User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/14/2002 Time: 14:49:47

Sample: AE09571
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/14/02 14:48 Ended: 5/14/02 14:48 Analyst: DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		70		10.0

Comments for Sample AE09571 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-14-2002 Time: 14:50:03

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.

Data File : C:\MSDCHEM\1\DATA\050902\9571.D Vial: 8
Acq On : 9 May 2002 8:59 pm Operator: Mclean
Sample : 5/8 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 13 11:47:17 2002 Quant Results File: 050102.RES

re-printed

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	7888573	40.00	ug/L	0.01
10) Napthalene-d8	13.43	136	31647110	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	17218900	40.00	ug/L	0.00
29) Phenanthranene-d10	22.96	188	25228150	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	18323618	40.00	ug/L	0.00
43) Perylene-d12	34.71	264	11662264	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.55	209	2930693	28.03	ug/L	0.00
Spiked Amount 40.000			Recovery = 70.08%			
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	20.54	77	52442	N.D.		
30) Nnitrosodiphenylamine	20.55	169	54030	N.D.		
31) 4-Bromophenyl-phenylether	0.00	248	0	N.D.		
32) Hexachlorobenzene	0.00	284	0	N.D.		
33) Phenanthrene	22.96	178	11238	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

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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

	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	44207	N.D.	
41)	Bis(2-ethylhexyl)phthalate	31.38	149	27150	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

Quantitation Report (QT Reviewed)

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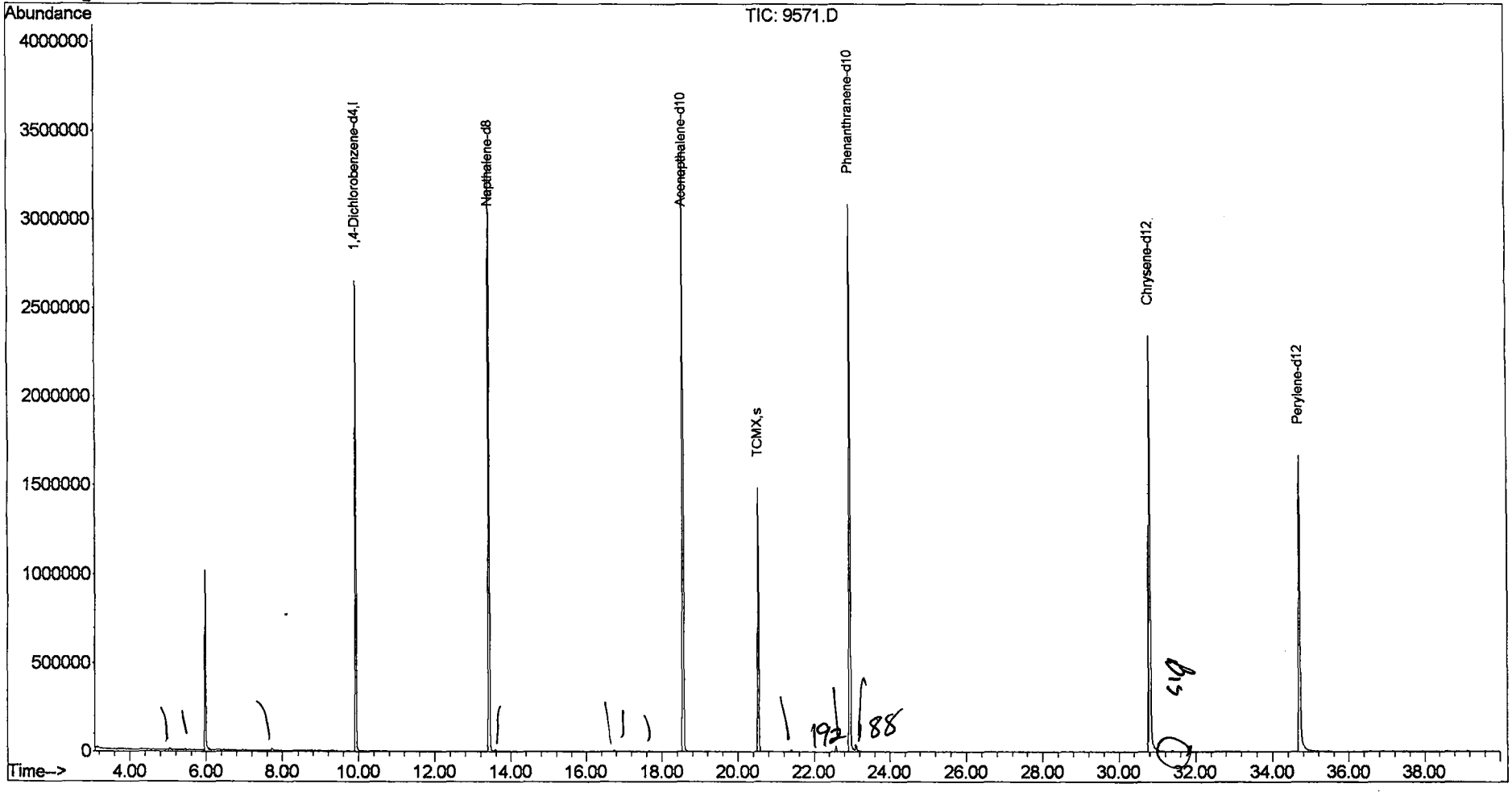
Acq On : 9 May 2002 8:59 pm Operator: Mclean
Sample : 5/8 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 13 11:47 2002 Quant Results File: 050102.RES

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



Data File : C:\MSDCHEM\1\DATA\050902\9571.D Vial: 8
Acq On : 9 May 2002 8:59 pm Operator: Mclean
Sample : 5/8 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

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

Signal : TIC

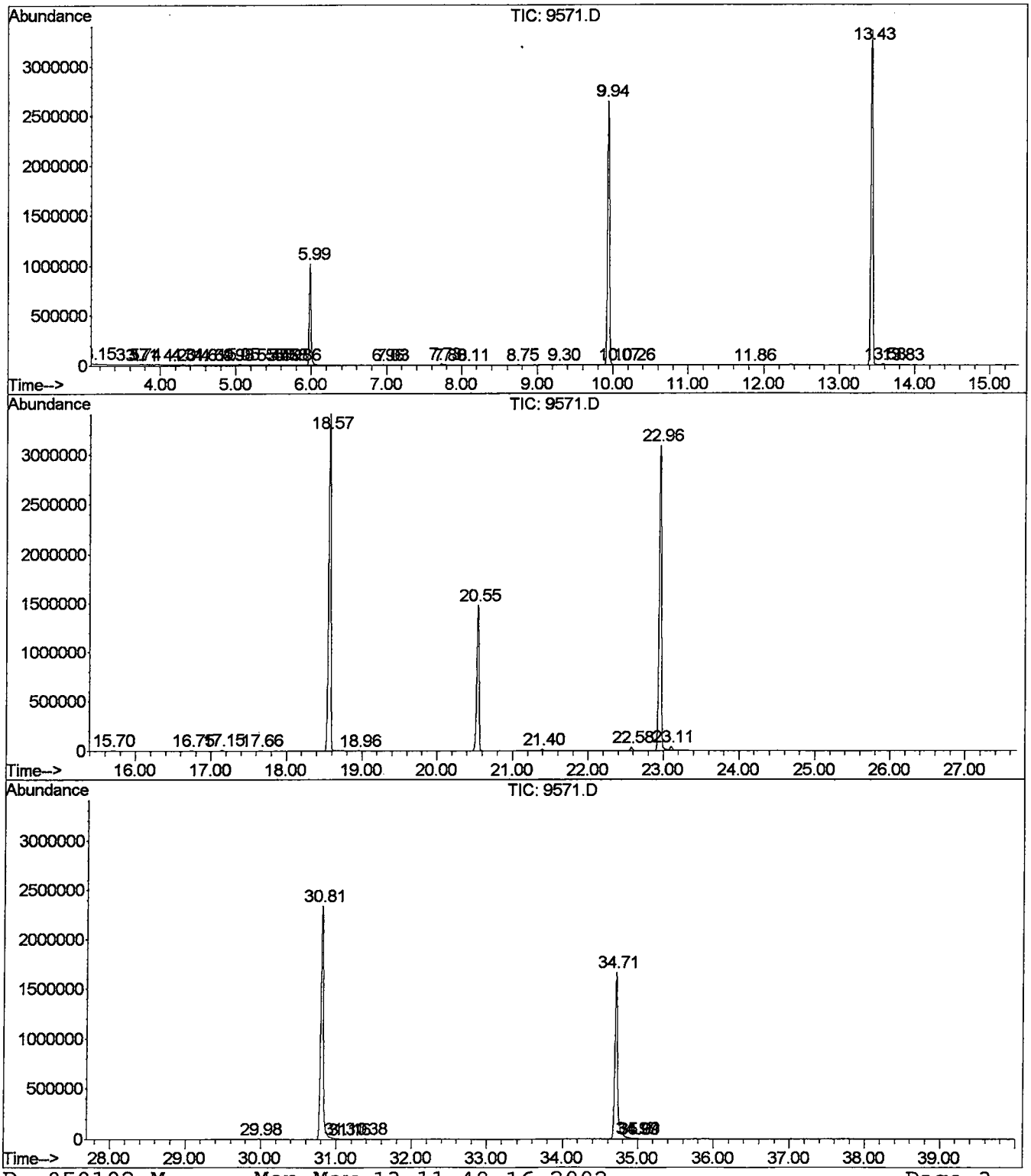
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.156	6	13	30	BV 4	5394	123612	0.18%	0.031%
2	3.573	81	84	95	PV 8	3645	70703	0.10%	0.018%
3	3.708	95	107	110	PV 6	1498	43678	0.06%	0.011%
4	3.743	110	113	121	VV 7	1305	33700	0.05%	0.008%
5	4.201	185	191	200	PV 10	2169	43482	0.06%	0.011%
6	4.307	204	209	218	VV 7	4213	102052	0.14%	0.025%
7	4.613	254	261	268	PV 7	2264	49628	0.07%	0.012%
8	4.689	268	274	277	VV 4	2360	30660	0.04%	0.008%
9	4.977	316	323	329	PV 6	4282	77988	0.11%	0.019%
10	5.047	329	335	346	VV 3	8309	204583	0.29%	0.051%
11	5.447	397	403	409	VV 3	5838	106923	0.15%	0.027%
12	5.565	417	423	426	VV 6	2886	56434	0.08%	0.014%
13	5.594	426	428	432	VV 4	2385	35253	0.05%	0.009%
14	5.682	432	443	447	VV 6	2746	103545	0.15%	0.026%
15	5.864	466	474	481	VV 7	2446	54915	0.08%	0.014%
16	5.988	486	495	524	VV	994982	16386379	23.23%	4.063%
17	6.963	650	661	667	PV 7	1832	43871	0.06%	0.011%
18	7.028	667	672	675	PV 5	1138	12862	0.02%	0.003%
19	7.733	787	792	802	PV 2	13864	334507	0.47%	0.083%
20	7.797	802	803	805	VV 2	2426	24218	0.03%	0.006%
21	8.109	851	856	862	VV 7	1738	35475	0.05%	0.009%
22	8.755	958	966	973	VV 7	2997	70964	0.10%	0.018%
23	9.307	1056	1060	1073	VV 5	3094	75116	0.11%	0.019%
24	9.942	1157	1168	1186	PV	2636517	48004731	68.04%	11.904%
25	10.065	1186	1189	1198	VV 7	2458	55074	0.08%	0.014%
26	10.265	1218	1223	1230	VV 6	2389	49368	0.07%	0.012%
27	11.863	1490	1495	1501	PV 6	1986	32266	0.05%	0.008%
28	13.432	1750	1762	1781	PV	3311245	64917162	92.01%	16.097%
29	13.585	1781	1788	1795	VV	11505	238678	0.34%	0.059%
30	13.826	1824	1829	1842	VV 7	5025	97642	0.14%	0.024%
31	15.700	2143	2148	2153	PV 3	3123	49856	0.07%	0.012%
32	16.746	2314	2326	2334	PV 2	7104	129392	0.18%	0.032%
33	17.151	2389	2395	2402	VV 4	8921	147655	0.21%	0.037%
34	17.656	2477	2481	2486	PV 4	4286	70402	0.10%	0.017%
35	18.573	2621	2637	2658	VV	3423269	70551673	100.00%	17.495%
36	18.961	2690	2703	2712	VV 5	2600	67976	0.10%	0.017%
37	20.547	2959	2973	2992	PV	1479413	29070134	41.20%	7.208%

39	22.580	3307	3319	3327	VV	2	32932	606545	0.86%	0.150%
40	22.956	3370	3383	3402	PV	2	3059931	69486242	98.49%	17.230%
41	23.109	3402	3409	3421	VV		36756	824160	1.17%	0.204%
42	29.983	4572	4579	4585	PV	4	2507	51281	0.07%	0.013%
43	30.812	4704	4720	4768	PV	2	2353384	57581971	81.62%	14.279%
44	31.100	4768	4769	4777	VV	4	3736	86698	0.12%	0.021%
45	31.159	4777	4779	4785	VV	6	2693	54191	0.08%	0.013%
46	31.376	4811	4816	4828	PV	7	6932	162034	0.23%	0.040%
47	34.713	5367	5384	5426	BV	2	1650204	42513944	60.26%	10.542%
48	34.966	5426	5427	5430	VV	3	4305	43451	0.06%	0.011%
49	34.989	5430	5431	5433	VV	2	2331	21469	0.03%	0.005%
50	35.007	5433	5434	5438	VV	3	1936	18840	0.03%	0.005%

Sum of corrected areas: 403276436

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\050902\9571.D
Operator : Mclean
Acquired : 9 May 2002 8:59 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/8 kb
Misc Info :
Vial Number: 8
Quant File :050102.RES (Chemstation Integrator)



Data File : C:\MSDCHEM\1\DATA\050902\9571.D
Acq On : 9 May 2002 8:59 pm
Sample : 5/8 kb
Misc :
MS Integration Params: LSCINT.e

Vial: 8
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

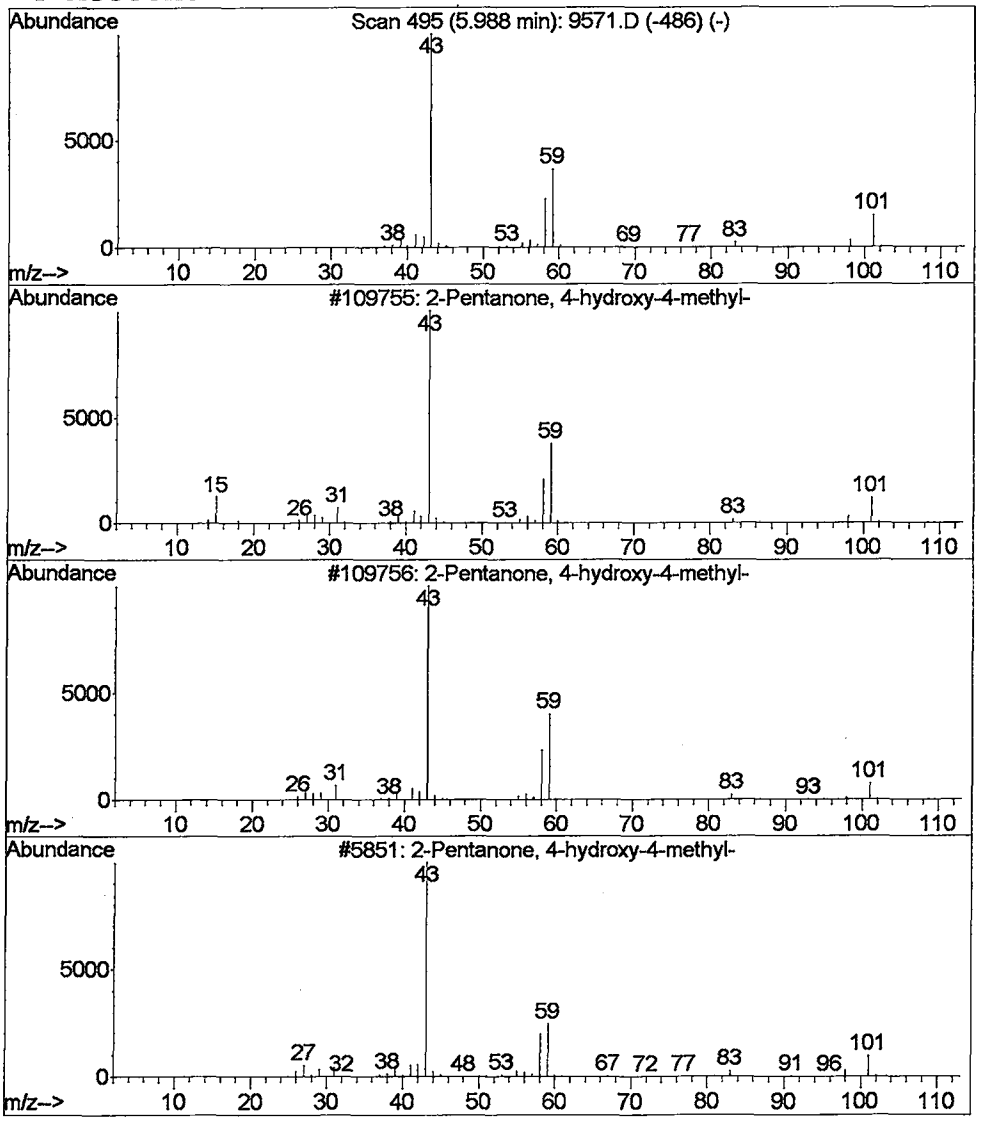
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

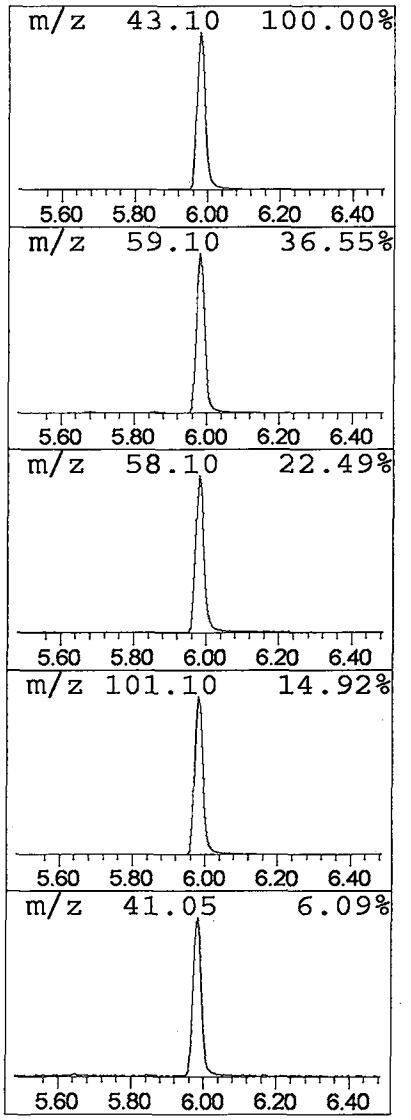
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.99	13.65 ug/L	16386400	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	72
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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Sample : 5/8 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

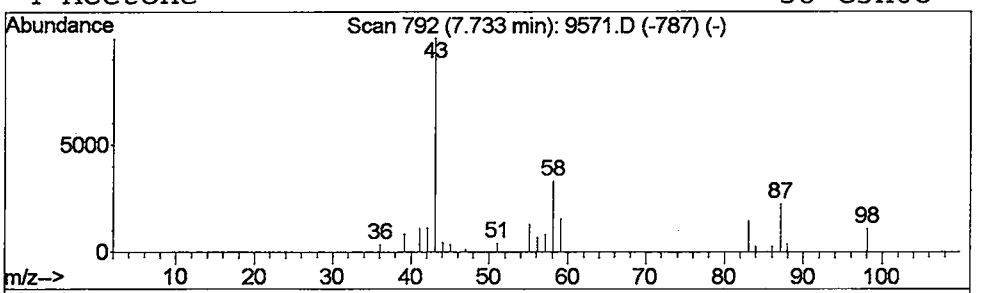
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

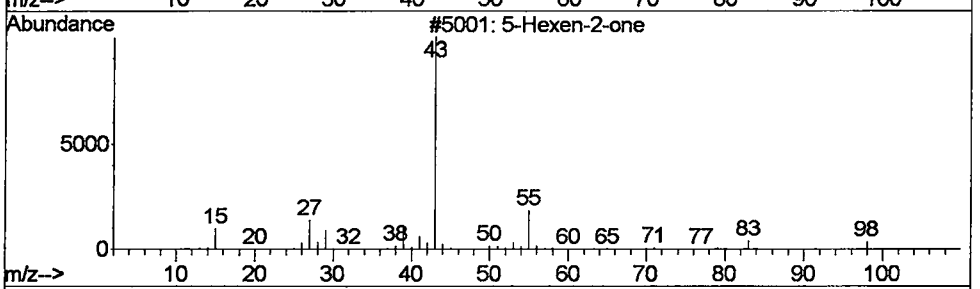
****

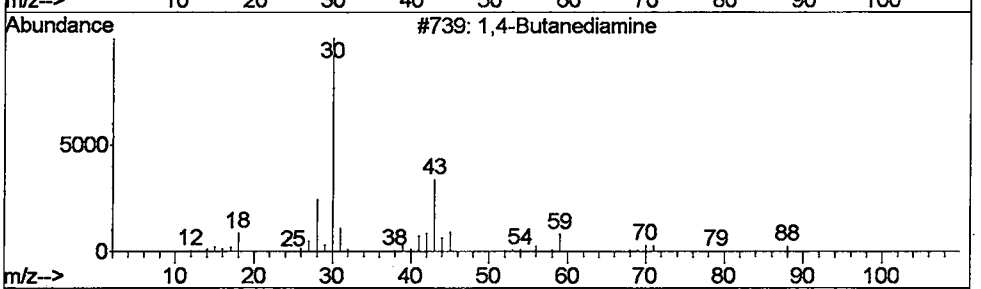
Peak Number 2 5-Hexen-2-one Concentration Rank 4

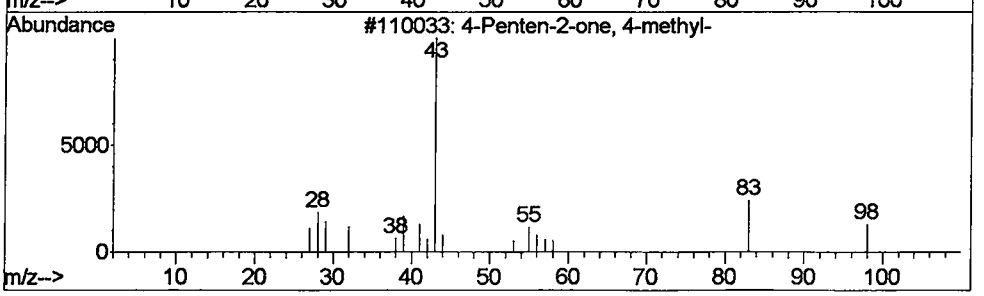
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	0.28 ug/L	334507	1,4-Dichlorobenzene-d4	9.94

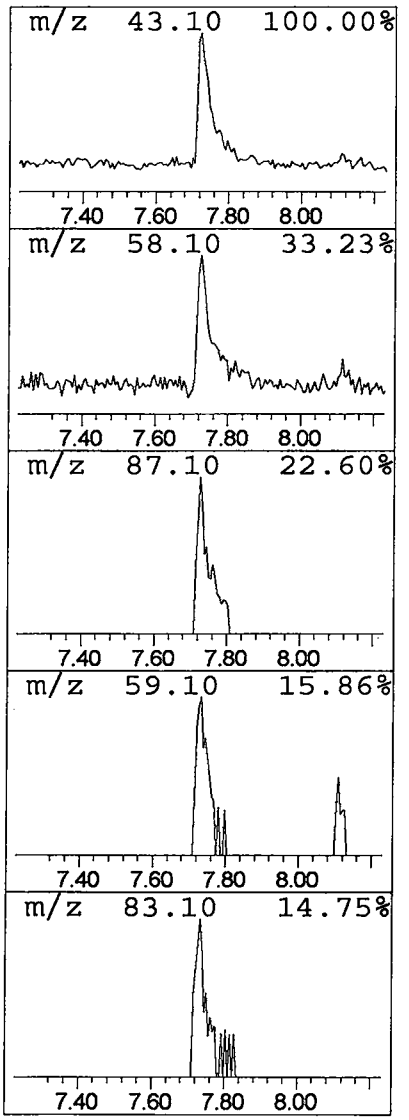
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Hexen-2-one	98	C6H10O	000109-49-9	12
2	1,4-Butanediamine	88	C4H12N2	000110-60-1	10
3	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	10
4	Acetone	58	C3H6O	000067-64-1	9











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Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

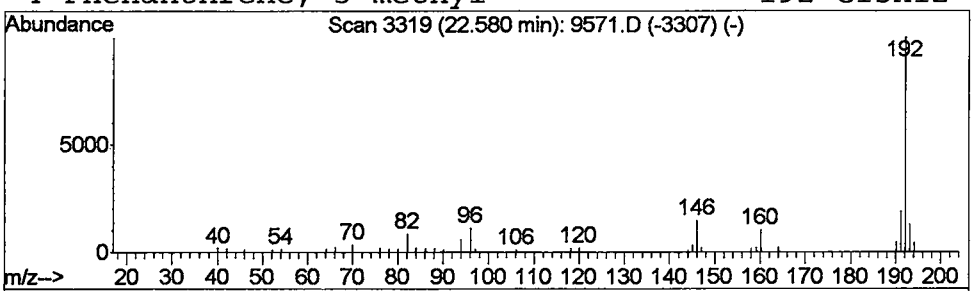
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

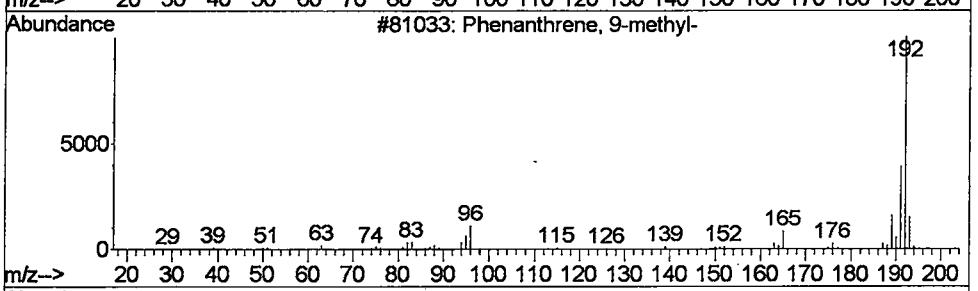
****

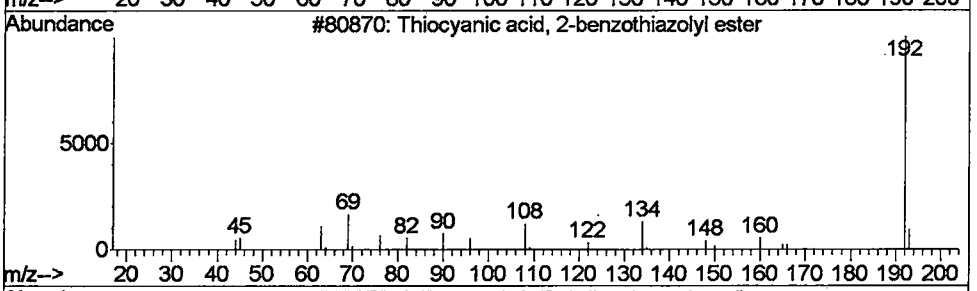
Peak Number 3 Phenanthrene, 9-methyl- Concentration Rank 3

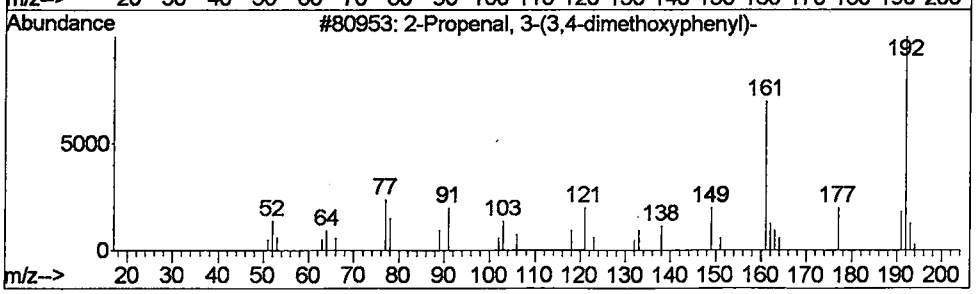
R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.35 ug/L	606545	Phenanthranene-d10	22.96

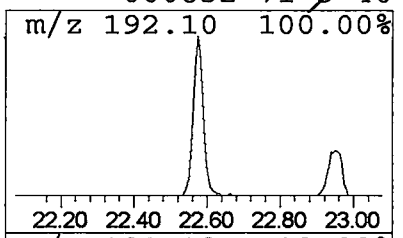
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	53
2	Thiocyanic acid, 2-benzothiazoly...	192	C8H4N2S2	006011-99-0	53
3	2-Propenal, 3-(3,4-dimethoxyphen...	192	C11H12O3	004497-40-9	45
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	40

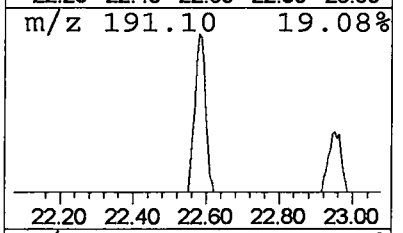


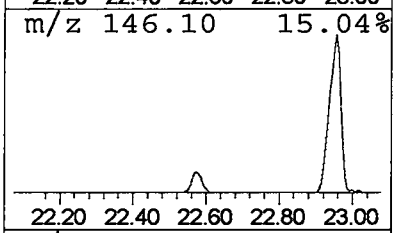


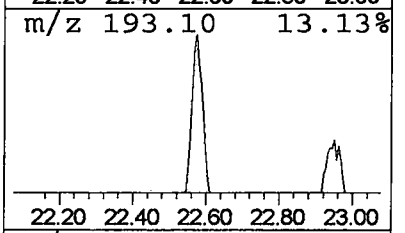


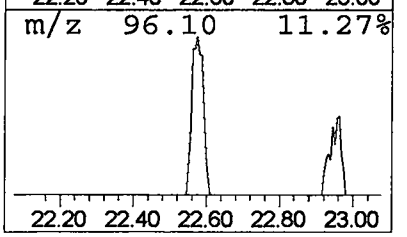












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MS Integration Params: LSCINT.e

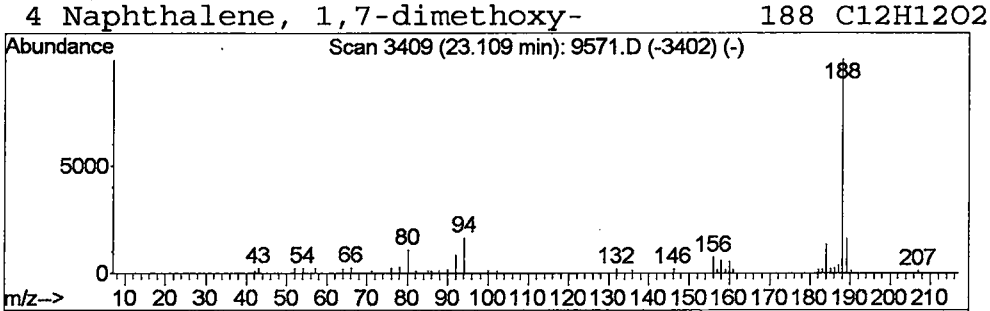
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

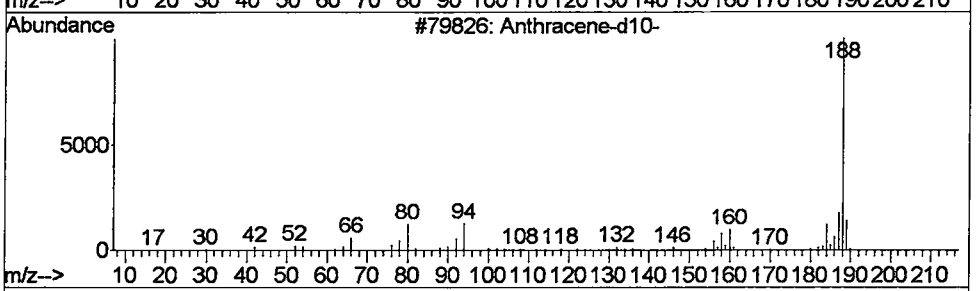
****

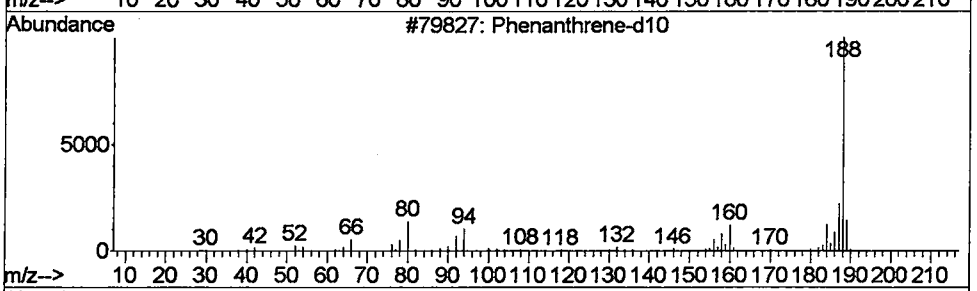
Peak Number 4 Anthracene-d10- Concentration Rank 2

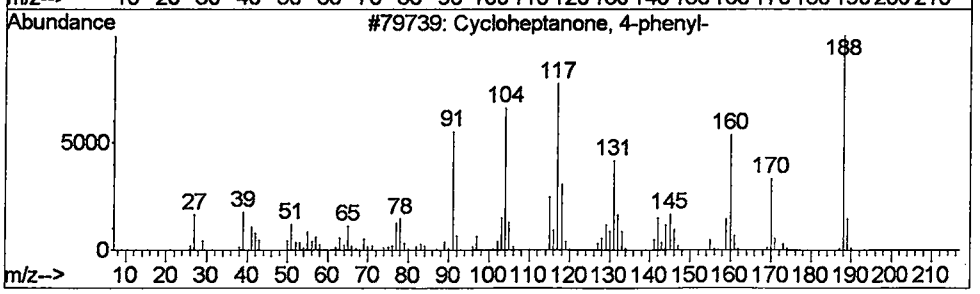
R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.47 ug/L	824160	Phenanthranene-d10	22.96

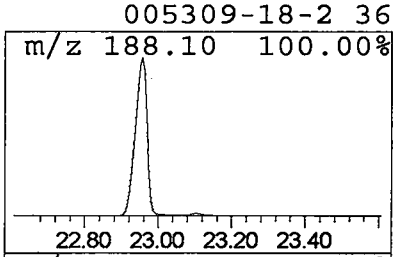
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	87
2	Phenanthrene-d10	188	C14D10	001517-22-2	86
3	Cycloheptanone, 4-phenyl-	188	C13H16O	067688-28-2	50
4	Naphthalene, 1,7-dimethoxy-	188	C12H12O2	005309-18-2	36

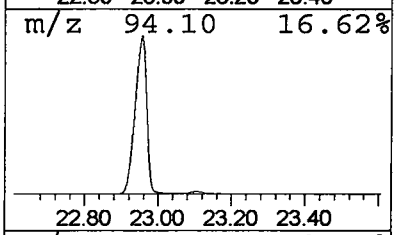


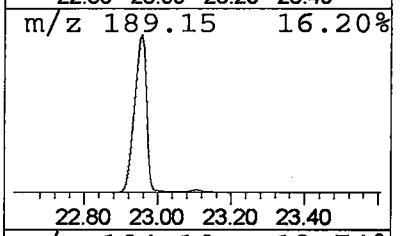


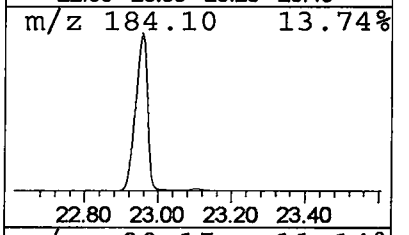


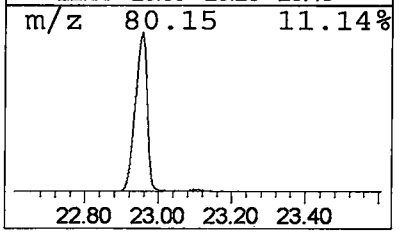












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Data File: C:\MSDCHEM\1\DATA\050902\9571.D
Name: 5/8 kb
Misc:
Method: C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title: 508 Modified GC/MS scan
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
2-Pentanone, 4-hy...	5.99	13.7	ug/L	16386400	1	9.94	48004700	40.0
5-Hexen-2-one	7.73	0.3	ug/L	334507	1	9.94	48004700	40.0
Phenanthrene, 9-m...	22.58	0.3	ug/L	606545	4	22.96	69486200	40.0
Anthracene-d10-	23.11	0.5	ug/L	824160	4	22.96	69486200	40.0