User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/24/2002 Time: 11:35:49

Sample: AE00463
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/24/02 11:35 Ended: 1/24/02 11:35 Analyst: DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		88		5.0

Comments for Sample AE00463 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-24-2002 Time: 11:36:38

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 31 of the 43 compounds in the LCS Standard were above their acceptance ranges.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN11\00463.D Vial: 5
Acq On : 11 Jan 2002 5:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 11, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 14 10:32:34 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	9.72	152	1097454	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	4669484	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	2511877	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.63	188	4260636	20.00	ug/L	-0.03
38) Chrysene-d12	30.50	240	3755602	20.00	ug/L	-0.01
44) Perylene-d12	34.42	264	2761227	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	295629	4.39	ug/L	0.00
Spiked Amount 5.000			Recovery = 87.80%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.60	74	10031	0.21	ug/L #	9
20) Dimethylphthalate	18.34	163	404334	2.44	ug/L #	55
21) 2,6-Dinitrotoluene	18.34	165	320137	9.89	ug/L #	17
35) Di-n-butylphthalate	24.85	149	12582	0.05	ug/L #	76
41) Benzo(a)anthracene	30.50	228	8376	0.04	ug/L #	66
42) Bis(2-ethylhexyl)phthalate	31.11	149	5274	0.58	ug/L #	70
43) Chrysene	30.50	228	8376	0.04	ug/L #	64
48) Benzo(a)pyrene	34.42	252	9590	0.05	ug/L #	1

(#) = qualifier out of range (m) = manual integration
00463.D SCAN508.M Mon Jan 14 10:32:35 2002 Page 1

Quantitation Report (Not Reviewed)

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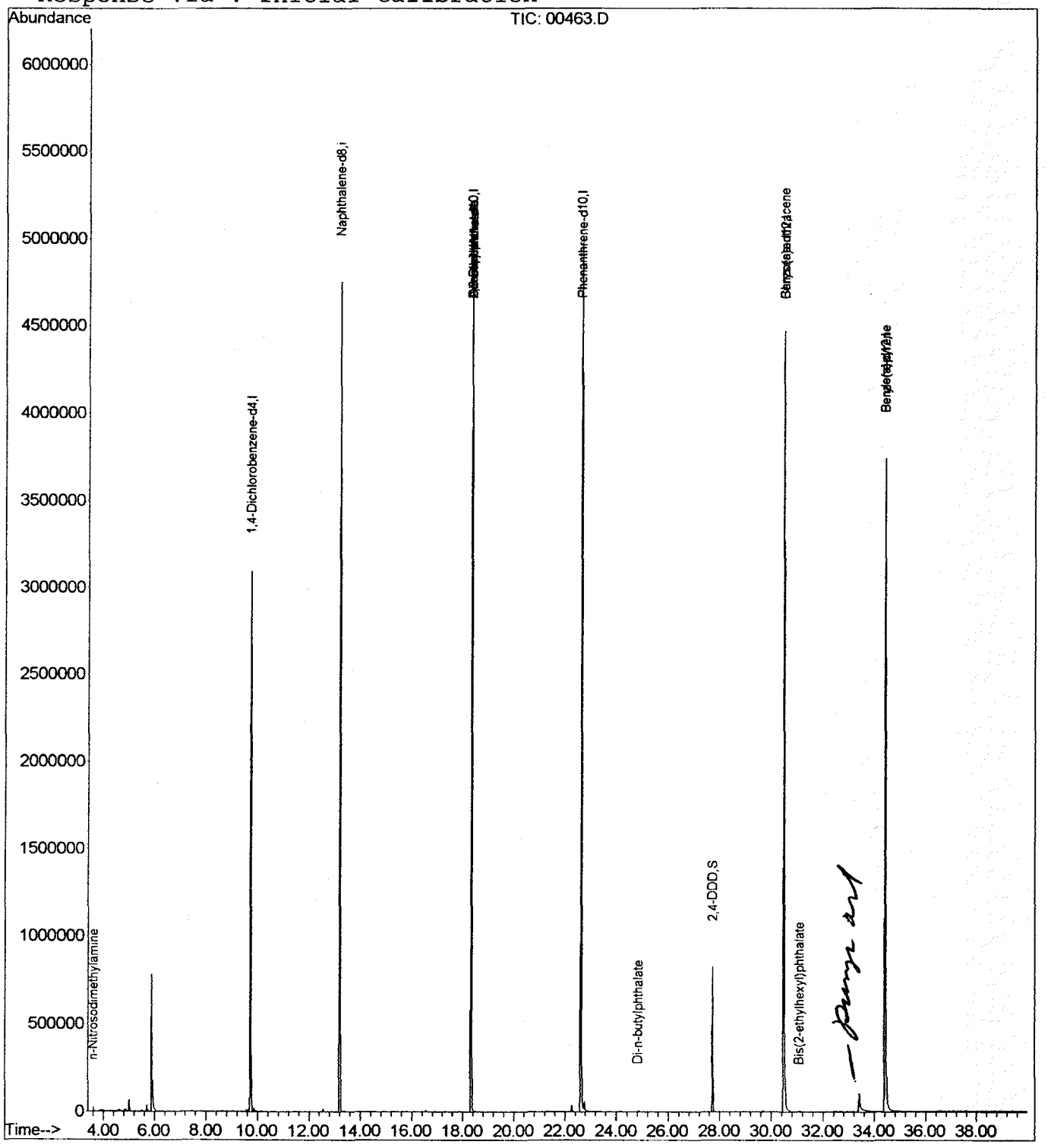
Sample : 508 scan Inst : Instrumen
Misc : January 11, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 14 10:32 2002 Quant Results File: SCAN508.RE

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



LSC Area Percent Report

Data File : C:\MSDCHEM\1\5973N\02JAN11\00463.D Vial: 5
Acq On : 11 Jan 2002 5:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 11, 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

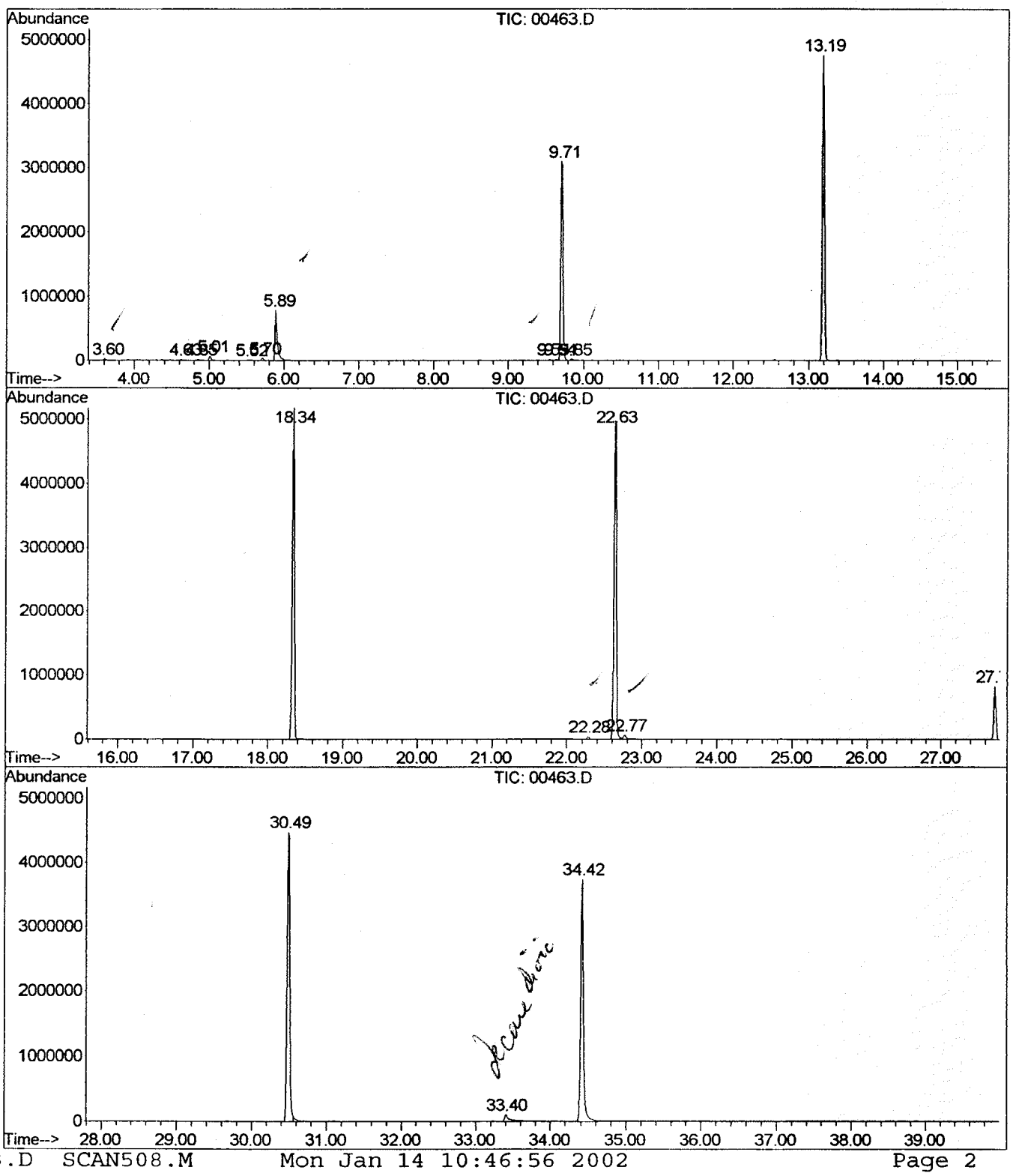
Signal : TIC

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	rVB	27471	41383	0.37%	0.068%
2	4.630	107	110	117	rVB3	12358	29919	0.27%	0.049%
3	4.847	123	129	139	rBV3	13770	44770	0.40%	0.073%
4	5.006	139	143	149	rVV	67005	110595	0.98%	0.181%
5	5.520	185	188	201	rVB3	7385	28112	0.25%	0.046%
6	5.703	201	204	209	rBV	36727	70724	0.63%	0.116%
7	5.885	215	220	245	rBV	783256	1586890	14.13%	2.598%
8	9.550	537	541	547	rBV2	13833	33505	0.30%	0.055%
9	9.642	547	549	551	rVV	15801	31452	0.28%	0.051%
10	9.710	551	555	561	rVV	3094556	6229229	55.45%	10.199%
11	9.847	561	567	577	rVB	19357	64052	0.57%	0.105%
12	13.192	855	860	865	rBV	4755317	8932287	79.51%	14.624%
13	18.341	1305	1311	1315	rBV	5173844	10176151	90.58%	16.661%
14	22.280	1651	1656	1661	rBV2	40581	76814	0.68%	0.126%
15	22.634	1681	1687	1693	rBV2	4978341	11233914	100.00%	18.392%
16	22.771	1695	1699	1707	rVB	61276	155189	1.38%	0.254%
17	27.726	2129	2133	2139	rVV	824425	1475662	13.14%	2.416%
18	30.489	2369	2375	2381	rBV	4472037	10964889	97.61%	17.952%
19	33.400	2625	2630	2645	rBV	105206	434753	3.87%	0.712%
20	34.416	2713	2719	2755	rBV	3737645	9358569	83.31%	15.322%

Sum of corrected areas: 61078859

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02JAN11\00463.D
Operator :
Acquired : 11 Jan 2002 5:25 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : January 11, 2002
Vial Number: 5
Quant File :SCAN508.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN11\00463.D Vial: 5
Acq On : 11 Jan 2002 5:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 11, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

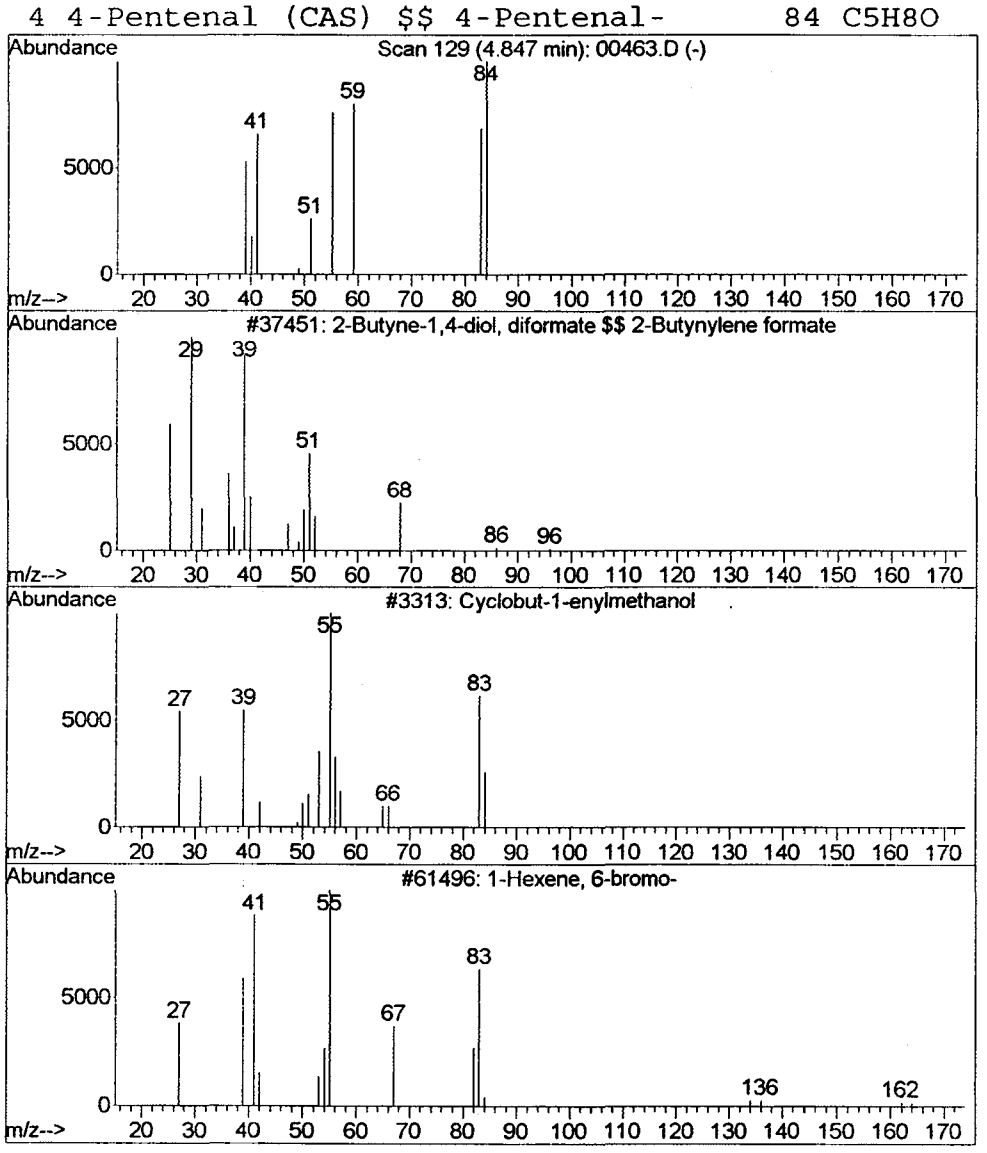
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

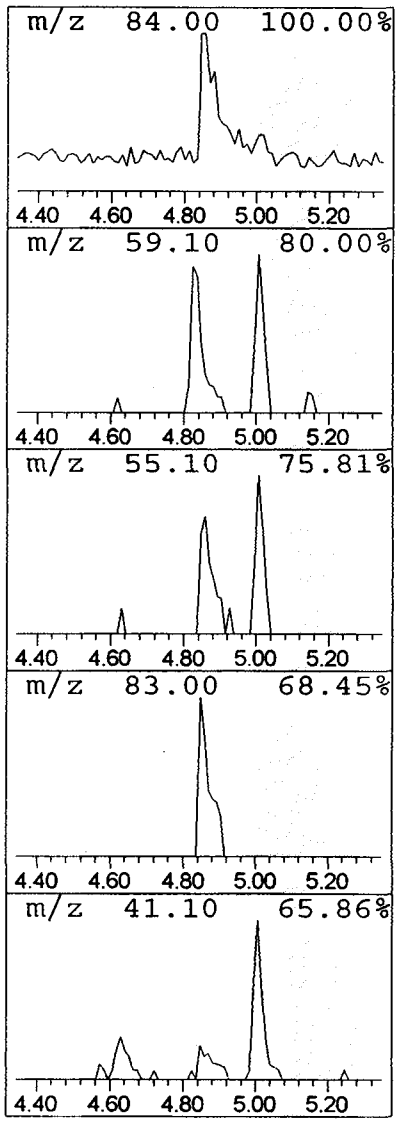
****

Peak Number 1 2-Butyne-1,4-diol, diformat... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	0.14 ug/L	44770	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butyne-1,4-diol, diformate $$ ...	142	C6H6O4	036677-73-3	9
2	Cyclobut-1-enylmethanol	84	C5H8O	000000-00-0	9
3	1-Hexene, 6-bromo-	162	C6H11Br	002695-47-8	9
4	4-Pentenal (CAS) $$ 4-Pentenal-	84	C5H8O	002100-17-6	9





Library Search Compound Report

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Acq On : 11 Jan 2002 5:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 11, 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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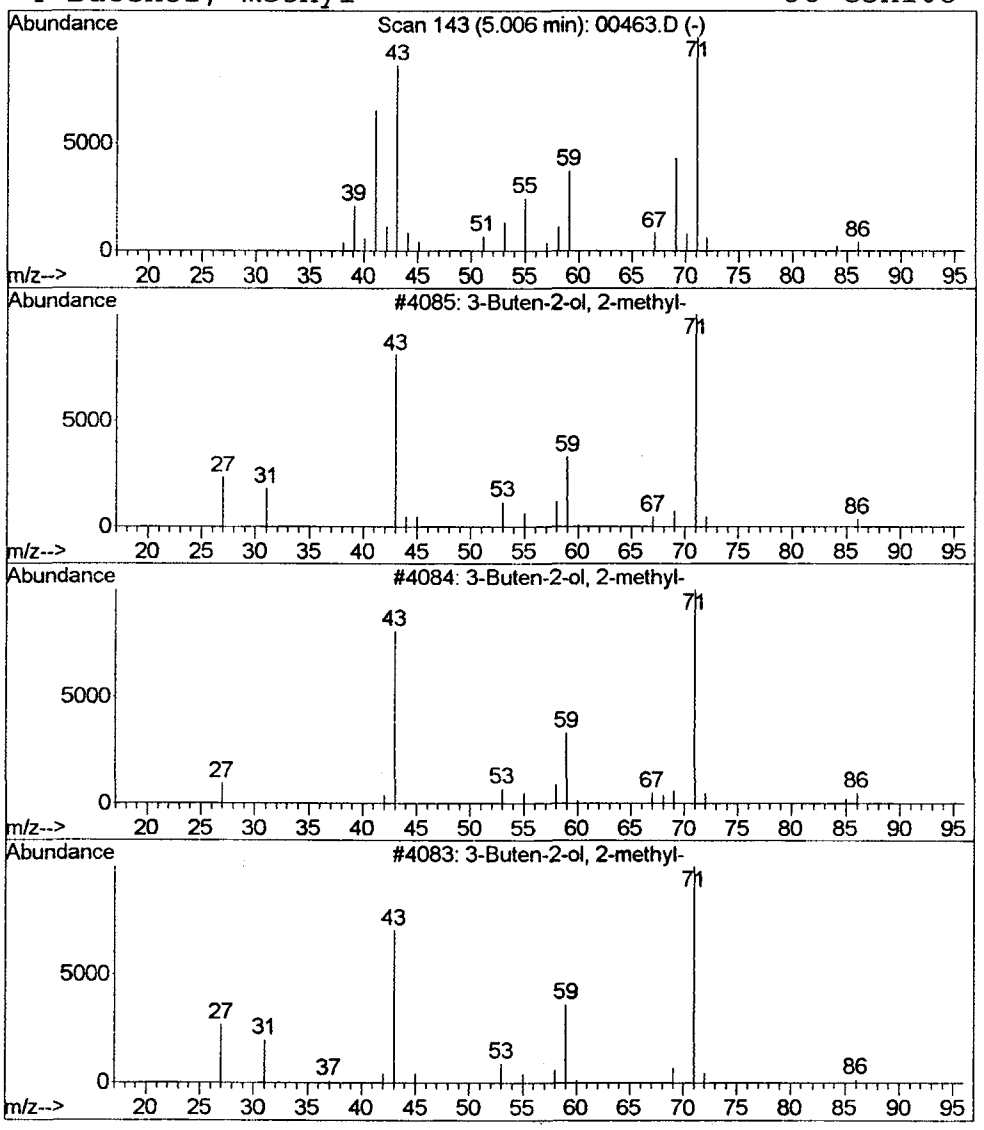
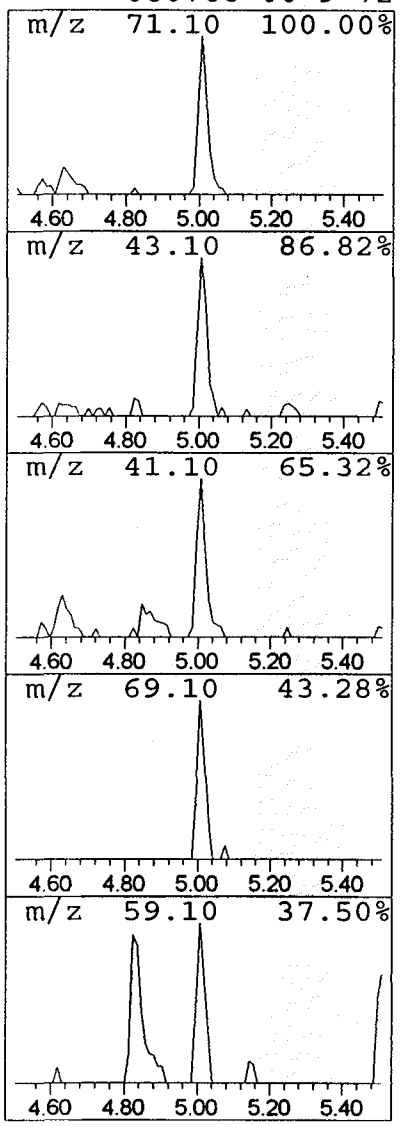
Peak Number 2 3-Buten-2-ol, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	0.36 ug/L	110595	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	90
2	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	80
3	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	78
4	Butenol, methyl-	86	C5H10O	060766-00-9	72





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN11\00463.D Vial: 5
Acq On : 11 Jan 2002 5:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 11, 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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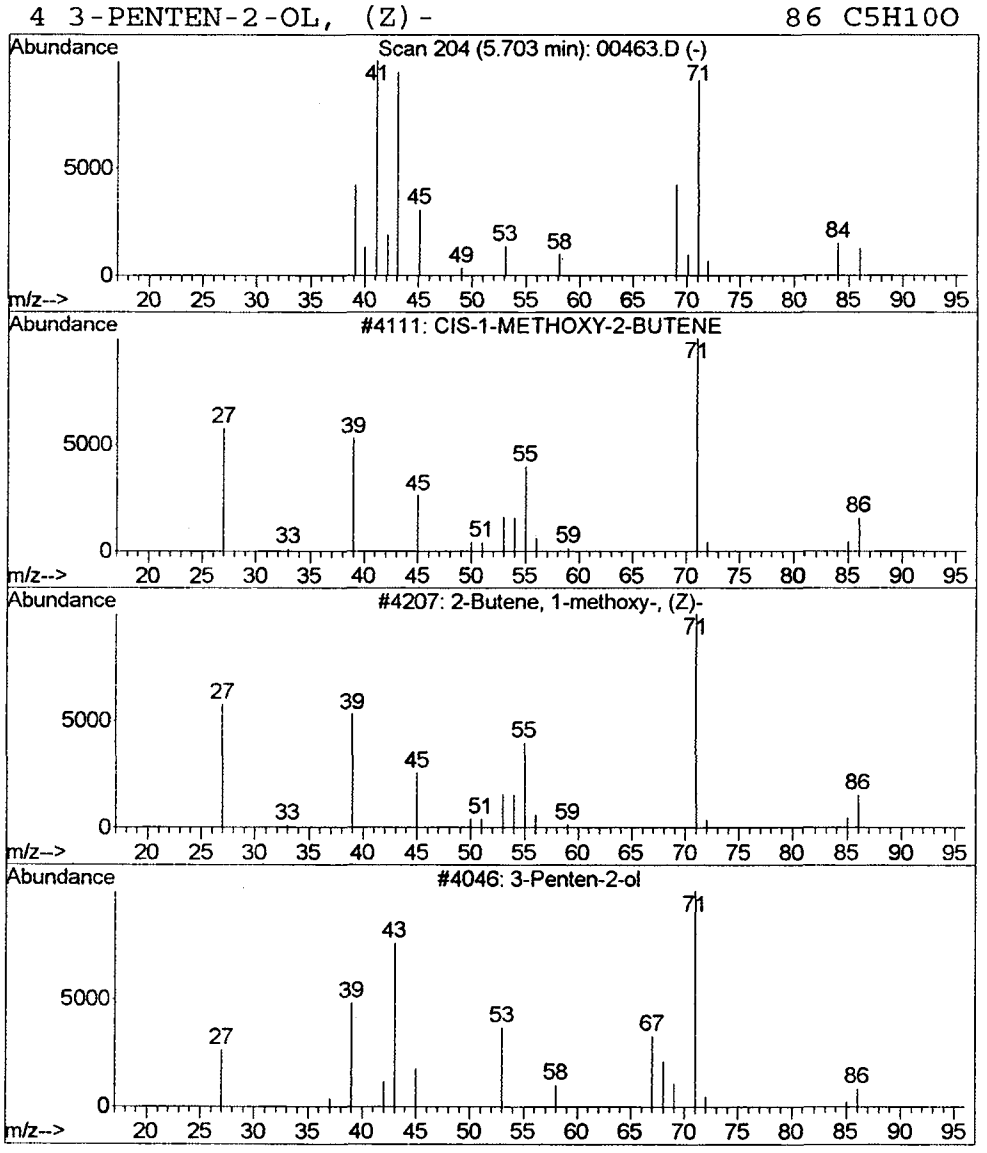
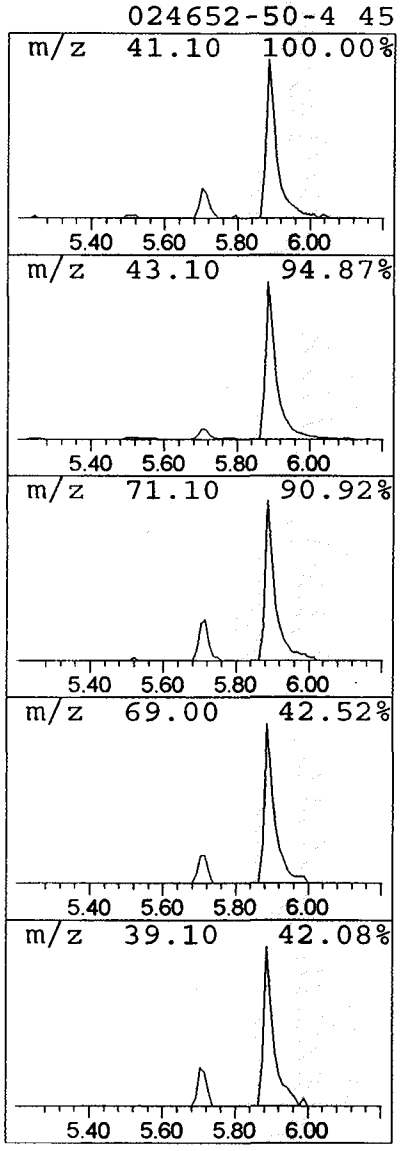
Peak Number 3 CIS-1-METHOXY-2-BUTENE Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.70	0.23 ug/L	70724	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	CIS-1-METHOXY-2-BUTENE	86	C5H10O	010034-14-7	58
2	2-Butene, 1-methoxy-, (Z)-	86	C5H10O	010034-16-9	53
3	3-Penten-2-ol	86	C5H10O	001569-50-2	45
4	3-PENTEN-2-OL, (Z)-	86	C5H10O	024652-50-4	45





Library Search Compound Report

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Acq On : 11 Jan 2002 5:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 11, 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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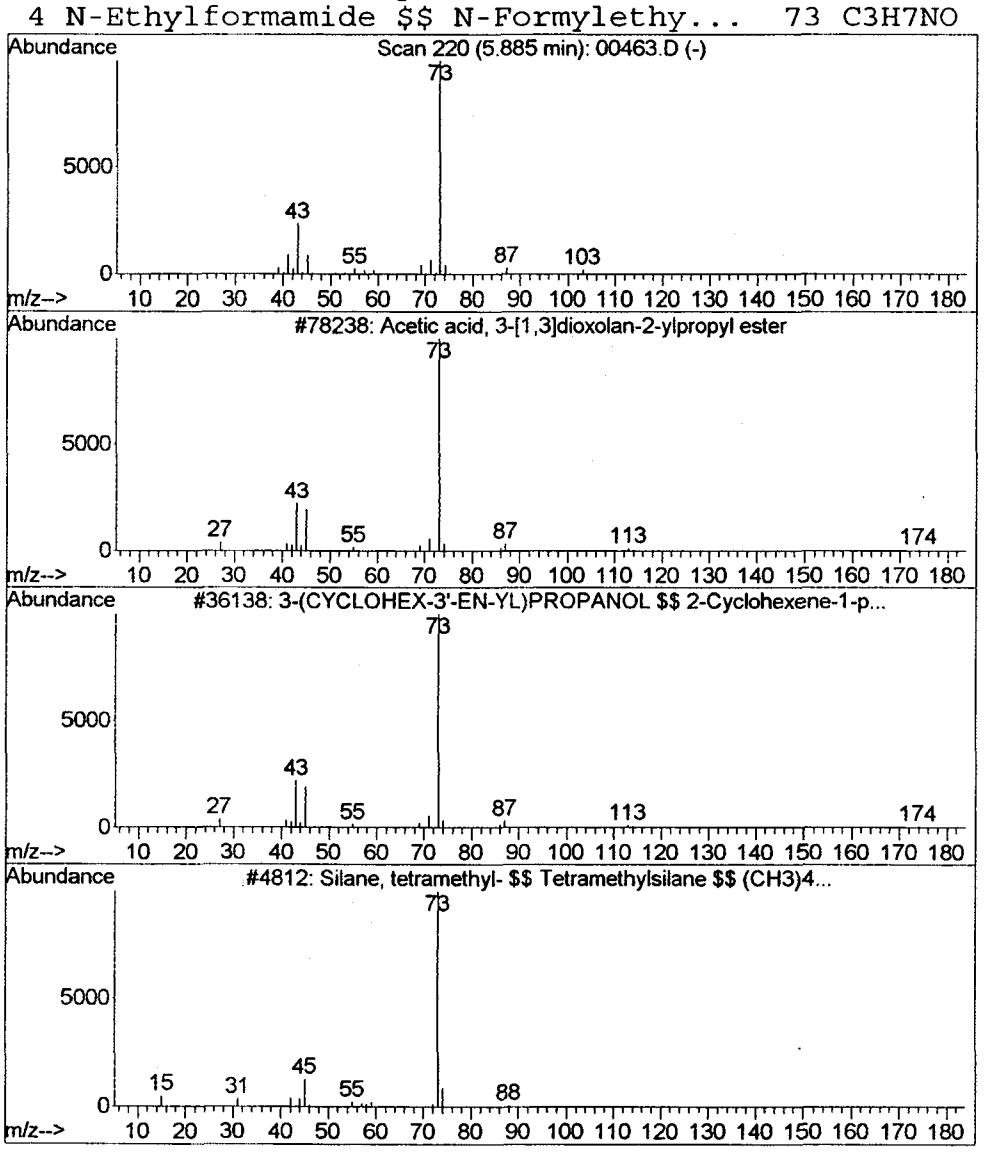
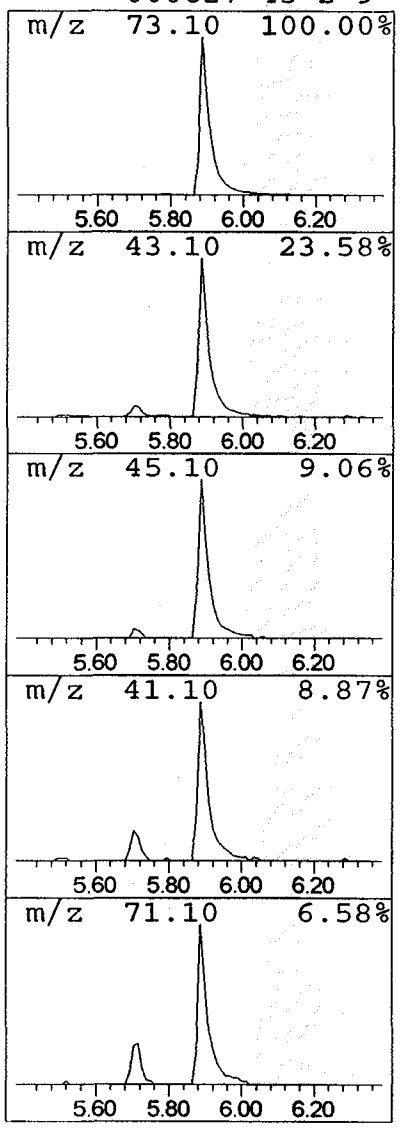
Peak Number 4 Acetic acid, 3-[1,3]dioxola... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	5.09 ug/L	1586890	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	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	33
3	Silane, tetramethyl- $$ Tetramet...	88	C4H12Si	000075-76-3	25
4	N-Ethylformamide $$ N-Formylethy...	73	C3H7NO	000627-45-2	9





Library Search Compound Report

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Acq On : 11 Jan 2002 5:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 11, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

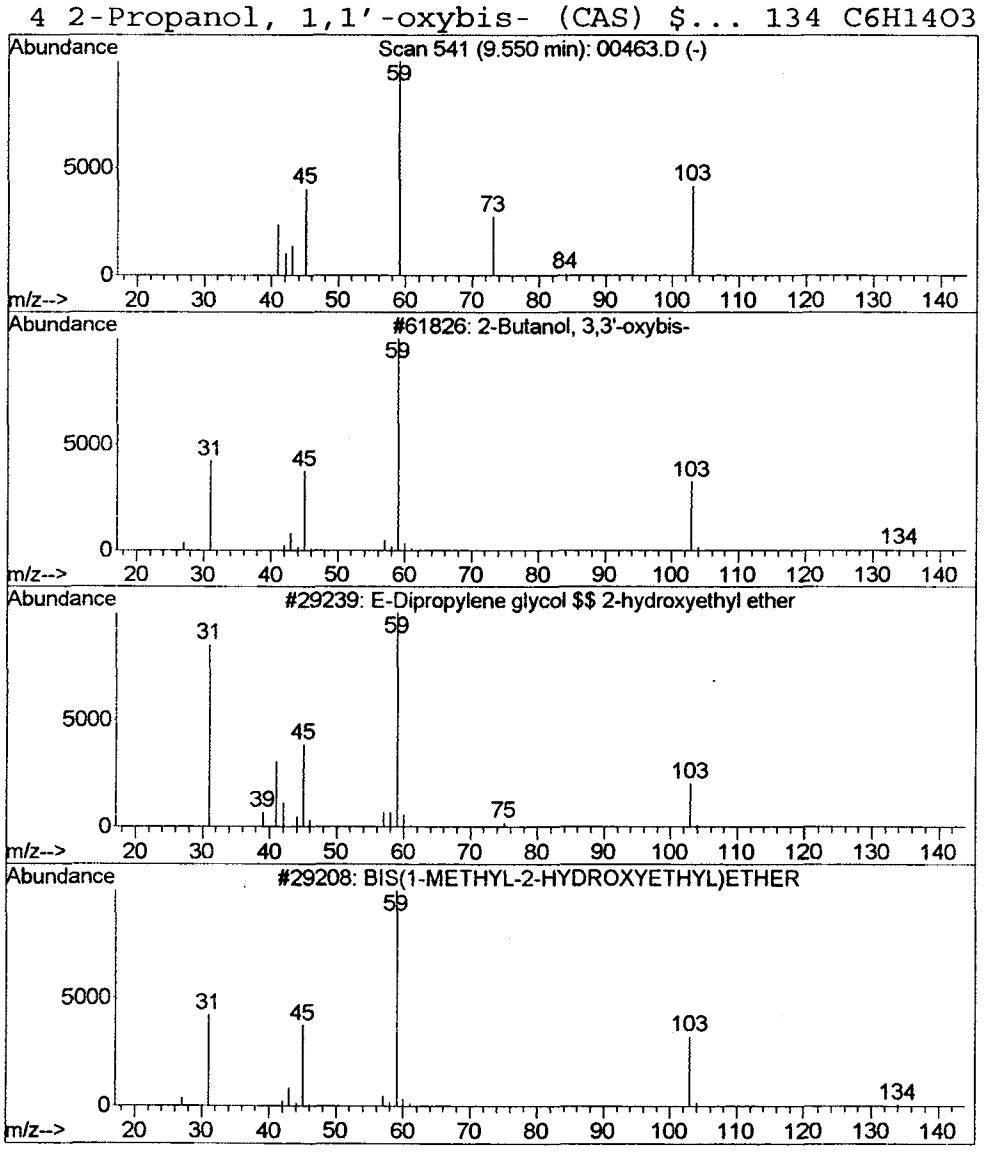
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

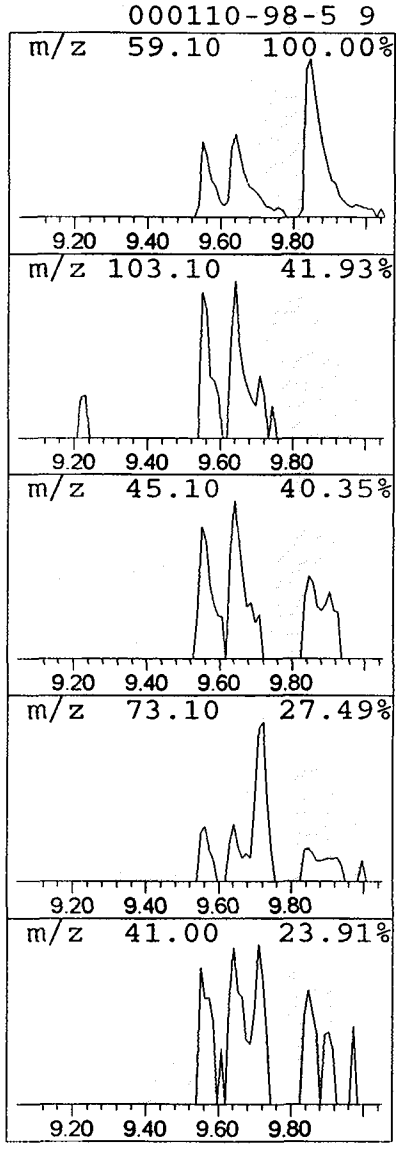
****

Peak Number 5 2-Butanol, 3,3'-oxybis- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	0.11 ug/L	33505	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanol, 3,3'-oxybis-	162	C8H18O3	054305-61-2	9
2	E-Dipropylene glycol $$ 2-hydrox...	134	C6H14O3	000000-00-0	9
3	BIS(1-METHYL-2-HYDROXYETHYL)ETHER	134	C6H14O3	000000-00-0	9
4	2-Propanol, 1,1'-oxybis- (CAS) $...	134	C6H14O3	000110-98-5	9





Library Search Compound Report

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Acq On : 11 Jan 2002 5:25 pm Operator:
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Misc : January 11, 2002 Multiplr: 1.00
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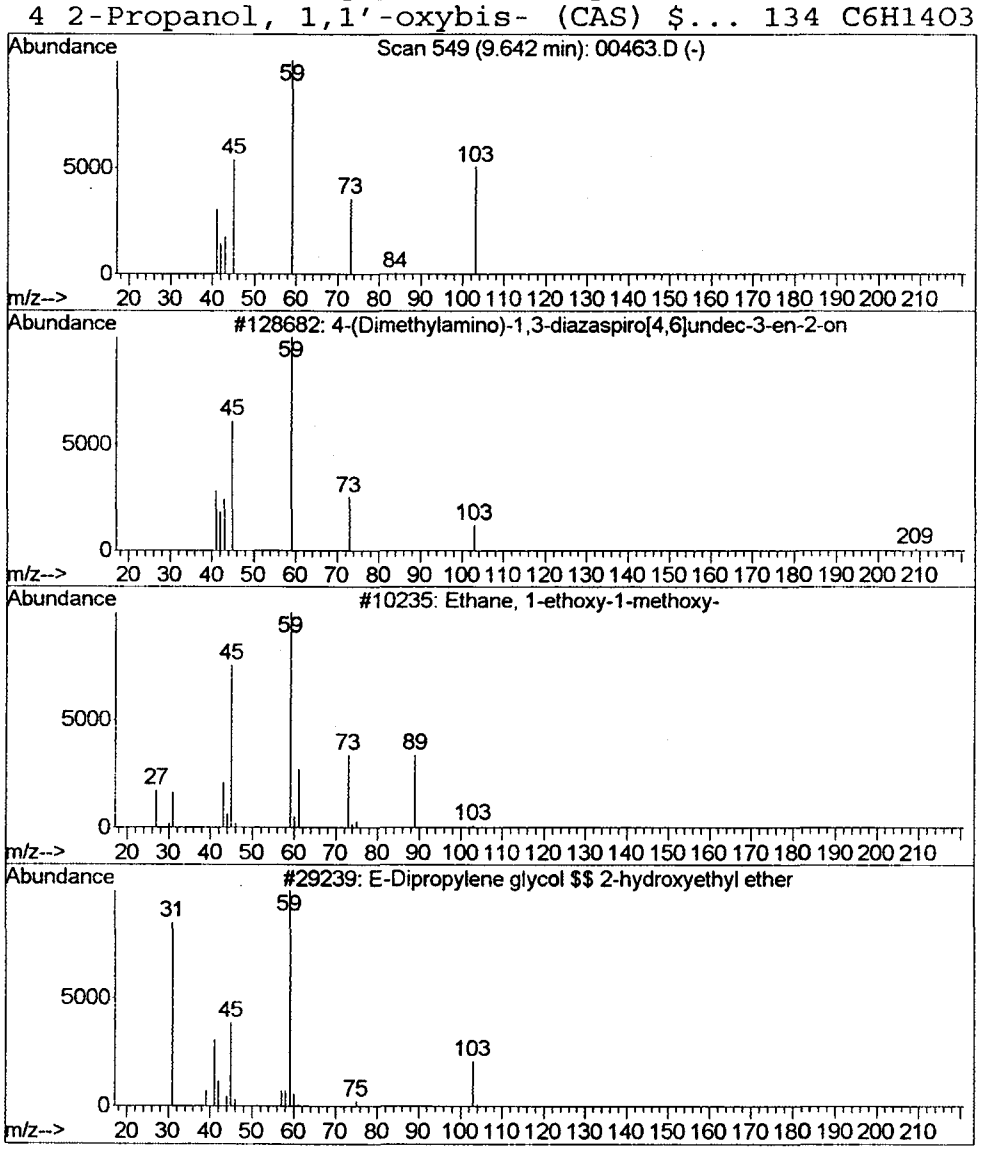
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

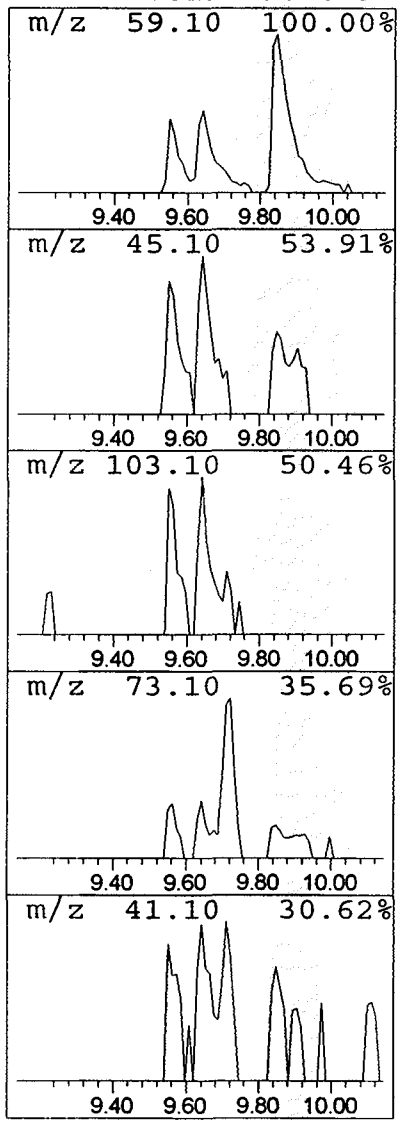
****

Peak Number 6 4-(Dimethylamino)-1,3-diaza... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.64	0.10 ug/L	31452	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(Dimethylamino)-1,3-diazaspiro...	209	C11H19N3O	000000-00-0	78
2	Ethane, 1-ethoxy-1-methoxy-	104	C5H12O2	010471-14-4	9
3	E-Dipropylene glycol $$ 2-hydrox...	134	C6H14O3	000000-00-0	9
4	2-Propanol, 1,1'-oxybis- (CAS) $...	134	C6H14O3	000110-98-5	9





Library Search Compound Report

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Acq On : 11 Jan 2002 5:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 11, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

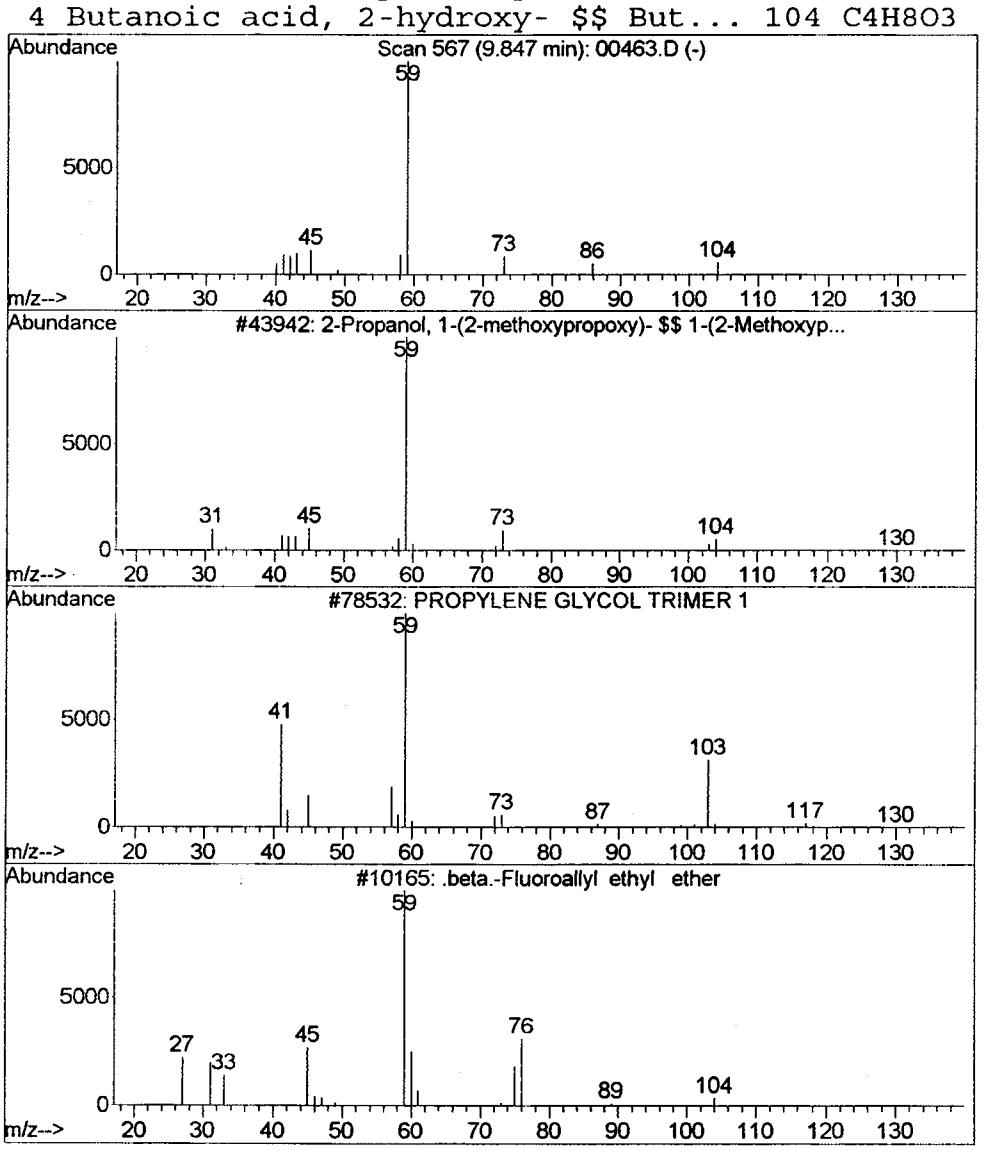
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

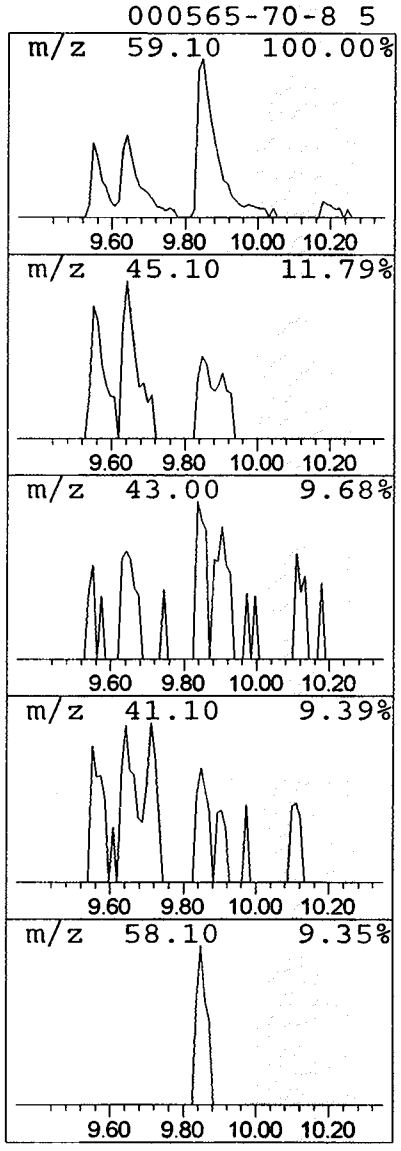
****

Peak Number 7 2-Propanol, 1-(2-methoxypro... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	0.21 ug/L	64052	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	9
3	.beta.-Fluoroallyl ethyl ether	104	C5H9FO	000000-00-0	7
4	Butanoic acid, 2-hydroxy- $$ But...	104	C4H8O3	000565-70-8	5





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Acq On : 11 Jan 2002 5:25 pm Operator:
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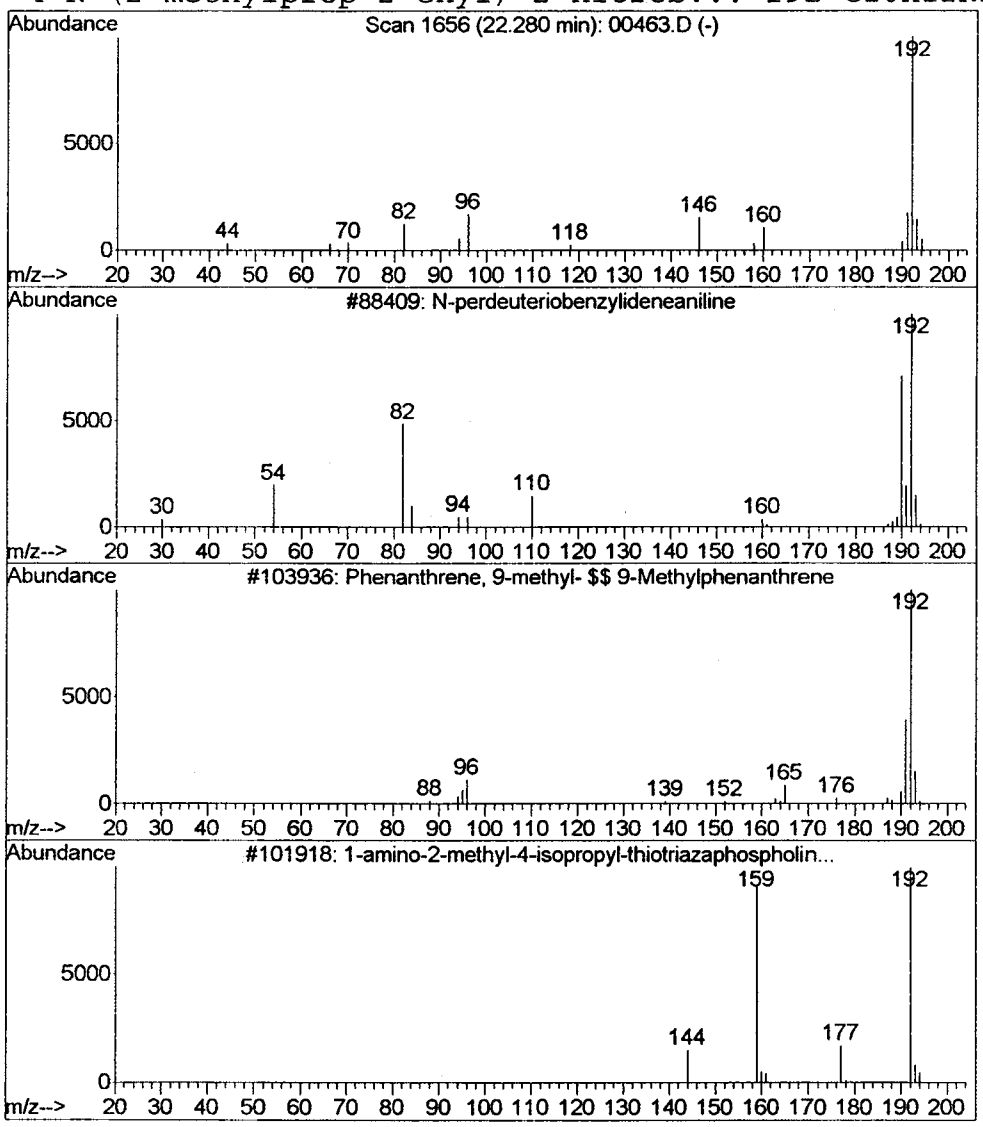
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

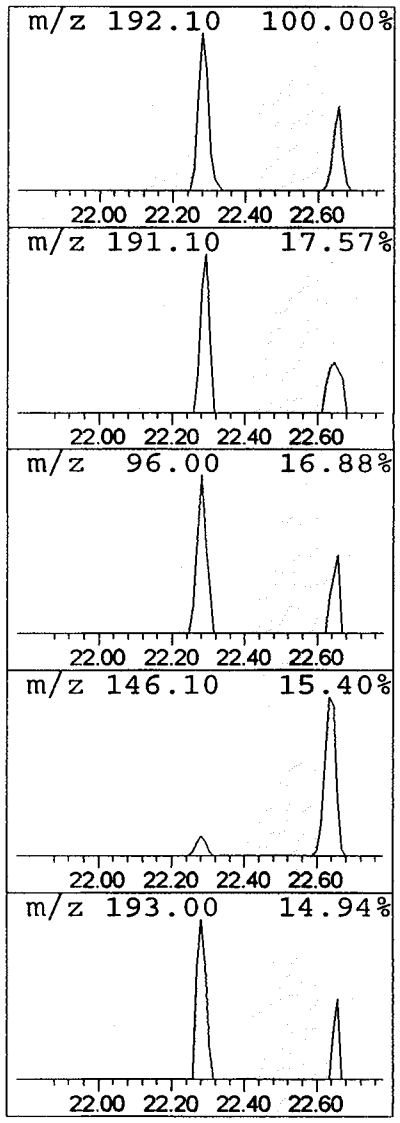
****

Peak Number 8 N-perdeuteriobenzylideneani... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.14 ug/L	76814	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-perdeuteriobenzylideneaniline	192	C13D11N	000538-51-2	64
2	Phenanthrene, 9-methyl- $$ 9-Met...	192	C15H12	000883-20-5	53
3	1-amino-2-methyl-4-isopropyl-thi...	192	C5H13N4PS	107264-54-0	50
4	N-(2-methylprop-2-enyl)-2-nitrob...	192	C10H12N2O2	000000-00-0	46





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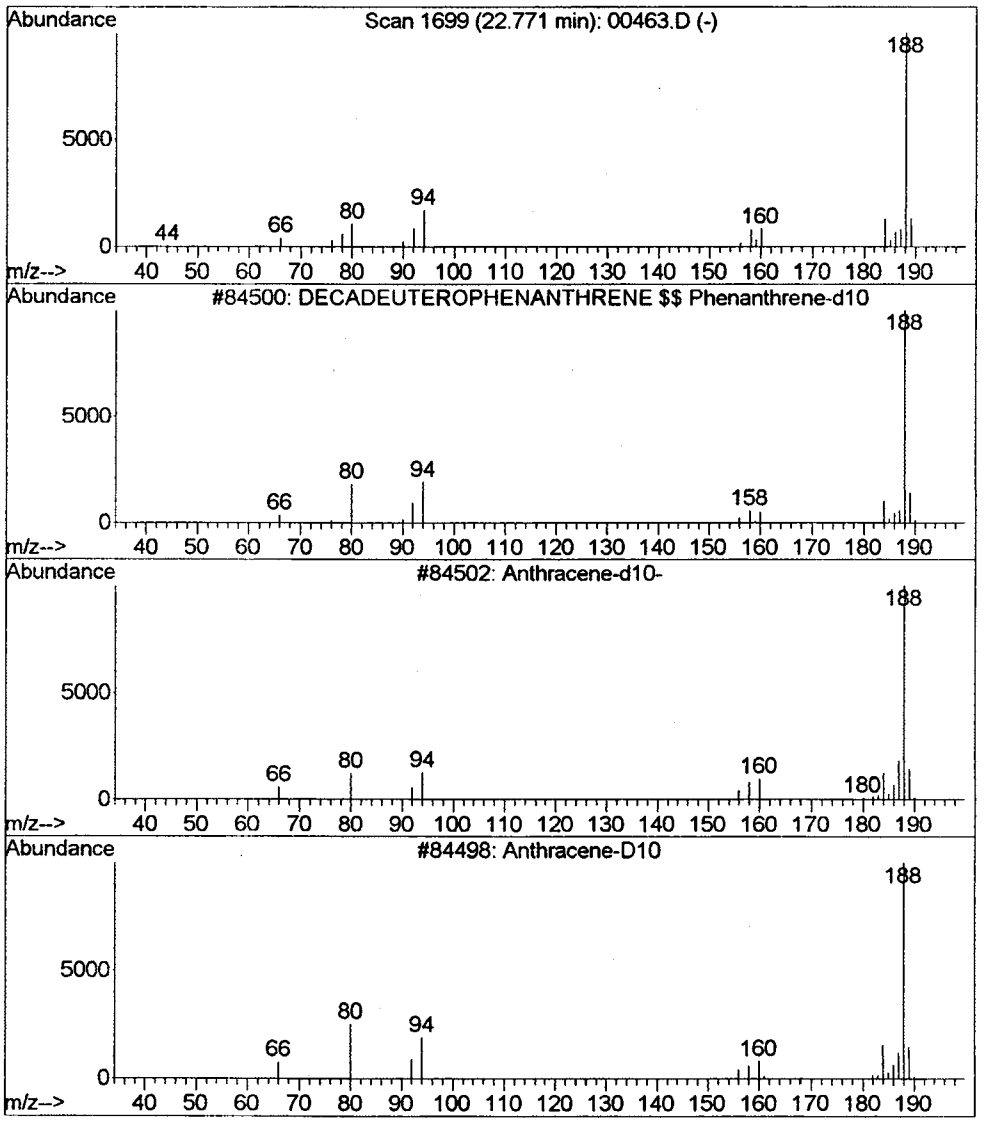
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

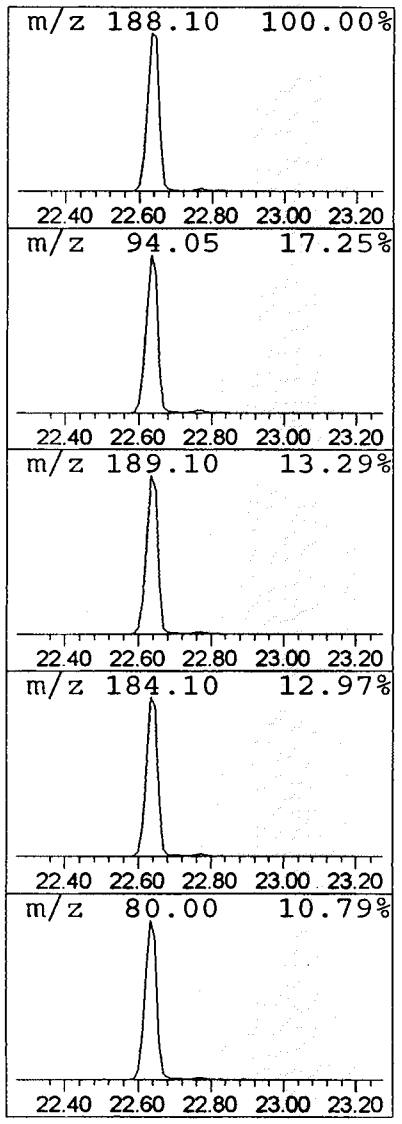
****

Peak Number 9 DECADEUTEROPHENANTHRENE $$ ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.28 ug/L	155189	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	93
2	Anthracene-d10-	188	C14D10	001719-06-8	91
3	Anthracene-D10	188	C14D10	000000-00-0	87
4	Phenanthrene-d10	188	C14D10	001517-22-2	87





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN11\00463.D Vial: 5
Acq On : 11 Jan 2002 5:25 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 11, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

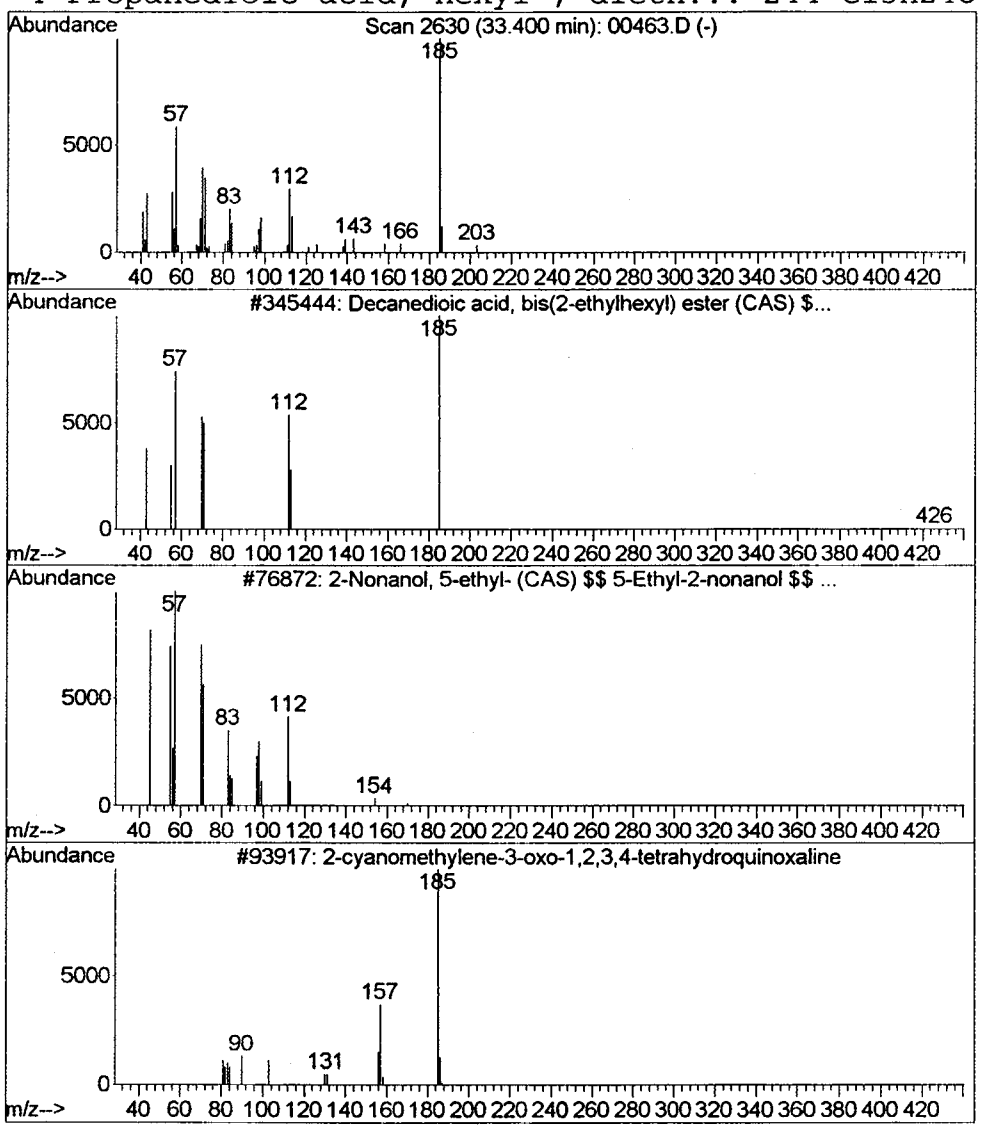
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

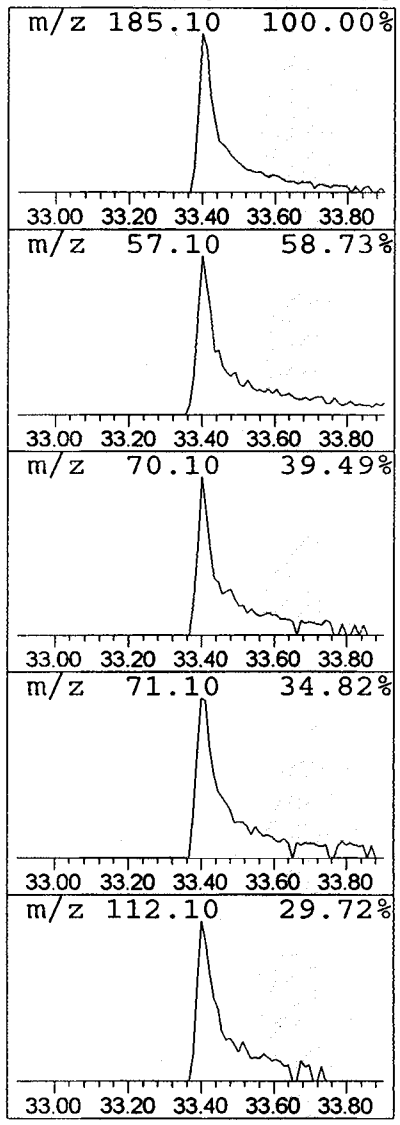
****

Peak Number 10 Decanedioic acid, bis(2-eth... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
33.40	0.93 ug/L	434753	Perylene-d12	34.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decanedioic acid, bis(2-ethylhex...	426	C26H50O4	000122-62-3	43
2	2-Nonanol, 5-ethyl- (CAS) $$ 5-E...	172	C11H24O	000103-08-2	43
3	2-cyanomethylene-3-oxo-1,2,3,4-t...	185	C10H7N3O	000000-00-0	40
4	Propanedioic acid, hexyl-, dieth...	244	C13H24O4	005398-10-7	35





Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 11 Jan 2002 5:25 pm
Data File: C:\MSDCHEM\1\5973N\02JAN11\00463.D
Name: 508 scan
Misc: January 11, 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-Butyne-1,4-diol...	4.85	0.1	ug/L	44770	1	9.72	6229230	20.0
3-Buten-2-ol, 2-m...	5.01	0.4	ug/L	110595	1	9.72	6229230	20.0
CIS-1-METHOXY-2-B...	5.70	0.2	ug/L	70724	1	9.72	6229230	20.0
Acetic acid, 3-[1...	5.89	5.1	ug/L	1586890	1	9.72	6229230	20.0
2-Butanol, 3,3'-o...	9.55	0.1	ug/L	33505	1	9.72	6229230	20.0
4-(Dimethylamino)...	9.64	0.1	ug/L	31452	1	9.72	6229230	20.0
2-Propanol, 1-(2-...	9.85	0.2	ug/L	64052	1	9.72	6229230	20.0
N-perdeuteriobenz...	22.28	0.1	ug/L	76814	4	22.63	11233900	20.0
DECADEUTEROPHENAN...	22.77	0.3	ug/L	155189	4	22.63	11233900	20.0
Decanedioic acid,...	33.40	0.9	ug/L	434753	6	34.42	9358570	20.0