User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/10/2002 Time: 16:48:10

Sample: AE00310
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/10/02 16:40 Ended: 1/10/02 16:40 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		99		5.0

Comments for Sample AE00310 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-10-2002 Time: 16:48:13

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.

Data File : C:\MSDCHEM\1\5973N\02JAN09\310.D Vial: 8
Acq On : 10 Jan 2002 12:02 am Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 10 08:38:33 2002 Quant Results File: SCAN508.RES

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Wed Jan 09 12:49:14 2002
Response via : Initial Calibration
DataAcq Meth : SCAN508

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.72	152	1686702	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	7279279	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	3807606	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.65	188	6343192	20.00	ug/L	-0.02
38) Chrysene-d12	30.49	240	5436683	20.00	ug/L	-0.02
44) Perylene-d12	34.42	264	3933074	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	498733	4.97	ug/L	0.00
Spiked Amount 5.000			Recovery =	99.40%		
Target Compounds						Qvalue
2) N-nitroso-dimethylamine	3.60	74	12778	0.18	ug/L #	14
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-Chloropropa	0.00	45	0	N.D.		
8) N-nitroso-di-n-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) metha	0.00	93	0	N.D.		
14) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
15) Naphthalene	0.00	128	0	N.D.		
16) Hexachlorobutadiene	0.00	225	0	N.D.		
18) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
19) 2-Chloronaphthalene	0.00	162	0	N.D.		
20) Dimethylphthalate	18.34	163	617521	2.46	ug/L #	55
21) 2,6-Dinitrotoluene	18.34	165	483906	9.87	ug/L #	17
22) Acenaphthylene	0.00	152	0	N.D.		
23) Acenaphthene	0.00	153	0	N.D.		
24) 2,4-Dinitrotoluene	0.00	165	0	N.D.		
25) Diethylphthalate	0.00	149	0	N.D.		
26) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
27) Fluorene	0.00	166	0	N.D.		
28) Azobenzene	0.00	77	0	N.D.		
30) N-nitrosodiphenylamine	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	22.70	178	6921	0.02	ug/L #	67
34) Anthracene	22.70	178	6921	0.02	ug/L #	66

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

Data File : C:\MSDCHEM\1\5973N\02JAN09\310.D Vial: 8
Acq On : 10 Jan 2002 12:02 am Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 10 08:38:33 2002 Quant Results File: SCAN508.RES

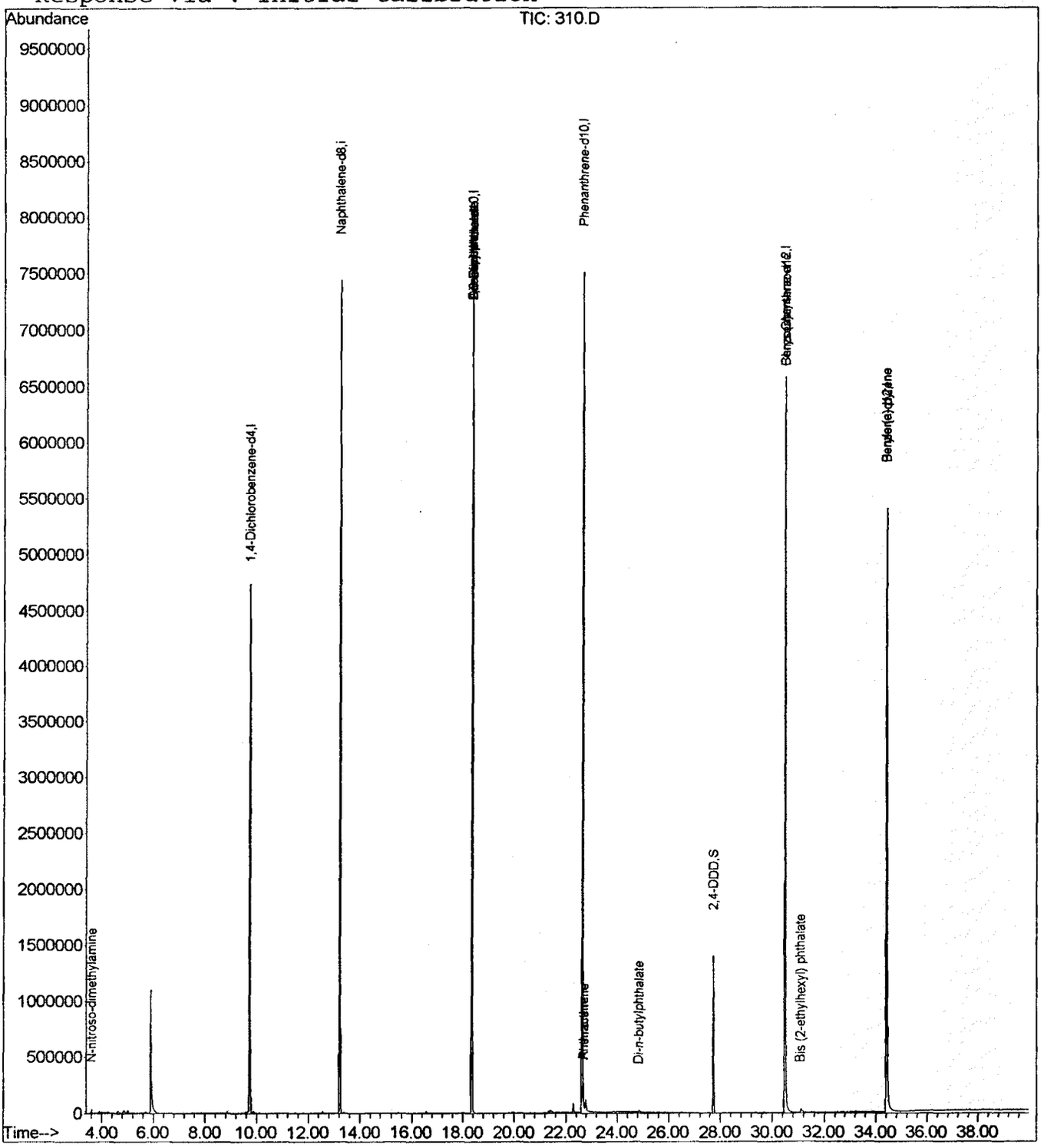
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Wed Jan 09 12:49:14 2002
Response via : Initial Calibration
DataAcq Meth : SCAN508

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
35) Di-n-butylphthalate	24.85	149	21093	0.05 ug/L #	85
36) Fluoranthene	0.00	202	0	N.D.	
39) Pyrene	0.00	202	0	N.D.	
40) Butylbenzylphthalate	0.00	149	0	N.D.	
41) Benzo(a)anthracene	30.50	228	12125	0.04 ug/L #	52
42) Bis (2-ethylhexyl) phthala	31.11	149	37501	0.69 ug/L	94
43) Chrysene	30.50	228	12125	0.04 ug/L #	49
45) Di-n-octylphthalate	0.00	149	0	N.D.	
46) Benzo (b) fluoranthene	0.00	252	0	N.D.	
47) Benzo (k) fluoranthene	0.00	252	0	N.D.	
48) Benzo (a) pyrene	34.42	252	15223	0.06 ug/L #	1
49) Indeno (1,2,3-cd) pyrene	0.00	276	0	N.D.	
50) 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

Data File : C:\MSDCHEM\1\5973N\02JAN09\310.D Vial: 8
Acq On : 10 Jan 2002 12:02 am Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 10 8:38 2002 Quant Results File: SCAN508.RE

Method : C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Wed Jan 09 12:49:14 2002
Response via : Initial Calibration



Data File : C:\MSDCHEM\1\5973N\02JAN09\310.D Vial: 8
Acq On : 10 Jan 2002 12:02 am Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
Title : 508 scan method
Smoothing : OFF Filtering: 5
Sampling : 2 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 20
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

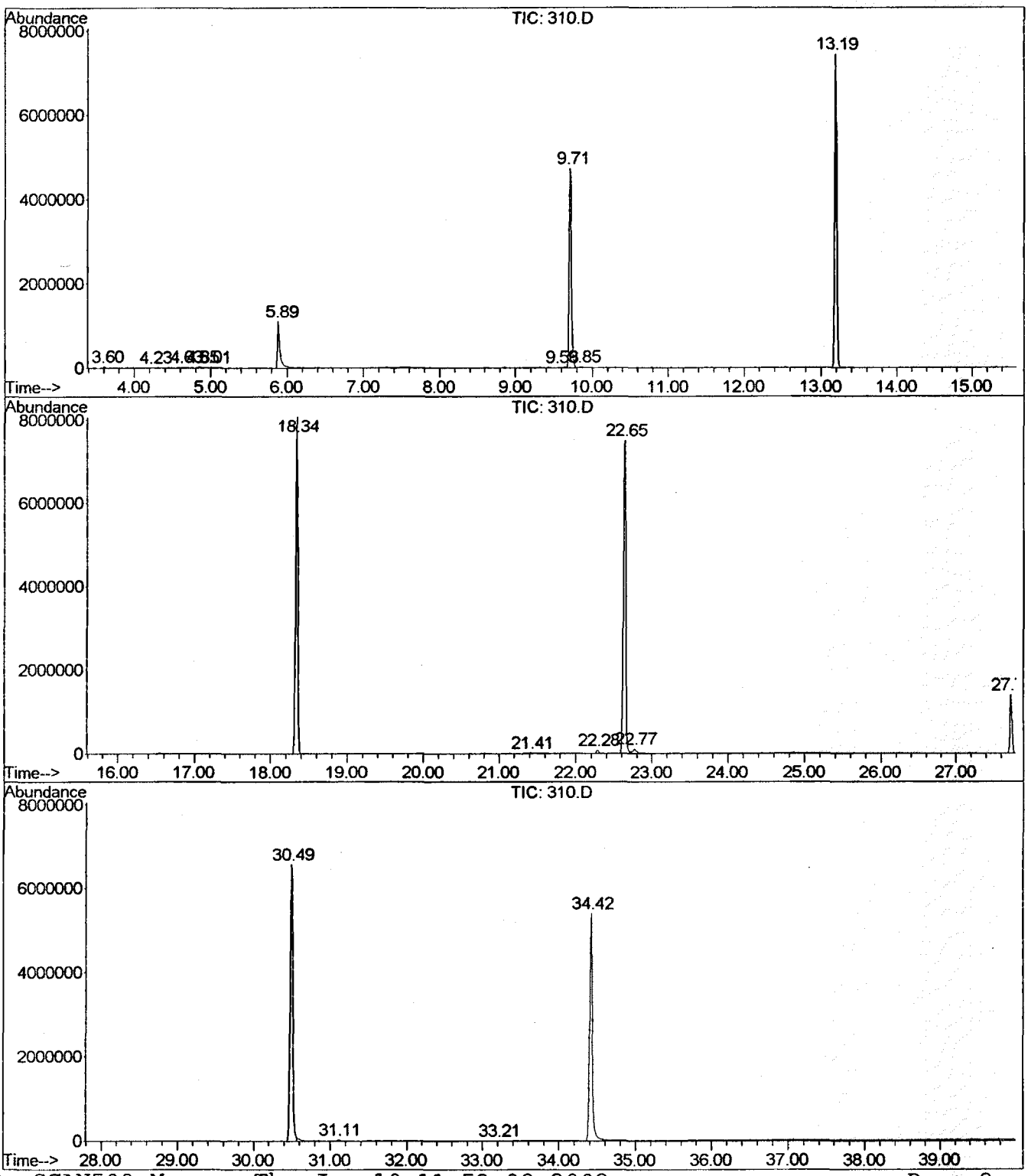
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.602	15	20	25	rBV	39459	61804	0.37%	0.068%
2	4.230	71	75	83	rBV4	11956	38899	0.23%	0.043%
3	4.629	101	110	119	rVB3	19476	70791	0.42%	0.078%
4	4.846	125	129	139	rBV3	27175	94562	0.56%	0.104%
5	5.006	139	143	149	rVB2	23237	42997	0.25%	0.047%
6	5.885	217	220	251	rVV	1099240	2435275	14.44%	2.668%
7	9.562	539	542	547	rVV5	12746	39780	0.24%	0.044%
8	9.710	551	555	561	rVV	4740402	9632892	57.11%	10.554%
9	9.847	561	567	587	rVB3	22743	112510	0.67%	0.123%
10	13.192	855	860	865	rBV	7436113	13956602	82.74%	15.291%
11	18.341	1305	1311	1315	rBV	8065922	15508100	91.94%	16.991%
12	21.412	1575	1580	1593	rVV5	26432	82806	0.49%	0.091%
13	22.280	1653	1656	1661	rBV2	76510	145015	0.86%	0.159%
14	22.645	1681	1688	1693	rBV2	7500125	16867017	100.00%	18.480%
15	22.771	1695	1699	1721	rVB2	108653	399106	2.37%	0.437%
16	27.726	2129	2133	2139	rBV	1402256	2448555	14.52%	2.683%
17	30.489	2369	2375	2381	rBV2	6576393	15861765	94.04%	17.378%
18	31.105	2419	2429	2441	rBV3	33095	138301	0.82%	0.152%
19	33.206	2607	2613	2623	rVB6	8331	43850	0.26%	0.048%
20	34.416	2713	2719	2743	rBV	5391441	13293170	78.81%	14.564%

Sum of corrected areas: 91273797

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02JAN09\310.D
Operator :
Acquired : 10 Jan 2002 12:02 am using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508 scan ext 1/7
Misc Info : January 9, 2002
Vial Number: 8
Quant File :SCAN508.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN09\310.D Vial: 8
Acq On : 10 Jan 2002 12:02 am Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

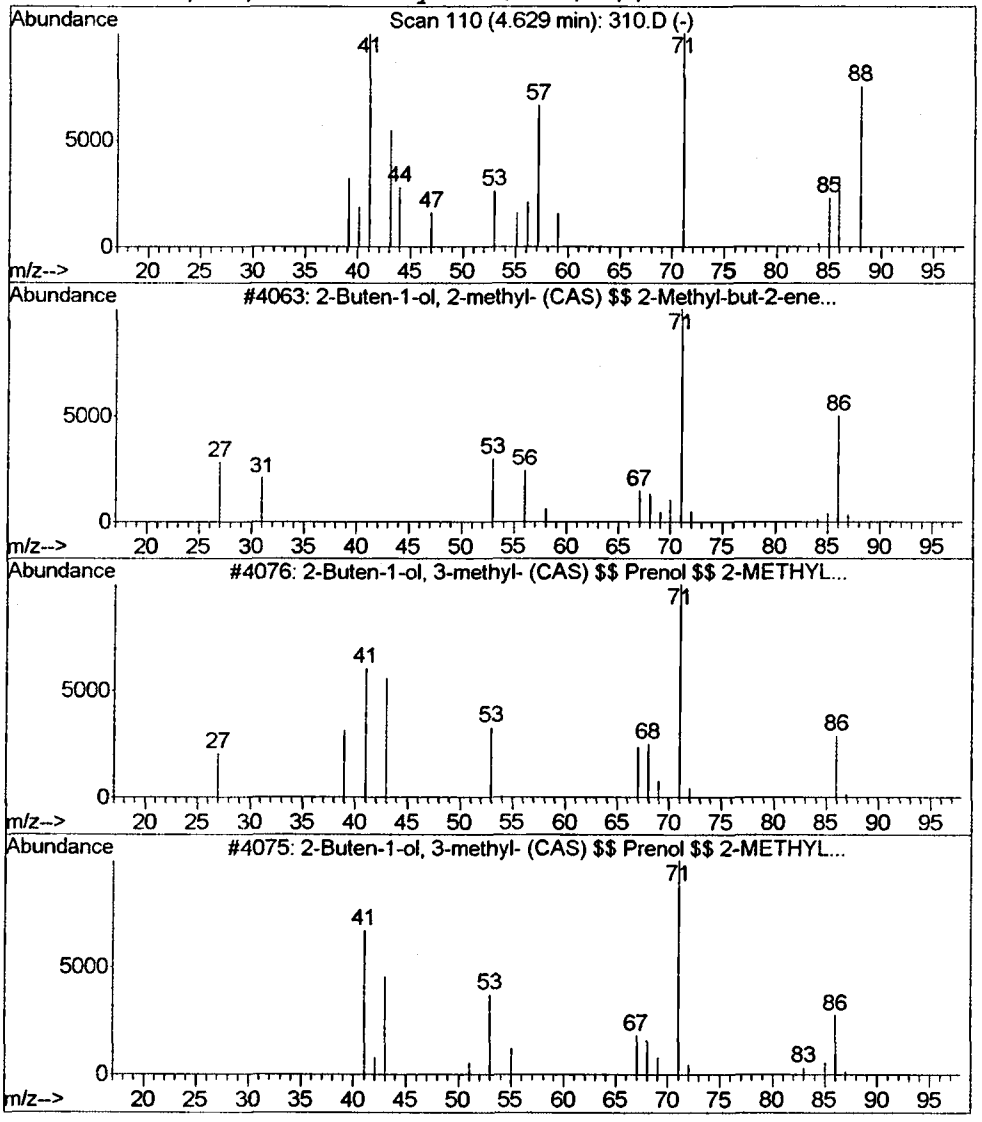
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

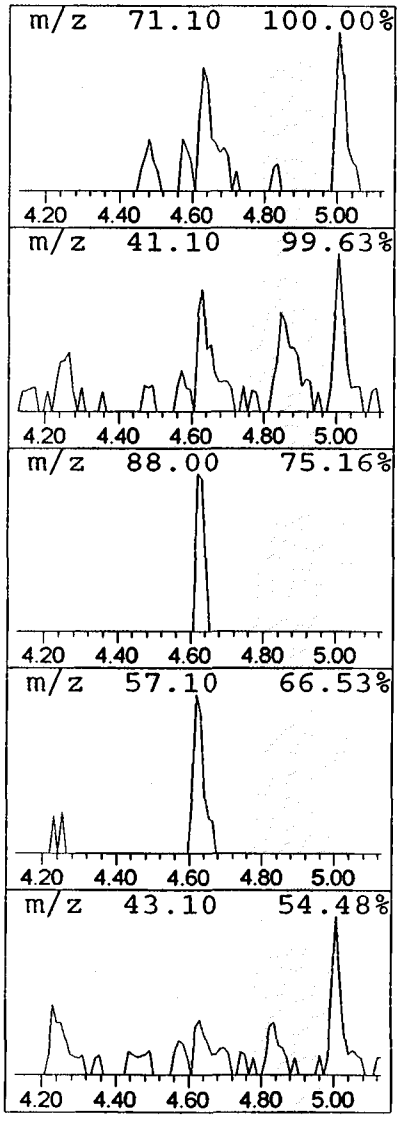
****

Peak Number 1 2-Buten-1-ol, 2-methyl- (CA... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.63	0.15 ug/L	70791	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Buten-1-ol, 2-methyl- (CAS) $$...	86	C5H10O	004675-87-0	43
2	2-Buten-1-ol, 3-methyl- (CAS) $$...	86	C5H10O	000556-82-1	27
3	2-Buten-1-ol, 3-methyl- (CAS) $$...	86	C5H10O	000556-82-1	27
4	Butane, 2,3-dimethyl- (CAS) $$ 2...	86	C6H14	000079-29-8	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN09\310.D Vial: 8
Acq On : 10 Jan 2002 12:02 am Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

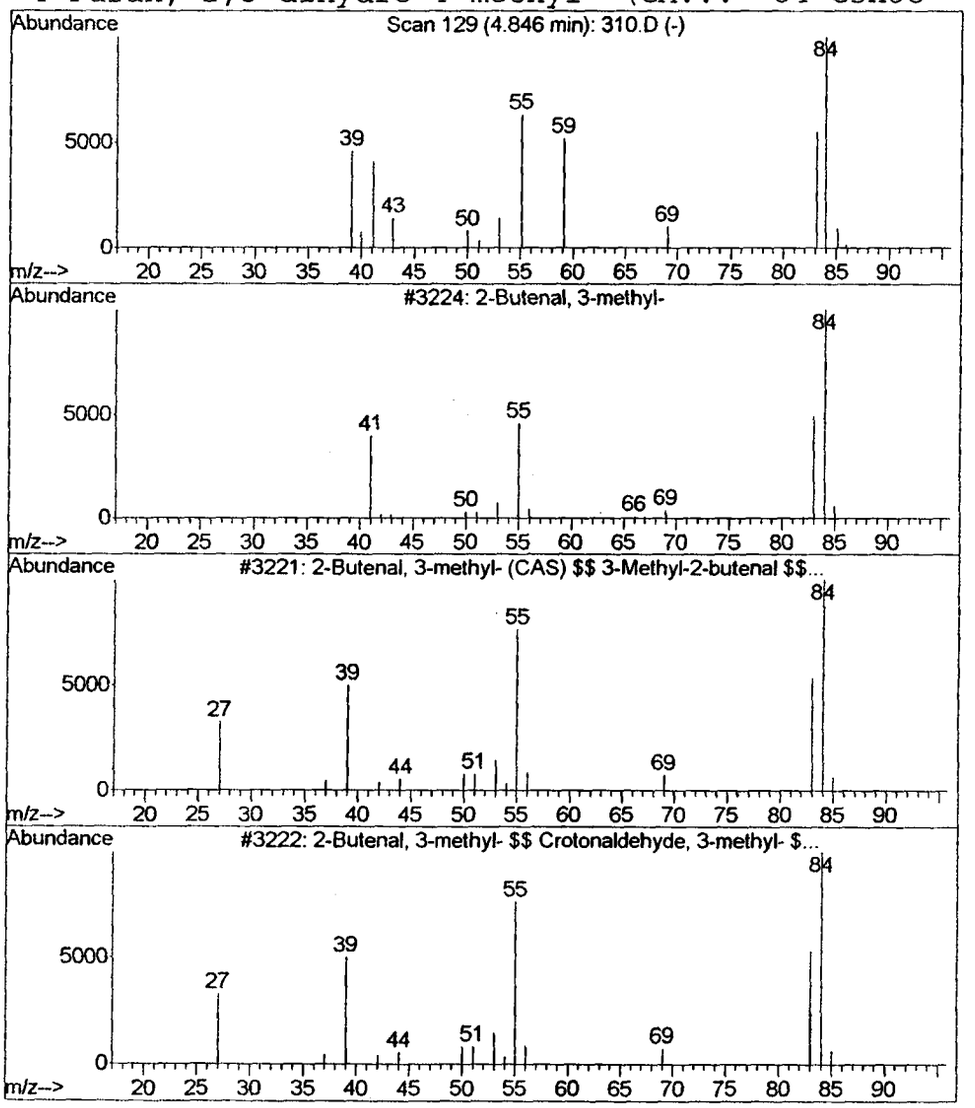
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

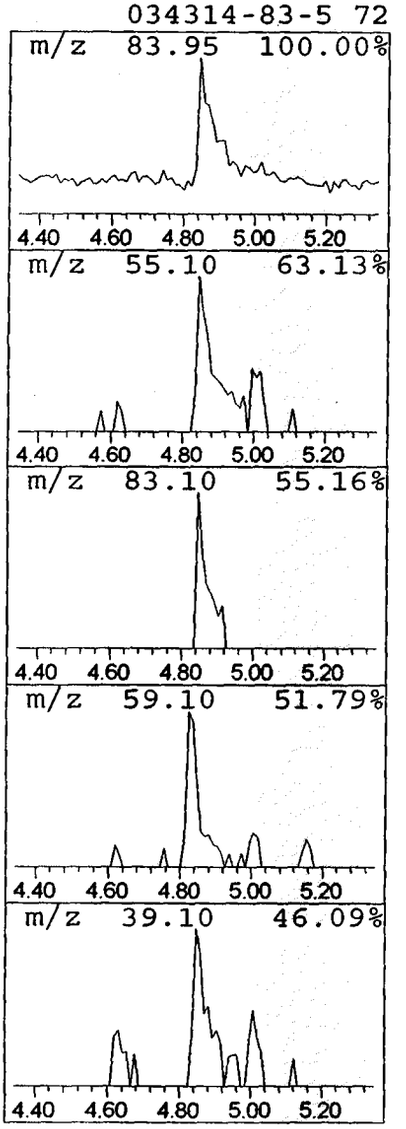
****

Peak Number 2 2-Butenal, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	0.20 ug/L	94562	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	72
2	2-Butenal, 3-methyl- (CAS) $$ 3-...	84	C5H8O	000107-86-8	72
3	2-Butenal, 3-methyl- $$ Crotonal...	84	C5H8O	000107-86-8	72
4	Furan, 2,3-dihydro-4-methyl- (CA...	84	C5H8O	034314-83-5	72





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN09\310.D Vial: 8
Acq On : 10 Jan 2002 12:02 am Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

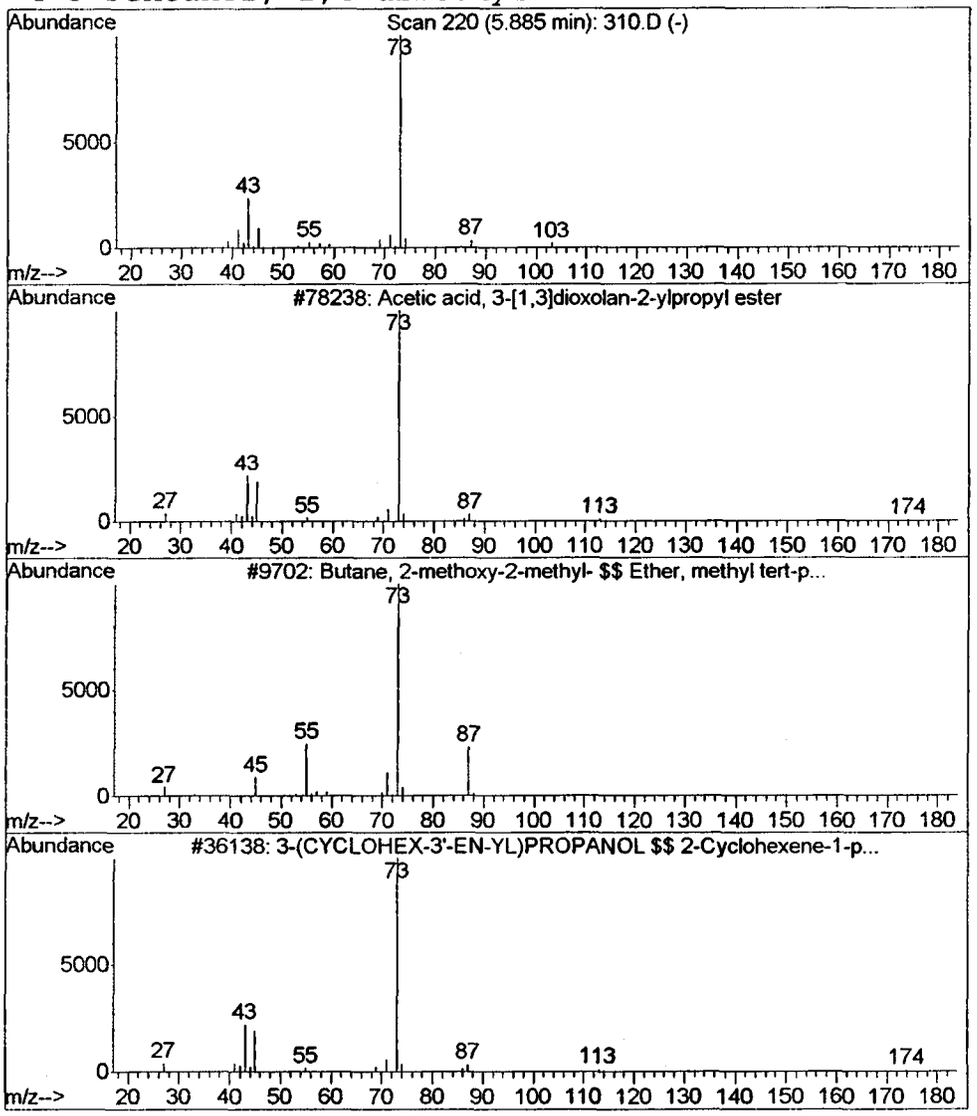
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

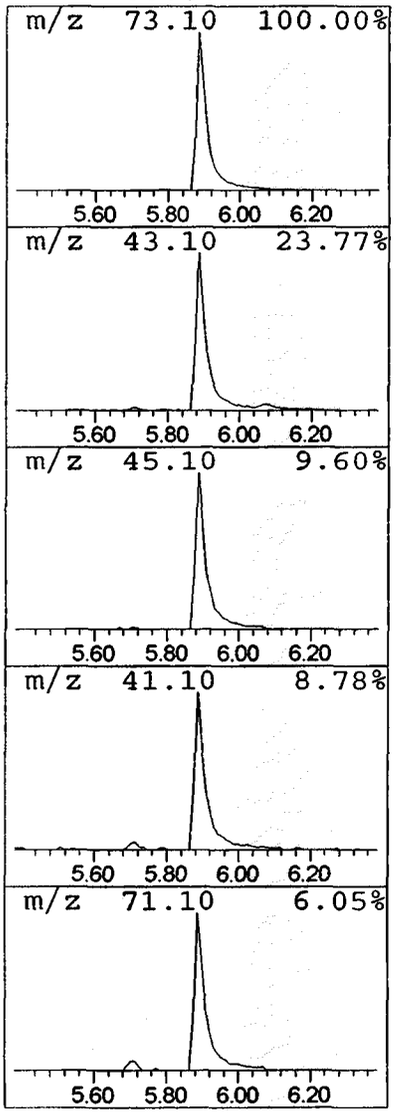
****

Peak Number 3 Acetic acid, 3-[1,3]dioxola... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	5.06 ug/L	2435280	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	33
2	Butane, 2-methoxy-2-methyl- $$ E...	102	C6H14O	000994-05-8	33
3	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	33
4	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	33





Data File : C:\MSDCHEM\1\5973N\02JAN09\310.D Vial: 8
Acq On : 10 Jan 2002 12:02 am Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

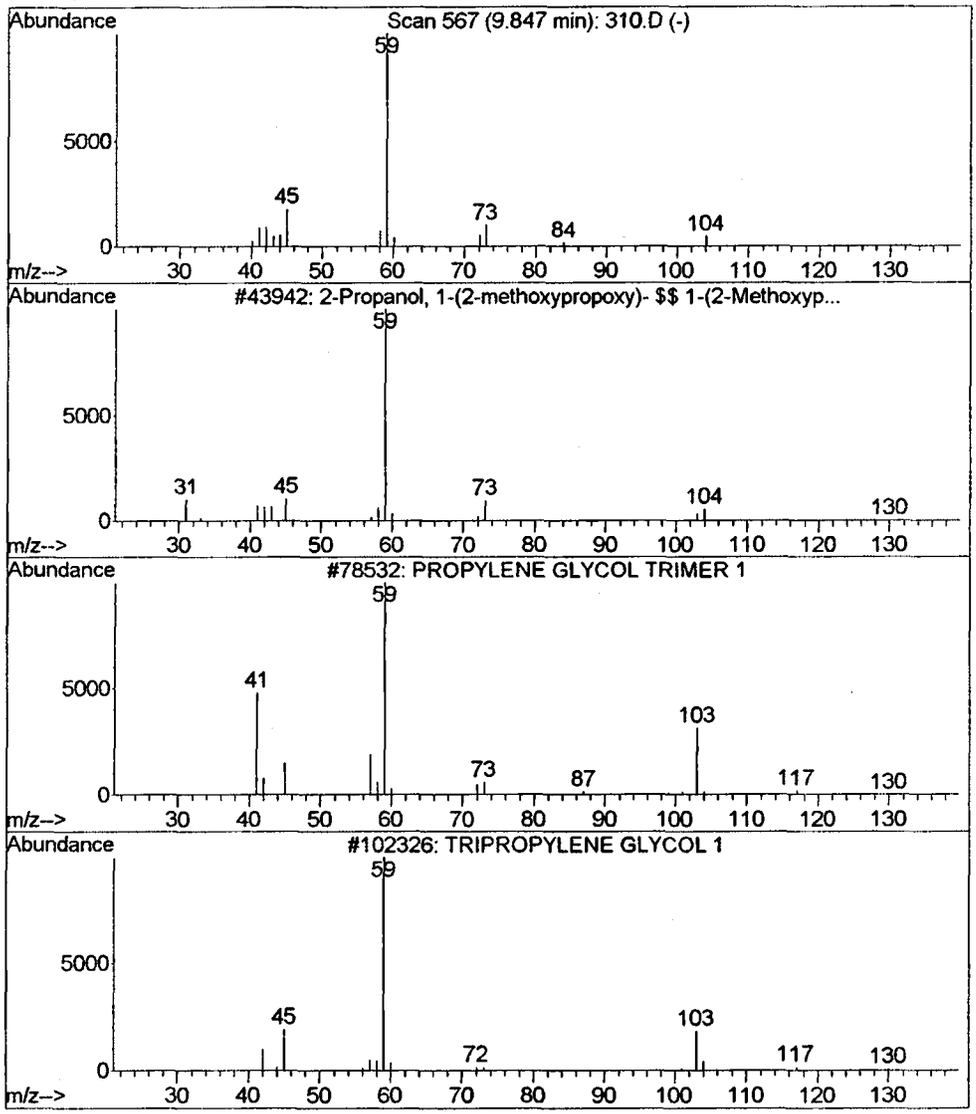
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

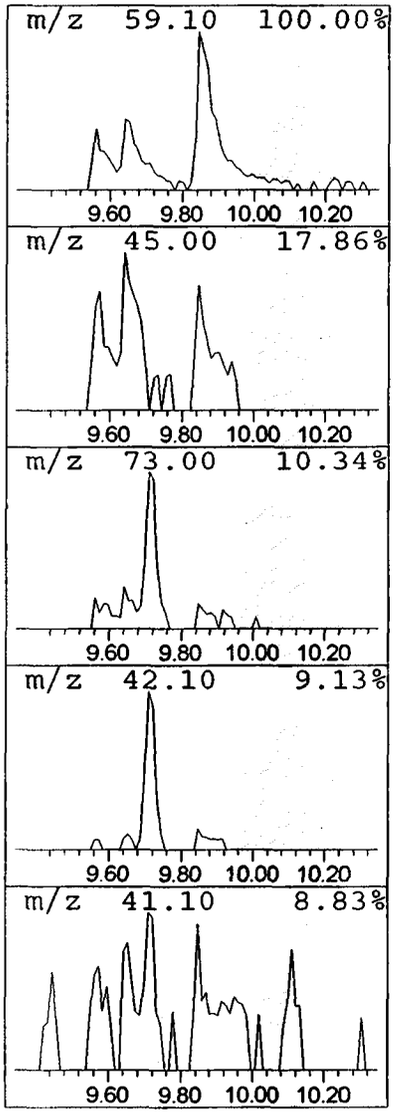
****

Peak Number 4 2-Propanol, 1-(2-methoxypro... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	0.23 ug/L	112510	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxypropoxy)...	148	C7H16O3	013429-07-7	78
2	PROPYLENE GLYCOL TRIMER 1	174	C9H18O3	000000-00-0	74
3	TRIPROPYLENE GLYCOL 1	192	C9H20O4	000000-00-0	64
4	TRIPROPYLENE GLYCOL 2	192	C9H20O4	000000-00-0	64





Data File : C:\MSDCHEM\1\5973N\02JAN09\310.D Vial: 8
Acq On : 10 Jan 2002 12:02 am Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

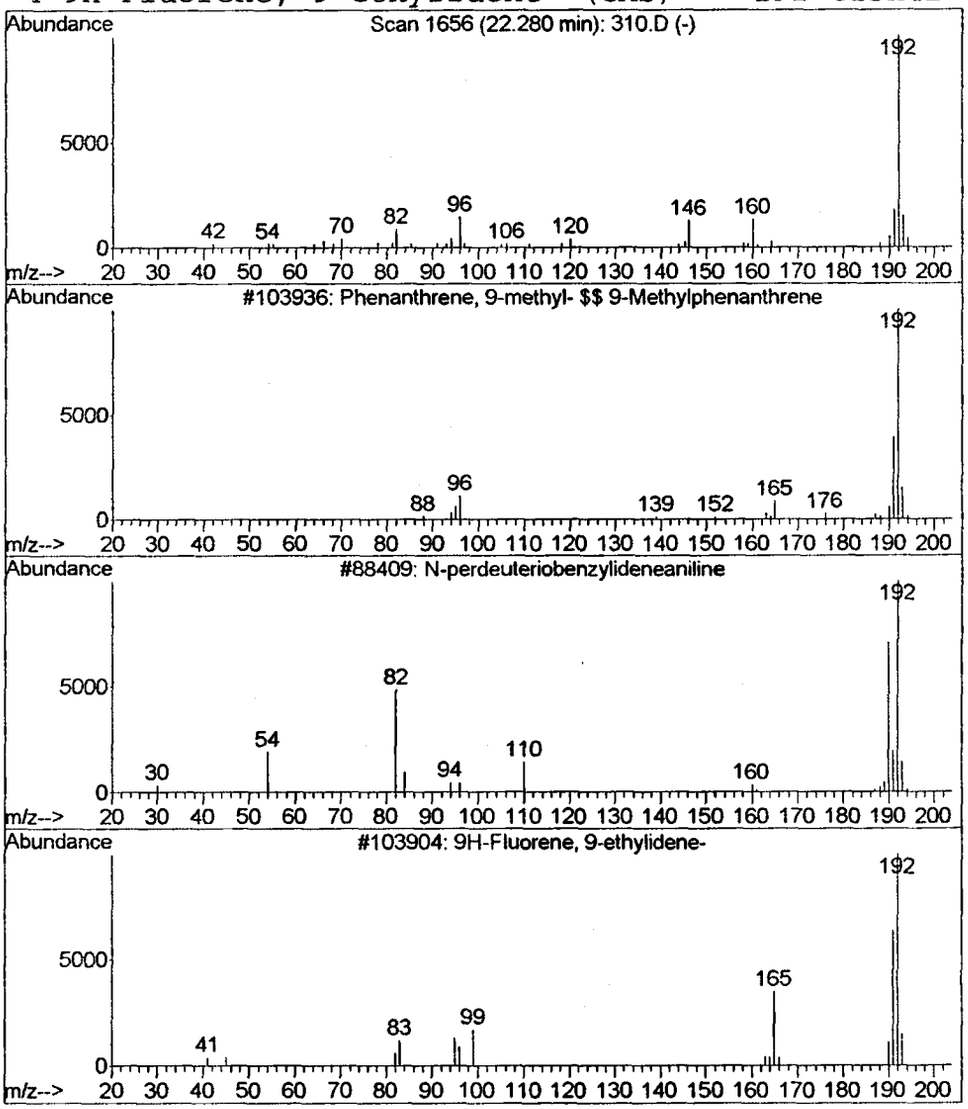
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

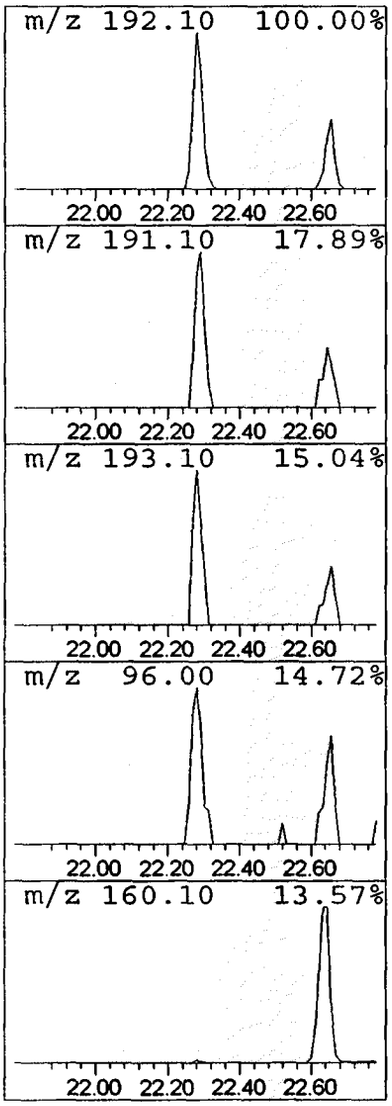
****

Peak Number 5 Phenanthrene, 9-methyl- $$ ... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.17 ug/L	145015	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9-methyl- $$ 9-Met...	192	C15H12	000883-20-5	59
2	N-perdeuteriobenzylideneaniline	192	C13D11N	000538-51-2	53
3	9H-Fluorene, 9-ethylidene-	192	C15H12	007151-64-6	50
4	9H-Fluorene, 9-ethylidene- (CAS)	192	C15H12	007151-64-6	50





Data File : C:\MSDCHEM\1\5973N\02JAN09\310.D Vial: 8
Acq On : 10 Jan 2002 12:02 am Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 9, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

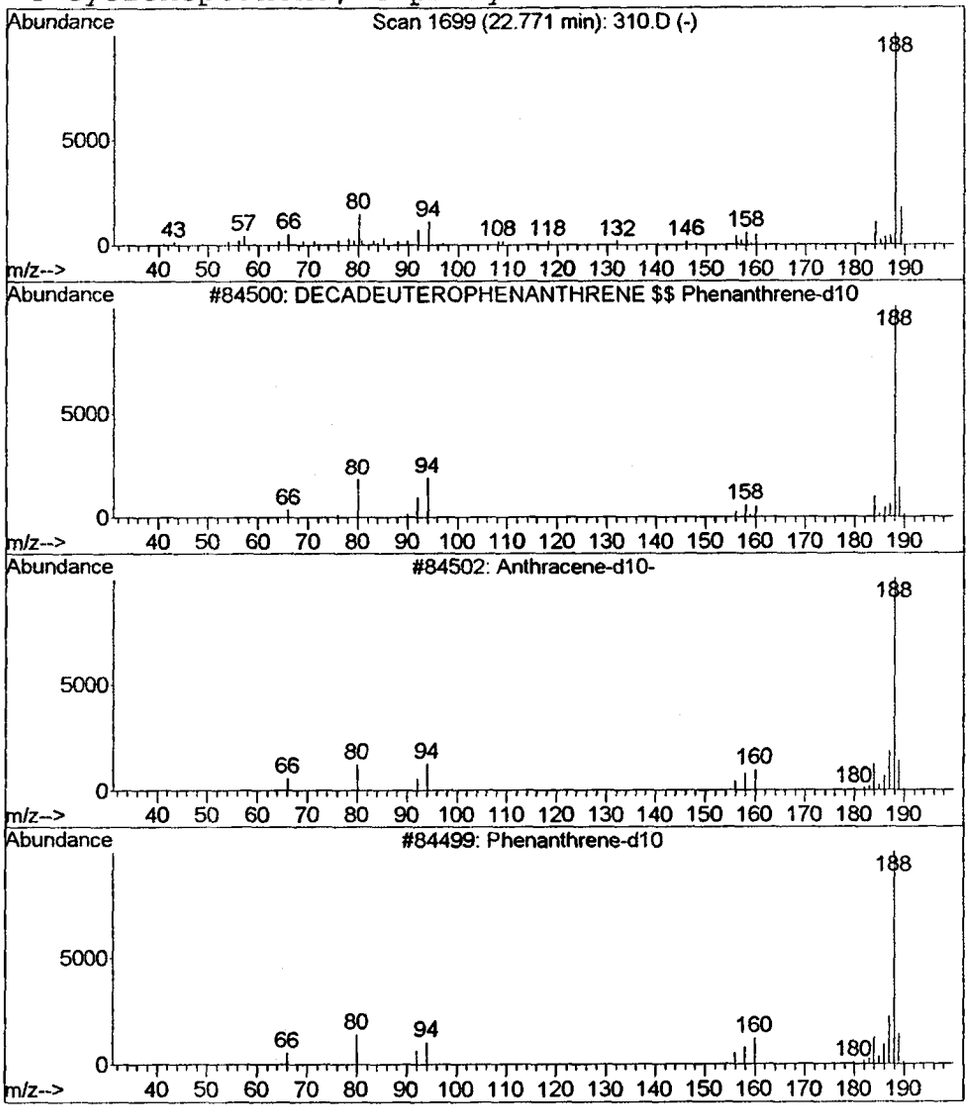
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

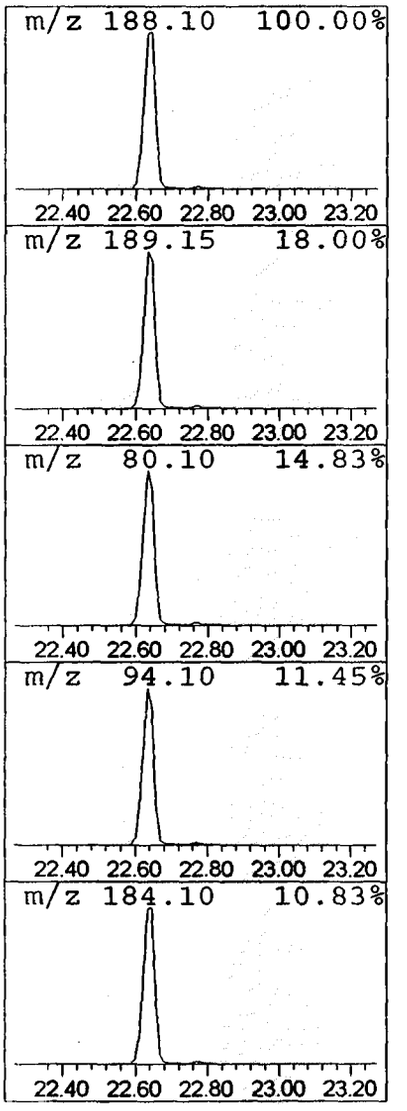
****

Peak Number 6 DECADEUTEROPHENANTHRENE $$ ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.47 ug/L	399106	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	91
2	Anthracene-d10-	188	C14D10	001719-06-8	80
3	Phenanthrene-d10	188	C14D10	001517-22-2	78
4	Cycloheptanone, 4-phenyl-	188	C13H16O	067688-28-2	50





perator ID: Date Acquired: 10 Jan 2002 12:02 am
ata File: C:\MSDCHEM\1\5973N\02JAN09\310.D
ame: 508 scan ext 1/7
isc: January 9, 2002
ethod: C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
itle: 508 scan method
ibrary Searched: C:\DATABASE\WILEY7N.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
-Buten-1-ol, 2-m...	4.63	0.1	ug/L	70791	1	9.72	9632890	20.0
-Butenal, 3-methyl-	4.85	0.2	ug/L	94562	1	9.72	9632890	20.0
cetic acid, 3-[1...	5.89	5.1	ug/L	2435280	1	9.72	9632890	20.0
-Propanol, 1-(2-...	9.85	0.2	ug/L	112510	1	9.72	9632890	20.0
henanthrene, 9-m...	22.28	0.2	ug/L	145015	4	22.65	16867000	20.0
DECADEUTEROPHENAN...	22.77	0.5	ug/L	399106	4	22.65	16867000	20.0

Comments for Sample AE00310 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-10-2002 Time: 17:24:07

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
The recoveries for 10 of the 43 compounds in the LCS Standard were above their acceptance ranges.