User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/20/2002 Time: 14:33:41

Sample: AE10814
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/20/02 14:33 Ended: 5/20/02 14:33 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		98		10.0

Comments for Sample AE10814 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-20-2002 Time: 14:34:01

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.

Data File : C:\MSDCHEM\1\DATA\051402\10814.D Vial: 24
Acq On : 15 May 2002 9:06 am Operator: Mclean
Sample : 5/7 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 16 14:16:06 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Thu May 16 12:34:41 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	6107187	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	24132809	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	12982070	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	18702640	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	12830298	40.00	ug/L	0.00
43) Perylene-d12	34.71	264	7180989	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.54	209	774244	9.82	ug/L	0.00
Spiked Amount 10.000			Recovery = 98.20%			
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	0.00	77	0	N.D.		
30) Nnitrosodiphenylamine	0.00	169	0	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	25.10	149	20633	N.D.		

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

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Title : 508 Modified GC/MS scan
Last Update : Thu May 16 12:34:41 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	31615	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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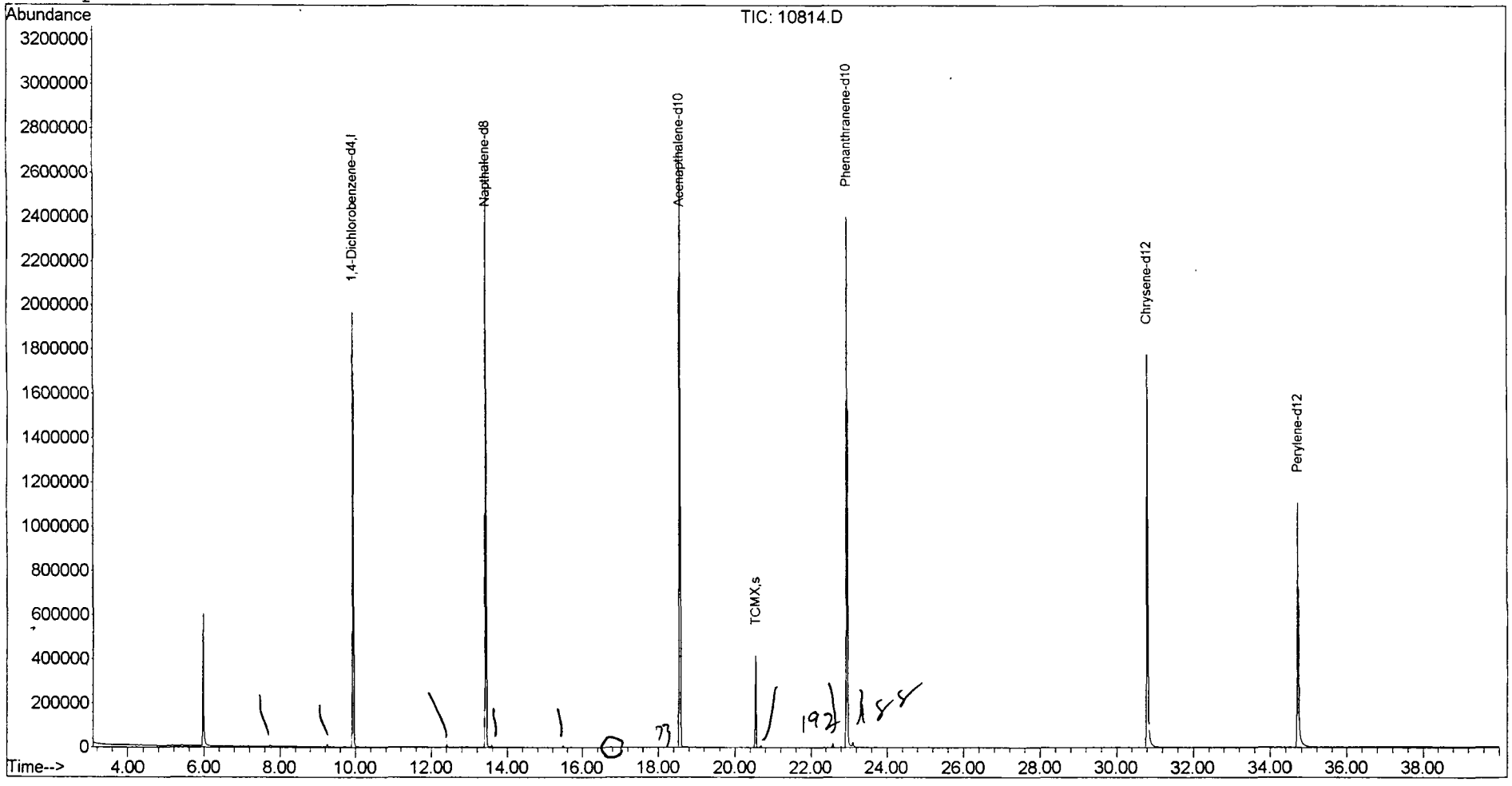
Quant Time: May 16 14:16 2002 Quant Results File: 050102.RES

Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Thu May 16 12:34:41 2002
Response via : Initial Calibration



Data File : C:\MSDCHEM\1\DATA\051402\10814.D Vial: 24
Acq On : 15 May 2002 9:06 am Operator: Mclean
Sample : 5/7 kb 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

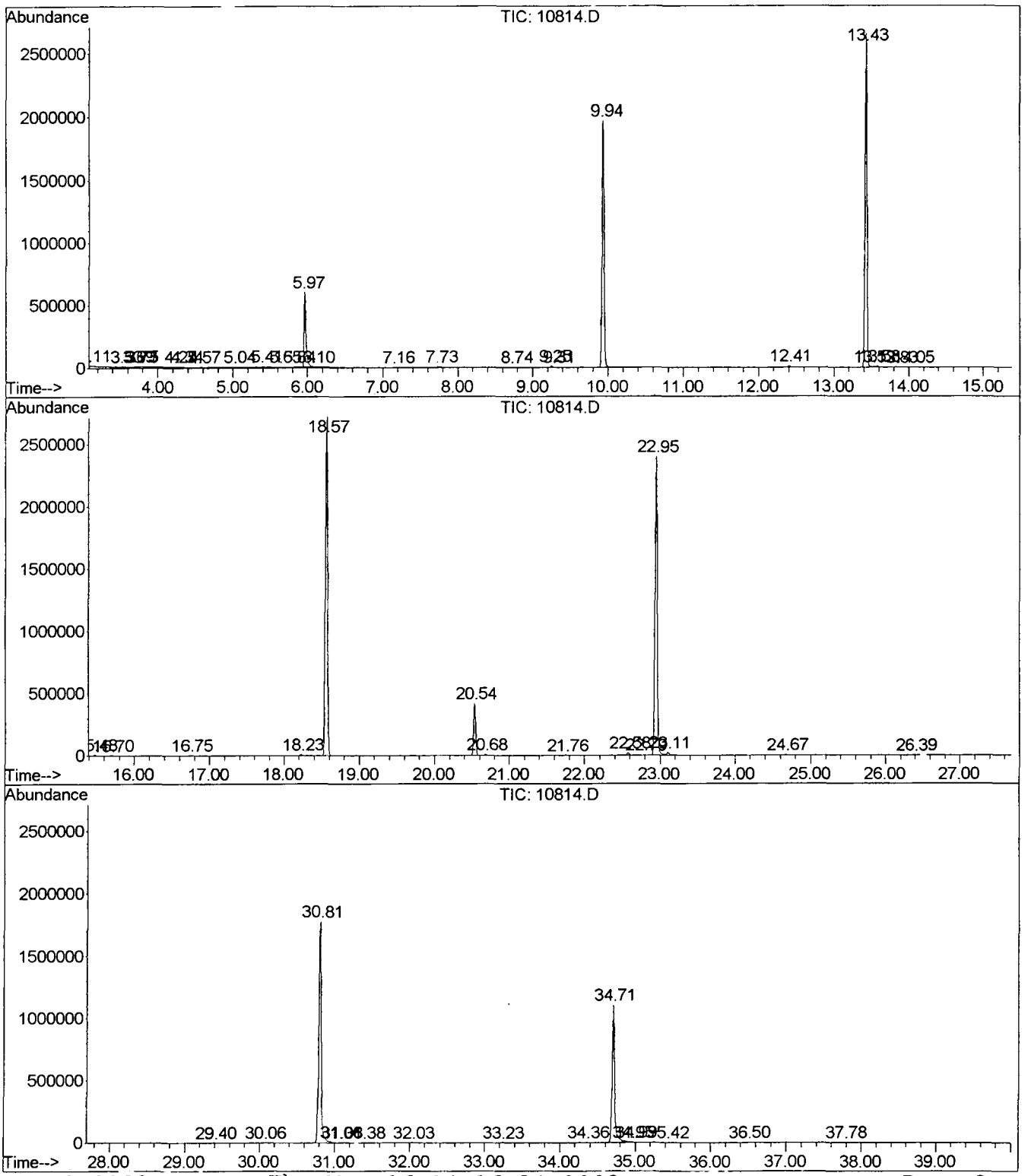
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.114	3	6	16	BV 5	2453	50536	0.09%	0.018%
2	3.532	73	77	89	PV 8	2474	57882	0.11%	0.021%
3	3.696	96	105	106	VV 5	2950	62956	0.12%	0.023%
4	3.731	106	111	113	VV 6	2901	58053	0.11%	0.021%
5	3.749	113	114	117	VV 2	2856	34396	0.06%	0.012%
6	4.248	195	199	203	VV 4	3321	55673	0.10%	0.020%
7	4.337	203	214	218	VV 7	3920	107801	0.20%	0.039%
8	4.572	250	254	258	PV 6	1687	19964	0.04%	0.007%
9	5.042	329	334	339	PV 6	1847	31286	0.06%	0.011%
10	5.406	392	396	413	VV 3	4920	123516	0.23%	0.044%
11	5.653	433	438	446	VV 9	2350	75114	0.14%	0.027%
12	5.841	466	470	480	VV 6	2243	41496	0.08%	0.015%
13	5.970	484	492	513	VV	592286	10399297	19.54%	3.731%
14	6.099	513	514	516	VV 2	1414	10608	0.02%	0.004%
15	7.163	690	695	703	PV 4	2789	57436	0.11%	0.021%
16	7.733	784	792	804	VV 3	6058	178936	0.34%	0.064%
17	8.743	958	964	971	VV 8	1981	42105	0.08%	0.015%
18	9.254	1043	1051	1056	PV	12246	197626	0.37%	0.071%
19	9.307	1056	1060	1070	VV 5	1952	38960	0.07%	0.014%
20	9.936	1153	1167	1187	PV	1961727	36856274	69.23%	13.224%
21	12.404	1577	1587	1607	PV	12730	219058	0.41%	0.079%
22	13.432	1751	1762	1776	PV	2645244	49307210	92.62%	17.691%
23	13.520	1776	1777	1782	VV 3	3382	47183	0.09%	0.017%
24	13.585	1782	1788	1794	VV 2	9325	173240	0.33%	0.062%
25	13.831	1817	1830	1841	VV 6	2205	58753	0.11%	0.021%
26	14.049	1862	1867	1874	PV 5	1705	27841	0.05%	0.010%
27	15.482	2102	2111	2121	VV 2	9093	149828	0.28%	0.054%
28	15.700	2135	2148	2157	PV 5	1932	54060	0.10%	0.019%
29	16.746	2321	2326	2335	PV 5	4054	92426	0.17%	0.033%
30	18.232	2573	2579	2585	VV 2	10530	160800	0.30%	0.058%
31	18.567	2624	2636	2667	BV	2683385	53233957	100.00%	19.100%
32	20.535	2954	2971	2981	BV	410509	7496810	14.08%	2.690%
33	20.682	2989	2996	3009	VV 2	8839	129227	0.24%	0.046%
34	21.758	3173	3179	3189	PV 3	2004	40891	0.08%	0.015%
35	22.580	3310	3319	3330	PV	19988	358613	0.67%	0.129%
36	22.792	3349	3355	3366	VV 2	4642	71932	0.14%	0.026%
37	22.956	3370	3383	3402	PV 2	2389457	51020762	95.84%	18.306%

39	24.672	3966	3973	3985	PV	5	3598	56970	0.11%	0.020%
40	26.393	3961	3968	3974	PV	5	2225	36818	0.07%	0.013%
41	29.396	4472	4479	4486	PV	4	1860	31676	0.06%	0.011%
42	30.066	4590	4593	4600	VV	5	1861	28070	0.05%	0.010%
43	30.806	4705	4719	4761	PV	2	1760945	39669182	74.52%	14.233%
44	31.065	4761	4763	4765	VV	3	1814	17185	0.03%	0.006%
45	31.082	4765	4766	4771	VV	5	1523	16629	0.03%	0.006%
46	31.382	4810	4817	4835	BV	6	2337	53870	0.10%	0.019%
47	32.034	4916	4928	4933	PV	3	1882	34526	0.06%	0.012%
48	33.233	5124	5132	5143	VV	5	2141	50154	0.09%	0.018%
49	34.361	5318	5324	5329	PV	4	2183	46633	0.09%	0.017%
50	34.707	5368	5383	5424	VV	2	1104342	26484214	49.75%	9.502%
51	34.954	5424	5425	5429	VV	4	5176	76543	0.14%	0.027%
52	34.989	5429	5431	5439	VV	7	3522	112577	0.21%	0.040%
53	35.418	5491	5504	5509	VV	7	2886	91940	0.17%	0.033%
54	36.494	5680	5687	5693	VV	6	2879	72580	0.14%	0.026%
55	37.780	5899	5906	5912	VV	6	2400	49977	0.09%	0.018%

Sum of corrected areas: 278714858

File : C:\MSDCHEM\1\DATA\051402\10814.D
Operator : Mclean
Acquired : 15 May 2002 9:06 am using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/7 kb
Misc Info :
Vial Number: 24
Quant File :050102.RES (Chemstation Integrator)



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Acq On : 15 May 2002 9:06 am Operator: Mclean
Sample : 5/7 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

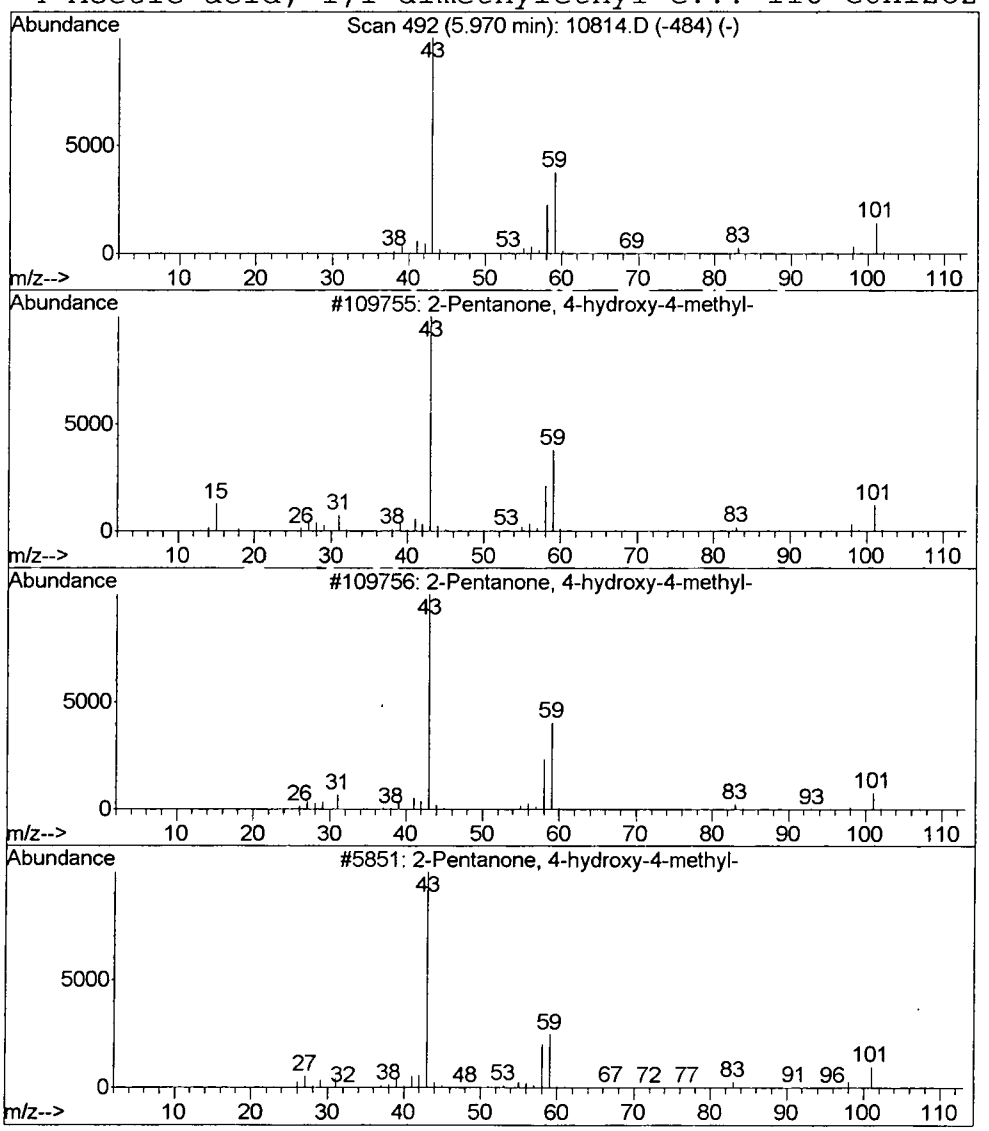
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

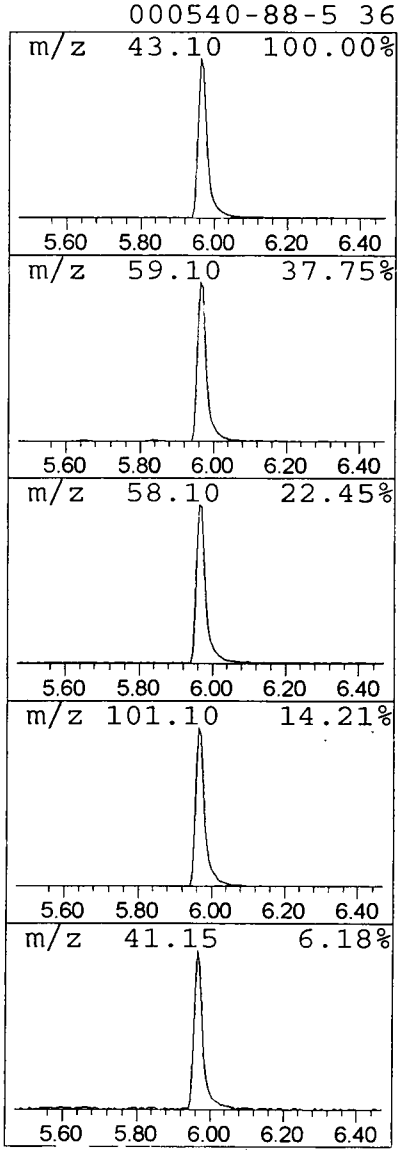
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	11.29 ug/L	10399300	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	72
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





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Acq On : 15 May 2002 9:06 am Operator: Mclean
Sample : 5/7 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

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Title : 508 Modified GC/MS scan
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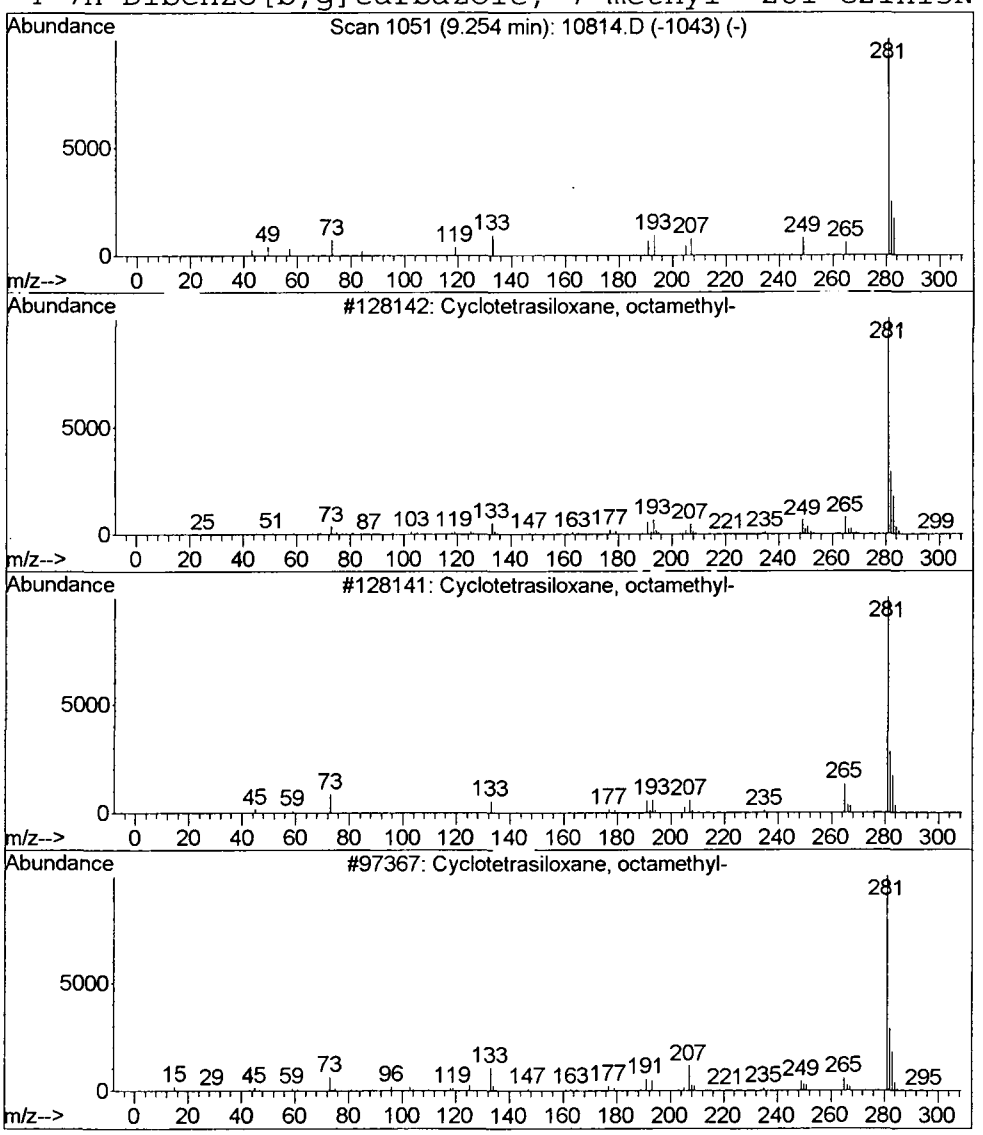
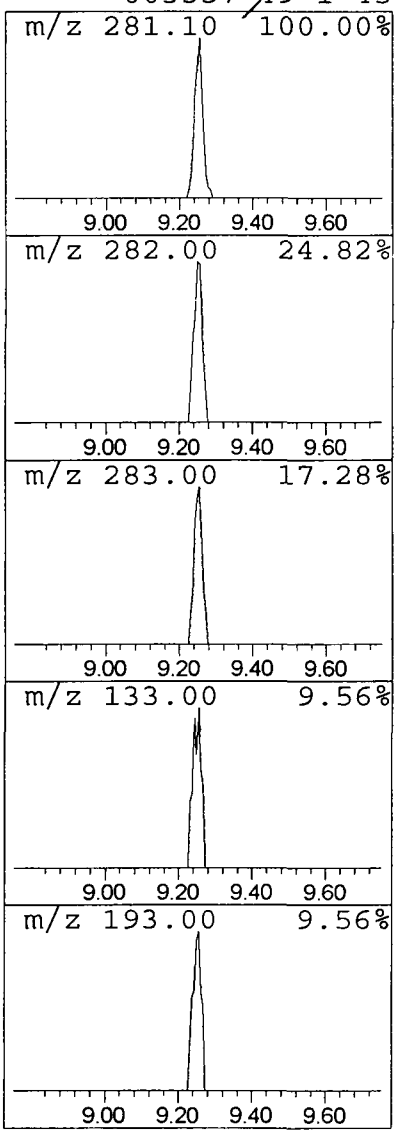
****

Peak Number 2 Cyclotetrasiloxane, octamet... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	0.21 ug/L	197626	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	78
2	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	78
3	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	72
4	7H-Dibenzo[b,g]carbazole, 7-methyl-	281	C21H15N	003557-49-1	45





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Acq On : 15 May 2002 9:06 am Operator: Mclean
Sample : 5/7 kb 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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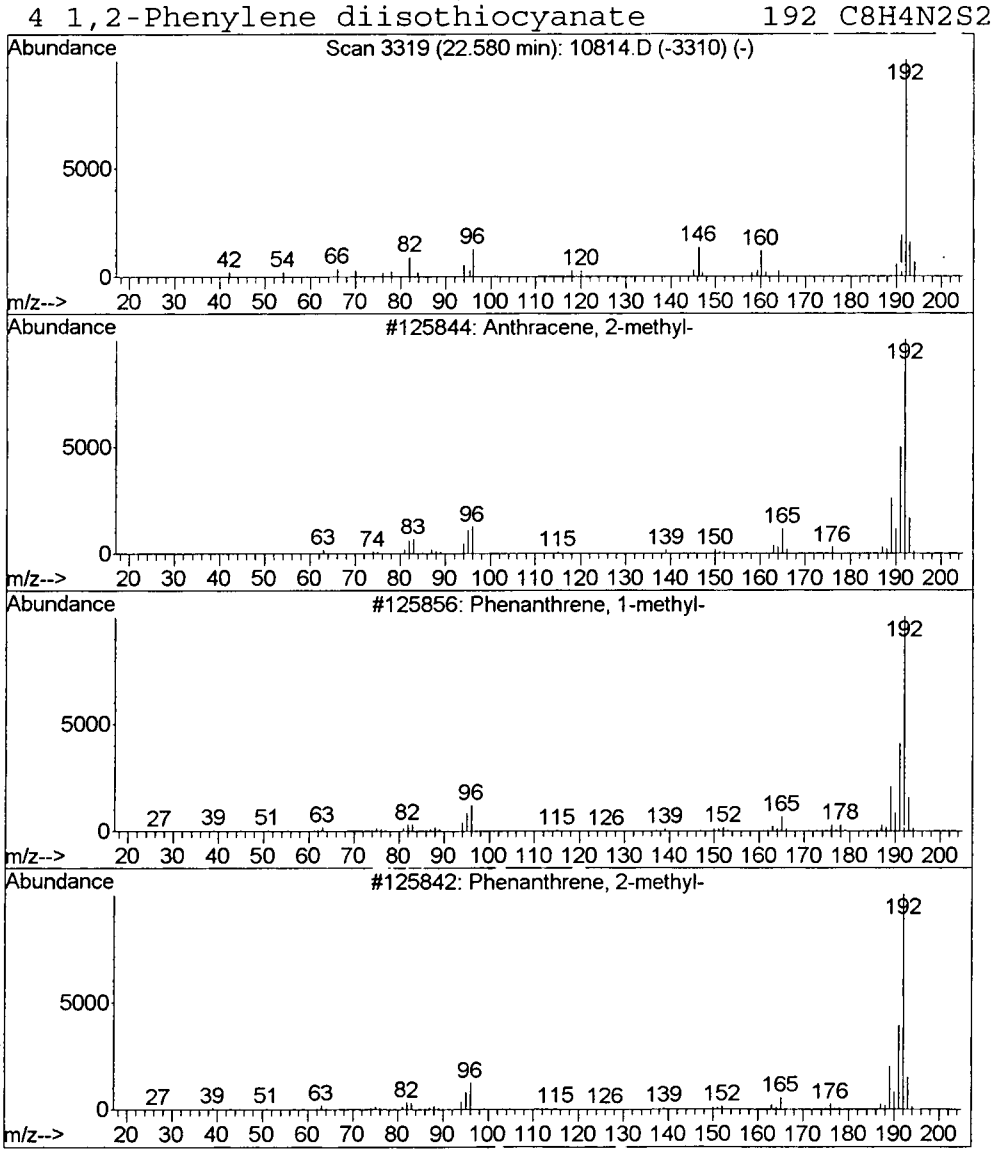
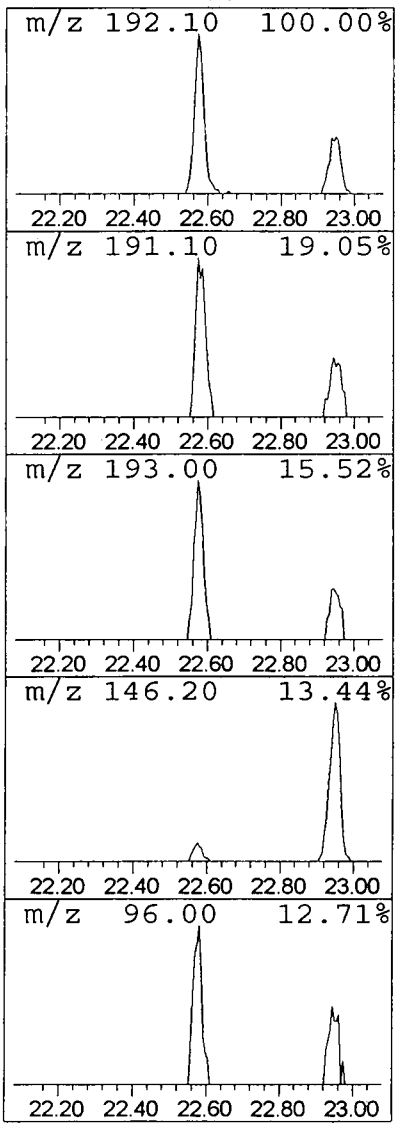
Peak Number 3 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.28 ug/L	358613	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	50
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	42
4	1,2-Phenylene diisothiocyanate	192	C8H4N2S2	071105-17-4	42





Data File : C:\MSDCHEM\1\DATA\051402\10814.D Vial: 24
Acq On : 15 May 2002 9:06 am Operator: Mclean
Sample : 5/7 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

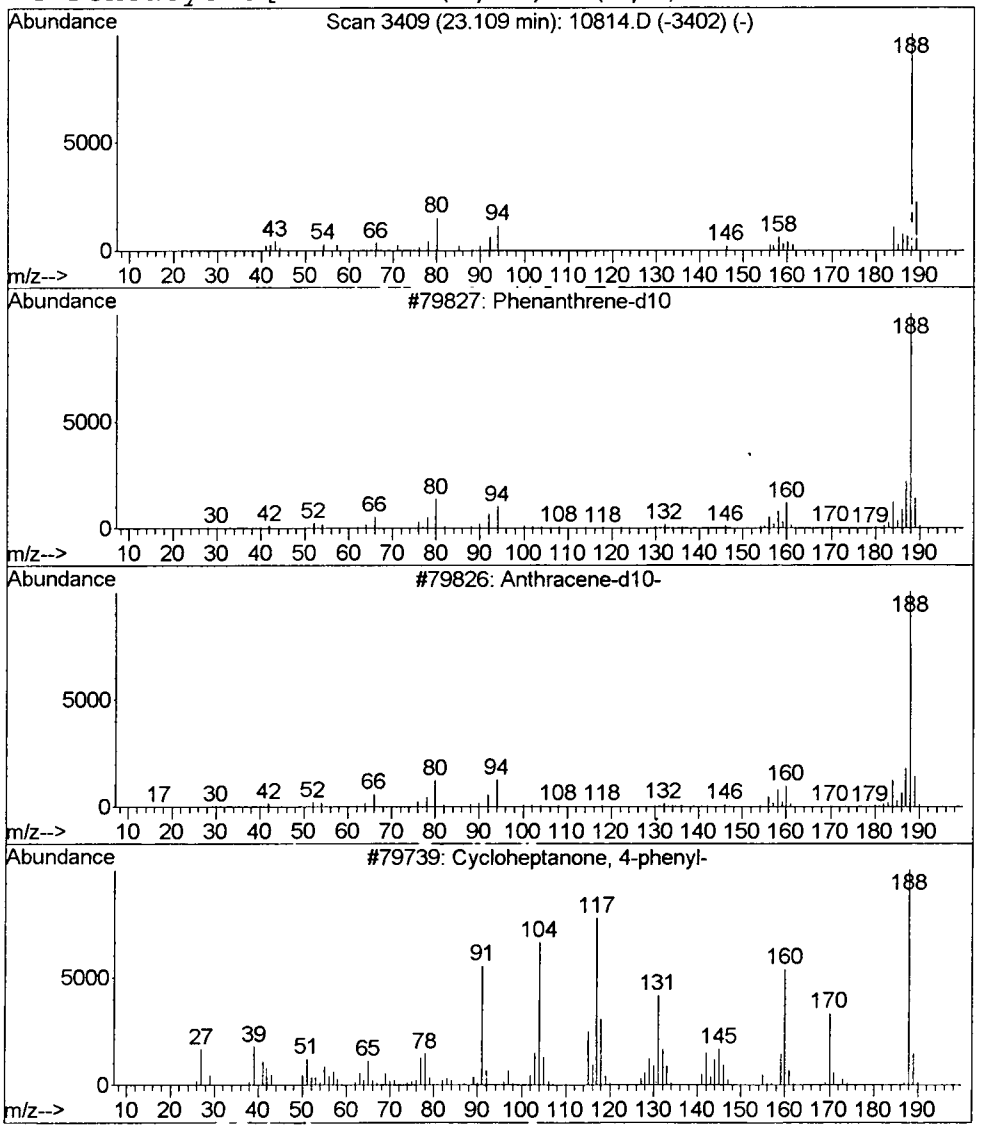
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

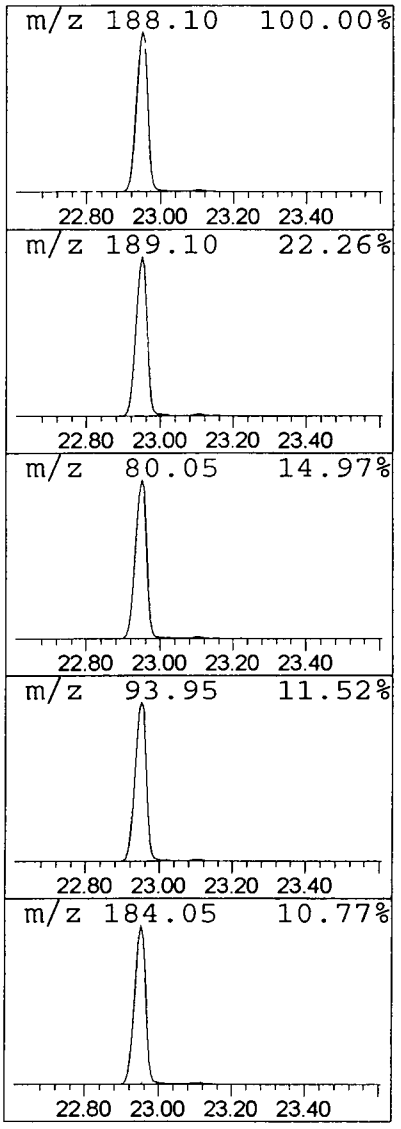
****

Peak Number 4 Phenanthrene-d10 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.50 ug/L	642809	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene-d10	188	C14D10	001517-22-2	74
2	Anthracene-d10-	188	C14D10	001719-06-8	45
3	Cycloheptanone, 4-phenyl-	188	C13H16O	067688-28-2	37
4	Pentacyclo[7.3.1.1.(4,12).0(2,7)...	188	C14H20	1000215-61-8	36





Operator ID: Mclean Date Acquired: 15 May 2002 9:06 am
Data File: C:\MSDCHEM\1\DATA\051402\10814.D
Name: 5/7 kb
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-Pentanone, 4-hy...	5.97	11.3	ug/L	10399300	1	9.94	36856300	40.0
Cyclotetrasiloxan...	9.25	0.2	ug/L	197626	1	9.94	36856300	40.0
Anthracene, 2-met...	22.58	0.3	ug/L	358613	4	22.95	51020800	40.0
Phenanthrene-d10	23.11	0.5	ug/L	642809	4	22.95	51020800	40.0