User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/08/2002 Time: 11:48:31

Sample: AE09336
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/8/02 11:47 Ended: 5/8/02 11:47 Analyst: DLV
Page: 1

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

Comments for Sample AE09336 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-08-2002 Time: 11:48:35

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.

Data File : C:\MSDCHEM\1\DATA\050202\9336.D Vial: 14
Acq On : 2 May 2002 10:16 pm Operator: Mclean
Sample : 4/29 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 06 14:00:14 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 06 12:20:41 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

re-extracted with better LCS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.94	152	5099008	40.00	ug/L	0.01
10) Napthalene-d8	13.43	136	20303385	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	10676160m	40.00	ug/L	0.00
29) Phenanthranene-d10	22.96	188	15934468	40.00	ug/L	0.00
37) Chrysene-d12	30.82	240	12692206	40.00	ug/L	0.00
43) Perylene-d12	34.72	264	9155740	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.54	209	521239	6.95	ug/L	0.00
Spiked Amount 10.000			Recovery = 69.50%			
50) 2,4-ddd	0.00	235	0	0.00	ug/L	
Spiked Amount 5.000			Recovery = 0.00%			
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	0.00	77	0	N.D.		
30) Nnitrosodiphenylamine	0.00	169	0	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.		

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

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Sample : 4/29 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 06 14:00:14 2002 Quant Results File: 050102.RES

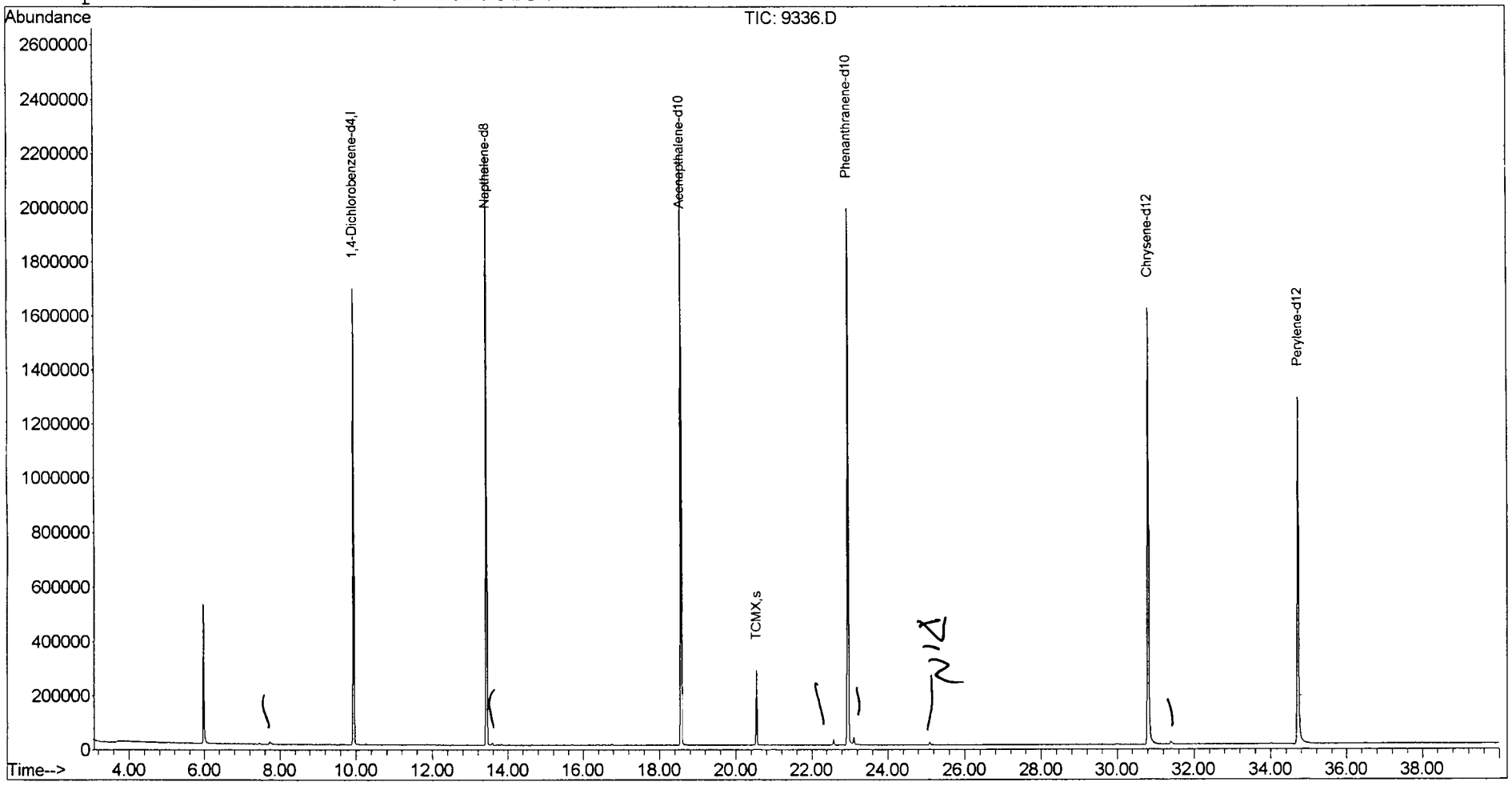
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 06 12:20:41 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
34)	Anthracene	0.00	178	0	N.D.	
35)	Di-n-butylphthalate	25.10	149	113453	N.D.	
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	30.82	228	29701	N.D.	
41)	Bis(2-ethylhexyl)phthalate	31.39	149	73632	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.	
51)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\050202\9336.D Vial: 14
Acq On : 2 May 2002 10:16 pm Operator: Mclean
Sample : 4/29 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 7 12:06 2002 Quant Results File: 050102.RES

Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Tue May 07 09:57:23 2002
Response via : Initial Calibration



Data File : C:\MSDCHEM\1\DATA\050202\9336.D
Acq On : 2 May 2002 10:16 pm
Sample : 4/29
Misc :
MS Integration Params: LSCINT.e

Vial: 14
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

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

Signal : TIC

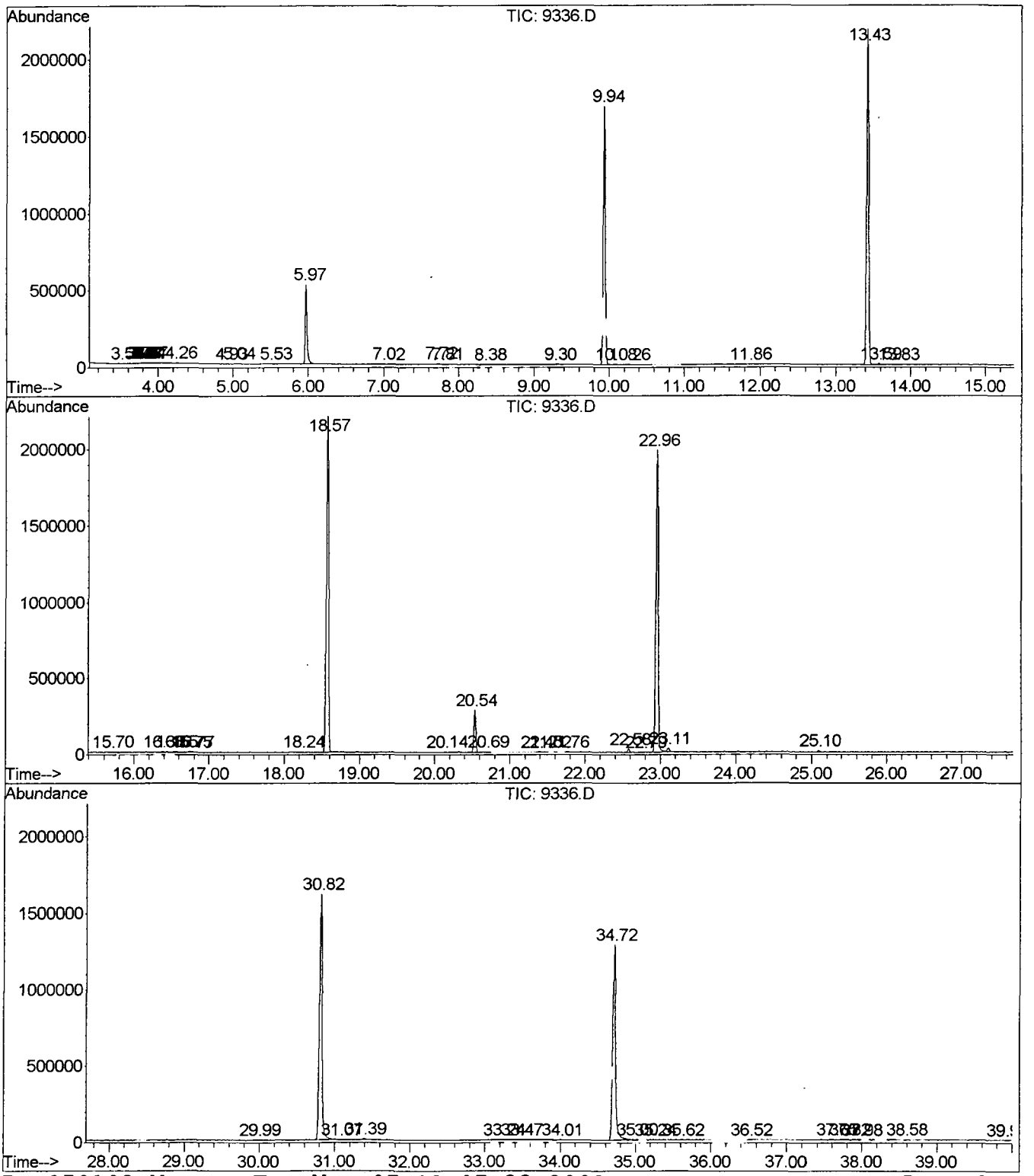
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.538	74	78	85	PV 6	2299	37415	0.08%	0.015%
2	3.737	97	112	114	PV 5	4233	184308	0.41%	0.073%
3	3.761	114	116	118	VV 3	3488	49224	0.11%	0.020%
4	3.778	118	119	123	VV 3	3532	47632	0.11%	0.019%
5	3.808	123	124	127	VV 3	2457	30702	0.07%	0.012%
6	3.843	127	130	132	VV 4	2112	20495	0.05%	0.008%
7	3.867	132	134	136	VV 3	1250	12510	0.03%	0.005%
8	4.254	195	200	206	PV 4	2405	51602	0.12%	0.020%
9	4.930	311	315	319	PV 6	1740	26875	0.06%	0.011%
10	5.036	328	333	336	VV 4	2906	59753	0.13%	0.024%
11	5.523	411	416	418	PV 3	805	5250	0.01%	0.002%
12	5.976	486	493	520	PV	503247	8704346	19.45%	3.451%
13	7.016	667	670	679	PV	1611	23158	0.05%	0.009%
14	7.727	787	791	803	VV	8653	197117	0.44%	0.078%
15	7.809	803	805	809	VV 3	1752	19982	0.04%	0.008%
16	8.373	898	901	905	PV 5	1716	21559	0.05%	0.009%
17	9.301	1054	1059	1065	VV 9	2970	70885	0.16%	0.028%
18	9.942	1156	1168	1187	PV	1662296	30681356	68.54%	12.164%
19	10.077	1187	1191	1196	VV 4	2266	43749	0.10%	0.017%
20	10.259	1218	1222	1226	PV 5	2307	31520	0.07%	0.012%
21	11.863	1491	1495	1500	PV 4	3509	49548	0.11%	0.020%
22	13.432	1747	1762	1782	PV	2146955	41368808	92.42%	16.401%
23	13.585	1782	1788	1794	VV 2	7926	152889	0.34%	0.061%
24	13.832	1822	1830	1840	VV 4	4606	96634	0.22%	0.038%
25	15.700	2142	2148	2153	VV 5	2359	52013	0.12%	0.021%
26	16.382	2257	2264	2270	VV 5	2895	50077	0.11%	0.020%
27	16.546	2284	2292	2311	BV 6	2260	74513	0.17%	0.030%
28	16.746	2322	2326	2330	VV 3	4404	78559	0.18%	0.031%
29	16.775	2330	2331	2335	VV 4	2953	37599	0.08%	0.015%
30	18.238	2574	2580	2591	VV 3	3302	75117	0.17%	0.030%
31	18.573	2627	2637	2652	PV	2178409	44762203	100.00%	17.746%
32	20.142	2901	2904	2909	VV 4	2319	35833	0.08%	0.014%
33	20.541	2961	2972	2980	VV	275733	5071030	11.33%	2.010%
34	20.694	2992	2998	3001	VV 2	2998	57642	0.13%	0.023%
35	21.399	3110	3118	3121	VV 4	2840	56480	0.13%	0.022%
36	21.517	3132	3138	3140	PV	1774	27610	0.06%	0.011%
37	21.758	3171	3179	3183	VV 2	2301	49503	0.11%	0.020%

39	22.792	3349	3355	3361	VV	5	1687	37853	0.08%	0.015%
40	22.962	3370	3384	3403	PV	2	1971076	43852157	97.97%	17.385%
41	23.109	3403	3409	3429	VV	2	25892	614404	1.37%	0.244%
42	25.095	3739	3747	3756	PV	2	9566	179384	0.40%	0.071%
43	29.989	4574	4580	4587	PV	5	2329	55988	0.13%	0.022%
44	30.818	4701	4721	4762	PV	2	1608205	39773505	88.86%	15.768%
45	31.076	4762	4765	4772	VV	4	1183	25805	0.06%	0.010%
46	31.388	4812	4818	4841	PV	7	10010	368913	0.82%	0.146%
47	33.239	5129	5133	5140	PV	2	1692	39600	0.09%	0.016%
48	33.474	5165	5173	5177	VV	3	2021	44552	0.10%	0.018%
49	34.008	5252	5264	5272	PV	4	3375	119881	0.27%	0.048%
50	34.719	5371	5385	5429	VV	2	1280077	33810431	75.53%	13.404%
51	35.001	5429	5433	5441	VV	3	4139	140560	0.31%	0.056%
52	35.242	5472	5474	5476	VV	2	2479	29275	0.07%	0.012%
53	35.618	5528	5538	5542	VV	4	2751	86887	0.19%	0.034%
54	36.517	5684	5691	5695	VV	4	2809	84017	0.19%	0.033%
55	37.651	5882	5884	5893	VV	4	2295	52573	0.12%	0.021%
56	37.822	5907	5913	5919	VV	3	2532	54094	0.12%	0.021%
57	37.980	5935	5940	5942	VV	3	2305	35224	0.08%	0.014%
58	38.579	6039	6042	6046	PV	2	1562	11133	0.02%	0.004%
59	39.919	6268	6270	6279	PBA2		1557	20183	0.05%	0.008%

Sum of corrected areas: 252238062

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\050202\9336.D
Operator : Mclean
Acquired : 2 May 2002 10:16 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 4/29
Misc Info :
Vial Number: 14
Quant File :050102.RES (Chemstation Integrator)



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Data File : C:\MSDCHEM\1\DATA\050202\9336.D              Vial: 14
Acq On    :  2 May 2002  10:16 pm                    Operator: Mclean
Sample    : 4/29                                     Inst    : Instrumen
Misc      :                                          Multiplr: 1.00
MS Integration Params: LSCINT.e

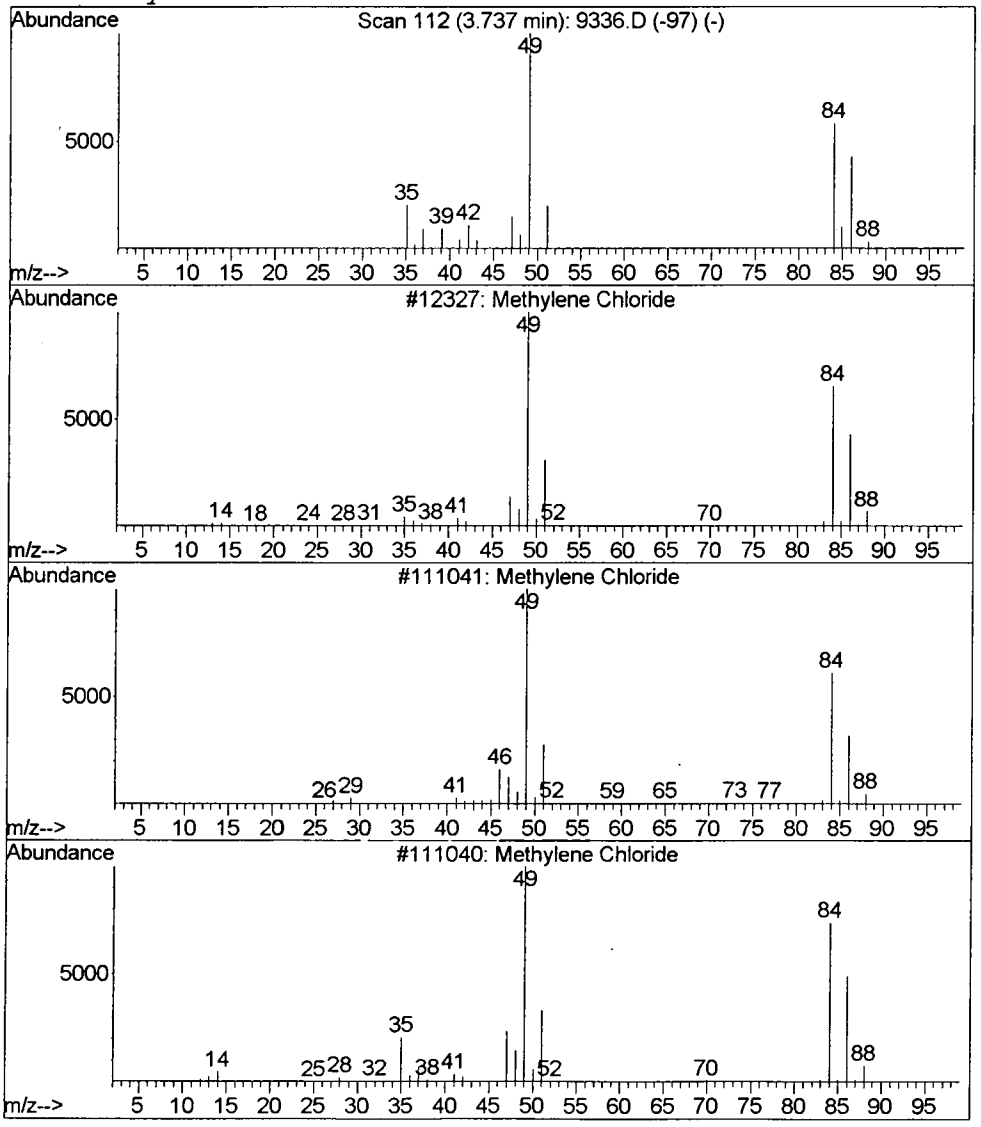
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title        : 508 Modified GC/MS scan
Library      : C:\DATABASE\NIST98.L
```

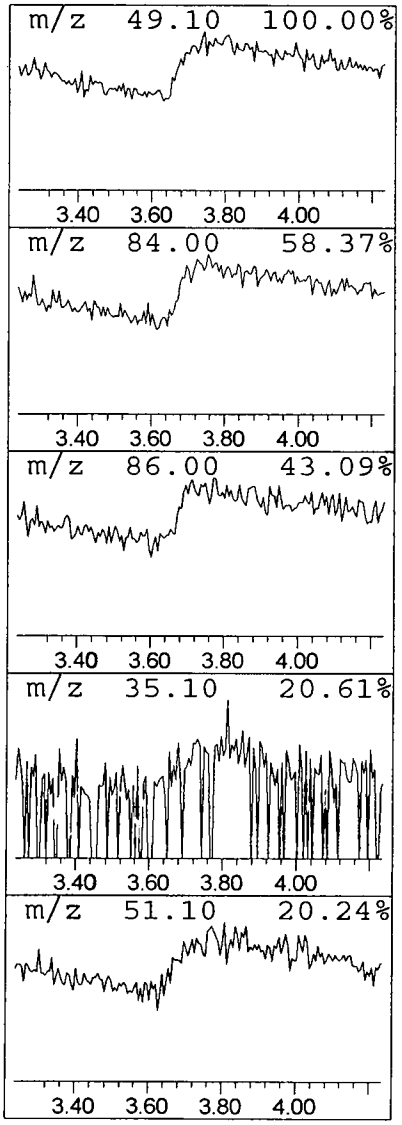
****

Peak Number 1 Methylene Chloride Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.74	0.24 ug/L	184308	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	64
2	Methylene Chloride	84	CH2Cl2	000075-09-2	64
3	Methylene Chloride	84	CH2Cl2	000075-09-2	64
4	Methylene Chloride	84	CH2Cl2	000075-09-2	35





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Data File : C:\MSDCHEM\1\DATA\050202\9336.D              Vial: 14
Acq On    :  2 May 2002  10:16 pm                     Operator: Mclean
Sample    : 4/29                                      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  2-Pentanone, 4-hydroxy-4-me...  Concentration Rank  1
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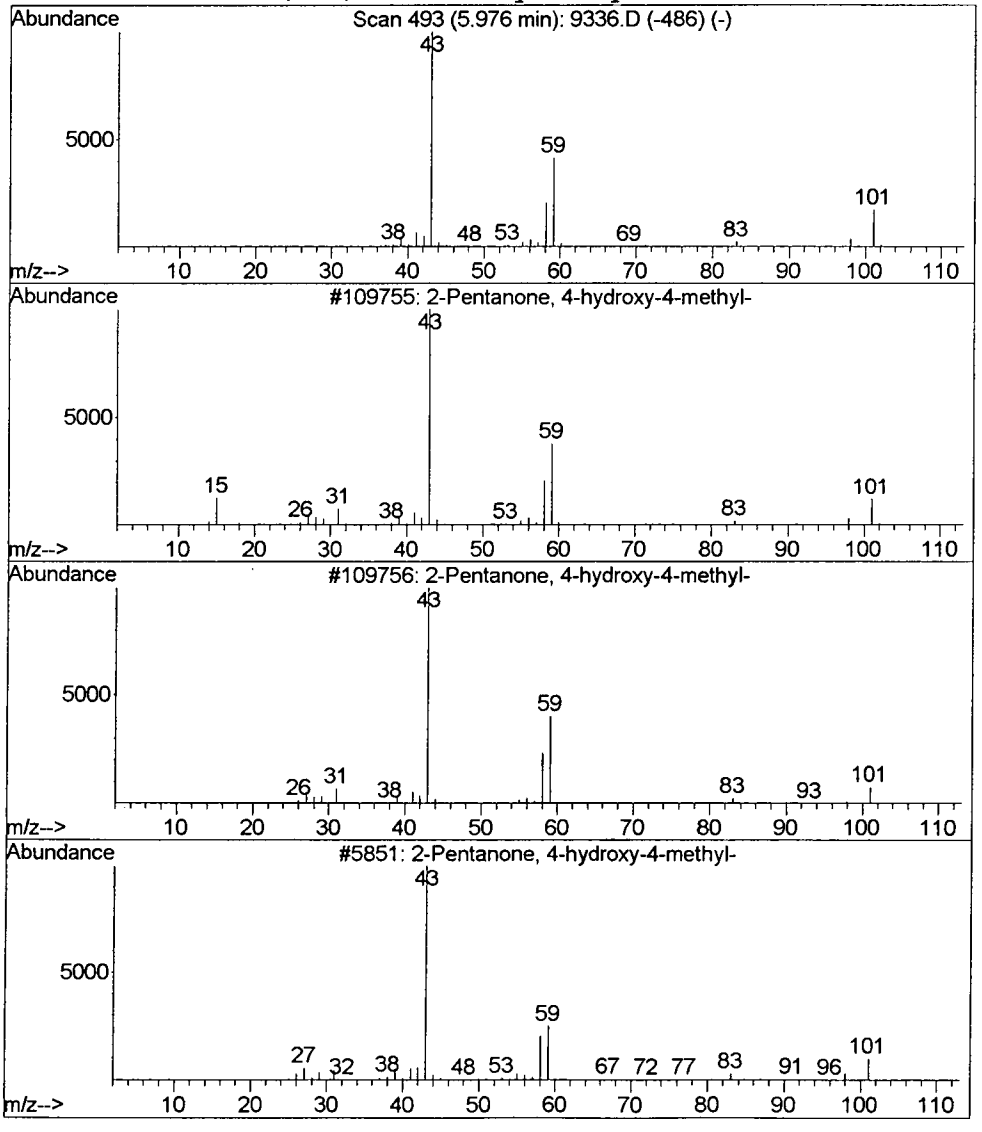
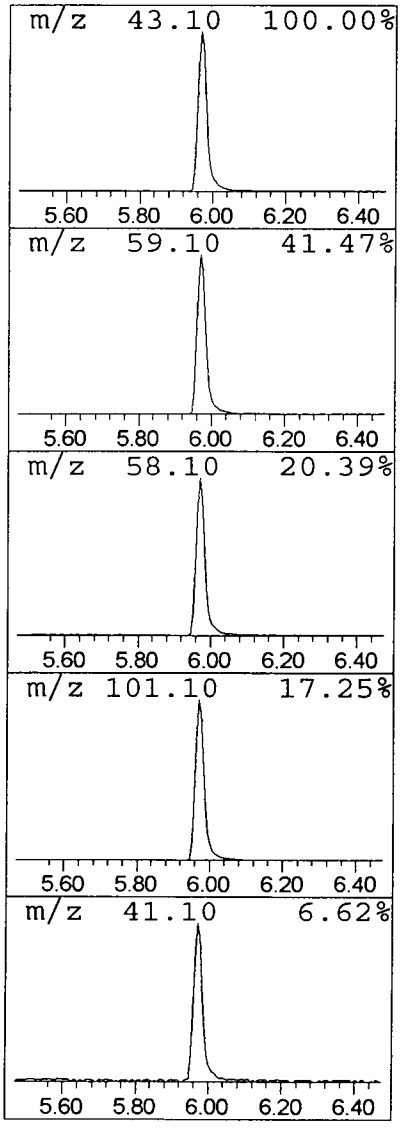
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	11.35 ug/L	8704350	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	83
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	25





Data File : C:\MSDCHEM\1\DATA\050202\9336.D Vial: 14
Acq On : 2 May 2002 10:16 pm Operator: Mclean
Sample : 4/29 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

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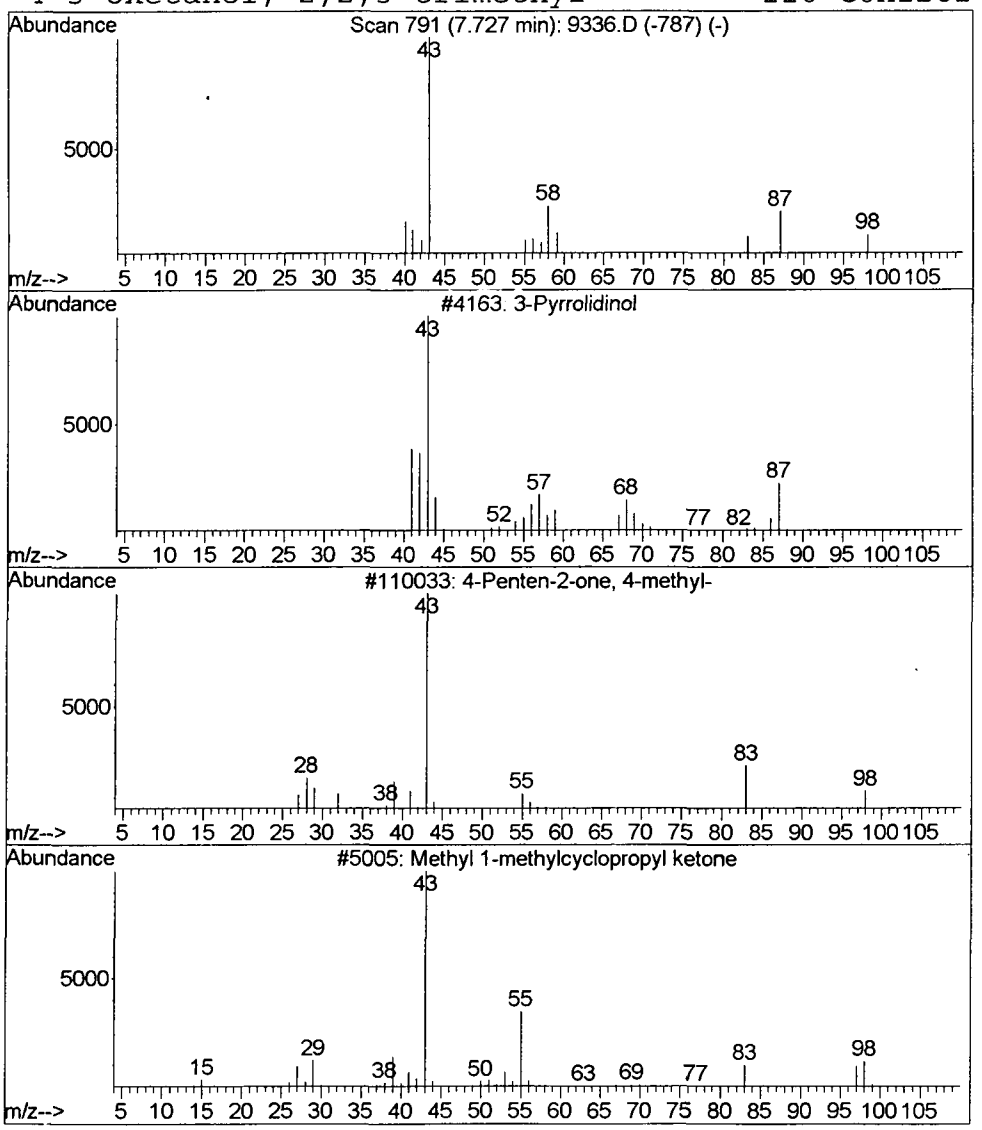
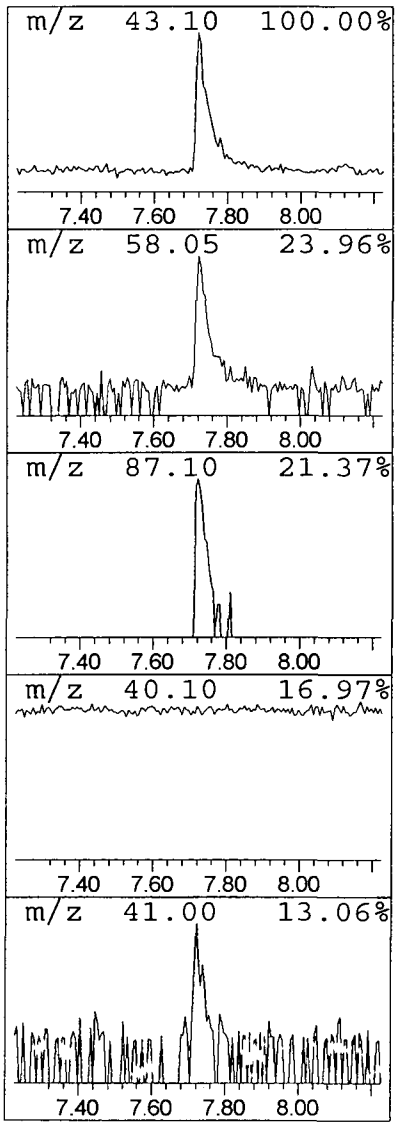
Peak Number 3 3-Pyrrolidinol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.72	0.26 ug/L	197117	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pyrrolidinol	87	C4H9NO	040499-83-0	28
2	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	25
3	Methyl 1-methylcyclopropyl ketone	98	C6H10O	001567-75-5	9
4	3-Oxetanol, 2,2,3-trimethyl-	116	C6H12O2	025910-96-7	9





Data File : C:\MSDCHEM\1\DATA\050202\9336.D Vial: 14
Acq On : 2 May 2002 10:16 pm Operator: Mclean
Sample : 4/29 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

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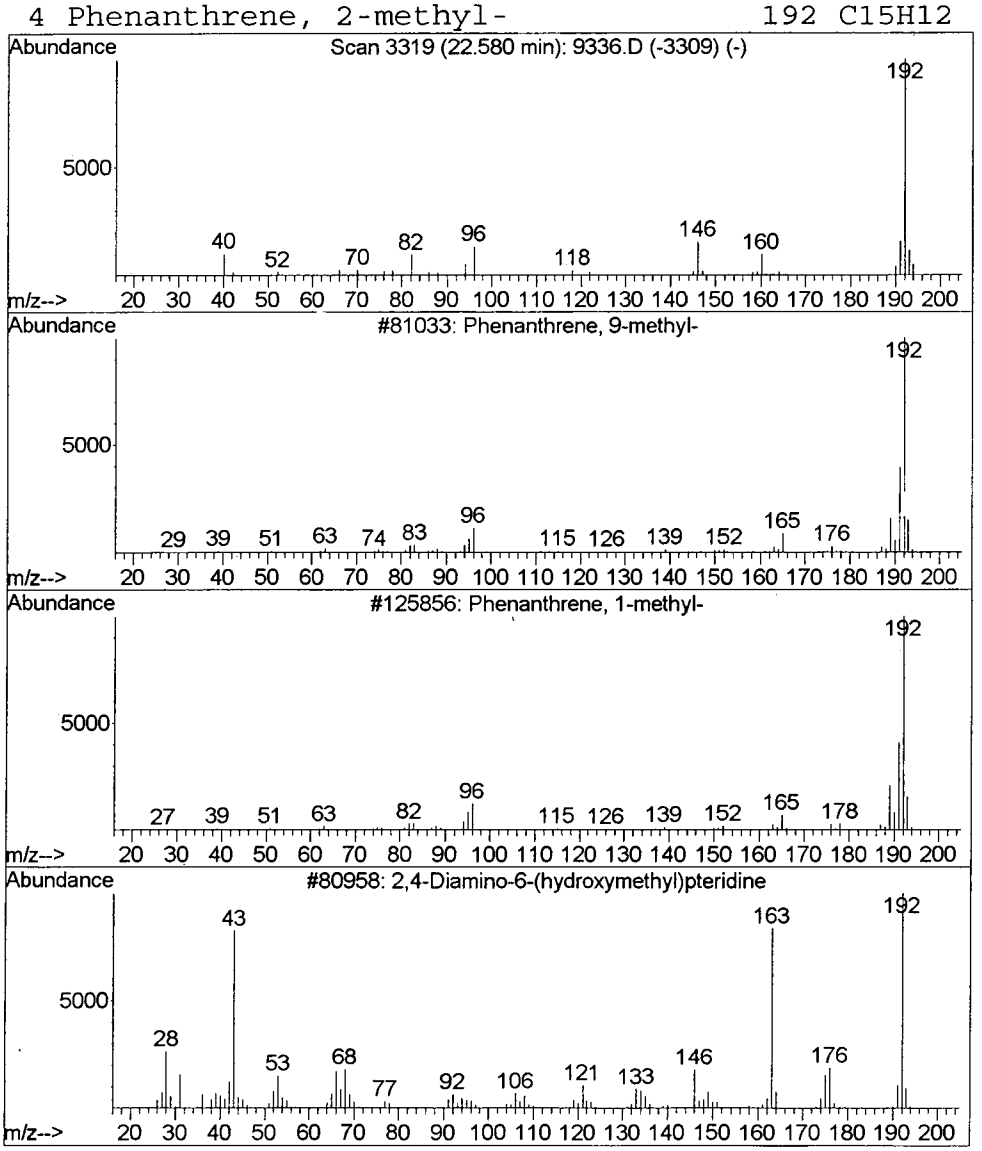
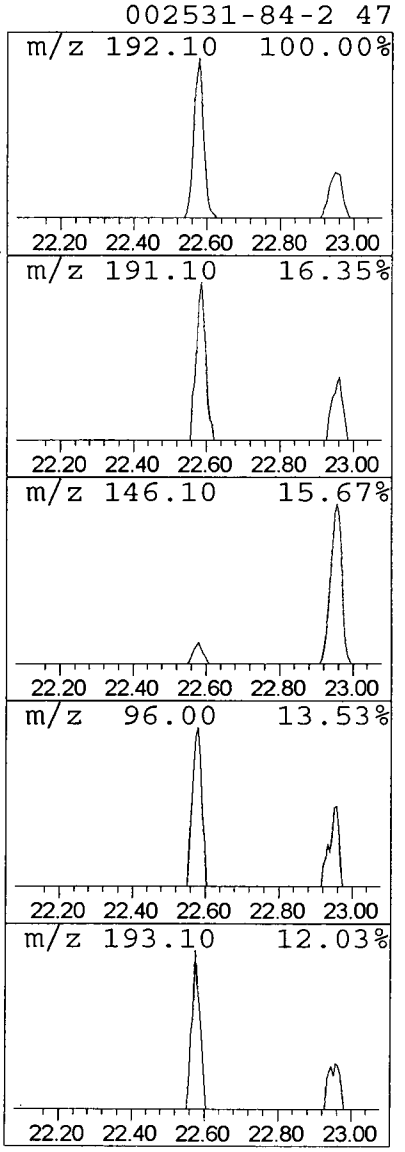
Peak Number 4 Phenanthrene, 9-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.35 ug/L	386143	Phenanthranene-d10	22.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	53
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	53
3	2,4-Diamino-6-(hydroxymethyl)pte...	192	C7H8N6O	000945-24-4	53
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	47





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Data File : C:\MSDCHEM\1\DATA\050202\9336.D              Vial: 14
Acq On    :  2 May 2002  10:16 pm                    Operator: Mclean
Sample    : 4/29                                     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
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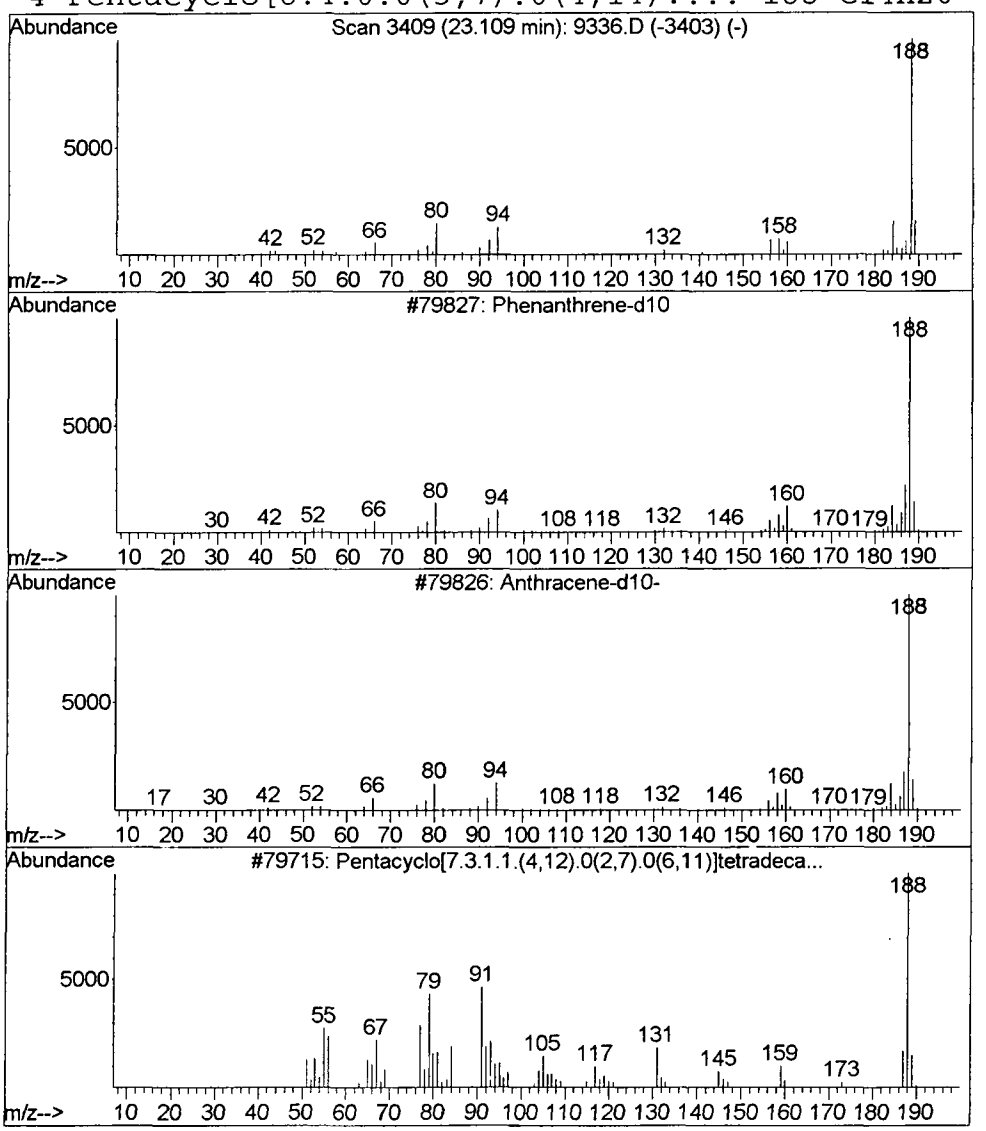
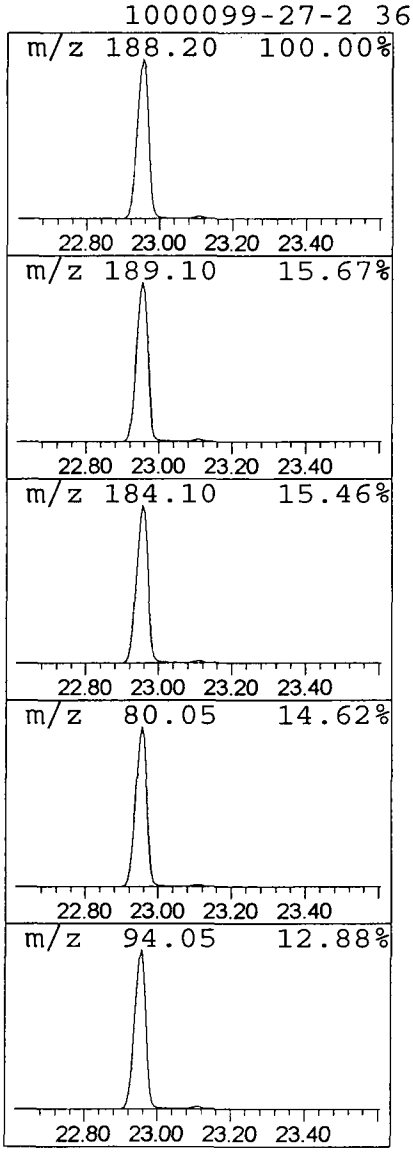
Peak Number 5 Phenanthrene-d10 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.56 ug/L	614404	Phenanthranene-d10	22.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene-d10	188	C14D10	001517-22-2	93
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	39
4	Pentacyclo[8.4.0.0(3,7).0(4,14)....	188	C14H20	1000099-27-2	36





Data File : C:\MSDCHEM\1\DATA\050202\9336.D Vial: 14
Acq On : 2 May 2002 10:16 pm Operator: Mclean
Sample : 4/29 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

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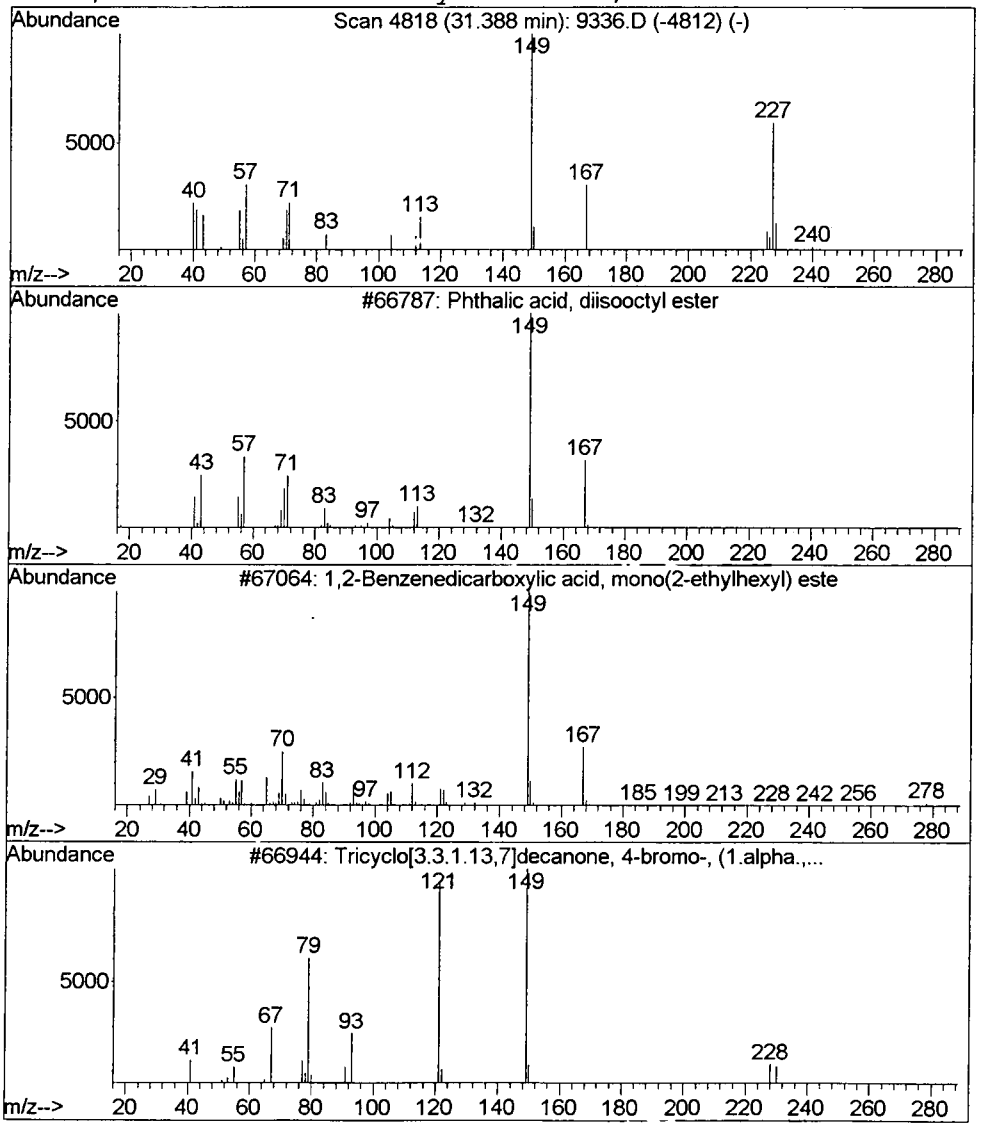
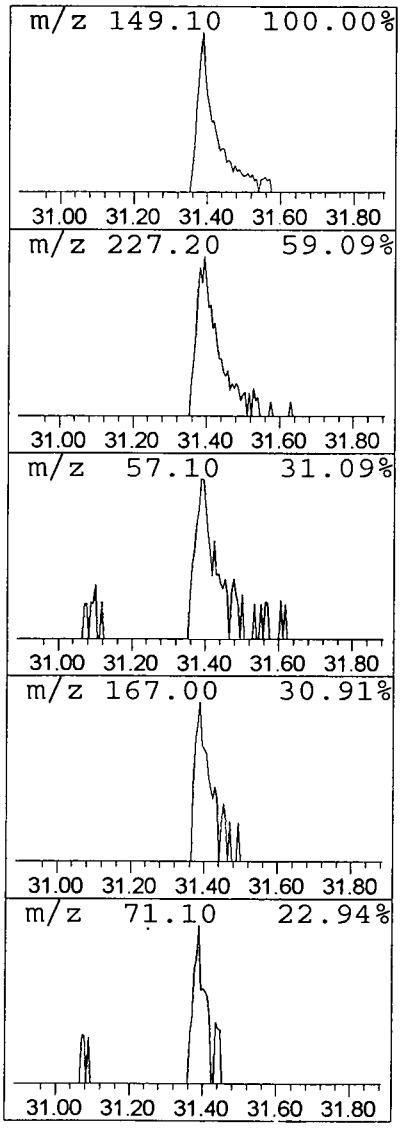
Peak Number 6 Phthalic acid, diisooctyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.39	0.37 ug/L	368913	Chrysene-d12	30.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, diisooctyl ester	390	C24H38O4	001330-91-2	53
2	1,2-Benzenedicarboxylic acid, mo...	278	C16H22O4	004376-20-9	43
3	Tricyclo[3.3.1.13,7]decanone, 4-...	228	C10H13BrO	032456-49-8	25
4	1,2-Benzenedicarboxylic acid, mo...	278	C16H22O4	004376-20-9	16





Operator ID: Mclean Date Acquired: 2 May 2002 10:16 pm
Data File: C:\MSDCHEM\1\DATA\050202\9336.D
Name: 4/29
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
Methylene Chloride	3.74	0.2	ug/L	184308	1	9.94	30681400	40.0
2-Pentanone, 4-hy...	5.97	11.3	ug/L	8704350	1	9.94	30681400	40.0
3-Pyrrolidinol	7.72	0.3	ug/L	197117	1	9.94	30681400	40.0
Phenanthrene, 9-m...	22.58	0.4	ug/L	386143	4	22.96	43852200	40.0
Phenanthrene-d10	23.11	0.6	ug/L	614404	4	22.96	43852200	40.0
Phthalic acid, di...	31.39	0.4	ug/L	368913	5	30.82	39773500	40.0