User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/22/2002 Time: 12:44:31

Sample: AE11409
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/22/02 12:43 Ended: 5/22/02 12:43 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 AE11409 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-22-2002 Time: 12:44:56

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\11409.D Vial: 12
Acq On : 17 May 2002 9:45 pm Operator: Mclean
Sample : 5/15 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 20 09:51:44 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	5195765	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	20322837	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	10990104	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	15815554	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	11241831	40.00	ug/L	0.00
43) Perylene-d12	34.70	264	7113586	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.54	209	2222451	33.31	ug/L	0.00
Spiked Amount 40.000			Recovery = 83.28%			
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	37709	N.D.		
30) Nnitrosodiphenylamine	20.54	169	42087	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	0.00	149	0	N.D.		

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

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	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	30.80	228	28127	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.	

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Title : 508 Modified GC/MS scan
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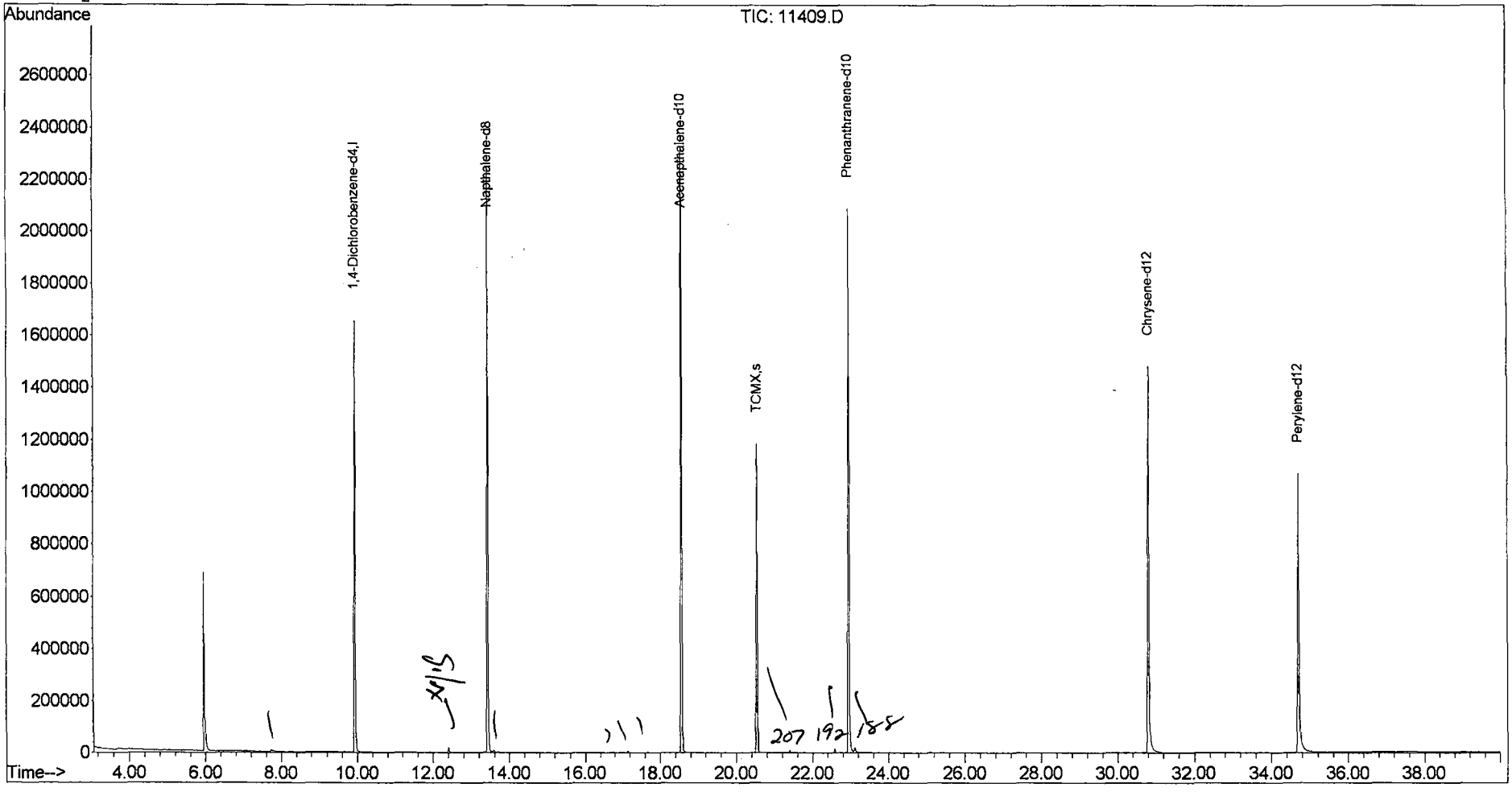


LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\051702\11409.D Vial: 12
Acq On : 17 May 2002 9:45 pm Operator: Mclean
Sample : 5/15 ad 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

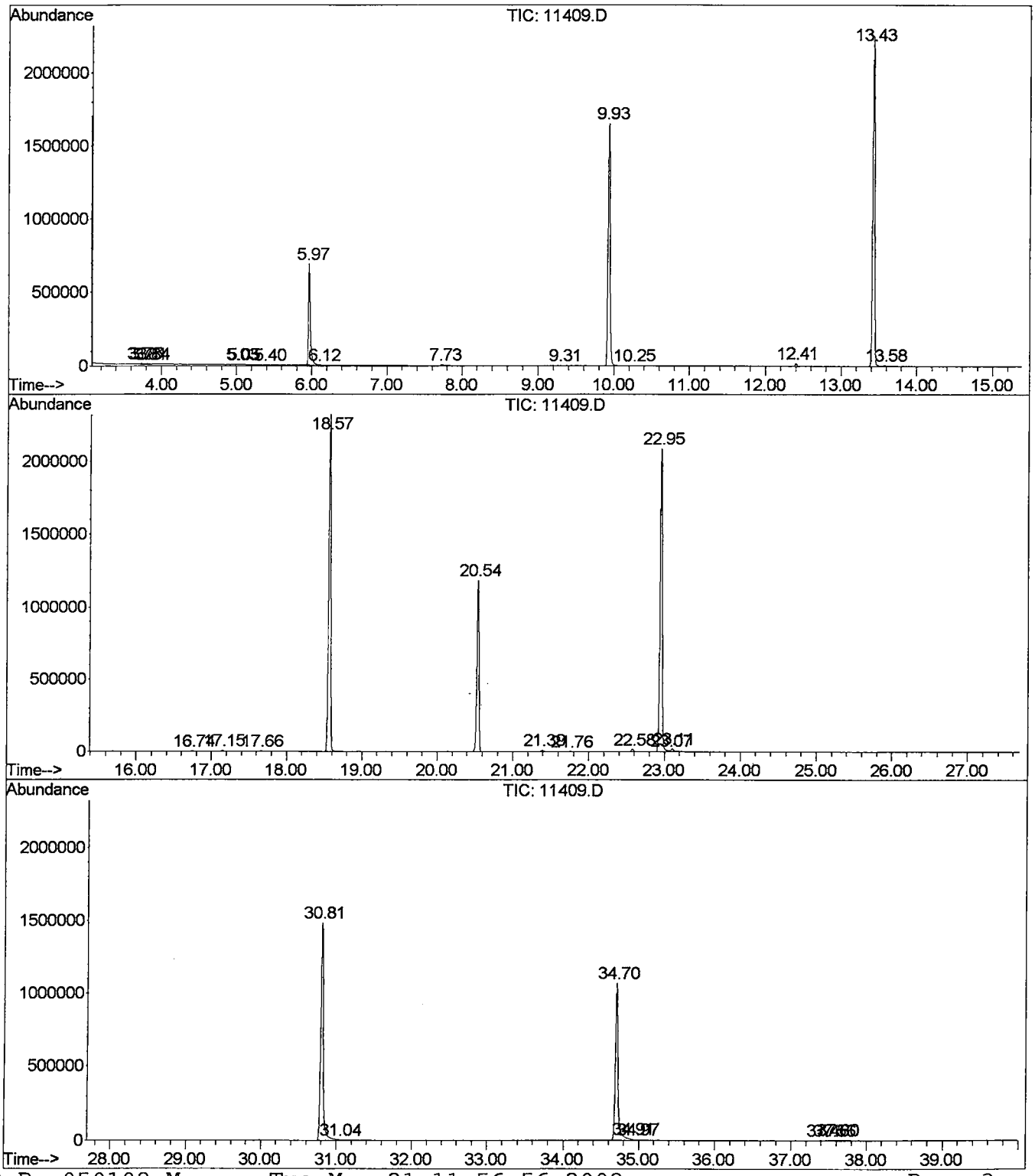
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.714	96	108	110	PV 6	4783	124566	0.28%	0.048%
2	3.743	110	113	122	VV 7	4975	179411	0.40%	0.069%
3	3.808	122	124	128	VV 4	4419	76377	0.17%	0.030%
4	3.843	128	130	136	VV 6	3827	93713	0.21%	0.036%
5	5.030	317	332	334	PV 9	1997	12344	0.03%	0.005%
6	5.048	334	335	338	VV 2	1776	12870	0.03%	0.005%
7	5.400	390	395	410	BV 8	2387	62186	0.14%	0.024%
8	5.964	485	491	516	PV	670156	11887411	26.43%	4.597%
9	6.117	516	517	523	VV 5	1305	17929	0.04%	0.007%
10	7.733	780	792	814	PV 4	6918	223984	0.50%	0.087%
11	9.313	1056	1061	1069	VV 7	1741	41921	0.09%	0.016%
12	9.930	1157	1166	1198	PV	1617416	31029227	68.99%	11.999%
13	10.253	1217	1221	1226	PV 4	1793	29691	0.07%	0.011%
14	12.404	1578	1587	1597	VV 2	18433	295816	0.66%	0.114%
15	13.426	1750	1761	1781	PV	2217946	41514987	92.31%	16.054%
16	13.579	1781	1787	1793	VV	7098	137142	0.30%	0.053%
17	16.740	2317	2325	2334	PV 5	3151	61771	0.14%	0.024%
18	17.145	2379	2394	2402	BV 3	6596	108165	0.24%	0.042%
19	17.662	2472	2482	2493	VV 5	2779	49741	0.11%	0.019%
20	18.567	2626	2636	2658	PV	2333141	44975233	100.00%	17.392%
21	20.542	2950	2972	2989	PV	1167353	22175550	49.31%	8.576%
22	21.393	3097	3117	3125	VV 4	9076	163568	0.36%	0.063%
23	21.758	3164	3179	3184	VV 5	1767	33696	0.07%	0.013%
24	22.580	3311	3319	3332	VV 2	15495	295328	0.66%	0.114%
25	22.951	3370	3382	3401	PV 2	2061251	43081892	95.79%	16.660%
26	23.068	3401	3402	3403	VV	5031	46850	0.10%	0.018%
27	23.109	3403	3409	3423	VV 2	18979	456300	1.01%	0.176%
28	30.806	4708	4719	4757	PV 2	1482040	34945893	77.70%	13.514%
29	31.035	4757	4758	4784	VV 5	4047	176152	0.39%	0.068%
30	34.702	5370	5382	5416	PV 2	1053041	25953712	57.71%	10.037%
31	34.907	5416	5417	5426	VV 5	6999	161350	0.36%	0.062%
32	34.972	5426	5428	5435	VV 4	2973	54950	0.12%	0.021%
33	37.463	5849	5852	5855	PV 4	1351	17315	0.04%	0.007%
34	37.557	5855	5868	5873	VV 6	1408	57725	0.13%	0.022%
35	37.604	5873	5876	5886	VV 8	1434	35604	0.08%	0.014%

Sum of corrected areas: 25859037.0

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\051702\11409.D
Operator : Mclean
Acquired : 17 May 2002 9:45 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/15 ad
Misc Info :
Vial Number: 12
Quant File :050102.RES (Chemstation Integrator)



Data File : C:\MSDCHEM\1\DATA\051702\11409.D Vial: 12
Acq On : 17 May 2002 9:45 pm Operator: Mclean
Sample : 5/15 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

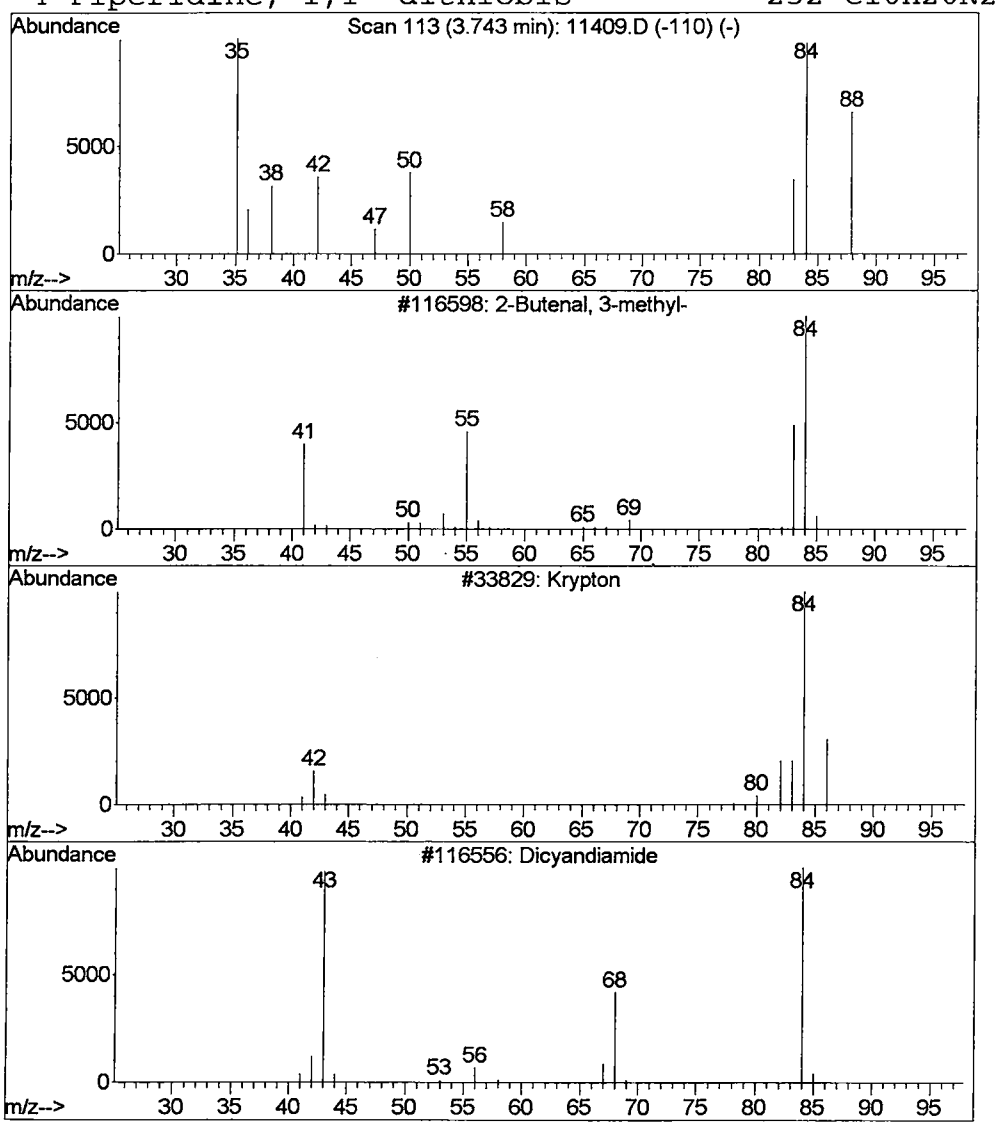
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

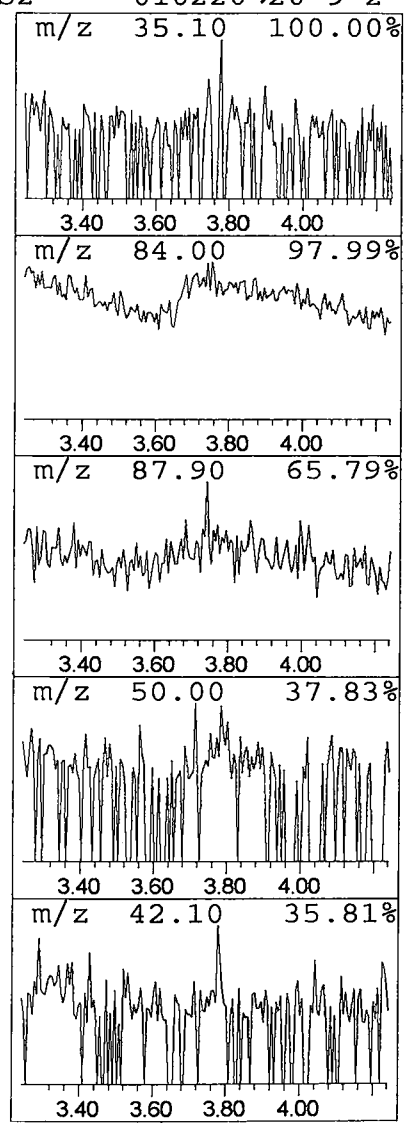
****

Peak Number 1 2-Butenal, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.75	0.23 ug/L	179411	1,4-Dichlorobenzene-d4	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	5
2	Krypton	84	Kr	007439-90-9	2
3	Dicyandiamide	84	C2H4N4	000461-58-5	2
4	Piperidine, 1,1'-dithiobis-	232	C10H20N2S2	010220-20-9	2





Data File : C:\MSDCHEM\1\DATA\051702\11409.D
Acq On : 17 May 2002 9:45 pm
Sample : 5/15 ad
Misc :
MS Integration Params: LSCINT.e

Vial: 12
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

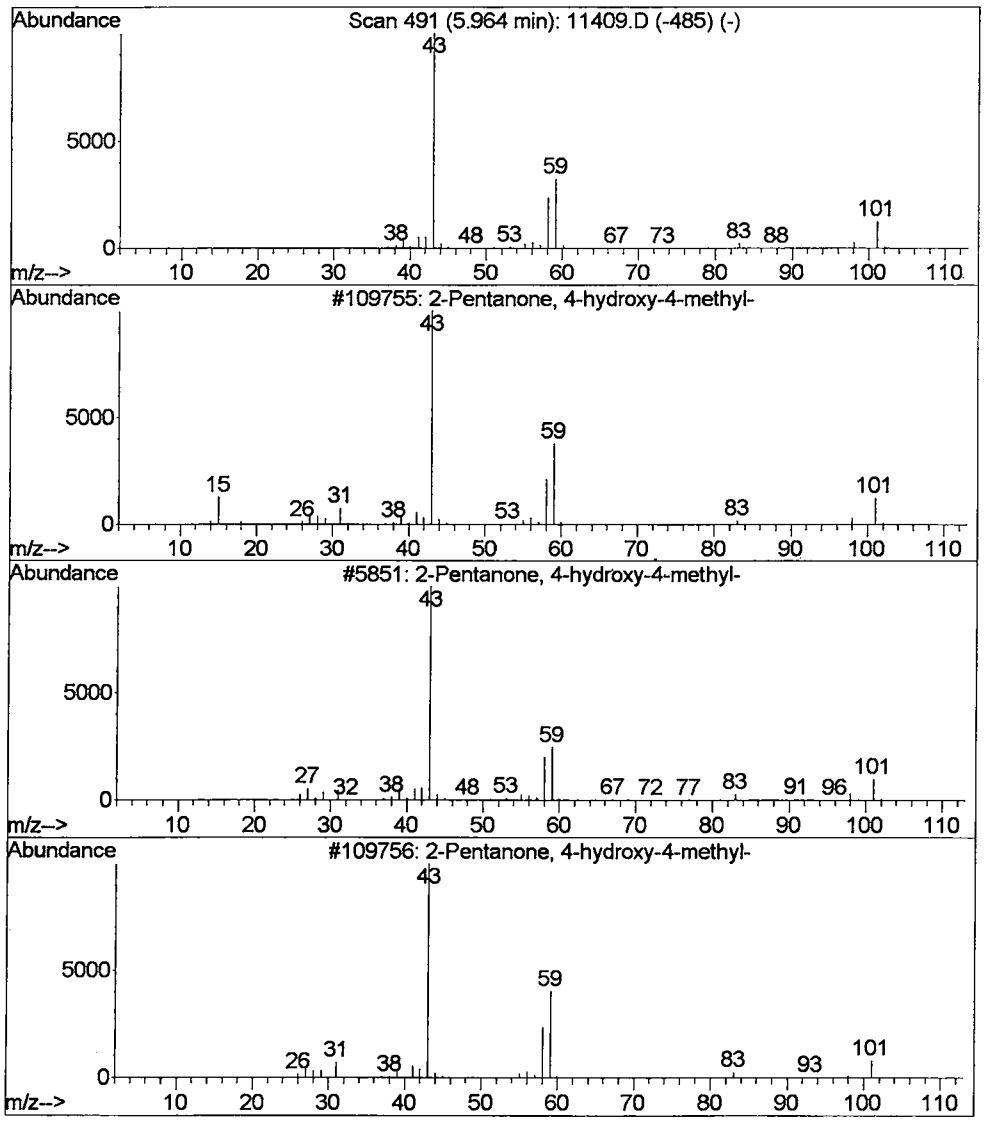
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

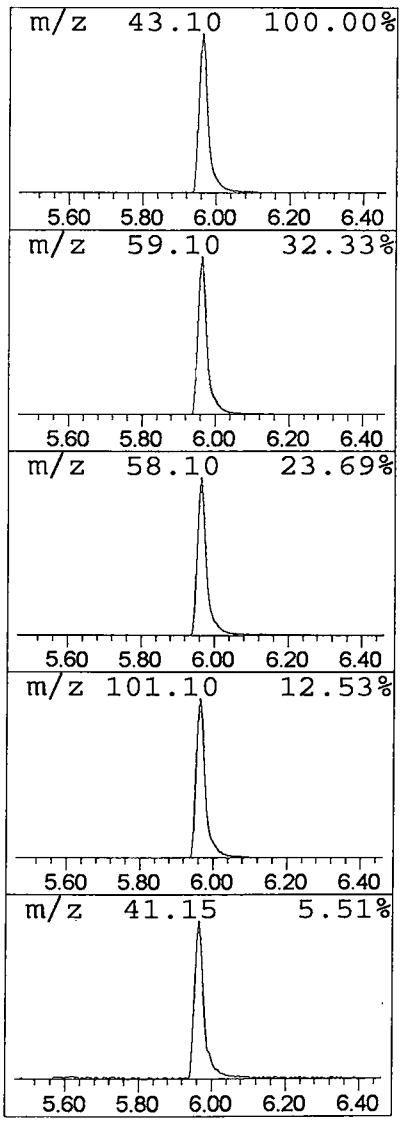
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	15.32 ug/L	11887400	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





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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)
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Library : C:\DATABASE\NIST98.L

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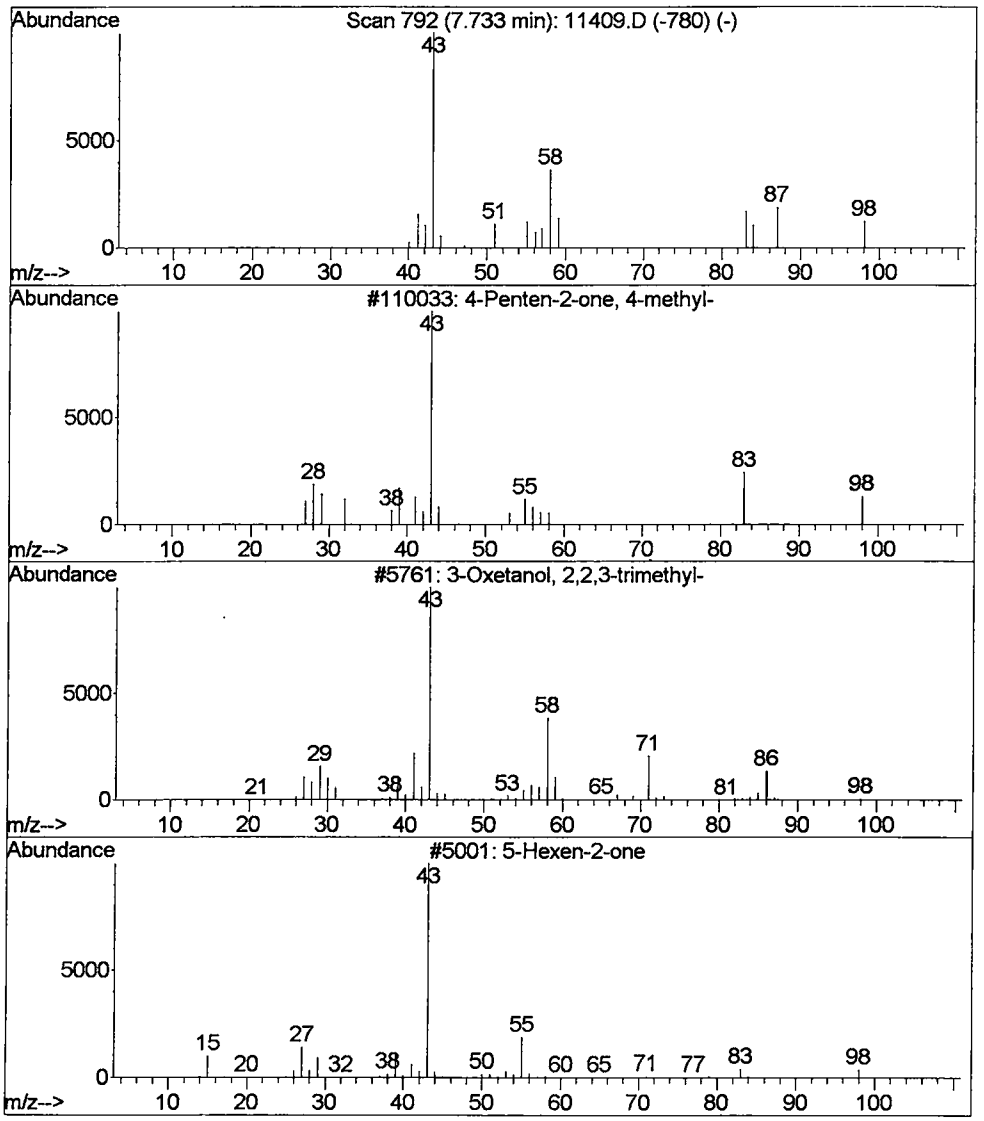
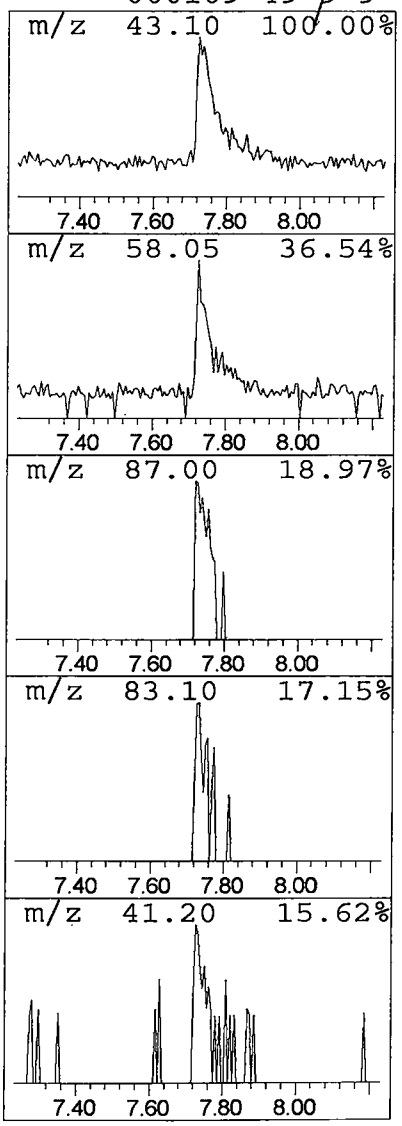
Peak Number 3 4-Penten-2-one, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	0.29 ug/L	223984	1,4-Dichlorobenzene-d4	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	35
2	3-Oxetanol, 2,2,3-trimethyl-	116	C6H12O2	025910-96-7	28
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Data File : C:\MSDCHEM\1\DATA\051702\11409.D Vial: 12
Acq On : 17 May 2002 9:45 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)
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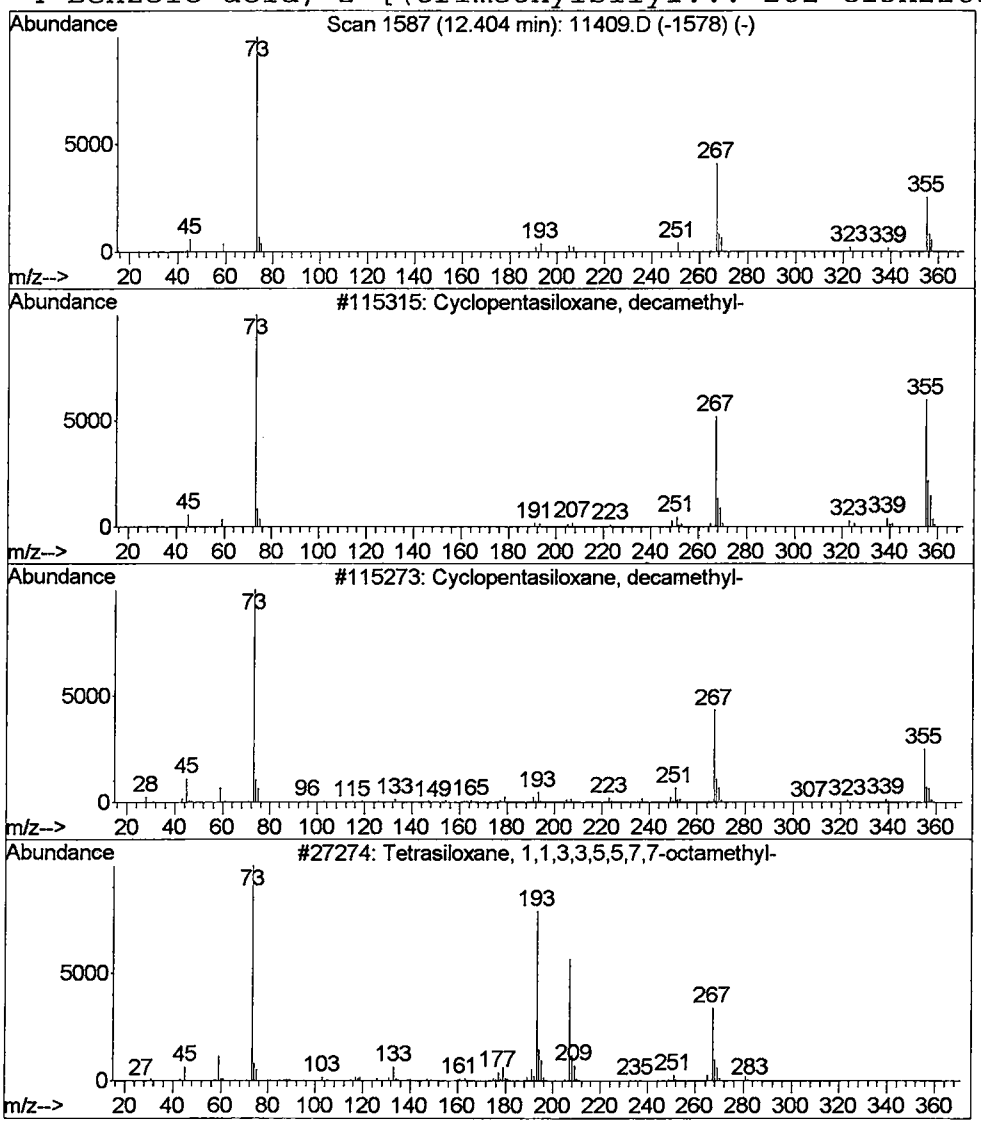
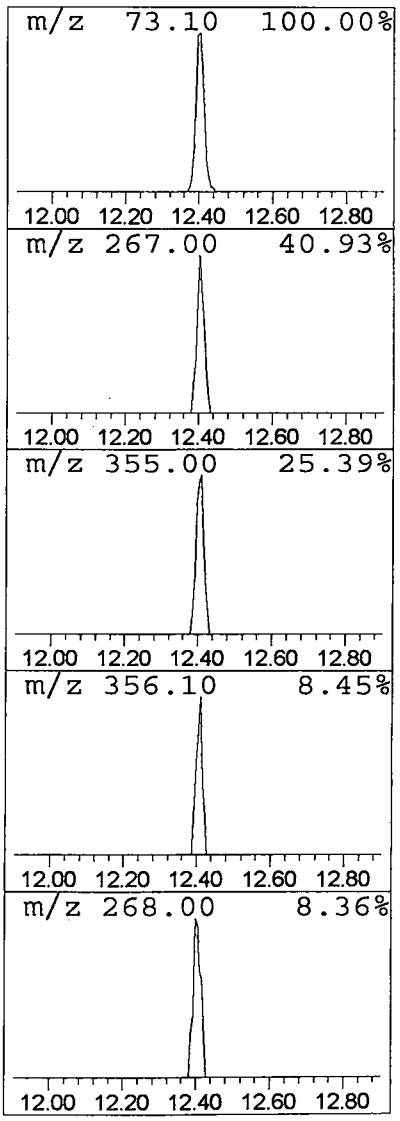
Peak Number 4 Cyclopentasiloxane, decamet... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	0.29 ug/L	295816	Napthalene-d8	13.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	83
2	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	38
3	Tetrasiloxane, 1,1,3,3,5,5,7,7-o...	282	C8H26O3Si4	001000-05-1	33
4	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	28





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Library : C:\DATABASE\NIST98.L

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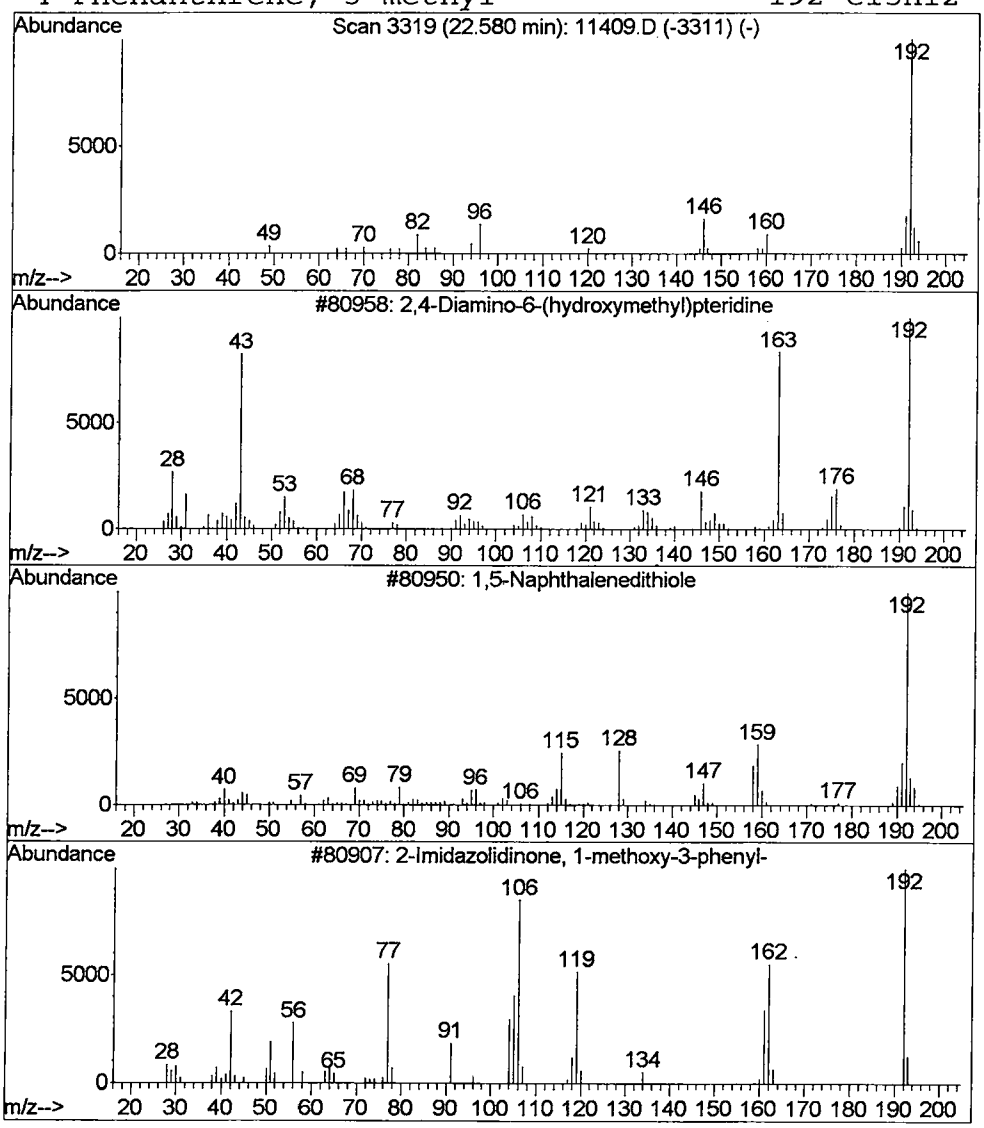
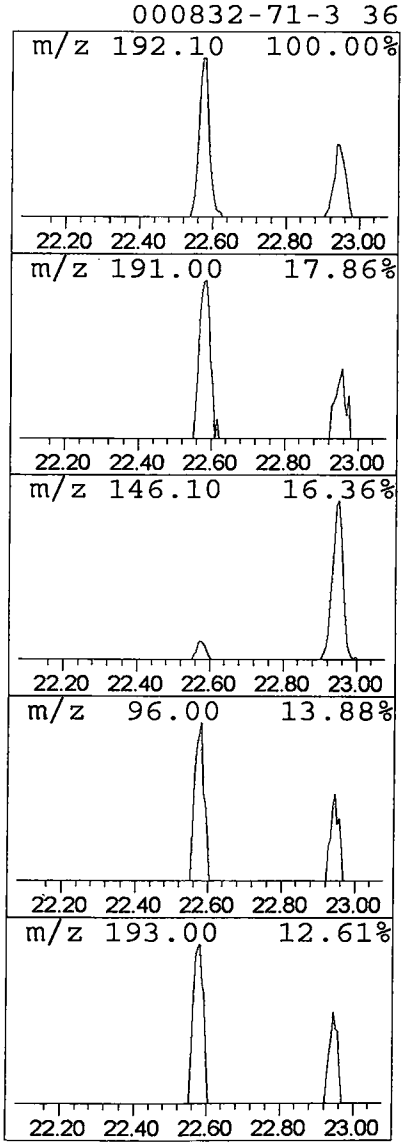
Peak Number 5 2,4-Diamino-6-(hydroxymethy... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.27 ug/L	295328	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Diamino-6-(hydroxymethyl)pte...	192	C7H8N6O	000945-24-4	59
2	1,5-Naphthalenedithiole	192	C10H8S2	1000223-69-5	38
3	2-Imidazolidinone, 1-methoxy-3-p...	192	C10H12N2O2	052420-43-6	38
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	36





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Library : C:\DATABASE\NIST98.L

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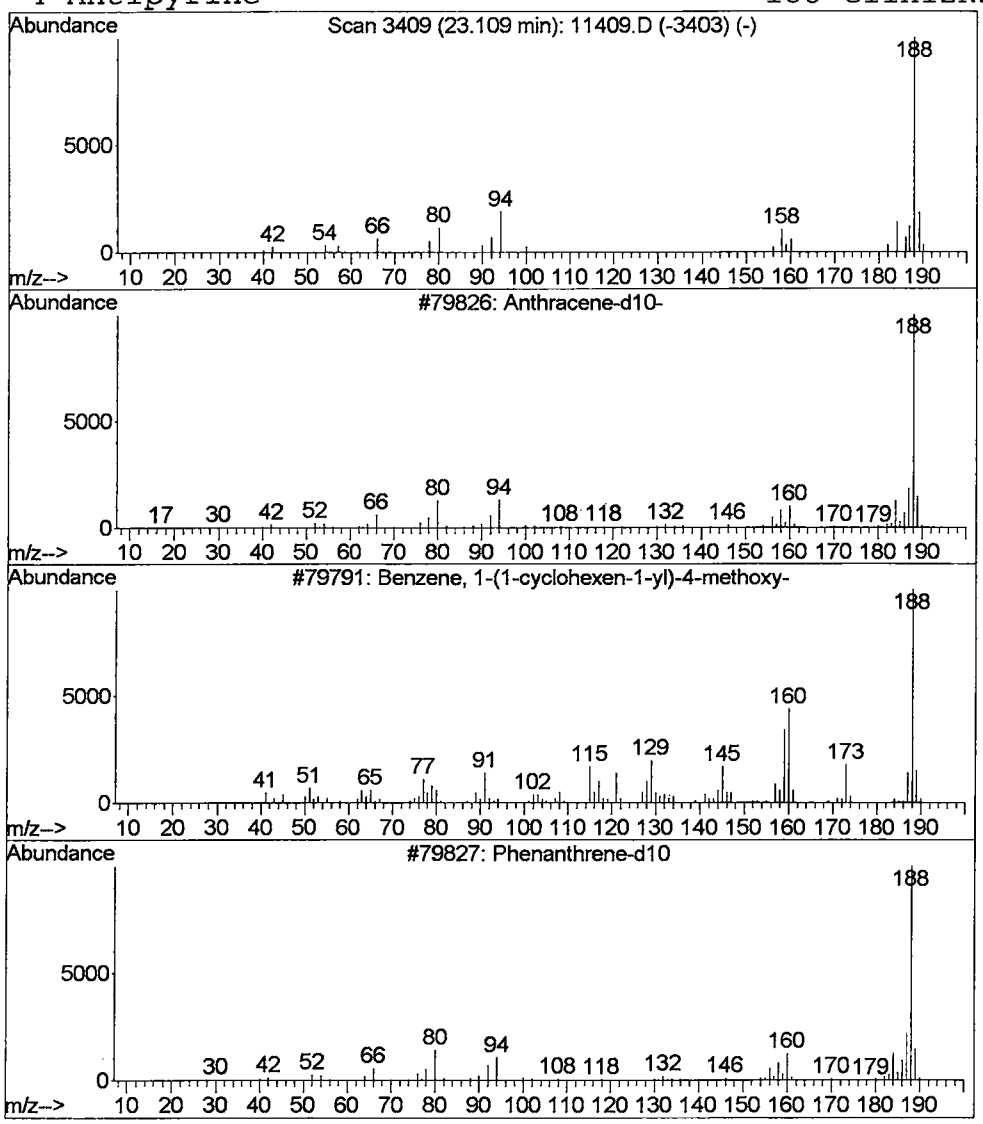
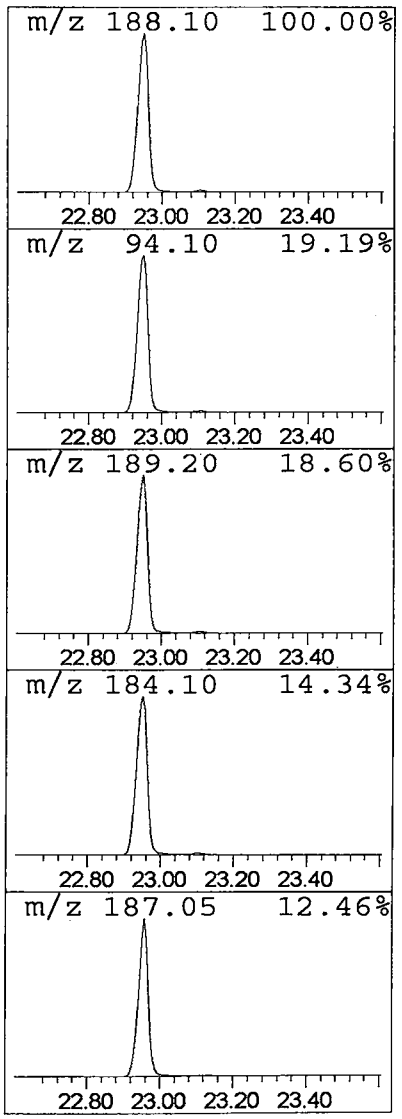
Peak Number 6 Anthracene-d10- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.42 ug/L	456300	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	72
2	Benzene, 1-(1-cyclohexen-1-yl)-4...	188	C13H16O	020758-60-5	49
3	Phenanthrene-d10	188	C14D10	001517-22-2	45
4	Antipyrine	188	C11H12N2O	000060-80-0	38





Data File : C:\MSDCHEM\1\DATA\051702\11409.D Vial: 12
Acq On : 17 May 2002 9:45 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

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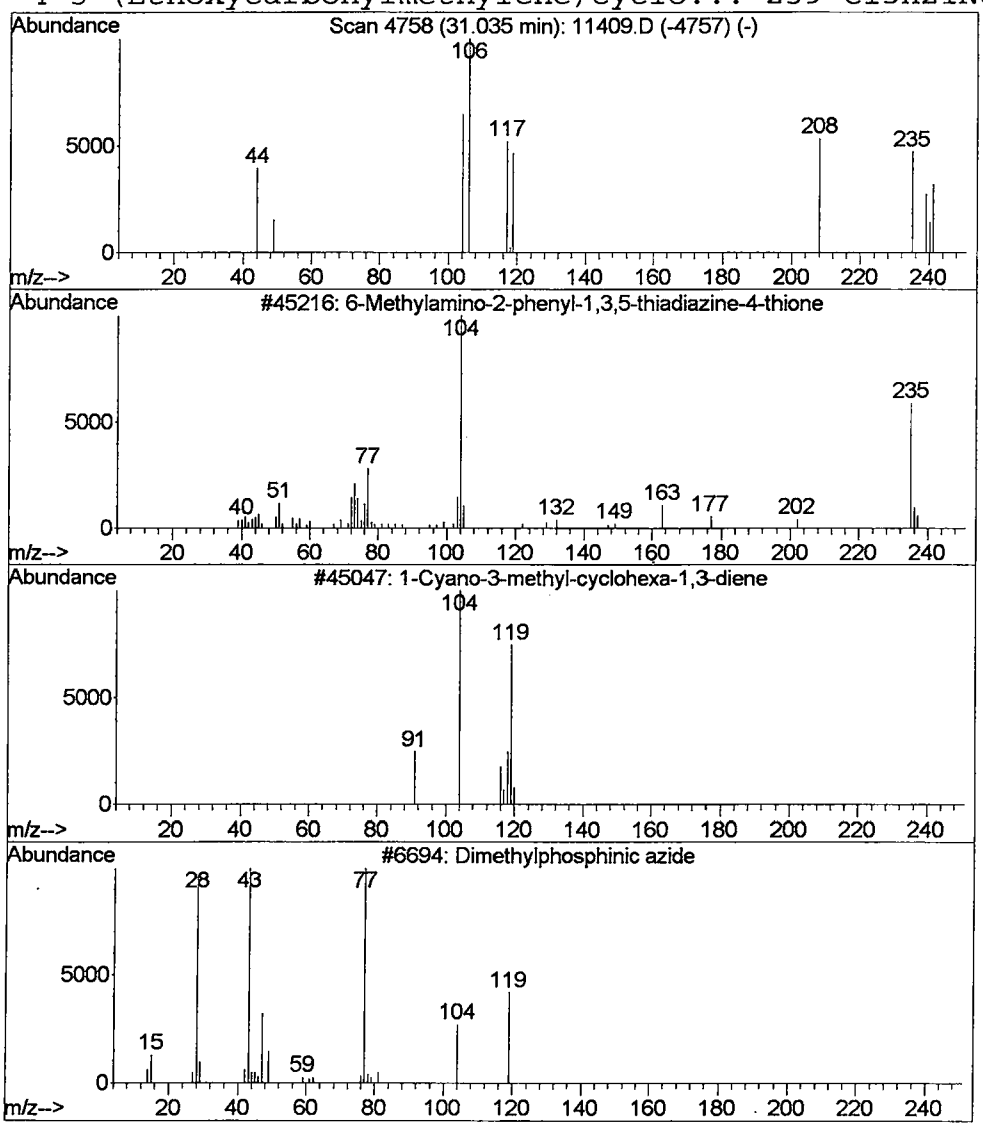
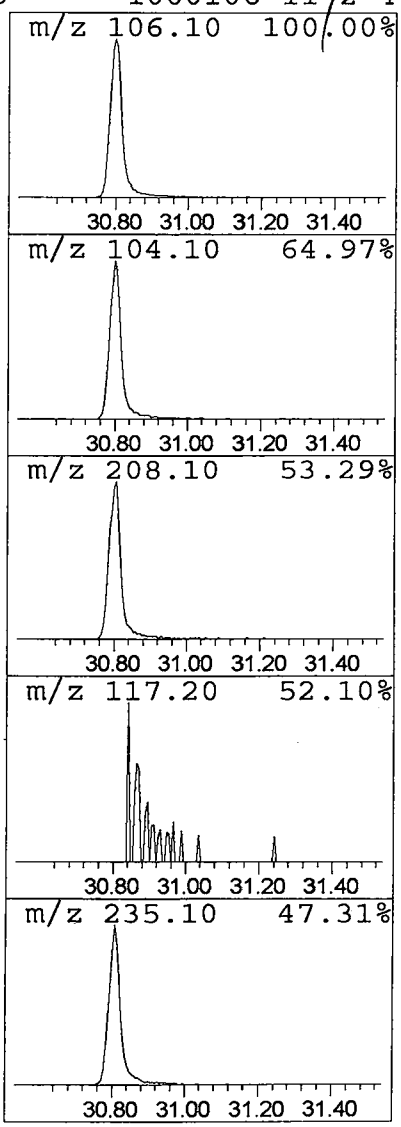
Peak Number 7 6-Methylamino-2-phenyl-1,3,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.04	0.20 ug/L	176152	Chrysene-d12	30.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Methylamino-2-phenyl-1,3,5-thi...	235	C10H9N3S2	094014-49-0	5
2	1-Cyano-3-methyl-cyclohexa-1,3-d...	119	C8H9N	1000145-23-0	5
3	Dimethylphosphinic azide	119	C2H6N3OP	058347-13-0	4
4	5-(Ethoxycarbonylmethylene)cyclo...	239	C13H21NO3	1000106-11-2	4





Data File : C:\MSDCHEM\1\DATA\051702\11409.D
Acq On : 17 May 2002 9:45 pm
Sample : 5/15 ad
Misc :
MS Integration Params: LSCINT.e

Vial: 12
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

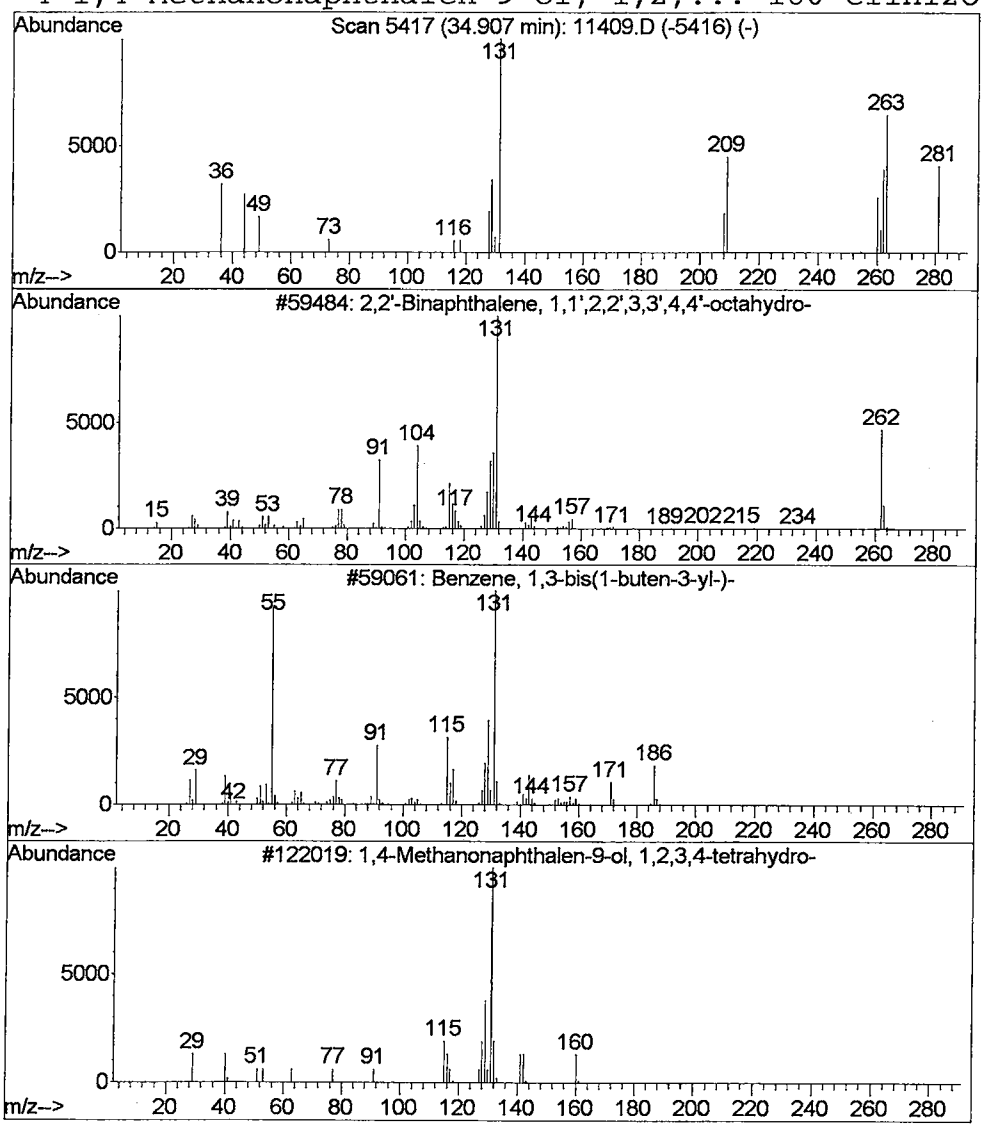
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

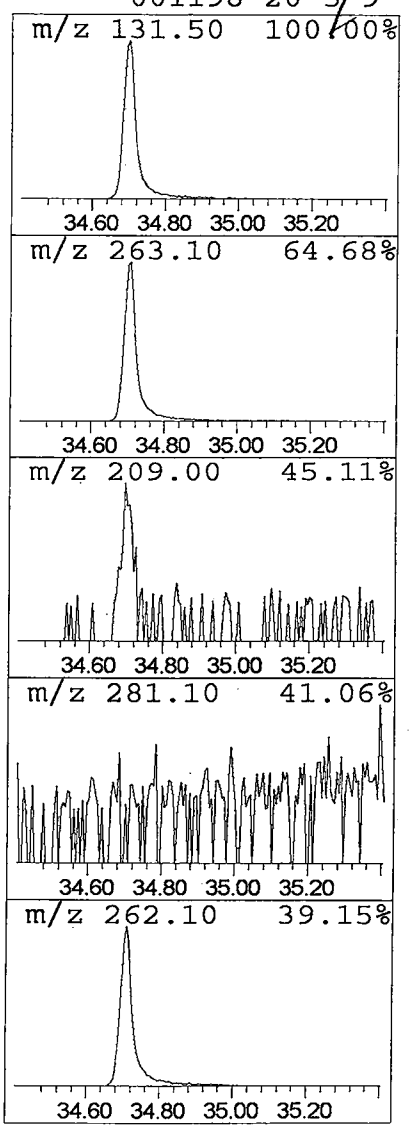
****

Peak Number 8 2,2'-Binaphthalene, 1,1',2,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
34.91	0.25 ug/L	161350	Perylene-d12	34.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2'-Binaphthalene, 1,1',2,2',3,...	262	C20H22	027426-98-8	32
2	Benzene, 1,3-bis(1-buten-3-yl-)-	186	C14H18	1000159-90-9	10
3	1,4-Methanonaphthalen-9-ol, 1,2,...	160	C11H12O	055255-94-2	10
4	1,4-Methanonaphthalen-9-ol, 1,2,...	160	C11H12O	001198-20-5	9





Tentatively Identified Compound (LSC) summary

Operator ID: Mclean Date Acquired: 17 May 2002 9:45 pm
Data File: C:\MSDCHEM\1\DATA\051702\11409.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--- #	RT	Resp	Conc
2-Butenal, 3-methyl-	3.75	0.2	ug/L	179411	1	9.93	31029200	40.0
2-Pentanone, 4-hy...	5.97	15.3	ug/L	11887400	1	9.93	31029200	40.0
4-Penten-2-one, 4...	7.73	0.3	ug/L	223984	1	9.93	31029200	40.0
Cyclopentasiloxan...	12.41	0.3	ug/L	295816	2	13.43	41515000	40.0
2,4-Diamino-6-(hy...	22.58	0.3	ug/L	295328	4	22.95	43081900	40.0
Anthracene-d10-	23.11	0.4	ug/L	456300	4	22.95	43081900	40.0
6-Methylamino-2-p...	31.04	0.2	ug/L	176152	5	30.81	34945900	40.0
2,2'-Binaphthalen...	34.91	0.2	ug/L	161350	6	34.70	25953700	40.0