User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/29/2002 Time: 11:53:52

Sample: AE00738
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/29/02 11:53 Ended: 1/29/02 11:53 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		99		5.0

Comments for Sample AE00738 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-29-2002 Time: 11:54:25

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\00738.D Vial: 6
Acq On : 16 Jan 2002 7:17 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 17 08:12:24 2002 Quant Results File: SCAN508.RES

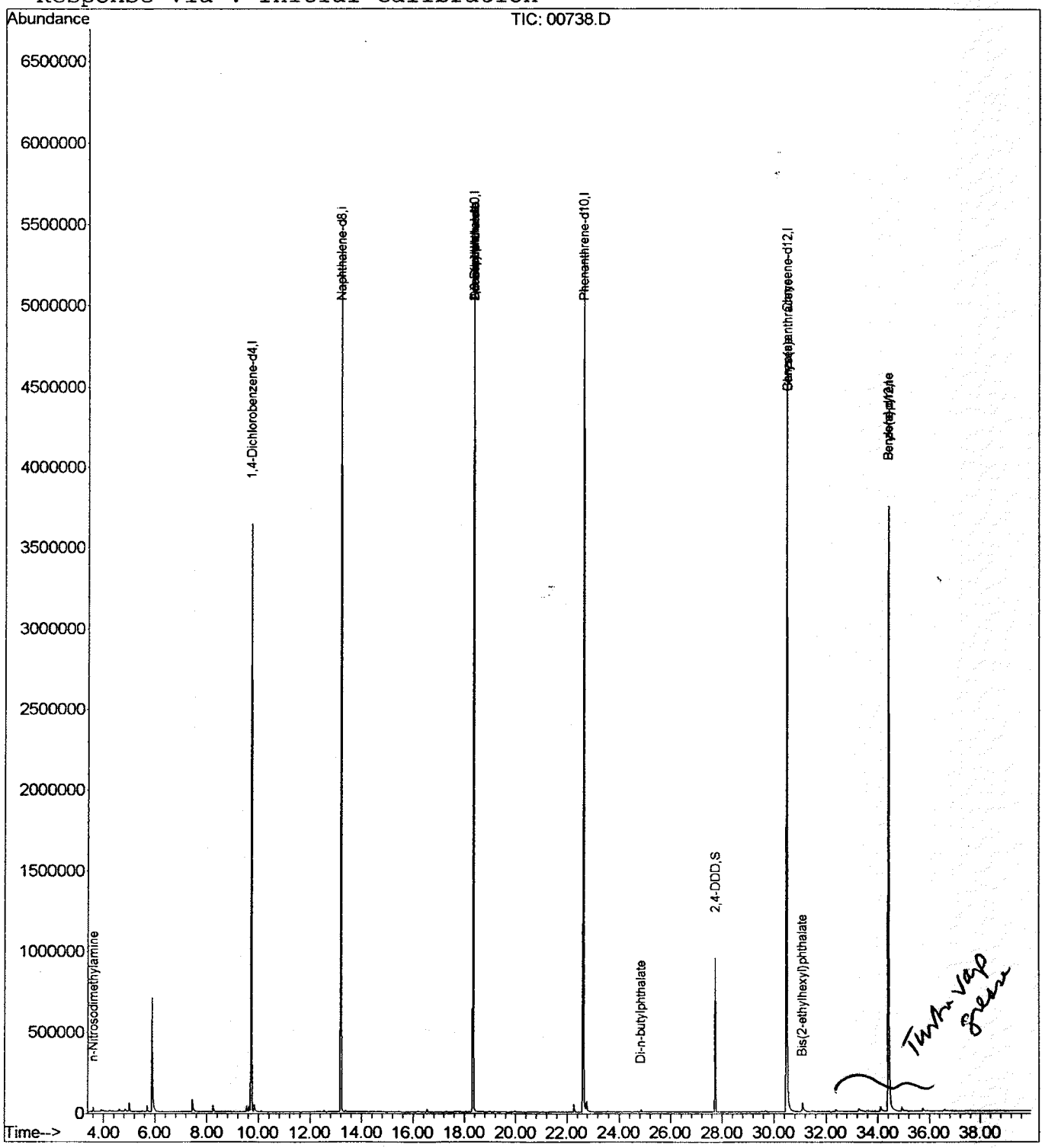
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Fri Jan 11 13:20:07 2002
Response via : Initial Calibration
DataAcq Meth : SCAN508

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.71	152	1230856	20.00	ug/L	-0.01
10) Naphthalene-d8	13.19	136	5272900	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	2715862	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.63	188	4498243	20.00	ug/L	-0.03
38) Chrysene-d12	30.49	240	3907074	20.00	ug/L	-0.02
44) Perylene-d12	34.42	264	2865920	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	351706	4.95	ug/L	0.00
Spiked Amount 5.000			Recovery = 99.00%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.60	74	9451	0.18	ug/L #	15
20) Dimethylphthalate	18.34	163	441680	2.46	ug/L #	56
21) 2,6-Dinitrotoluene	18.34	165	343073	9.81	ug/L #	17
35) Di-n-butylphthalate	24.85	149	18646	0.06	ug/L	98
41) Benzo(a)anthracene	30.50	228	8982	0.04	ug/L #	61
42) Bis(2-ethylhexyl)phthalate	31.11	149	65756	0.89	ug/L	98
43) Chrysene	30.50	228	8982	0.04	ug/L #	59
48) Benzo(a)pyrene	34.42	252	9688	0.05	ug/L #	1

(#) = qualifier out of range (m) = manual integration
00738.D SCAN508.M Thu Jan 17 08:12:25 2002 Page 1

Data File : C:\MSDCHEM\1\5973N\02JAN16\00738.D Vial: 6
Acq On : 16 Jan 2002 7:17 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\00738.D Vial: 6
Acq On : 16 Jan 2002 7:17 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

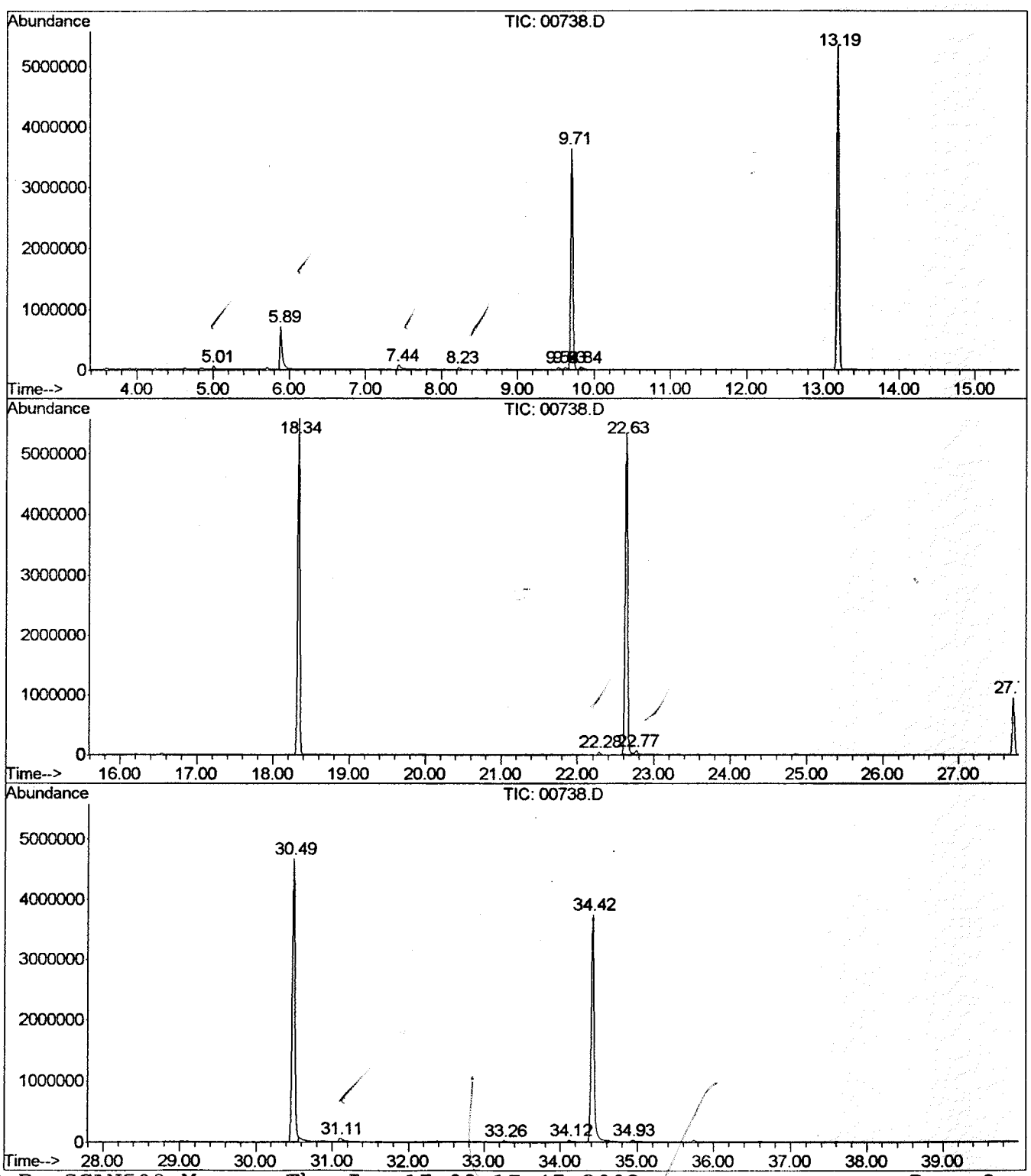
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.006	139	143	147	rBV	52235	94703	0.80%	0.144%
2	5.885	217	220	249	rVB	707713	1515441	12.79%	2.309%
3	7.438	351	356	367	rBV	76063	216050	1.82%	0.329%
4	8.226	421	425	435	rVB	38666	97433	0.82%	0.148%
5	9.539	537	540	545	rBV	37481	79848	0.67%	0.122%
6	9.630	545	548	551	rVV	38253	79272	0.67%	0.121%
7	9.710	551	555	561	rVV	3636893	6988552	58.97%	10.649%
8	9.836	561	566	575	rVB	40373	107220	0.90%	0.163%
9	13.192	855	860	865	rBV	5349079	10097764	85.20%	15.386%
10	18.341	1305	1311	1315	rBV	5575628	11017026	92.96%	16.787%
11	22.280	1653	1656	1663	rVB2	47718	90421	0.76%	0.138%
12	22.634	1681	1687	1693	rBV2	5324665	11851221	100.00%	18.058%
13	22.771	1693	1699	1707	rVB	63916	187026	1.58%	0.285%
14	27.726	2129	2133	2137	rBV	950075	1702505	14.37%	2.594%
15	30.489	2369	2375	2381	rBV2	4664096	11379384	96.02%	17.339%
16	31.105	2425	2429	2445	rVB	56499	207798	1.75%	0.317%
17	33.263	2613	2618	2625	rVV5	19584	67283	0.57%	0.103%
18	34.119	2689	2693	2703	rBV2	29377	115310	0.97%	0.176%
19	34.416	2713	2719	2753	rVB	3744725	9638291	81.33%	14.686%
20	34.930	2761	2764	2777	rBV	25388	96347	0.81%	0.147%

Sum of corrected areas: 65628895

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02JAN16\00738.D
Operator :
Acquired : 16 Jan 2002 7:17 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508scan
Misc Info : January 16, 2002
Vial Number: 6
Quant File :SCAN508.RES (RTE Integrator)



Data File : C:\MSDCHEM\1\5973N\02JAN16\00738.D Vial: 6
Acq On : 16 Jan 2002 7:17 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

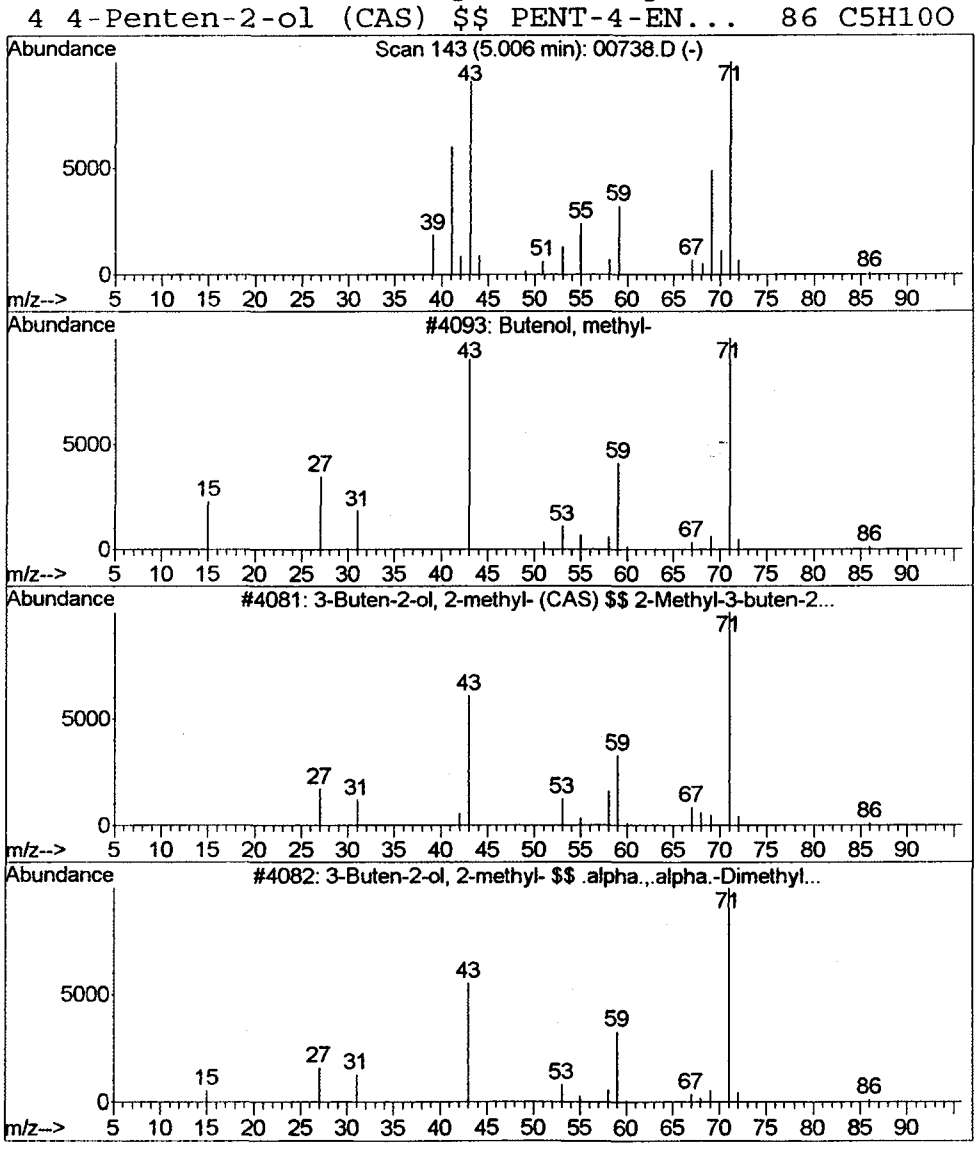
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

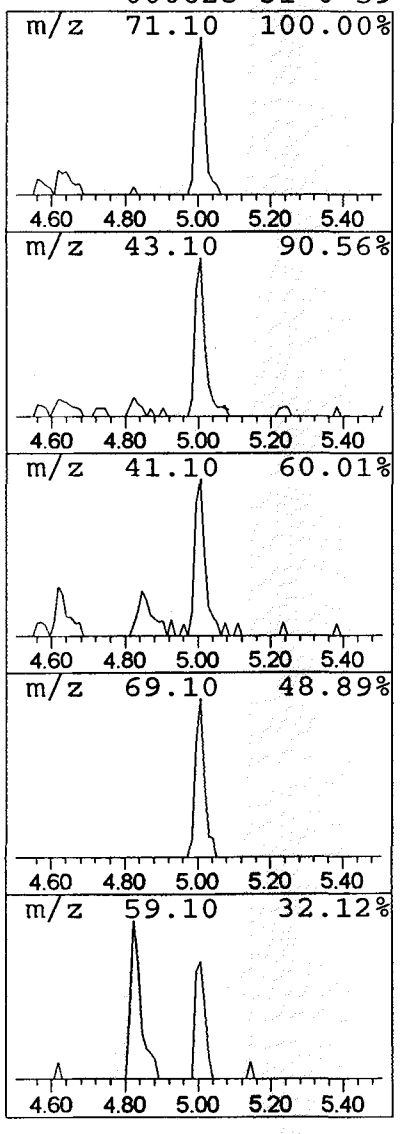
****

Peak Number 1 Butenol, methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	0.27 ug/L	94703	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butenol, methyl-	86	C5H10O	060766-00-9	80
2	3-Buten-2-ol, 2-methyl- (CAS) $$...	86	C5H10O	000115-18-4	72
3	3-Buten-2-ol, 2-methyl- $$ .alph...	86	C5H10O	000115-18-4	64
4	4-Penten-2-ol (CAS) $$ PENT-4-EN...	86	C5H10O	000625-31-0	59





Data File : C:\MSDCHEM\1\5973N\02JAN16\00738.D Vial: 6
Acq On : 16 Jan 2002 7:17 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

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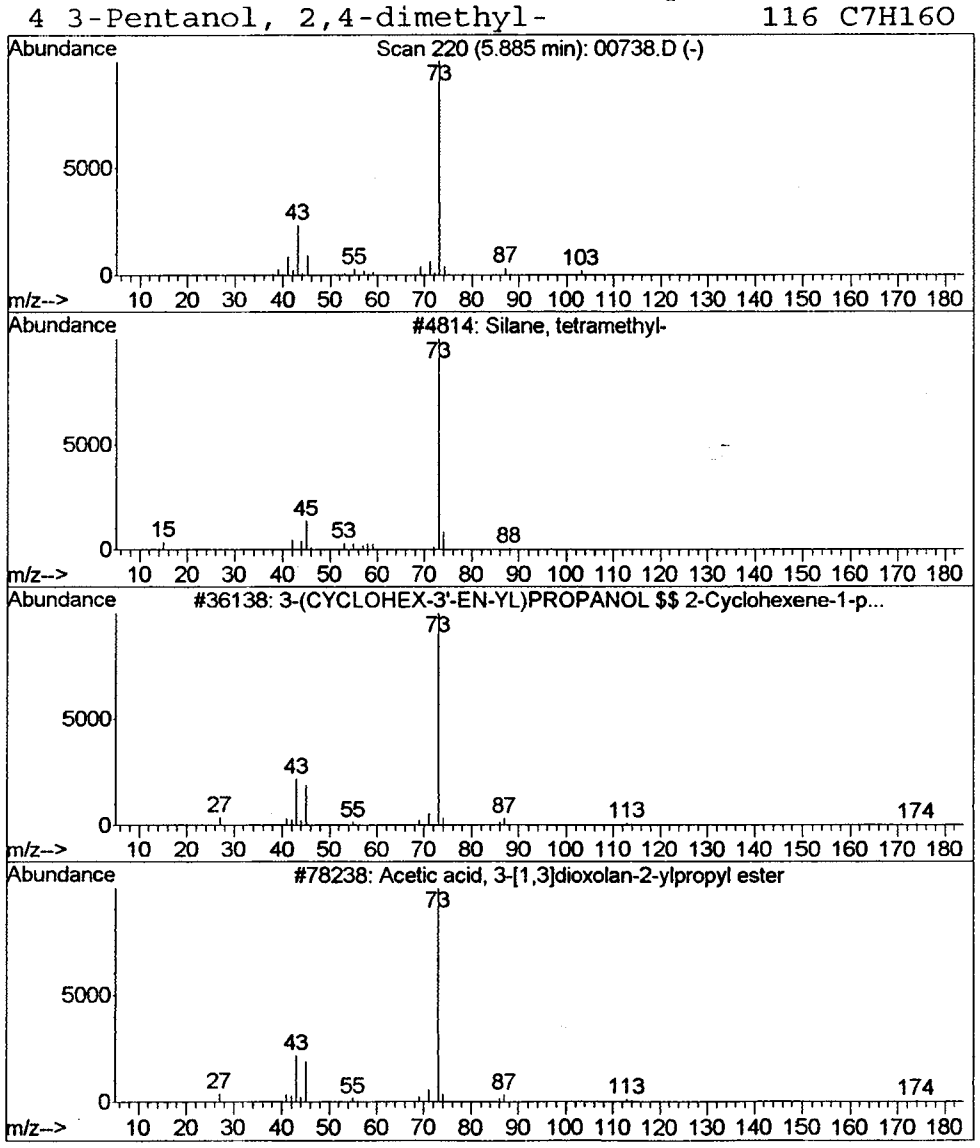
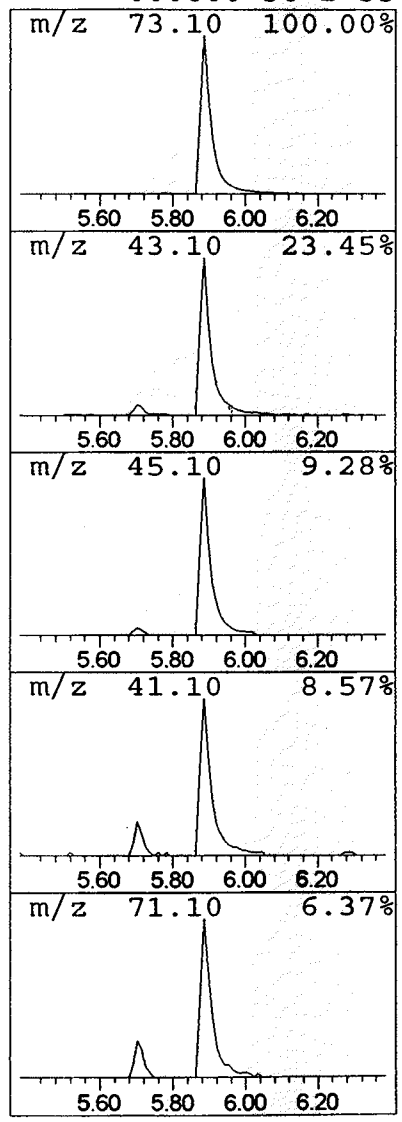
Peak Number 2 Silane, tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	4.34 ug/L	1515440	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, tetramethyl-	88	C4H12Si	000075-76-3	37
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	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	33





Data File : C:\MSDCHEM\1\5973N\02JAN16\00738.D Vial: 6
Acq On : 16 Jan 2002 7:17 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

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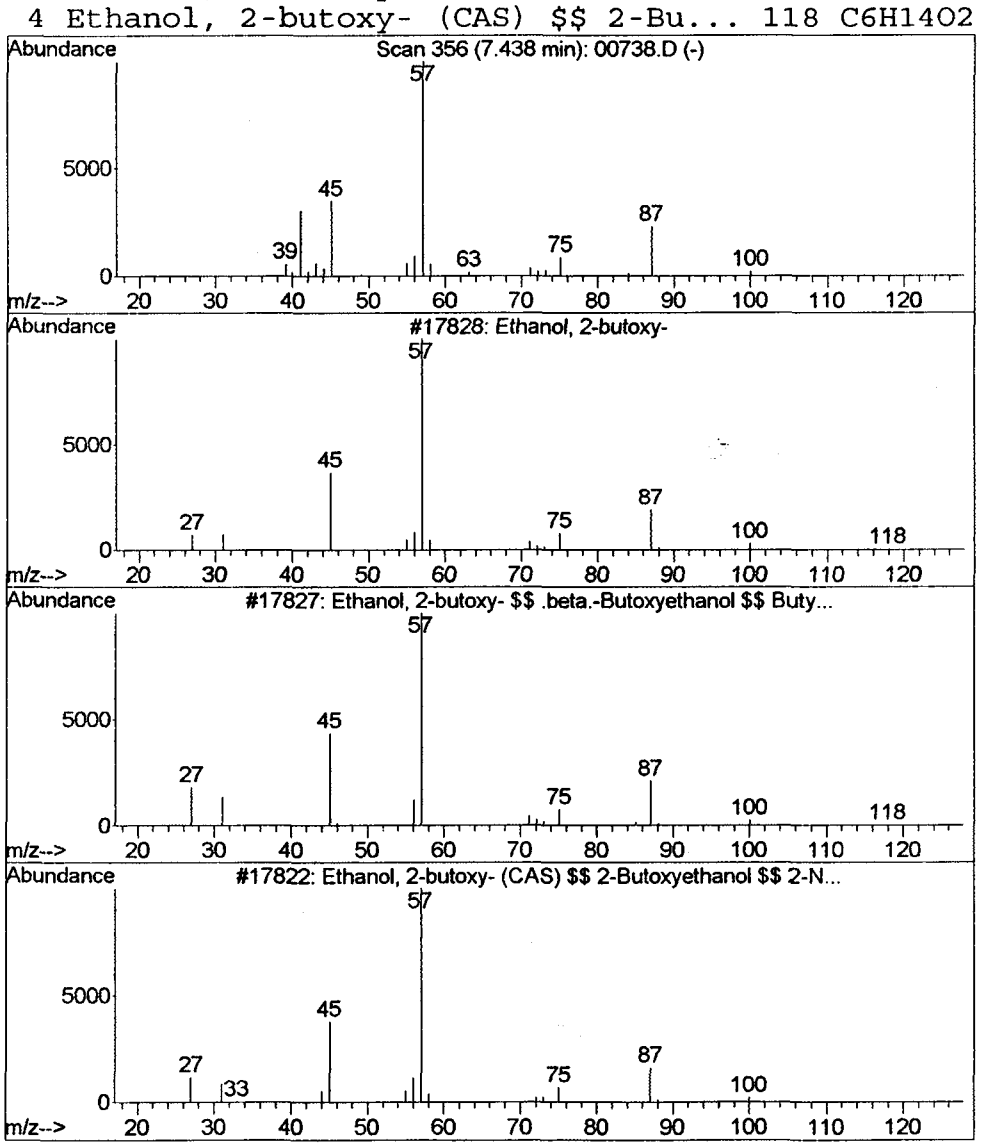
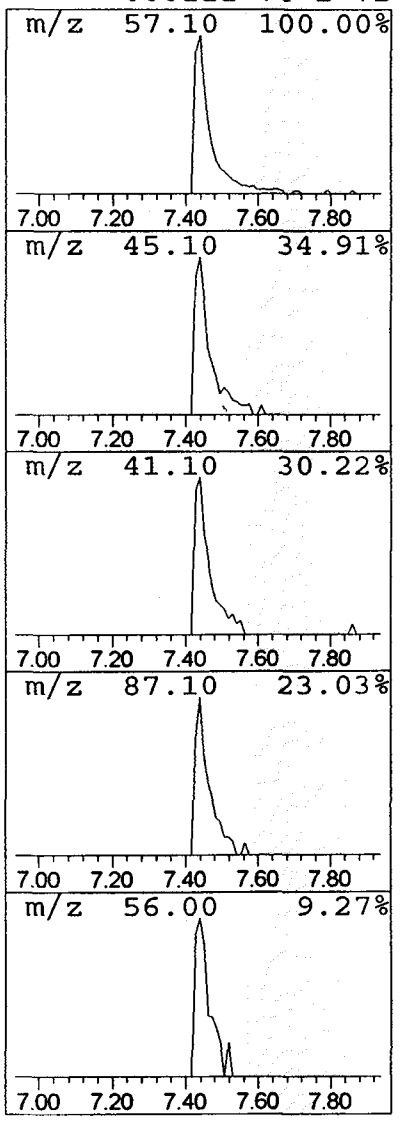
Peak Number 3 Ethanol, 2-butoxy- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.44	0.62 ug/L	216050	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	83
2	Ethanol, 2-butoxy- $$ .beta.-But...	118	C6H14O2	000111-76-2	83
3	Ethanol, 2-butoxy- (CAS) $$ 2-Bu...	118	C6H14O2	000111-76-2	78
4	Ethanol, 2-butoxy- (CAS) $$ 2-Bu...	118	C6H14O2	000111-76-2	72





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN16\00738.D Vial: 6
Acq On : 16 Jan 2002 7:17 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

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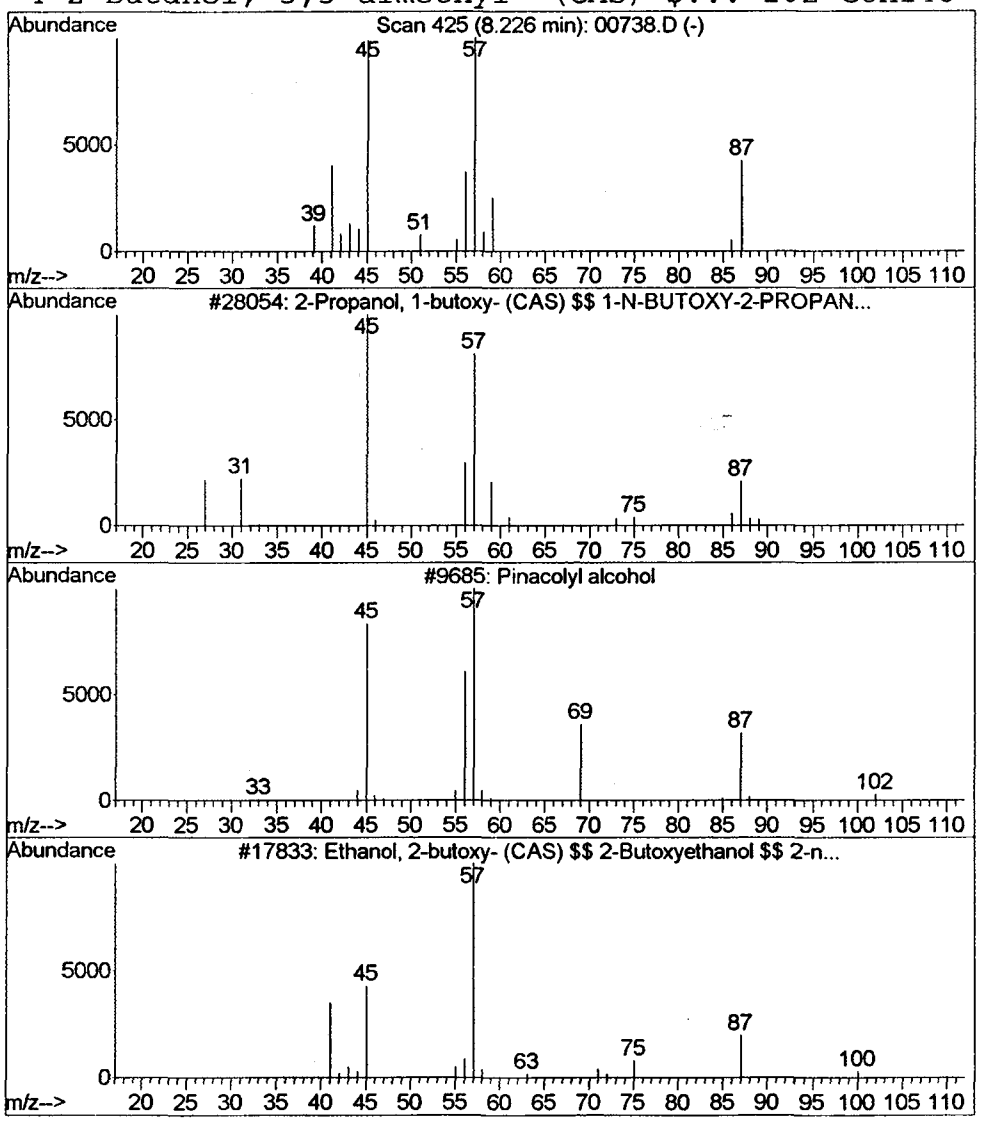
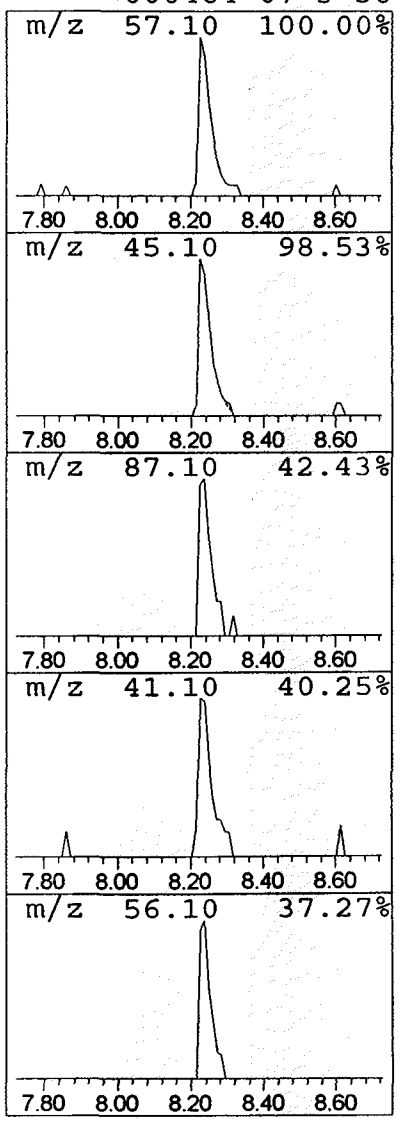
Peak Number 4 2-Propanol, 1-butoxy- (CAS)... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.23	0.28 ug/L	97433	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-butoxy- (CAS) $$ 1...	132	C7H16O2	005131-66-8	45
2	Pinacolyl alcohol	102	C6H14O	000464-07-3	39
3	Ethanol, 2-butoxy- (CAS) $$ 2-Bu...	118	C6H14O2	000111-76-2	38
4	2-Butanol, 3,3-dimethyl- (CAS) $...	102	C6H14O	000464-07-3	36





Data File : C:\MSDCHEM\1\5973N\02JAN16\00738.D Vial: 6
Acq On : 16 Jan 2002 7:17 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

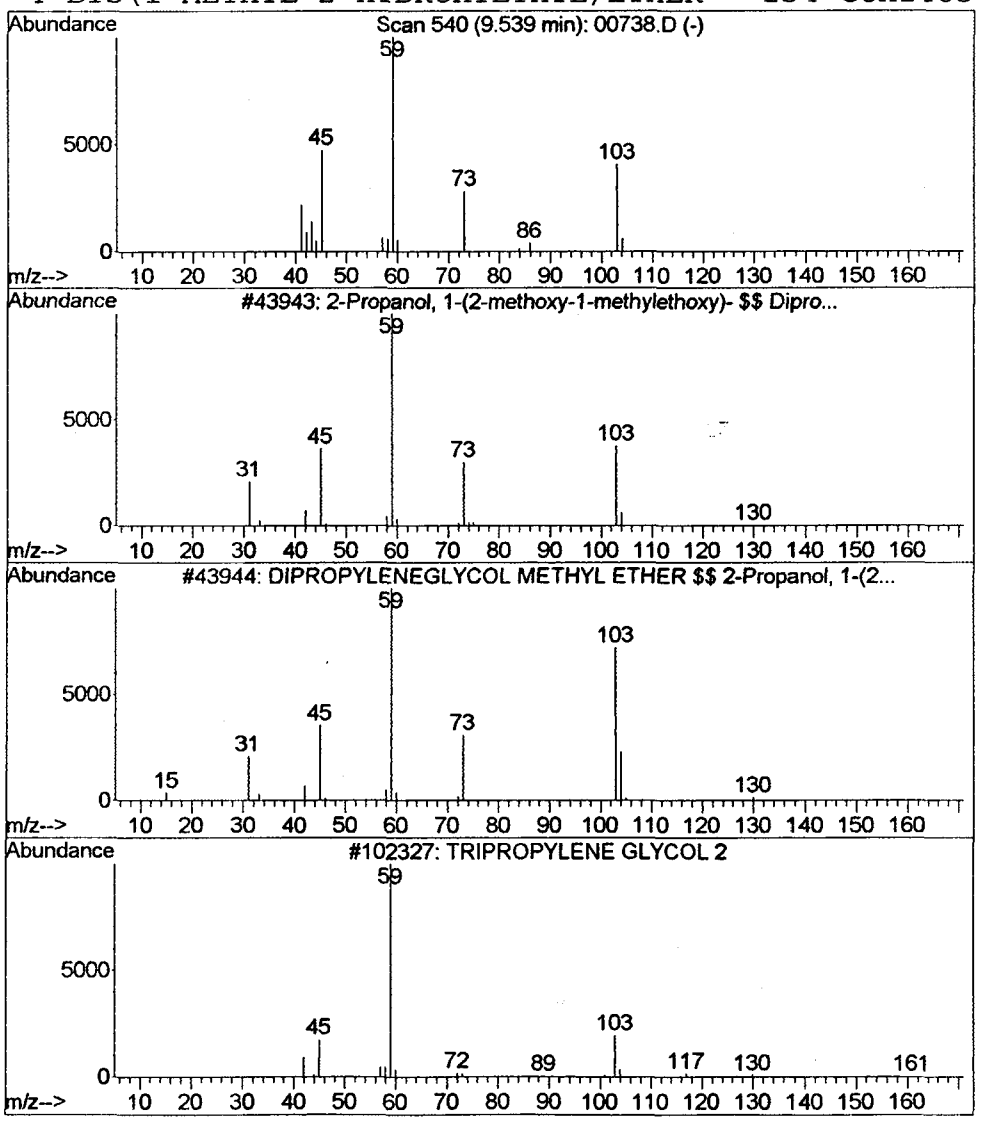
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

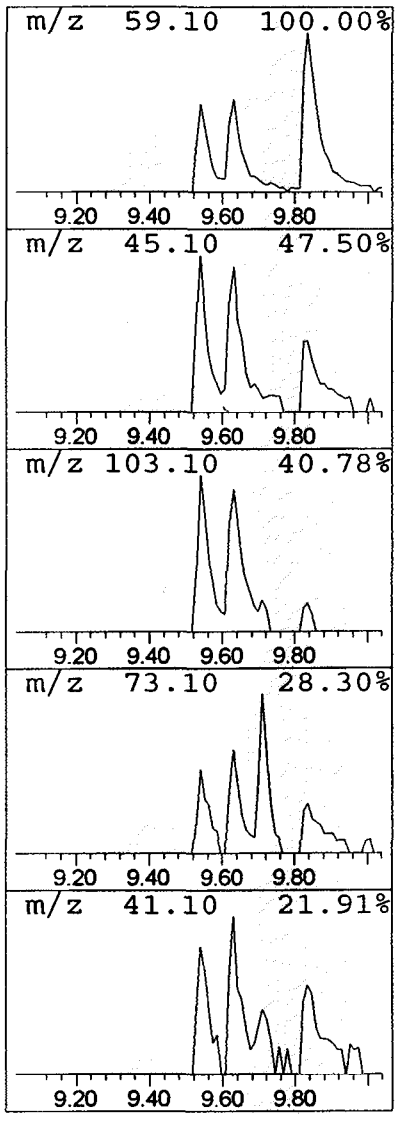
****

Peak Number 5 2-Propanol, 1-(2-methoxy-1-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	0.23 ug/L	79848	1,4-Dichlorobenzene-d4	9.71

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	56
3	TRIPROPYLENE GLYCOL 2	192	C9H20O4	000000-00-0	53
4	BIS(1-METHYL-2-HYDROXYETHYL)ETHER	134	C6H14O3	000000-00-0	50





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Data File : C:\MSDCHEM\1\5973N\02JAN16\00738.D          Vial: 6
Acq On    : 16 Jan 2002    7:17 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
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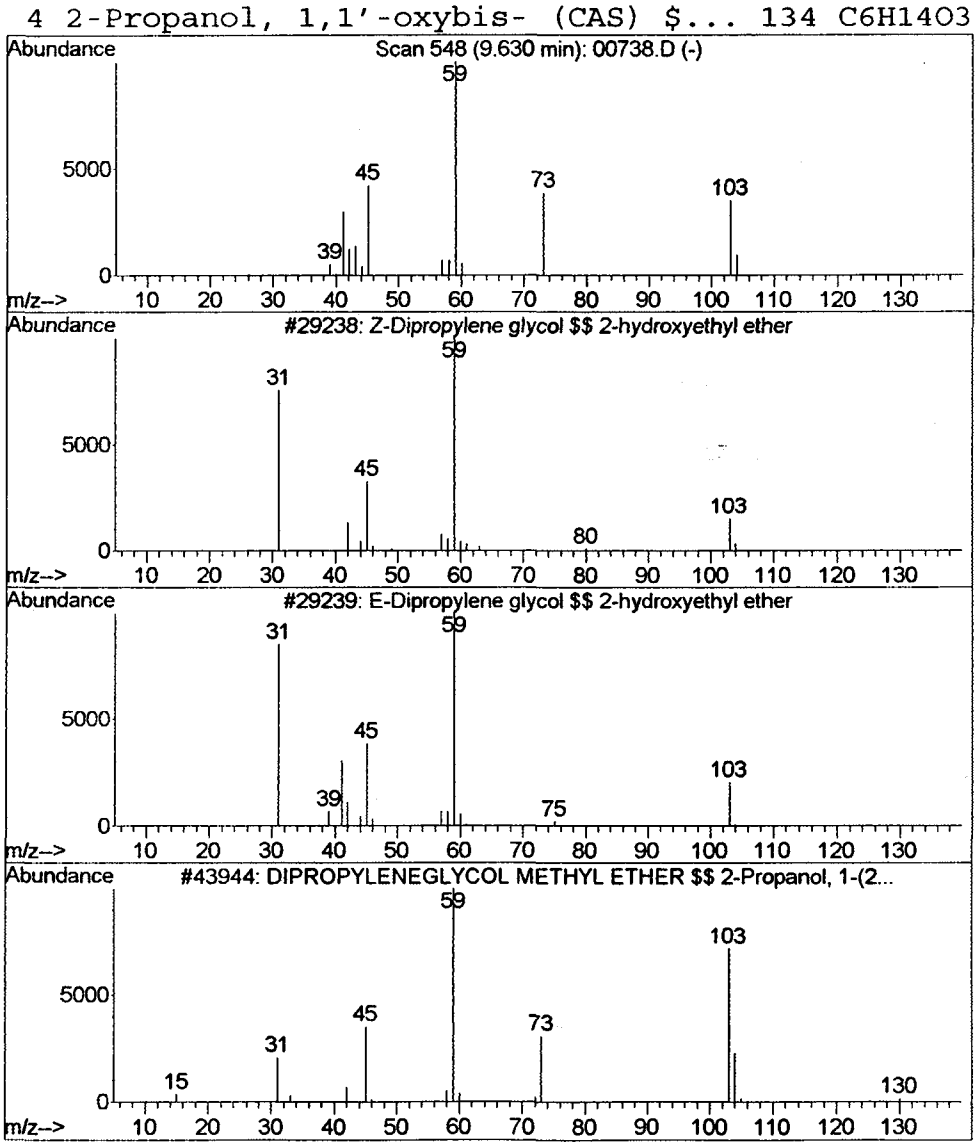
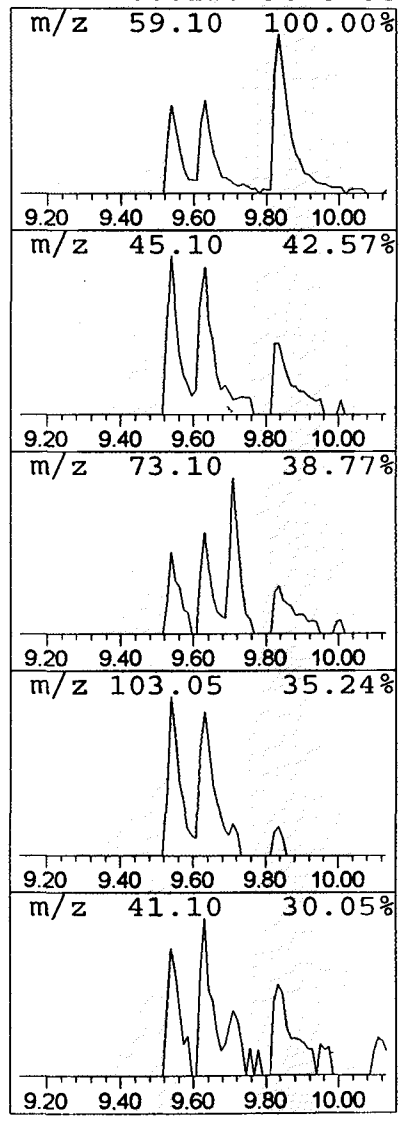
Peak Number 6 Z-Dipropylene glycol $$ 2-h... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	0.23 ug/L	79272	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Z-Dipropylene glycol $$ 2-hydrox...	134	C6H14O3	000000-00-0	72
2	E-Dipropylene glycol $$ 2-hydrox...	134	C6H14O3	000000-00-0	64
3	DIPROPYLENEGLYCOL METHYL ETHER $...	148	C7H16O3	020324-32-7	64
4	2-Propanol, 1,1'-oxybis- (CAS) $...	134	C6H14O3	000110-98-5	64





Data File : C:\MSDCHEM\1\5973N\02JAN16\00738.D Vial: 6
Acq On : 16 Jan 2002 7:17 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

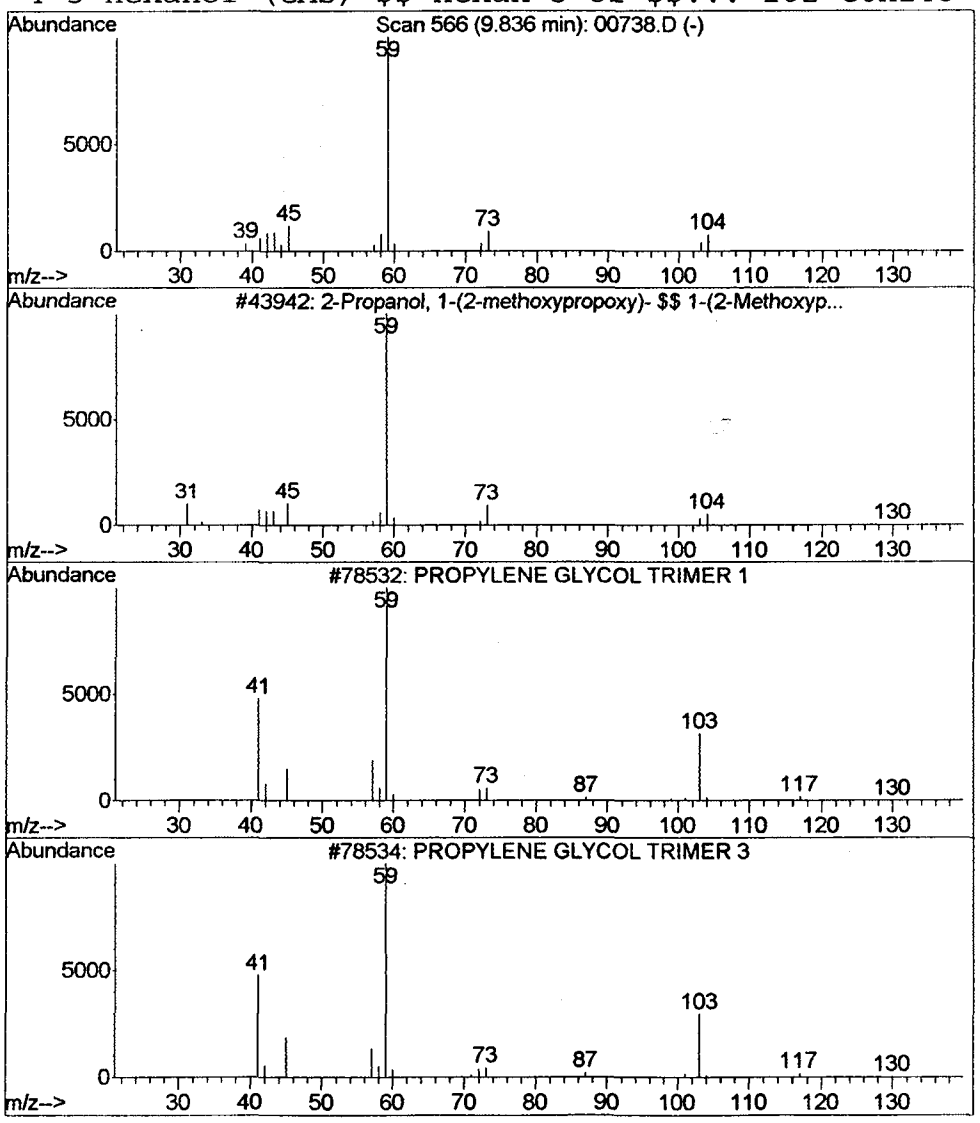
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

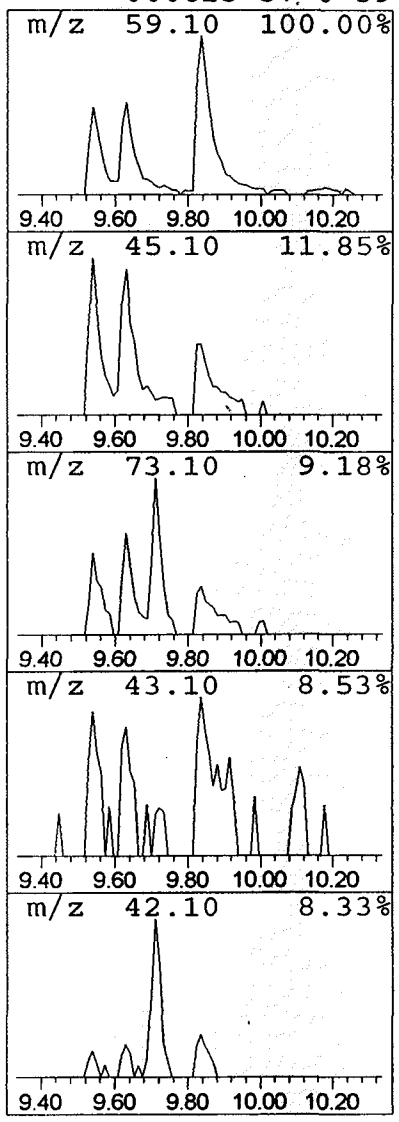
****

Peak Number 7 2-Propanol, 1-(2-methoxypro... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.84	0.31 ug/L	107220	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxypropoxy)...	148	C7H16O3	013429-07-7	83
2	PROPYLENE GLYCOL TRIMER 1	174	C9H18O3	000000-00-0	43
3	PROPYLENE GLYCOL TRIMER 3	174	C9H18O3	000000-00-0	40
4	3-Hexanol (CAS) $$ Hexan-3-ol $$...	102	C6H14O	000623-37-0	39





Data File : C:\MSDCHEM\1\5973N\02JAN16\00738.D Vial: 6
Acq On : 16 Jan 2002 7:17 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

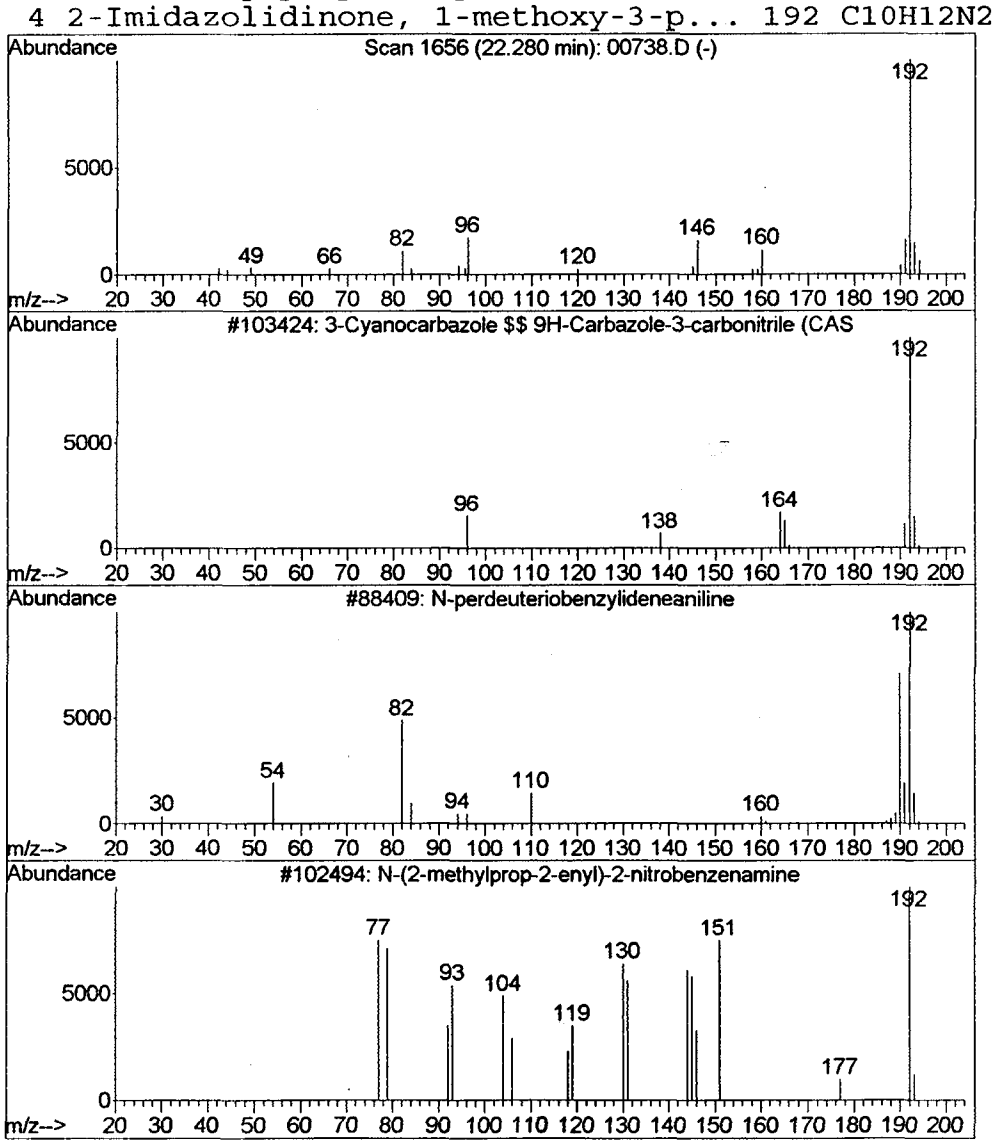
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

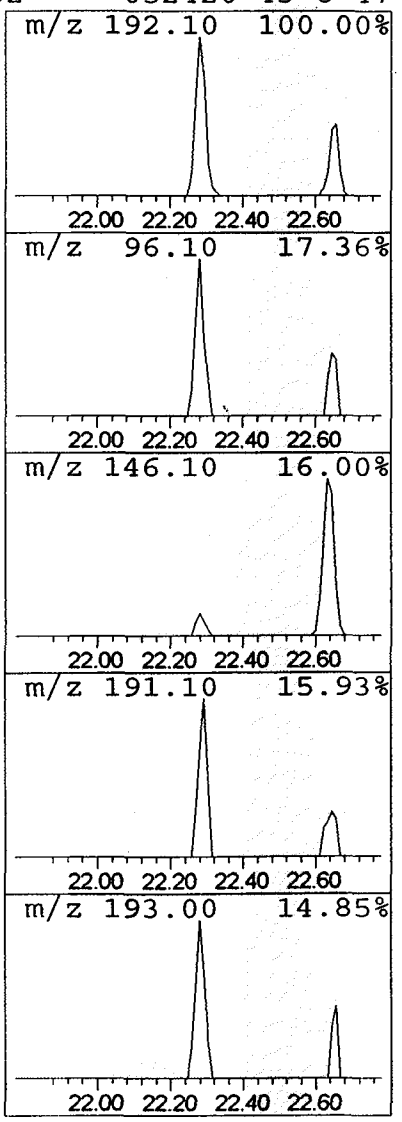
****

Peak Number 8 3-Cyanocarbazole $$ 9H-Carb... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.15 ug/L	90421	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Cyanocarbazole $$ 9H-Carbazole...	192	C13H8N2	057102-93-9	59
2	N-perdeuteriobenzylideneaniline	192	C13D11N	000538-51-2	58
3	N-(2-methylprop-2-enyl)-2-nitrob...	192	C10H12N2O2	000000-00-0	49
4	2-Imidazolidinone, 1-methoxy-3-p...	192	C10H12N2O2	052420-43-6	47





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Acq On : 16 Jan 2002 7:17 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

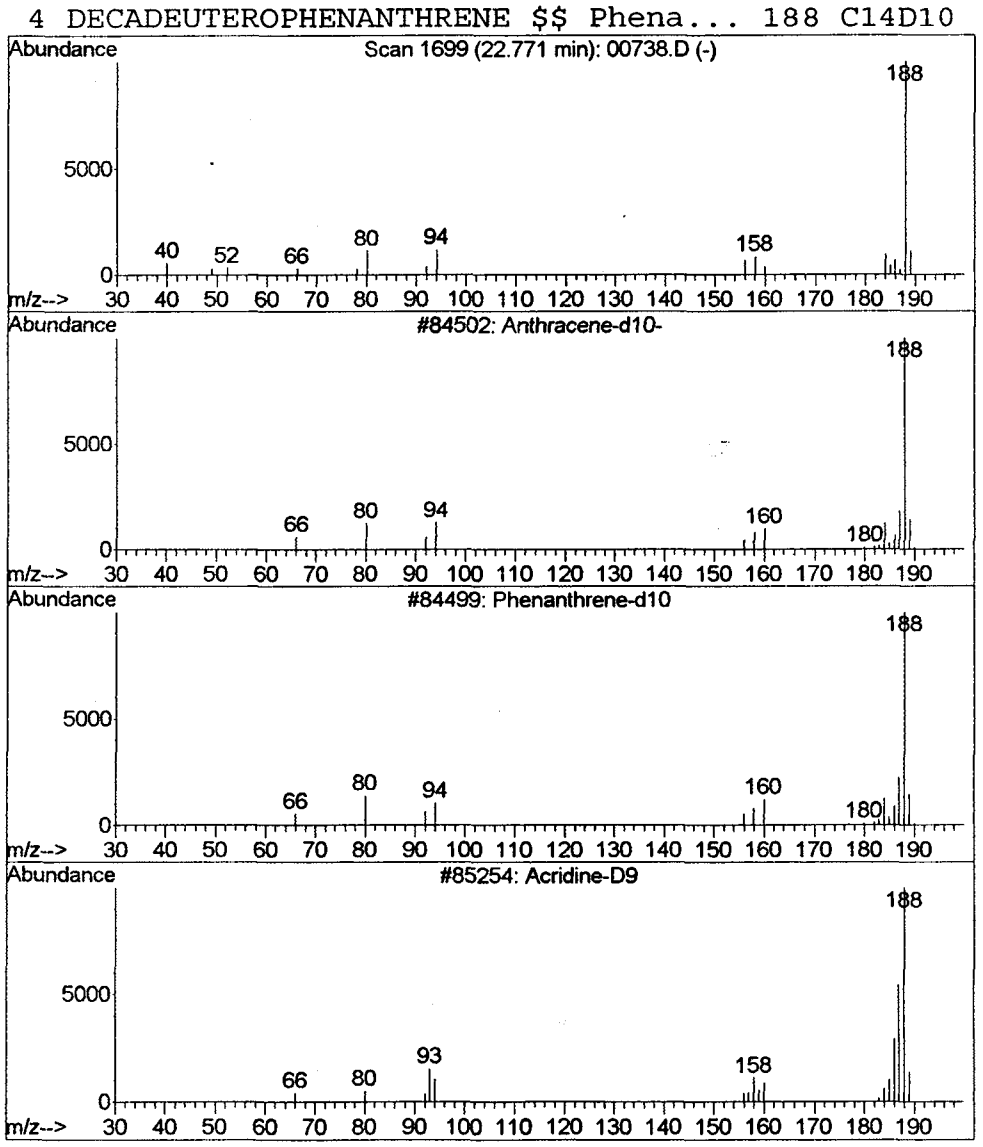
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

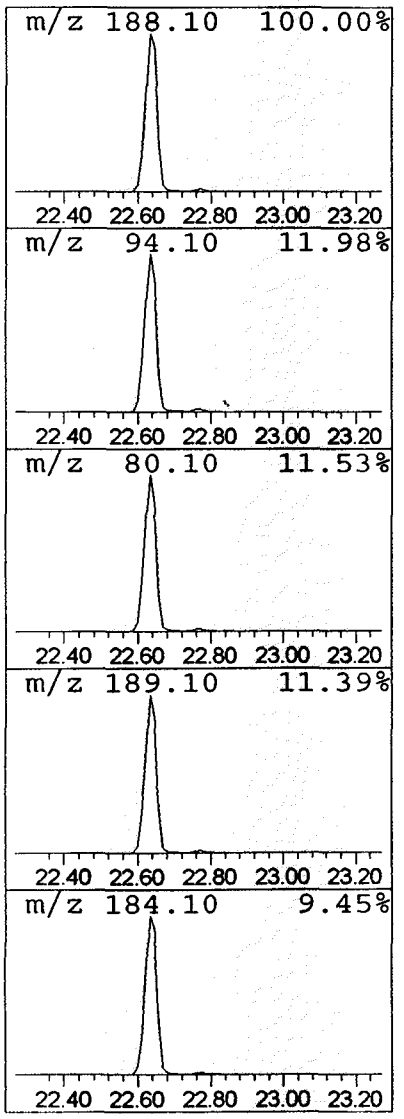
****

Peak Number 9 Anthracene-d10- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.32 ug/L	187026	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	91
2	Phenanthrene-d10	188	C14D10	001517-22-2	90
3	Acridine-D9	188	C13D9N	000000-00-0	80
4	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	56





Data File : C:\MSDCHEM\1\5973N\02JAN16\00738.D Vial: 6
Acq On : 16 Jan 2002 7:17 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

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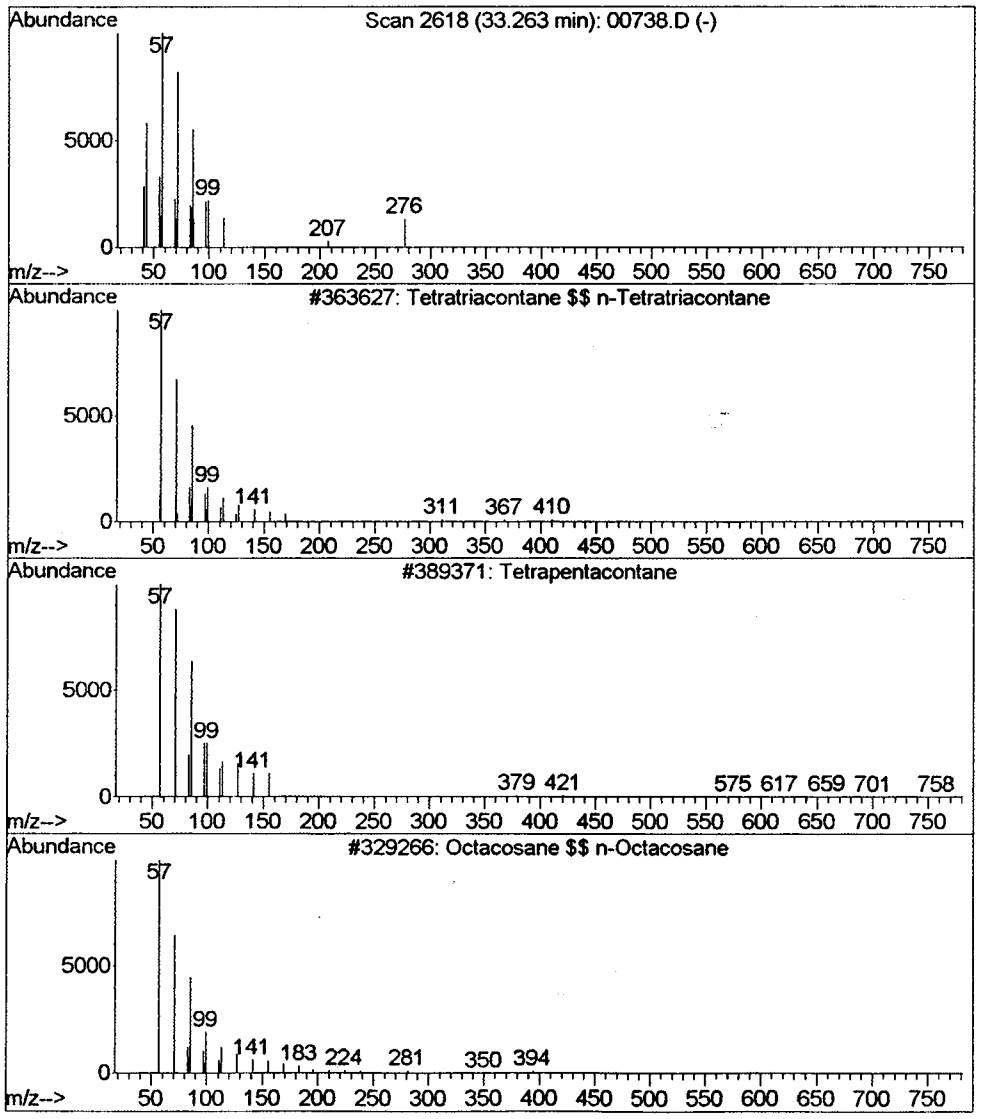
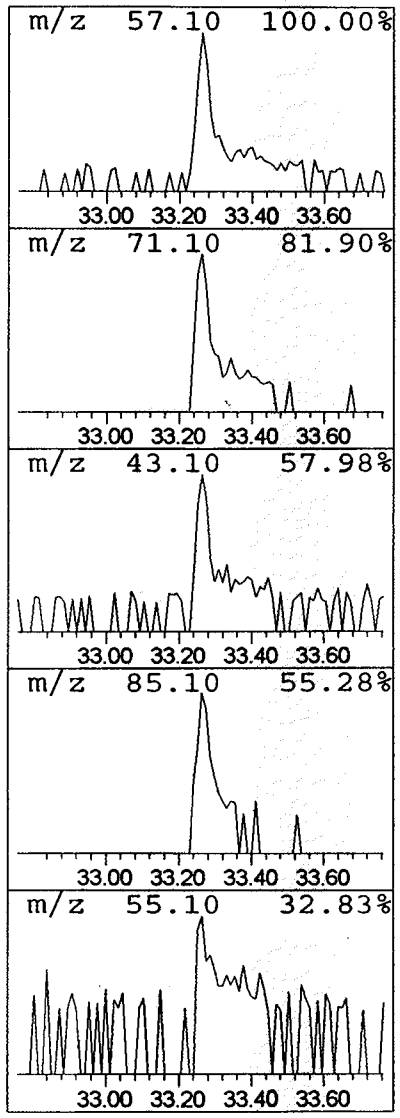
Peak Number 10 Tetratriacontane $$ n-Tetra... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
33.26	0.14 ug/L	67283	Perylene-d12	34.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratriacontane $$ n-Tetratriac...	479	C34H70	014167-59-0	72
2	Tetrapentacontane	759	C54H110	005856-66-6	72
3	Octacosane $$ n-Octacosane	394	C28H58	000630-02-4	72
4	Hentriacontane	437	C31H64	000630-04-6	72





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN16\00738.D Vial: 6
Acq On : 16 Jan 2002 7:17 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

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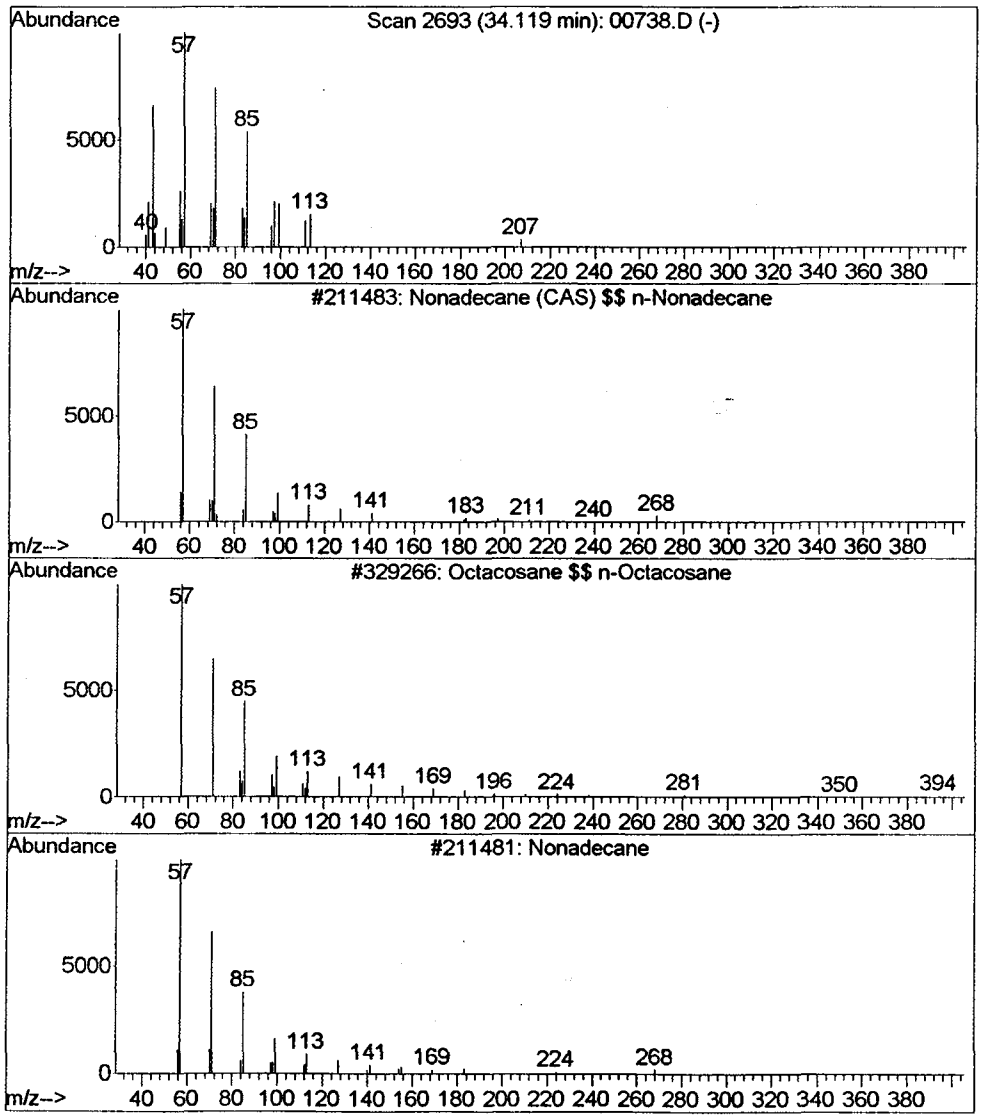
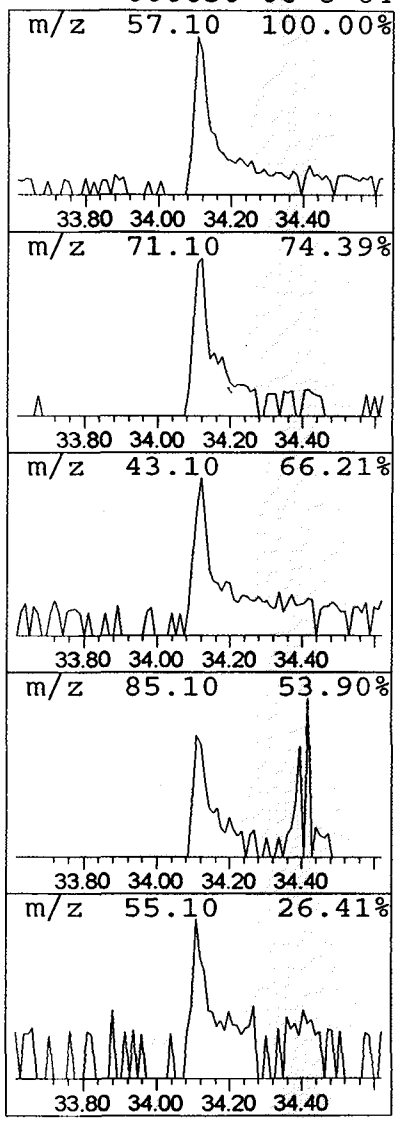
Peak Number 11 Nonadecane (CAS) $$ n-Nonad... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
34.12	0.24 ug/L	115310	Perylene-d12	34.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane (CAS) $$ n-Nonadecane	268	C19H40	000629-92-5	72
2	Octacosane $$ n-Octacosane	394	C28H58	000630-02-4	72
3	Nonadecane	268	C19H40	000629-92-5	64
4	Hexatriacontane	507	C36H74	000630-06-8	64





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN16\00738.D Vial: 6
Acq On : 16 Jan 2002 7:17 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

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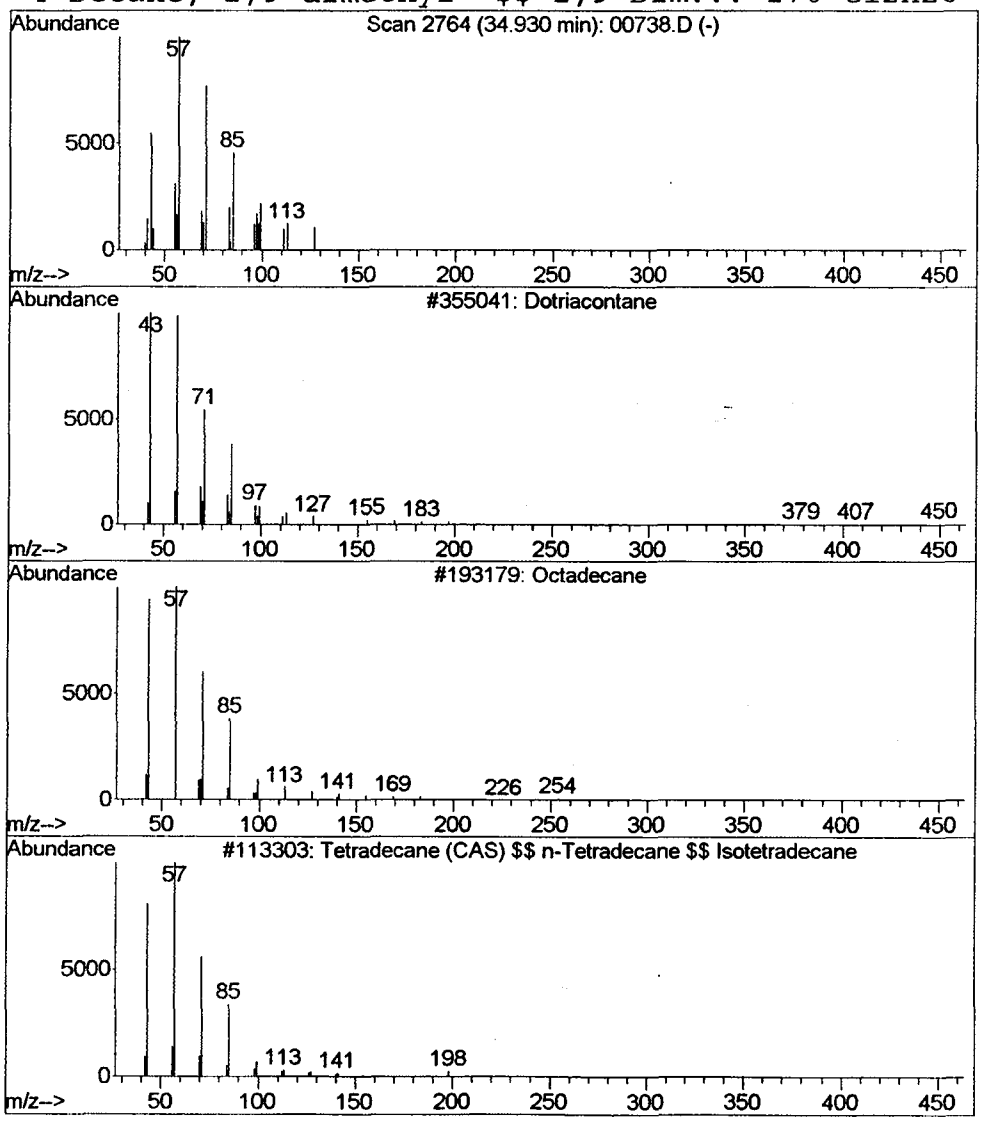
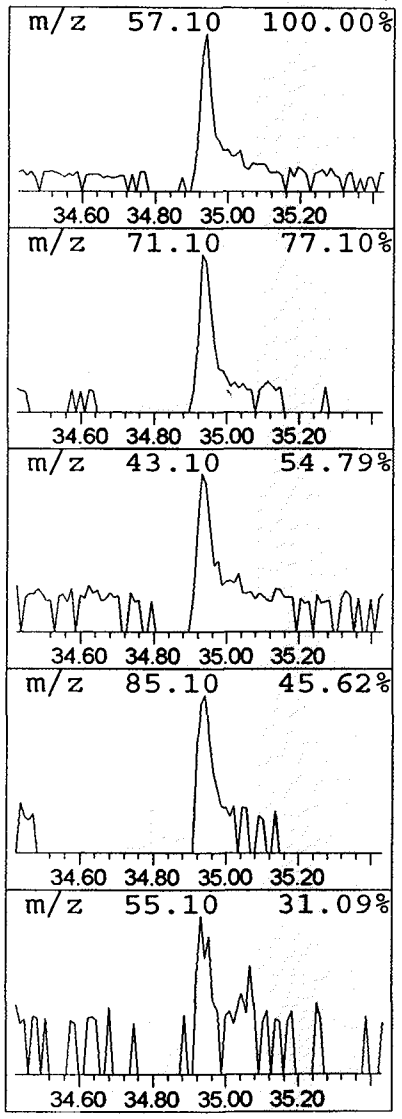
Peak Number 12 Dotriacontane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
34.93	0.20 ug/L	96347	Perylene-d12	34.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dotriacontane	451	C32H66	000544-85-4	72
2	Octadecane	254	C18H38	000593-45-3	53
3	Tetradecane (CAS) $$ n-Tetradeca...	198	C14H30	000629-59-4	50
4	Decane, 2,9-dimethyl- $$ 2,9-Dim...	170	C12H26	001002-17-1	50





Tentatively Identified Compound (ESC) Summary

Operator ID: Date Acquired: 16 Jan 2002 7:17 pm
Data File: C:\MSDCHEM\1\5973N\02JAN16\00738.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--- #	RT	Resp	Conc
Butenol, methyl-	5.01	0.3	ug/L	94703	1	9.71	6988550	20.0
Silane, tetramethyl-	5.89	4.3	ug/L	1515440	1	9.71	6988550	20.0
Ethanol, 2-butoxy-	7.44	0.6	ug/L	216050	1	9.71	6988550	20.0
2-Propanol, 1-but...	8.23	0.3	ug/L	97433	1	9.71	6988550	20.0
2-Propanol, 1-(2-...	9.54	0.2	ug/L	79848	1	9.71	6988550	20.0
2-Dipropylene gly...	9.63	0.2	ug/L	79272	1	9.71	6988550	20.0
2-Propanol, 1-(2-...	9.84	0.3	ug/L	107220	1	9.71	6988550	20.0
3-Cyanocarbazole ...	22.28	0.2	ug/L	90421	4	22.63	11851200	20.0
Anthracene-d10-	22.77	0.3	ug/L	187026	4	22.63	11851200	20.0
Tetratriacontane ...	33.26	0.1	ug/L	67283	6	34.42	9638290	20.0
Nonadecane (CAS) ...	34.12	0.2	ug/L	115310	6	34.42	9638290	20.0
Dotriacontane	34.93	0.2	ug/L	96347	6	34.42	9638290	20.0