User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/22/2002 Time: 12:33:03

Sample: AE11379
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/22/02 12:32 Ended: 5/22/02 12:32 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		87		10.0

:omments for Sample AE11379 - Analysis $GCMS

Vestchester Dept. of Labs & Research
Jser: Vinci, David L
)ate: 05-22-2002 Time: 12:34:07

The 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 (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051702\11379.D Vial: 6
Acq On : 17 May 2002 4:51 pm Operator: Mclean
Sample : 5/15 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 20 09:51:13 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	6106973	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	24090310	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	13056669	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	19139742	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	13958948	40.00	ug/L	0.00
43) Perylene-d12	34.70	264	8711863	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.55	209	2746997	34.65	ug/L	0.00
Spiked Amount 40.000			Recovery = 86.63%			
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	20.14	149	16663	N.D.		
25) 4-Chlorophenyl-phenylether	20.55	204	15584	N.D.		
26) Fluorene	0.00	166	0	N.D.		
28) Azobenzene	20.55	77	46926	N.D.		
30) Nnitrosodiphenylamine	20.55	169	52169	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	20069	N.D.		

(#) = qualifier out of range (m) = manual integration
11379.D 050102.M Mon May 20 15:44:41 2002 Page 1

Data File : C:\MSDCHEM\1\DATA\051702\11379.D Vial: 6
Acq On : 17 May 2002 4:51 pm Operator: Mclean
Sample : 5/15 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 20 09:51:13 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

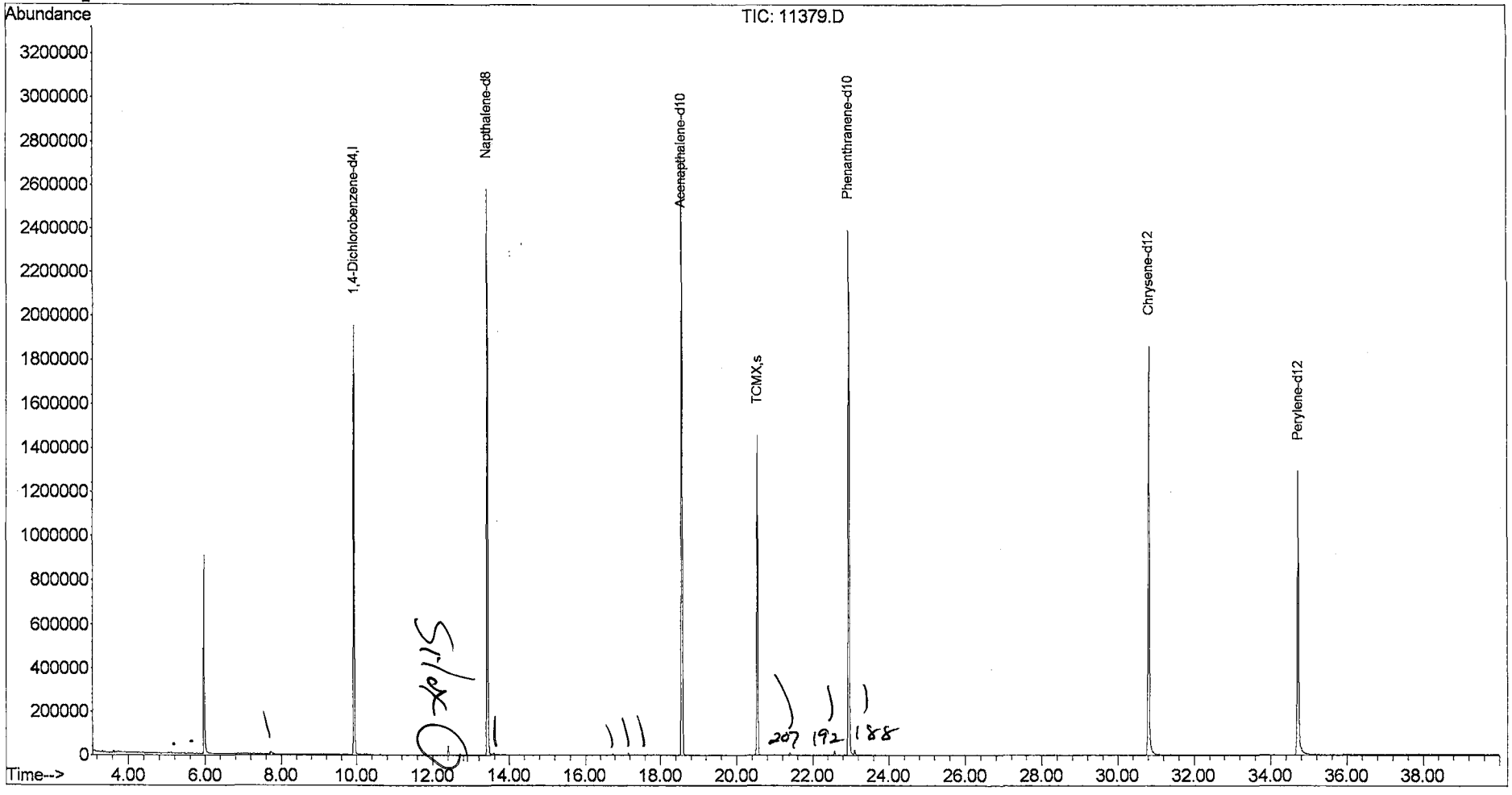
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Fluoroanthene	0.00	202	0	N.D.	
38)	Pyrene	0.00	202	0	N.D.	
39)	Butylbenzylphthalate	0.00	149	0	N.D.	
40)	Benzo(a)anthracene	30.81	228	37239	N.D.	
41)	Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.	
42)	Chrysene	0.00	228	0	N.D.	
44)	Di-n-octylphthalate	0.00	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\11379.D Vial: 6
Acq On : 17 May 2002 4:51 pm Operator: Mclean
Sample : 5/15 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 20 15:44 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\11379.D Vial: 6
Acq On : 17 May 2002 4:51 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

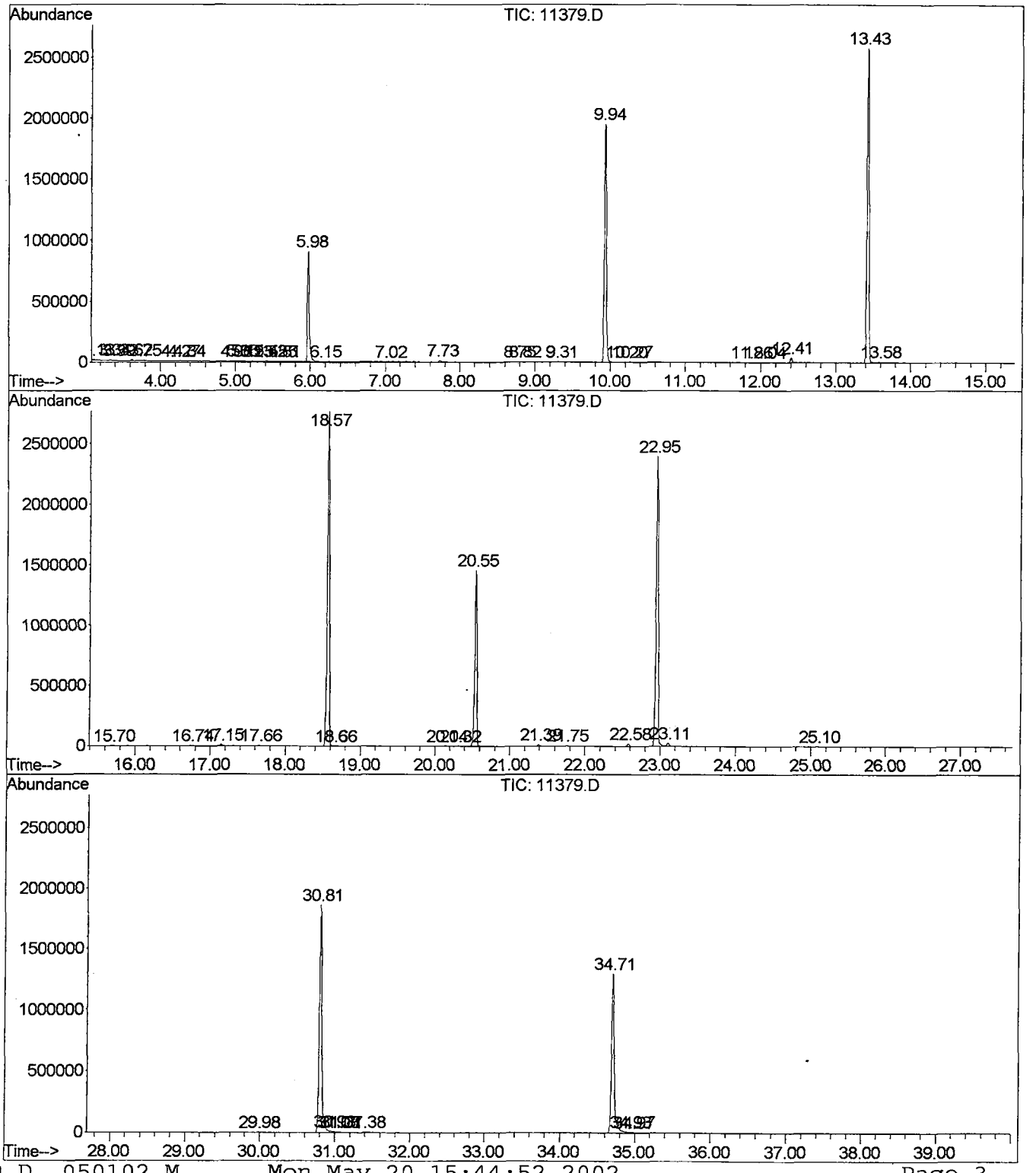
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.126	4	8	17	BV 3	4265	70834	0.13%	0.022%
2	3.338	40	44	50	PV 3	7066	100985	0.19%	0.032%
3	3.397	50	54	70	VV 10	2278	45268	0.08%	0.014%
4	3.626	85	93	97	PV	9658	137617	0.26%	0.044%
5	3.749	97	114	124	VV 5	4566	153621	0.29%	0.049%
6	4.172	174	186	192	BV 9	2165	45463	0.09%	0.014%
7	4.266	198	202	208	VV 4	3716	67589	0.13%	0.021%
8	4.337	211	214	229	VV 8	1847	62467	0.12%	0.020%
9	4.959	314	320	328	PV 8	1654	31288	0.06%	0.010%
10	5.048	328	335	339	VV 7	4258	91919	0.17%	0.029%
11	5.106	339	345	352	VV 6	5526	147977	0.28%	0.047%
12	5.230	359	366	382	VV 10	2083	62561	0.12%	0.020%
13	5.424	389	399	416	VV 6	4375	139726	0.26%	0.044%
14	5.553	416	421	423	PV 6	3000	39878	0.07%	0.013%
15	5.612	423	431	437	VV 10	3013	97488	0.18%	0.031%
16	5.976	482	493	521	VV	898687	15886989	29.79%	5.045%
17	6.152	521	523	529	VV 4	2607	47776	0.09%	0.015%
18	7.022	663	671	678	PV 7	1798	29093	0.05%	0.009%
19	7.727	785	791	809	PV	12389	341765	0.64%	0.109%
20	8.749	961	965	972	PV 4	1885	38576	0.07%	0.012%
21	8.820	972	977	985	VV 5	2249	48748	0.09%	0.015%
22	9.307	1055	1060	1073	VV 7	2654	76392	0.14%	0.024%
23	9.936	1157	1167	1183	PV	1953170	36693551	68.81%	11.653%
24	10.200	1208	1212	1216	VV 2	2925	43973	0.08%	0.014%
25	10.265	1216	1223	1228	PV 4	3482	61390	0.12%	0.019%
26	11.863	1490	1495	1507	VV 6	2092	34259	0.06%	0.011%
27	12.034	1519	1524	1530	VV 3	1959	28170	0.05%	0.009%
28	12.404	1580	1587	1597	PV	39872	629667	1.18%	0.200%
29	13.432	1750	1762	1782	PV	2582315	49186395	92.24%	15.621%
30	13.585	1782	1788	1794	VV	8168	143096	0.27%	0.045%
31	15.700	2137	2148	2155	PV 4	2016	43746	0.08%	0.014%
32	16.746	2320	2326	2338	VV 3	4366	105611	0.20%	0.034%
33	17.145	2380	2394	2401	PV 5	9832	178669	0.34%	0.057%
34	17.657	2473	2481	2491	PV 5	4168	67903	0.13%	0.022%
35	18.567	2626	2636	2650	PV	2722315	53325503	100.00%	16.935%
36	18.655	2650	2651	2654	VV 2	967	8694	0.02%	0.003%
37	20.142	2896	2904	2910	BV 4	2581	55007	0.10%	0.017%

38	20.324	2930	2935	2943	VV	4	1711	34454	0.06%	0.011%
39	20.547	2958	2973	2984	VV		1446225	27394229	51.37%	8.700%
40	21.393	3109	3117	3123	VV	4	12065	212907	0.40%	0.068%
41	21.752	3171	3178	3185	PV	4	2868	54466	0.10%	0.017%
42	22.580	3312	3319	3332	VV	2	20716	396743	0.74%	0.126%
43	22.956	3369	3383	3402	PV	2	2388934	52324013	98.12%	16.617%
44	23.109	3402	3409	3422	VV		24250	528786	0.99%	0.168%
45	25.095	3738	3747	3753	PV	3	1719	33374	0.06%	0.011%
46	29.978	4573	4578	4585	VV	4	2182	42417	0.08%	0.013%
47	30.806	4706	4719	4747	PV	2	1843697	43202241	81.02%	13.720%
48	30.976	4747	4748	4755	VV	5	6779	141942	0.27%	0.045%
49	31.023	4755	4756	4760	VV	3	4432	65961	0.12%	0.021%
50	31.065	4760	4763	4772	VV	7	5282	139695	0.26%	0.044%
51	31.382	4812	4817	4824	PV	4	2778	55849	0.10%	0.018%
52	34.707	5359	5383	5419	PV	2	1288164	31782783	59.60%	10.094%
53	34.931	5419	5421	5427	VV	4	4137	74146	0.14%	0.024%
54	34.972	5427	5428	5435	VV	5	1942	28079	0.05%	0.009%

Sum of corrected areas: 314881741

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\051702\11379.D
Operator : Mclean
Acquired : 17 May 2002 4:51 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/15 ad
Misc Info :
Vial Number: 6
Quant File :050102.RES (Chemstation Integrator)



Data File : C:\MSDCHEM\1\DATA\051702\11379.D
Acq On : 17 May 2002 4:51 pm
Sample : 5/15 ad
Misc :
MS Integration Params: LSCINT.e

Vial: 6
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

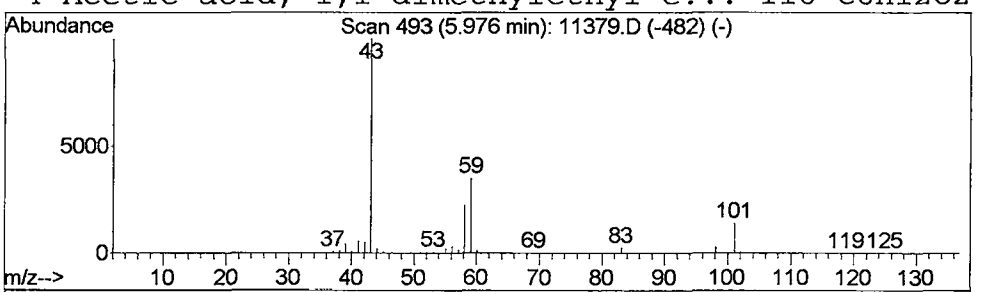
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

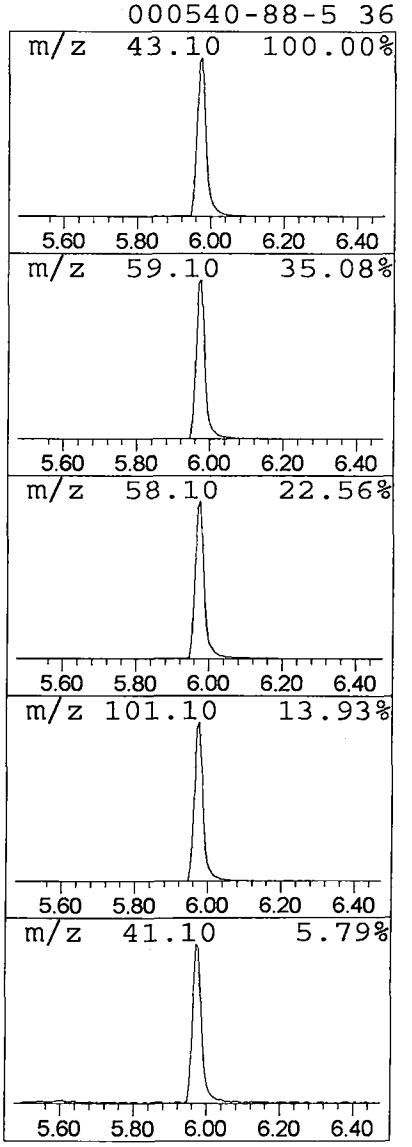
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.98	17.32 ug/L	15887000	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	90
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	36





Data File : C:\MSDCHEM\1\DATA\051702\11379.D Vial: 6
Acq On : 17 May 2002 4:51 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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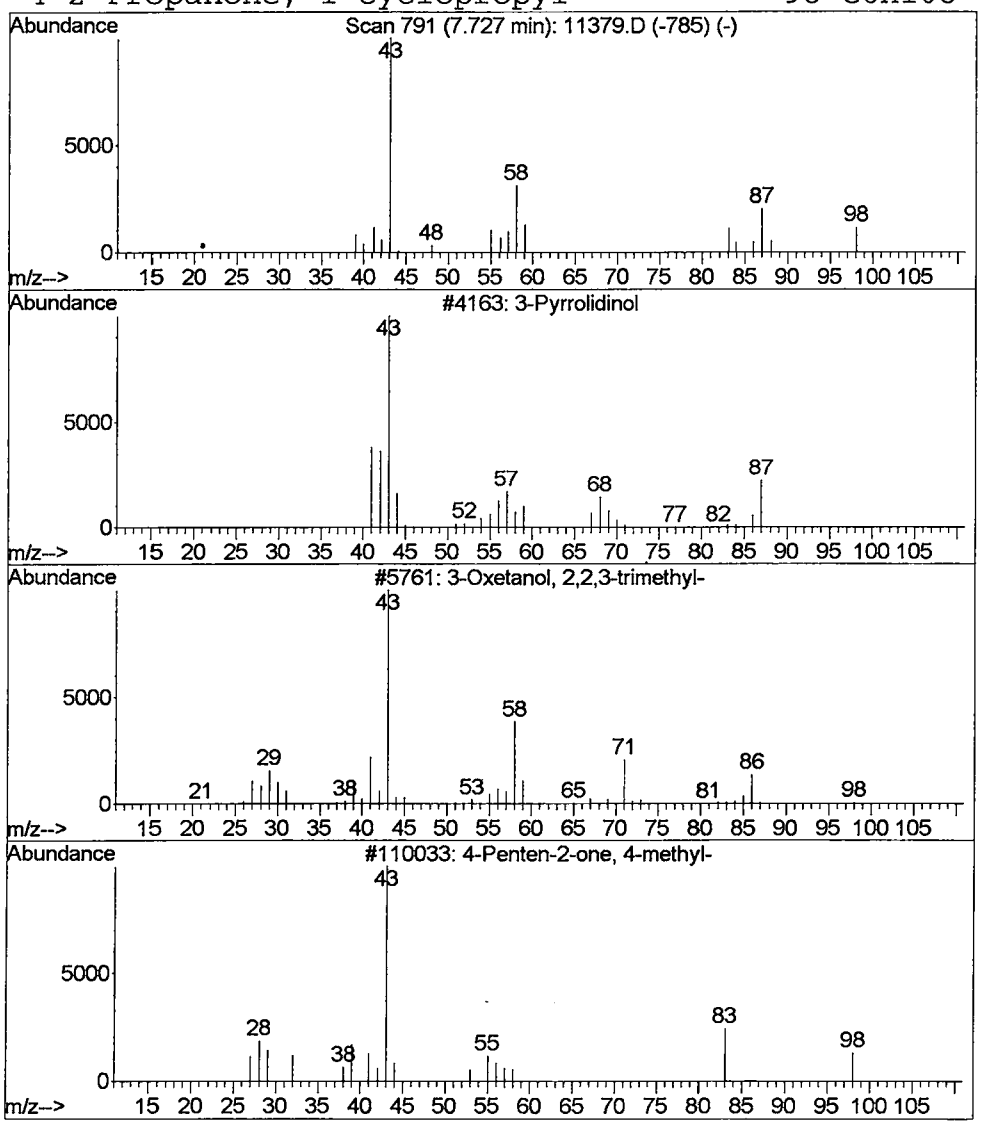
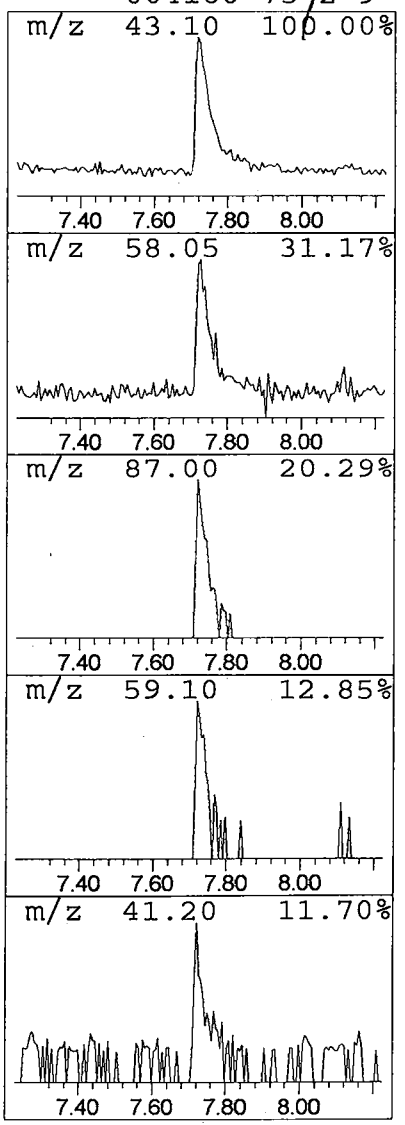
Peak Number 2 3-Pyrrolidinol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	0.37 ug/L	341765	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pyrrolidinol	87	C4H9NO	040499-83-0	16
2	3-Oxetanol, 2,2,3-trimethyl-	116	C6H12O2	025910-96-7	12
3	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	10
4	2-Propanone, 1-cyclopropyl-	98	C6H10O	004160-75-2	9





Data File : C:\MSDCHEM\1\DATA\051702\11379.D Vial: 6
Acq On : 17 May 2002 4:51 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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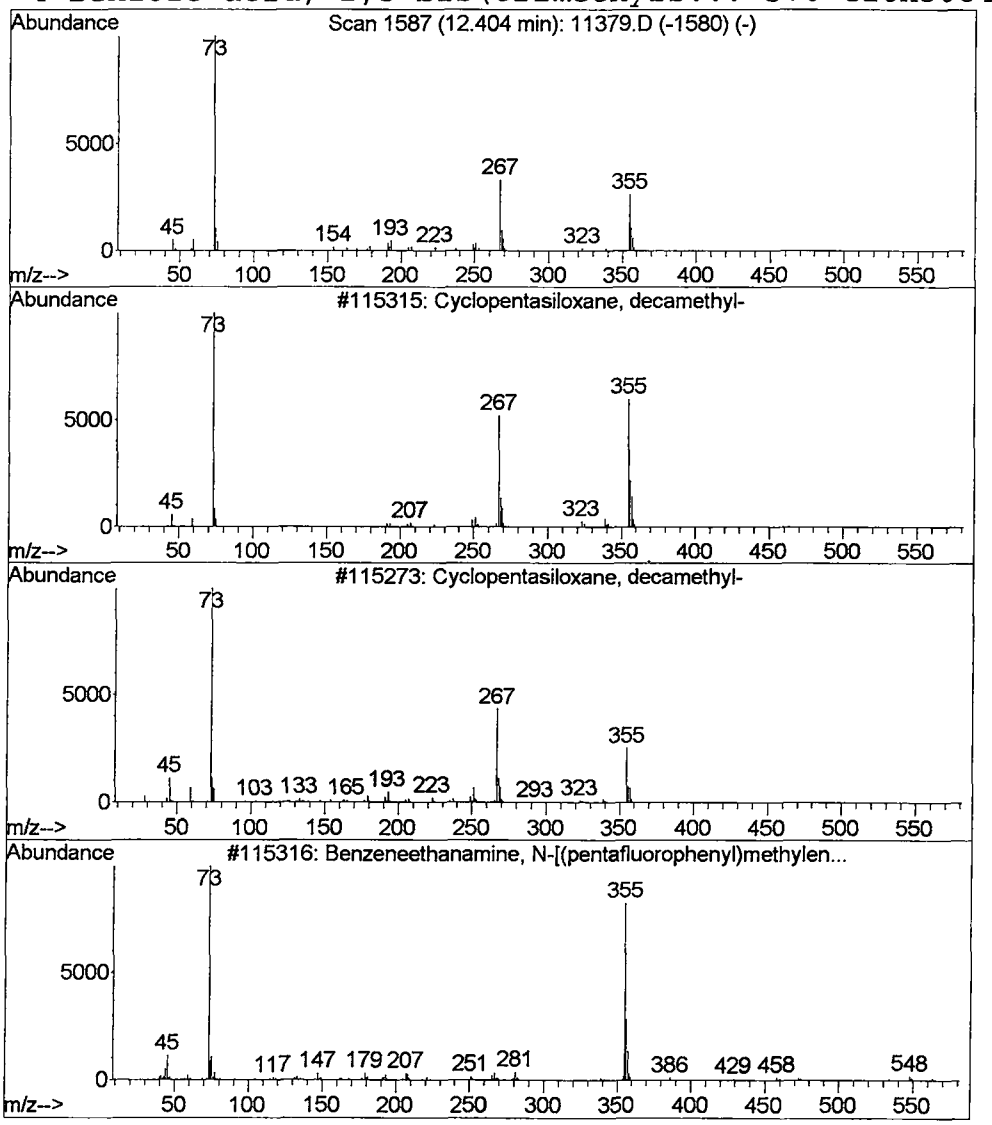
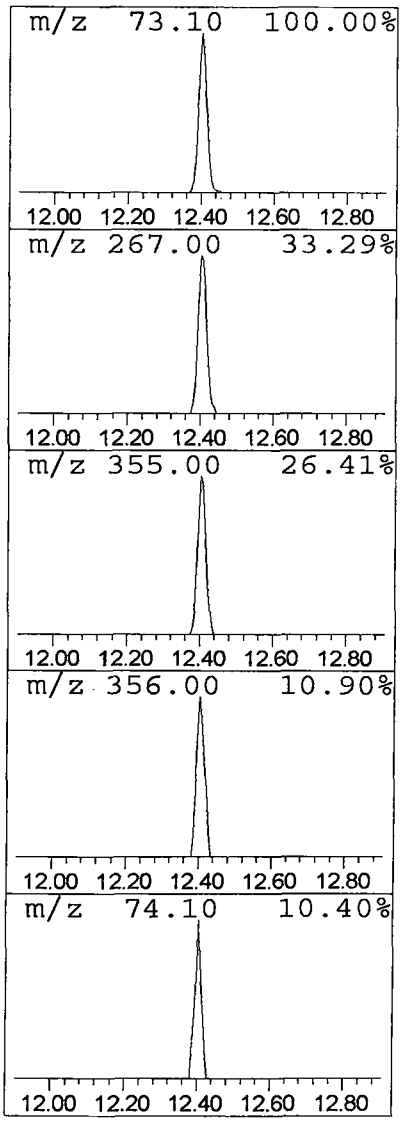
Peak Number 3 Cyclopentasiloxane, decamet... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	0.51 ug/L	629667	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	87
3	Benzeneethanamine, N-[(pentafluo...	563	C24H34F5NO3Si3	055429-13-5	38
4	Benzoic acid, 2,5-bis(trimethyls...	370	C16H30O4Si3	003618-20-0	37





Data File : C:\MSDCHEM\1\DATA\051702\11379.D Vial: 6
Acq On : 17 May 2002 4:51 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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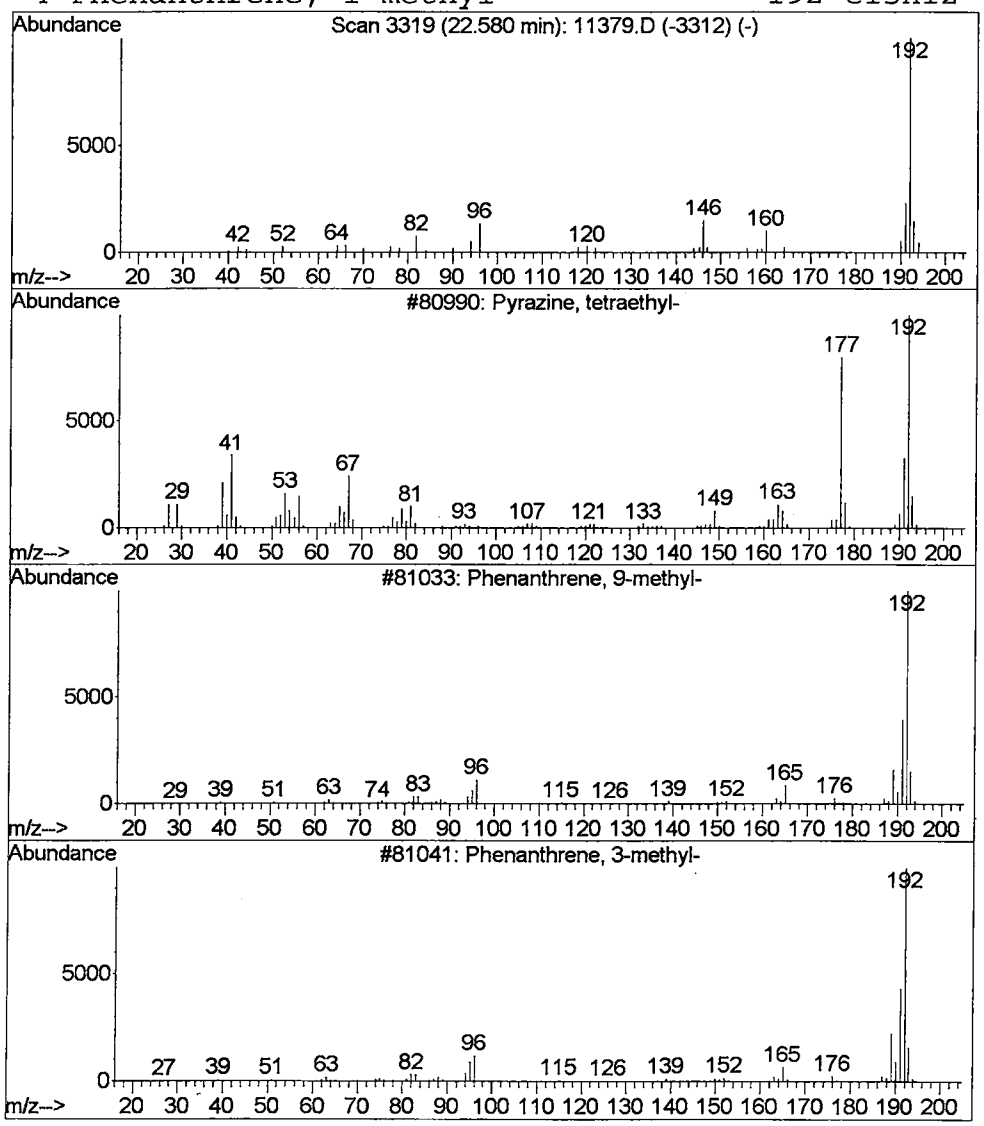
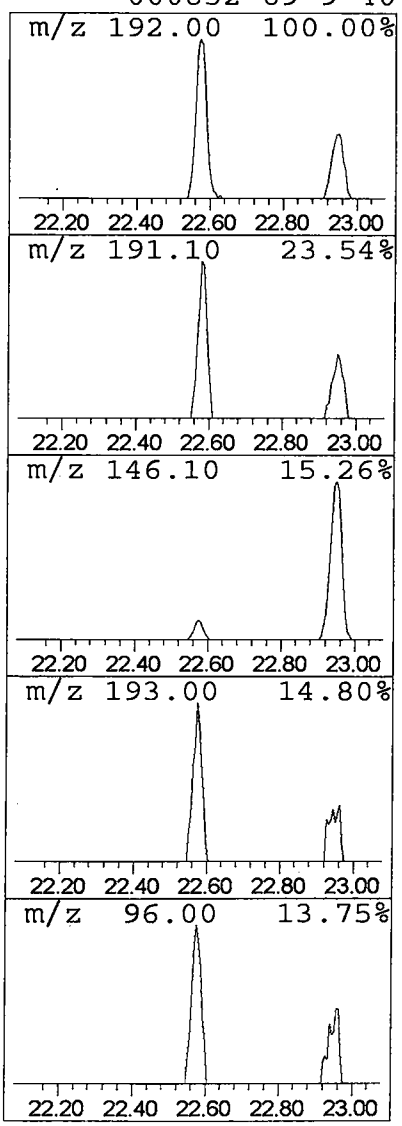
Peak Number 4 Pyrazine, tetraethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.30 ug/L	396743	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrazine, tetraethyl-	192	C12H20N2	038325-19-8	45
2	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	42
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	40
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	40





Data File : C:\MSDCHEM\1\DATA\051702\11379.D Vial: 6
Acq On : 17 May 2002 4:51 pm Operator: Mclean
Sample : 5/15 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

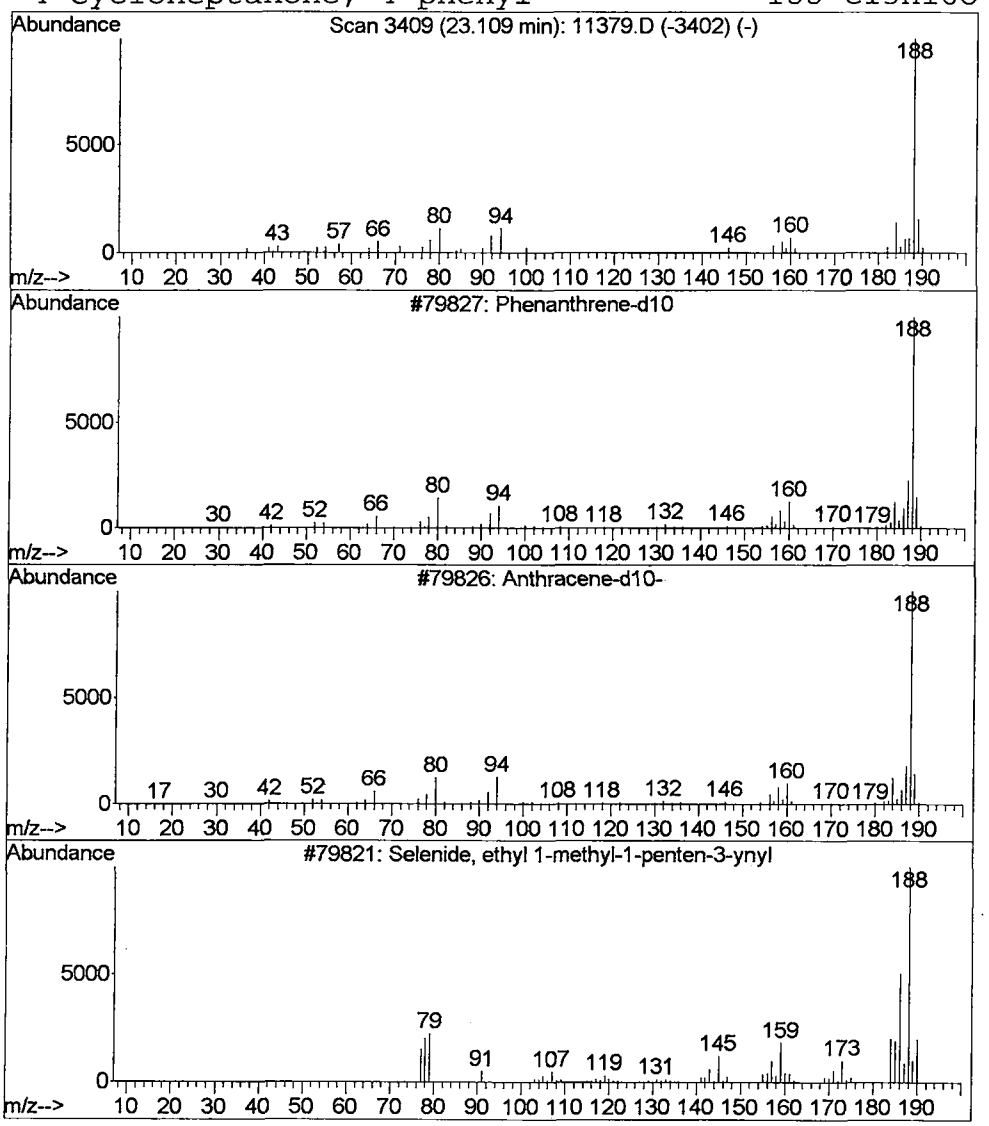
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

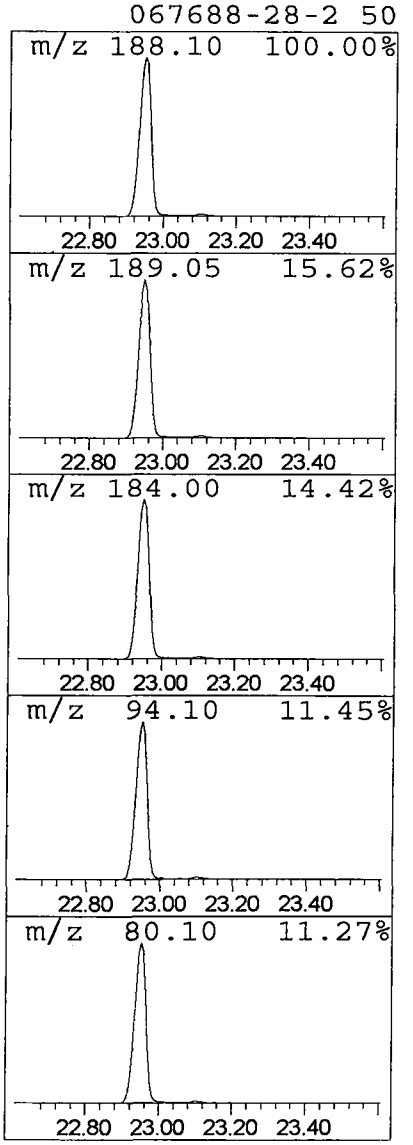
****

Peak Number 5 Phenanthrene-d10 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.40 ug/L	528786	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene-d10	188	C14D10	001517-22-2	91
2	Anthracene-d10-	188	C14D10	001719-06-8	91
3	Selenide, ethyl 1-methyl-1-pente...	188	C8H12Se	025128-48-7	53
4	Cycloheptanone, 4-phenyl-	188	C13H16O	067688-28-2	50





Tentatively Identified Compound (TIC) Summary

Operator ID: Mclean Date Acquired: 17 May 2002 4:51 pm
Data File: C:\MSDCHEM\1\DATA\051702\11379.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...	5.98	17.3	ug/L	15887000	1	9.94	36693600	40.0
3-Pyrrolidinol	7.73	0.4	ug/L	341765	1	9.94	36693600	40.0
Cyclopentasiloxan...	12.41	0.5	ug/L	629667	2	13.43	49186400	40.0
Pyrazine, tetraet...	22.58	0.3	ug/L	396743	4	22.95	52324000	40.0
Phenanthrene-d10	23.11	0.4	ug/L	528786	4	22.95	52324000	40.0