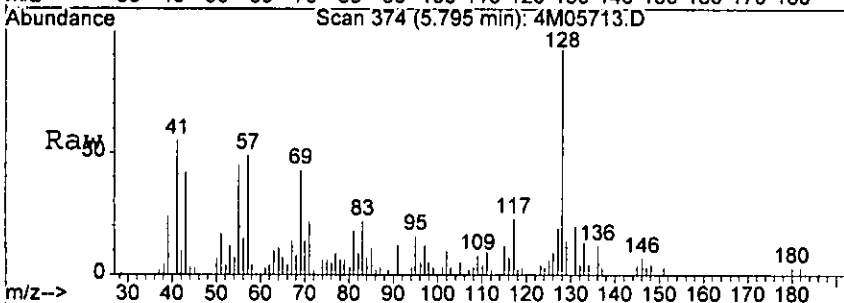
Tgt Ion:	180	Resp:	143216
Ion Ratio	Lower	Upper	
180	100		
182	99.0	56.1	136.1
145	31.8	6.2	46.2



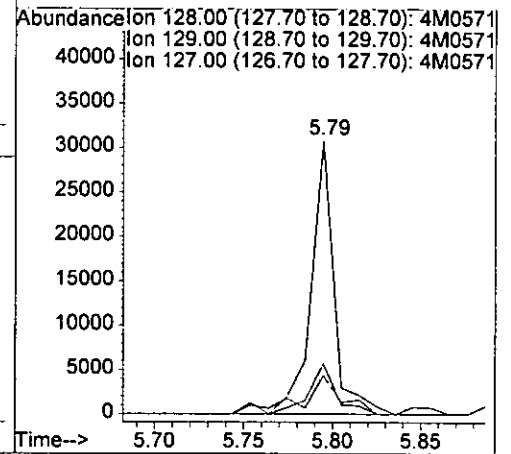
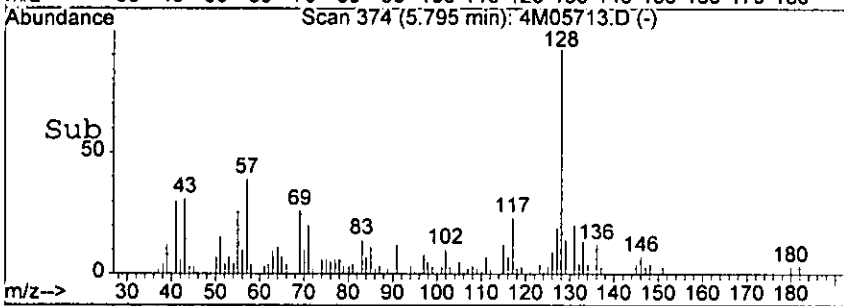
WZar



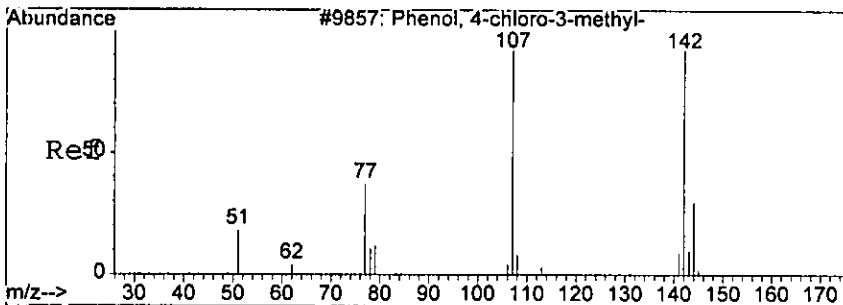
#29
 Naphthalene
 Concen: 6.67 ng
 RT: 5.79 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: 4M05713.D
 Acq: 18 Aug 2005 17:12



Tgt Ion	Ratio	Lower	Upper
128	100		
129	14.2	0.0	51.8
127	18.6	0.0	57.0



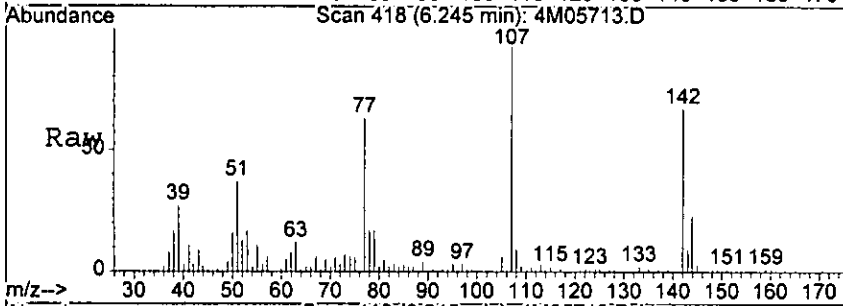
her



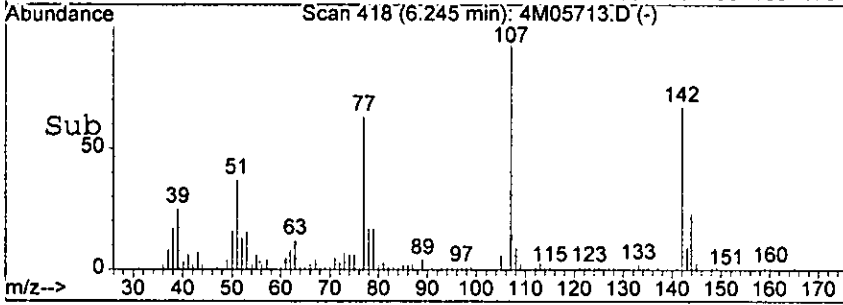
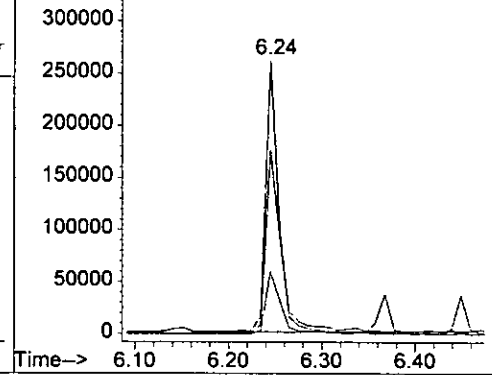
#32
4-Chloro-3-methylphenol
Concn: 163.51 ng
RT: 6.24 min Scan# 418
Delta R.T. -0.00 min
Lab File: 4M05713.D
Acq: 18 Aug 2005 17:12

Tgt Ion:107 Resp: 267868

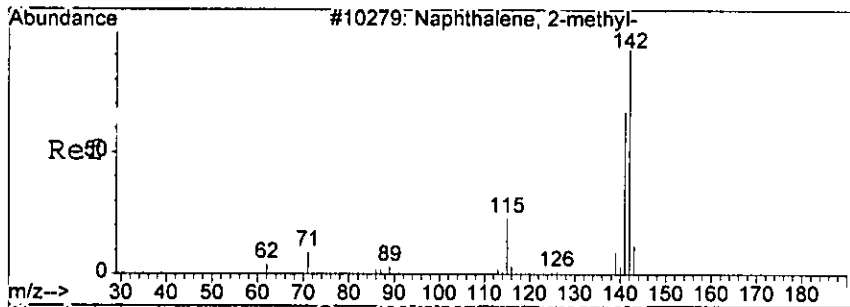
Ion	Ratio	Lower	Upper
107	100		
144	23.0	0.0	68.2
142	67.9	42.7	122.7



Abundance Ion 107.00 (106.70 to 107.70): 4M0571
350000 Ion 144.00 (143.70 to 144.70): 4M0571
Ion 142.00 (141.70 to 142.70): 4M0571

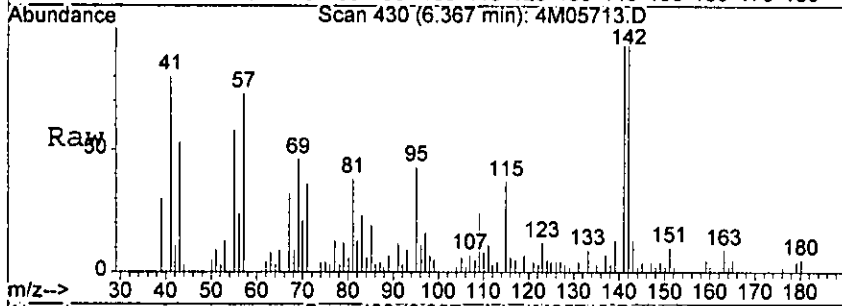


Lezar

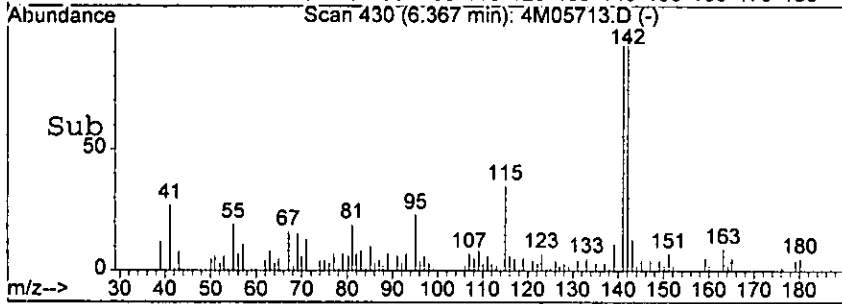
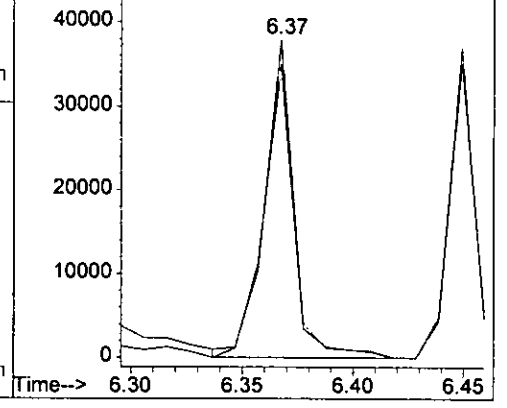


#33
 2-Methylnaphthalene
 Concen: 12.06 ng
 RT: 6.37 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: 4M05713.D
 Acq: 18 Aug 2005 17:12

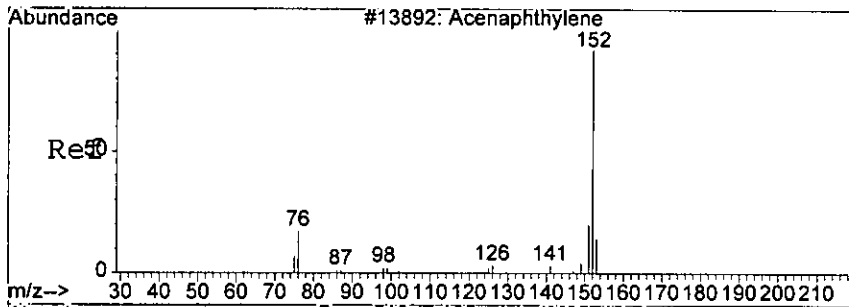
Tgt Ion: 142 Resp: 34560
 Ion Ratio Lower Upper
 142 100
 141 92.5 55.7 135.7



Abundance Ion 142.00 (141.70 to 142.70): 4M05713.D
 Ion 141.00 (140.70 to 141.70): 4M05713.D



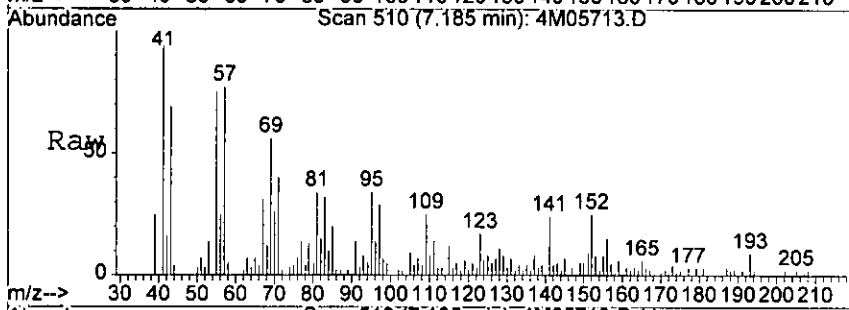
Handwritten signature



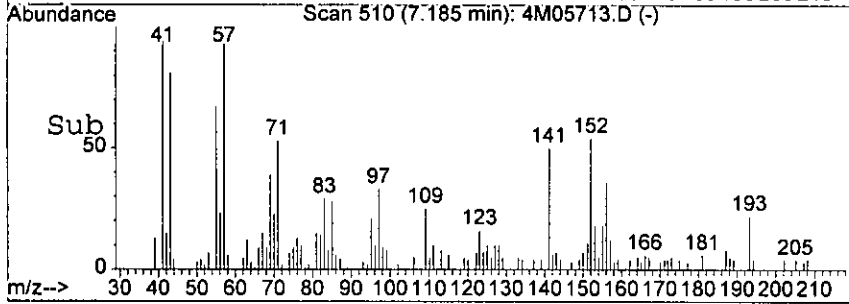
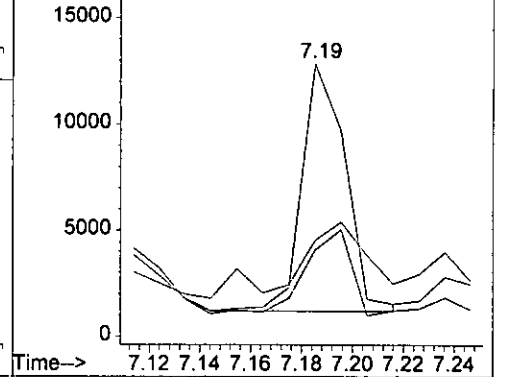
#46
 Acenaphthylene
 Concen: 3.25 ng
 RT: 7.19 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: 4M05713.D
 Acq: 18 Aug 2005 17:12

9180

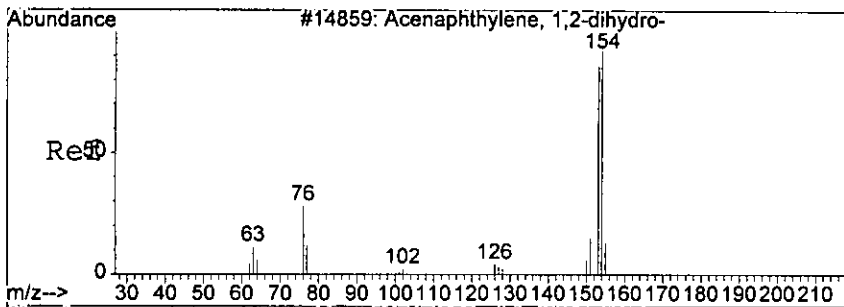
Tgt Ion:	152	151	153
Resp:	13787	23.5	25.9
Ion Ratio:	100		
Lower:		0.0	0.0
Upper:		63.6	53.8



Abundance Ion 152.00 (151.70 to 152.70): 4M0571
 Ion 151.00 (150.70 to 151.70): 4M0571
 Ion 153.00 (152.70 to 153.70): 4M0571



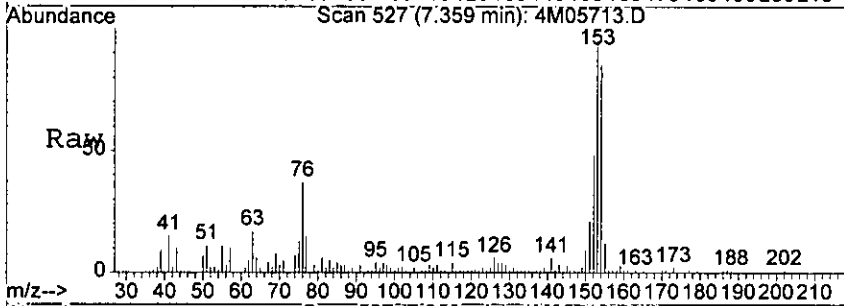
Handwritten signature



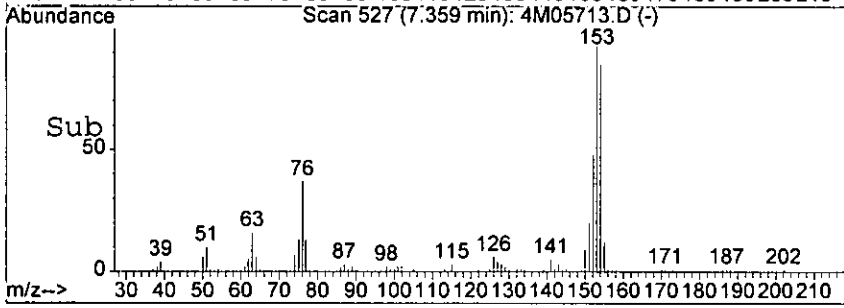
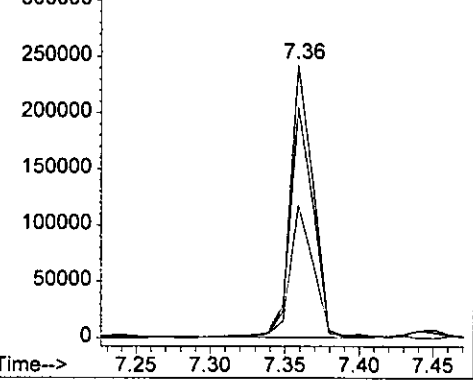
#49
 Acenaphthene
 Concen: 97.86 ng
 RT: 7.36 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: 4M05713.D
 Acq: 18 Aug 2005 17:12

0817

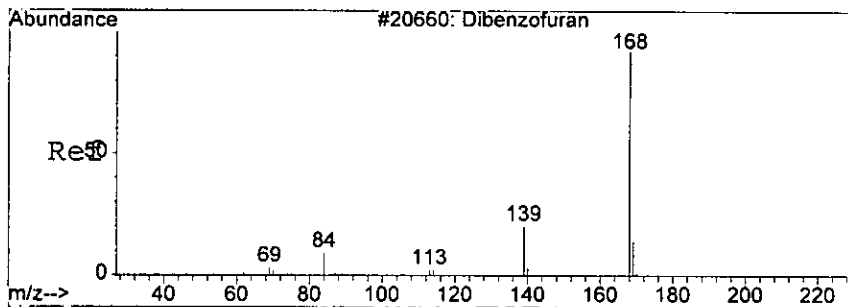
Tgt Ion	Resp	Lower	Upper
153	258846		
152	48.1	8.3	88.3
154	84.8	45.1	125.1



Abundance Ion 153.00 (152.70 to 153.70): 4M0571
 Ion 152.00 (151.70 to 152.70): 4M0571
 Ion 154.00 (153.70 to 154.70): 4M0571



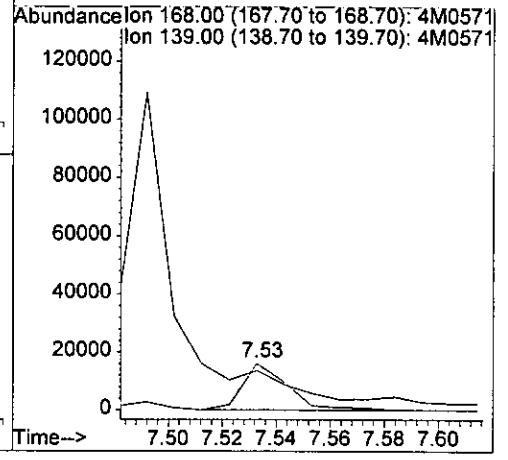
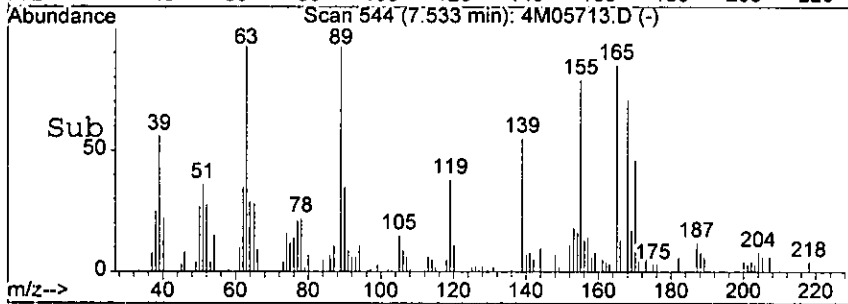
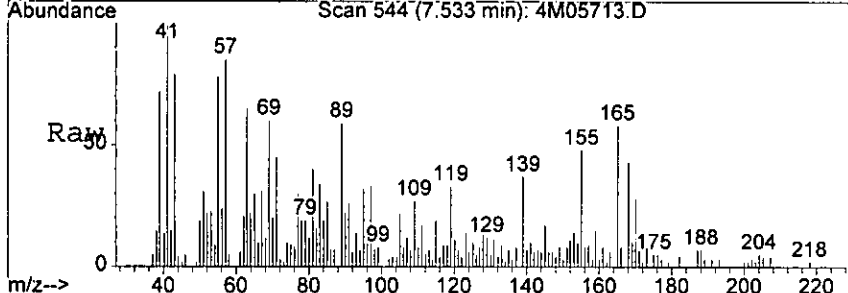
Handwritten signature



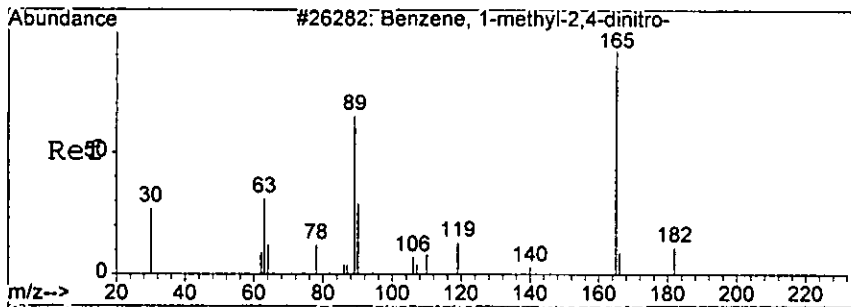
#52
 Dibenzofuran
 Concen: 5.02 ng m
 RT: 7.53 min Scan# 544
 Delta R.T. -0.00 min
 Lab File: 4M05713.D
 Acq: 18 Aug 2005 17:12

0810

Tgt Ion:168 Resp: 18933
 Ion Ratio Lower Upper
 168 100
 139 84.9 6.0 66.0#



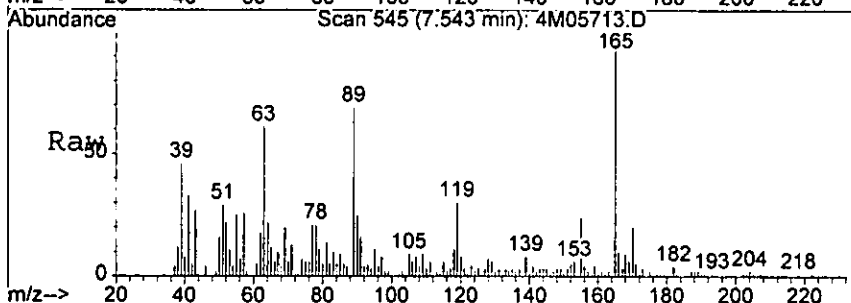
Handwritten signature



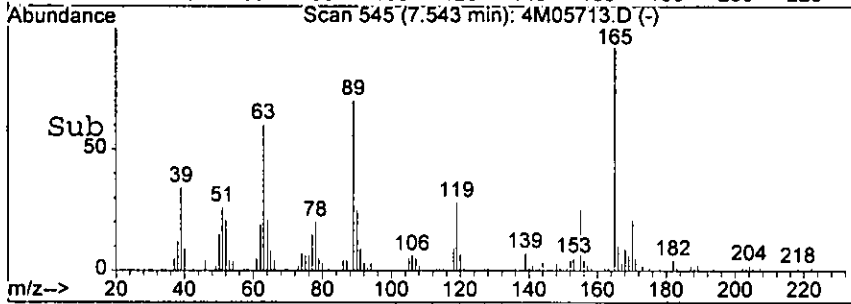
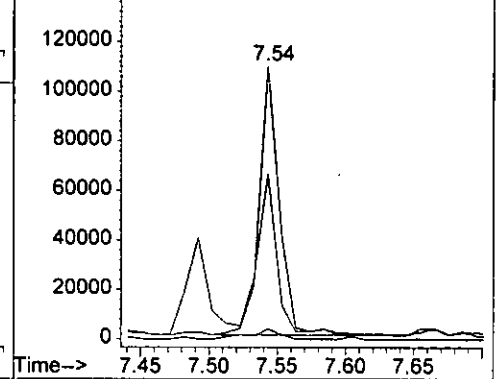
#53
 2,4-Dinitrotoluene
 Concen: 104.15 ng
 RT: 7.54 min Scan# 545
 Delta R.T. 0.01 min
 Lab File: 4M05713.D
 Acq: 18 Aug 2005 17:12

0819

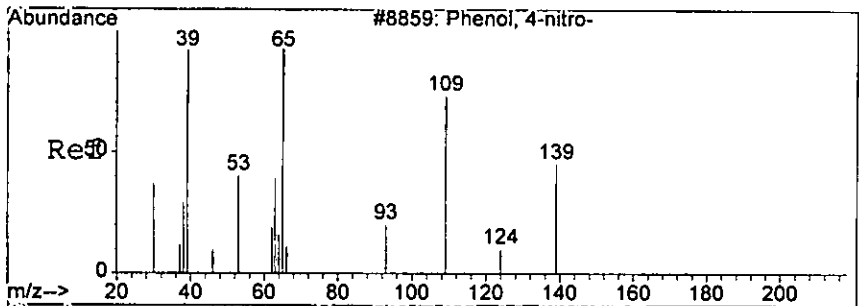
Tgt Ion:	165	Resp:	110595
Ion Ratio	100	Lower	Upper
63	60.3	0.0	167.0
182	3.7	0.0	43.8



Abundance Ion 165.00 (164.70 to 165.70): 4M05713.D
 Ion 63.00 (62.70 to 63.70): 4M05713.D
 Ion 182.00 (181.70 to 182.70): 4M05713.D



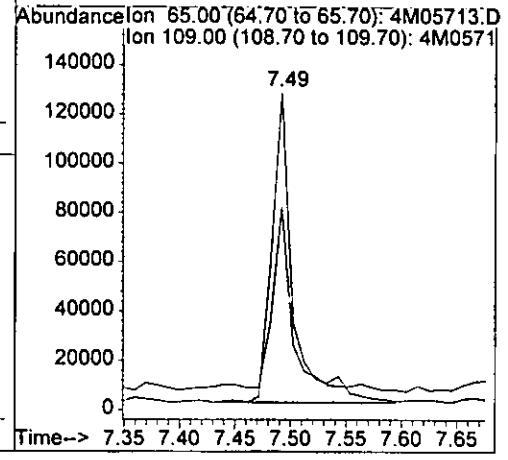
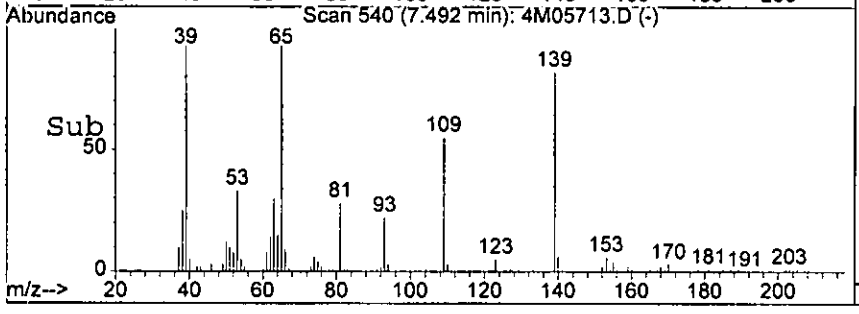
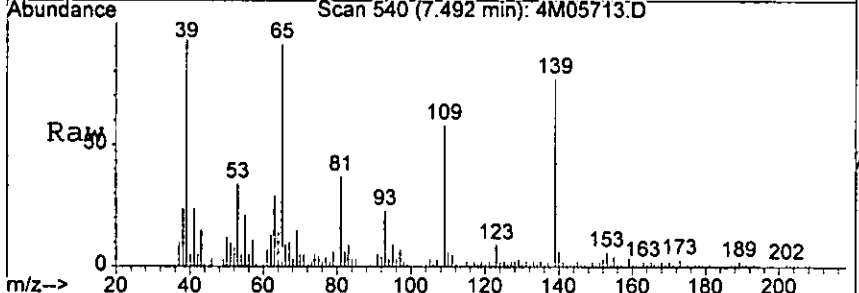
Handwritten signature



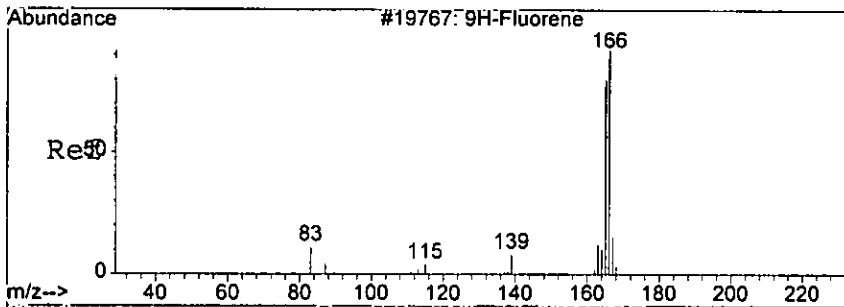
#54
 4-Nitrophenol
 Concen: 217.67 ng
 RT: 7.49 min Scan# 540
 Delta R.T. -0.00 min
 Lab File: 4M05713.D
 Acq: 18 Aug 2005 17:12

0828

Tgt Ion: 65 Resp: 166452
 Ion Ratio Lower Upper
 65 100
 109 59.0 0.0 116.7

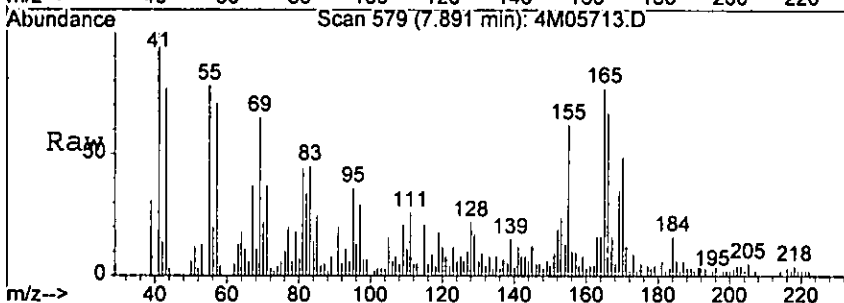


Handwritten signature

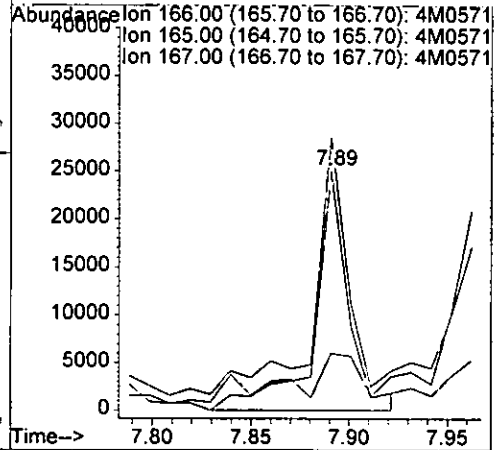
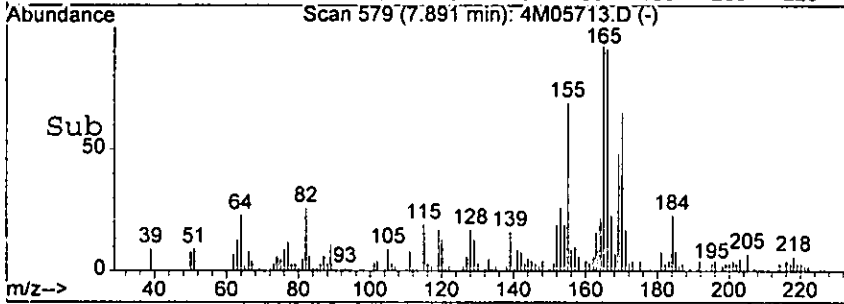


#55
 Fluorene
 Concen: 10.66 ng
 RT: 7.89 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: 4M05713.D
 Acq: 18 Aug 2005 17:12

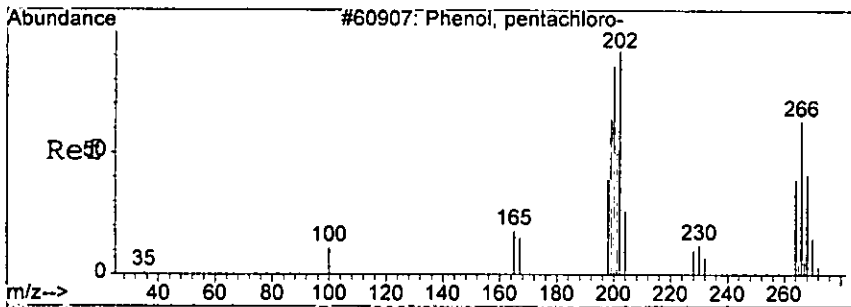
0821



Tgt Ion:	166	Resp:	30429
Ion Ratio	Lower	Upper	
166	100		
165	107.8	63.3	143.3
167	20.6	0.0	54.6



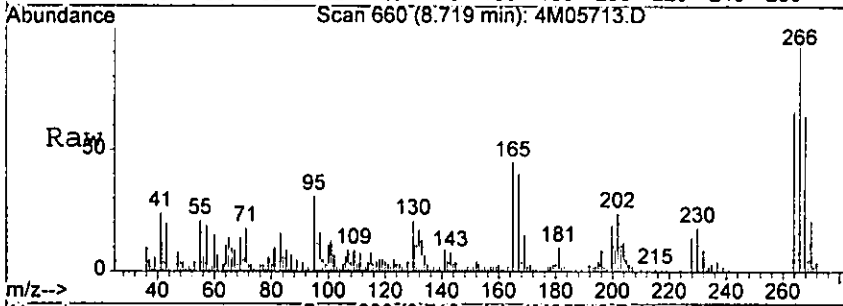
Raw



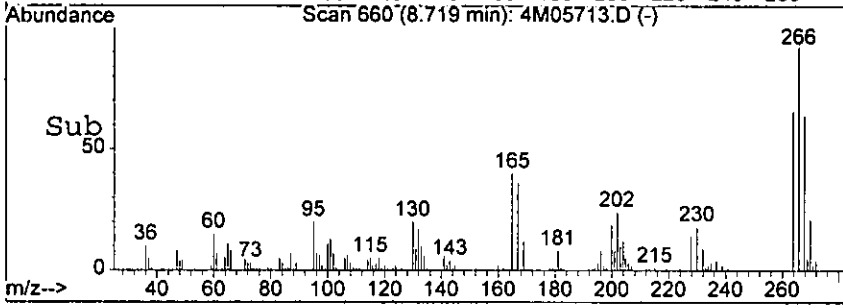
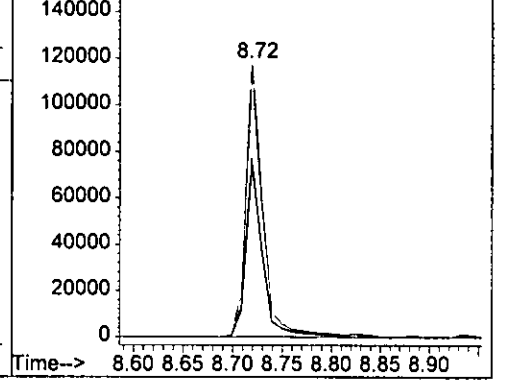
#66
 Pentachlorophenol
 Concen: 186.16 ng
 RT: 8.72 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: 4M05713.D
 Acq: 18 Aug 2005 17:12

0822

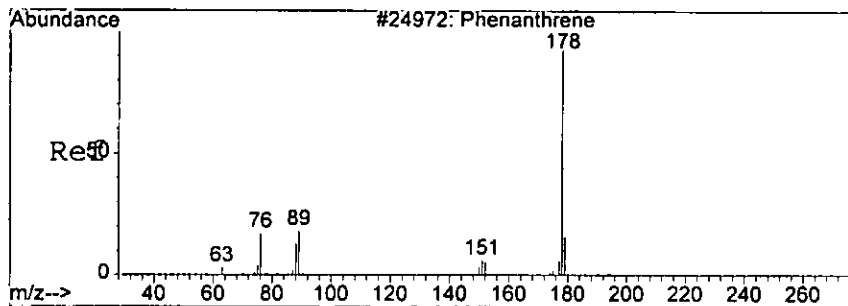
Tgt Ion: 266	Resp: 139511
Ion Ratio	Lower Upper
266	100
264	65.9 25.5 105.5
268	63.7 27.9 107.9



Abundance Ion 266.00 (265.70 to 266.70): 4M0571
 160000 Ion 264.00 (263.70 to 264.70): 4M0571
 Ion 268.00 (267.70 to 268.70): 4M0571



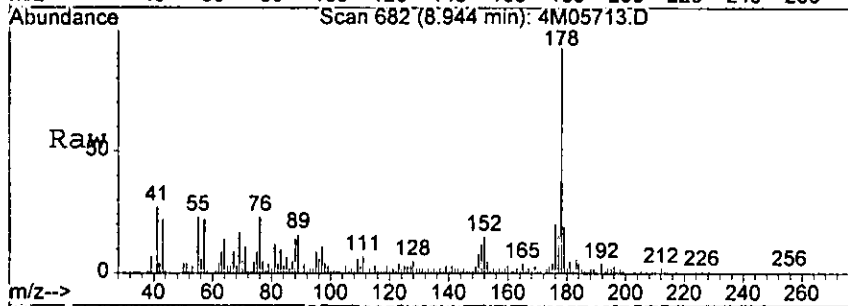
Handwritten signature



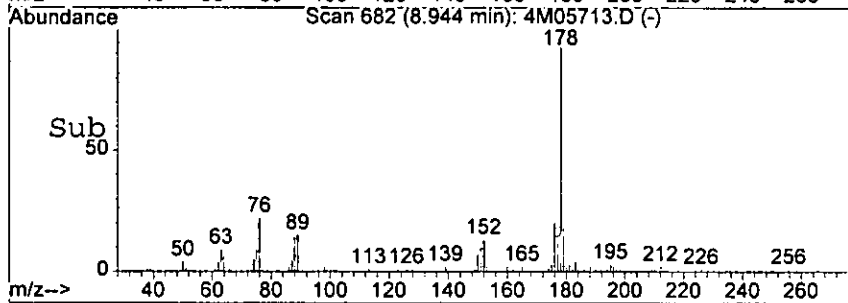
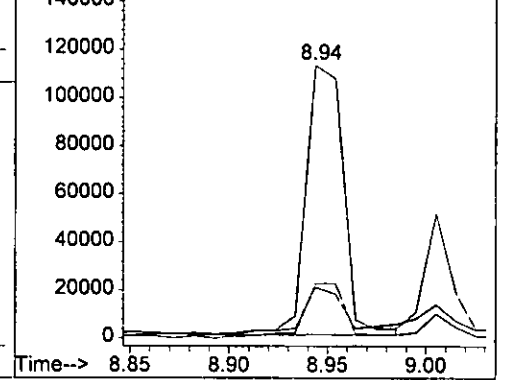
#67
 Phenanthrene
 Concen: 31.35 ng
 RT: 8.94 min Scan# 682
 Delta R.T. -0.00 min
 Lab File: 4M05713.D
 Acq: 18 Aug 2005 17:12

0823

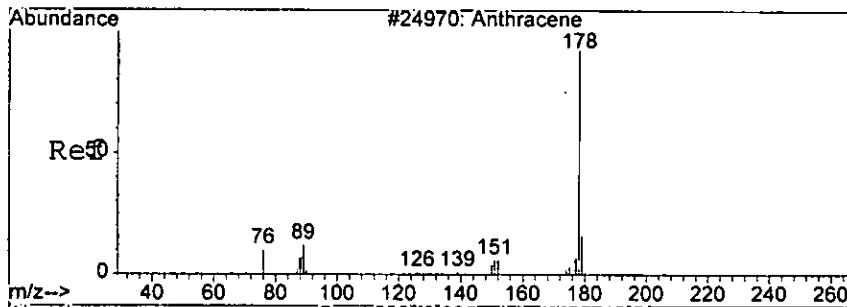
Tgt Ion:178	Resp:	148474
Ion Ratio	Lower	Upper
178	100	
179	17.3	0.0 56.6
176	20.3	0.0 60.5



Abundance Ion 178.00 (177.70 to 178.70): 4M0571
 Ion 179.00 (178.70 to 179.70): 4M0571
 Ion 176.00 (175.70 to 176.70): 4M0571



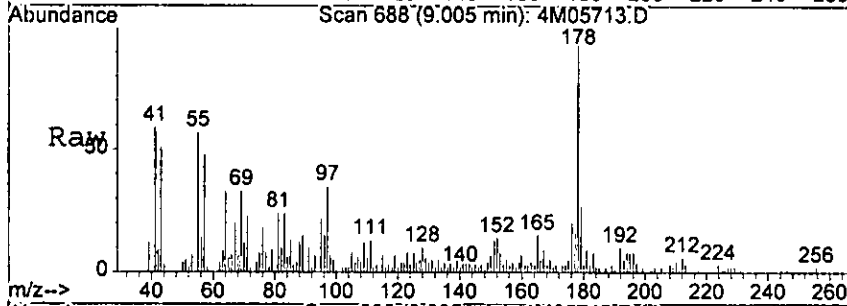
hear



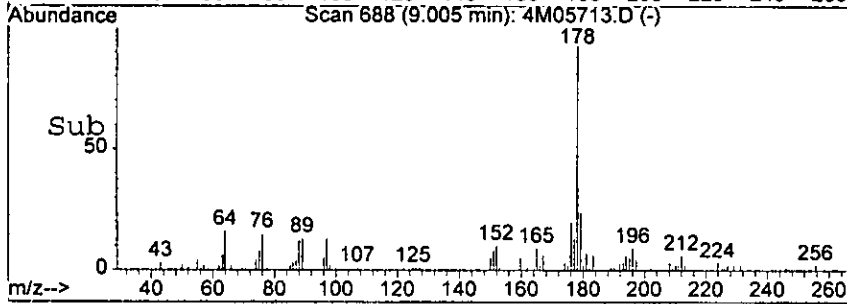
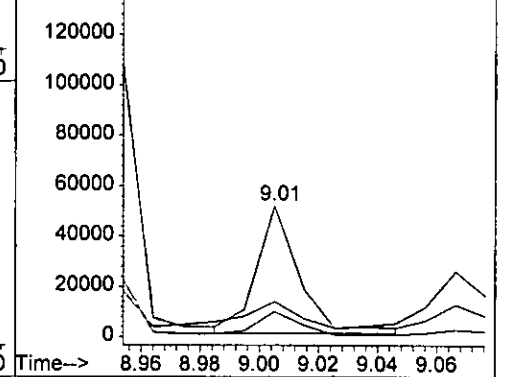
#68
 Anthracene
 Concen: 10.80 ng
 RT: 9.01 min Scan# 688
 Delta R.T. -0.00 min
 Lab File: 4M05713.D
 Acq: 18 Aug 2005 17:12

0824

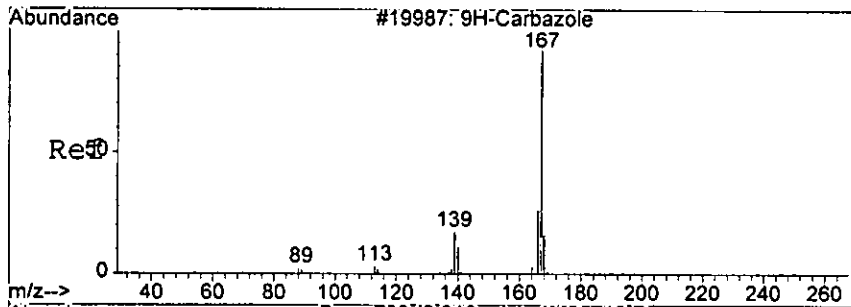
Tgt Ion	Resp	Lower	Upper
178	51430	100	100
179	17.9	0.0	56.6
176	19.1	0.0	60.2



Abundance Ion 178.00 (177.70 to 178.70): 4M0571
 Ion 179.00 (178.70 to 179.70): 4M0571
 Ion 176.00 (175.70 to 176.70): 4M0571



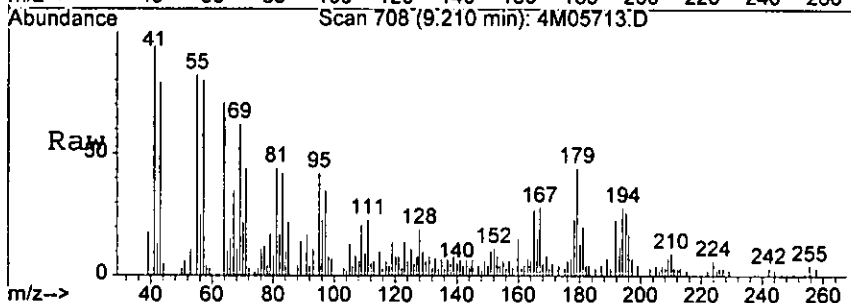
Handwritten signature/initials



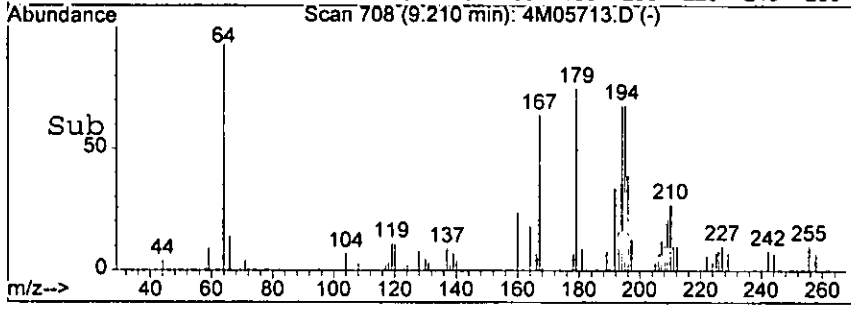
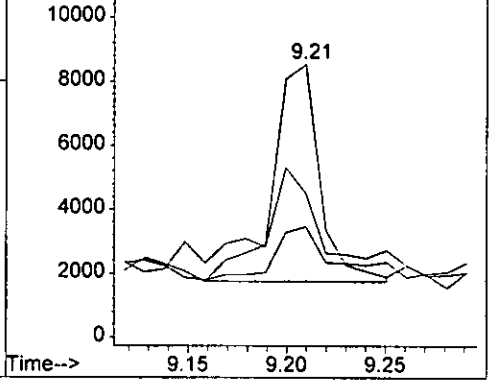
#69
 Carbazole
 Concen: 2.44 ng
 RT: 9.21 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: 4M05713.D
 Acq: 18 Aug 2005 17:12

0825

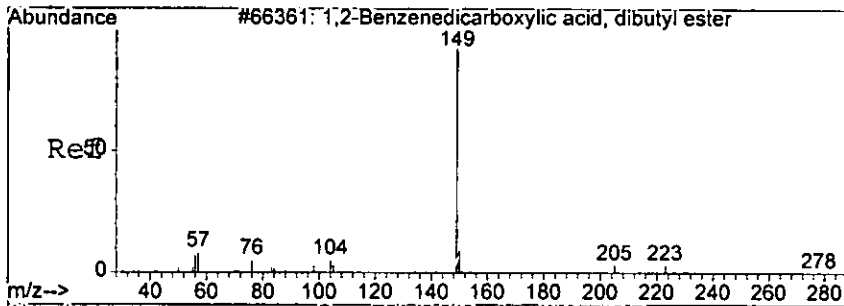
Tgt Ion:	167	Resp:	11274
Ion Ratio	Lower	Upper	
167	100		
166	32.3	4.9	44.9
139	24.6	0.0	33.9



Abundance Ion 167.10 (166.80 to 167.80): 4M0571
 Ion 166.20 (165.90 to 166.90): 4M0571
 Ion 139.05 (138.75 to 139.75): 4M0571

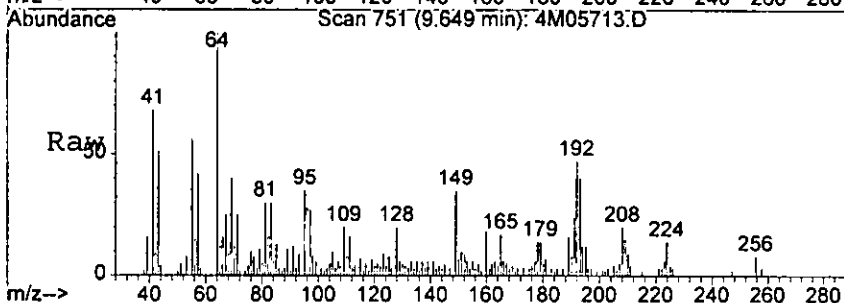


Handwritten signature/initials

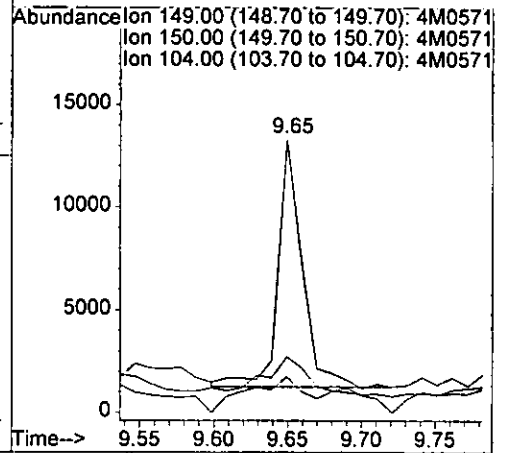
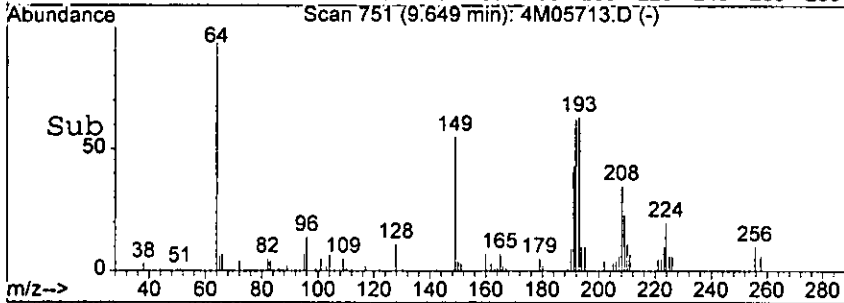


#70
 Di-n-butylphthalate
 Concen: 2.16 ng
 RT: 9.65 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: 4M05713.D
 Acq: 18 Aug 2005 17:12

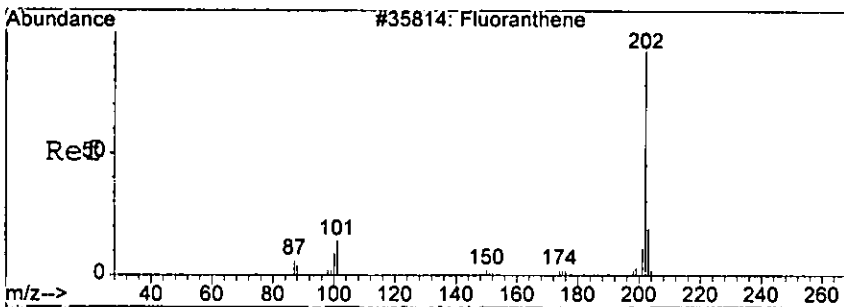
0825



Tgt Ion	Ratio	Resp	Lower	Upper
149	100	13817		
150	16.0		0.0	49.8
104	14.6		0.0	44.6



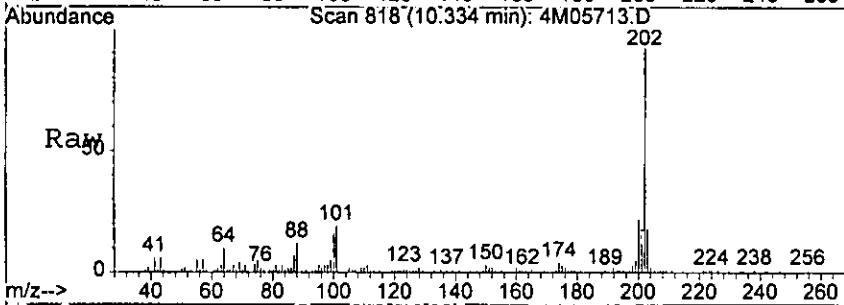
Handwritten signature



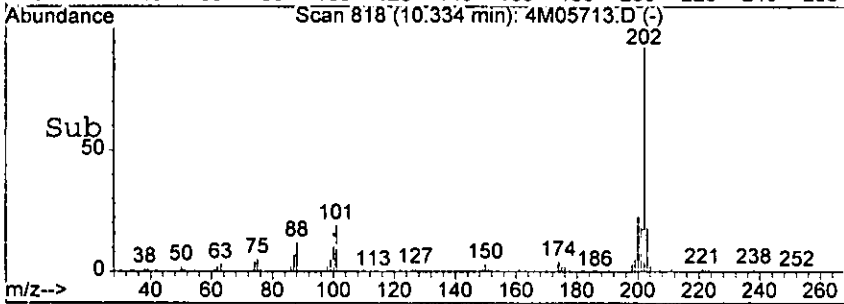
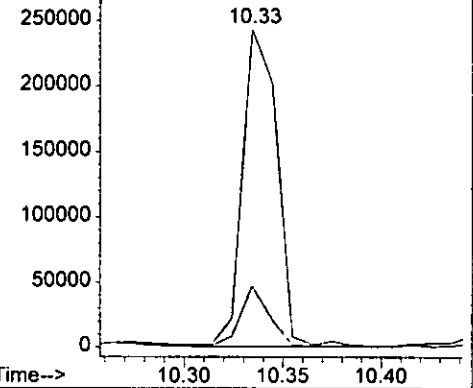
#71
 Fluoranthene
 Concen: 57.68 ng
 RT: 10.33 min Scan# 818
 Delta R.T. 0.01 min
 Lab File: 4M05713.D
 Acq: 18 Aug 2005 17:12

0827

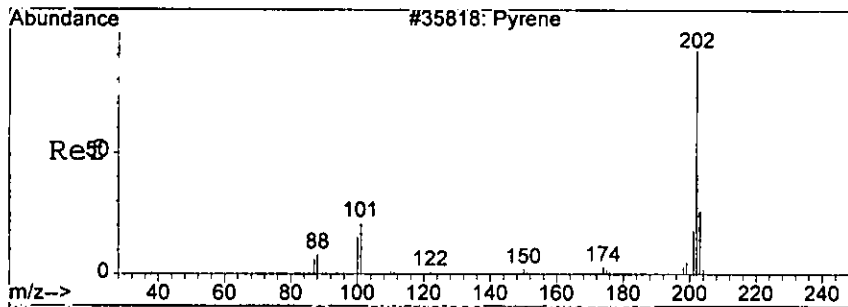
Tgt Ion: 202 Resp: 296254
 Ion Ratio Lower Upper
 202 100
 101 19.1 0.0 58.3



Abundance Ion 202.00 (201.70 to 202.70): 4M0571
 Ion 101.00 (100.70 to 101.70): 4M0571



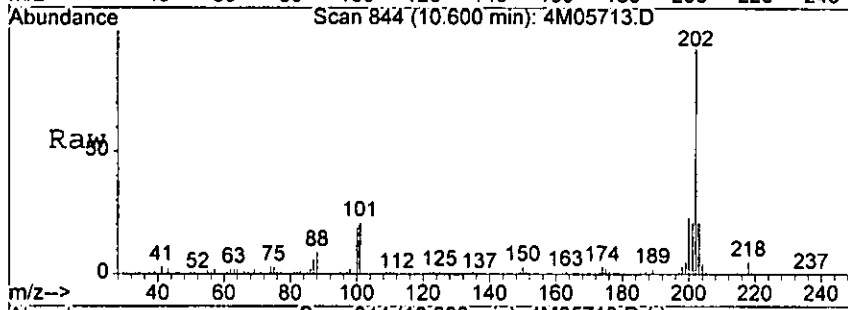
Veror



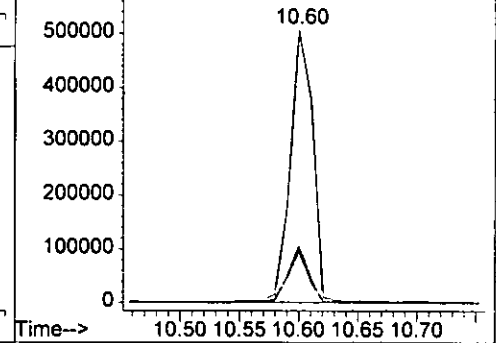
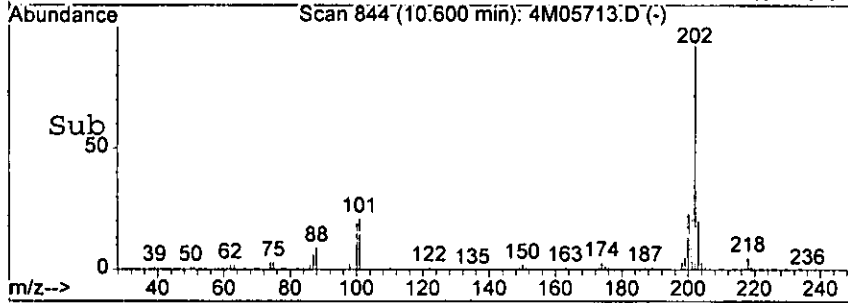
#73
 Pyrene
 Concen: 186.49 ng
 RT: 10.60 min Scan# 844
 Delta R.T. 0.01 min
 Lab File: 4M05713.D
 Acq: 18 Aug 2005 17:12

0828

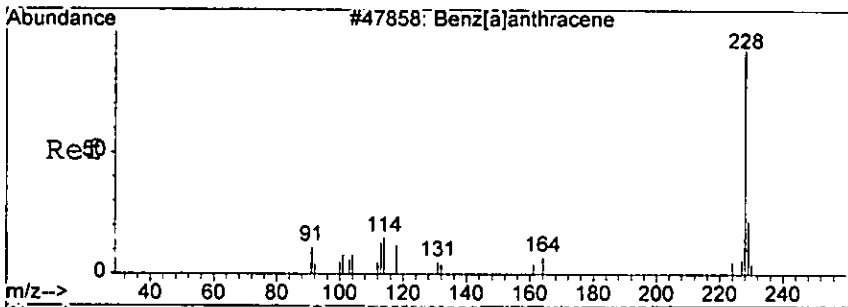
Tgt Ion	Ratio	Lower	Upper
202	100		
101	20.7	0.0	62.7
100	19.1	0.0	60.5



Abundance Ion 202.00 (201.70 to 202.70): 4M05713.D
 Ion 101.00 (100.70 to 101.70): 4M05713.D
 Ion 100.00 (99.70 to 100.70): 4M05713.D



Handwritten signature

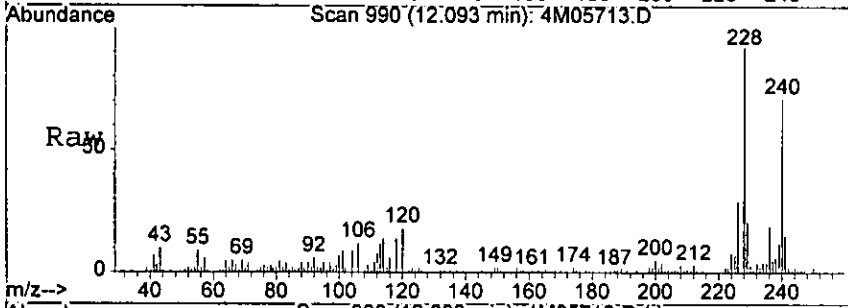


#78
 Benzo[a]anthracene
 Concen: 31.99 ng
 RT: 12.09 min Scan# 990
 Delta R.T. 0.01 min
 Lab File: 4M05713.D
 Acq: 18 Aug 2005 17:12

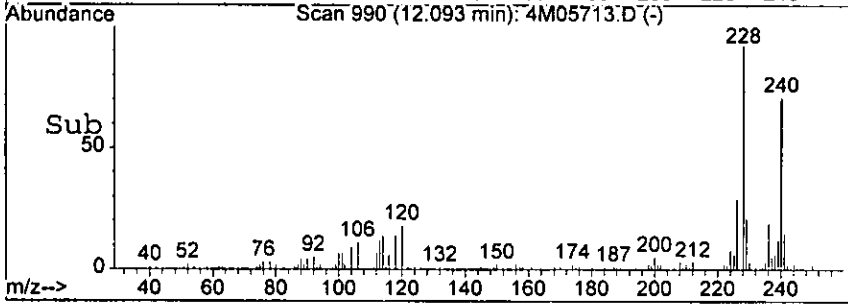
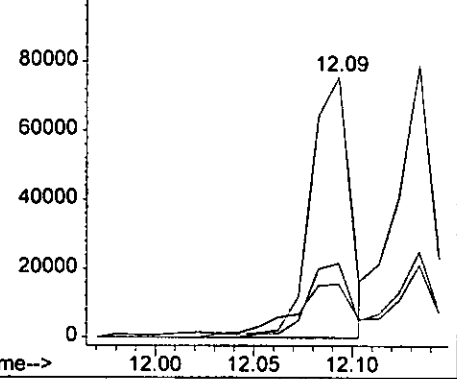
0829

Tgt Ion: 228 Resp: 106277

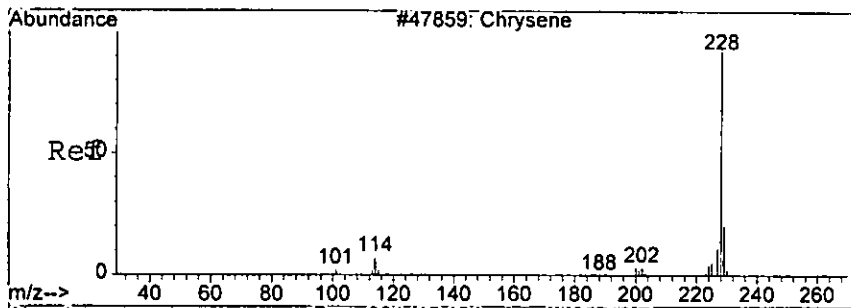
Ion	Ratio	Lower	Upper
228	100		
229	18.9	0.0	60.5
226	28.5	0.0	69.0



Abundance Ion 228.00 (227.70 to 228.70): 4M0571
 Ion 229.00 (228.70 to 229.70): 4M0571
 Ion 226.00 (225.70 to 226.70): 4M0571

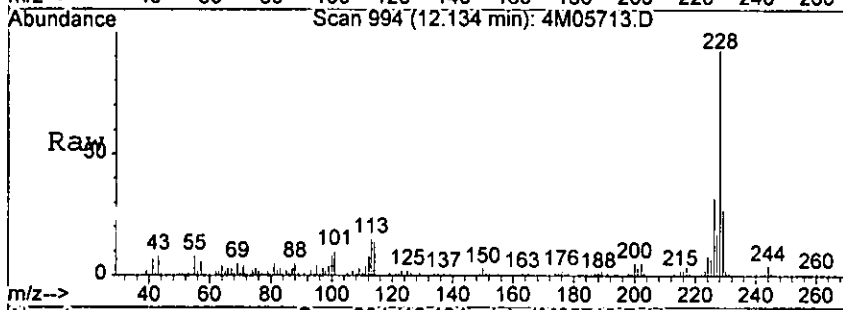


Laar



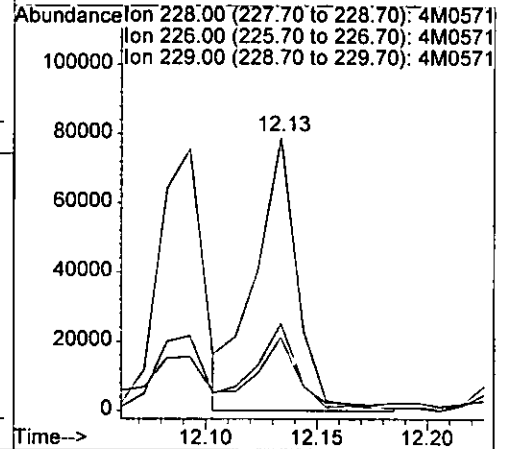
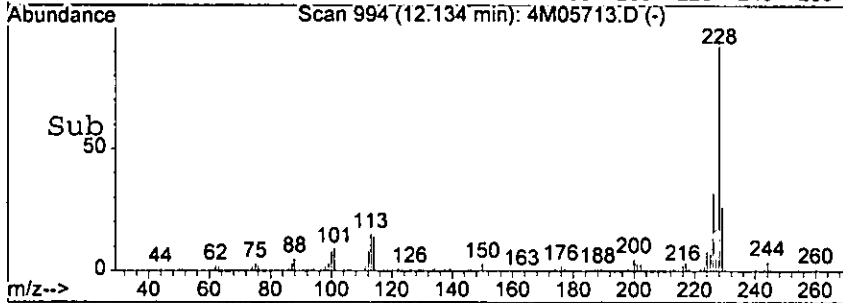
#79
 Chrysene
 Concen: 33.18 ng
 RT: 12.13 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: 4M05713.D
 Acq: 18 Aug 2005 17:12

0830

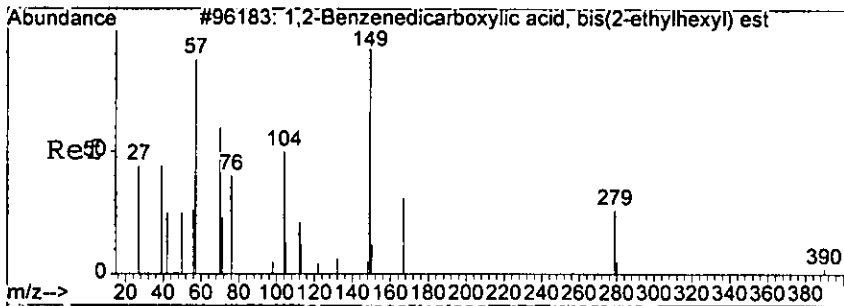


Tgt Ion: 228 Resp: 104862

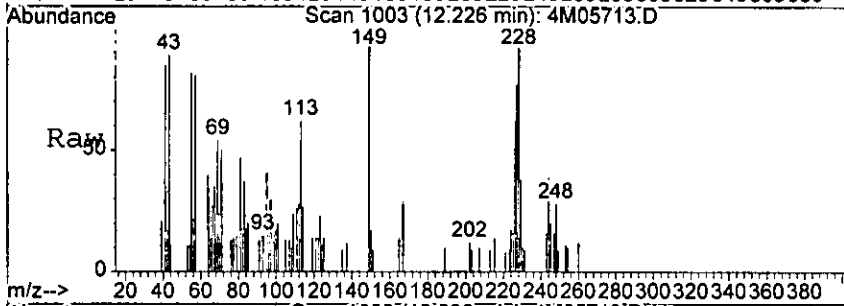
Ion	Ratio	Lower	Upper
228	100		
226	31.0	12.0	52.0
229	24.4	0.0	61.1



Ver

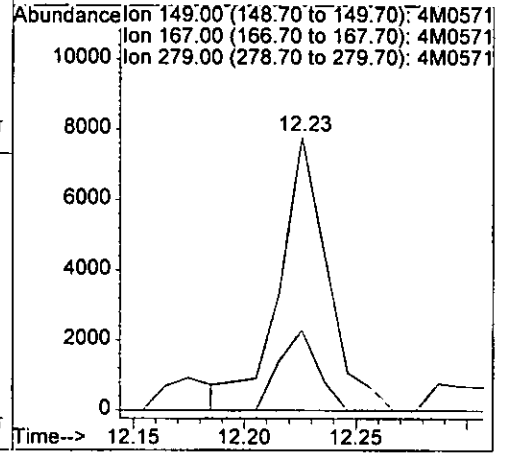
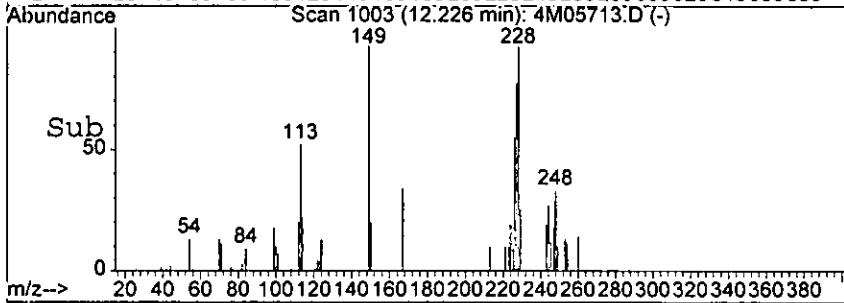


#80
 bis(2-Ethylhexyl)phthalate
 Concen: 4.26 ng
 RT: 12.23 min Scan# 1003
 Delta R.T. -0.00 min
 Lab File: 4M05713.D
 Acq: 18 Aug 2005 17:12

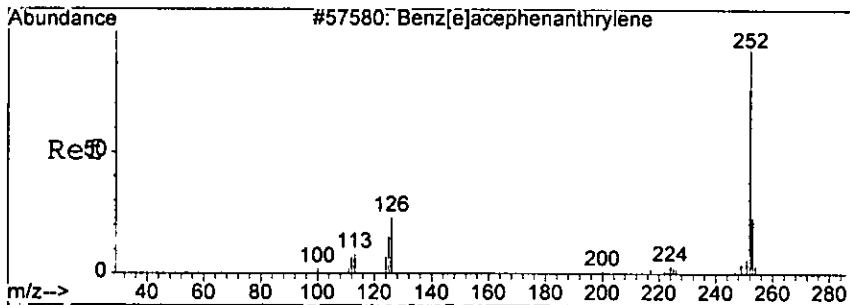


Tgt Ion: 149 Resp: 11619

Ion	Ratio	Lower	Upper
149	100		
167	29.4	0.0	53.9
279	0.0	0.0	43.5



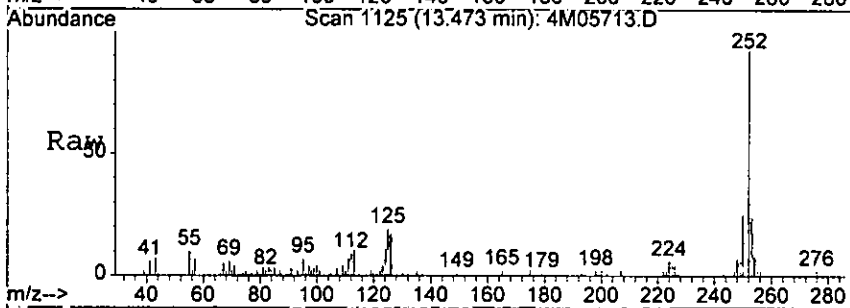
Ugar



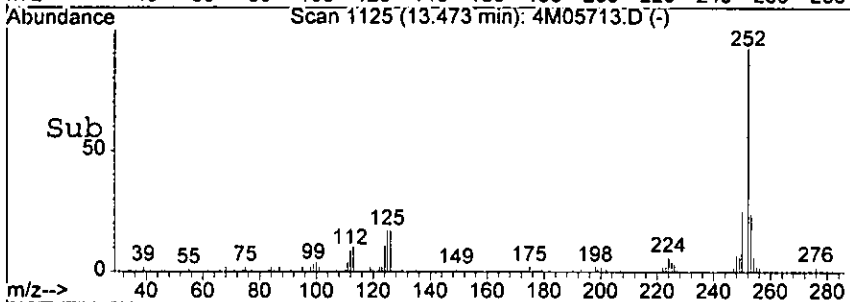
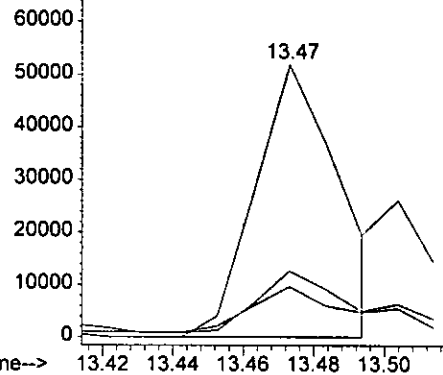
#83
 Benzo [b] fluoranthene
 Concen: 46.39 ng m
 RT: 13.47 min Scan# 1125
 Delta R.T. -0.00 min
 Lab File: 4M05713.D
 Acq: 18 Aug 2005 17:12

0832

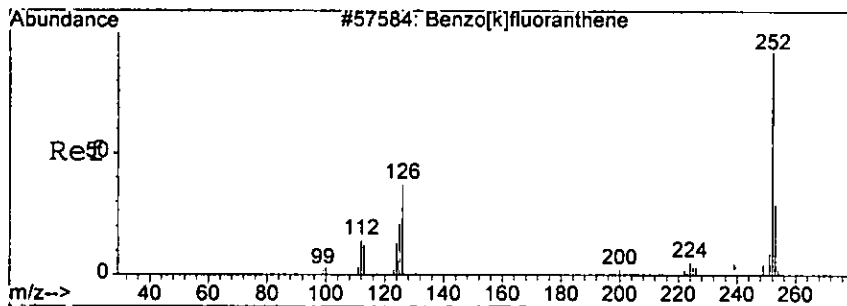
Tgt Ion	252	Resp	85823
Ion Ratio	100	Lower	Upper
252	100		
253	24.3	0.0	63.3
125	18.6	0.0	57.6



Abundance Ion 252.00 (251.70 to 252.70): 4M0571
 Ion 253.00 (252.70 to 253.70): 4M0571
 Ion 125.00 (124.70 to 125.70): 4M0571



Handwritten signature

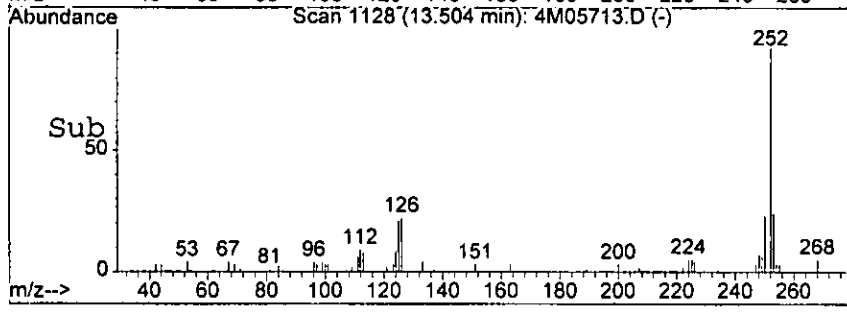
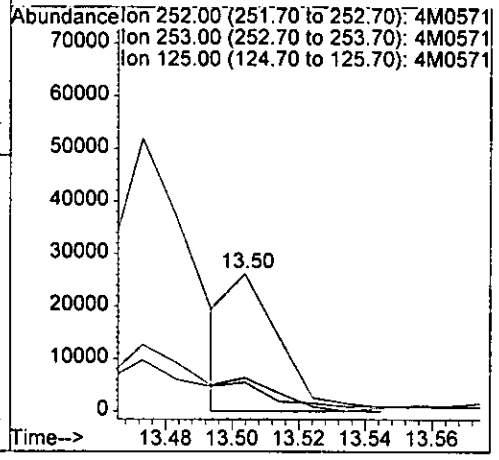
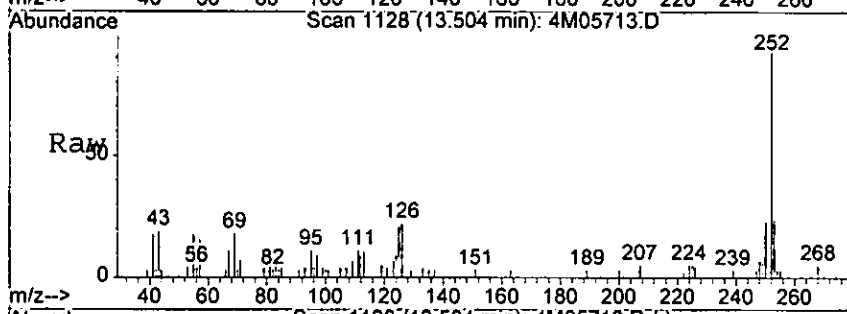


#84
 Benzo [k] fluoranthene
 Concen: 16.83 ng m
 RT: 13.50 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: 4M05713.D
 Acq: 18 Aug 2005 17:12

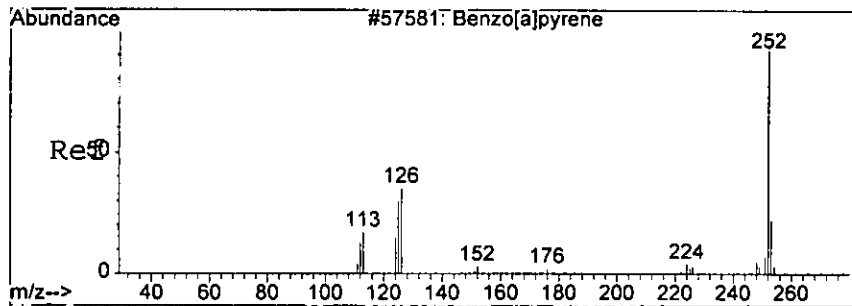
0833

Tgt Ion: 252 Resp: 27735

Ion	Ratio	Lower	Upper
252	100		
253	24.3	0.0	63.5
125	21.0	0.0	53.8

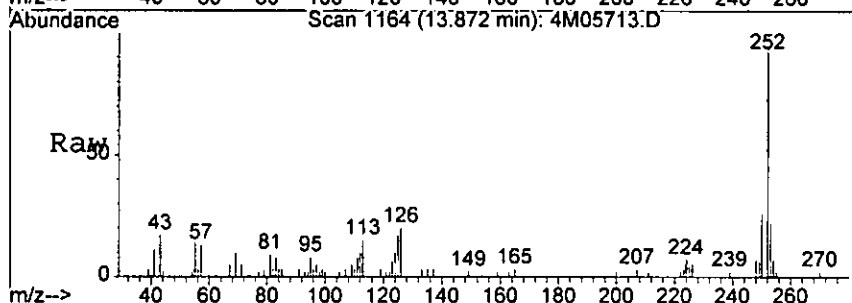


Herer



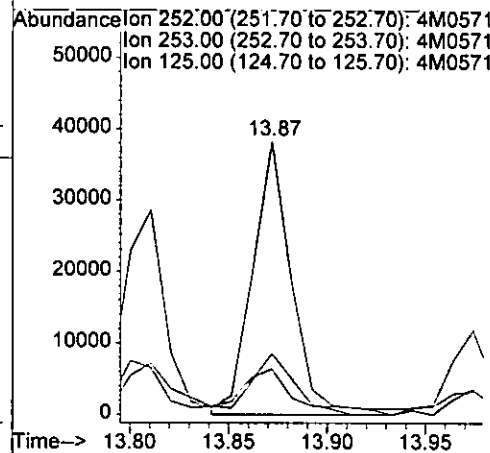
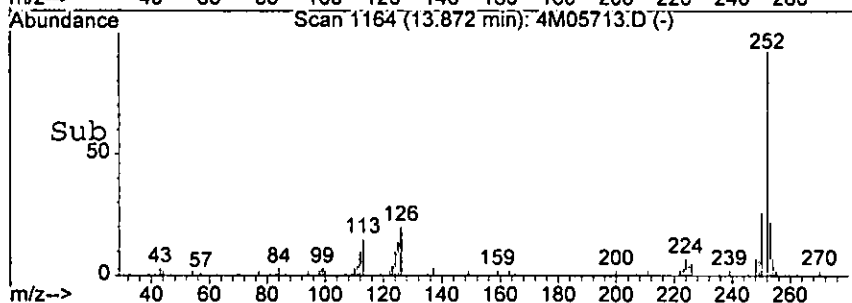
#85
 Benzo[a]pyrene
 Concen: 31.21 ng
 RT: 13.87 min Scan# 1164
 Delta R.T. -0.00 min
 Lab File: 4M05713.D
 Acq: 18 Aug 2005 17:12

0834

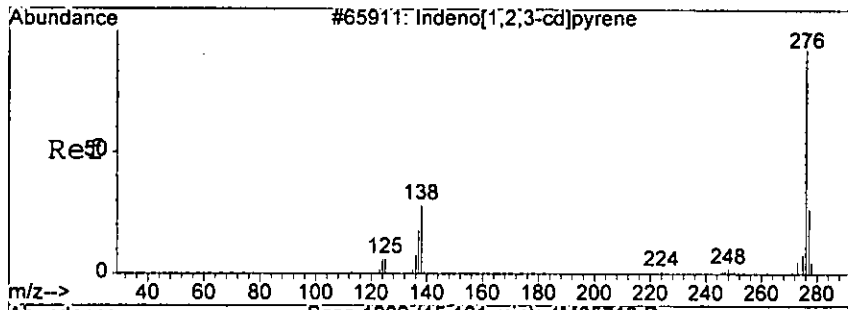


Tgt Ion: 252 Resp: 52089

Ion	Ratio	Lower	Upper
252	100		
253	22.3	0.0	62.9
125	14.4	0.0	57.6

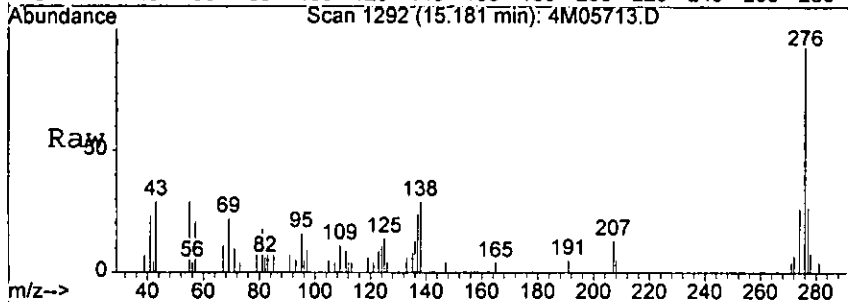


Ver

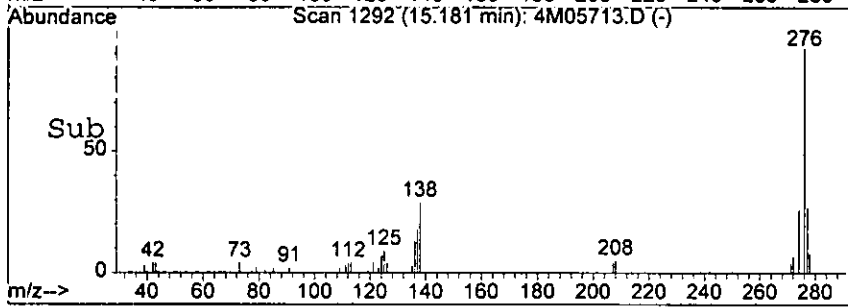
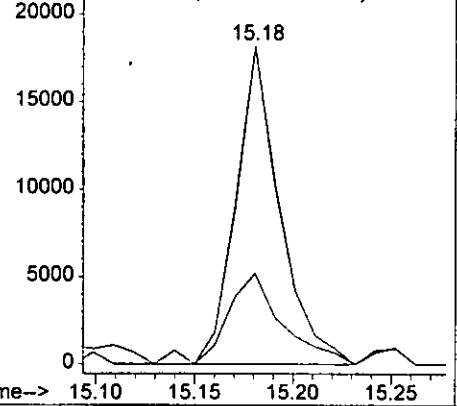


#86
 Indeno[1,2,3-cd]pyrene
 Concen: 14.06 ng
 RT: 15.18 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: 4M05713.D
 Acq: 18 Aug 2005 17:12

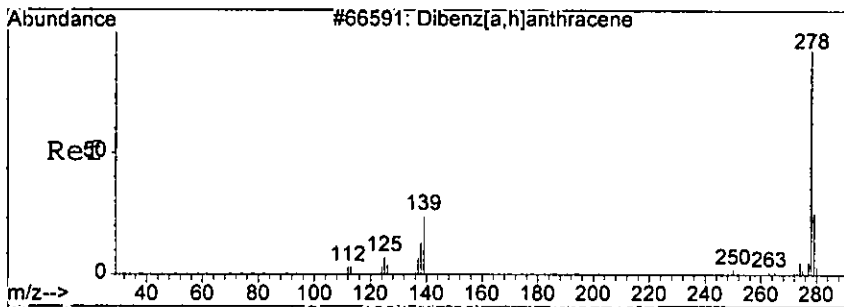
Tgt Ion: 276 Resp: 28159
 Ion Ratio Lower Upper
 276 100
 138 28.6 0.0 73.4



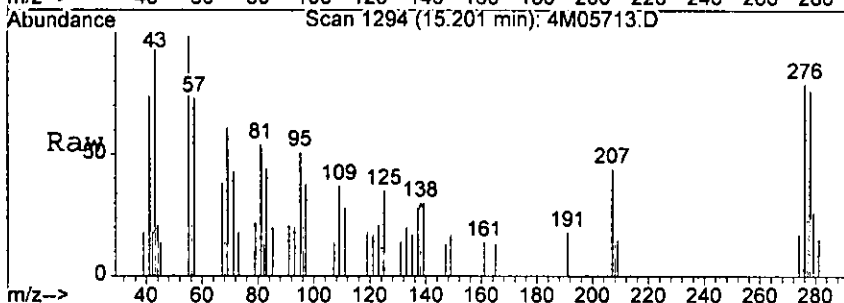
Abundance Ion 276.00 (275.70 to 276.70): 4M05713.D
 Ion 138.00 (137.70 to 138.70): 4M05713.D



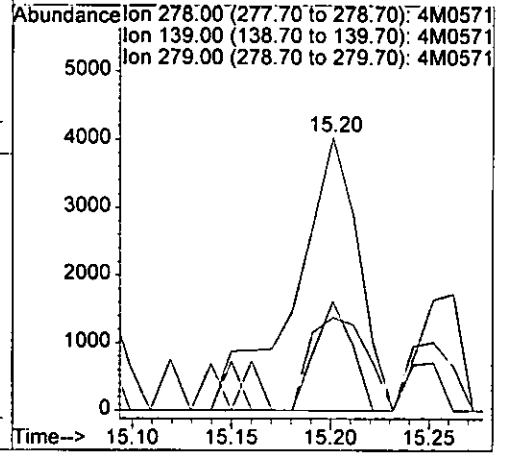
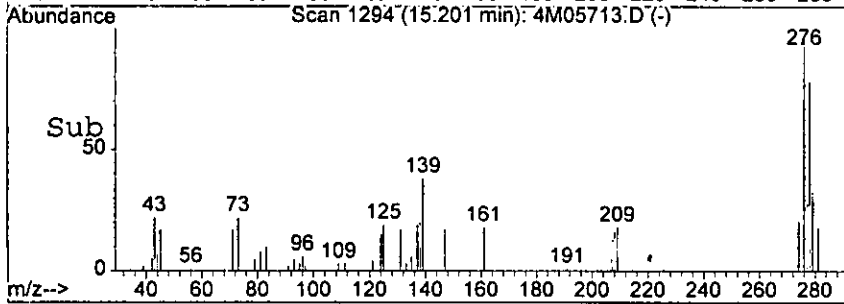
12 or



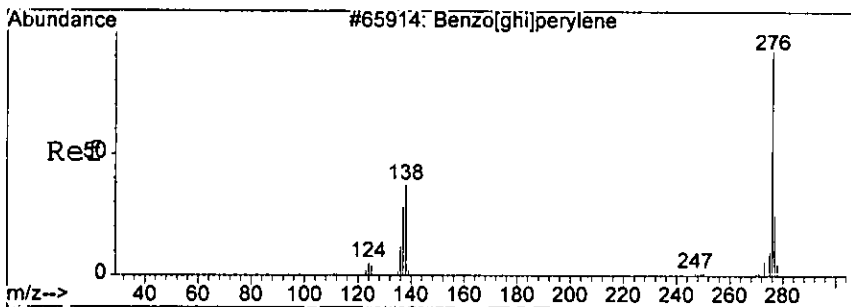
#87
 Dibenzo[a,h]anthracene
 Concen: 5.79 ng
 RT: 15.20 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: 4M05713.D
 Acq: 18 Aug 2005 17:12



Tgt Ion	Ratio	Resp	Lower	Upper
278	100	9056		
139	40.0		0.0	63.8
279	34.1		0.0	64.0

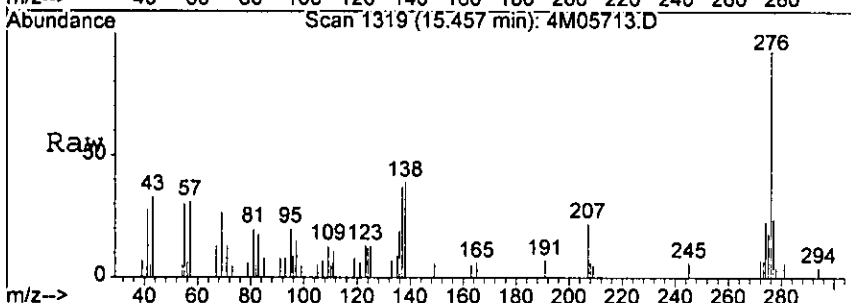


Lea

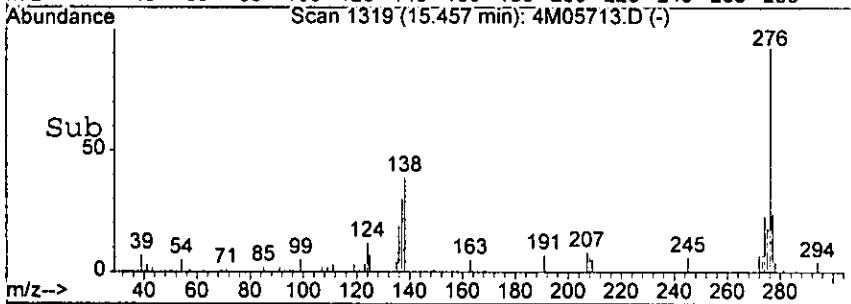
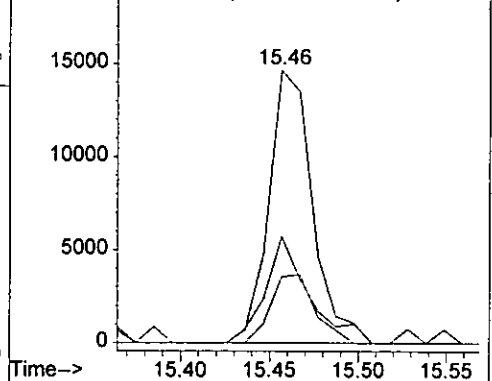


#88
 Benzo[g,h,i]perylene
 Concen: 15.19 ng
 RT: 15.46 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: 4M05713.D
 Acq: 18 Aug 2005 17:12

Tgt Ion	276	138	277
Resp:	25055		
Ion Ratio	100	39.1	24.2
Lower		0.0	0.0
Upper		74.1	65.0



Abundance Ion 276.00 (275.70 to 276.70): 4M0571
 20000 Ion 138.00 (137.70 to 138.70): 4M0571
 Ion 277.00 (276.70 to 277.70): 4M0571



Handwritten signature

Form1

ORGANICS SEMIVOLATILE REPORT

0838

Sample Number: AC19099-018
 Client Id: PCSB - 60 (11)
 Data File: 4M05723.D
 Analysis Date: 08/18/05 21:11
 Date Rec/Extracted: 08/16/05-08/17/05

Matrix: Soil
 Initial Vol: 30g
 Final Vol: 1ml
 Dilution: 1
 Solids: 69

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.013	U	205-99-2	Benzo[b]fluoranthene	0.014	0.18
95-50-1	1,2-Dichlorobenzene	0.022	U	191-24-2	Benzo[g,h,i]perylene	0.0092	0.068
122-66-7	1,2-Diphenylhydrazine	0.014	U	207-08-9	Benzo[k]fluoranthene	0.016	0.072
541-73-1	1,3-Dichlorobenzene	0.020	U	111-91-1	bis(2-Chloroethoxy)methan	0.011	U
106-46-7	1,4-Dichlorobenzene	0.025	U	111-44-4	bis(2-Chloroethyl)ether	0.026	U
95-95-4	2,4,5-Trichlorophenol	0.65	U	108-60-1	bis(2-chloroisopropyl)ether	0.016	U
88-06-2	2,4,6-Trichlorophenol	1.2	U	117-81-7	bis(2-Ethylhexyl)phthalat	0.044	0.11
120-83-2	2,4-Dichlorophenol	0.078	U	85-68-7	Butylbenzylphthalate	0.019	U
105-67-9	2,4-Dimethylphenol	0.067	U	86-74-8	Carbazole	0.014	U
51-28-5	2,4-Dinitrophenol	0.33	U	218-01-9	Chrysene	0.010	0.17
121-14-2	2,4-Dinitrotoluene	0.018	U	84-74-2	Di-n-butylphthalate	0.011	U
606-20-2	2,6-Dinitrotoluene	0.020	U	117-84-0	Di-n-octylphthalate	0.011	U
91-58-7	2-Chloronaphthalene	0.013	U	53-70-3	Dibenzo[a,h]anthracene	0.017	U
95-57-8	2-Chlorophenol	0.099	U	132-64-9	Dibenzofuran	0.061	U
91-57-6	2-Methylnaphthalene	0.062	0.059 J	84-66-2	Diethylphthalate	0.013	0.050
95-48-7	2-Methylphenol	0.23	U	131-11-3	Dimethylphthalate	0.011	U
88-74-4	2-Nitroaniline	0.034	U	206-44-0	Fluoranthene	0.014	0.28
88-75-5	2-Nitrophenol	0.056	U	86-73-7	Fluorene	0.012	0.081
106-44-5	3&4-Methylphenol	0.26	U	118-74-1	Hexachlorobenzene	0.022	U
91-94-1	3,3'-Dichlorobenzidine	0.11	U	87-68-3	Hexachlorobutadiene	0.020	U
99-09-2	3-Nitroaniline	0.20	U	77-47-4	Hexachlorocyclopentadiene	0.13	U
534-52-1	4,6-Dinitro-2-methylphenol	0.092	U	67-72-1	Hexachloroethane	0.036	U
101-55-3	4-Bromophenyl-phenylether	0.019	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.0067	0.060
59-50-7	4-Chloro-3-methylphenol	0.12	U	78-59-1	Isophorone	0.015	U
106-47-8	4-Chloroaniline	0.37	U	621-64-7	N-Nitroso-di-n-propylamine	0.023	U
7005-72-3	4-Chlorophenyl-phenylether	0.022	U	62-75-9	N-Nitrosodimethylamine	0.57	U
100-01-6	4-Nitroaniline	0.12	U	86-30-6	n-Nitrosodiphenylamine	0.023	U
100-02-7	4-Nitrophenol	0.086	U	91-20-3	Naphthalene	0.011	0.14
83-32-9	Acenaphthene	0.020	0.063	98-95-3	Nitrobenzene	0.019	U
208-96-8	Acenaphthylene	0.011	U	87-86-5	Pentachlorophenol	0.060	U
120-12-7	Anthracene	0.013	0.073	85-01-8	Phenanthrene	0.011	0.19
92-87-5	Benzidine	0.11	U	108-95-2	Phenol	0.074	U
56-55-3	Benzo[a]anthracene	0.0084	0.13	129-00-0	Pyrene	0.011	0.52
50-32-8	Benzo[a]pyrene	0.011	0.14				

Worksheet #: 18797

Total Target Concentration 2.386

U - Indicates the compound was analyzed but not detected.
 B - Indicates the analyte was found in the blank as well as in the sample.
 E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
 J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

625

Data File : G:\GcMsData\2005\Gcms_4\Data\08-18-05\4M05723.D Vial: 625
 Acq On : 18 Aug 2005 21:11 Operator: AHD
 Sample : AC19099-018 Inst : GCMS_4
 Misc : S,BNA Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:43 2005 Quant Results File: 4M_0818.RES

Quant Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
 Title : @GCMS_4,mg,625,8270
 Last Update : Thu Aug 18 14:49:57 2005
 Response via : Initial Calibration
 DataAcq Meth : 4M_0818

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.79	152	63787	40.00	ng	0.00
19) Naphthalene-d8	5.78	136	213044	40.00	ng	0.00
35) Acenaphthene-d10	7.32	164	119851	40.00	ng	0.00
59) Phenanthrene-d10	8.92	188	200201	40.00	ng	0.00
72) Chrysene-d12	12.11	240	85667	40.00	ng	0.02
81) Perylene-d12	13.95	264	45361	40.00	ng	0.02

System Monitoring Compounds

4) 2-Fluorophenol	3.62	112	252049	142.87	ng	0.00
Spiked Amount	200.000		Recovery	=	71.44%	
7) Phenol-d5	4.51	99	365937	164.22	ng	0.00
Spiked Amount	200.000		Recovery	=	82.11%	
20) Nitrobenzene-d5	5.23	128	76220	77.39	ng	0.00
Spiked Amount	100.000		Recovery	=	77.39%	
40) 2-Fluorobiphenyl	6.69	172	283328	74.84	ng	0.00
Spiked Amount	100.000		Recovery	=	74.84%	
62) 2,4,6-Tribromophenol	8.15	332	137031	169.06	ng	0.00
Spiked Amount	200.000		Recovery	=	84.53%	
75) Terphenyl-d14	10.82	244	252742	125.63	ng	0.00
Spiked Amount	100.000		Recovery	=	125.63%	

Target Compounds

						Qvalue
29) Naphthalene	5.79	128	14664	2.90	ng	76
33) 2-Methylnaphthalene	6.36	142	4214	1.23	ng	77
49) Acenaphthene	7.35	153	4313	1.30	ng	90
55) Fluorene	7.90	166	5995	1.67	ng	87
57) Diethylphthalate	7.79	149	4417	1.03	ng	83
67) Phenanthrene	8.95	178	20709	3.97	ng	98
68) Anthracene	9.00	178	7926	1.51	ng	89
71) Fluoranthene	10.34	202	32300	5.72	ng	89
73) Pyrene	10.60	202	31857	10.85	ng	98
78) Benzo[a]anthracene	12.09	228	7476	2.79	ng	86
79) Chrysene	12.14	228	8776	3.44	ng	95
80) bis(2-Ethylhexyl)phthalate	12.23	149	5097	2.31	ng	98
83) Benzo[b]fluoranthene	13.48	252	6043m	3.63	ng	
84) Benzo[k]fluoranthene	13.51	252	2215m	1.49	ng	
85) Benzo[a]pyrene	13.88	252	4315	2.87	ng	92
86) Indeno[1,2,3-cd]pyrene	15.19	276	2243	1.24	ng	41
88) Benzo[g,h,i]perylene	15.47	276	2096	1.41	ng	65

herar

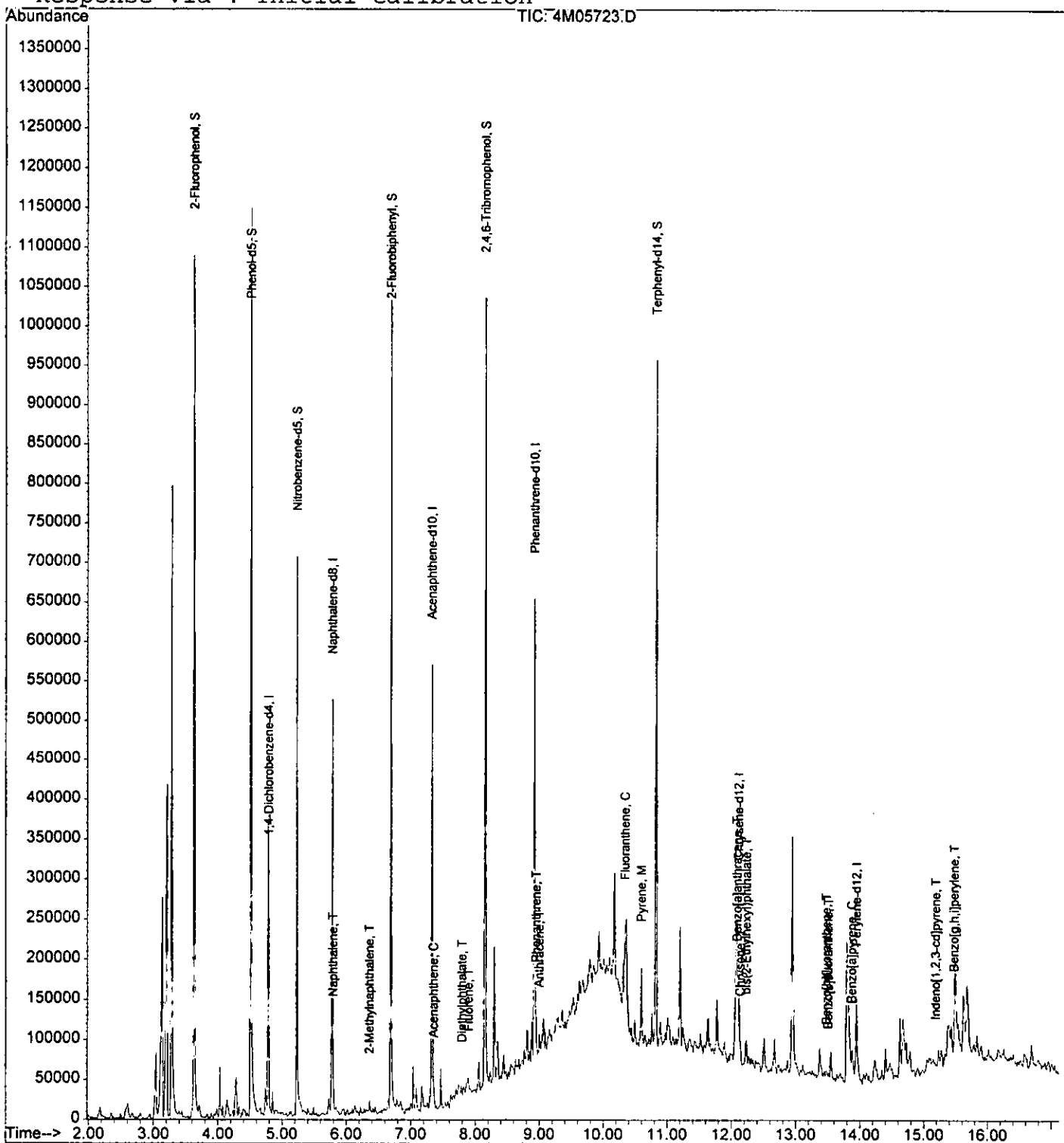
(#) = qualifier out of range (m) = manual integration

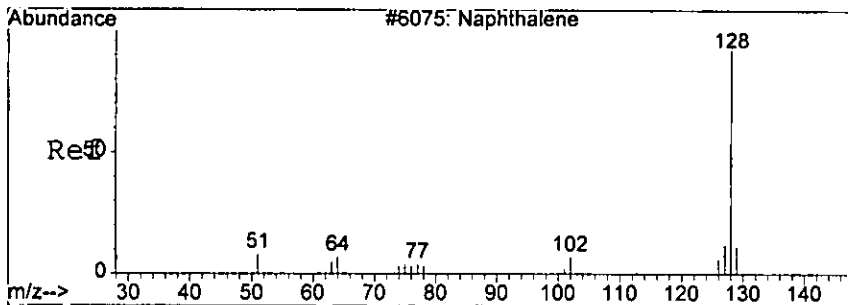
Quantitation Report

Data File : G:\GcMsData\2005\Gcms_4\Data\08-18-05\4M05723.D Vial: 25
Acq On : 18 Aug 2005 21:11 Operator: AHD
Sample : AC19099-018 Inst : GCMS_4
Misc : S,BNA Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 29 16:43 2005

Quant Results File: 4M_0818.RES

Method : G:\GCMSDATA\2005\GCMS_4\METHODS\4M_0818.M (RTE Integrator)
Title : @GCMS_4,mg,625,8270
Last Update : Thu Aug 18 14:49:57 2005
Response via : Initial Calibration



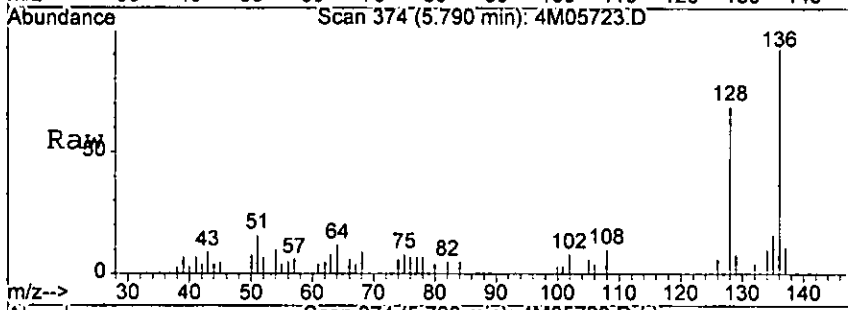


#29
 Naphthalene
 Concen: 2.90 ng
 RT: 5.79 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: 4M05723.D
 Acq: 18 Aug 2005 21:11

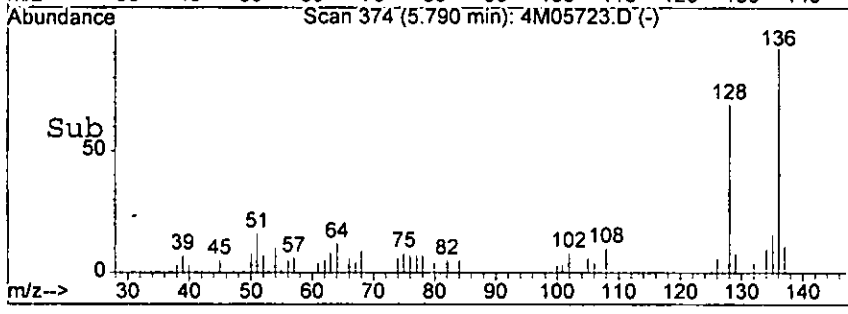
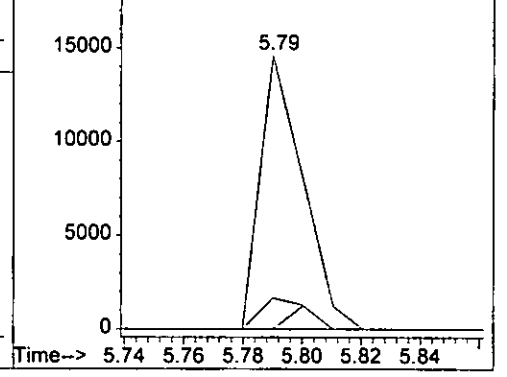
1780

Tgt Ion: 128 Resp: 14664

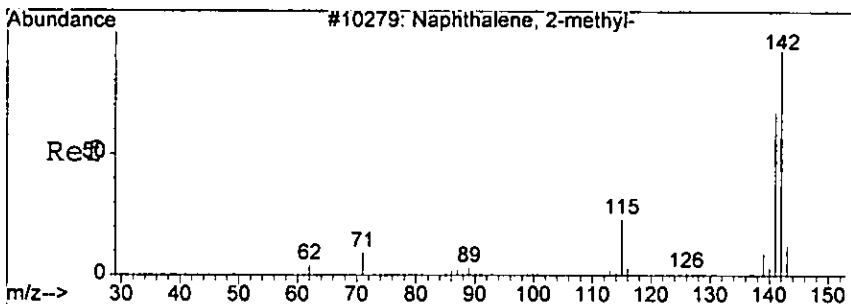
Ion	Ratio	Lower	Upper
128	100		
129	11.4	0.0	51.8
127	0.0	0.0	57.0



Abundance Ion 128.00 (127.70 to 128.70): 4M0572
 20000 Ion 129.00 (128.70 to 129.70): 4M0572
 Ion 127.00 (126.70 to 127.70): 4M0572



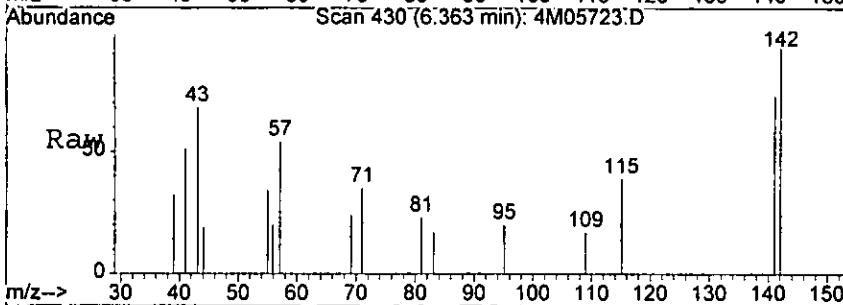
hair



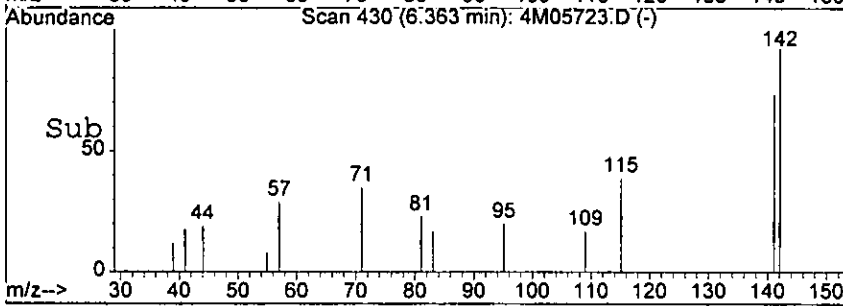
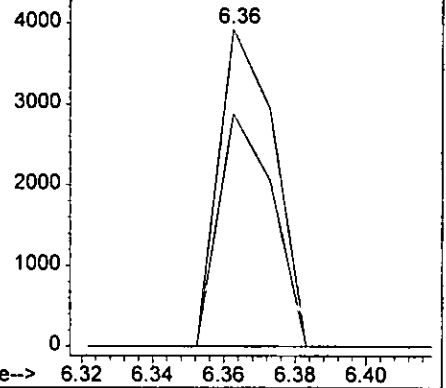
#33
 2-Methylnaphthalene
 Concen: 1.23 ng
 RT: 6.36 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: 4M05723.D
 Acq: 18 Aug 2005 21:11

2788

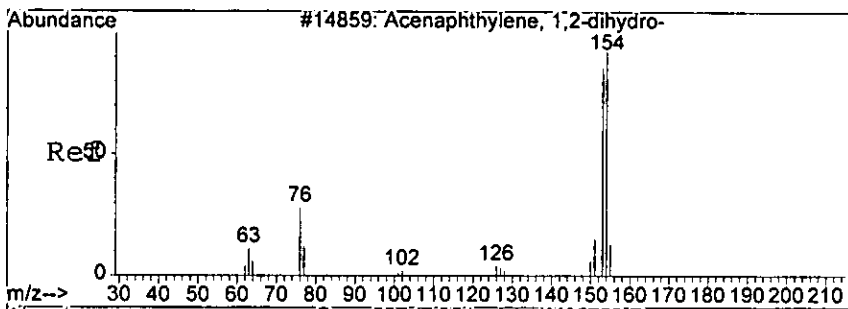
Tgt Ion:142 Resp: 4214
 Ion Ratio Lower Upper
 142 100
 141 73.5 55.7 135.7



Abundance Ion 142.00 (141.70 to 142.70): 4M0572
 Ion 141.00 (140.70 to 141.70): 4M0572



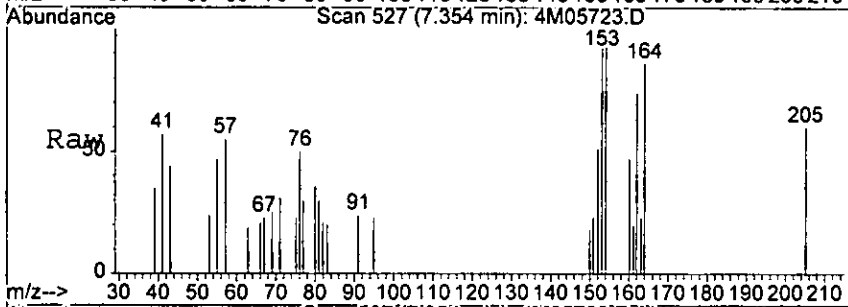
1820



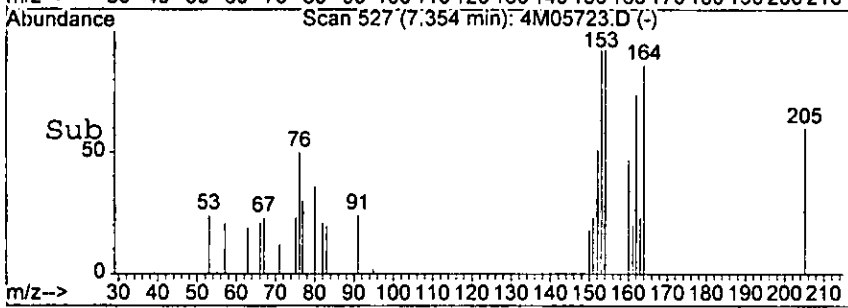
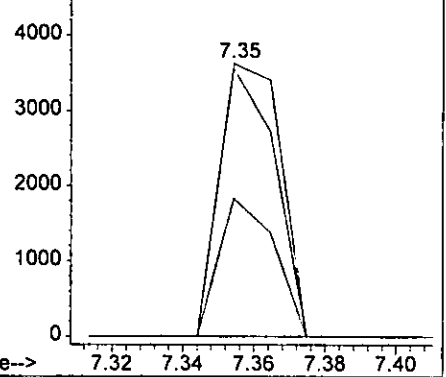
#49
Acenaphthene
Concen: 1.30 ng
RT: 7.35 min Scan# 527
Delta R.T. -0.00 min
Lab File: 4M05723.D
Acq: 18 Aug 2005 21:11

873

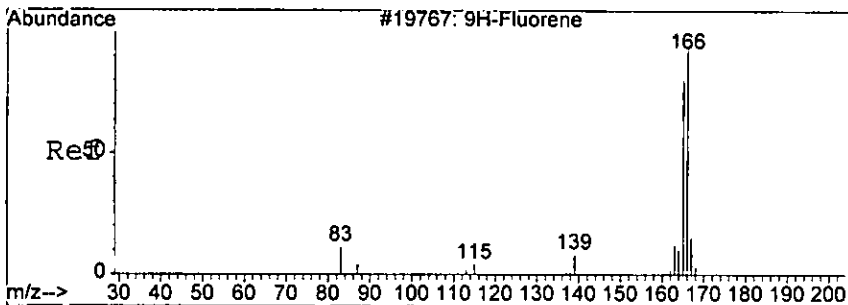
Tgt Ion	Resp	Lower	Upper
153	4313		
153	100		
152	50.5	8.3	88.3
154	98.3	45.1	125.1



Abundance Ion 153.00 (152.70 to 153.70): 4M0572
Ion 152.00 (151.70 to 152.70): 4M0572
Ion 154.00 (153.70 to 154.70): 4M0572



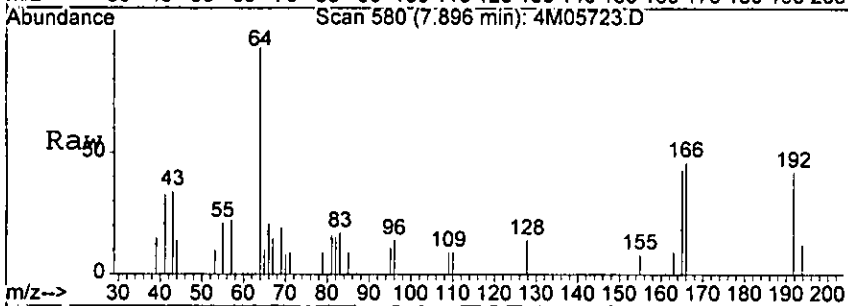
lear



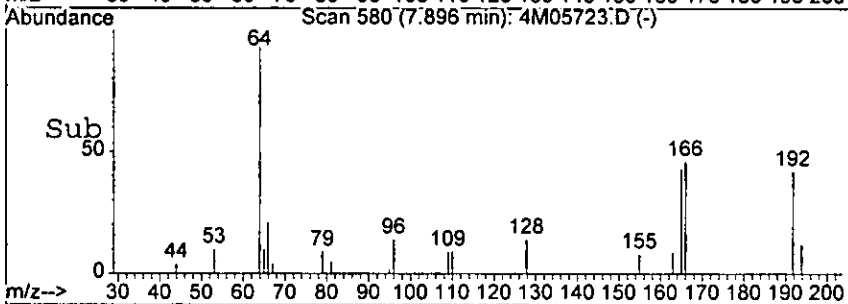
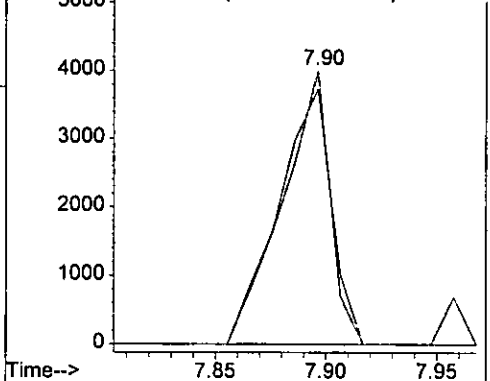
#55
 Fluorene
 Concen: 1.67 ng
 RT: 7.90 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: 4M05723.D
 Acq: 18 Aug 2005 21:11

884

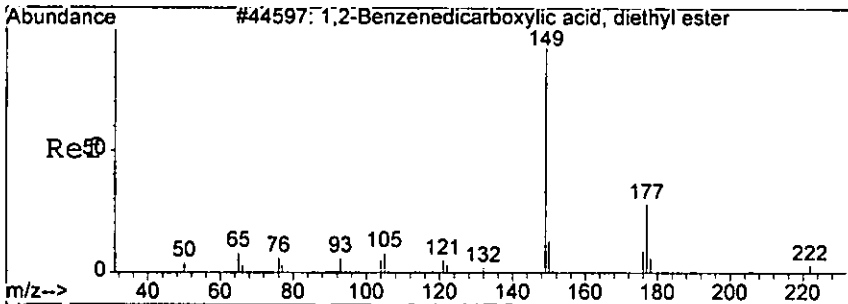
Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.4	63.3	143.3
167	0.0	0.0	54.6



Abundance Ion 166.00 (165.70 to 166.70): 4M0572
 Ion 165.00 (164.70 to 165.70): 4M0572
 Ion 167.00 (166.70 to 167.70): 4M0572



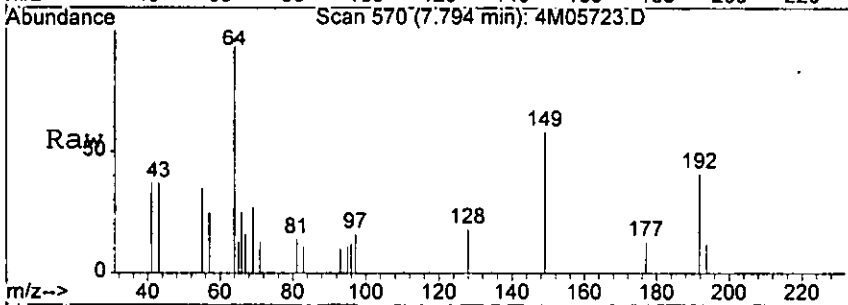
Ver



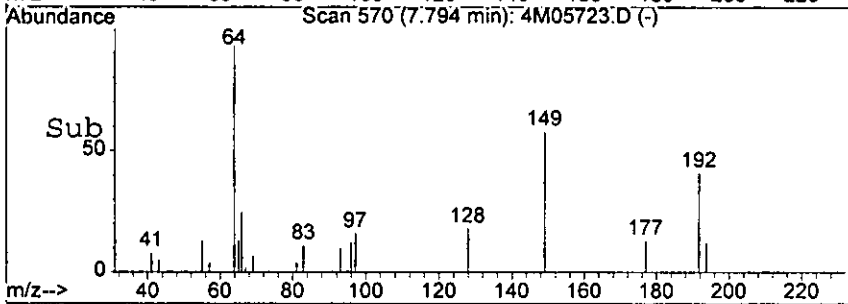
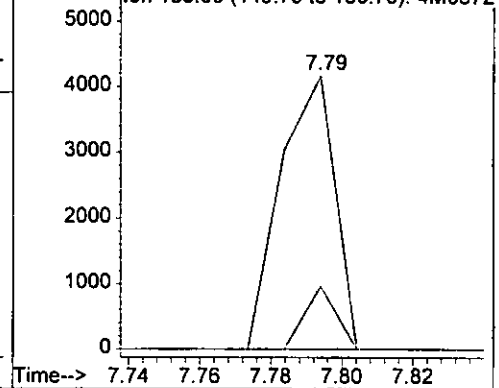
#57
 Diethylphthalate
 Concen: 1.03 ng
 RT: 7.79 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: 4M05723.D
 Acq: 18 Aug 2005 21:11

0845

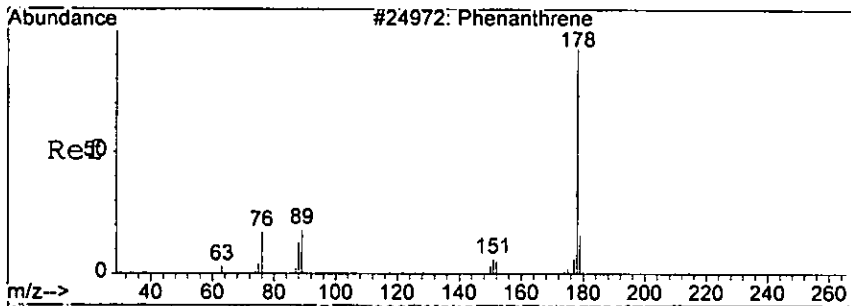
Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.2	0.0	59.8
150	0.0	0.0	52.2



Abundance Ion 149.00 (148.70 to 149.70): 4M0572
 Ion 177.00 (176.70 to 177.70): 4M0572
 Ion 150.00 (149.70 to 150.70): 4M0572

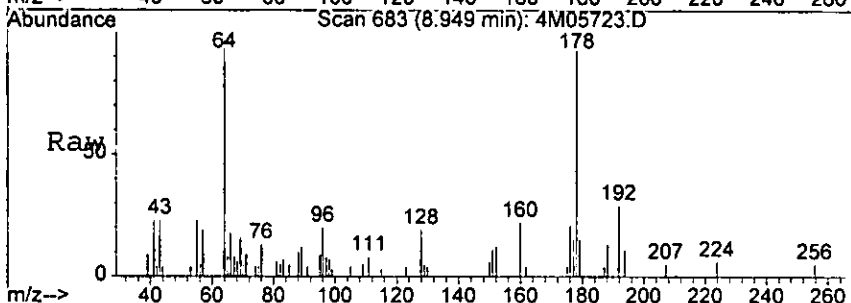


Ucar



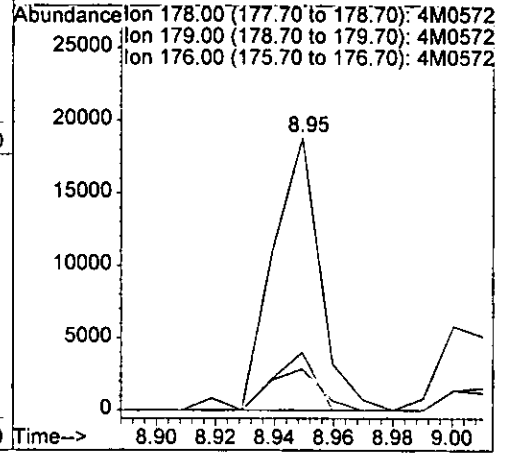
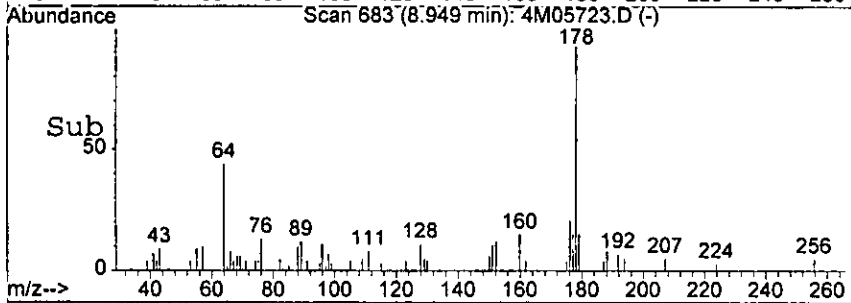
#67
 Phenanthrene
 Concen: 3.97 ng
 RT: 8.95 min Scan# 683
 Delta R.T. 0.01 min
 Lab File: 4M05723.D
 Acq: 18 Aug 2005 21:11

0845

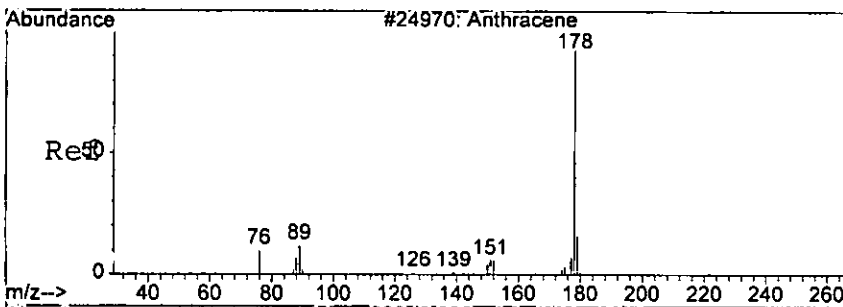


Tgt Ion: 178 Resp: 20709

Ion	Ratio	Lower	Upper
178	100		
179	15.2	0.0	56.6
176	21.3	0.0	60.5

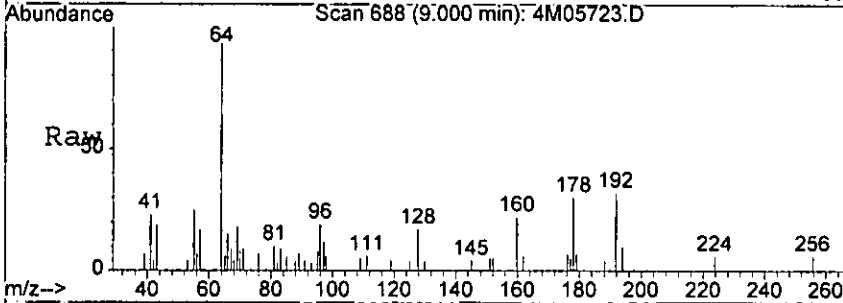


Clear

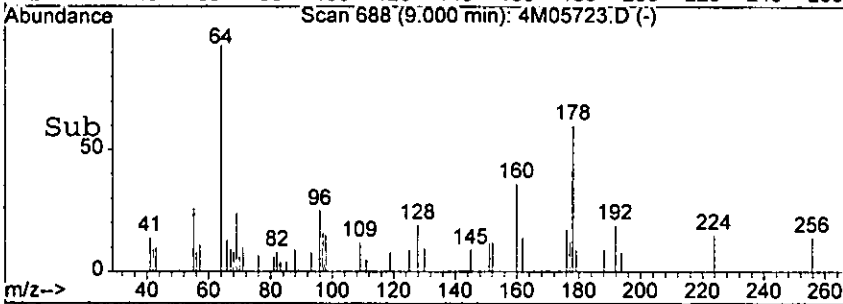


#68
 Anthracene
 Concen: 1.51 ng
 RT: 9.00 min Scan# 688
 Delta R.T. -0.00 min
 Lab File: 4M05723.D
 Acq: 18 Aug 2005 21:11

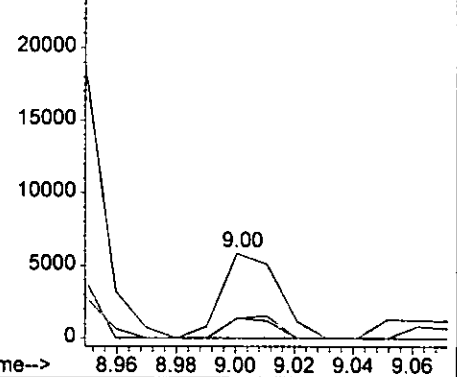
0847



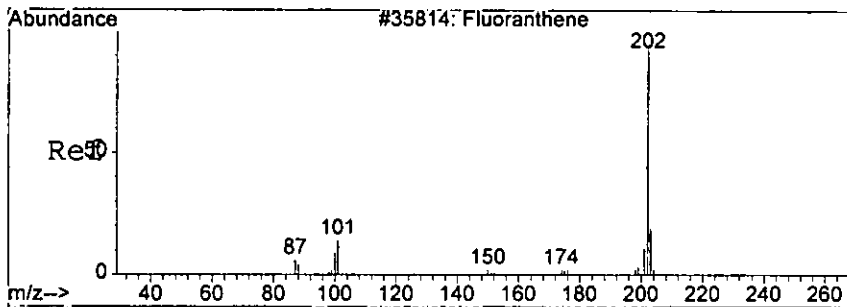
Tgt Ion	Resp	Lower	Upper
178	7926	100	
179	23.8	0.0	56.6
176	23.4	0.0	60.2



Abundance Ion 178.00 (177.70 to 178.70): 4M0572
 Ion 179.00 (178.70 to 179.70): 4M0572
 Ion 176.00 (175.70 to 176.70): 4M0572



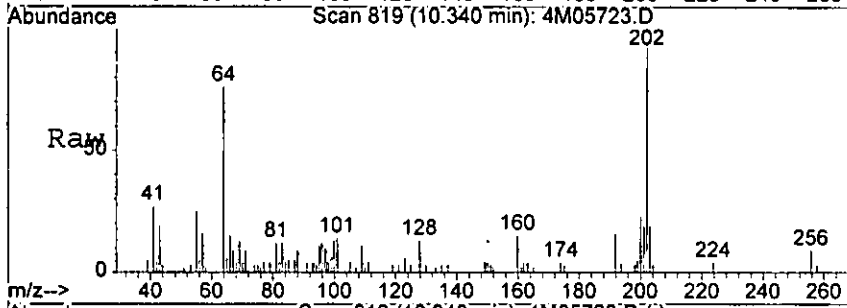
Handwritten signature



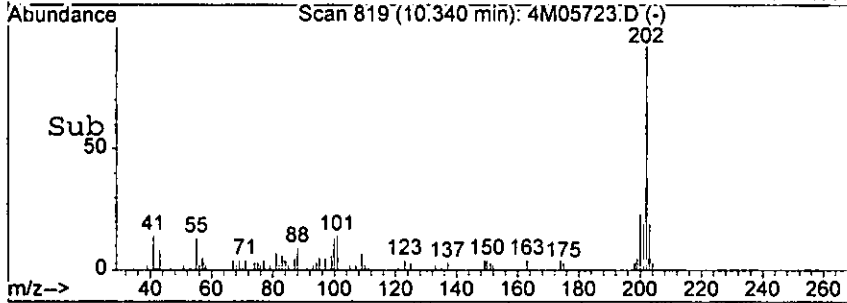
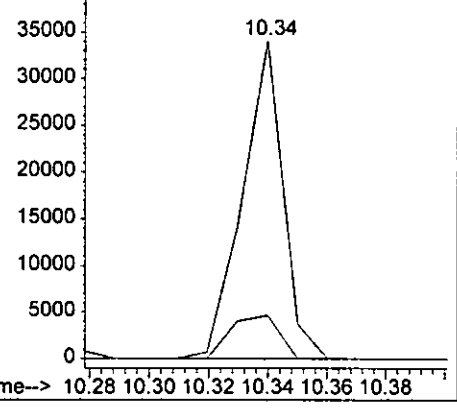
#71
 Fluoranthene
 Concen: 5.72 ng
 RT: 10.34 min Scan# 819
 Delta R.T. 0.02 min
 Lab File: 4M05723.D
 Acq: 18 Aug 2005 21:11

0848

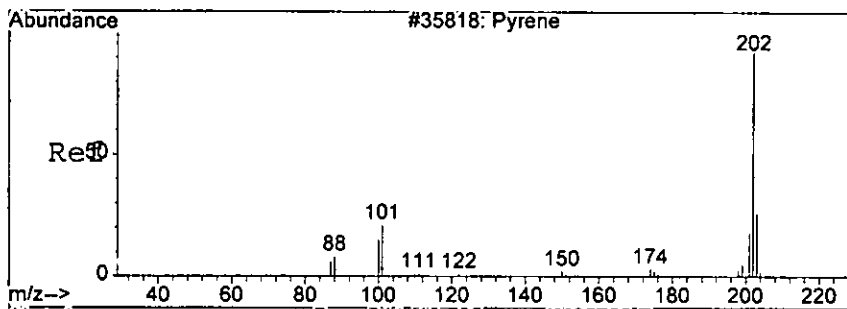
Tgt Ion: 202 Resp: 32300
 Ion Ratio Lower Upper
 202 100
 101 13.6 0.0 58.3



Abundance Ion 202.00 (201.70 to 202.70): 4M0572
 Ion 101.00 (100.70 to 101.70): 4M0572

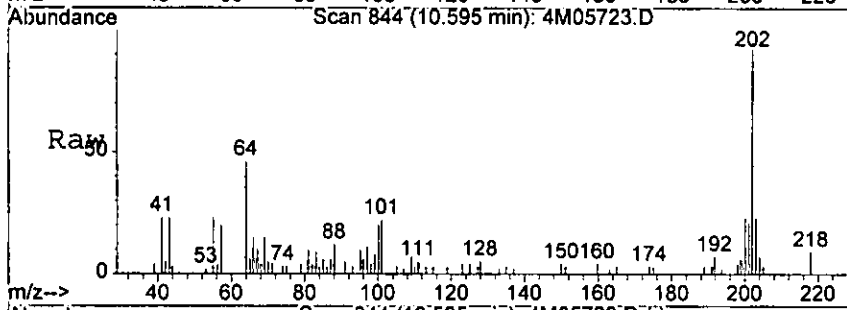


Usar

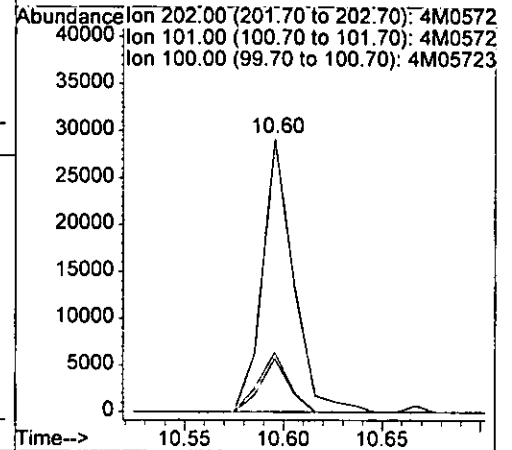
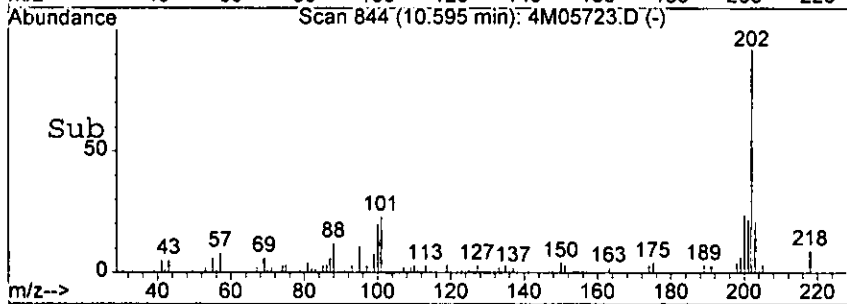


#73
 Pyrene
 Concen: 10.85 ng
 RT: 10.60 min Scan# 844
 Delta R.T. 0.01 min
 Lab File: 4M05723.D
 Acq: 18 Aug 2005 21:11

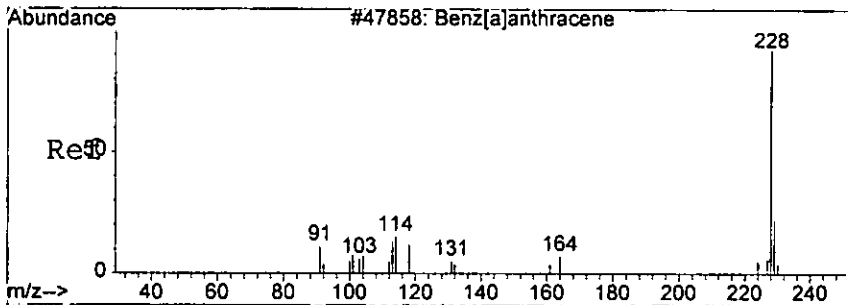
5730



Tgt Ion	Resp	Lower	Upper
202	31857	100	100
101	21.8	0.0	62.7
100	19.5	0.0	60.5



Handwritten signature

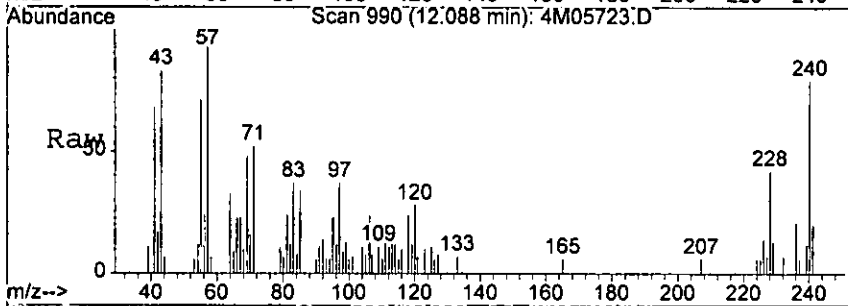


#78
 Benzo[a]anthracene
 Concen: 2.79 ng
 RT: 12.09 min Scan# 990
 Delta R.T. 0.01 min
 Lab File: 4M05723.D
 Acq: 18 Aug 2005 21:11

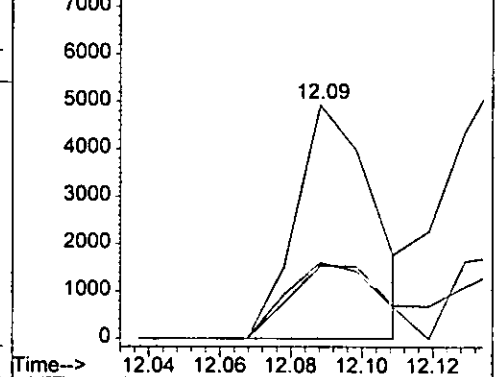
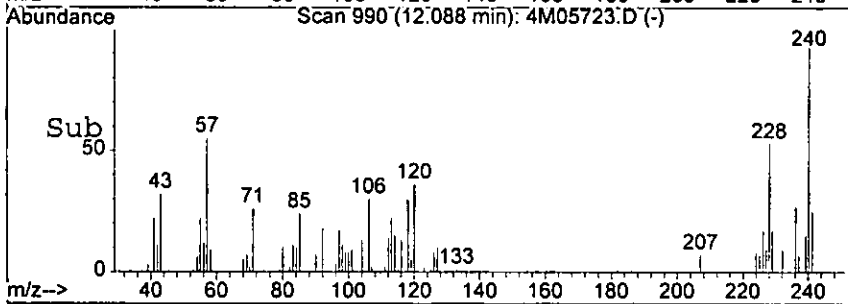
0858

Tgt Ion: 228 Resp: 7476

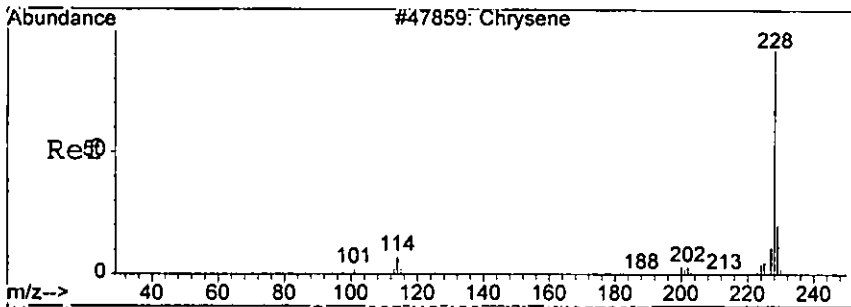
Ion	Ratio	Lower	Upper
228	100		
229	31.4	0.0	60.5
226	32.5	0.0	69.0



Abundance Ion 228.00 (227.70 to 228.70): 4M0572
 Ion 229.00 (228.70 to 229.70): 4M0572
 Ion 226.00 (225.70 to 226.70): 4M0572

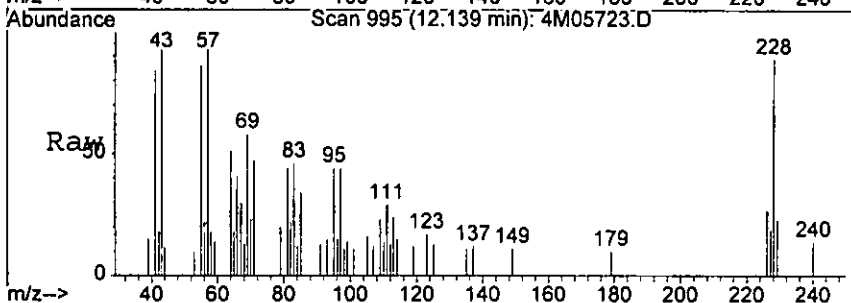


14829f



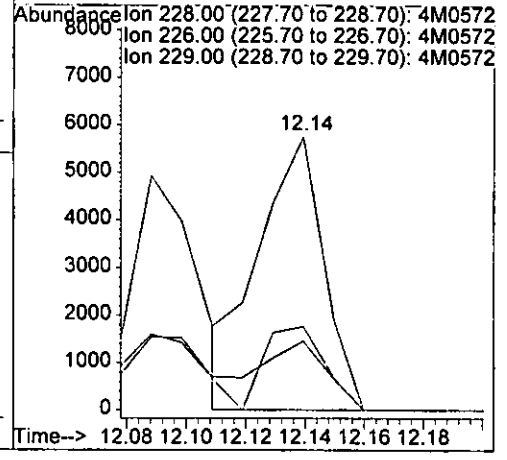
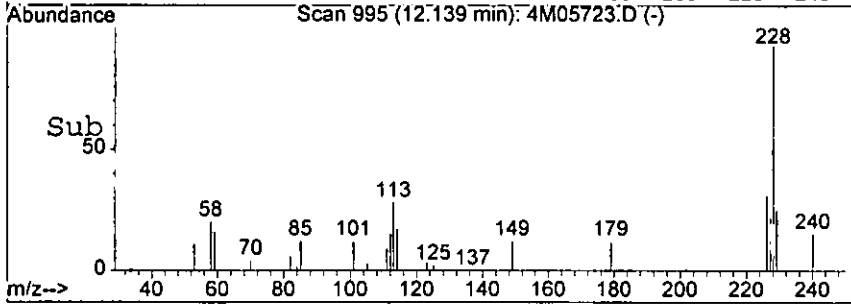
#79
 Chrysene
 Concen: 3.44 ng
 RT: 12.14 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: 4M05723.D
 Acq: 18 Aug 2005 21:11

1588

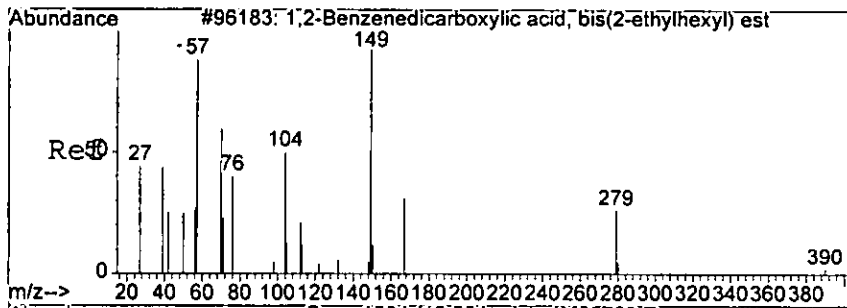


Tgt Ion: 228 Resp: 8776

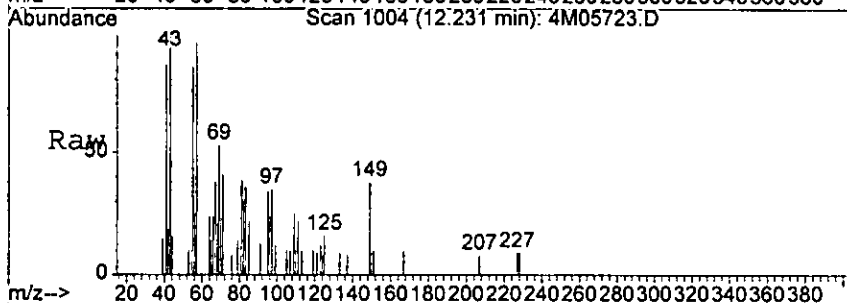
Ion	Ratio	Lower	Upper
228	100		
226	30.7	12.0	52.0
229	25.3	0.0	61.1



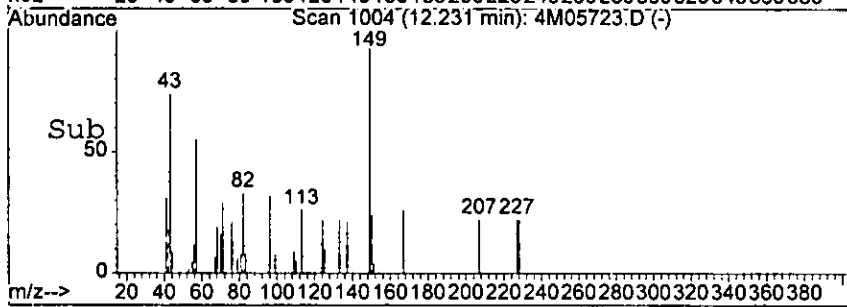
Ver



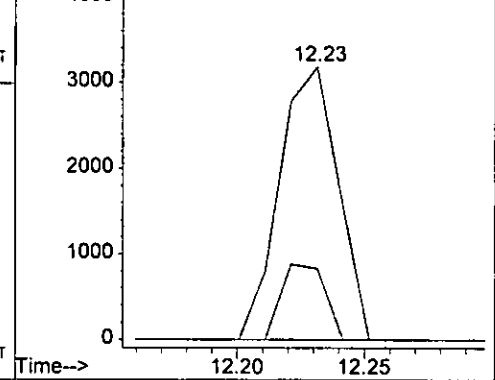
#80
 bis(2-Ethylhexyl)phthalate
 Concn: 2.31 ng
 RT: 12.23 min Scan# 1004
 Delta R.T. 0.01 min
 Lab File: 4M05723.D
 Acq: 18 Aug 2005 21:11



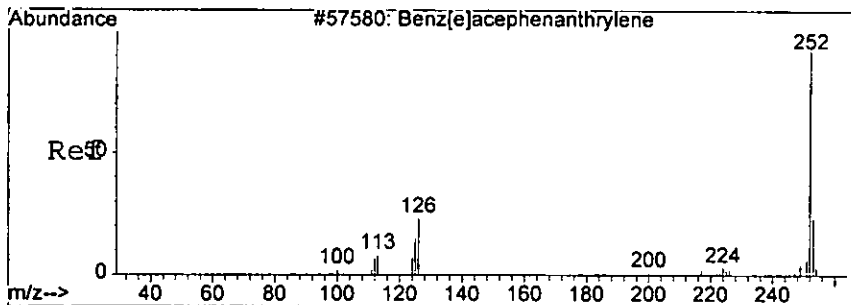
Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.1	0.0	53.9
279	0.0	0.0	43.5



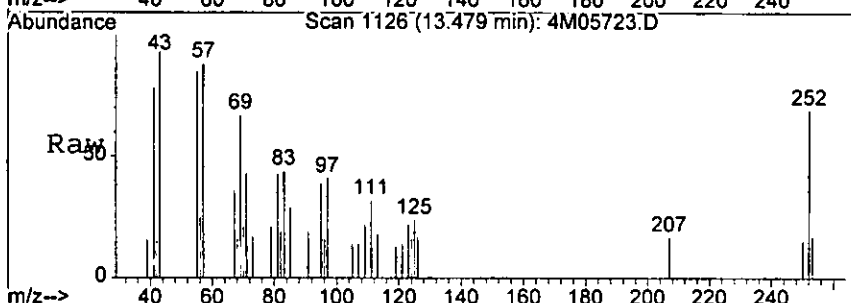
Abundance Ion 149.00 (148.70 to 149.70): 4M0572
 Ion 167.00 (166.70 to 167.70): 4M0572
 Ion 279.00 (278.70 to 279.70): 4M0572



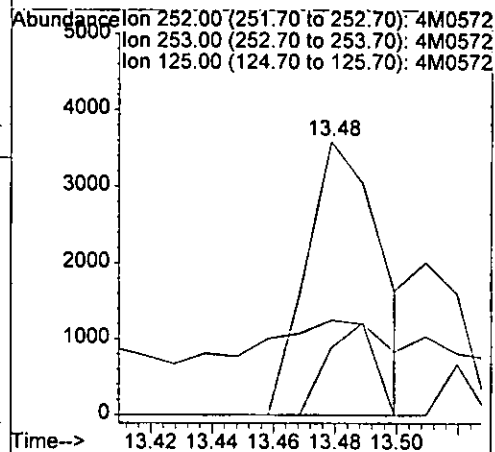
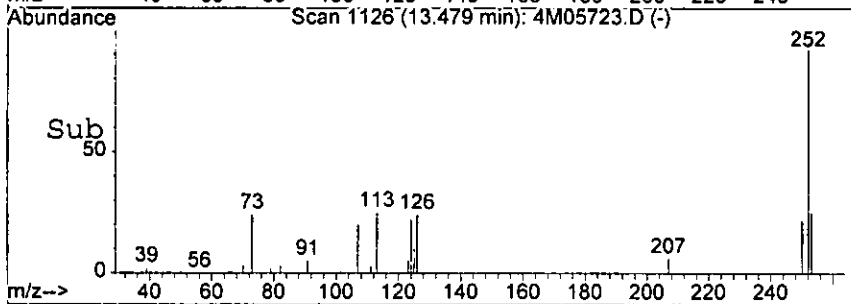
Garar



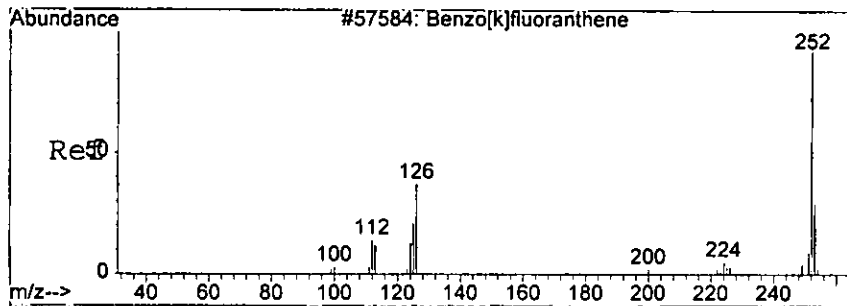
#83
 Benzo[b]fluoranthene
 Concen: 3.63 ng m
 RT: 13.48 min Scan# 1126
 Delta R.T. 0.01 min
 Lab File: 4M05723.D
 Acq: 18 Aug 2005 21:11



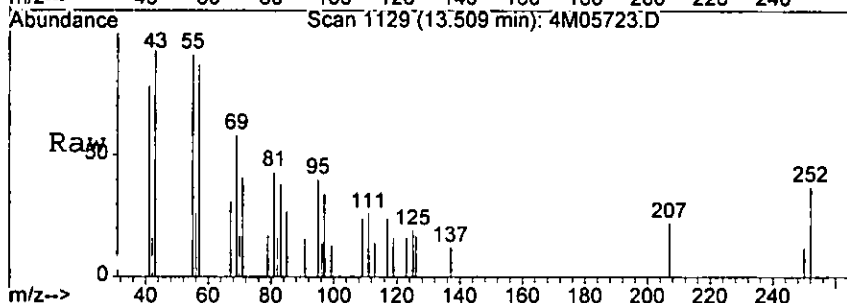
Tgt Ion	252	Resp	6043
Ion Ratio	Lower	Upper	
252	100		
253	24.6	0.0	63.3
125	34.8	0.0	57.6



Bar

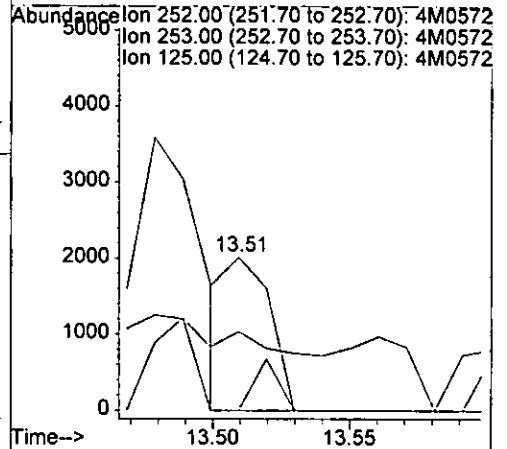
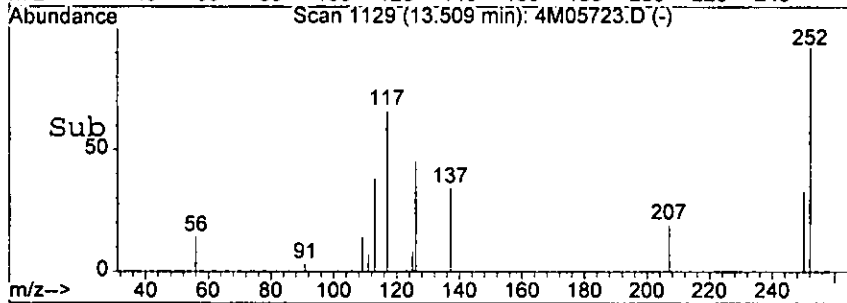


#84
 Benzo [k] fluoranthene
 Concen: 1.49 ng m
 RT: 13.51 min Scan# 1129
 Delta R.T. 0.01 min
 Lab File: 4M05723.D
 Acq: 18 Aug 2005 21:11



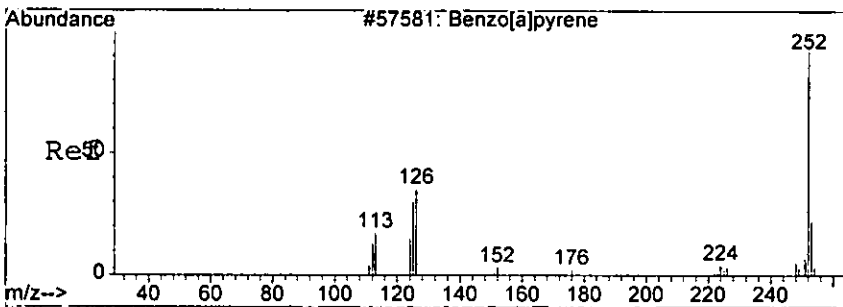
Tgt Ion: 252 Resp: 2215

Ion	Ratio	Lower	Upper
252	100		
253	0.0	0.0	63.5
125	51.5	0.0	53.8



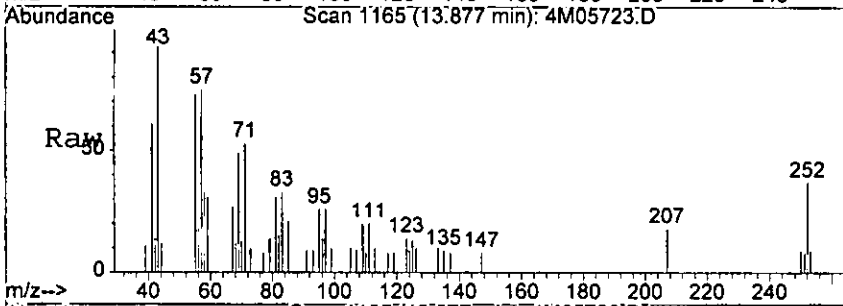
hscar

0855

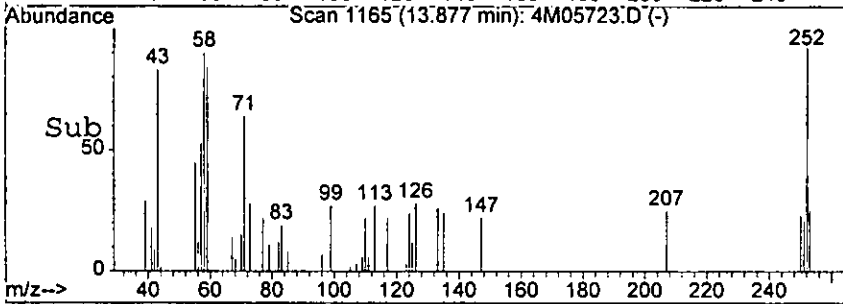
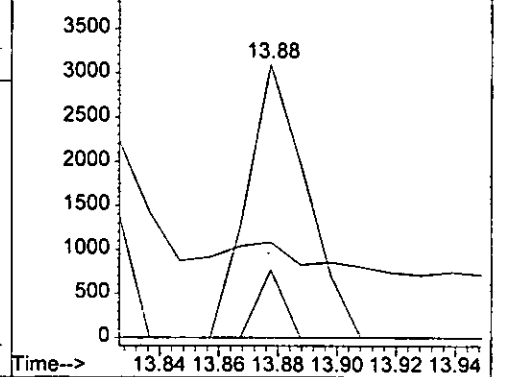


#85
 Benzo[a]pyrene
 Concen: 2.87 ng
 RT: 13.88 min Scan# 1165
 Delta R.T. 0.01 min
 Lab File: 4M05723.D
 Acq: 18 Aug 2005 21:11

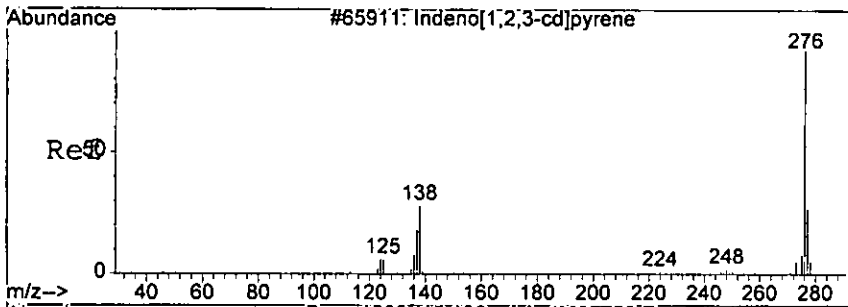
Tgt Ion: 252	Resp: 4315
Ion Ratio	Lower Upper
252	100
253	24.7 0.0 62.9
125	11.2 0.0 57.6



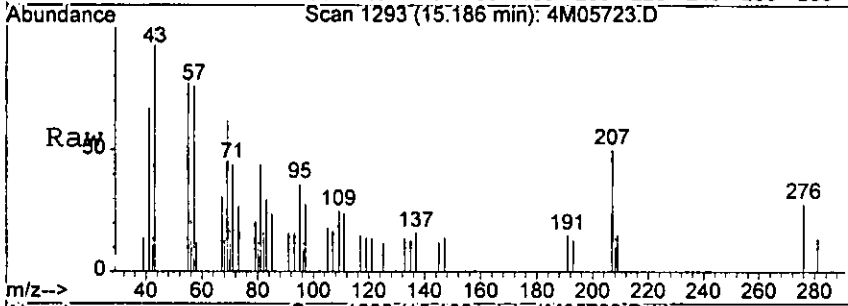
Abundance Ion 252.00 (251.70 to 252.70): 4M0572
 Ion 253.00 (252.70 to 253.70): 4M0572
 Ion 125.00 (124.70 to 125.70): 4M0572



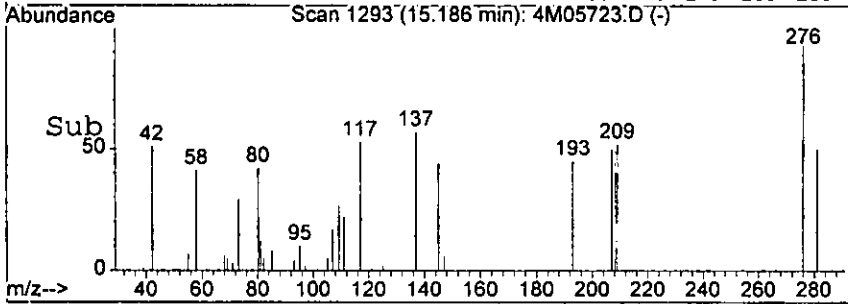
Ver



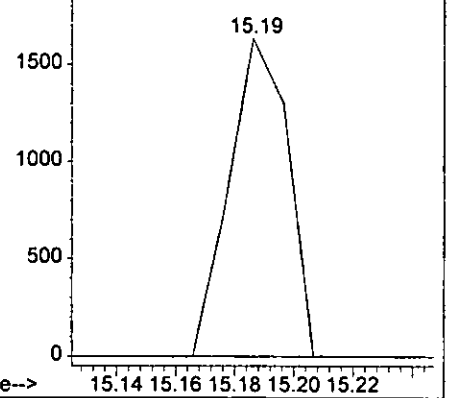
#86
 Indeno[1,2,3-cd]pyrene
 Concen: 1.24 ng
 RT: 15.19 min Scan# 1293
 Delta R.T. 0.01 min
 Lab File: 4M05723.D
 Acq: 18 Aug 2005 21:11



Tgt Ion: 276 Resp: 2243
 Ion Ratio Lower Upper
 276 100
 138 0.0 0.0 73.4

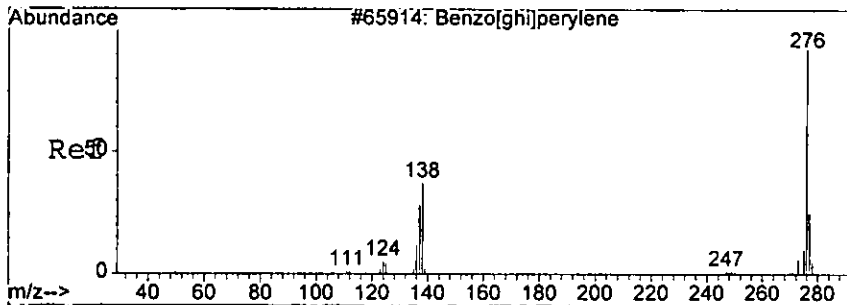


Abundance Ion 276.00 (275.70 to 276.70): 4M0572
 Ion 138.00 (137.70 to 138.70): 4M0572

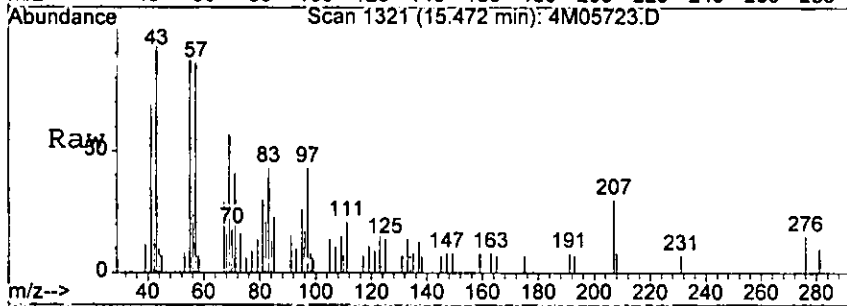


hexar

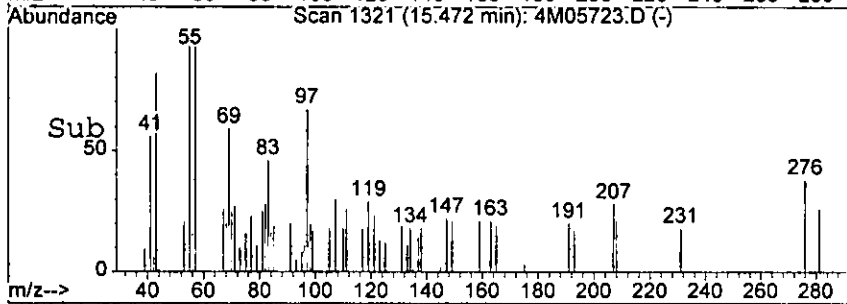
0857



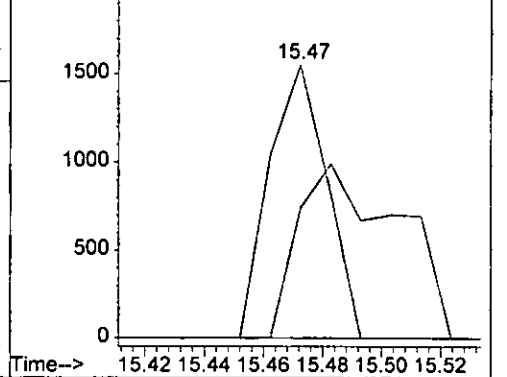
#88
 Benzo[g,h,i]perylene
 Concen: 1.41 ng
 RT: 15.47 min Scan# 1321
 Delta R.T. 0.02 min
 Lab File: 4M05723.D
 Acq: 18 Aug 2005 21:11



Tgt Ion	Ratio	Resp	Lower	Upper
276	100	2096		
138	47.9		0.0	74.1
277	0.0		0.0	65.0



Abundance Ion 276.00 (275.70 to 276.70): 4M0572
 Ion 138.00 (137.70 to 138.70): 4M0572
 Ion 277.00 (276.70 to 277.70): 4M0572



hear

Form1

ORGANICS SEMIVOLATILE REPORT

0858

Sample Number: AC19099-019
 Client Id: FB081505
 Data File: 5M10300.D
 Analysis Date: 08/19/05 16:24
 Date Rec/Extracted: 08/16/05-08/19/05

Matrix: Aqueous
 Initial Vol: 930ml
 Final Vol: 1ml
 Dilution: 1
 Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.19	U	205-99-2	Benzo[b]fluoranthene	0.30	U
95-50-1	1,2-Dichlorobenzene	0.43	U	191-24-2	Benzo[g,h,i]perylene	0.15	U
122-66-7	1,2-Diphenylhydrazine	0.35	U	207-08-9	Benzo[k]fluoranthene	0.38	U
541-73-1	1,3-Dichlorobenzene	0.31	U	111-91-1	bis(2-Chloroethoxy)methan	0.25	U
106-46-7	1,4-Dichlorobenzene	0.19	U	111-44-4	bis(2-Chloroethyl)ether	0.48	U
95-95-4	2,4,5-Trichlorophenol	1.7	U	108-60-1	bis(2-chloroisopropyl)ether	0.22	U
88-06-2	2,4,6-Trichlorophenol	0.81	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.68	U
120-83-2	2,4-Dichlorophenol	1.4	U	85-68-7	Butylbenzylphthalate	0.29	U
105-67-9	2,4-Dimethylphenol	0.91	U	86-74-8	Carbazole	0.21	U
51-28-5	2,4-Dinitrophenol	2.0	U	218-01-9	Chrysene	0.31	U
121-14-2	2,4-Dinitrotoluene	0.38	U	84-74-2	Di-n-butylphthalate	0.22	U
606-20-2	2,6-Dinitrotoluene	0.48	U	117-84-0	Di-n-octylphthalate	0.37	U
91-58-7	2-Chloronaphthalene	0.12	U	53-70-3	Dibenzo[a,h]anthracene	0.20	U
95-57-8	2-Chlorophenol	2.0	U	132-64-9	Dibenzofuran	1.4	U
91-57-6	2-Methylnaphthalene	1.8	U	84-66-2	Diethylphthalate	0.25	U
95-48-7	2-Methylphenol	4.0	U	131-11-3	Dimethylphthalate	0.19	U
88-74-4	2-Nitroaniline	1.4	U	206-44-0	Fluoranthene	0.18	U
88-75-5	2-Nitrophenol	1.3	U	86-73-7	Fluorene	0.26	U
106-44-5	3&4-Methylphenol	4.0	U	118-74-1	Hexachlorobenzene	0.44	U
91-94-1	3,3'-Dichlorobenzidine	1.9	U	87-68-3	Hexachlorobutadiene	0.26	U
99-09-2	3-Nitroaniline	2.7	U	77-47-4	Hexachlorocyclopentadiene	2.9	U
534-52-1	4,6-Dinitro-2-methylphenol	2.0	U	67-72-1	Hexachloroethane	0.37	U
101-55-3	4-Bromophenyl-phenylether	0.44	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.18	U
59-50-7	4-Chloro-3-methylphenol	2.2	U	78-59-1	Isophorone	5.7	U
106-47-8	4-Chloroaniline	7.3	U	621-64-7	N-Nitroso-di-n-propylamine	0.34	U
7005-72-3	4-Chlorophenyl-phenylether	0.30	U	62-75-9	N-Nitrosodimethylamine	12	U
100-01-6	4-Nitroaniline	1.6	U	86-30-6	n-Nitrosodiphenylamine	0.29	U
100-02-7	4-Nitrophenol	1.5	U	91-20-3	Naphthalene	0.10	U
83-32-9	Acenaphthene	0.18	U	98-95-3	Nitrobenzene	0.30	U
208-96-8	Acenaphthylene	0.16	U	87-86-5	Pentachlorophenol	1.0	U
120-12-7	Anthracene	0.21	U	85-01-8	Phenanthrene	0.24	U
92-87-5	Benzydine	11	U	108-95-2	Phenol	1.8	U
56-55-3	Benzo[a]anthracene	0.15	U	129-00-0	Pyrene	0.25	U
50-32-8	Benzo[a]pyrene	0.18	U				

Worksheet #: 18797

Total Target Concentration 0

*U - Indicates the compound was analyzed but not detected.
 B - Indicates the analyte was found in the blank as well as in the sample.
 E - Indicates the analyte concentration exceeds the calibration range of the instrument.*

*R - Retention Time Out
 J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*

2005
2005

Data File : G:\GcMsData\2005\Gcms_5\Data\08-19-05\5M10300.D Vial:
 Acq On : 19 Aug 2005 16:24 Operator: AHD
 Sample : AC19099-019 Inst : GCMS_5
 Misc : A,BNA Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Aug 29 16:43 2005 Quant Results File: 5M_0817.RES

Quant Method : G:\GCMSDATA\2005\GCMS_5\METHODS\5M_0817.M (RTE Integrator)
 Title : @GCMS_5,mg,625,8270
 Last Update : Wed Aug 17 10:45:54 2005
 Response via : Initial Calibration
 DataAcq Meth : 5M_RUN5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	5.00	152	16748	40.00	ng	-0.02
20) Naphthalene-d8	6.04	136	66069	40.00	ng	-0.02
36) Acenaphthene-d10	7.37	164	40602	40.00	ng	-0.02
61) Phenanthrene-d10	8.72	188	71445	40.00	ng	-0.03
77) Chrysene-d12	11.68	240	56018	40.00	ng	-0.04
88) Perylene-d12	13.26	264	42487	40.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev (Min)
4) 2-Fluorophenol	3.65	112	70775	134.46	ng	-0.02
Spiked Amount 200.000			Recovery =	67.23%		
8) Phenol-d5	4.71	99	66805	96.08	ng	-0.01
Spiked Amount 200.000			Recovery =	48.04%		
21) Nitrobenzene-d5	5.48	128	26077	92.85	ng	-0.02
Spiked Amount 100.000			Recovery =	92.85%		
41) 2-Fluorobiphenyl	6.85	172	116062	87.42	ng	-0.02
Spiked Amount 100.000			Recovery =	87.42%		
64) 2,4,6-Tribromophenol	8.05	330	28606	180.83	ng	-0.02
Spiked Amount 200.000			Recovery =	90.42%		
80) Terphenyl-d14	10.49	244	129355	92.85	ng	-0.03
Spiked Amount 100.000			Recovery =	92.85%		

Target Compounds Qvalue

Handwritten signature

Quantitation Report

0988

Data File : G:\GcMsData\2005\Gcms_5\Data\08-19-05\5M10300.D Vial:
Acq On : 19 Aug 2005 16:24 Operator: AHD
Sample : AC19099-019 Inst : GCMS_5
Misc : A,BNA Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 29 16:43 2005

Quant Results File: 5M_0817.RES

Method : G:\GCMSDATA\2005\GCMS_5\METHODS\5M_0817.M (RTE Integrator)
Title : @GCMS_5,mg,625,8270
Last Update : Wed Aug 17 10:45:54 2005
Response via : Initial Calibration

