User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 02/01/2002 Time: 14:23:43

Sample: AE00615
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 2/1/02 14:23 Ended: 2/1/02 14:23 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		87		5.0

Comments for Sample AE00615 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 02-01-2002 Time: 15:12:46

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 5 of the 43 compounds in the LCS Standard were outside of their acceptance ranges.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN29\00615.D Vial: 4
Acq On : 29 Jan 2002 5:09 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 29, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 30 08:25:58 2002 Quant Results File: SCAN508.RES

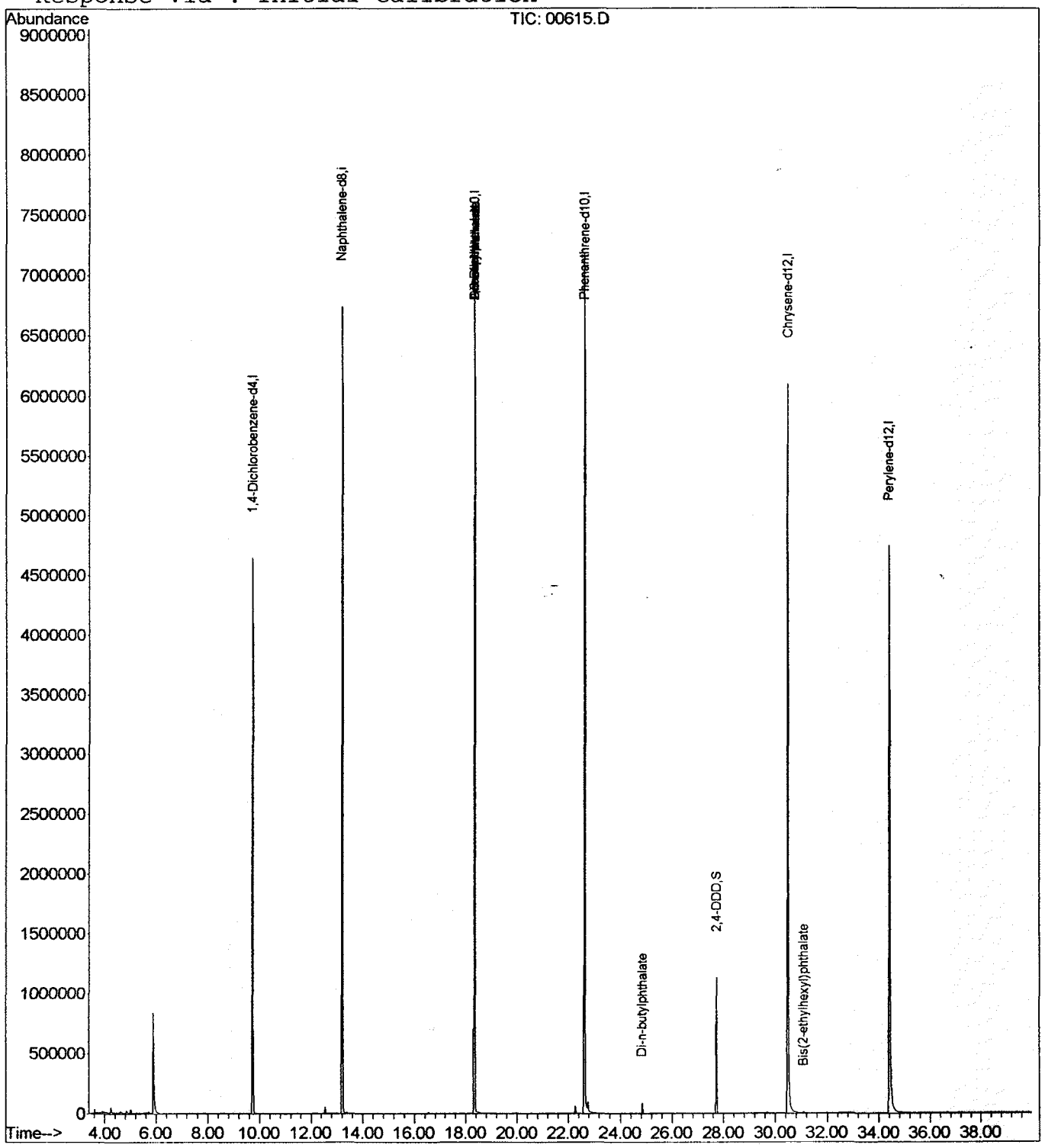
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Fri Jan 11 13:20:07 2002
Response via : Initial Calibration
DataAcq Meth : SCAN508

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.72	152	1634446	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	6920965	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	3669340	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.65	188	6105428	20.00	ug/L	-0.02
38) Chrysene-d12	30.50	240	5275682	20.00	ug/L	-0.01
44) Perylene-d12	34.42	264	3720825	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	419250	4.34	ug/L	0.00
Spiked Amount 5.000			Recovery = 86.80%			
Target Compounds						Qvalue
20) Dimethylphthalate	18.34	163	581246	2.40	ug/L #	56
21) 2,6-Dinitrotoluene	18.34	165	465428	9.85	ug/L #	17
35) Di-n-butylphthalate	24.85	149	102074	0.26	ug/L	100
42) Bis(2-ethylhexyl)phthalate	31.09	149	12372	0.60	ug/L	79

(#) = qualifier out of range (m) = manual integration
00615.D SCAN508.M Wed Jan 30 08:25:59 2002 Page 1

Data File : C:\MSDCHEM\1\5973N\02JAN29\00615.D Vial: 4
Acq On : 29 Jan 2002 5:09 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 29, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 30 8:25 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\02JAN29\00615.D Vial: 4
Acq On : 29 Jan 2002 5:09 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 29, 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

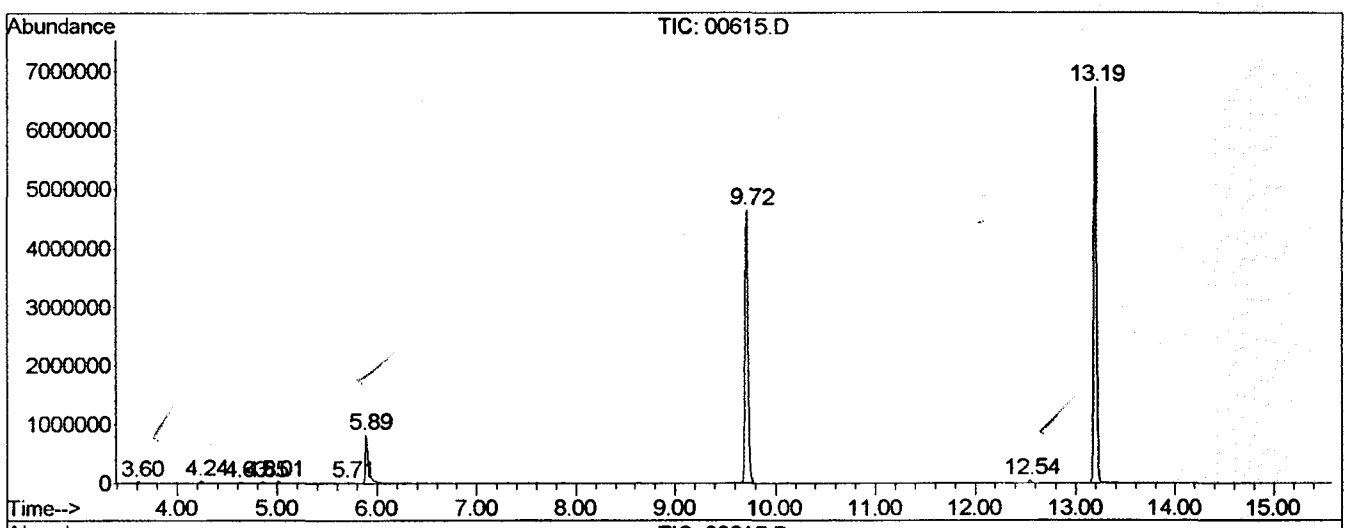
Signal : TIC

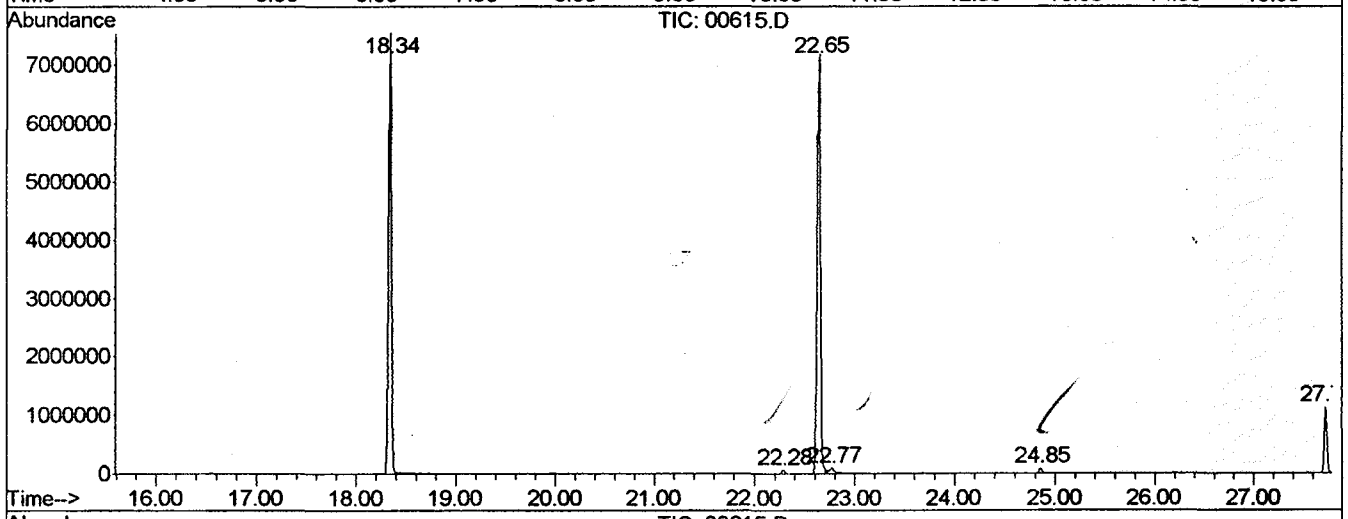
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.602	17	20	25	rBV	36653	63318	0.39%	0.073%
2	4.241	73	76	83	rBV3	43690	95632	0.59%	0.111%
3	4.630	103	110	117	rVB6	18098	58756	0.36%	0.068%
4	4.846	123	129	137	rBV2	24122	77171	0.48%	0.089%
5	5.006	141	143	151	rVB	34115	65318	0.40%	0.076%
6	5.714	203	205	209	rVB	19361	34583	0.21%	0.040%
7	5.885	217	220	241	rBV	832463	1836502	11.35%	2.123%
8	9.721	551	556	561	rBV	4639295	9315470	57.60%	10.770%
9	12.541	799	803	807	rVV	55350	91245	0.56%	0.105%
10	13.192	855	860	865	rBV	6732944	13343186	82.50%	15.427%
11	18.341	1305	1311	1315	rBV	7540038	14842650	91.77%	17.161%
12	22.280	1653	1656	1661	rBV2	62655	128677	0.80%	0.149%
13	22.645	1681	1688	1693	rBV2	7182710	16173915	100.00%	18.700%
14	22.771	1695	1699	1723	rVB	98367	374724	2.32%	0.433%
15	24.849	1877	1881	1887	rVV	89210	167452	1.04%	0.194%
16	27.726	2127	2133	2139	rBV	1132460	2050861	12.68%	2.371%
17	29.690	2299	2305	2315	rBV3	9456	36029	0.22%	0.042%
18	30.500	2369	2376	2381	rBV	6092414	15127263	93.53%	17.490%
19	31.105	2421	2429	2435	rBV5	10930	40978	0.25%	0.047%
20	34.416	2713	2719	2741	rBV	4734220	12567196	77.70%	14.530%

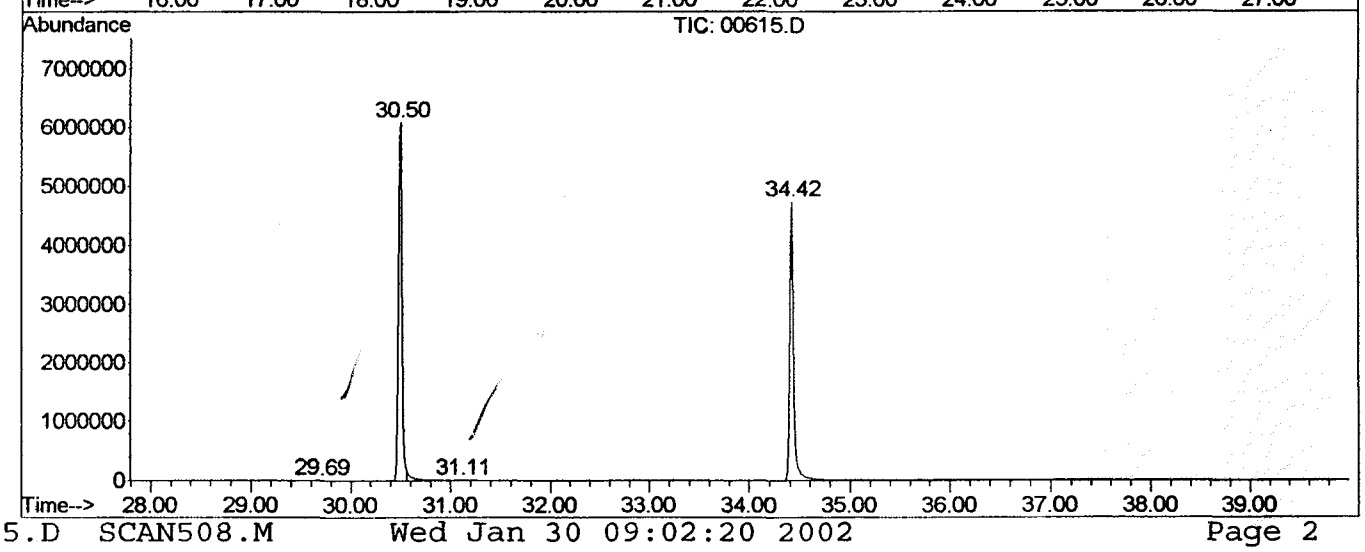
Sum of corrected areas: 86490926

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02JAN29\00615.D
Operator :
Acquired : 29 Jan 2002 5:09 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : January 29, 2002
Vial Number: 4
Quant File :SCAN508.RES (RTE Integrator)







Data File : C:\MSDCHEM\1\5973N\02JAN29\00615.D Vial: 4
Acq On : 29 Jan 2002 5:09 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 29, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

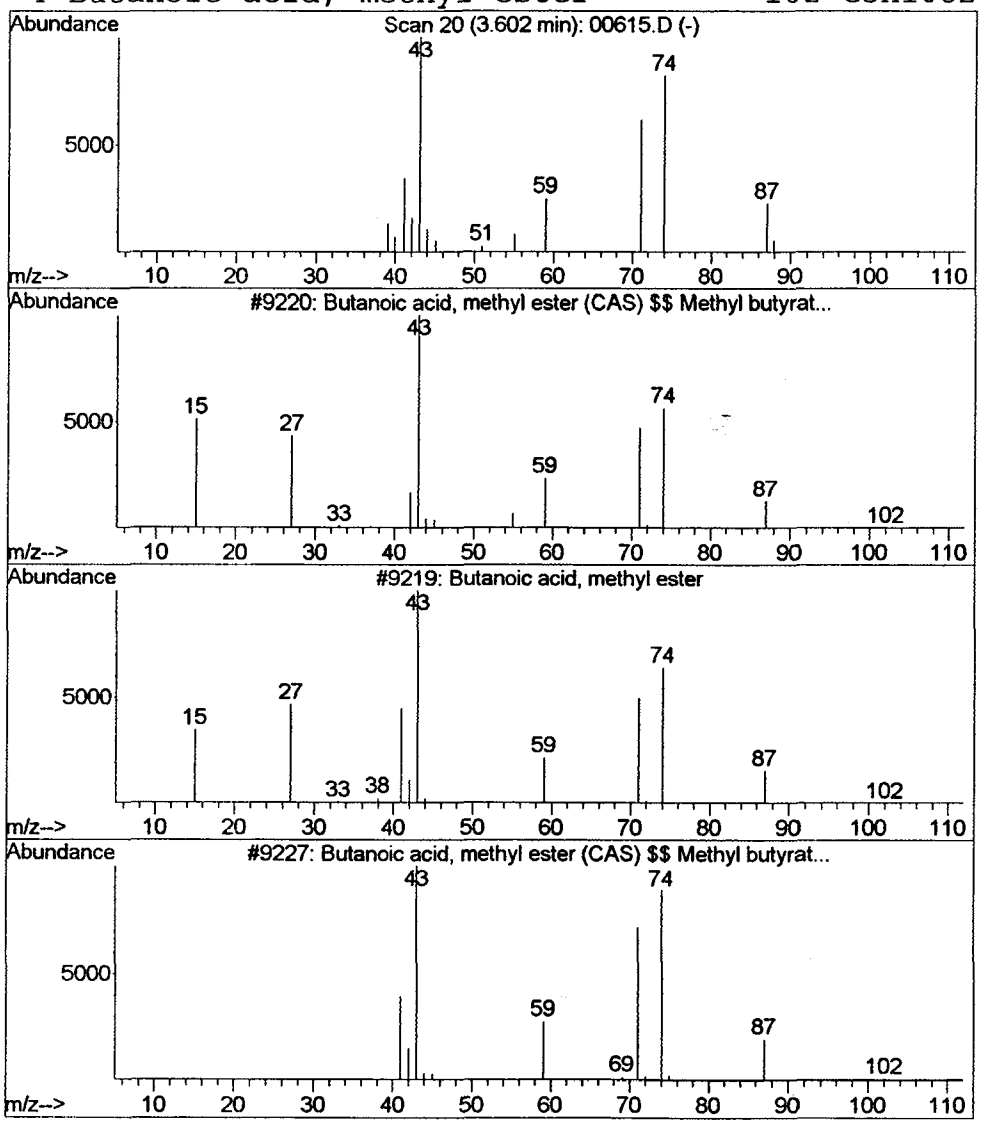
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

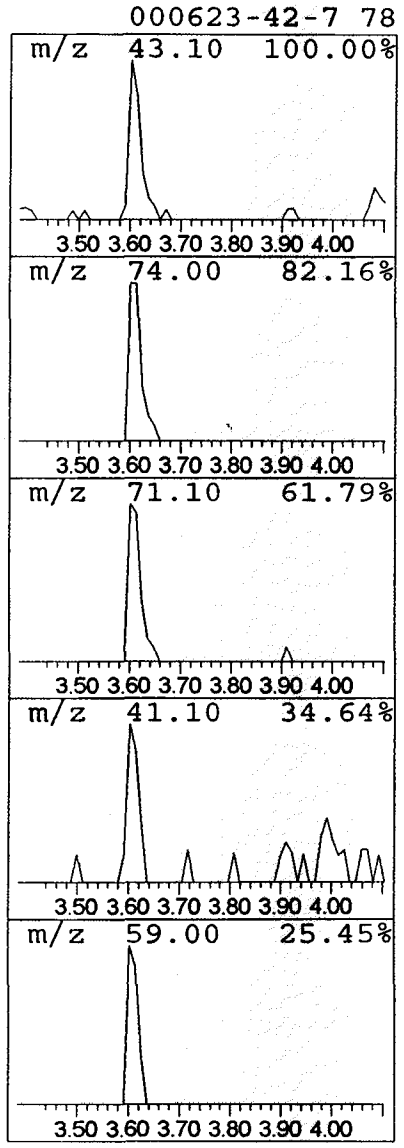
****

Peak Number 1 Butanoic acid, methyl ester... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.60	0.14 ug/L	63318	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	83
2	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	78
3	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	78
4	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	78





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN29\00615.D Vial: 4
Acq On : 29 Jan 2002 5:09 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 29, 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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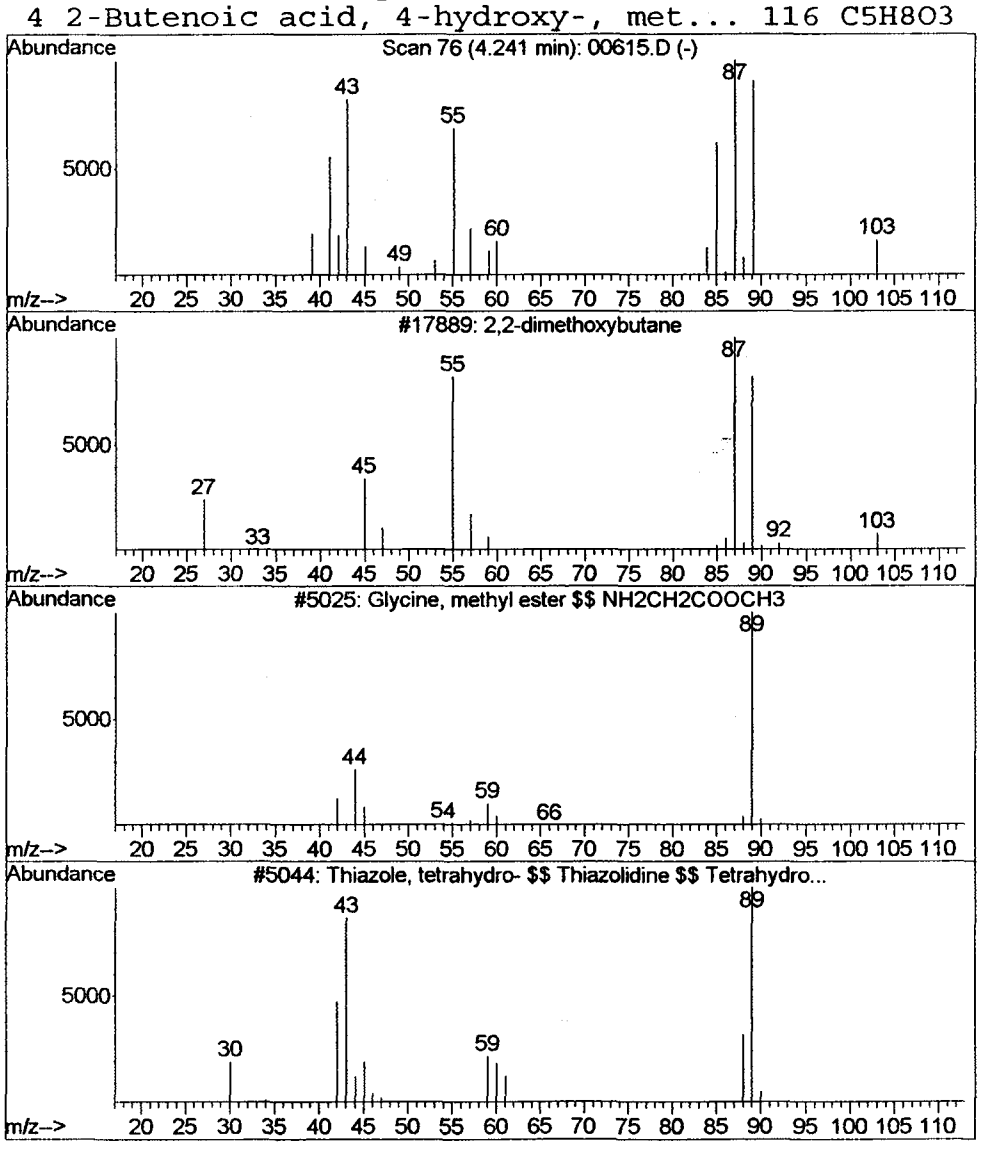
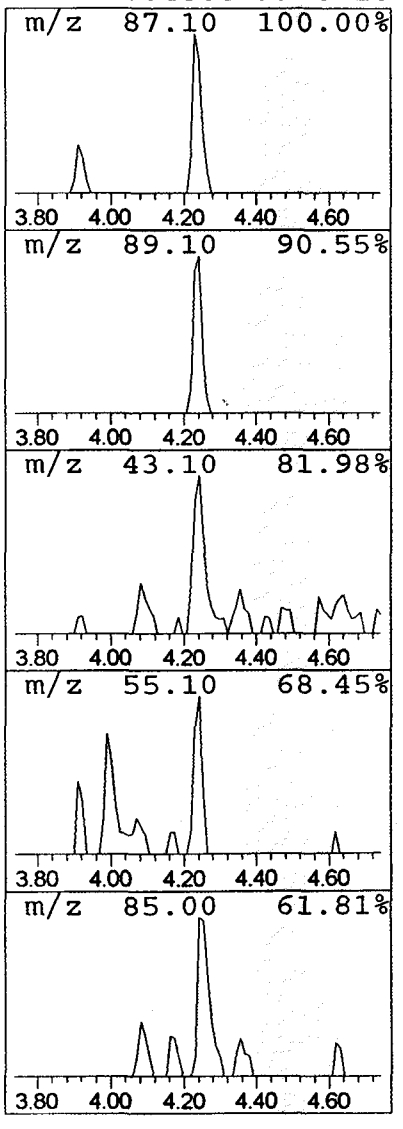
Peak Number 2 2,2-dimethoxybutane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.24	0.21 ug/L	95632	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-dimethoxybutane	118	C6H14O2	003453-99-4	50
2	Glycine, methyl ester $$ NH2CH2C...	89	C3H7NO2	000616-34-2	40
3	Thiazole, tetrahydro- $$ Thiazol...	89	C3H7NS	000504-78-9	40
4	2-Butenoic acid, 4-hydroxy-, met...	116	C5H8O3	004508-99-0	10





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN29\00615.D Vial: 4
Acq On : 29 Jan 2002 5:09 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 29, 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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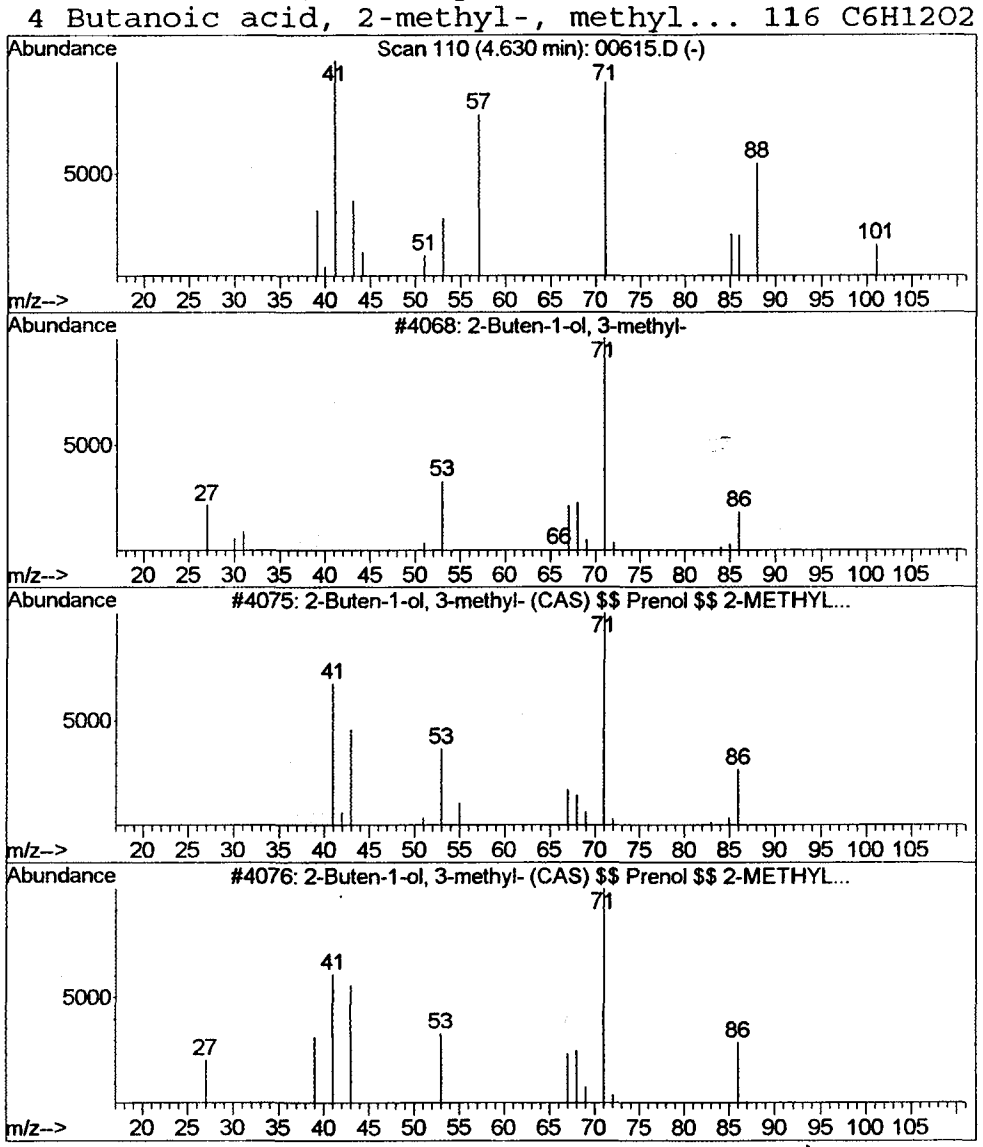
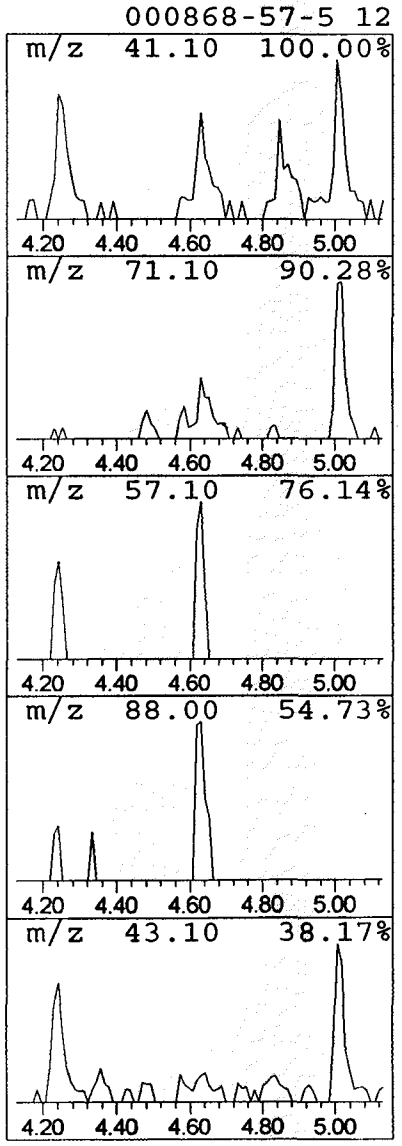
Peak Number 3 2-Buten-1-ol, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.63	0.13 ug/L	58756	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	2-Buten-1-ol, 3-methyl- (CAS) $$...	86	C5H10O	000556-82-1	37
3	2-Buten-1-ol, 3-methyl- (CAS) $$...	86	C5H10O	000556-82-1	32
4	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	12





Data File : C:\MSDCHEM\1\5973N\02JAN29\00615.D Vial: 4
Acq On : 29 Jan 2002 5:09 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 29, 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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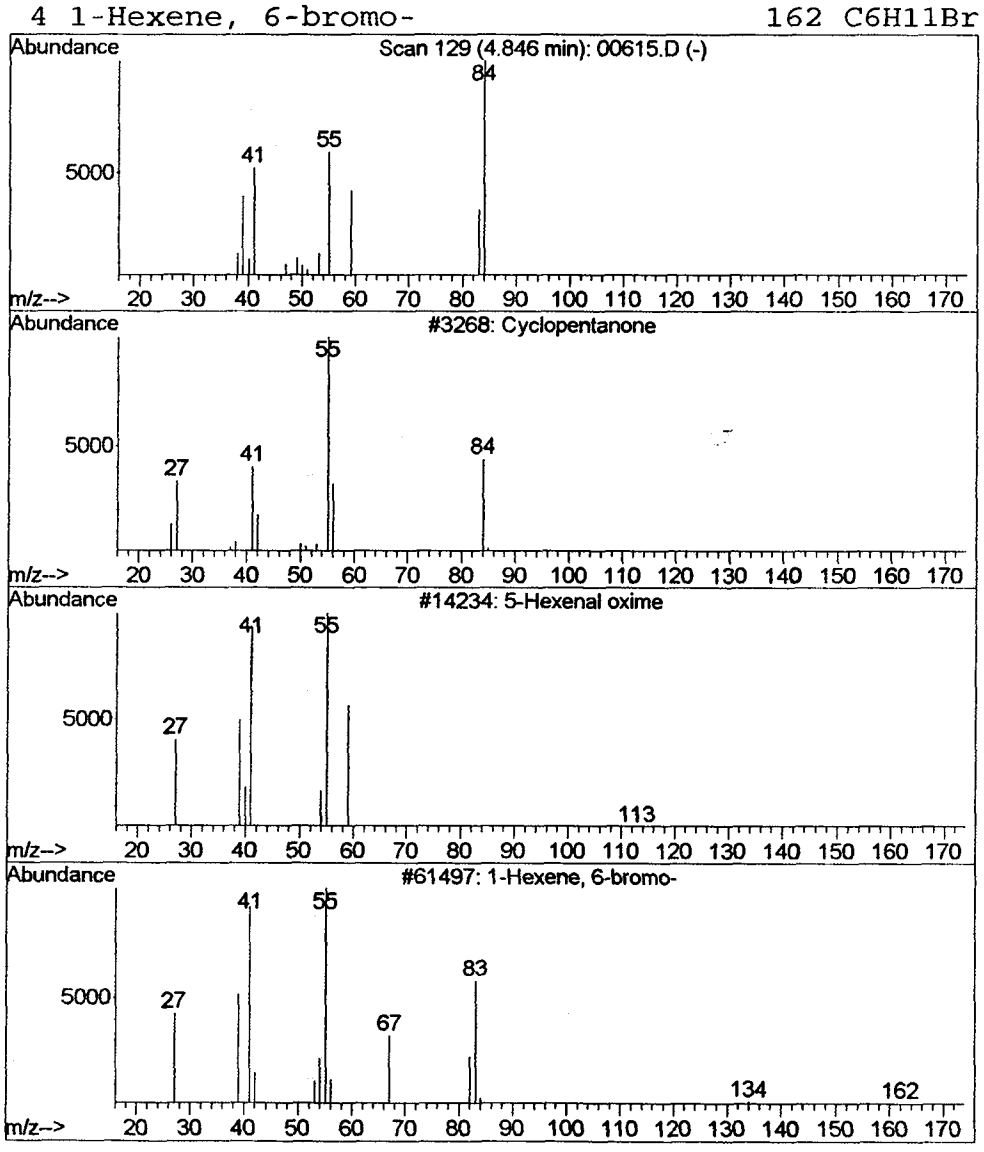
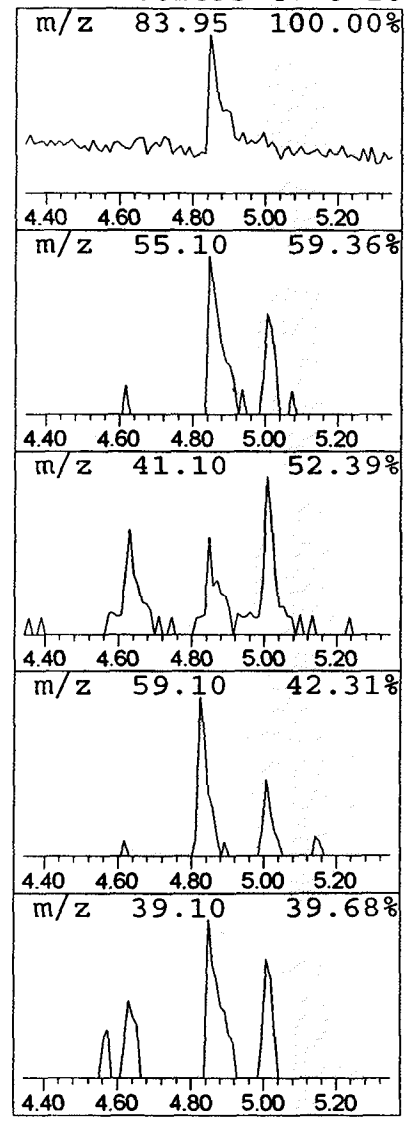
Peak Number 4 Cyclopentanone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	0.17 ug/L	77171	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone	84	C5H8O	000120-92-3	25
2	5-Hexenal oxime	113	C6H11NO	057606-82-3	12
3	1-Hexene, 6-bromo-	162	C6H11Br	002695-47-8	10
4	1-Hexene, 6-bromo-	162	C6H11Br	002695-47-8	10





Data File : C:\MSDCHEM\1\5973N\02JAN29\00615.D Vial: 4
Acq On : 29 Jan 2002 5:09 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 29, 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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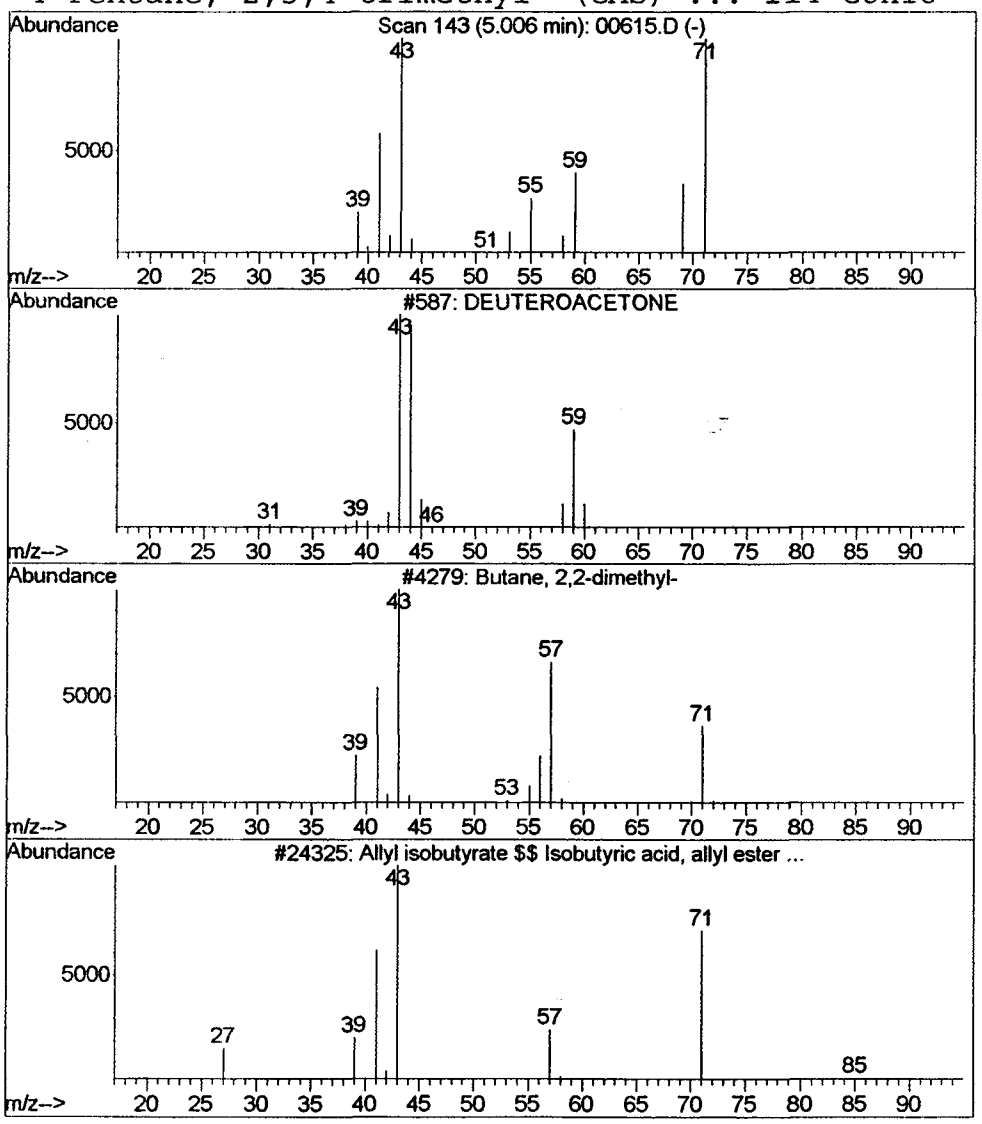
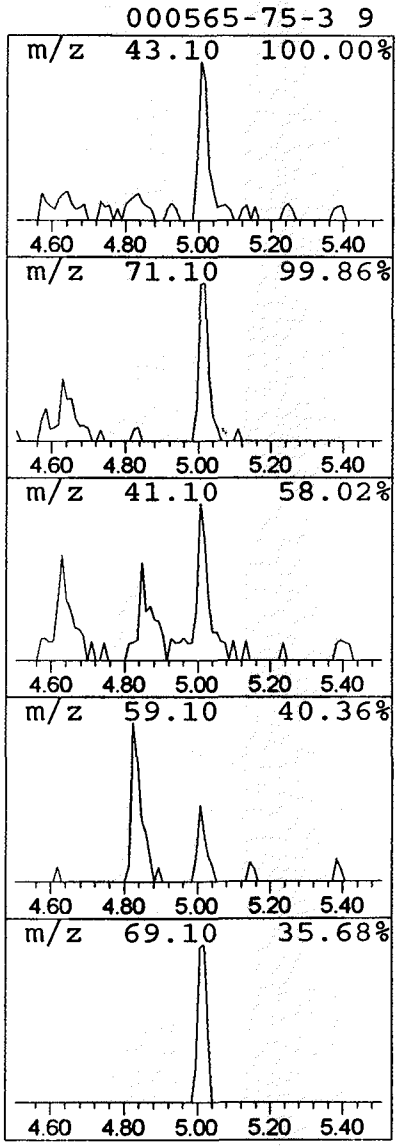
Peak Number 5 DEUTEROACETONE Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	0.14 ug/L	65318	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	DEUTEROACETONE	59	C3H5DO	004468-52-4	9
2	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	9
3	Allyl isobutyrate $$ Isobutyric ...	128	C7H12O2	015727-77-2	9
4	Pentane, 2,3,4-trimethyl- (CAS) ...	114	C8H18	000565-75-3	9





Data File : C:\MSDCHEM\1\5973N\02JAN29\00615.D Vial: 4
Acq On : 29 Jan 2002 5:09 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 29, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

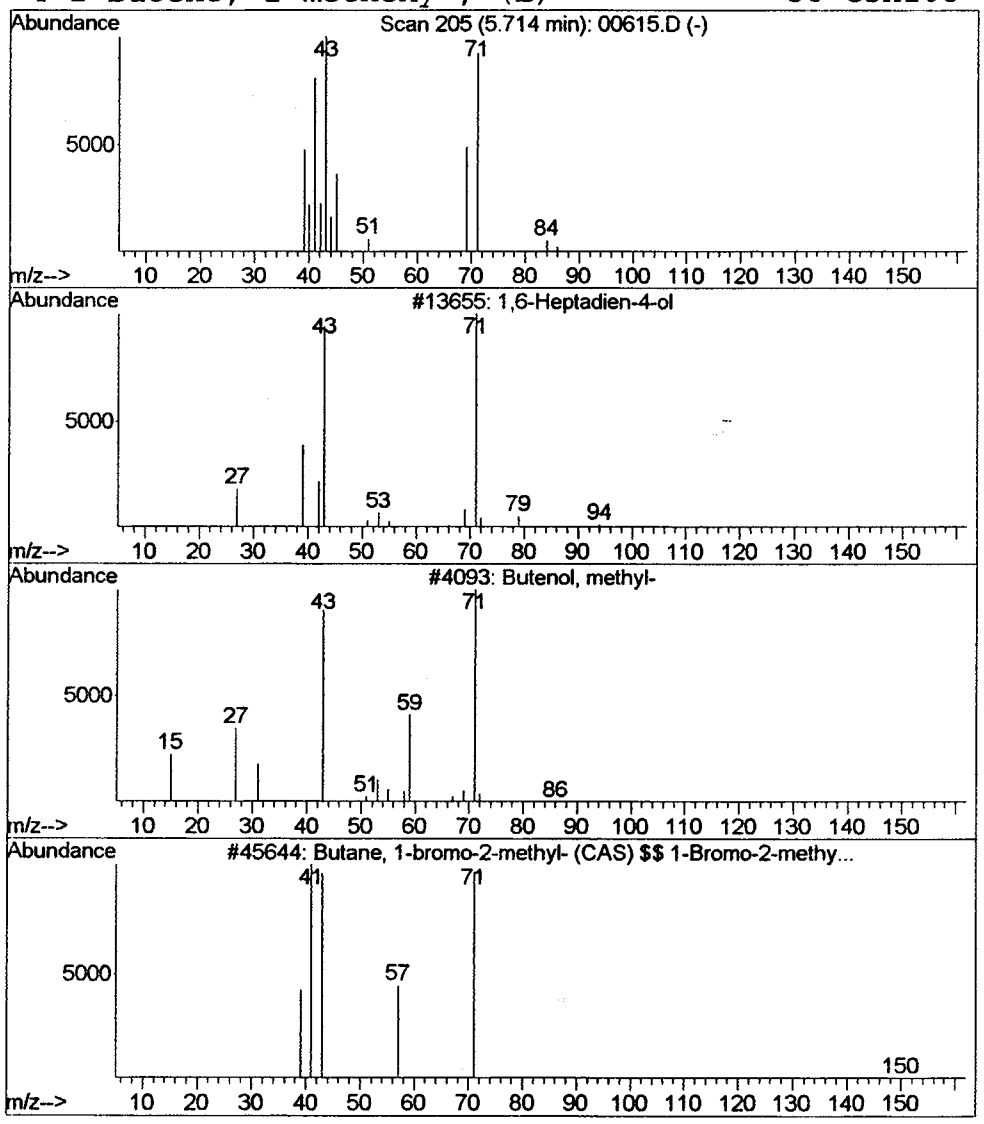
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

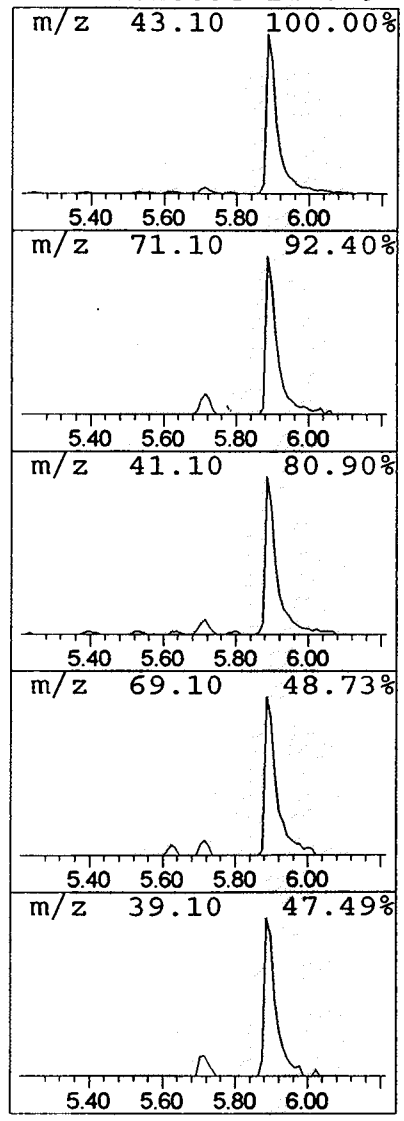
****

Peak Number 6 1,6-Heptadien-4-ol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.71	0.07 ug/L	34583	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,6-Heptadien-4-ol	112	C7H12O	002883-45-6	39
2	Butenol, methyl-	86	C5H10O	060766-00-9	9
3	Butane, 1-bromo-2-methyl- (CAS) ...	150	C5H11Br	010422-35-2	9
4	2-Butene, 1-methoxy-, (E)-	86	C5H10O	010034-14-7	9





Data File : C:\MSDCHEM\1\5973N\02JAN29\00615.D Vial: 4
Acq On : 29 Jan 2002 5:09 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 29, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

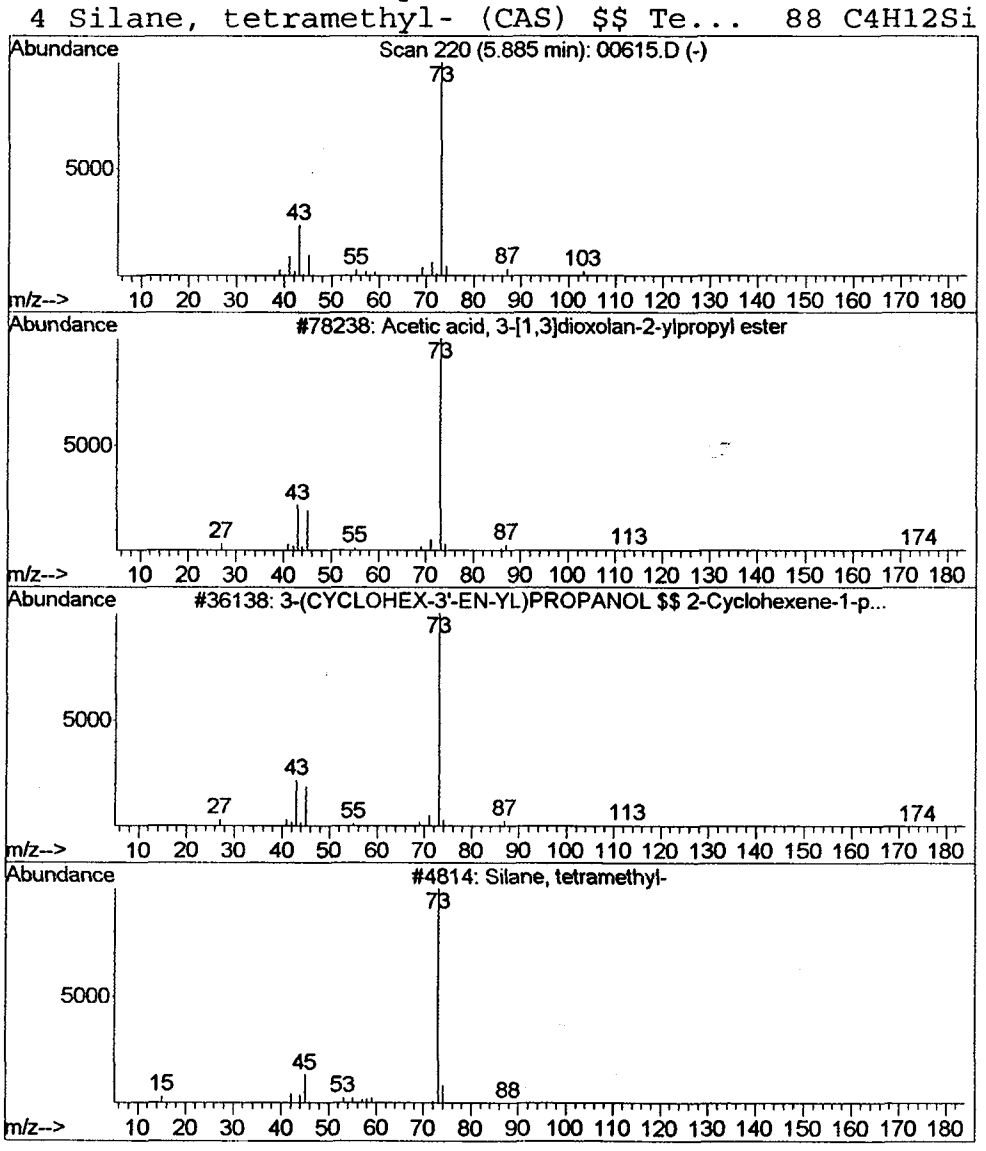
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

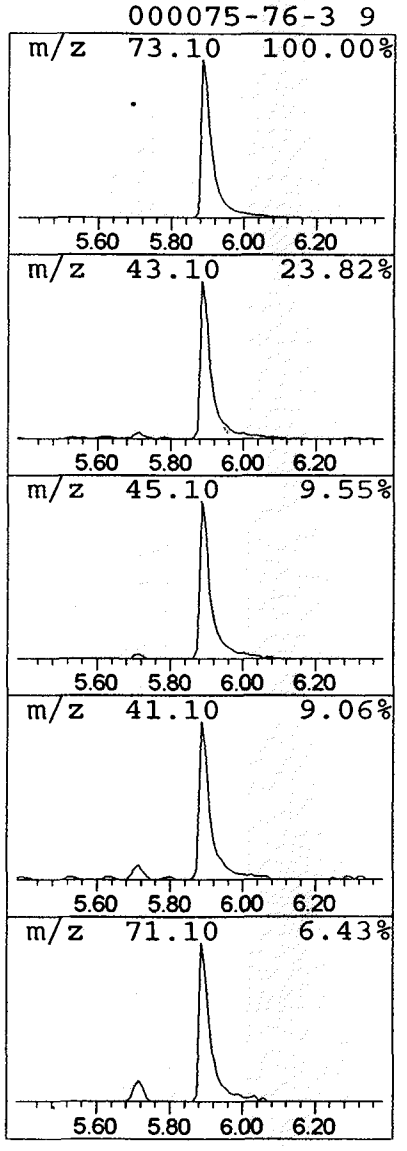
****

Peak Number 7 Acetic acid, 3-[1,3]dioxola... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	3.94 ug/L	1836500	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 $$...	174	C8H14O4	015745-87-6	33
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	25
4	Silane, tetramethyl- (CAS) $$ Te...	88	C4H12Si	000075-76-3	9





Data File : C:\MSDCHEM\1\5973N\02JAN29\00615.D Vial: 4
Acq On : 29 Jan 2002 5:09 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 29, 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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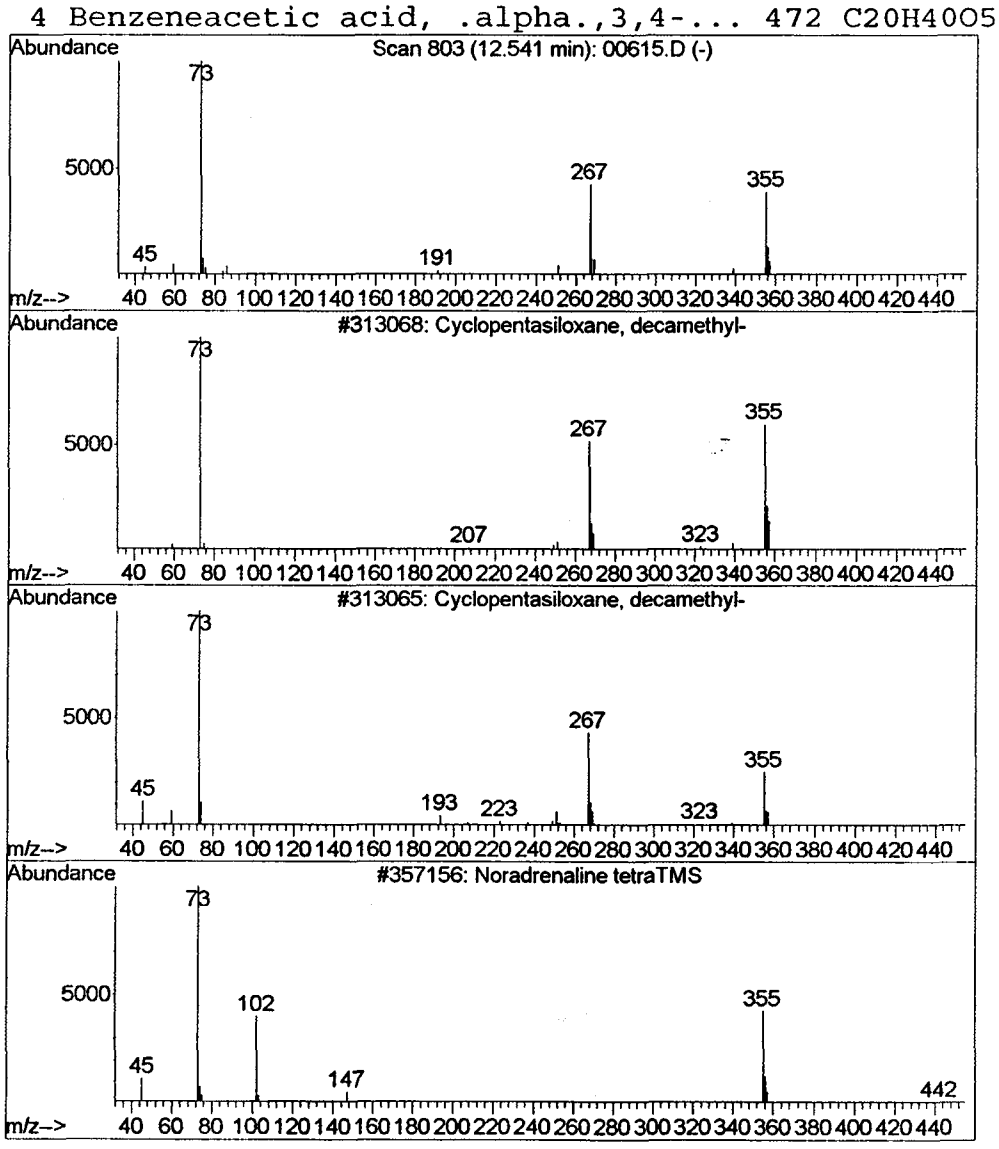
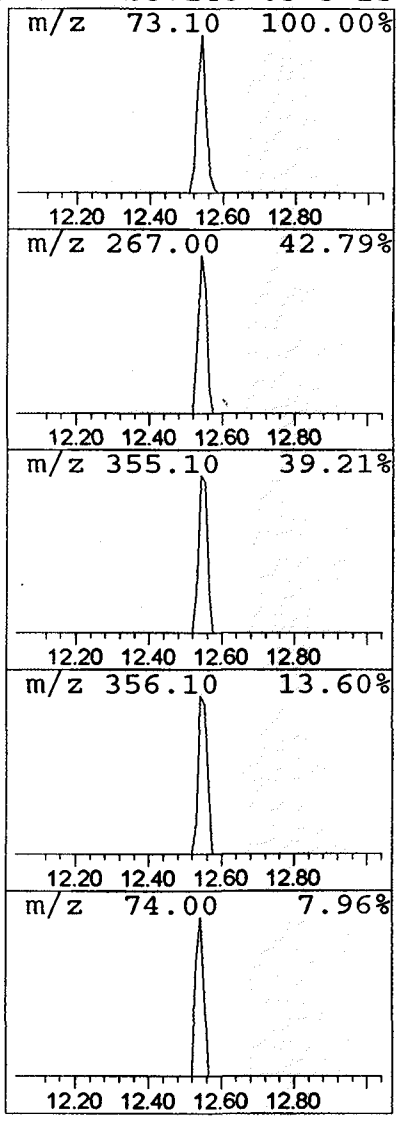
Peak Number 8 Cyclopentasiloxane, decamet... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	0.14 ug/L	91245	Naphthalene-d8	13.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	90
2	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	42
3	Noradrenaline tetraTMS	457	C20H43NO3Si4	068595-65-3	37
4	Benzeneacetic acid, .alpha.,3,4-...	472	C20H40O5Si4	037148-65-5	25





Library Search Compound Report

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Acq On : 29 Jan 2002 5:09 pm Operator:
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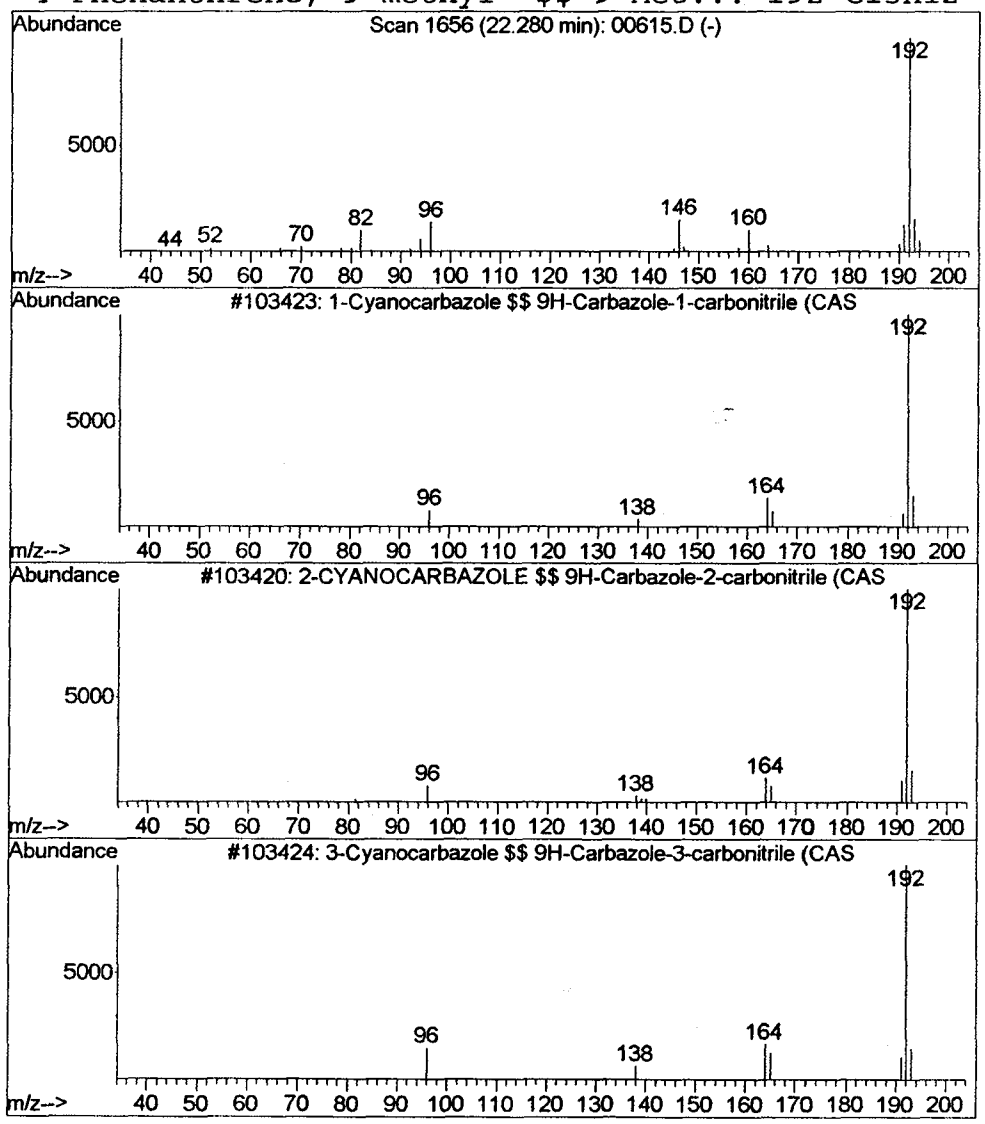
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

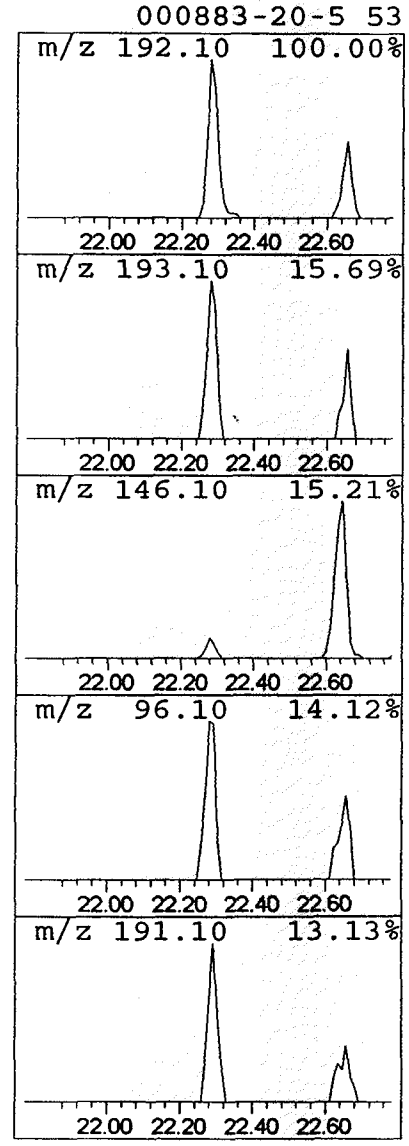
****

Peak Number 9 1-Cyanocarbazole $$ 9H-Carb... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.16 ug/L	128677	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Cyanocarbazole $$ 9H-Carbazole...	192	C13H8N2	083415-88-7	72
2	2-CYANOCARBAZOLE $$ 9H-Carbazole...	192	C13H8N2	057955-18-7	64
3	3-Cyanocarbazole $$ 9H-Carbazole...	192	C13H8N2	057102-93-9	59
4	Phenanthrene, 9-methyl- $$ 9-Met...	192	C15H12	000883-20-5	53





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN29\00615.D Vial: 4
Acq On : 29 Jan 2002 5:09 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 29, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

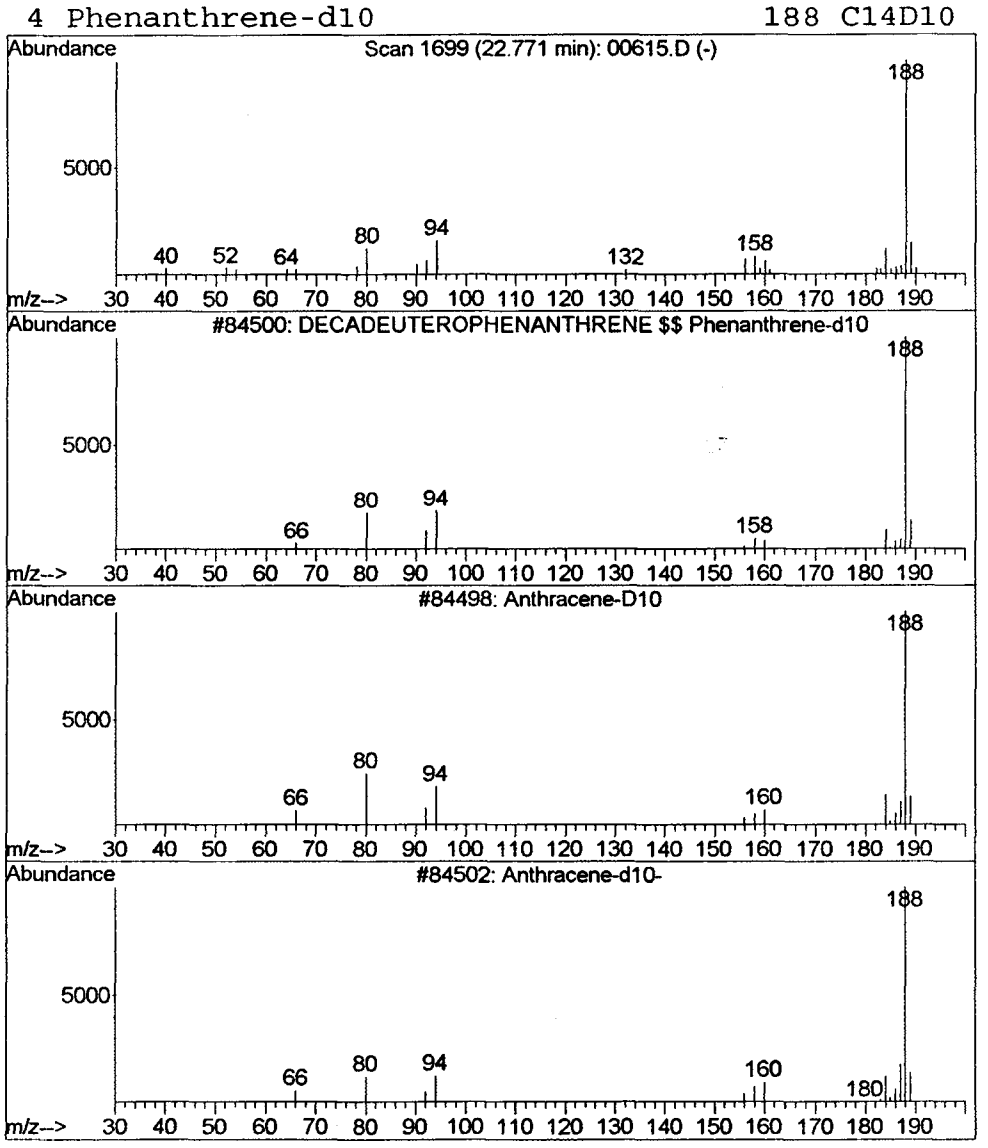
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

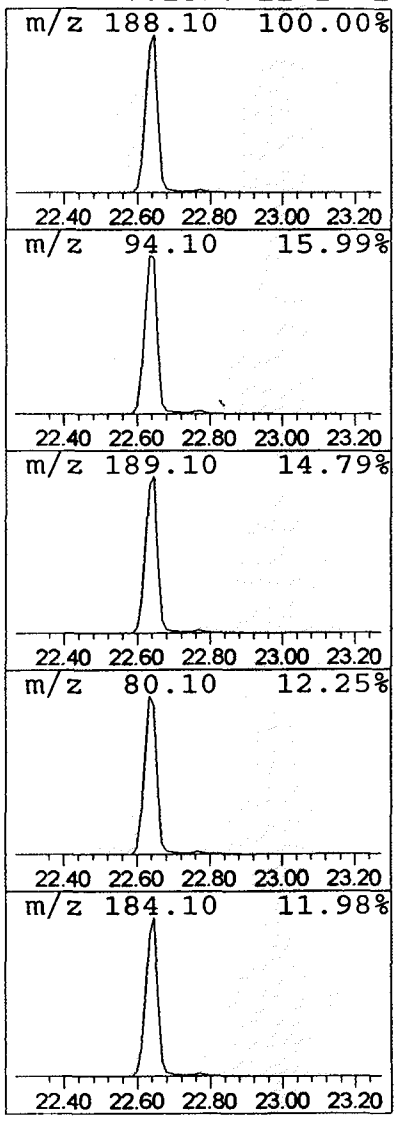
****

Peak Number 10 DECADEUTEROPHENANTHRENE $$ ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.46 ug/L	374724	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	91
2	Anthracene-D10	188	C14D10	000000-00-0	91
3	Anthracene-d10-	188	C14D10	001719-06-8	90
4	Phenanthrene-d10	188	C14D10	001517-22-2	72





Data File : C:\MSDCHEM\1\5973N\02JAN29\00615.D Vial: 4
Acq On : 29 Jan 2002 5:09 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 29, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

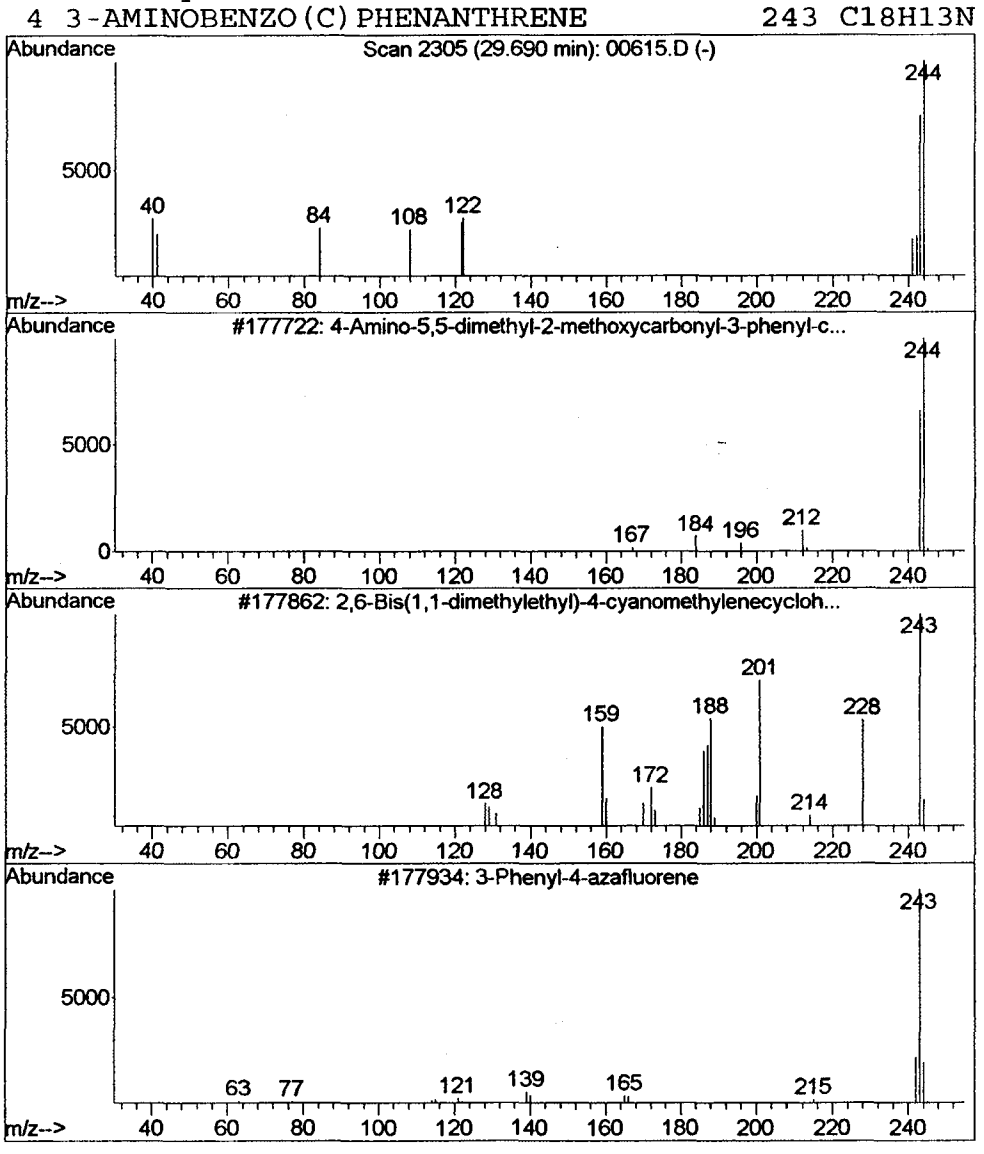
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

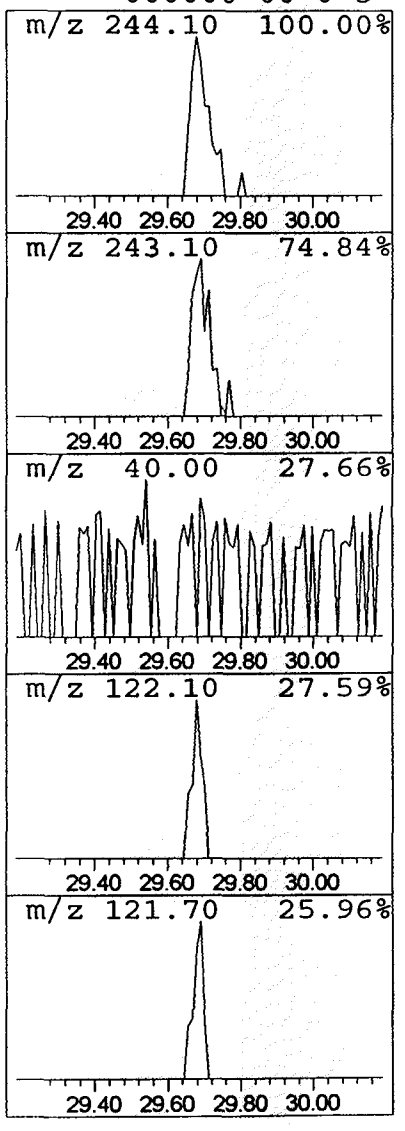
****

Peak Number 11 4-Amino-5,5-dimethyl-2-meth... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.69	0.05 ug/L	36029	Chrysene-d12	30.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Amino-5,5-dimethyl-2-methoxyca...	243	C15H17NO2	118089-29-5	5
2	2,6-Bis(1,1-dimethylethyl)-4-cya...	243	C16H21NO	007062-57-9	5
3	3-Phenyl-4-azafluorene	243	C18H13N	000000-00-0	5
4	3-AMINOBENZO(C)PHENANTHRENE	243	C18H13N	000000-00-0	5





Operator ID: Date Acquired: 29 Jan 2002 5:09 pm
Data File: C:\MSDCHEM\1\5973N\02JAN29\00615.D
Name: 508 scan
Misc: January 29, 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
Butanoic acid, me...	3.60	0.1	ug/L	63318	1	9.72	9315470	20.0
2,2-dimethoxybutane	4.24	0.2	ug/L	95632	1	9.72	9315470	20.0
2-Buten-1-ol, 3-m...	4.63	0.1	ug/L	58756	1	9.72	9315470	20.0
Cyclopentanone	4.85	0.2	ug/L	77171	1	9.72	9315470	20.0
DEUTEROACETONE	5.01	0.1	ug/L	65318	1	9.72	9315470	20.0
1,6-Heptadien-4-ol	5.71	0.1	ug/L	34583	1	9.72	9315470	20.0
Acetic acid, 3-[1...	5.89	3.9	ug/L	1836500	1	9.72	9315470	20.0
Cyclopentasiloxan...	12.54	0.1	ug/L	91245	2	13.19	13343200	20.0
1-Cyanocarbazole ...	22.28	0.2	ug/L	128677	4	22.65	16173900	20.0
DECADEUTEROPHENAN...	22.77	0.5	ug/L	374724	4	22.65	16173900	20.0
4-Amino-5,5-dimet...	29.69	0.0	ug/L	36029	5	30.50	15127300	20.0