User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/29/2002 Time: 11:31:26

Sample: AE00737
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/29/02 11:30 Ended: 1/29/02 11:30 Analyst: DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		112		5.0

Comments for Sample AE00737 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-29-2002 Time: 11:31:32

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
The recoveries for 15 of the 43 compounds in the LCS Standard were outside of their acceptance ranges.

Data File : C:\MSDCHEM\1\5973N\02JAN16\00737.D Vial: 5
Acq On : 16 Jan 2002 6:26 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 17 08:12:23 2002 Quant Results File: SCAN508.RES

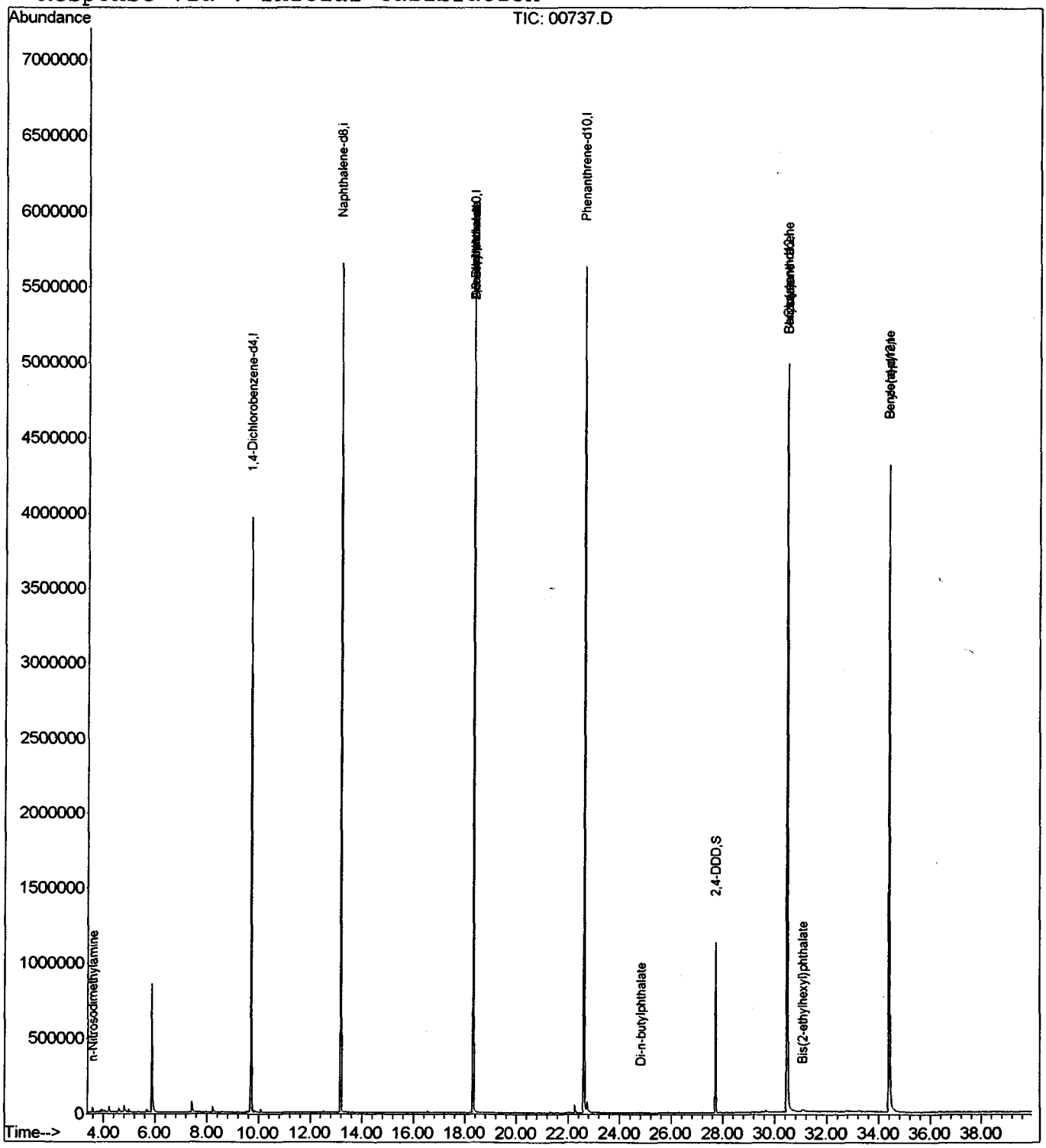
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Fri Jan 11 13:20:07 2002
Response via : Initial Calibration
DataAcq Meth : SCAN508

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.71	152	1329610	20.00	ug/L	-0.01
10) Naphthalene-d8	13.19	136	5633648	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	2946444	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.65	188	4872539	20.00	ug/L	-0.02
38) Chrysene-d12	30.49	240	4315958	20.00	ug/L	-0.02
44) Perylene-d12	34.42	264	3243228	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	430685	5.59	ug/L	0.00
Spiked Amount 5.000			Recovery =	111.80%		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.60	74	11121	0.20	ug/L #	14
20) Dimethylphthalate	18.34	163	479429	2.46	ug/L #	56
21) 2,6-Dinitrotoluene	18.34	165	376819	9.93	ug/L #	17
35) Di-n-butylphthalate	24.85	149	10109	0.03	ug/L	100
41) Benzo(a)anthracene	30.50	228	9174	0.04	ug/L #	58
42) Bis(2-ethylhexyl)phthalate	31.11	149	16167	0.62	ug/L	74
43) Chrysene	30.50	228	9174	0.04	ug/L #	57
48) Benzo(a)pyrene	34.42	252	10920	0.05	ug/L #	1

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

Data File : C:\MSDCHEM\1\5973N\02JAN16\00737.D Vial: 5
Acq On : 16 Jan 2002 6:26 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 17 8:12 2002 Quant Results File: SCAN508.RE

Method : C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Fri Jan 11 13:20:07 2002
Response via : Initial Calibration



Data File : C:\MSDCHEM\1\5973N\02JAN16\00737.D Vial: 5
Acq On : 16 Jan 2002 6:26 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 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

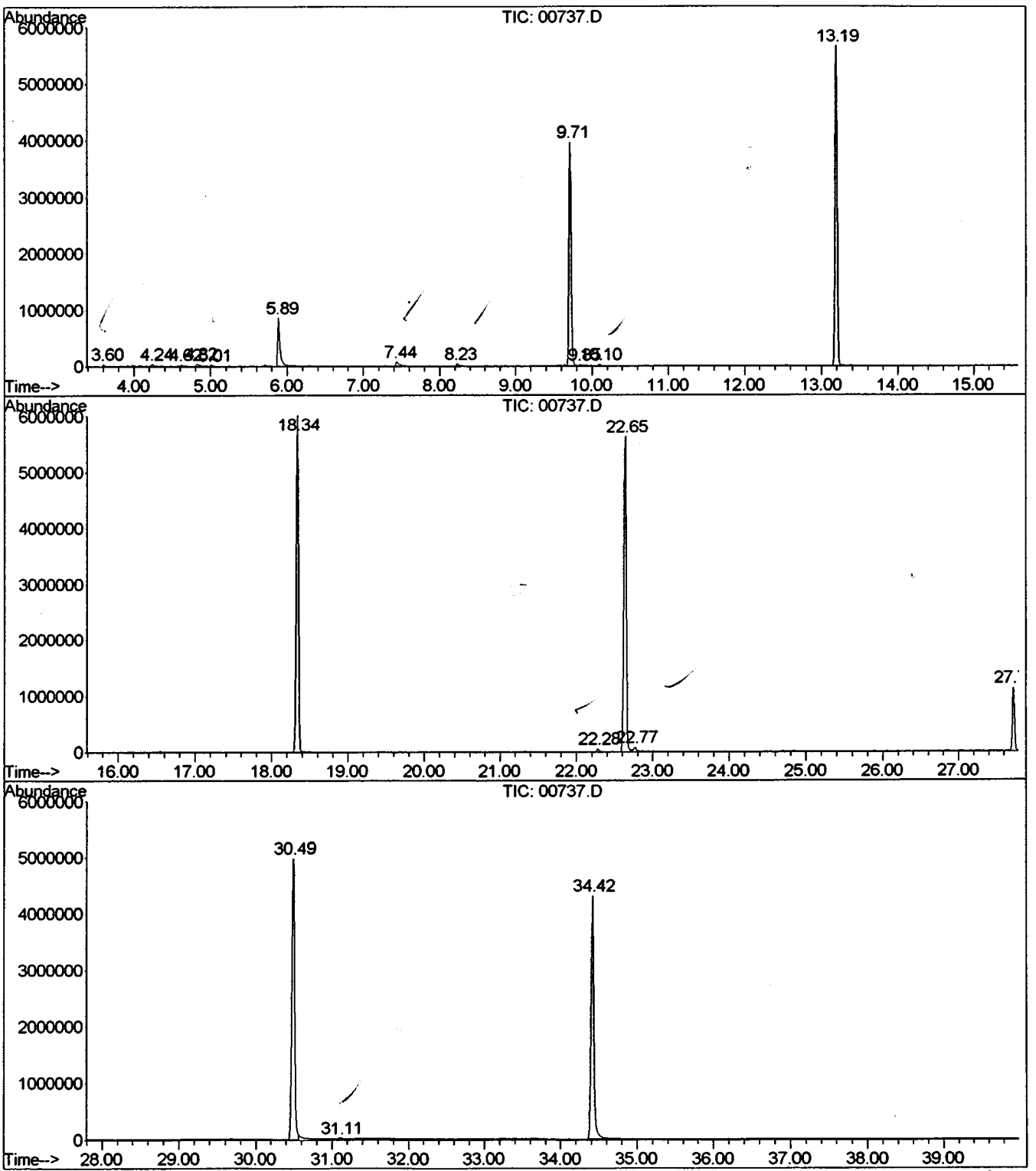
Signal : TIC

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	23	rBV	32618	42778	0.33%	0.060%
2	4.241	71	76	83	rVV3	36777	81900	0.64%	0.114%
3	4.618	107	109	123	rVB2	25746	56098	0.44%	0.078%
4	4.823	123	127	141	rVB2	44928	119766	0.93%	0.167%
5	5.006	141	143	149	rBV2	23064	42025	0.33%	0.058%
6	5.885	217	220	245	rBV	854886	1776612	13.86%	2.473%
7	7.438	353	356	367	rBV	70834	190418	1.49%	0.265%
8	8.226	423	425	437	rVV	39484	99196	0.77%	0.138%
9	9.710	551	555	561	rVV	3963096	7560541	58.98%	10.524%
10	9.847	561	567	577	rVV	16747	61964	0.48%	0.086%
11	10.098	585	589	595	rVV3	26525	50239	0.39%	0.070%
12	13.192	855	860	865	rBV	5647162	10836162	84.53%	15.084%
13	18.341	1305	1311	1315	rBV	6002574	11956179	93.26%	16.643%
14	22.280	1651	1656	1661	rVV	54101	95207	0.74%	0.133%
15	22.645	1681	1688	1693	rBV	5622881	12819871	100.00%	17.845%
16	22.771	1695	1699	1713	rVV	74835	219095	1.71%	0.305%
17	27.726	2129	2133	2139	rVV	1133922	2087463	16.28%	2.906%
18	30.489	2369	2375	2381	rBV	4980842	12700127	99.07%	17.678%
19	31.105	2419	2429	2435	rBV8	12629	60434	0.47%	0.084%
20	34.416	2713	2719	2745	rBV	4302631	10984729	85.69%	15.290%

Sum of corrected areas: 71840804

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02JAN16\00737.D
Operator :
Acquired : 16 Jan 2002 6:26 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508scan
Misc Info : January 16, 2002
Vial Number: 5
Quant File :SCAN508.RES (RTE Integrator)



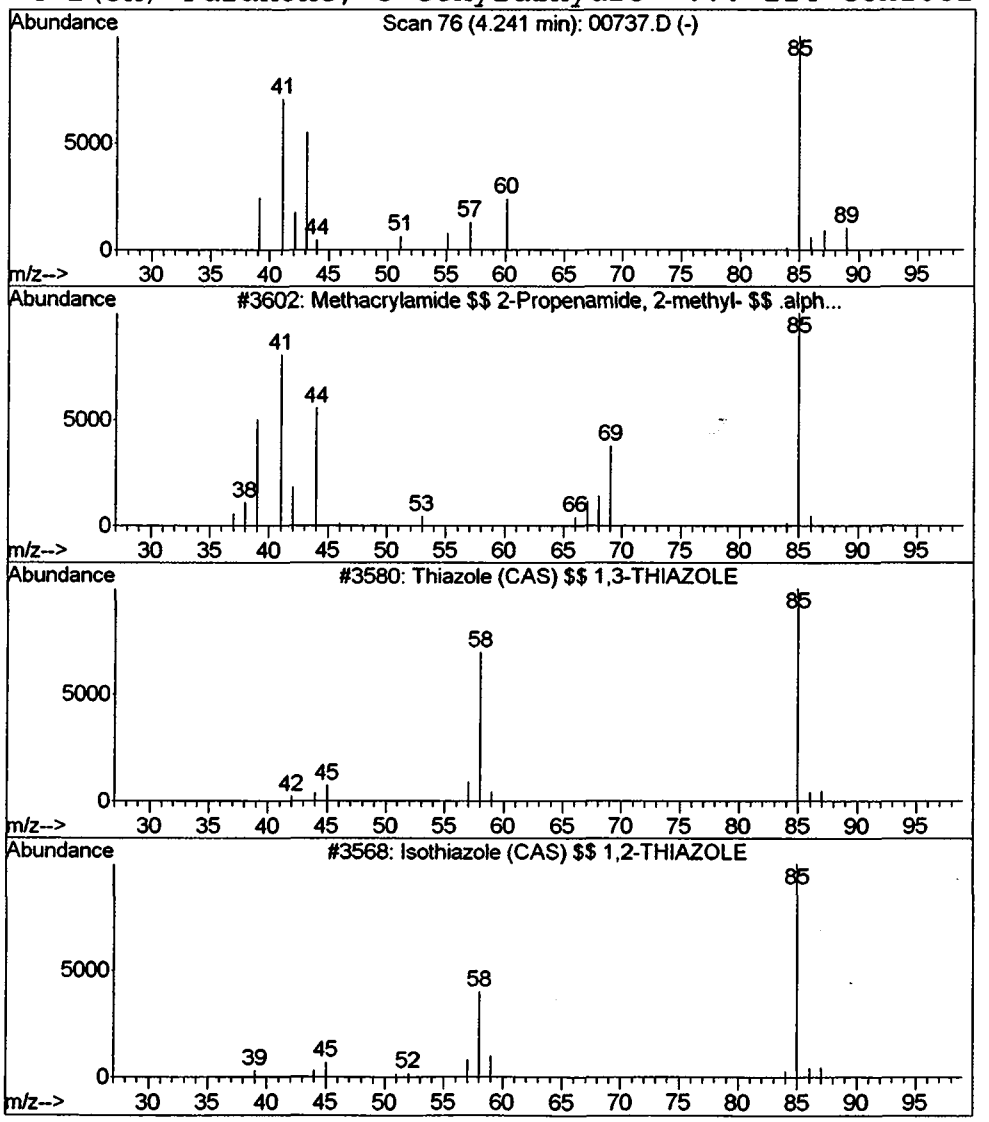
```
Data File : C:\MSDCHEM\1\5973N\02JAN16\00737.D          Vial: 5
Acq On    : 16 Jan 2002   6:26 pm                    Operator:
Sample    : 508scan                                  Inst    : Instrumen
Misc      : January 16, 2002                         Multiplr: 1.00
MS Integration Params: LSCINT.P

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

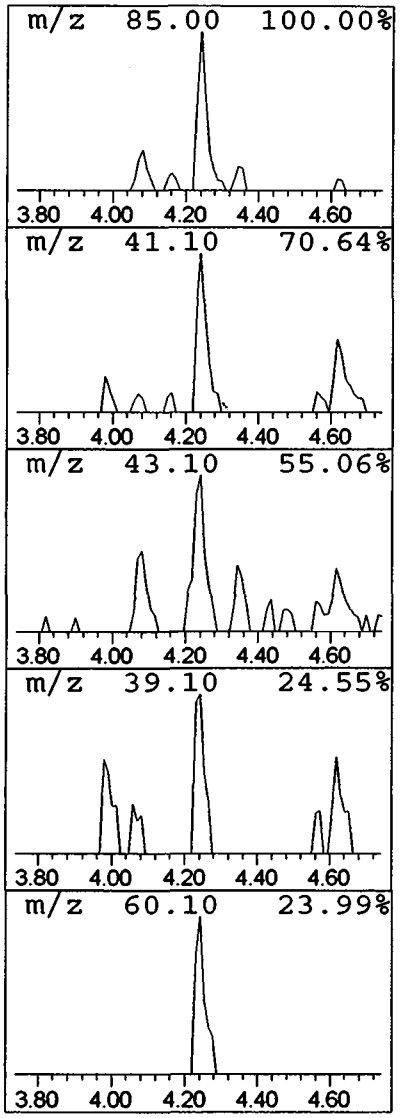
****

Peak Number 1 Methacrylamide $$ 2-Propena... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.24	0.22 ug/L	81900	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methacrylamide $$ 2-Propenamide,...	85	C4H7NO	000079-39-0	47
2	Thiazole (CAS) $$ 1,3-THIAZOLE	85	C3H3NS	000288-47-1	42
3	Isothiazole (CAS) $$ 1,2-THIAZOLE	85	C3H3NS	000288-16-4	40
4	2(3H)-Furanone, 5-ethyldihydro- ...	114	C6H10O2	000695-06-7	36





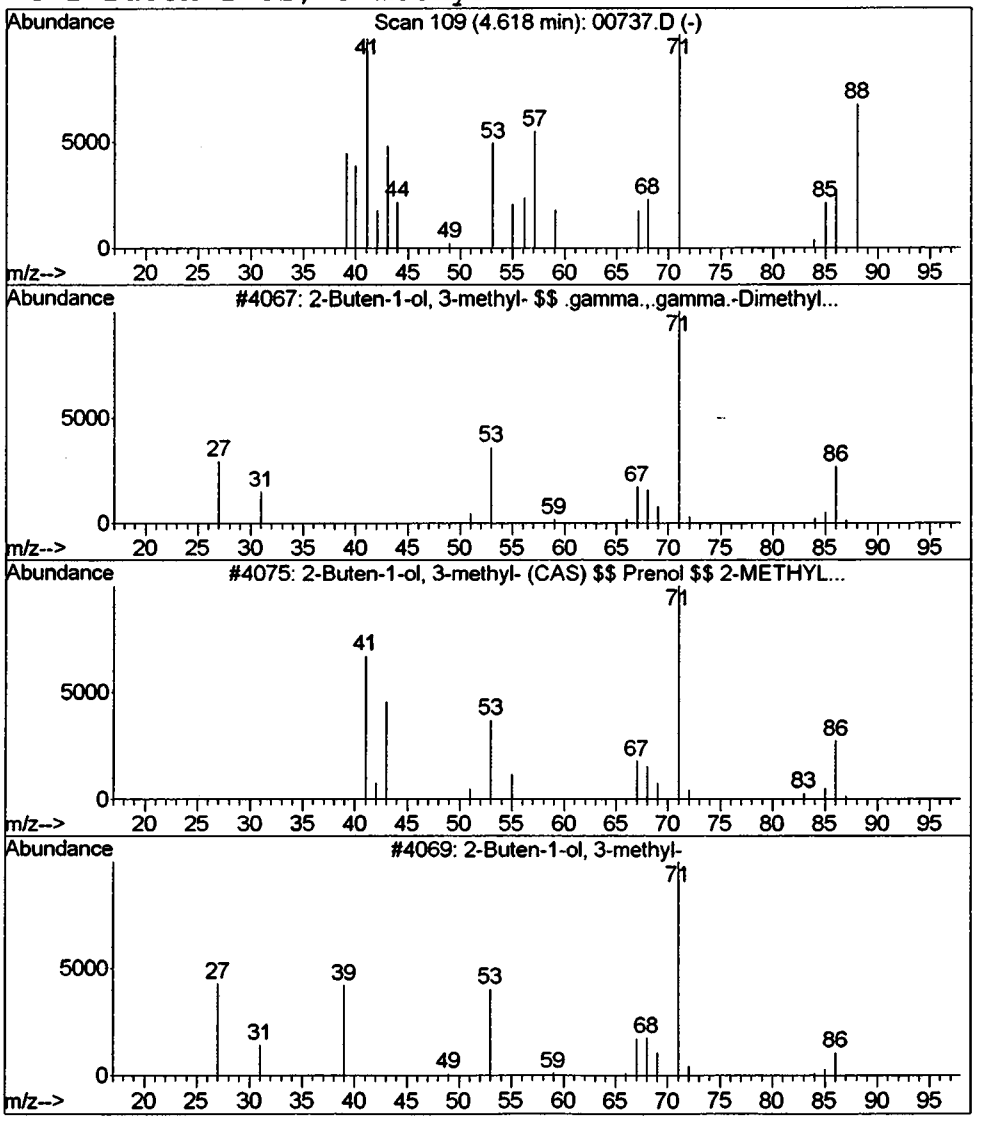
```
Data File : C:\MSDCHEM\1\5973N\02JAN16\00737.D          Vial: 5
Acq On    : 16 Jan 2002    6:26 pm                    Operator:
Sample    : 508scan                                   Inst    : Instrumen
Misc      : January 16, 2002                          Multiplr: 1.00
MS Integration Params: LSCINT.P

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

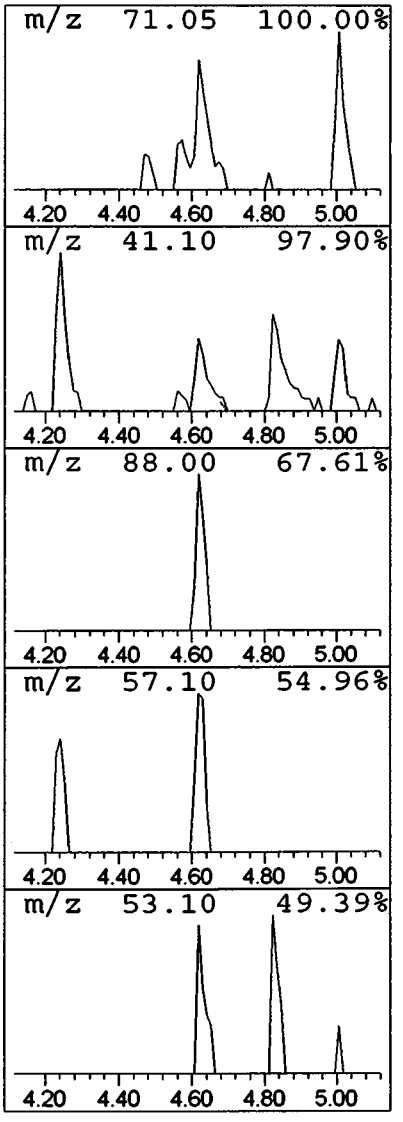
****

Peak Number 2 2-Buten-1-ol, 3-methyl- $$ ... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.62	0.15 ug/L	56098	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Buten-1-ol, 3-methyl- $$ .gamm...	86	C5H10O	000556-82-1	52
2	2-Buten-1-ol, 3-methyl- (CAS) $$...	86	C5H10O	000556-82-1	52
3	2-Buten-1-ol, 3-methyl-	86	C5H10O	000556-82-1	42
4	2-Buten-1-ol, 3-methyl-	86	C5H10O	000556-82-1	42





Data File : C:\MSDCHEM\1\5973N\02JAN16\00737.D Vial: 5
Acq On : 16 Jan 2002 6:26 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

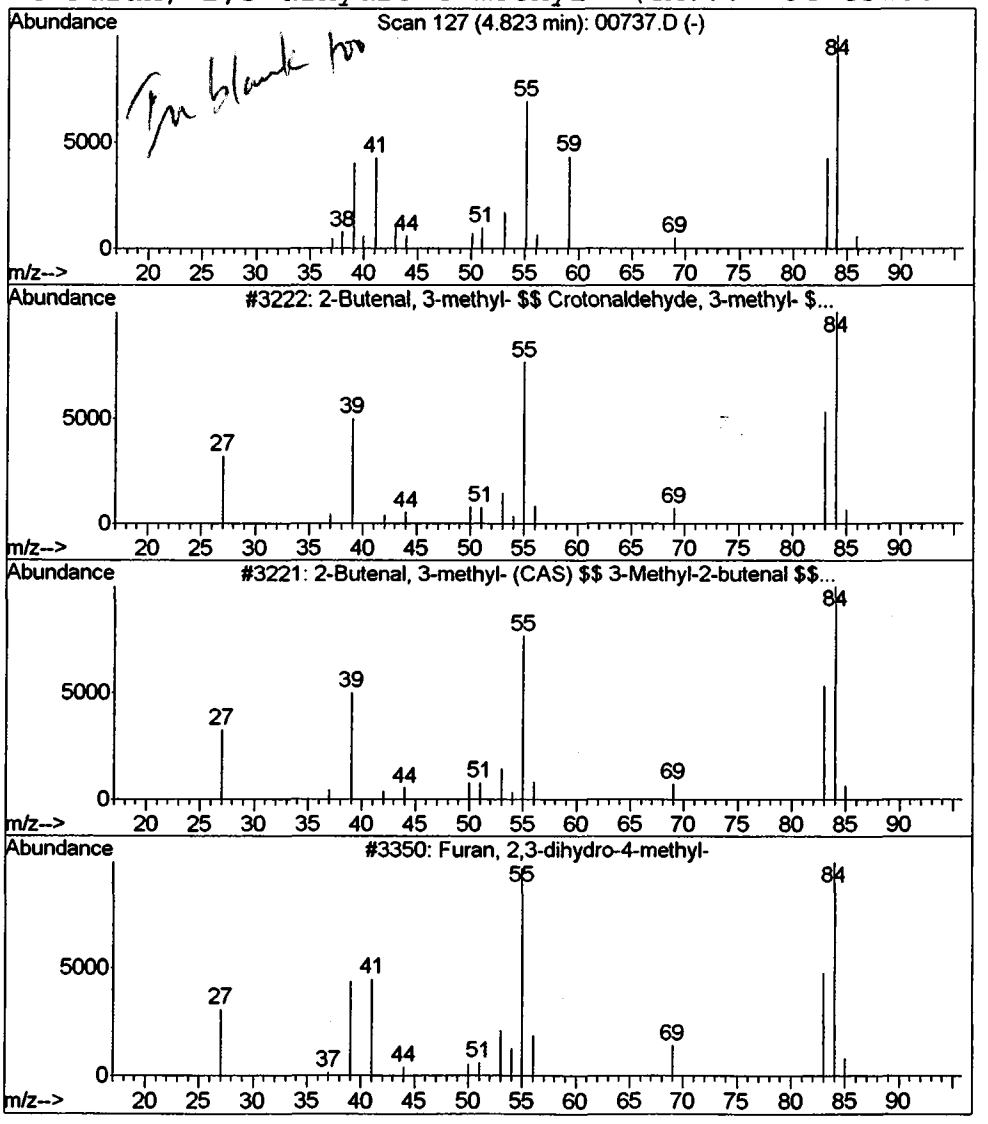
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

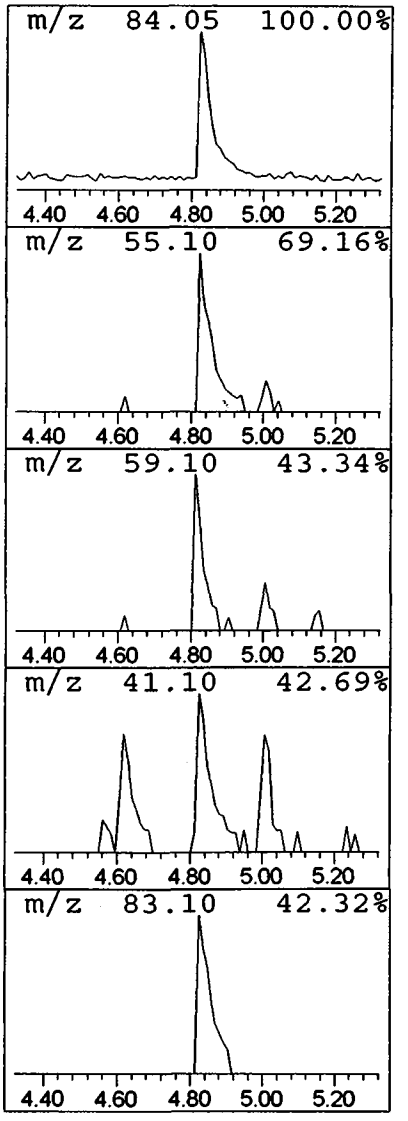
****

Peak Number 3 2-Butenal, 3-methyl- $$ Cro... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.82	0.32 ug/L	119766	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal, 3-methyl- $$ Crotonal...	84	C5H8O	000107-86-8	81
2	2-Butenal, 3-methyl- (CAS) $$ 3-...	84	C5H8O	000107-86-8	81
3	Furan, 2,3-dihydro-4-methyl-	84	C5H8O	034314-83-5	64
4	Furan, 2,3-dihydro-4-methyl- (CA...	84	C5H8O	034314-83-5	64





Data File : C:\MSDCHEM\1\5973N\02JAN16\00737.D Vial: 5
Acq On : 16 Jan 2002 6:26 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

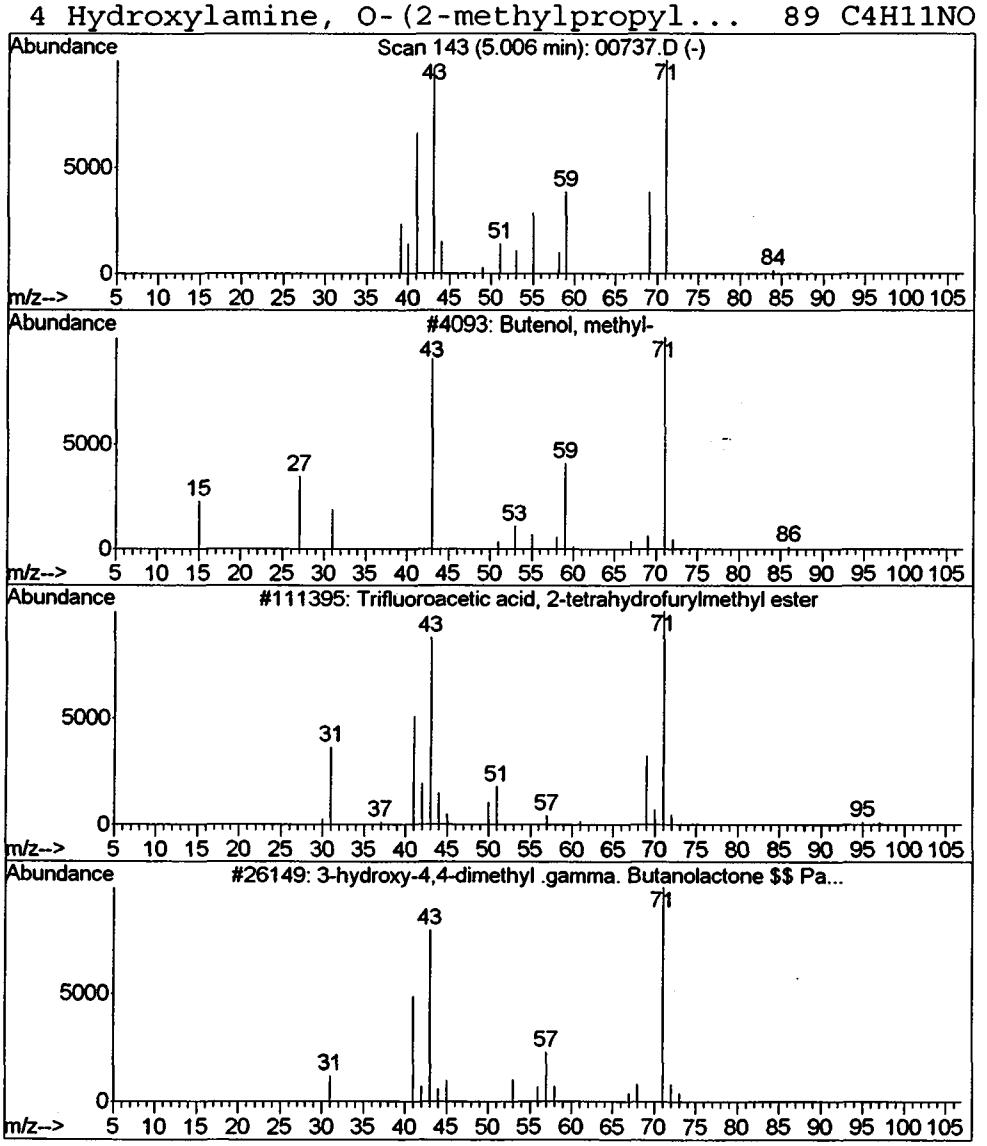
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

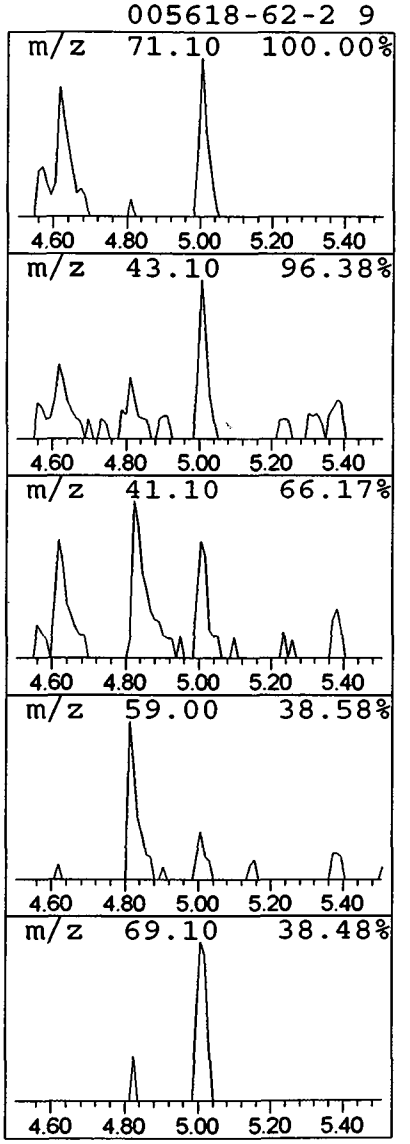
****

Peak Number 4 Butenol, methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	0.11 ug/L	42025	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butenol, methyl-	86	C5H10O	060766-00-9	56
2	Trifluoroacetic acid, 2-tetrahyd...	198	C7H9F3O3	000000-00-0	28
3	3-hydroxy-4,4-dimethyl .gamma. B...	130	C6H10O3	052126-90-6	9
4	Hydroxylamine, O-(2-methylpropyl...	89	C4H11NO	005618-62-2	9





Data File : C:\MSDCHEM\1\5973N\02JAN16\00737.D Vial: 5
Acq On : 16 Jan 2002 6:26 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

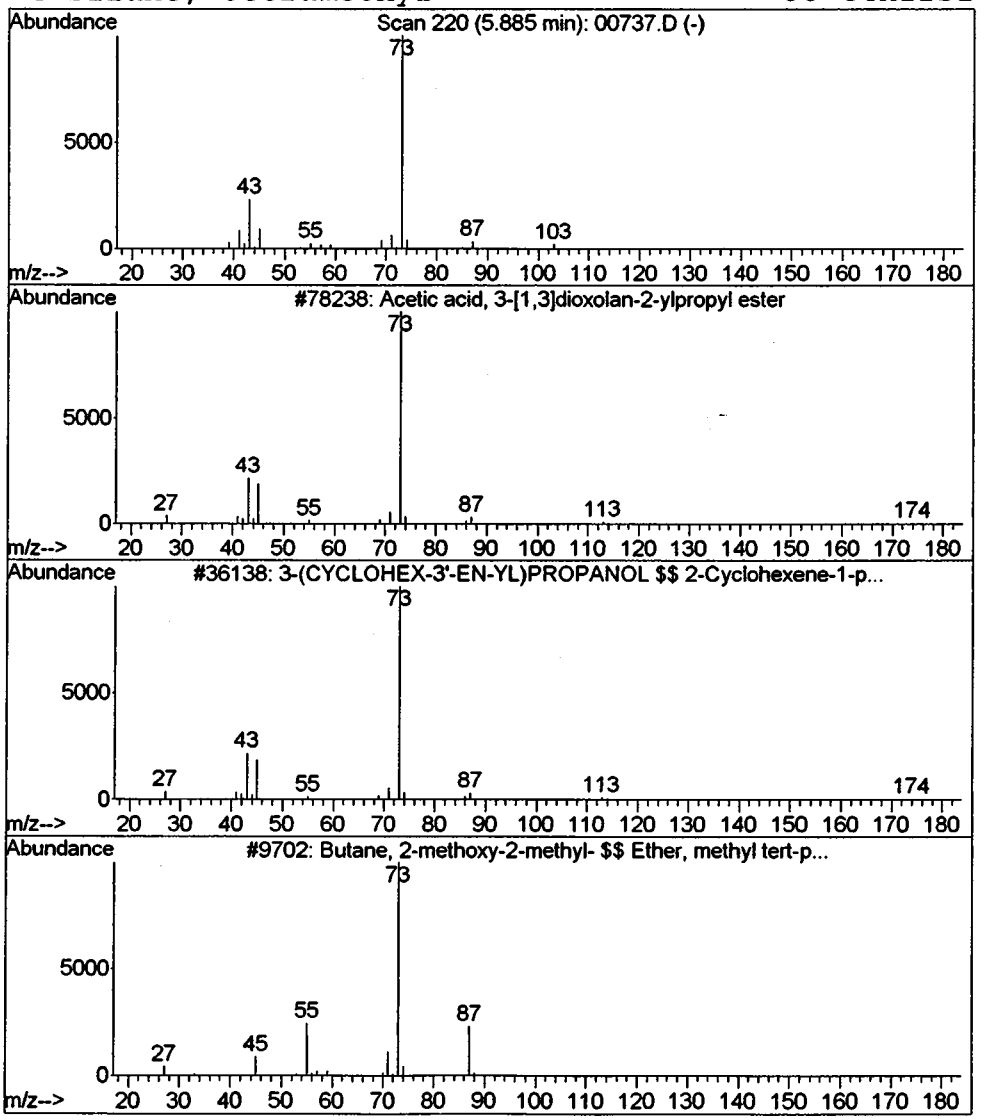
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

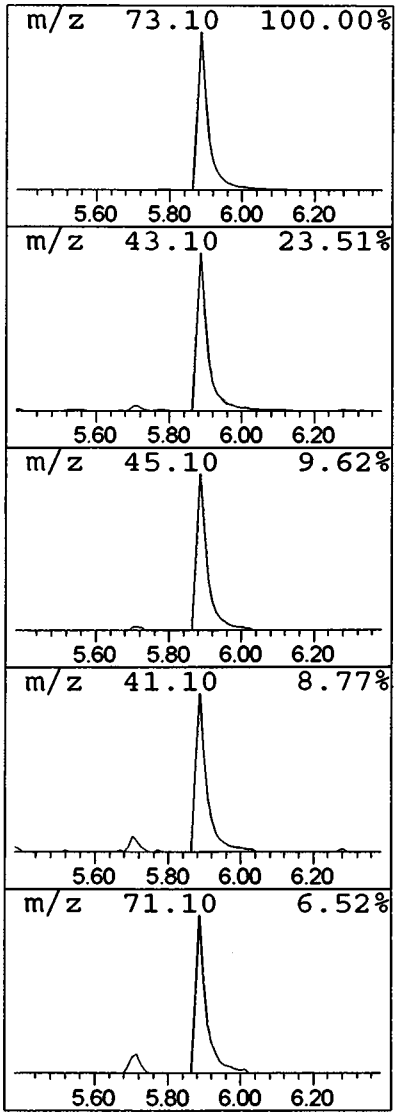
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	4.70 ug/L	1776610	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	33
2	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	33
3	Butane, 2-methoxy-2-methyl- $$ E...	102	C6H14O	000994-05-8	33
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	25





Data File : C:\MSDCHEM\1\5973N\02JAN16\00737.D Vial: 5
Acq On : 16 Jan 2002 6:26 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

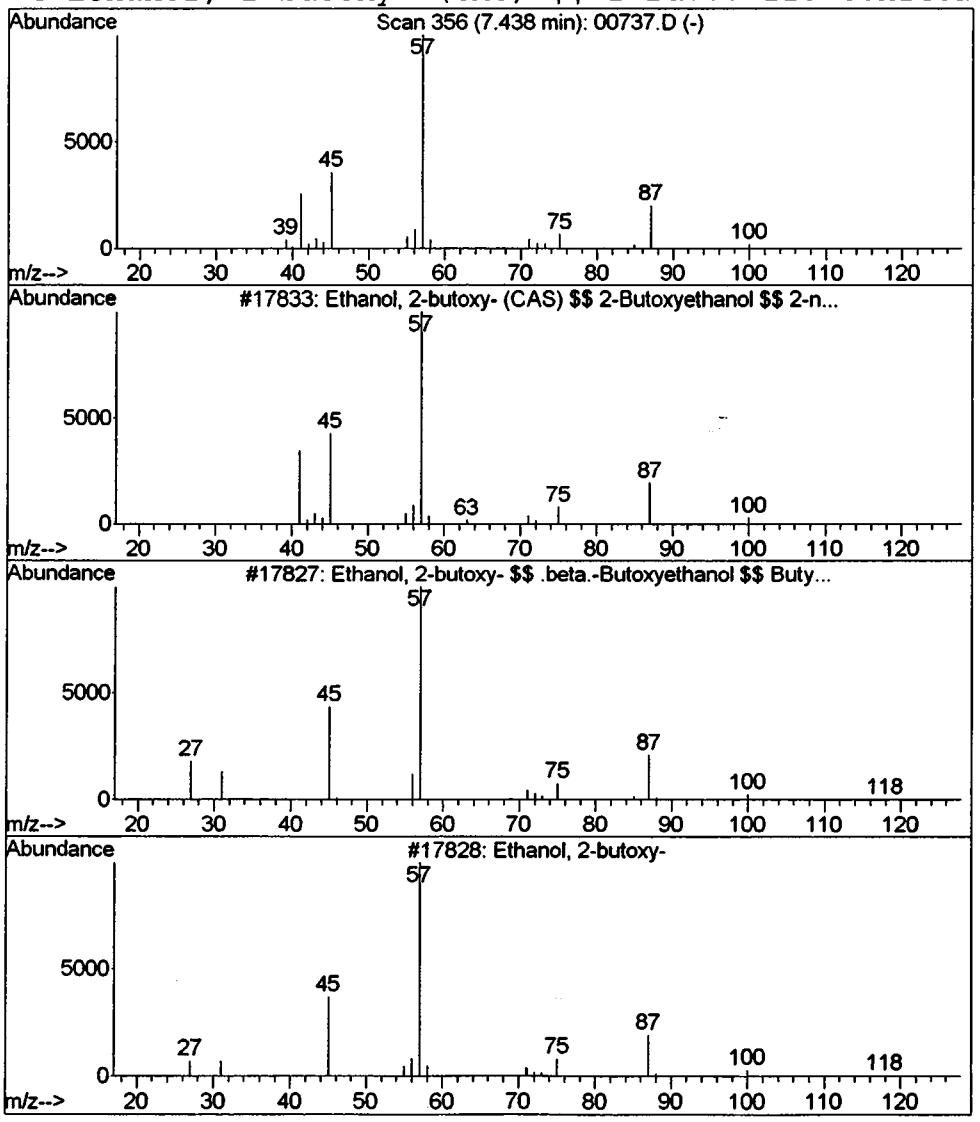
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

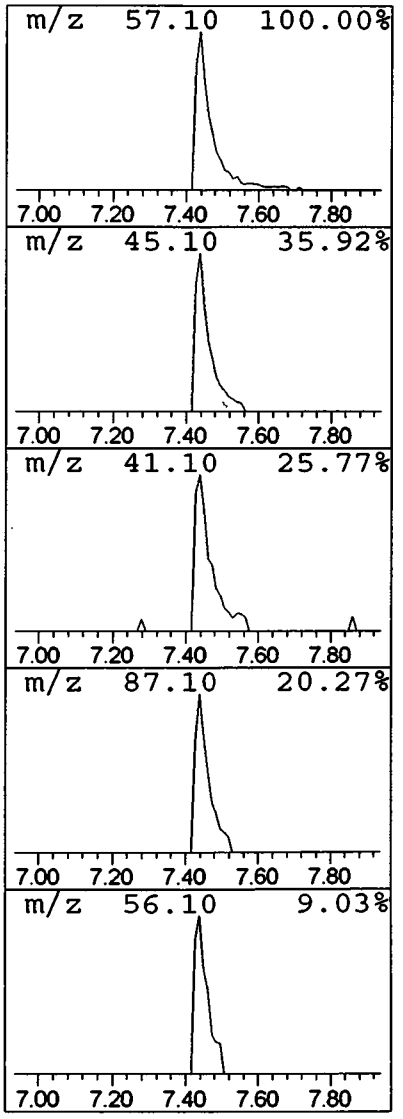
****

Peak Number 6 Ethanol, 2-butoxy- (CAS) $$... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.44	0.50 ug/L	190418	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-butoxy- (CAS) $$ 2-Bu...	118	C6H14O2	000111-76-2	90
2	Ethanol, 2-butoxy- $$ .beta.-But...	118	C6H14O2	000111-76-2	83
3	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	83
4	Ethanol, 2-butoxy- (CAS) $$ 2-Bu...	118	C6H14O2	000111-76-2	78





Data File : C:\MSDCHEM\1\5973N\02JAN16\00737.D Vial: 5
Acq On : 16 Jan 2002 6:26 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

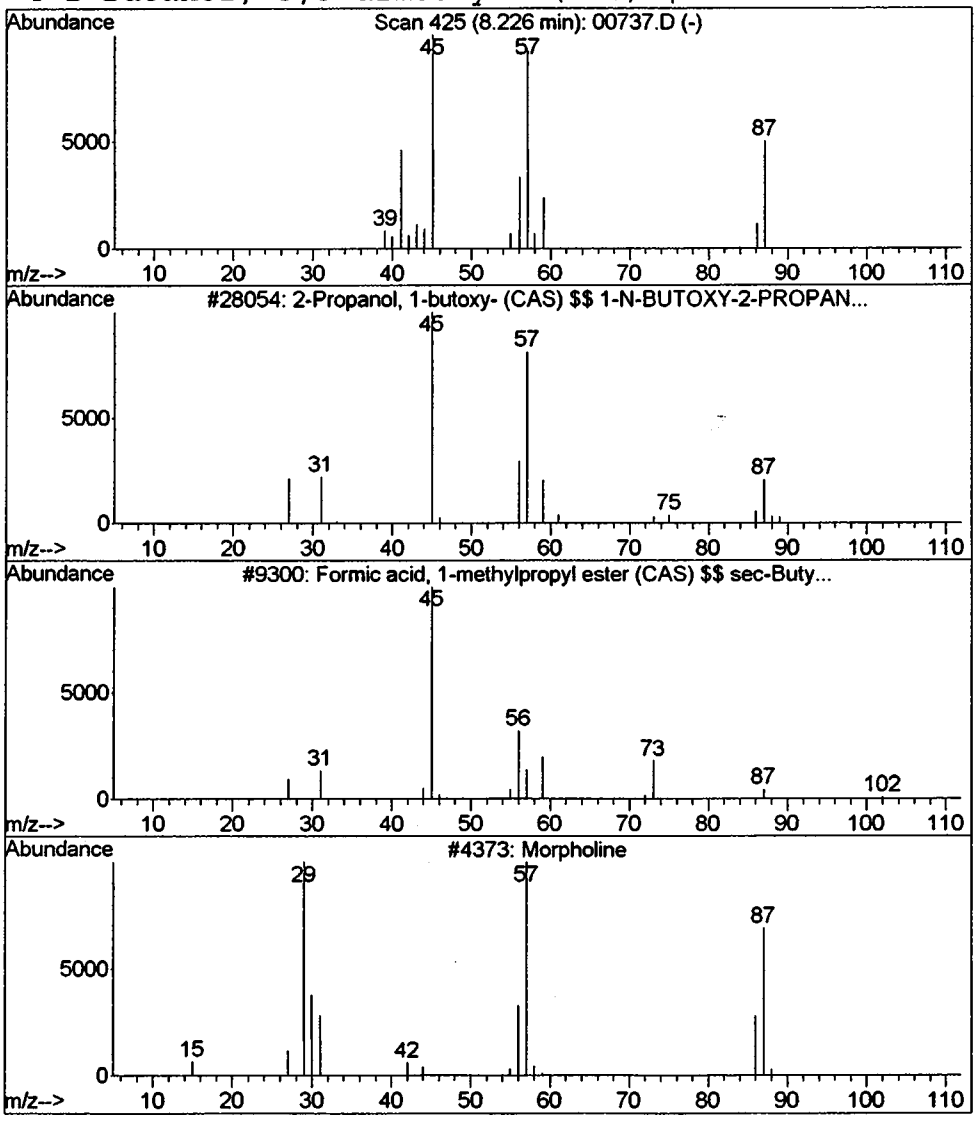
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

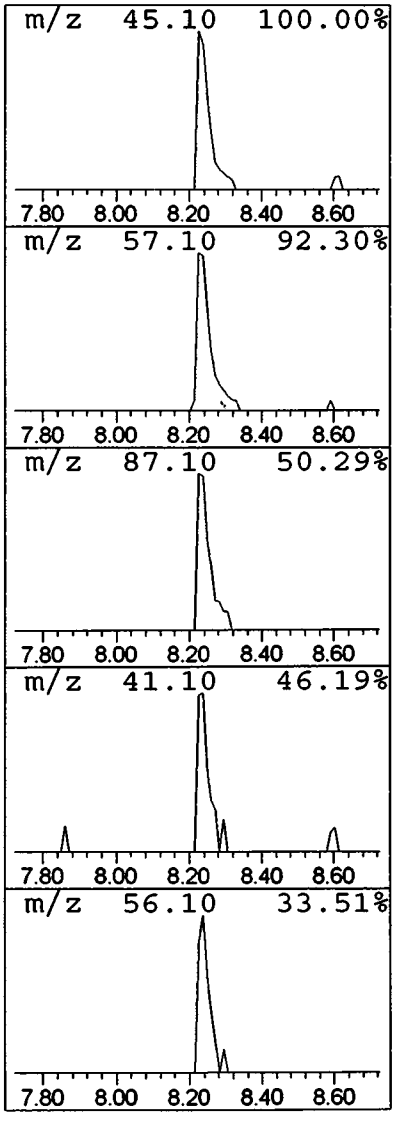
****

Peak Number 7 2-Propanol, 1-butoxy- (CAS)... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.23	0.26 ug/L	99196	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-butoxy- (CAS) $$ 1...	132	C7H16O2	005131-66-8	72
2	Formic acid, 1-methylpropyl este...	102	C5H10O2	000589-40-2	36
3	Morpholine	87	C4H9NO	000110-91-8	35
4	2-Butanol, 3,3-dimethyl- (CAS) $...	102	C6H14O	000464-07-3	33





Data File : C:\MSDCHEM\1\5973N\02JAN16\00737.D Vial: 5
Acq On : 16 Jan 2002 6:26 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

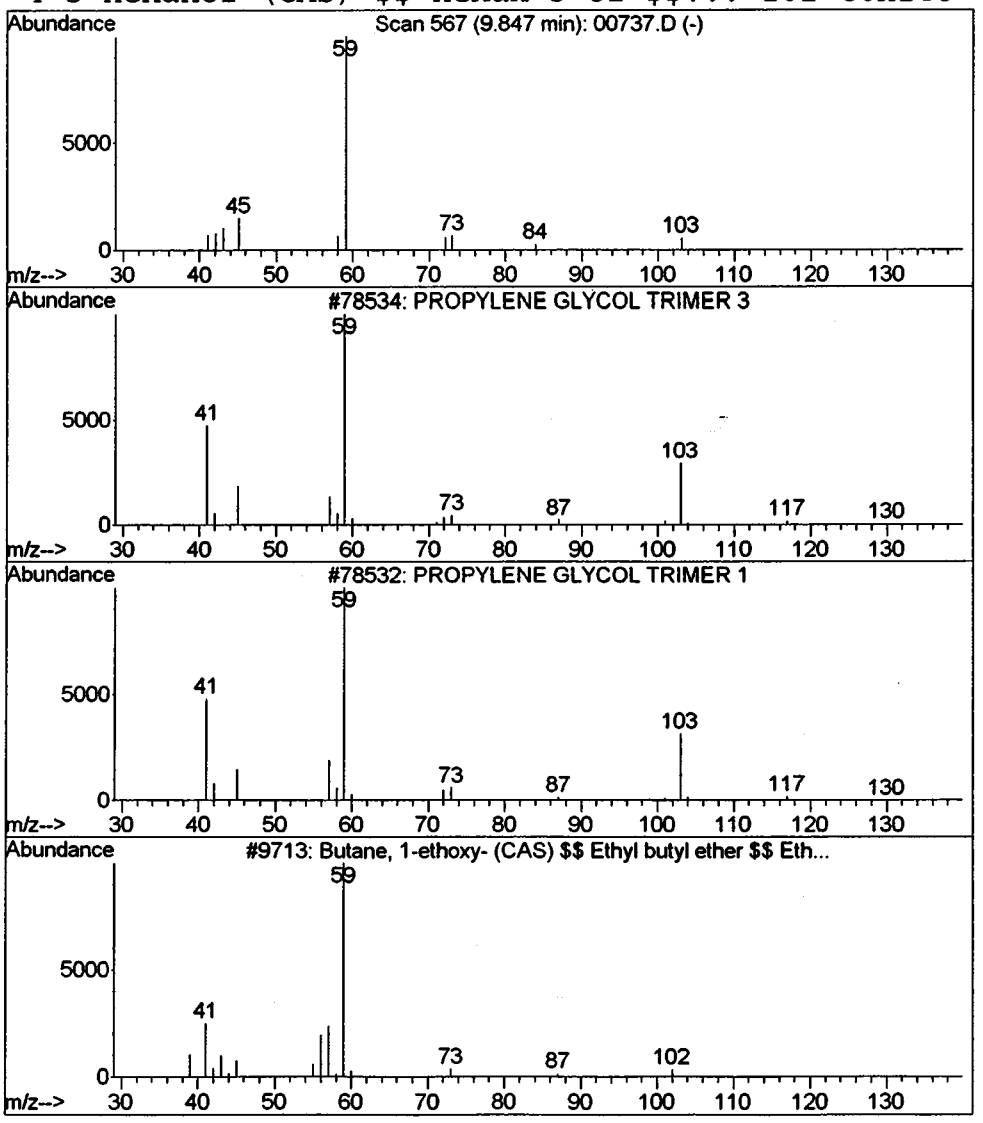
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

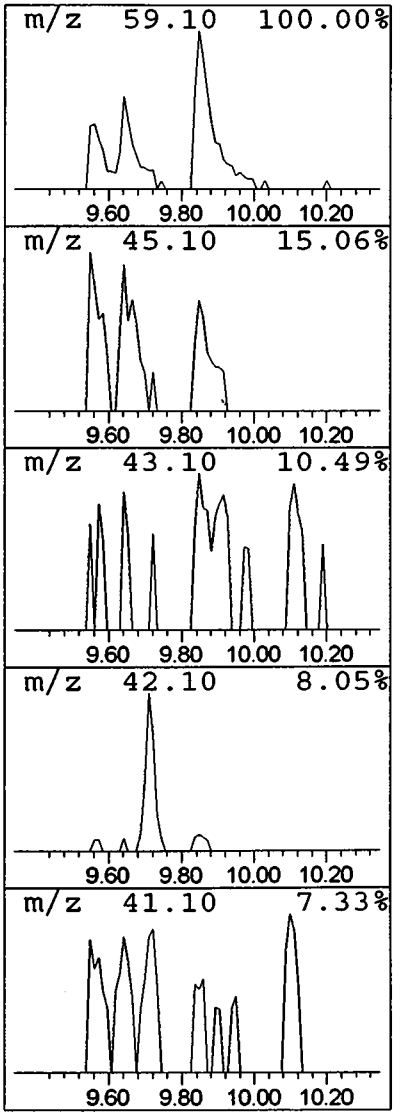
****

Peak Number 8 PROPYLENE GLYCOL TRIMER 3 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	0.16 ug/L	61964	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	PROPYLENE GLYCOL TRIMER 3	174	C9H18O3	000000-00-0	74
2	PROPYLENE GLYCOL TRIMER 1	174	C9H18O3	000000-00-0	64
3	Butane, 1-ethoxy- (CAS) $$ Ethyl...	102	C6H14O	000628-81-9	9
4	3-Hexanol (CAS) $$ Hexan-3-ol $$...	102	C6H14O	000623-37-0	9





Data File : C:\MSDCHEM\1\5973N\02JAN16\00737.D Vial: 5
Acq On : 16 Jan 2002 6:26 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

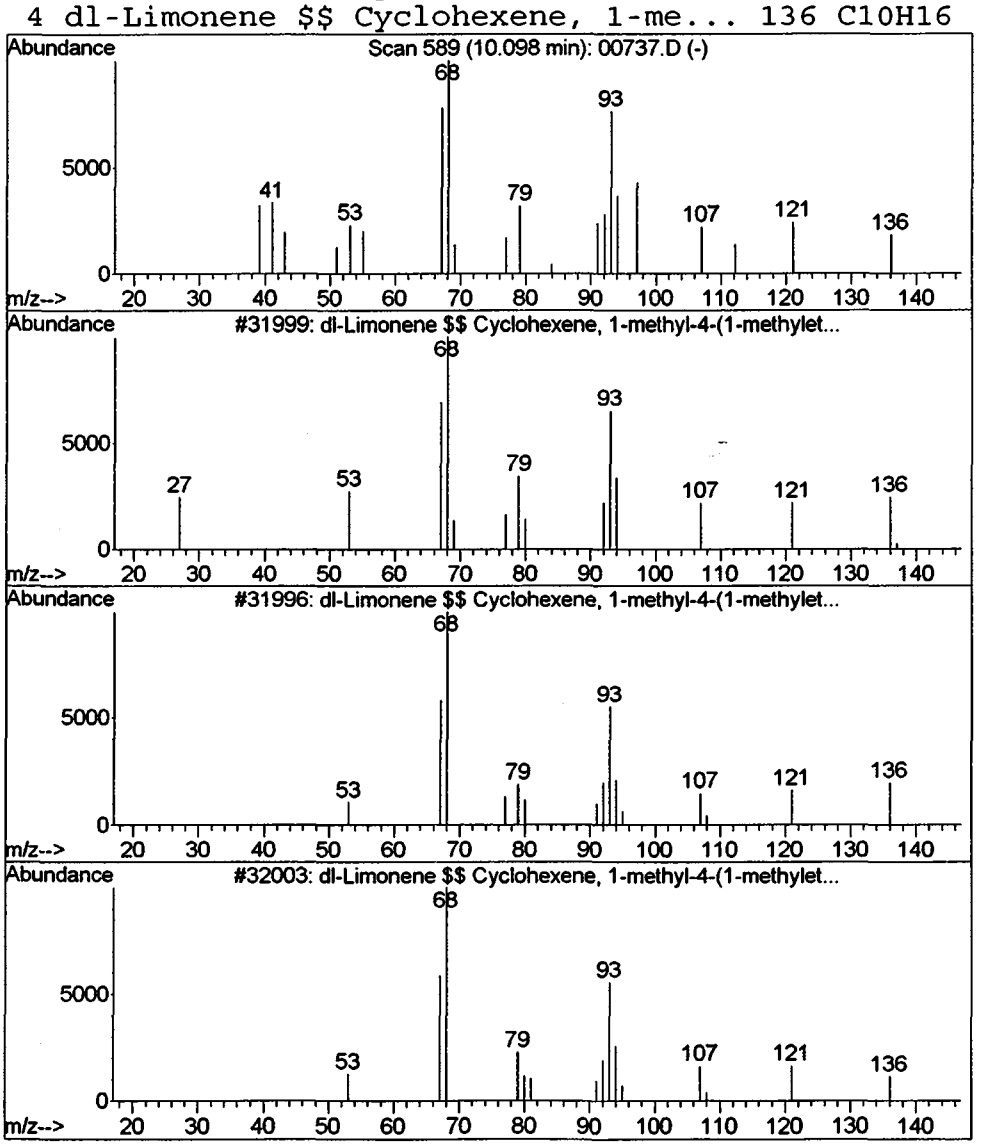
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

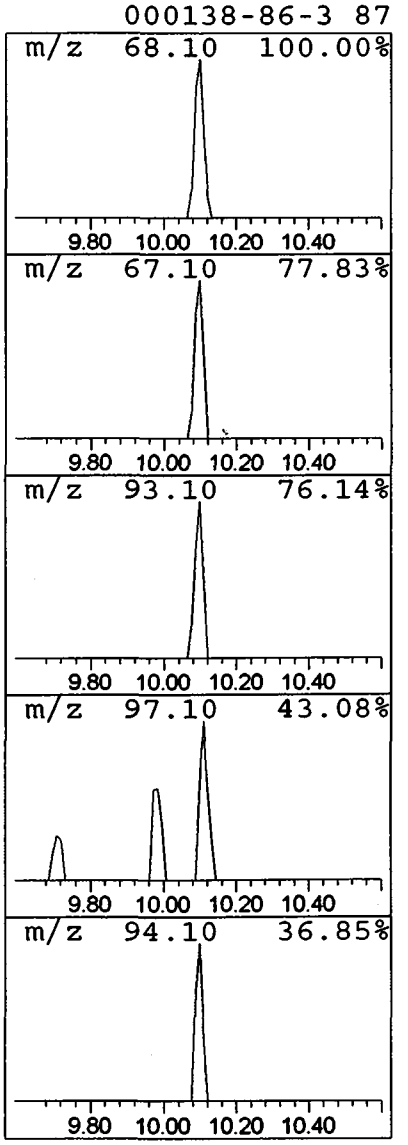
****

Peak Number 9 dl-Limonene $$ Cyclohexene,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.10	0.13 ug/L	50239	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	dl-Limonene $$ Cyclohexene, 1-me...	136	C10H16	000138-86-3	94
2	dl-Limonene $$ Cyclohexene, 1-me...	136	C10H16	000138-86-3	87
3	dl-Limonene $$ Cyclohexene, 1-me...	136	C10H16	000138-86-3	87
4	dl-Limonene $$ Cyclohexene, 1-me...	136	C10H16	000138-86-3	87





Data File : C:\MSDCHEM\1\5973N\02JAN16\00737.D Vial: 5
Acq On : 16 Jan 2002 6:26 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

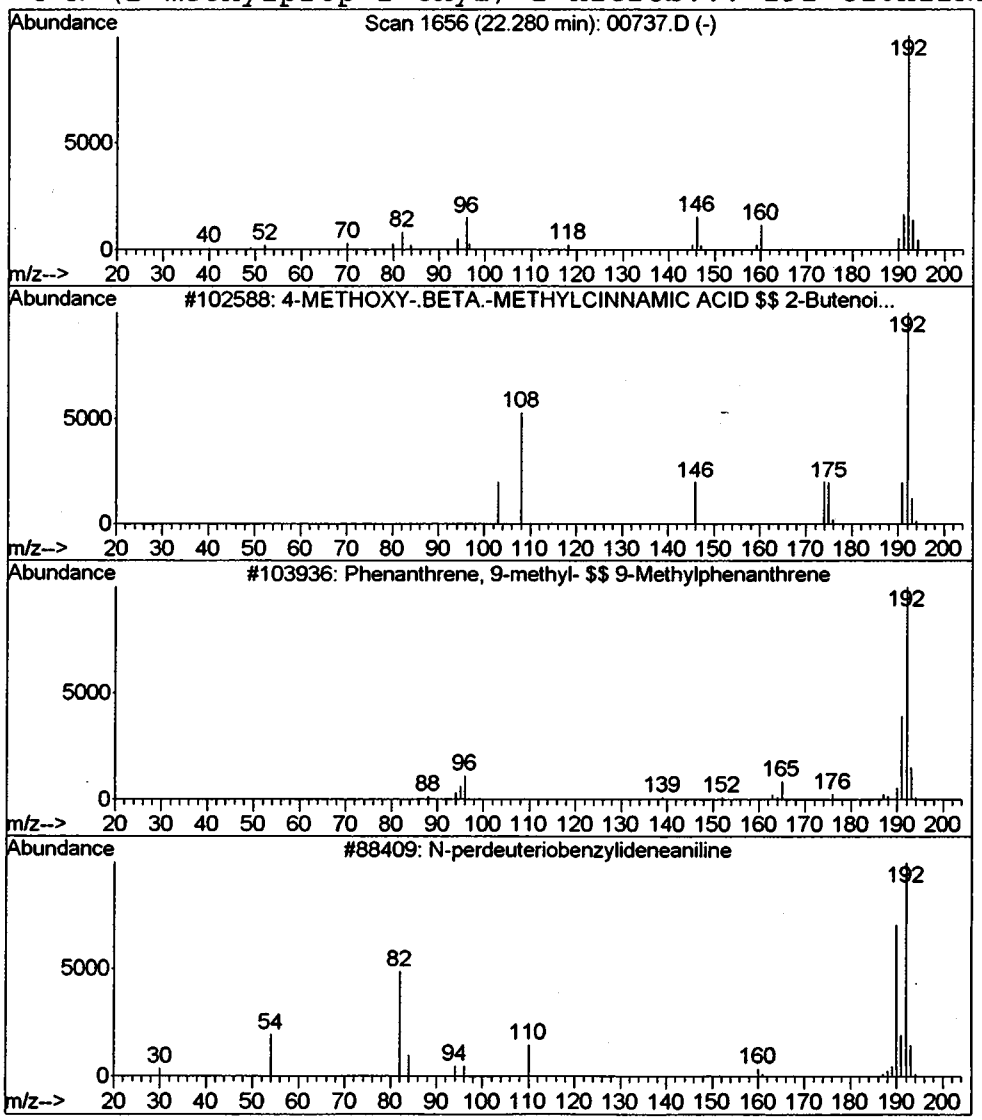
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

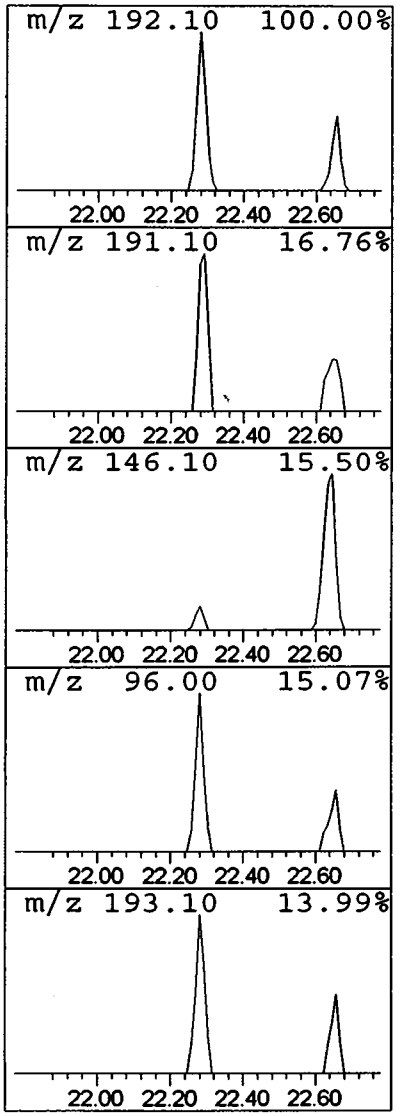
****

Peak Number 10 4-METHOXY-.BETA.-METHYLCINN... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.15 ug/L	95207	Phenanthrene-d10	22.65

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	47





Data File : C:\MSDCHEM\1\5973N\02JAN16\00737.D Vial: 5
Acq On : 16 Jan 2002 6:26 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

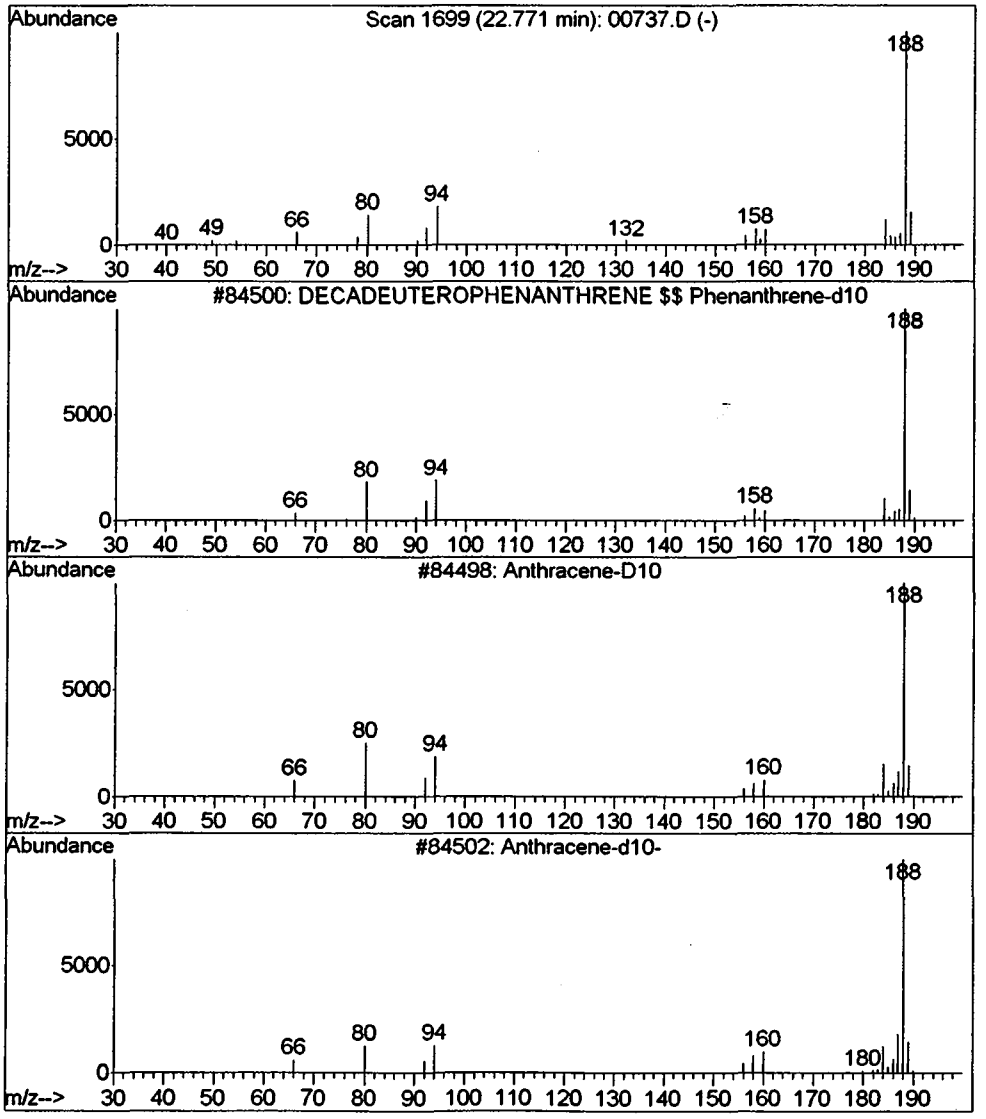
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

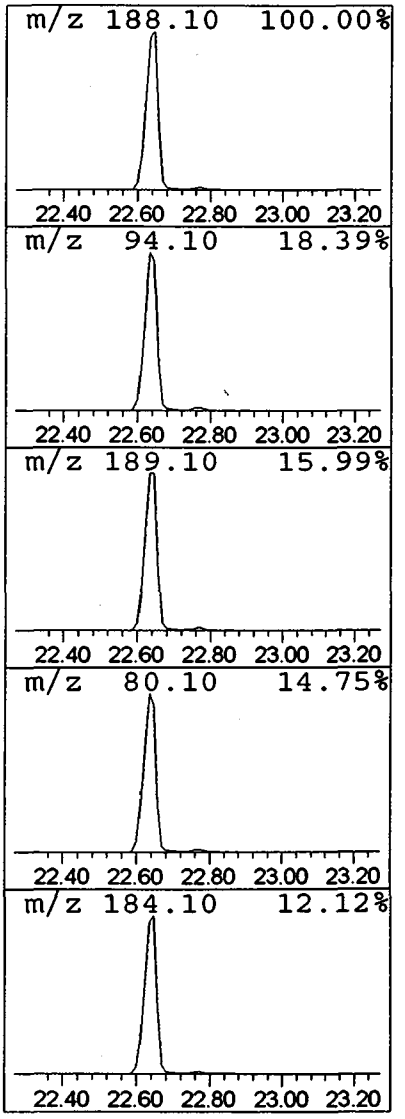
****

Peak Number 11 DECADEUTEROPHENANTHRENE $$ ... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.34 ug/L	219095	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	95
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	87





Operator ID: Date Acquired: 16 Jan 2002 6:26 pm
Data File: C:\MSDCHEM\1\5973N\02JAN16\00737.D
Name: 508scan
Misc: January 16, 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 #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Methacrylamide $$...	4.24	0.2	ug/L	81900	1	9.71	7560540	20.0
2-Buten-1-ol, 3-m...	4.62	0.1	ug/L	56098	1	9.71	7560540	20.0
2-Butenal, 3-meth...	4.82	0.3	ug/L	119766	1	9.71	7560540	20.0
Butenol, methyl-	5.01	0.1	ug/L	42025	1	9.71	7560540	20.0
Acetic acid, 3-[1...	5.89	4.7	ug/L	1776610	1	9.71	7560540	20.0
Ethanol, 2-butoxy...	7.44	0.5	ug/L	190418	1	9.71	7560540	20.0
2-Propanol, 1-but...	8.23	0.3	ug/L	99196	1	9.71	7560540	20.0
PROPYLENE GLYCOL ...	9.85	0.2	ug/L	61964	1	9.71	7560540	20.0
dl-Limonene $$ Cy...	10.10	0.1	ug/L	50239	1	9.71	7560540	20.0
4-METHOXY-.BETA.-...	22.28	0.1	ug/L	95207	4	22.65	12819900	20.0
DECADEUTEROPHENAN...	22.77	0.3	ug/L	219095	4	22.65	12819900	20.0