User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/21/2002 Time: 11:56:54

Sample: AE10898
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/21/02 11:56 Ended: 5/21/02 11:56 Analyst: DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		88		10.0

Comments for Sample AE10898 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-21-2002 Time: 11:57:20

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\10898.D Vial: 11
Acq On : 16 May 2002 10:41 pm Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 17 09:45:17 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	5763311	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	22717857	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	12303465	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	17508812	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	12037164	40.00	ug/L	0.00
43) Perylene-d12	34.70	264	7201378	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.55	209	2643521	35.39	ug/L	0.00
Spiked Amount 40.000			Recovery = 88.48%			
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	45257	N.D.		
30) Nnitrosodiphenylamine	20.54	169	49935	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	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
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	30569	N.D.	
41)	Bis(2-ethylhexyl)phthalate	31.37	149	92857	0.31 ug/L	94
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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Acq On : 16 May 2002 10:41 pm Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
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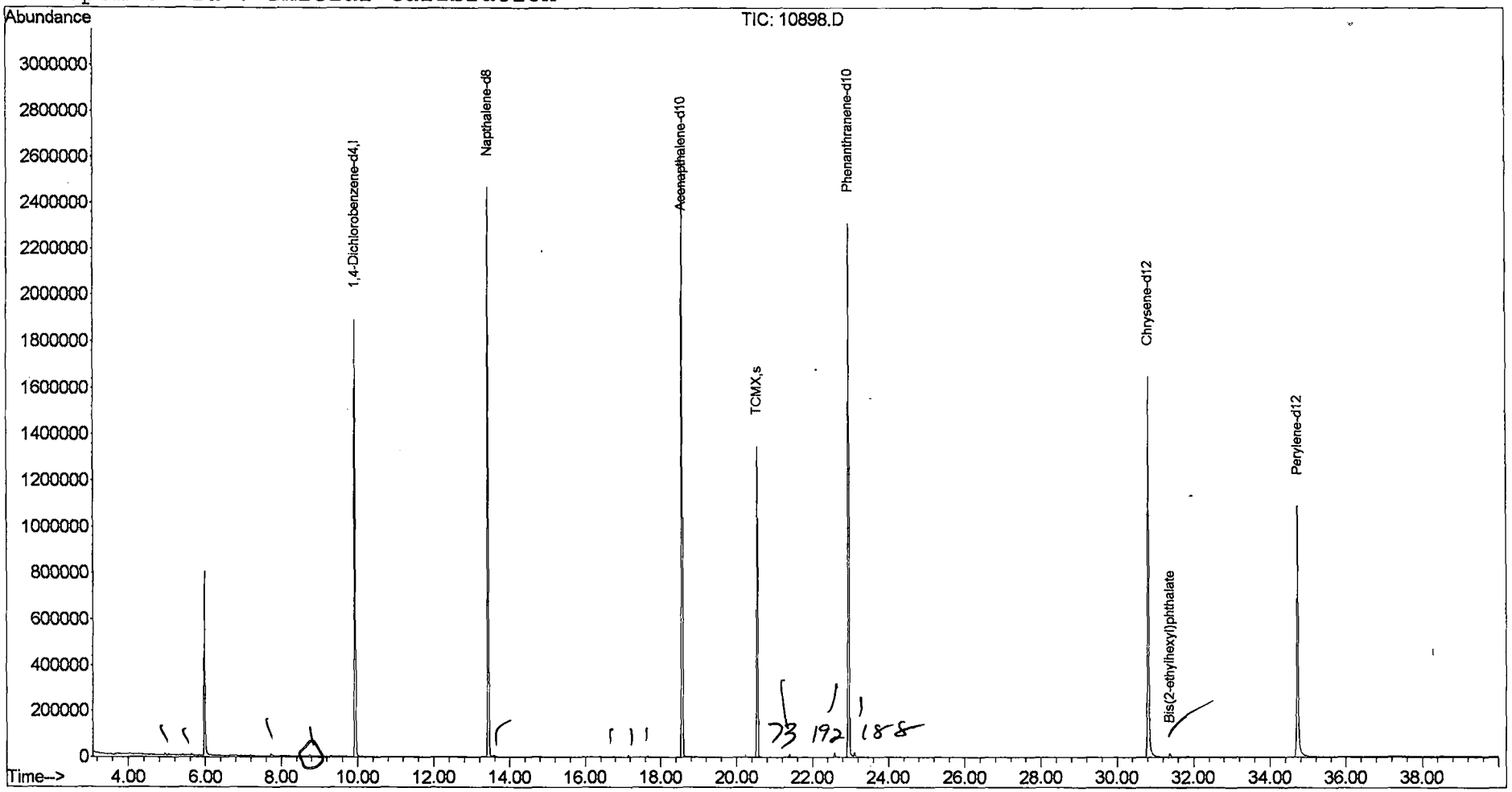
Quant Time: May 17 9:45 2002 Quant Results File: 050102.RES

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\10898.D Vial: 11
Acq On : 16 May 2002 10:41 pm 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

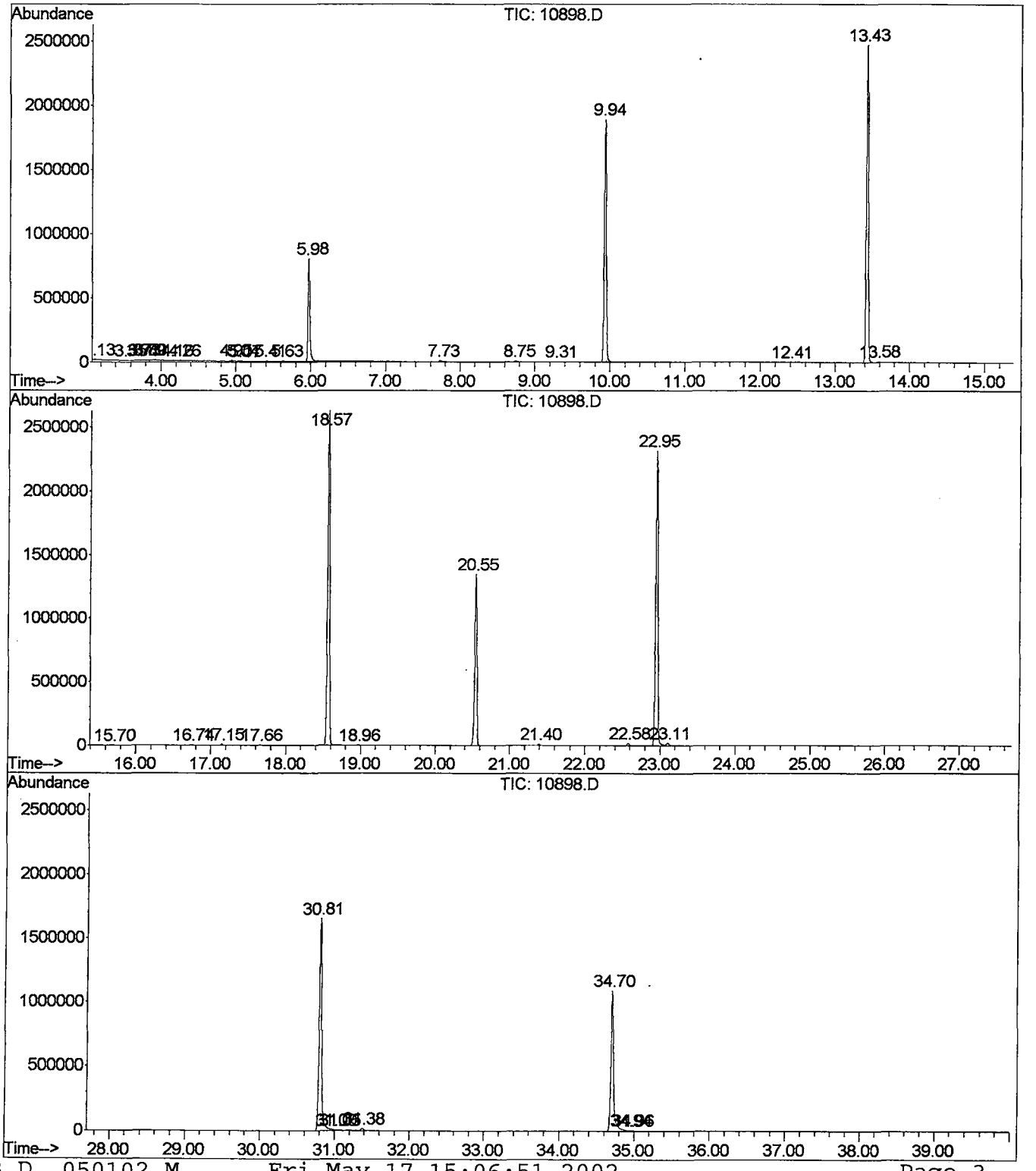
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.126	3	8	18	BV 3	3213	58635	0.12%	0.020%
2	3.549	74	80	86	PV 7	1582	33329	0.07%	0.012%
3	3.708	93	107	109	PV 7	3627	114651	0.23%	0.040%
4	3.731	109	111	117	VV 4	4253	114837	0.23%	0.040%
5	3.784	117	120	122	VV 3	4001	56446	0.11%	0.020%
6	3.802	122	123	131	VV 7	4444	117396	0.23%	0.041%
7	4.166	179	185	189	VV 6	3766	85088	0.17%	0.030%
8	4.260	197	201	206	VV 4	4002	86060	0.17%	0.030%
9	4.948	314	318	329	VV 3	7553	143114	0.28%	0.050%
10	5.042	329	334	337	PV 5	3961	72529	0.14%	0.025%
11	5.071	337	339	344	VV 5	2370	35929	0.07%	0.012%
12	5.412	387	397	403	PV 2	3609	71240	0.14%	0.025%
13	5.635	430	435	447	VV 7	5167	119222	0.24%	0.041%
14	5.976	485	493	531	PV	803546	14009560	27.70%	4.859%
15	7.733	787	792	803	PV 3	8701	229264	0.45%	0.080%
16	8.749	956	965	976	PV 5	6179	126061	0.25%	0.044%
17	9.307	1055	1060	1071	VV 3	1996	51502	0.10%	0.018%
18	9.936	1157	1167	1189	PV	1864986	34954416	69.10%	12.124%
19	12.404	1577	1587	1594	PV 4	1810	28530	0.06%	0.010%
20	13.432	1752	1762	1782	PV	2478753	46768209	92.45%	16.222%
21	13.585	1782	1788	1795	VV	7900	149272	0.30%	0.052%
22	15.706	2143	2149	2153	PV 5	2419	37887	0.07%	0.013%
23	16.746	2319	2326	2336	VV 2	3887	78321	0.15%	0.027%
24	17.151	2386	2395	2401	VV 2	8831	140851	0.28%	0.049%
25	17.656	2477	2481	2493	VV 5	3378	69797	0.14%	0.024%
26	18.567	2624	2636	2652	PV	2602050	50584839	100.00%	17.546%
27	18.961	2698	2703	2712	VV 4	1682	27539	0.05%	0.010%
28	20.547	2960	2973	2996	VV	1338738	26306983	52.01%	9.125%
29	21.393	3112	3117	3124	PV 3	12158	182511	0.36%	0.063%
30	22.580	3312	3319	3329	VV 2	17642	334708	0.66%	0.116%
31	22.956	3369	3383	3403	PV 2	2288709	48178563	95.24%	16.711%
32	23.109	3403	3409	3434	VV	20814	547274	1.08%	0.190%
33	30.806	4698	4719	4751	PV 2	1640766	37552792	74.24%	13.026%
34	31.006	4751	4753	4760	VV 4	5648	130713	0.26%	0.045%
35	31.053	4760	4761	4769	VV 5	3722	102751	0.20%	0.036%
36	31.376	4808	4816	4829	PV 3	15262	377040	0.75%	0.131%
37	34.707	5360	5383	5421	PV 2	1072899	26174547	51.74%	9.079%

38	34.942	5421	5423	5425	VV	3	2742	32022	0.06%	0.011%
39	34.966	5425	5427	5430	VV	4	2015	17373	0.03%	0.006%

Sum of corrected areas: 288301800

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\051602\10898.D
Operator : Mclean
Acquired : 16 May 2002 10:41 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/10 eh
Misc Info :
Vial Number: 11
Quant File :050102.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051602\10898.D Vial: 11
Acq On : 16 May 2002 10:41 pm Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

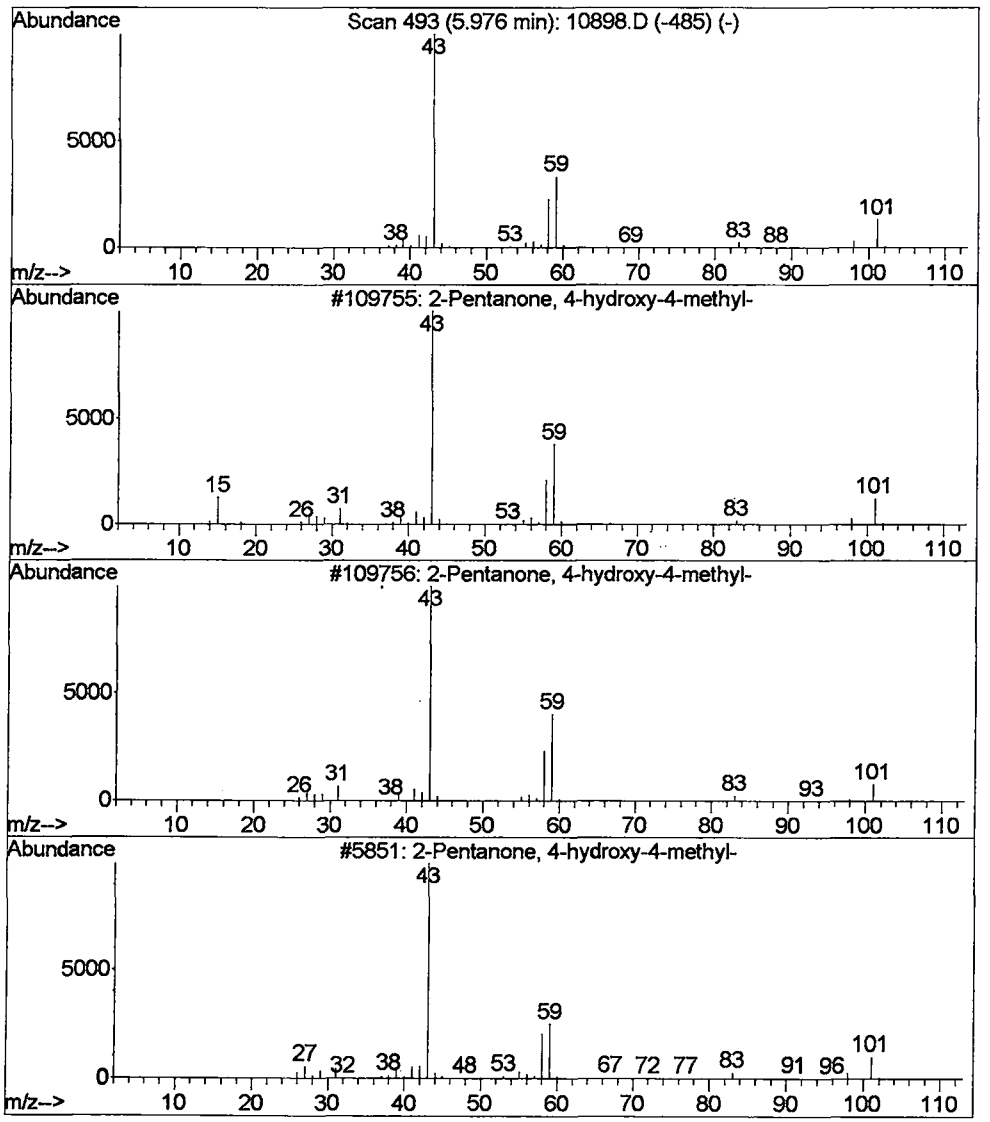
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

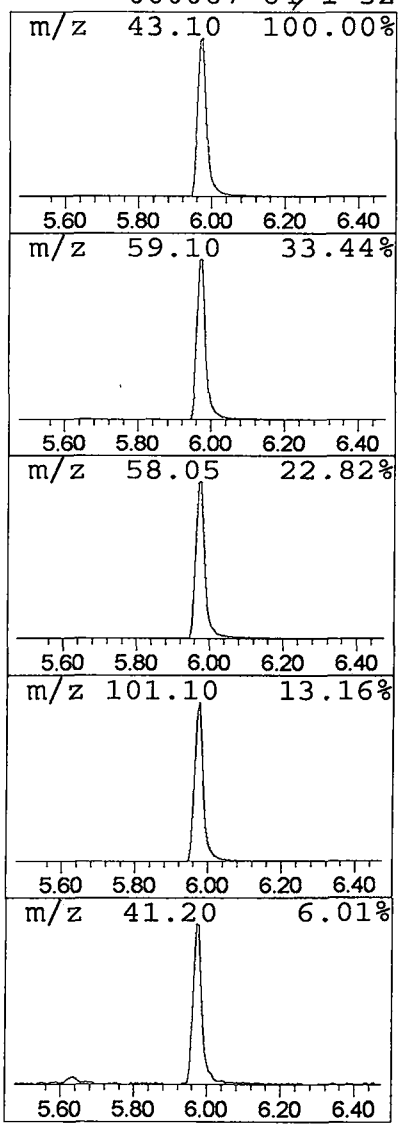
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.98	16.03 ug/L	14009600	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	72
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

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Acq On : 16 May 2002 10:41 pm Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

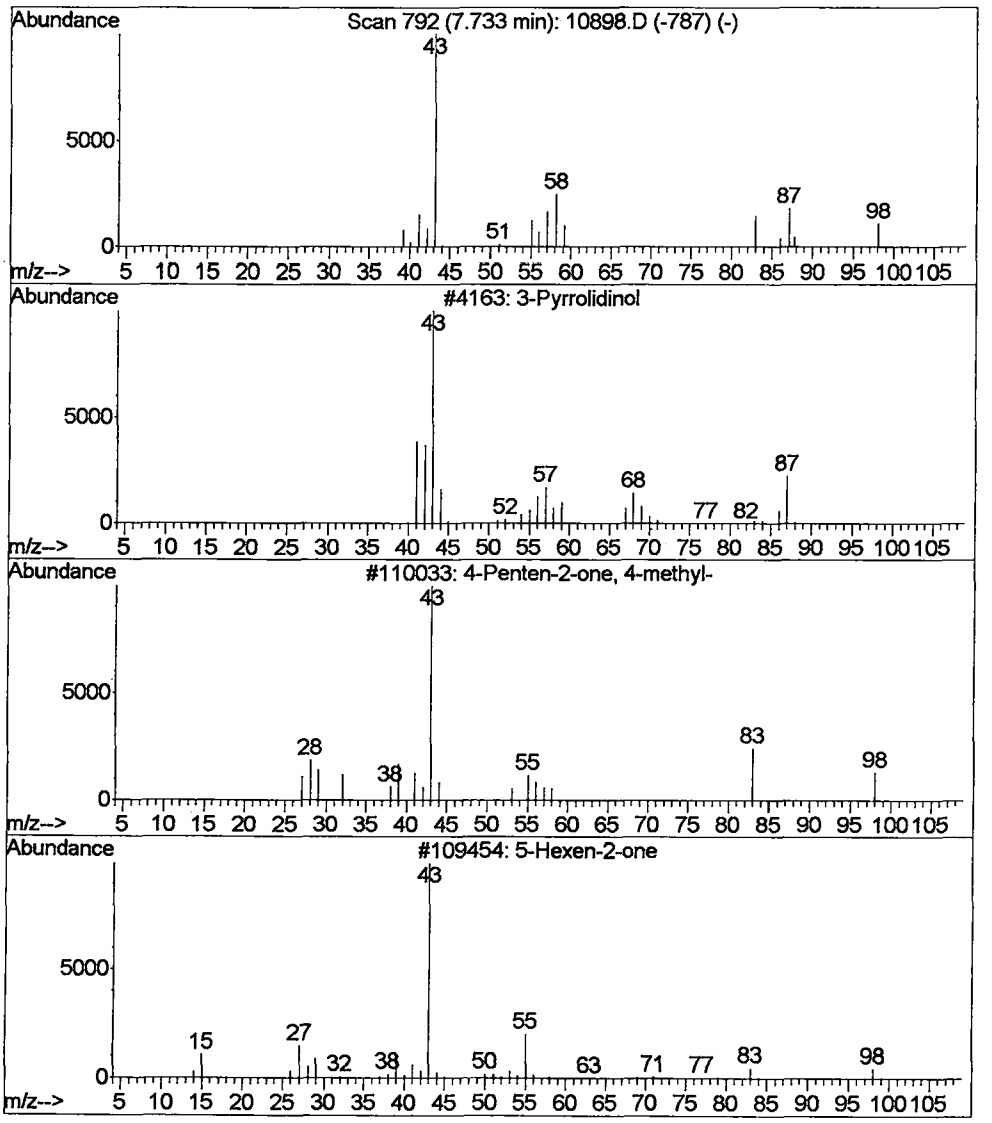
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

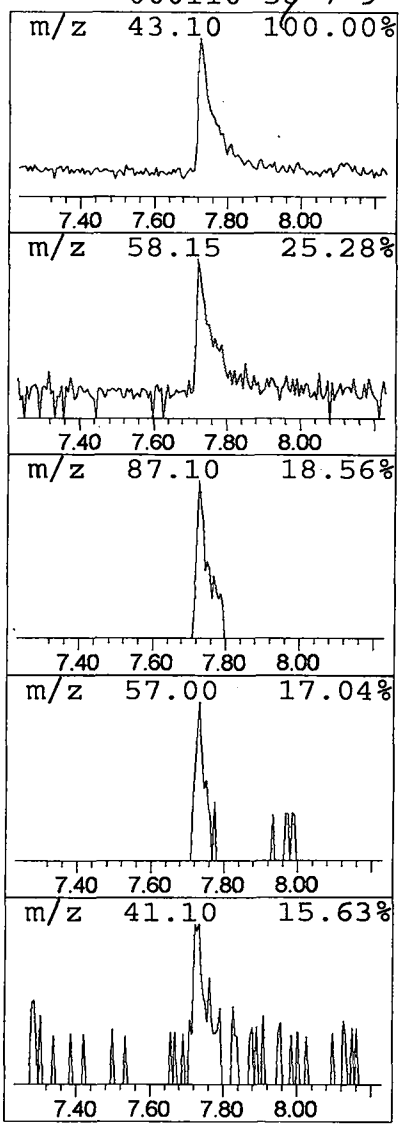
****

Peak Number 2 3-Pyrrolidinol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	0.26 ug/L	229264	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pyrrolidinol	87	C4H9NO	040499-83-0	43
2	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	12
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	1-Pentanamine	87	C5H13N	000110-58-7	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\051602\10898.D Vial: 11
Acq On : 16 May 2002 10:41 pm Operator: Mclean
Sample : 5/10 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

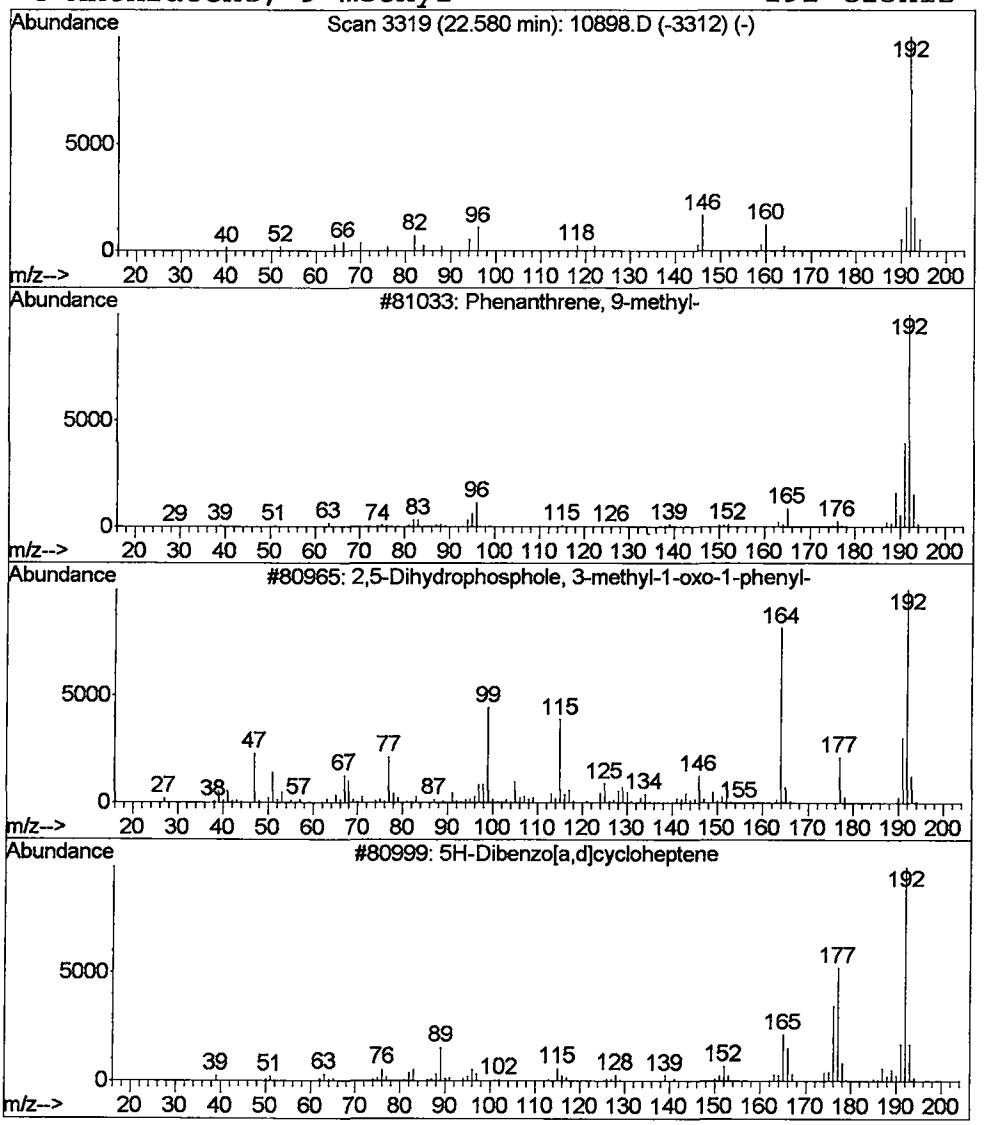
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

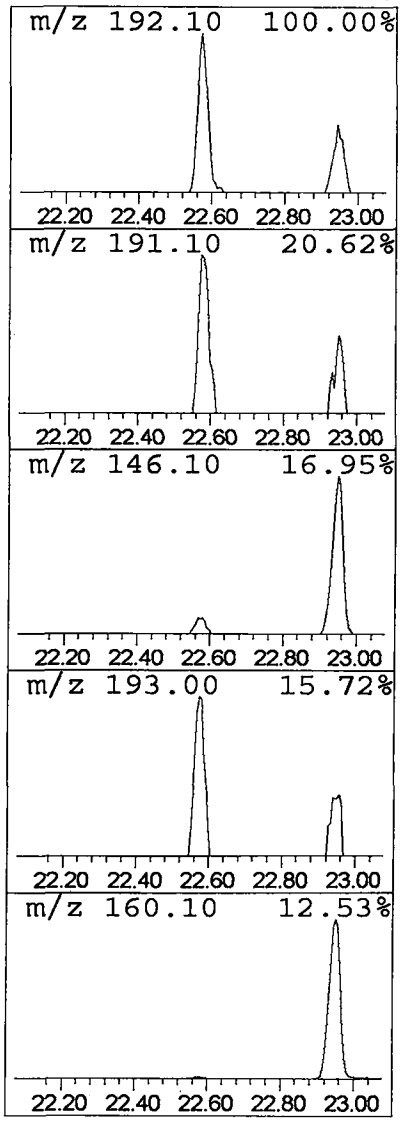
****

Peak Number 3 Phenanthrene, 9-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.28 ug/L	334708	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	53
2	2,5-Dihydrophosphole, 3-methyl-1...	192	C11H13OP	1000196-97-5	45
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	40





Library Search Compound Report

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Acq On : 16 May 2002 10:41 pm 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

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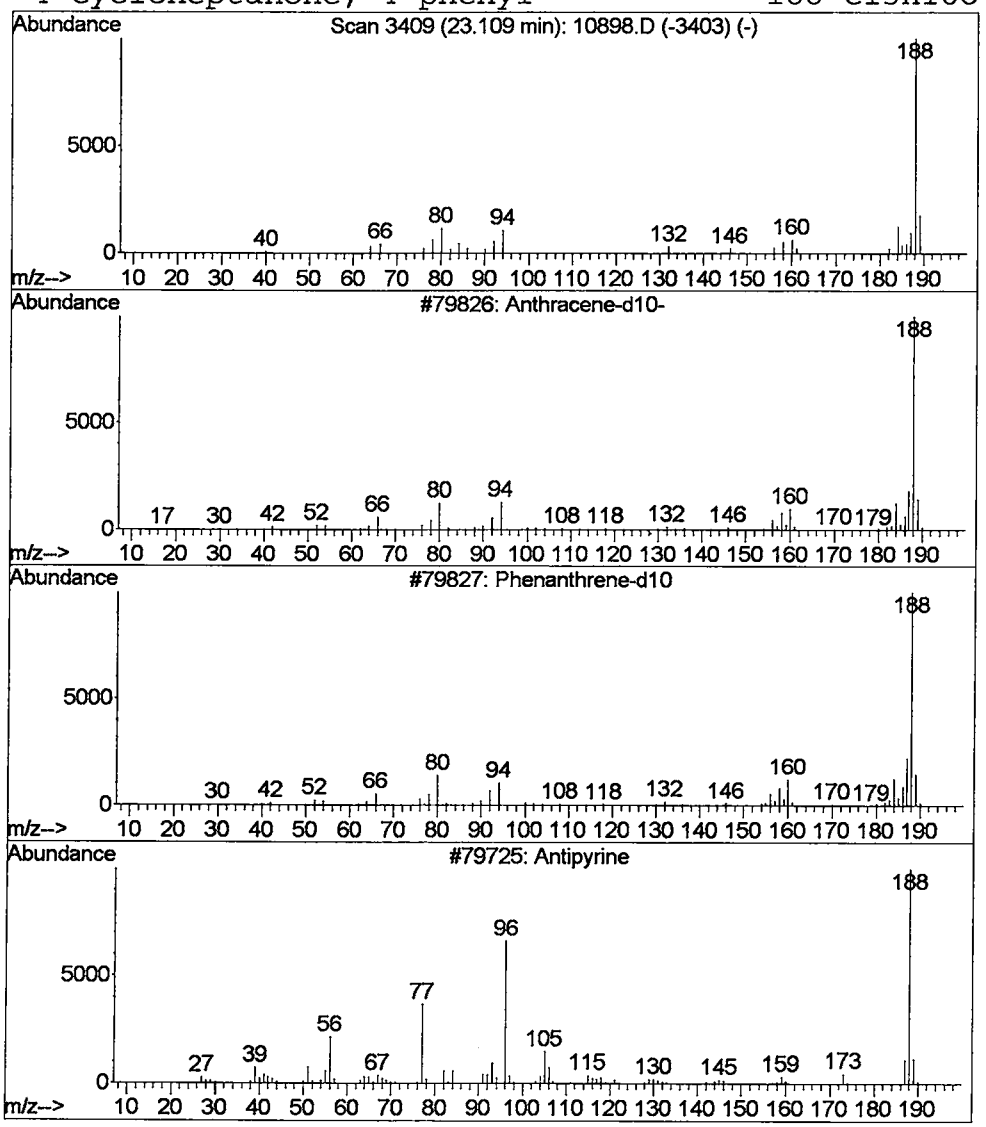
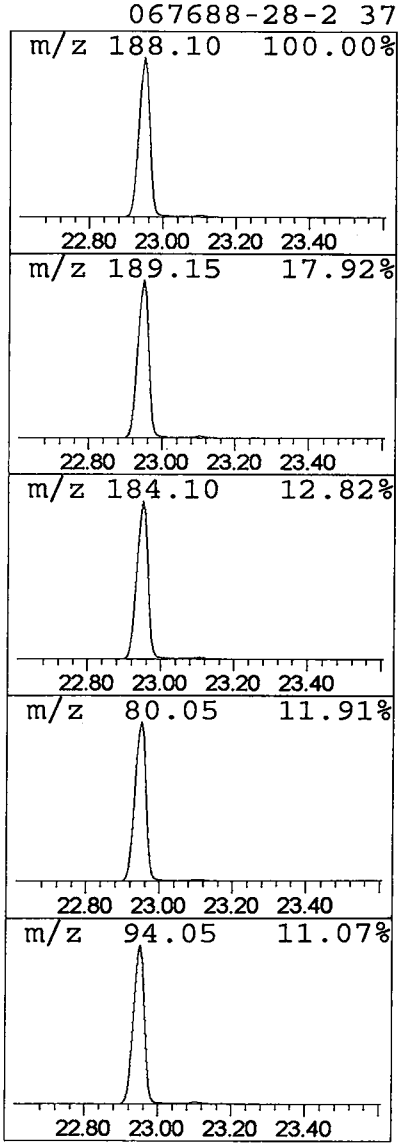
Peak Number 4 Anthracene-d10- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.45 ug/L	547274	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	78
2	Phenanthrene-d10	188	C14D10	001517-22-2	74
3	Antipyrine	188	C11H12N2O	000060-80-0	40
4	Cycloheptanone, 4-phenyl-	188	C13H16O	067688-28-2	37





Tentatively Identified Compound (LSC) summary

Operator ID: Mclean Date Acquired: 16 May 2002 10:41 pm
Data File: C:\MSDCHEM\1\DATA\051602\10898.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 #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
2-Pentanone, 4-hy...	5.98	16.0	ug/L	14009600	1	9.94	34954400	40.0
3-Pyrrolidinol	7.73	0.3	ug/L	229264	1	9.94	34954400	40.0
Phenanthrene, 9-m...	22.58	0.3	ug/L	334708	4	22.95	48178600	40.0
Anthracene-d10-	23.11	0.5	ug/L	547274	4	22.95	48178600	40.0