User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/22/2002 Time: 12:43:10

Sample: AE11384
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/22/02 12:42 Ended: 5/22/02 12:42 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		86		10.0

Comments for Sample AE11384 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-22-2002 Time: 12:43:33

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recovery for 3 of the 43 compounds in the LCS Standard were low.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051702\11384.D Vial: 11
Acq On : 17 May 2002 8:56 pm Operator: Mclean
Sample : 5/15 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 20 09:51:36 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	9.93	152	4917242	40.00 ug/L	0.00
10) Napthalene-d8	13.43	136	19213701	40.00 ug/L	0.00
17) Acenapthalene-d10	18.57	164	10291042	40.00 ug/L	0.00
29) Phenanthranene-d10	22.95	188	14854625	40.00 ug/L	0.00
37) Chrysene-d12	30.80	240	10384960	40.00 ug/L	0.00
43) Perylene-d12	34.70	264	5970930	40.00 ug/L	0.00
System Monitoring Compounds					
27) TCMX	20.54	209	2160708	34.58 ug/L	0.00
Spiked Amount 40.000			Recovery = 86.45%		
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	36122	N.D.	
30) Nnitrosodiphenylamine	20.54	169	41933	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	36339	N.D.	

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051702\11384.D Vial: 11
Acq On : 17 May 2002 8:56 pm Operator: Mclean
Sample : 5/15 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 20 09:51:36 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

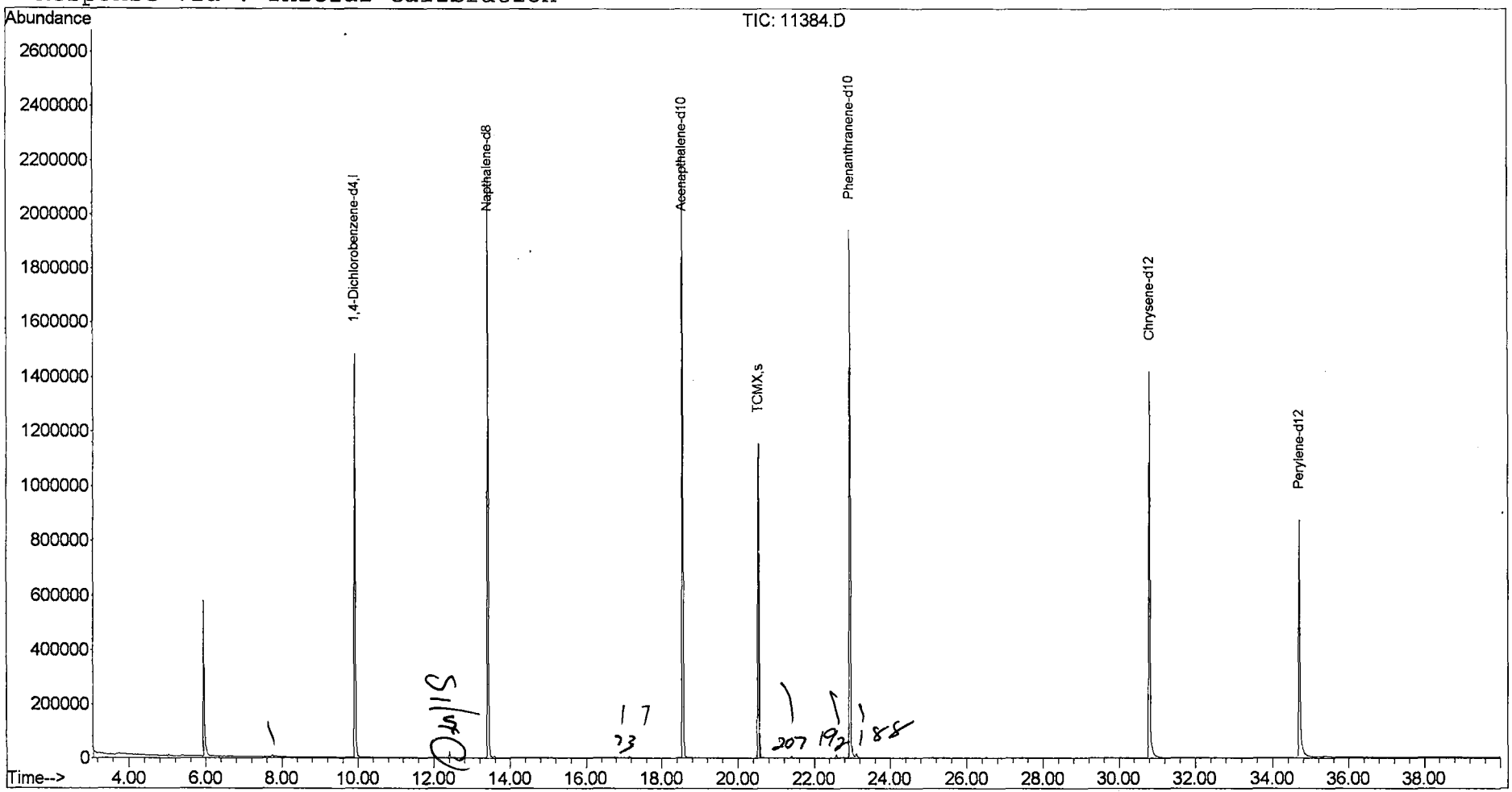
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36) Fluoroanthene	0.00	202	0	N.D.	
38) Pyrene	0.00	202	0	N.D.	
39) Butylbenzylphthalate	0.00	149	0	N.D.	
40) Benzo(a)anthracene	0.00	228	0	N.D.	
41) Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.	
42) Chrysene	0.00	228	0	N.D.	
44) Di-n-octylphthalate	0.00	149	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)

Data File : C:\MSDCHEM\1\DATA\051702\11384.D Vial: 11
Acq On : 17 May 2002 8:56 pm Operator: Mclean
Sample : 5/15 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 20 9:51 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



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\051702\11384.D
Acq On : 17 May 2002 8:56 pm
Sample : 5/15 ad
Misc :
MS Integration Params: LSCINT.e

Vial: 11
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

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

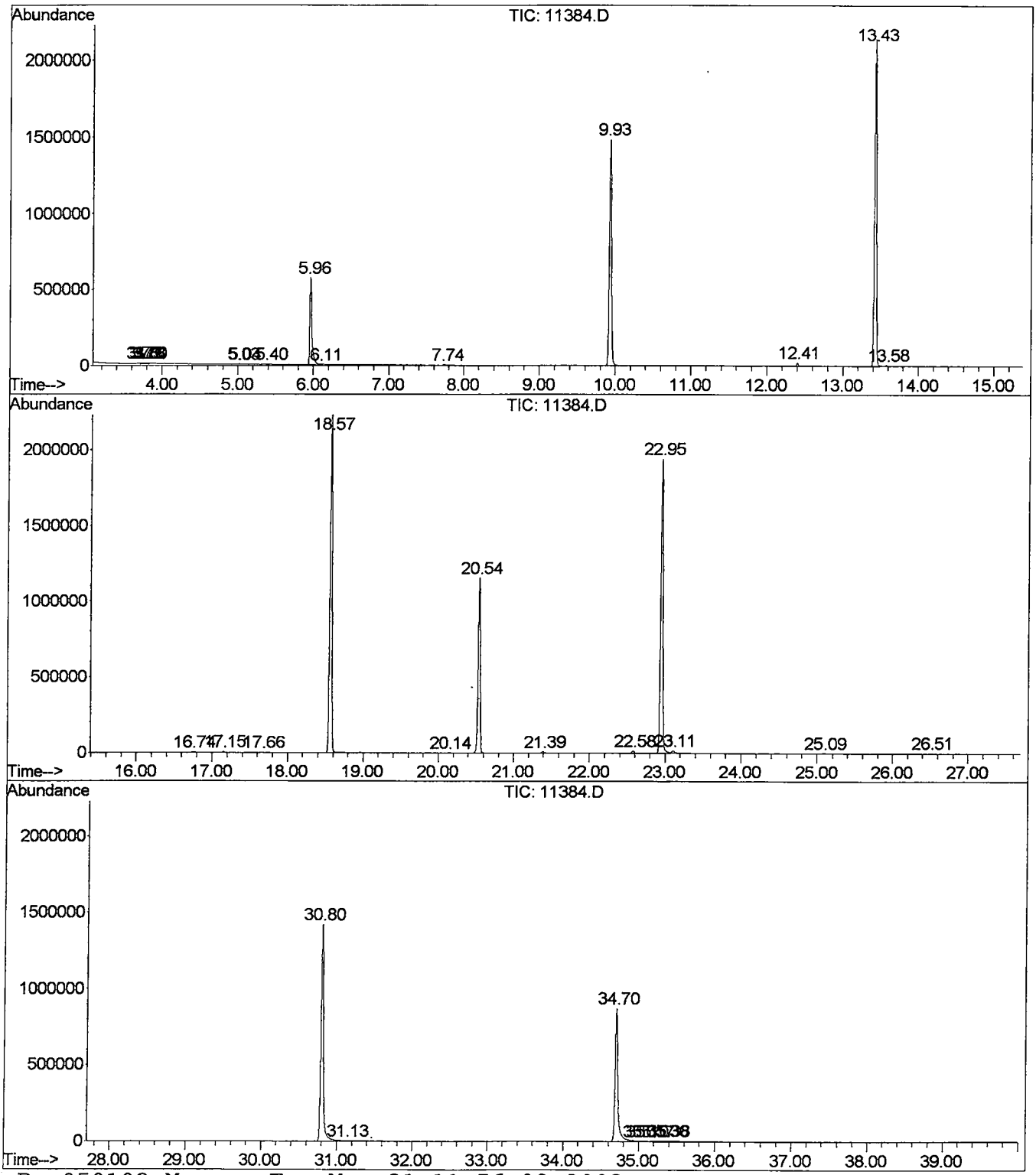
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.696	94	105	108	PV 7	4945	137069	0.32%	0.057%
2	3.732	108	111	114	VV 5	6123	109172	0.26%	0.045%
3	3.761	114	116	118	VV 2	5570	84229	0.20%	0.035%
4	3.779	118	119	121	VV 2	5778	49186	0.12%	0.020%
5	3.802	121	123	129	VV 5	5189	124901	0.30%	0.052%
6	5.024	328	331	333	VV 3	3547	36243	0.09%	0.015%
7	5.042	333	334	342	VV 6	2911	60351	0.14%	0.025%
8	5.400	390	395	400	VV 5	2630	51772	0.12%	0.022%
9	5.964	481	491	515	PV	577196	10963683	25.90%	4.565%
10	6.117	515	517	519	VV 2	2748	34641	0.08%	0.014%
11	7.739	788	793	814	PV 4	4885	175832	0.42%	0.073%
12	9.930	1156	1166	1187	PV	1464637	29234354	69.07%	12.171%
13	12.404	1579	1587	1596	VV	20647	321814	0.76%	0.134%
14	13.426	1748	1761	1782	PV	2107394	39043712	92.24%	16.255%
15	13.585	1782	1788	1799	VV 3	6228	127813	0.30%	0.053%
16	16.746	2316	2326	2339	VV 2	3072	89393	0.21%	0.037%
17	17.145	2390	2394	2401	VV 2	5831	93717	0.22%	0.039%
18	17.663	2463	2482	2486	PV 5	2901	58657	0.14%	0.024%
19	18.567	2625	2636	2659	PV	2244066	42328388	100.00%	17.623%
20	20.142	2900	2904	2912	VV 4	1984	37879	0.09%	0.016%
21	20.542	2953	2972	2984	PV	1134863	21190820	50.06%	8.822%
22	21.394	3111	3117	3124	BV 4	7716	130714	0.31%	0.054%
23	22.580	3309	3319	3332	VV 2	13553	261904	0.62%	0.109%
24	22.951	3372	3382	3401	PV 2	1917200	40414220	95.48%	16.826%
25	23.109	3401	3409	3426	VV 2	14987	436108	1.03%	0.182%
26	25.089	3737	3746	3756	PV 2	1960	47641	0.11%	0.020%
27	26.505	3978	3987	3993	BV 2	3105	53803	0.13%	0.022%
28	30.800	4707	4718	4772	PV 2	1396674	32208782	76.09%	13.410%
29	31.123	4772	4773	4780	VV 6	1137	22459	0.05%	0.009%
30	34.702	5371	5382	5440	PV 2	862586	22171179	52.38%	9.231%
31	35.054	5440	5442	5444	VV 3	1370	14029	0.03%	0.006%
32	35.095	5444	5449	5458	VV 8	1292	29865	0.07%	0.012%
33	35.172	5458	5462	5464	PV 2	992	12952	0.03%	0.005%
34	35.360	5485	5494	5495	PV 6	1092	21158	0.05%	0.009%
35	35.377	5495	5497	5501	VV 3	1258	13339	0.03%	0.006%

Sum of corrected areas: 240191780

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\051702\11384.D
Operator : Mclean
Acquired : 17 May 2002 8:56 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/15 ad
Misc Info :
Vial Number: 11
Quant File :050102.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051702\11384.D Vial: 11
Acq On : 17 May 2002 8:56 pm Operator: Mclean
Sample : 5/15 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

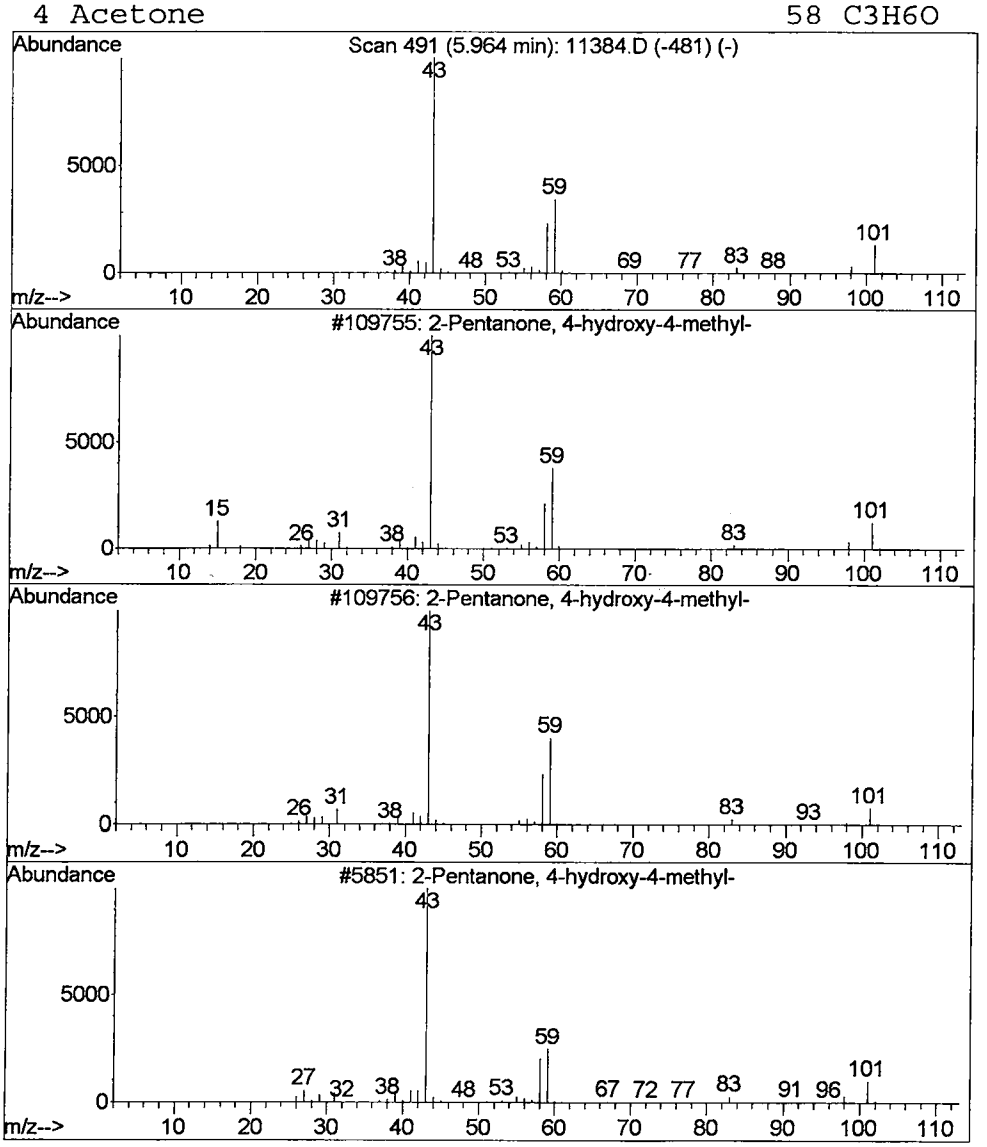
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

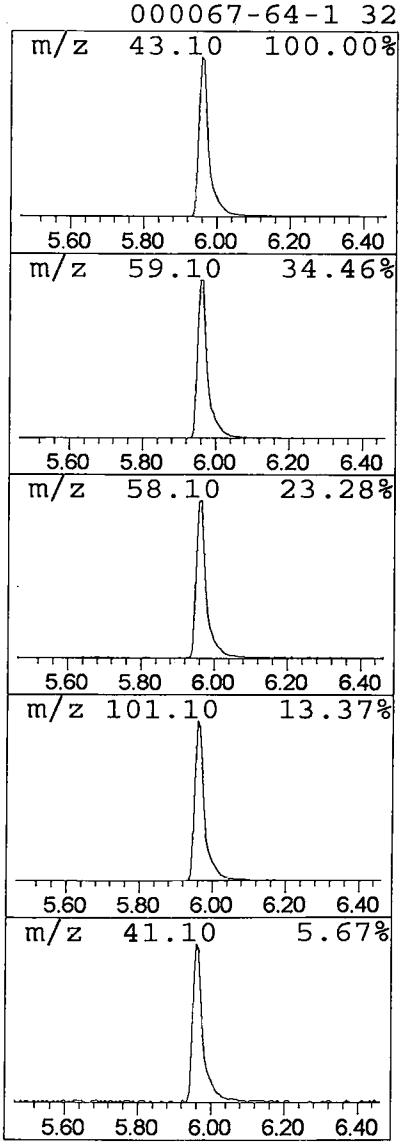
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.96	15.00 ug/L	10963700	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	72
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
4	Acetone	58	C3H6O	000067-64-1	32





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051702\11384.D
Acq On : 17 May 2002 8:56 pm
Sample : 5/15 ad
Misc :
MS Integration Params: LSCINT.e

Vial: 11
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

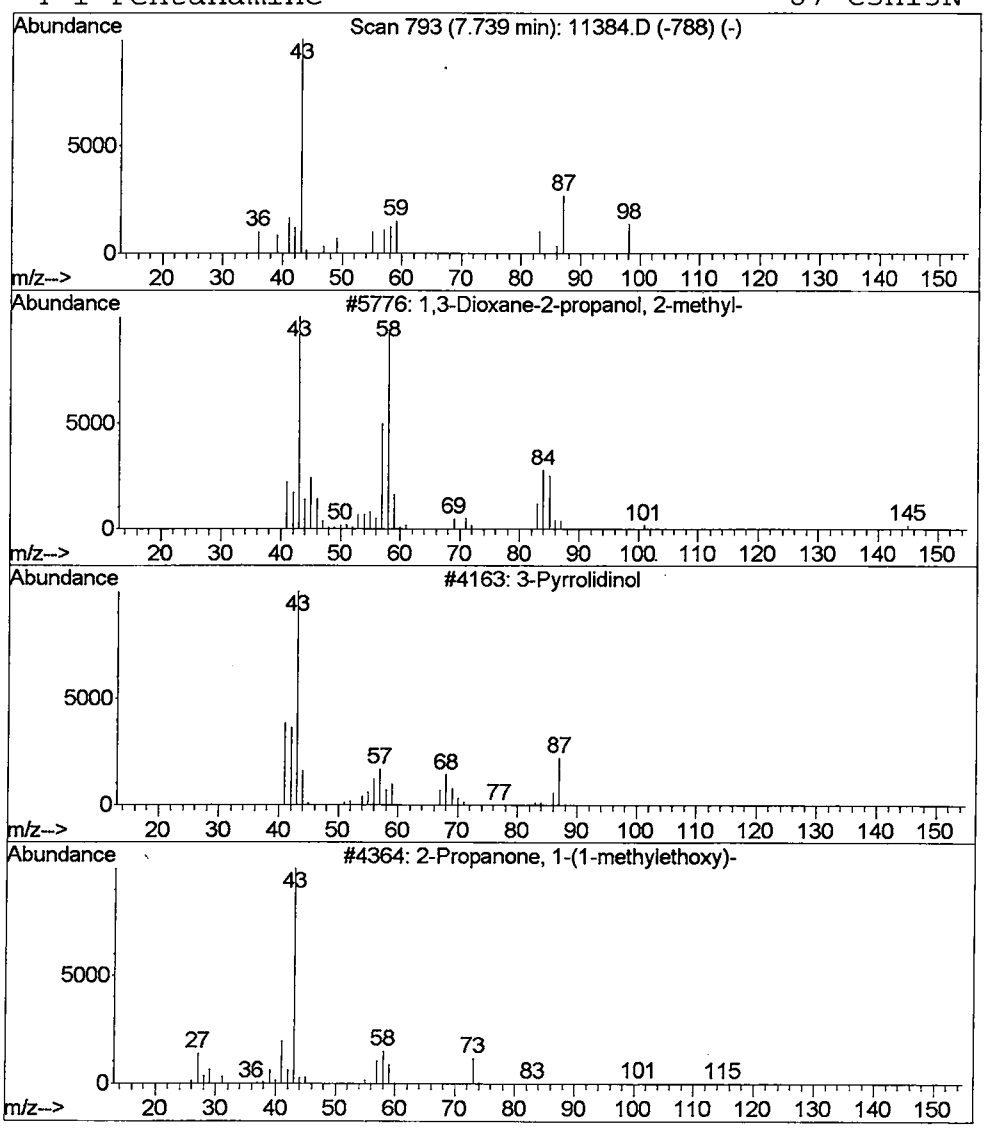
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

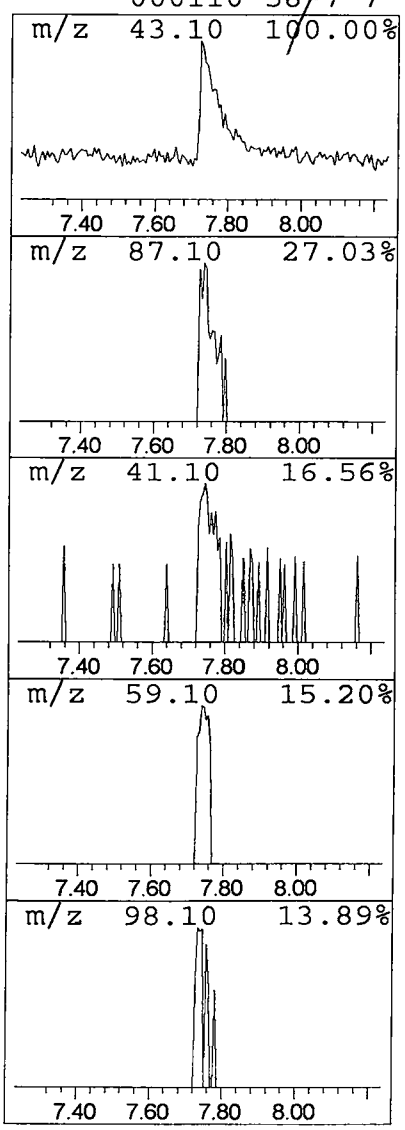
****

Peak Number 2 1,3-Dioxane-2-propanol, 2-m... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.74	0.24 ug/L	175832	1,4-Dichlorobenzene-d4	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dioxane-2-propanol, 2-methyl-	160	C8H16O3	036651-31-7	17
2	3-Pyrrolidinol	87	C4H9NO	040499-83-0	9
3	2-Propanone, 1-(1-methylethoxy)-	116	C6H12O2	042781-12-4	9
4	1-Pentanamine	87	C5H13N	000110-58-7	7





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051702\11384.D Vial: 11
Acq On : 17 May 2002 8:56 pm Operator: Mclean
Sample : 5/15 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

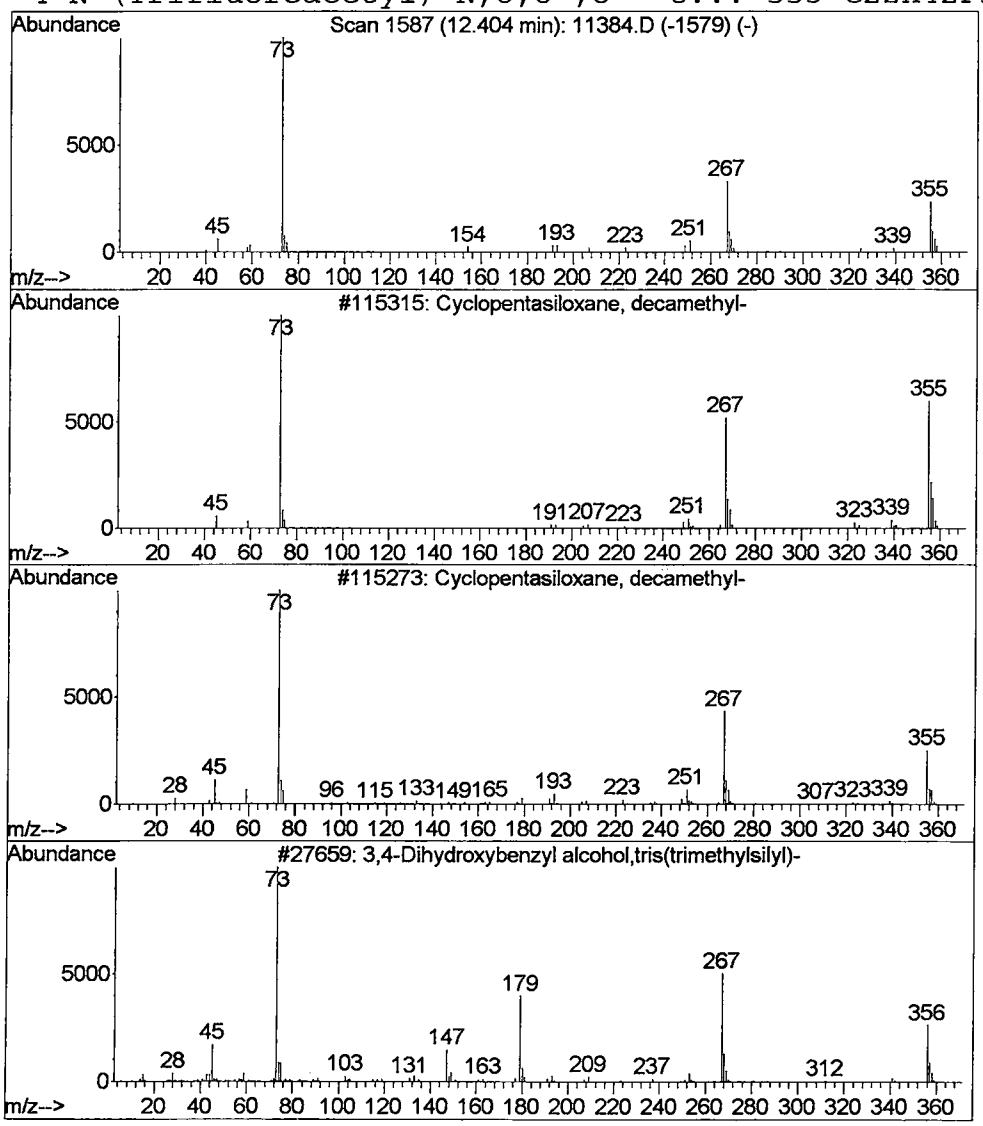
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

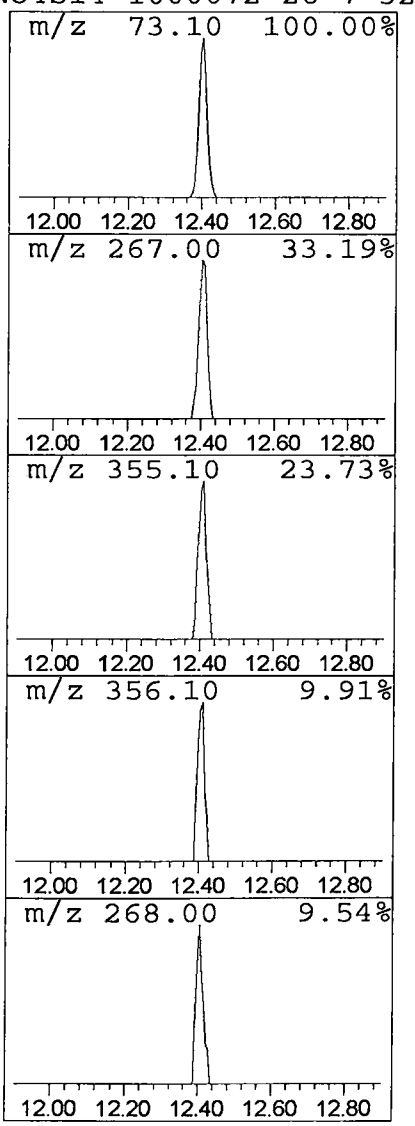
****

Peak Number 3 Cyclopentasiloxane, decamet... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	0.33 ug/L	321814	Napthalene-d8	13.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	90
2	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	90
3	3,4-Dihydroxybenzyl alcohol,tris...	356	C16H32O3Si3	068595-79-9	43
4	N-(Trifluoroacetyl)-N,O,O',O''-t...	553	C22H42F3NO4Si4	1000072-26-7	32





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051702\11384.D Vial: 11
Acq On : 17 May 2002 8:56 pm Operator: Mclean
Sample : 5/15 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

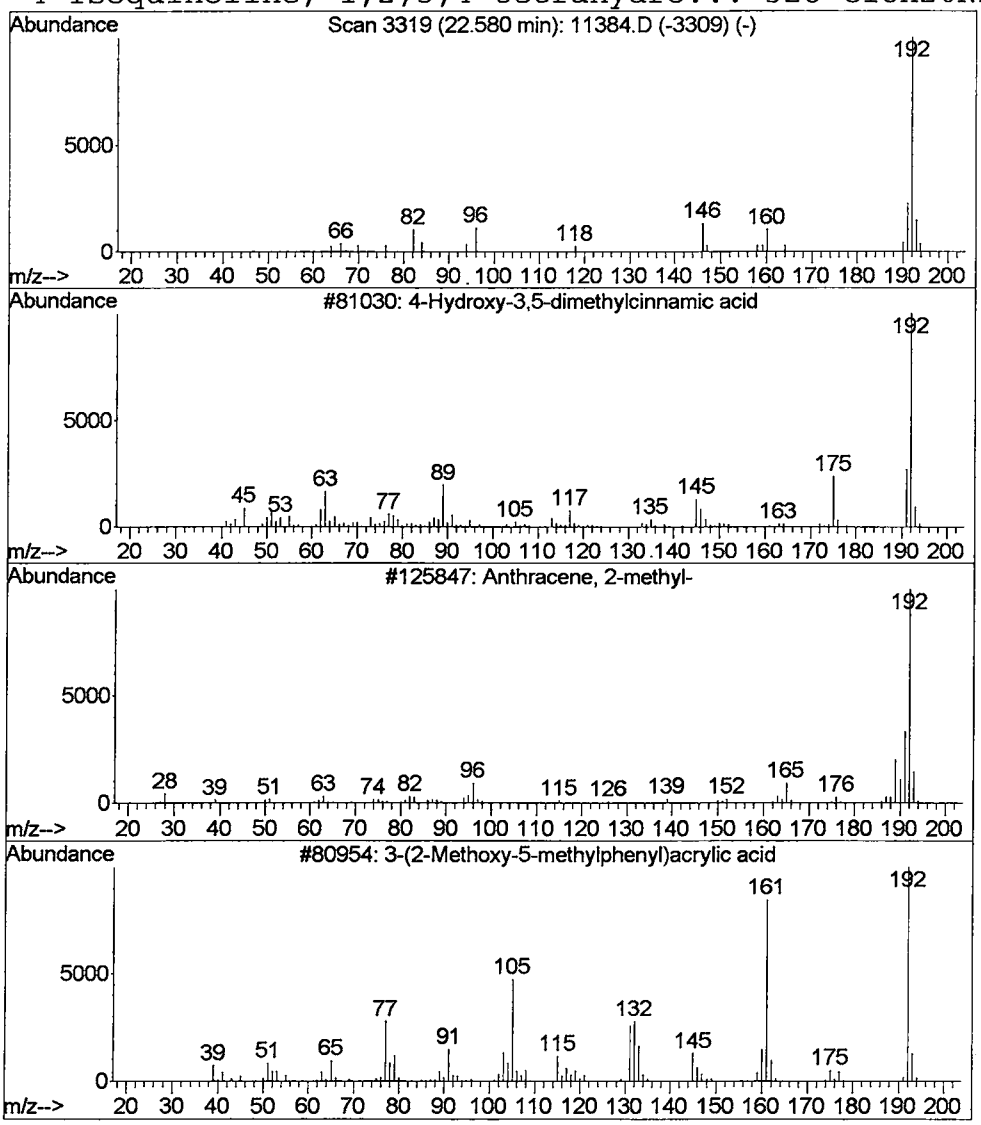
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

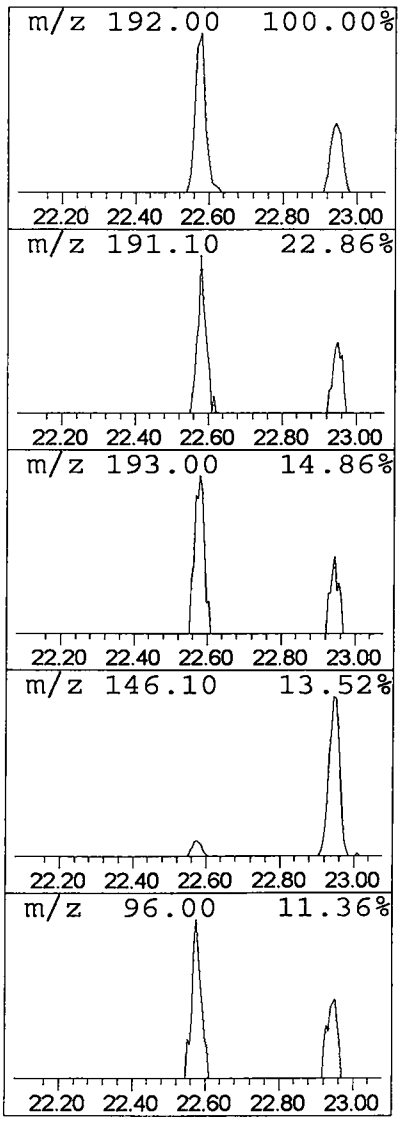
****

Peak Number 4 4-Hydroxy-3,5-dimethylcinna... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.26 ug/L	261904	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Hydroxy-3,5-dimethylcinnamic acid	192	C11H12O3	1000132-15-8	59
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	59
3	3-(2-Methoxy-5-methylphenyl)acry...	192	C11H12O3	103986-76-1	40
4	Isoquinoline, 1,2,3,4-tetrahydro...	328	C18H20N2O4	1000128-79-2	40





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051702\11384.D Vial: 11
Acq On : 17 May 2002 8:56 pm Operator: Mclean
Sample : 5/15 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

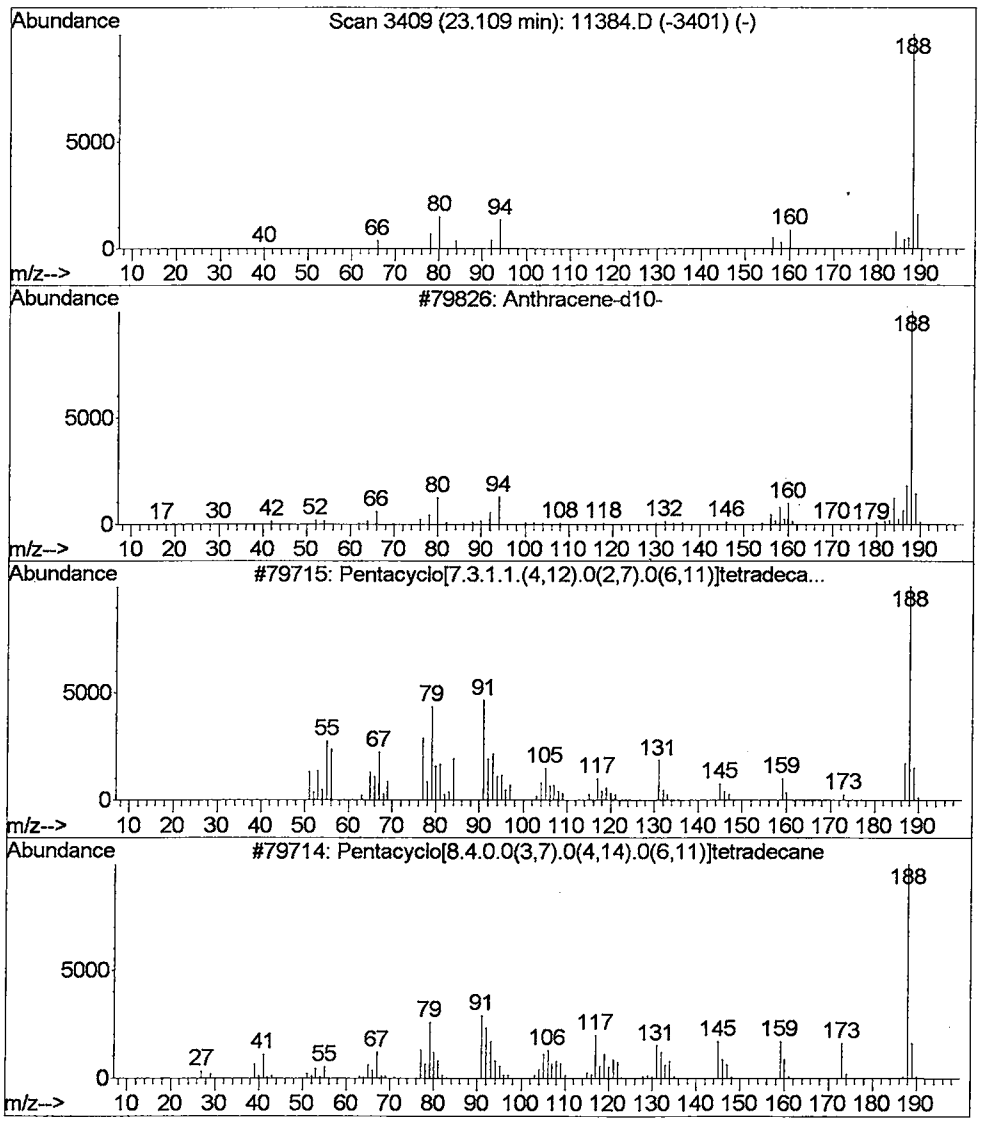
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

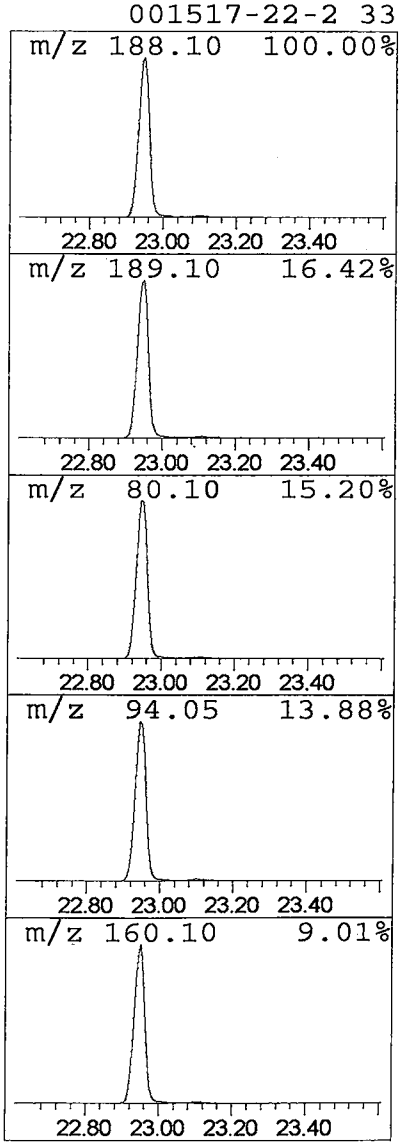
****

Peak Number 5 Anthracene-d10- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.43 ug/L	436108	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	72
2	Pentacyclo[7.3.1.1.(4,12).0(2,7)...	188	C14H20	1000215-61-8	64.
3	Pentacyclo[8.4.0.0(3,7).0(4,14)....	188	C14H20	1000099-27-2	38
4	Phenanthrene-d10	188	C14D10	001517-22-2	33





Tentatively Identified Compound (TIC) Summary

Operator ID: Mclean Date Acquired: 17 May 2002 8:56 pm
Data File: C:\MSDCHEM\1\DATA\051702\11384.D
Name: 5/15 ad
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...	5.96	15.0	ug/L	10963700	1	9.93	29234400	40.0
1,3-Dioxane-2-pro...	7.74	0.2	ug/L	175832	1	9.93	29234400	40.0
Cyclopentasiloxan...	12.41	0.3	ug/L	321814	2	13.43	39043700	40.0
4-Hydroxy-3,5-dim...	22.58	0.3	ug/L	261904	4	22.95	40414200	40.0
Anthracene-d10-	23.11	0.4	ug/L	436108	4	22.95	40414200	40.0