User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/28/2002 Time: 16:05:40

Sample: AE00703
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/28/02 16:04 Ended: 1/28/02 16:04 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		117		5.0

Comments for Sample AE00703 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-28-2002 Time: 16:06:51

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\00703.D Vial: 3
Acq On : 16 Jan 2002 4:47 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 17 08:12:20 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	1211253	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	5166960	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	2673085	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.63	188	4419794	20.00	ug/L	-0.03
38) Chrysene-d12	30.49	240	3902937	20.00	ug/L	-0.02
44) Perylene-d12	34.42	264	2919575	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	410289	5.87	ug/L	0.00
Spiked Amount 5.000			Recovery = 117.40%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.61	74	10564	0.20	ug/L #	12
20) Dimethylphthalate	18.34	163	428911	2.43	ug/L #	55
21) 2,6-Dinitrotoluene	18.34	165	339297	9.85	ug/L #	17
35) Di-n-butylphthalate	24.85	149	18432	0.06	ug/L	99
41) Benzo(a)anthracene	30.49	228	8361	0.04	ug/L #	52
42) Bis(2-ethylhexyl)phthalate	31.11	149	42359	0.77	ug/L	92
43) Chrysene	30.49	228	8361	0.04	ug/L #	49
48) Benzo(a)pyrene	34.42	252	9369	0.05	ug/L #	1

(#) = qualifier out of range (m) = manual integration
00703.D SCAN508.M Thu Jan 17 08:12:21 2002 Page 1

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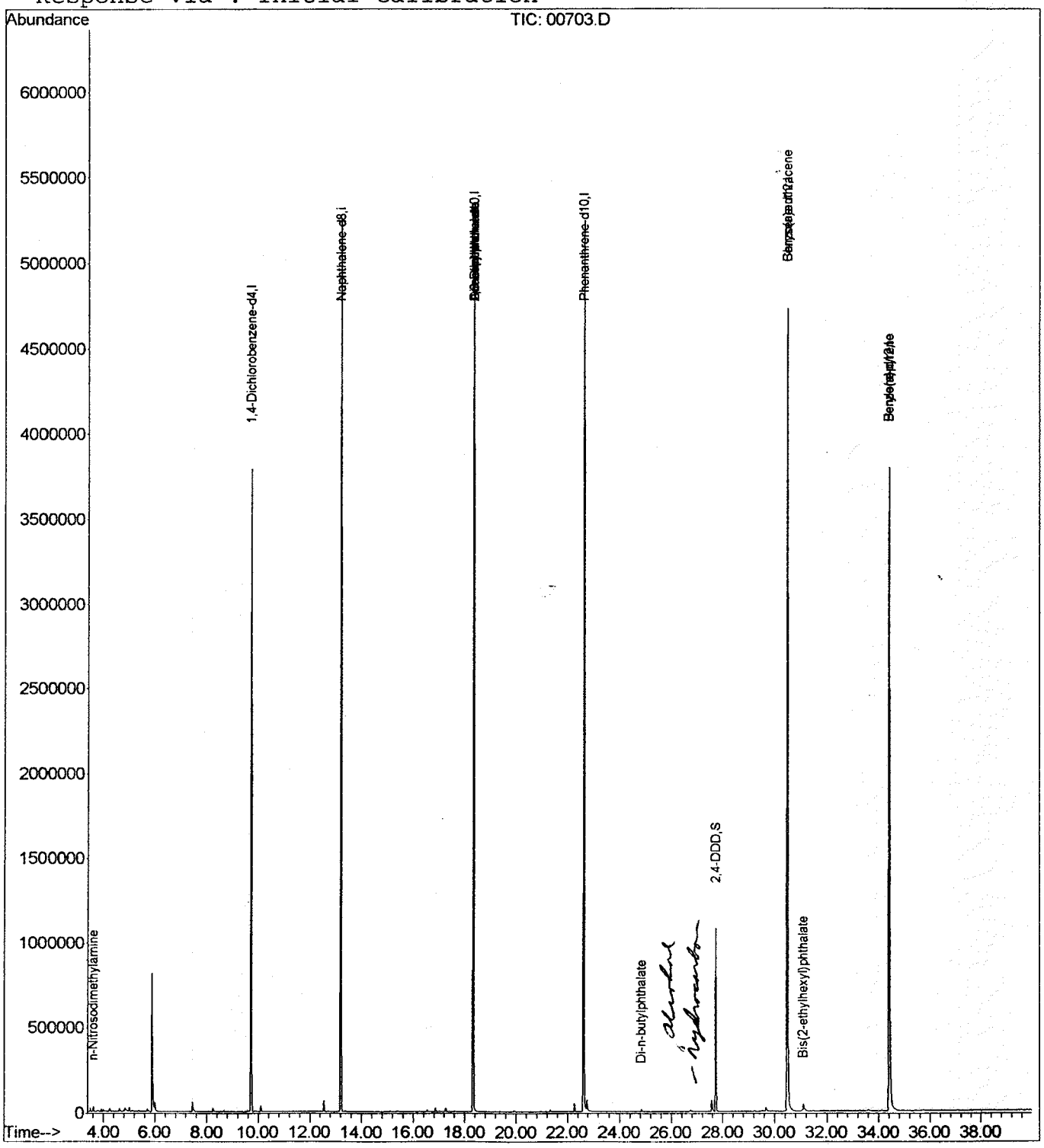
Acq On : 16 Jan 2002 4:47 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 17 8:12 2002 Quant Results File: SCAN508.RE

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\00703.D Vial: 3
Acq On : 16 Jan 2002 4:47 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

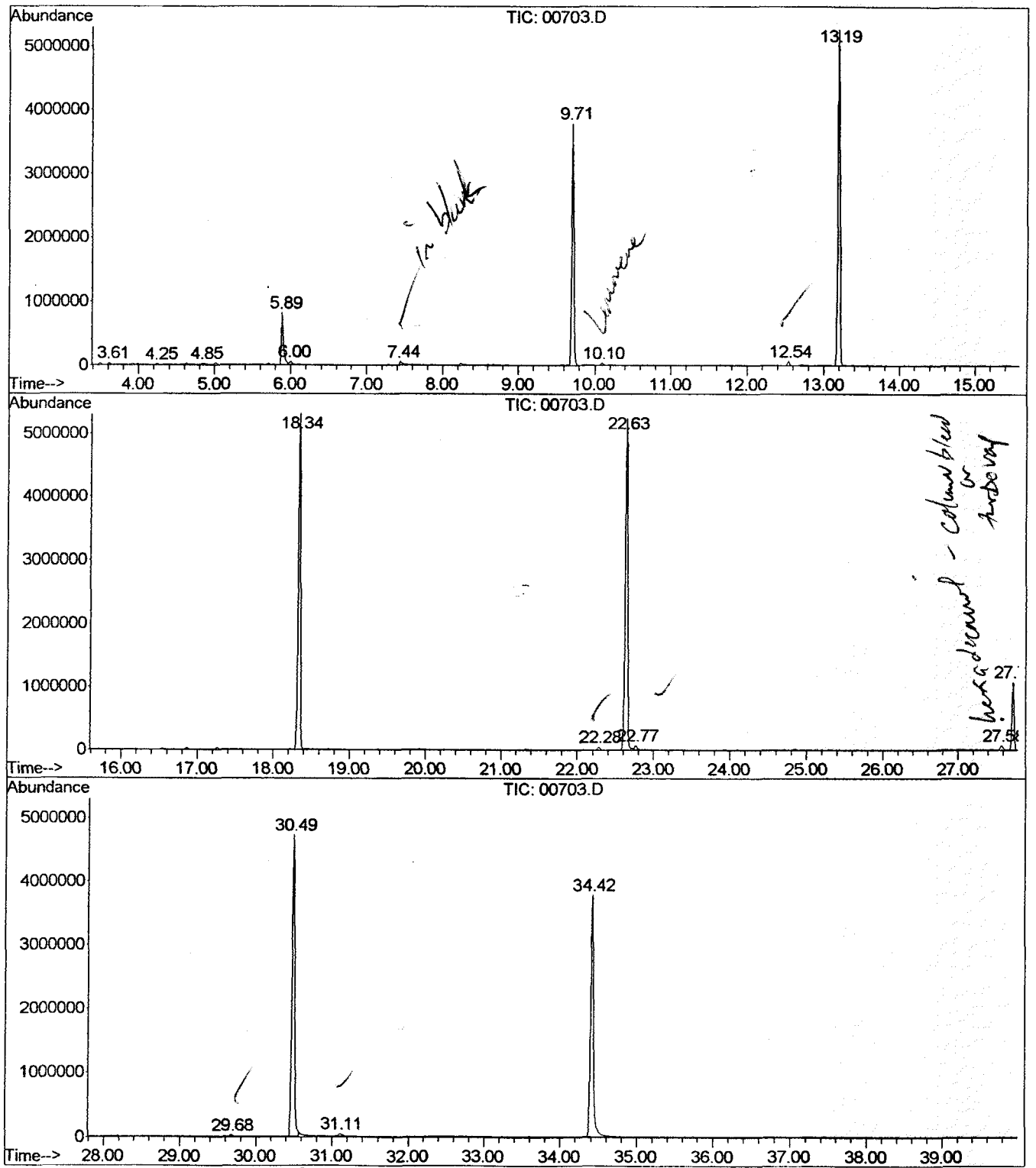
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.613	19	21	25	rBV2	31785	50382	0.43%	0.077%
2	4.253	71	77	83	rVV6	18721	54288	0.46%	0.083%
3	4.846	121	129	141	rVV4	20664	92841	0.79%	0.142%
4	5.885	215	220	227	rBV	815942	1488546	12.72%	2.277%
5	6.000	227	230	235	rVB	46858	96968	0.83%	0.148%
6	7.438	351	356	367	rVV	55445	145313	1.24%	0.222%
7	9.710	551	555	561	rVV	3784890	6887278	58.85%	10.536%
8	10.098	583	589	593	rBV2	34086	64621	0.55%	0.099%
9	12.541	799	803	807	rVV	66642	109581	0.94%	0.168%
10	13.192	855	860	865	rBV	5256804	9915462	84.72%	15.168%
11	18.341	1305	1311	1315	rBV	5298446	10822796	92.47%	16.556%
12	22.280	1653	1656	1661	rVB2	47661	85641	0.73%	0.131%
13	22.634	1681	1687	1693	rBV2	5229642	11703817	100.00%	17.904%
14	22.771	1695	1699	1709	rVB	64840	160372	1.37%	0.245%
15	27.578	2115	2120	2129	rBV2	66575	167968	1.44%	0.257%
16	27.726	2129	2133	2137	rBV	1076339	1967300	16.81%	3.010%
17	29.678	2299	2304	2315	rBV3	23297	83999	0.72%	0.128%
18	30.489	2369	2375	2381	rBV2	4724172	11428627	97.65%	17.483%
19	31.105	2419	2429	2439	rBV2	41300	154076	1.32%	0.236%
20	34.416	2713	2719	2749	rVV	3786529	9889274	84.50%	15.128%

Sum of corrected areas: 65369150

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02JAN16\00703.D
Operator :
Acquired : 16 Jan 2002 4:47 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508scan
Misc Info : January 16, 2002
Vial Number: 3
Quant File :SCAN508.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN16\00703.D Vial: 3
Acq On : 16 Jan 2002 4:47 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

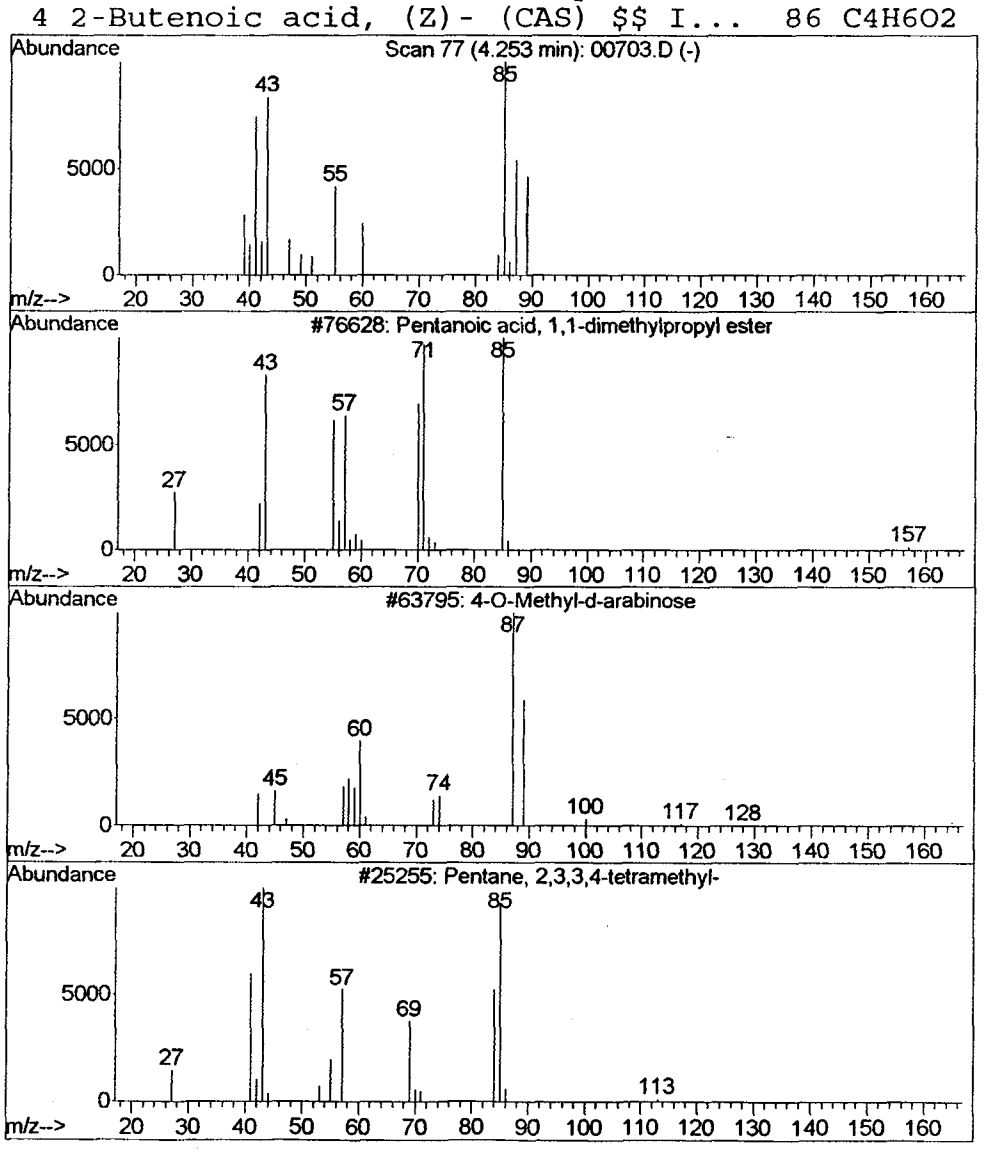
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

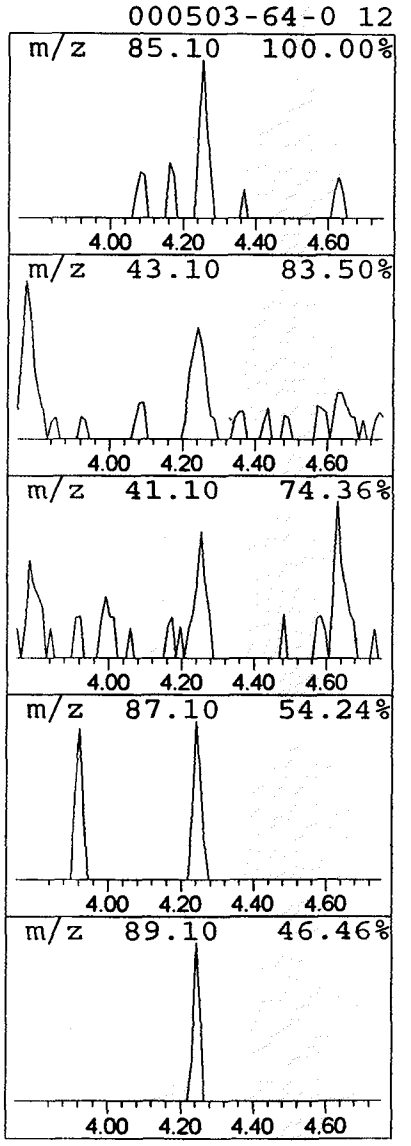
****

Peak Number 1 Pentanoic acid, 1,1-dimethy... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.25	0.16 ug/L	54288	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanoic acid, 1,1-dimethylprop...	172	C10H20O2	117421-32-6	17
2	4-O-Methyl-d-arabinose	164	C6H12O5	000000-00-0	12
3	Pentane, 2,3,3,4-tetramethyl-	128	C9H20	016747-38-9	12
4	2-Butenoic acid, (Z)- (CAS) $$ I...	86	C4H6O2	000503-64-0	12





Data File : C:\MSDCHEM\1\5973N\02JAN16\00703.D Vial: 3
Acq On : 16 Jan 2002 4:47 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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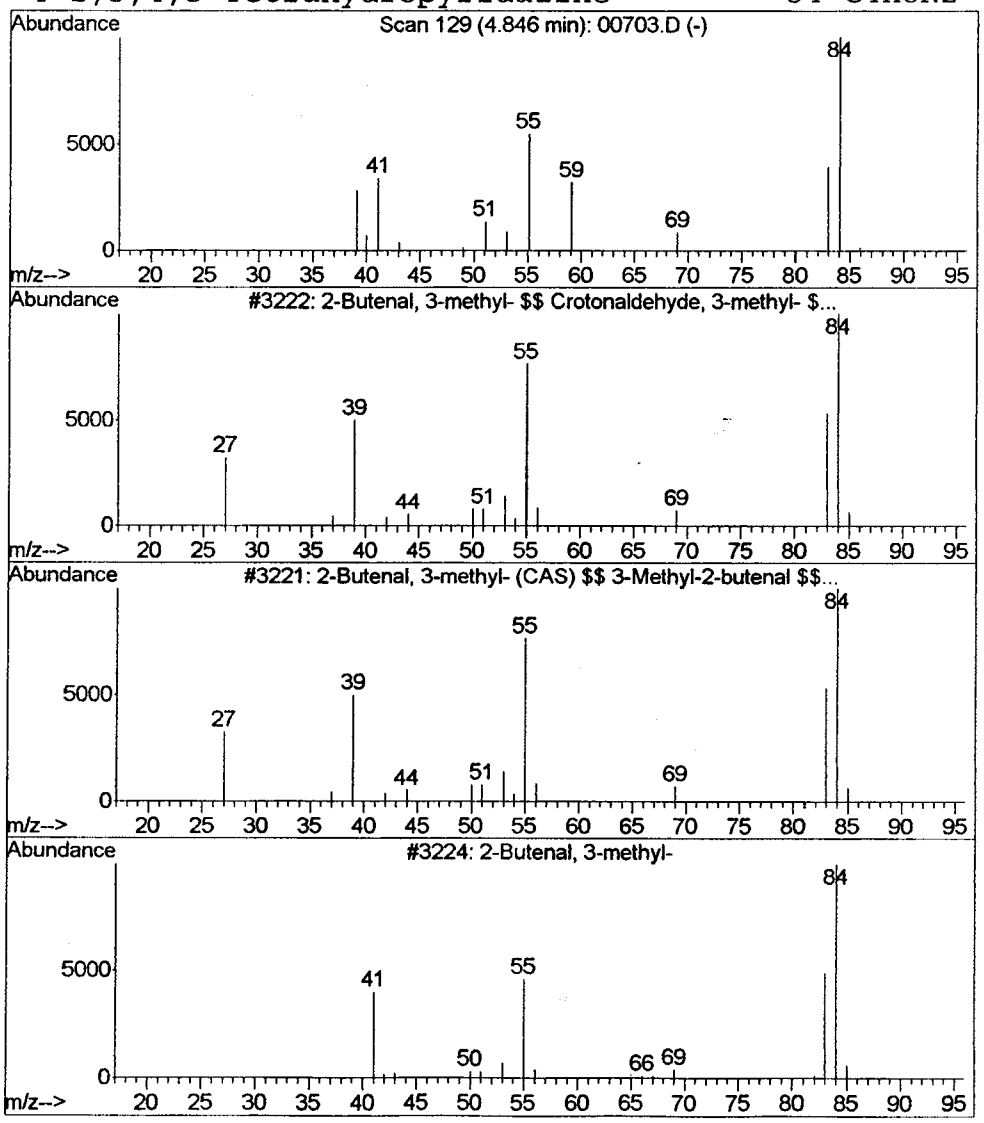
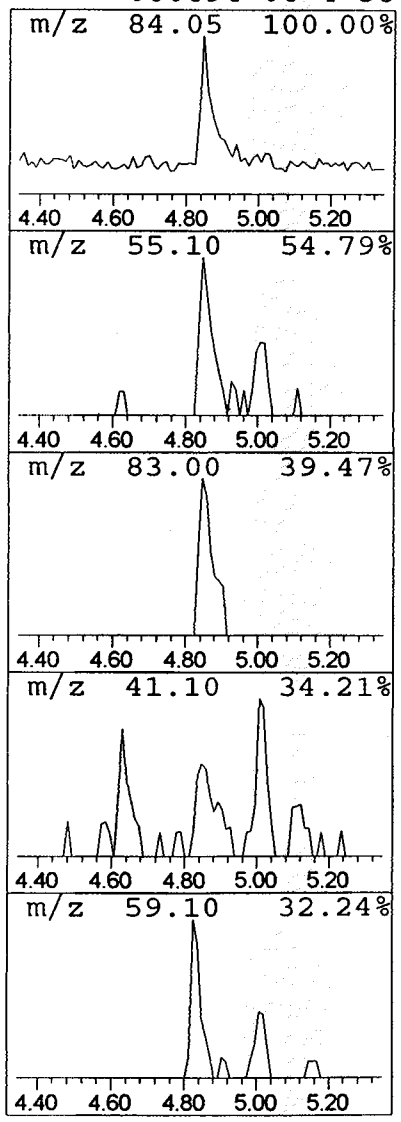
Peak Number 2 2-Butenal, 3-methyl- $$ Cro... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	0.27 ug/L	92841	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal, 3-methyl- $$ Crotonal...	84	C5H8O	000107-86-8	72
2	2-Butenal, 3-methyl- (CAS) $$ 3-...	84	C5H8O	000107-86-8	72
3	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	64
4	2,3,4,5-Tetrahydropyridazine	84	C4H8N2	000694-06-4	38





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Acq On : 16 Jan 2002 4:47 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

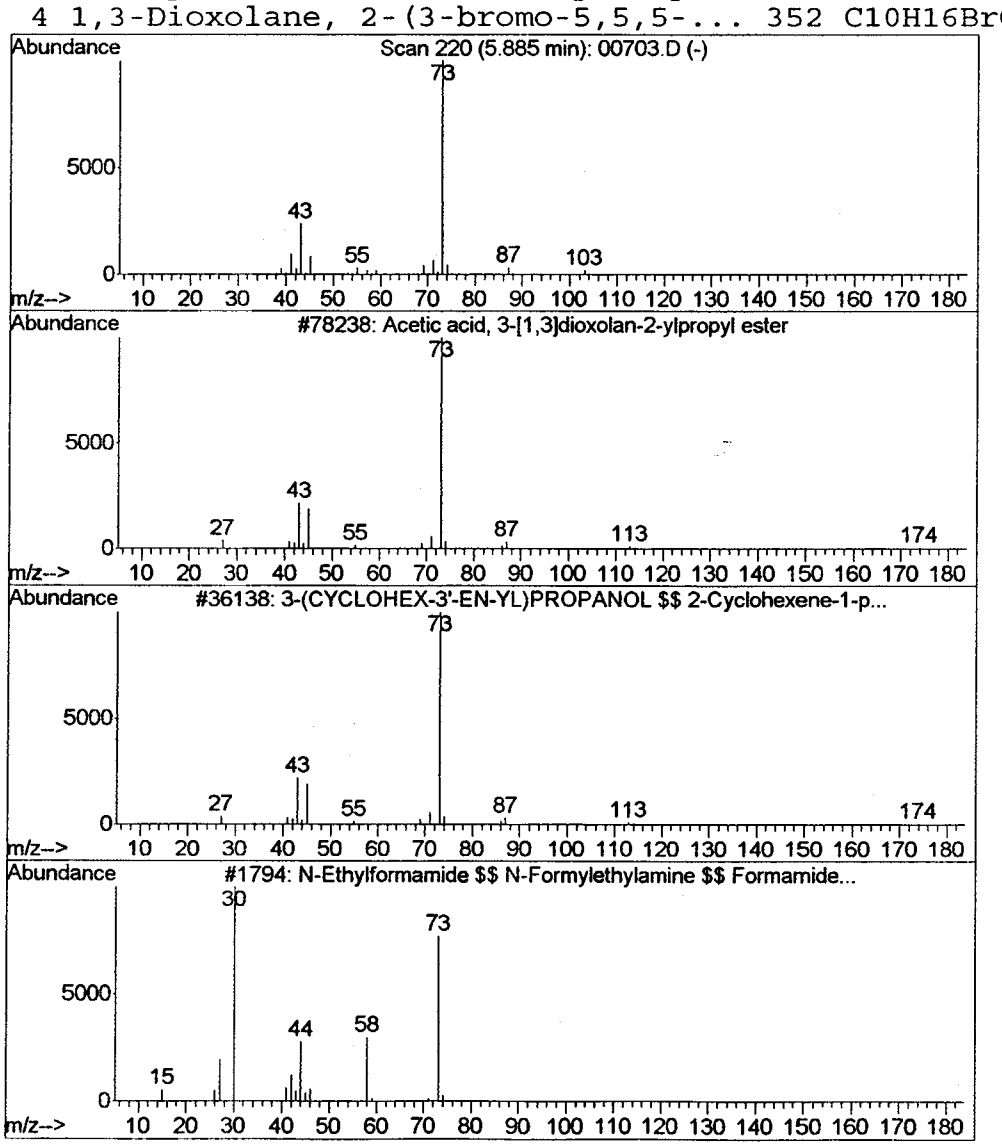
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

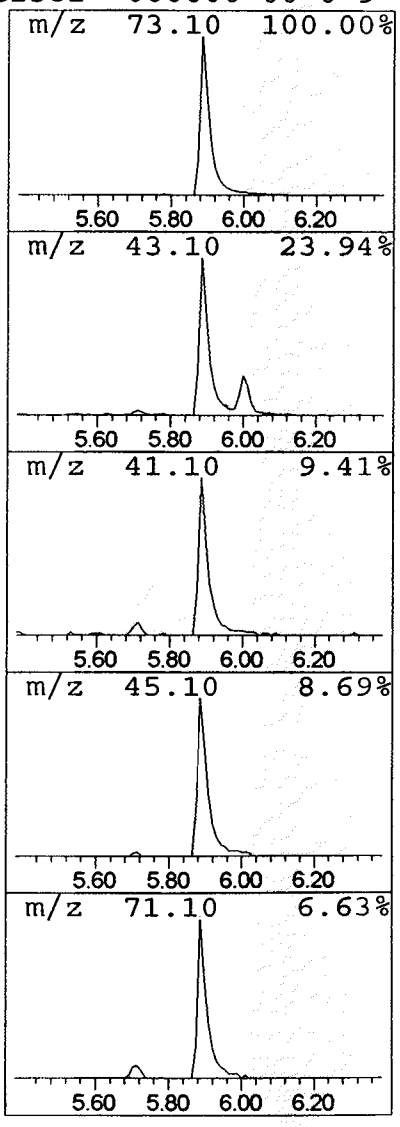
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	4.32 ug/L	1488550	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	36
2	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	36
3	N-Ethylformamide $$ N-Formylethy...	73	C3H7NO	000627-45-2	9
4	1,3-Dioxolane, 2-(3-bromo-5,5,5-...	352	C10H16BrCl3O2	000000-00-0	9





Library Search Compound Report

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Acq On : 16 Jan 2002 4:47 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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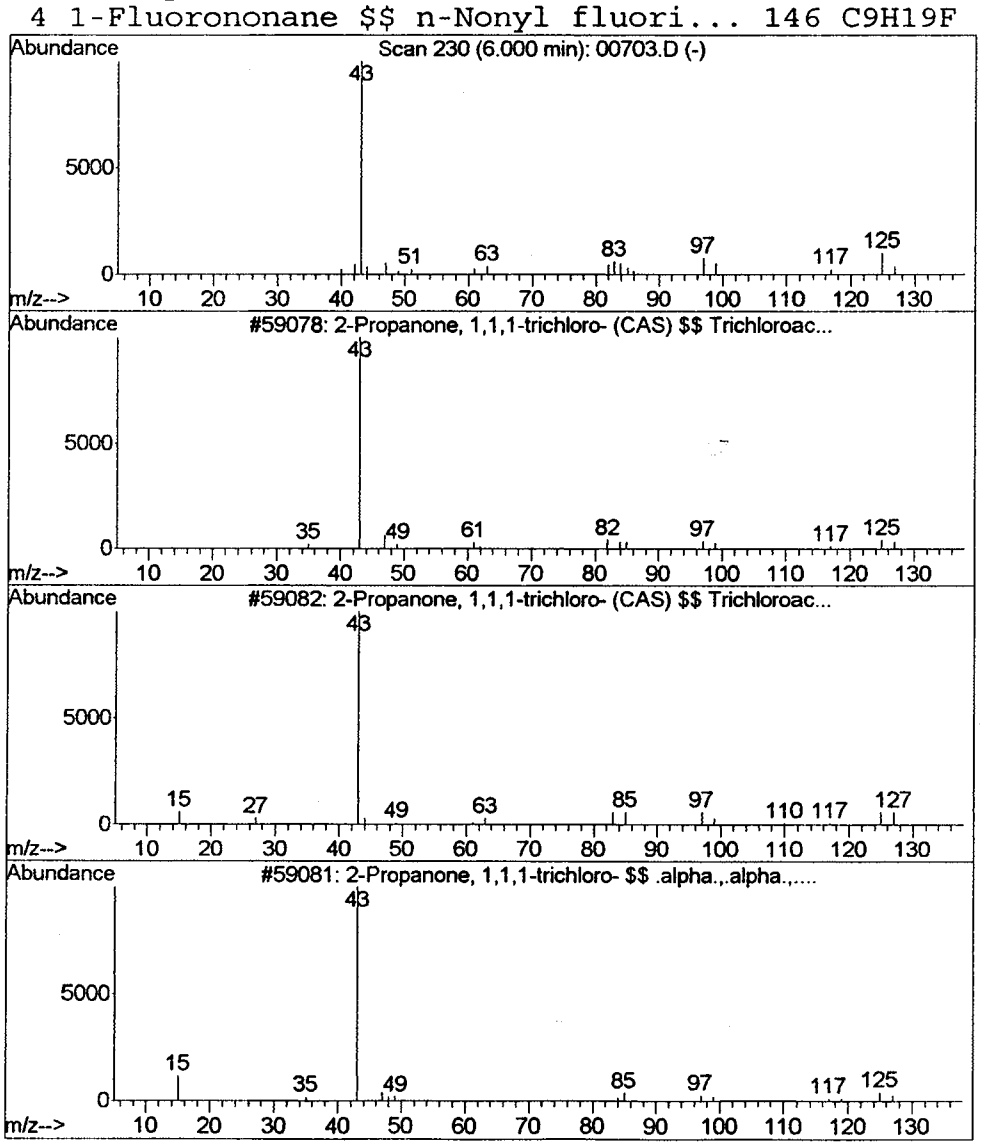
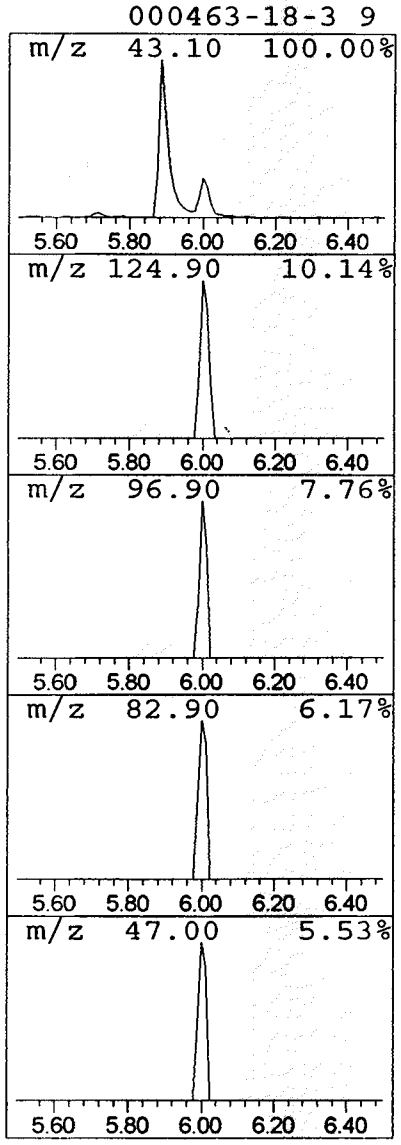
Peak Number 4 2-Propanone, 1,1,1-trichlor... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.00	0.28 ug/L	96968	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanone, 1,1,1-trichloro- (C...	160	C3H3Cl3O	000918-00-3	59
2	2-Propanone, 1,1,1-trichloro- (C...	160	C3H3Cl3O	000918-00-3	42
3	2-Propanone, 1,1,1-trichloro- $$...	160	C3H3Cl3O	000918-00-3	9
4	1-Fluorononane $$ n-Nonyl fluori...	146	C9H19F	000463-18-3	9





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Acq On : 16 Jan 2002 4:47 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

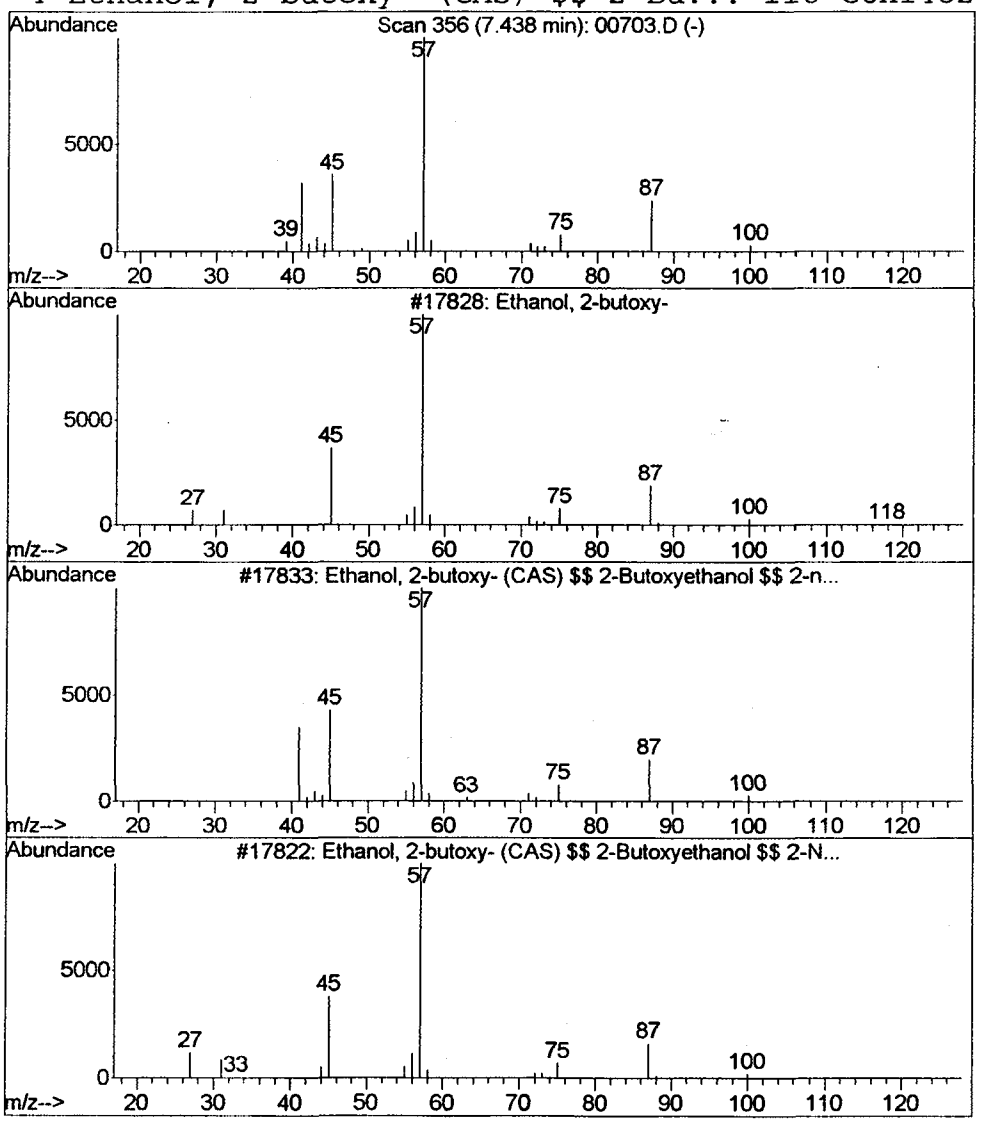
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

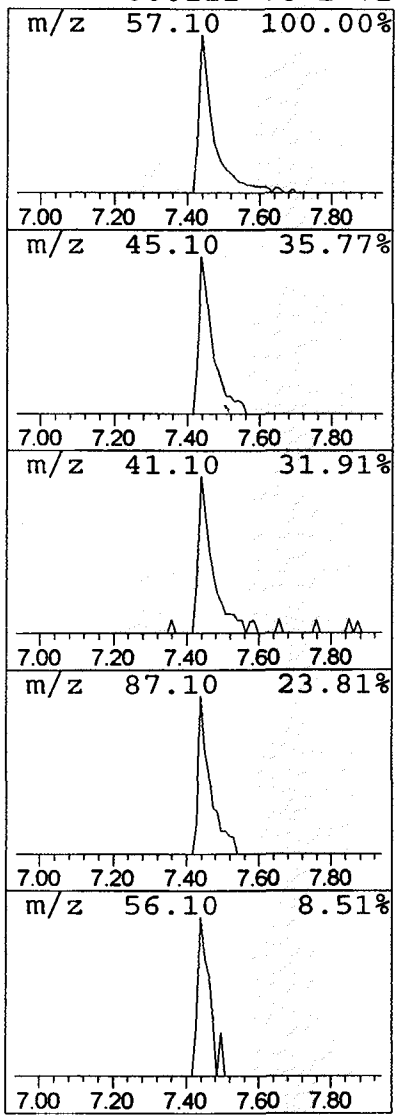
****

Peak Number 5 Ethanol, 2-butoxy- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.44	0.42 ug/L	145313	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- (CAS) $$ 2-Bu...	118	C6H14O2	000111-76-2	83
3	Ethanol, 2-butoxy- (CAS) $$ 2-Bu...	118	C6H14O2	000111-76-2	78
4	Ethanol, 2-butoxy- (CAS) $$ 2-Bu...	118	C6H14O2	000111-76-2	72





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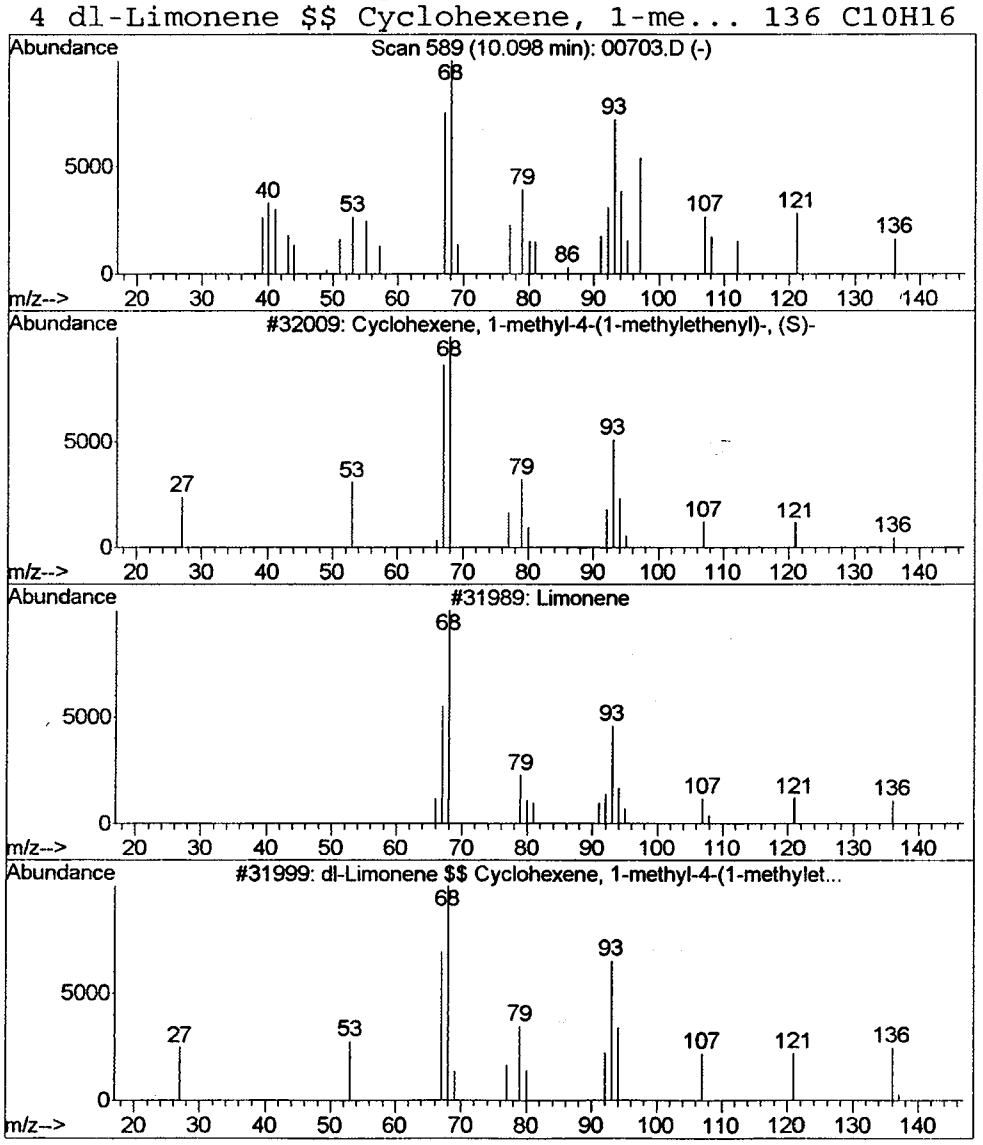
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

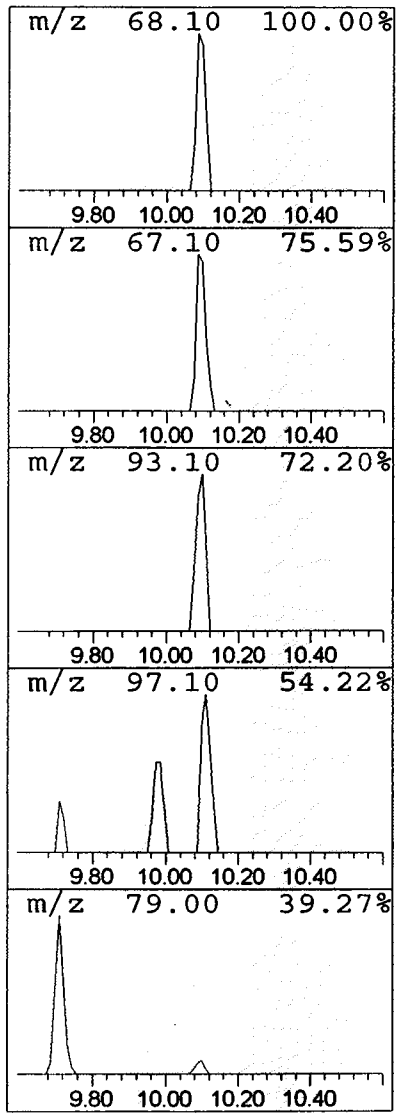
****

Peak Number 6 Cyclohexene, 1-methyl-4-(1-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.10	0.19 ug/L	64621	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	96
2	Limonene	136	C10H16	000138-86-3	96
3	dl-Limonene $$ Cyclohexene, 1-me...	136	C10H16	000138-86-3	95
4	dl-Limonene $$ Cyclohexene, 1-me...	136	C10H16	000138-86-3	95





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Acq On : 16 Jan 2002 4:47 pm Operator:
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Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

****

Peak Number 7 Cyclopentasiloxane, decamet... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	0.22 ug/L	109581	Naphthalene-d8	13.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	83
2	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	74
3	Benzeneacetic acid, .alpha.,3,4-...	472	C20H40O5Si4	037148-65-5	43
4	3,4-Dihydroxybenzyl alcohol,tris...	356	C16H32O3Si3	068595-79-9	38

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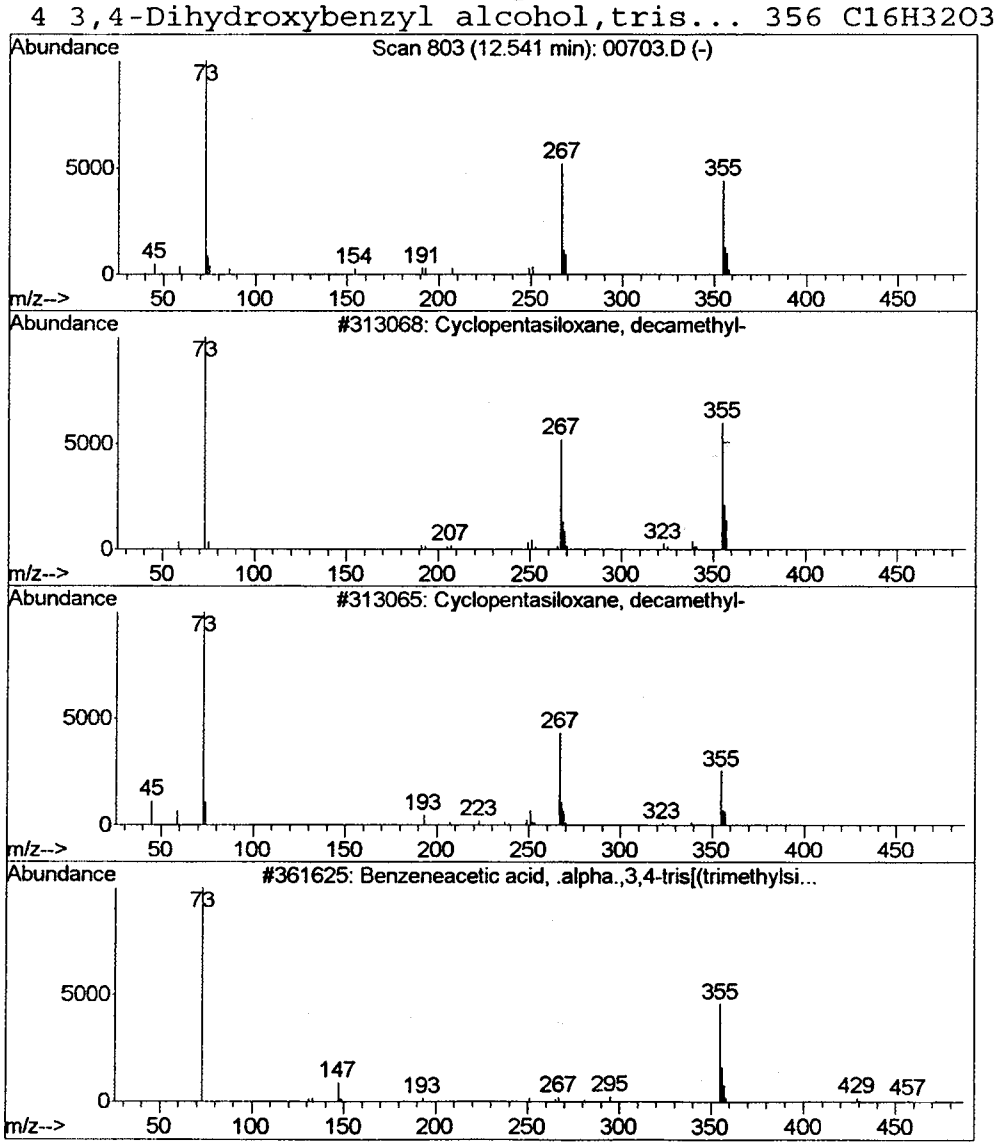

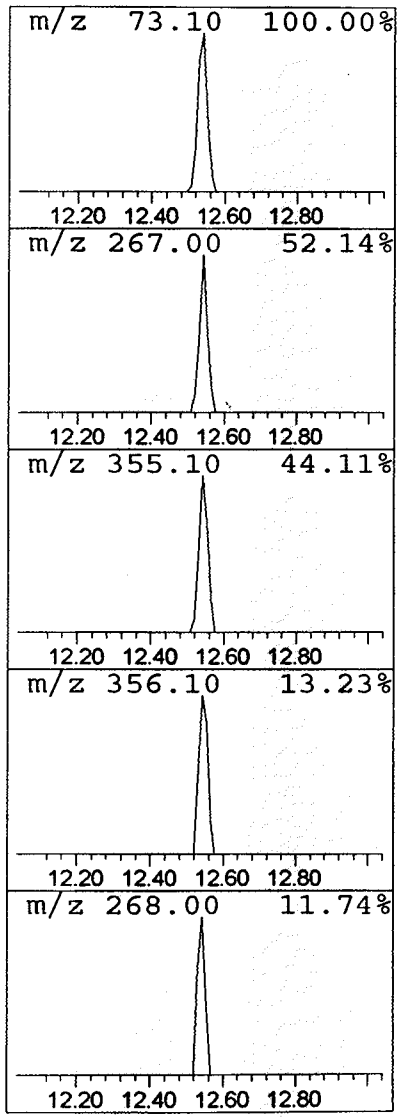

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Acq On : 16 Jan 2002 4:47 pm Operator:
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Misc : January 16, 2002 Multiplr: 1.00
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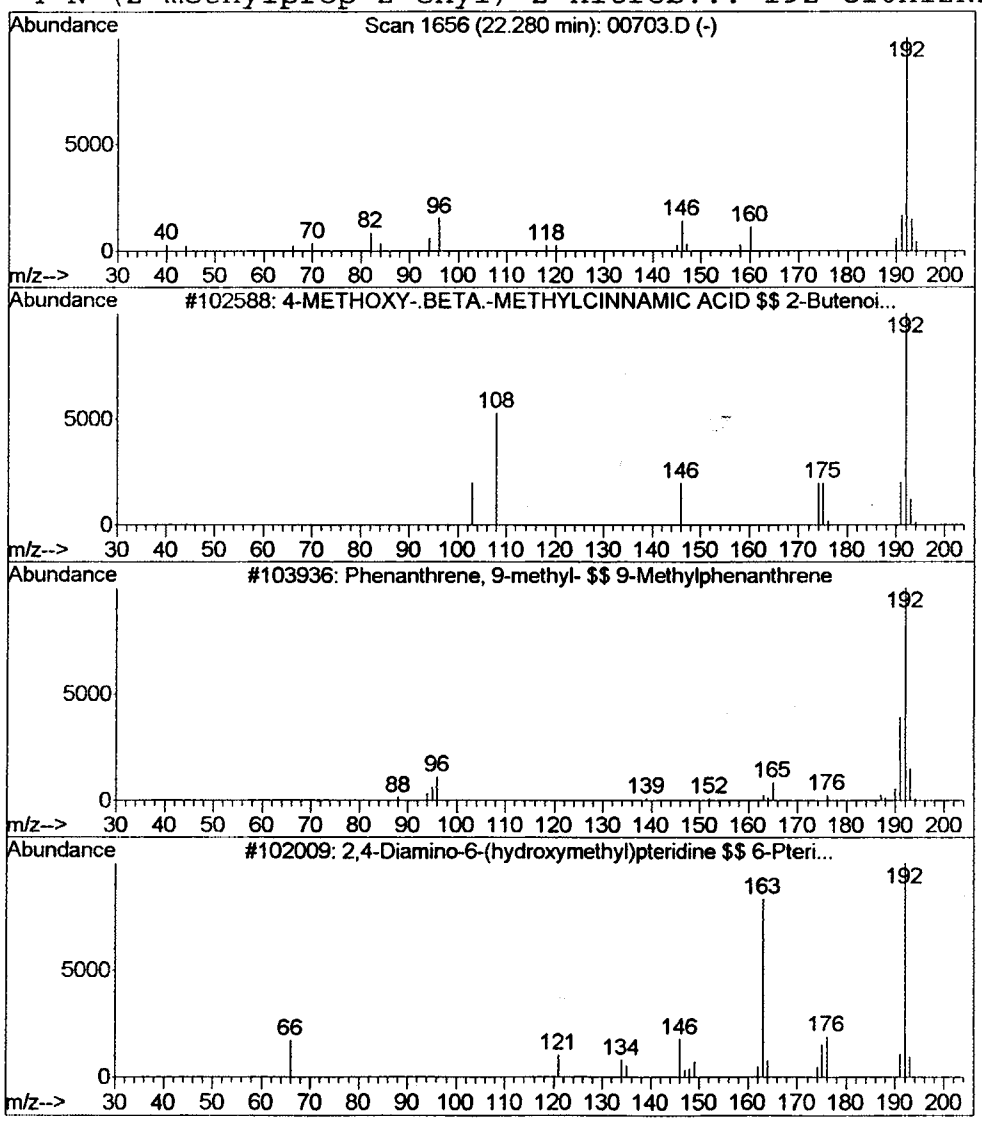
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

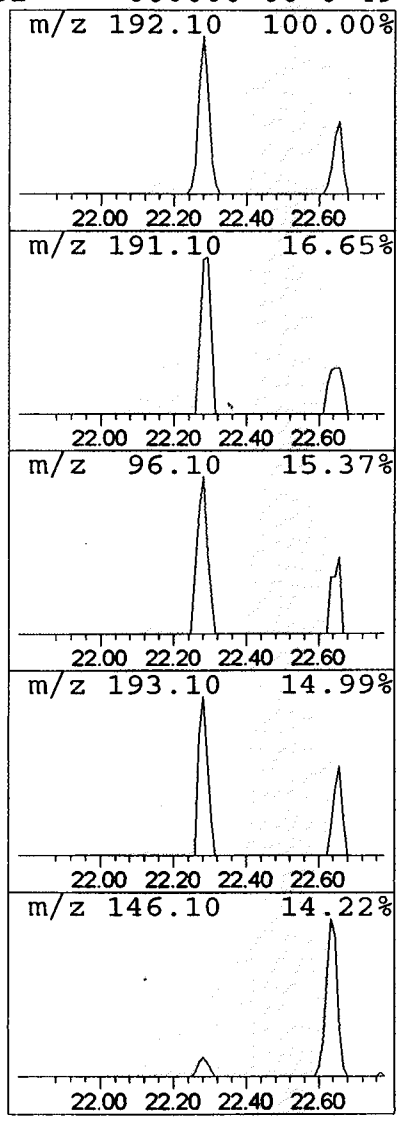
****

Peak Number 8 4-METHOXY-.BETA.-METHYLCINN... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.15 ug/L	85641	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	Phenanthrene, 9-methyl- $$ 9-Met...	192	C15H12	000883-20-5	59
3	2,4-Diamino-6-(hydroxymethyl)pte...	192	C7H8N6O	000945-24-4	53
4	N-(2-methylprop-2-enyl)-2-nitrob...	192	C10H12N2O2	000000-00-0	49





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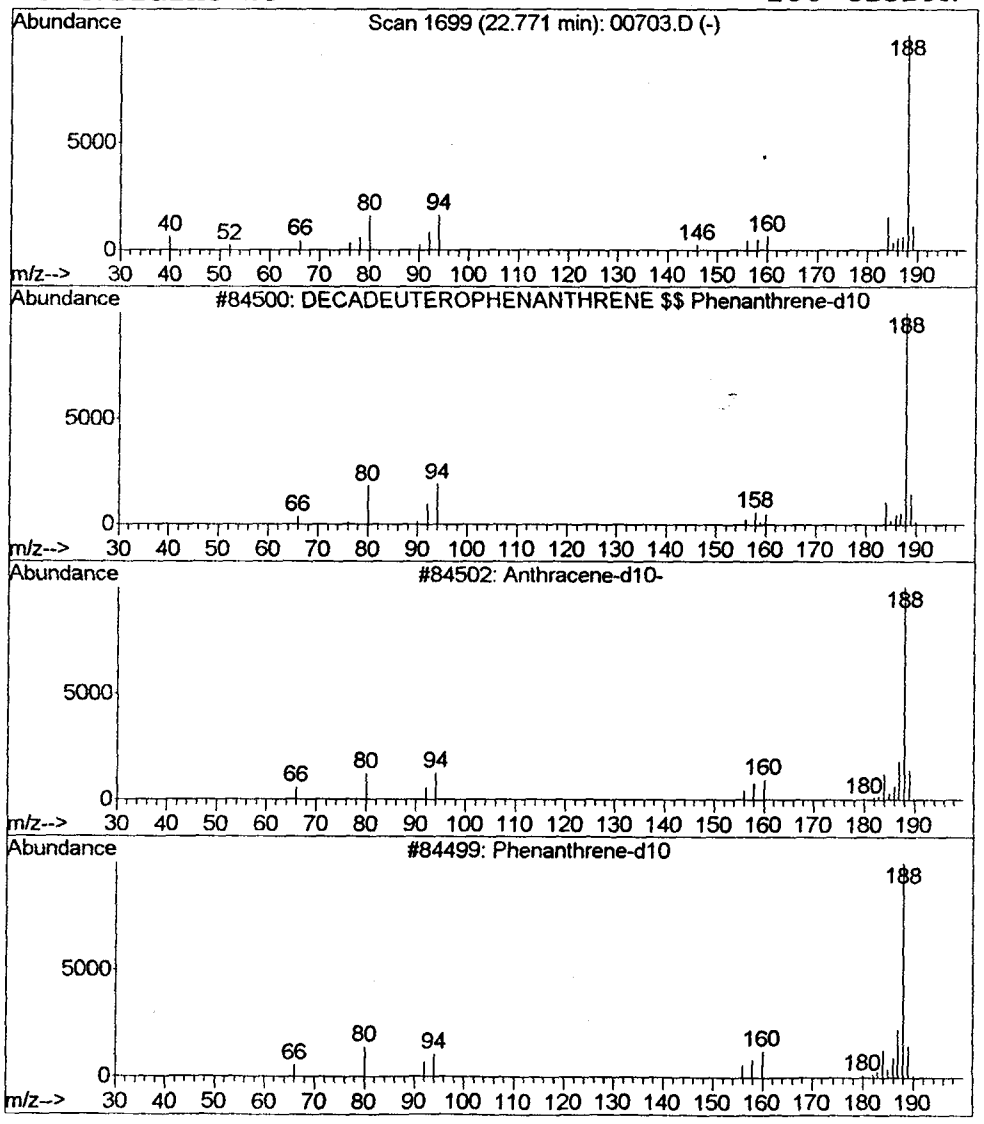
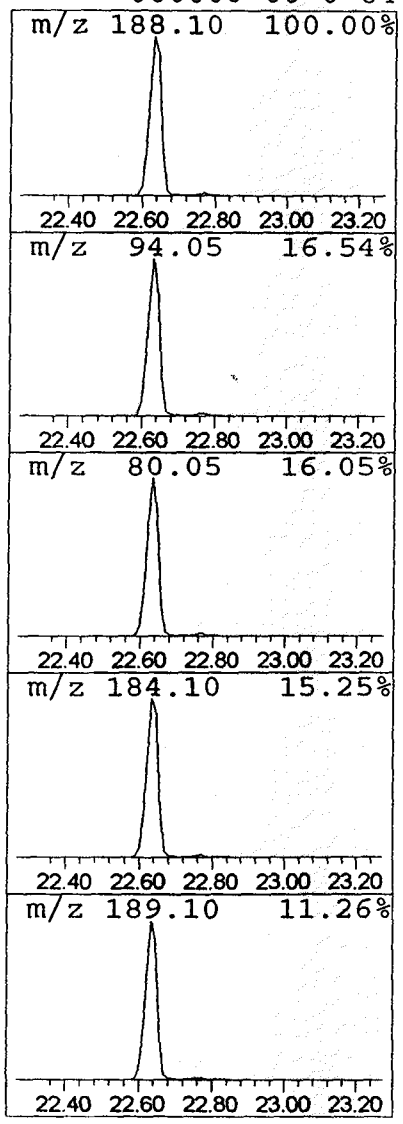
****

Peak Number 9 DECADEUTEROPHENANTHRENE $$ ... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.27 ug/L	160372	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	94
2	Anthracene-d10-	188	C14D10	001719-06-8	91
3	Phenanthrene-d10	188	C14D10	001517-22-2	64
4	Acridine-D9	188	C13D9N	000000-00-0	64





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN16\00703.D Vial: 3
Acq On : 16 Jan 2002 4:47 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

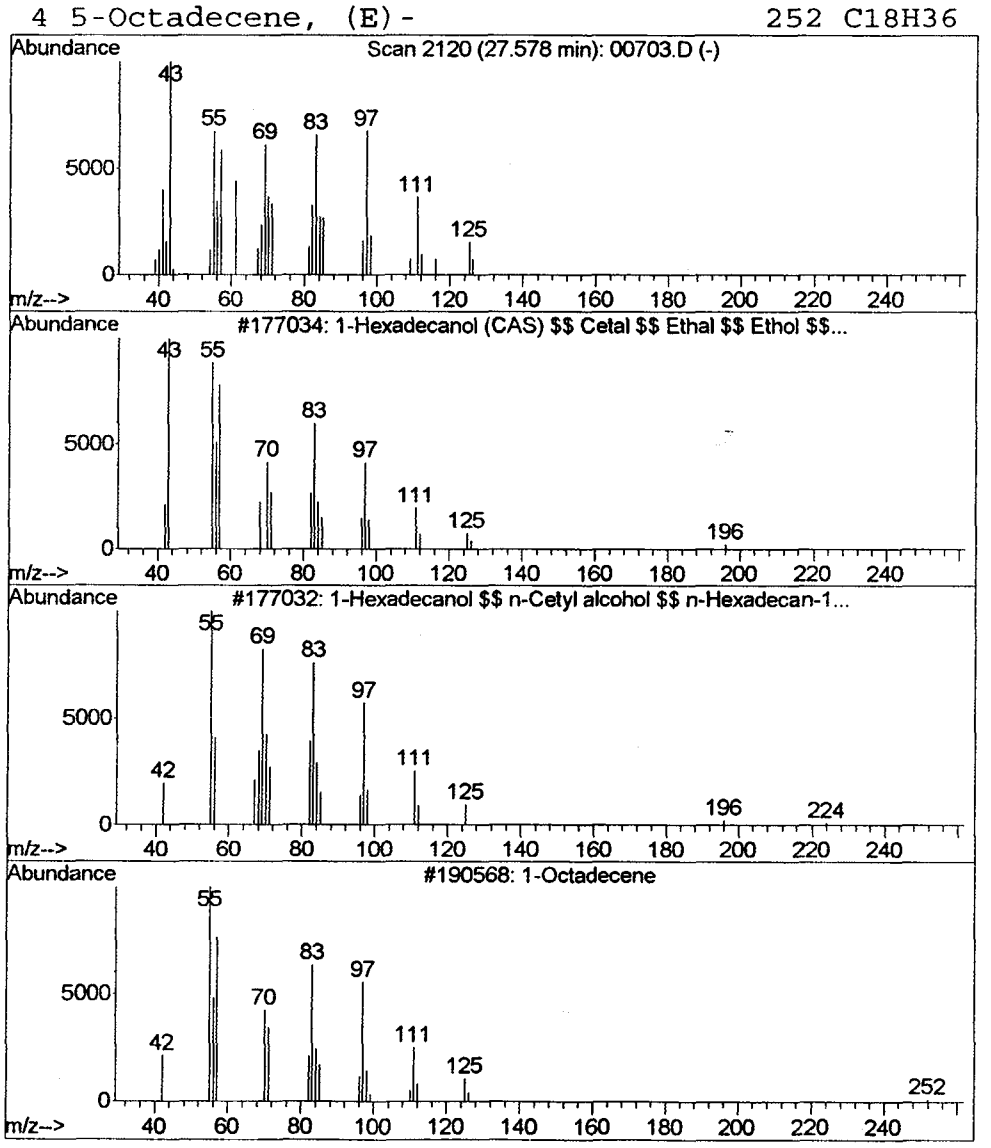
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

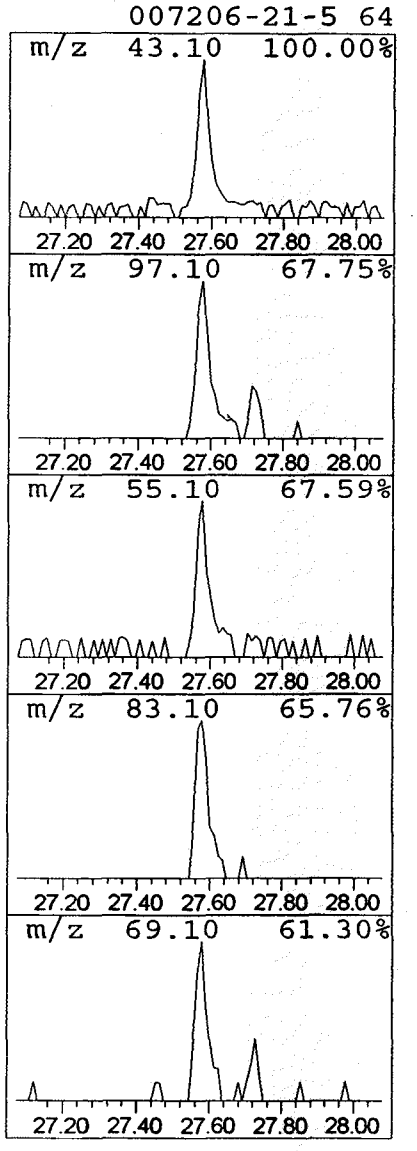
****

Peak Number 10 1-Hexadecanol (CAS) $$ Ceta... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.58	0.29 ug/L	167968	Chrysene-d12	30.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexadecanol (CAS) $$ Cetal $$ ...	242	C16H34O	036653-82-4	76
2	1-Hexadecanol $$ n-Cetyl alcohol...	242	C16H34O	036653-82-4	68
3	1-Octadecene	252	C18H36	000112-88-9	64
4	5-Octadecene, (E)-	252	C18H36	007206-21-5	64





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN16\00703.D Vial: 3
Acq On : 16 Jan 2002 4:47 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

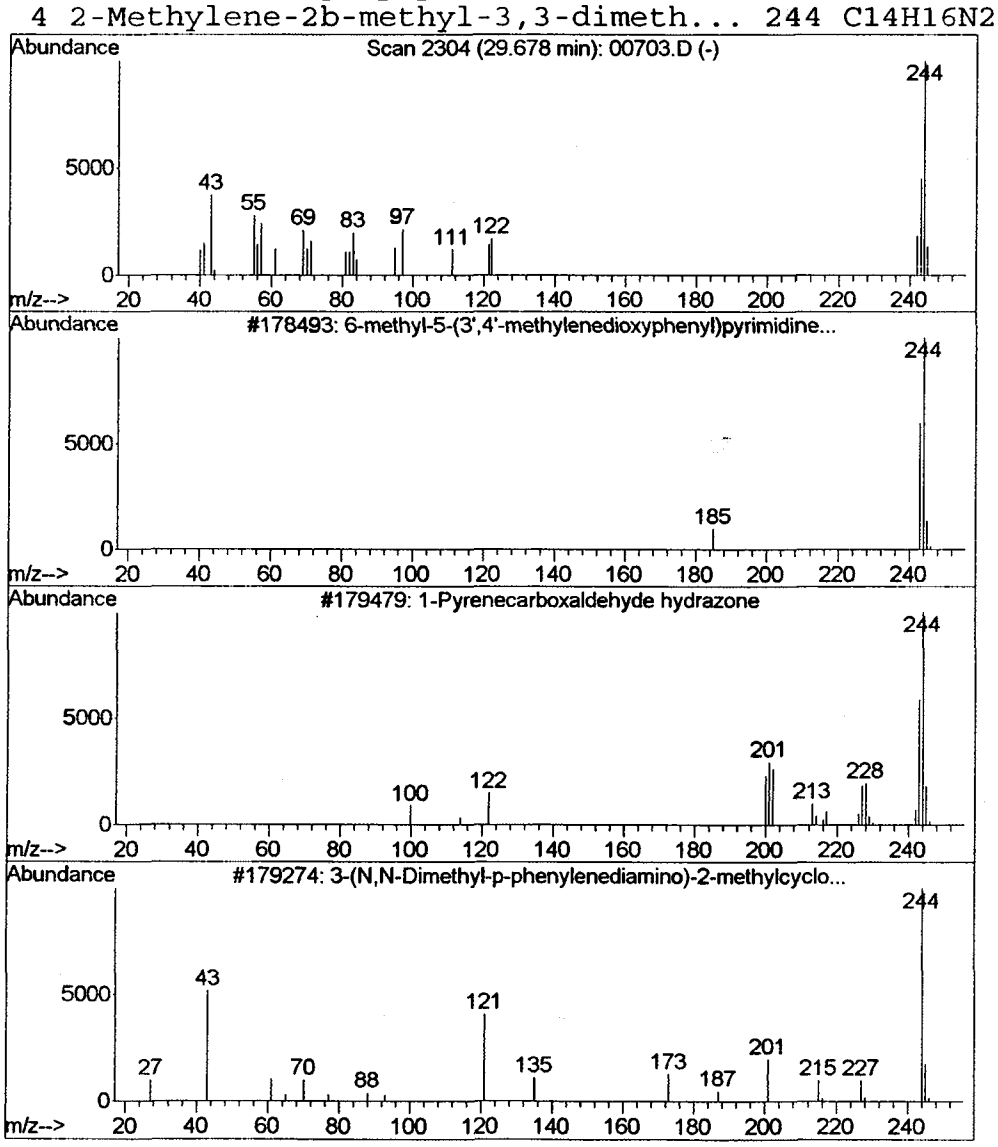
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

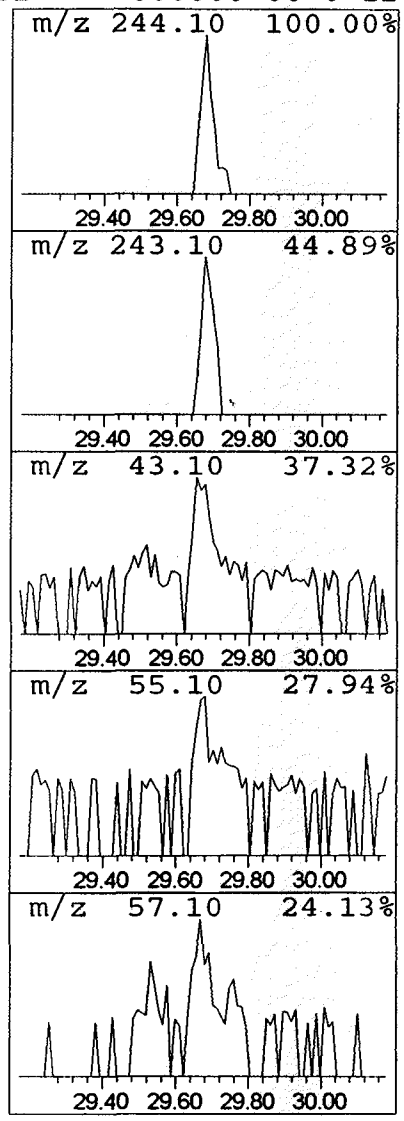
****

Peak Number 11 6-methyl-5-(3',4'-methylene... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.68	0.15 ug/L	83999	Chrysene-d12	30.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-methyl-5-(3',4'-methylenedioxy...	244	C12H12N4O2	000000-00-0	64 NO
2	1-Pyrenecarboxaldehyde hydrazone	244	C17H12N2	076465-53-7	40 GOOD
3	3-(N,N-Dimethyl-p-phenylenediami...	244	C15H20N2O	121942-68-5	27
4	2-Methylene-2b-methyl-3,3-dimeth...	244	C14H16N2O2	000000-00-0	12 MATCH





Operator ID: Date Acquired: 16 Jan 2002 4:47 pm
Data File: C:\MSDCHEM\1\5973N\02JAN16\00703.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
Pentanoic acid, 4...	4.25	0.2	ug/L	54288	1	9.71	6887280	20.0
2-Butenal, 3-meth...	4.85	0.3	ug/L	92841	1	9.71	6887280	20.0
Acetic acid, 3-[1...	5.89	4.3	ug/L	1488550	1	9.71	6887280	20.0
2-Propanone, 1,1,...	6.00	0.3	ug/L	96968	1	9.71	6887280	20.0
Ethanol, 2-butoxy-	7.44	0.4	ug/L	145313	1	9.71	6887280	20.0
Cyclohexene, 1-me...	10.10	0.2	ug/L	64621	1	9.71	6887280	20.0
Cyclopentasiloxan...	12.54	0.2	ug/L	109581	2	13.19	9915460	20.0
4-METHOXY-.BETA.-...	22.28	0.1	ug/L	85641	4	22.63	11703800	20.0
DECADEUTEROPHENAN...	22.77	0.3	ug/L	160372	4	22.63	11703800	20.0
1-Hexadecanol (CA...	27.58	0.3	ug/L	167968	5	30.49	11428600	20.0
5-methyl-5-(3',4'...	29.68	0.1	ug/L	83999	5	30.49	11428600	20.0