User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/22/2002 Time: 12:40:31

Sample: AE11382
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/22/02 12:40 Ended: 5/22/02 12:40 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 AE11382 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-22-2002 Time: 12:40:55

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\11382.D Vial: 9
Acq On : 17 May 2002 7:18 pm Operator: Mclean
Sample : 5/15 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 21 11:53:27 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	9.94	152	6100618	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	24124163	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	13200159	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	19184845	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	13876509	40.00	ug/L	0.00
43) Perylene-d12	34.71	264	8715077	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.55	209	2774852	34.62	ug/L	0.00
Spiked Amount 40.000			Recovery = 86.55%			
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	20.15	149	20520	N.D.		
25) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
26) Fluorene	0.00	166	0	N.D.		
28) Azobenzene	20.55	77	48076	N.D.		
30) Nnitrosodiphenylamine	20.55	169	52078	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	25.08	149	52559	N.D.		

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

Quantitation Report (QT Reviewed)

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Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
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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	35099	N.D.	
41)	Bis(2-ethylhexyl)phthalate	31.38	149	16188	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\11382.D Vial: 9
Acq On : 17 May 2002 7:18 pm Operator: Mclean
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MS Integration Params: EVENTS.E
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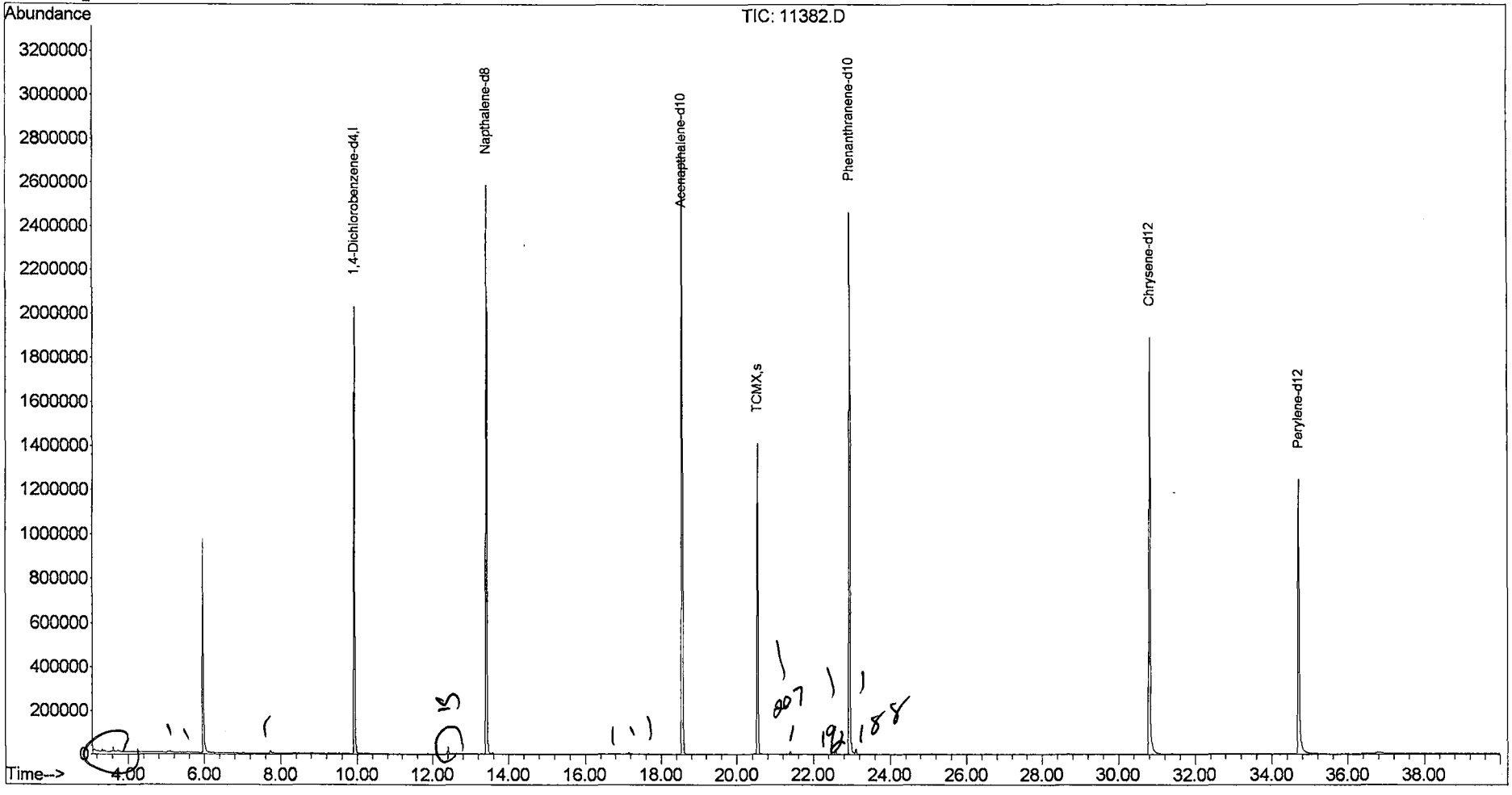
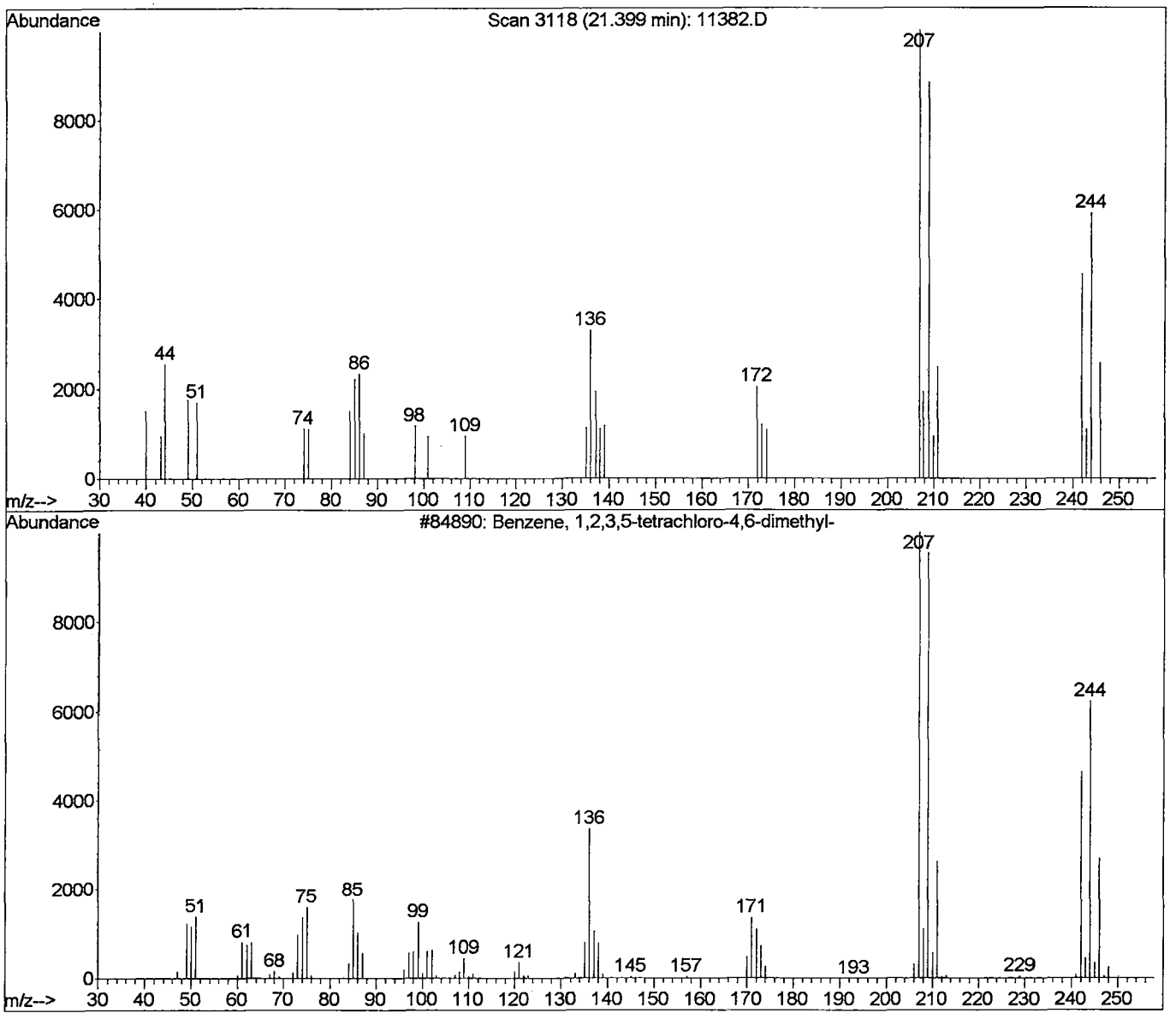
Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration



Library Searched : C:\Database\NIST98.L
Quality : 94
ID : Benzene, 1,2,3,5-tetrachloro-4,6-dimethyl-



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\051702\11382.D
Acq On : 17 May 2002 7:18 pm
Sample : 5/15 ad
Misc :
MS Integration Params: LSCINT.e

Vial: 9
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

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

Signal : TIC

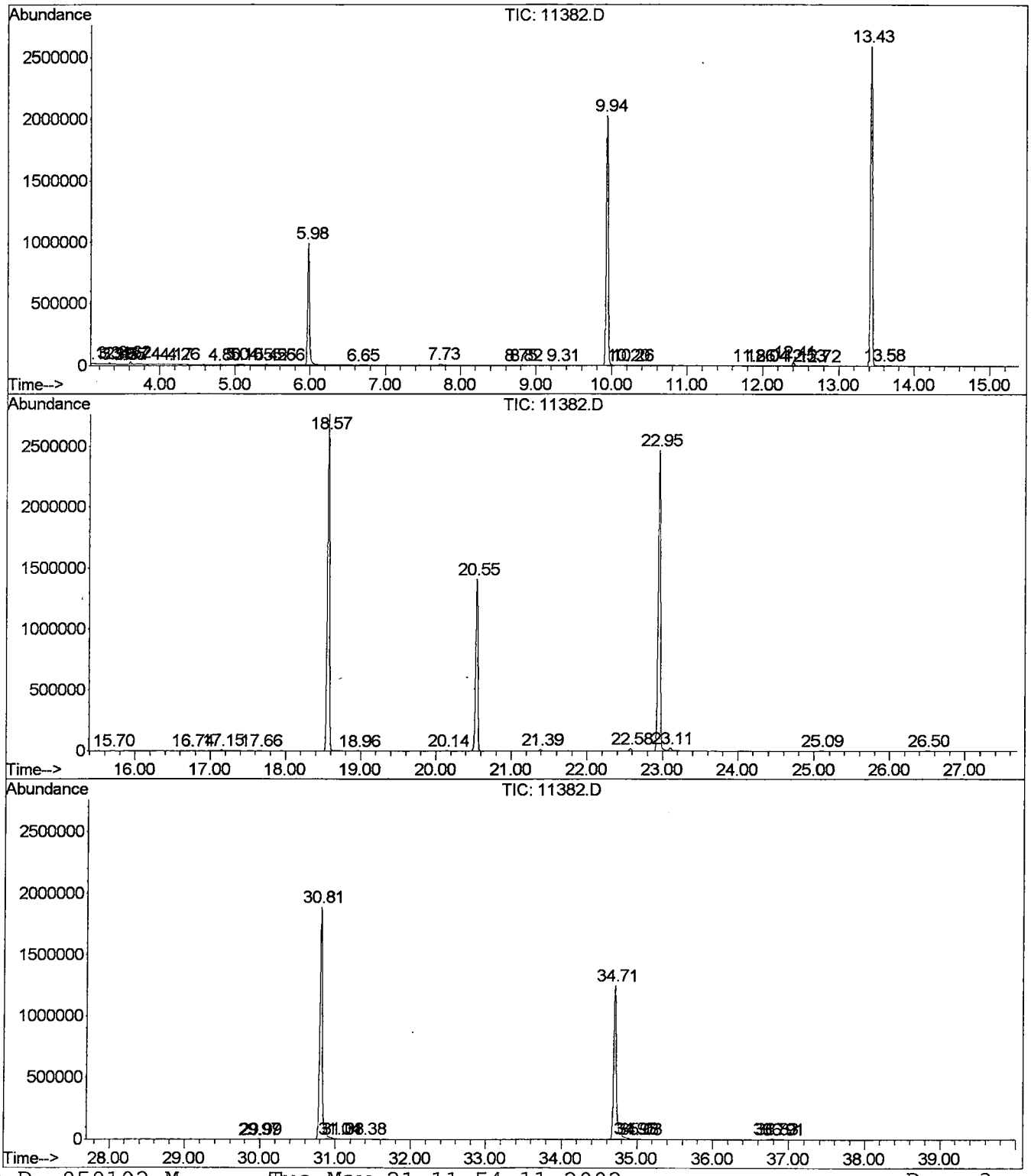
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.126	3	8	16	BV 6	4701	83625	0.16%	0.026%
2	3.338	37	44	49	PV 2	10211	146835	0.27%	0.046%
3	3.391	49	53	56	VV 3	4566	64259	0.12%	0.020%
4	3.543	76	79	81	PV 3	1947	14285	0.03%	0.005%
5	3.573	81	84	87	VV 4	1864	23217	0.04%	0.007%
6	3.620	87	92	97	VV	18604	283023	0.52%	0.089%
7	3.743	97	113	123	VV 6	4102	176161	0.33%	0.056%
8	4.166	179	185	192	PV 7	2650	54554	0.10%	0.017%
9	4.260	196	201	207	PV 4	3279	51701	0.10%	0.016%
10	4.807	286	294	297	PV 7	2192	38662	0.07%	0.012%
11	5.036	327	333	339	PV 8	4640	110481	0.20%	0.035%
12	5.100	339	344	354	VV 8	6204	158064	0.29%	0.050%
13	5.424	391	399	402	VV 3	3050	55993	0.10%	0.018%
14	5.547	413	420	426	PV 5	2393	59903	0.11%	0.019%
15	5.664	433	440	449	VV 6	2270	59222	0.11%	0.019%
16	5.976	481	493	528	BV	954186	16818540	31.19%	5.302%
17	6.657	604	609	612	PV 5	1837	29232	0.05%	0.009%
18	7.727	782	791	803	PV	12412	320150	0.59%	0.101%
19	8.749	963	965	971	VV 3	1948	28844	0.05%	0.009%
20	8.820	971	977	986	VV 5	3453	80815	0.15%	0.025%
21	9.307	1043	1060	1069	PV 8	2592	91900	0.17%	0.029%
22	9.936	1157	1167	1189	VV	1984713	36875229	68.38%	11.625%
23	10.200	1208	1212	1217	VV 2	3770	70142	0.13%	0.022%
24	10.259	1217	1222	1231	VV 6	3217	69598	0.13%	0.022%
25	11.863	1486	1495	1502	PV 4	4154	75551	0.14%	0.024%
26	12.039	1515	1525	1534	VV 4	2957	64347	0.12%	0.020%
27	12.404	1581	1587	1594	VV	30568	473615	0.88%	0.149%
28	12.527	1604	1608	1615	VV 5	2128	43850	0.08%	0.014%
29	12.721	1637	1641	1648	VV 2	1807	40424	0.07%	0.013%
30	13.432	1752	1762	1782	PV	2600249	49322977	91.46%	15.549%
31	13.585	1782	1788	1793	VV	7766	134919	0.25%	0.043%
32	15.700	2142	2148	2155	VV 3	2601	43872	0.08%	0.014%
33	16.746	2321	2326	2337	VV 6	4301	100812	0.19%	0.032%
34	17.145	2390	2394	2403	VV 3	9225	147090	0.27%	0.046%
35	17.662	2477	2482	2489	VV 4	4100	73670	0.14%	0.023%
36	18.573	2625	2637	2652	PV	2721845	53929295	100.00%	17.001%
37	18.967	2697	2704	2708	VV 4	2268	38748	0.07%	0.012%

38	20.142	2899	2904	2912	VV	2	3903	80145	0.15%	0.025%
39	20.547	2953	2973	2992	PV		1410021	27543158	51.07%	8.683%
40	21.393	3112	3117	3132	VV	5	12937	222675	0.41%	0.070%
41	22.580	3312	3319	3328	VV	3	21523	392022	0.73%	0.124%
42	22.956	3369	3383	3401	PV	2	2463268	52259778	96.90%	16.475%
43	23.109	3401	3409	3430	VV		25149	612857	1.14%	0.193%
44	25.089	3739	3746	3757	VV		3309	75076	0.14%	0.024%
45	26.499	3978	3986	3994	PV	3	5269	105706	0.20%	0.033%
46	29.972	4572	4577	4579	VV	4	1843	20206	0.04%	0.006%
47	29.989	4579	4580	4586	VV	3	2008	29317	0.05%	0.009%
48	30.806	4707	4719	4757	PV	2	1867480	43026600	79.78%	13.564%
49	31.035	4757	4758	4762	VV	3	2668	41718	0.08%	0.013%
50	31.076	4762	4765	4772	VB	4	1507	24327	0.05%	0.008%
51	31.376	4812	4816	4825	PV	9	3520	68394	0.13%	0.022%
52	34.707	5371	5383	5423	PV	2	1250880	31788236	58.94%	10.021%
53	34.954	5423	5425	5428	VV	4	4230	63208	0.12%	0.020%
54	34.984	5428	5430	5436	VV	5	2960	60381	0.11%	0.019%
55	35.031	5436	5438	5443	VV	3	2315	33249	0.06%	0.010%
56	36.793	5710	5738	5742	PV	3	5628	286442	0.53%	0.090%
57	36.829	5742	5744	5756	VV	10	5161	176595	0.33%	0.056%
58	36.911	5756	5758	5768	VV	3	2307	45794	0.08%	0.014%

Sum of corrected areas: 317209487

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\051702\11382.D
Operator : Mclean
Acquired : 17 May 2002 7:18 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/15 ad
Misc Info :
Vial Number: 9
Quant File :050102.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051702\11382.D
Acq On : 17 May 2002 7:18 pm
Sample : 5/15 ad
Misc :
MS Integration Params: LSCINT.e

Vial: 9
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

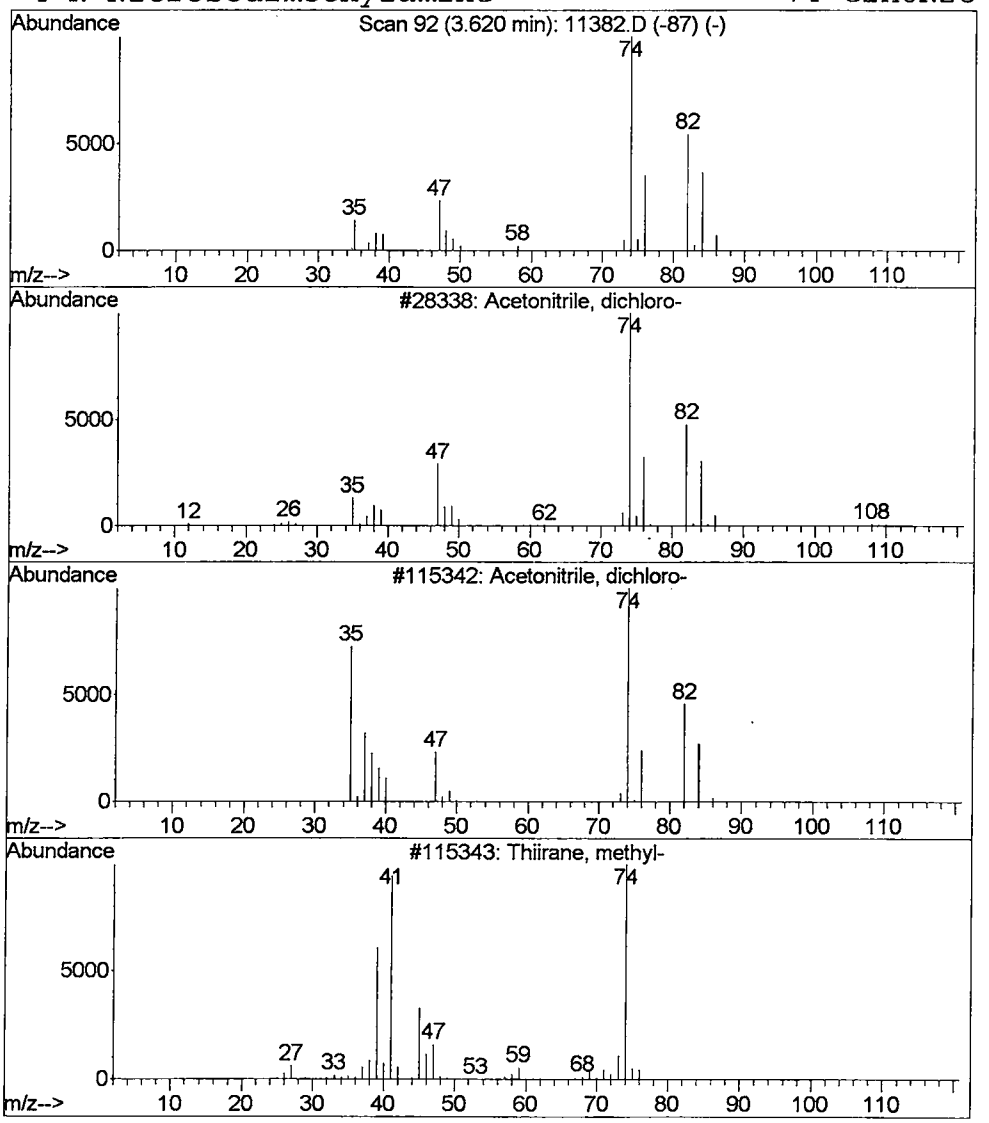
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

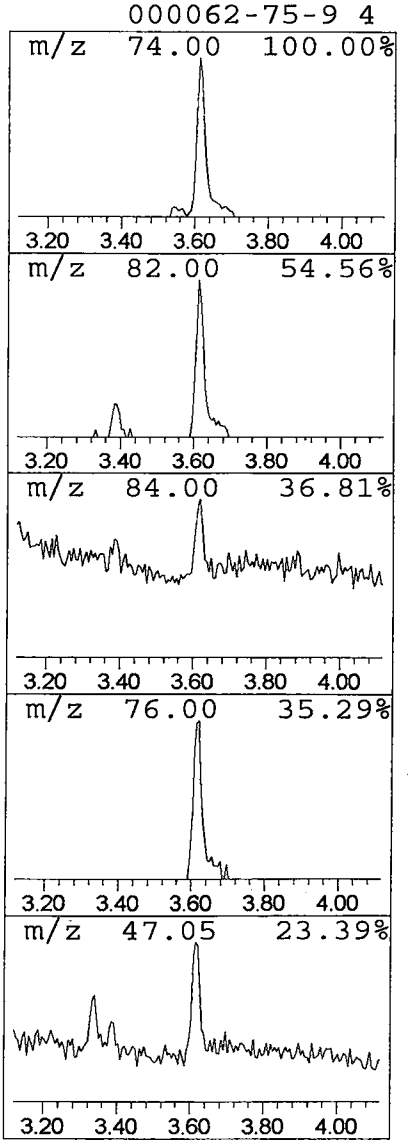
****

Peak Number 1 Acetonitrile, dichloro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.62	0.31 ug/L	283023	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	90
2	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	64
3	Thiirane, methyl-	74	C3H6S	001072-43-1	7
4	N-Nitrosodimethylamine	74	C2H6N2O	000062-75-9	4





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051702\11382.D Vial: 9
Acq On : 17 May 2002 7:18 pm Operator: Mclean
Sample : 5/15 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

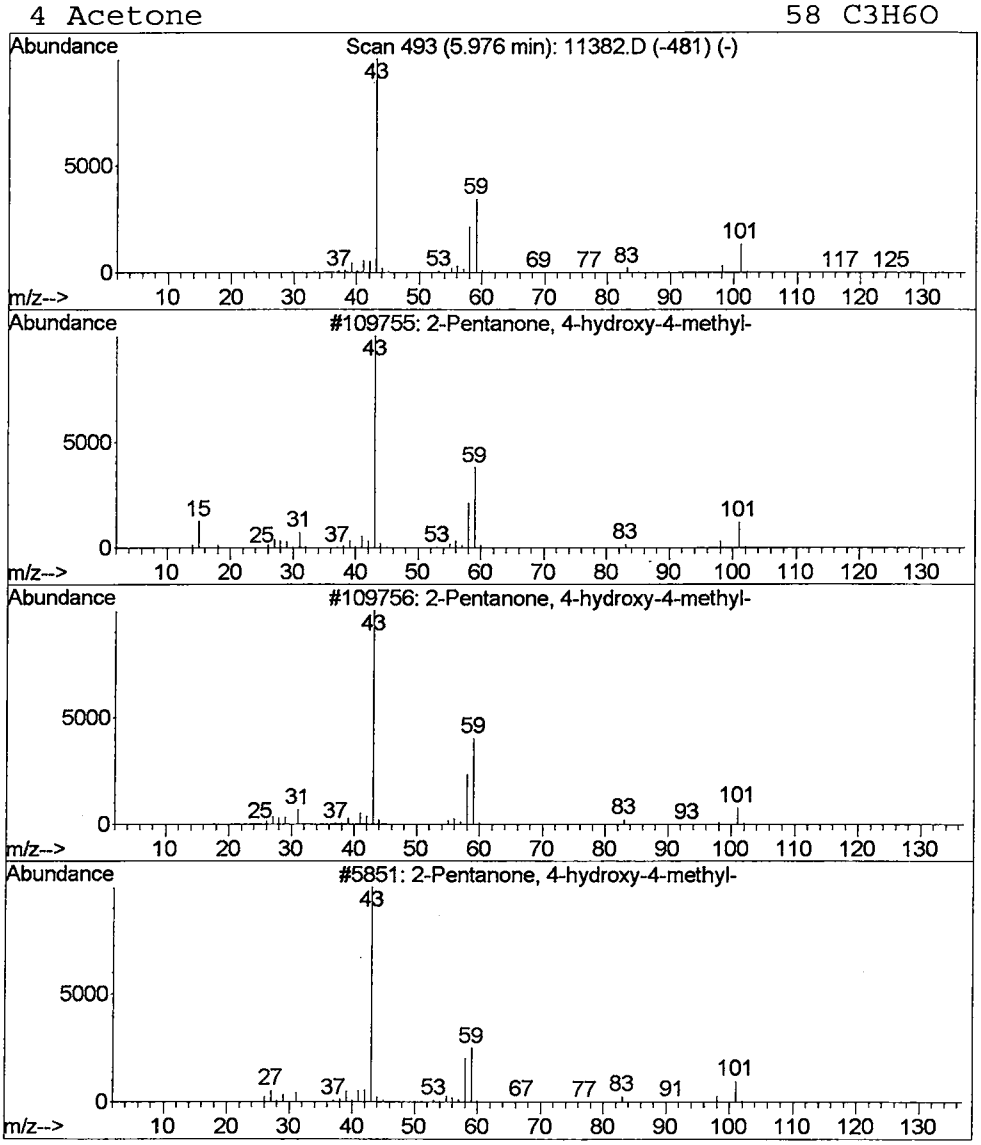
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

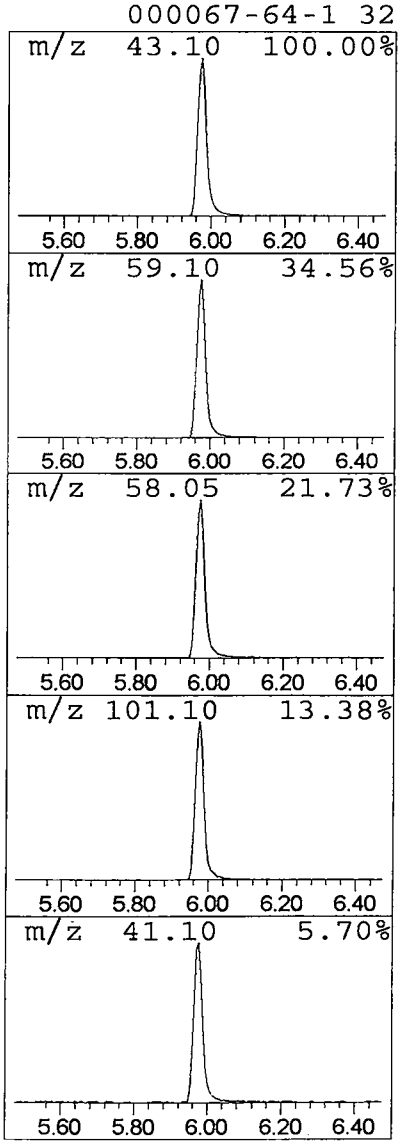
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.98	18.24 ug/L	16818500	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	86
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	50
4	Acetone	58	C3H6O	000067-64-1	32





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Acq On : 17 May 2002 7:18 pm Operator: Mclean
Sample : 5/15 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

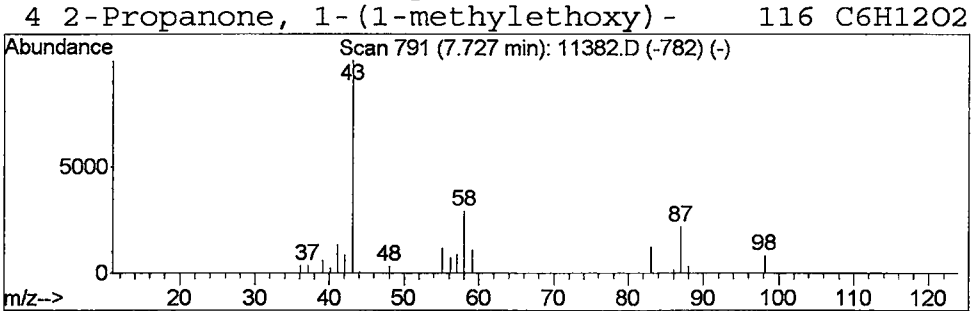
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

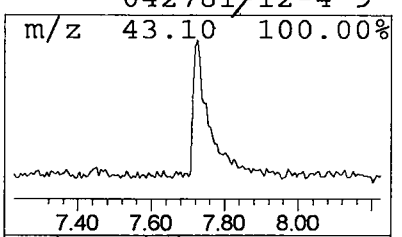
****

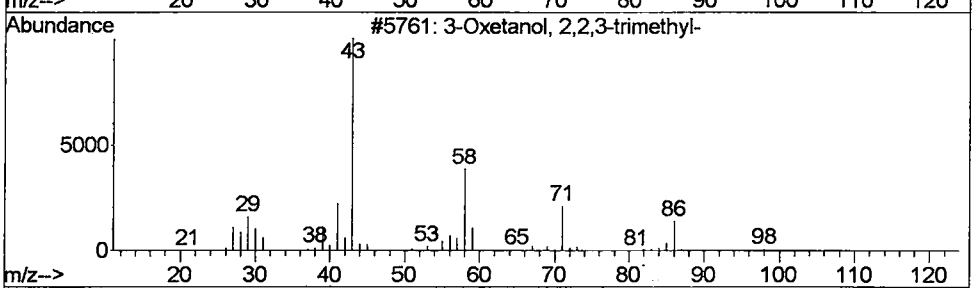
Peak Number 3 3-Oxetanol, 2,2,3-trimethyl- Concentration Rank 5

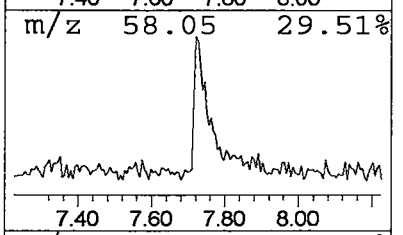
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	0.35 ug/L	320150	1,4-Dichlorobenzene-d4	9.94

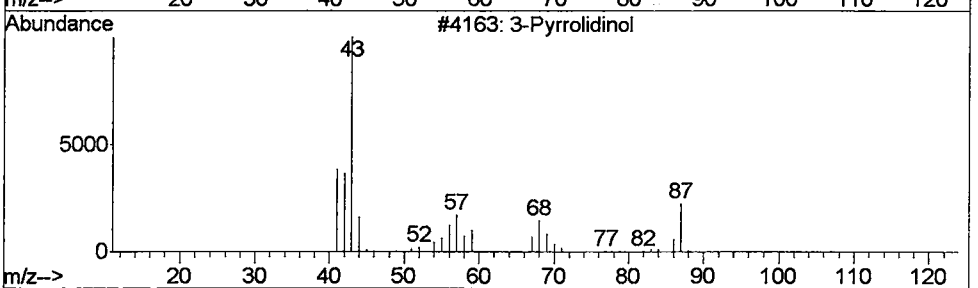
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Oxetanol, 2,2,3-trimethyl-	116	C6H12O2	025910-96-7	23
2	3-Pyrrolidinol	87	C4H9NO	040499-83-0	9
3	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	9
4	2-Propanone, 1-(1-methylethoxy)-	116	C6H12O2	042781-12-4	9

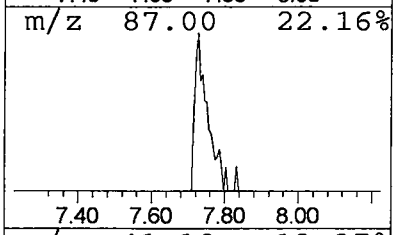


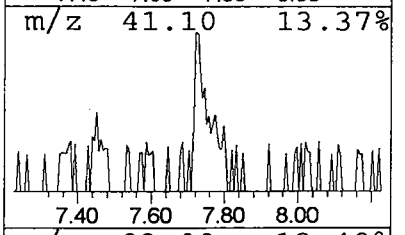


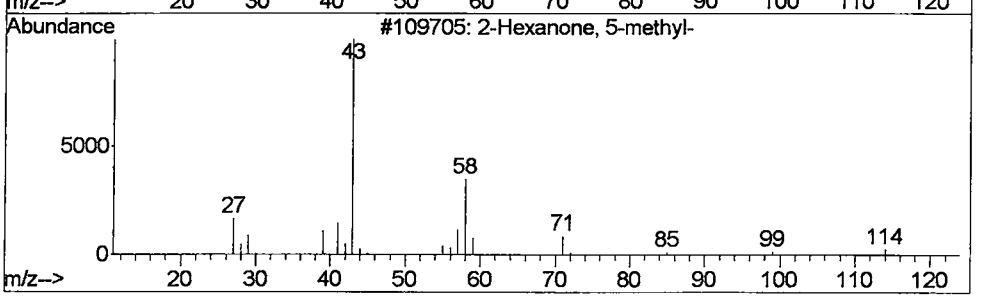


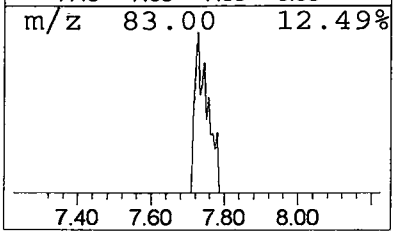












Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051702\11382.D Vial: 9
Acq On : 17 May 2002 7:18 pm Operator: Mclean
Sample : 5/15 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

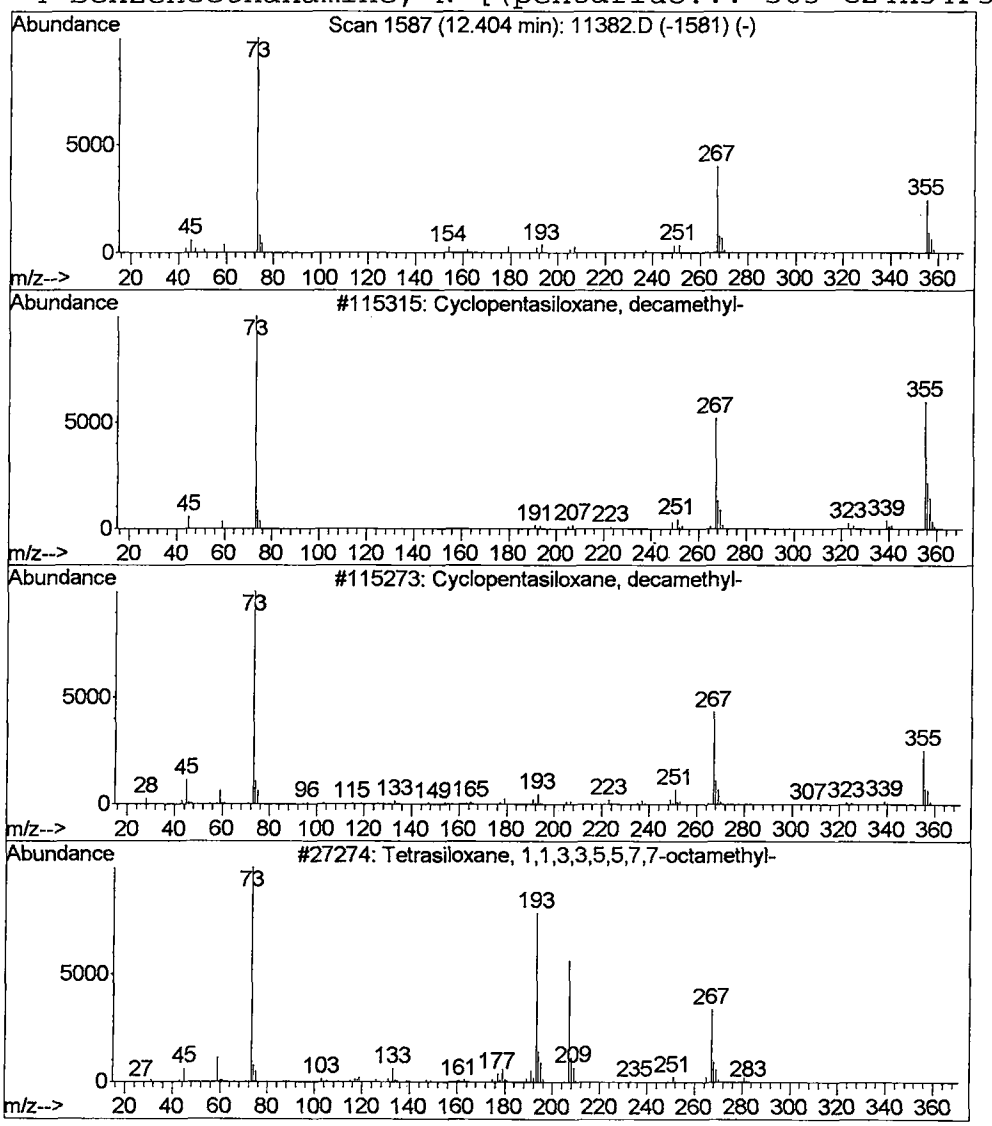
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

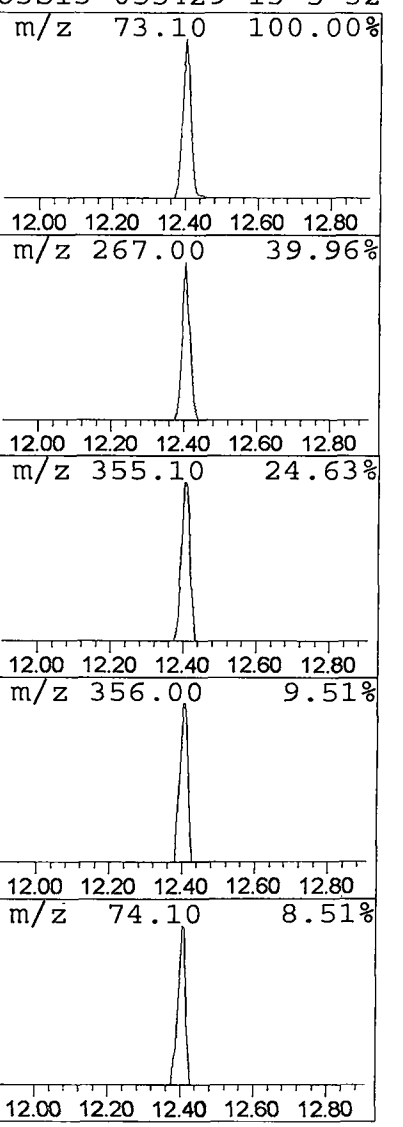
****

Peak Number 4 Cyclopentasiloxane, decamet... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	0.38 ug/L	473615	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	43
3	Tetrasiloxane, 1,1,3,3,5,5,7,7-o...	282	C8H26O3Si4	001000-05-1	33
4	Benzeneethanamine, N-[(pentafluo...	563	C24H34F5NO3Si3	055429-13-5	32





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051702\11382.D Vial: 9
Acq On : 17 May 2002 7:18 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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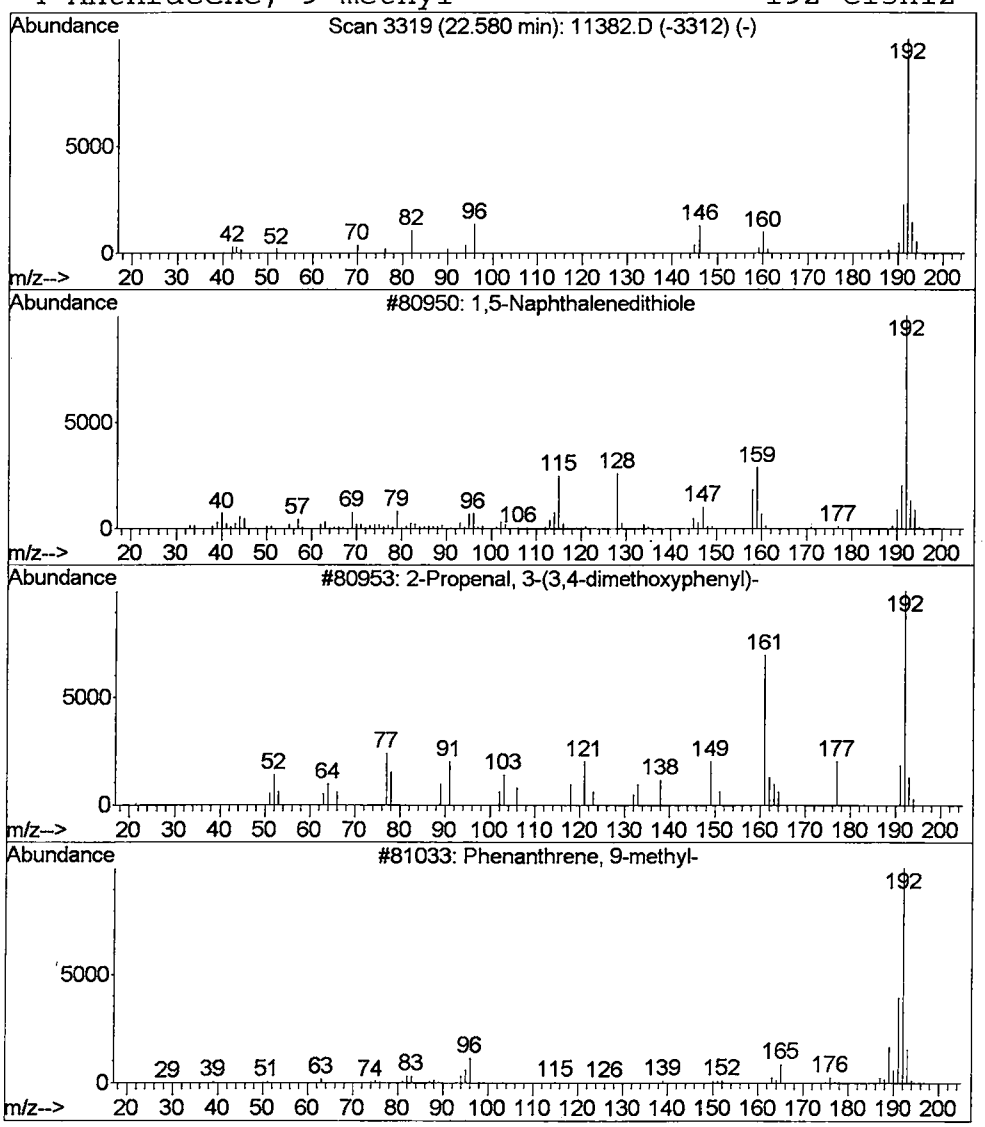
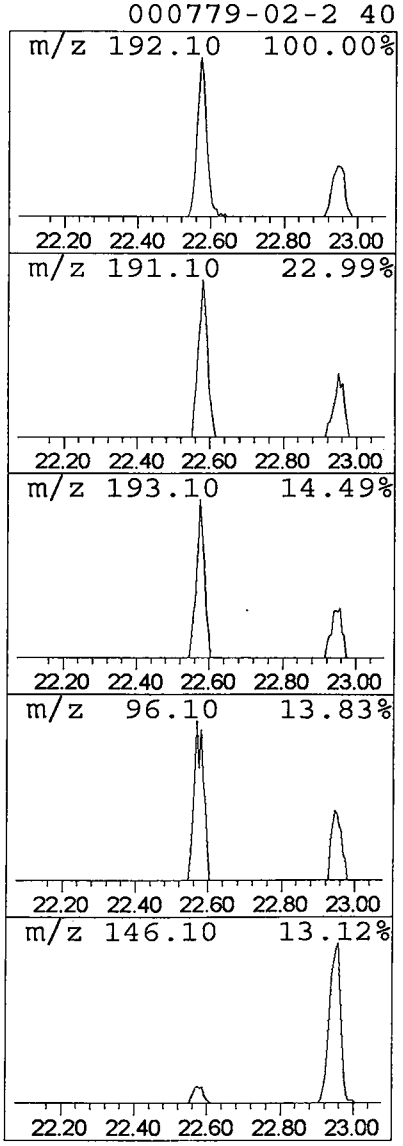
Peak Number 5 1,5-Naphthalenedithiole Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.30 ug/L	392022	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5-Naphthalenedithiole	192	C10H8S2	1000223-69-5	50
2	2-Propenal, 3-(3,4-dimethoxyphen...	192	C11H12O3	004497-40-9	42
3	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	42
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	40





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051702\11382.D Vial: 9
Acq On : 17 May 2002 7:18 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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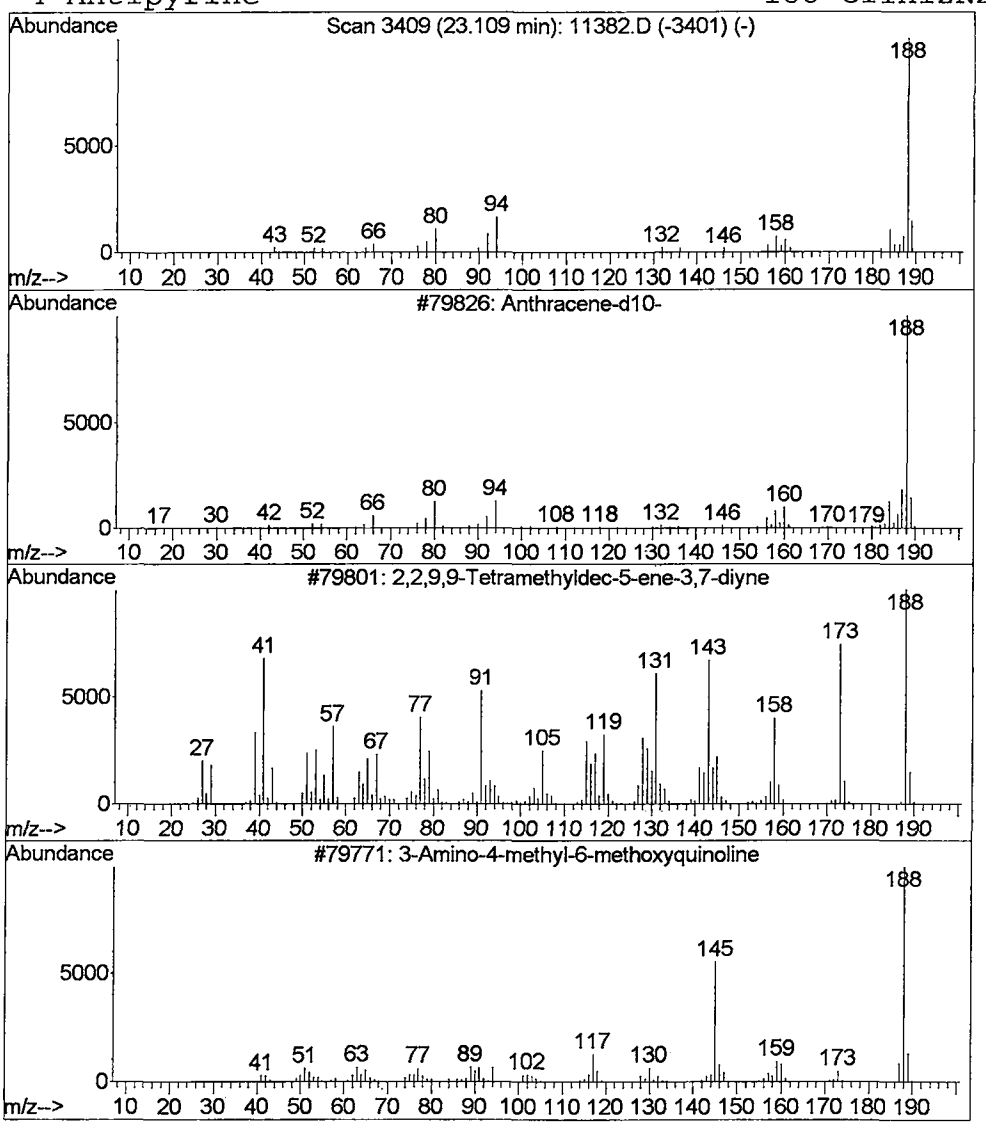
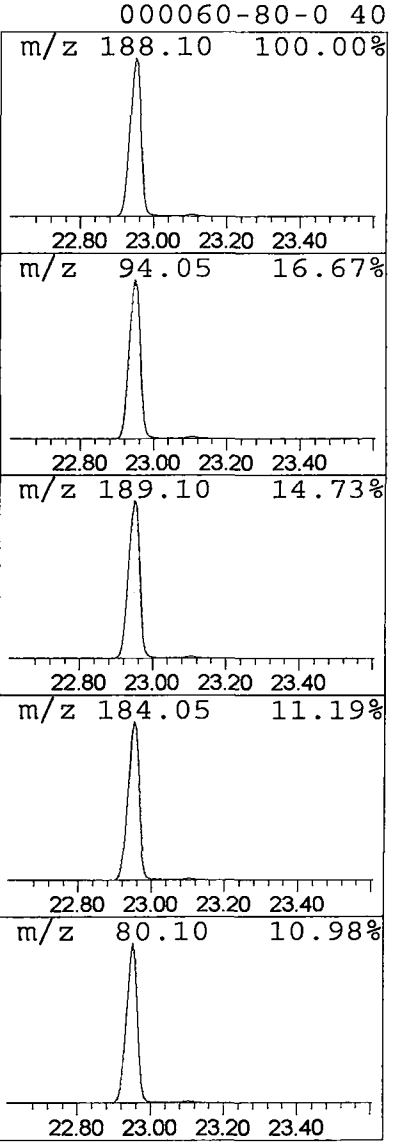
Peak Number 6 Anthracene-d10- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.47 ug/L	612857	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	87
2	2,2,9,9-Tetramethyldec-5-ene-3,7...	188	C14H20	102745-35-7	40
3	3-Amino-4-methyl-6-methoxyquinoline	188	C11H12N2O	1000213-71-3	40
4	Antipyrine	188	C11H12N2O	000060-80-0	40





Library Search Compound Report

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Acq On : 17 May 2002 7:18 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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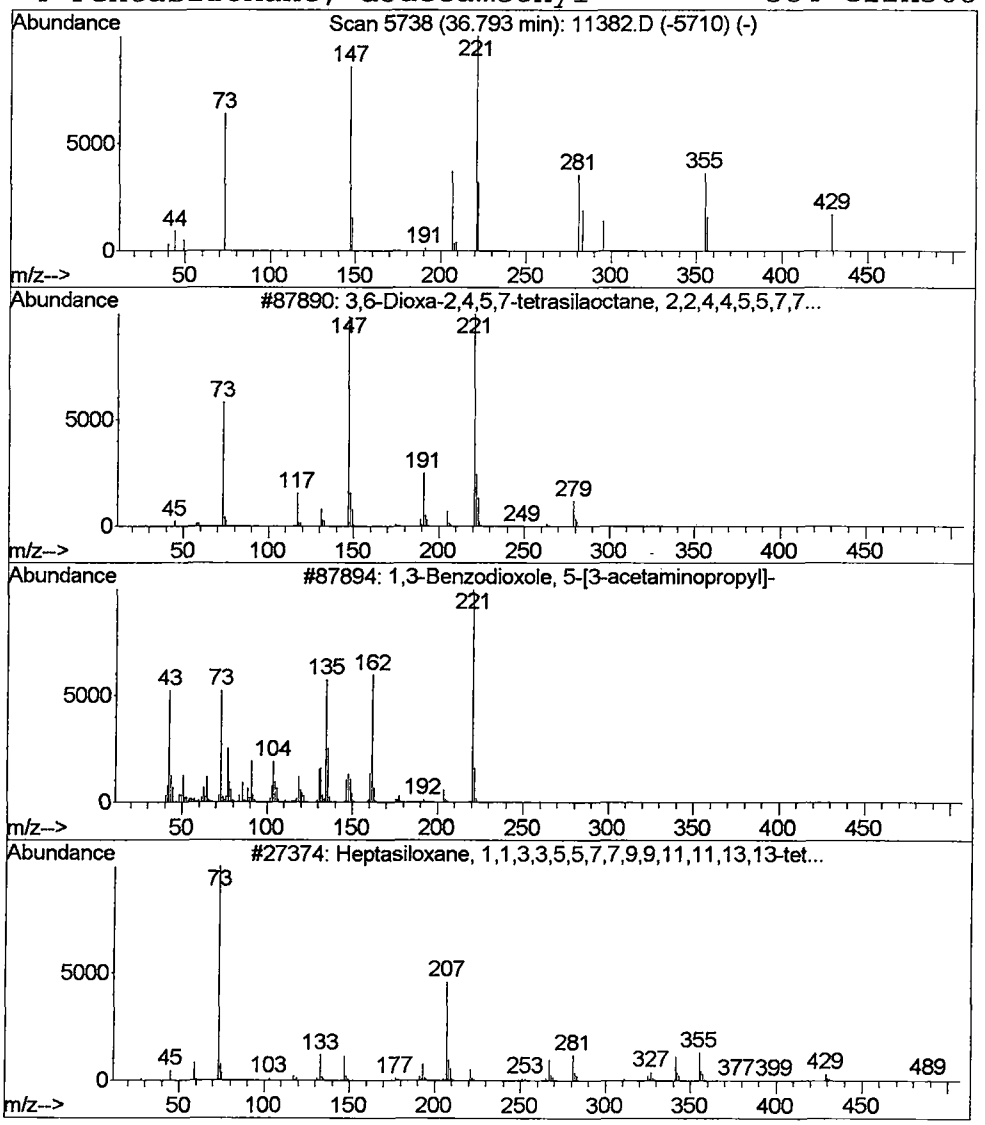
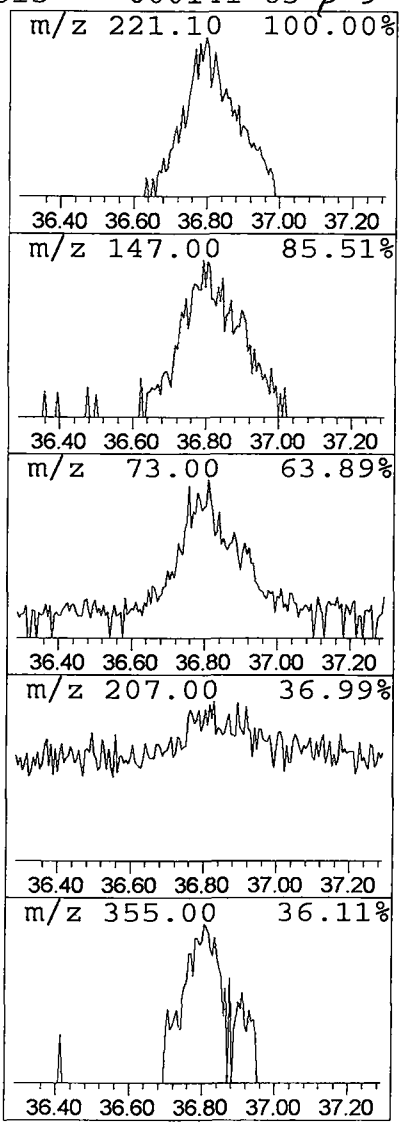
Peak Number 7 3,6-Dioxa-2,4,5,7-tetrasila... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
36.79	0.36 ug/L	286442	Perylene-d12	34.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6-Dioxa-2,4,5,7-tetrasilaoctan...	294	C10H30O2Si4	004342-25-0	47
2	1,3-Benzodioxole, 5-[3-acetamino...	221	C12H15NO3	1000124-33-0	12
3	Heptasiloxane, 1,1,3,3,5,5,7,7,9...	504	C14H44O6Si7	019095-23-9	9
4	Pentasiloxane, dodecamethyl-	384	C12H36O4Si5	000141-63-9	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051702\11382.D Vial: 9
Acq On : 17 May 2002 7:18 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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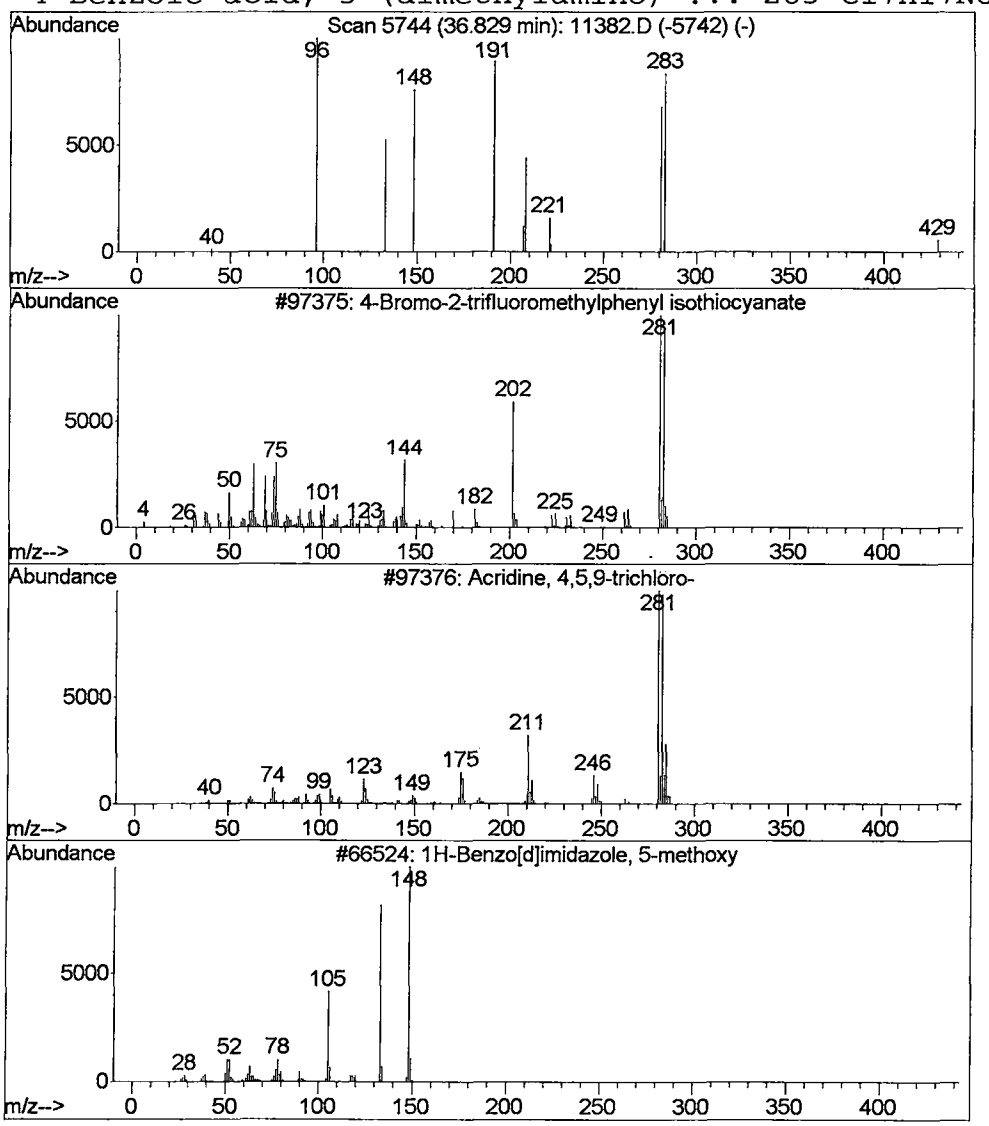
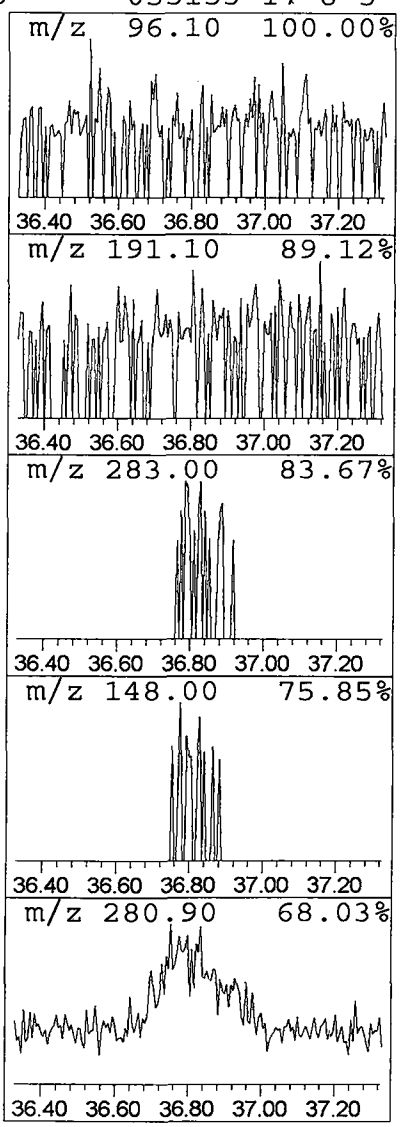
Peak Number 8 4-Bromo-2-trifluoromethylph... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
36.83	0.22 ug/L	176595	Perylene-d12	34.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Bromo-2-trifluoromethylphenyl ...	281	C8H3BrF3NS	1000134-47-9	7
2	Acridine, 4,5,9-trichloro-	281	C13H6Cl3N	1000162-77-7	7
3	1H-Benzo[d]imidazole, 5-methoxy	148	C8H8N2O	1000197-63-7	5
4	Benzoic acid, 3-(dimethylamino)-...	283	C17H17NO3	055153-17-8	5





Tentatively Identified Compound (TIC) Summary

Operator ID: Mclean Date Acquired: 17 May 2002 7:18 pm
Data File: C:\MSDCHEM\1\DATA\051702\11382.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
Acetonitrile, dic...	3.62	0.3	ug/L	283023	1	9.94	36875200	40.0
2-Pentanone, 4-hy...	5.98	18.2	ug/L	16818500	1	9.94	36875200	40.0
3-Oxetanol, 2,2,3...	7.73	0.3	ug/L	320150	1	9.94	36875200	40.0
Cyclopentasiloxan...	12.41	0.4	ug/L	473615	2	13.43	49323000	40.0
1,5-Naphthalenedi...	22.58	0.3	ug/L	392022	4	22.95	52259800	40.0
Anthracene-d10-	23.11	0.5	ug/L	612857	4	22.95	52259800	40.0
3,6-Dioxa-2,4,5,7...	36.79	0.4	ug/L	286442	6	34.71	31788200	40.0
4-Bromo-2-trifluo...	36.83	0.2	ug/L	176595	6	34.71	31788200	40.0