User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/22/2002 Time: 12:39:04

Sample: AE11381
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/22/02 12:38 Ended: 5/22/02 12:38 Analyst: DLV
Page: 1

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

:omments for Sample AE11381 - Analysis $GCMS

Vestchester Dept. of Labs & Research
Jser: Vinci, David L
)ate: 05-22-2002 Time: 12:39:30

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

Quantitation Report (QA Reviewed)

Data File : C:\MSDCHEM\1\DATA\051702\11381.D Vial: 8
Acq On : 17 May 2002 6:29 pm Operator: Mclean
Sample : 5/15 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 20 15:47:02 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	6187421	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	24356507	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	13280010	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	19481695	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	14257256	40.00	ug/L	0.00
43) Perylene-d12	34.71	264	9212016	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.55	209	2789086	34.59	ug/L	0.00
Spiked Amount 40.000			Recovery = 86.48%			
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	20.55	77	46355	N.D.		
30) Nnitrosodiphenylamine	20.55	169	51617	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	17320	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
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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	30.81	228	35104	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)

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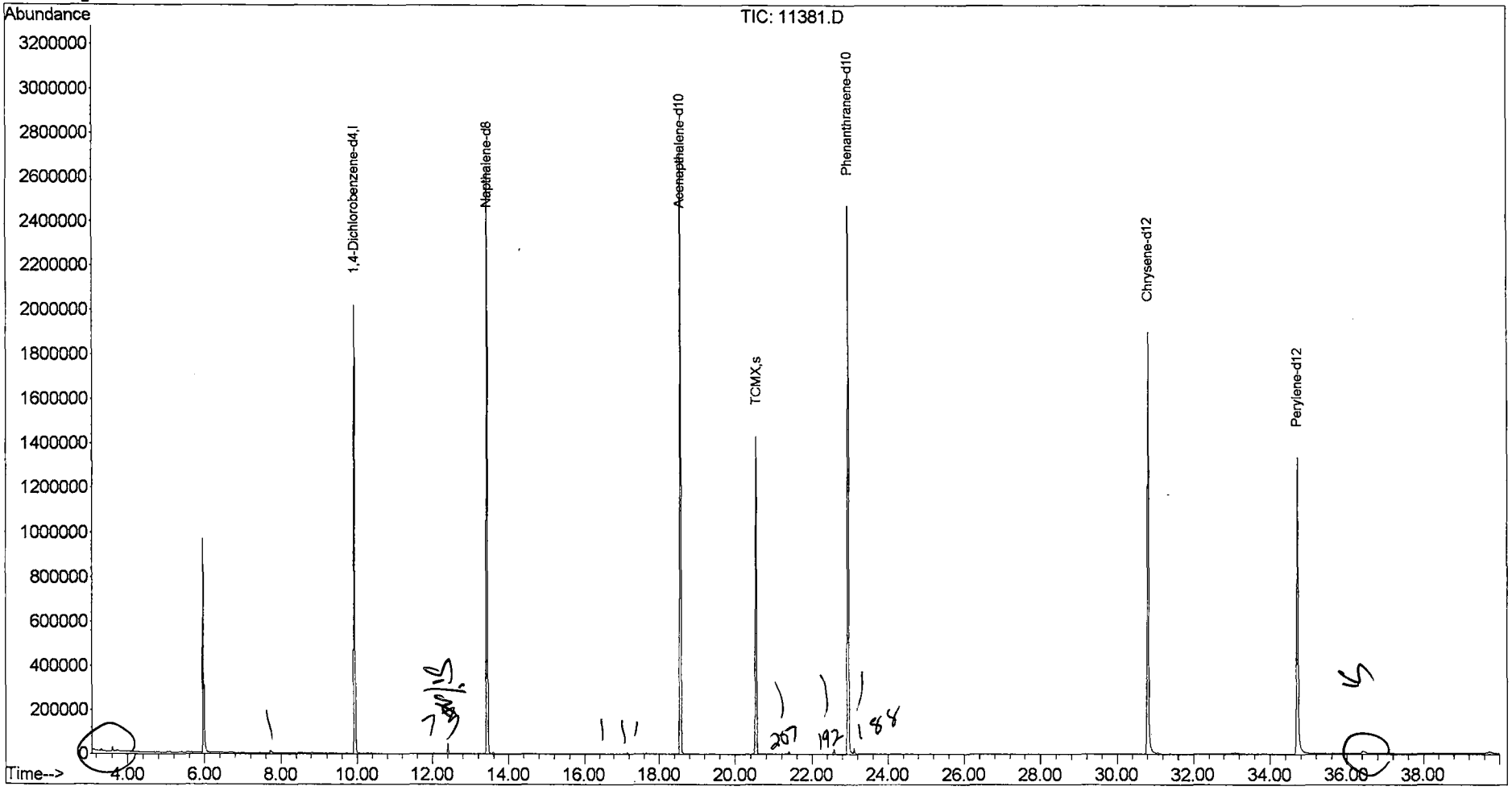
Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\051702\11381.D Vial: 8
Acq On : 17 May 2002 6:29 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

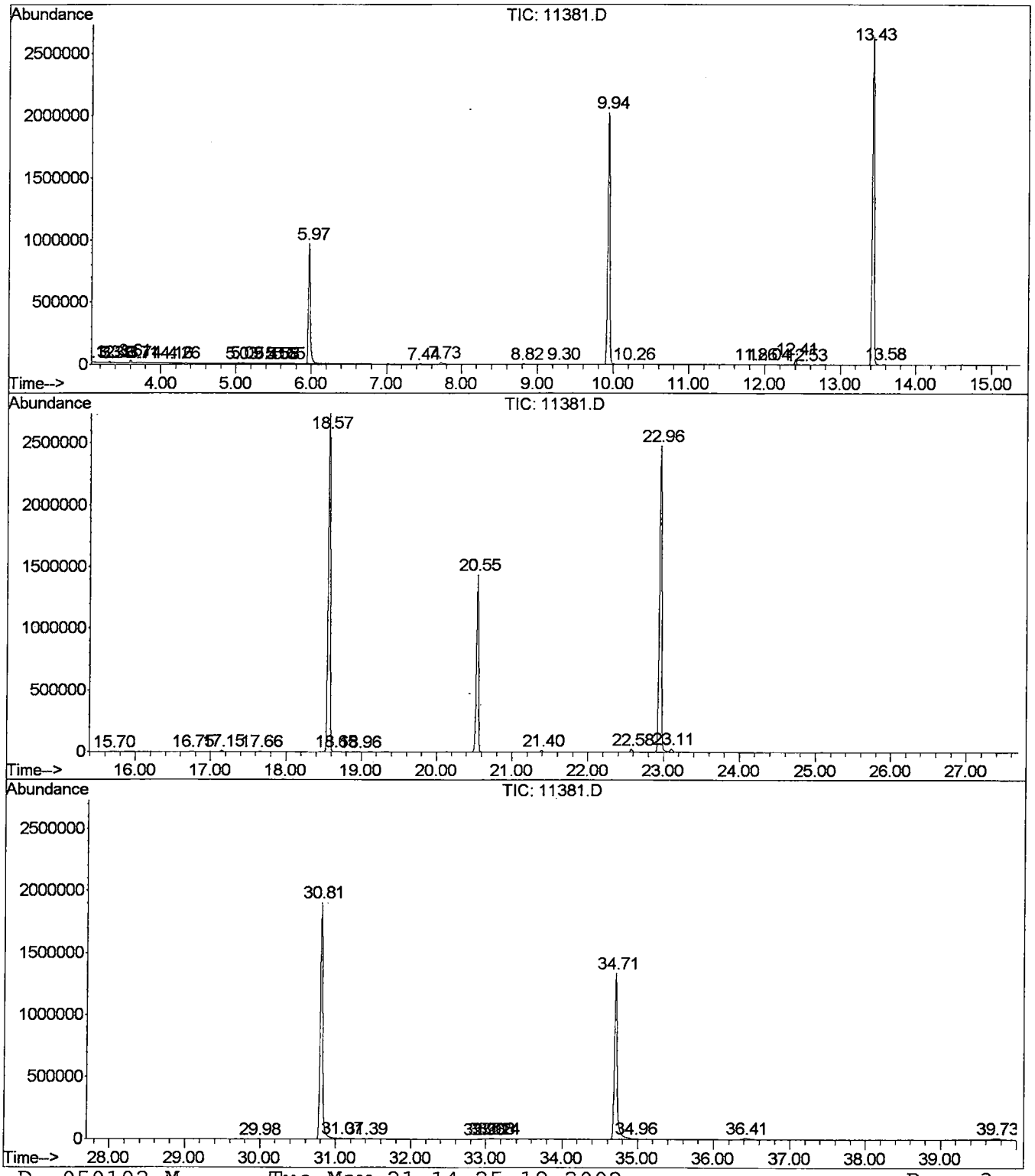
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.120	3	7	23	BV 4	2999	84604	0.16%	0.026%
2	3.326	36	42	47	PV 2	8977	141787	0.26%	0.044%
3	3.379	47	51	56	VV 6	3838	63134	0.12%	0.019%
4	3.608	83	90	97	PV	19723	310392	0.57%	0.096%
5	3.708	100	107	109	VV 5	4436	92383	0.17%	0.028%
6	3.737	109	112	116	VV 2	5756	102049	0.19%	0.031%
7	4.160	177	184	189	VV 5	2908	61338	0.11%	0.019%
8	4.254	189	200	211	PV 9	2743	91021	0.17%	0.028%
9	5.030	323	332	338	PV 6	2569	49186	0.09%	0.015%
10	5.095	338	343	347	VV 7	3800	69943	0.13%	0.022%
11	5.412	392	397	402	VV 4	3050	69378	0.13%	0.021%
12	5.553	414	421	423	PV 6	2728	52206	0.10%	0.016%
13	5.576	423	425	427	VV 2	2429	22786	0.04%	0.007%
14	5.653	434	438	447	VV 6	2670	78821	0.14%	0.024%
15	5.976	485	493	528	VV	951031	16994978	31.19%	5.242%
16	7.445	738	743	751	VV 7	2601	49313	0.09%	0.015%
17	7.727	782	791	805	PV 2	12223	296939	0.55%	0.092%
18	8.814	972	976	988	VV 6	3336	86050	0.16%	0.027%
19	9.302	1054	1059	1067	VV 6	2679	65127	0.12%	0.020%
20	9.936	1156	1167	1198	PV	2008933	37390786	68.63%	11.533%
21	10.259	1212	1222	1226	PV 4	2105	25110	0.05%	0.008%
22	11.863	1491	1495	1506	VV 6	2976	52184	0.10%	0.016%
23	12.040	1520	1525	1534	VV	3115	53055	0.10%	0.016%
24	12.404	1576	1587	1595	PV	43676	672446	1.23%	0.207%
25	12.527	1604	1608	1617	PB 5	1616	24984	0.05%	0.008%
26	13.432	1745	1762	1781	PV	2658322	49845525	91.49%	15.374%
27	13.579	1781	1787	1798	VV 2	8159	161460	0.30%	0.050%
28	15.700	2144	2148	2153	PV 2	2051	32327	0.06%	0.010%
29	16.746	2320	2326	2336	VV 2	4425	86193	0.16%	0.027%
30	17.145	2382	2394	2402	PV 3	8840	149418	0.27%	0.046%
31	17.663	2473	2482	2487	PV 3	4295	69849	0.13%	0.022%
32	18.567	2613	2636	2648	PV	2699255	54482810	100.00%	16.805%
33	18.644	2648	2649	2658	VV 6	3235	75028	0.14%	0.023%
34	18.961	2697	2703	2712	VV 3	2070	39125	0.07%	0.012%
35	20.547	2958	2973	2988	PV	1451743	27823854	51.07%	8.582%
36	21.399	3108	3118	3128	VV 4	12395	234141	0.43%	0.072%
37	22.580	3310	3319	3328	PV 2	22301	412092	0.76%	0.127%

38	22.956	3371	3383	3402	PV	2	2482620	53083126	97.43%	16.373%
39	23.109	3402	3409	3425	VV	3	25321	596776	1.10%	0.184%
40	29.978	4568	4578	4586	PV	3	2298	56302	0.10%	0.017%
41	30.806	4704	4719	4757	VV	2	1881722	44347830	81.40%	13.679%
42	31.065	4757	4763	4777	VV	10	7102	283744	0.52%	0.088%
43	31.388	4810	4818	4824	VV	5	2954	92638	0.17%	0.029%
44	32.963	5066	5086	5087	PV	7	1345	34401	0.06%	0.011%
45	33.021	5087	5096	5098	VV	3	2736	67604	0.12%	0.021%
46	33.080	5098	5106	5115	VV	8	3840	170195	0.31%	0.052%
47	33.145	5115	5117	5124	VB	7	2109	29106	0.05%	0.009%
48	34.708	5365	5383	5424	PV	2	1321724	33568951	61.61%	10.354%
49	34.960	5424	5426	5442	VV	9	3582	97689	0.18%	0.030%
50	36.411	5652	5673	5701	VV	9	11358	784790	1.44%	0.242%
51	39.725	6213	6237	6259	PV	9	7898	589598	1.08%	0.182%

Sum of corrected areas: 324214571

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\051702\11381.D
Operator : Mclean
Acquired : 17 May 2002 6:29 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/15 ad
Misc Info :
Vial Number: 8
Quant File :050102.RES (Chemstation Integrator)



Data File : C:\MSDCHEM\1\DATA\051702\11381.D Vial: 8
Acq On : 17 May 2002 6:29 pm Operator: Mclean
Sample : 5/15 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

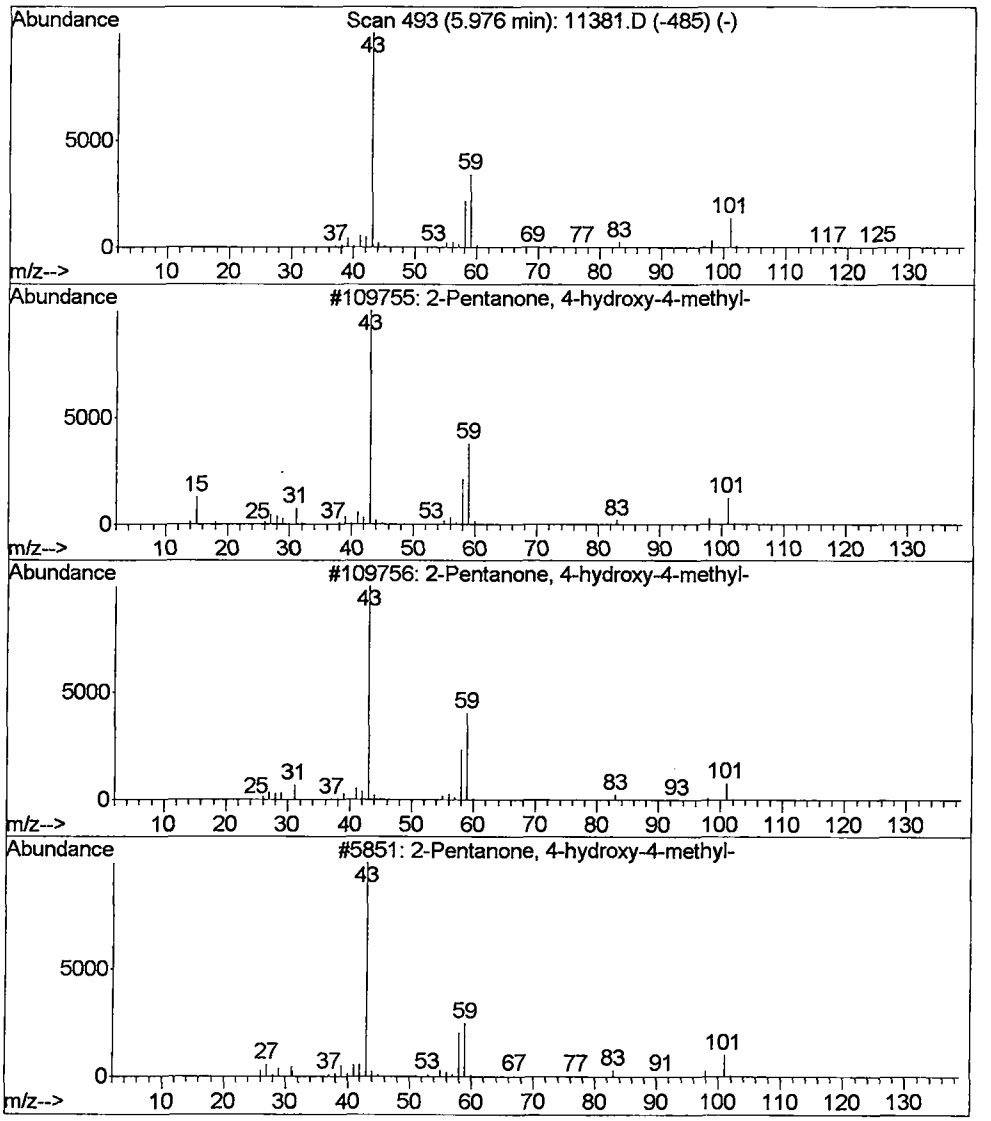
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

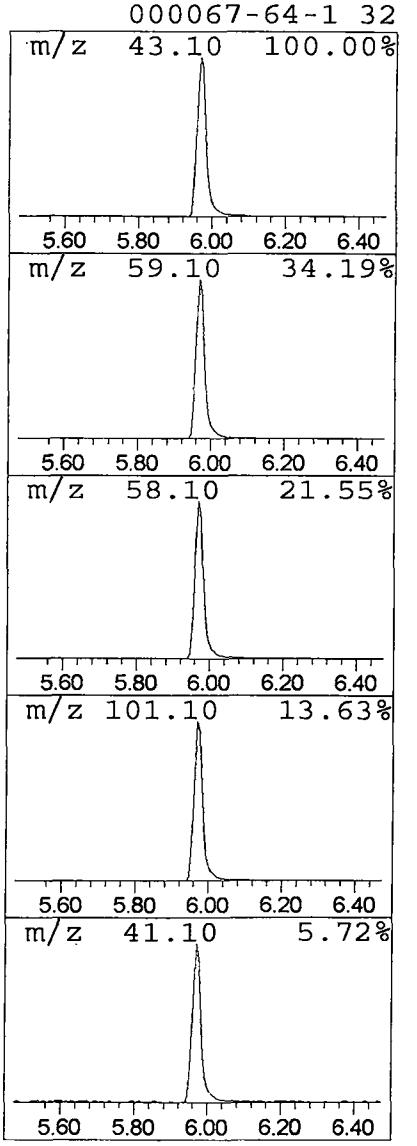
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	18.18 ug/L	16995000	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	64
4	Acetone	58	C3H6O	000067-64-1	32





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051702\11381.D Vial: 8
Acq On : 17 May 2002 6:29 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
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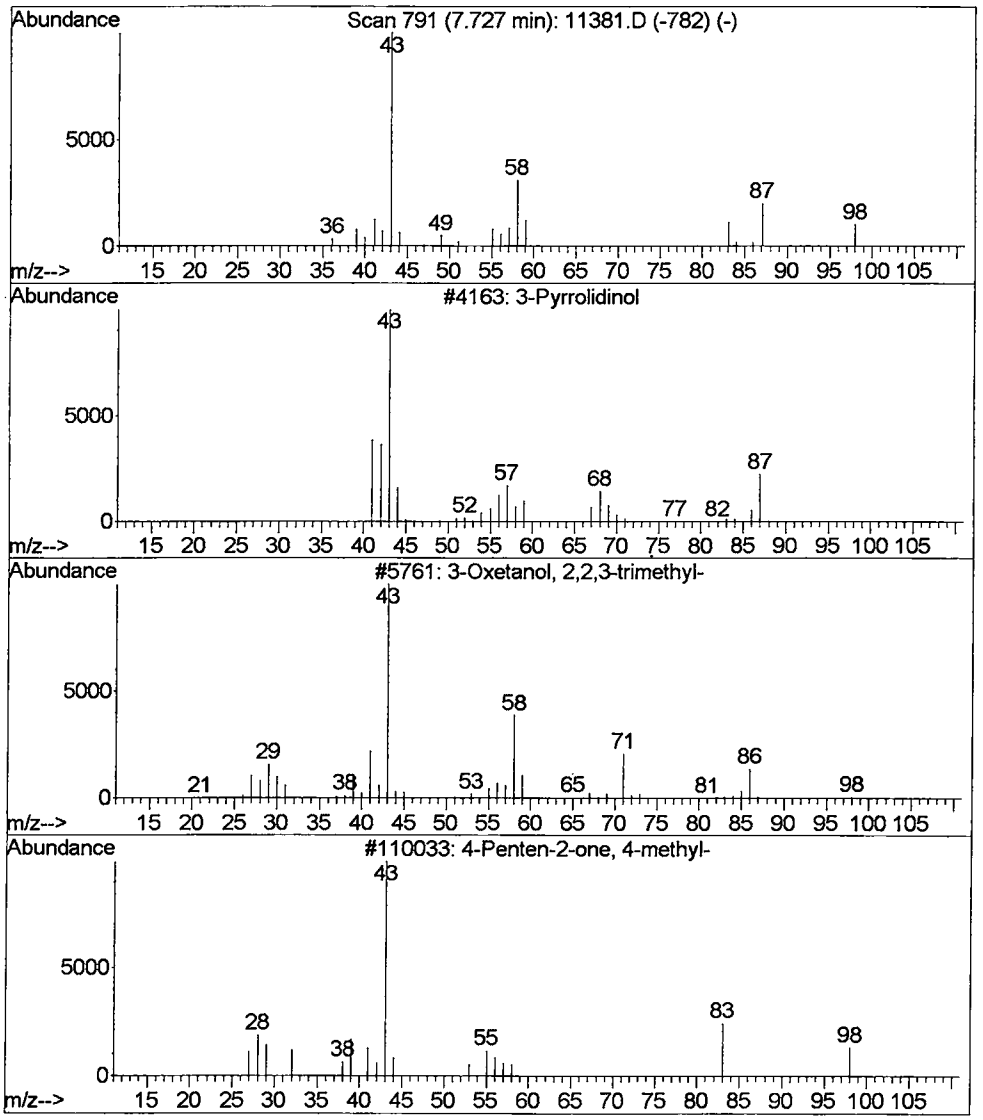
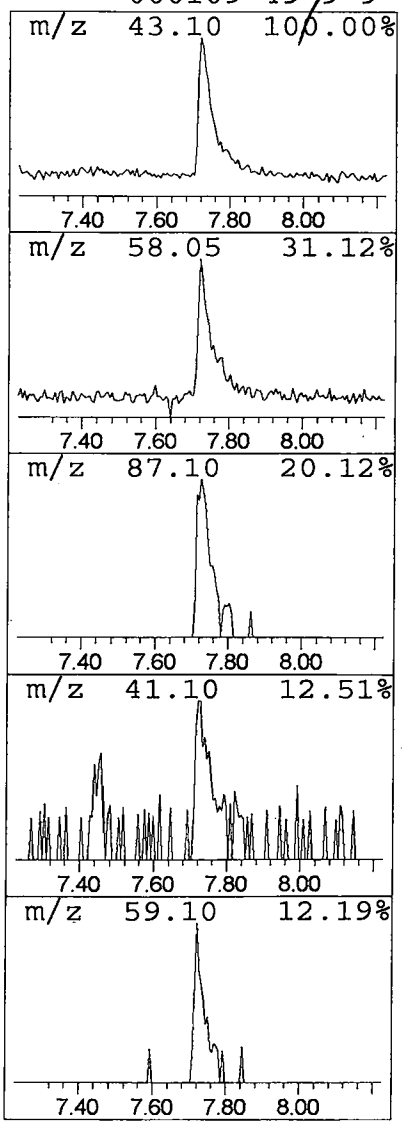
****

Peak Number 2 3-Pyrrolidinol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	0.32 ug/L	296939	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pyrrolidinol	87	C4H9NO	040499-83-0	25
2	3-Oxetanol, 2,2,3-trimethyl-	116	C6H12O2	025910-96-7	25
3	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	10
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Library Search Compound Report

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Acq On : 17 May 2002 6:29 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
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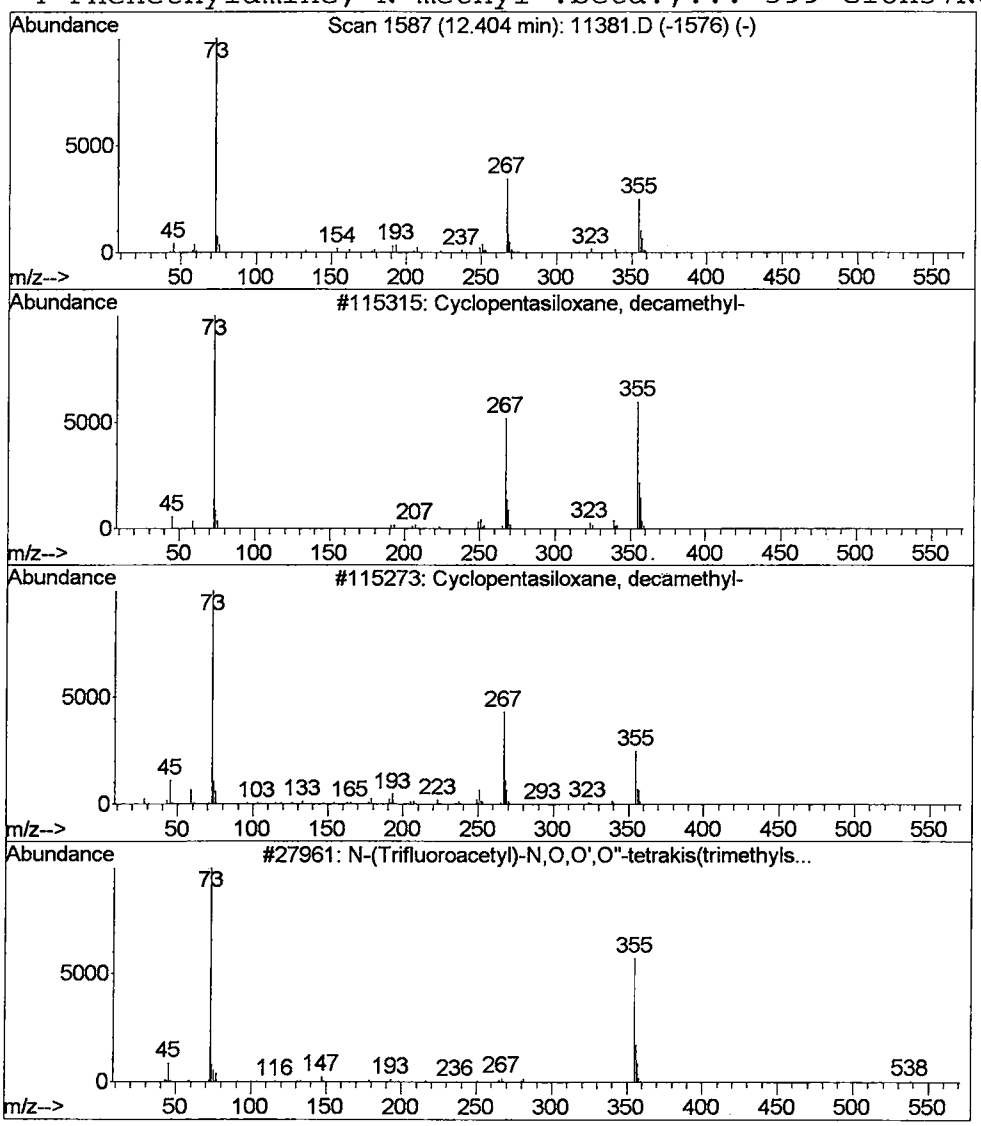
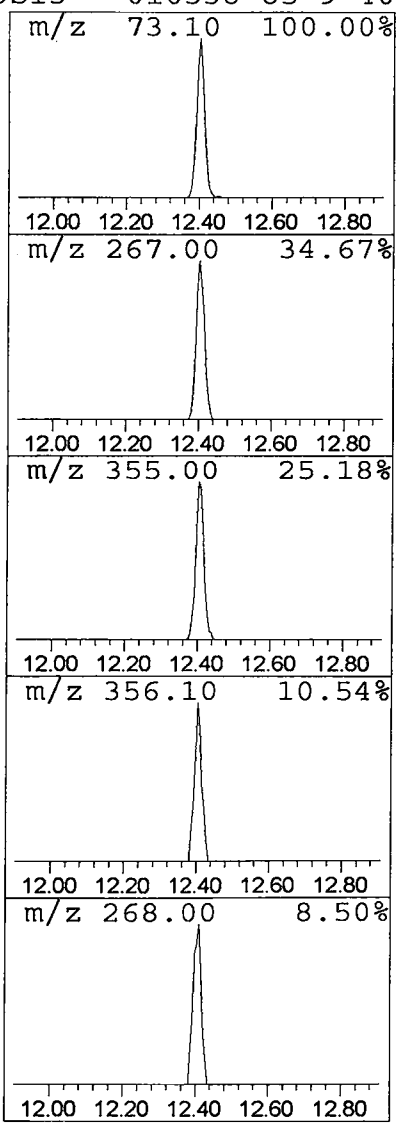
Peak Number 3 Cyclopentasiloxane, decamet...: Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	0.54 ug/L	672446	Napthalene-d8	13.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	91
2	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	78
3	N-(Trifluoroacetyl)-N,O,O',O''-t...	553	C22H42F3NO4Si4	1000072-26-7	40
4	Phenethylamine, N-methyl-.beta.,...	399	C18H37NO3Si3	010538-85-9	40





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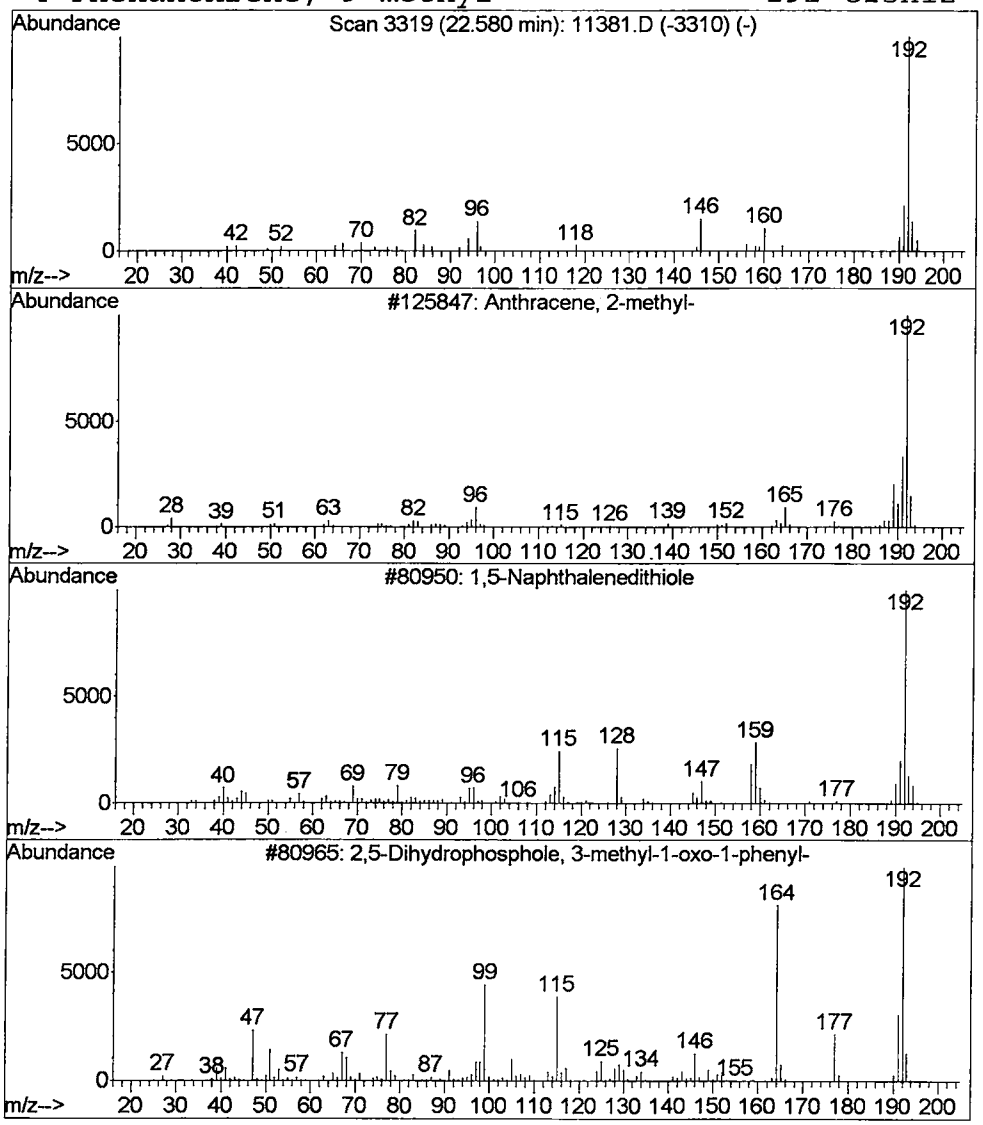
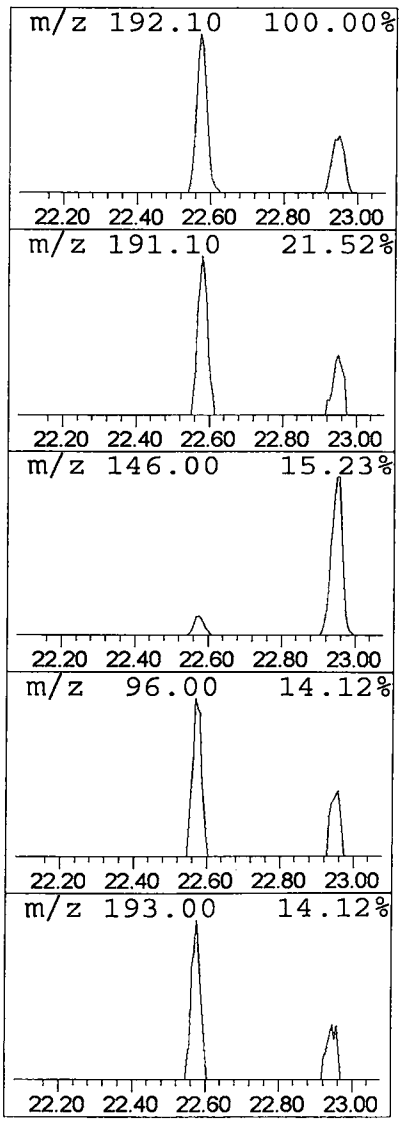
Peak Number 4 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.31 ug/L	412092	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	64
2	1,5-Naphthalenedithiole	192	C10H8S2	1000223-69-5	50
3	2,5-Dihydrophosphole, 3-methyl-1...	192	C11H13OP	1000196-97-5	45
4	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	42





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Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

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Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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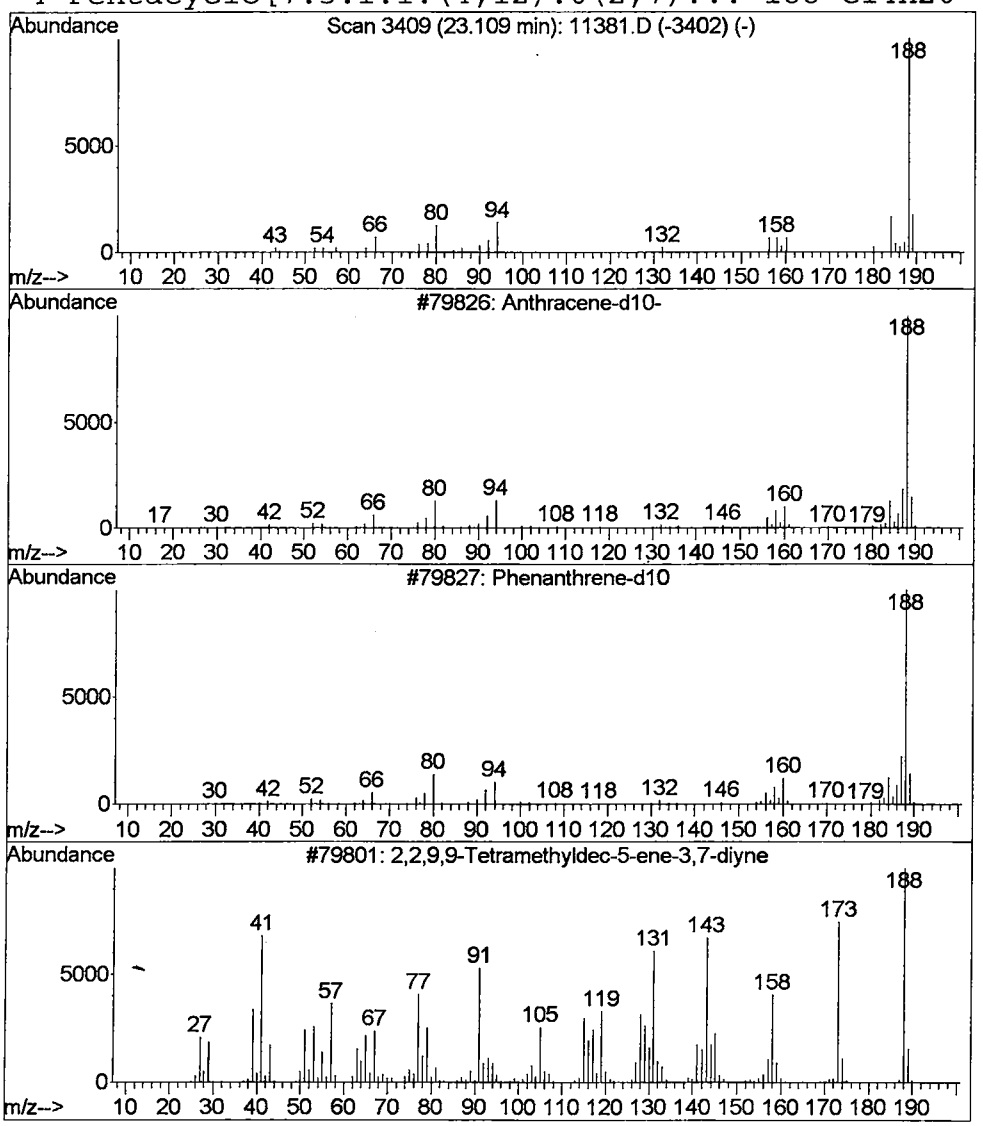
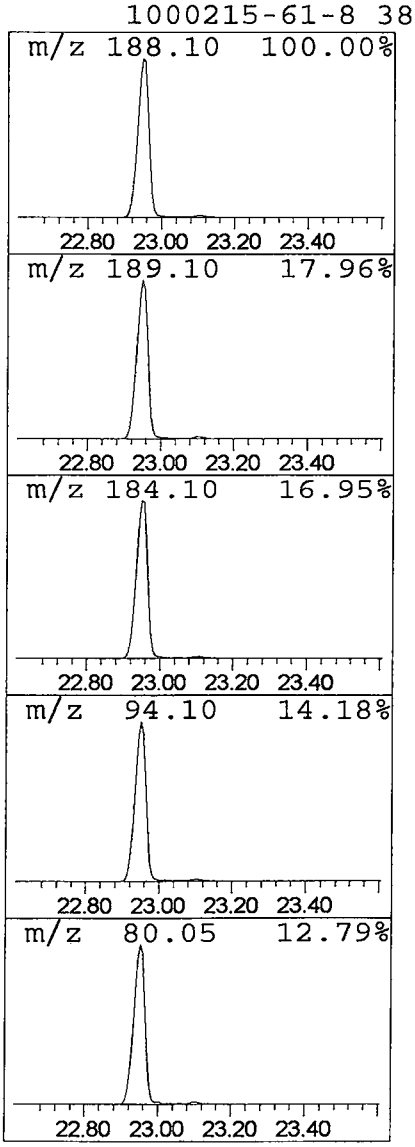
Peak Number 5 Anthracene-d10- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.45 ug/L	596776	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	90
2	Phenanthrene-d10	188	C14D10	001517-22-2	86
3	2,2,9,9-Tetramethyldec-5-ene-3,7...	188	C14H20	102745-35-7	38
4	Pentacyclo[7.3.1.1.(4,12).0(2,7)...	188	C14H20	1000215-61-8	38





Data File : C:\MSDCHEM\1\DATA\051702\11381.D Vial: 8
Acq On : 17 May 2002 6:29 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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Library : C:\DATABASE\NIST98.L

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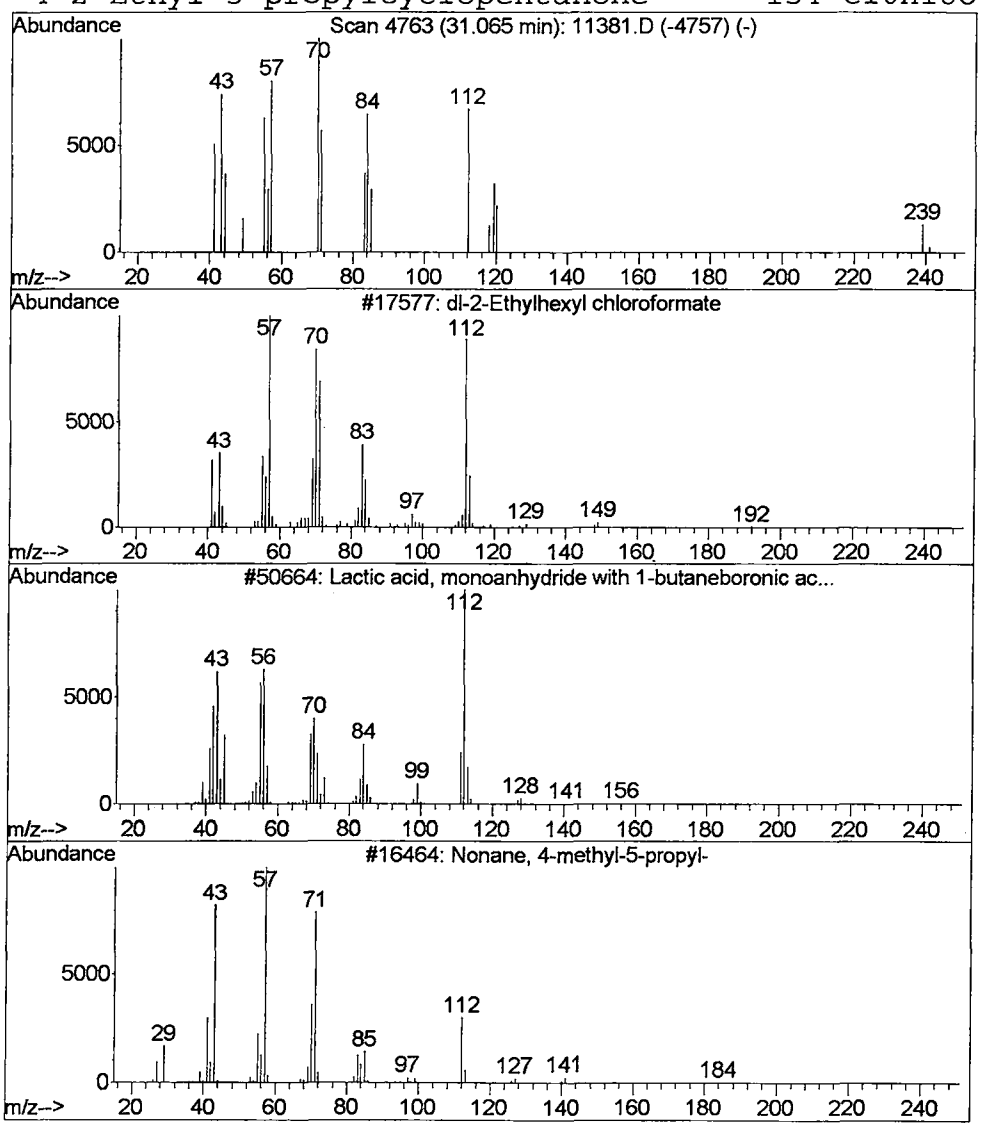
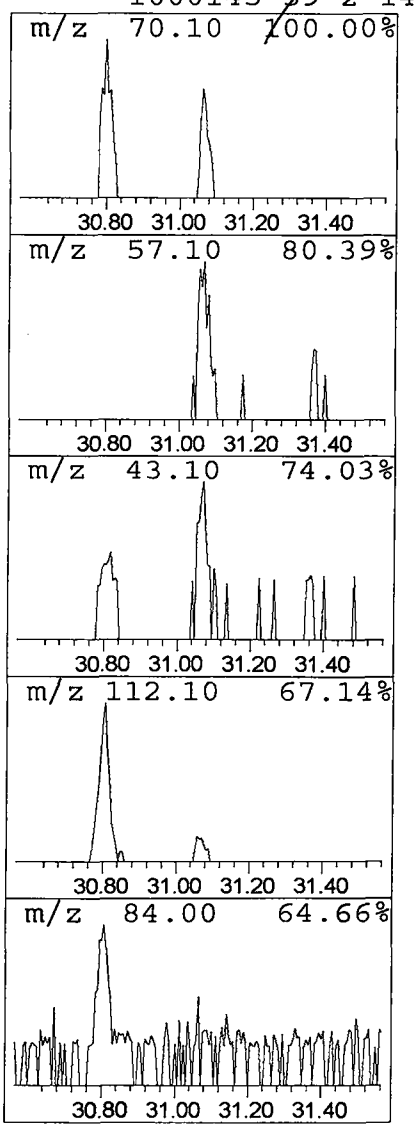
Peak Number 6 dl-2-Ethylhexyl chloroformate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.07	0.26 ug/L	283744	Chrysene-d12	30.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	dl-2-Ethylhexyl chloroformate	192	C9H17ClO2	024468-13-1	47
2	Lactic acid, monoanhydride with ...	156	C7H13BO3	024372-01-8	45
3	Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	23
4	2-Ethyl-5-propylcyclopentanone	154	C10H18O	1000145-59-2	14





Data File : C:\MSDCHEM\1\DATA\051702\11381.D Vial: 8
Acq On : 17 May 2002 6:29 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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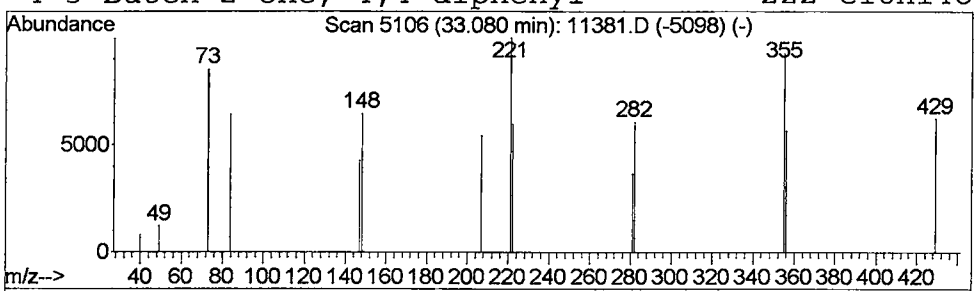
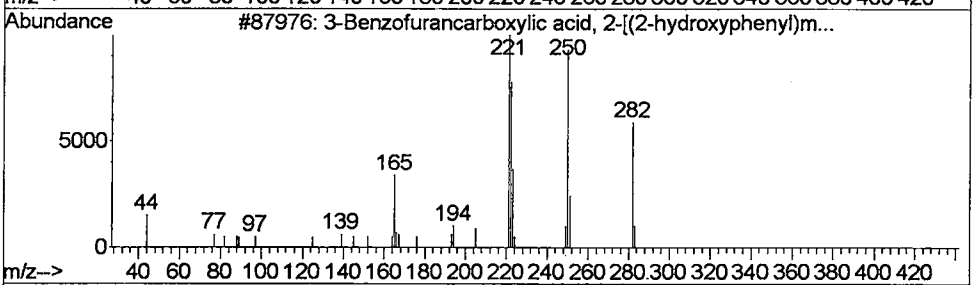
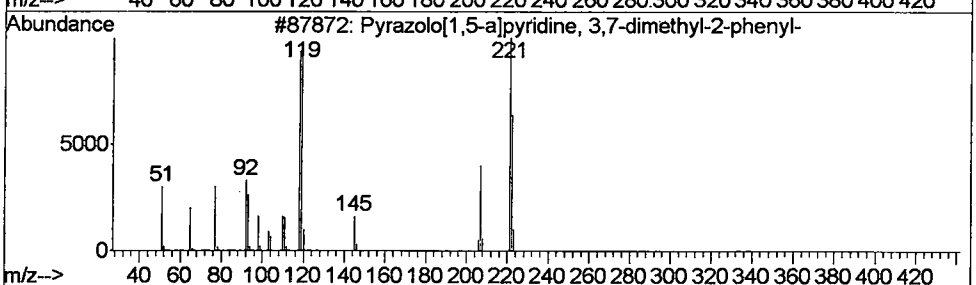
Peak Number 7 3-Benzofurancarboxylic acid... Concentration Rank 9

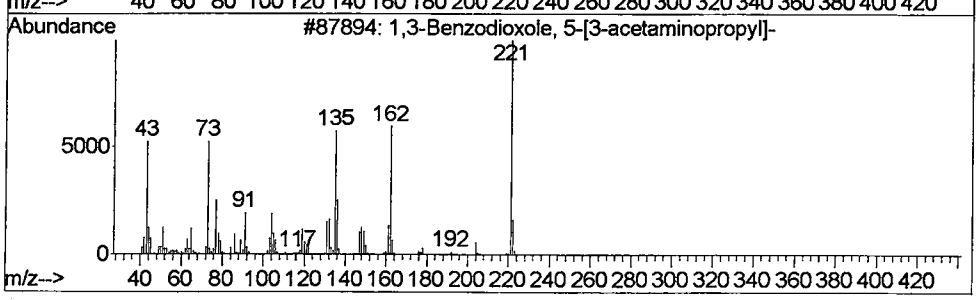
R.T.	EstConc	Area	Relative to ISTD	R.T.
33.08	0.20 ug/L	170195	Perylene-d12	34.71

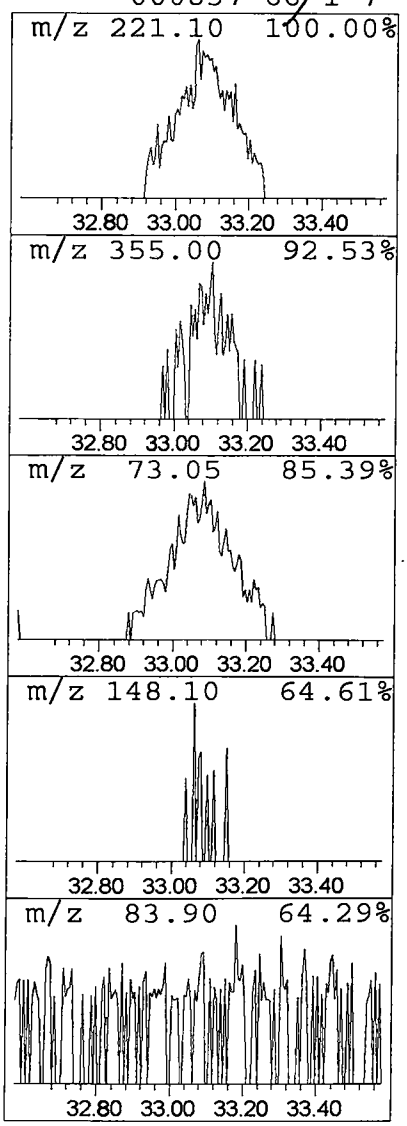
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Benzofurancarboxylic acid, 2-[...	282	C17H14O4	040800-98-4	12
2	Pyrazolo[1,5-a]pyridine, 3,7-dim...	222	C15H14N2	017408-36-5	12
3	1,3-Benzodioxole, 5-[3-acetamino...	221	C12H15NO3	1000124-33-0	9
4	3-Buten-2-one, 4,4-diphenyl-	222	C16H14O	000837-66-1	7











Data File : C:\MSDCHEM\1\DATA\051702\11381.D Vial: 8
Acq On : 17 May 2002 6:29 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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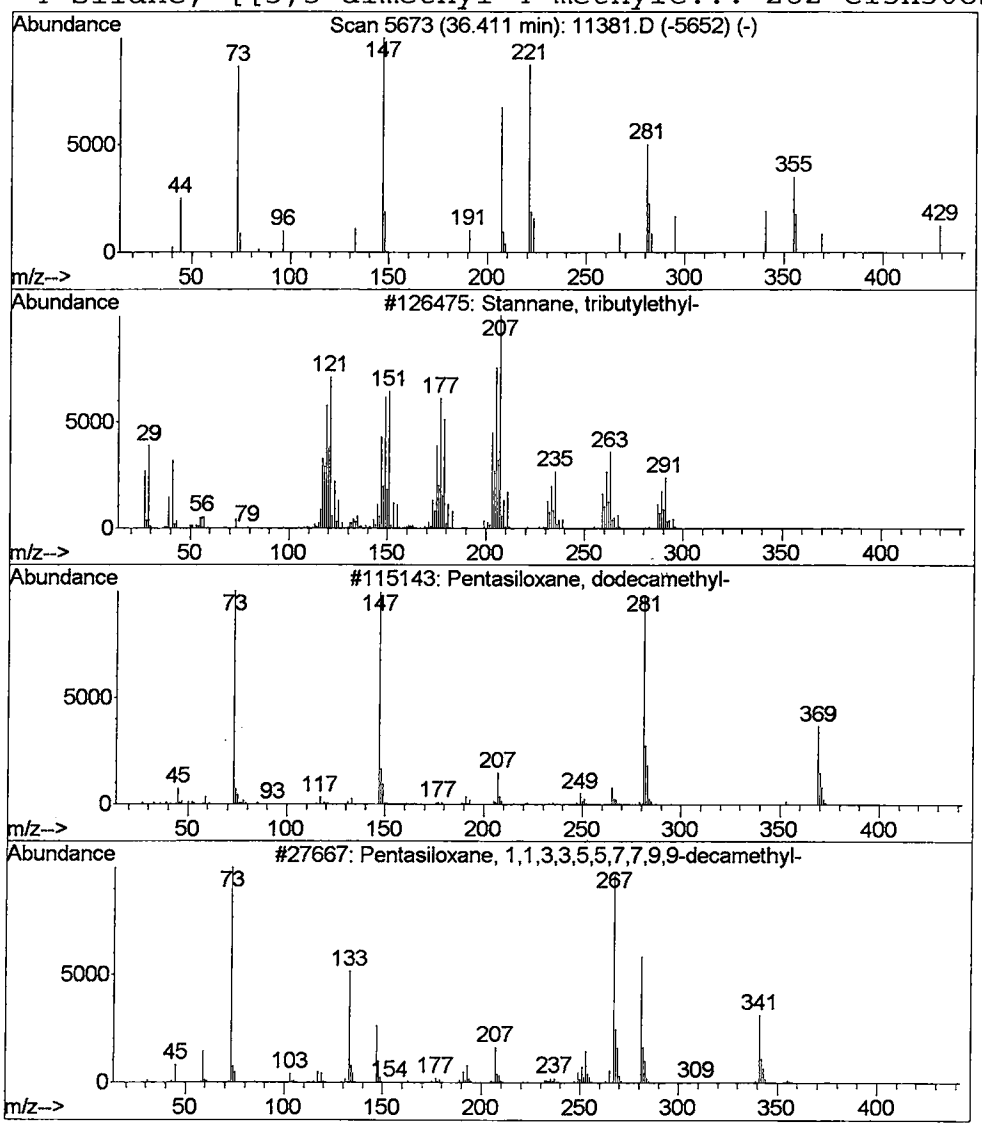
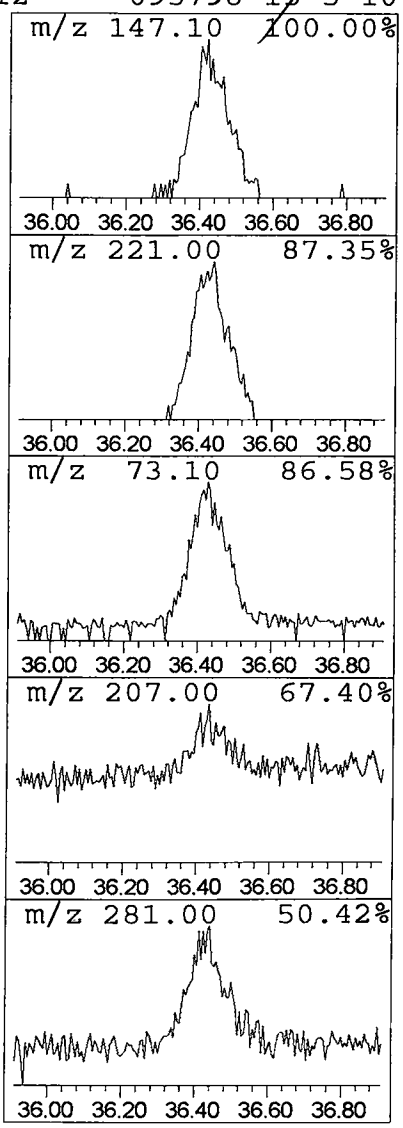
Peak Number 8 Stannane, tributylethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
36.41	0.94 ug/L	784790	Perylene-d12	34.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Stannane, tributylethyl-	320	C14H32Sn	019411-60-0	22
2	Pentasiloxane, dodecamethyl-	384	C12H36O4Si5	000141-63-9	12
3	Pentasiloxane, 1,1,3,3,5,5,7,7,9...	356	C10H32O4Si5	000995-83-5	12
4	Silane, [[5,5-dimethyl-4-methyle...	282	C15H30OSi2	095798-15-5	10





Data File : C:\MSDCHEM\1\DATA\051702\11381.D Vial: 8
Acq On : 17 May 2002 6:29 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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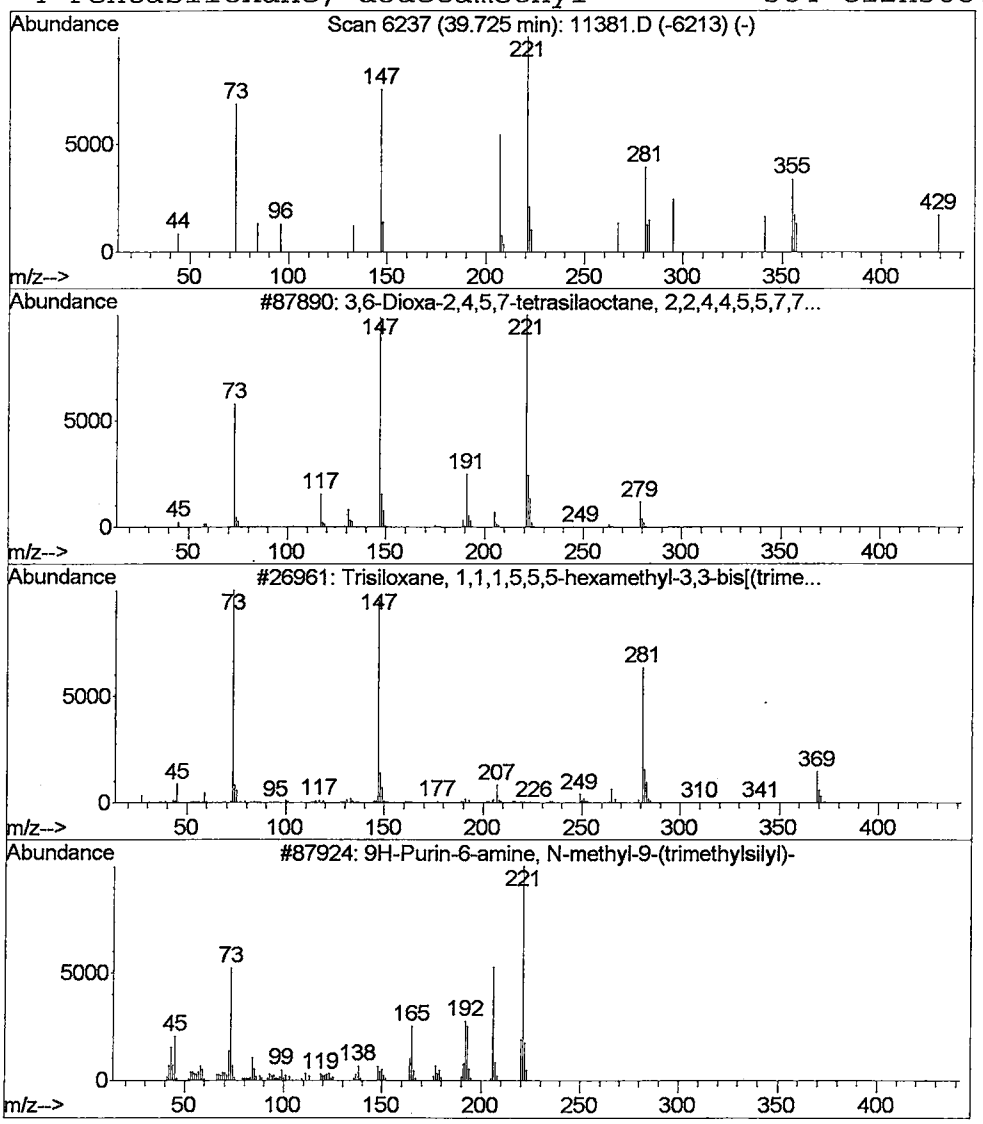
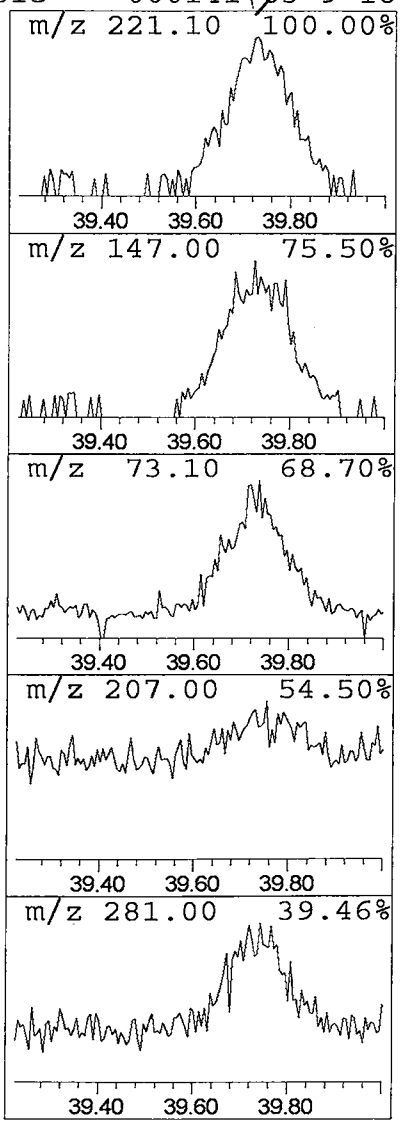
Peak Number 9 3,6-Dioxa-2,4,5,7-tetrasila... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
39.73	0.70 ug/L	589598	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	43
2	Trisiloxane, 1,1,1,5,5,5-hexamet...	384	C12H36O4Si5	003555-47-3	22
3	9H-Purin-6-amine, N-methyl-9-(tr...	221	C9H15N5Si	032865-83-1	18
4	Pentasiloxane, dodecamethyl-	384	C12H36O4Si5	000141-63-9	16





Tentatively Identified Compound (TIC) Summary

Operator ID: Mclean Date Acquired: 17 May 2002 6:29 pm
Data File: C:\MSDCHEM\1\DATA\051702\11381.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...	5.97	18.2	ug/L	16995000	1	9.94	37390800	40.0
3-Pyrrolidinol	7.73	0.3	ug/L	296939	1	9.94	37390800	40.0
Cyclopentasiloxan...	12.41	0.5	ug/L	672446	2	13.43	49845500	40.0
Anthracene, 2-met...	22.58	0.3	ug/L	412092	4	22.95	53083100	40.0
Anthracene-d10-	23.11	0.4	ug/L	596776	4	22.95	53083100	40.0
dl-2-Ethylhexyl c...	31.07	0.3	ug/L	283744	5	30.81	44347800	40.0
3-Benzofurancarbo...	33.08	0.2	ug/L	170195	6	34.71	33569000	40.0
Stannane, tributy...	36.41	0.9	ug/L	784790	6	34.71	33569000	40.0
3,6-Dioxa-2,4,5,7...	39.73	0.7	ug/L	589598	6	34.71	33569000	40.0