User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/17/2002 Time: 12:15:56

Sample: AE10307
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/17/02 12:15 Ended: 5/17/02 12:15 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		81		10.0

Comments for Sample AE10307 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-17-2002 Time: 12:16:12

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\10307.D Vial: 10
Acq On : 8 May 2002 9:07 pm Operator: Mclean
Sample : 5/1 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 09 11:10:59 2002 Quant Results File: 050102.RES

Quant 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
DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.94	152	6434516	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	25649008	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	13899260	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	20398555	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	15986434	40.00	ug/L	0.00
43) Perylene-d12	34.71	264	10948077	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.54	209	837160	8.06	ug/L	0.00
Spiked Amount 10.000			Recovery = 80.60%			
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

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MS Integration Params: EVENTS.E
Quant Time: May 09 11:10:59 2002 Quant Results File: 050102.RES

Quant 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
DataAcq Meth : 508SCAN

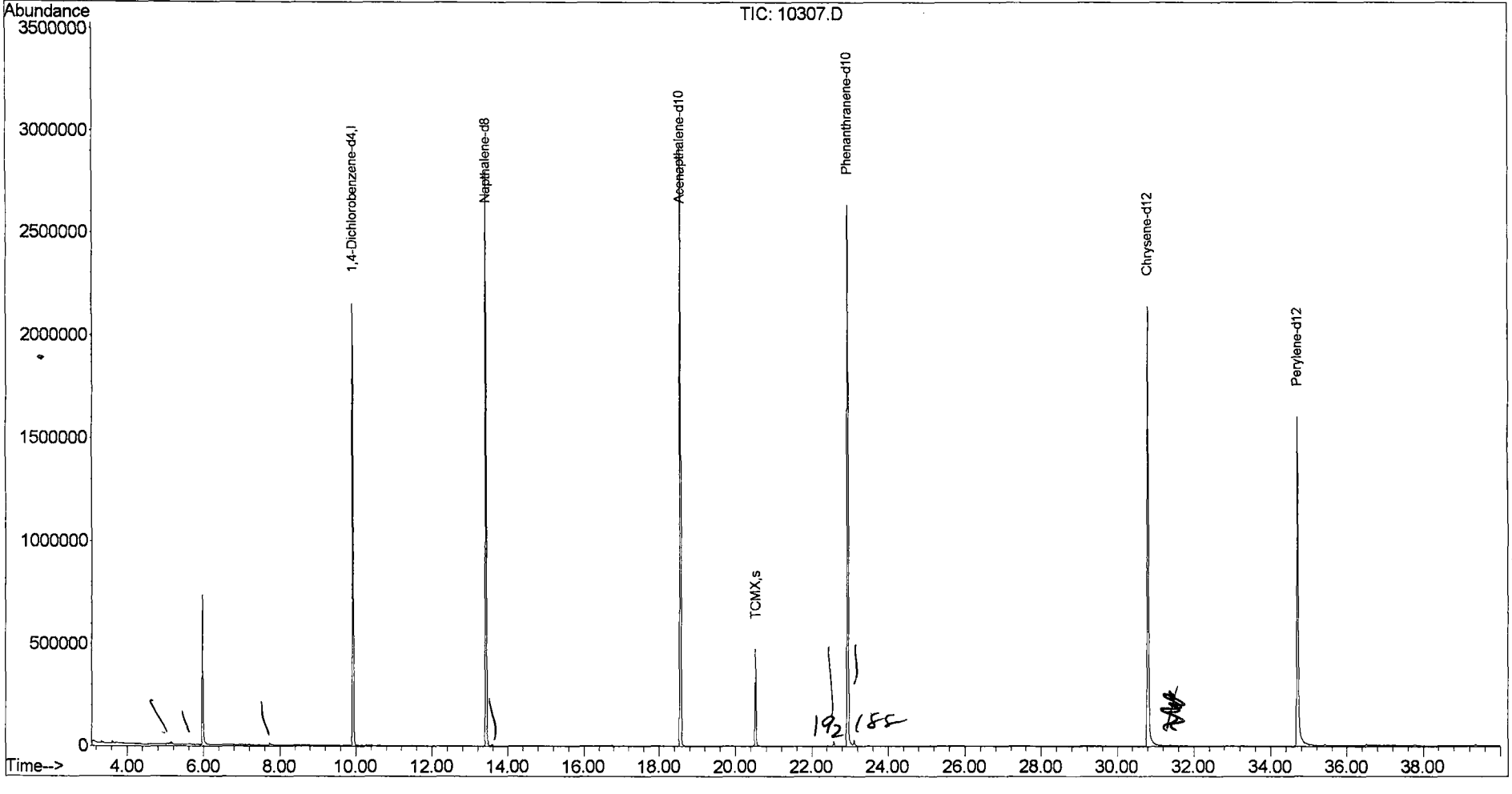
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
34)	Anthracene	0.00	178	0	N.D.	
35)	Di-n-butylphthalate	25.09	149	17641	N.D.	
36)	Fluoroanthene	0.00	202	0	N.D.	
38)	Pyrene	0.00	202	0	N.D.	
39)	Butylbenzylphthalate	0.00	149	0	N.D.	
40)	Benzo(a)anthracene	30.81	228	38162	N.D.	
41)	Bis(2-ethylhexyl)phthalate	31.37	149	31254	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\10307.D Vial: 10
Acq On : 8 May 2002 9:07 pm Operator: Mclean
Sample : 5/1 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 9 13:51 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\10307.D Vial: 10
Acq On : 8 May 2002 9:07 pm Operator: Mclean
Sample : 5/1 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

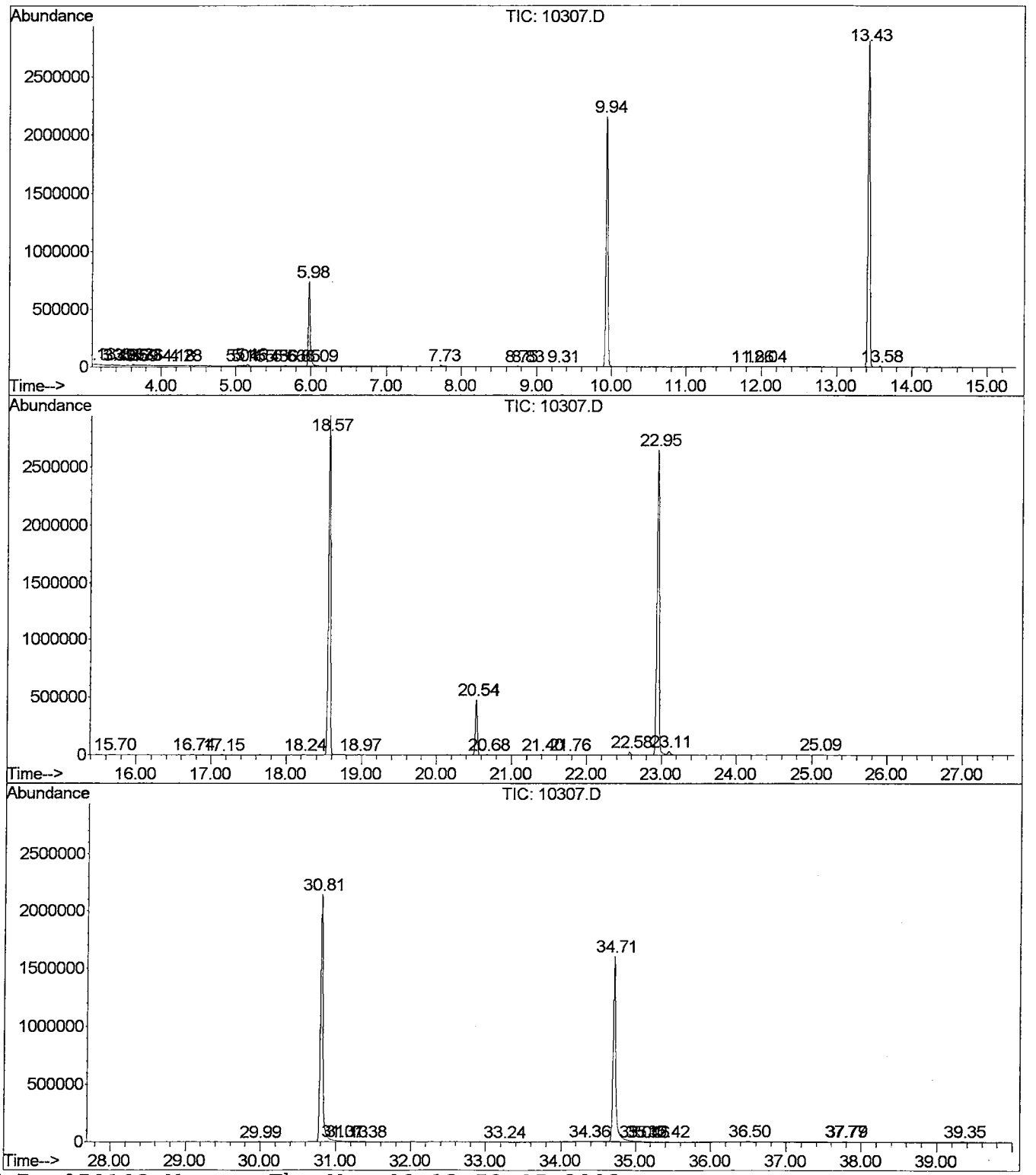
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.132	5	9	27	BV 3	4818	109420	0.19%	0.034%
2	3.349	40	46	51	PV 3	7872	134653	0.24%	0.042%
3	3.396	51	54	77	VV 3	2834	58880	0.10%	0.018%
4	3.549	77	80	84	PV 4	3838	49103	0.09%	0.015%
5	3.632	89	94	101	PV	11644	197187	0.34%	0.061%
6	3.690	101	104	107	VV 4	2430	42712	0.07%	0.013%
7	3.731	107	111	113	VV 4	4598	71324	0.12%	0.022%
8	3.755	113	115	121	VV 4	5796	123169	0.22%	0.038%
9	4.184	182	188	192	VV 7	2312	50373	0.09%	0.016%
10	4.278	200	204	208	VV 6	3505	59342	0.10%	0.018%
11	5.036	327	333	341	PV 9	4877	138265	0.24%	0.043%
12	5.106	341	345	350	VV 5	7581	141639	0.25%	0.044%
13	5.159	350	354	369	VV 3	13693	291435	0.51%	0.090%
14	5.429	389	400	407	VV 6	2625	85440	0.15%	0.026%
15	5.559	413	422	430	VV 7	2396	89346	0.16%	0.028%
16	5.664	435	440	450	VV 7	3634	97523	0.17%	0.030%
17	5.852	454	472	480	PV 6	2451	85731	0.15%	0.027%
18	5.976	485	493	512	PV	724097	12463714	21.80%	3.862%
19	6.093	512	513	517	VV 3	2279	22774	0.04%	0.007%
20	7.733	788	792	805	PV	9349	222384	0.39%	0.069%
21	8.749	958	965	973	BV 5	3186	63422	0.11%	0.020%
22	8.831	973	979	983	VV 4	1932	37974	0.07%	0.012%
23	9.307	1055	1060	1070	PV 7	2308	48882	0.09%	0.015%
24	9.936	1152	1167	1184	PV	2122878	39097098	68.38%	12.113%
25	11.863	1492	1495	1501	VV 4	2510	41087	0.07%	0.013%
26	12.039	1521	1525	1531	VV 6	2290	41911	0.07%	0.013%
27	13.432	1748	1762	1779	PV	2806995	52542367	91.89%	16.279%
28	13.585	1779	1788	1795	VV	8668	180136	0.32%	0.056%
29	15.700	2137	2148	2160	VV 4	2600	58564	0.10%	0.018%
30	16.746	2311	2326	2336	VV	4943	91861	0.16%	0.028%
31	17.145	2391	2394	2399	VV 4	1912	29181	0.05%	0.009%
32	18.238	2573	2580	2585	PV 5	2323	34073	0.06%	0.011%
33	18.573	2626	2637	2658	PV	2901791	57178998	100.00%	17.716%
34	18.967	2697	2704	2720	PV 4	1927	59008	0.10%	0.018%
35	20.536	2960	2971	2981	PV	462749	8262157	14.45%	2.560%
36	20.682	2991	2996	3004	VV 4	2345	36602	0.06%	0.011%
37	21.393	3112	3117	3124	VV 4	2610	43951	0.08%	0.014%

38	21.758	3171	3179	3186	VV	6	2050	41263	0.07%	0.013%
39	22.580	3311	3319	3330	PV	2	23820	446960	0.78%	0.138%
40	22.956	3371	3383	3402	PV	2	2637321	56107648	98.13%	17.384%
41	23.109	3402	3409	3432	VV		29717	812212	1.42%	0.252%
42	25.095	3739	3747	3754	PV	6	3153	65647	0.11%	0.020%
43	29.983	4574	4579	4582	VV	3	1860	29516	0.05%	0.009%
44	30.806	4706	4719	4762	PV	2	2120871	50439716	88.21%	15.628%
45	31.070	4762	4764	4772	VV	7	5260	149652	0.26%	0.046%
46	31.129	4772	4774	4776	VV	3	3348	44357	0.08%	0.014%
47	31.382	4808	4817	4843	VV	4	6401	233612	0.41%	0.072%
48	33.239	5126	5133	5139	VV	4	2156	60084	0.11%	0.019%
49	34.361	5317	5324	5339	PV	7	2182	61567	0.11%	0.019%
50	34.707	5367	5383	5438	BV	2	1581170	40910828	71.55%	12.675%
51	35.036	5438	5439	5452	VV	7	4610	172390	0.30%	0.053%
52	35.125	5452	5454	5458	VV	5	3401	55147	0.10%	0.017%
53	35.154	5458	5459	5462	VV	2	3131	34015	0.06%	0.011%
54	35.418	5499	5504	5516	VV	5	5583	132454	0.23%	0.041%
55	36.499	5673	5688	5699	VV	6	6711	213833	0.37%	0.066%
56	37.769	5896	5904	5906	VV	5	5418	90840	0.16%	0.028%
57	37.786	5906	5907	5916	VV	6	5374	97251	0.17%	0.030%
58	39.349	6153	6173	6182	PV	9	4272	178017	0.31%	0.055%

Sum of corrected areas: 322758693

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\050802\10307.D
Operator : Mclean
Acquired : 8 May 2002 9:07 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/1 eh
Misc Info :
Vial Number: 10
Quant File :050102.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10307.D Vial: 10
Acq On : 8 May 2002 9:07 pm Operator: Mclean
Sample : 5/1 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

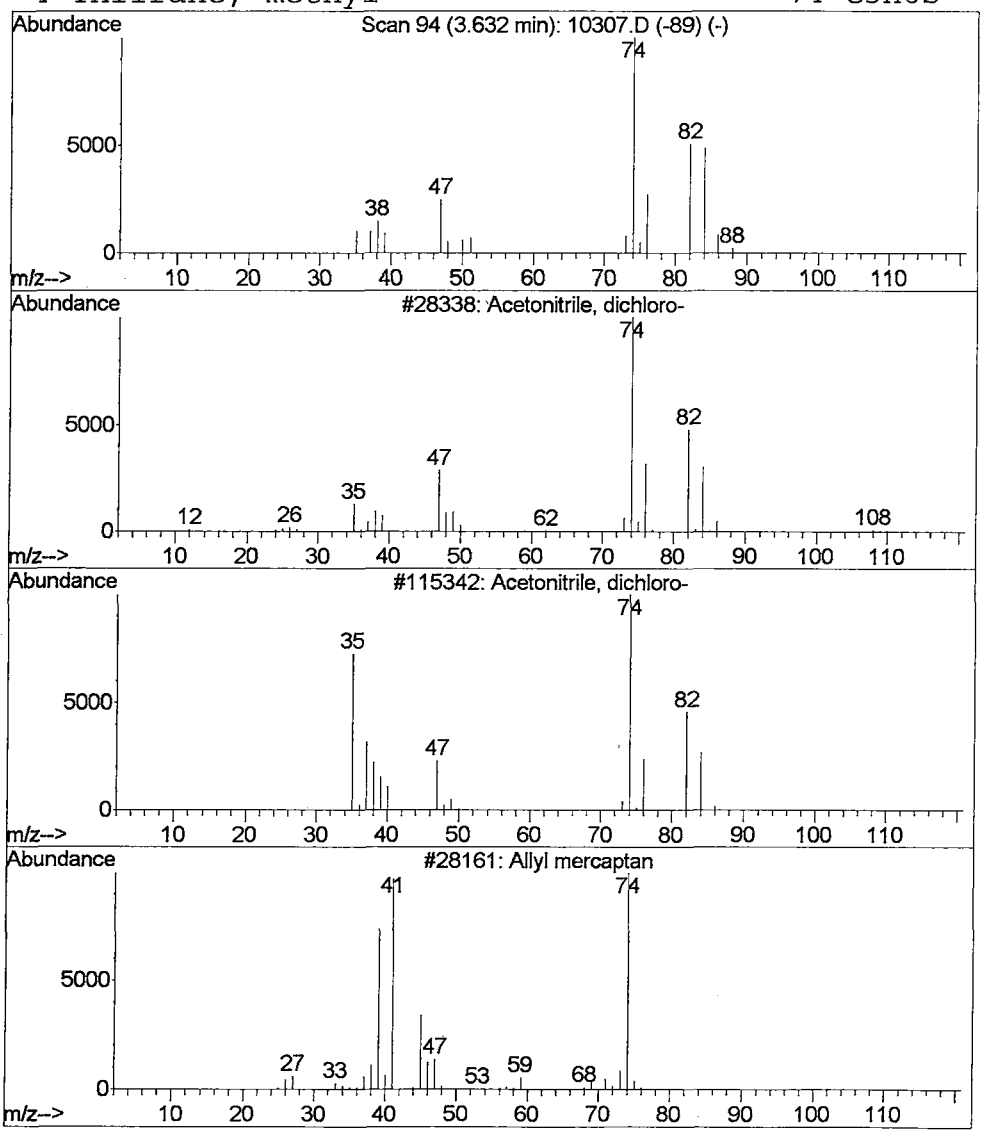
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

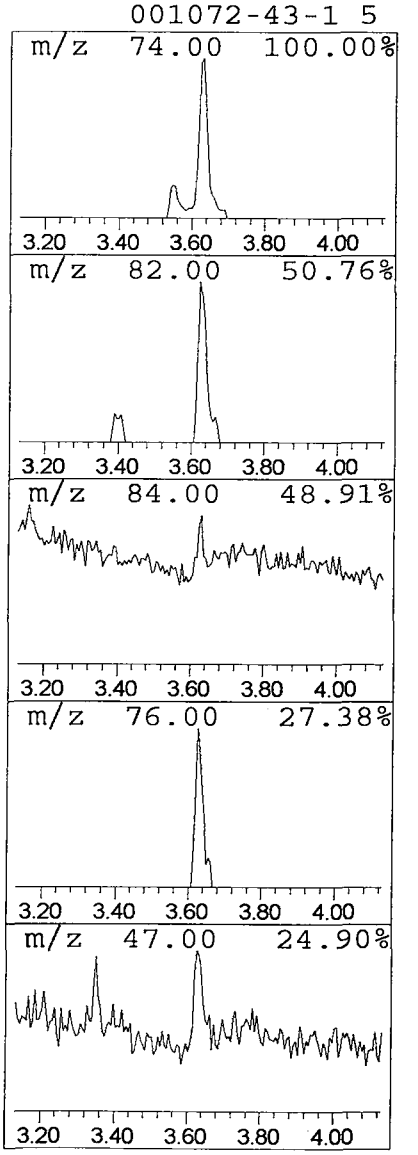
****

Peak Number 1 Acetonitrile, dichloro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.63	0.20 ug/L	197187	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	59
2	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	36
3	Allyl mercaptan	74	C3H6S	000870-23-5	32
4	Thiirane, methyl-	74	C3H6S	001072-43-1	5





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10307.D
Acq On : 8 May 2002 9:07 pm
Sample : 5/1 eh
Misc :
MS Integration Params: LSCINT.e

Vial: 10
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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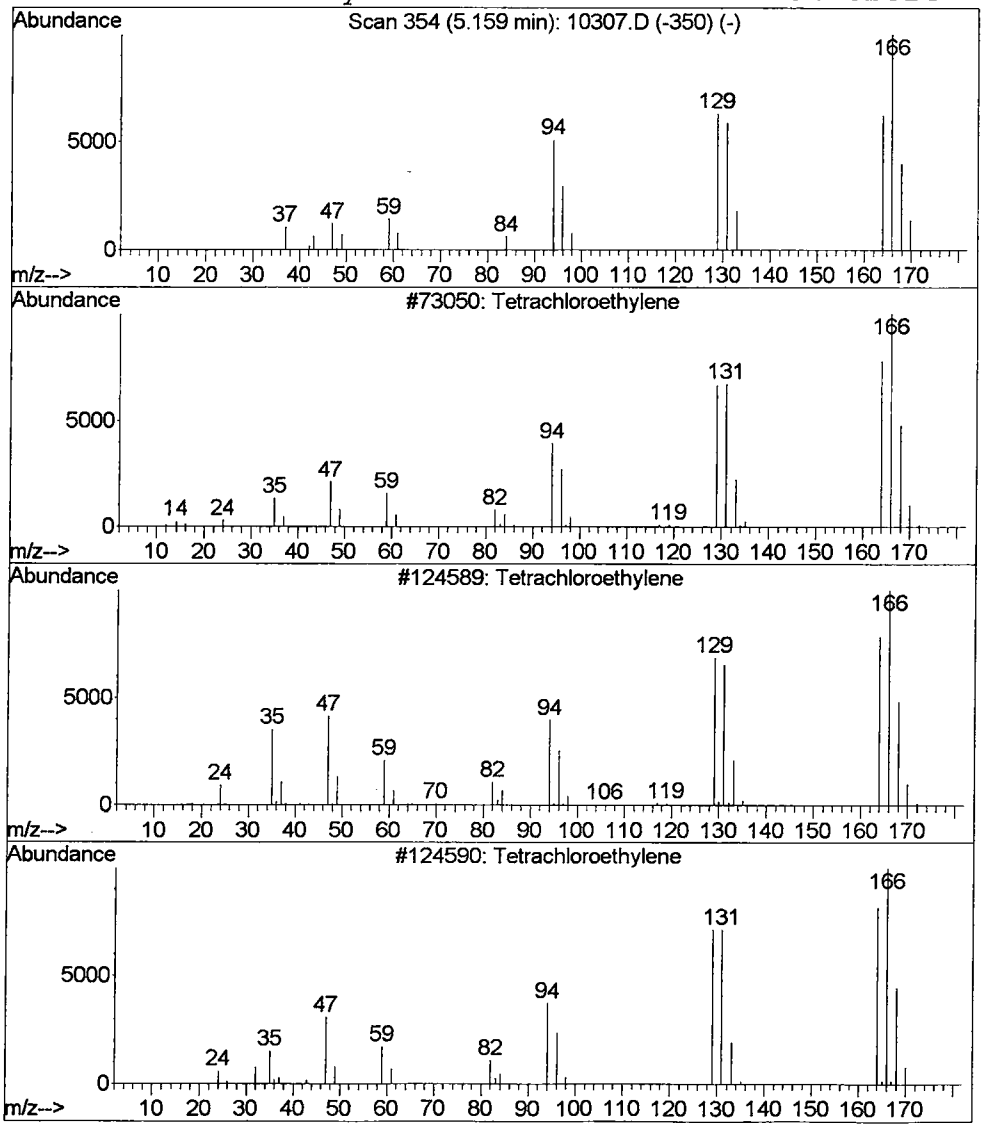
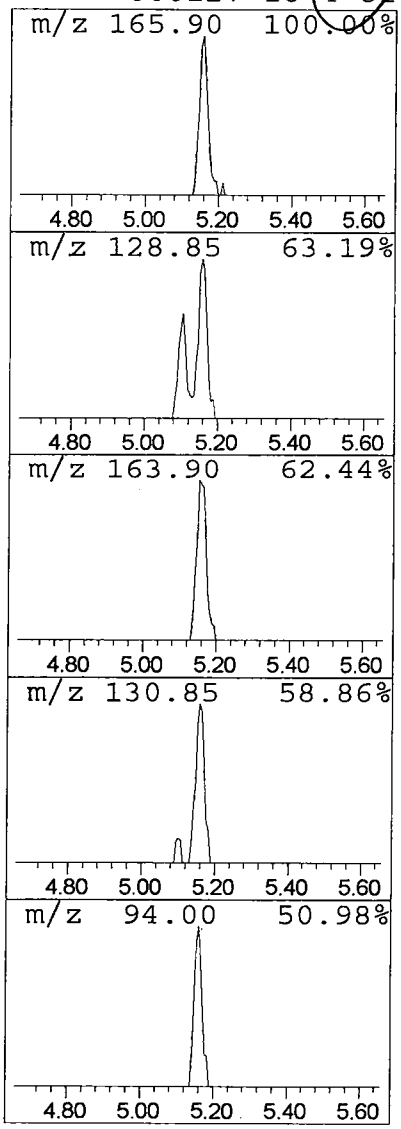
Peak Number 2 Tetrachloroethylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.16	0.30 ug/L	291435	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrachloroethylene	164	C2Cl4	000127-18-4	94
2	Tetrachloroethylene	164	C2Cl4	000127-18-4	93
3	Tetrachloroethylene	164	C2Cl4	000127-18-4	89
4	Tetrachloroethylene	164	C2Cl4	000127-18-4	81





Library Search Compound Report

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Acq On : 8 May 2002 9:07 pm Operator: Mclean
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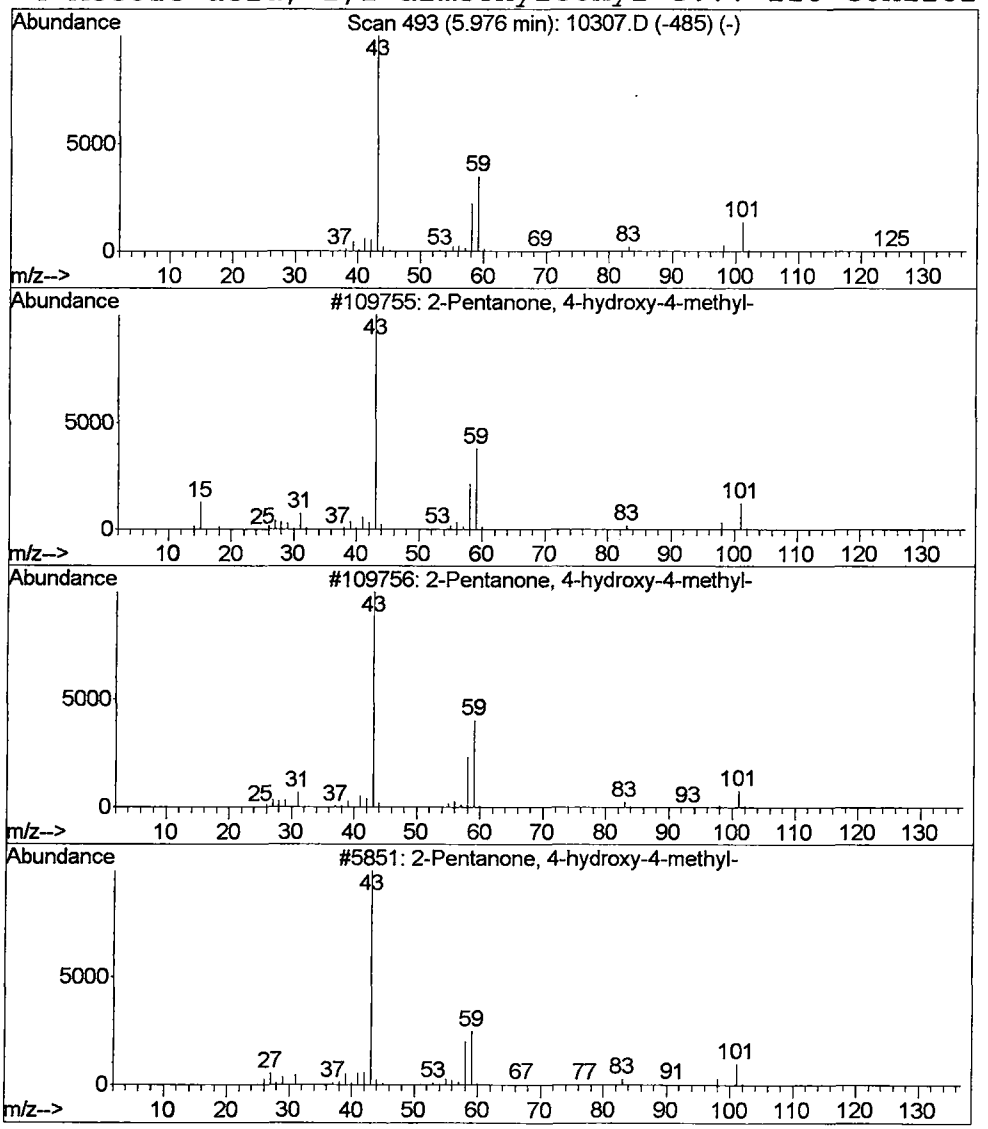
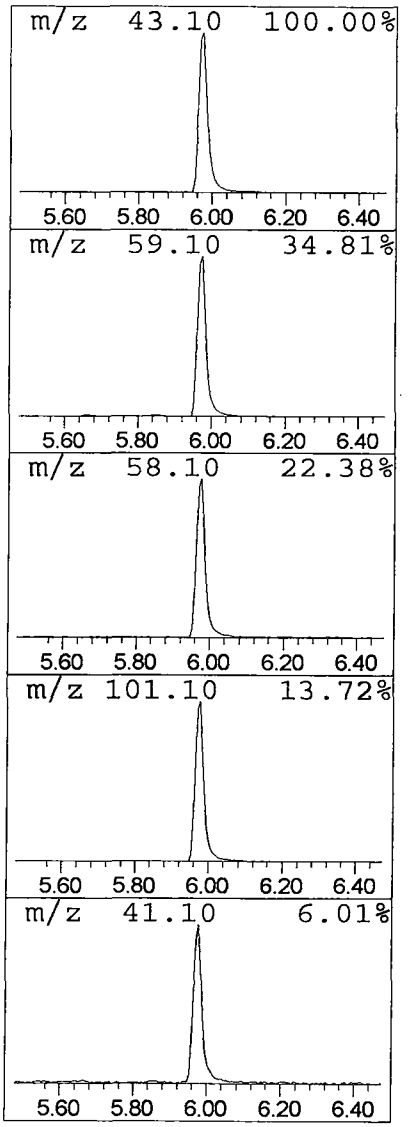
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.98	12.75 ug/L	12463700	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	86
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	59
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	36





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10307.D Vial: 10
Acq On : 8 May 2002 9:07 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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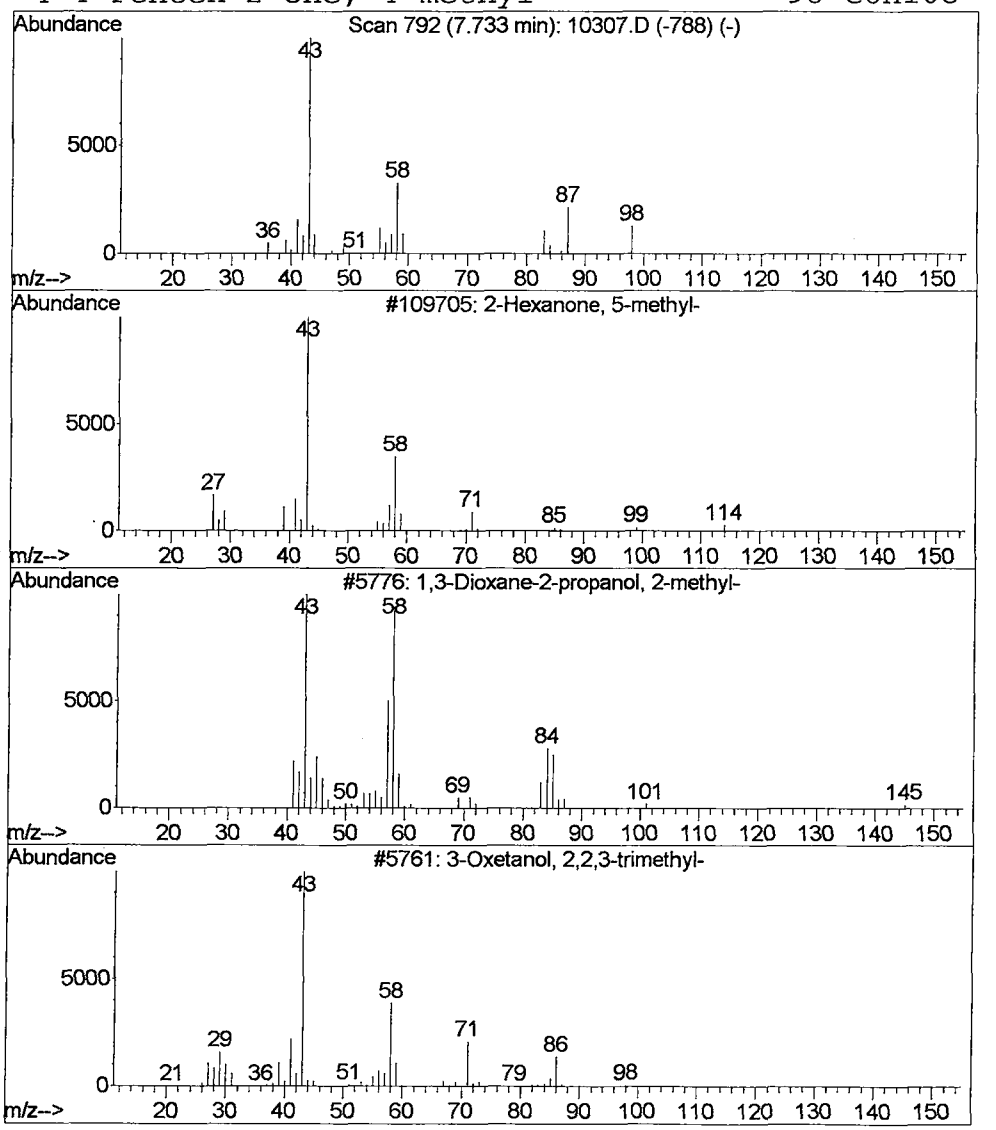
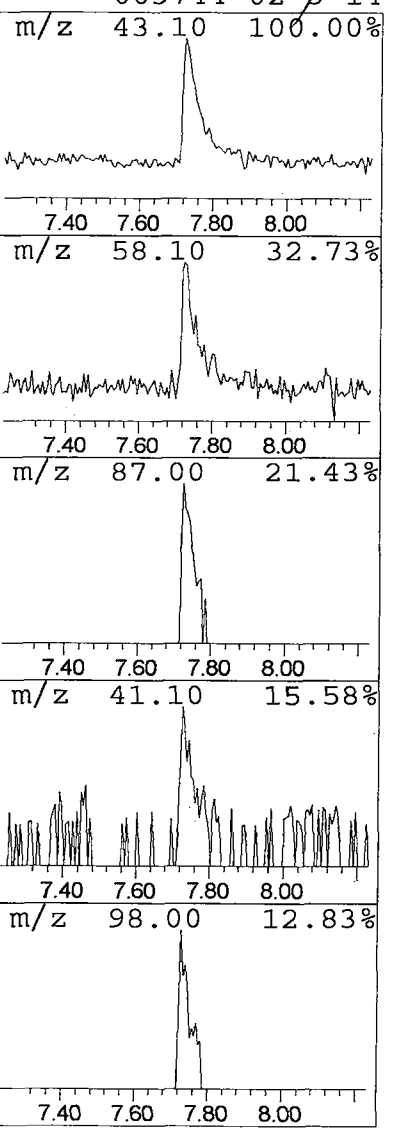
Peak Number 4 2-Hexanone, 5-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	0.23 ug/L	222384	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	17
2	1,3-Dioxane-2-propanol, 2-methyl-	160	C8H16O3	036651-31-7	17
3	3-Oxetanol, 2,2,3-trimethyl-	116	C6H12O2	025910-96-7	17
4	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	14





Library Search Compound Report

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Acq On : 8 May 2002 9:07 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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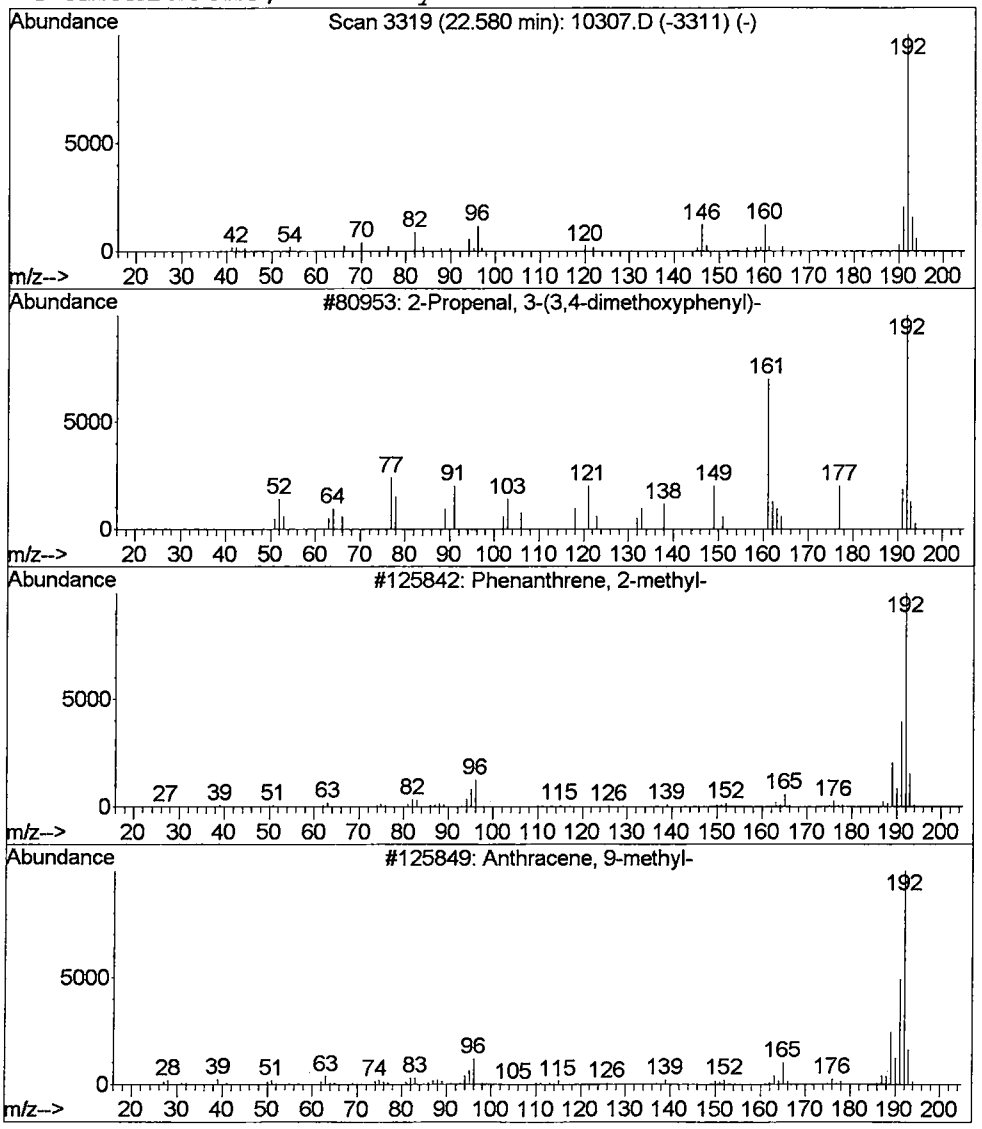
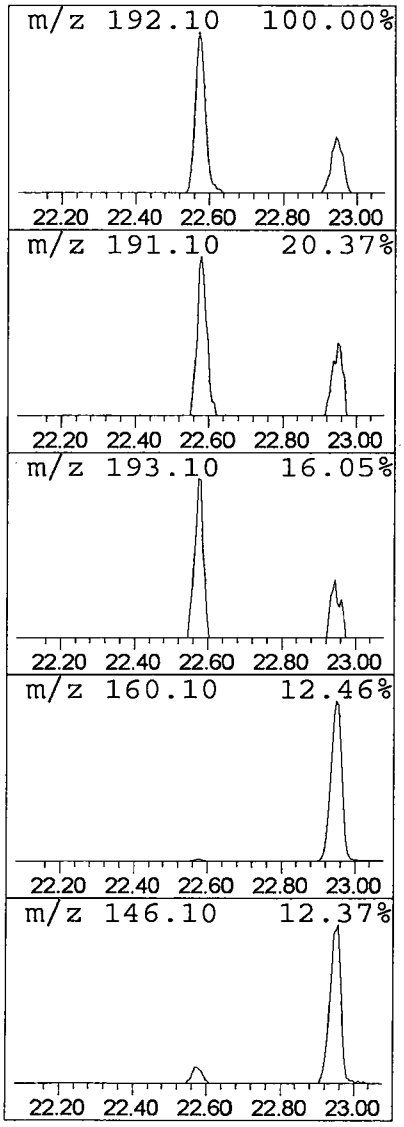
Peak Number 5 2-Propenal, 3-(3,4-dimethox... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.32 ug/L	446960	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	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	40
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	40
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	40





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10307.D Vial: 10
Acq On : 8 May 2002 9:07 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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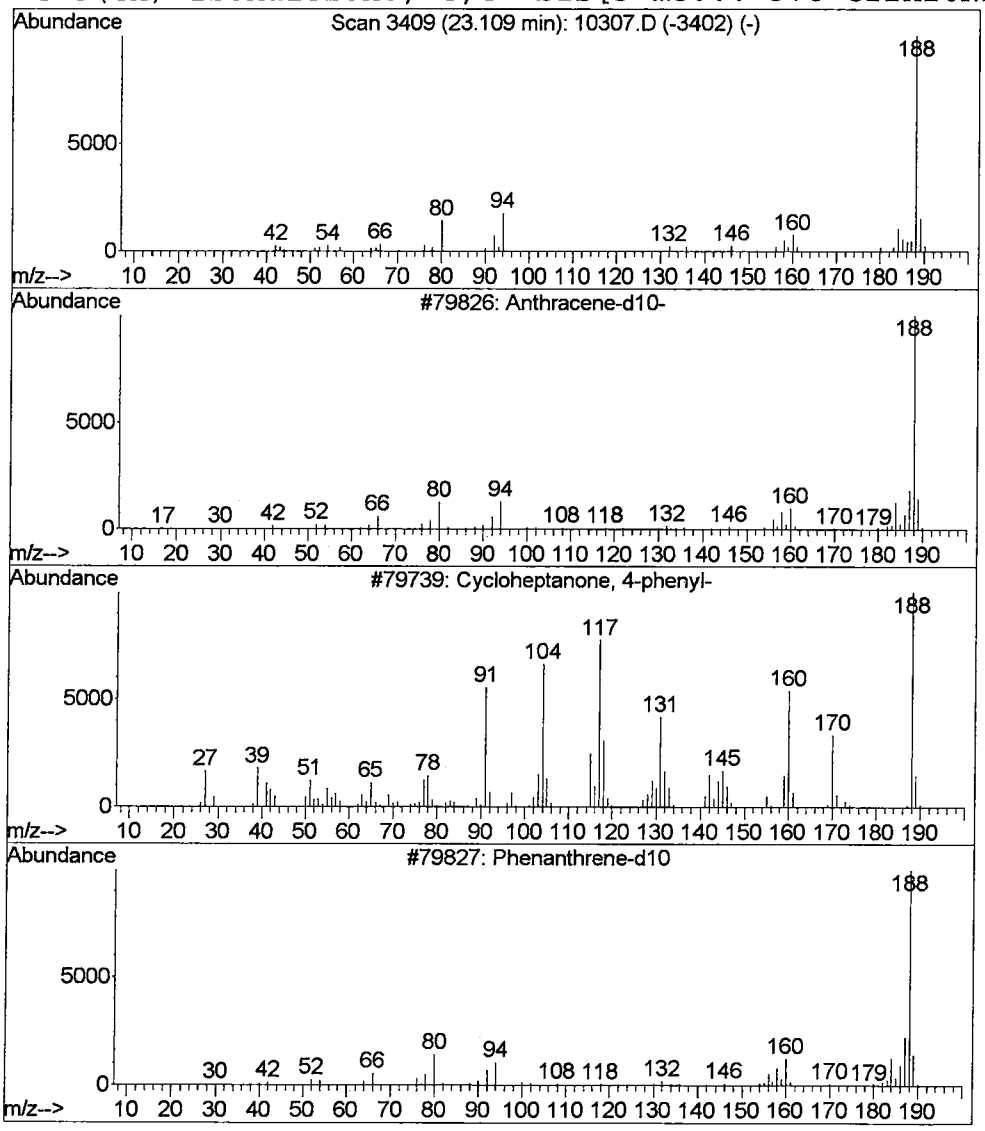
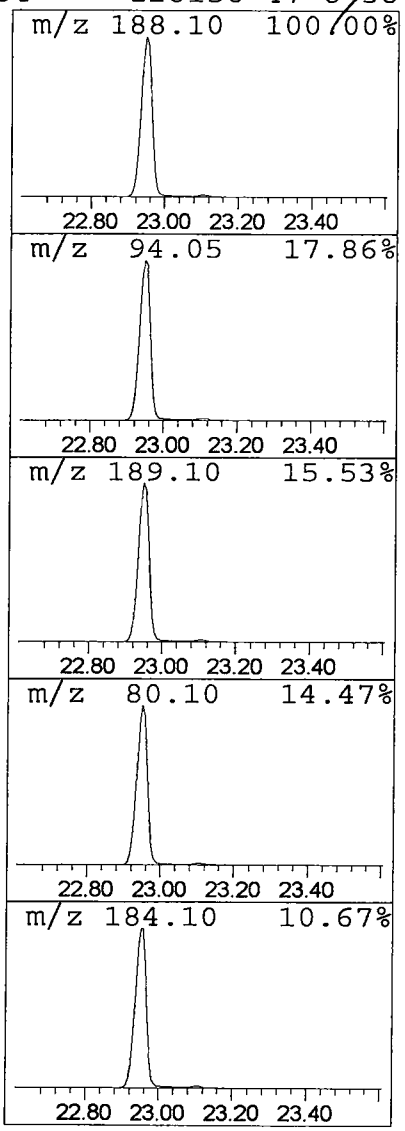
Peak Number 6 Anthracene-d10- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.58 ug/L	812212	Phenanthranene-d10	22.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	78
2	Cycloheptanone, 4-phenyl-	188	C13H16O	067688-28-2	50
3	Phenanthrene-d10	188	C14D10	001517-22-2	40
4	5(4H)-Isoxazolone, 4,4'-bis[3-me...	376	C22H20N2O4	128156-47-8	38





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10307.D Vial: 10
Acq On : 8 May 2002 9:07 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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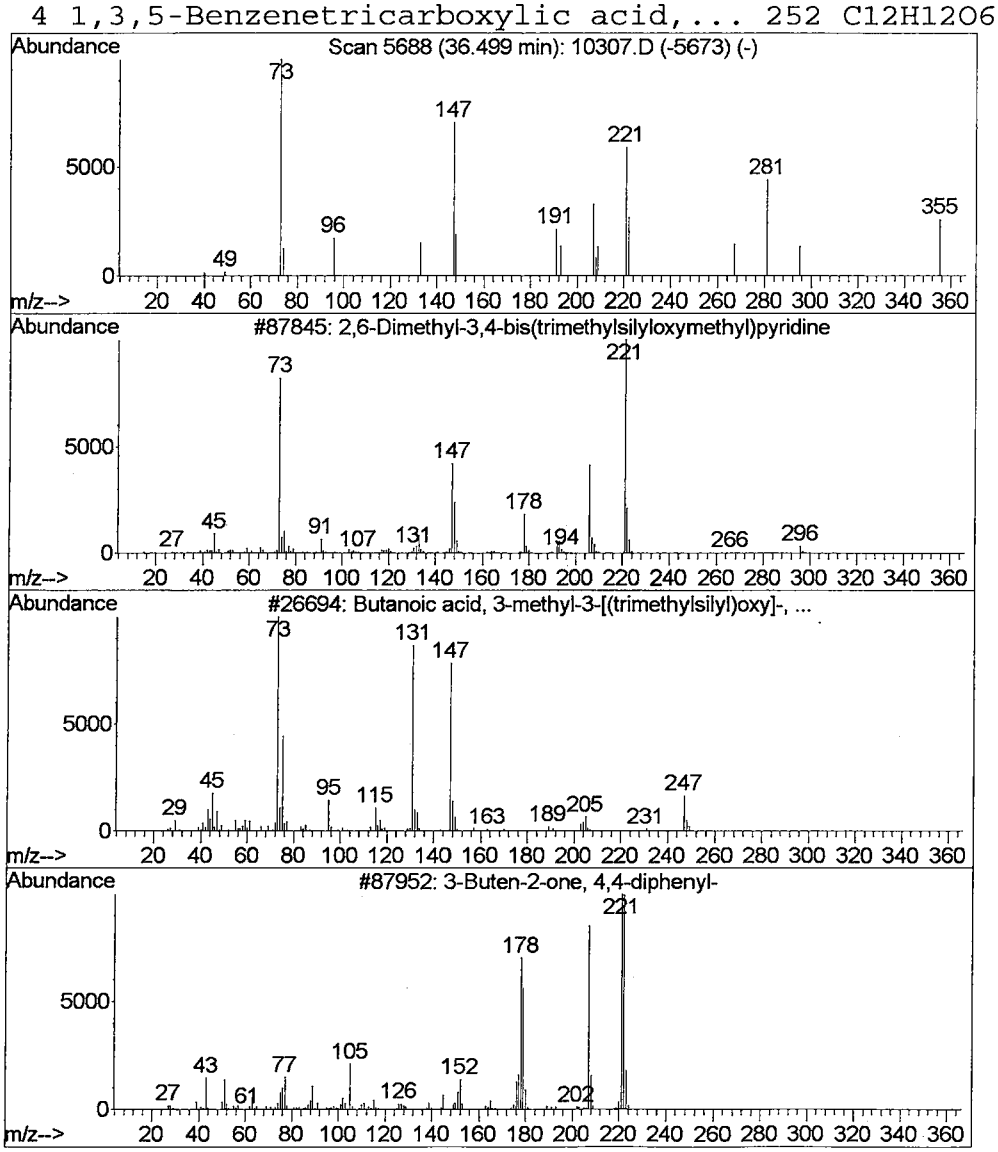
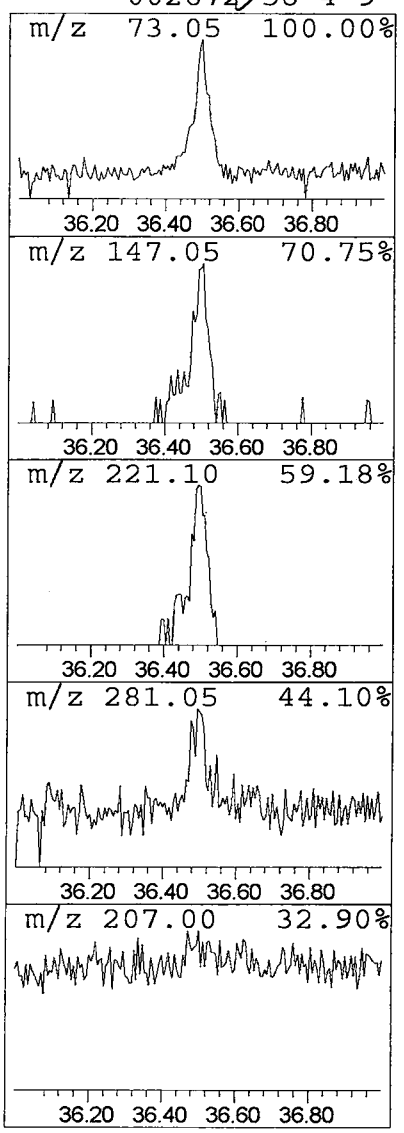
Peak Number 7 2,6-Dimethyl-3,4-bis(trimet... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
36.50	0.21 ug/L	213833	Perylene-d12	34.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Dimethyl-3,4-bis(trimethylsi...	311	C15H29NO2Si2	1000079-52-1	10
2	Butanoic acid, 3-methyl-3-[(trim...	262	C11H26O3Si2	055124-90-8	10
3	3-Buten-2-one, 4,4-diphenyl-	222	C16H14O	000837-66-1	9
4	1,3,5-Benzenetricarboxylic acid,...	252	C12H12O6	002672-58-4	9





Tentatively Identified Compound (LSC) summary

Operator ID: Mclean Date Acquired: 8 May 2002 9:07 pm
Data File: C:\MSDCHEM\1\DATA\050802\10307.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...	3.63	0.2	ug/L	197187	1	9.94	39097100	40.0
Tetrachloroethylene	5.16	0.3	ug/L	291435	1	9.94	39097100	40.0
2-Pentanone, 4-hy...	5.98	12.8	ug/L	12463700	1	9.94	39097100	40.0
2-Hexanone, 5-met...	7.73	0.2	ug/L	222384	1	9.94	39097100	40.0
2-Propenal, 3-(3,...	22.58	0.3	ug/L	446960	4	22.95	56107600	40.0
Anthracene-d10-	23.11	0.6	ug/L	812212	4	22.95	56107600	40.0
2,6-Dimethyl-3,4-...	36.50	0.2	ug/L	213833	6	34.71	40910800	40.0