User: Baglioni, Walter
Westchester Dept. of Labs & Research
Date: 01/10/2002 Time: 11:03:38

Sample: AE00308
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/10/02 10:53 Ended: 1/10/02 10:53 Analyst: WB
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		< MDL		
2	Surr_2,4-DDD		94		5.0

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN08\308.D Vial: 7
Acq On : 8 Jan 2002 10:28 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 09 12:51:25 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	9.71	152	1161749	20.00	ug/L	-0.01
10) Naphthalene-d8	13.19	136	4872148	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	2492466	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.63	188	4045126	20.00	ug/L	-0.03
38) Chrysene-d12	30.49	240	3506485	20.00	ug/L	-0.02
44) Perylene-d12	34.42	264	2445437	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	299594	4.69	ug/L	0.00
Spiked Amount 5.000			Recovery = 93.80%			
Target Compounds						Qvalue
2) N-nitroso-dimethylamine	3.59	74	7155	0.14	ug/L #	24
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	406250	2.47	ug/L #	56
21) 2,6-Dinitrotoluene	18.34	165	322853	10.06	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	0.00	178	0	N.D.		
34) Anthracene	0.00	178	0	N.D.		

(#) = qualifier out of range (m) = manual integration
308.D SCAN508.M Wed Jan 09 12:51:26 2002 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN08\308.D Vial: 7
Acq On : 8 Jan 2002 10:28 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 09 12:51:25 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

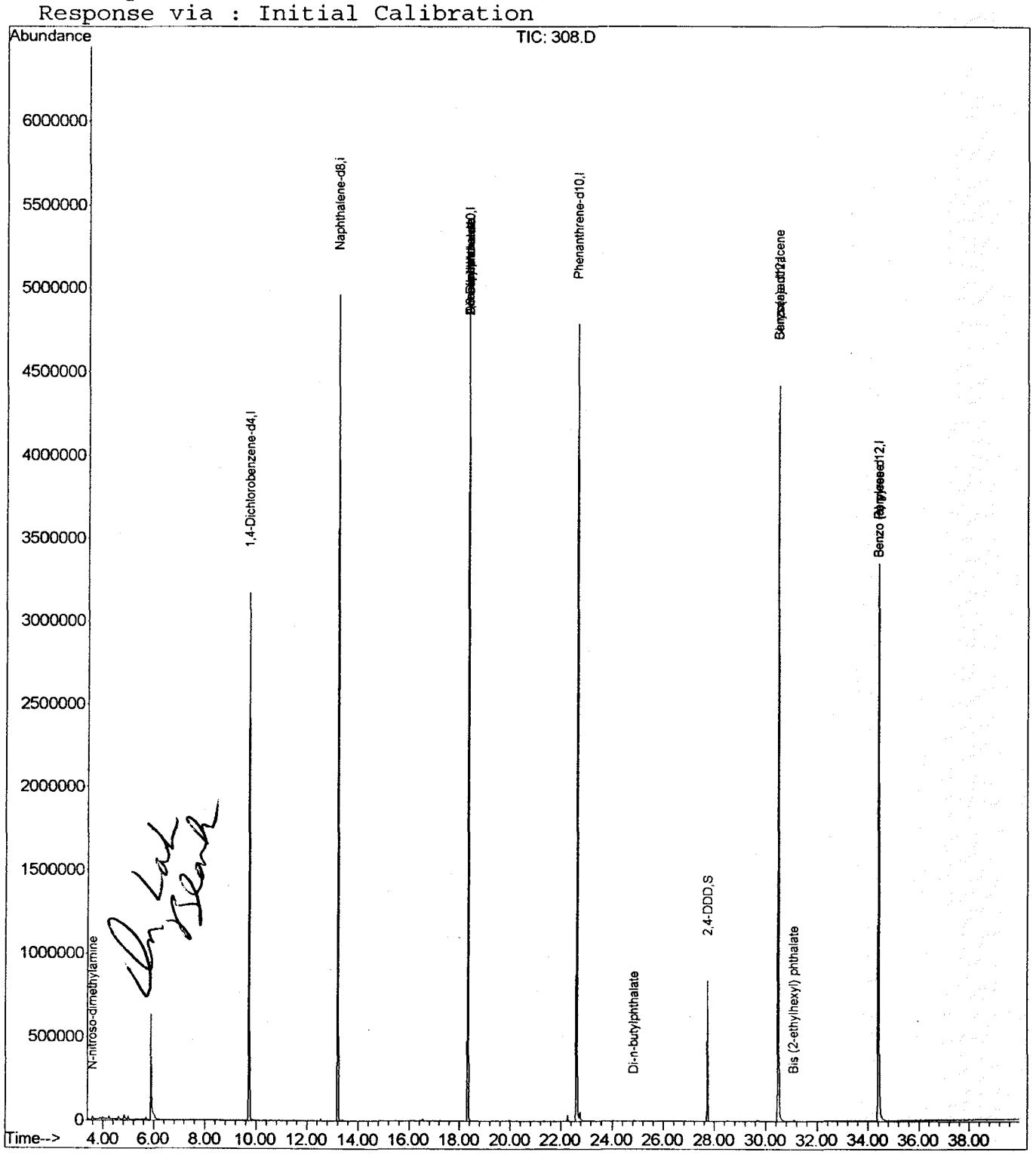
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
35) Di-n-butylphthalate	24.85	149	7881	0.03 ug/L	94
36) Fluoranthene	0.00	202	0	N.D.	
39) Pyrene	0.00	202	0	N.D.	
40) Butylbenzylphthalate	0.00	149	0	N.D.	
41) Benzo(a)anthracene	30.49	228	8330	0.04 ug/L #	59
42) Bis (2-ethylhexyl) phthala	31.11	149	10927	0.61 ug/L	88
43) Chrysene	30.49	228	8330	0.04 ug/L #	56
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	34.40	252	7747	0.05 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
308.D SCAN508.M Wed Jan 09 12:51:26 2002 Page 2

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN08\308.D Vial: 7
Acq On : 8 Jan 2002 10:28 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 9 12:51 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



LSC Area Percent Report

Data File : C:\MSDCHEM\1\5973N\02JAN08\308.D Vial: 7
Acq On : 8 Jan 2002 10:28 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 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

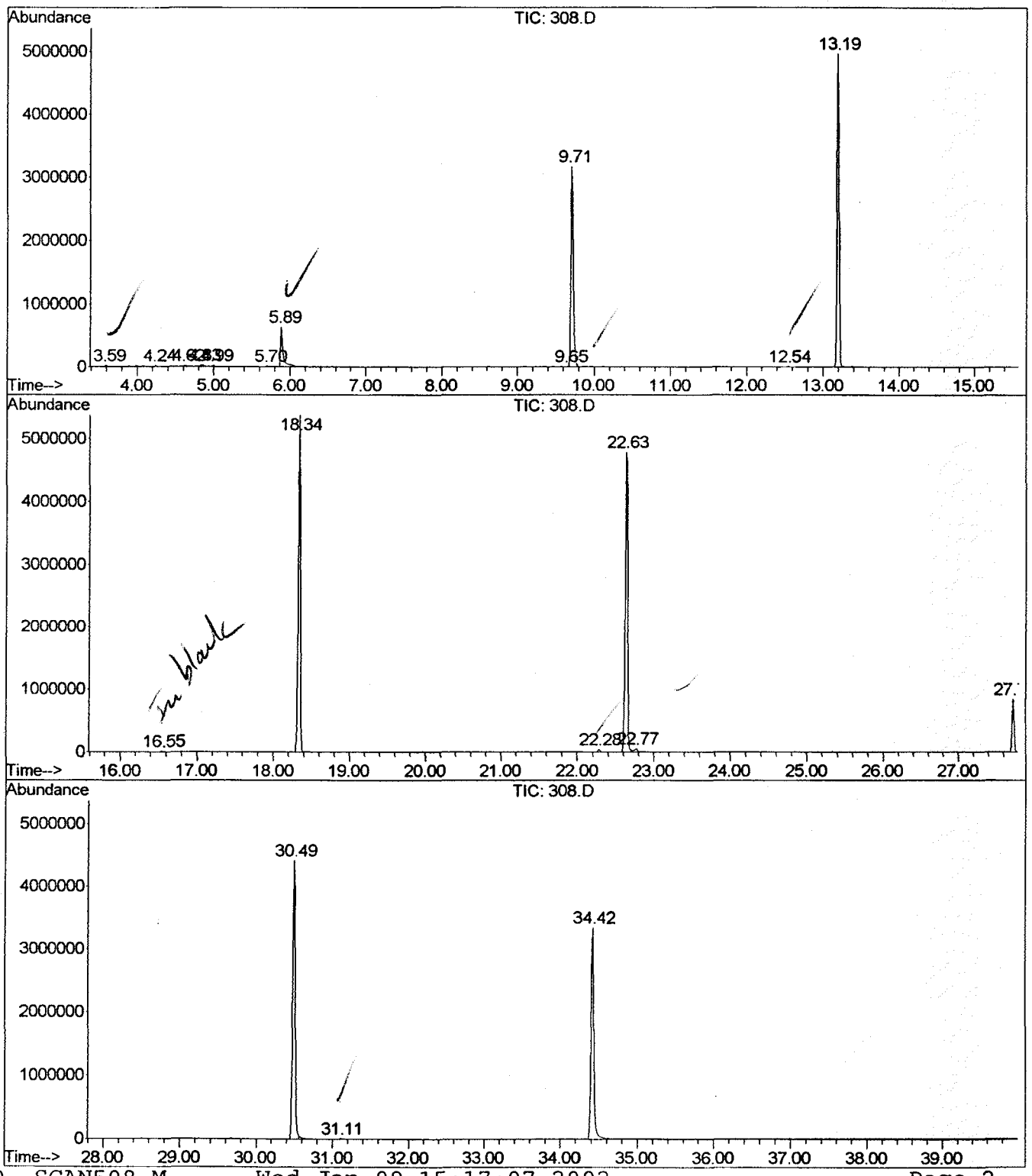
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.591	15	19	25	rBV	22040	36141	0.34%	0.061%
2	4.241	71	76	83	rVV2	15360	39072	0.37%	0.066%
3	4.618	107	109	115	rBV2	17344	39314	0.37%	0.067%
4	4.835	125	128	137	rBV2	28370	78046	0.73%	0.133%
5	4.995	137	142	153	rVB4	19564	46061	0.43%	0.078%
6	5.703	199	204	209	rVB3	16091	31013	0.29%	0.053%
7	5.885	215	220	247	rVB	633562	1478341	13.88%	2.514%
8	9.653	539	550	551	rBV5	6473	24365	0.23%	0.041%
9	9.710	551	555	563	rVV	3168448	6552007	61.53%	11.143%
10	12.541	799	803	807	rBV	14210	22007	0.21%	0.037%
11	13.192	855	860	865	rBV	4959321	9331856	87.63%	15.871%
12	16.549	1151	1154	1159	rBV	11857	22893	0.21%	0.039%
13	18.341	1305	1311	1315	rBV	5372937	10136301	95.19%	17.239%
14	22.280	1651	1656	1661	rBV	38297	69183	0.65%	0.118%
15	22.634	1681	1687	1693	rVV2	4784889	10648659	100.00%	18.111%
16	22.771	1695	1699	1711	rVB	55119	158528	1.49%	0.270%
17	27.726	2129	2133	2139	rBV	839118	1449615	13.61%	2.465%
18	30.489	2369	2375	2381	rBV2	4419686	10263312	96.38%	17.455%
19	31.105	2425	2429	2439	rVV2	10307	32026	0.30%	0.054%
20	34.416	2713	2719	2739	rBV	3344714	8339520	78.32%	14.183%

Sum of corrected areas: 58798260

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02JAN08\308.D
Operator :
Acquired : 8 Jan 2002 10:28 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508scan
Misc Info : January 8, 2002
Vial Number: 7
Quant File :SCAN508.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN08\308.D Vial: 7
Acq On : 8 Jan 2002 10:28 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

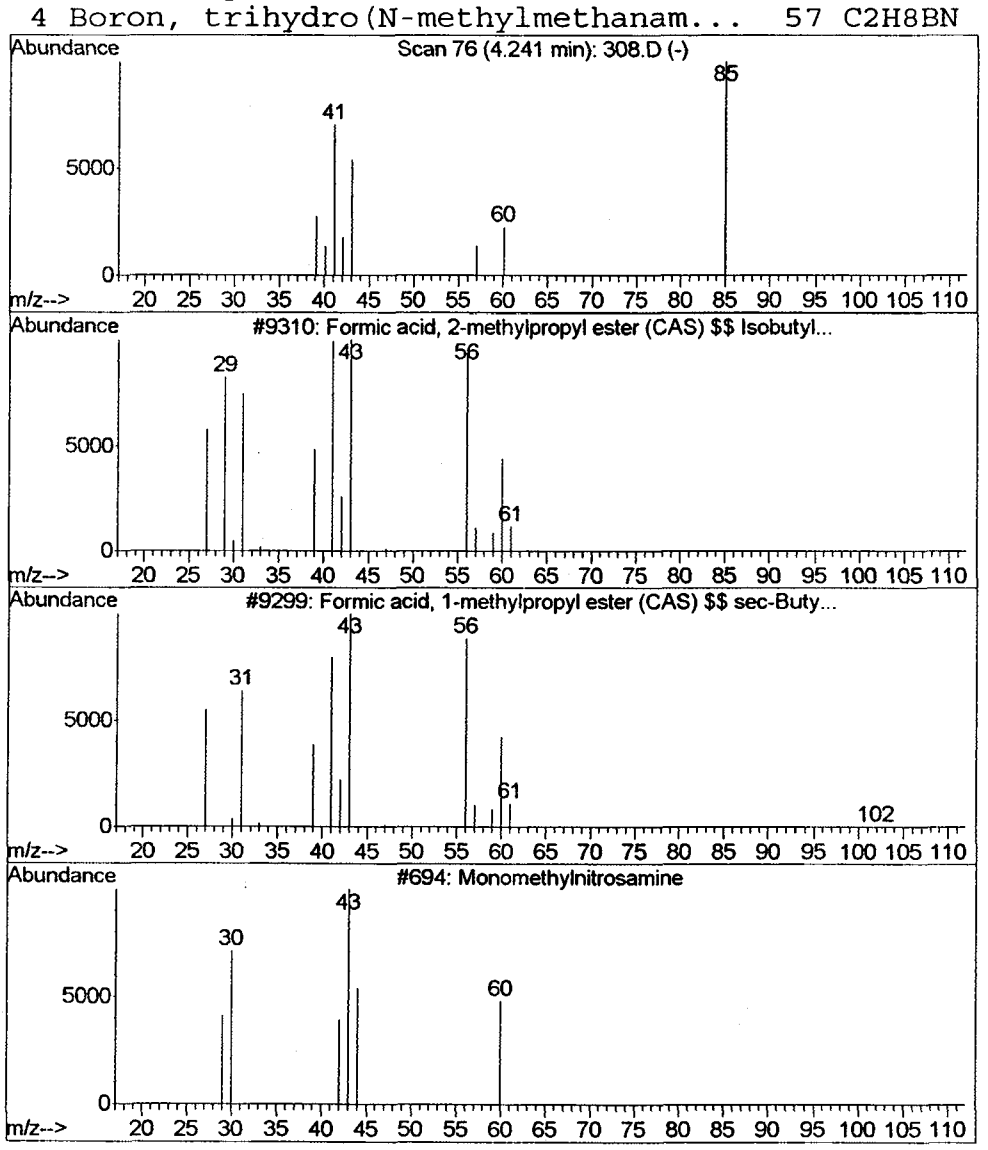
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

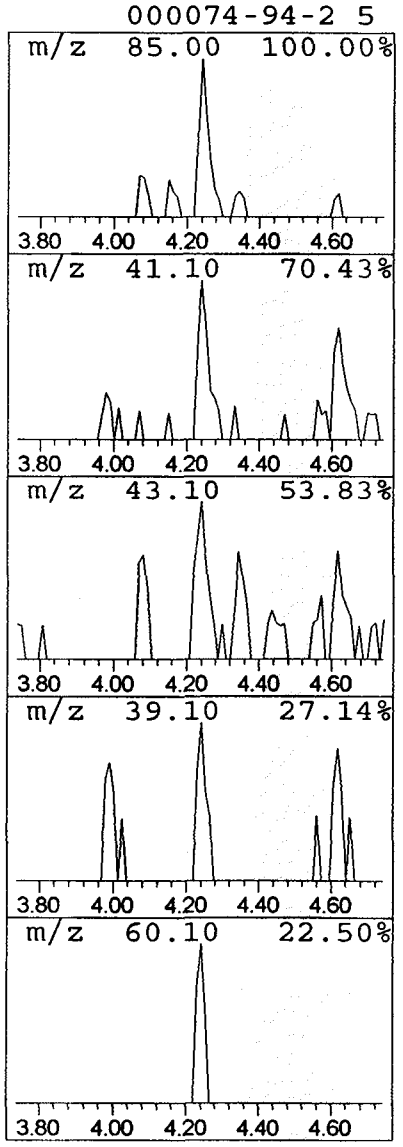
****

Peak Number 1 Formic acid, 2-methylpropyl... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.24	0.12 ug/L	39072	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Formic acid, 2-methylpropyl este...	102	C5H10O2	000542-55-2	10
2	Formic acid, 1-methylpropyl este...	102	C5H10O2	000589-40-2	9
3	Monomethylnitrosamine	60	CH4N2O	064768-29-2	7
4	Boron, trihydro(N-methylmethanam...	57	C2H8BN	000074-94-2	5





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN08\308.D Vial: 7
Acq On : 8 Jan 2002 10:28 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

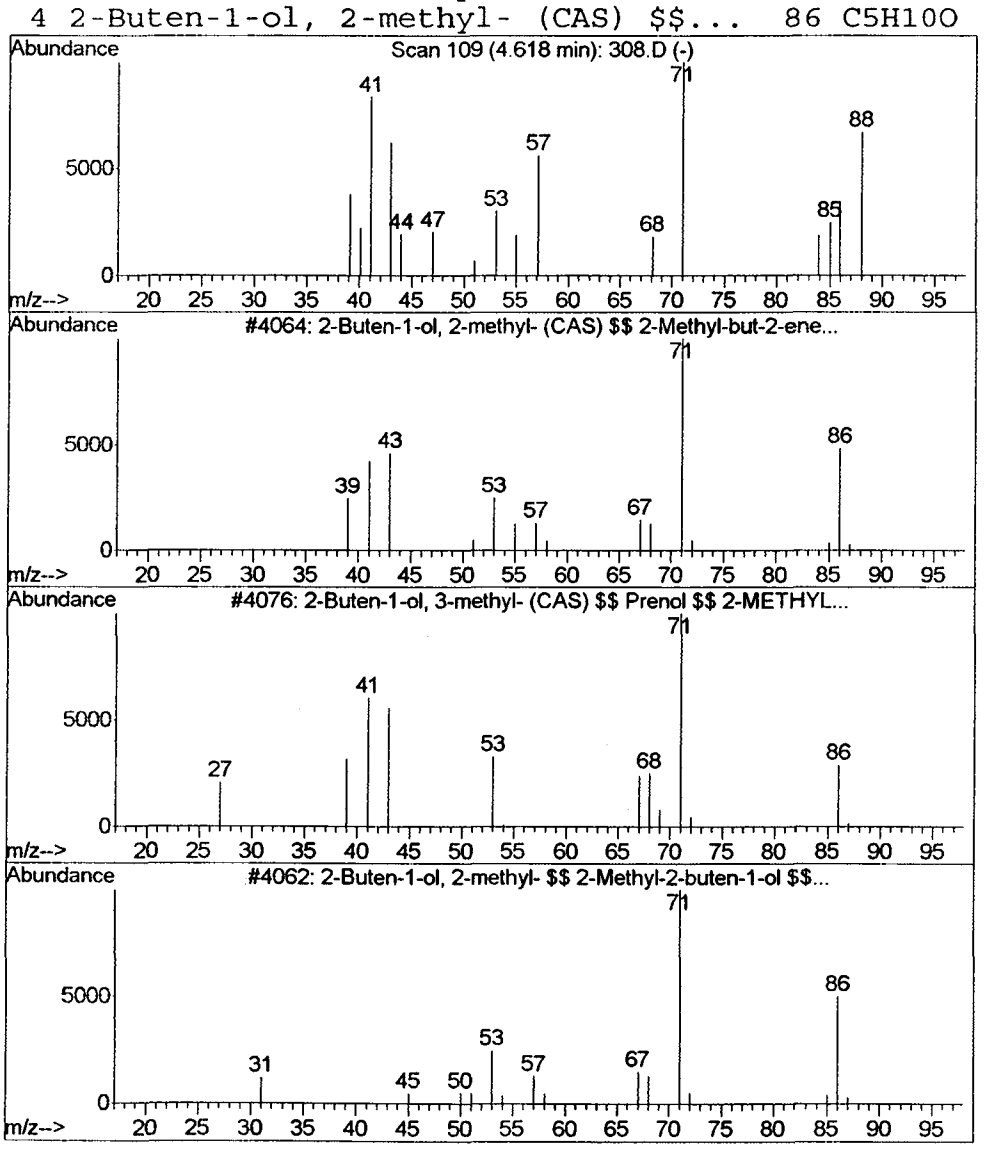
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

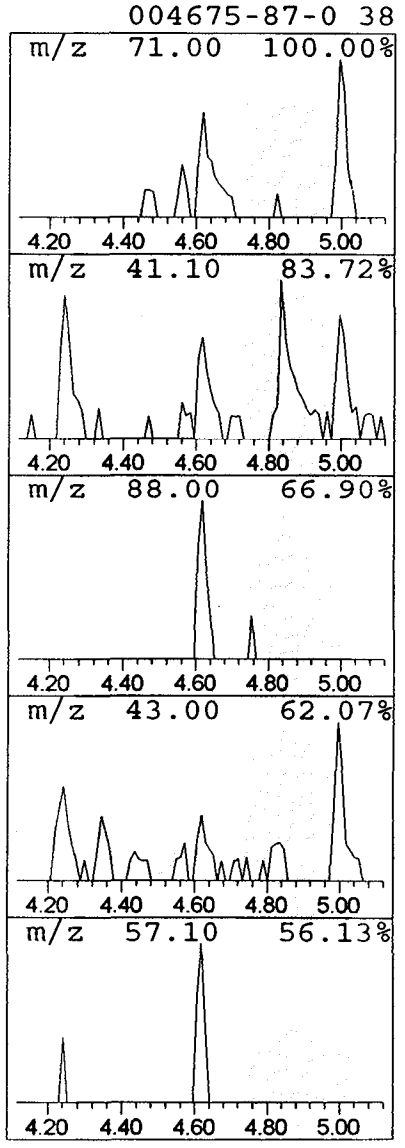
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.62	0.12 ug/L	39314	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Buten-1-ol, 2-methyl- (CAS) $$...	86	C5H10O	004675-87-0	47
2	2-Buten-1-ol, 3-methyl- (CAS) $$...	86	C5H10O	000556-82-1	43
3	2-Buten-1-ol, 2-methyl- $$ 2-Met...	86	C5H10O	004675-87-0	38
4	2-Buten-1-ol, 2-methyl- (CAS) $$...	86	C5H10O	004675-87-0	38





Data File : C:\MSDCHEM\1\5973N\02JAN08\308.D Vial: 7
Acq On : 8 Jan 2002 10:28 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

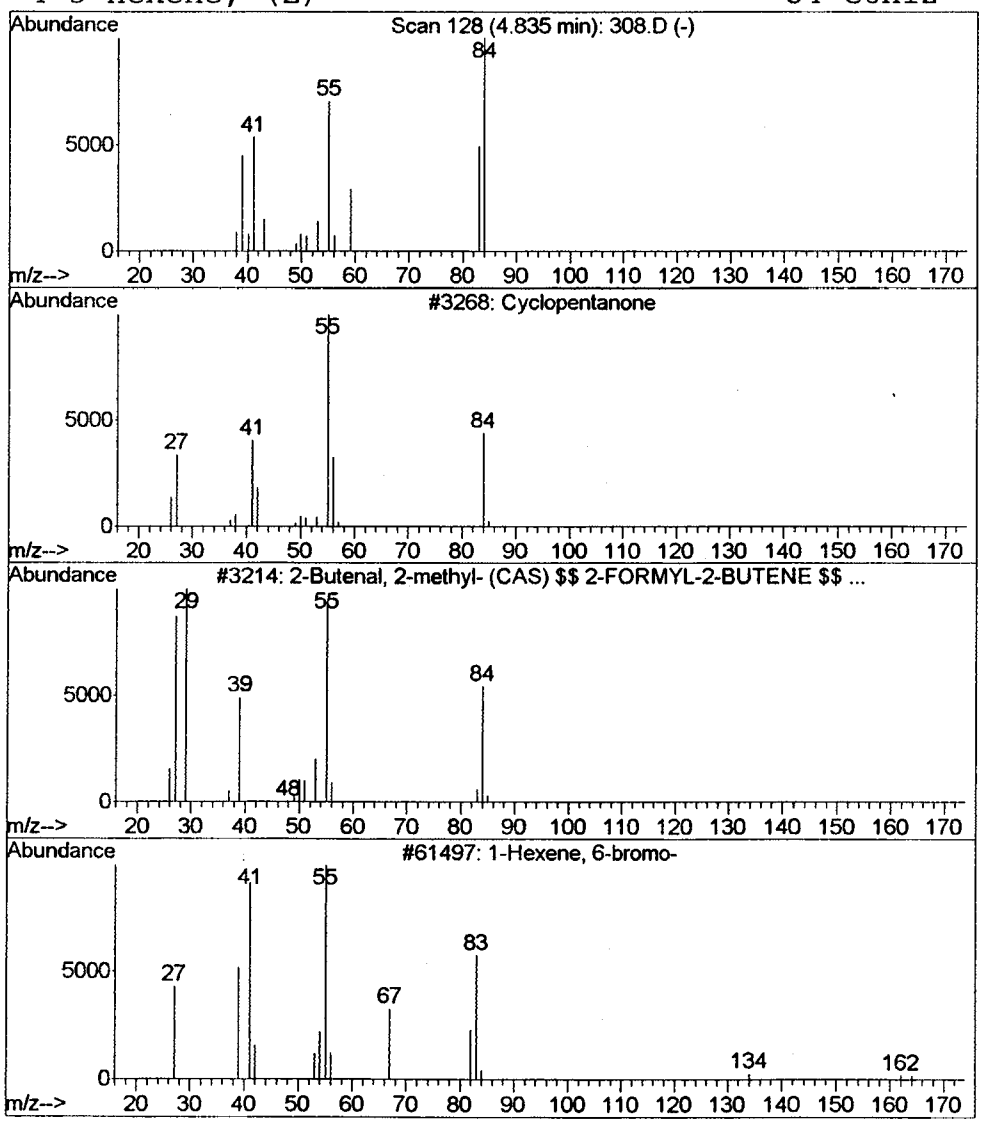
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

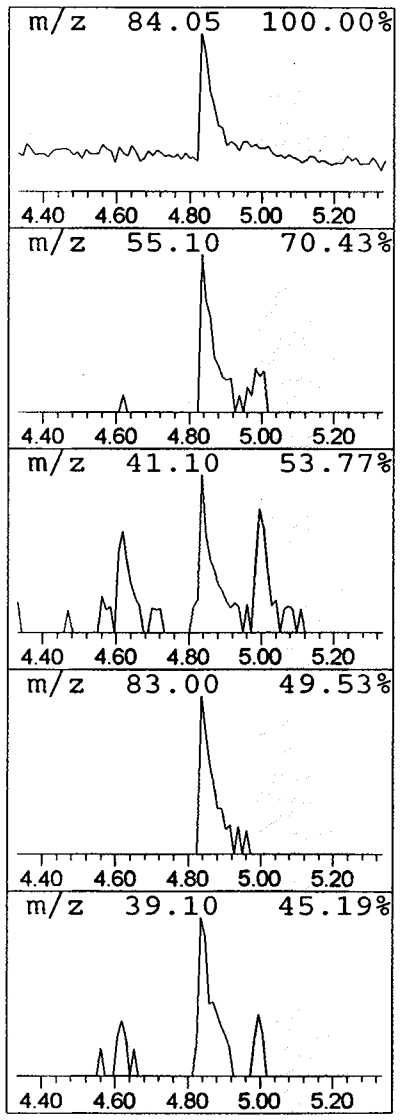
****

Peak Number 3 Cyclopentanone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.83	0.24 ug/L	78046	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone	84	C5H8O	000120-92-3	35
2	2-Butenal, 2-methyl- (CAS) $$ 2-...	84	C5H8O	001115-11-3	35
3	1-Hexene, 6-bromo-	162	C6H11Br	002695-47-8	32
4	3-Hexene, (Z)-	84	C6H12	007642-09-3	32





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN08\308.D Vial: 7
Acq On : 8 Jan 2002 10:28 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

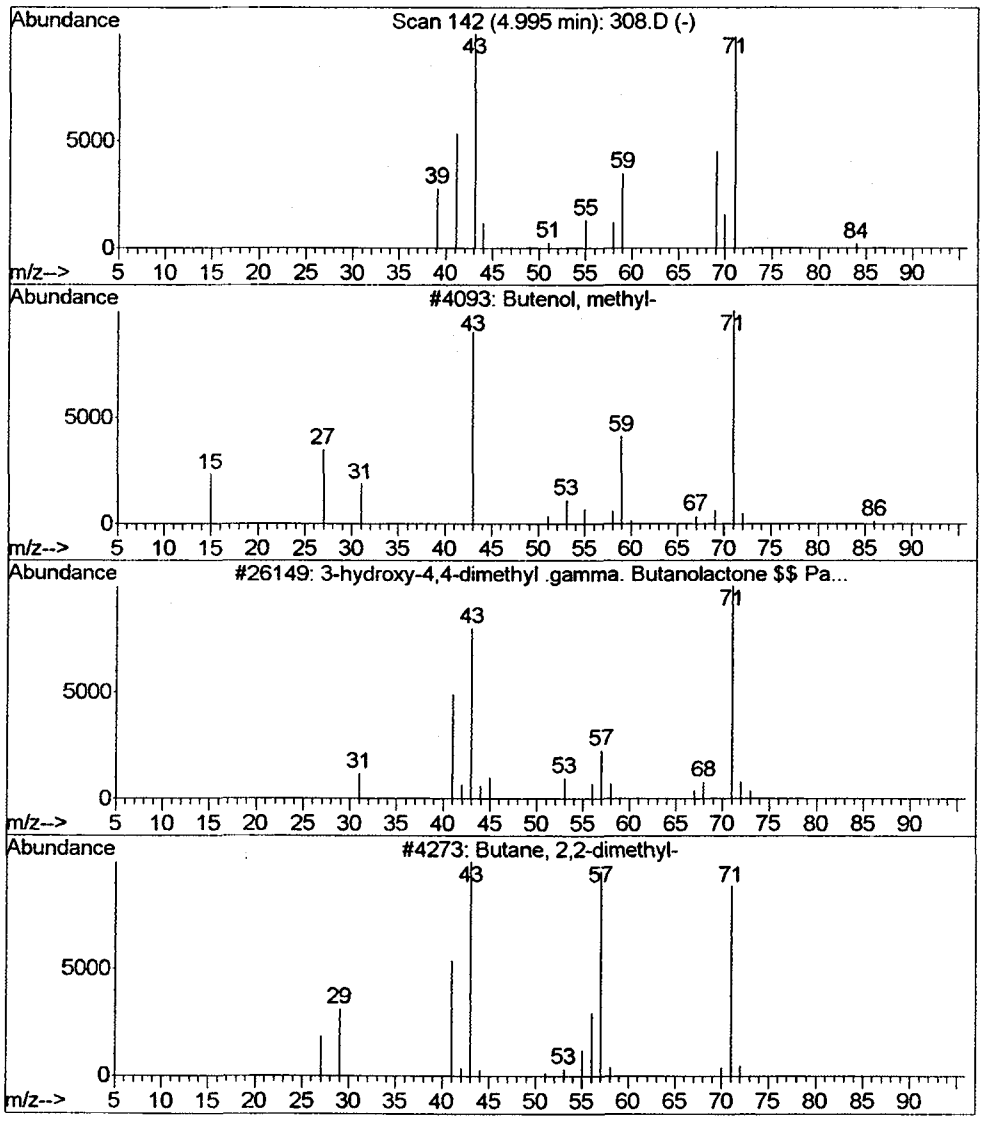
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

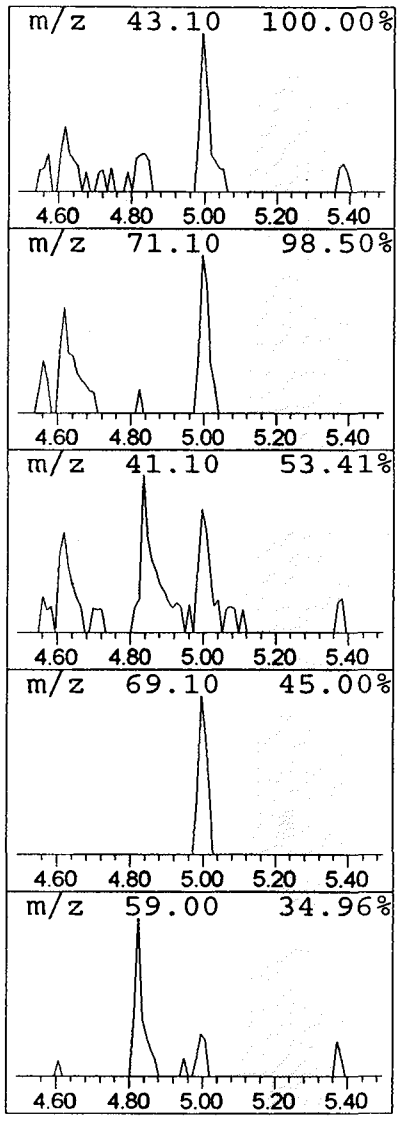
****

Peak Number 4 Butenol, methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.99	0.14 ug/L	46061	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butenol, methyl-	86	C5H10O	060766-00-9	9
2	3-hydroxy-4,4-dimethyl .gamma. B...	130	C6H10O3	052126-90-6	9
3	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	9
4	DEUTEROACETONE	59	C3H5DO	004468-52-4	7





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN08\308.D Vial: 7
Acq On : 8 Jan 2002 10:28 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

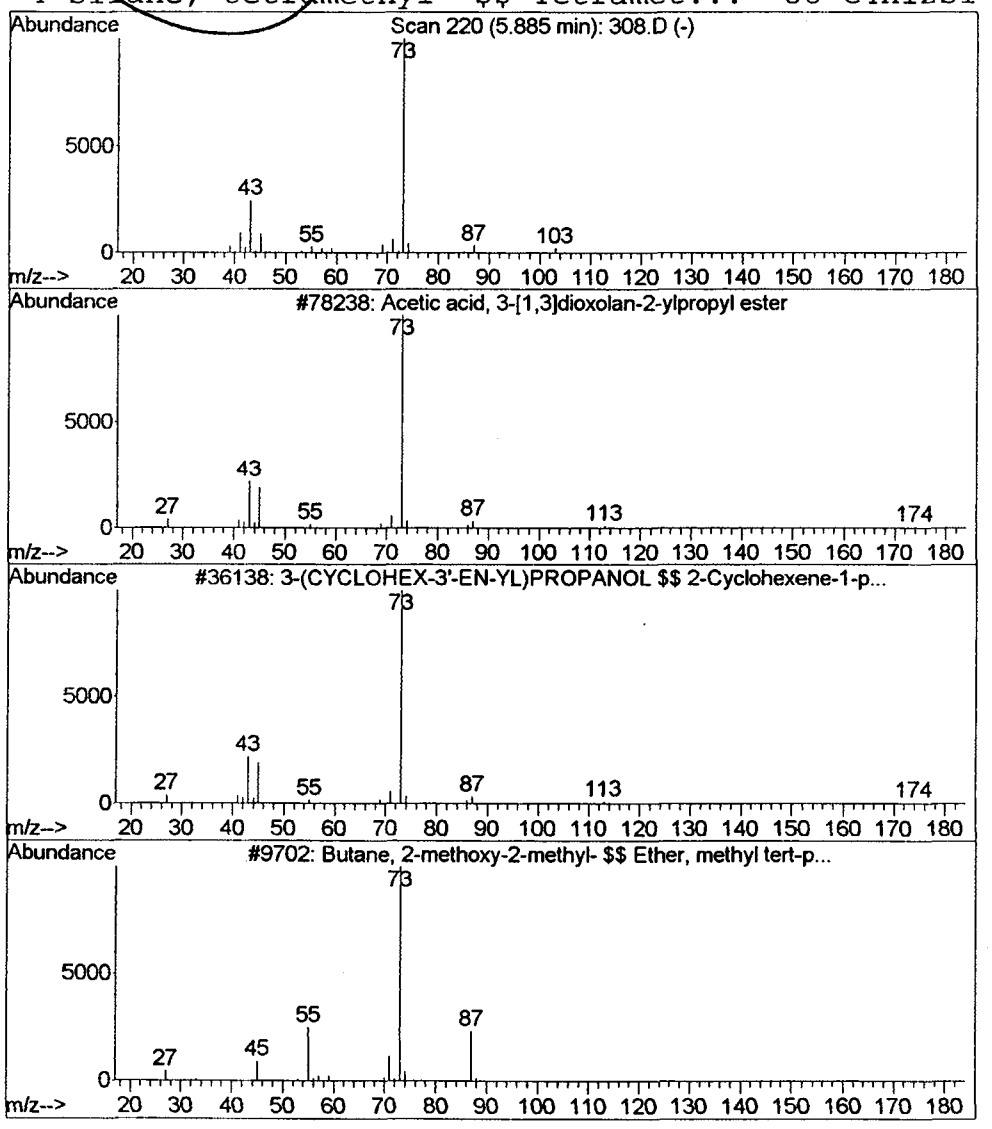
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

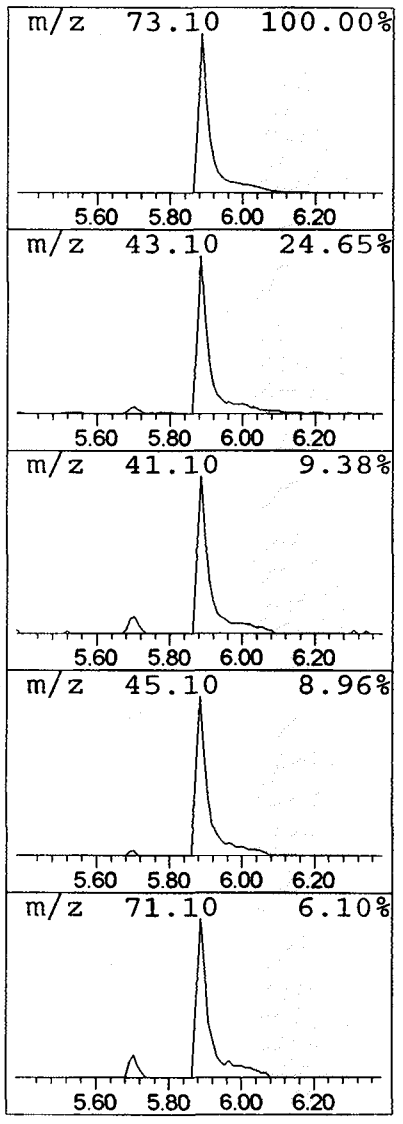
****

Peak Number 5 Acetic acid, 3-[1,3]dioxola... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	4.51 ug/L	1478340	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	36
2	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	36
3	Butane, 2-methoxy-2-methyl- $$ E...	102	C6H14O	000994-05-8	33
4	Silane, tetramethyl- $$ Tetramet...	88	C4H12Si	000075-76-3	25





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN08\308.D Vial: 7
Acq On : 8 Jan 2002 10:28 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

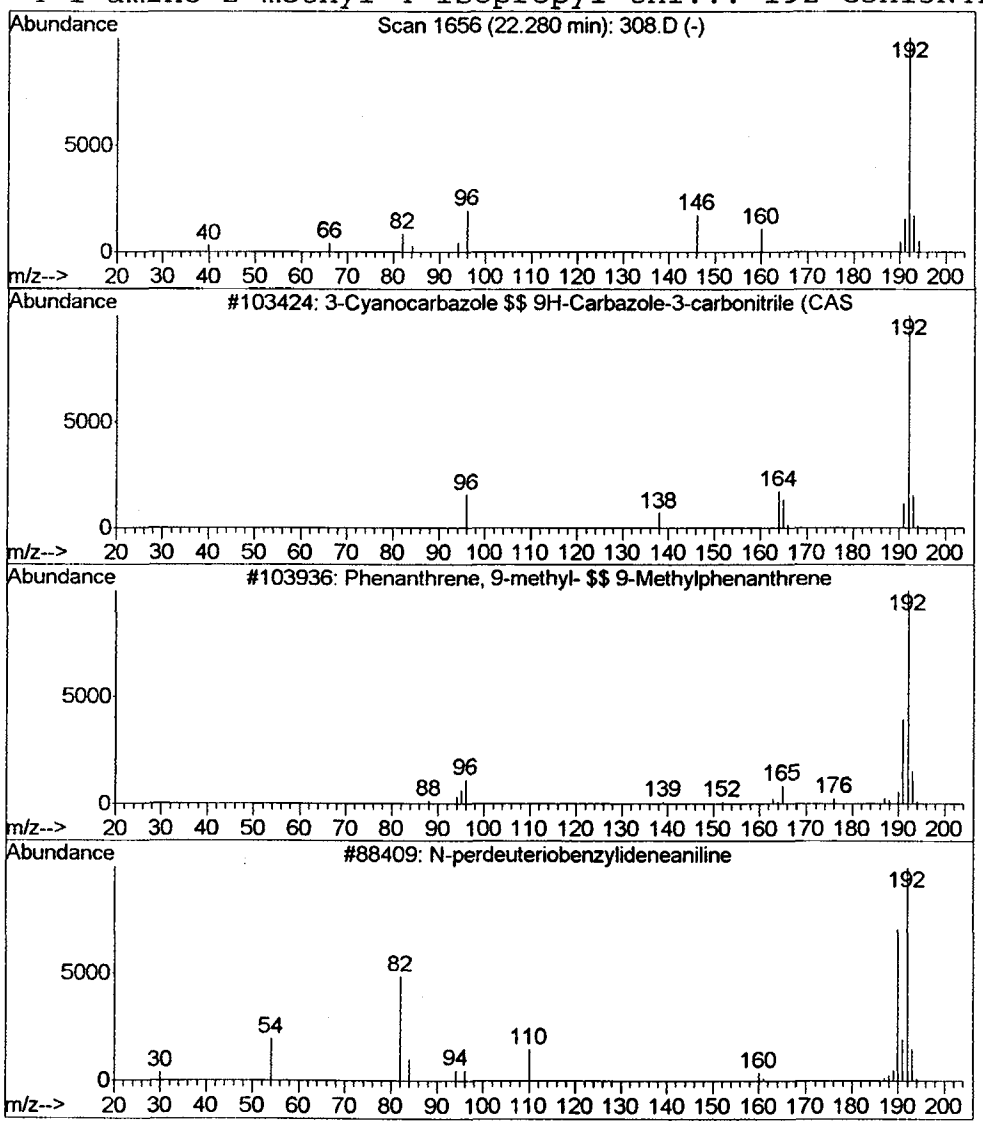
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

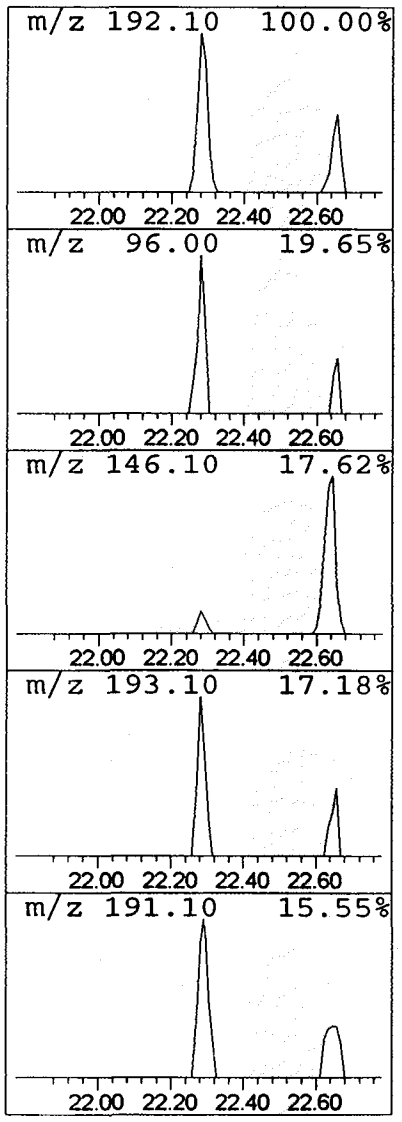
****

Peak Number 6 3-Cyanocarbazole $$ 9H-Carb... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.13 ug/L	69183	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Cyanocarbazole $$ 9H-Carbazole...	192	C13H8N2	057102-93-9	72
2	Phenanthrene, 9-methyl- $$ 9-Met...	192	C15H12	000883-20-5	64
3	N-perdeuteriobenzylideneaniline	192	C13D11N	000538-51-2	52
4	1-amino-2-methyl-4-isopropyl-thi...	192	C5H13N4PS	107264-54-0	50





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN08\308.D Vial: 7
Acq On : 8 Jan 2002 10:28 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

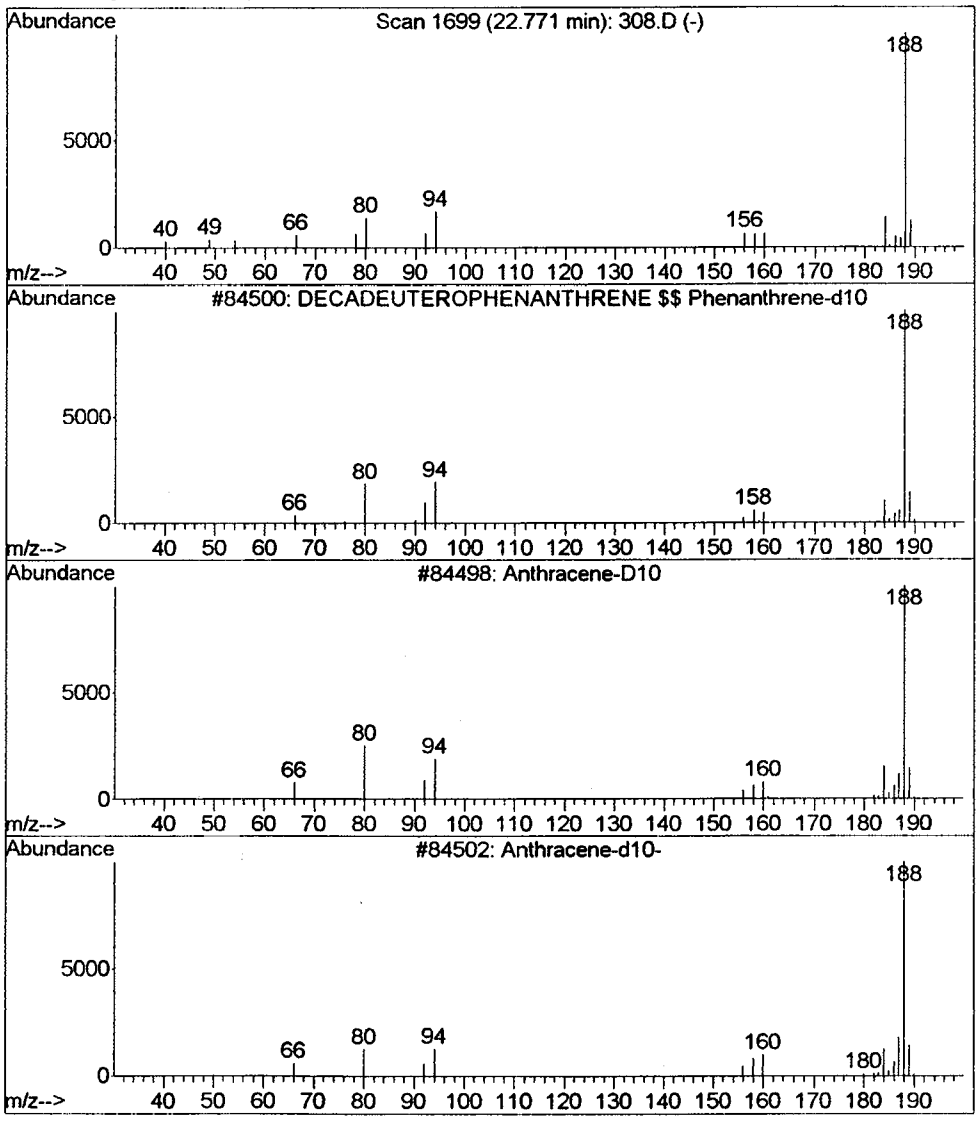
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

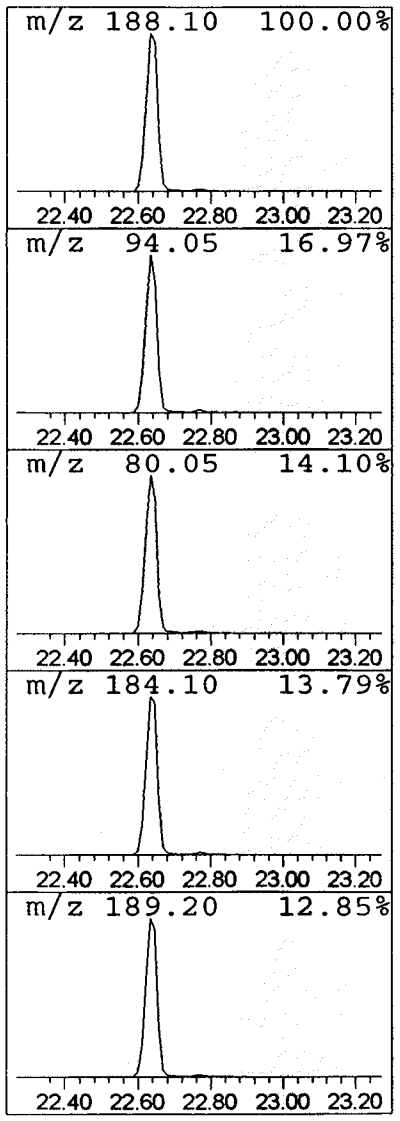
****

Peak Number 7 DECADEUTEROPHENANTHRENE $$ ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.30 ug/L	158528	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	94
2	Anthracene-D10	188	C14D10	000000-00-0	90
3	Anthracene-d10-	188	C14D10	001719-06-8	87
4	Phenanthrene-d10	188	C14D10	001517-22-2	80





Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 8 Jan 2002 10:28 pm
Data File: C:\MSDCHEM\1\5973N\02JAN08\308.D
Name: 508scan
Misc: January 8, 2002
Method: C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
Title: 508 scan method
Library Searched: C:\DATABASE\WILEY7N.L

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Formic acid, 2-me...	4.24	0.1	ug/L	39072	1	9.71	6552010	20.0
2-Buten-1-ol, 2-m...	4.62	0.1	ug/L	39314	1	9.71	6552010	20.0
Cyclopentanone	4.83	0.2	ug/L	78046	1	9.71	6552010	20.0
Butenol, methyl-	4.99	0.1	ug/L	46061	1	9.71	6552010	20.0
Acetic acid, 3-[1...	5.89	4.5	ug/L	1478340	1	9.71	6552010	20.0
3-Cyanocarbazole ...	22.28	0.1	ug/L	69183	4	22.63	10648700	20.0
DECADEUTEROPHENAN...	22.77	0.3	ug/L	158528	4	22.63	10648700	20.0

Comments for Sample AE00308 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-10-2002 Time: 17:33:00

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
The recoveries for 12 of the 43 compounds in the LCS Standard were above their acceptance ranges.