User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/15/2002 Time: 15:04:32

Sample: AE09569
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/15/02 15:04 Ended: 5/15/02 15:04 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		83		10.0

Comments for Sample AE09569 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-15-2002 Time: 15:04:49

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\9569.D Vial: 24
Acq On : 10 May 2002 10:51 am Operator: Mclean
Sample : 5/8 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 13 11:45:12 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

re-extract

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.94	152	7464526	40.00	ug/L	0.01
10) Napthalene-d8	13.43	136	29787097	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	16228472	40.00	ug/L	0.00
29) Phenanthranene-d10	22.96	188	23668098	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	17181446	40.00	ug/L	0.00
43) Perylene-d12	34.71	264	10534598	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.55	209	3282696	33.32	ug/L	0.00
Spiked Amount 40.000			Recovery = 83.30%			
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	20.55	204	16840	N.D.		
26) Fluorene	0.00	166	0	N.D.		
28) Azobenzene	20.55	77	56978	N.D.		
30) Nnitrosodiphenylamine	20.55	169	61851	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	77227	N.D.		

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

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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	44983	N.D.	
41) Bis(2-ethylhexyl)phthalate	31.37	149	73029	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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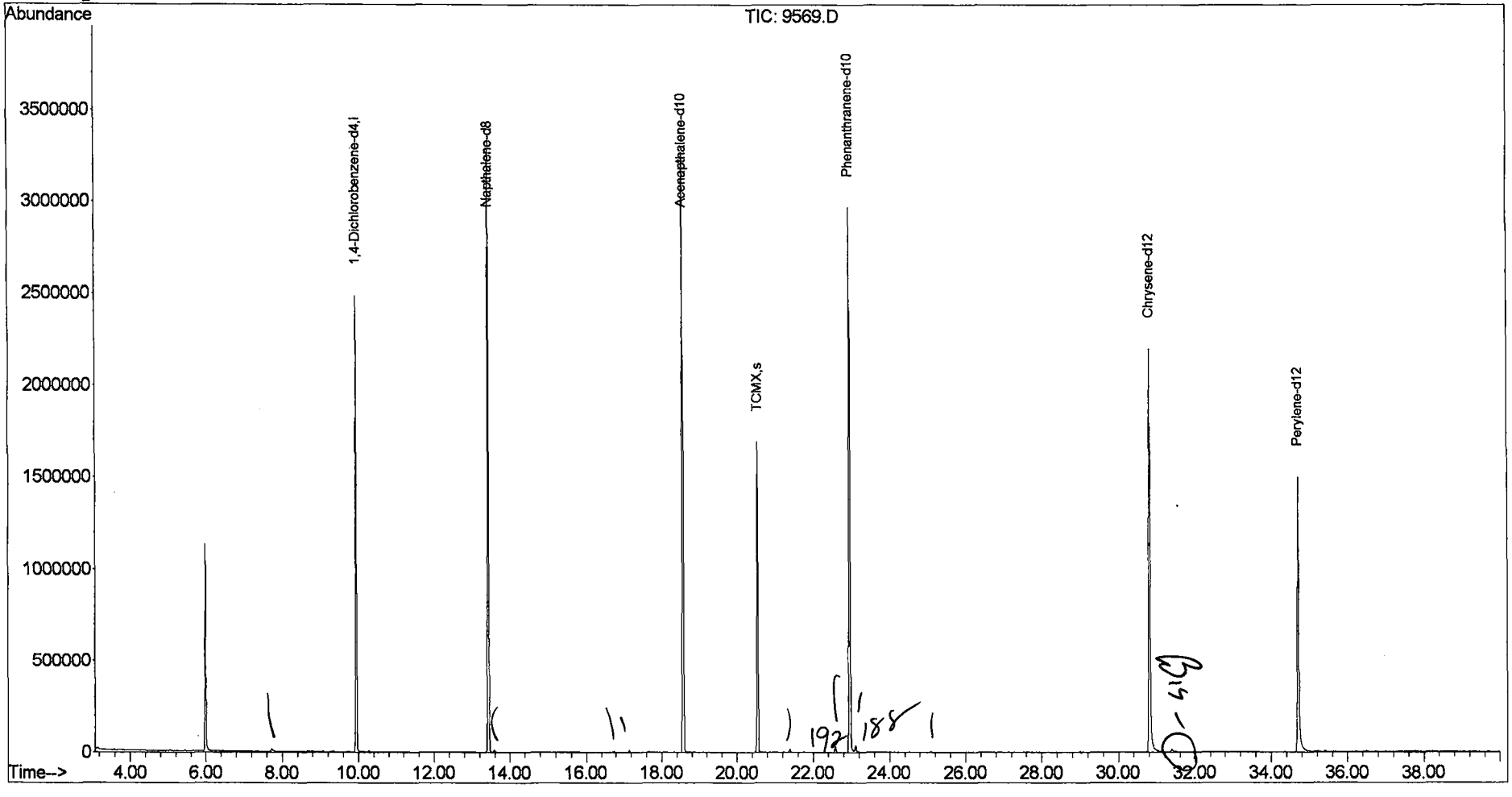
Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\050902\9569.D Vial: 24
Acq On : 10 May 2002 10:51 am Operator: Mclean
Sample : 5/8 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

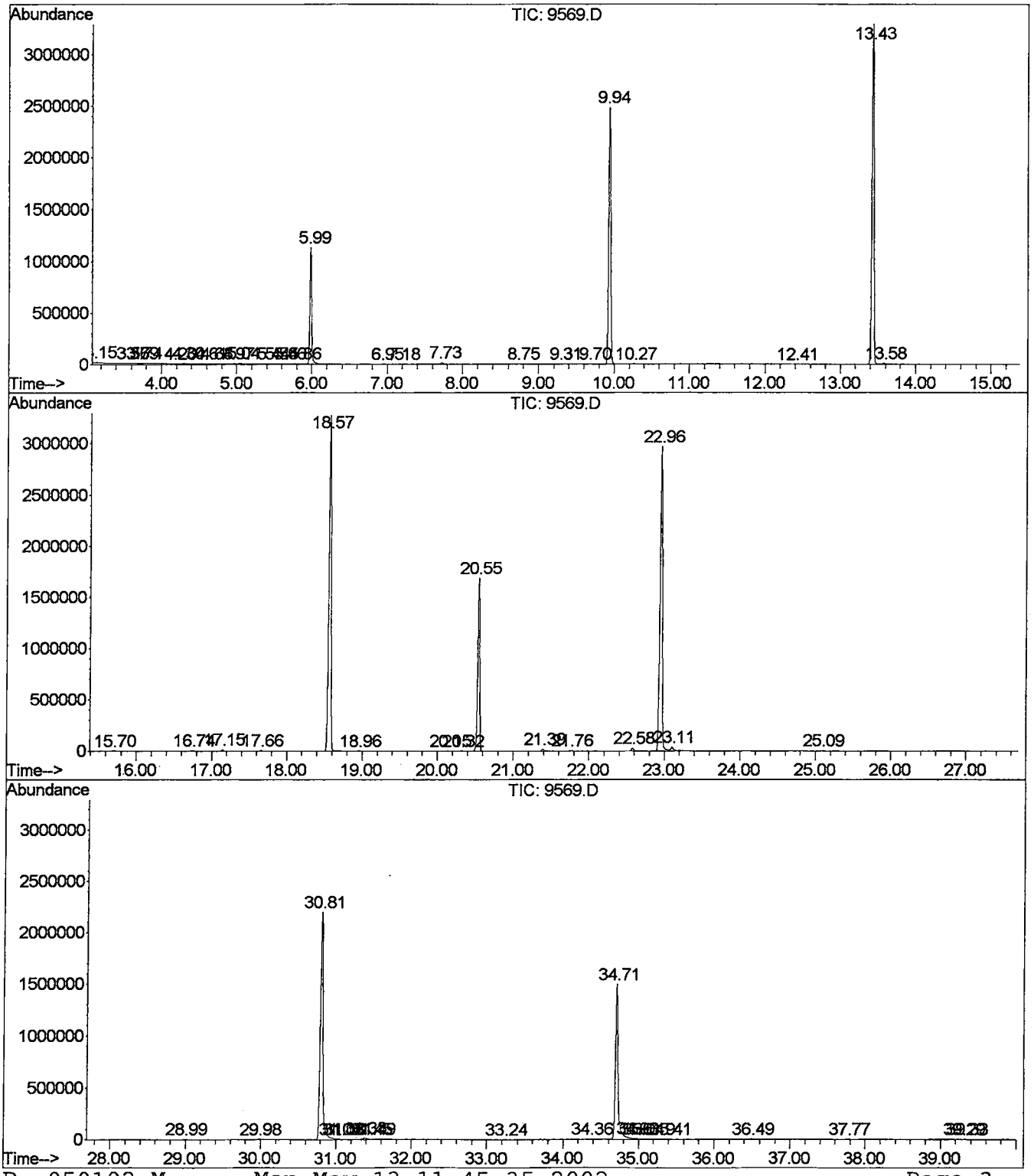
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.150	8	12	21	PV 3	6756	132091	0.20%	0.034%
2	3.567	76	83	90	PV 6	4372	70099	0.11%	0.018%
3	3.696	101	105	106	VV 4	2685	34123	0.05%	0.009%
4	3.743	106	113	115	VV 6	2794	64406	0.10%	0.016%
5	4.195	185	190	192	VV 5	1861	27964	0.04%	0.007%
6	4.301	202	208	211	VV 4	4291	79247	0.12%	0.020%
7	4.607	253	260	268	VV 8	2220	59502	0.09%	0.015%
8	4.683	268	273	278	PV 8	1781	36916	0.06%	0.009%
9	4.971	317	322	328	VV 5	5400	87758	0.13%	0.022%
10	5.042	328	334	347	VV 6	6850	187297	0.28%	0.048%
11	5.441	396	402	406	VV 3	4216	81861	0.12%	0.021%
12	5.547	412	420	425	PV 6	2860	76672	0.11%	0.020%
13	5.664	433	440	451	VV 6	3542	144524	0.22%	0.037%
14	5.858	468	473	482	VV 3	2887	76269	0.11%	0.020%
15	5.988	482	495	526	VV	1111087	18937622	28.38%	4.844%
16	6.951	655	659	664	VV 4	2260	45070	0.07%	0.012%
17	7.174	694	697	703	PV 6	2391	34926	0.05%	0.009%
18	7.727	785	791	808	PV 2	13902	341432	0.51%	0.087%
19	8.755	961	966	972	PV 5	2799	46707	0.07%	0.012%
20	9.307	1055	1060	1073	VV 4	3069	75259	0.11%	0.019%
21	9.701	1123	1127	1136	VV 6	2428	58783	0.09%	0.015%
22	9.942	1158	1168	1195	PV	2461454	46035365	68.98%	11.776%
23	10.265	1218	1223	1233	VV 5	4640	105125	0.16%	0.027%
24	12.410	1583	1588	1594	PV	1817	28648	0.04%	0.007%
25	13.432	1749	1762	1782	PV	3243587	61339990	91.91%	15.691%
26	13.585	1782	1788	1794	VV 2	10498	180069	0.27%	0.046%
27	15.700	2140	2148	2167	PV 6	3002	101419	0.15%	0.026%
28	16.746	2320	2326	2335	VV 2	6565	131288	0.20%	0.034%
29	17.145	2384	2394	2409	VV 3	13421	227758	0.34%	0.058%
30	17.662	2472	2482	2488	VV 5	6436	101565	0.15%	0.026%
31	18.573	2622	2637	2658	PV	3271102	66736747	100.00%	17.072%
32	18.961	2695	2703	2713	PV 5	2572	58298	0.09%	0.015%
33	20.148	2886	2905	2913	VV 7	1765	61617	0.09%	0.016%
34	20.324	2929	2935	2944	VV 4	2290	39821	0.06%	0.010%
35	20.547	2959	2973	2990	VV	1686801	32851711	49.23%	8.404%
36	21.393	3111	3117	3125	VV 3	18292	310231	0.46%	0.079%
37	21.758	3170	3179	3185	PV 3	3727	76936	0.12%	0.020%

38	22.580	3307	3319	3329	VV	2	30389	573055	0.86%	0.147%
39	22.956	3356	3383	3403	PV	2	2935966	65211929	97.72%	16.682%
40	23.109	3403	3409	3421	VV		38015	946627	1.42%	0.242%
41	25.089	3737	3746	3754	PV		5392	101945	0.15%	0.026%
42	28.996	4404	4411	4419	PV	3	5628	90893	0.14%	0.023%
43	29.977	4574	4578	4585	VV	3	2913	69296	0.10%	0.018%
44	30.812	4701	4720	4757	PV	2	2207780	53929484	80.81%	13.796%
45	31.035	4757	4758	4764	VV	4	6860	165804	0.25%	0.042%
46	31.082	4764	4766	4768	VV	2	5213	56715	0.08%	0.015%
47	31.106	4768	4770	4772	VV	3	4582	58816	0.09%	0.015%
48	31.376	4809	4816	4827	VV	5	14761	469606	0.70%	0.120%
49	31.452	4827	4829	4835	VV	3	4295	83412	0.12%	0.021%
50	31.493	4835	4836	4842	VV	5	3242	59640	0.09%	0.015%
51	33.233	5125	5132	5140	PV	4	1668	33548	0.05%	0.009%
52	34.361	5318	5324	5329	VV	7	2990	58384	0.09%	0.015%
53	34.707	5369	5383	5425	VV	2	1494943	38809361	58.15%	9.928%
54	34.960	5425	5426	5433	VV	4	7544	174516	0.26%	0.045%
55	35.007	5433	5434	5437	VV	3	5469	69579	0.10%	0.018%
56	35.042	5437	5440	5449	VV	7	4930	171689	0.26%	0.044%
57	35.189	5461	5465	5469	VV	6	2886	60639	0.09%	0.016%
58	35.412	5497	5503	5509	VV	6	5154	142447	0.21%	0.036%
59	36.494	5680	5687	5697	VV	5	5783	185646	0.28%	0.047%
60	37.774	5897	5905	5913	VV	6	5942	237364	0.36%	0.061%
61	39.290	6154	6163	6165	PV	6	1362	18100	0.03%	0.005%
62	39.337	6165	6171	6174	VV	5	2228	54468	0.08%	0.014%

Sum of corrected areas: 390918082

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\050902\9569.D
Operator : Mclean
Acquired : 10 May 2002 10:51 am using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/8 eh
Misc Info :
Vial Number: 24
Quant File :050102.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050902\9569.D
Acq On : 10 May 2002 10:51 am
Sample : 5/8 eh
Misc :
MS Integration Params: LSCINT.e

Vial: 24
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

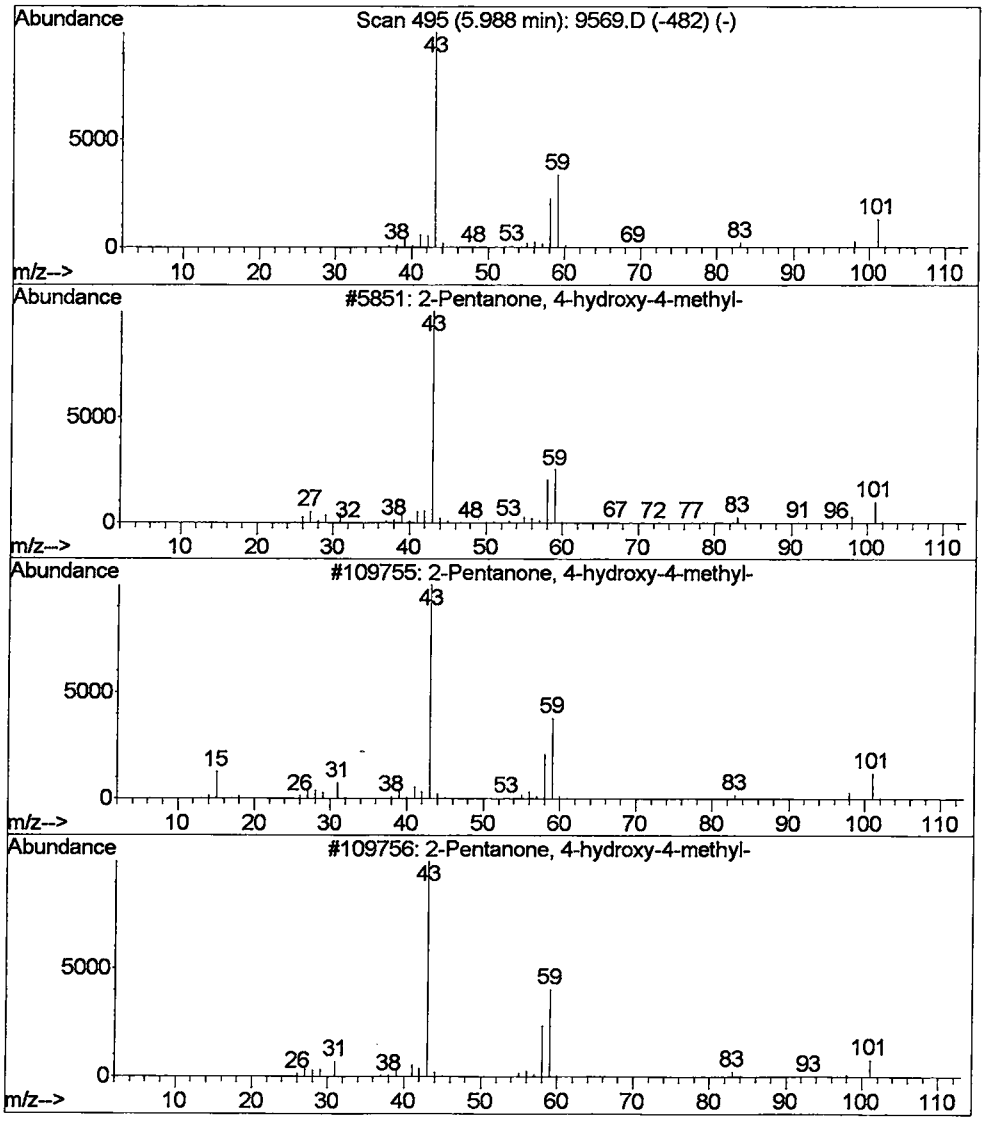
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

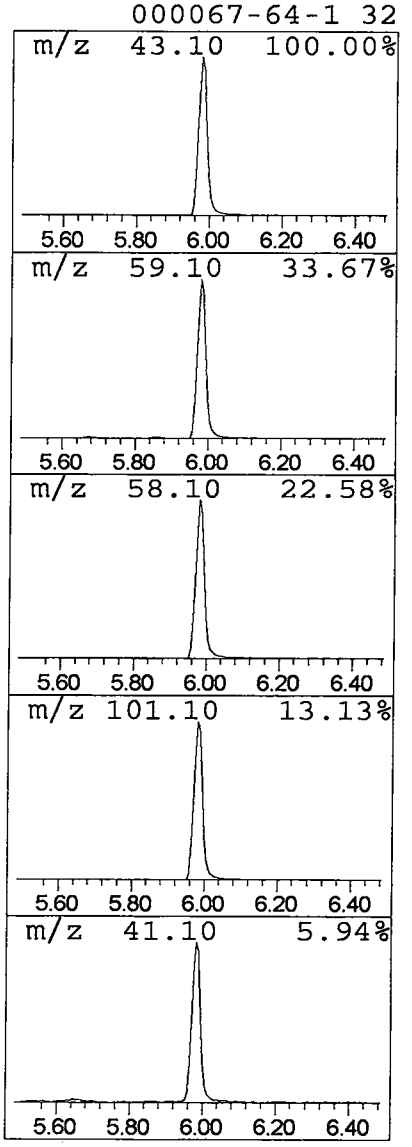
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.99	16.45 ug/L	18937600	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	83
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	78
4	Acetone	58	C3H6O	000067-64-1	32





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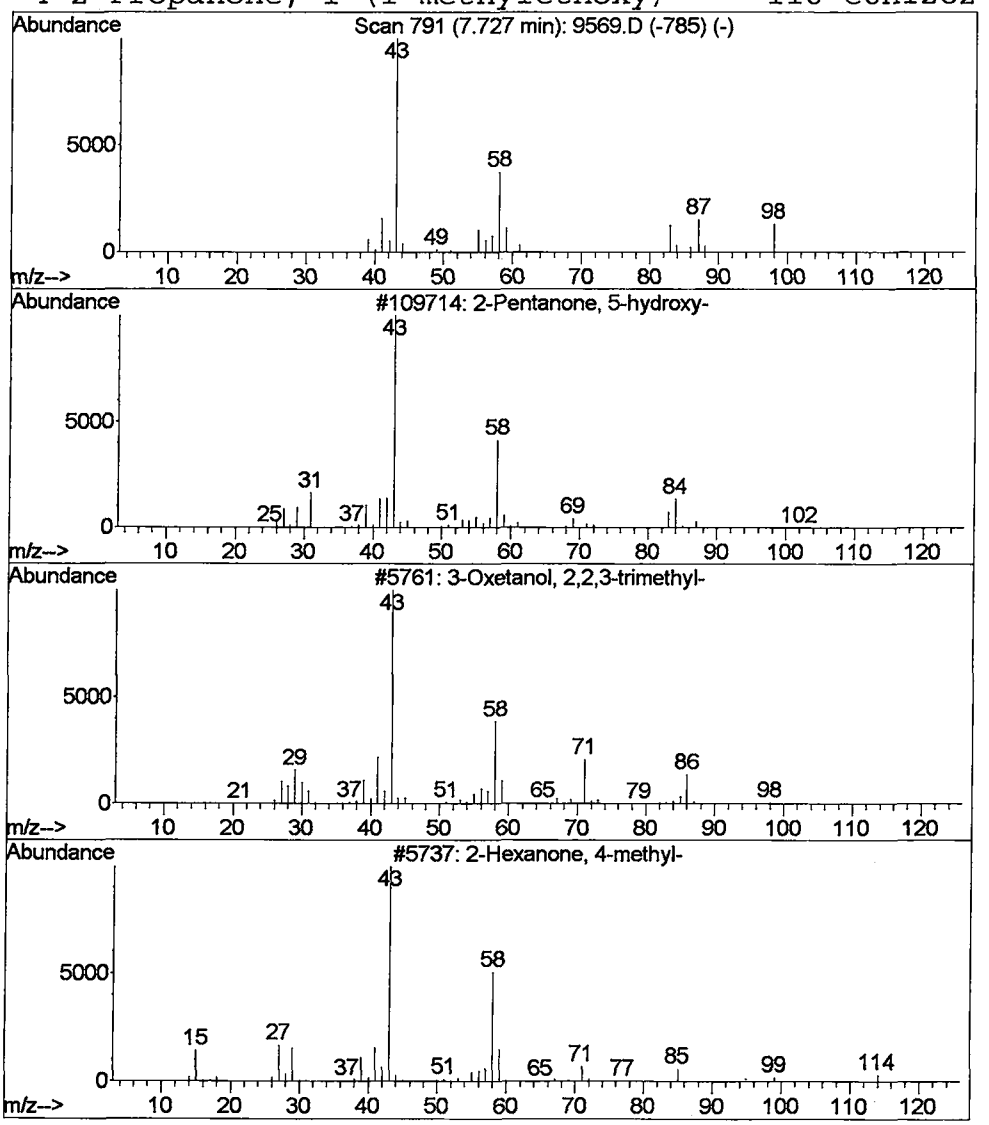
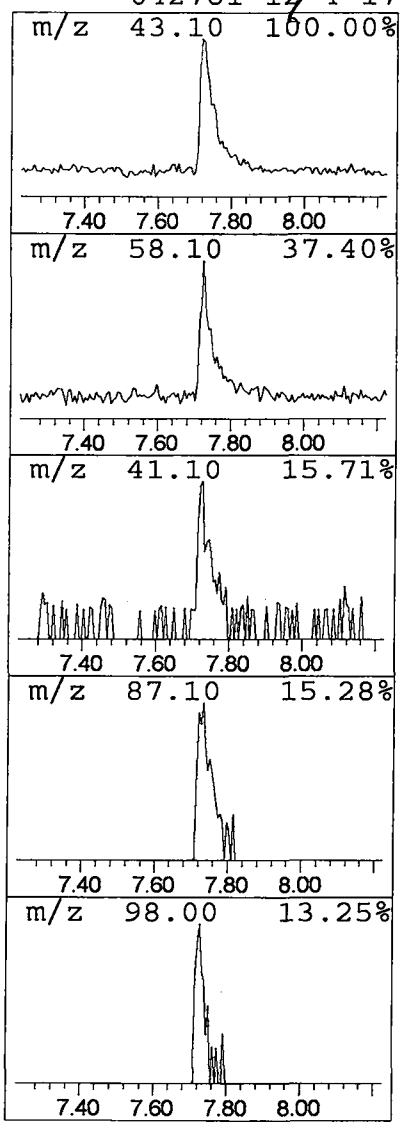
****

Peak Number 2 2-Pentanone, 5-hydroxy- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	0.30 ug/L	341432	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 5-hydroxy-	102	C5H10O2	001071-73-4	36
2	3-Oxetanol, 2,2,3-trimethyl-	116	C6H12O2	025910-96-7	25
3	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	25
4	2-Propanone, 1-(1-methylethoxy)-	116	C6H12O2	042781-12-4	17





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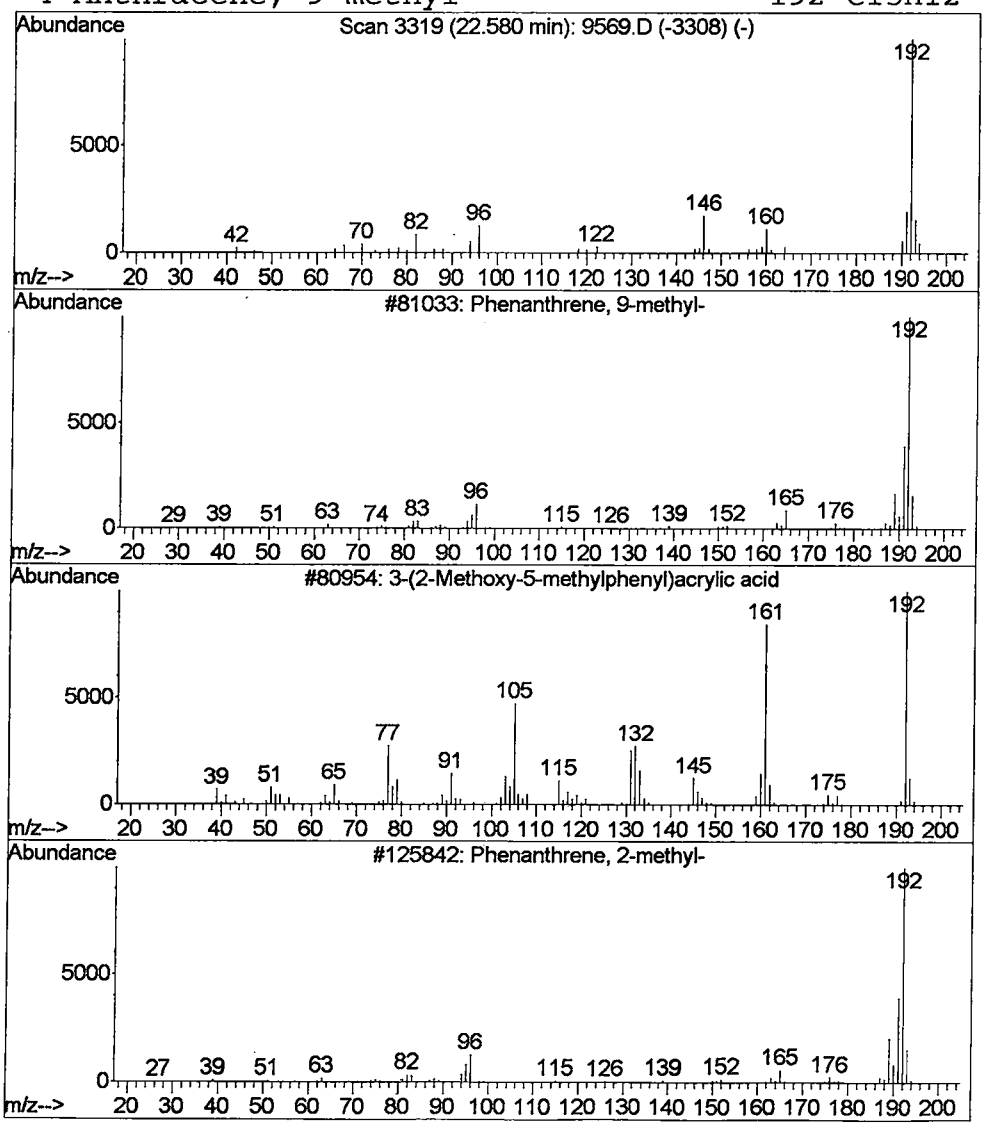
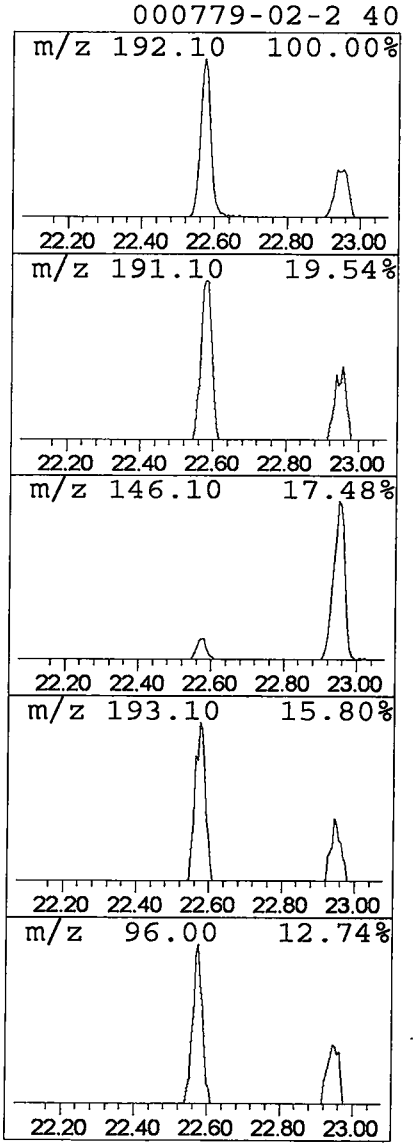
Peak Number 3 Phenanthrene, 9-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.35 ug/L	573055	Phenanthranene-d10	22.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	53
2	3-(2-Methoxy-5-methylphenyl)acry...	192	C11H12O3	103986-76-1	50
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	40
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	40





Library Search Compound Report

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Acq On : 10 May 2002 10:51 am Operator: Mclean
Sample : 5/8 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

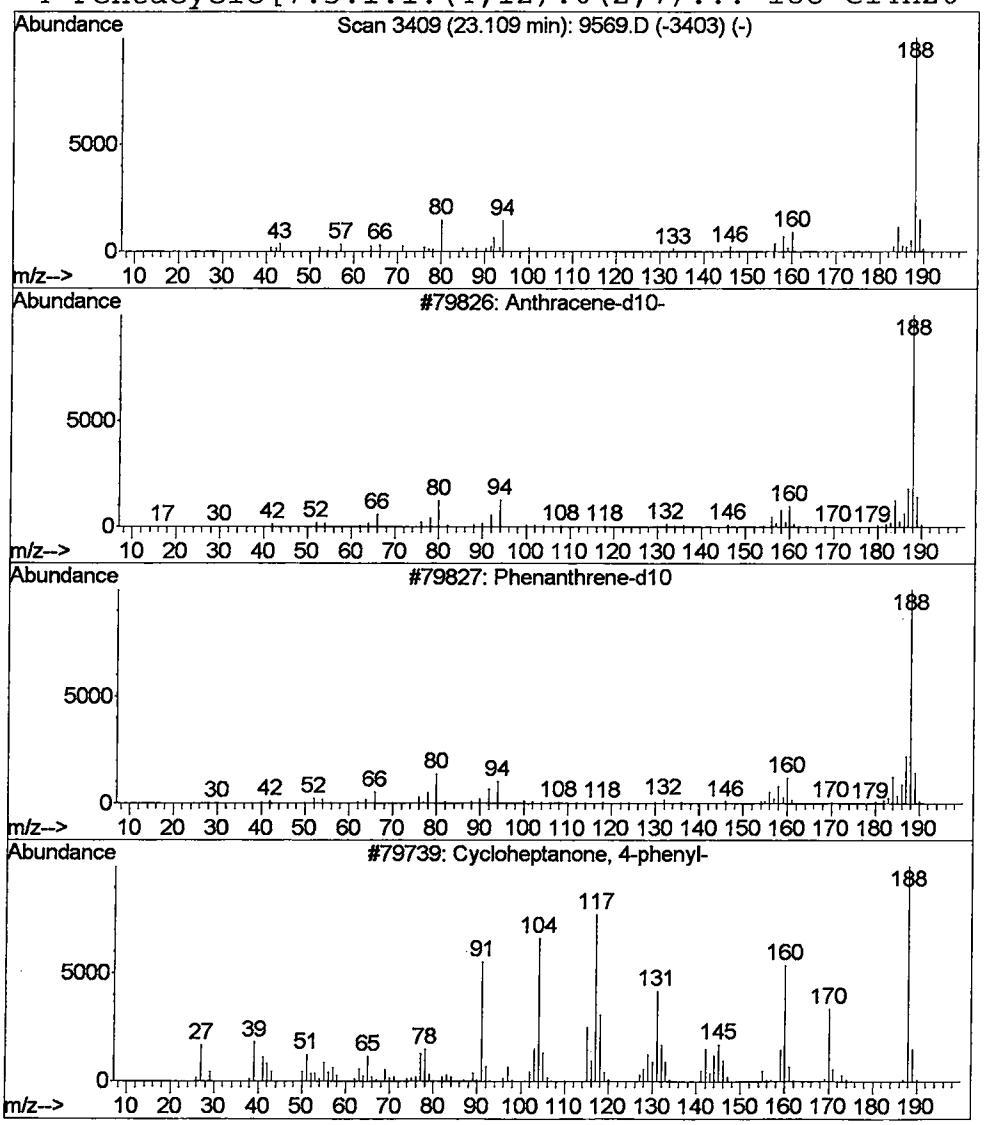
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

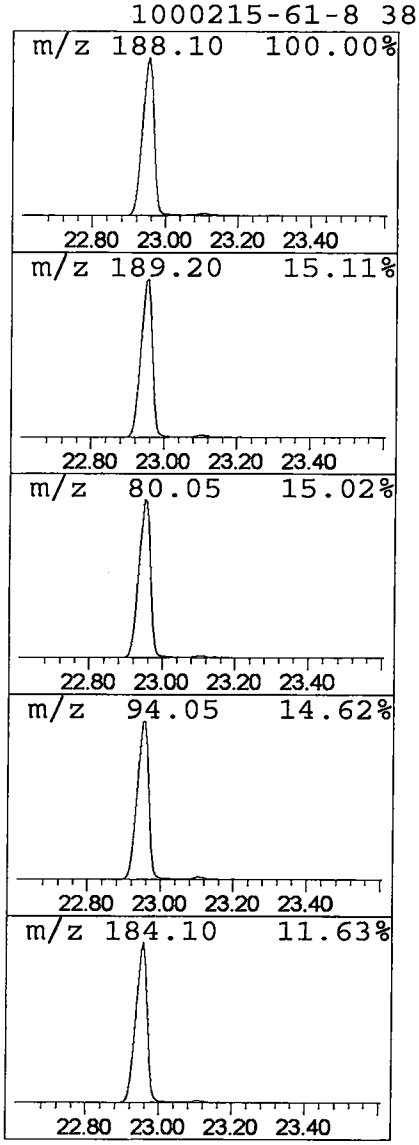
****

Peak Number 4 Anthracene-d10- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.58 ug/L	946627	Phenanthranene-d10	22.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	94
2	Phenanthrene-d10	188	C14D10	001517-22-2	91
3	Cycloheptanone, 4-phenyl-	188	C13H16O	067688-28-2	50
4	Pentacyclo[7.3.1.1.(4,12).0(2,7)...	188	C14H20	1000215-61-8	38





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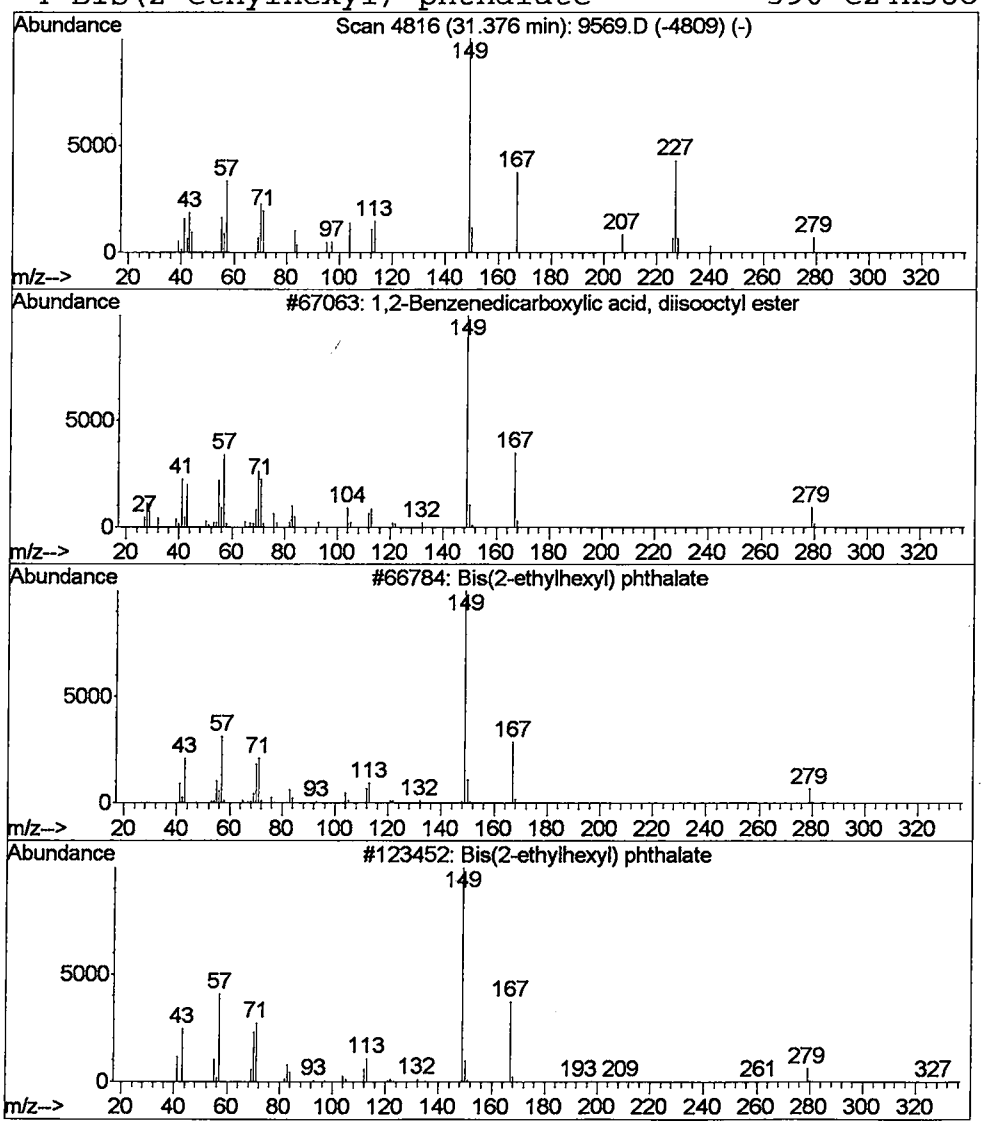
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

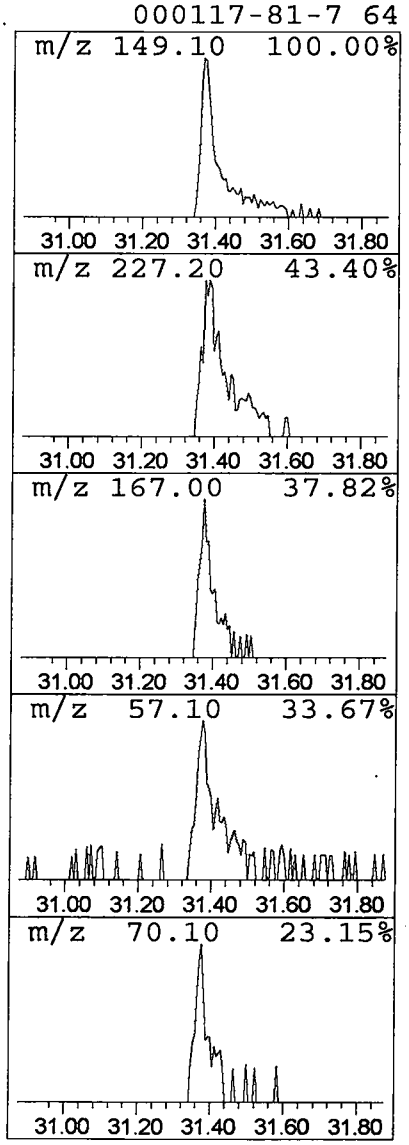
****

Peak Number 5 1,2-Benzenedicarboxylic aci... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.38	0.35 ug/L	469606	Chrysene-d12	30.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, di...	390	C24H38O4	027554-26-3	74
2	Bis(2-ethylhexyl) phthalate	390	C24H38O4	000117-81-7	72
3	Bis(2-ethylhexyl) phthalate	390	C24H38O4	000117-81-7	64
4	Bis(2-ethylhexyl) phthalate	390	C24H38O4	000117-81-7	64





Library Search Compound Report

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Acq On : 10 May 2002 10:51 am
Sample : 5/8 eh
Misc :
MS Integration Params: LSCINT.e

Vial: 24
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

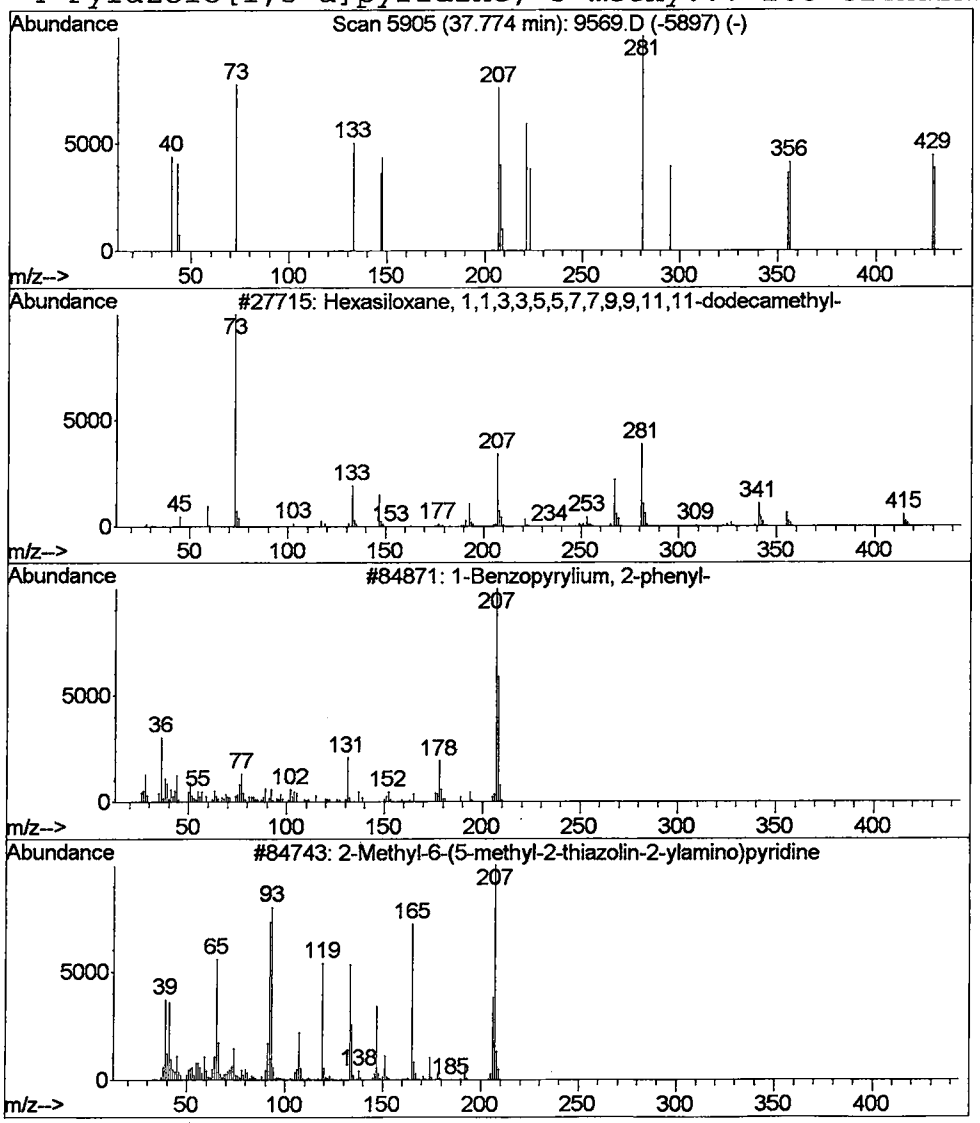
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

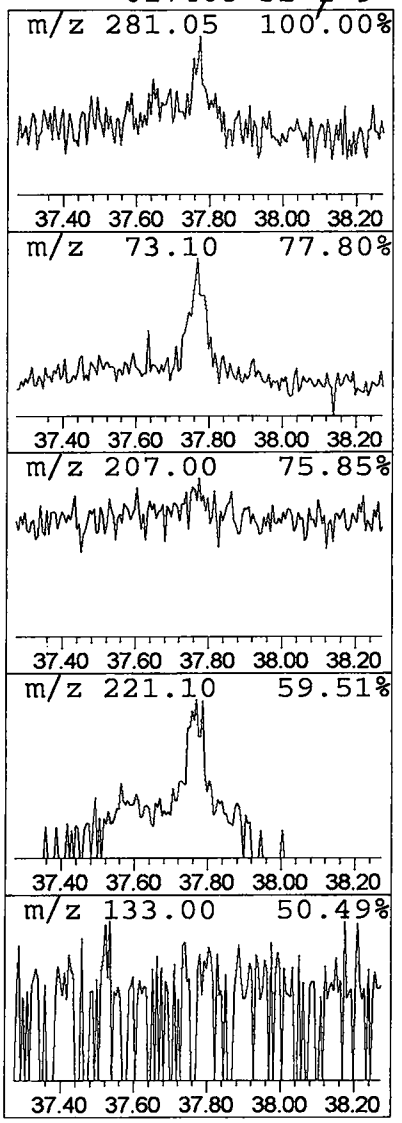
****

Peak Number 6 Hexasiloxane, 1,1,3,3,5,5,7... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
37.77	0.24 ug/L	237364	Perylene-d12	34.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexasiloxane, 1,1,3,3,5,5,7,7,9,...	430	C12H38O5Si6	000995-82-4	12
2	1-Benzopyrylium, 2-phenyl-	207	C15H11O	014051-53-7	9
3	2-Methyl-6-(5-methyl-2-thiazolin...	207	C10H13N3S	1000225-39-3	9
4	Pyrazolo[1,5-a]pyridine, 3-methy...	208	C14H12N2	017408-32-1	9





Tentatively Identified Compound (LSC) summary

Operator ID: Mclean Date Acquired: 10 May 2002 10:51 am
Data File: C:\MSDCHEM\1\DATA\050902\9569.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 #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
2-Pentanone, 4-hy...	5.99	16.5	ug/L	18937600	1	9.94	46035400	40.0
2-Pentanone, 5-hy...	7.73	0.3	ug/L	341432	1	9.94	46035400	40.0
Phenanthrene, 9-m...	22.58	0.4	ug/L	573055	4	22.96	65211900	40.0
Anthracene-d10-	23.11	0.6	ug/L	946627	4	22.96	65211900	40.0
1,2-Benzenedicarb...	31.38	0.3	ug/L	469606	5	30.81	53929500	40.0
Hexasiloxane, 1,1...	37.77	0.2	ug/L	237364	6	34.71	38809400	40.0