

User: Vinci, David L
 Westchester Dept. of Labs & Research
 Date: 05/30/2002 Time: 09:17:09

Sample: AE11419
 Analysis: \$GCMS GCMS Scan For Unknowns
 Units: ug
 Started: 5/30/02 09:16 Ended: 5/30/02 09:16 Analyst: DLV
 Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		81		10.0

Comments for Sample AE11419 - Analysis \$GCMS

Westchester Dept. of Labs & Research

User: Vinci, David L

Date: 05-30-2002 Time: 09:17:48

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\11419.D
 Acq On : 20 May 2002 7:48 pm
 Sample : 5/16 eh
 Misc :
 MS Integration Params: EVENTS.E
 Quant Time: May 23 10:46:22 2002

Vial: 9
 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	5038504	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	19489322	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	10511606	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	14805423	40.00	ug/L	0.00
37) Chrysene-d12	30.80	240	10109401	40.00	ug/L	0.00
43) Perylene-d12	34.70	264	6041619	40.00	ug/L	0.00

System Monitoring Compounds

27) TCMX	20.54	209	2057143	32.23	ug/L	0.00
Spiked Amount	40.000		Recovery	=	80.58%	

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-Chloronaphthalene	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	36135	N.D.	
30) Nnitrosodiphenylamine	20.54	169	37551	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

11419.D 050102.M Thu May 23 10:46:38 2002

Page 1

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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	24407	N.D.		
41) Bis(2-ethylhexyl)phthalate	0.00	149	0	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
11419.D 050102.M Thu May 23 10:46:39 2002 Page 2

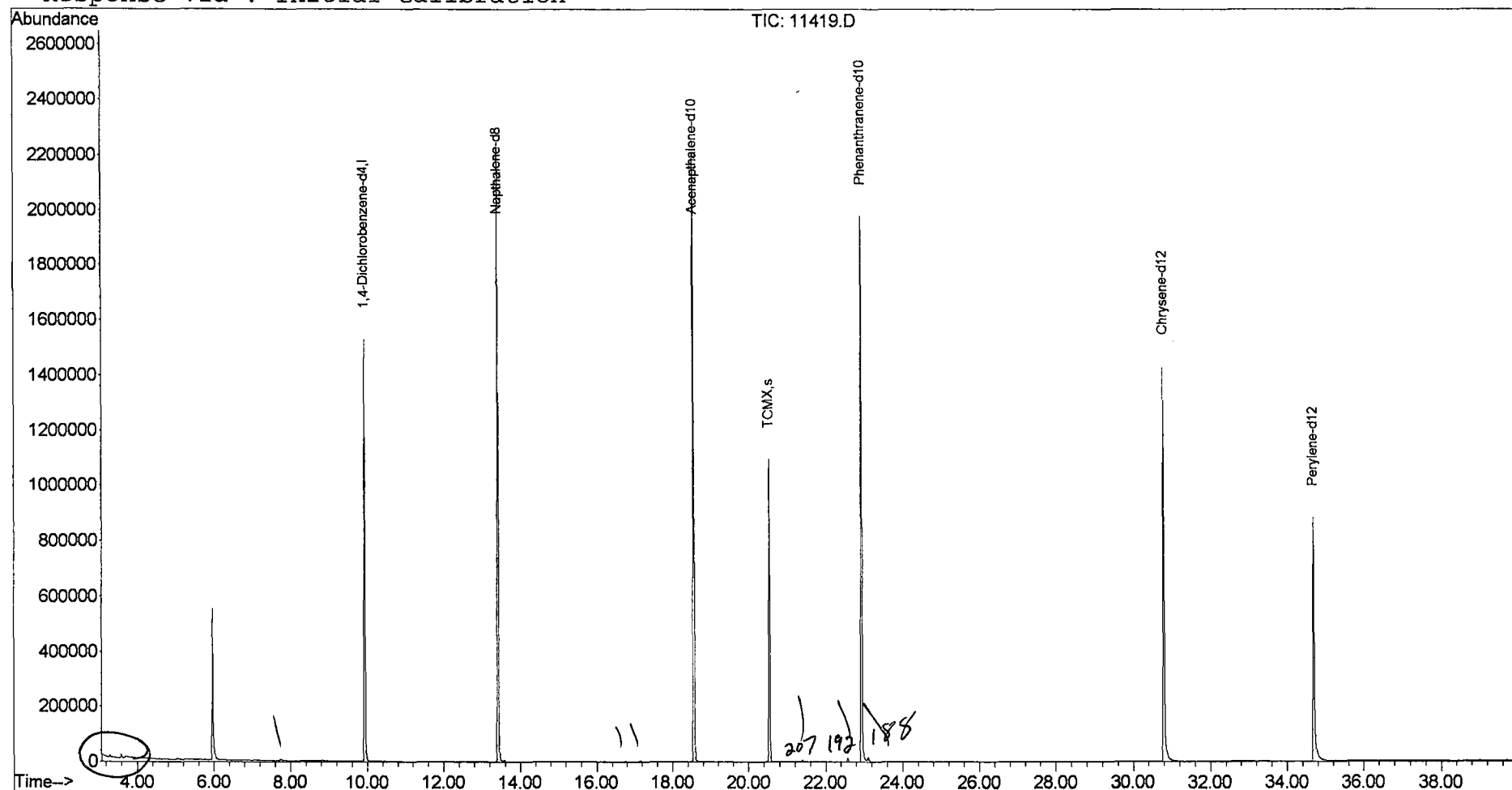
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Title : 508 Modified GC/MS scan
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Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\052002\11419.D
 Acq On : 20 May 2002 7:48 pm
 Sample : 5/16 eh
 Misc :
 MS Integration Params: LSCINT.e

Vial: 9
 Operator: Mclean
 Inst : Instrumen
 Multiplr: 1.00

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

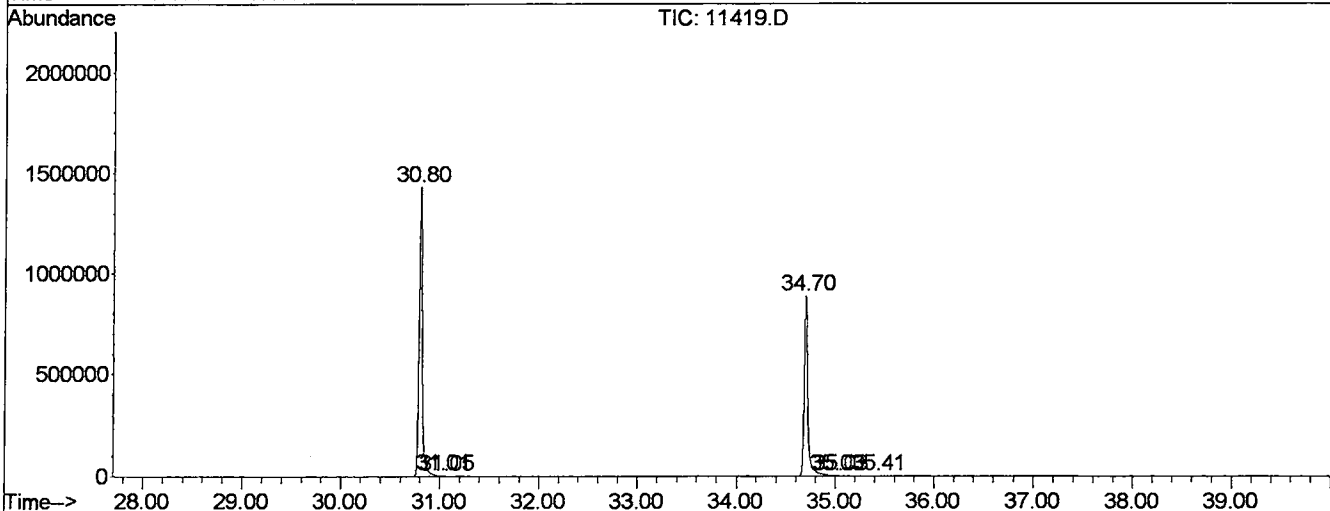
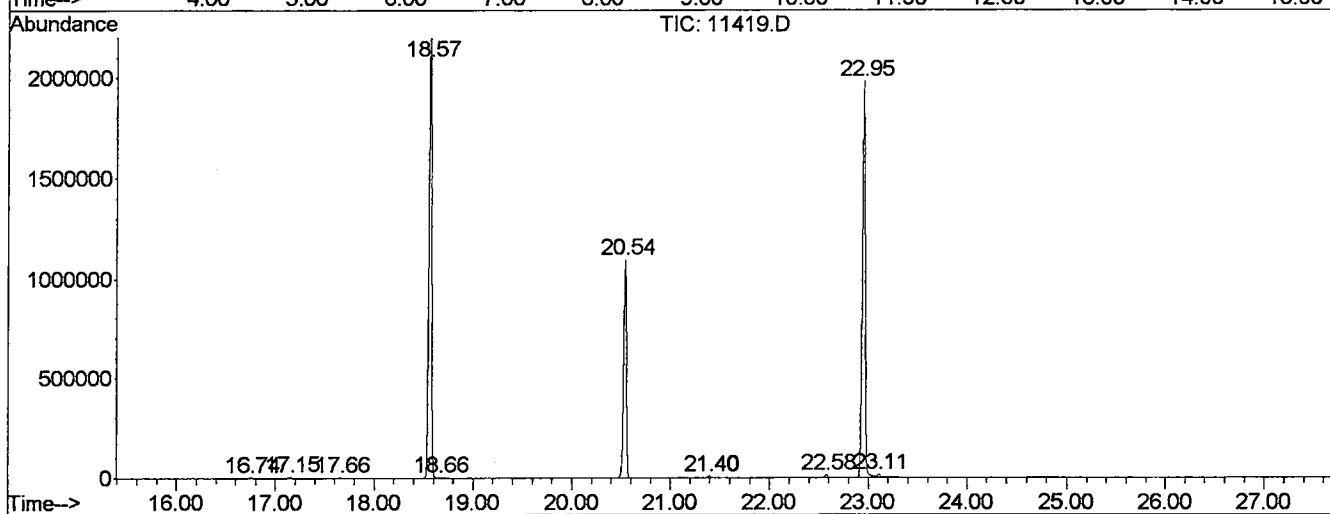
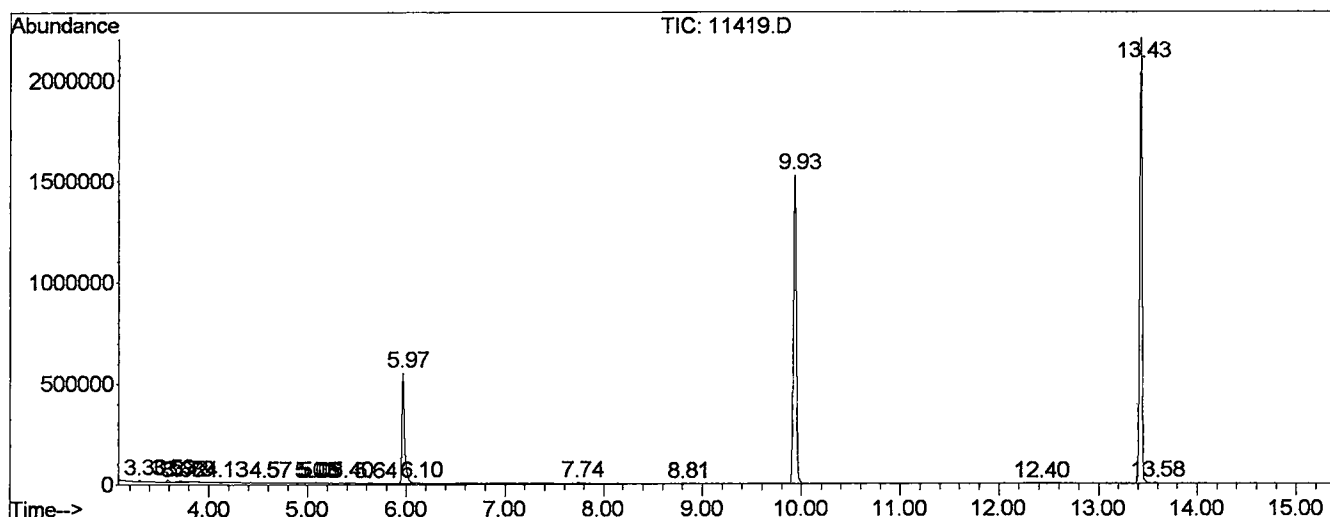
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.303	32	38	44	PV 3	6715	114196	0.27%	0.047%
2	3.590	75	87	95	PV 2	11838	213143	0.49%	0.089%
3	3.679	95	102	103	VV 6	3115	54669	0.13%	0.023%
4	3.720	103	109	119	VV 6	6228	258049	0.60%	0.107%
5	3.784	119	120	122	VV 2	4398	42672	0.10%	0.018%
6	4.131	171	179	181	VV 5	2727	57510	0.13%	0.024%
7	4.572	252	254	259	PV 5	1776	19119	0.04%	0.008%
8	5.030	328	332	336	PV 7	3039	53699	0.12%	0.022%
9	5.059	336	337	340	VV 2	2826	39771	0.09%	0.017%
10	5.089	340	342	349	VV 5	2927	49335	0.11%	0.020%
11	5.400	391	395	401	VV 4	2437	39862	0.09%	0.017%
12	5.641	432	436	447	VV 6	2059	53770	0.12%	0.022%
13	5.964	485	491	513	VV	538017	10380523	24.10%	4.312%
14	6.105	513	515	523	VV 5	3214	63204	0.15%	0.026%
15	7.739	790	793	804	PV 4	5363	117052	0.27%	0.049%
16	8.814	972	976	982	PV 6	2100	42958	0.10%	0.018%
17	9.930	1157	1166	1189	PV	1500587	30072620	69.81%	12.492%
18	12.404	1581	1587	1592	PV 2	1807	28485	0.07%	0.012%
19	13.426	1746	1761	1782	PV	2168305	39799671	92.39%	16.532%
20	13.579	1782	1787	1794	VV 2	6158	111581	0.26%	0.046%
21	16.746	2319	2326	2334	VV 3	3289	60228	0.14%	0.025%
22	17.151	2385	2395	2403	PV 3	5872	99175	0.23%	0.041%
23	17.657	2476	2481	2489	VV 4	2392	38804	0.09%	0.016%
24	18.567	2625	2636	2650	PV	2214746	43077762	100.00%	17.894%
25	18.655	2650	2651	2658	VB 5	1973	20775	0.05%	0.009%
26	20.542	2956	2972	2982	PV	1080123	20468172	47.51%	8.502%
27	21.393	3095	3117	3128	VV 6	7452	144169	0.33%	0.060%
28	22.574	3312	3318	3329	PV 2	13827	247712	0.58%	0.103%
29	22.951	3372	3382	3403	PV 2	1955658	40451247	93.90%	16.803%
30	23.109	3403	3409	3423	VV 2	15629	385200	0.89%	0.160%
31	30.800	4701	4718	4752	PV 2	1406246	31504514	73.13%	13.087%
32	31.012	4752	4754	4758	VV 3	4339	68913	0.16%	0.029%
33	31.047	4758	4760	4774	VV 6	2794	72878	0.17%	0.030%
34	34.702	5370	5382	5430	PV 2	884183	22364084	51.92%	9.290%
35	34.995	5430	5432	5436	VV 4	3394	57054	0.13%	0.024%
36	35.025	5436	5437	5439	VV 2	2756	26781	0.06%	0.011%
37	35.413	5501	5503	5513	VV 4	2118	37325	0.09%	0.016%

Sum of corrected areas: 240736682

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\052002\11419.D
 Operator : Mclean
 Acquired : 20 May 2002 7:48 pm using AcqMethod 508SCAN
 Instrument : Instrumen
 Sample Name: 5/16 eh
 Misc Info :
 Vial Number: 9
 Quant File : 050102.RES (Chemstation Integrator)



Library Search Compound Report

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 Acq On : 20 May 2002 7:48 pm
 Sample : 5/16 eh
 Misc :
 MS Integration Params: LSCINT.e

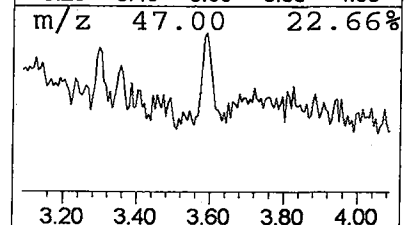
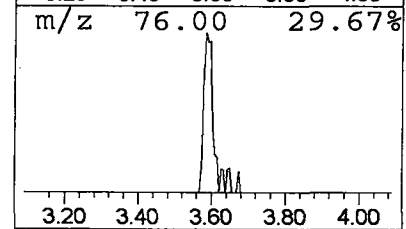
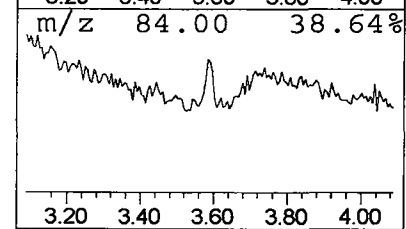
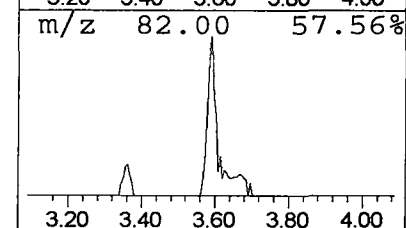
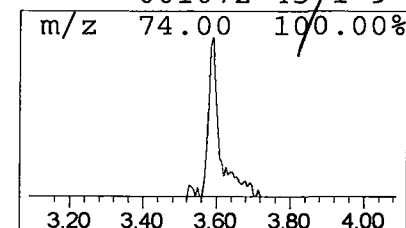
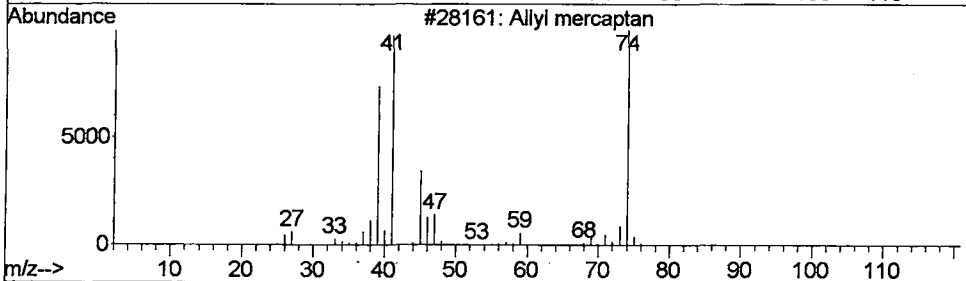
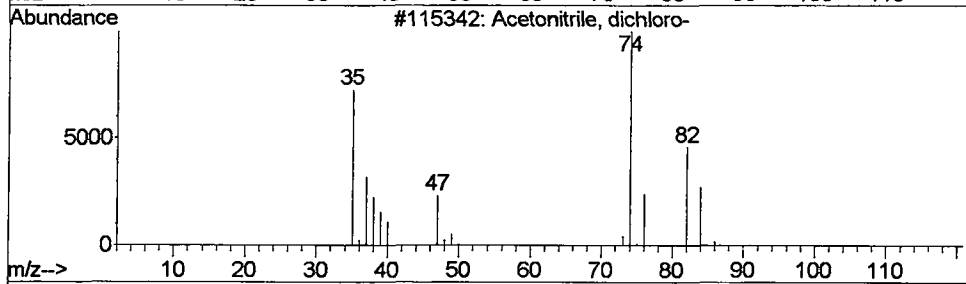
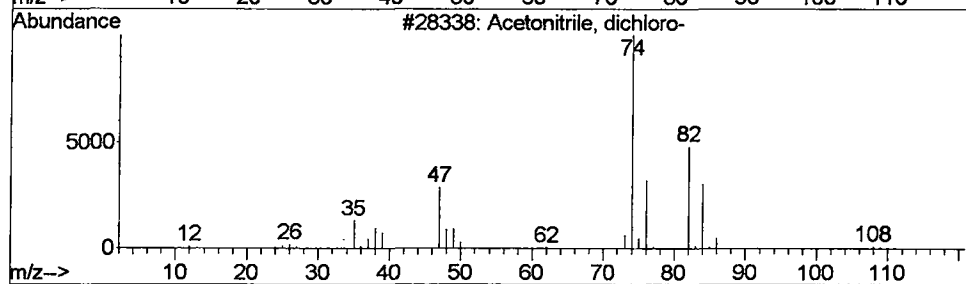
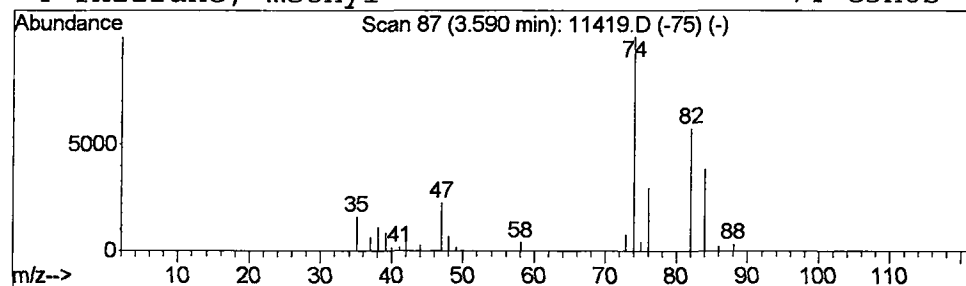
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 Multiplr: 1.00

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.
3.59	0.28 ug/L	213143	1,4-Dichlorobenzene-d4	9.93

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	50
2			Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	45
3			Allyl mercaptan	74	C3H6S	000870-23-5	25
4			Thiirane, methyl-	74	C3H6S	001072-43-1	9



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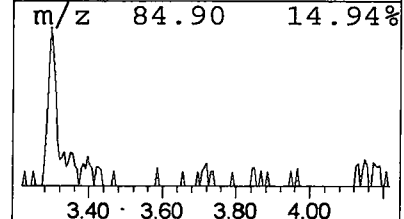
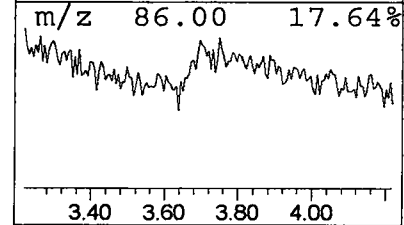
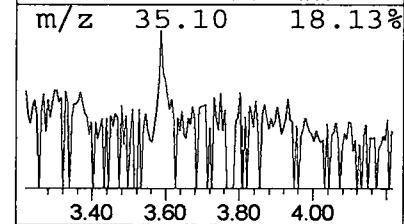
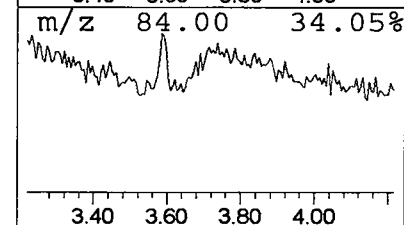
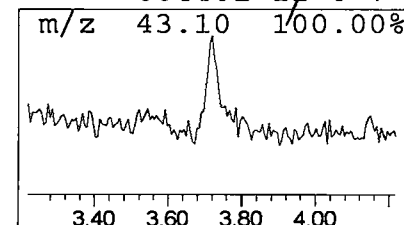
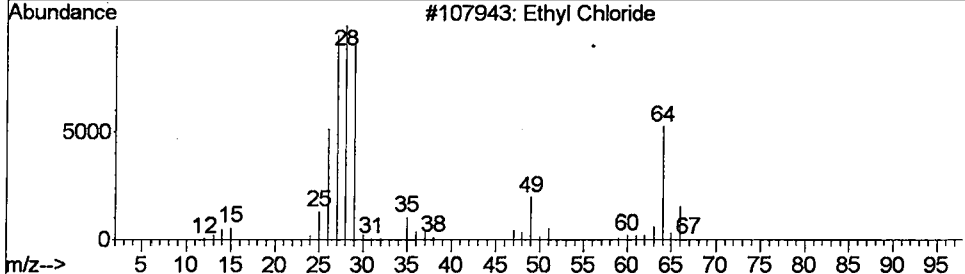
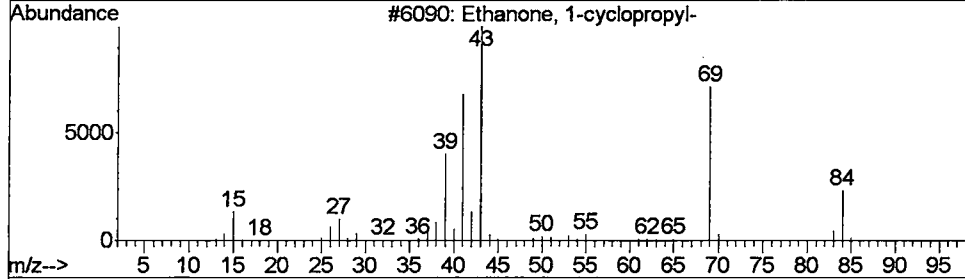
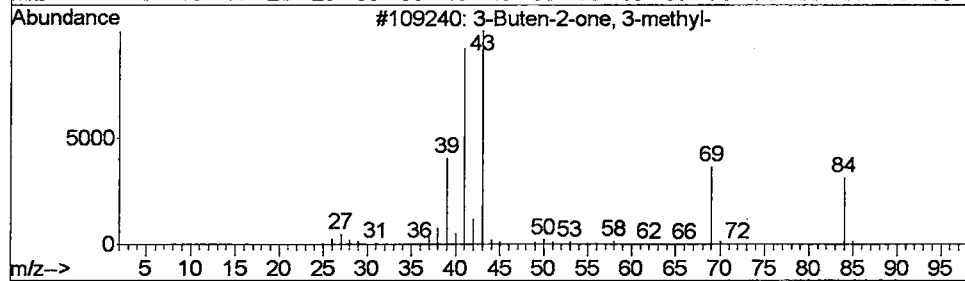
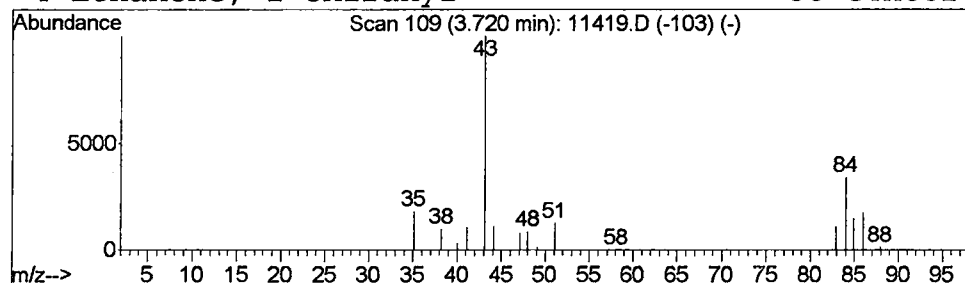
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 Title : 508 Modified GC/MS scan
 Library : C:\DATABASE\NIST98.L

 Peak Number 2 3-Buten-2-one, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.72	0.34 ug/L	258049	1,4-Dichlorobenzene-d4	9.93

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	9
2			Ethanone, 1-cyclopropyl-	84	C5H8O	000765-43-5	9
3			Ethyl Chloride	64	C2H5Cl	000075-00-3	9
4			Ethanone, 1-oxiranyl-	86	C4H6O2	004401-11-0	7



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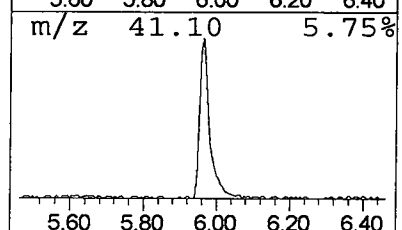
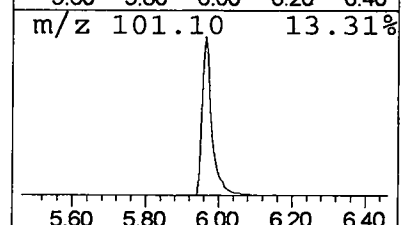
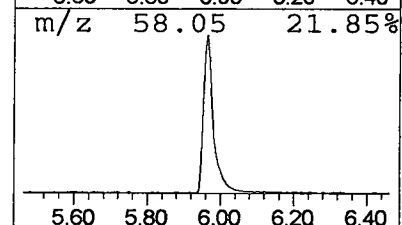
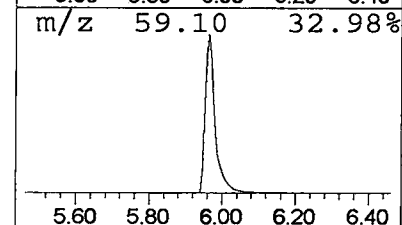
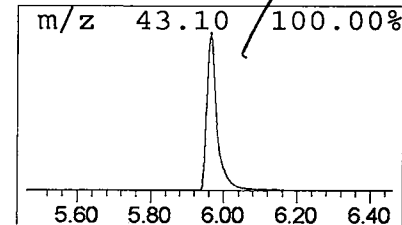
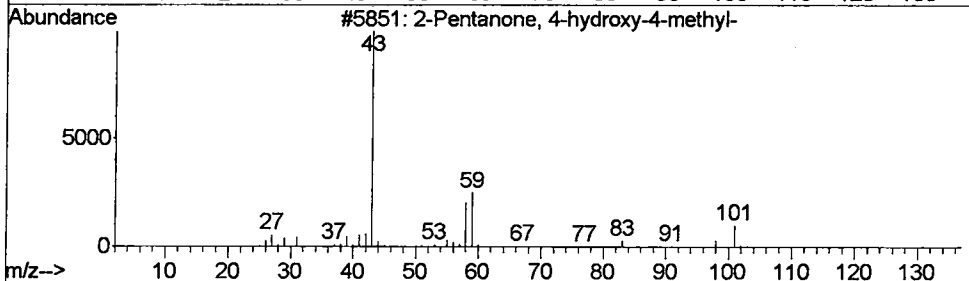
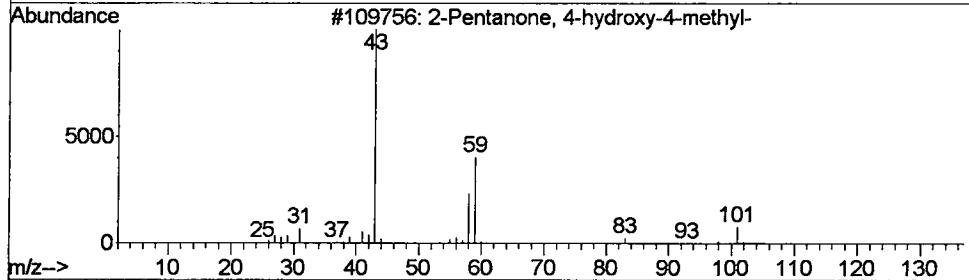
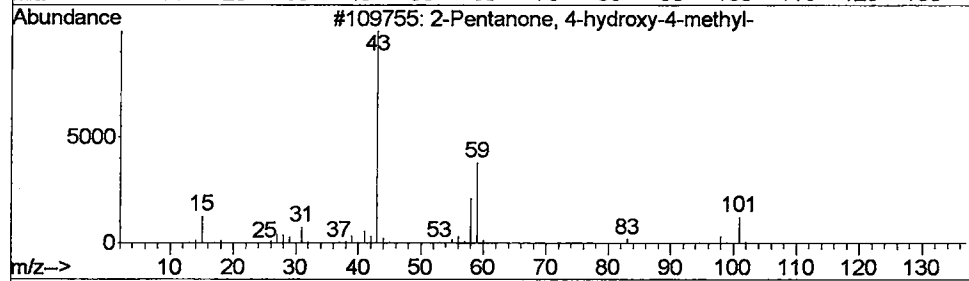
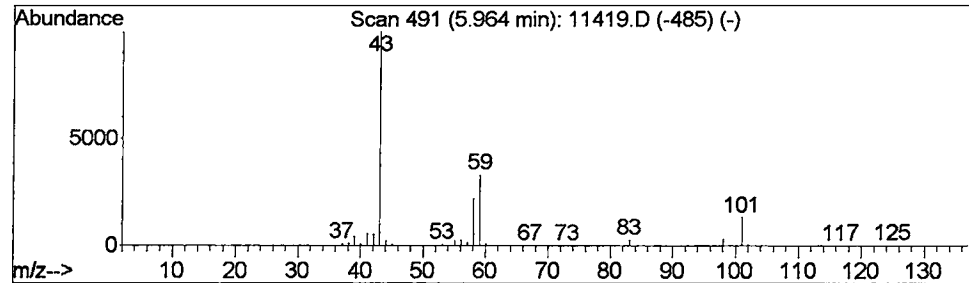
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 Title : 508 Modified GC/MS scan
 Library : C:\DATABASE\NIST98.L

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	13.81 ug/L	10380500	1,4-Dichlorobenzene-d4	9.93

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



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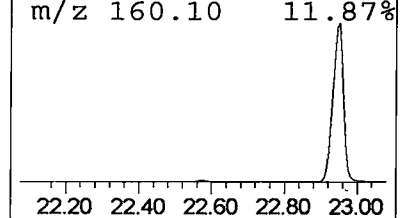
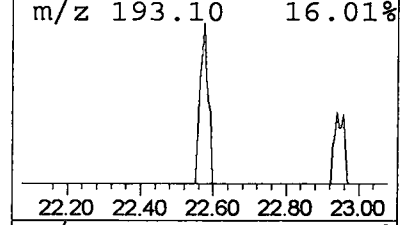
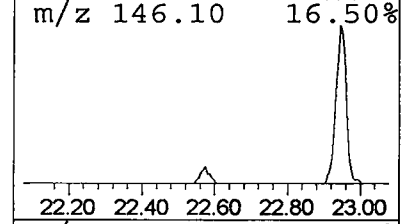
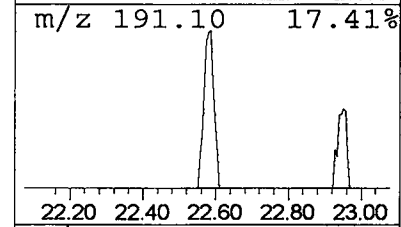
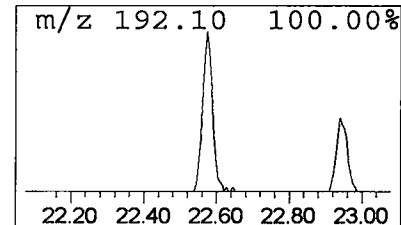
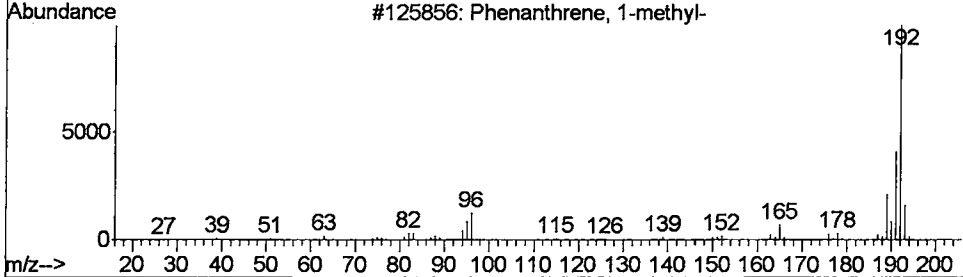
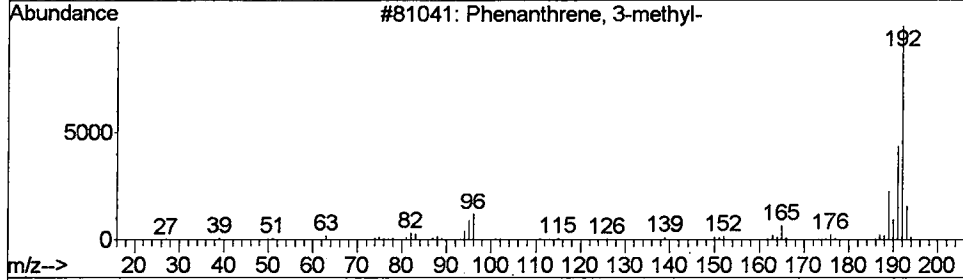
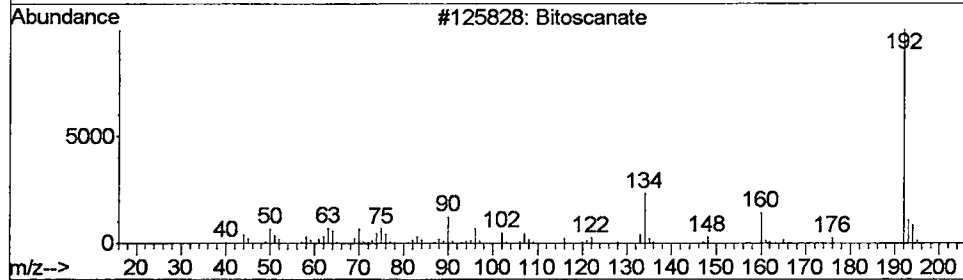
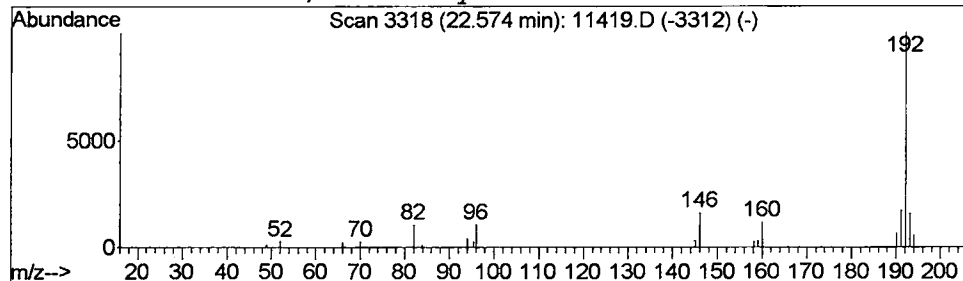
Vial: 9
 Operator: Mclean
 Inst : Instrumen
 Multiplr: 1.00

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

 Peak Number 4 Bitoscanate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.24 ug/L	247712	Phenanthranene-d10	22.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bitoscanate	192	C8H4N2S2	004044-65-9	53
2			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	42
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
4			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	42



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052002\11419.D
Acq On : 20 May 2002 7:48 pm
Sample : 5/16 eh
Misc :
MS Integration Params: LSCINT.e

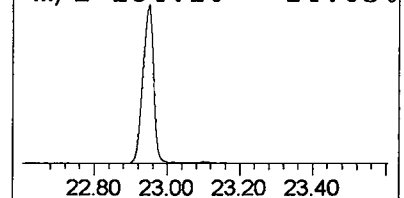
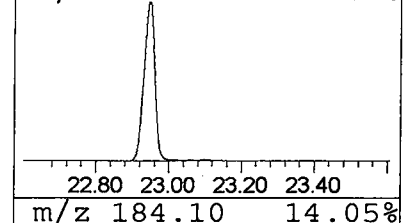
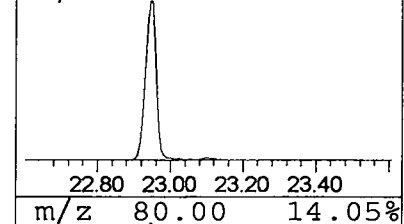
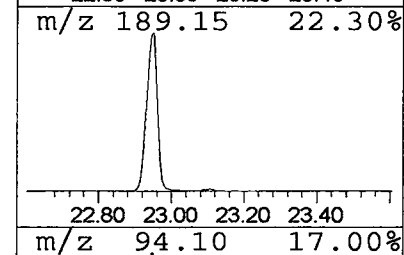
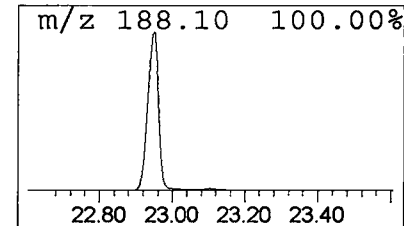
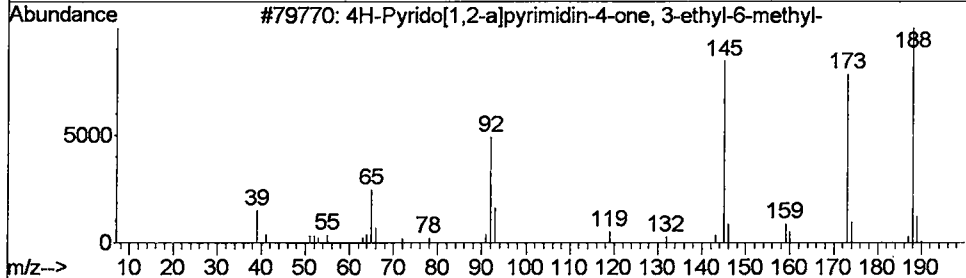
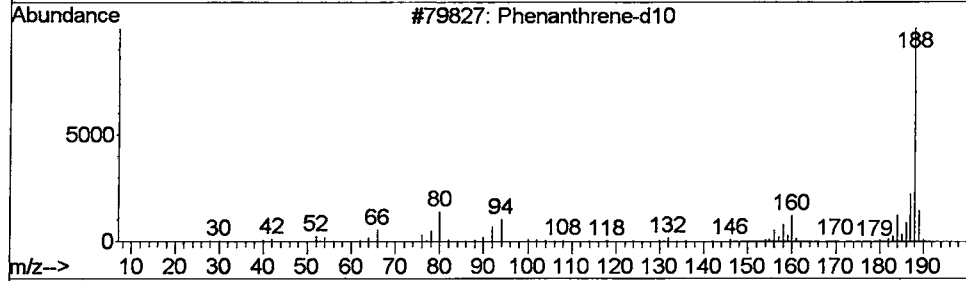
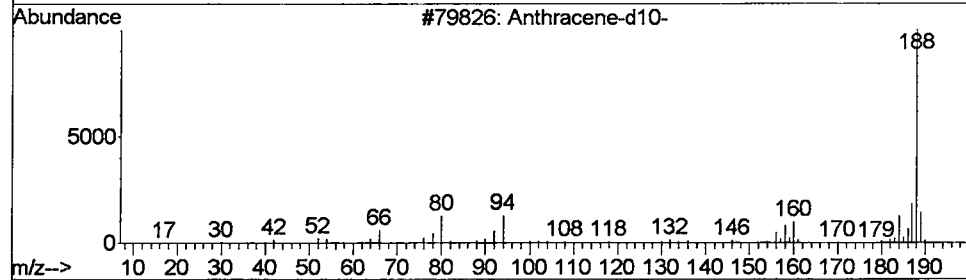
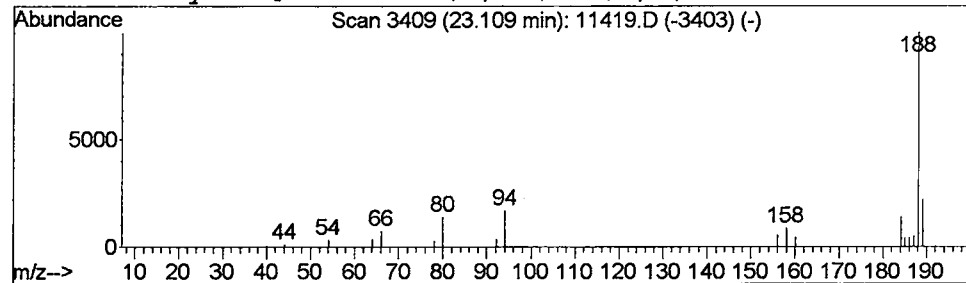
Vial: 9
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

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-d10- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.38 ug/L	385200	Phenanthrene-d10	22.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene-d10-	188	C14D10	001719-06-8	72
2			Phenanthrene-d10	188	C14D10	001517-22-2	45
3			4H-Pyrido[1,2-a]pyrimidin-4-one,...	188	C11H12N2O	057773-19-0	40
4			Pentacyclo[7.3.1.1.1.(4,12).0(2,7)...]	188	C14H20	1000215-61-8	36



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Tentatively Identified Compound (LSC) summary

Operator ID: Mclean Date Acquired: 20 May 2002 7:48 pm
Data File: C:\MSDCHEM\1\DATA\052002\11419.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...	3.59	0.3	ug/L	213143	1	9.93	30072600	40.0
3-Buten-2-one, 3-...	3.72	0.3	ug/L	258049	1	9.93	30072600	40.0
2-Pentanone, 4-hy...	5.97	13.8	ug/L	10380500	1	9.93	30072600	40.0
Bitoscanate	22.58	0.2	ug/L	247712	4	22.95	40451200	40.0
Anthracene-d10-	23.11	0.4	ug/L	385200	4	22.95	40451200	40.0