User: Baglioni, Walter
Westchester Dept. of Labs & Research
Date: 01/10/2002 Time: 11:03:54

Sample: AE00309
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		113		5.0

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN08\309.D Vial: 8
Acq On : 8 Jan 2002 11:19 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 09 12:51:27 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	1124915	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	4819634	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	2489999	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.63	188	4193847	20.00	ug/L	-0.03
38) Chrysene-d12	30.49	240	3835422	20.00	ug/L	-0.02
44) Perylene-d12	34.42	264	2662144	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	375875	5.67	ug/L	0.00
Spiked Amount 5.000			Recovery = 113.40%			
Target Compounds						Qvalue
2) N-nitroso-dimethylamine	3.60	74	10517	0.22	ug/L #	13
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	400789	2.44	ug/L #	56
21) 2,6-Dinitrotoluene	18.34	165	318702	9.94	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
309.D SCAN508.M Wed Jan 09 12:51:28 2002 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN08\309.D Vial: 8
Acq On : 8 Jan 2002 11:19 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 09 12:51:27 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

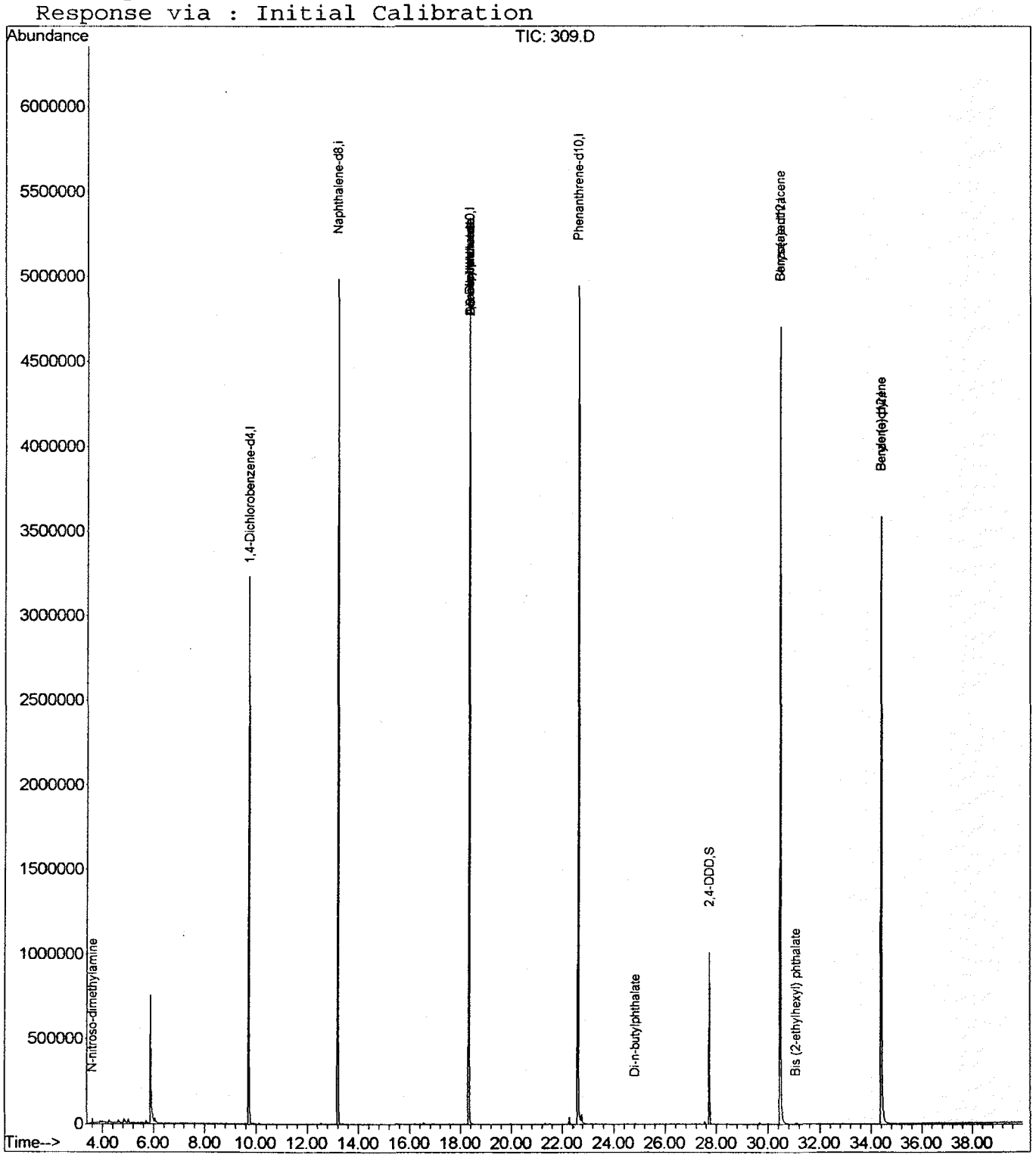
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
35) Di-n-butylphthalate	24.85	149	8399	0.03 ug/L #	76
36) Fluoranthene	0.00	202	0	N.D.	
39) Pyrene	0.00	202	0	N.D.	
40) Butylbenzylphthalate	0.00	149	0	N.D.	
41) Benzo(a)anthracene	30.49	228	8336	0.04 ug/L #	52
42) Bis (2-ethylhexyl) phthala	31.11	149	8660	0.59 ug/L	92
43) Chrysene	30.49	228	8336	0.04 ug/L #	50
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	9114	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
309.D SCAN508.M Wed Jan 09 12:51:28 2002 Page 2

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN08\309.D Vial: 8
Acq On : 8 Jan 2002 11:19 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\309.D Vial: 8
Acq On : 8 Jan 2002 11:19 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

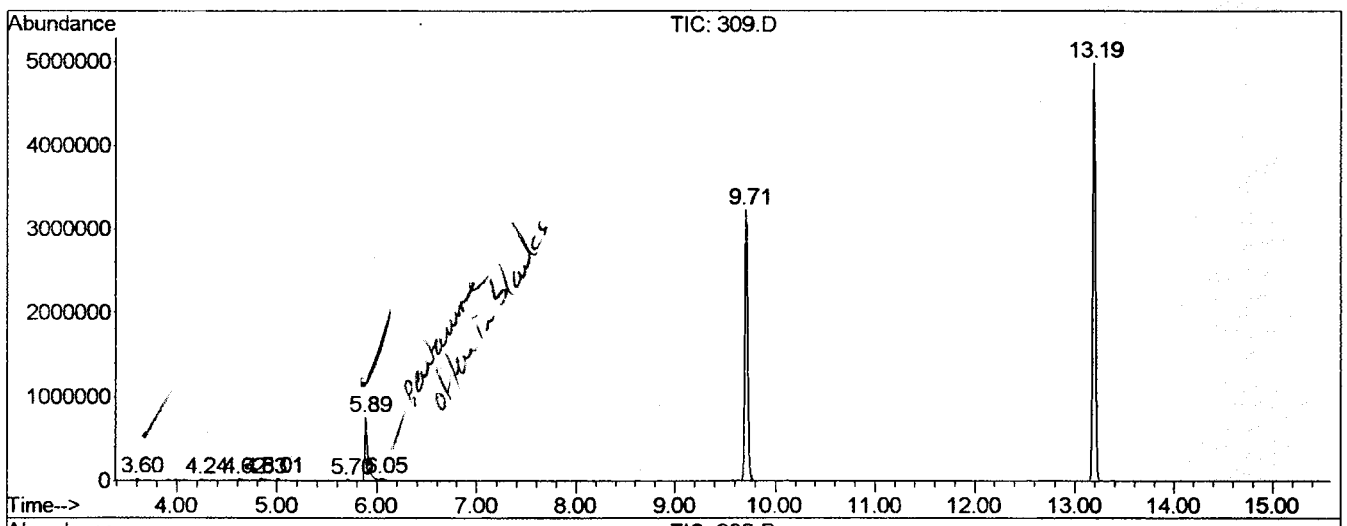
Signal : TIC

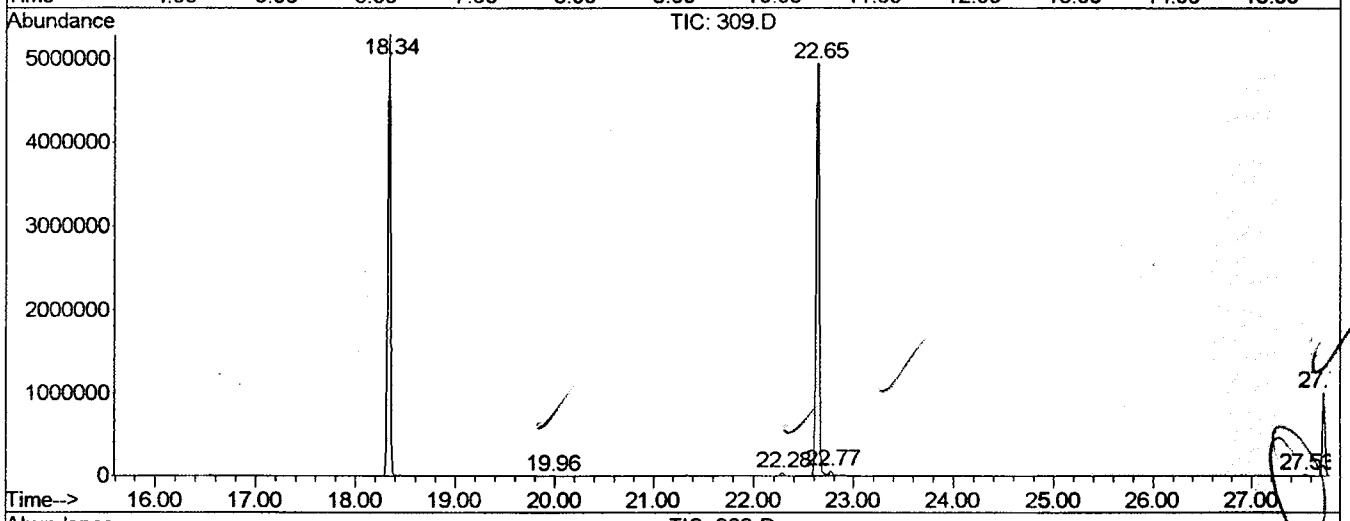
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.602	17	20	25	rBV	28251	42624	0.38%	0.070%
2	4.241	73	76	83	rBV2	17124	40899	0.37%	0.067%
3	4.618	107	109	121	rVB3	16136	44189	0.39%	0.072%
4	4.835	123	128	141	rBV3	22787	77518	0.69%	0.127%
5	5.006	141	143	147	rVB	24156	41048	0.37%	0.067%
6	5.703	199	204	209	rVV	15509	32348	0.29%	0.053%
7	5.885	217	220	231	rVV	753990	1547353	13.83%	2.531%
8	6.045	231	234	253	rVB	31715	103965	0.93%	0.170%
9	9.710	551	555	561	rVV	3228367	6396168	57.16%	10.463%
10	13.192	855	860	865	rBV	4983373	9229469	82.49%	15.097%
11	18.341	1305	1311	1315	rBV	5291051	10111831	90.37%	16.540%
12	19.962	1445	1453	1465	rVB4	4898	26579	0.24%	0.043%
13	22.280	1653	1656	1661	rBV	43227	83389	0.75%	0.136%
14	22.645	1681	1688	1693	rBV2	4941420	11124157	99.42%	18.196%
15	22.771	1697	1699	1707	rVB	57103	124908	1.12%	0.204%
16	27.532	2113	2116	2123	rBV2	16558	40825	0.36%	0.067%
17	27.726	2129	2133	2139	rVV	1009062	1801885	16.10%	2.947%
18	30.489	2369	2375	2381	rBV2	4700561	11189178	100.00%	18.303%
19	31.105	2427	2429	2439	rVB4	10725	30161	0.27%	0.049%
20	34.416	2713	2719	2743	rBV	3582815	9045725	80.84%	14.797%

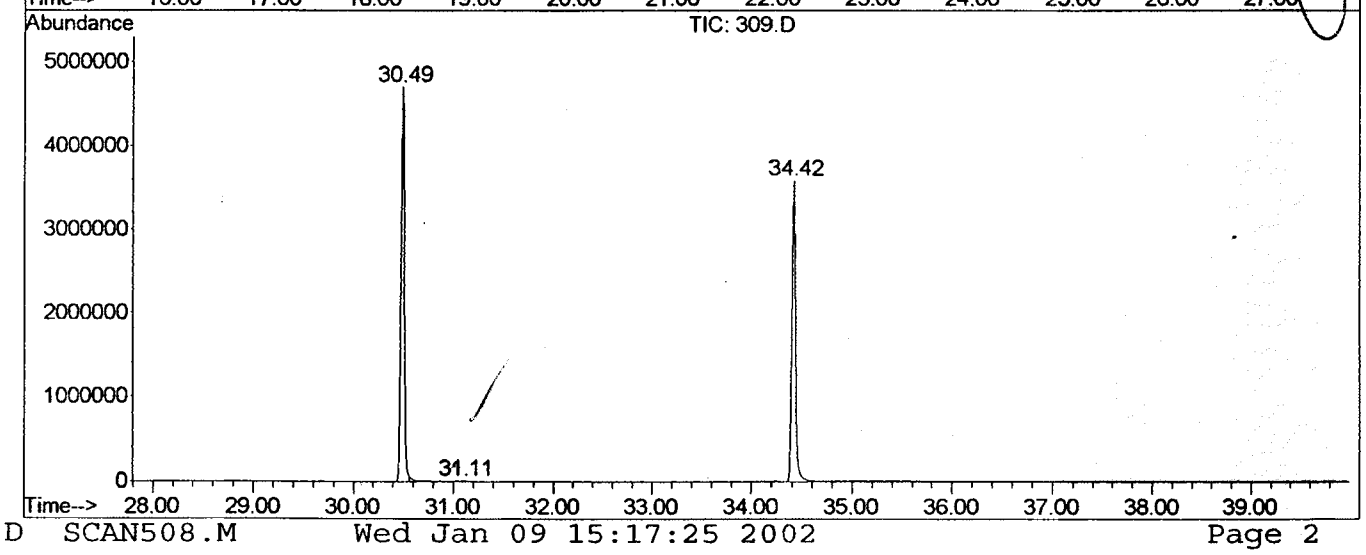
Sum of corrected areas: 61134219

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02JAN08\309.D
Operator :
Acquired : 8 Jan 2002 11:19 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508scan
Misc Info : January 8, 2002
Vial Number: 8
Quant File :SCAN508.RES (RTE Integrator)







Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN08\309.D Vial: 8
Acq On : 8 Jan 2002 11:19 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

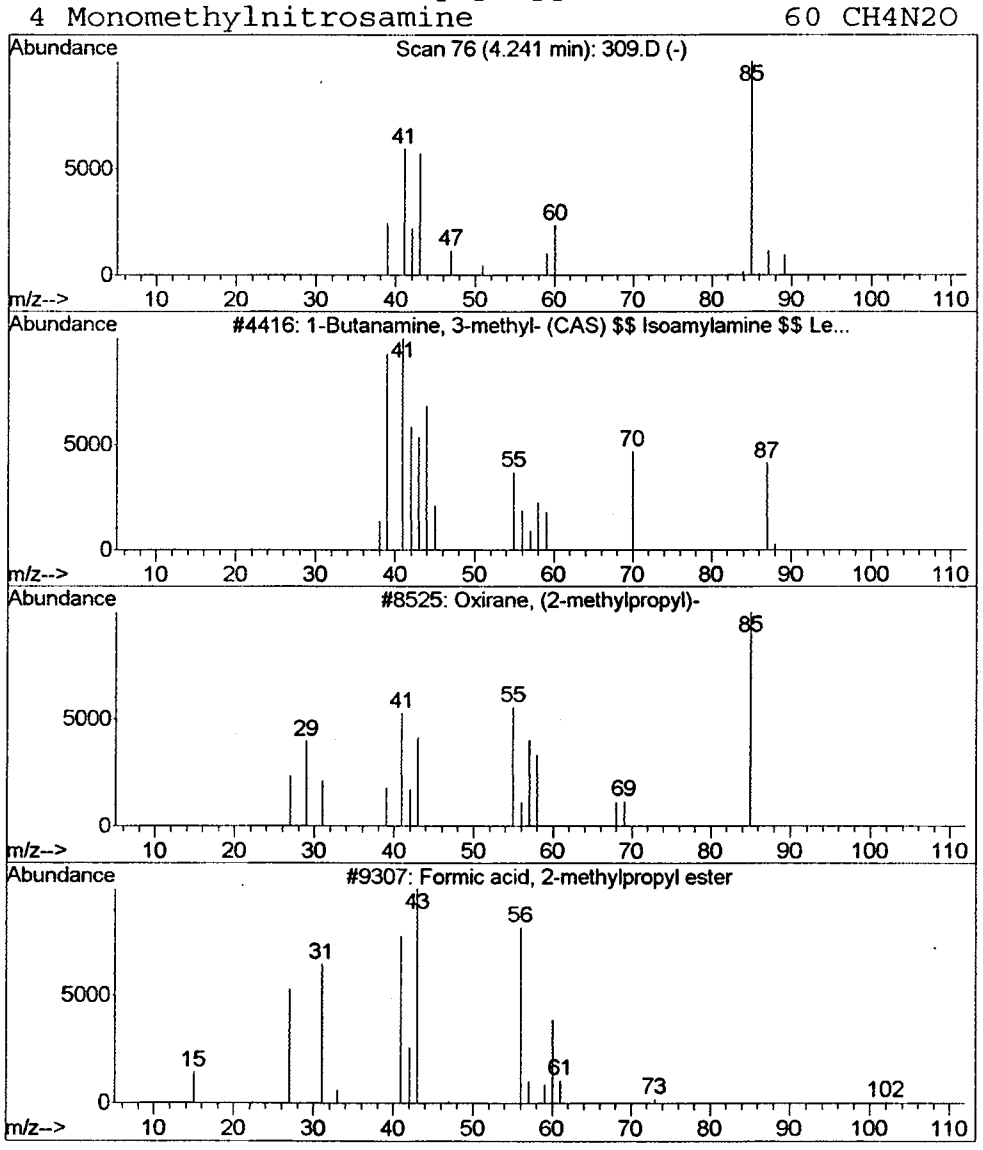
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

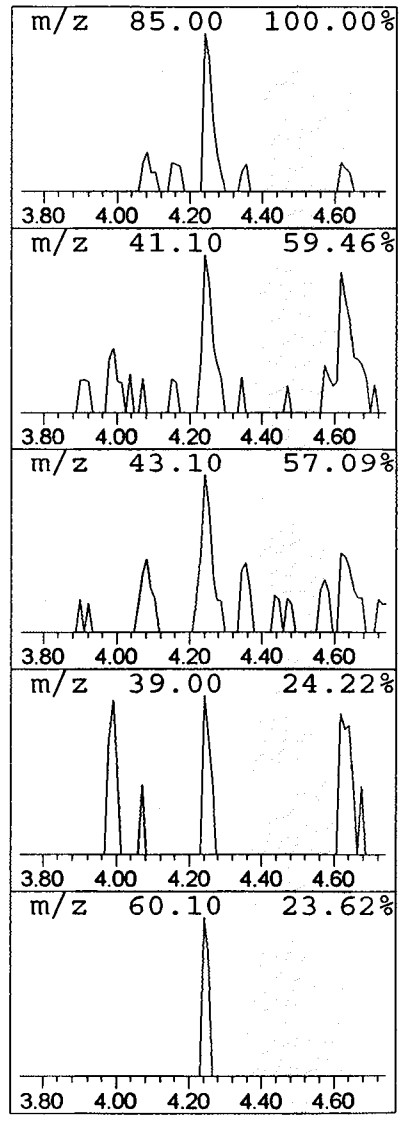
****

Peak Number 1 1-Butanamine, 3-methyl- (CA... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.24	0.13 ug/L	40899	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanamine, 3-methyl- (CAS) $$...	87	C5H13N	000107-85-7	9
2	Oxirane, (2-methylpropyl)-	100	C6H12O	023850-78-4	9
3	Formic acid, 2-methylpropyl ester	102	C5H10O2	000542-55-2	8
4	Monomethylnitrosamine	60	CH4N2O	064768-29-2	7





Library Search Compound Report

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Acq On : 8 Jan 2002 11:19 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

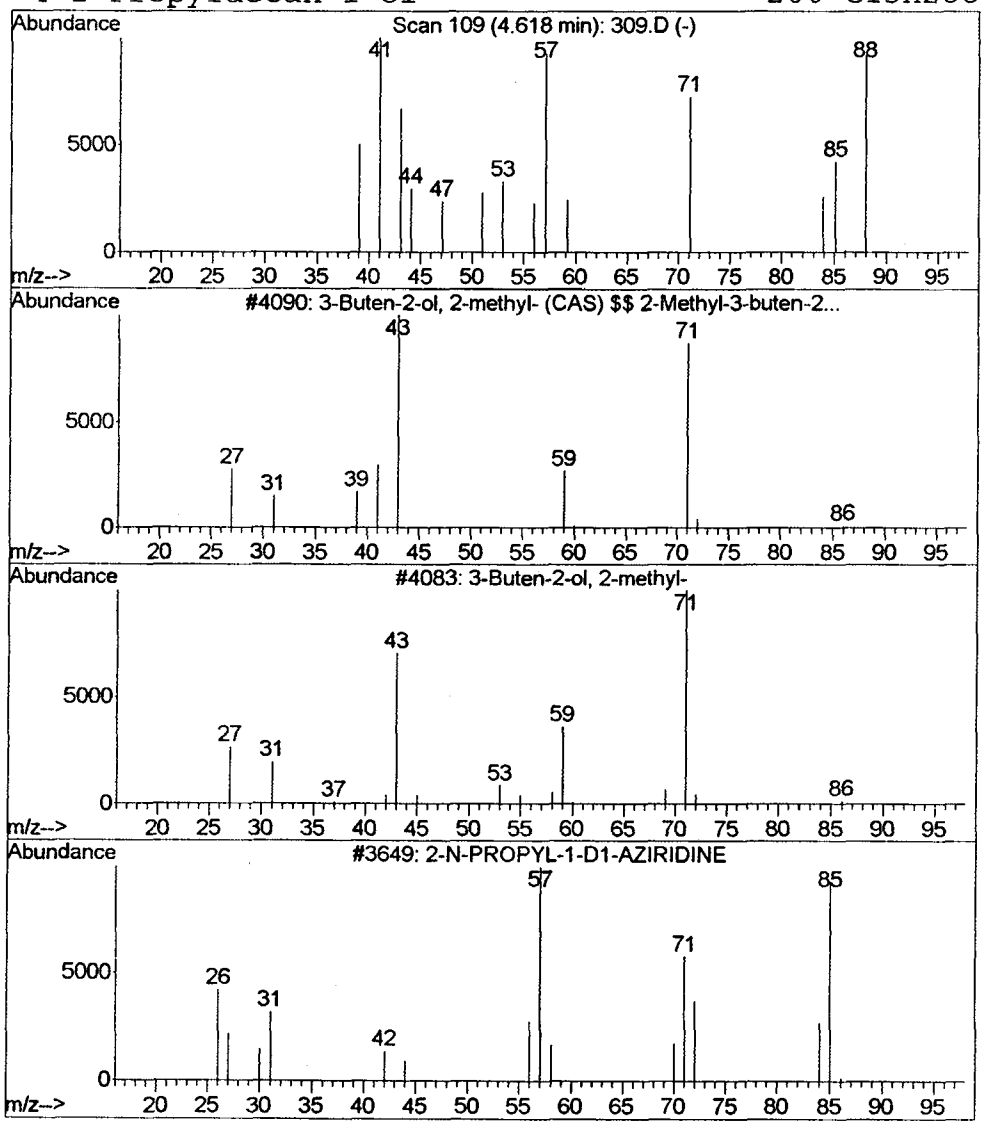
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

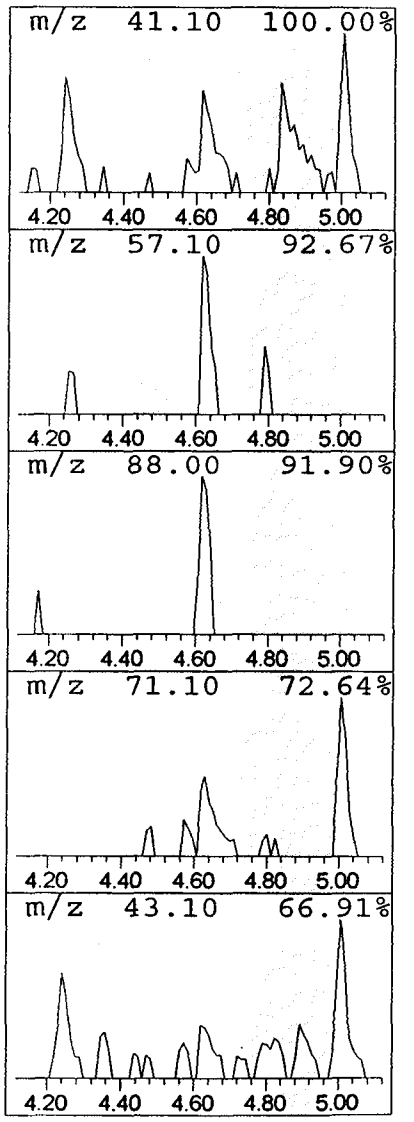
****

Peak Number 2 3-Buten-2-ol, 2-methyl- (CA... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.62	0.14 ug/L	44189	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-ol, 2-methyl- (CAS) $$...	86	C5H10O	000115-18-4	9
2	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	9
3	2-N-PROPYL-1-D1-AZIRIDINE	86	C5H10DN	030691-56-6	9
4	2-Propyldecan-1-ol	200	C13H28O	000000-00-0	9





Data File : C:\MSDCHEM\1\5973N\02JAN08\309.D Vial: 8
Acq On : 8 Jan 2002 11:19 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

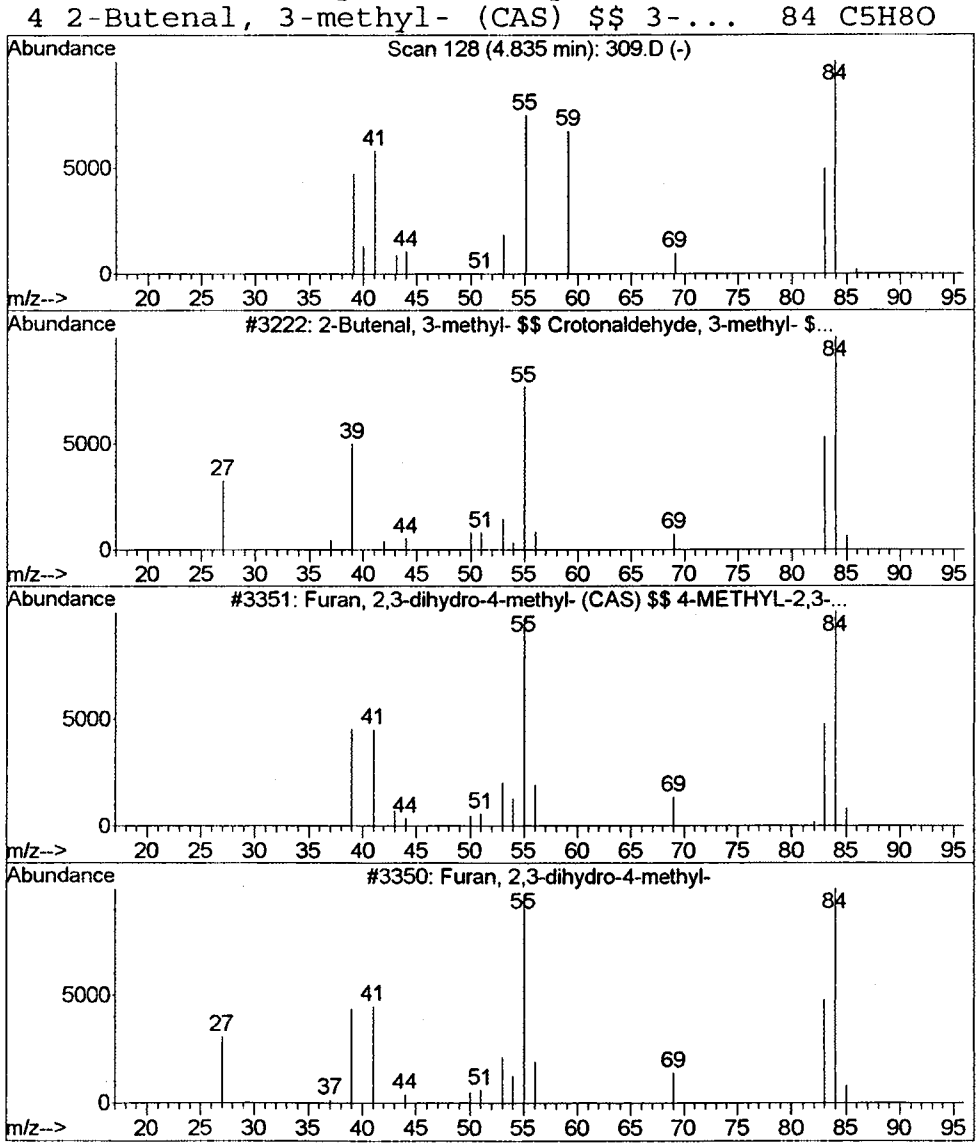
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

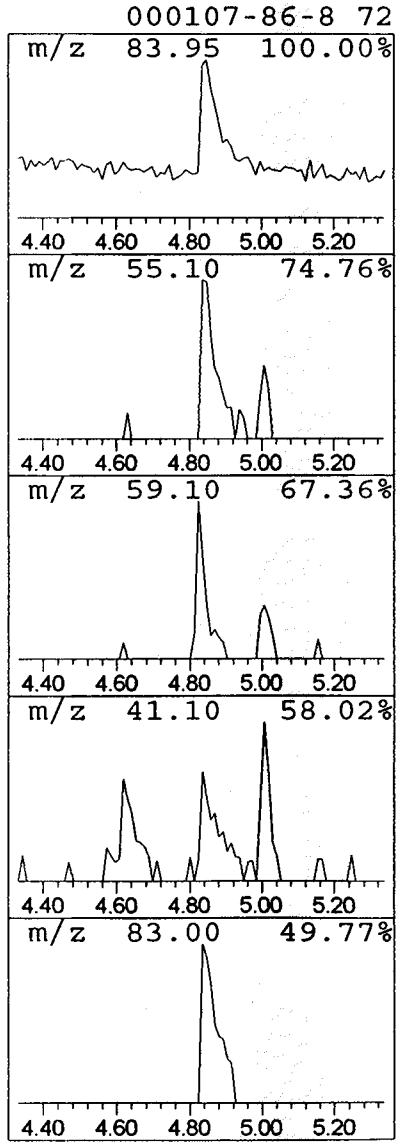
****

Peak Number 3 2-Butenal, 3-methyl- $$ Cro... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.83	0.24 ug/L	77518	1,4-Dichlorobenzene-d4	9.72

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





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Acq On : 8 Jan 2002 11:19 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

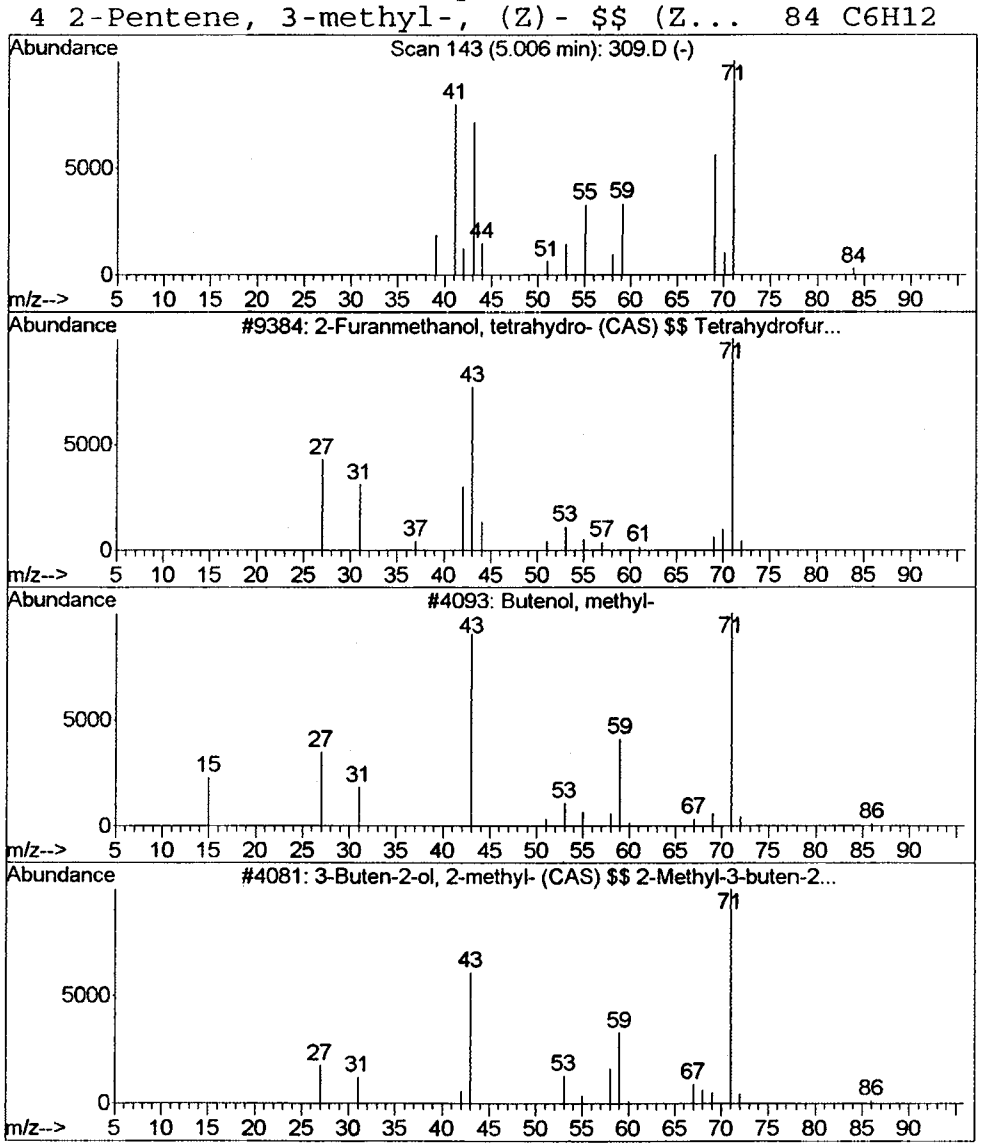
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

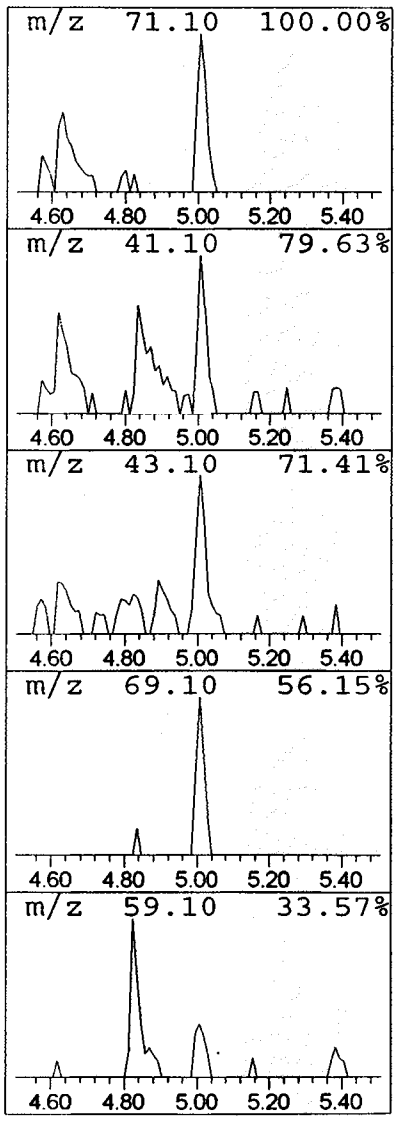
****

Peak Number 4 2-Furanmethanol, tetrahydro... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	0.13 ug/L	41048	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Furanmethanol, tetrahydro- (CA...	102	C5H10O2	000097-99-4	38
2	Butenol, methyl-	86	C5H10O	060766-00-9	36
3	3-Buten-2-ol, 2-methyl- (CAS) $$...	86	C5H10O	000115-18-4	36
4	2-Pentene, 3-methyl-, (Z)- $$ (Z...	84	C6H12	000922-62-3	14





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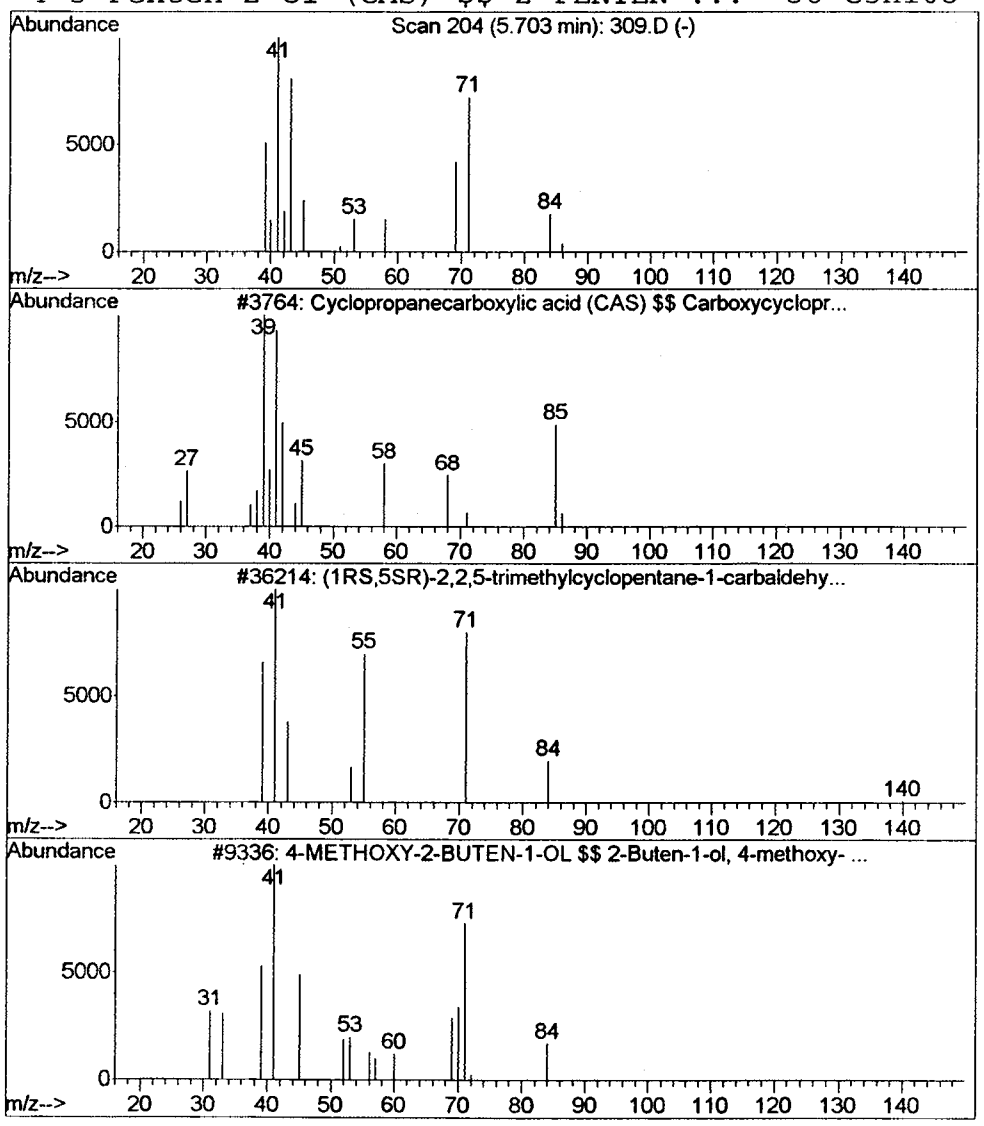
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

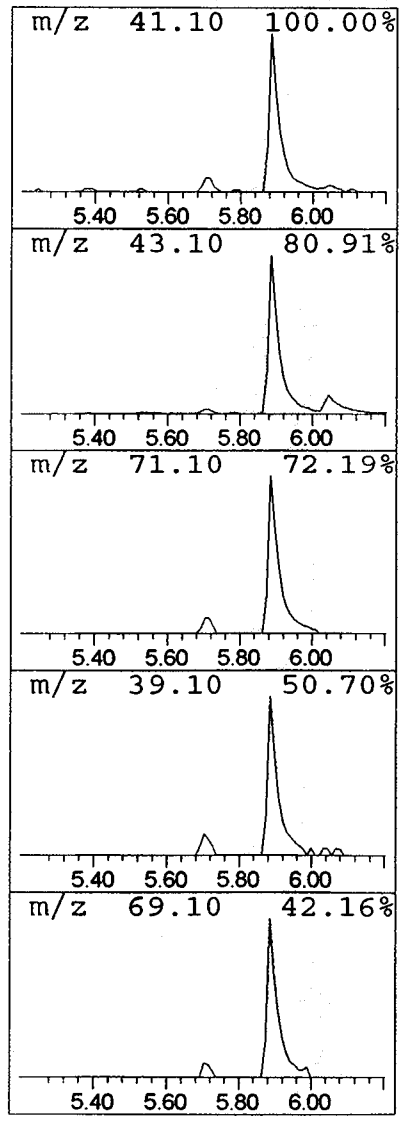
****

Peak Number 5 Cyclopropanecarboxylic acid... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.70	0.10 ug/L	32348	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropanecarboxylic acid (CAS...	86	C4H6O2	001759-53-1	43
2	(1RS,5SR)-2,2,5-trimethylcyclope...	140	C9H16O	122052-80-6	37
3	4-METHOXY-2-BUTEN-1-OL $$ 2-Bute...	102	C5H10O2	026089-32-7	28
4	3-Penten-2-ol (CAS) $$ 2-PENTEN-...	86	C5H10O	001569-50-2	25





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN08\309.D Vial: 8
Acq On : 8 Jan 2002 11:19 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

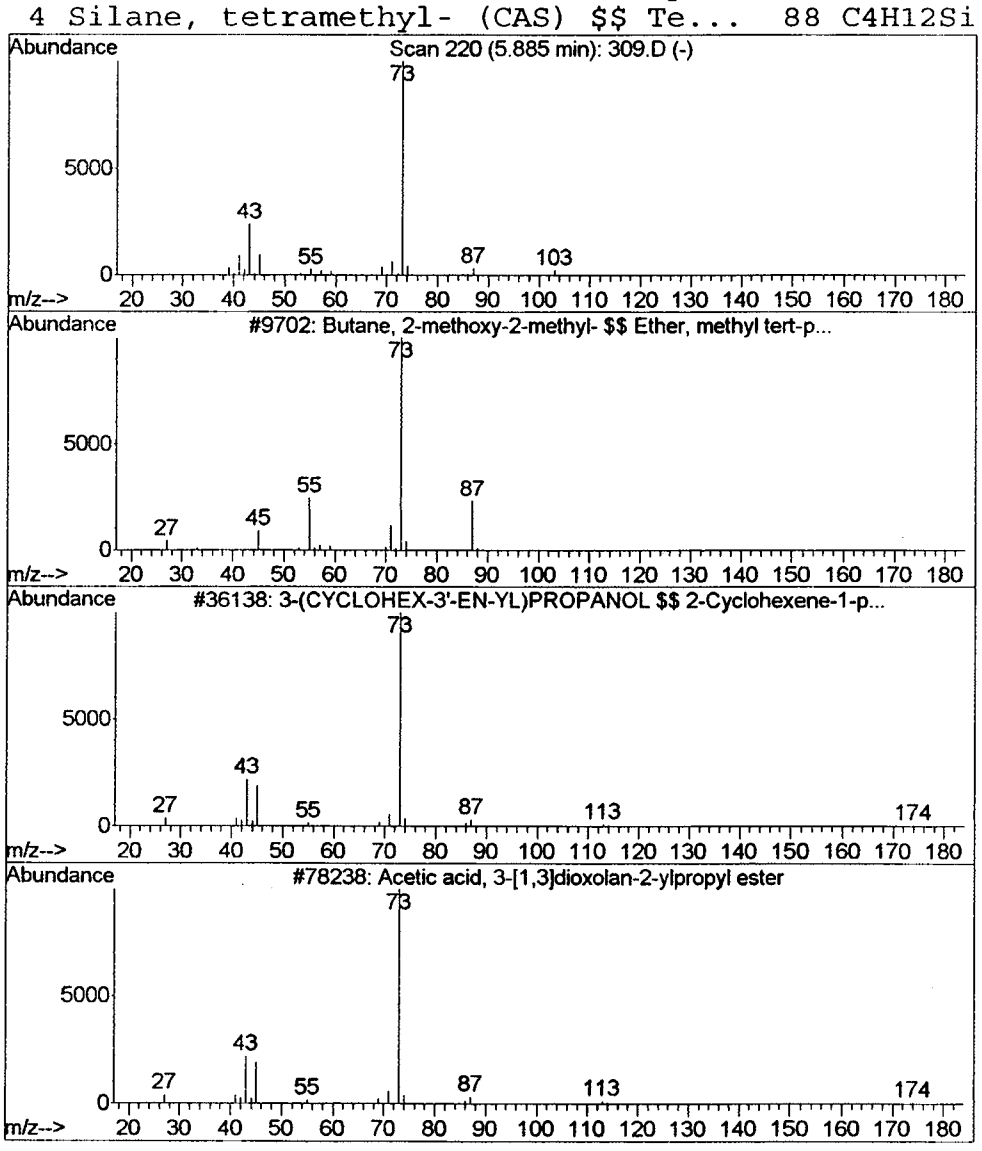
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

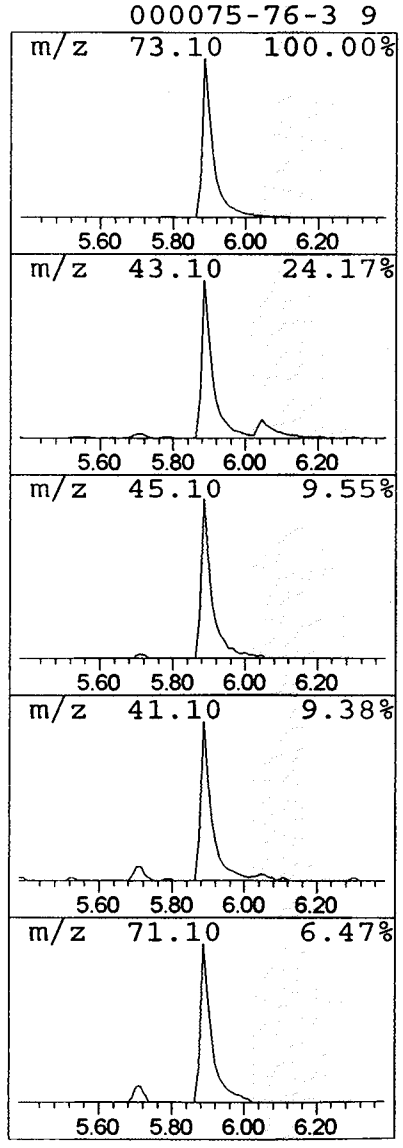
****

Peak Number 6 Butane, 2-methoxy-2-methyl-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	4.84 ug/L	1547350	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl- $$ E...	102	C6H14O	000994-05-8	36
2	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	33
3	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	33
4	Silane, tetramethyl- (CAS) $$ Te...	88	C4H12Si	000075-76-3	9





Library Search Compound Report

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Acq On : 8 Jan 2002 11:19 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
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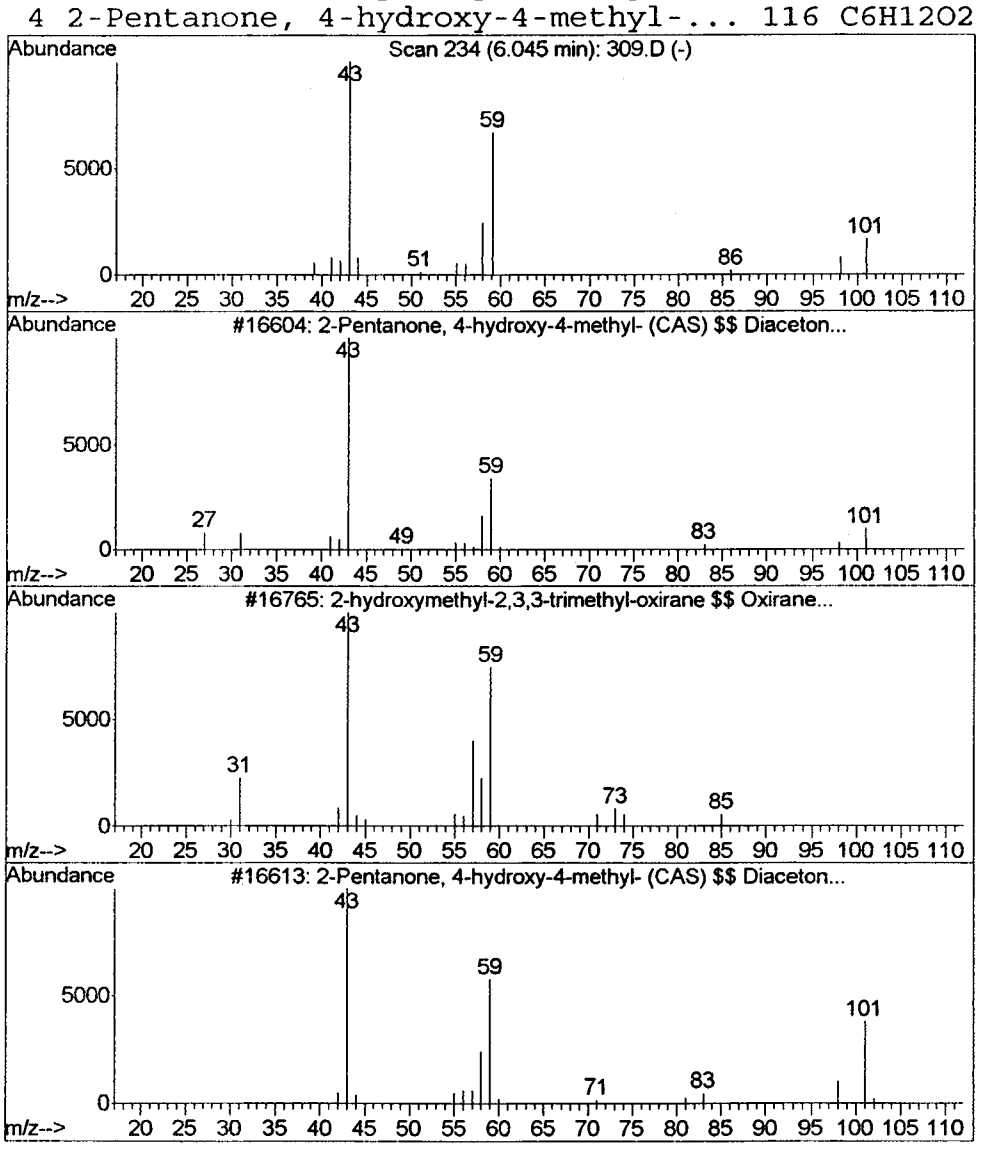
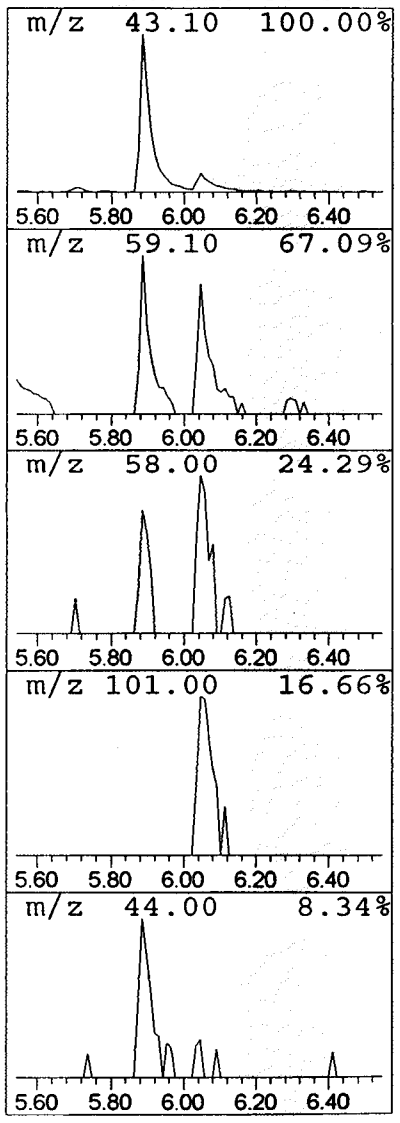
****

Peak Number 7 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.05	0.33 ug/L	103965	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-...	116	C6H12O2	000123-42-2	83
2	2-hydroxymethyl-2,3,3-trimethyl-...	116	C6H12O2	110933-26-1	64
3	2-Pentanone, 4-hydroxy-4-methyl-...	116	C6H12O2	000123-42-2	45
4	2-Pentanone, 4-hydroxy-4-methyl-...	116	C6H12O2	000123-42-2	39





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN08\309.D Vial: 8
Acq On : 8 Jan 2002 11:19 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

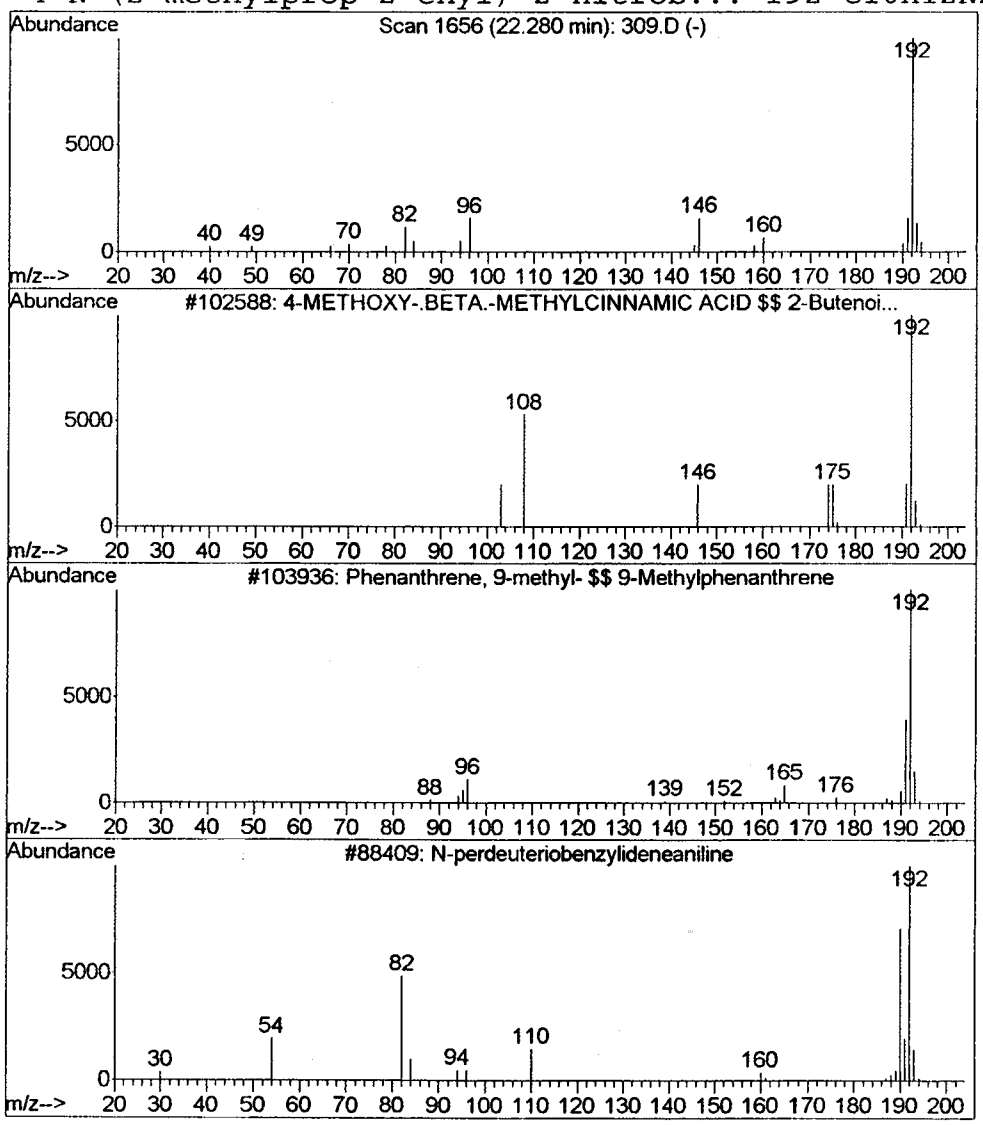
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

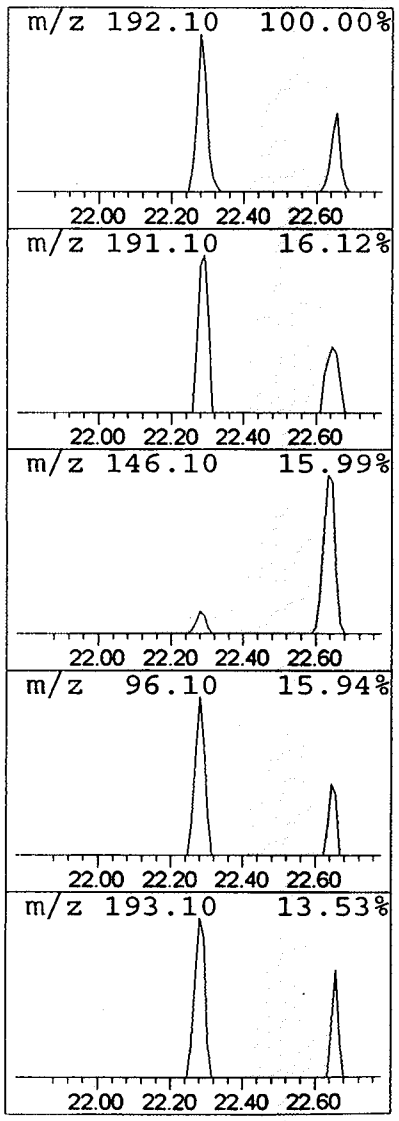
****

Peak Number 8 4-METHOXY-.BETA.-METHYLCINN... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.15 ug/L	83389	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-METHOXY-.BETA.-METHYLCINNAMIC ...	192	C11H12O3	019169-94-9	72
2	Phenanthrene, 9-methyl- $$ 9-Met...	192	C15H12	000883-20-5	59
3	N-perdeuteriobenzylideneaniline	192	C13D11N	000538-51-2	58
4	N-(2-methylprop-2-enyl)-2-nitrob...	192	C10H12N2O2	000000-00-0	52





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN08\309.D Vial: 8
Acq On : 8 Jan 2002 11:19 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

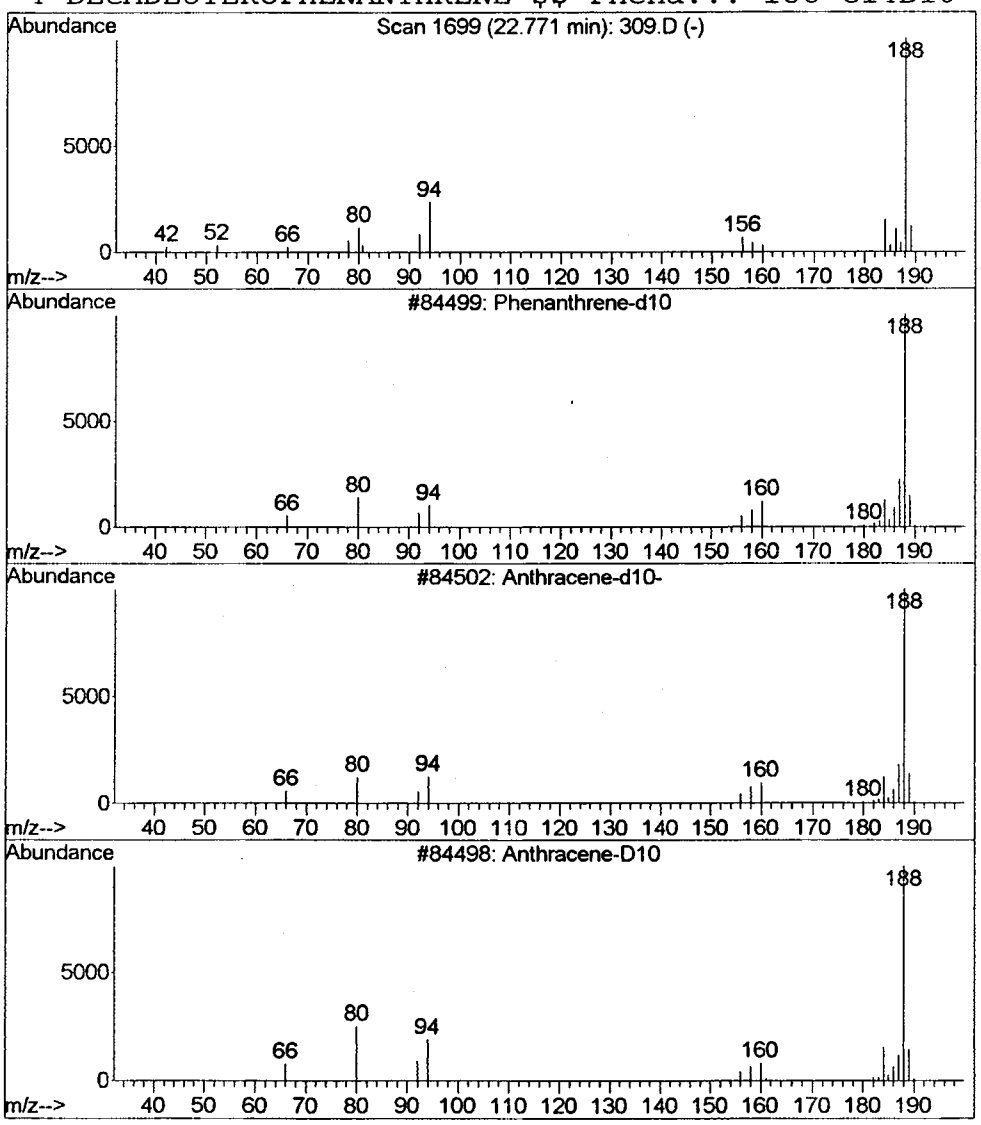
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

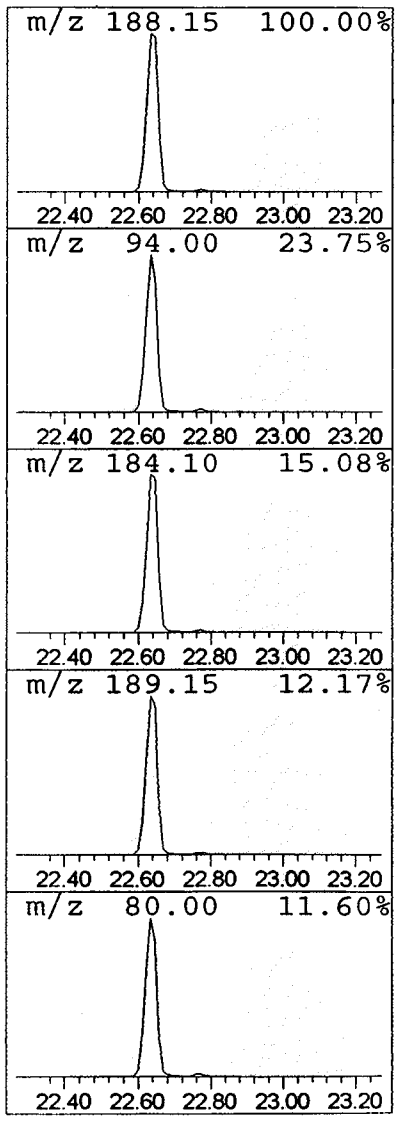
****

Peak Number 9 Phenanthrene-d10 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.22 ug/L	124908	Phenanthrene-d10	22.63

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	83
3	Anthracene-D10	188	C14D10	000000-00-0	72
4	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	47





Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 8 Jan 2002 11:19 pm
Data File: C:\MSDCHEM\1\5973N\02JAN08\309.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
1-Butanamine, 3-m...	4.24	0.1	ug/L	40899	1	9.72	6396170	20.0
3-Buten-2-ol, 2-m...	4.62	0.1	ug/L	44189	1	9.72	6396170	20.0
2-Butenal, 3-meth...	4.83	0.2	ug/L	77518	1	9.72	6396170	20.0
2-Furanmethanol, ?..	5.01	0.1	ug/L	41048	1	9.72	6396170	20.0
Cyclopropanecarbo...	5.70	0.1	ug/L	32348	1	9.72	6396170	20.0
Butane, 2-methoxy...	5.89	4.8	ug/L	1547350	1	9.72	6396170	20.0
2-Pentanone, 4-hy...	6.05	0.3	ug/L	103965	1	9.72	6396170	20.0
4-METHOXY-.BETA.-...	22.28	0.1	ug/L	83389	4	22.63	11124200	20.0
Phenanthrene-d10	22.77	0.2	ug/L	124908	4	22.63	11124200	20.0

Comments for Sample AE00309 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-10-2002 Time: 17:34:11

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.