User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/15/2002 Time: 15:03:15

Sample: AE09568
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/15/02 15:02 Ended: 5/15/02 15:02 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		77		10.0

Comments for Sample AE09568 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-15-2002 Time: 15:03:27

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
Recoveries for 4 of the 43 compounds in the LCS Standard were low.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\050902\9568.D Vial: 23
Acq On : 10 May 2002 10:02 am Operator: Mclean
Sample : 5/8 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 13 11:44:23 2002 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	9.94	152	7127771	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	28416495	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	15477724	40.00	ug/L	0.00
29) Phenanthranene-d10	22.96	188	22368922	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	16049649	40.00	ug/L	0.00
43) Perylene-d12	34.71	264	9699745	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.55	209	2889324	30.75	ug/L	0.00
Spiked Amount 40.000			Recovery = 76.88%			
Target Compounds						Qvalue
2) n-nitros-dimethyl amine	0.00	74	0	N.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	20.55	77	51620	N.D.		
30) Nnitrosodiphenylamine	20.55	169	58623	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	25.09	149	92887	N.D.		

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

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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	30.81	228	38263	N.D.	
41)	Bis(2-ethylhexyl)phthalate	31.37	149	24451	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

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Acq On : 10 May 2002 10:02 am Operator: Mclean
Sample : 5/8 eh Inst : Instrumen
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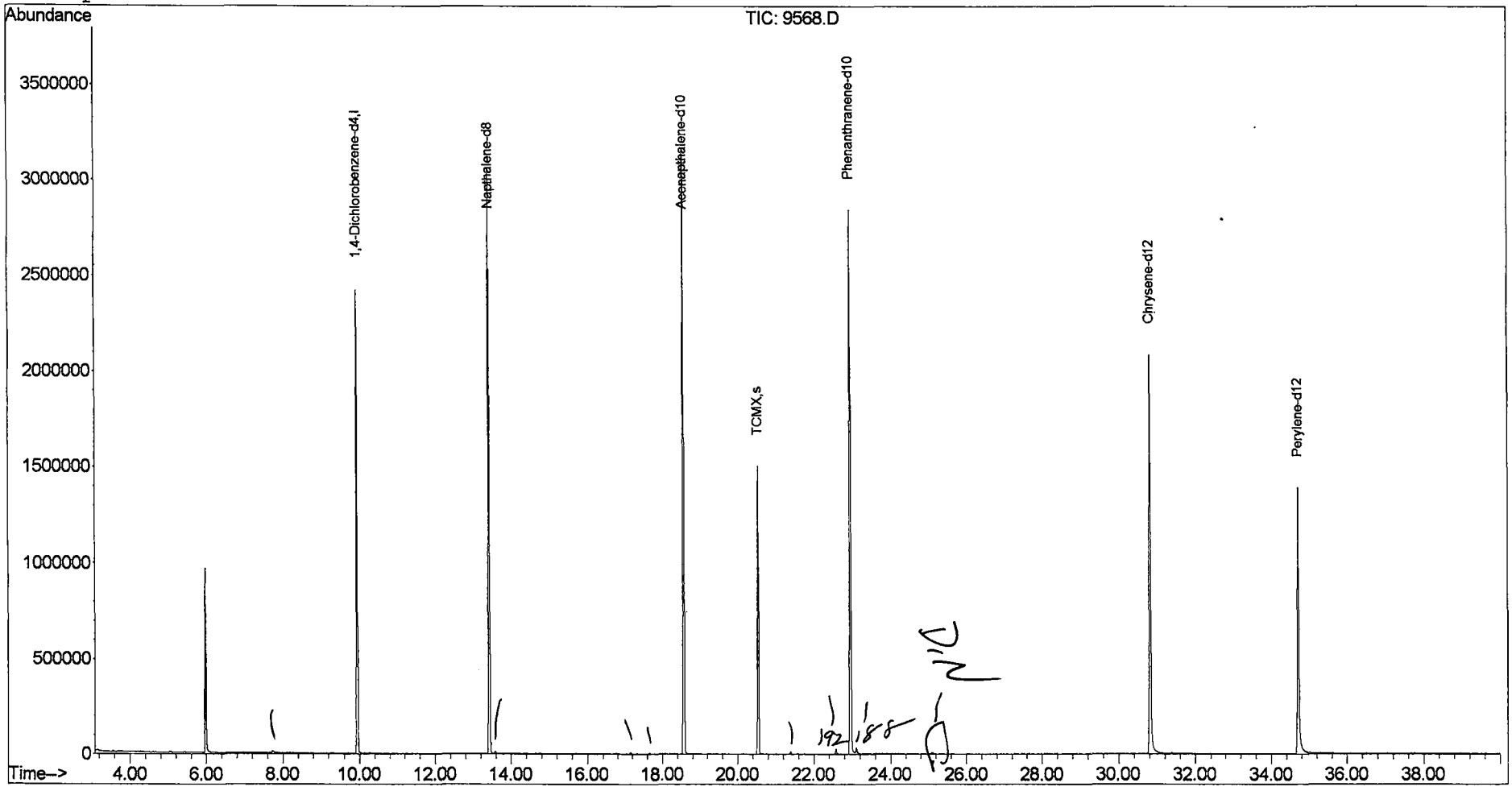
Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\050902\9568.D
Acq On : 10 May 2002 10:02 am
Sample : 5/8 eh
Misc :
MS Integration Params: LSCINT.e

Vial: 23
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

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

Signal : TIC

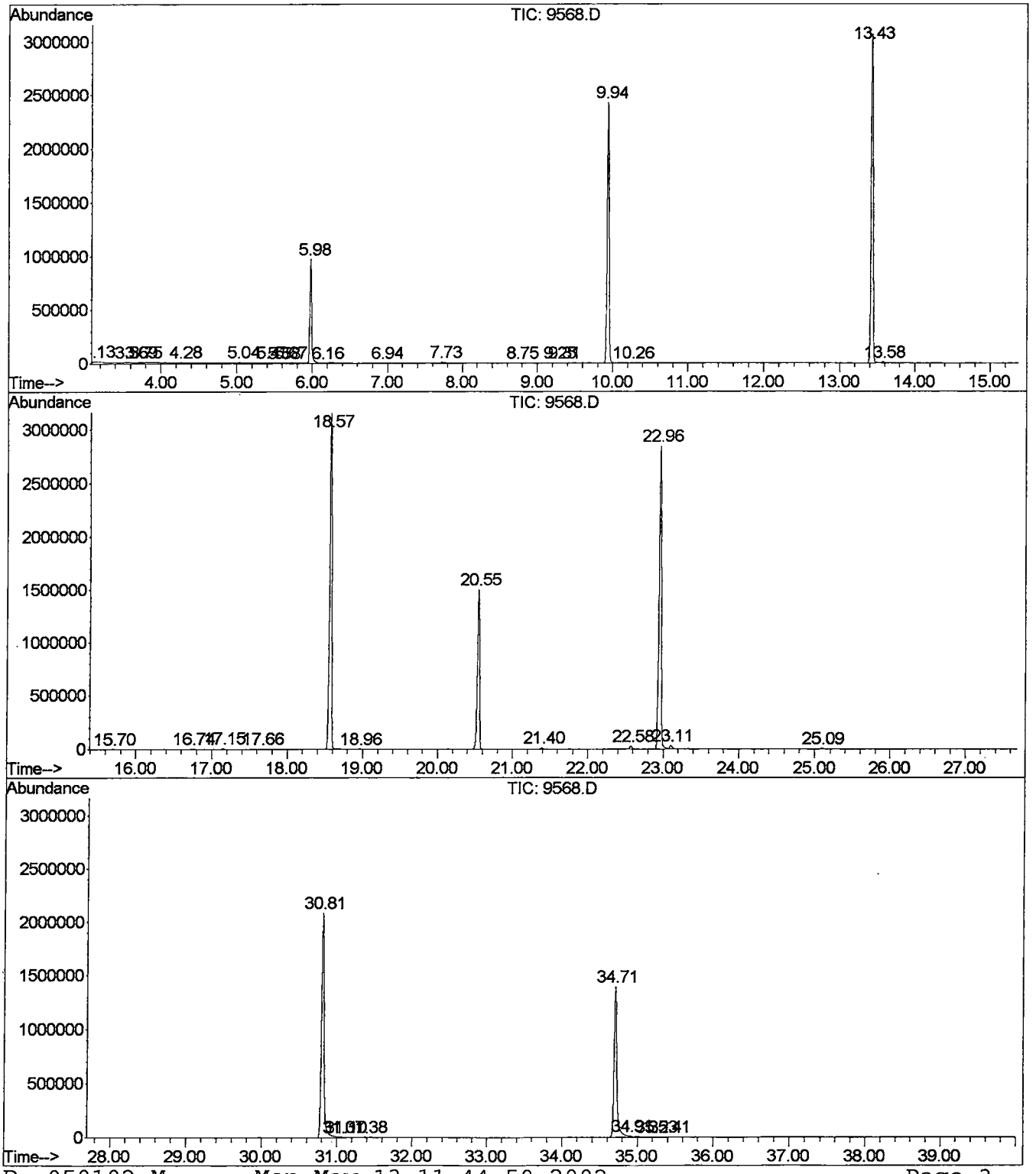
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.132	3	9	21	BV 4	3983	97946	0.15%	0.027%
2	3.555	78	81	91	PV 10	3190	66680	0.10%	0.018%
3	3.690	95	104	111	PV 7	3095	98372	0.15%	0.027%
4	3.749	111	114	122	VV 7	3364	92135	0.14%	0.025%
5	4.278	197	204	210	PV 4	3752	57036	0.09%	0.016%
6	5.036	329	333	349	VV 4	5715	153801	0.24%	0.042%
7	5.429	396	400	412	VV 4	3887	84885	0.13%	0.023%
8	5.576	412	425	433	PV 8	1875	85773	0.13%	0.024%
9	5.670	433	441	443	VV 4	2373	51519	0.08%	0.014%
10	5.982	483	494	522	PV	940085	16119137	25.27%	4.432%
11	6.158	522	524	533	VV 5	2357	61178	0.10%	0.017%
12	6.945	654	658	659	VV 3	1811	17753	0.03%	0.005%
13	7.727	786	791	802	PV 2	10840	271365	0.43%	0.075%
14	8.755	956	966	973	VV 7	2458	66415	0.10%	0.018%
15	9.248	1045	1050	1056	PV 5	1697	31191	0.05%	0.009%
16	9.307	1056	1060	1071	VV 5	2944	75901	0.12%	0.021%
17	9.936	1157	1167	1191	PV	2374619	43931642	68.88%	12.080%
18	10.259	1215	1222	1236	PV 6	4616	96739	0.15%	0.027%
19	13.432	1749	1762	1779	PV	3061309	58504527	91.73%	16.087%
20	13.585	1779	1788	1794	VV 2	10335	203779	0.32%	0.056%
21	15.700	2142	2148	2156	VV 5	2683	48725	0.08%	0.013%
22	16.740	2321	2325	2336	PV 4	5459	137587	0.22%	0.038%
23	17.151	2389	2395	2403	VV 2	9832	163081	0.26%	0.045%
24	17.662	2475	2482	2487	BV 3	4054	66412	0.10%	0.018%
25	18.573	2625	2637	2657	PV	3139123	63777908	100.00%	17.537%
26	18.961	2697	2703	2713	PV 4	2208	47588	0.07%	0.013%
27	20.547	2960	2973	2988	VV	1496405	29148345	45.70%	8.015%
28	21.399	3109	3118	3125	VV 2	12834	231758	0.36%	0.064%
29	22.580	3310	3319	3336	VV 2	27028	513826	0.81%	0.141%
30	22.956	3367	3383	3402	PV 2	2812914	61594752	96.58%	16.936%
31	23.109	3402	3409	3422	VV 2	29840	714360	1.12%	0.196%
32	25.089	3735	3746	3770	PV	6114	143866	0.23%	0.040%
33	30.812	4705	4720	4761	VV 2	2065592	50477855	79.15%	13.880%
34	31.064	4761	4763	4767	VV 4	5719	114363	0.18%	0.031%
35	31.100	4767	4769	4776	VV 4	4367	92729	0.15%	0.025%
36	31.376	4808	4816	4826	VV 6	5372	125088	0.20%	0.034%
37	34.707	5368	5383	5416	PV 2	1394743	35504140	55.67%	9.762%

38	34.907	5416	5417	5444	VV	9	10795	550663	0.86%	0.151%
39	35.230	5467	5472	5479	VV	7	1899	23990	0.04%	0.007%
40	35.407	5499	5502	5512	VV	5	1430	37452	0.06%	0.010%

Sum of corrected areas: 363682263

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\050902\9568.D
Operator : Mclean
Acquired : 10 May 2002 10:02 am using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/8 eh
Misc Info :
Vial Number: 23
Quant File :050102.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050902\9568.D Vial: 23
Acq On : 10 May 2002 10:02 am Operator: Mclean
Sample : 5/8 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

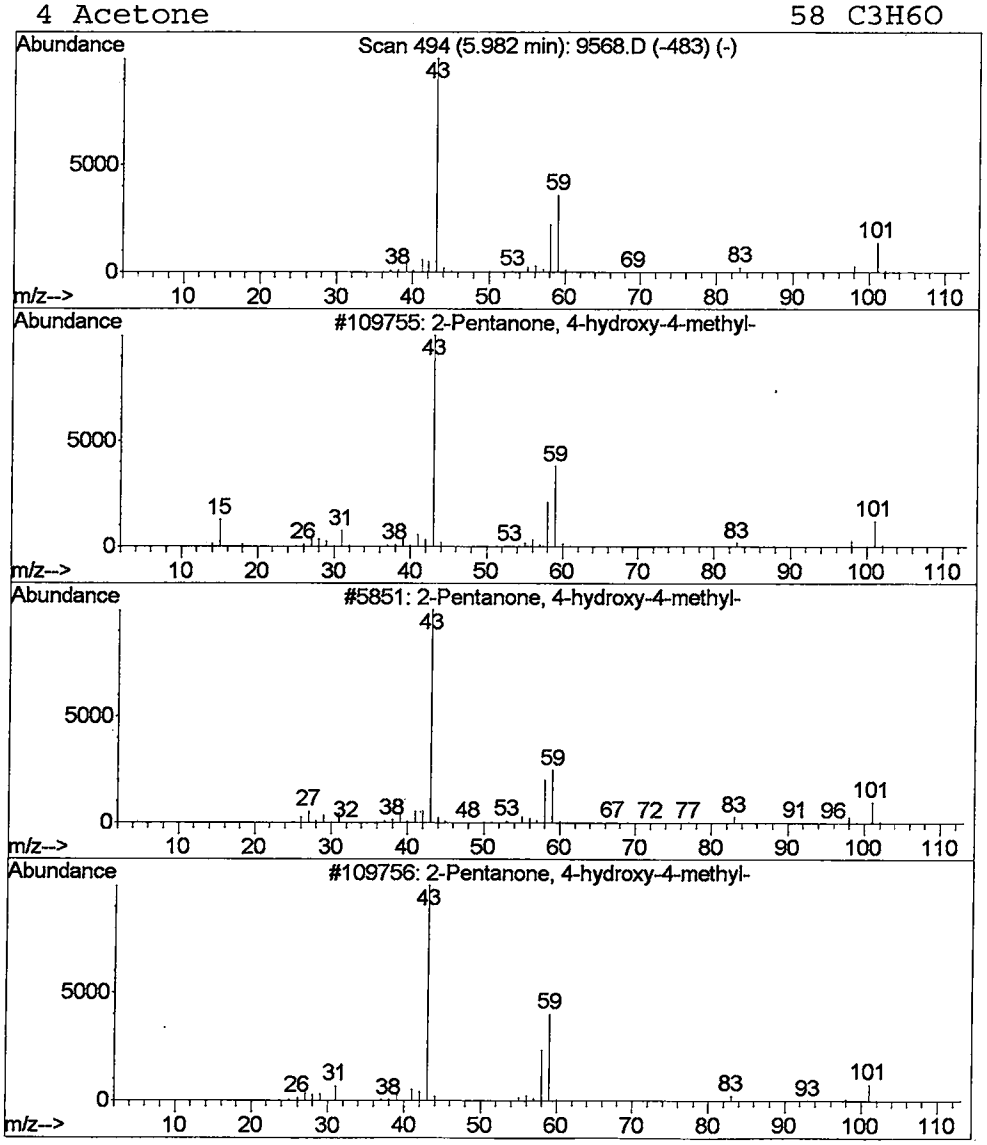
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

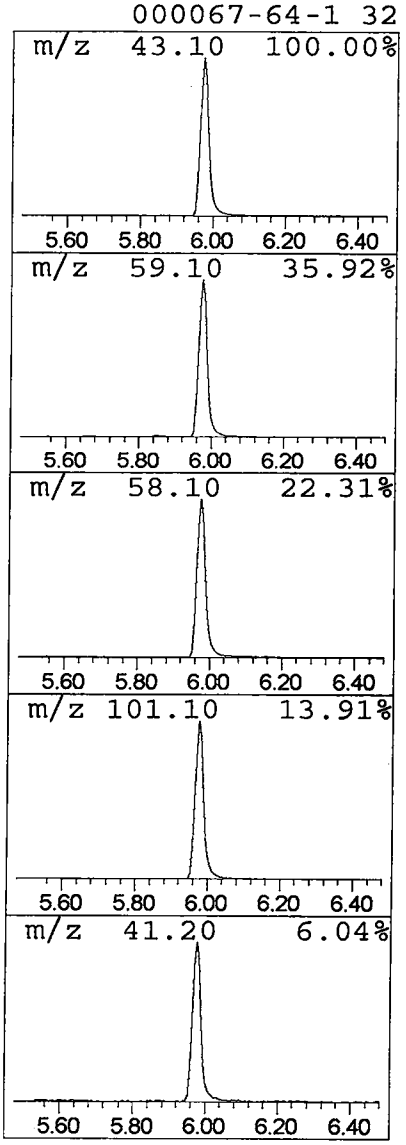
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.98	14.68 ug/L	16119100	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	90
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	83
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
4	Acetone	58	C3H6O	000067-64-1	32





Library Search Compound Report

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Sample : 5/8 eh
Misc :
MS Integration Params: LSCINT.e

Vial: 23
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

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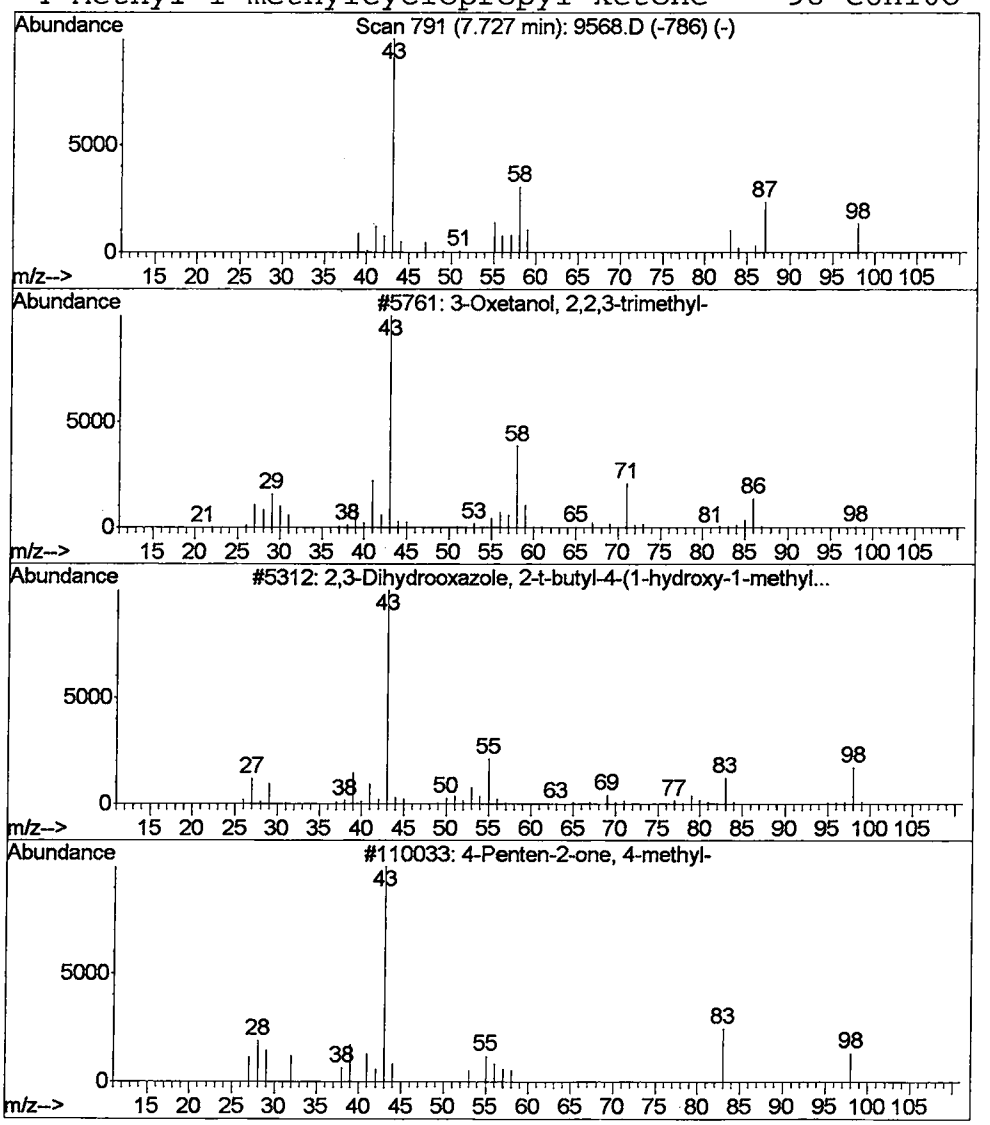
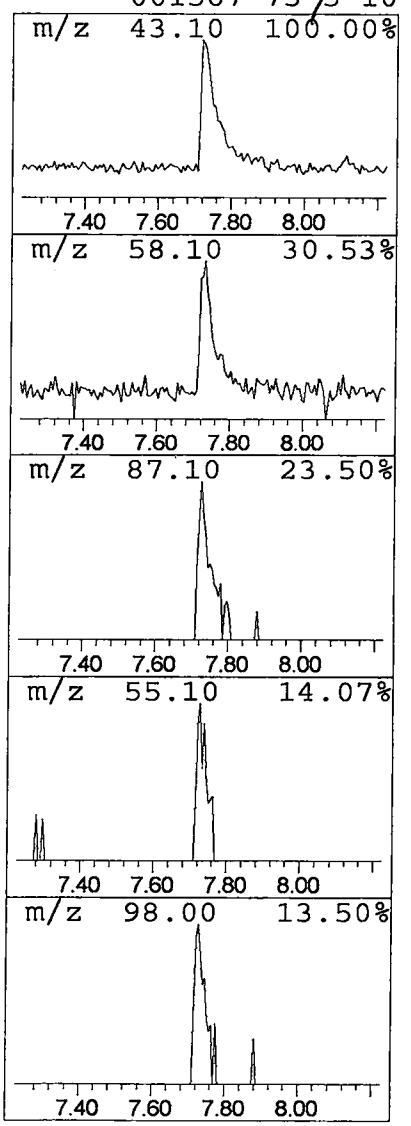
****

Peak Number 2 3-Oxetanol, 2,2,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	0.25 ug/L	271365	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Oxetanol, 2,2,3-trimethyl-	116	C6H12O2	025910-96-7	25
2	2,3-Dihydrooxazole, 2-t-butyl-4-...	98	C6H10O	036808-01-2	12
3	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	12
4	Methyl 1-methylcyclopropyl ketone	98	C6H10O	001567-75-5	10





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MS Integration Params: LSCINT.e

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Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
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Library : C:\DATABASE\NIST98.L

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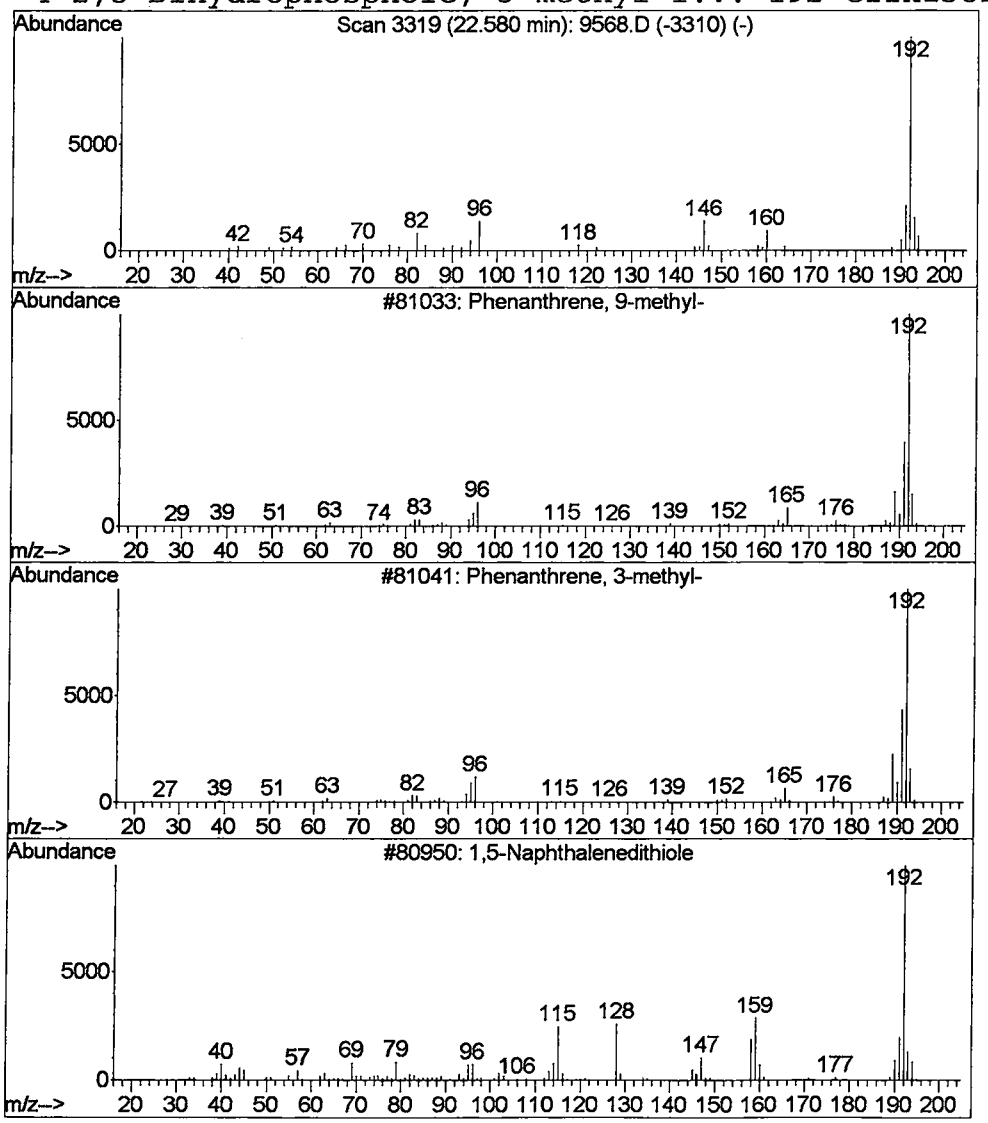
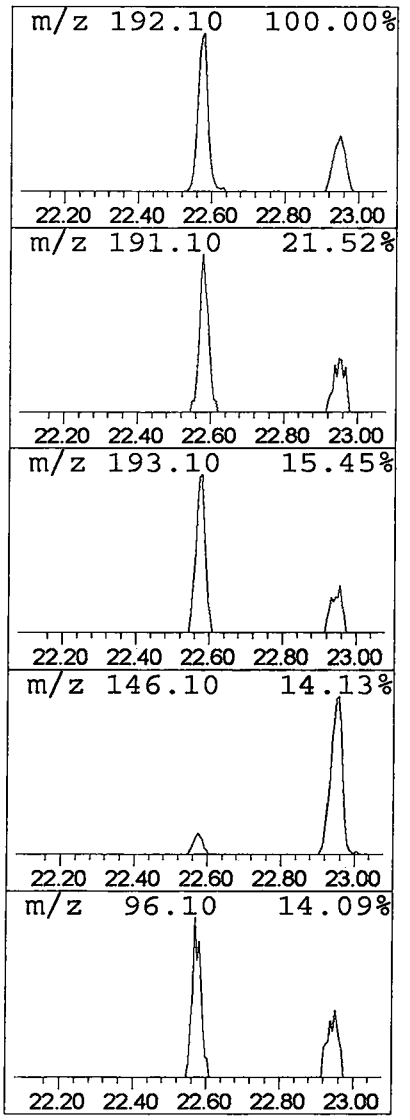
Peak Number 3 Phenanthrene, 9-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.33 ug/L	513826	Phenanthranene-d10	22.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	58
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	50
3	1,5-Naphthalenedithiole	192	C10H8S2	1000223-69-5	50
4	2,5-Dihydrophosphole, 3-methyl-1...	192	C11H13OP	1000196-97-5	45





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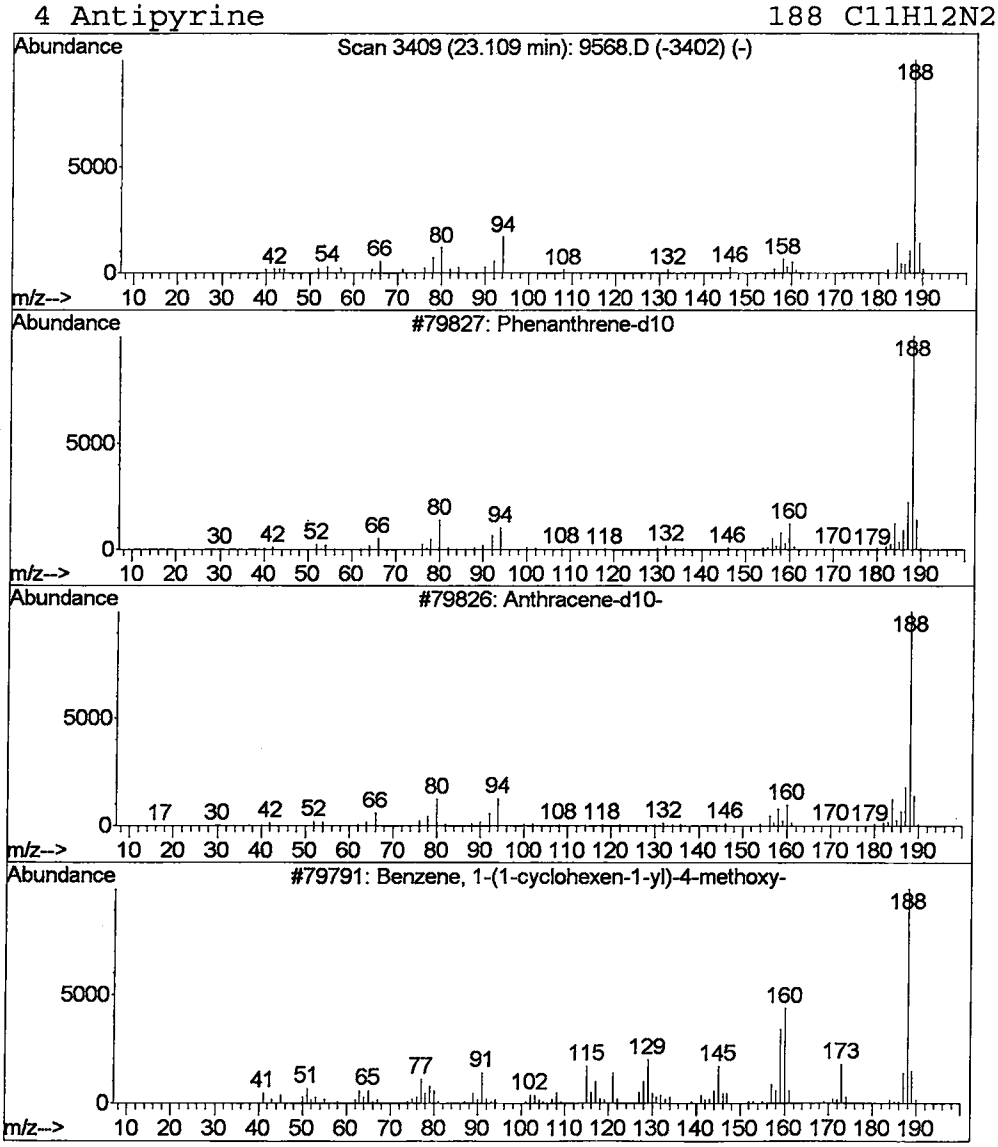
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

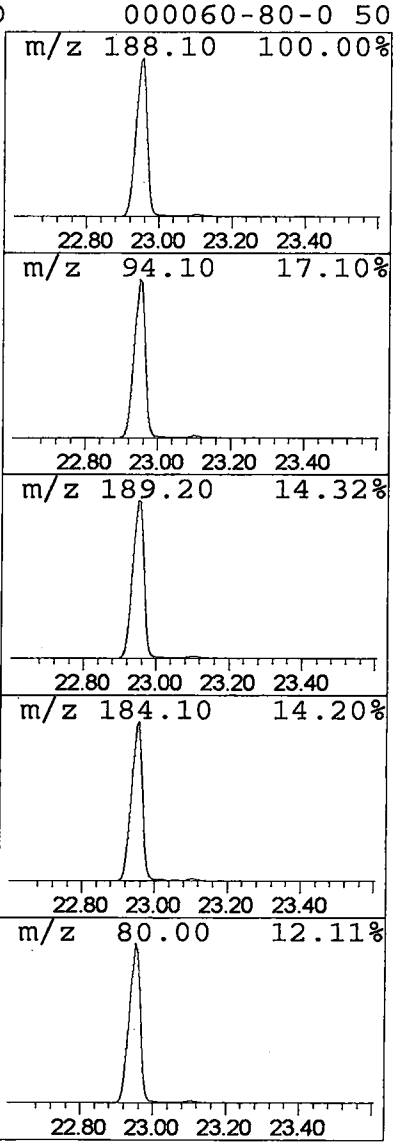
****

Peak Number 4 Phenanthrene-d10 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.46 ug/L	714360	Phenanthranene-d10	22.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene-d10	188	C14D10	001517-22-2	80
2	Anthracene-d10-	188	C14D10	001719-06-8	59
3	Benzene, 1-(1-cyclohexen-1-yl)-4...	188	C13H16O	020758-60-5	58
4	Antipyrine	188	C11H12N2O	000060-80-0	50





Library Search Compound Report

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Acq On : 10 May 2002 10:02 am Operator: Mclean
Sample : 5/8 eh Inst : Instrumen
Misc : Multiplr: 1.00
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Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
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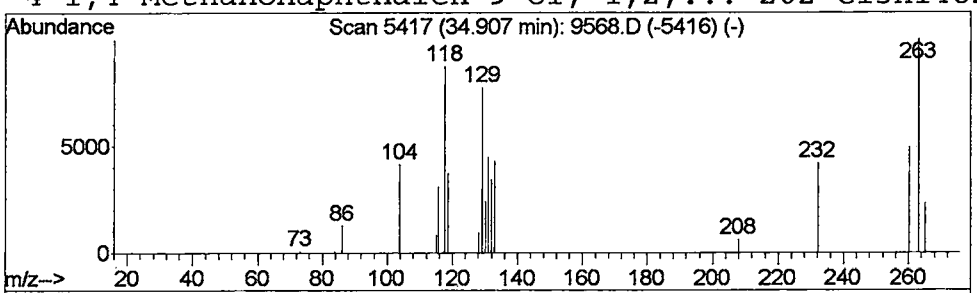
Library : C:\DATABASE\NIST98.L

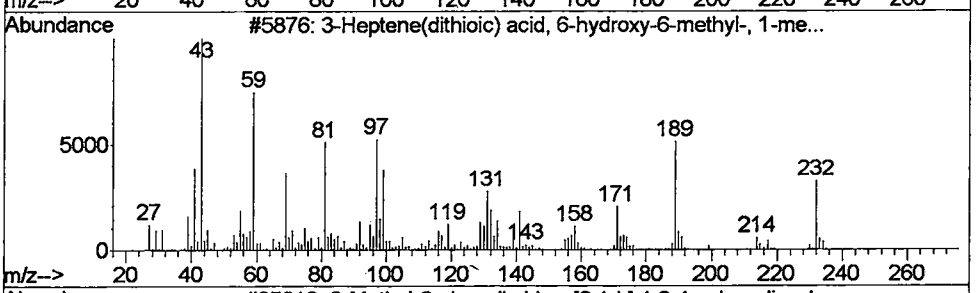
****

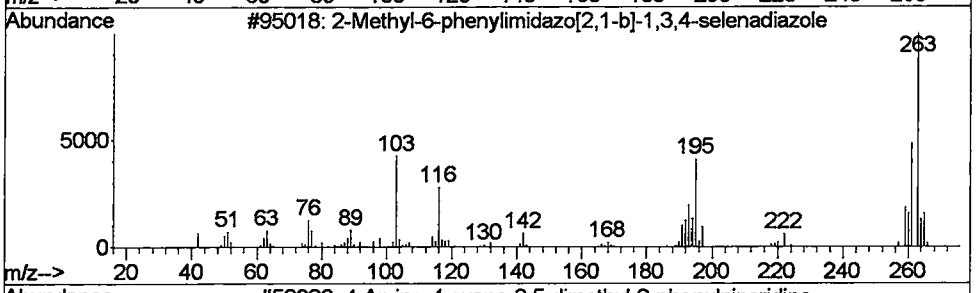
Peak Number 5 3-Heptene(dithioic) acid, 6... Concentration Rank 2

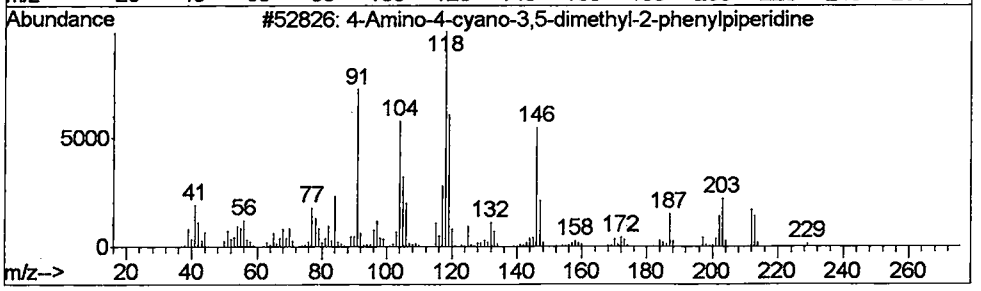
R.T.	EstConc	Area	Relative to ISTD	R.T.
34.91	0.62 ug/L	550663	Perylene-d12	34.71

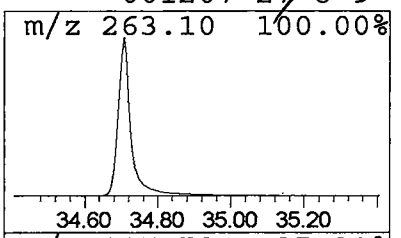
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptene(dithioic) acid, 6-hydr...	232	C11H20OS2	083041-11-6	9
2	2-Methyl-6-phenylimidazo[2,1-b]-...	263	C11H9N3Se	1000211-79-9	9
3	4-Amino-4-cyano-3,5-dimethyl-2-p...	229	C14H19N3	1000216-11-1	9
4	1,4-Methanonaphthalen-9-ol, 1,2,...	202	C13H14O2	001207-27-8	9

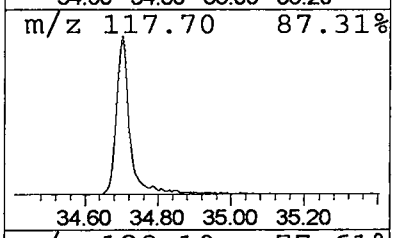


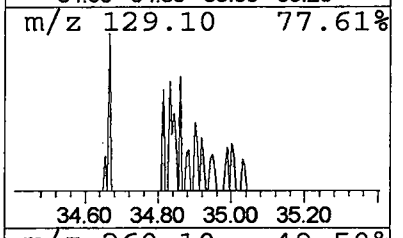


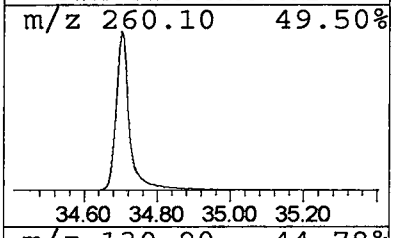


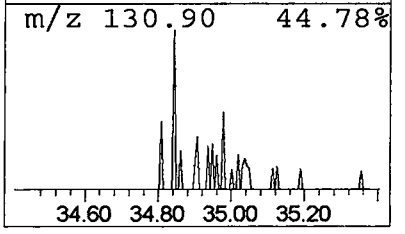












Tentatively Identified Compound (LSC) summary

Operator ID: Mclean Date Acquired: 10 May 2002 10:02 am
Data File: C:\MSDCHEM\1\DATA\050902\9568.D
Name: 5/8 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
2-Pentanone, 4-hy...	5.98	14.7	ug/L	16119100	1	9.94	43931600	40.0
3-Oxetanol, 2,2,3...	7.73	0.2	ug/L	271365	1	9.94	43931600	40.0
Phenanthrene, 9-m...	22.58	0.3	ug/L	513826	4	22.96	61594800	40.0
Phenanthrene-d10	23.11	0.5	ug/L	714360	4	22.96	61594800	40.0
3-Heptene(dithioi...	34.91	0.6	ug/L	550663	6	34.71	35504100	40.0