User: Baglioni, Walter
Westchester Dept. of Labs & Research
Date: 01/10/2002 Time: 11:03:27

Sample: AE00307
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	Vial	Result	Qualifier	MDL
1	Other unknown compounds		< MDL		
2	Surr_2,4-DDD		102		5.0

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN08\307.D Vial: 6
Acq On : 8 Jan 2002 9:37 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 09 12:51:24 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	1166237	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	4837376	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	2445795	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.63	188	4043393	20.00	ug/L	-0.03
38) Chrysene-d12	30.49	240	3794970	20.00	ug/L	-0.02
44) Perylene-d12	34.42	264	2681370	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	324371	5.08	ug/L	0.00
Spiked Amount 5.000			Recovery = 101.60%			
Target Compounds						Qvalue
2) N-nitroso-dimethylamine	3.60	74	11676	0.23	ug/L #	12
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	394099	2.44	ug/L #	55
21) 2,6-Dinitrotoluene	18.34	165	314805	9.99	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
307.D SCAN508.M Wed Jan 09 12:51:25 2002 Page 1

Quantitation Report (Not Reviewed)

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Acq On : 8 Jan 2002 9:37 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 09 12:51:24 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

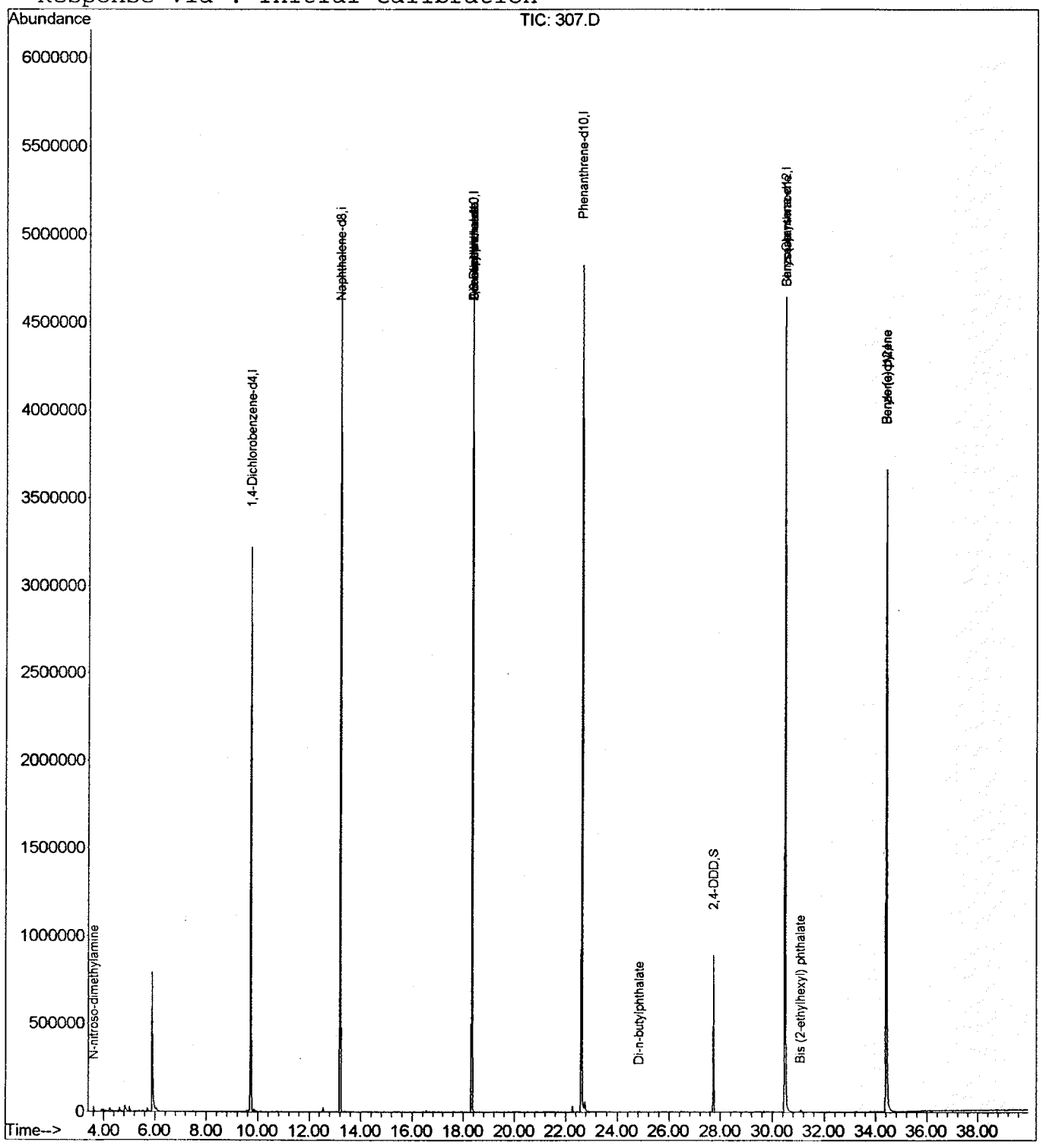
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
35)	Di-n-butylphthalate	24.85	149	10006	0.04 ug/L #	76
36)	Fluoranthene	0.00	202	0	N.D.	
39)	Pyrene	0.00	202	0	N.D.	
40)	Butylbenzylphthalate	0.00	149	0	N.D.	
41)	Benzo(a)anthracene	30.50	228	9395	0.04 ug/L #	59
42)	Bis (2-ethylhexyl) phthala	31.11	149	14129	0.62 ug/L	83
43)	Chrysene	30.50	228	9395	0.04 ug/L #	57
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	9417	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
307.D SCAN508.M Wed Jan 09 12:51:25 2002 Page 2

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN08\307.D Vial: 6
Acq On : 8 Jan 2002 9:37 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\307.D Vial: 6
Acq On : 8 Jan 2002 9:37 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

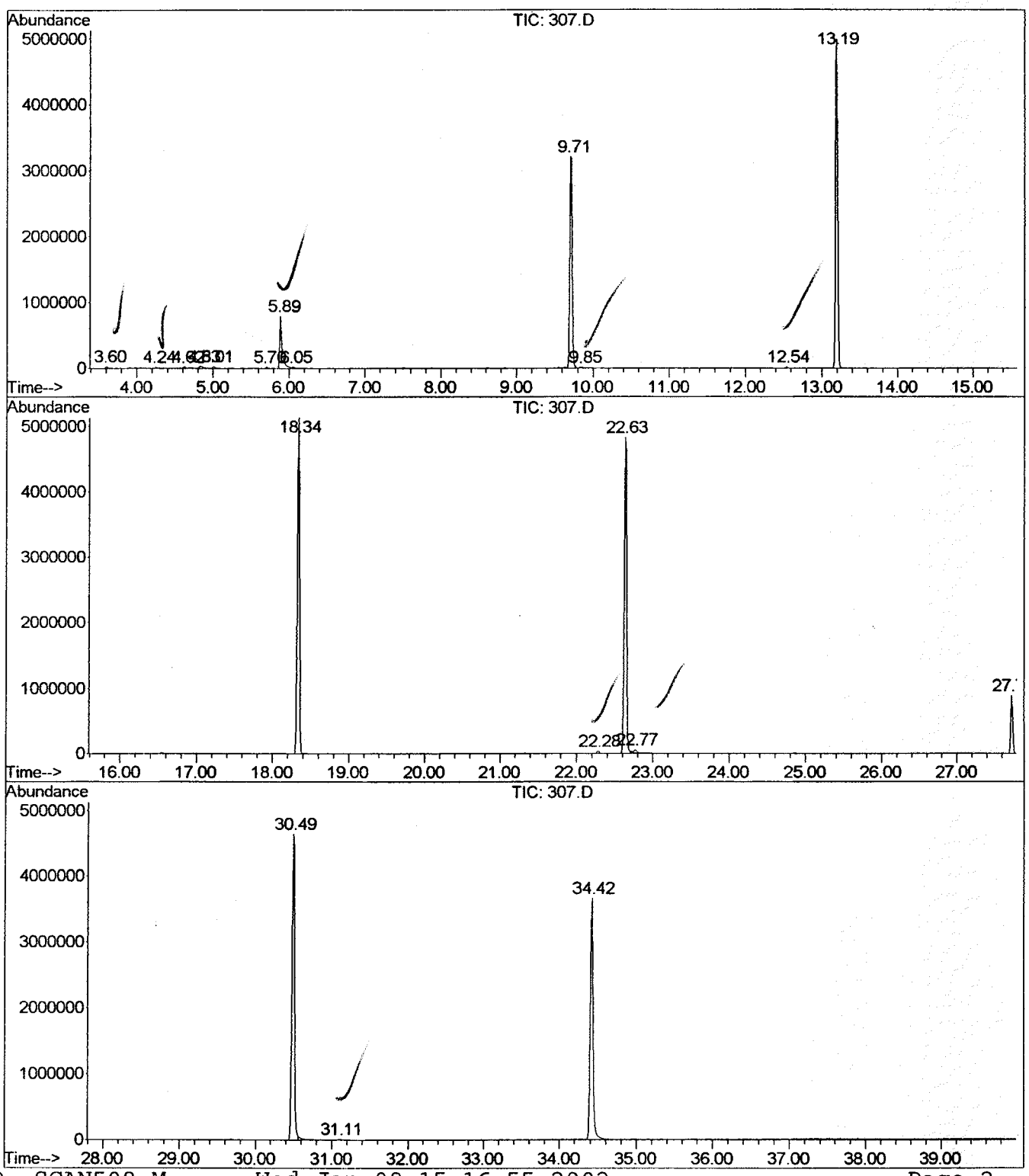
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.602	15	20	25	rBV	32219	50026	0.45%	0.082%
2	4.241	71	76	83	rVB4	22806	52429	0.47%	0.086%
3	4.618	107	109	123	rVV3	23763	55291	0.50%	0.091%
4	4.835	123	128	139	rVV2	32390	109767	0.99%	0.181%
5	5.006	139	143	151	rVB	27670	52238	0.47%	0.086%
6	5.703	201	204	209	rBV2	19614	36510	0.33%	0.060%
7	5.885	215	220	233	rVV	791920	1668136	14.97%	2.747%
8	6.045	233	234	247	rVB2	21194	63467	0.57%	0.105%
9	9.710	551	555	561	rVV	3217262	6604558	59.28%	10.876%
10	9.847	561	567	577	rVB	14733	42091	0.38%	0.069%
11	12.541	799	803	807	rBV	25653	40416	0.36%	0.067%
12	13.192	855	860	865	rBV	4989502	9268032	83.18%	15.263%
13	18.341	1305	1311	1315	rBV	5132890	9902384	88.87%	16.307%
14	22.280	1651	1656	1661	rBV2	36506	71119	0.64%	0.117%
15	22.634	1681	1687	1693	rBV2	4824977	10658514	95.66%	17.552%
16	22.771	1695	1699	1711	rVB	56665	157875	1.42%	0.260%
17	27.726	2129	2133	2139	rVB	890529	1570117	14.09%	2.586%
18	30.489	2369	2375	2381	rBV2	4644157	11142112	100.00%	18.349%
19	31.105	2421	2429	2439	rBV5	14493	59744	0.54%	0.098%
20	34.416	2713	2719	2743	rVV	3657949	9118884	81.84%	15.017%

Sum of corrected areas: 60723710

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02JAN08\307.D
Operator :
Acquired : 8 Jan 2002 9:37 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508scan
Misc Info : January 8, 2002
Vial Number: 6
Quant File :SCAN508.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN08\307.D Vial: 6
Acq On : 8 Jan 2002 9:37 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

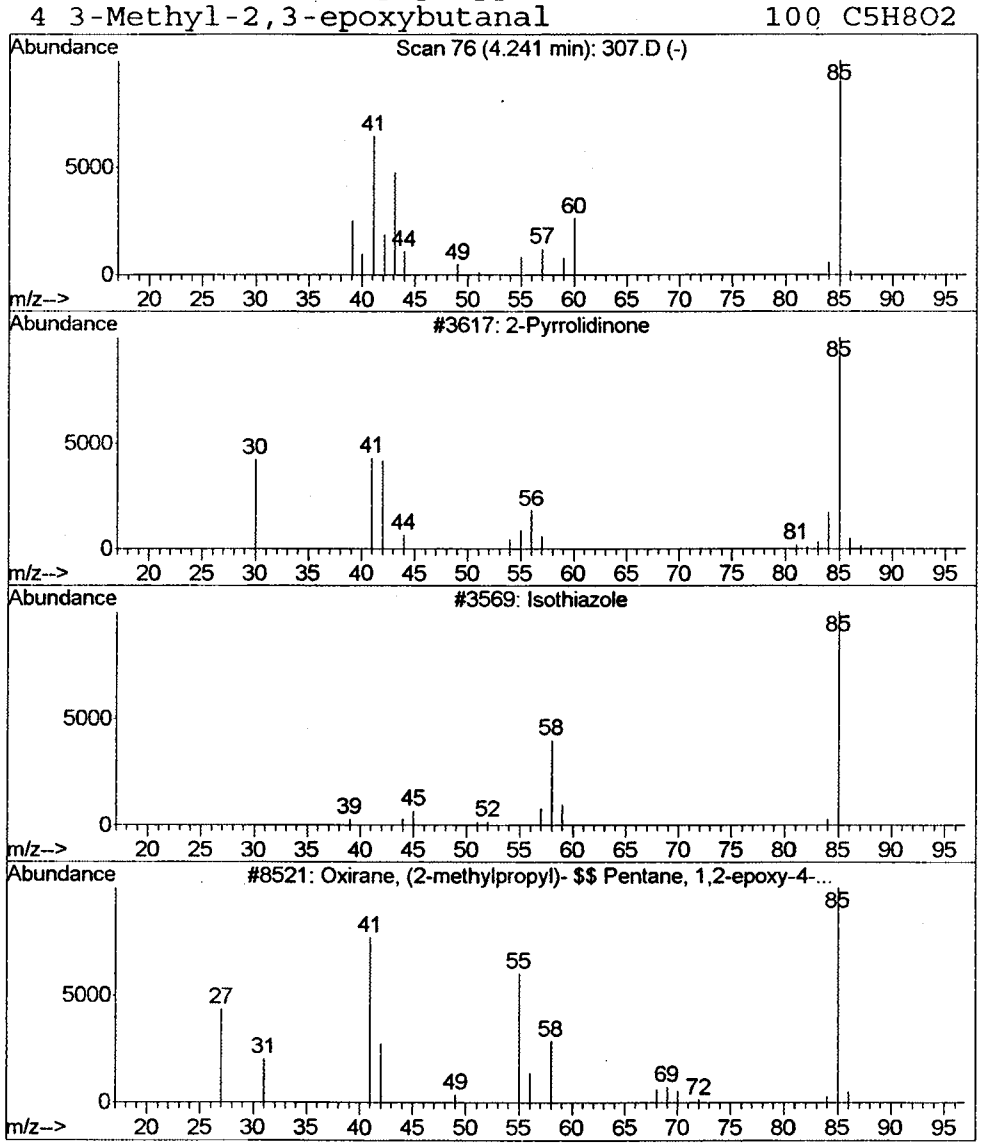
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

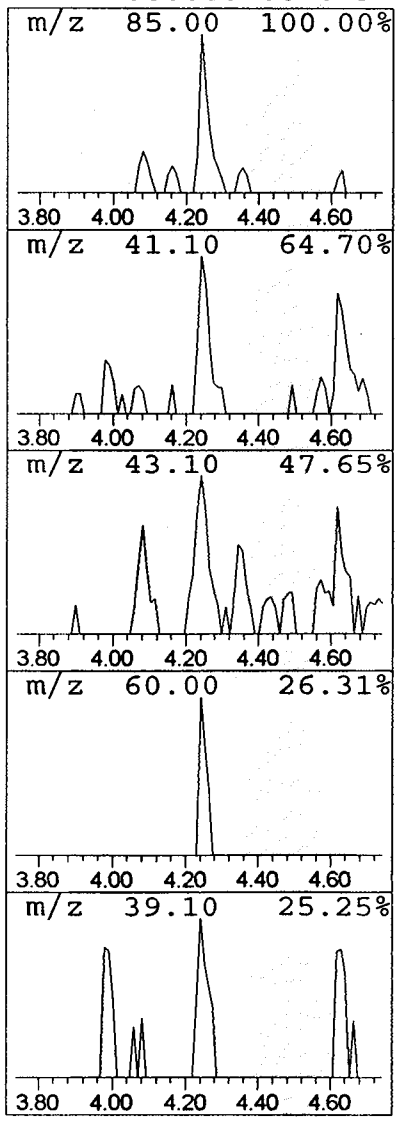
****

Peak Number 1 2-Pyrrolidinone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.24	0.16 ug/L	52429	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9
2	Isothiazole	85	C3H3NS	000288-16-4	9
3	Oxirane, (2-methylpropyl)- $$ Pe...	100	C6H12O	023850-78-4	9
4	3-Methyl-2,3-epoxybutanal	100	C5H8O2	000000-00-0	9





Library Search Compound Report

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Acq On : 8 Jan 2002 9:37 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

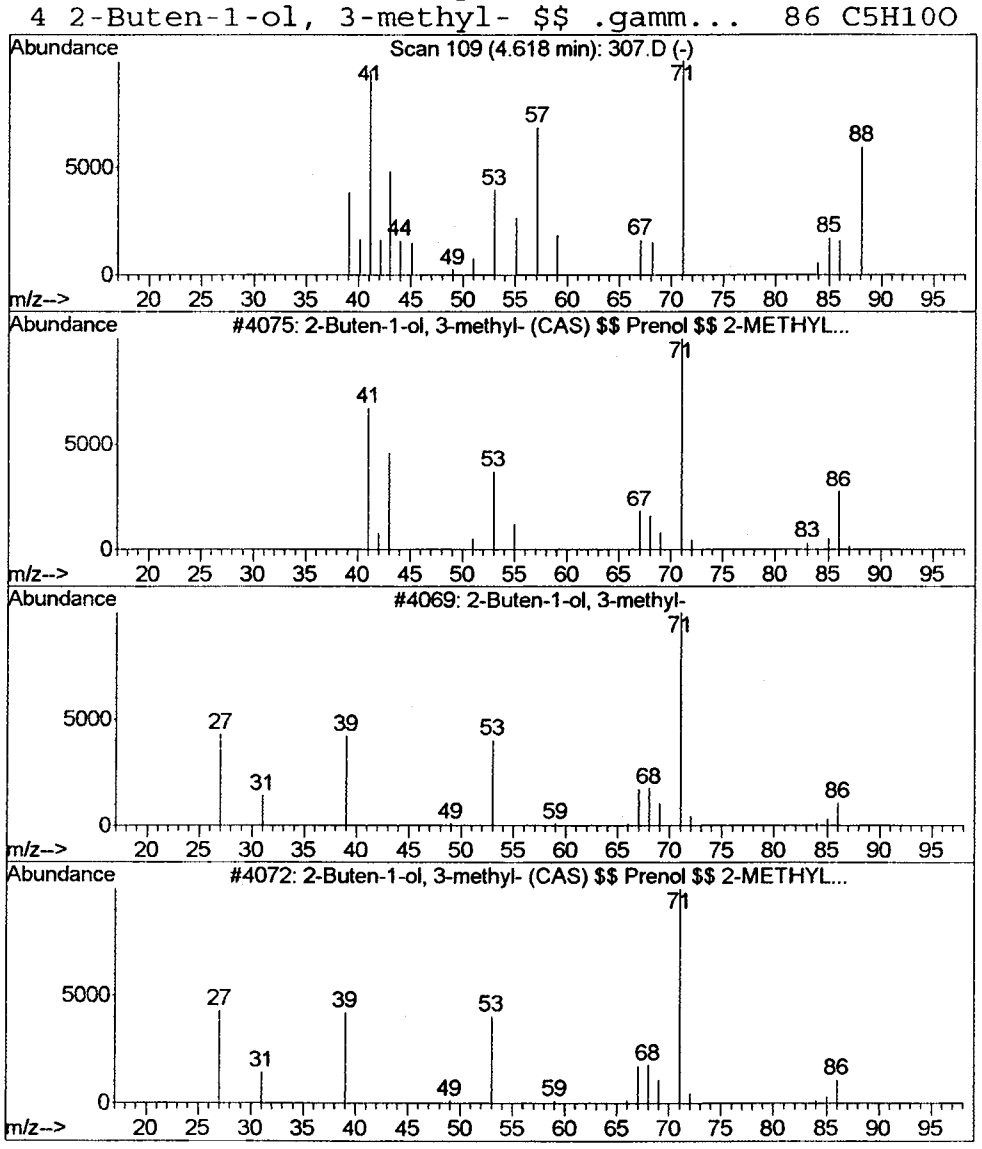
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

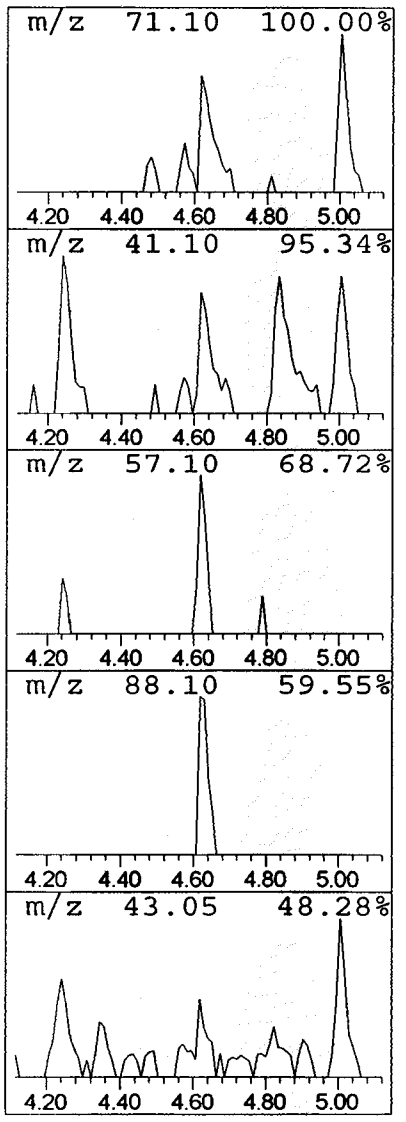
****

Peak Number 2 2-Buten-1-ol, 3-methyl- (CA... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.62	0.17 ug/L	55291	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Buten-1-ol, 3-methyl- (CAS) $$...	86	C5H10O	000556-82-1	62
2	2-Buten-1-ol, 3-methyl-	86	C5H10O	000556-82-1	56
3	2-Buten-1-ol, 3-methyl- (CAS) $$...	86	C5H10O	000556-82-1	56
4	2-Buten-1-ol, 3-methyl- $$ .gamm...	86	C5H10O	000556-82-1	53





Library Search Compound Report

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Acq On : 8 Jan 2002 9:37 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

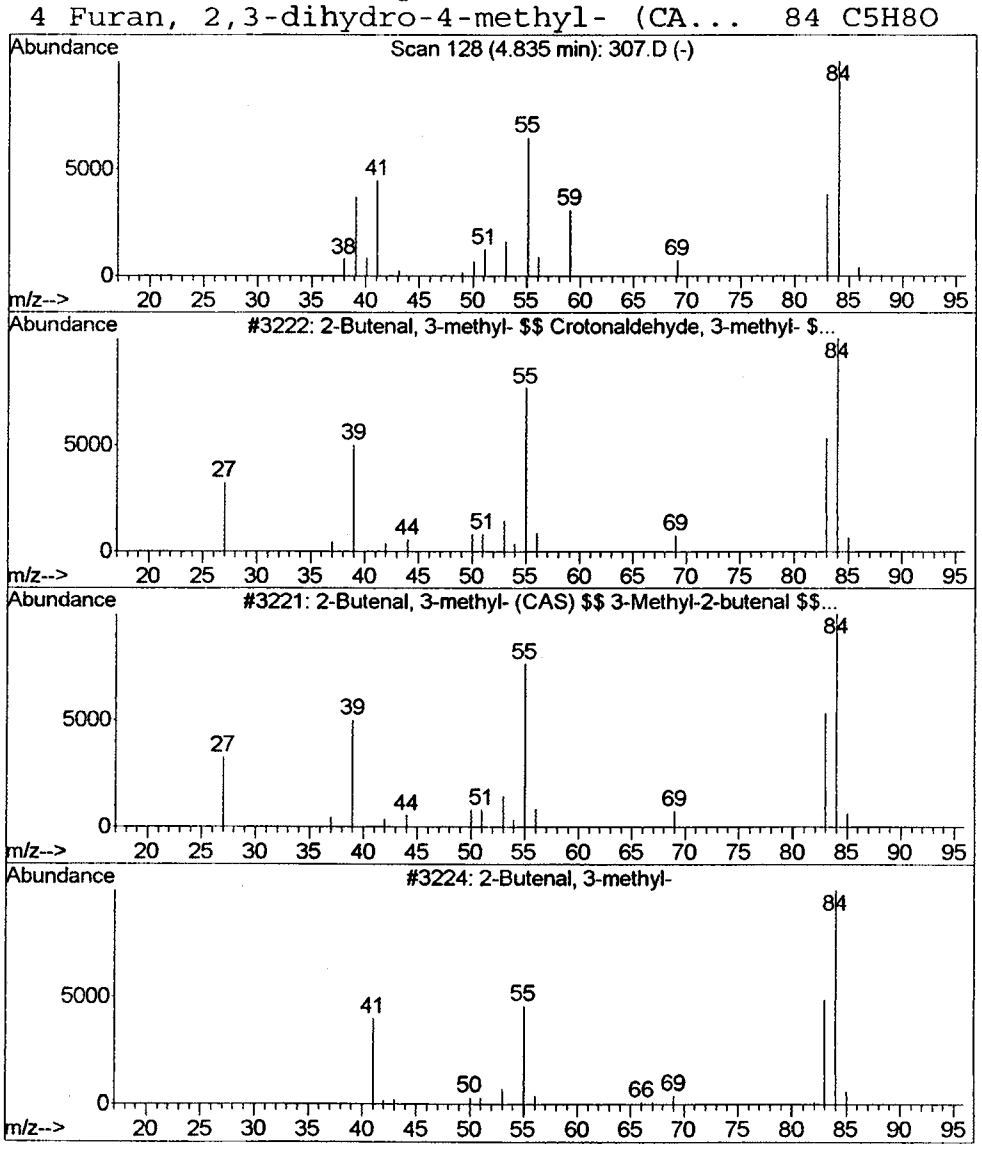
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

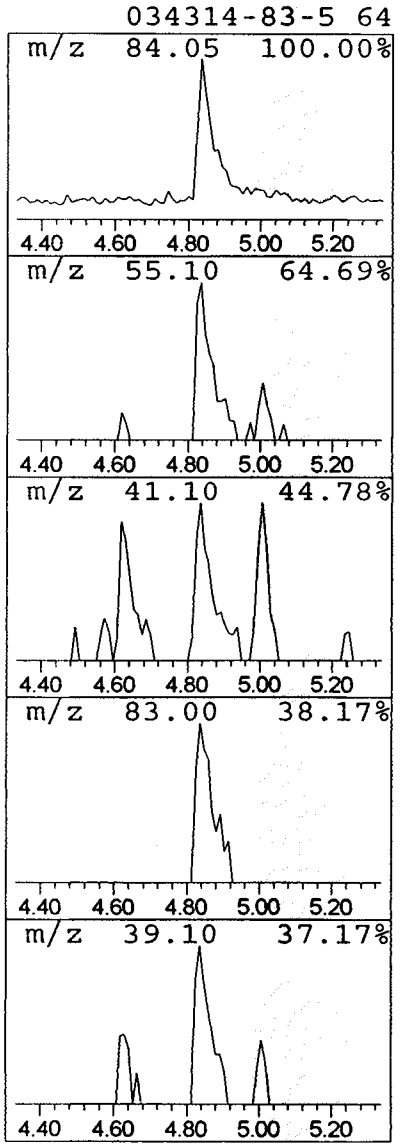
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.83	0.33 ug/L	109767	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal, 3-methyl- $$ Crotonal...	84	C5H8O	000107-86-8	80
2	2-Butenal, 3-methyl- (CAS) $$ 3-...	84	C5H8O	000107-86-8	80
3	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	72
4	Furan, 2,3-dihydro-4-methyl- (CA...	84	C5H8O	034314-83-5	64





Library Search Compound Report

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Acq On : 8 Jan 2002 9:37 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

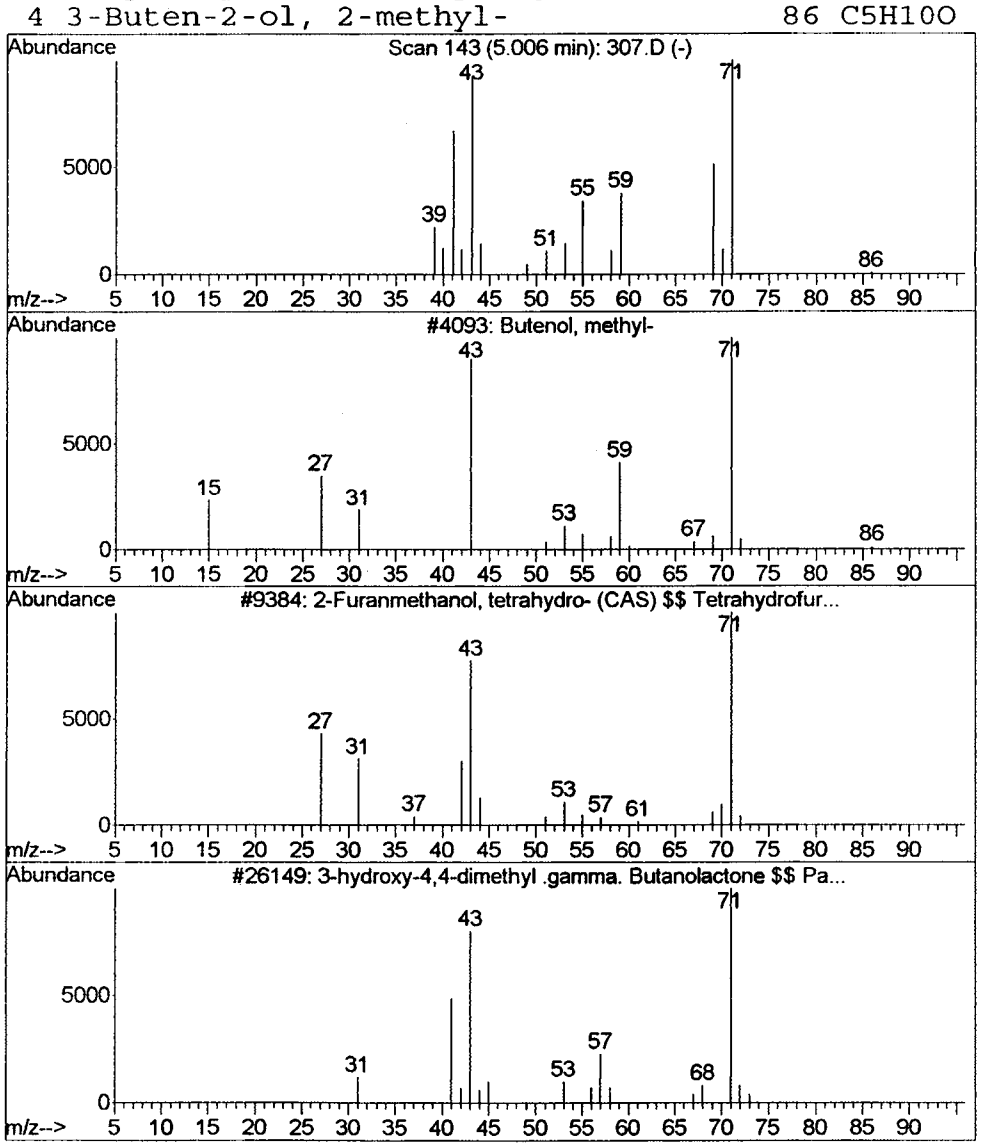
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

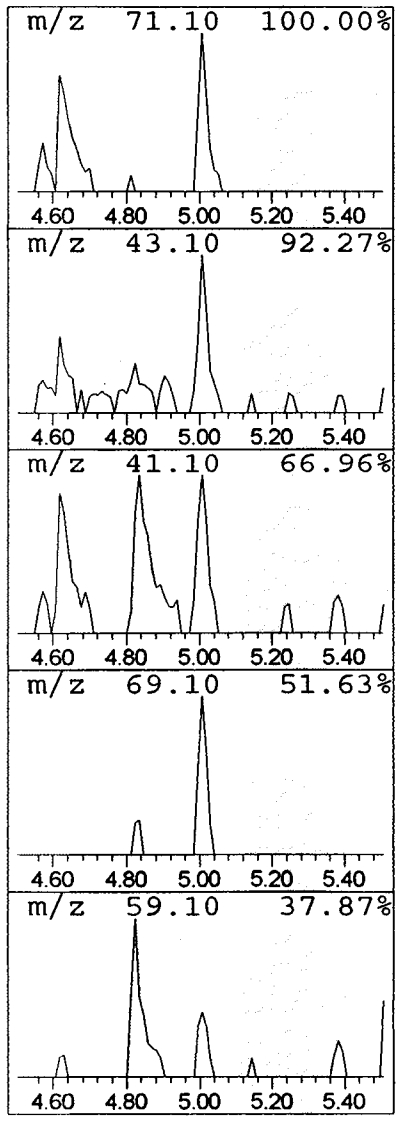
****

Peak Number 4 Butenol, methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	0.16 ug/L	52238	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butenol, methyl-	86	C5H10O	060766-00-9	64
2	2-Furanmethanol, tetrahydro- (CA...	102	C5H10O2	000097-99-4	59
3	3-hydroxy-4,4-dimethyl .gamma. B...	130	C6H10O3	052126-90-6	42
4	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	39





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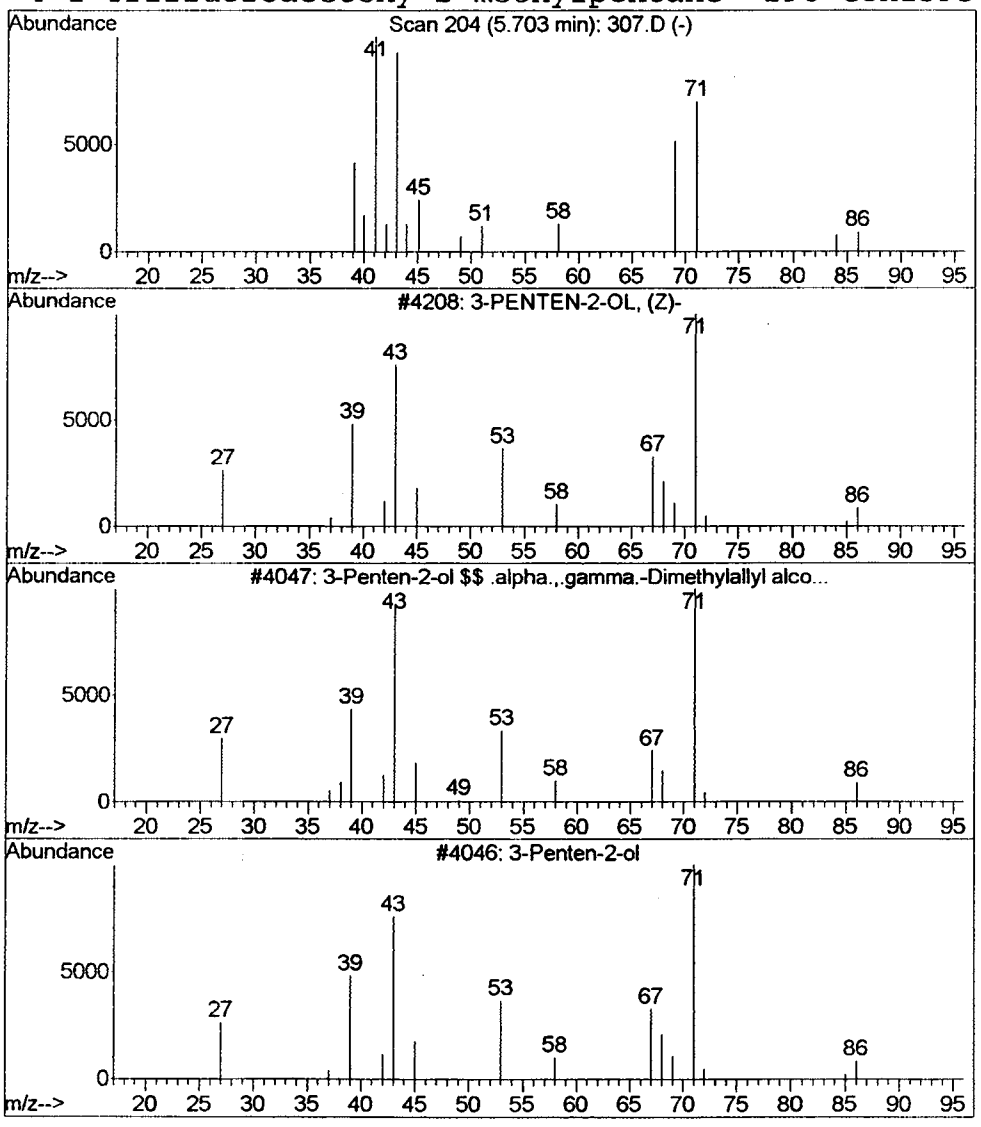
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

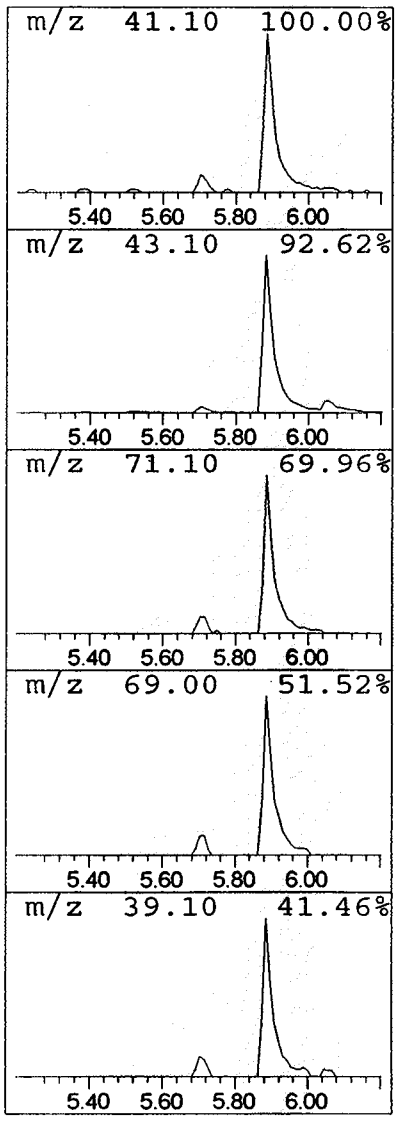
****

Peak Number 5 3-PENTEN-2-OL, (Z)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.70	0.11 ug/L	36510	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-PENTEN-2-OL, (Z)-	86	C5H10O	024652-50-4	59
2	3-Penten-2-ol $$ .alpha.,.gamma....	86	C5H10O	001569-50-2	59
3	3-Penten-2-ol	86	C5H10O	001569-50-2	59
4	1-Trifluoroacetoxy-2-methylpentane	198	C8H13F3O2	000000-00-0	38





Library Search Compound Report

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Acq On : 8 Jan 2002 9:37 pm Operator:
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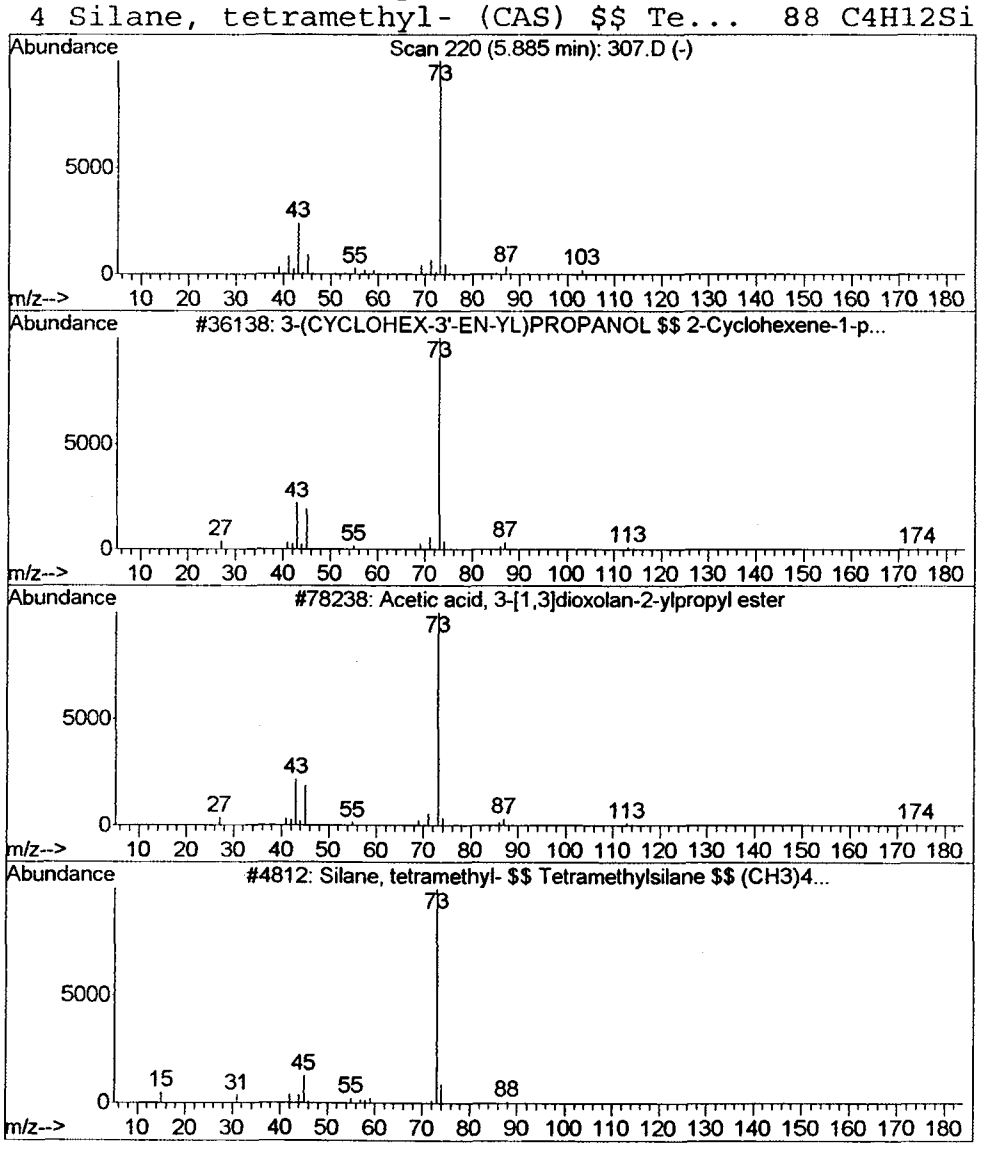
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

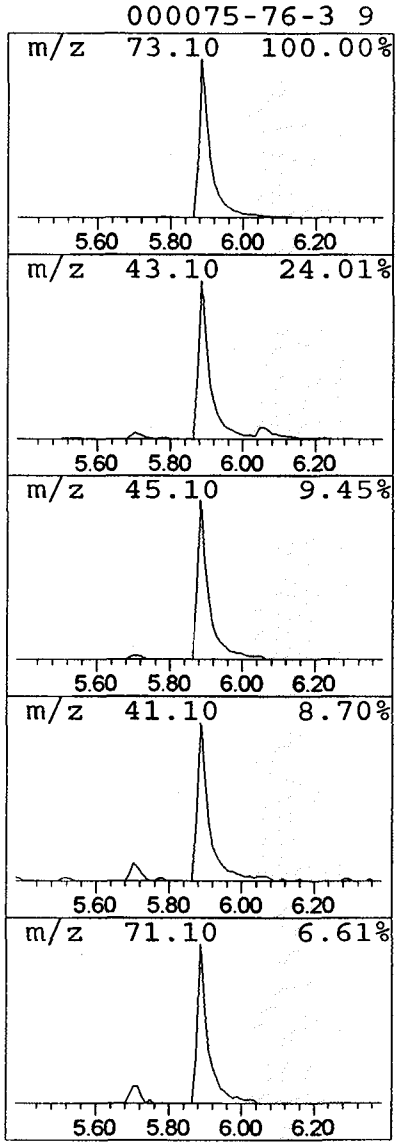
****

Peak Number 6 3-(CYCLOHEX-3'-EN-YL)PROPAN... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	5.05 ug/L	1668140	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	33
2	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	33
3	Silane, tetramethyl- $$ Tetramet...	88	C4H12Si	000075-76-3	25
4	Silane, tetramethyl- (CAS) $$ Te...	88	C4H12Si	000075-76-3	9





Library Search Compound Report

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Acq On : 8 Jan 2002 9:37 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 8, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

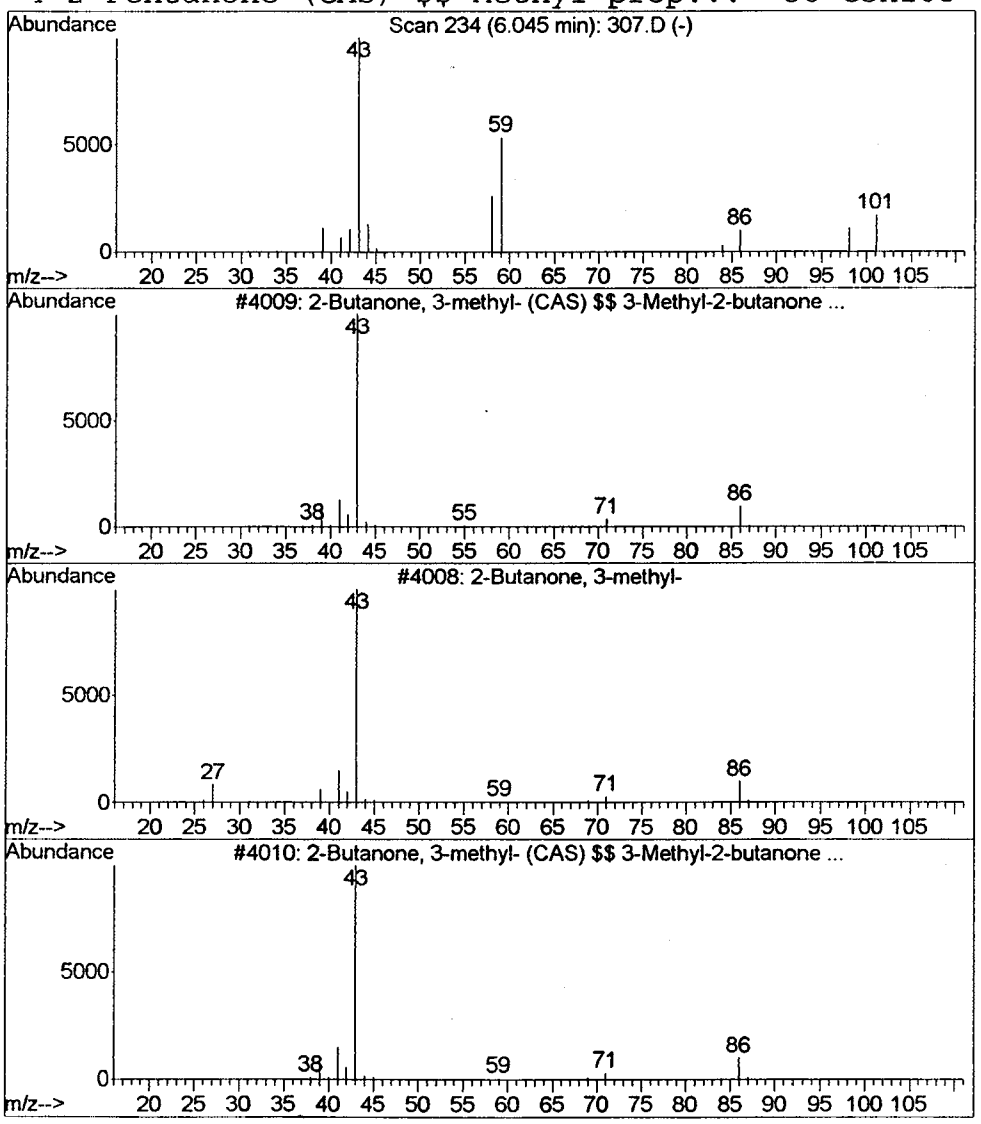
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

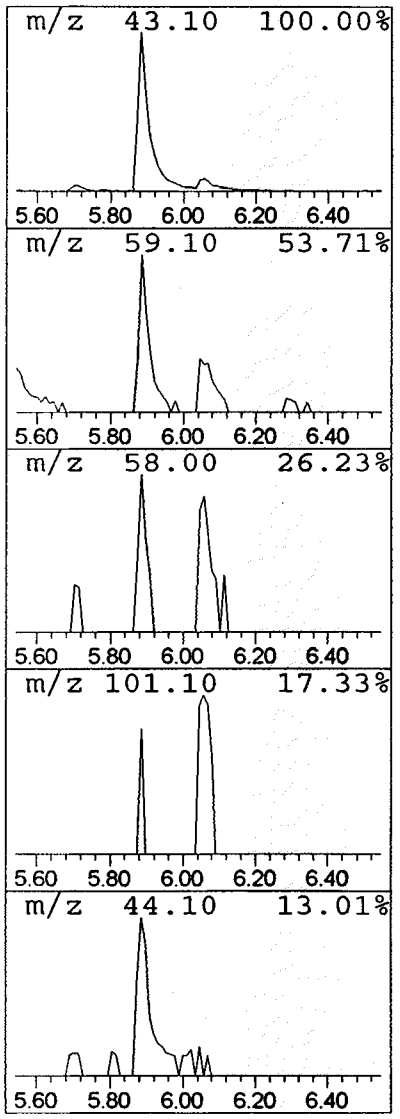
****

Peak Number 7 2-Butanone, 3-methyl- (CAS)... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.05	0.19 ug/L	63467	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanone, 3-methyl- (CAS) $$ 3...	86	C5H10O	000563-80-4	9
2	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	9
3	2-Butanone, 3-methyl- (CAS) $$ 3...	86	C5H10O	000563-80-4	9
4	2-Pentanone (CAS) $$ Methyl prop...	86	C5H10O	000107-87-9	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN08\307.D Vial: 6
Acq On : 8 Jan 2002 9:37 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

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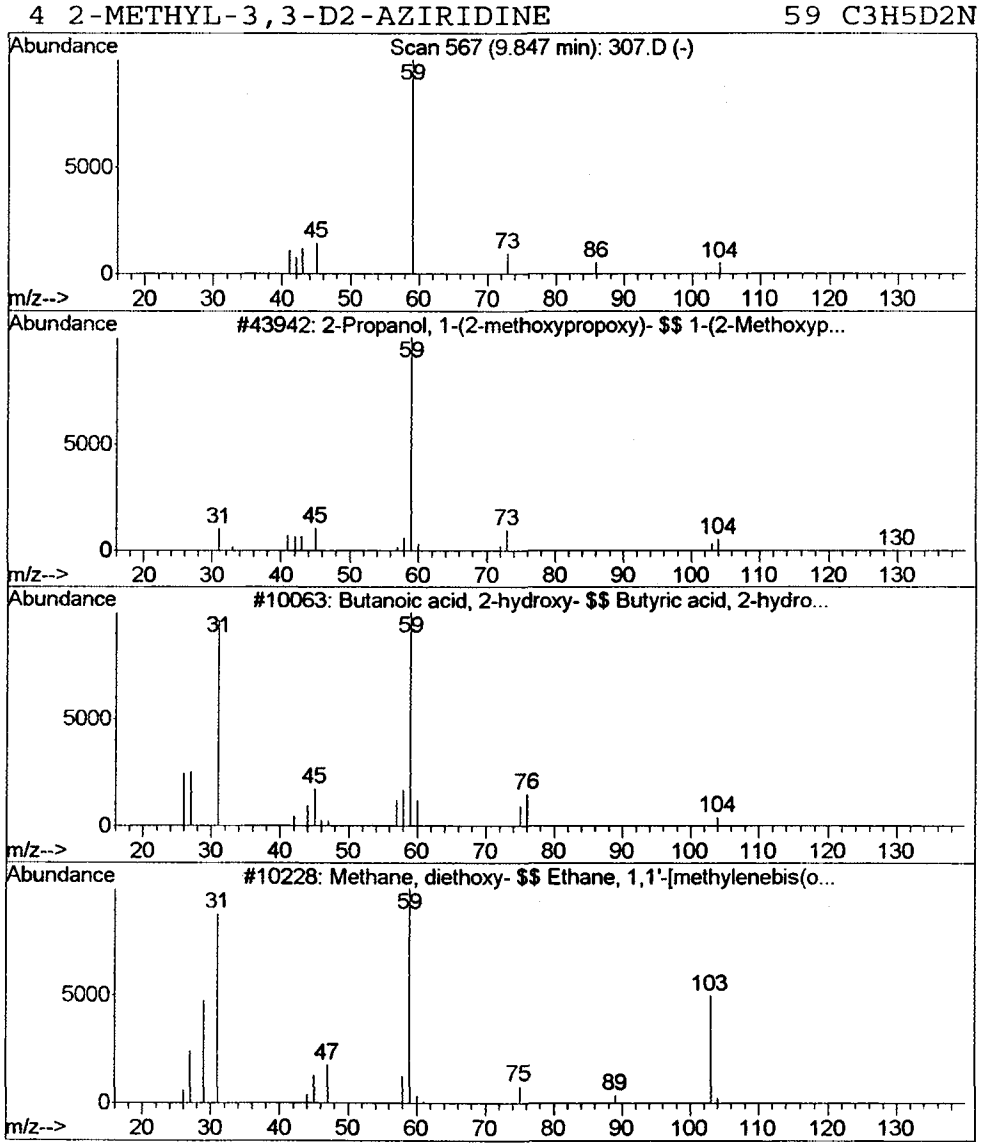
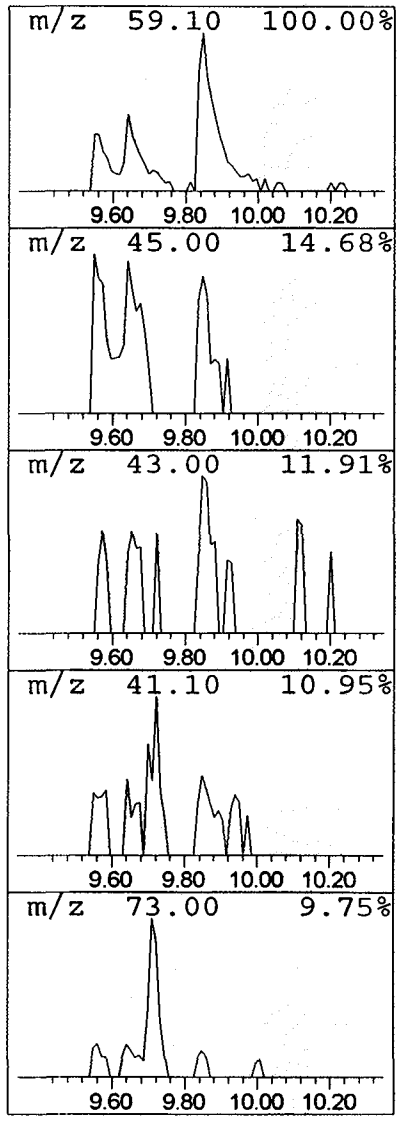
Peak Number 8 2-Propanol, 1-(2-methoxypro... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	0.13 ug/L	42091	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	74
2	Butanoic acid, 2-hydroxy- $$ But...	104	C4H8O3	000565-70-8	9
3	Methane, diethoxy- $$ Ethane, 1,...	104	C5H12O2	000462-95-3	7
4	2-METHYL-3,3-D2-AZIRIDINE	59	C3H5D2N	030691-55-5	4





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN08\307.D Vial: 6
Acq On : 8 Jan 2002 9:37 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

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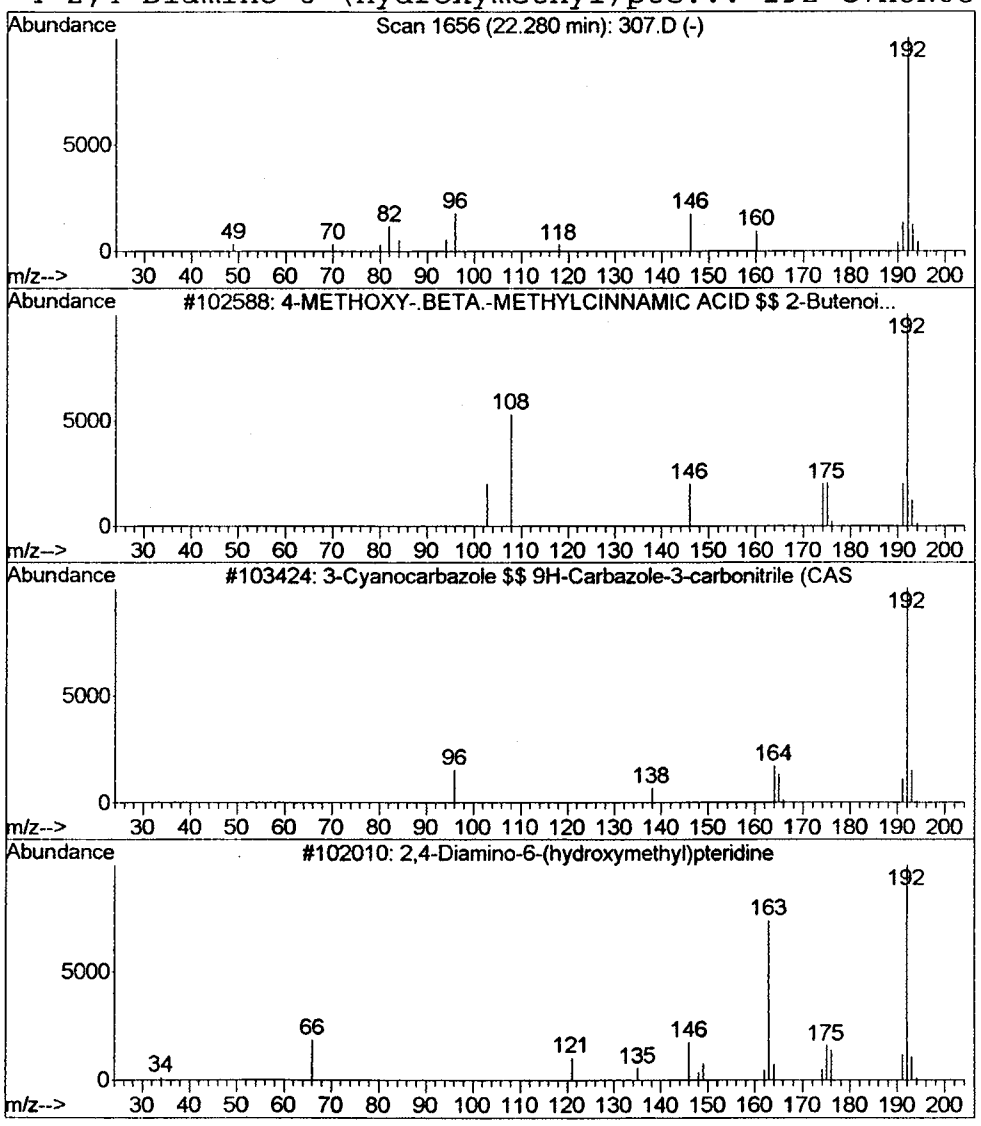
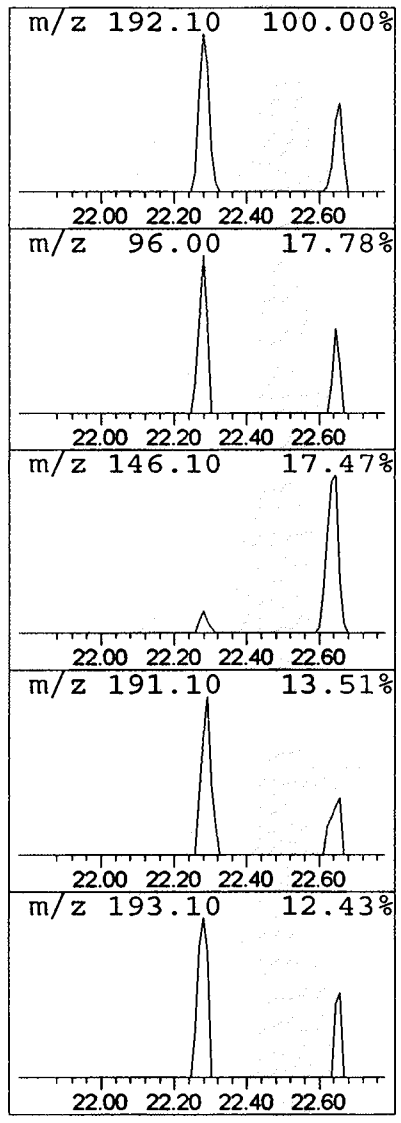
Peak Number 9 4-METHOXY-.BETA.-METHYLCINN... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.13 ug/L	71119	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	3-Cyanocarbazole $$ 9H-Carbazole...	192	C13H8N2	057102-93-9	59
3	2,4-Diamino-6-(hydroxymethyl)pte...	192	C7H8N6O	000945-24-4	59
4	2,4-Diamino-6-(hydroxymethyl)pte...	192	C7H8N6O	000945-24-4	53





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN08\307.D Vial: 6
Acq On : 8 Jan 2002 9:37 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

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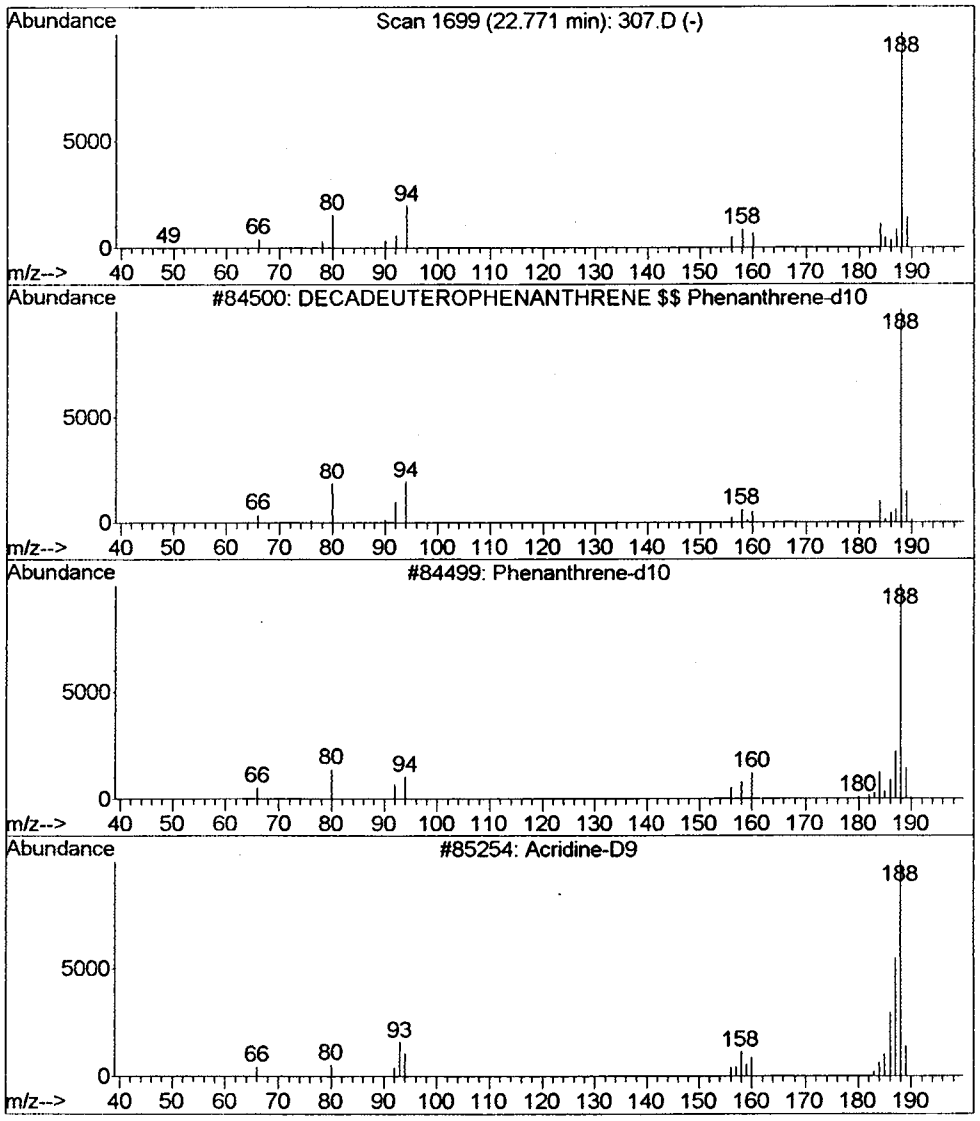
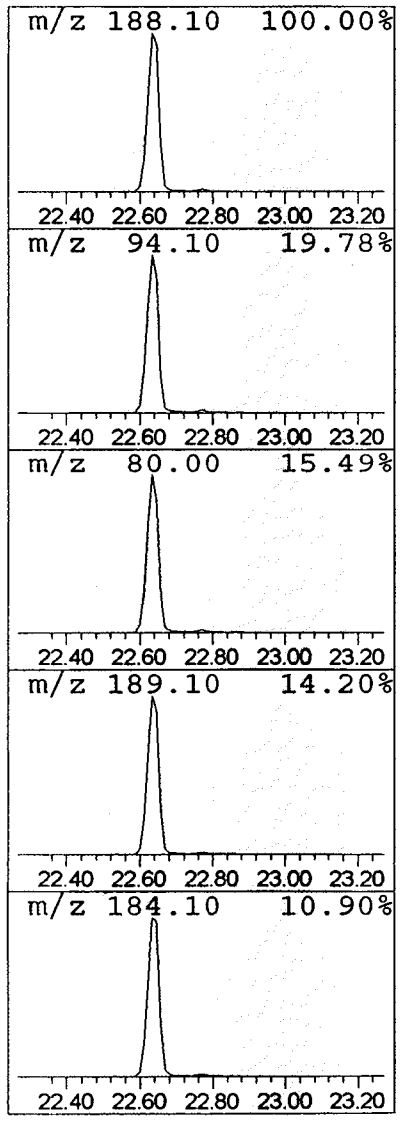
Peak Number 10 DECADEUTEROPHENANTHRENE $$ ... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.30 ug/L	157875	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	91
2	Phenanthrene-d10	188	C14D10	001517-22-2	72
3	Acridine-D9	188	C13D9N	000000-00-0	64
4	Anthracene-d10-	188	C14D10	001719-06-8	64





Tentatively Identified Compound (TIC) summary

Operator ID: Date Acquired: 8 Jan 2002 9:37 pm
Data File: C:\MSDCHEM\1\5973N\02JAN08\307.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
2-Pyrrolidinone	4.24	0.2	ug/L	52429	1	9.72	6604560	20.0
2-Buten-1-ol, 3-m...	4.62	0.2	ug/L	55291	1	9.72	6604560	20.0
2-Butenal, 3-meth...	4.83	0.3	ug/L	109767	1	9.72	6604560	20.0
Butenol, methyl-	5.01	0.2	ug/L	52238	1	9.72	6604560	20.0
3-PENTEN-2-OL, (Z)-	5.70	0.1	ug/L	36510	1	9.72	6604560	20.0
3-(CYCLOHEX-3'-EN...	5.89	5.1	ug/L	1668140	1	9.72	6604560	20.0
2-Butanone, 3-met...	6.05	0.2	ug/L	63467	1	9.72	6604560	20.0
2-Propanol, 1-(2-...	9.85	0.1	ug/L	42091	1	9.72	6604560	20.0
4-METHOXY-.BETA.-...	22.28	0.1	ug/L	71119	4	22.63	10658500	20.0
DECADEUTEROPHENAN...	22.77	0.3	ug/L	157875	4	22.63	10658500	20.0

Comments for Sample AE00307 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-10-2002 Time: 17:30:38

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.