User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/10/2002 Time: 11:09:28

Sample: AE10199
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/10/02 11:09 Ended: 5/10/02 11:09 Analyst: DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		87		10.0

Comments for Sample AE10199 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-10-2002 Time: 11:09:42

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recovery for 1 of the 43 compounds in the LCS Standard was low.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\050802\10199.D Vial: 17
Acq On : 9 May 2002 4:27 am Operator: Mclean
Sample : 4/30 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 09 09:35:49 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Wed May 08 09:53:56 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	5828618	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	22889311	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	12438254	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	17899728	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	12972087	40.00	ug/L	0.00
43) Perylene-d12	34.70	264	7392095	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.54	209	627920	8.74	ug/L	0.00
Spiked Amount 10.000			Recovery = 87.40%			
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.	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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Title : 508 Modified GC/MS scan
Last Update : Wed May 08 09:53:56 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	25.09	149	23269	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	30.81	228	33355	N.D.	
41)	Bis(2-ethylhexyl)phthalate	31.38	149	192634	0.60 ug/L	93
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.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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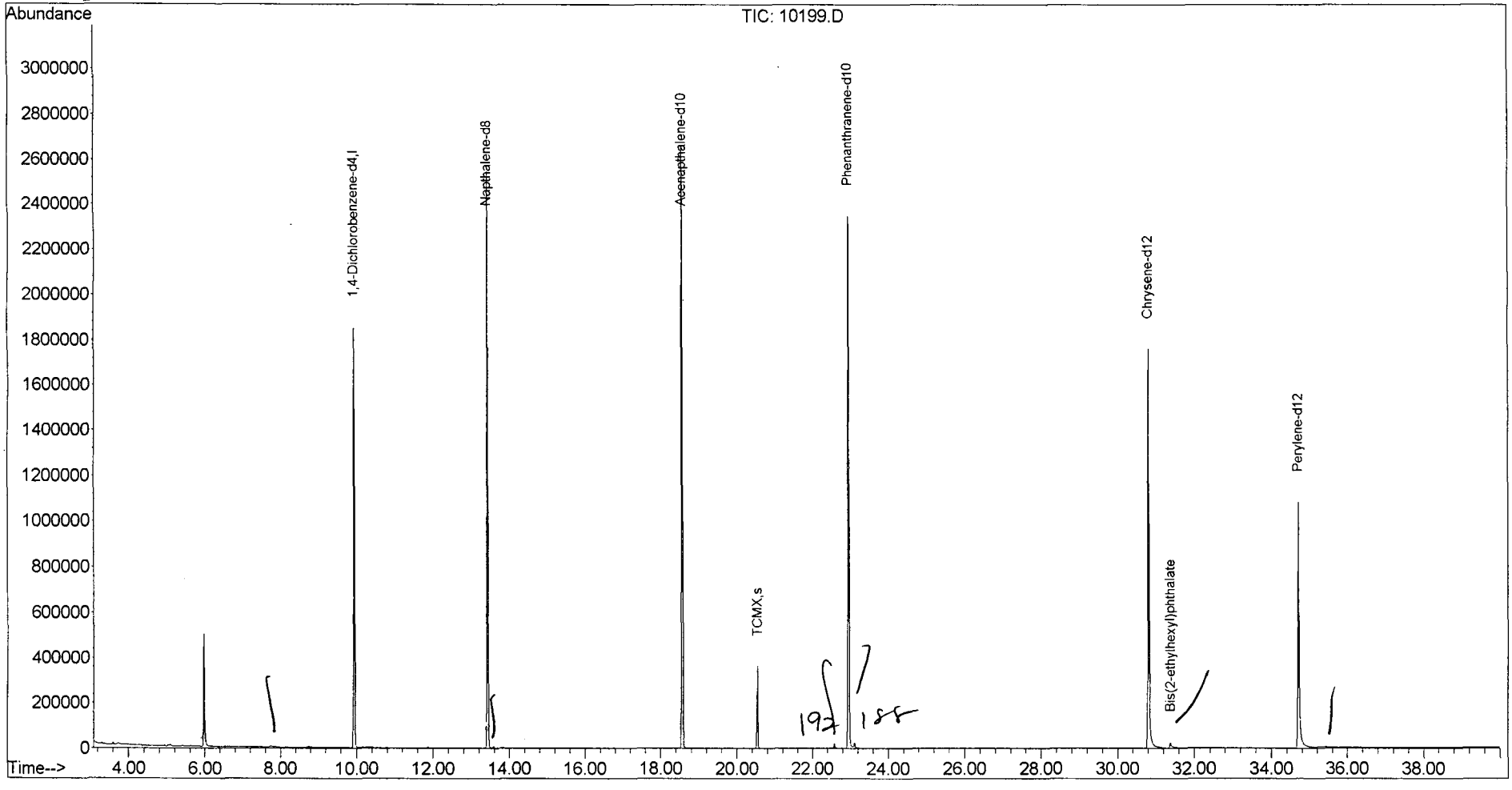
Acq On : 9 May 2002 4:27 am Operator: Mclean
Sample : 4/30 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 9 13:35 2002 Quant Results File: 050102.RES

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



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\050802\10199.D Vial: 17
Acq On : 9 May 2002 4:27 am Operator: Mclean
Sample : 4/30 eh 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

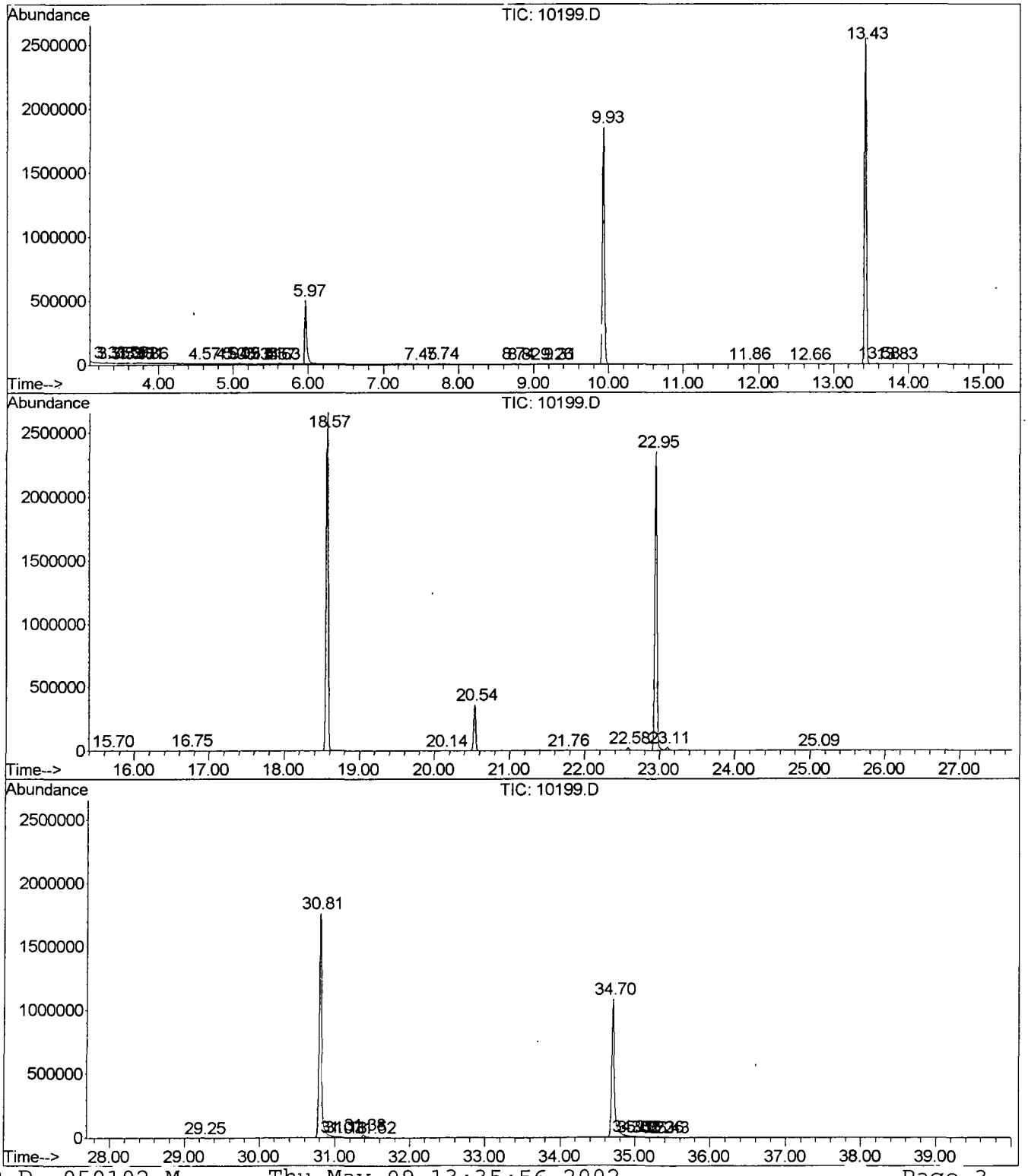
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.303	34	38	44	PV 2	6847	98533	0.19%	0.036%
2	3.350	44	46	66	PV 2	1962	71957	0.14%	0.027%
3	3.532	66	77	81	PV 8	2210	25754	0.05%	0.010%
4	3.596	81	88	96	VV 4	10072	154023	0.30%	0.057%
5	3.726	96	110	123	PV 8	7621	301076	0.59%	0.111%
6	3.808	123	124	130	VV 6	1460	25773	0.05%	0.010%
7	3.867	130	134	136	VV 5	1409	17524	0.03%	0.006%
8	4.566	250	253	254	PV 2	1811	16264	0.03%	0.006%
9	4.936	312	316	321	VV 6	4362	65875	0.13%	0.024%
10	5.024	325	331	337	VV 8	4852	106991	0.21%	0.040%
11	5.083	337	341	361	VV 7	6787	203432	0.40%	0.075%
12	5.341	381	385	389	PV 5	1672	30135	0.06%	0.011%
13	5.406	389	396	403	VV 6	3774	92203	0.18%	0.034%
14	5.576	422	425	428	VV 3	2115	28144	0.06%	0.010%
15	5.623	428	433	438	VV 5	3223	74422	0.15%	0.028%
16	5.964	485	491	518	VV	484643	9049528	17.73%	3.344%
17	7.451	738	744	751	PV 5	2251	43427	0.09%	0.016%
18	7.739	789	793	805	VV 3	6231	158681	0.31%	0.059%
19	8.743	958	964	973	PV 4	4724	120408	0.24%	0.044%
20	8.820	973	977	986	VV 7	2013	51475	0.10%	0.019%
21	9.260	1045	1052	1057	PV 5	1698	36009	0.07%	0.013%
22	9.307	1057	1060	1071	VV 6	1876	48658	0.10%	0.018%
23	9.936	1157	1167	1195	PV	1818191	35185958	68.94%	13.002%
24	11.863	1490	1495	1503	PV 5	4208	61903	0.12%	0.023%
25	12.662	1626	1631	1637	VV 5	1737	30935	0.06%	0.011%
26	13.432	1749	1762	1778	PV	2529353	46953180	91.99%	17.351%
27	13.585	1778	1788	1798	VV 2	7659	171865	0.34%	0.064%
28	13.832	1825	1830	1837	VV 6	3864	65955	0.13%	0.024%
29	15.694	2143	2147	2152	VV 2	2209	33611	0.07%	0.012%
30	16.746	2321	2326	2336	PV 3	4257	84735	0.17%	0.031%
31	18.567	2624	2636	2657	VV	2627666	51040270	100.00%	18.861%
32	20.142	2887	2904	2912	PV 5	1808	57412	0.11%	0.021%
33	20.536	2959	2971	2984	VV	355523	6297629	12.34%	2.327%
34	21.758	3175	3179	3186	VV 3	1738	28964	0.06%	0.011%
35	22.580	3312	3319	3328	VV 2	20714	365604	0.72%	0.135%
36	22.951	3368	3382	3403	PV 2	2318500	49115043	96.23%	18.150%
37	23.109	3403	3409	3420	VV 2	23216	530997	1.04%	0.196%

38	25.089	3738	3746	3756	VV	3	1954	52442	0.10%	0.019%
39	29.249	4447	4454	4465	PV	4	1644	39621	0.08%	0.015%
40	30.806	4706	4719	4762	PV	2	1766363	40602498	79.55%	15.004%
41	31.071	4762	4764	4772	VV	6	5567	151020	0.30%	0.056%
42	31.129	4772	4774	4776	VV	2	2878	27665	0.05%	0.010%
43	31.376	4803	4816	4839	PV	2	23904	768099	1.50%	0.284%
44	31.517	4839	4840	4842	VV	2	1282	7952	0.02%	0.003%
45	34.702	5370	5382	5423	PV	2	1070938	27578506	54.03%	10.191%
46	34.954	5423	5425	5434	VV	9	6029	186365	0.37%	0.069%
47	35.019	5434	5436	5439	VV	4	3602	56756	0.11%	0.021%
48	35.213	5466	5469	5477	VV	7	3211	79790	0.16%	0.029%
49	35.360	5482	5494	5501	VV	7	3819	158297	0.31%	0.058%
50	35.430	5501	5506	5512	VV	8	2379	57482	0.11%	0.021%

Sum of corrected areas: 270610848

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\050802\10199.D
Operator : Mclean
Acquired : 9 May 2002 4:27 am using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 4/30 eh
Misc Info :
Vial Number: 17
Quant File :050102.RES (Chemstation Integrator)



Library Search Compound Report

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Acq On : 9 May 2002 4:27 am Operator: Mclean
Sample : 4/30 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

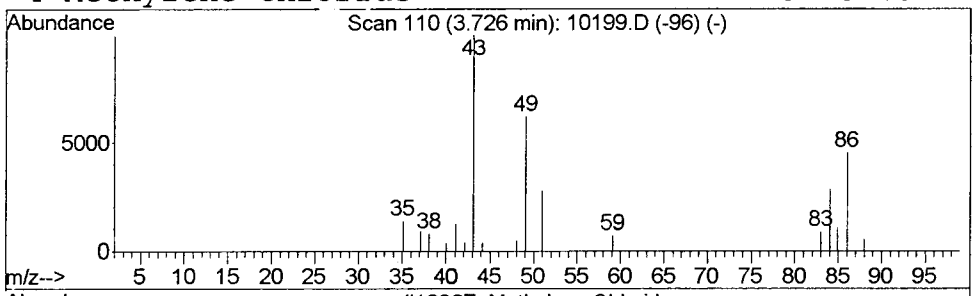
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

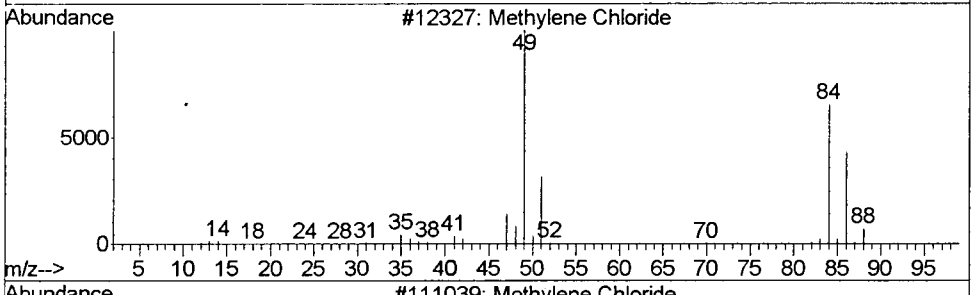
****

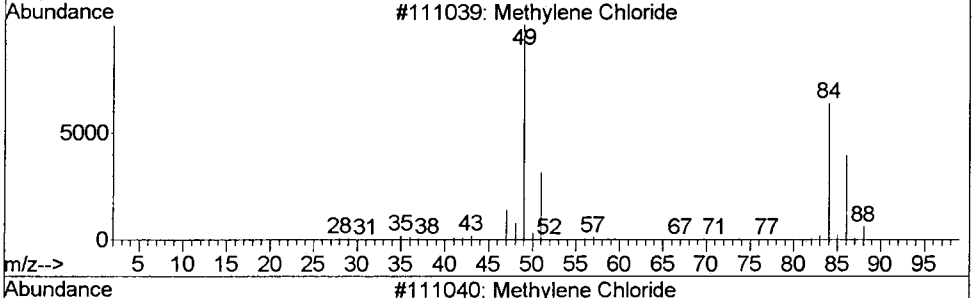
Peak Number 1 Methylene Chloride Concentration Rank 3

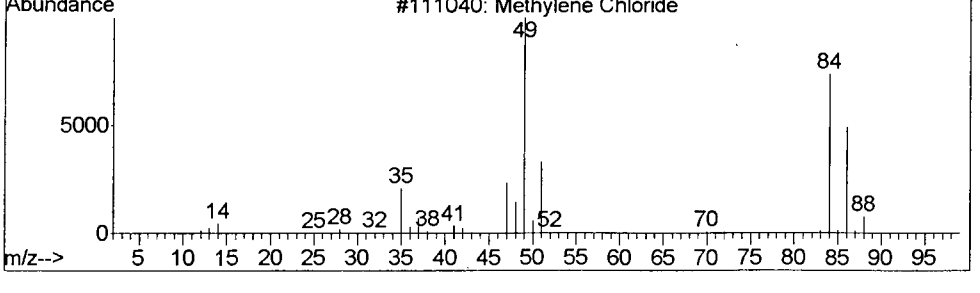
R.T.	EstConc	Area	Relative to ISTD	R.T.
3.72	0.34 ug/L	301076	1,4-Dichlorobenzene-d4	9.93

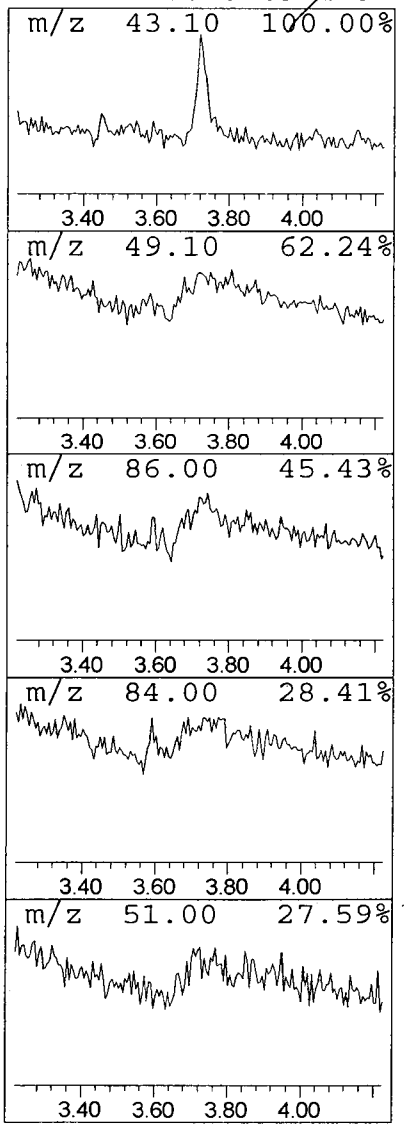
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	58
2	Methylene Chloride	84	CH2Cl2	000075-09-2	58
3	Methylene Chloride	84	CH2Cl2	000075-09-2	39
4	Methylene Chloride	84	CH2Cl2	000075-09-2	9











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Sample : 4/30 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

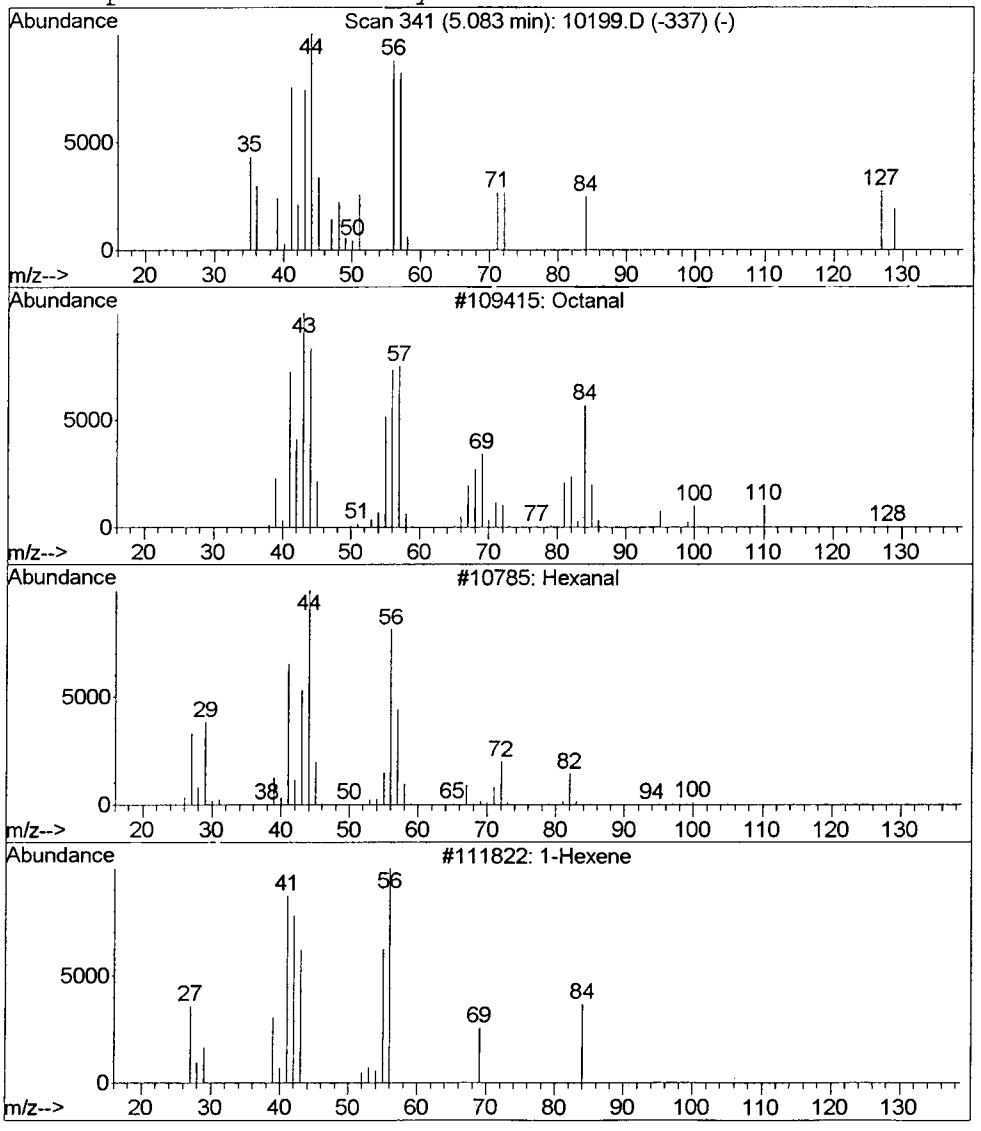
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

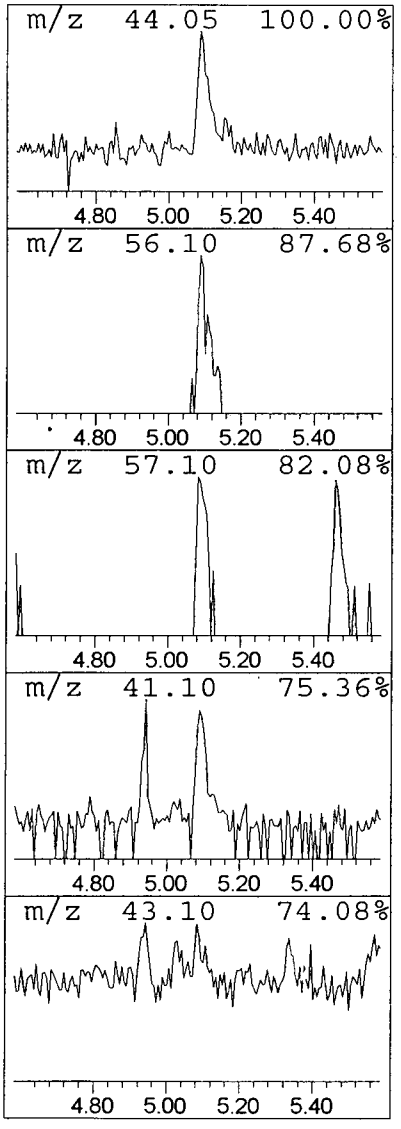
****

Peak Number 2 Octanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	0.23 ug/L	203432	1,4-Dichlorobenzene-d4	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal	128	C8H16O	000124-13-0	28
2	Hexanal	100	C6H12O	000066-25-1	12
3	1-Hexene	84	C6H12	000592-41-6	11
4	Piperidin-4-carboxylic acid	129	C6H11NO2	000498-94-2	10





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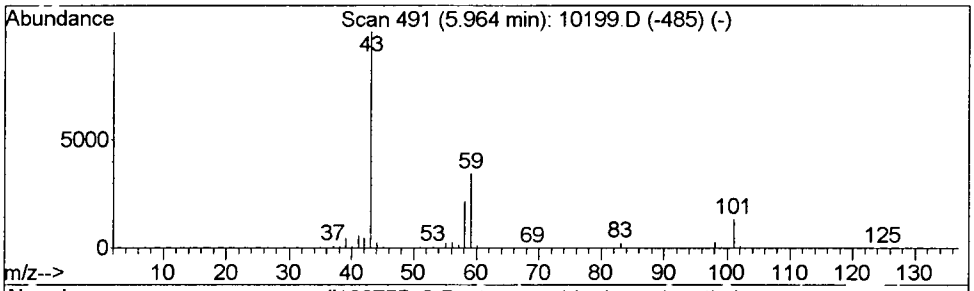
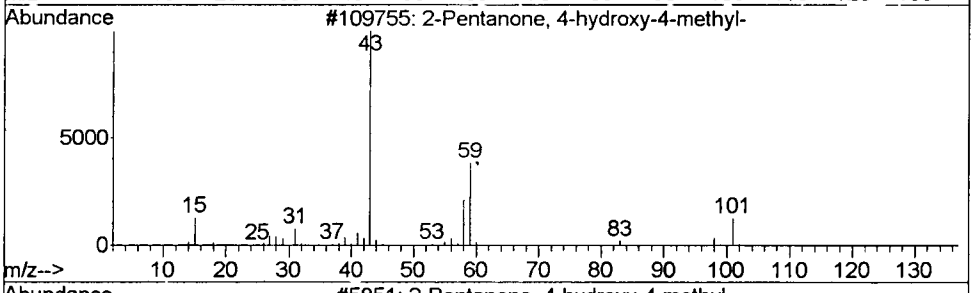
****

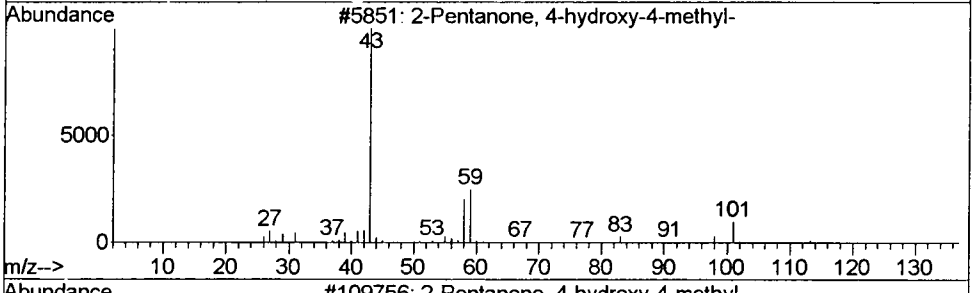
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

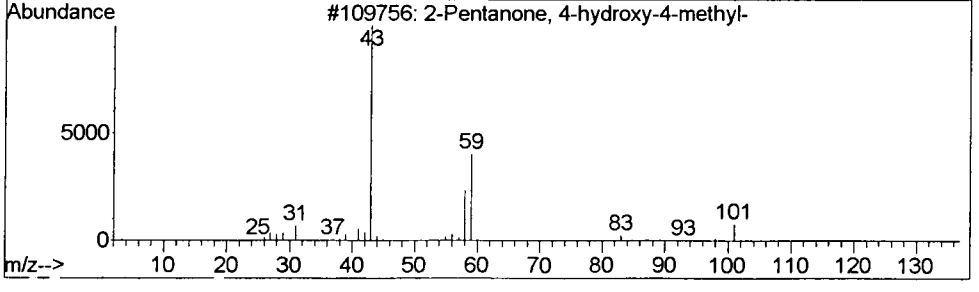
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	10.29 ug/L	9049530	1,4-Dichlorobenzene-d4	9.93

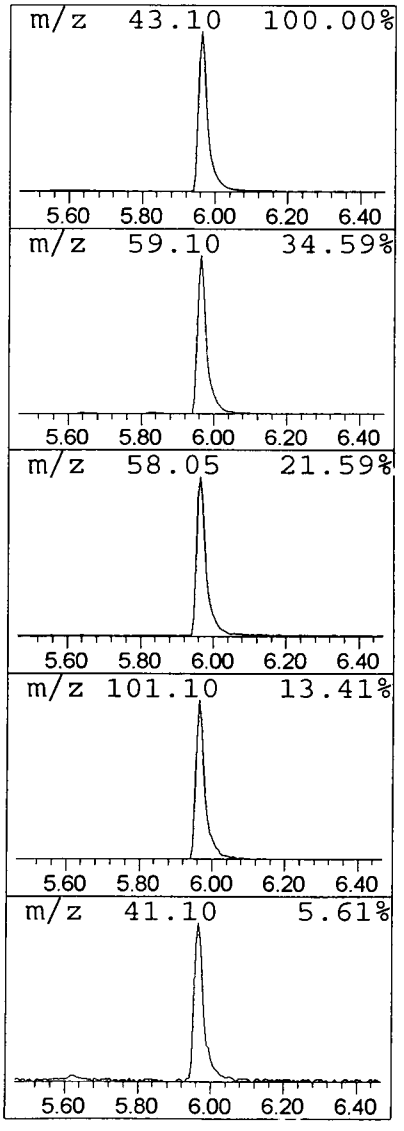
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	90
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	83
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
4	Acetone	58	C3H6O	000067-64-1	32











Library Search Compound Report

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Sample : 4/30 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

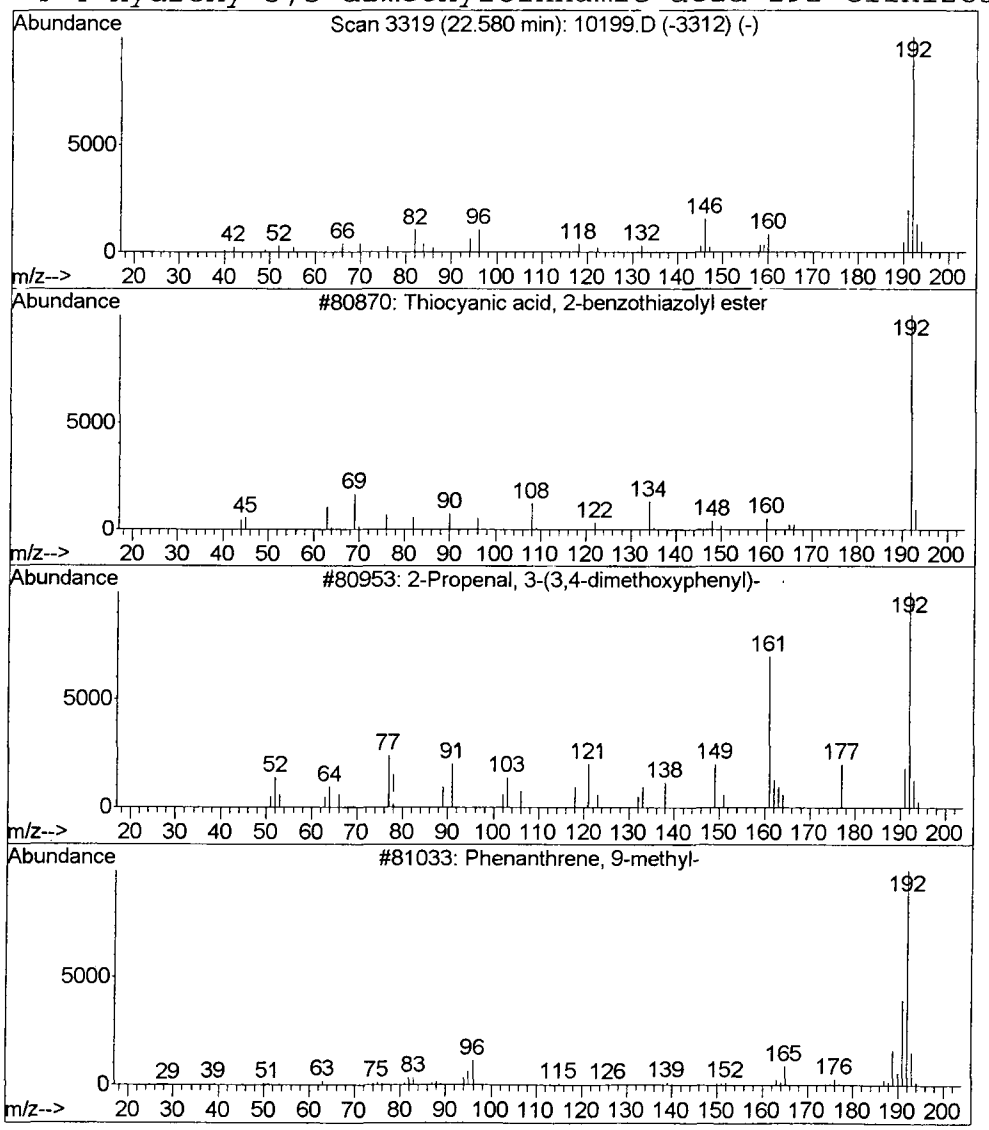
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

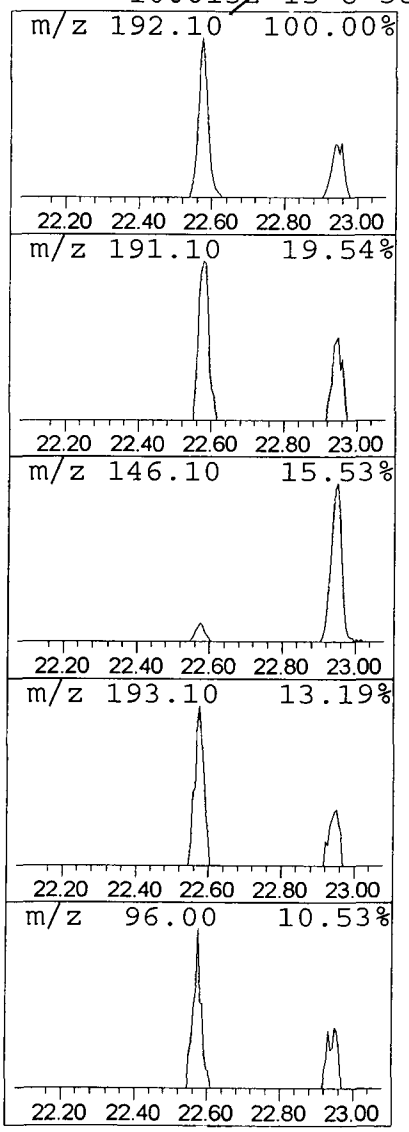
****

Peak Number 4 Thiocyanic acid, 2-benzothi... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.30 ug/L	365604	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiocyanic acid, 2-benzothiazoly...	192	C8H4N2S2	006011-99-0	50
2	2-Propenal, 3-(3,4-dimethoxyphen...	192	C11H12O3	004497-40-9	45
3	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	42
4	4-Hydroxy-3,5-dimethylcinnamic acid	192	C11H12O3	100032-15-8	38





Library Search Compound Report

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Sample : 4/30 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

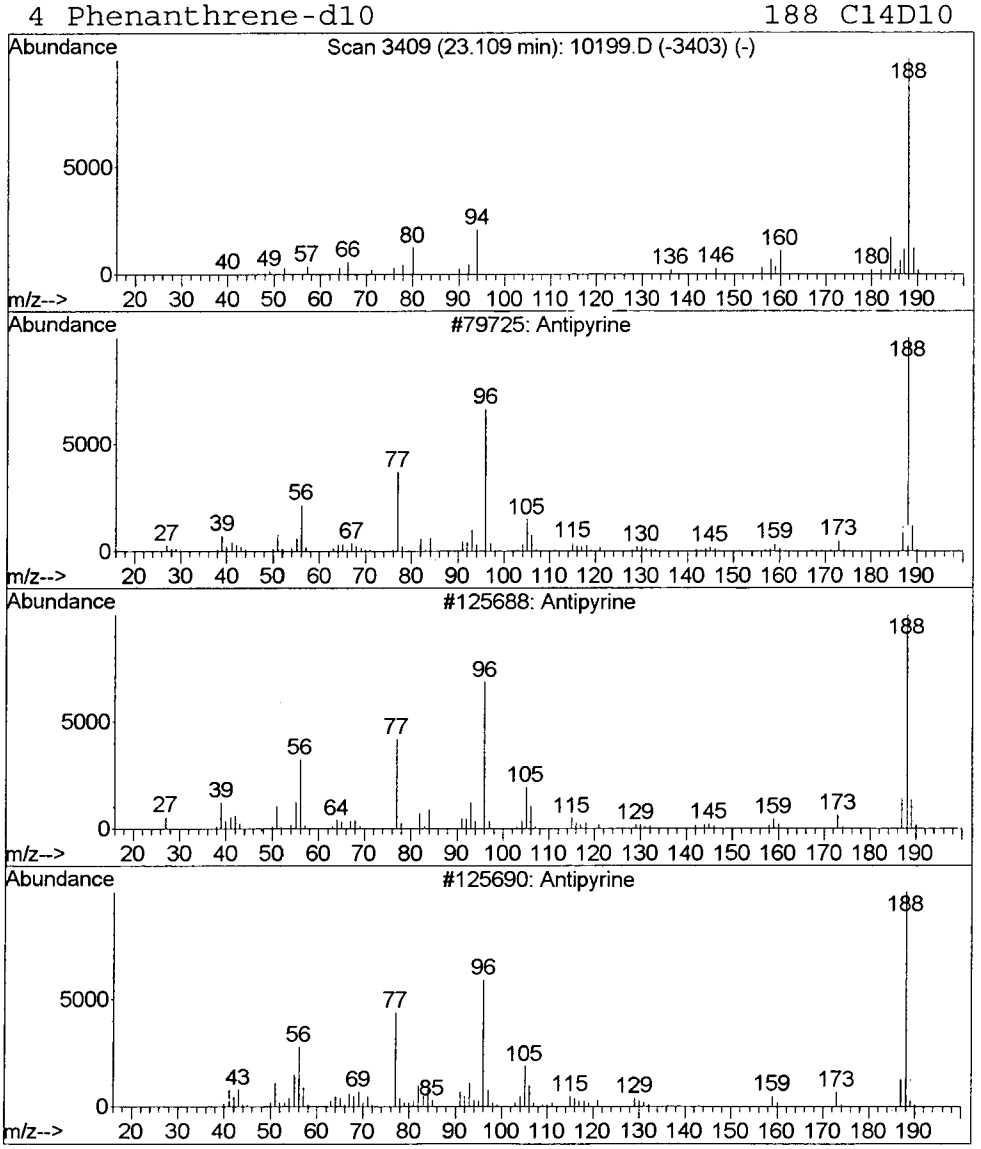
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

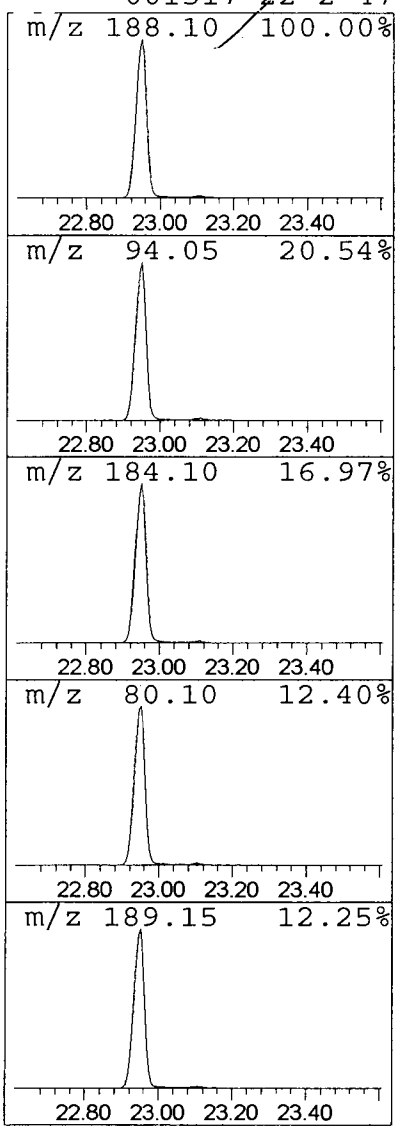
****

Peak Number 5 Antipyrine Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.43 ug/L	530997	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Antipyrine	188	C11H12N2O	000060-80-0	50
2	Antipyrine	188	C11H12N2O	000060-80-0	50
3	Antipyrine	188	C11H12N2O	000060-80-0	50
4	Phenanthrene-d10	188	C14D10	001517-22-2	47





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10199.D Vial: 17
Acq On : 9 May 2002 4:27 am Operator: Mclean
Sample : 4/30 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

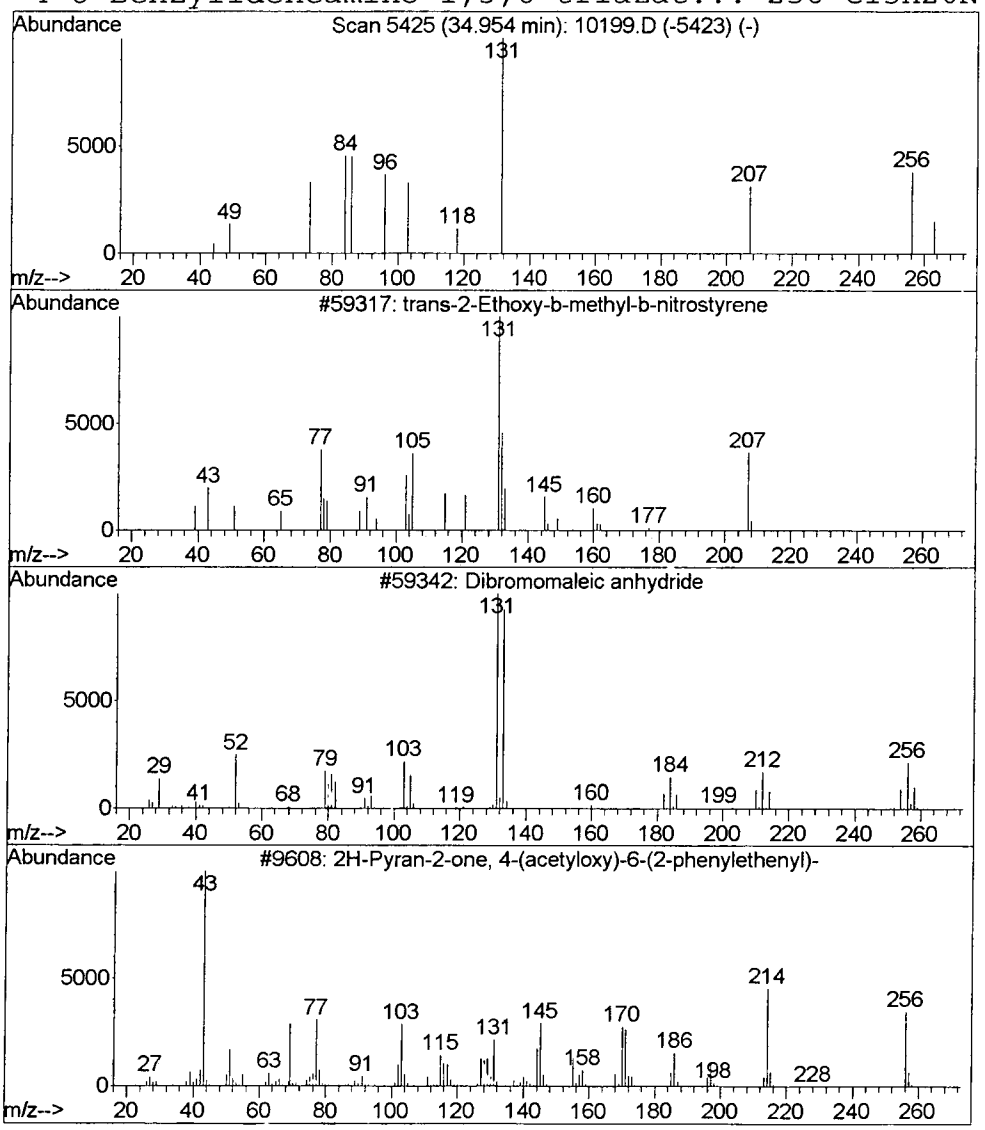
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

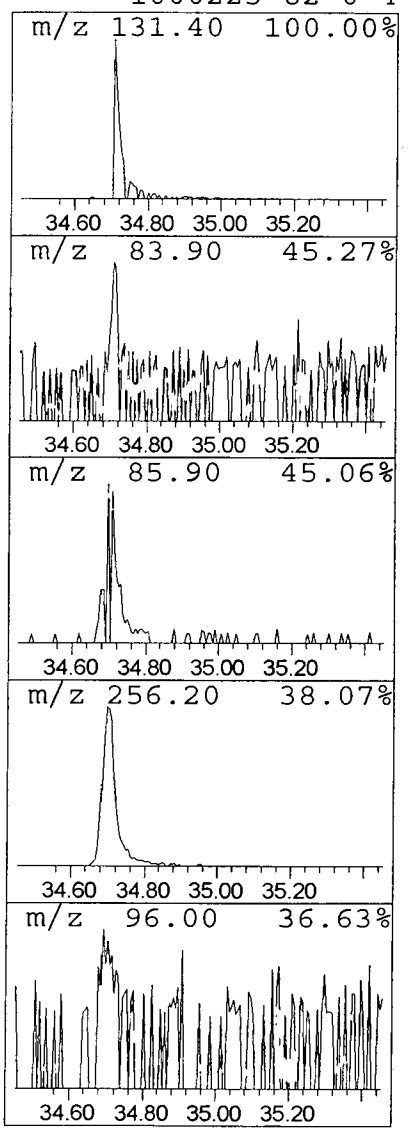
****

Peak Number 6 trans-2-Ethoxy-b-methyl-b-n... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
34.95	0.27 ug/L	186365	Perylene-d12	34.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-2-Ethoxy-b-methyl-b-nitros...	207	C11H13NO3	134040-21-4	5
2	Dibromomaleic anhydride	254	C4Br2O3	001122-12-9	4
3	2H-Pyran-2-one, 4-(acetyloxy)-6-...	256	C15H12O4	092496-95-2	4
4	8-Benzylideneamino-1,3,6-triazat...	256	C15H20N4	1000223-82-0	4





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10199.D Vial: 17
Acq On : 9 May 2002 4:27 am Operator: Mclean
Sample : 4/30 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

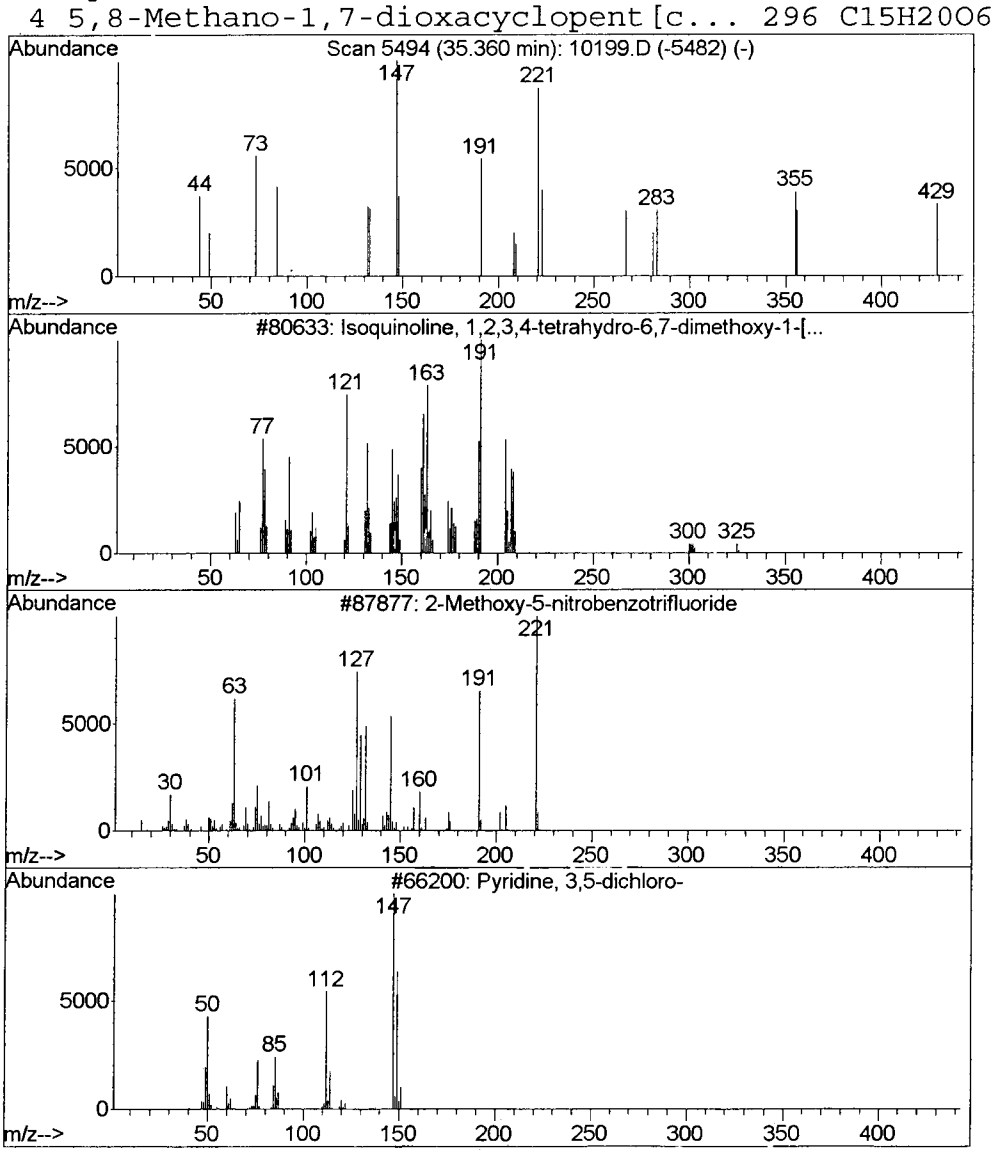
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

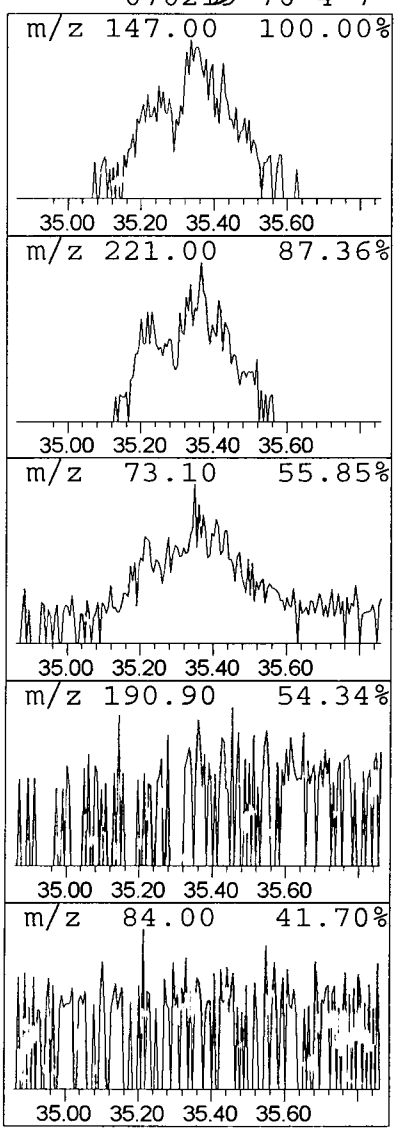
****

Peak Number 7 Isoquinoline, 1,2,3,4-tetra... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
35.36	0.23 ug/L	158297	Perylene-d12	34.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoquinoline, 1,2,3,4-tetrahydro...	327	C20H25NO3	003423-02-7	9
2	2-Methoxy-5-nitrobenzotrifluoride	221	C8H6F3NO3	000654-76-2	9
3	Pyridine, 3,5-dichloro-	147	C5H3Cl2N	002457-47-8	7
4	5,8-Methano-1,7-dioxacyclopent[c...	296	C15H20O6	070210-70-4	7





Tentatively Identified Compound (LSC) summary

Operator ID: Mclean Date Acquired: 9 May 2002 4:27 am
Data File: C:\MSDCHEM\1\DATA\050802\10199.D
Name: 4/30 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 #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Methylene Chloride	3.72	0.3	ug/L	301076	1	9.93	35186000	40.0
Octanal	5.09	0.2	ug/L	203432	1	9.93	35186000	40.0
2-Pentanone, 4-hy...	5.97	10.3	ug/L	9049530	1	9.93	35186000	40.0
Thiocyanic acid, ...	22.58	0.3	ug/L	365604	4	22.95	49115000	40.0
Antipyrine	23.11	0.4	ug/L	530997	4	22.95	49115000	40.0
trans-2-Ethoxy-b-...	34.95	0.3	ug/L	186365	6	34.70	27578500	40.0
Isoquinoline, 1,2...	35.36	0.2	ug/L	158297	6	34.70	27578500	40.0