User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/21/2002 Time: 12:03:34

Sample: AE10900
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/21/02 12:03 Ended: 5/21/02 12:03 Analyst: DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		76		10.0

Comments for Sample AE10900 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-21-2002 Time: 12:03:59

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\051602\10900.D Vial: 13
Acq On : 17 May 2002 12:19 am Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 17 09:45:38 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	5300740	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	20852187	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	11292138	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	16028909	40.00	ug/L	0.00
37) Chrysene-d12	30.80	240	10864285	40.00	ug/L	0.00
43) Perylene-d12	34.70	264	6310013	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.54	209	2086533	30.44	ug/L	0.00
Spiked Amount 40.000			Recovery = 76.10%			
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	34142	N.D.		
30) Nnitrosodiphenylamine	20.54	169	37972	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	15594	N.D.		

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

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Acq On : 17 May 2002 12:19 am Operator: Mclean
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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
DataAcq Meth : 508SCAN

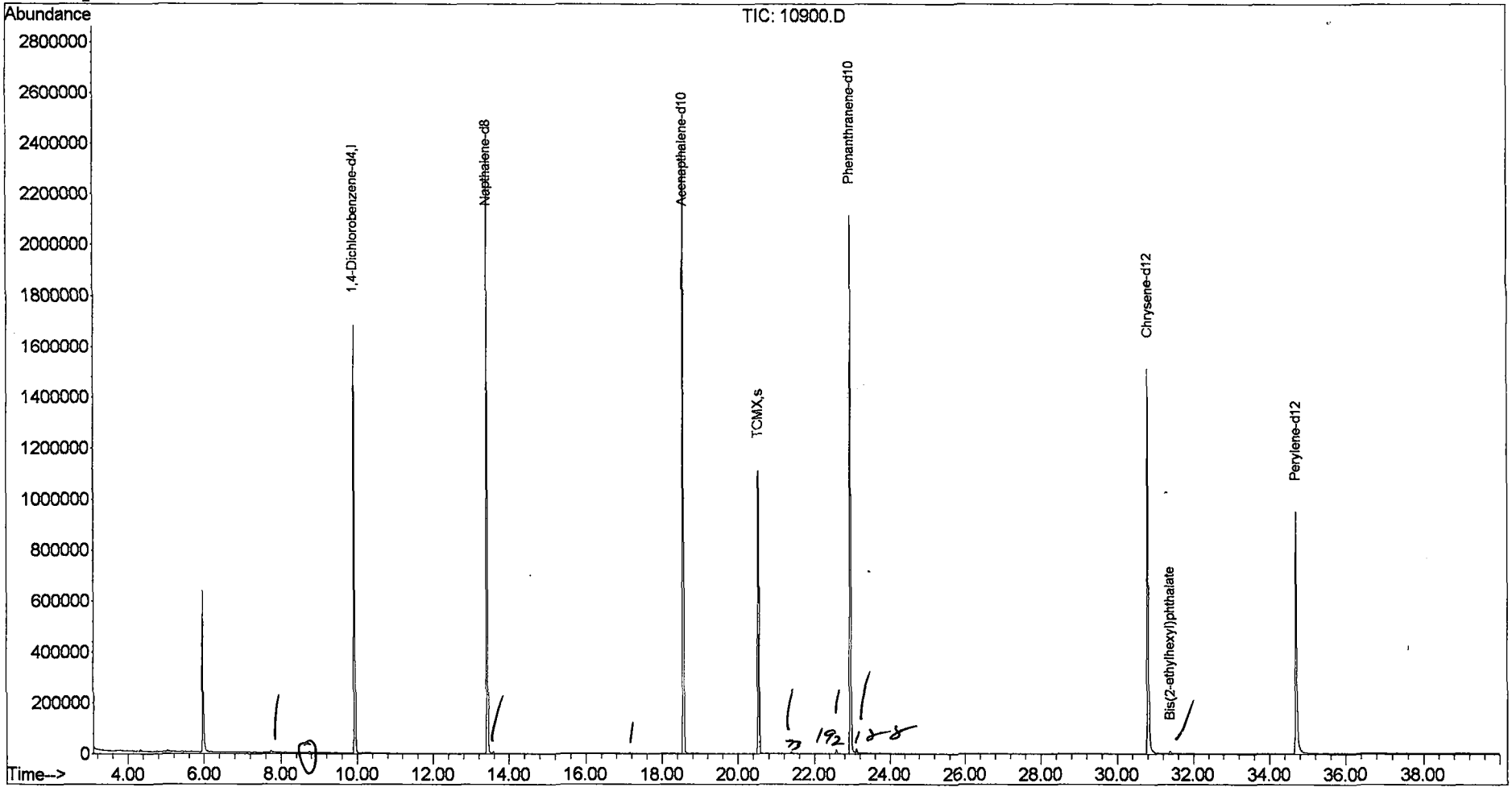
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Fluoroanthene	0.00	202	0	N.D.	
38)	Pyrene	0.00	202	0	N.D.	
39)	Butylbenzylphthalate	0.00	149	0	N.D.	
40)	Benzo(a)anthracene	30.81	228	29704	N.D.	
41)	Bis(2-ethylhexyl)phthalate	31.38	149	77577	0.29 ug/L #	87
42)	Chrysene	0.00	228	0	N.D.	
44)	Di-n-octylphthalate	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\051602\10900.D Vial: 13
Acq On : 17 May 2002 12:19 am Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 17 9:45 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\051602\10900.D Vial: 13
Acq On : 17 May 2002 12:19 am Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

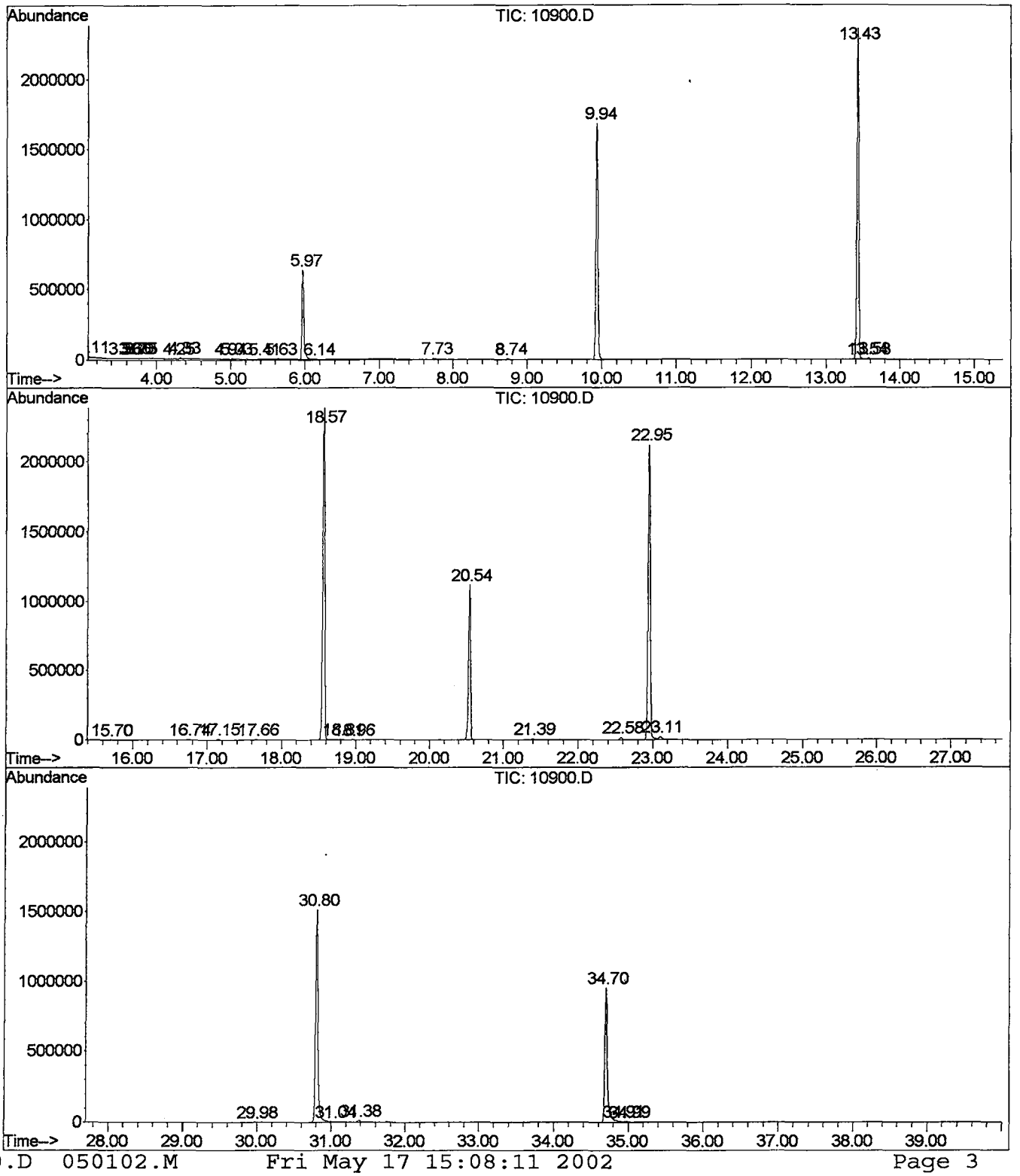
Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.109	3	5	21	BB 2	3182	28690	0.06%	0.011%
2	3.526	73	76	79	PV 5	2028	21424	0.05%	0.008%
3	3.661	95	99	103	PV 5	2404	38770	0.08%	0.015%
4	3.696	103	105	107	VV 3	2813	34919	0.08%	0.014%
5	3.731	107	111	112	VV 3	3471	55164	0.12%	0.022%
6	3.749	112	114	119	VV 3	4181	70733	0.15%	0.028%
7	4.254	181	200	208	PV 10	1845	61282	0.13%	0.024%
8	4.331	208	213	220	VV 3	7249	114842	0.25%	0.045%
9	4.942	312	317	321	VV 4	3182	46578	0.10%	0.018%
10	5.030	328	332	341	VV 6	4607	126787	0.27%	0.049%
11	5.406	393	396	405	VV 5	2393	55384	0.12%	0.022%
12	5.629	430	434	446	VV 10	1982	58208	0.13%	0.023%
13	5.970	483	492	518	PV	636481	11395937	24.58%	4.447%
14	6.140	518	521	530	VV 4	2331	61568	0.13%	0.024%
15	7.733	785	792	805	PV 3	6642	164711	0.36%	0.064%
16	8.743	959	964	971	BV 3	5638	96755	0.21%	0.038%
17	9.936	1149	1167	1185	BV	1681907	31578531	68.12%	12.324%
18	13.426	1746	1761	1778	PV	2317426	42544380	91.77%	16.603%
19	13.538	1778	1780	1783	VV 3	2189	33031	0.07%	0.013%
20	13.579	1783	1787	1797	VV	7884	149598	0.32%	0.058%
21	15.700	2140	2148	2155	VV 3	2087	36738	0.08%	0.014%
22	16.740	2320	2325	2334	VV	4199	71532	0.15%	0.028%
23	17.145	2384	2394	2404	PV 5	6084	114162	0.25%	0.045%
24	17.662	2476	2482	2489	PV 5	2705	46767	0.10%	0.018%
25	18.567	2625	2636	2667	PV	2378053	46359654	100.00%	18.092%
26	18.808	2672	2677	2682	VV 3	2458	45256	0.10%	0.018%
27	18.961	2698	2703	2711	VV 5	1958	45293	0.10%	0.018%
28	20.541	2957	2972	2993	PV	1104565	20544848	44.32%	8.018%
29	21.393	3112	3117	3125	VV 5	7651	128158	0.28%	0.050%
30	22.580	3312	3319	3330	VV 2	17252	306565	0.66%	0.120%
31	22.950	3368	3382	3403	PV 2	2086441	43734339	94.34%	17.067%
32	23.103	3403	3408	3436	VV 2	20362	571837	1.23%	0.223%
33	29.978	4572	4578	4587	BV 4	1675	37350	0.08%	0.015%
34	30.800	4703	4718	4756	PV 2	1490654	33822532	72.96%	13.199%
35	31.035	4756	4758	4774	VV 5	3958	141462	0.31%	0.055%
36	31.376	4809	4816	4855	VV 3	11526	376848	0.81%	0.147%
37	34.702	5368	5382	5417	PV 2	945019	23005164	49.62%	8.978%

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\051602\10900.D
Operator : Mclean
Acquired : 17 May 2002 12:19 am using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/10 eh
Misc Info :
Vial Number: 13
Quant File :050102.RES (Chemstation Integrator)



Data File : C:\MSDCHEM\1\DATA\051602\10900.D Vial: 13
Acq On : 17 May 2002 12:19 am Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

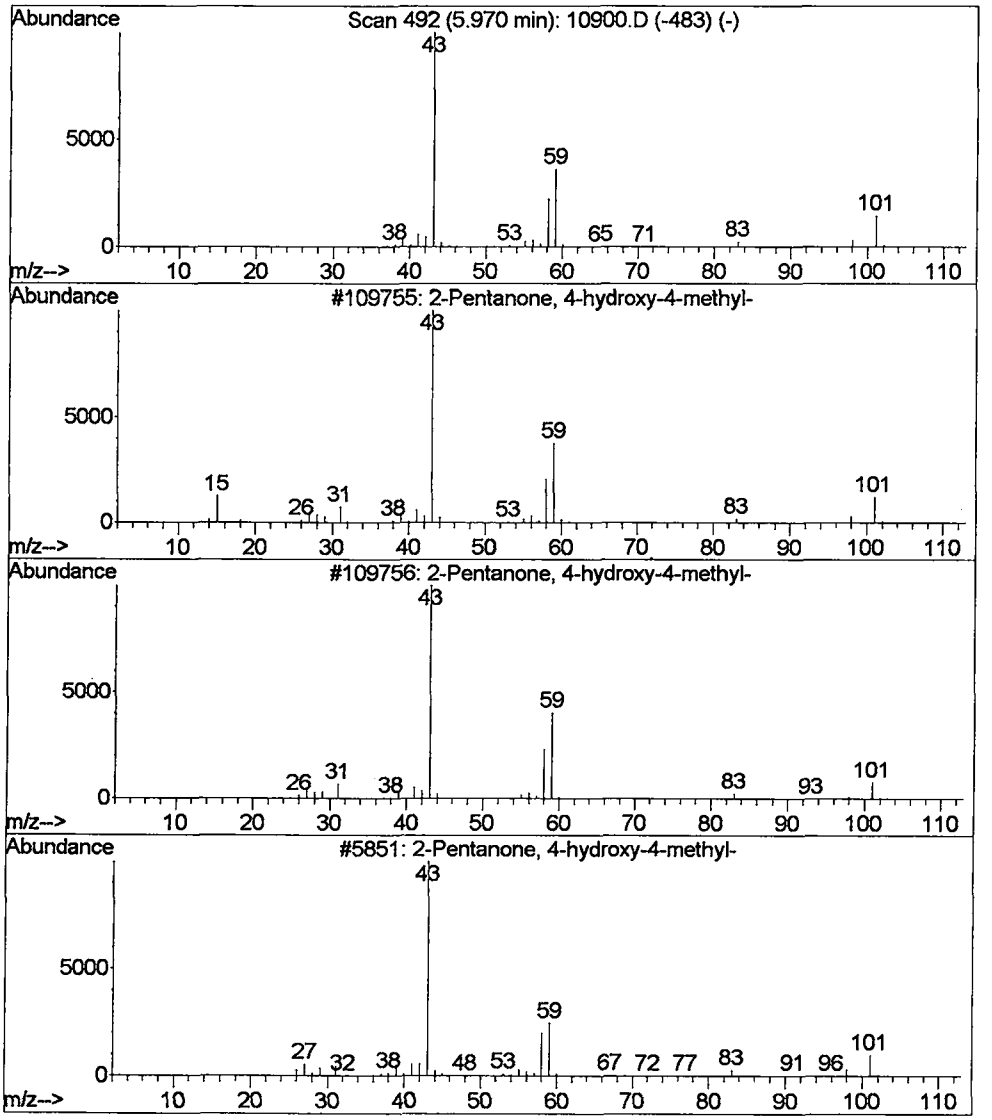
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

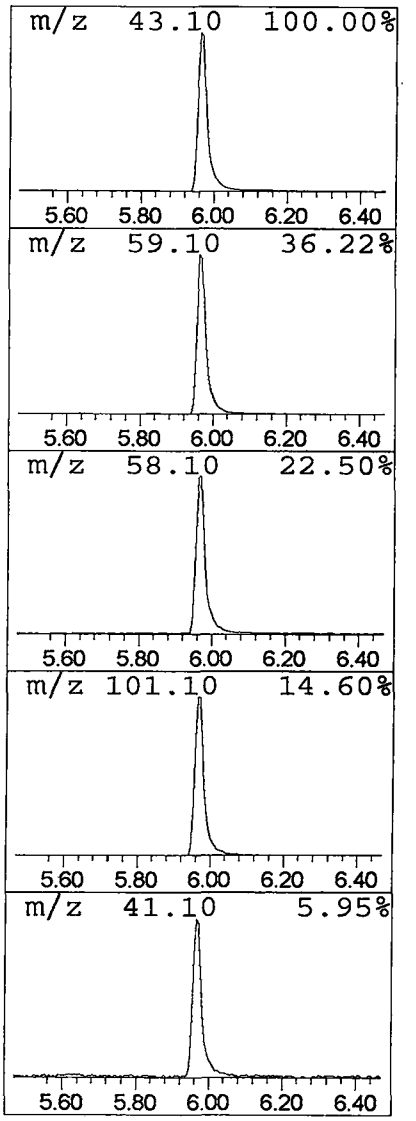
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	14.44 ug/L	11395900	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	Acetone	58	C3H6O	000067-64-1	32





Data File : C:\MSDCHEM\1\DATA\051602\10900.D
Acq On : 17 May 2002 12:19 am
Sample : 5/10 eh
Misc :
MS Integration Params: LSCINT.e

Vial: 13
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

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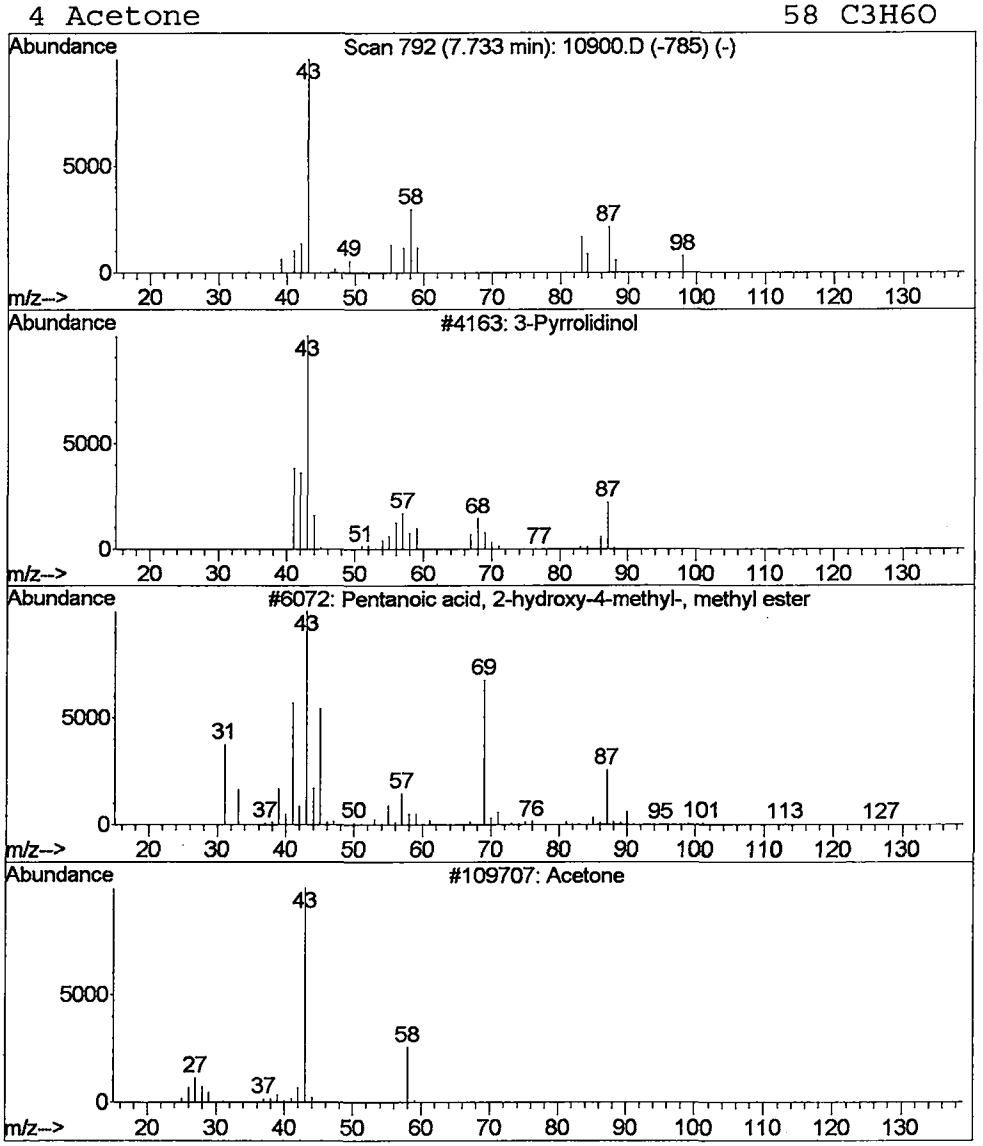
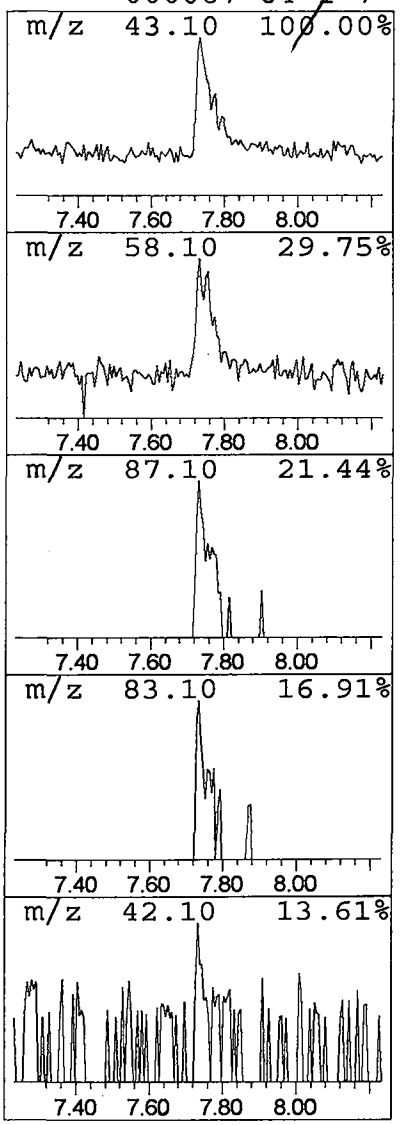
Peak Number 2 3-Pyrrolidinol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	0.21 ug/L	164711	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pyrrolidinol	87	C4H9NO	040499-83-0	9
2	Pentanoic acid, 2-hydroxy-4-meth...	146	C7H14O3	040348-72-9	9
3	Acetone	58	C3H6O	000067-64-1	7
4	Acetone	58	C3H6O	000067-64-1	7





Data File : C:\MSDCHEM\1\DATA\051602\10900.D Vial: 13
Acq On : 17 May 2002 12:19 am Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

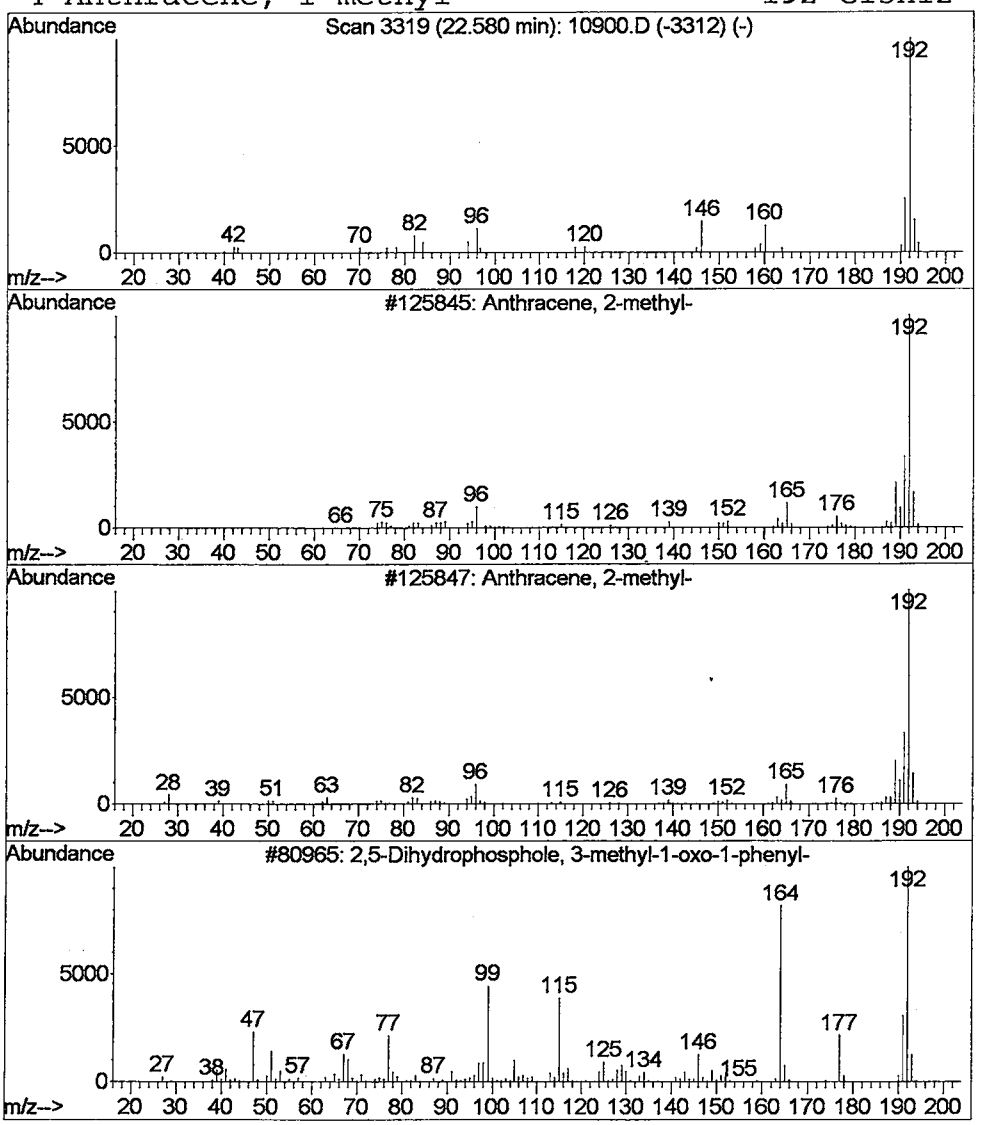
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

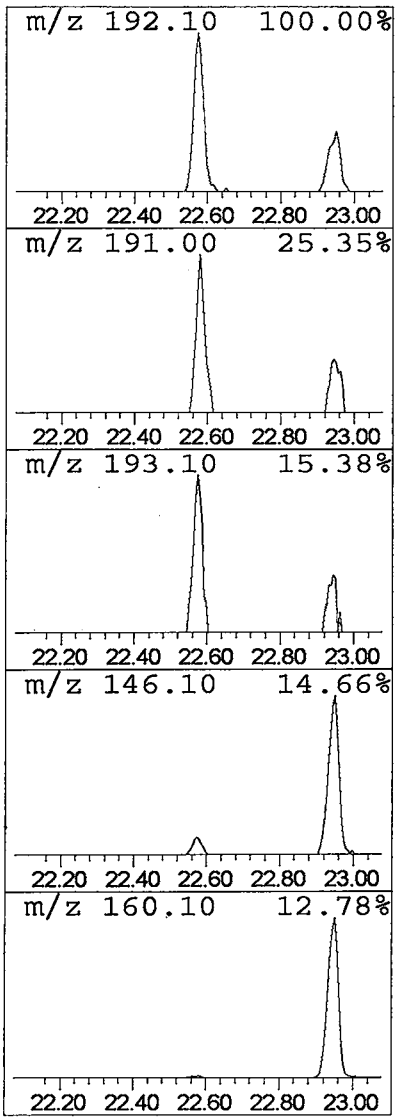
****

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.28 ug/L	306565	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	59
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	59
3	2,5-Dihydrophosphole, 3-methyl-1...	192	C11H13OP	1000196-97-5	59
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	53





Data File : C:\MSDCHEM\1\DATA\051602\10900.D Vial: 13
Acq On : 17 May 2002 12:19 am Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

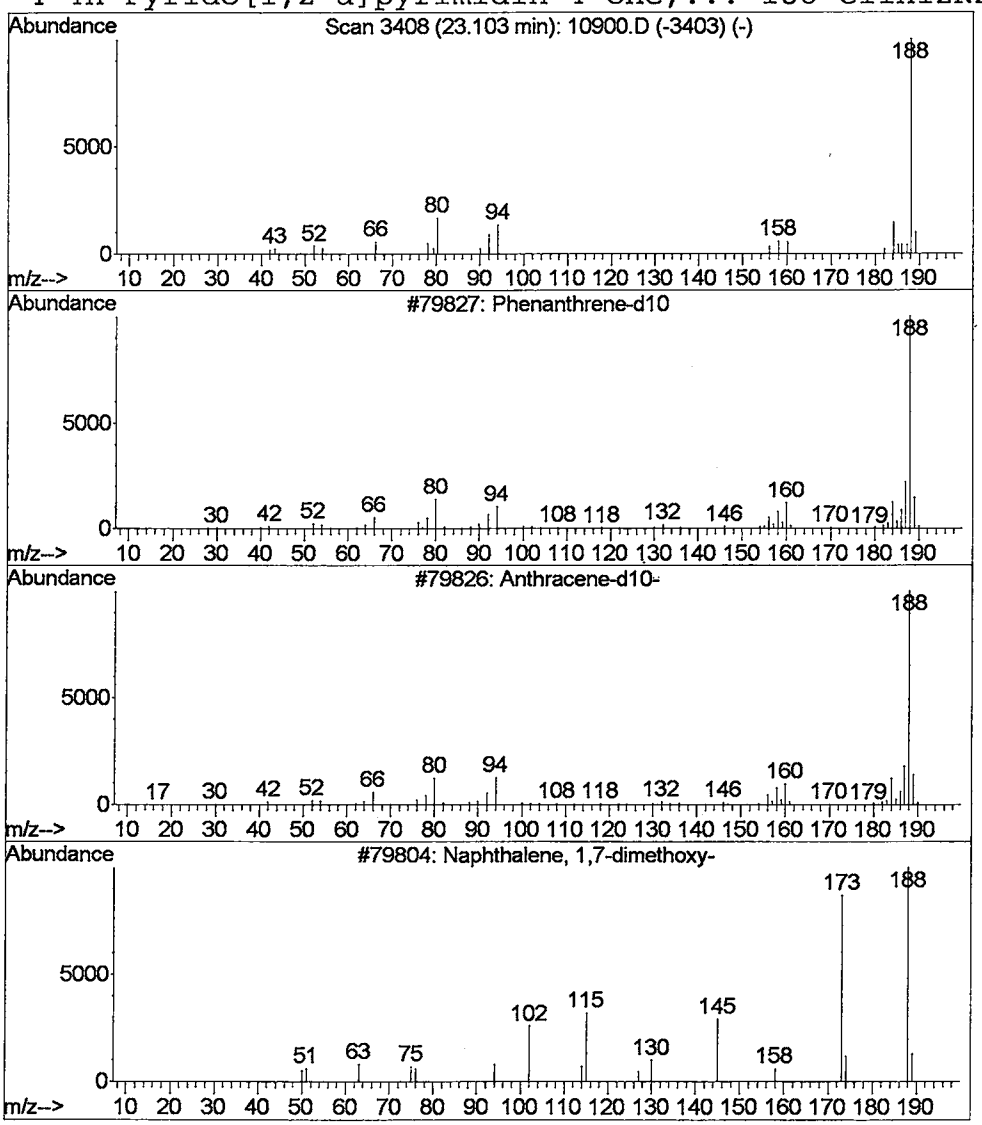
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

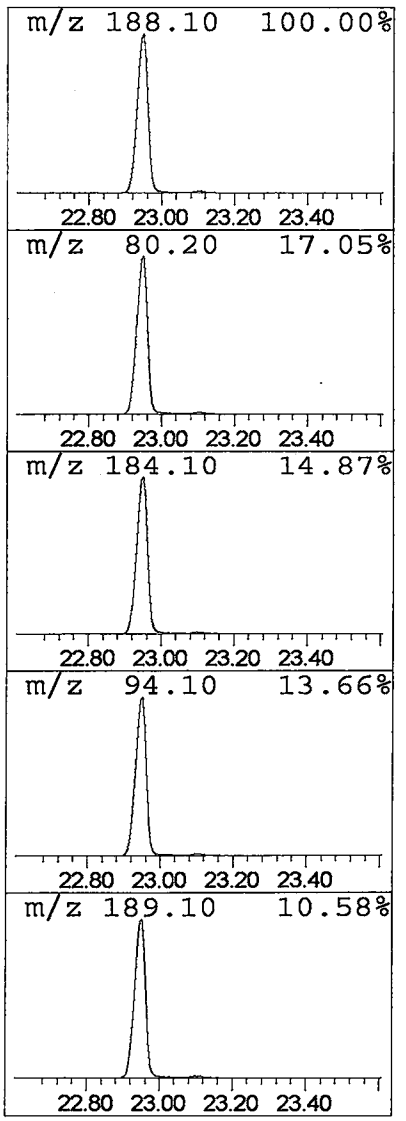
****

Peak Number 4 Phenanthrene-d10 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.52 ug/L	571837	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene-d10	188	C14D10	001517-22-2	72
2	Anthracene-d10-	188	C14D10	001719-06-8	50
3	Naphthalene, 1,7-dimethoxy-	188	C12H12O2	005309-18-2	40
4	4H-Pyrido[1,2-a]pyrimidin-4-one,...	188	C11H12N2O	057773-19-0	38





Tentatively Identified Compound (TIC) Summary

Operator ID: Mclean Date Acquired: 17 May 2002 12:19 am
Data File: C:\MSDCHEM\1\DATA\051602\10900.D
Name: 5/10 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...	5.97	14.4	ug/L	11395900	1	9.94	31578500	40.0
3-Pyrrolidinol	7.73	0.2	ug/L	164711	1	9.94	31578500	40.0
Anthracene, 2-met...	22.58	0.3	ug/L	306565	4	22.95	43734300	40.0
Phenanthrene-d10	23.11	0.5	ug/L	571837	4	22.95	43734300	40.0