

User: Vinci, David L
 Westchester Dept. of Labs & Research
 Date: 05/30/2002 Time: 09:12:43

Sample: AE11417
 Analysis: \$GCMS GCMS Scan For Unknowns
 Units: ug
 Started: 5/30/02 09:12 Ended: 5/30/02 09:12 Analyst: DLV
 Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		88		10.0

Comments for Sample AE11417 - Analysis \$GCMS

Westchester Dept. of Labs & Research

User: Vinci, David L

Date: 05-30-2002 Time: 09:14:07

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 3 of the 43 compounds in the LCS Standard were low.

Quantitation Report

(QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\052002\11417.D
 Acq On : 20 May 2002 6:10 pm
 Sample : 5/16 eh
 Misc :
 MS Integration Params: EVENTS.E
 Quant Time: May 23 10:44:44 2002

Vial: 7
 Operator: Mclean
 Inst : Instrumen
 Multiplr: 1.00

Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
 Title : 508 Modified GC/MS scan
 Last Update : Mon May 13 11:40:29 2002
 Response via : Initial Calibration
 DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.93	152	5523476	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	21623956	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	11756477	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	17125239	40.00	ug/L	0.00
37) Chrysene-d12	30.80	240	12289111	40.00	ug/L	0.00
43) Perylene-d12	34.70	264	7557158	40.00	ug/L	0.00

System Monitoring Compounds

27) TCMX	20.54	209	2500297	35.03	ug/L	0.00
Spiked Amount	40.000		Recovery	=	87.58%	

Target Compounds

Qvalue

2) n-nitros-dimethyl amine	0.00	74	0	N.D.	d
3) bis(2-Chloroethyl)ether	0.00	93	0	N.D.	
4) 1,3-Dichlorobenzene	0.00	146	0	N.D.	
5) 1,4-Dichlorobenzene	0.00	146	0	N.D.	
6) 1,2-Dichlorobenzene	0.00	146	0	N.D.	
7) 2,2'-oxybis(1-Chloropropane	0.00	45	0	N.D.	
8) N-nitroso-di-propylamine	0.00	70	0	N.D.	
9) Hexachloroethane	0.00	117	0	N.D.	
11) Nitrobenzene	0.00	77	0	N.D.	
12) Isophorone	0.00	82	0	N.D.	
13) bis(2-Chloroethoxy) methan	0.00	93	0	N.D.	
14) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
15) Napthalene	0.00	128	0	N.D.	
16) Hexachlorobutadiene	0.00	225	0	N.D.	
18) 2-Chloronapthalene	0.00	162	0	N.D.	
19) Dimethylphthalate	0.00	163	0	N.D.	
20) 2,6-Dinitrotoluene	0.00	165	0	N.D.	
21) Acenapthylene	0.00	152	0	N.D.	
22) Acenapthalene	0.00	153	0	N.D.	
23) 2,4-Dinitrotoluene	0.00	165	0	N.D.	
24) Diethylphthalate	0.00	149	0	N.D.	
25) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
26) Fluorene	0.00	166	0	N.D.	
28) Azobenzene	20.54	77	40795	N.D.	
30) Nnitrosodiphenylamine	20.54	169	48272	N.D.	
31) 4-Bromophenyl-phenylether	0.00	248	0	N.D.	
32) Hexachlorobenzene	0.00	284	0	N.D.	
33) Phenanthrene	0.00	178	0	N.D.	
34) Anthracene	0.00	178	0	N.D.	
35) Di-n-butylphthalate	0.00	149	0	N.D.	

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

11417.D 050102.M Thu May 23 10:45:00 2002

Page 1

Quantitation Report

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Title : 508 Modified GC/MS scan

Last Update : Mon May 13 11:40:29 2002

Response via : Initial Calibration

DataAcq Meth : 508SCAN

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
36) Fluoroanthene	0.00	202	0	N.D.		
38) Pyrene	0.00	202	0	N.D.		
39) Butylbenzylphthalate	0.00	149	0	N.D.		
40) Benzo(a)anthracene	30.80	228	30714	N.D.		
41) Bis(2-ethylhexyl)phthalate	31.37	149	17444	N.D.		
42) Chrysene	0.00	228	0	N.D.		
44) Di-n-octylphthalate	0.00	149	0	N.D.		
45) Benzo(b)fluoranthene	0.00	252	0	N.D.		
46) Benzo(k)fluoranthene	0.00	252	0	N.D.		
47) Benzo(a)pyrene	0.00	252	0	N.D.		
48) Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.		
49) Dibenz(a,h)anthracene	0.00	278	0	N.D.		
50) Benzo(g,h,i)perylene	0.00	276	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed
11417.D 050102.M Thu May 23 10:45:00 2002 Page 2

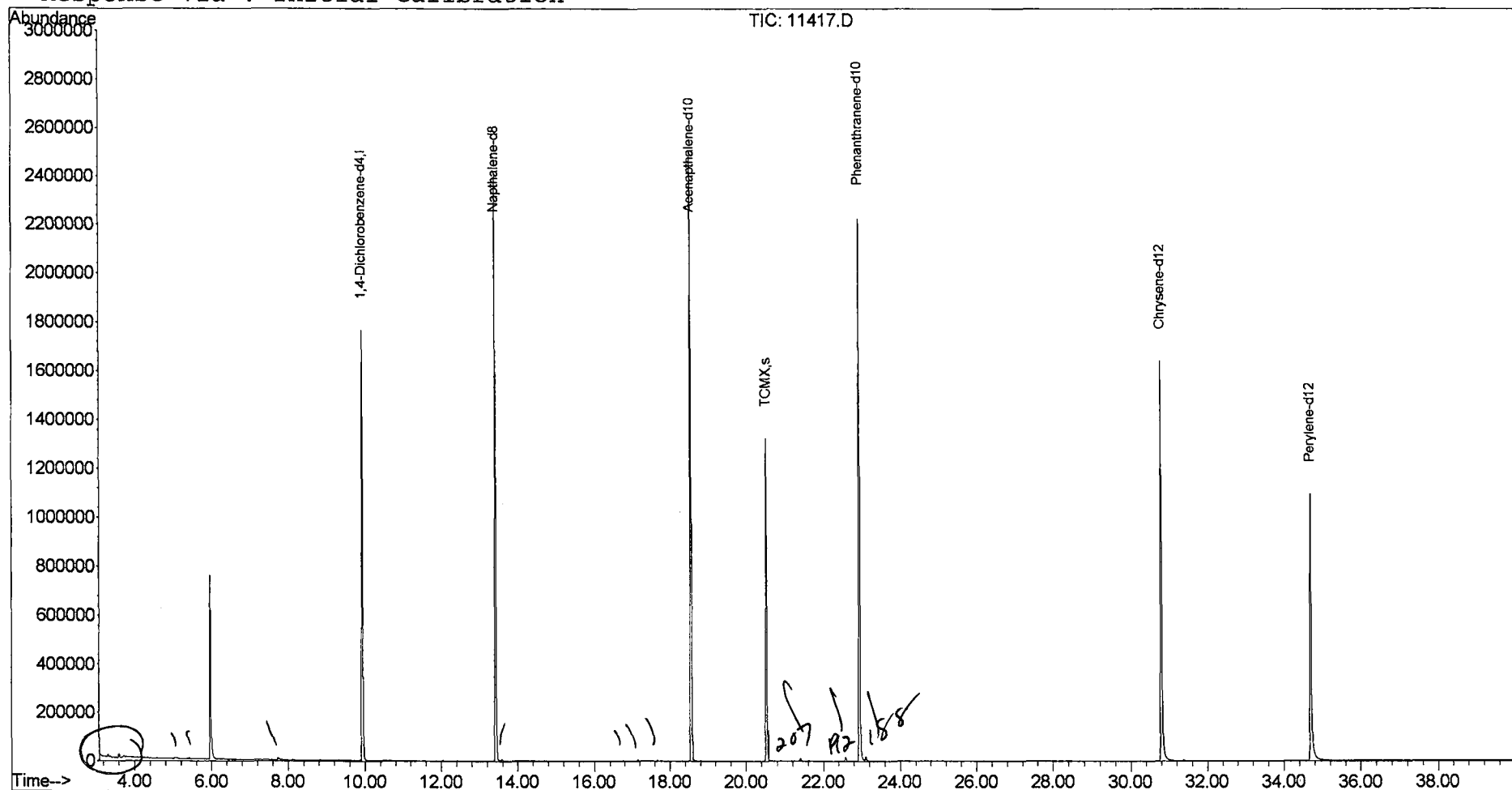
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 Misc :
 MS Integration Params: EVENTS.E
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Vial: 7
 Operator: Mclean
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Quant Results File: 050102.RES

Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
 Title : 508 Modified GC/MS scan
 Last Update : Mon May 13 11:40:29 2002
 Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\052002\11417.D

Acq On : 20 May 2002 6:10 pm

Sample : 5/16 eh

Misc :

MS Integration Params: LSCINT.e

Vial: 7

Operator: Mclean

Inst : Instrumen

Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)

Title : 508 Modified GC/MS scan

Signal : TIC

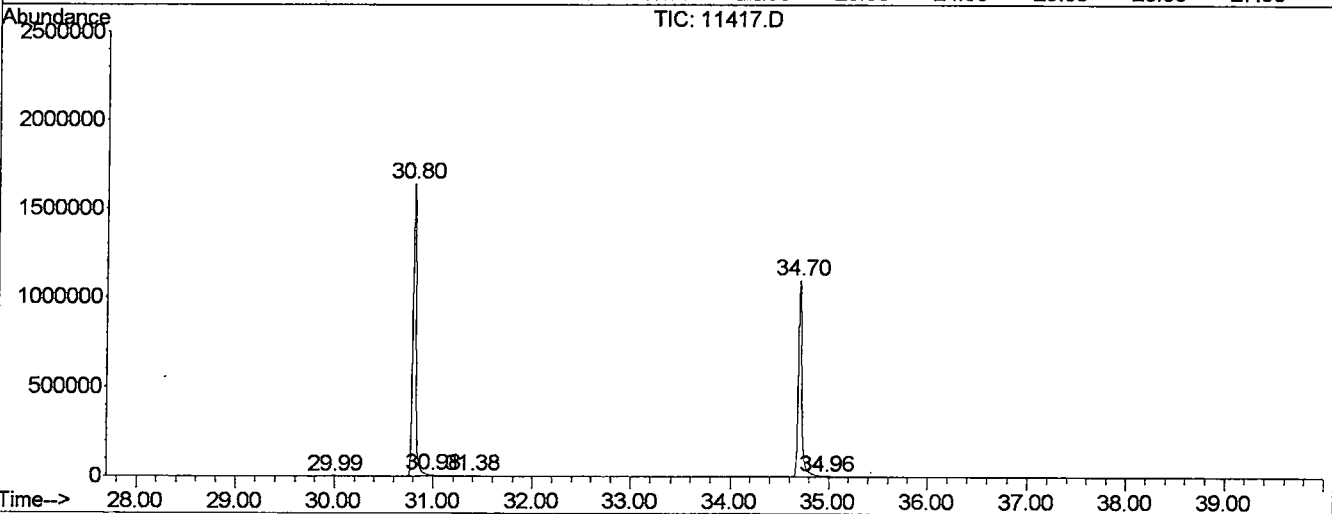
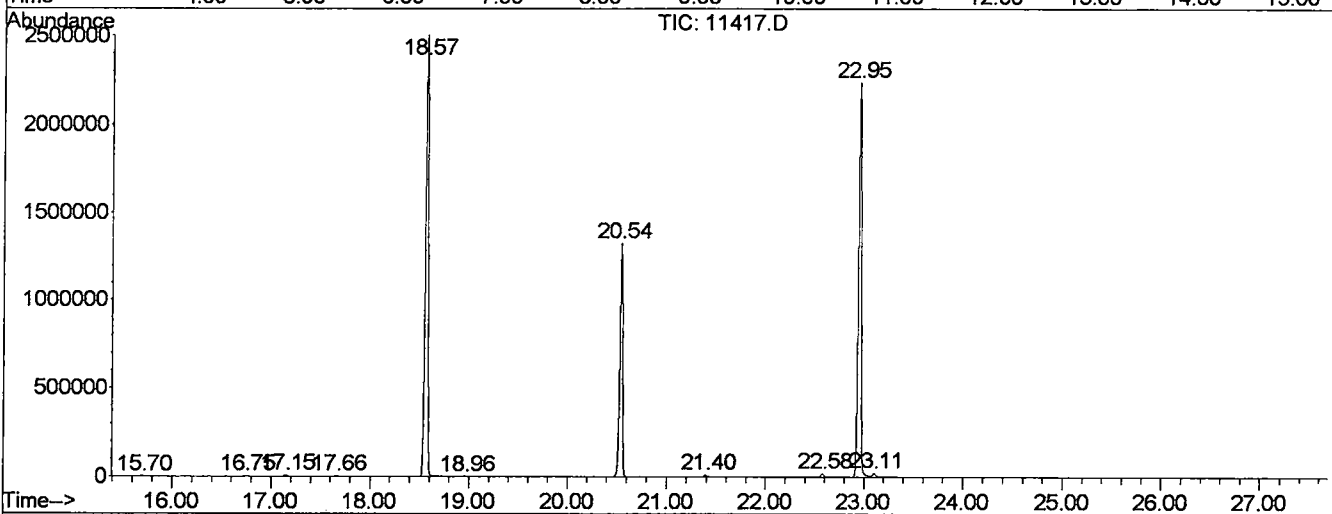
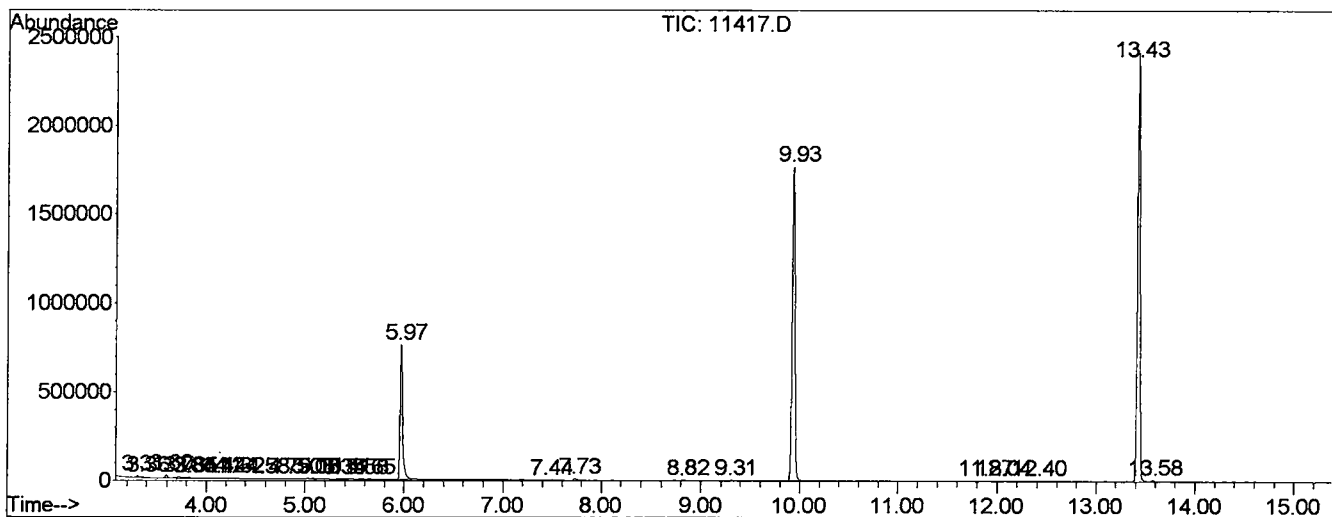
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1	3.308	35	39	45	PV 2	10054	154268	0.32%	0.055%
2	3.367	45	49	56	VV 8	4818	83109	0.17%	0.030%
3	3.596	83	88	95	PV	18841	313357	0.65%	0.112%
4	3.725	95	110	125	VV 6	8730	522850	1.08%	0.186%
5	3.825	125	127	129	VV 3	4268	64162	0.13%	0.023%
6	3.849	129	131	136	VV 5	4098	84282	0.17%	0.030%
7	4.107	170	175	177	VV 5	2977	47466	0.10%	0.017%
8	4.143	177	181	190	VV 10	3620	130797	0.27%	0.047%
9	4.242	194	198	201	VV 6	3946	66326	0.14%	0.024%
10	4.325	208	212	217	VV 3	4253	72882	0.15%	0.026%
11	4.577	249	255	258	VV 6	2318	42189	0.09%	0.015%
12	4.789	289	291	295	PV 4	1757	20409	0.04%	0.007%
13	5.024	328	331	337	VV 5	5028	106259	0.22%	0.038%
14	5.077	337	340	342	VV 4	3939	63008	0.13%	0.022%
15	5.094	342	343	348	VV 5	3923	56628	0.12%	0.020%
16	5.341	373	385	390	VV 8	1986	47907	0.10%	0.017%
17	5.406	390	396	402	VV 5	3710	84818	0.18%	0.030%
18	5.576	413	425	432	PV 10	1843	64265	0.13%	0.023%
19	5.647	432	437	449	VV 6	2627	71492	0.15%	0.025%
20	5.970	486	492	516	PV	764997	13655324	28.30%	4.865%
21	7.445	740	743	749	PV 5	1712	30757	0.06%	0.011%
22	7.733	780	792	805	PV 3	9123	247293	0.51%	0.088%
23	8.820	970	977	987	VV 5	2701	66070	0.14%	0.024%
24	9.307	1054	1060	1071	VV 3	2060	55395	0.11%	0.020%
25	9.936	1156	1167	1188	PV	1731897	33121955	68.65%	11.801%
26	11.869	1488	1496	1502	PV 4	2112	40048	0.08%	0.014%
27	12.039	1515	1525	1535	VV 3	2554	50323	0.10%	0.018%
28	12.404	1579	1587	1596	VV 5	2038	42195	0.09%	0.015%
29	13.432	1744	1762	1782	PV	2379351	44217122	91.64%	15.754%
30	13.579	1782	1787	1801	VV	8267	172167	0.36%	0.061%
31	15.700	2137	2148	2157	VV 4	2231	55795	0.12%	0.020%
32	16.746	2321	2326	2335	VV 3	3702	79526	0.16%	0.028%
33	17.151	2384	2395	2402	VV 4	7916	145518	0.30%	0.052%
34	17.662	2471	2482	2487	PV 6	3515	65099	0.13%	0.023%
35	18.567	2625	2636	2657	VV	2471245	48248313	100.00%	17.191%
36	18.967	2698	2704	2708	VV 3	1675	22527	0.05%	0.008%
37	20.541	2960	2972	2985	PV	1305221	24780953	51.36%	8.829%

38	21.399	3112	3118	3125	PV	3	10499	168033	0.35%	0.060%
39	22.580	3311	3319	3331	VV	2	17668	328835	0.68%	0.117%
40	22.950	3372	3382	3401	PV	2	2210932	46575932	96.53%	16.595%
41	23.109	3401	3409	3431	VV		20043	512238	1.06%	0.183%
42	29.983	4571	4579	4586	VV	3	1900	46092	0.10%	0.016%
43	30.806	4708	4719	4747	PV	2	1630294	37922329	78.60%	13.512%
44	30.976	4747	4748	4765	VV	7	4890	128978	0.27%	0.046%
45	31.376	4811	4816	4823	PV	4	2987	51214	0.11%	0.018%
46	34.707	5370	5383	5424	PV	2	1084861	27619016	57.24%	9.840%
47	34.960	5424	5426	5445	VV	9	3441	121473	0.25%	0.043%

Sum of corrected areas: 280666992

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\052002\11417.D
 Operator : Mclean
 Acquired : 20 May 2002 6:10 pm using AcqMethod 508SCAN
 Instrument : Instrumen
 Sample Name: 5/16 eh
 Misc Info :
 Vial Number: 7
 Quant File : 050102.RES (Chemstation Integrator)



Library Search Compound Report

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Acq On : 20 May 2002 6:10 pm
Sample : 5/16 eh
Misc :
MS Integration Params: LSCINT.e

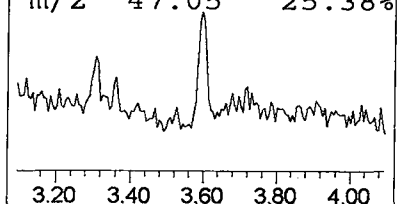
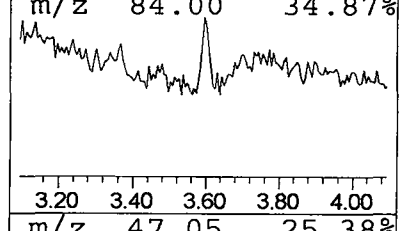
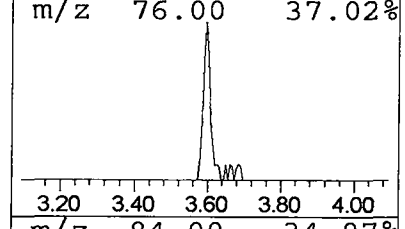
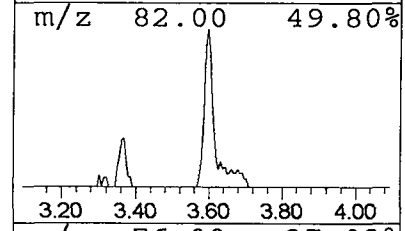
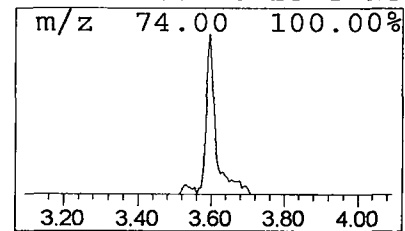
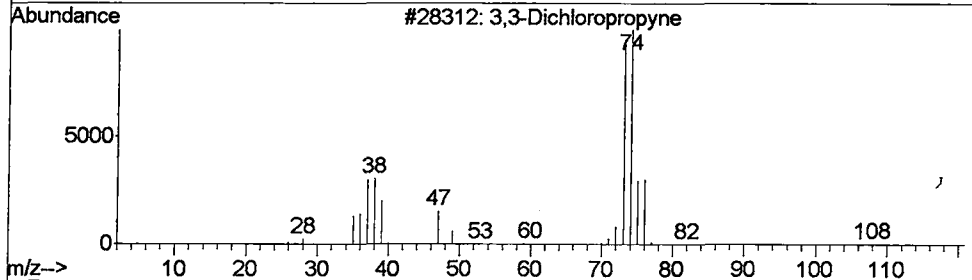
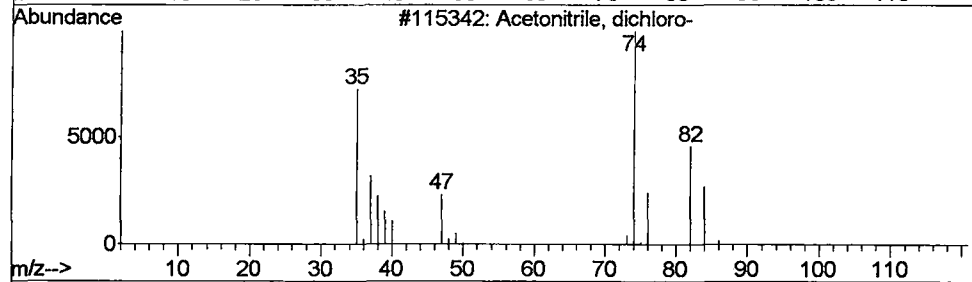
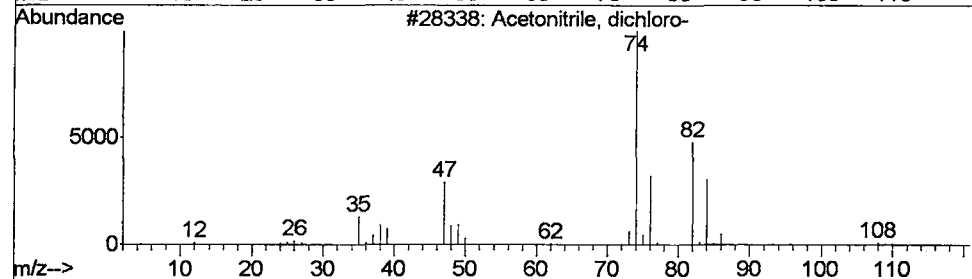
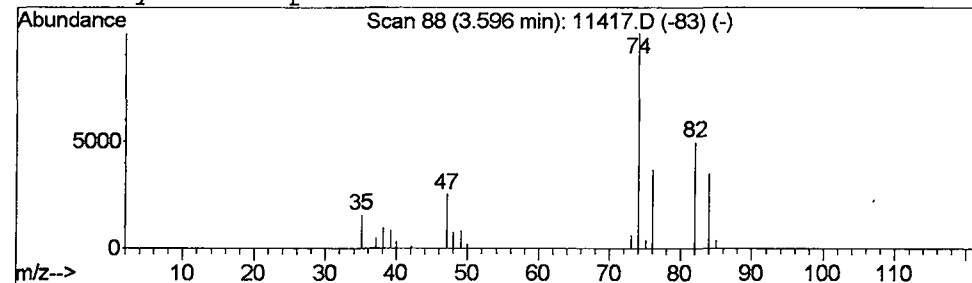
Vial: 7
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

Peak Number 1 Acetonitrile, dichloro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.60	0.38 ug/L	313357	1,4-Dichlorobenzene-d4	9.93

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	91
2			Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	64
3			3,3-Dichloropropyne	108	C3H2Cl2	1000222-23-9	28
4			Allyl mercaptan	74	C3H6S	000870-23-5	25



Library Search Compound Report

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 Misc :
 MS Integration Params: LSCINT.e

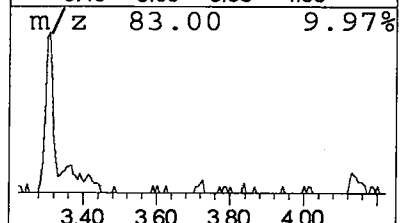
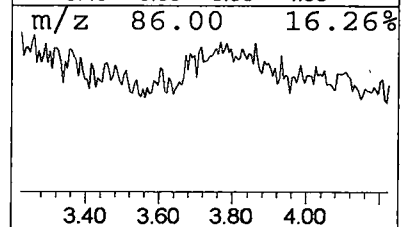
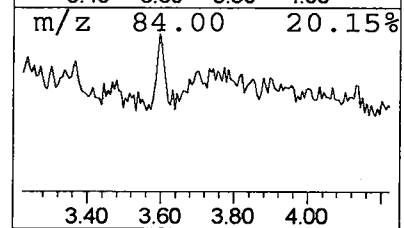
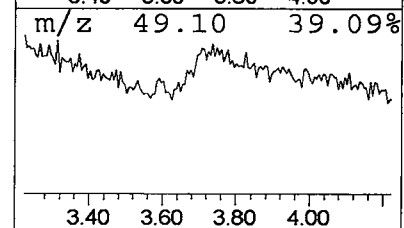
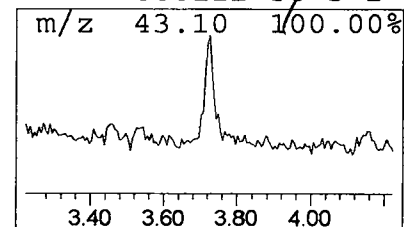
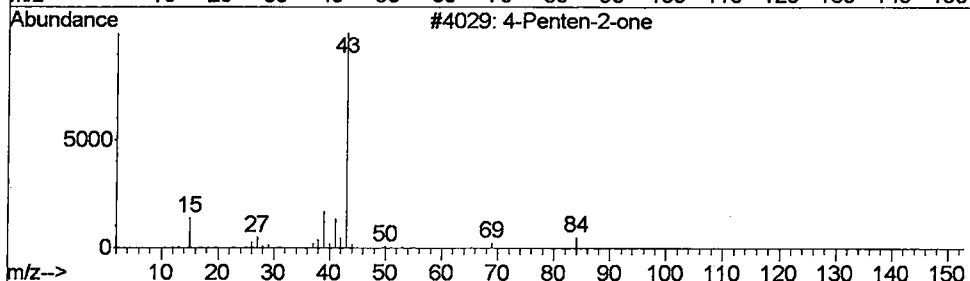
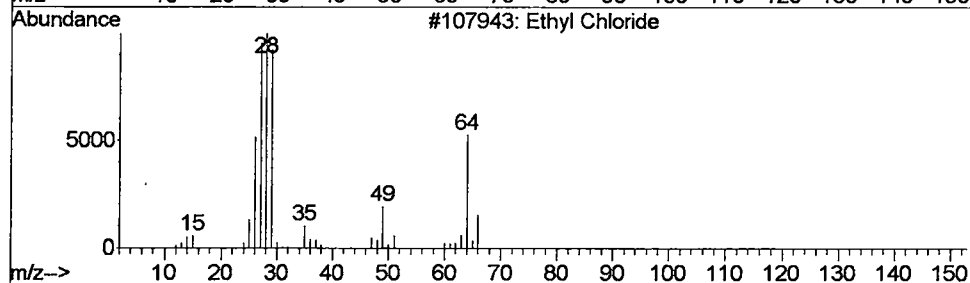
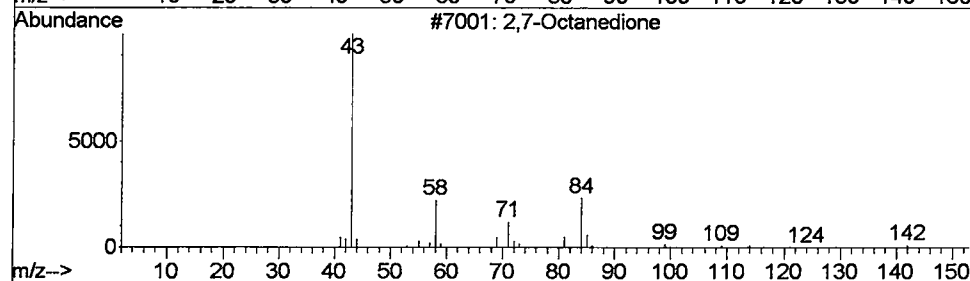
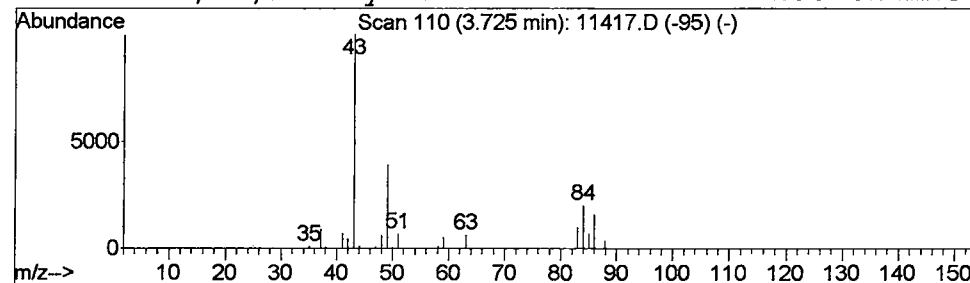
Vial: 7
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 Inst : Instrumen
 Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
 Title : 508 Modified GC/MS scan
 Library : C:\DATABASE\NIST98.L

 Peak Number 2 2,7-Octanedione Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.73	0.63 ug/L	522850	1,4-Dichlorobenzene-d4	9.93

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,7-Octanedione	142	C8H14O2	001626-09-1	4
2			Ethyl Chloride	64	C2H5Cl	000075-00-3	4
3			4-Penten-2-one	84	C5H8O	013891-87-7	3
4			Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	2



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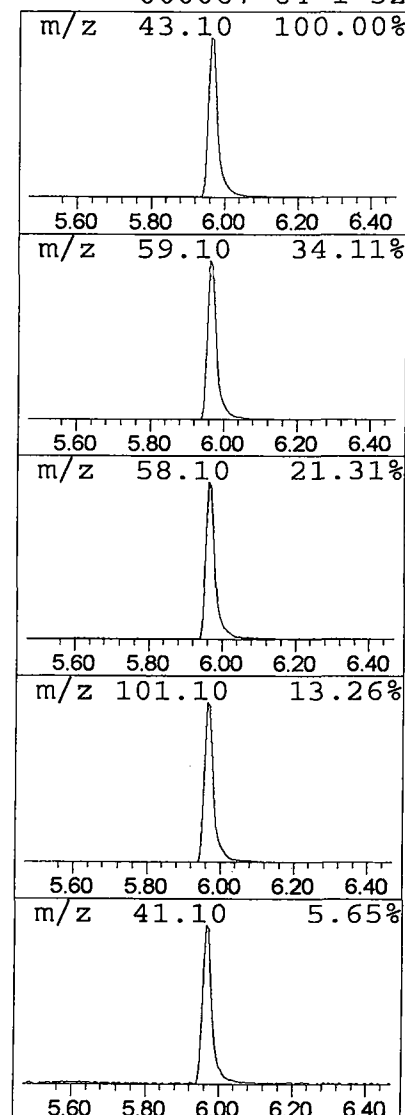
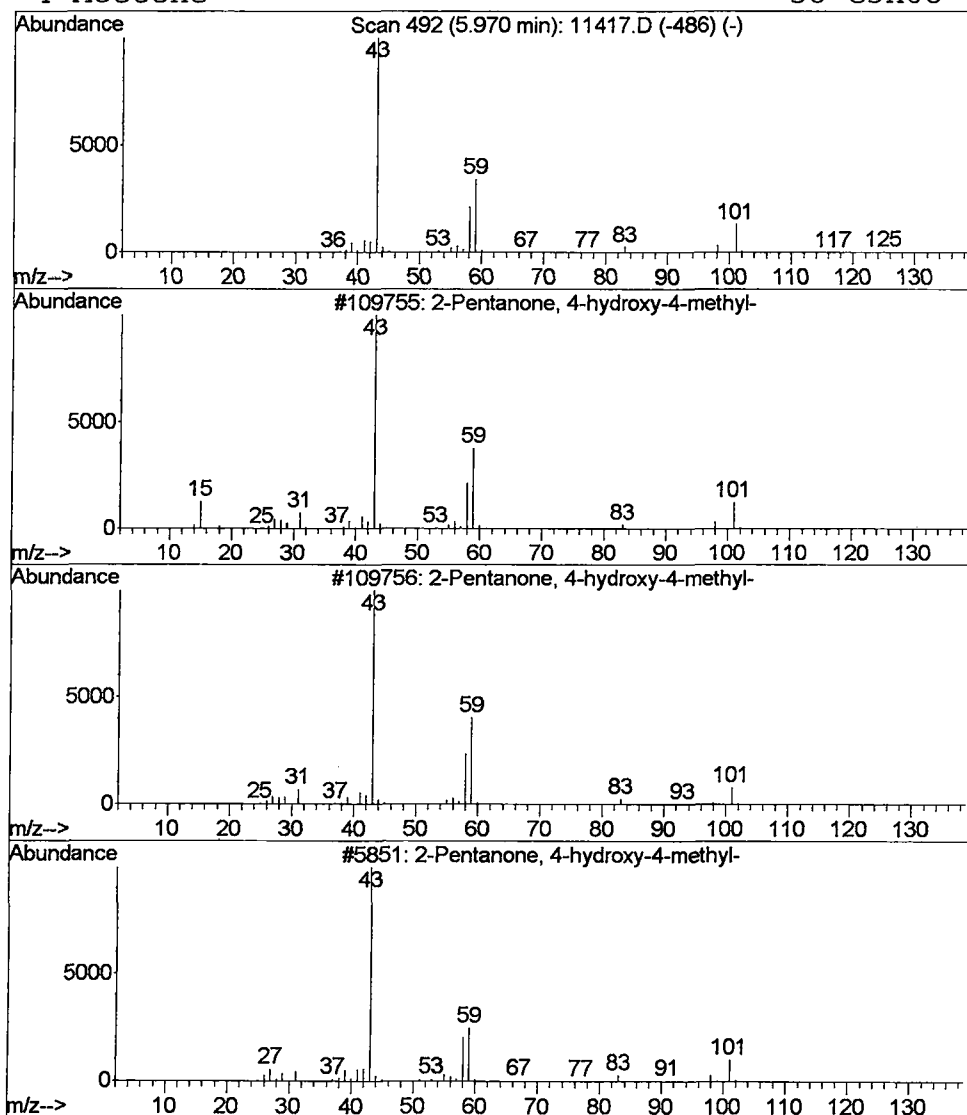
Vial: 7
 Operator: Mclean
 Inst : Instrumen
 Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
 Title : 508 Modified GC/MS scan
 Library : C:\DATABASE\NIST98.L

 Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	16.49 ug/L	13655300	1,4-Dichlorobenzene-d4	9.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	86
2		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
3		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
4		Acetone	58	C3H6O	000067-64-1	32



Library Search Compound Report

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 MS Integration Params: LSCINT.e

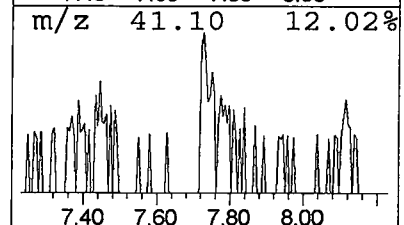
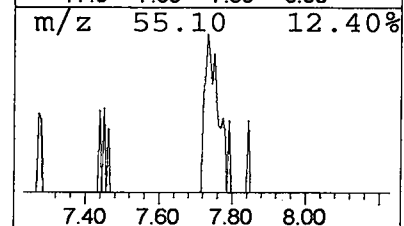
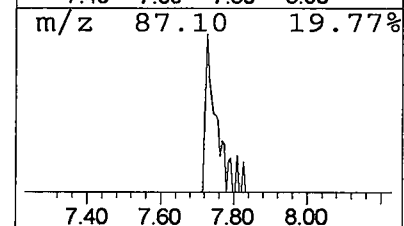
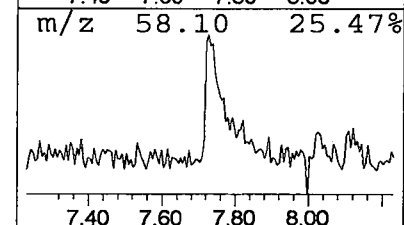
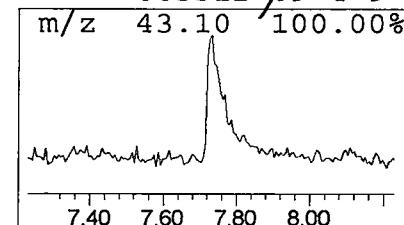
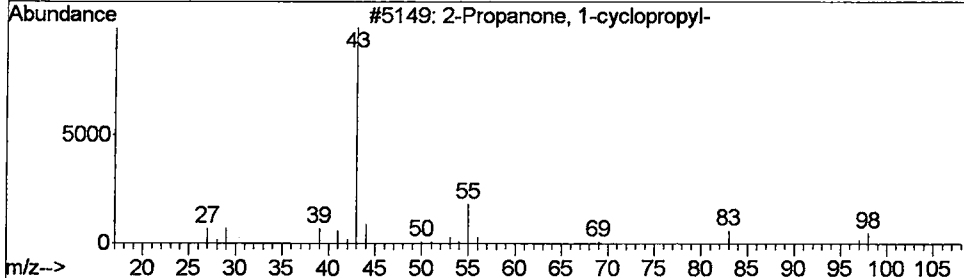
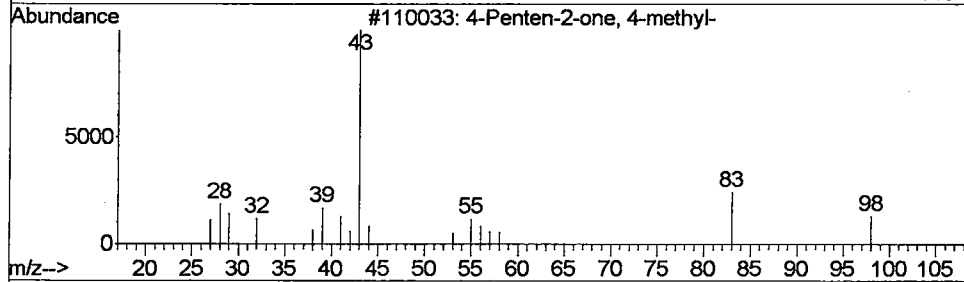
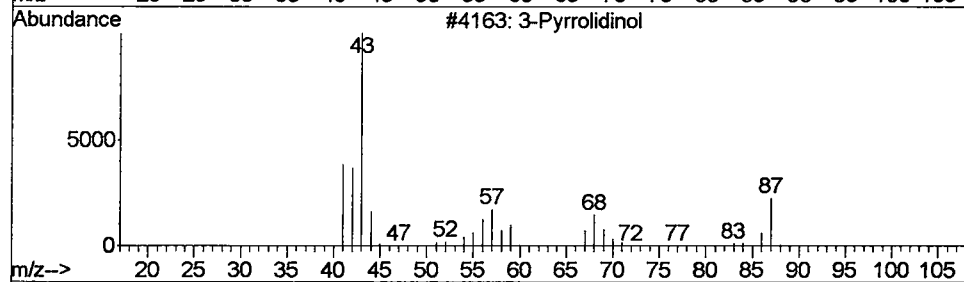
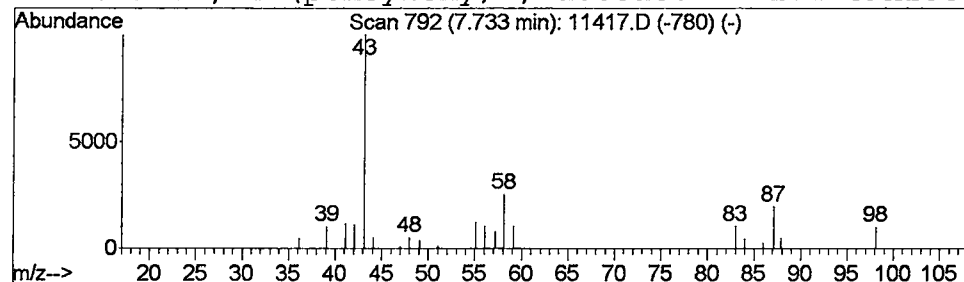
Vial: 7
 Operator: Mclean
 Inst : Instrumen
 Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
 Title : 508 Modified GC/MS scan
 Library : C:\DATABASE\NIST98.L

 Peak Number 4 3-Pyrrolidinol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	0.30 ug/L	247293	1,4-Dichlorobenzene-d4	9.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Pyrrolidinol	87	C4H9NO	040499-83-0	9
2		4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	9
3		2-Propanone, 1-cyclopropyl-	98	C6H10O	004160-75-2	9
4		Ethanol, 2-(pentyloxy)-, acetate	174	C9H18O3	005312-09-4	9



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052002\11417.D
Acq On : 20 May 2002 6:10 pm
Sample : 5/16 eh
Misc :
MS Integration Params: LSCINT.e

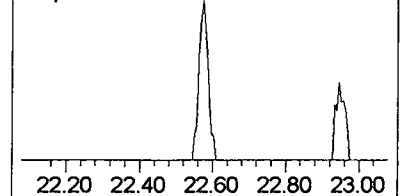
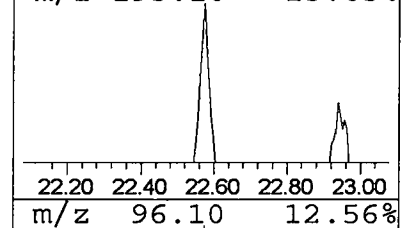
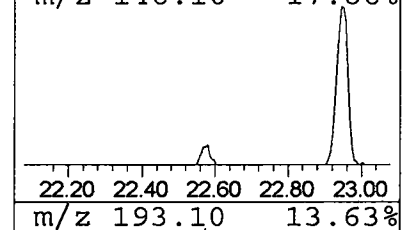
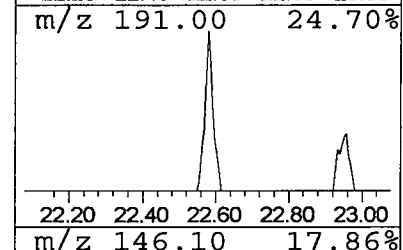
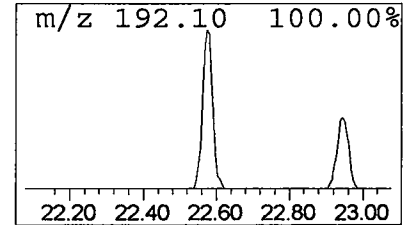
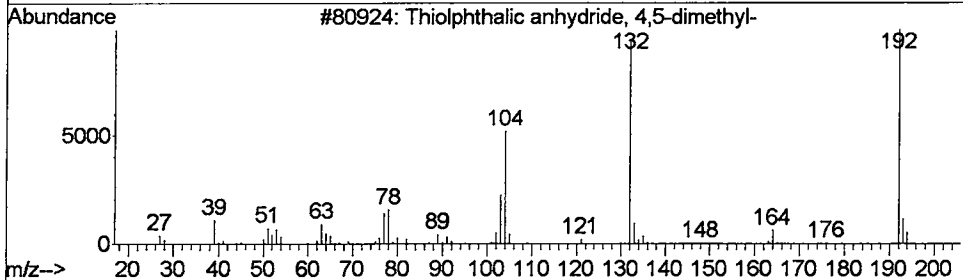
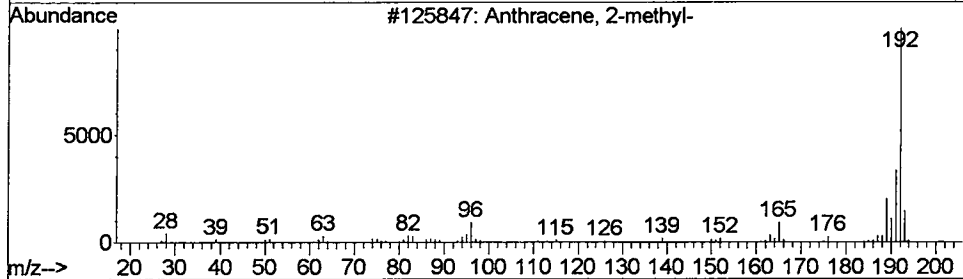
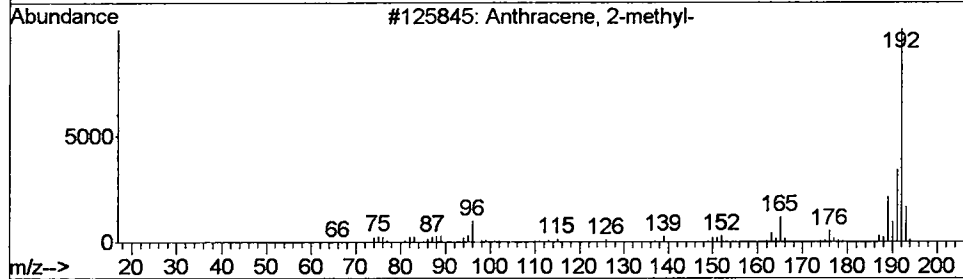
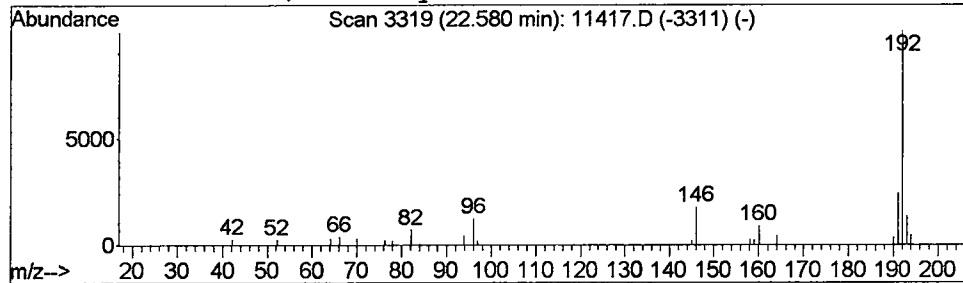
Vial: 7
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.28 ug/L	328835	Phenanthranene-d10	22.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	59
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	59
3			Thiolphthalic anhydride, 4,5-dim...	192	C10H8O2S	057902-33-7	47
4			9H-Fluorene, 9-ethylidene-	192	C15H12	007151-64-6	40



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052002\11417.D
Acq On : 20 May 2002 6:10 pm
Sample : 5/16 eh
Misc :
MS Integration Params: LSCINT.e

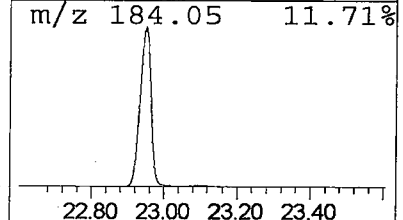
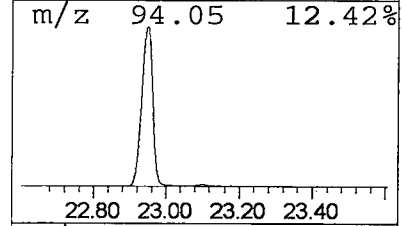
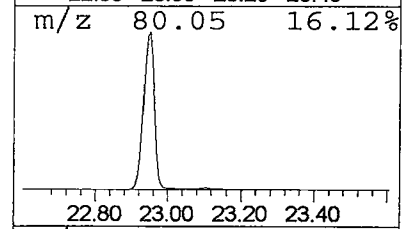
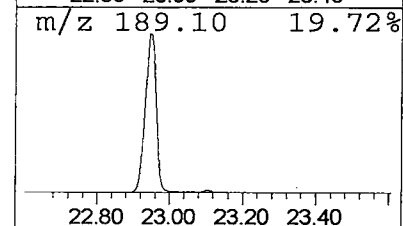
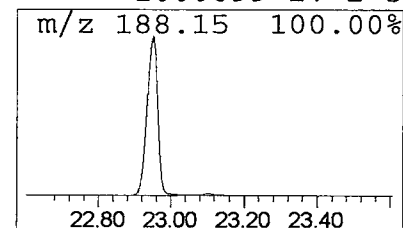
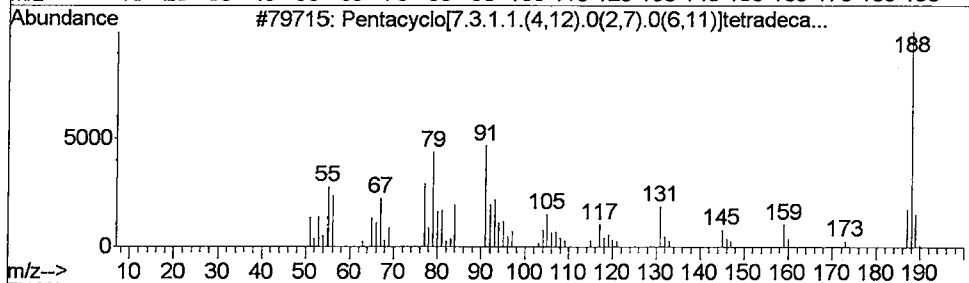
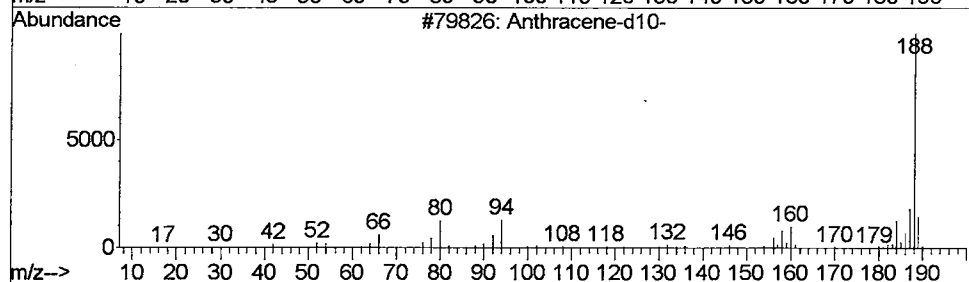
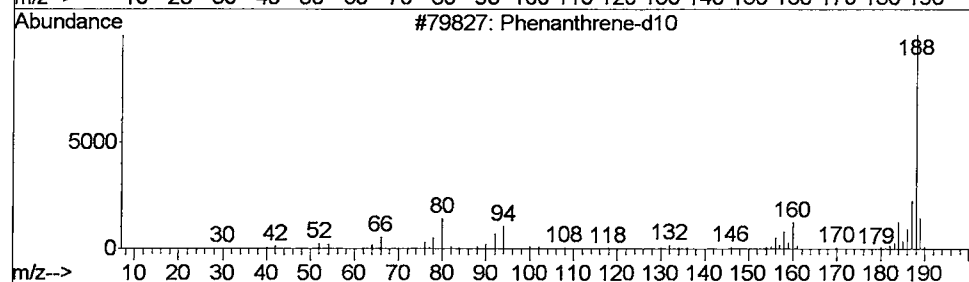
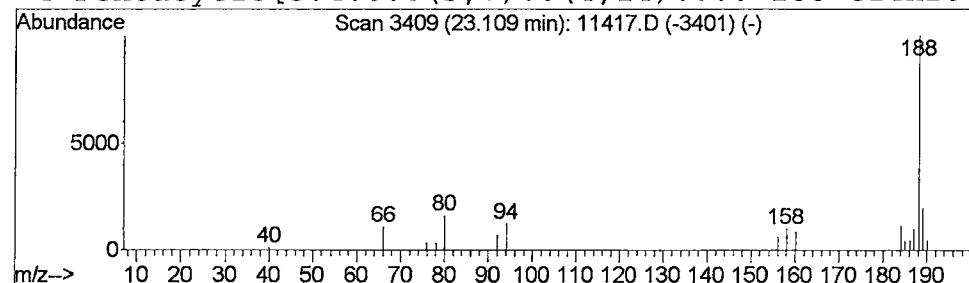
Vial: 7
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

Peak Number 6 Phenanthrene-d10 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.44 ug/L	512238	Phenanthranene-d10	22.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene-d10	188	C14D10	001517-22-2	90
2			Anthracene-d10-	188	C14D10	001719-06-8	87
3			Pentacyclo[7.3.1.1.(4,12).0(2,7)...]	188	C14H20	1000215-61-8	45
4			Pentacyclo[8.4.0.0(3,7).0(4,14)...]	188	C14H20	1000099-27-2	33



Tentatively Identified Compound (LSC) summary

Operator ID: Mclean Date Acquired: 20 May 2002 6:10 pm
Data File: C:\MSDCHEM\1\DATA\052002\11417.D
Name: 5/16 eh
Misc:
Method: C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title: 508 Modified GC/MS scan
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Acetonitrile, dic...	3.60	0.4	ug/L	313357	1	9.93	33122000	40.0
2,7-Octanedione	3.73	0.6	ug/L	522850	1	9.93	33122000	40.0
2-Pentanone, 4-hy...	5.97	16.5	ug/L	13655300	1	9.93	33122000	40.0
3-Pyrrolidinol	7.73	0.3	ug/L	247293	1	9.93	33122000	40.0
Anthracene, 2-met...	22.58	0.3	ug/L	328835	4	22.95	46575900	40.0
Phenanthrene-d10	23.11	0.4	ug/L	512238	4	22.95	46575900	40.0