User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/28/2002 Time: 15:23:11

Sample: AE11416
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/28/02 15:22 Ended: 5/28/02 15:22 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		105		10.0

Comments for Sample AE11416 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-28-2002 Time: 15:23:27

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051702\11416.D Vial: 25
Acq On : 18 May 2002 9:10 am Operator: Mclean
Sample : 5/15 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 20 09:52:46 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	4128606	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	16479513	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	9039226	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	13009940	40.00	ug/L	0.00
37) Chrysene-d12	30.80	240	9379090	40.00	ug/L	0.00
43) Perylene-d12	34.70	264	5782047	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.55	209	2302754	41.96	ug/L	0.00
Spiked Amount 40.000			Recovery = 104.90%			
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	40879	N.D.		
30) Nnitrosodiphenylamine	20.54	169	42543	0.27	ug/L #	62
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

Quantitation Report (QT Reviewed)

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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
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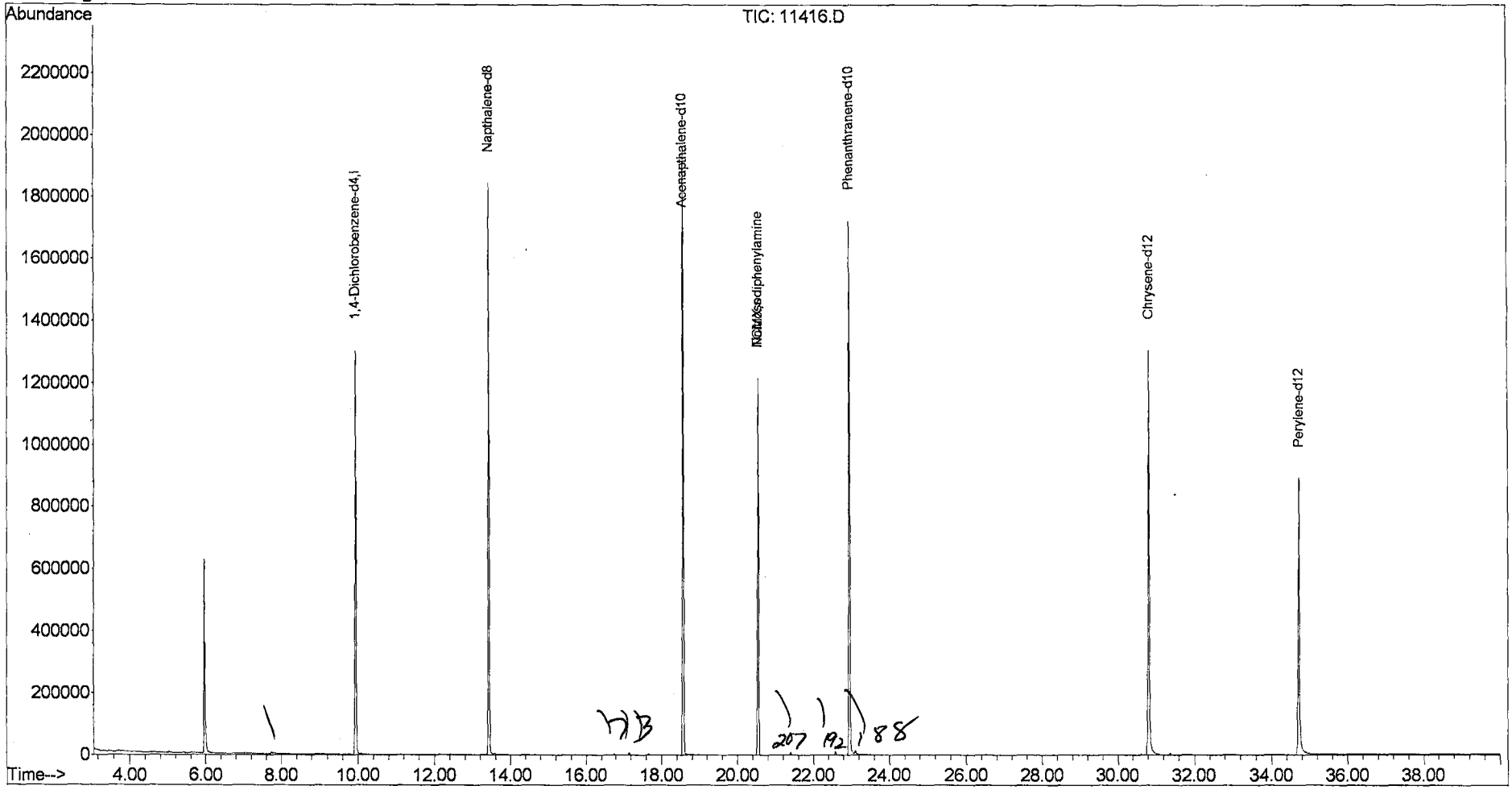
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Fluoroanthene	0.00	202	0	N.D.	
38)	Pyrene	0.00	202	0	N.D.	
39)	Butylbenzylphthalate	0.00	149	0	N.D.	
40)	Benzo(a)anthracene	0.00	228	0	N.D.	
41)	Bis(2-ethylhexyl)phthalate	31.38	149	25027	N.D.	
42)	Chrysene	0.00	228	0	N.D.	
44)	Di-n-octylphthalate	0.00	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\11416.D Vial: 25
Acq On : 18 May 2002 9:10 am Operator: Mclean
Sample : 5/15 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 20 9:52 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\11416.D Vial: 25
Acq On : 18 May 2002 9:10 am Operator: Mclean
Sample : 5/15 eh 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

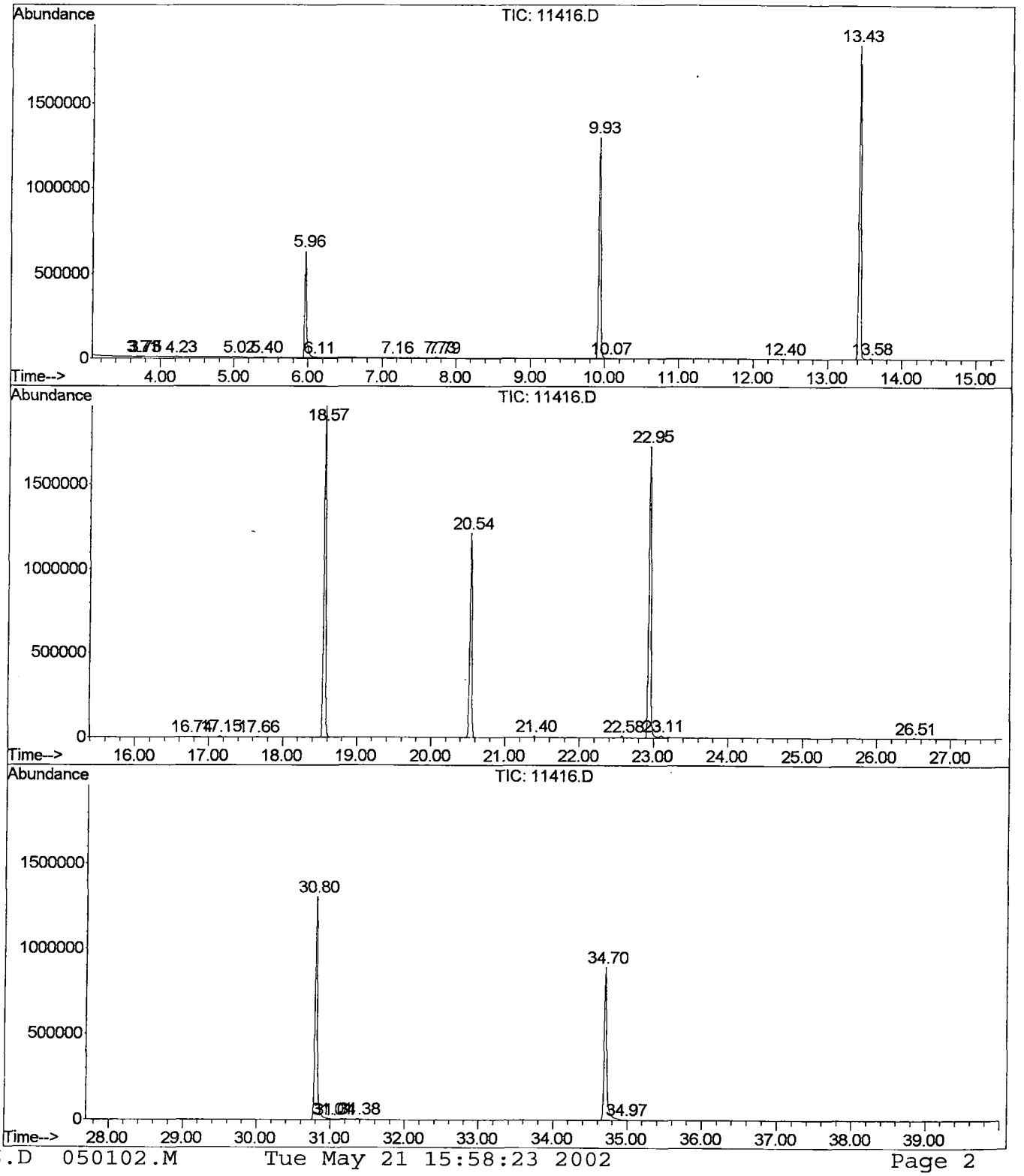
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.708	96	107	110	PV 5	3974	105343	0.29%	0.048%
2	3.731	110	111	112	VV	3399	34011	0.09%	0.016%
3	3.749	112	114	116	VV 3	3692	41224	0.11%	0.019%
4	4.231	193	196	199	VV 4	2148	29206	0.08%	0.013%
5	5.024	327	331	337	PV 2	2996	61701	0.17%	0.028%
6	5.394	391	394	397	VV 5	2074	28362	0.08%	0.013%
7	5.964	483	491	514	PV	628355	11335715	30.68%	5.219%
8	6.105	514	515	522	VV 5	1960	31295	0.08%	0.014%
9	7.157	687	694	706	BV 9	1839	46242	0.13%	0.021%
10	7.733	788	792	801	VV 3	5534	152867	0.41%	0.070%
11	7.791	801	802	808	VV 4	2539	39332	0.11%	0.018%
12	9.930	1157	1166	1184	PV	1286903	24680939	66.80%	11.363%
13	10.065	1184	1189	1197	VV 7	2386	55398	0.15%	0.026%
14	12.404	1583	1587	1594	VV 3	2194	38727	0.10%	0.018%
15	13.426	1751	1761	1782	PV	1817518	33636015	91.04%	15.486%
16	13.579	1782	1787	1796	VV 2	6139	117541	0.32%	0.054%
17	16.746	2321	2326	2331	PV 3	2410	35719	0.10%	0.016%
18	17.151	2386	2395	2401	VV 4	6454	112954	0.31%	0.052%
19	17.657	2478	2481	2487	VV 4	3051	44954	0.12%	0.021%
20	18.567	2617	2636	2662	PV	1955633	36947751	100.00%	17.011%
21	20.547	2961	2973	2989	PV	1199122	22863920	61.88%	10.526%
22	21.399	3110	3118	3123	VV 2	8853	138991	0.38%	0.064%
23	22.574	3311	3318	3327	PV 3	10613	208951	0.57%	0.096%
24	22.950	3366	3382	3402	PV 2	1732026	35579385	96.30%	16.381%
25	23.109	3402	3409	3430	VV 2	12710	392294	1.06%	0.181%
26	26.505	3981	3987	4005	VV 2	1964	39262	0.11%	0.018%
27	30.806	4705	4719	4752	PV 2	1286850	28849441	78.08%	13.282%
28	31.012	4752	4754	4757	VV 2	4102	50038	0.14%	0.023%
29	31.041	4757	4759	4773	VV 3	2653	70739	0.19%	0.033%
30	31.376	4808	4816	4825	BV 4	4641	88072	0.24%	0.041%
31	34.702	5371	5382	5426	PV	878548	21293187	57.63%	9.803%
32	34.972	5426	5428	5441	VV 6	2752	54909	0.15%	0.025%

Sum of corrected areas: 217204485

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\051702\11416.D
Operator : Mclean
Acquired : 18 May 2002 9:10 am using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/15 eh
Misc Info :
Vial Number: 25
Quant File :050102.RES (Chemstation Integrator)



Data File : C:\MSDCHEM\1\DATA\051702\11416.D Vial: 25
Acq On : 18 May 2002 9:10 am Operator: Mclean
Sample : 5/15 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

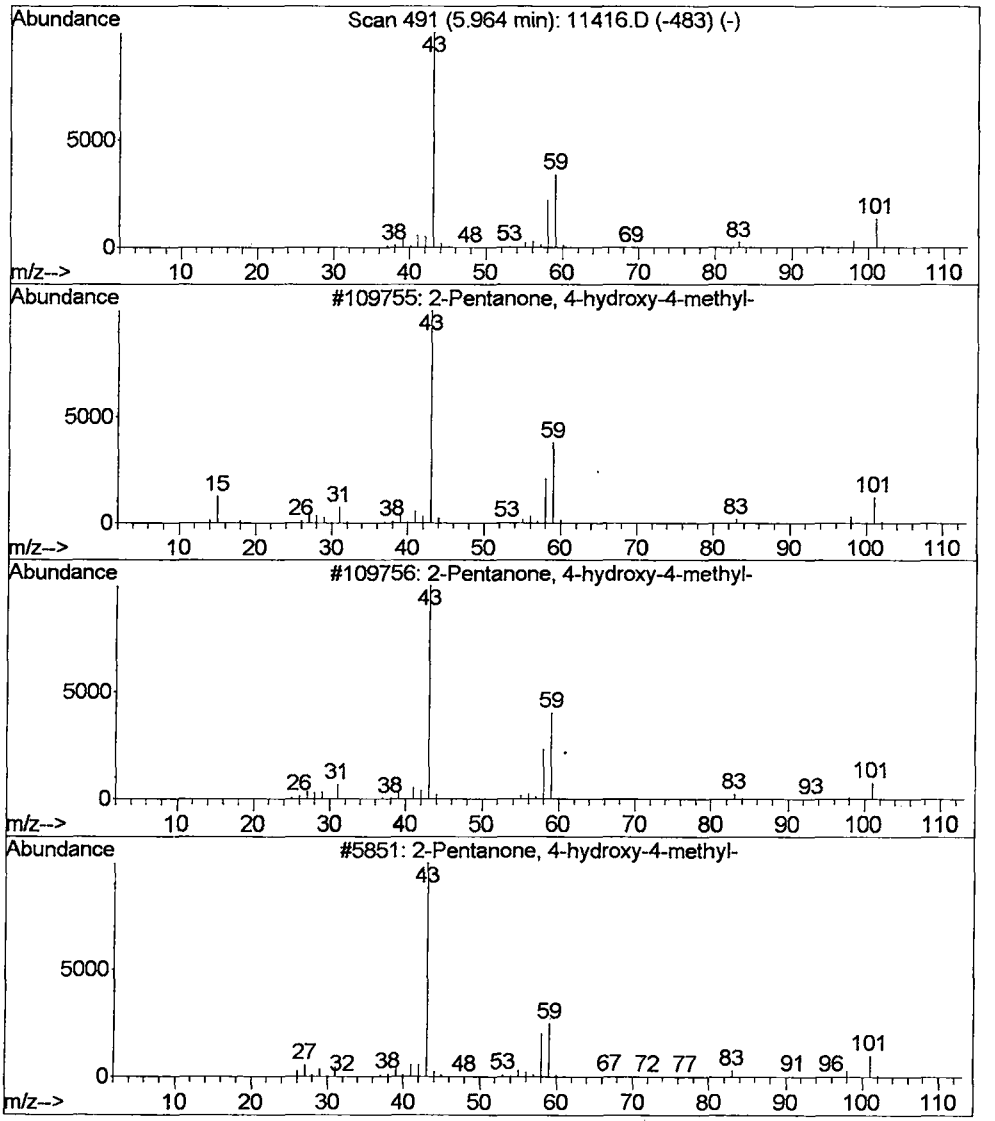
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

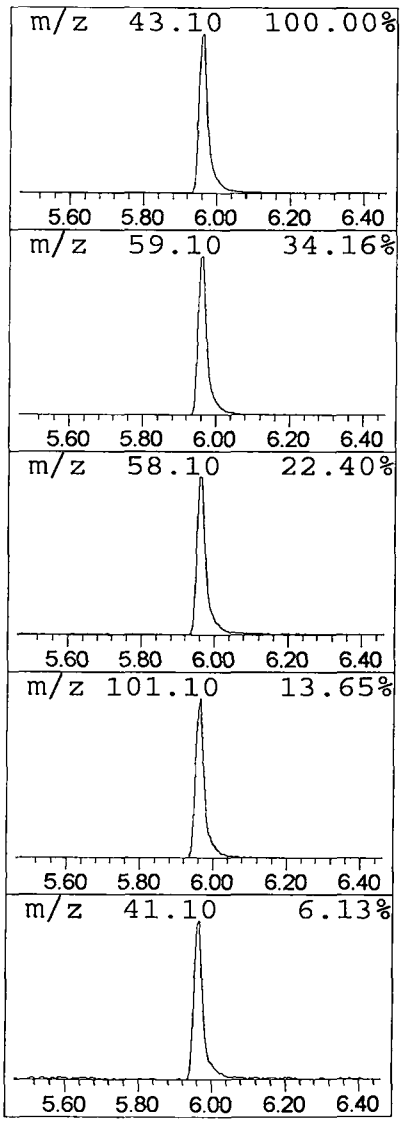
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.96	18.37 ug/L	11335700	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	72
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
4	Acetone	58	C3H6O	000067-64-1	32





Data File : C:\MSDCHEM\1\DATA\051702\11416.D Vial: 25
Acq On : 18 May 2002 9:10 am Operator: Mclean
Sample : 5/15 eh 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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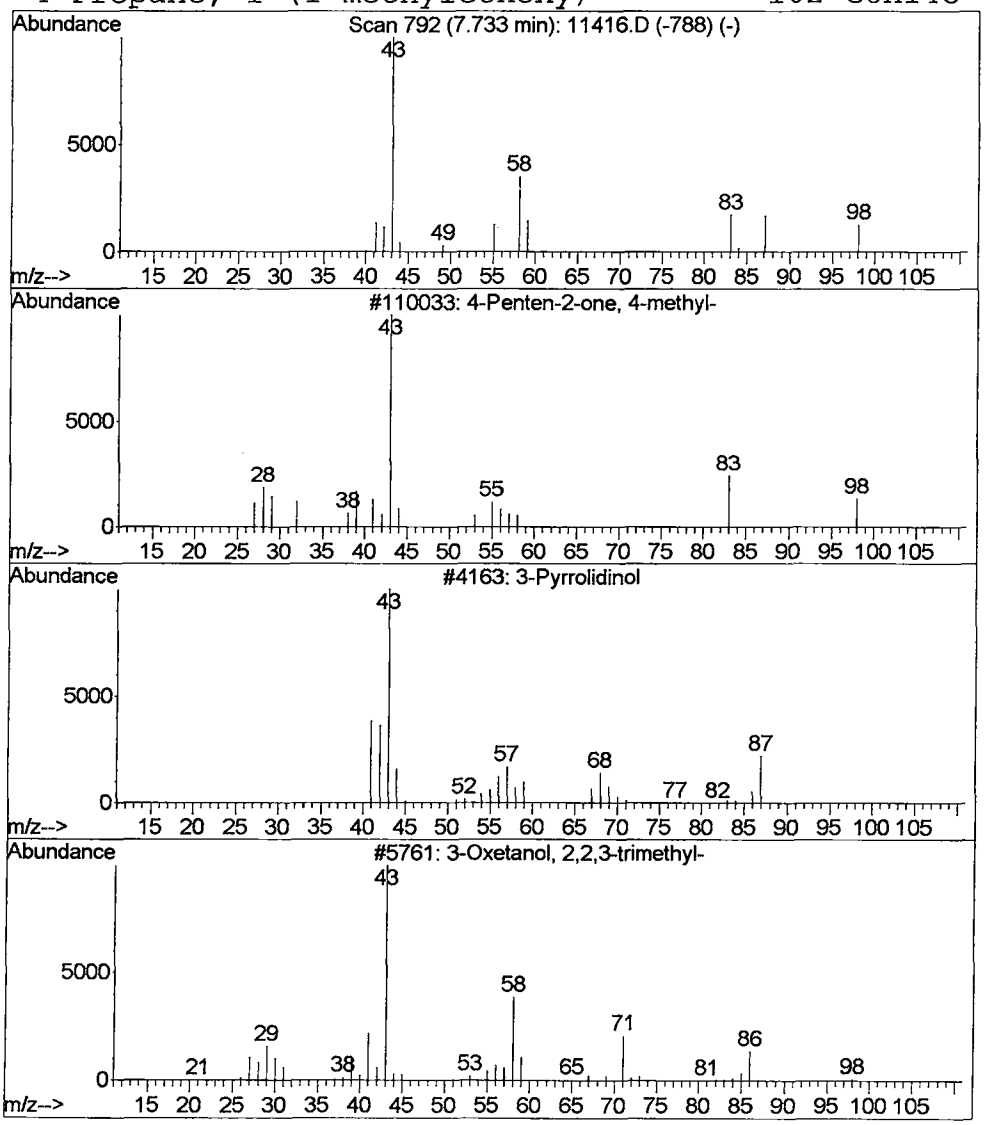
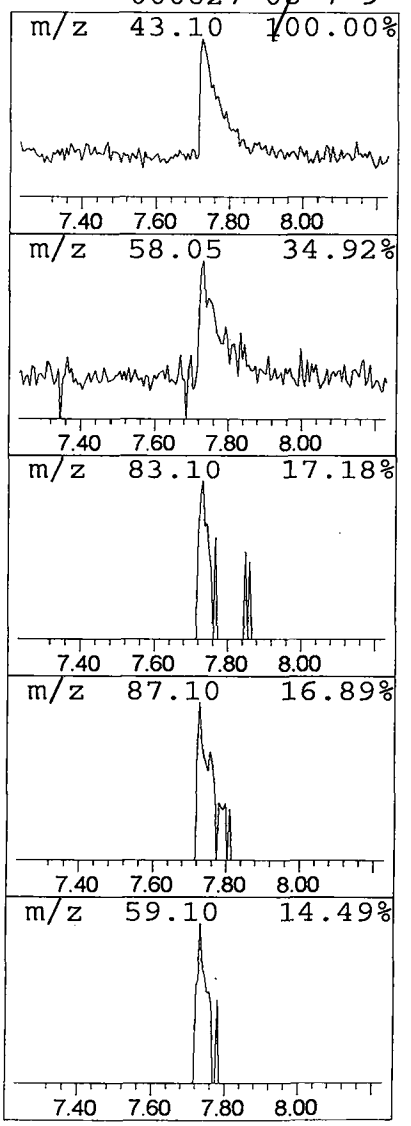
Peak Number 2 4-Penten-2-one, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	0.25 ug/L	152867	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	9
2	3-Pyrrolidinol	87	C4H9NO	040499-83-0	9
3	3-Oxetanol, 2,2,3-trimethyl-	116	C6H12O2	025910-96-7	9
4	Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	9





Data File : C:\MSDCHEM\1\DATA\051702\11416.D Vial: 25
Acq On : 18 May 2002 9:10 am Operator: Mclean
Sample : 5/15 eh 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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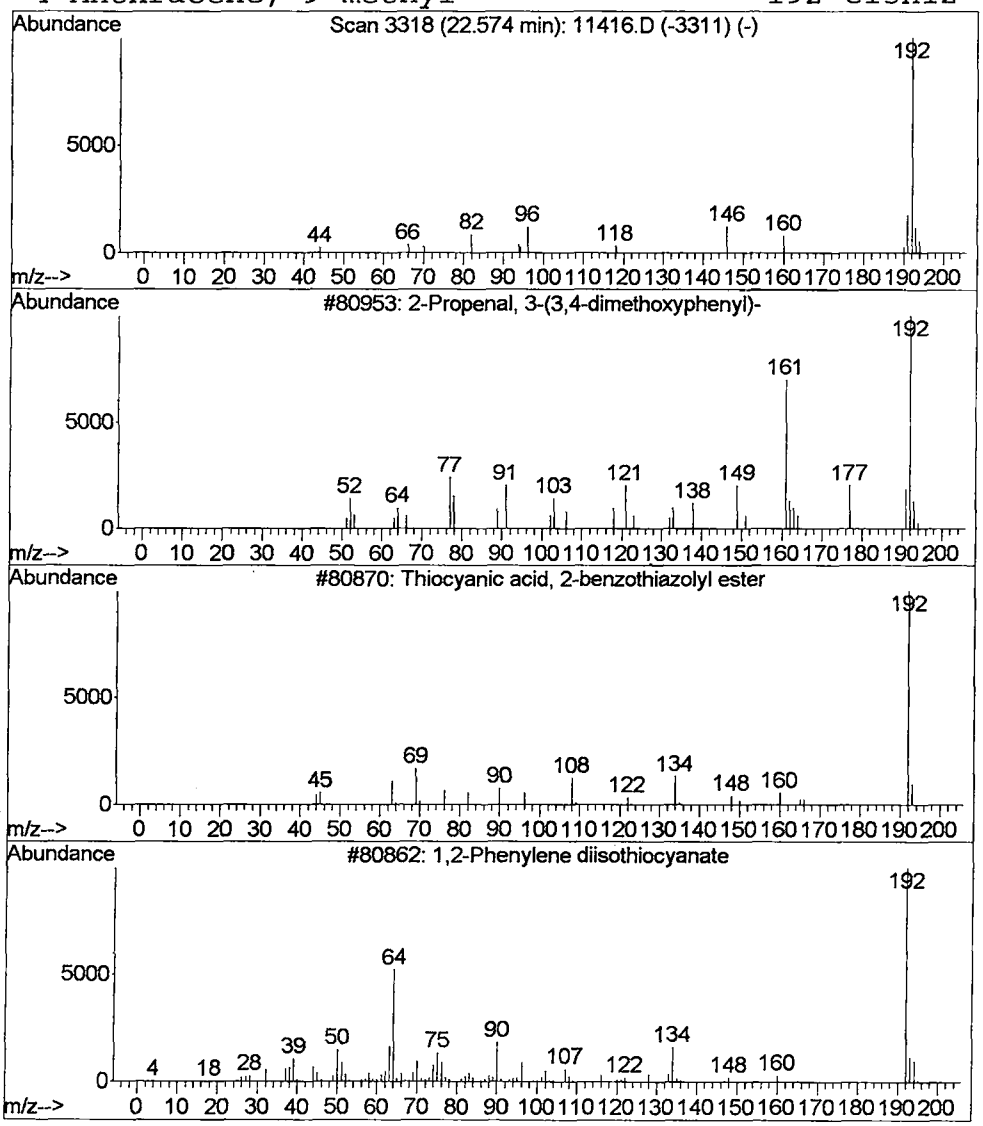
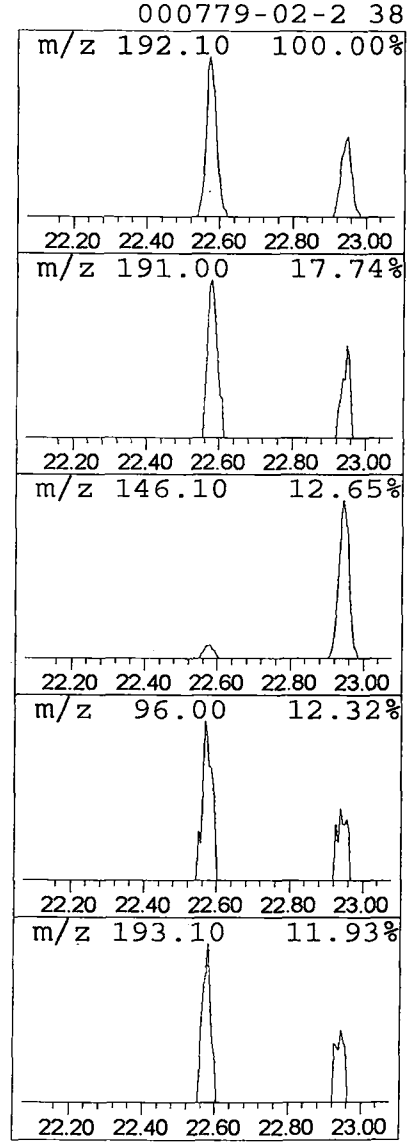
Peak Number 3 2-Propenal, 3-(3,4-dimethox... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.23 ug/L	208951	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenal, 3-(3,4-dimethoxyphen...	192	C11H12O3	004497-40-9	42
2	Thiocyanic acid, 2-benzothiazoly...	192	C8H4N2S2	006011-99-0	40
3	1,2-Phenylene diisothiocyanate	192	C8H4N2S2	071105-17-4	38
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	38





Data File : C:\MSDCHEM\1\DATA\051702\11416.D Vial: 25
Acq On : 18 May 2002 9:10 am Operator: Mclean
Sample : 5/15 eh 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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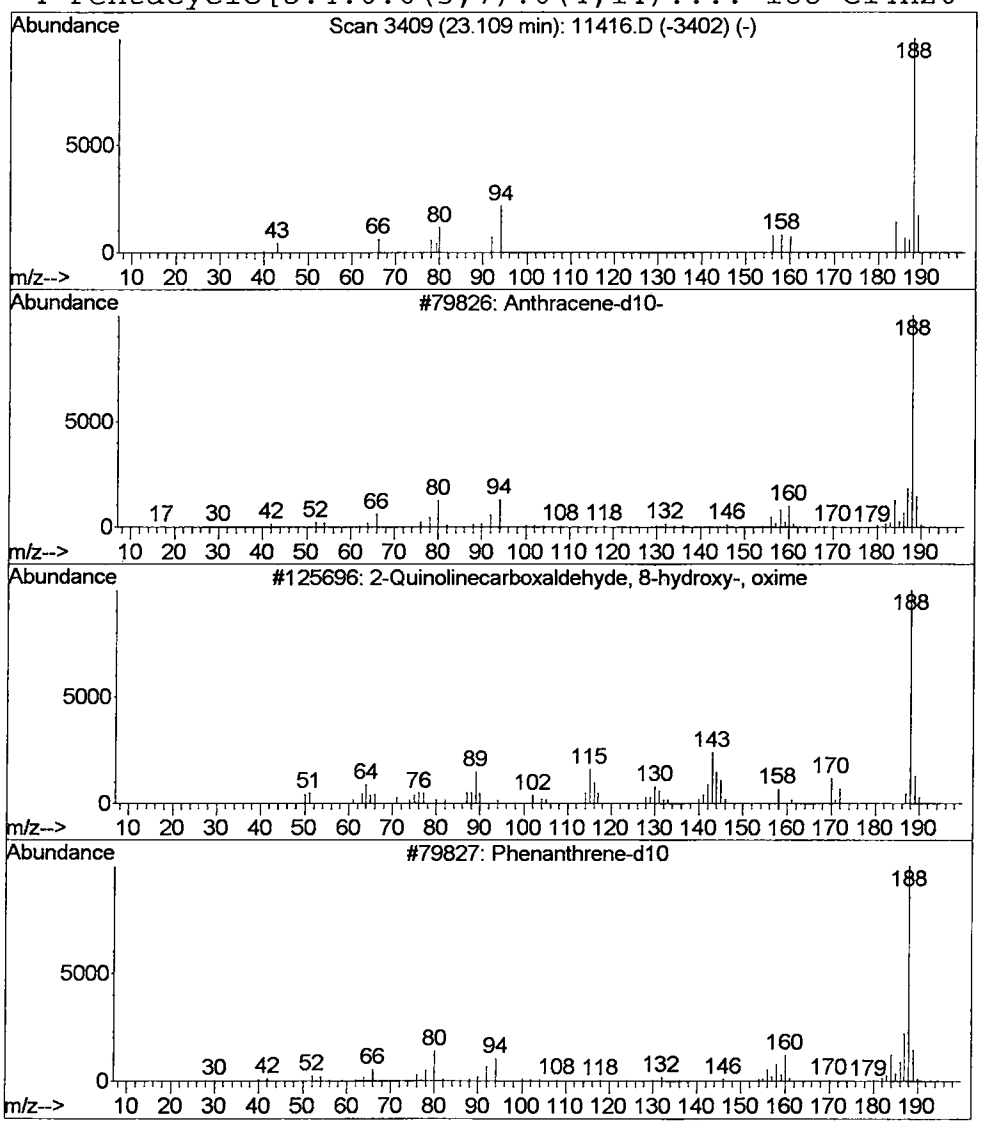
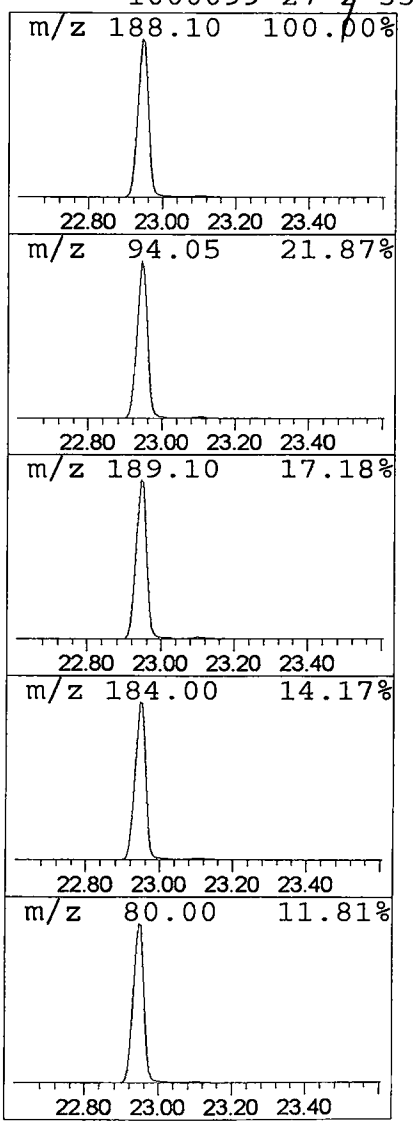
Peak Number 4 Anthracene-d10- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.44 ug/L	392294	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	87
2	2-Quinolinecarboxaldehyde, 8-hyd...	188	C10H8N2O2	005603-22-5	40
3	Phenanthrene-d10	188	C14D10	001517-22-2	38
4	Pentacyclo[8.4.0.0(3,7).0(4,14)....	188	C14H20	1000099-27-2	33





Tentatively Identified Compound (TIC) Summary

Operator ID: Mclean Date Acquired: 18 May 2002 9:10 am
Data File: C:\MSDCHEM\1\DATA\051702\11416.D
Name: 5/15 eh
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...	5.96	18.4	ug/L	11335700	1	9.93	24680900	40.0
4-Penten-2-one, 4...	7.73	0.2	ug/L	152867	1	9.93	24680900	40.0
2-Propenal, 3-(3,...	22.58	0.2	ug/L	208951	4	22.95	35579400	40.0
Anthracene-d10-	23.11	0.4	ug/L	392294	4	22.95	35579400	40.0