User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/17/2002 Time: 14:56:38

Sample: AE00470
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/17/02 14:56 Ended: 1/17/02 14:56 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		98		5.0

Comments for Sample AE00470 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-17-2002 Time: 15:05:31

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 8 of the 43 compounds in the LCS Standard were above their acceptance ranges.

Data File : C:\MSDCHEM\1\5973N\02JAN15\00470.D Vial: 4
Acq On : 15 Jan 2002 12:42 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 15, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 15 15:51:49 2002 Quant Results File: SCAN508.RES

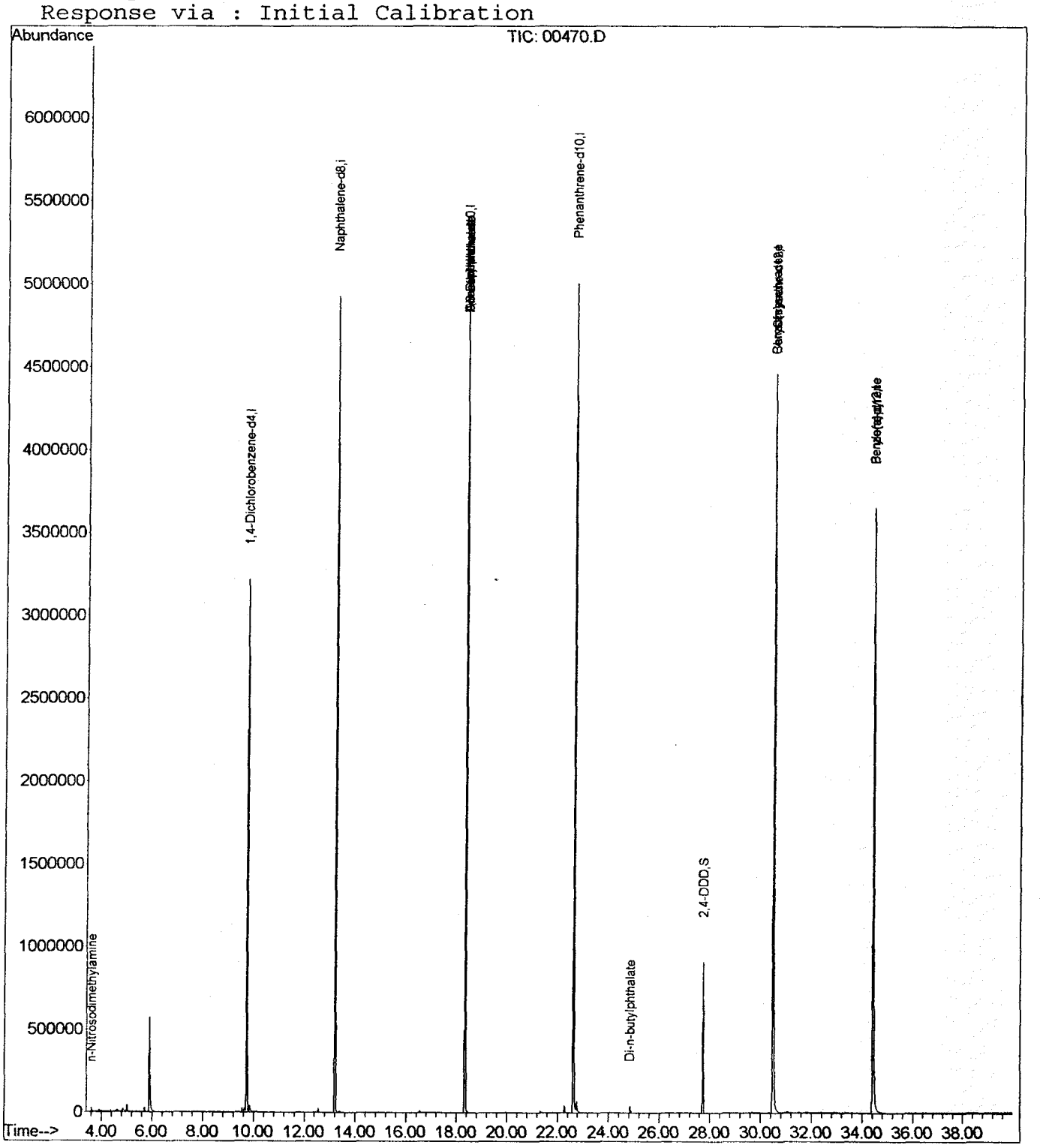
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Fri Jan 11 13:20:07 2002
Response via : Initial Calibration
DataAcq Meth : SCAN508

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.72	152	1141364	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	4854299	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	2566552	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.65	188	4241704	20.00	ug/L	-0.02
38) Chrysene-d12	30.50	240	3808659	20.00	ug/L	-0.01
44) Perylene-d12	34.42	264	2740294	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	328864	4.90	ug/L	0.00
Spiked Amount 5.000			Recovery = 98.00%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.60	74	9478	0.19	ug/L #	13
20) Dimethylphthalate	18.34	163	407628	2.40	ug/L #	56
21) 2,6-Dinitrotoluene	18.34	165	326985	9.89	ug/L #	17
35) Di-n-butylphthalate	24.85	149	48487	0.18	ug/L	94
41) Benzo(a)anthracene	30.49	228	9452	0.04	ug/L #	52
43) Chrysene	30.49	228	9452	0.04	ug/L #	49
48) Benzo(a)pyrene	34.42	252	9551	0.05	ug/L #	1

(#) = qualifier out of range (m) = manual integration
00470.D SCAN508.M Tue Jan 15 15:51:50 2002 Page 1

Data File : C:\MSDCHEM\1\5973N\02JAN15\00470.D Vial: 4
Acq On : 15 Jan 2002 12:42 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 15, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 15 15:51 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\02JAN15\00470.D Vial: 4
Acq On : 15 Jan 2002 12:42 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 15, 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

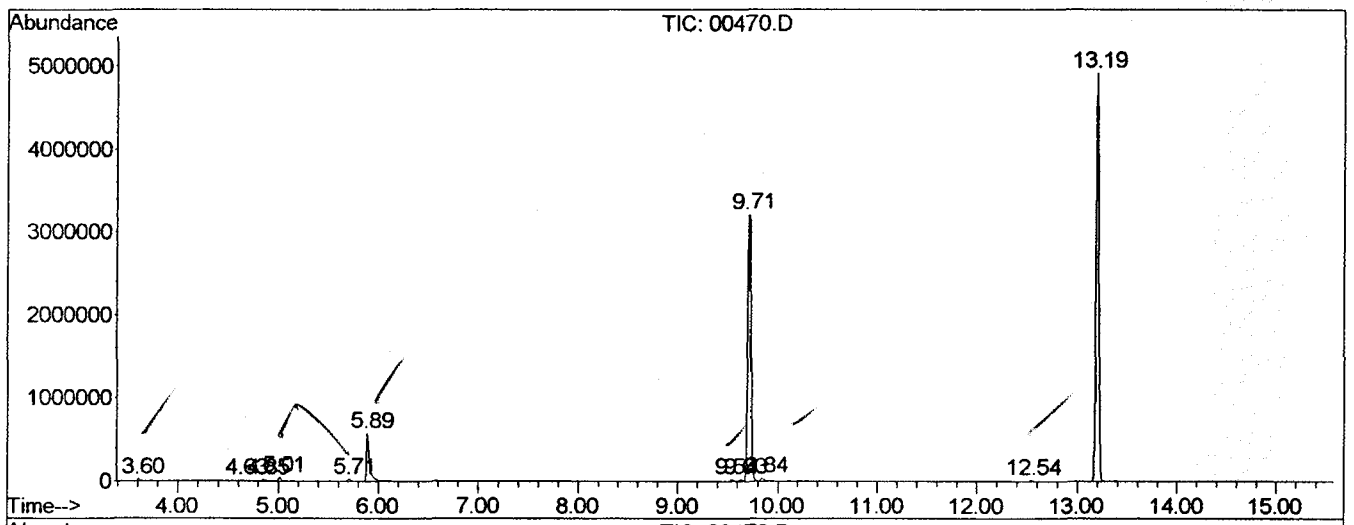
If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

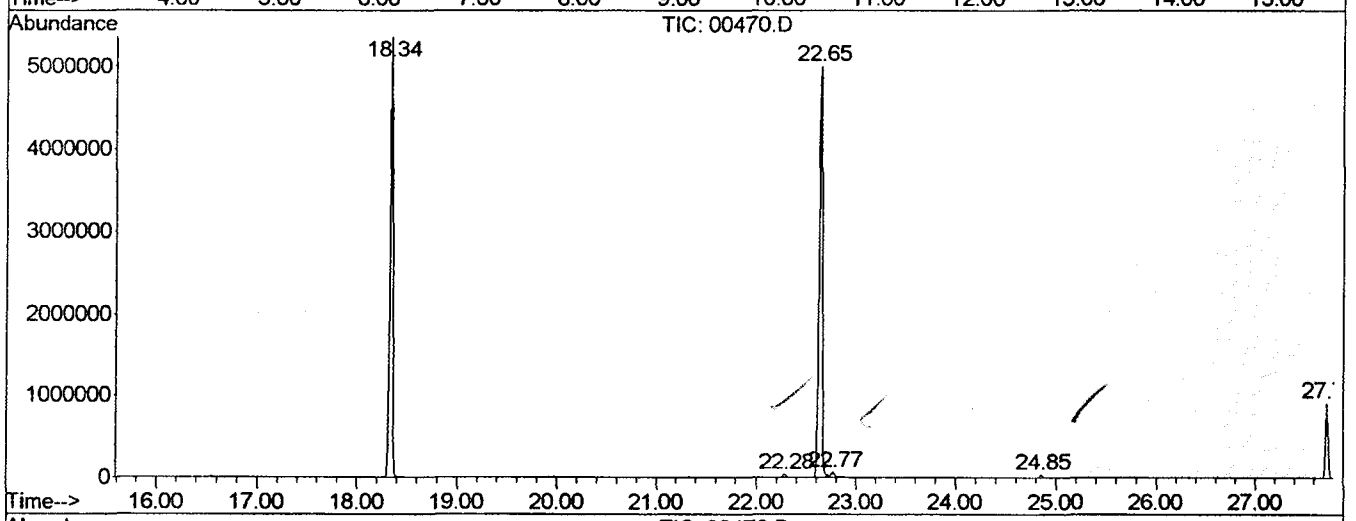
Signal : TIC

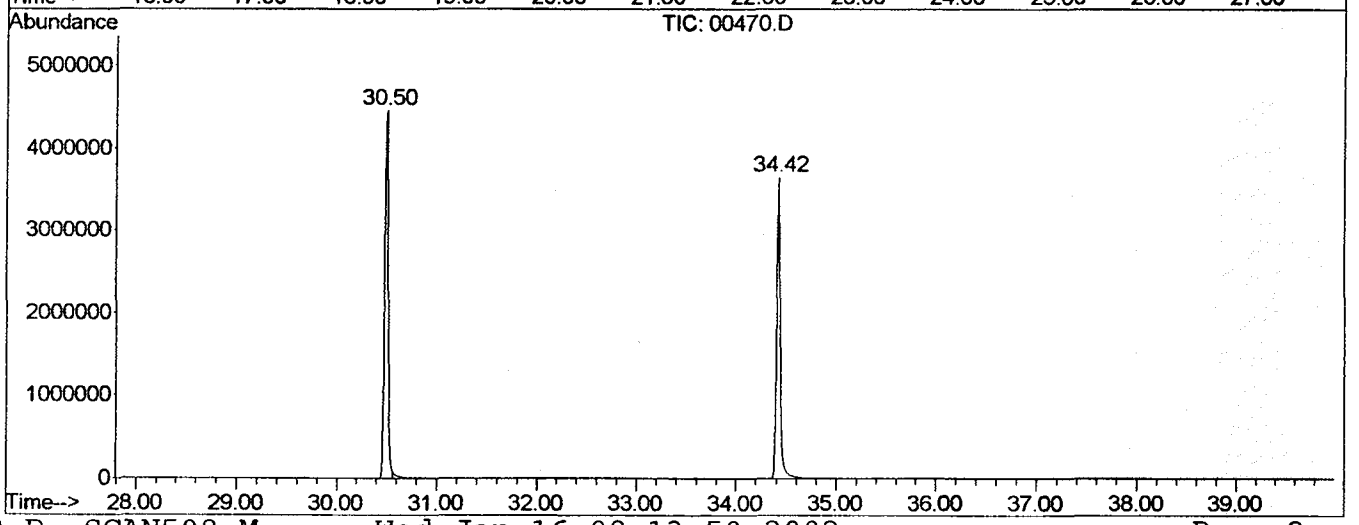
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.602	19	20	25	rBV3	27061	42732	0.38%	0.069%
2	4.630	103	110	119	rVB4	14079	38611	0.34%	0.063%
3	4.846	125	129	141	rVB4	17637	48009	0.42%	0.078%
4	5.006	141	143	151	rVB	43626	77600	0.69%	0.126%
5	5.714	201	205	209	rVV	27472	51308	0.45%	0.083%
6	5.885	217	220	243	rVB	572758	1223101	10.83%	1.989%
7	9.539	537	540	545	rBV3	21651	51034	0.45%	0.083%
8	9.630	545	548	551	rVV	25708	52690	0.47%	0.086%
9	9.710	551	555	561	rVV	3217420	6493529	57.47%	10.561%
10	9.836	561	566	577	rVB	39922	113277	1.00%	0.184%
11	12.541	799	803	807	rVV	21705	33503	0.30%	0.054%
12	13.192	855	860	865	rBV	4924013	9336113	82.63%	15.184%
13	18.341	1305	1311	1315	rBV	5362737	10389698	91.96%	16.897%
14	22.280	1653	1656	1661	rBV2	43980	80076	0.71%	0.130%
15	22.645	1681	1688	1693	rBV	5003555	11298413	100.00%	18.375%
16	22.771	1695	1699	1713	rVB	65667	185472	1.64%	0.302%
17	24.849	1877	1881	1887	rVB	40674	75274	0.67%	0.122%
18	27.726	2129	2133	2139	rBV	911847	1585500	14.03%	2.579%
19	30.500	2369	2376	2381	rBV	4460616	11069057	97.97%	18.002%
20	34.416	2713	2719	2737	rBV	3646545	9242965	81.81%	15.032%

Sum of corrected areas: 61487962

File : C:\MSDCHEM\1\5973N\02JAN15\00470.D
Operator :
Acquired : 15 Jan 2002 12:42 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : January 15, 2002
Vial Number: 4
Quant File :SCAN508.RES (RTE Integrator)







Data File : C:\MSDCHEM\1\5973N\02JAN15\00470.D Vial: 4
Acq On : 15 Jan 2002 12:42 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 15, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

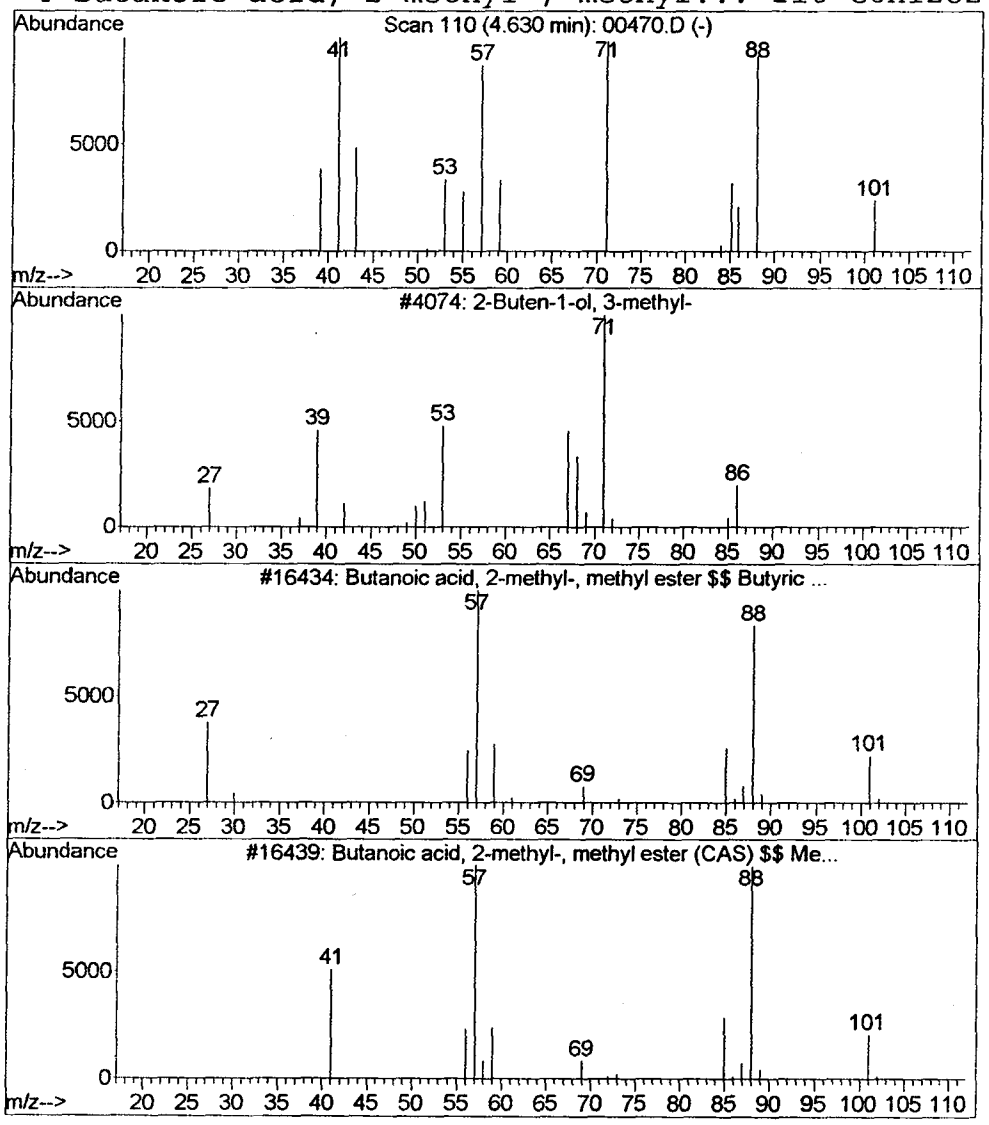
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

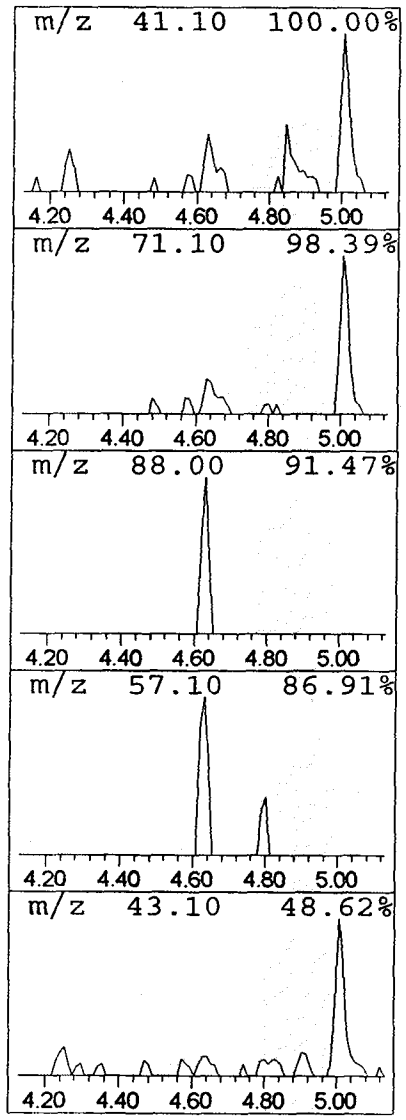
****

Peak Number 1 2-Buten-1-ol, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.63	0.12 ug/L	38611	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Buten-1-ol, 3-methyl-	86	C5H10O	000556-82-1	38
2	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	38
3	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	23
4	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	23





Data File : C:\MSDCHEM\1\5973N\02JAN15\00470.D Vial: 4
Acq On : 15 Jan 2002 12:42 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 15, 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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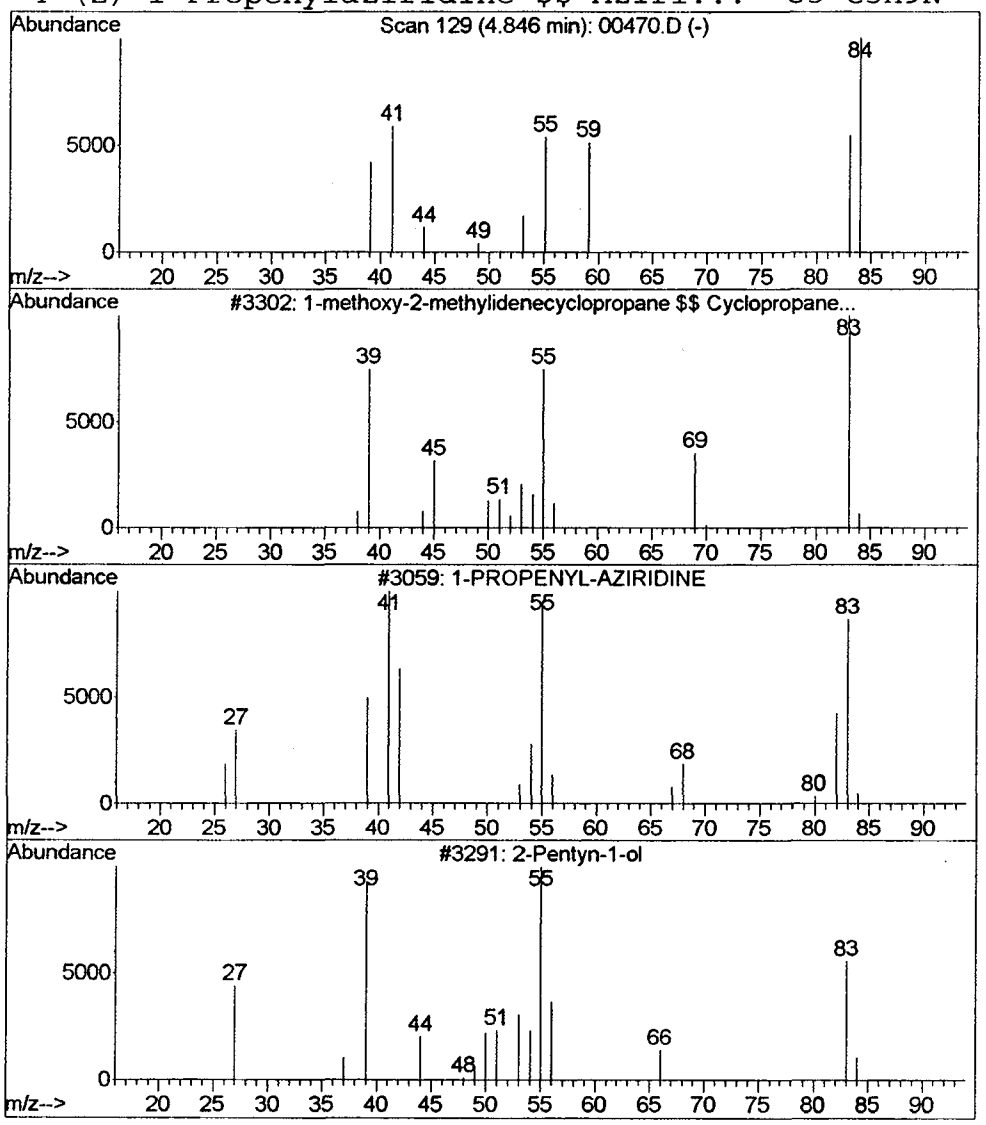
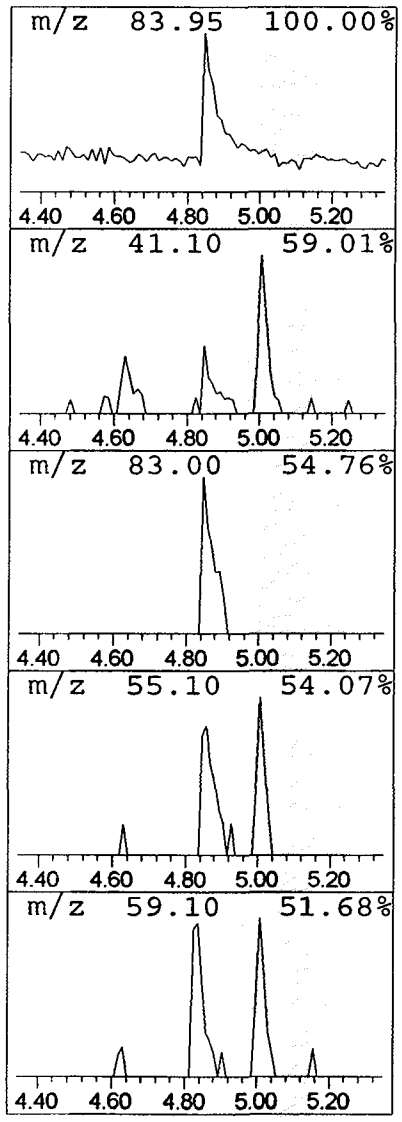
Peak Number 2 1-methoxy-2-methylidenecycl... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	0.15 ug/L	48009	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-methoxy-2-methylidenecycloprop...	84	C5H8O	019750-15-3	17
2	1-PROPENYL-AZIRIDINE	83	C5H9N	000000-00-0	16
3	2-Pentyn-1-ol	84	C5H8O	006261-22-9	10
4	(Z)-1-Propenylaziridine $$ Aziri...	83	C5H9N	024461-38-9	7





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Data File : C:\MSDCHEM\1\5973N\02JAN15\00470.D          Vial: 4
Acq On    : 15 Jan 2002  12:42 pm                    Operator:
Sample    : 508 scan                                 Inst    : Instrumen
Misc      : January 15, 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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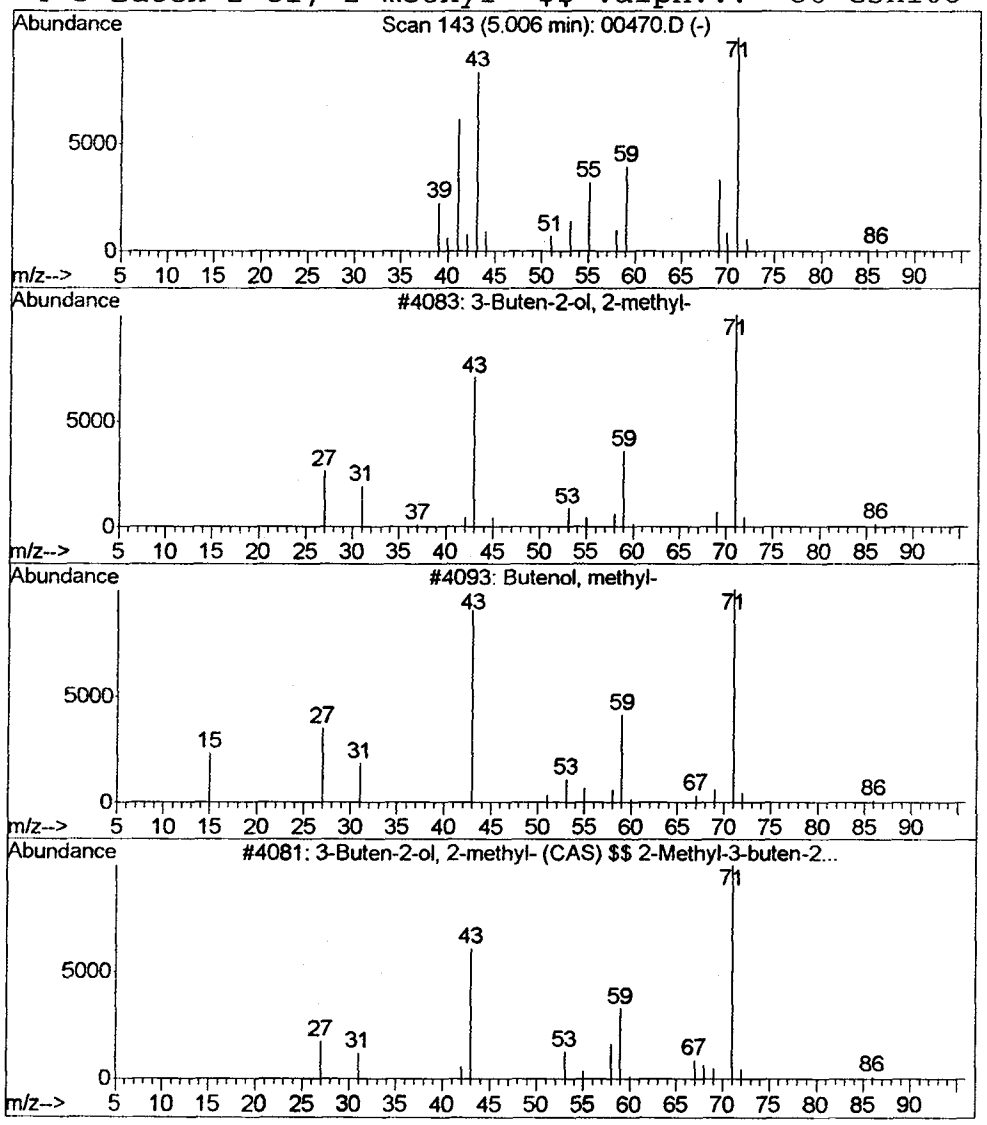
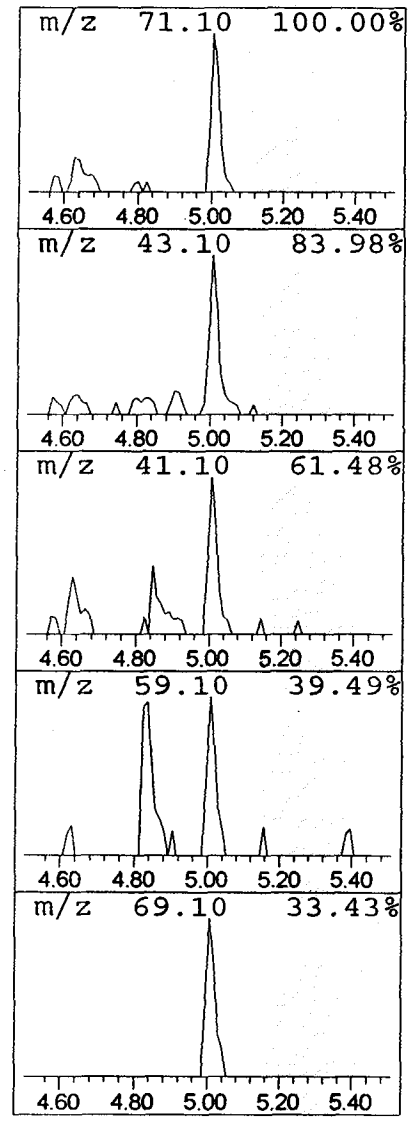
Peak Number 3 3-Buten-2-ol, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	0.24 ug/L	77600	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	86
2	Butenol, methyl-	86	C5H10O	060766-00-9	86
3	3-Buten-2-ol, 2-methyl- (CAS) $$...	86	C5H10O	000115-18-4	72
4	3-Buten-2-ol, 2-methyl- $$ .alph...	86	C5H10O	000115-18-4	72





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Data File : C:\MSDCHEM\1\5973N\02JAN15\00470.D          Vial: 4
Acq On    : 15 Jan 2002  12:42 pm                    Operator:
Sample    : 508 scan                                 Inst    : Instrumen
Misc      : January 15, 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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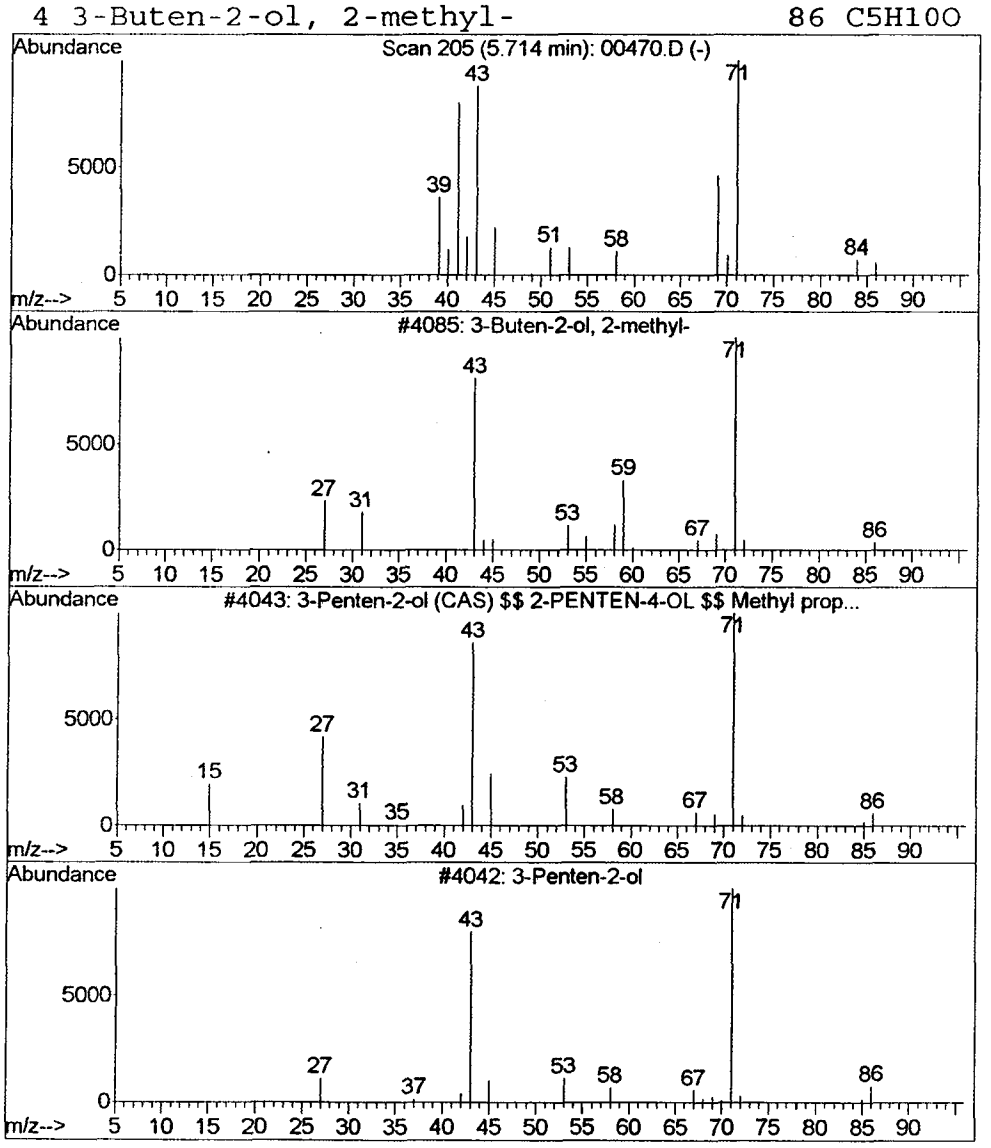
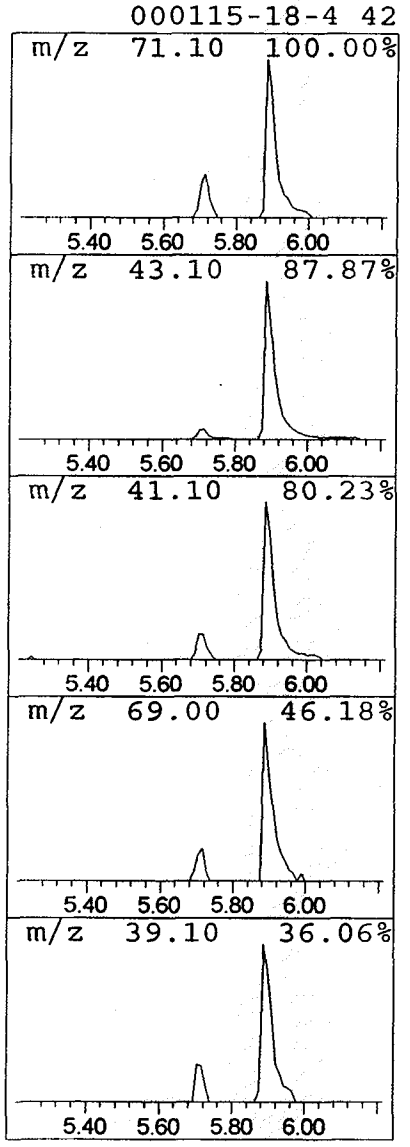
Peak Number 4 3-Buten-2-ol, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.71	0.16 ug/L	51308	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	59
2	3-Penten-2-ol (CAS) $$ 2-PENTEN-...	86	C5H10O	001569-50-2	45
3	3-Penten-2-ol	86	C5H10O	001569-50-2	42
4	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	42





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Data File : C:\MSDCHEM\1\5973N\02JAN15\00470.D          Vial: 4
Acq On    : 15 Jan 2002  12:42 pm                    Operator:
Sample    : 508 scan                                 Inst    : Instrumen
Misc      : January 15, 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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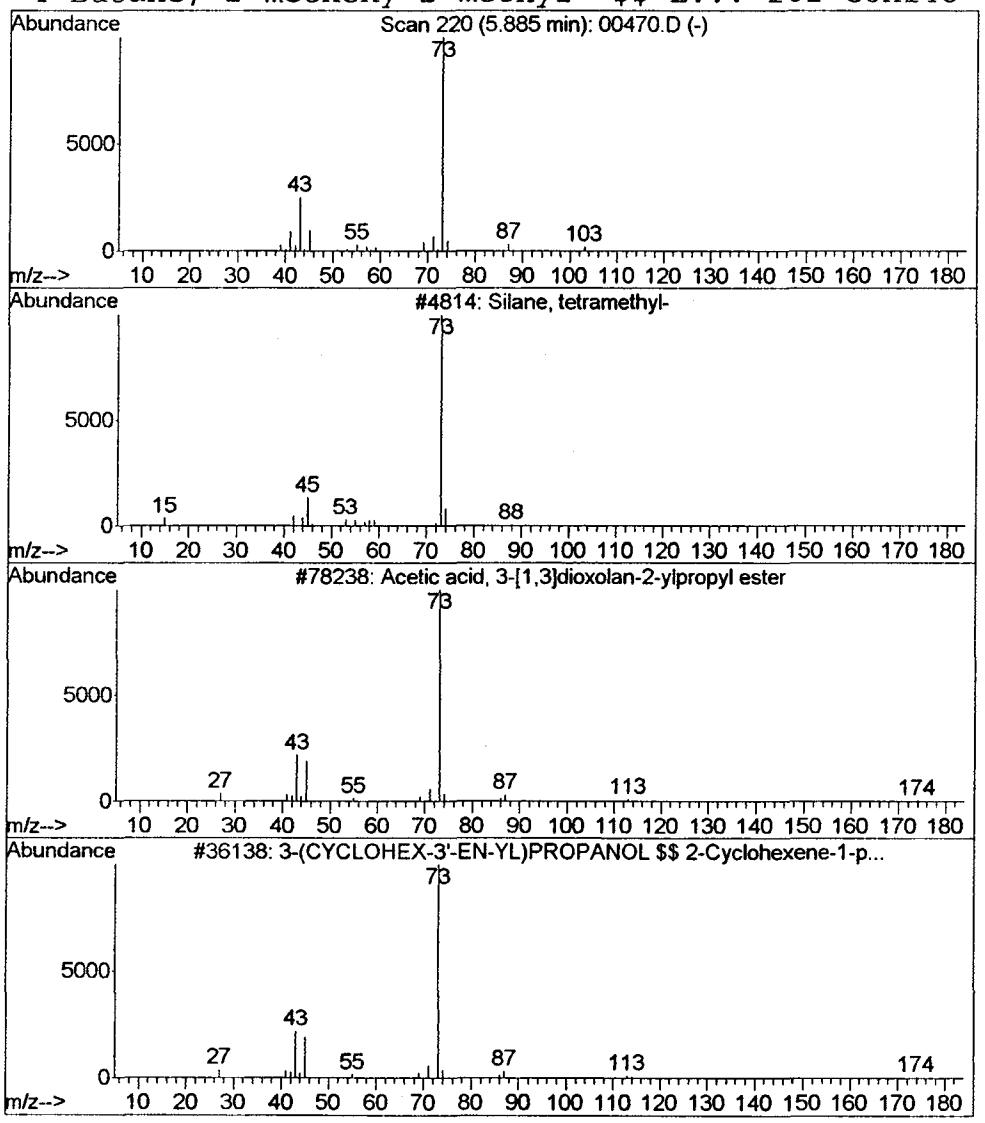
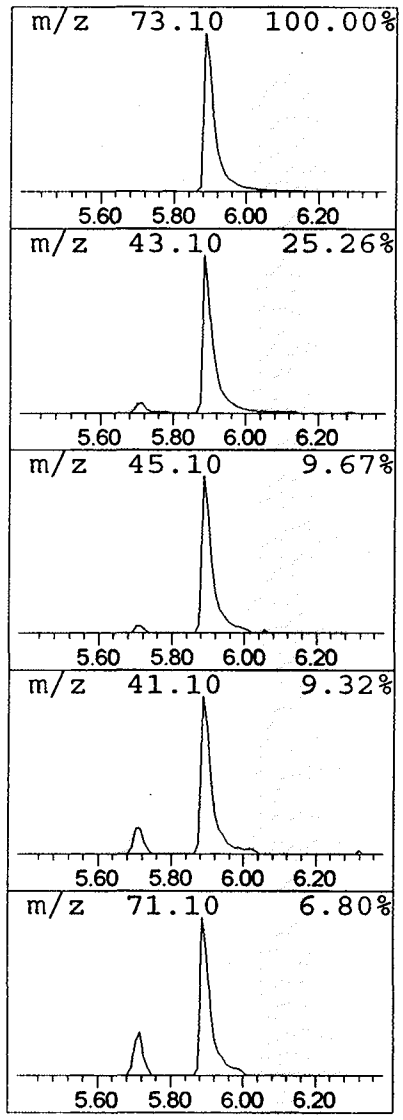
****

Peak Number 5 Silane, tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	3.77 ug/L	1223100	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
2	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	33
3	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	33
4	Butane, 2-methoxy-2-methyl- $$ E...	102	C6H14O	000994-05-8	28





Data File : C:\MSDCHEM\1\5973N\02JAN15\00470.D Vial: 4
Acq On : 15 Jan 2002 12:42 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 15, 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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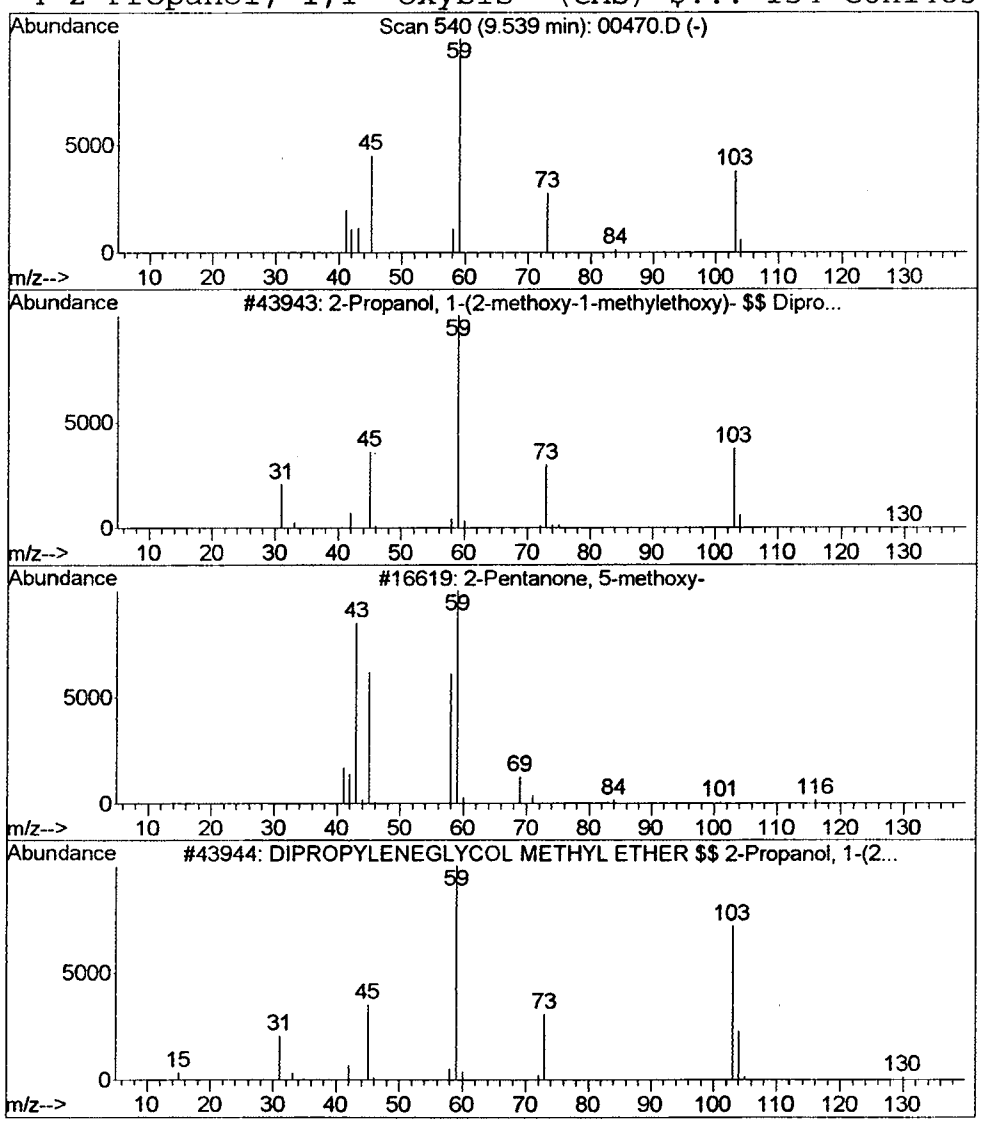
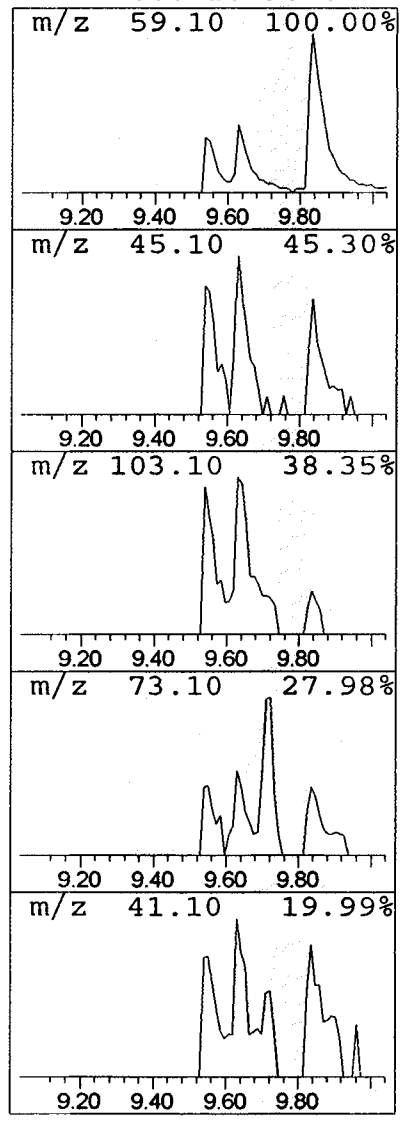
Peak Number 6 2-Propanol, 1-(2-methoxy-1-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	0.16 ug/L	51034	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxy-1-methy...	148	C7H16O3	020324-32-7	83
2	2-Pentanone, 5-methoxy-	116	C6H12O2	017429-04-8	9
3	DIPROPYLENEGLYCOL METHYL ETHER $...	148	C7H16O3	020324-32-7	9
4	2-Propanol, 1,1'-oxybis- (CAS) $...	134	C6H14O3	000110-98-5	9





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Data File : C:\MSDCHEM\1\5973N\02JAN15\00470.D          Vial: 4
Acq On    : 15 Jan 2002  12:42 pm                    Operator:
Sample    : 508 scan                                 Inst    : Instrumen
Misc      : January 15, 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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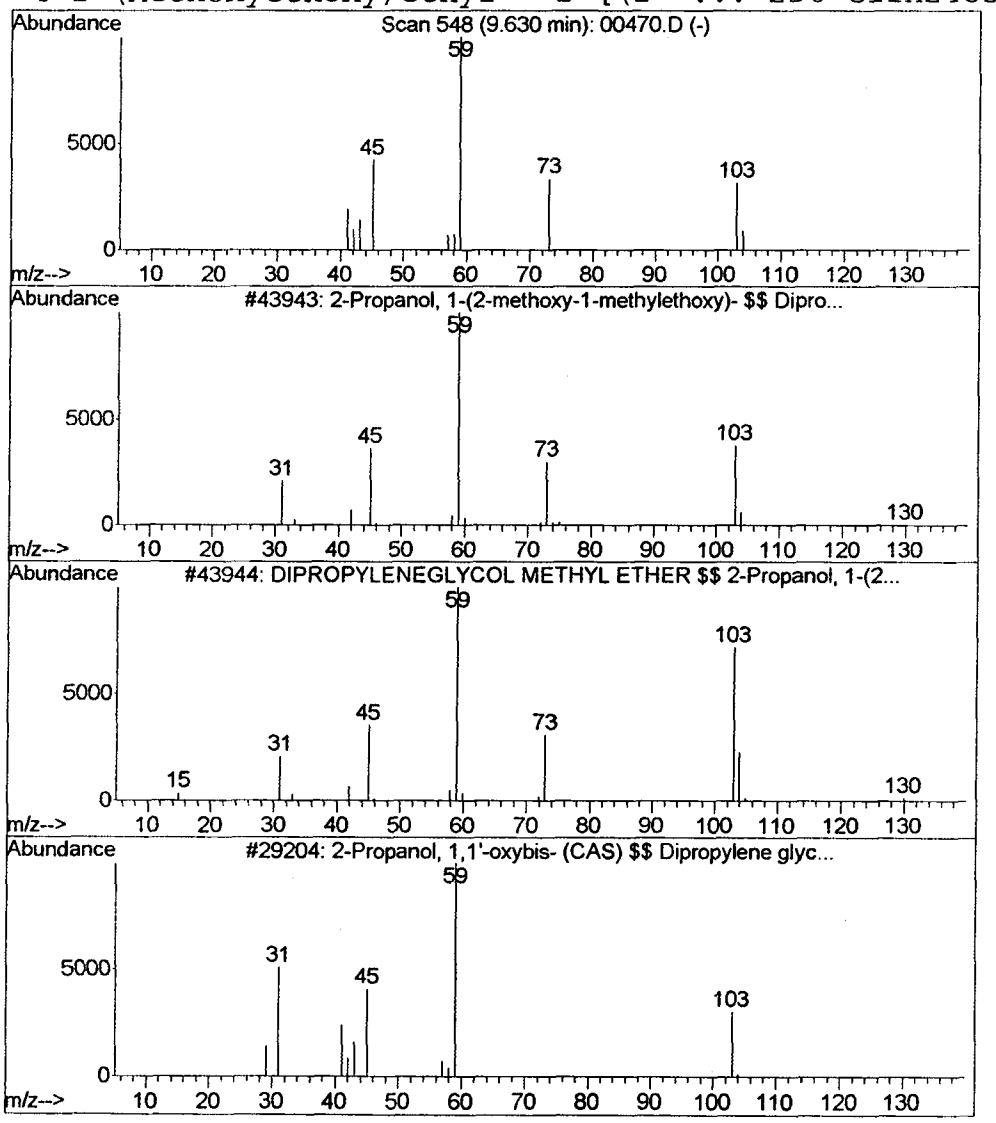
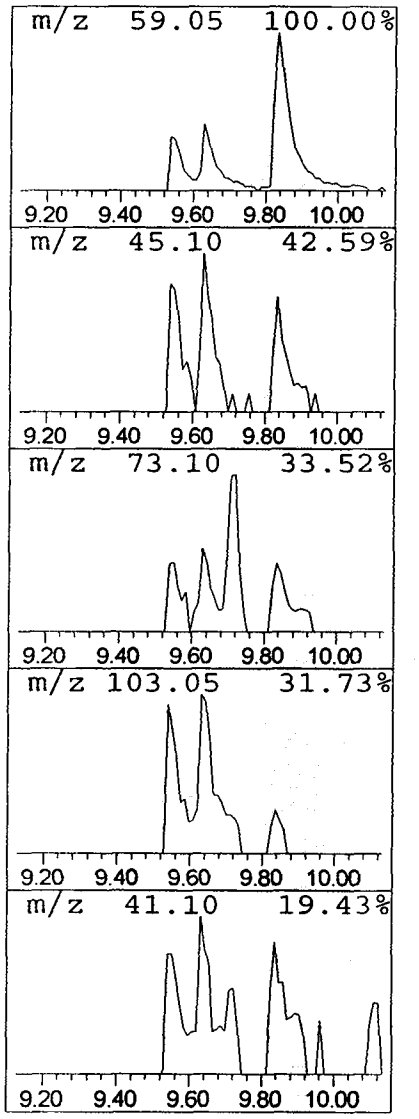
Peak Number 7 2-Propanol, 1-(2-methoxy-1-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	0.16 ug/L	52690	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxy-1-methy...	148	C7H16O3	020324-32-7	83
2	DIPROPYLENEGLYCOL METHYL ETHER $...	148	C7H16O3	020324-32-7	74
3	2-Propanol, 1,1'-oxybis- (CAS) $...	134	C6H14O3	000110-98-5	72
4	2-(Methoxyethoxy)ethyl 2-[(2'-...	236	C11H24O5	000000-00-0	40





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Data File : C:\MSDCHEM\1\5973N\02JAN15\00470.D          Vial: 4
Acq On    : 15 Jan 2002  12:42 pm                    Operator:
Sample    : 508 scan                                 Inst    : Instrumen
Misc      : January 15, 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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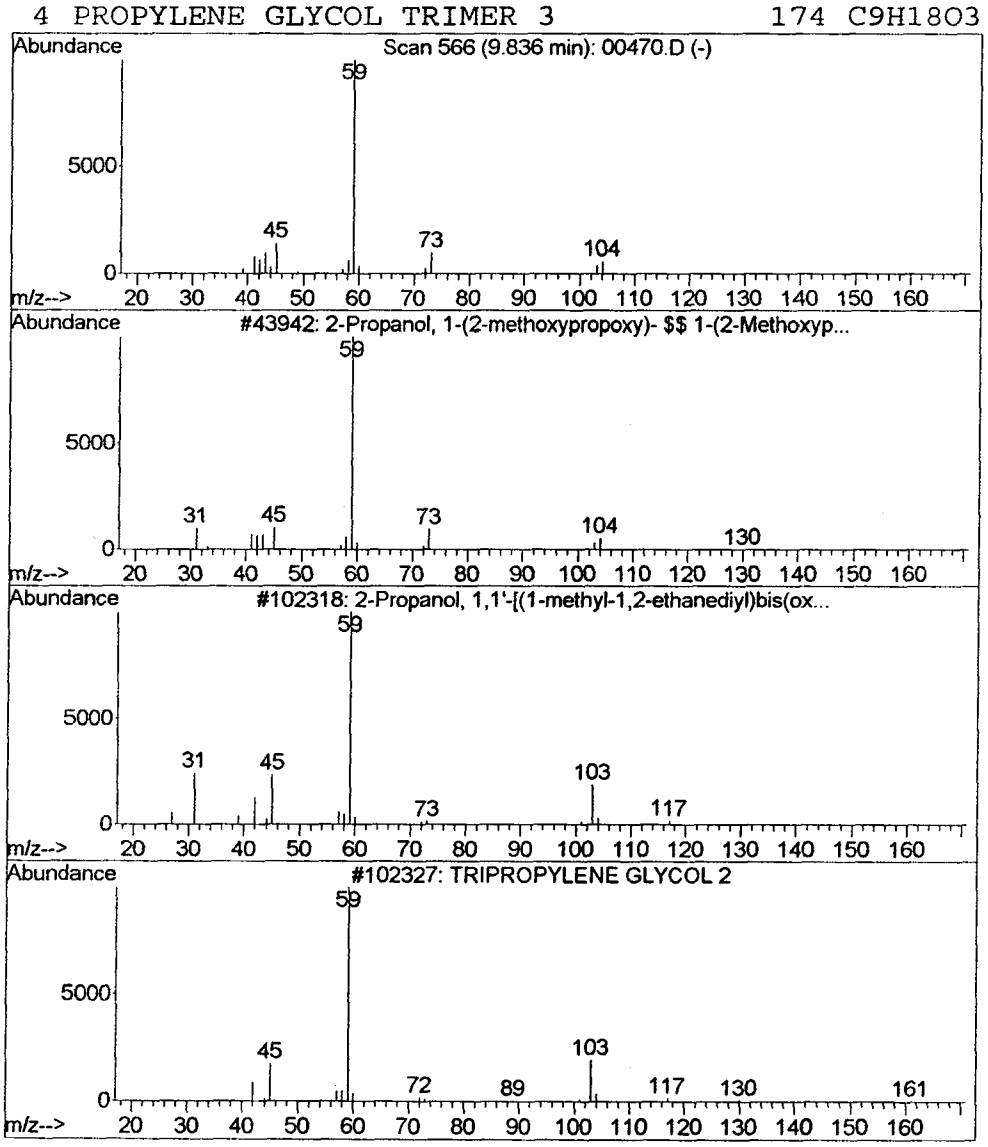
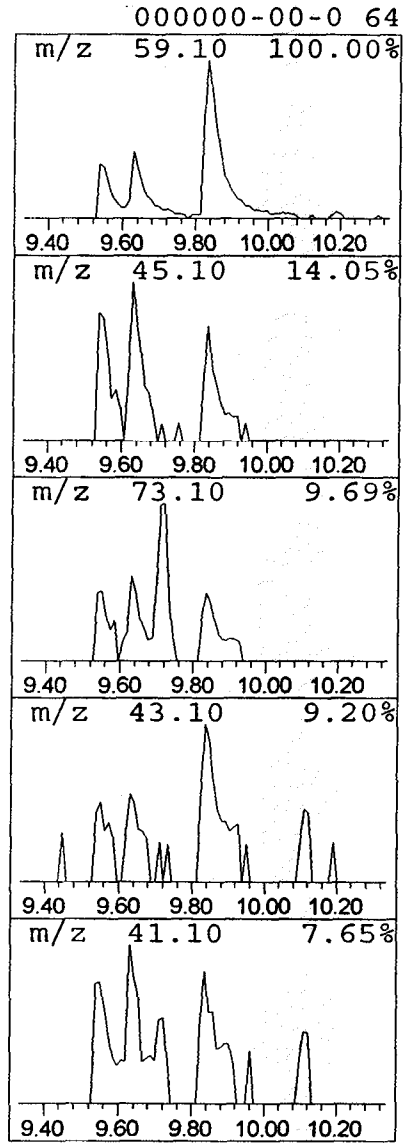
Peak Number 8 2-Propanol, 1-(2-methoxypro... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.84	0.35 ug/L	113277	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	83
2	2-Propanol, 1,1'-[(1-methyl-1,2-...	192	C9H20O4	001638-16-0	72
3	TRIPROPYLENE GLYCOL 2	192	C9H20O4	000000-00-0	72
4	PROPYLENE GLYCOL TRIMER 3	174	C9H18O3	000000-00-0	64





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Data File : C:\MSDCHEM\1\5973N\02JAN15\00470.D          Vial: 4
Acq On    : 15 Jan 2002  12:42 pm                    Operator:
Sample    : 508 scan                                 Inst    : Instrumen
Misc      : January 15, 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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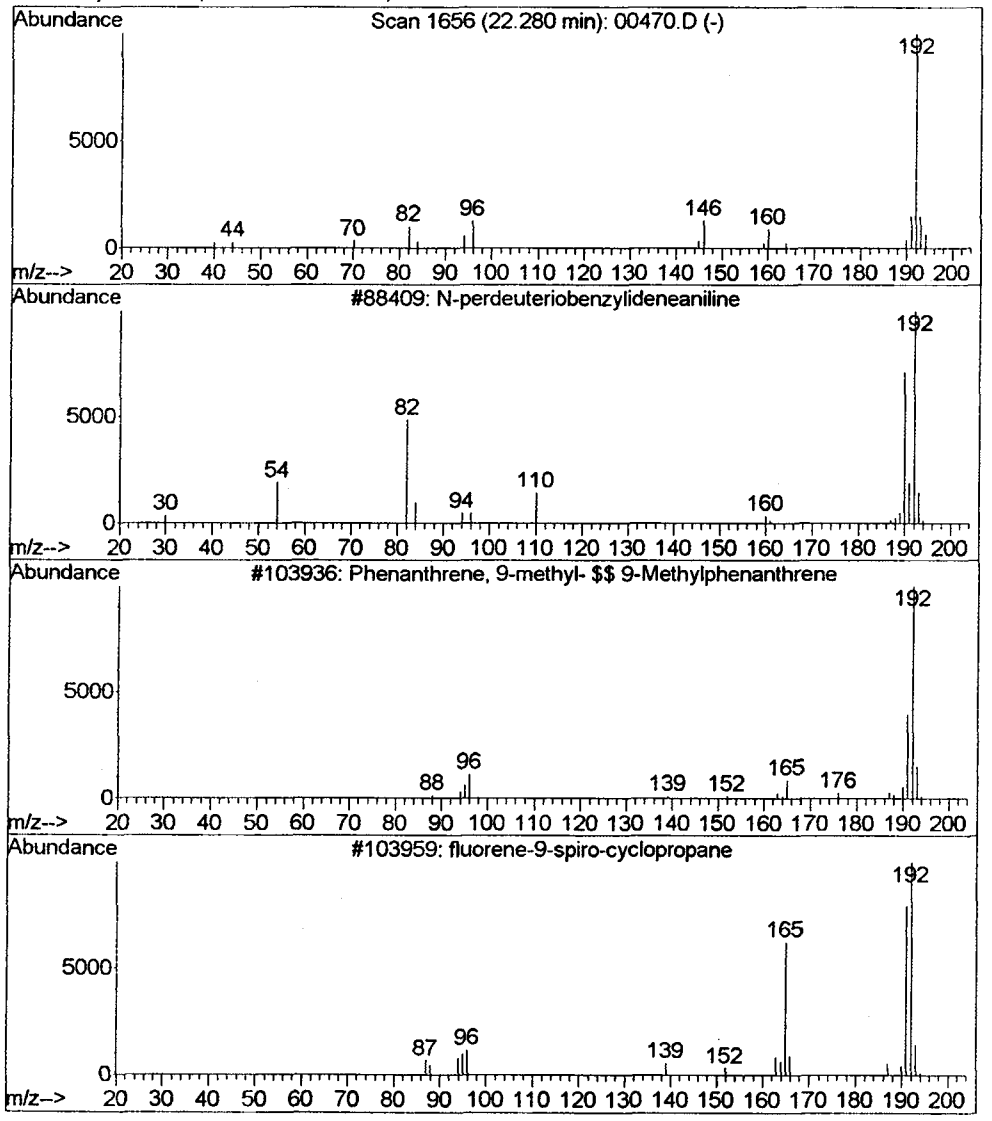
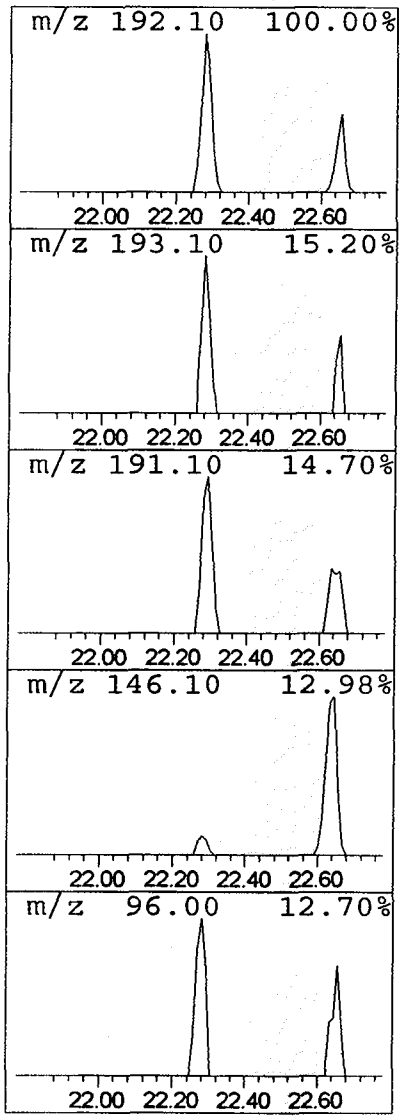
Peak Number 9 N-perdeuteriobenzylideneani... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.14 ug/L	80076	Phenanthrene-d10	22.65

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	59
3	fluorene-9-spiro-cyclopropane	192	C15H12	000000-00-0	53
4	1,2-DI(3-THIENYL)ETHENE	192	C10H8S2	013640-84-1	53





Data File : C:\MSDCHEM\1\5973N\02JAN15\00470.D Vial: 4
Acq On : 15 Jan 2002 12:42 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 15, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

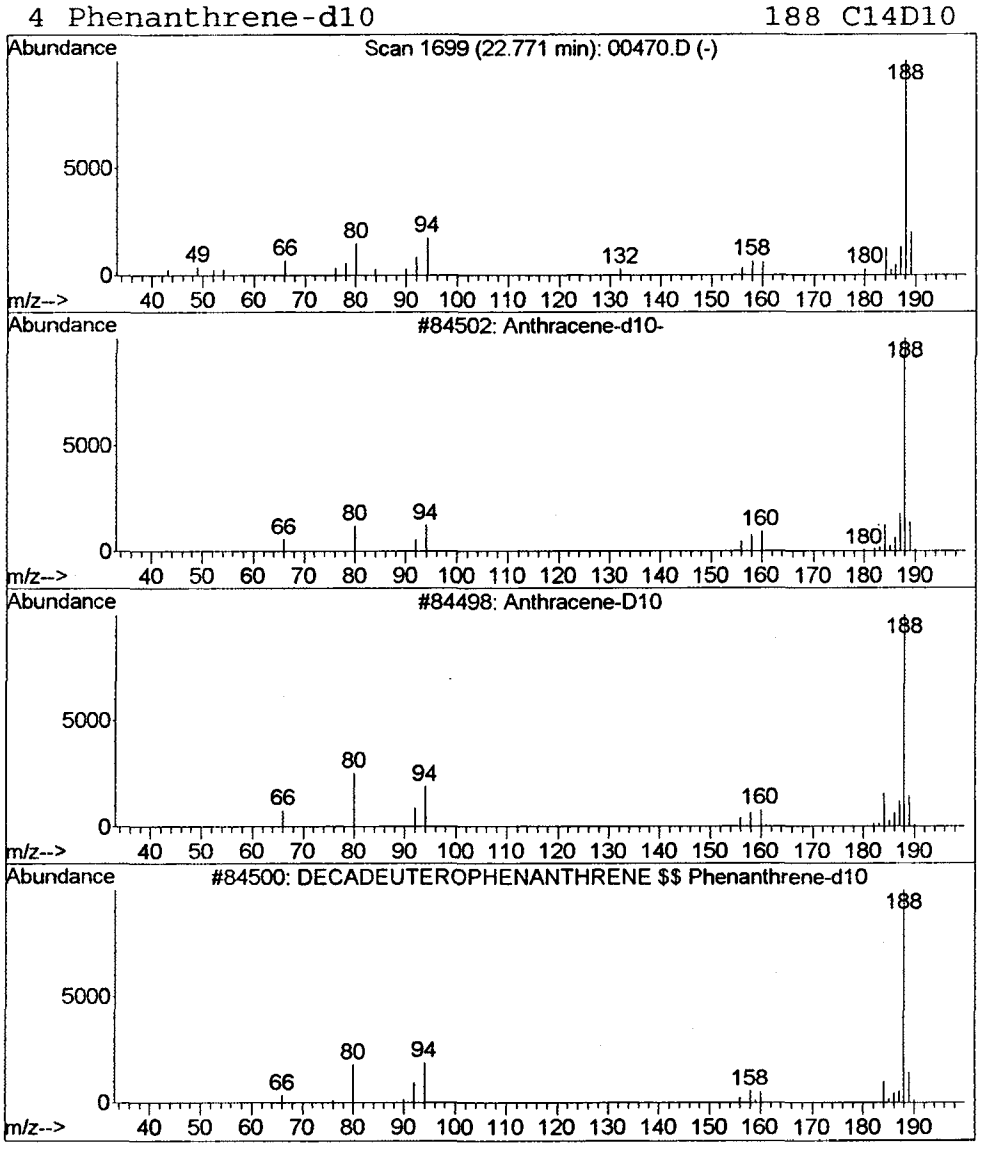
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

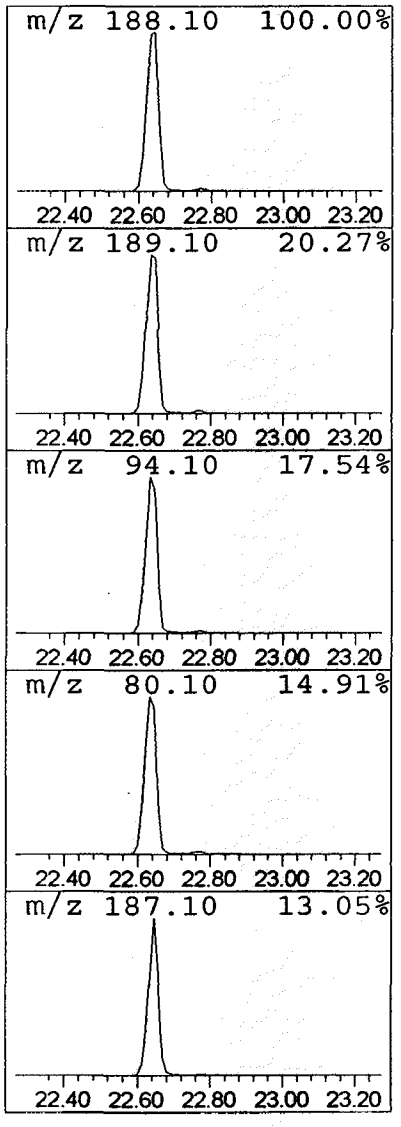
****

Peak Number 10 Anthracene-d10- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.33 ug/L	185472	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	90
2	Anthracene-D10	188	C14D10	000000-00-0	90
3	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	87
4	Phenanthrene-d10	188	C14D10	001517-22-2	64





Operator ID: Date Acquired: 15 Jan 2002 12:42 pm
Data File: C:\MSDCHEM\1\5973N\02JAN15\00470.D
Name: 508 scan
Misc: January 15, 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-Buten-1-ol, 3-m...	4.63	0.1	ug/L	38611	1	9.72	6493530	20.0
1-methoxy-2-methy...	4.85	0.1	ug/L	48009	1	9.72	6493530	20.0
3-Buten-2-ol, 2-m...	5.01	0.2	ug/L	77600	1	9.72	6493530	20.0
3-Buten-2-ol, 2-m...	5.71	0.2	ug/L	51308	1	9.72	6493530	20.0
Silane, tetramethyl-	5.89	3.8	ug/L	1223100	1	9.72	6493530	20.0
2-Propanol, 1-(2-...	9.54	0.2	ug/L	51034	1	9.72	6493530	20.0
2-Propanol, 1-(2-...	9.63	0.2	ug/L	52690	1	9.72	6493530	20.0
2-Propanol, 1-(2-...	9.84	0.3	ug/L	113277	1	9.72	6493530	20.0
N-perdeuteriobenz...	22.28	0.1	ug/L	80076	4	22.65	11298400	20.0
Anthracene-d10-	22.77	0.3	ug/L	185472	4	22.65	11298400	20.0