User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/17/2002 Time: 12:07:43

Sample: AE10303
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/17/02 11:58 Ended: 5/17/02 11:58 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		91		10.0

Comments for Sample AE10303 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-17-2002 Time: 12:08:13

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 4 of the 43 compounds in the LCS Standard were low.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\050802\10303.D Vial: 6
Acq On : 8 May 2002 5:53 pm Operator: Mclean
Sample : 5/1 eh Inst : Instrumen
Misc : . Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 09 09:37:09 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Wed May 08 09:53:56 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	5637625	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	22193086	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	11978084	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	17381393	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	13185808	40.00	ug/L	0.00
43) Perylene-d12	34.71	264	8454086	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.54	209	631129	9.12	ug/L	0.00
Spiked Amount 10.000			Recovery = 91.20%			
50) 2,4-ddd	0.00	235	0	0.00	ug/L	
Spiked Amount 5.000			Recovery = 0.00%			
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	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.		

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

Quantitation Report (QT Reviewed)

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Acq On : 8 May 2002 5:53 pm Operator: Mclean
Sample : 5/1 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 09 09:37:09 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Wed May 08 09:53:56 2002
Response via : Initial Calibration
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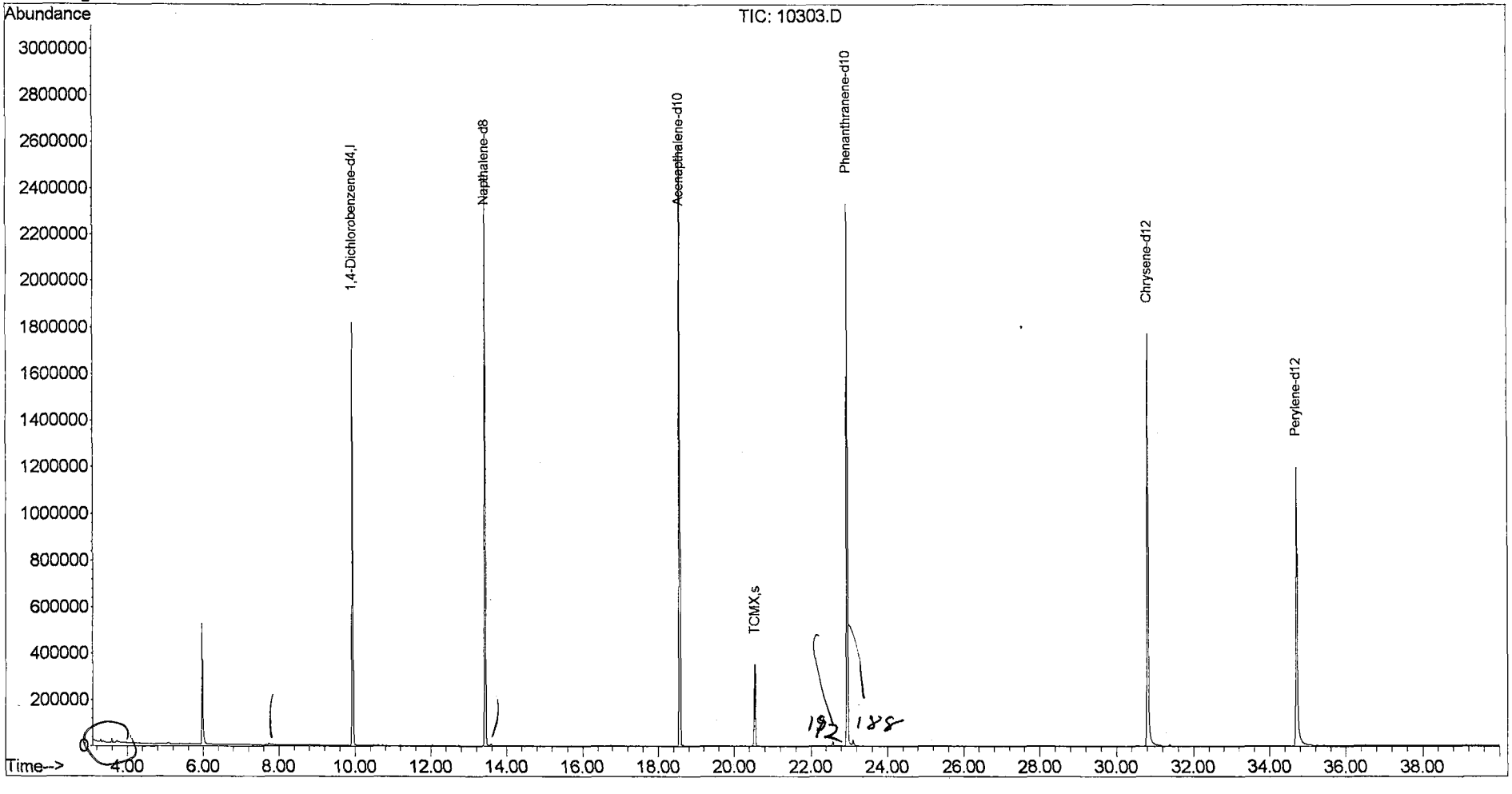
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
34)	Anthracene	0.00	178	0	N.D.	
35)	Di-n-butylphthalate	25.09	149	17047	N.D.	
36)	Fluoroanthene	0.00	202	0	N.D.	
38)	Pyrene	0.00	202	0	N.D.	
39)	Butylbenzylphthalate	0.00	149	0	N.D.	
40)	Benzo(a)anthracene	30.81	228	30129	N.D.	
41)	Bis(2-ethylhexyl)phthalate	31.37	149	25443	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.	
51)	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\050802\10303.D Vial: 6
Acq On : 8 May 2002 5:53 pm Operator: Mclean
Sample : 5/1 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 9 13:49 2002 Quant Results File: 050102.RES

Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Tue May 07 09:57:23 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\050802\10303.D
Acq On : 8 May 2002 5:53 pm
Sample : 5/1 eh
Misc :
MS Integration Params: LSCINT.e

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

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

Signal : TIC

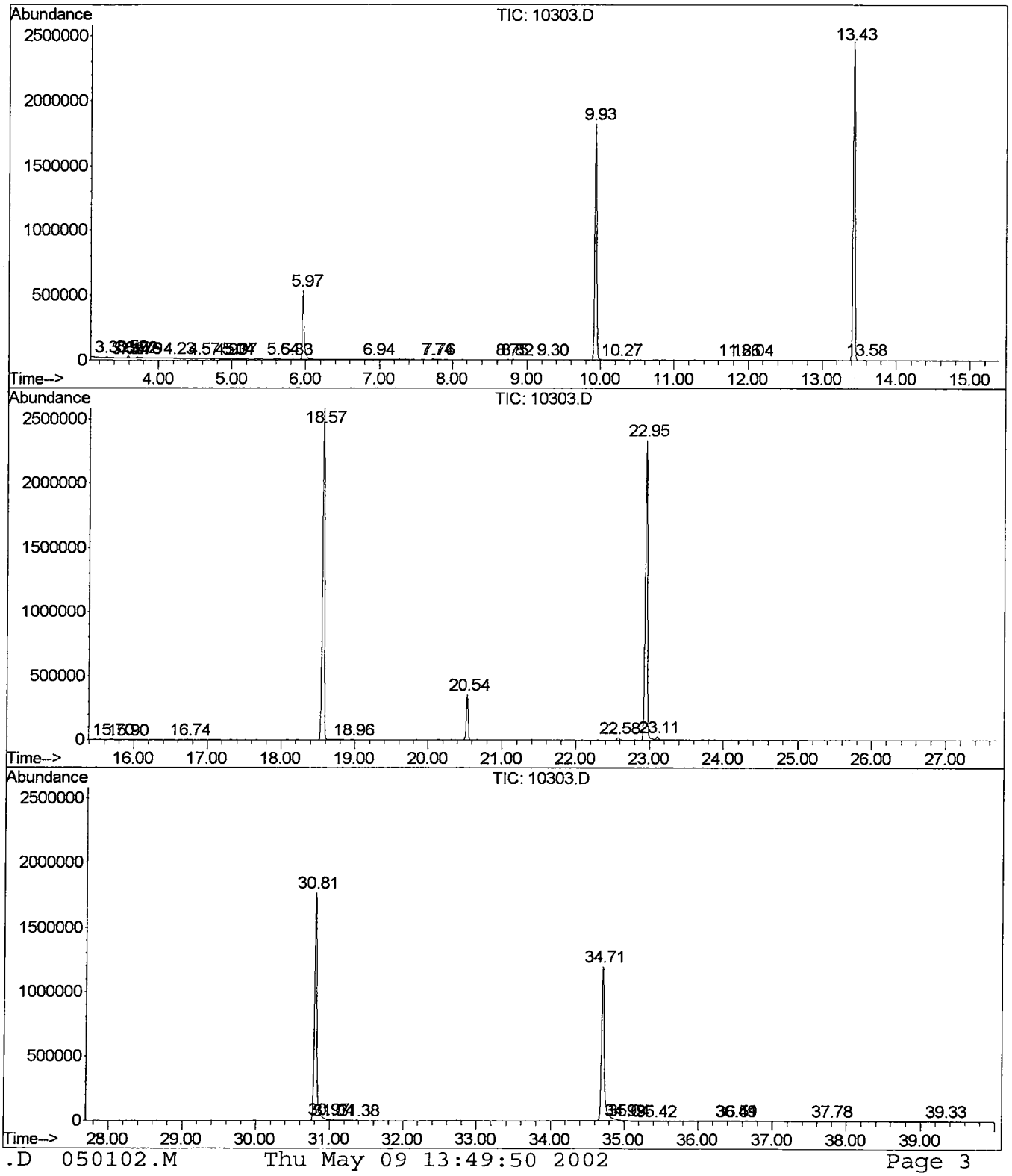
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.302	32	38	45	PV 3	10679	151577	0.31%	0.056%
2	3.532	72	77	80	PV 6	2633	33588	0.07%	0.013%
3	3.590	80	87	92	VV	17750	260832	0.53%	0.097%
4	3.720	96	109	116	VV 5	9000	307741	0.62%	0.115%
5	3.767	116	117	119	VV 2	4008	41169	0.08%	0.015%
6	3.784	119	120	126	VV 6	3803	88175	0.18%	0.033%
7	4.225	192	195	202	VV 9	2925	73872	0.15%	0.028%
8	4.572	251	254	257	PV 3	1603	16734	0.03%	0.006%
9	4.936	313	316	328	VV 6	1756	26125	0.05%	0.010%
10	5.036	328	333	335	VV 5	3340	45703	0.09%	0.017%
11	5.071	335	339	356	VV 10	5459	192746	0.39%	0.072%
12	5.635	431	435	449	VV 8	4277	94639	0.19%	0.035%
13	5.829	464	468	479	VB 9	1651	35429	0.07%	0.013%
14	5.964	484	491	516	VV	513127	9363633	18.98%	3.488%
15	6.939	655	657	664	VV 4	1762	25585	0.05%	0.010%
16	7.738	784	793	796	VV 2	5579	99818	0.20%	0.037%
17	7.762	796	797	802	VV 3	3958	55642	0.11%	0.021%
18	8.743	956	964	970	PV 8	2784	66475	0.13%	0.025%
19	8.820	973	977	987	VV 9	2428	61936	0.13%	0.023%
20	9.301	1056	1059	1071	VV 4	2014	64500	0.13%	0.024%
21	9.936	1157	1167	1184	VV	1781263	34008611	68.93%	12.667%
22	10.271	1217	1224	1227	PV 6	1137	25205	0.05%	0.009%
23	11.863	1490	1495	1506	VV 5	1844	35540	0.07%	0.013%
24	12.039	1518	1525	1533	BV 4	3233	55309	0.11%	0.021%
25	13.432	1748	1762	1781	PV	2431006	45533260	92.29%	16.960%
26	13.585	1781	1788	1795	VV	7406	138308	0.28%	0.052%
27	15.700	2143	2148	2159	VV 5	2187	44522	0.09%	0.017%
28	15.905	2176	2183	2190	VV 5	1850	40719	0.08%	0.015%
29	16.746	2317	2326	2341	PV 4	3912	79030	0.16%	0.029%
30	18.567	2622	2636	2659	PV	2554871	49338735	100.00%	18.377%
31	18.961	2695	2703	2709	PV 5	2095	38783	0.08%	0.014%
32	20.535	2958	2971	2984	PV	345533	6192942	12.55%	2.307%
33	22.574	3307	3318	3344	BV 2	18078	362150	0.73%	0.135%
34	22.950	3370	3382	3403	PV 2	2292843	47742390	96.76%	17.783%
35	23.109	3403	3409	3429	VV 2	25010	622430	1.26%	0.232%
36	30.806	4708	4719	4746	VV 2	1756874	40469031	82.02%	15.074%
37	30.970	4746	4747	4757	VV 5	11403	313788	0.64%	0.117%

38	31.035	4757	4758	4772	VV	5	5196	193754	0.39%	0.072%
39	31.376	4810	4816	4826	PV	5	4432	98056	0.20%	0.037%
40	34.707	5361	5383	5430	VV	2	1196339	31504396	63.85%	11.734%
41	34.995	5430	5432	5435	VV	4	5916	92709	0.19%	0.035%
42	35.042	5435	5440	5448	VV	8	5016	173822	0.35%	0.065%
43	35.418	5500	5504	5511	VV	6	3092	68601	0.14%	0.026%
44	36.488	5676	5686	5688	VV	4	2486	67816	0.14%	0.025%
45	36.505	5688	5689	5696	VV	6	2807	55441	0.11%	0.021%
46	37.786	5899	5907	5911	VV	6	2267	59672	0.12%	0.022%
47	39.326	6163	6169	6174	PV	7	1084	16824	0.03%	0.006%

Sum of corrected areas: 268477761

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\050802\10303.D
Operator : Mclean
Acquired : 8 May 2002 5:53 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/1 eh
Misc Info :
Vial Number: 6
Quant File :050102.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10303.D Vial: 6
Acq On : 8 May 2002 5:53 pm Operator: Mclean
Sample : 5/1 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

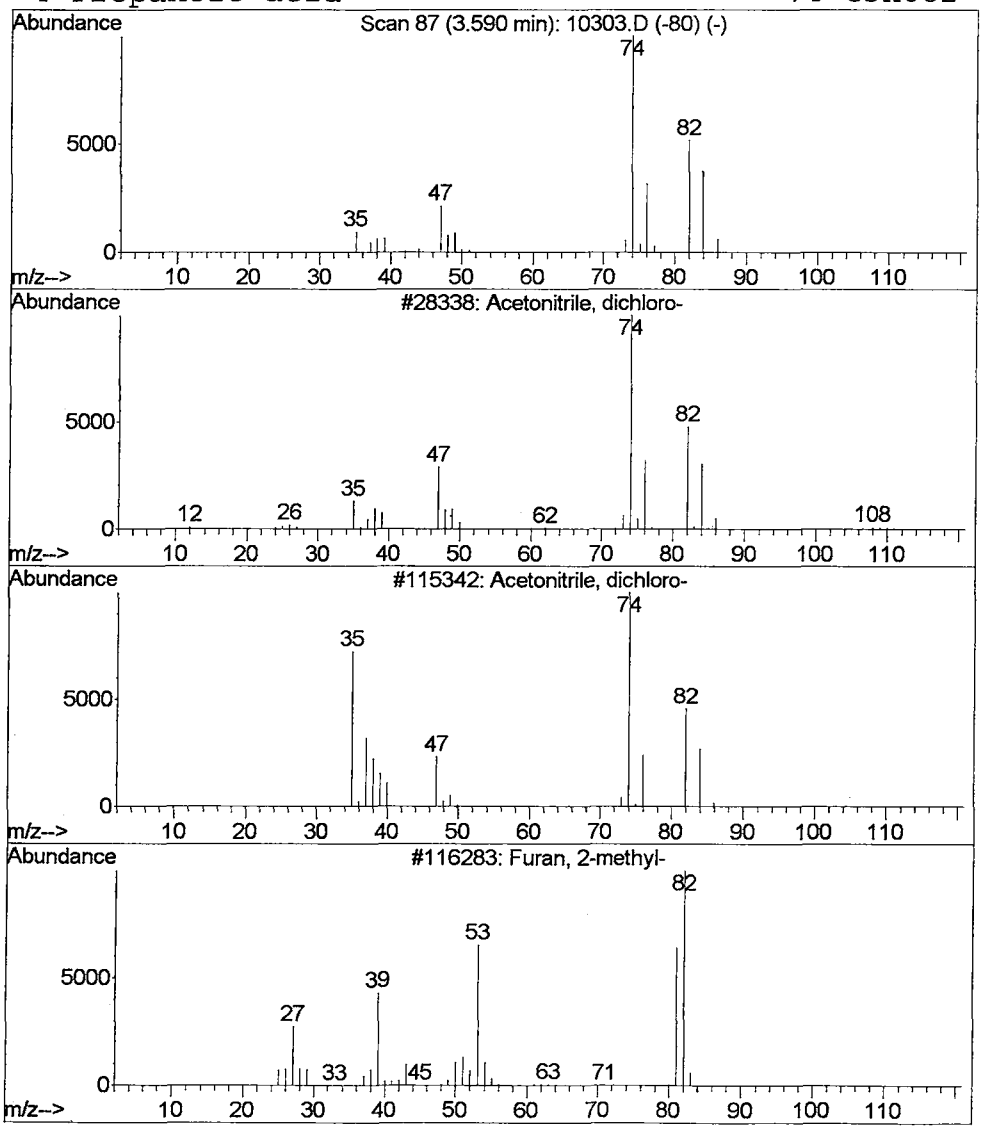
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

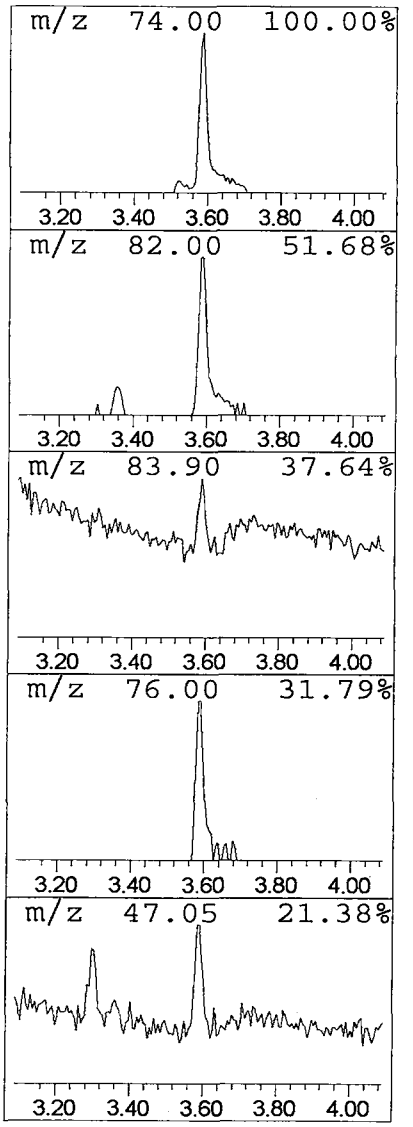
****

Peak Number 1 Acetonitrile, dichloro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.59	0.31 ug/L	260832	1,4-Dichlorobenzene-d4	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	86
2	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	64
3	Furan, 2-methyl-	82	C5H6O	000534-22-5	5
4	Propanoic acid	74	C3H6O2	000079-09-4	4





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10303.D Vial: 6
Acq On : 8 May 2002 5:53 pm Operator: Mclean
Sample : 5/1 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

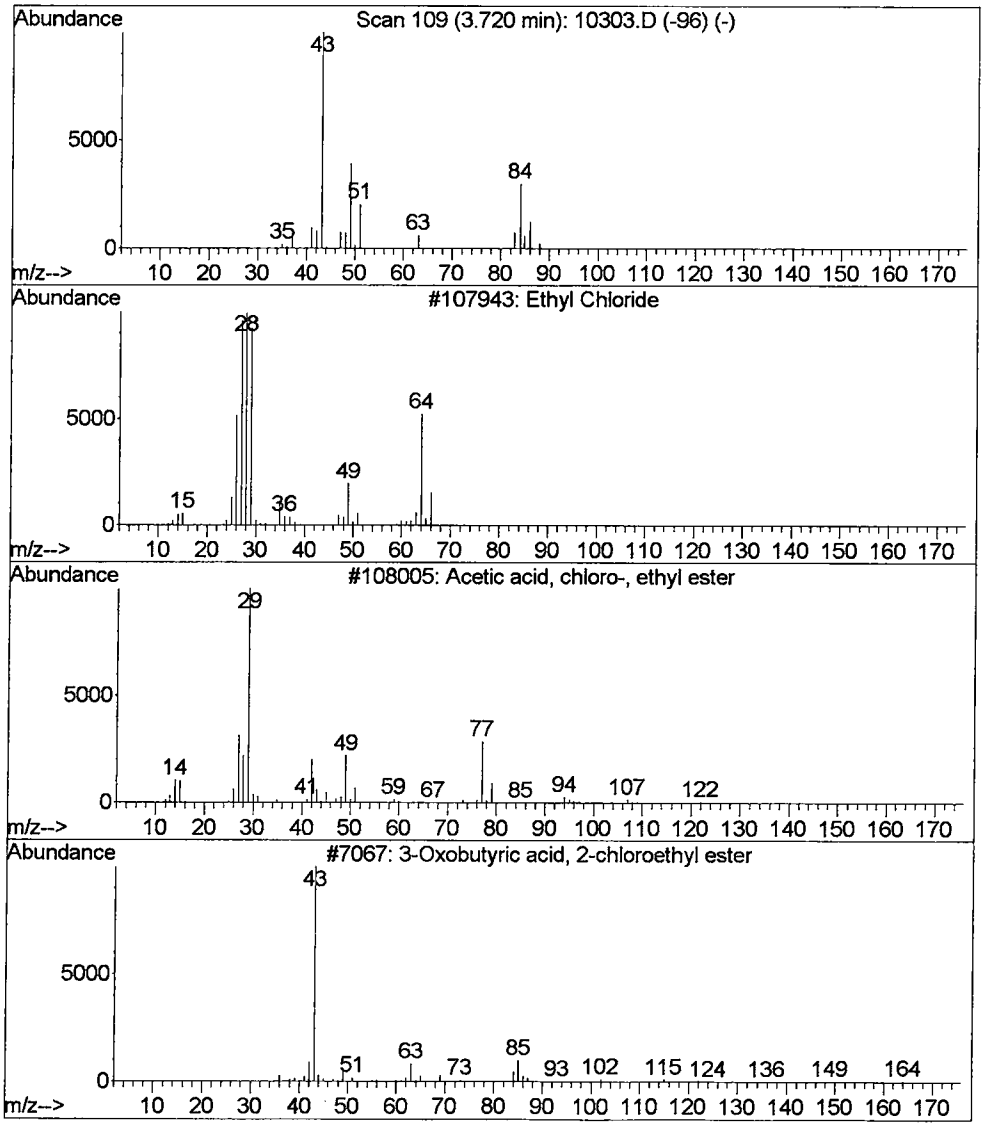
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

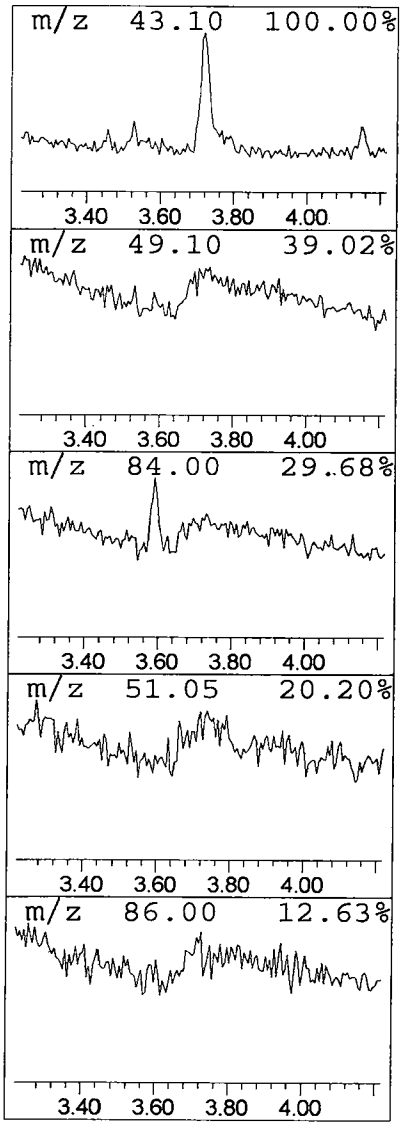
****

Peak Number 2 Ethyl Chloride Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.72	0.36 ug/L	307741	1,4-Dichlorobenzene-d4	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Chloride	64	C2H5Cl	000075-00-3	9
2	Acetic acid, chloro-, ethyl ester	122	C4H7ClO2	000105-39-5	4
3	3-Oxobutyric acid, 2-chloroethyl...	164	C6H9ClO3	1000210-13-3	4
4	2-Chloroethanol	80	C2H5ClO	000107-07-3	4





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10303.D Vial: 6
Acq On : 8 May 2002 5:53 pm Operator: Mclean
Sample : 5/1 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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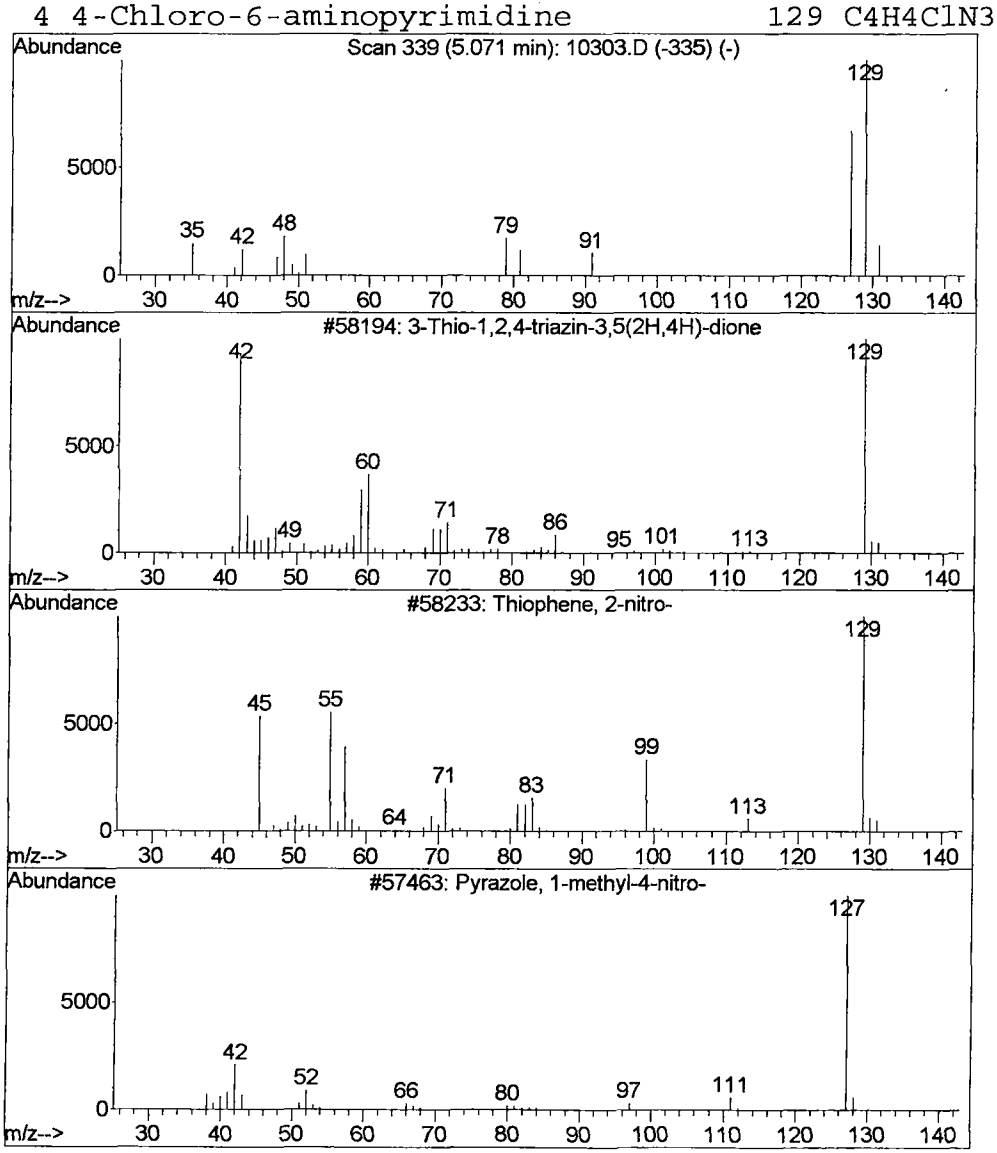
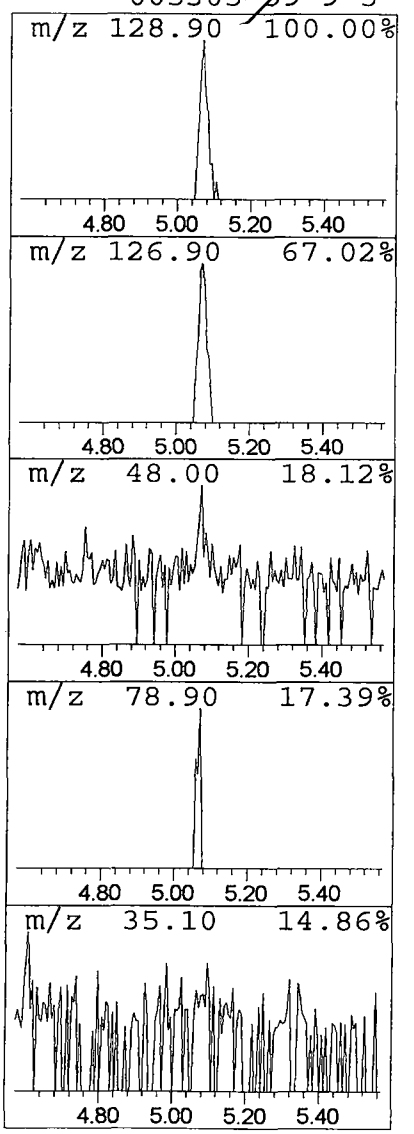
Peak Number 3 3-Thio-1,2,4-triazin-3,5(2H... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	0.23 ug/L	192746	1,4-Dichlorobenzene-d4	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Thio-1,2,4-triazin-3,5(2H,4H)-...	129	C3H3N3OS	1000213-20-1	9
2	Thiophene, 2-nitro-	129	C4H3NO2S	000609-40-5	7
3	Pyrazole, 1-methyl-4-nitro-	127	C4H5N3O2	003994-50-1	5
4	4-Chloro-6-aminopyrimidine	129	C4H4ClN3	005305-59-9	5





Library Search Compound Report

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Acq On : 8 May 2002 5:53 pm Operator: Mclean
Sample : 5/1 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

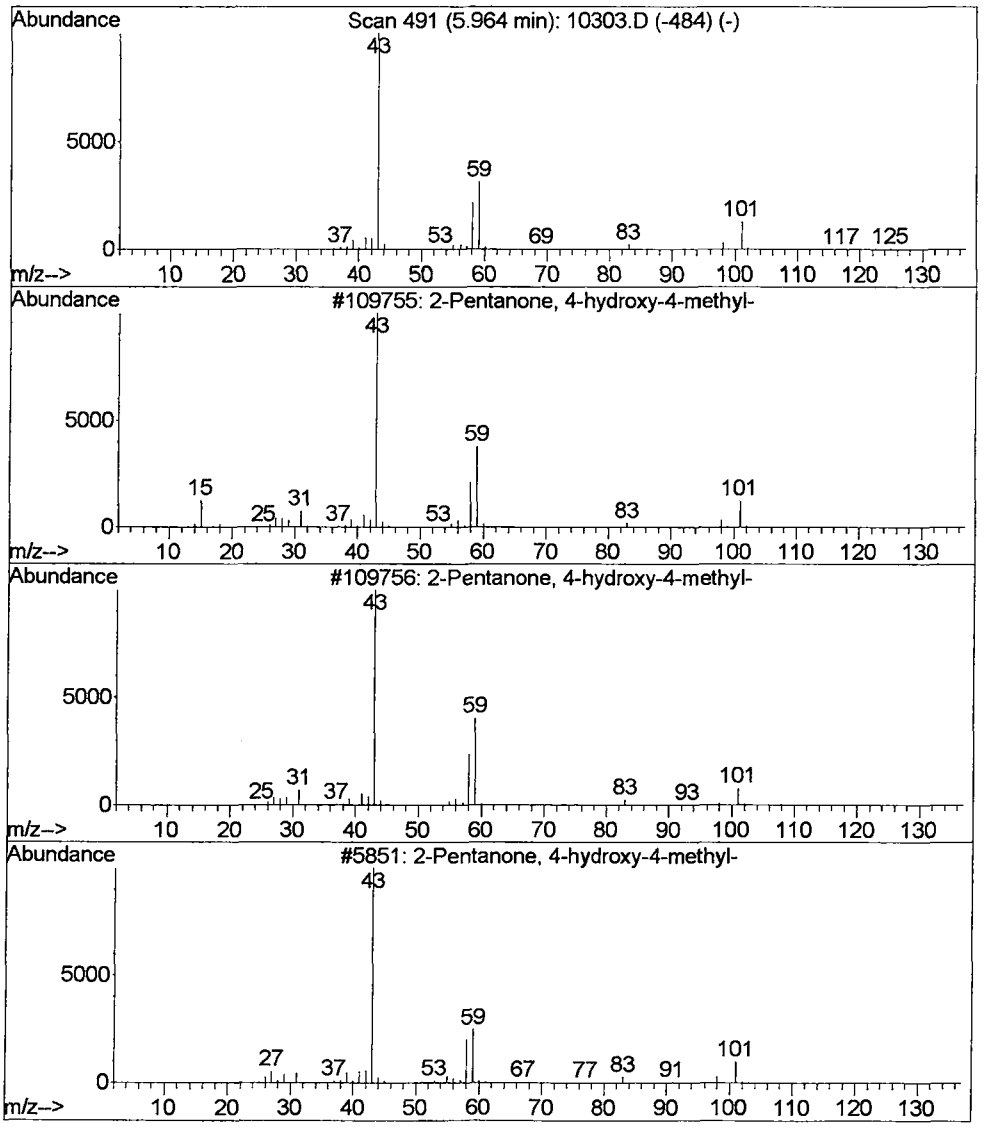
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

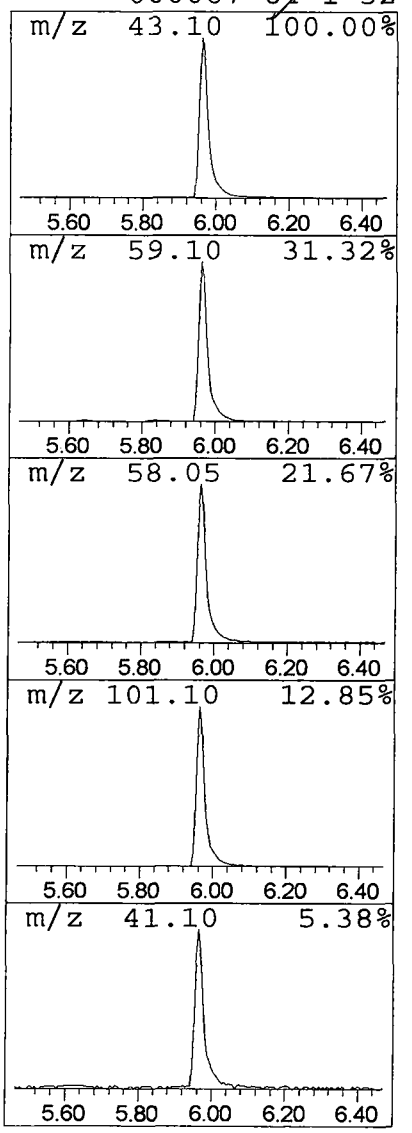
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	11.01 ug/L	9363630	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	78
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	59
4	Acetone	58	C3H6O	000067-64-1	32





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10303.D Vial: 6
Acq On : 8 May 2002 5:53 pm Operator: Mclean
Sample : 5/1 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

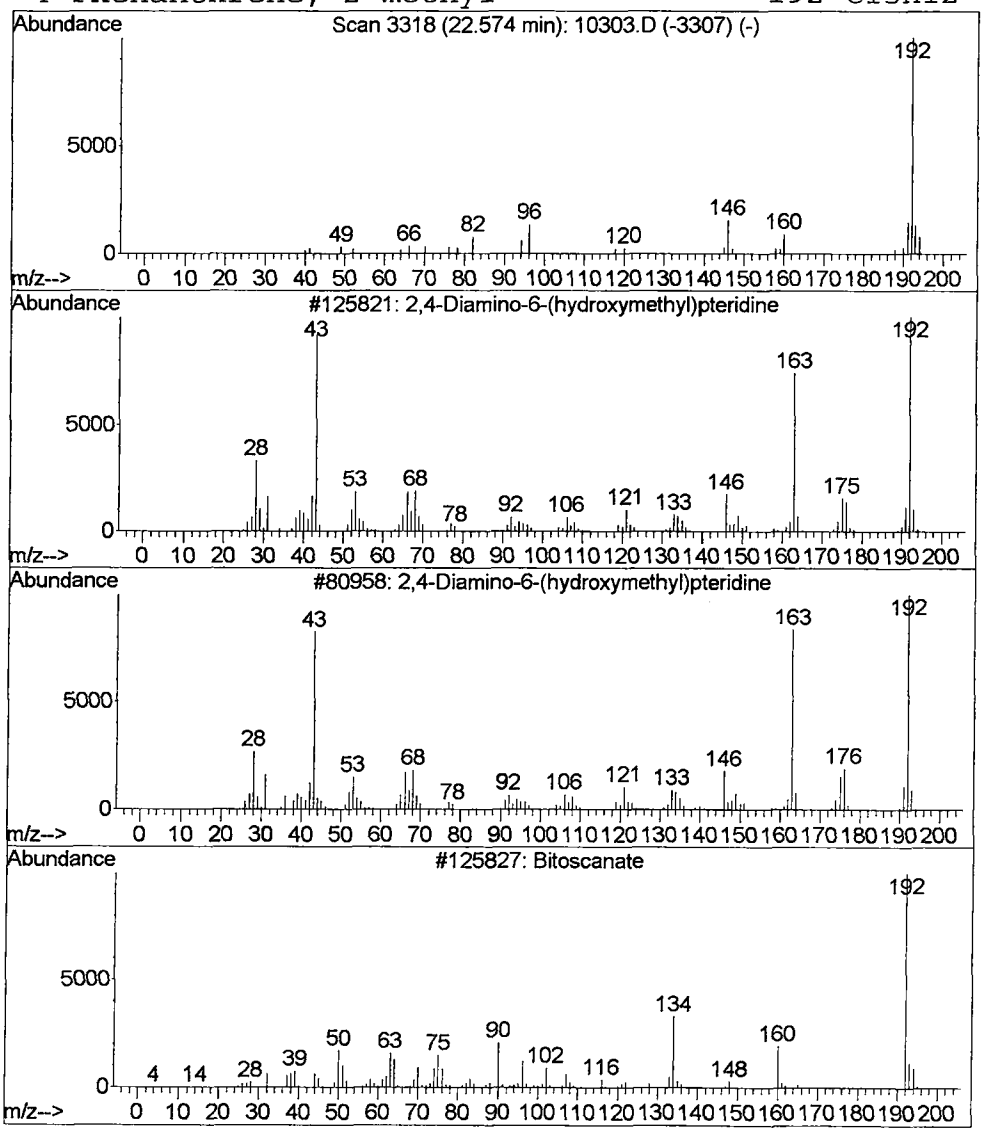
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

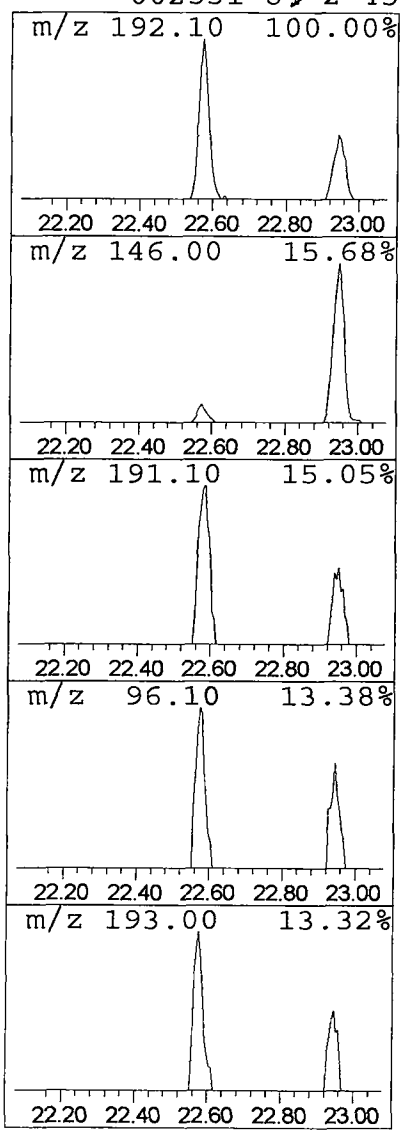
****

Peak Number 5 2,4-Diamino-6-(hydroxymethy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.30 ug/L	362150	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Diamino-6-(hydroxymethyl)pte...	192	C7H8N6O	000945-24-4	59
2	2,4-Diamino-6-(hydroxymethyl)pte...	192	C7H8N6O	000945-24-4	59
3	Bitoscanate	192	C8H4N2S2	004044-65-9	58
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	45





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10303.D Vial: 6
Acq On : 8 May 2002 5:53 pm Operator: Mclean
Sample : 5/1 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

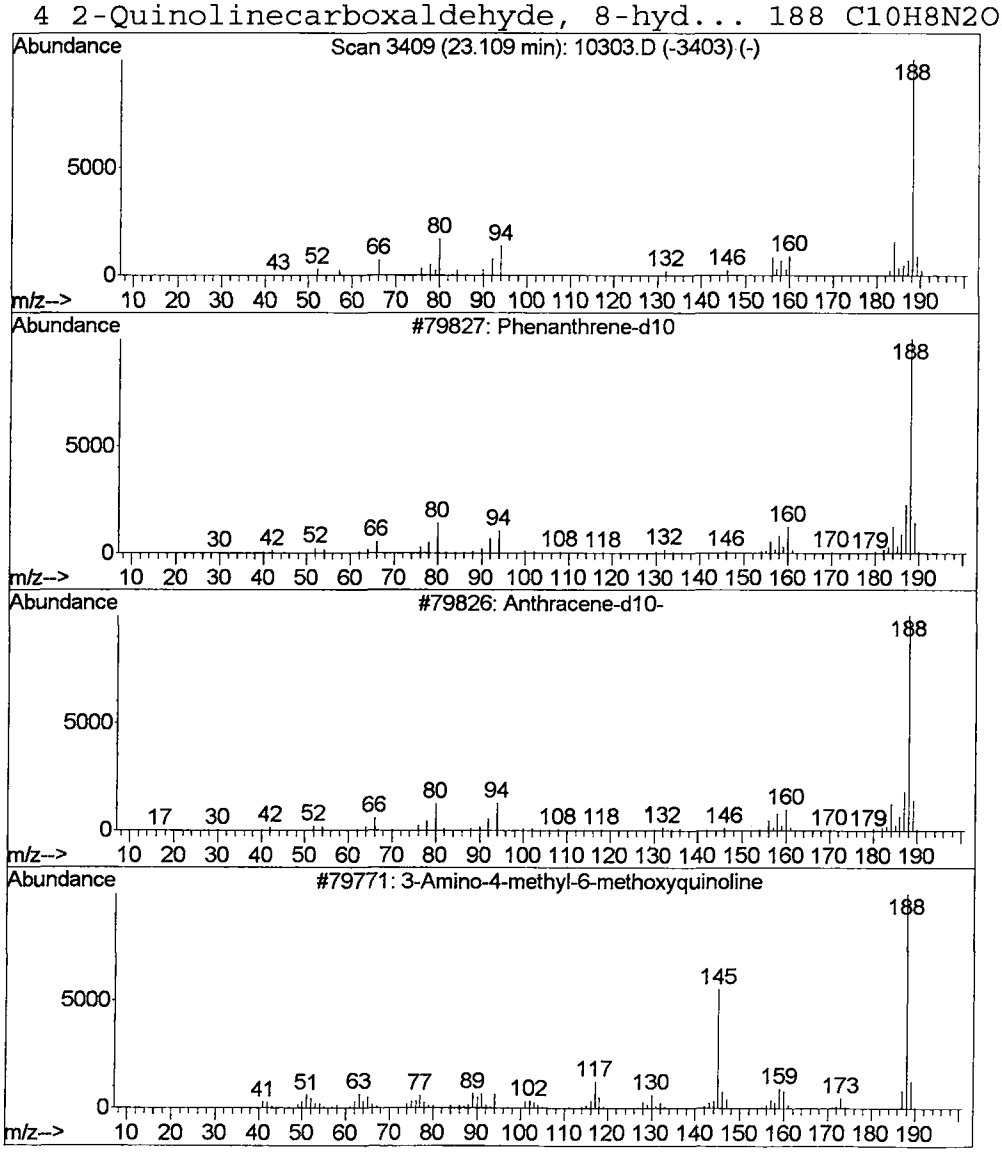
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

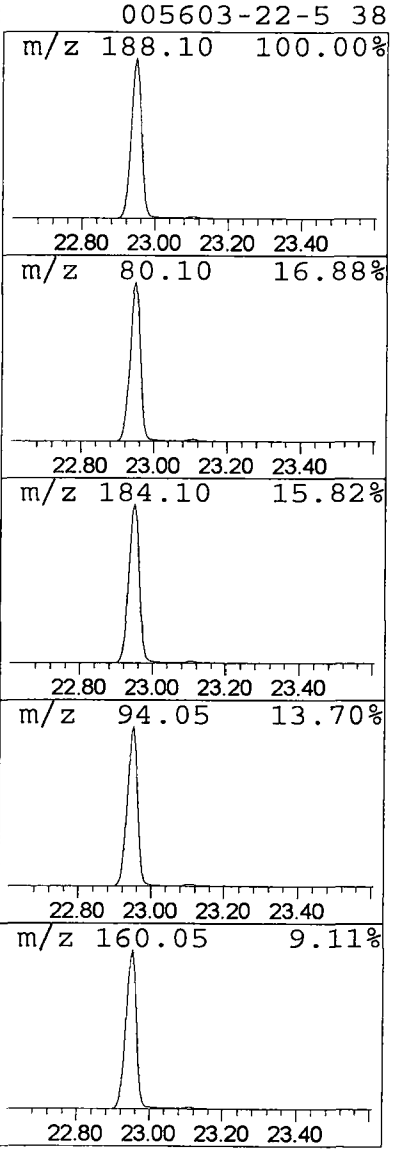
****

Peak Number 6 Phenanthrene-d10 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.52 ug/L	622430	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene-d10	188	C14D10	001517-22-2	83
2	Anthracene-d10-	188	C14D10	001719-06-8	72
3	3-Amino-4-methyl-6-methoxyquinoline	188	C11H12N2O	1000213-71-3	42
4	2-Quinolinecarboxaldehyde, 8-hyd...	188	C10H8N2O2	005603-22-5	38





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10303.D Vial: 6
Acq On : 8 May 2002 5:53 pm Operator: Mclean
Sample : 5/1 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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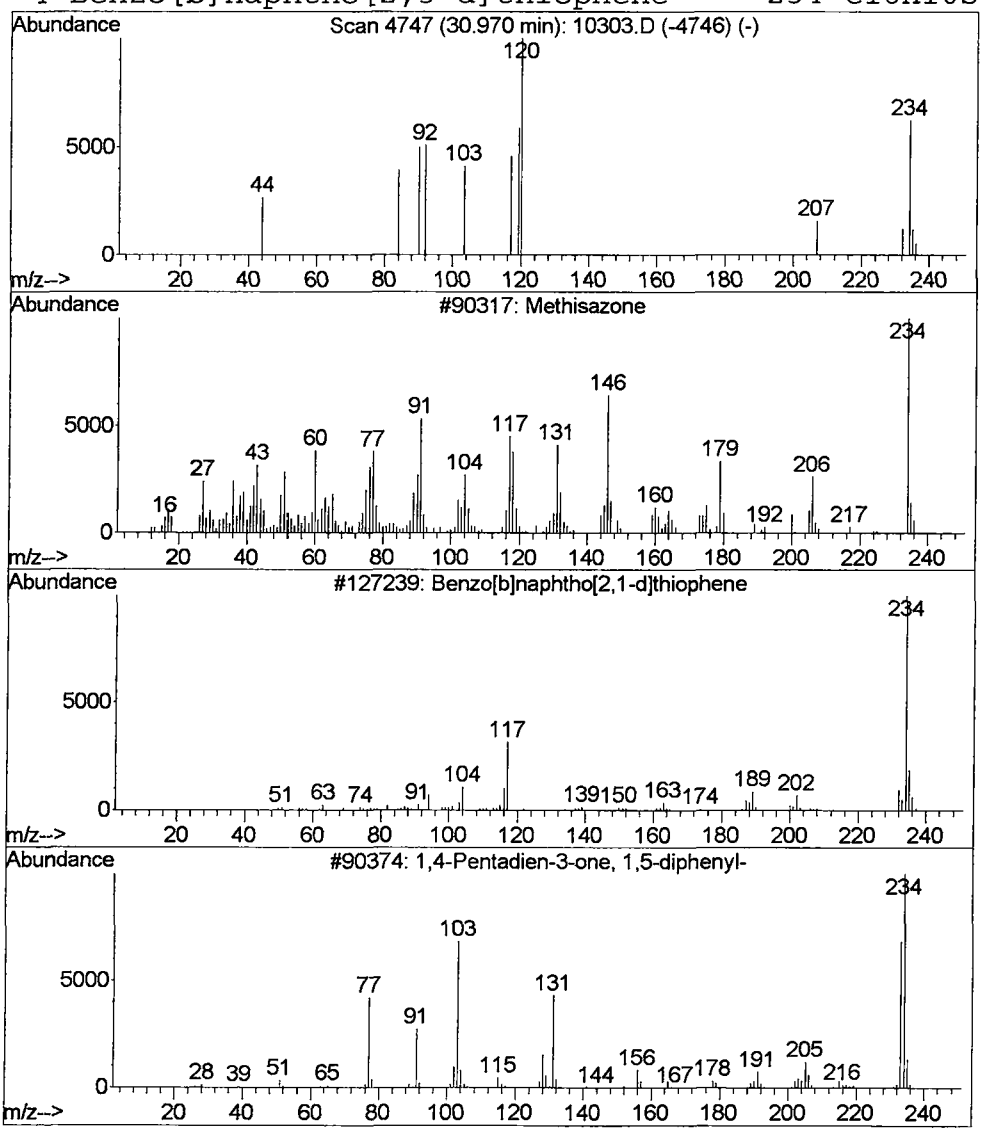
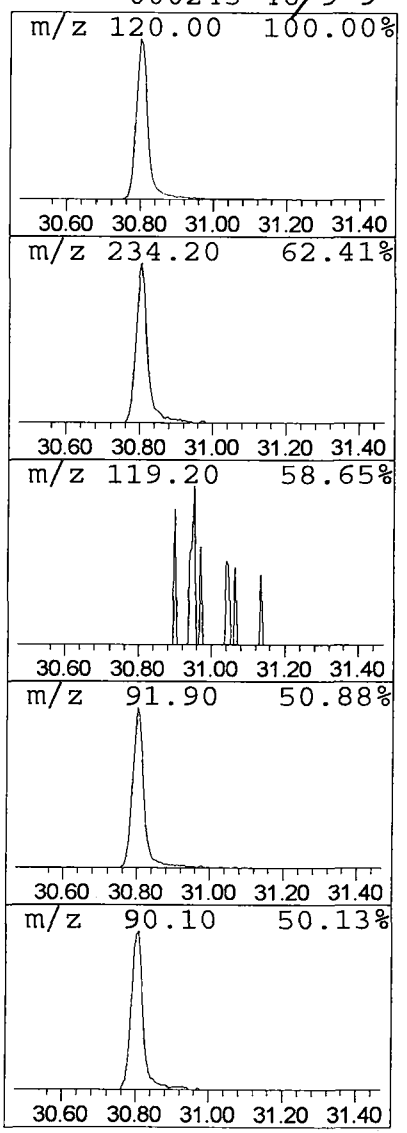
Peak Number 7 Methisazone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
30.97	0.31 ug/L	313788	Chrysene-d12	30.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methisazone	234	C10H10N4OS	001910-68-5	10
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	10
3	1,4-Pentadien-3-one, 1,5-diphenyl-	234	C17H14O	000538-58-9	9
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10303.D Vial: 6
Acq On : 8 May 2002 5:53 pm Operator: Mclean
Sample : 5/1 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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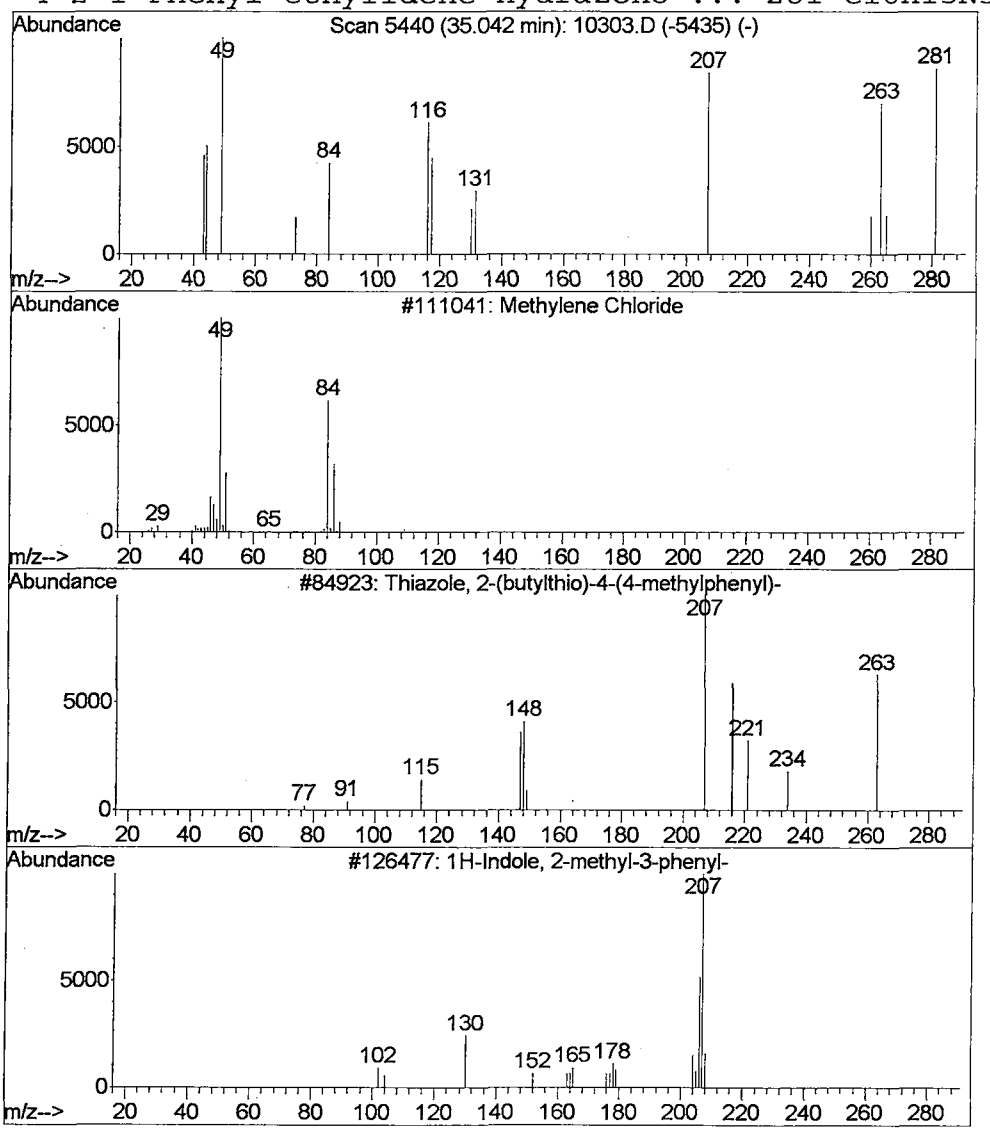
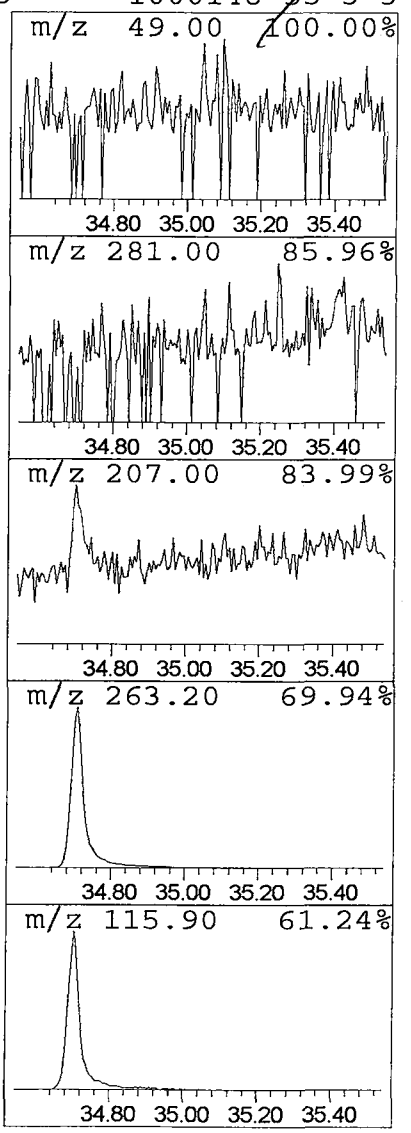
Peak Number 8 Methylene Chloride Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
35.04	0.22 ug/L	173822	Perylene-d12	34.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	7
2	Thiazole, 2-(butylthio)-4-(4-met...	263	C14H17NS2	069390-11-0	5
3	1H-Indole, 2-methyl-3-phenyl-	207	C15H13N	004757-69-1	5
4	2-1-Phenyl ethylidene-hydrazono-...	281	C16H15N3S	1000148-55-3	3





Tentatively Identified Compound (LSC) summary

Operator ID: Mclean Date Acquired: 8 May 2002 5:53 pm
Data File: C:\MSDCHEM\1\DATA\050802\10303.D
Name: 5/1 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
Acetonitrile, dic...	3.59	0.3	ug/L	260832	1	9.93	34008600	40.0
Ethyl Chloride	3.72	0.4	ug/L	307741	1	9.93	34008600	40.0
3-Thio-1,2,4-tria...	5.07	0.2	ug/L	192746	1	9.93	34008600	40.0
2-Pentanone, 4-hy...	5.97	11.0	ug/L	9363630	1	9.93	34008600	40.0
2,4-Diamino-6-(hy...	22.58	0.3	ug/L	362150	4	22.95	47742400	40.0
Phenanthrene-d10	23.11	0.5	ug/L	622430	4	22.95	47742400	40.0
Methisazone	30.97	0.3	ug/L	313788	5	30.81	40469000	40.0
Methylene Chloride	35.04	0.2	ug/L	173822	6	34.71	31504400	40.0