User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/28/2002 Time: 15:33:51

Sample: AD31671
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/28/02 15:33 Ended: 1/28/02 15:33 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		84		5.0

Comments for Sample AD31671 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-28-2002 Time: 15:33:54

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
The recoveries for 2 of the 43 compounds in the LCS Standard were above their acceptance ranges.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN17\31671.D Vial: 6
Acq On : 17 Jan 2002 6:59 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 17, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 22 08:30:17 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

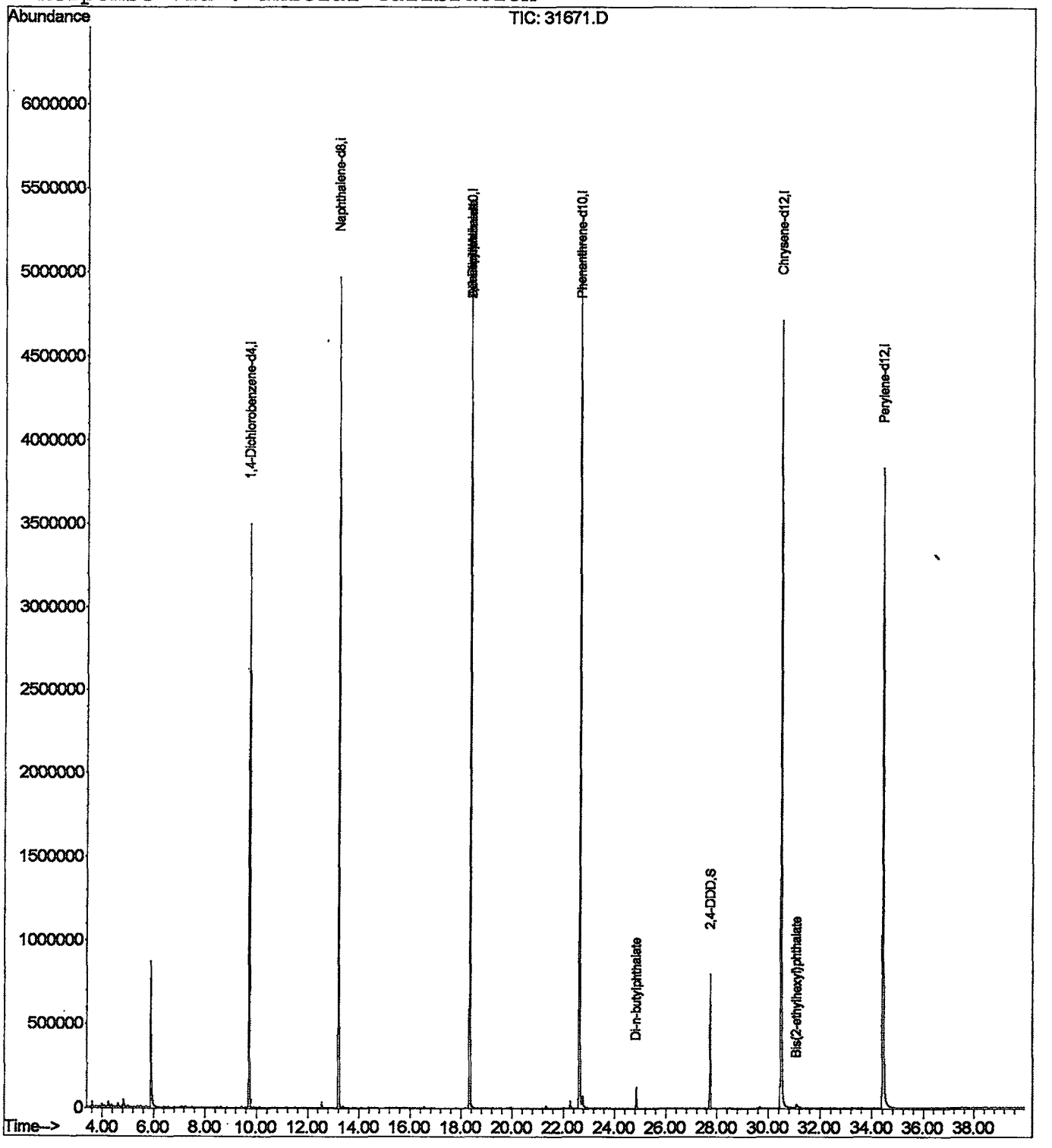
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.71	152	1176438	20.00	ug/L	-0.01
10) Naphthalene-d8	13.19	136	4934925	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	2623451	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.65	188	4434439	20.00	ug/L	-0.02
38) Chrysene-d12	30.50	240	4008332	20.00	ug/L	-0.01
44) Perylene-d12	34.42	264	2946300	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	292707	4.18	ug/L	0.00
Spiked Amount 5.000			Recovery = 83.60%			
Target Compounds						Qvalue
20) Dimethylphthalate	18.34	163	423083	2.44	ug/L #	56
21) 2,6-Dinitrotoluene	18.34	165	334179	9.89	ug/L #	17
35) Di-n-butylphthalate	24.85	149	141307	0.49	ug/L	100
42) Bis(2-ethylhexyl)phthalate	31.11	149	26181	0.68	ug/L	94

(#) = qualifier out of range (m) = manual integration
31671.D SCAN508.M Tue Jan 22 08:30:18 2002 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN17\31671.D Vial: 6
Acq On : 17 Jan 2002 6:59 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 17, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 22 8:30 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\02JAN17\31671.D Vial: 6
Acq On : 17 Jan 2002 6:59 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 17, 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

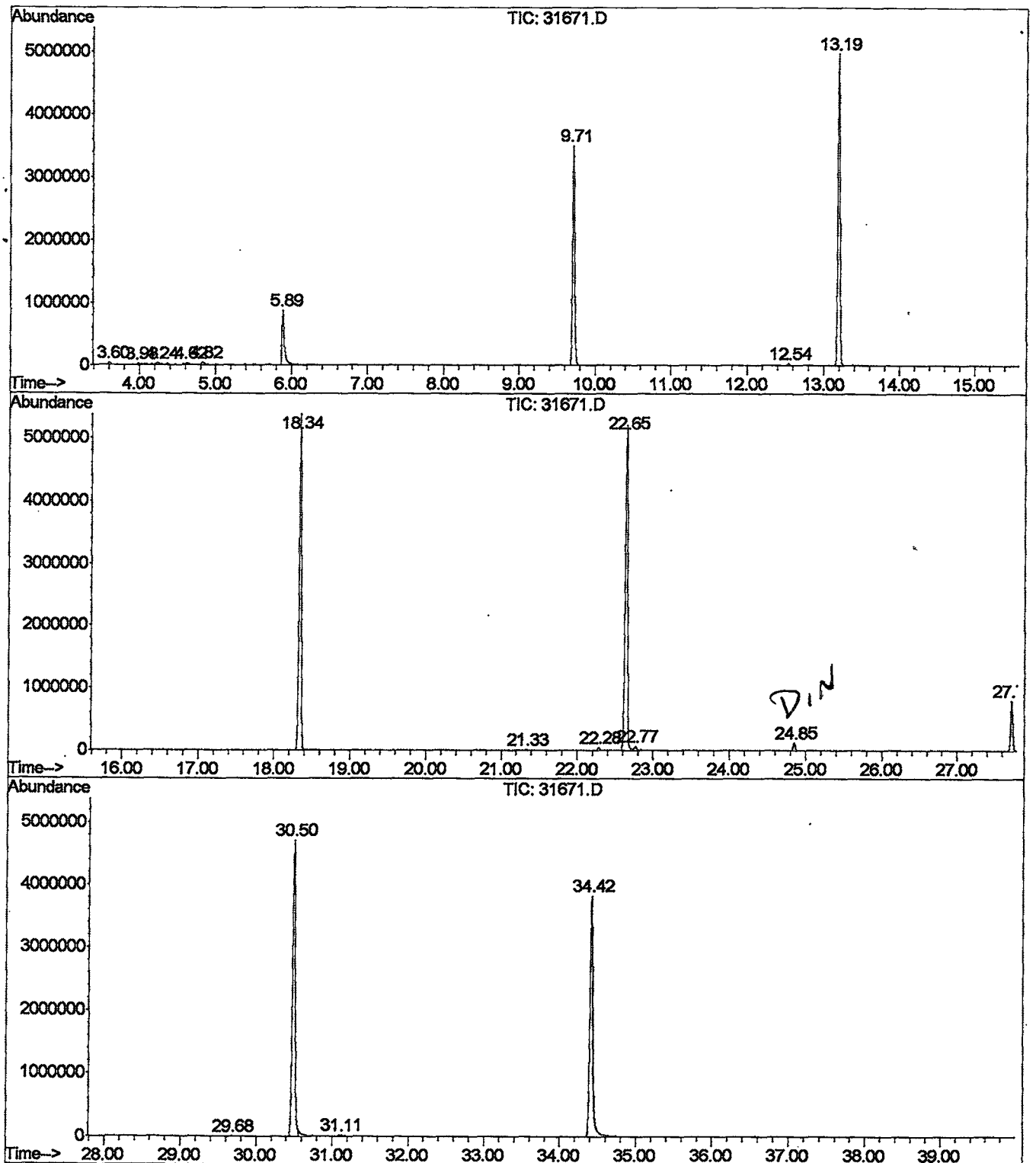
Signal : TIC

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	35727	53437	0.45%	0.083%
2	3.978	49	53	59	rVV	16632	29263	0.25%	0.046%
3	4.241	71	76	83	rVV2	29070	66727	0.57%	0.104%
4	4.618	107	109	123	rVV	22386	50661	0.43%	0.079%
5	4.823	123	127	141	rVV3	43122	109301	0.93%	0.170%
6	5.885	217	220	247	rVB	870550	1889047	16.05%	2.938%
7	9.710	551	555	561	rBV	3490632	6652327	56.51%	10.345%
8	12.541	799	803	809	rVV	33006	55147	0.47%	0.086%
9	13.192	855	860	865	rBV	4968831	9489114	80.61%	14.757%
10	18.341	1305	1311	1315	rBV	5378571	10597991	90.03%	16.482%
11	21.332	1569	1573	1577	rVV	15256	24968	0.21%	0.039%
12	22.280	1651	1656	1661	rVV	43763	83048	0.71%	0.129%
13	22.645	1681	1688	1693	rBV2	5202262	11771284	100.00%	18.306%
14	22.771	1695	1699	1707	rVB	66066	175698	1.49%	0.273%
15	24.849	1877	1881	1887	rBV	126849	228145	1.94%	0.355%
16	27.726	2127	2133	2139	rBV	795854	1412375	12.00%	2.196%
17	29.678	2301	2304	2315	rVB2	8606	26702	0.23%	0.042%
18	30.500	2369	2376	2381	rBV	4710941	11552749	98.14%	17.966%
19	31.105	2419	2429	2445	rVB3	21128	102204	0.87%	0.159%
20	34.416	2713	2719	2745	rBV	3829858	9932151	84.38%	15.446%

Sum of corrected areas: 64302339

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02JAN17\31671.D
Operator :
Acquired : 17 Jan 2002 6:59 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : January 17, 2002
Vial Number: 6
Quant File :SCAN508.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN17\31671.D Vial: 6
Acq On : 17 Jan 2002 6:59 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 17, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

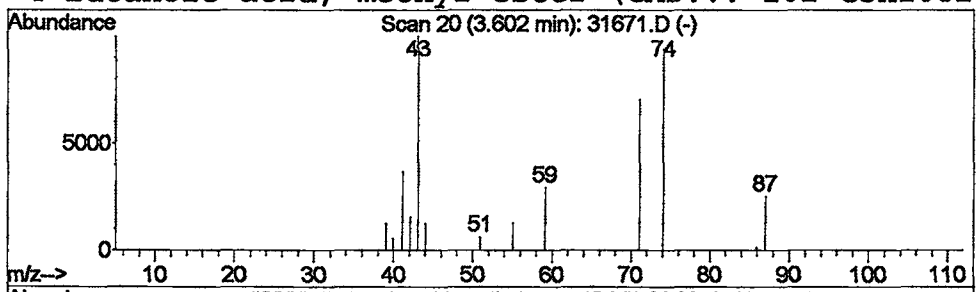
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

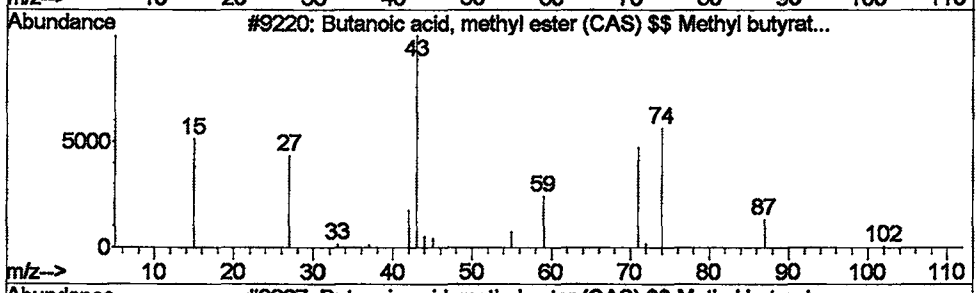
****

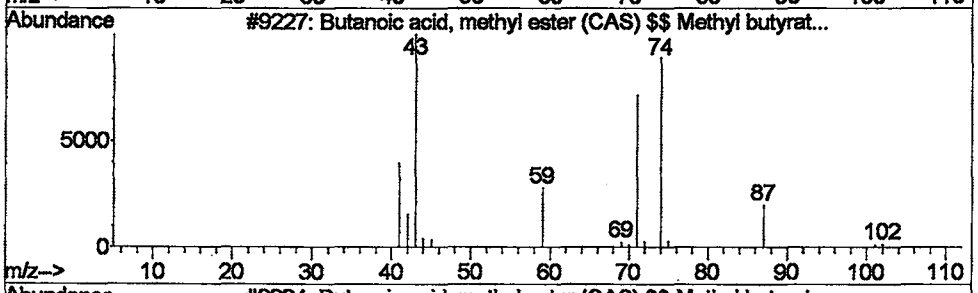
Peak Number 1 Butanoic acid, methyl ester... Concentration Rank 5

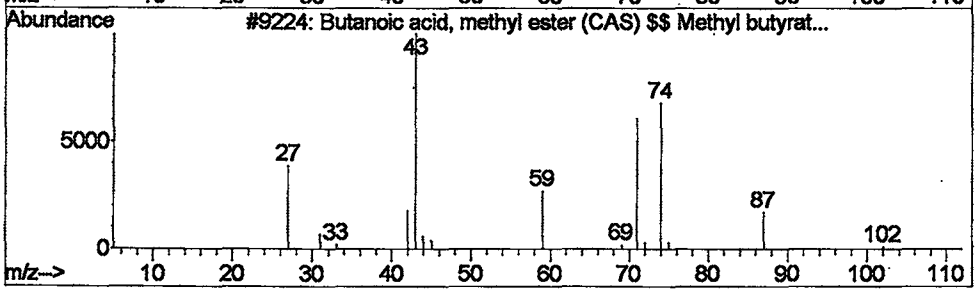
R.T.	EstConc	Area	Relative to ISTD	R.T.
3.60	0.16 ug/L	53437	1,4-Dichlorobenzene-d4	9.71

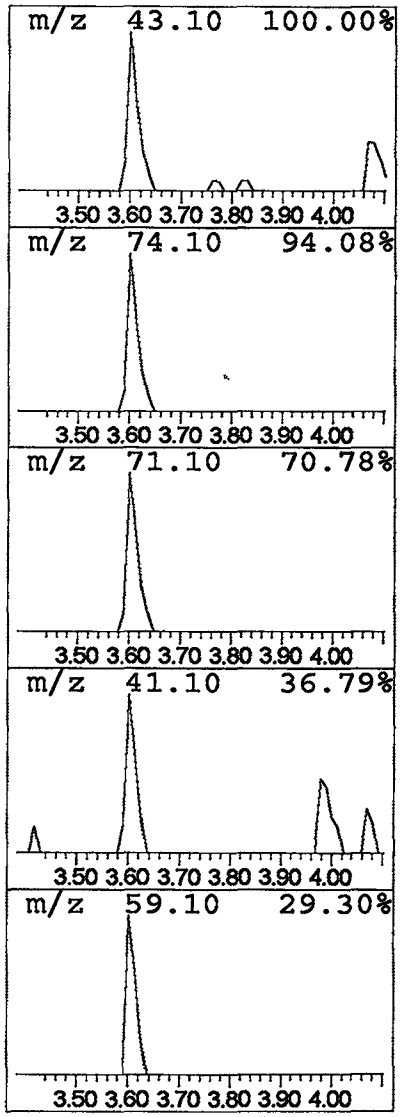
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	83
2	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	83
3	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	78
4	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	74











Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN17\31671.D Vial: 6
Acq On : 17 Jan 2002 6:59 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 17, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

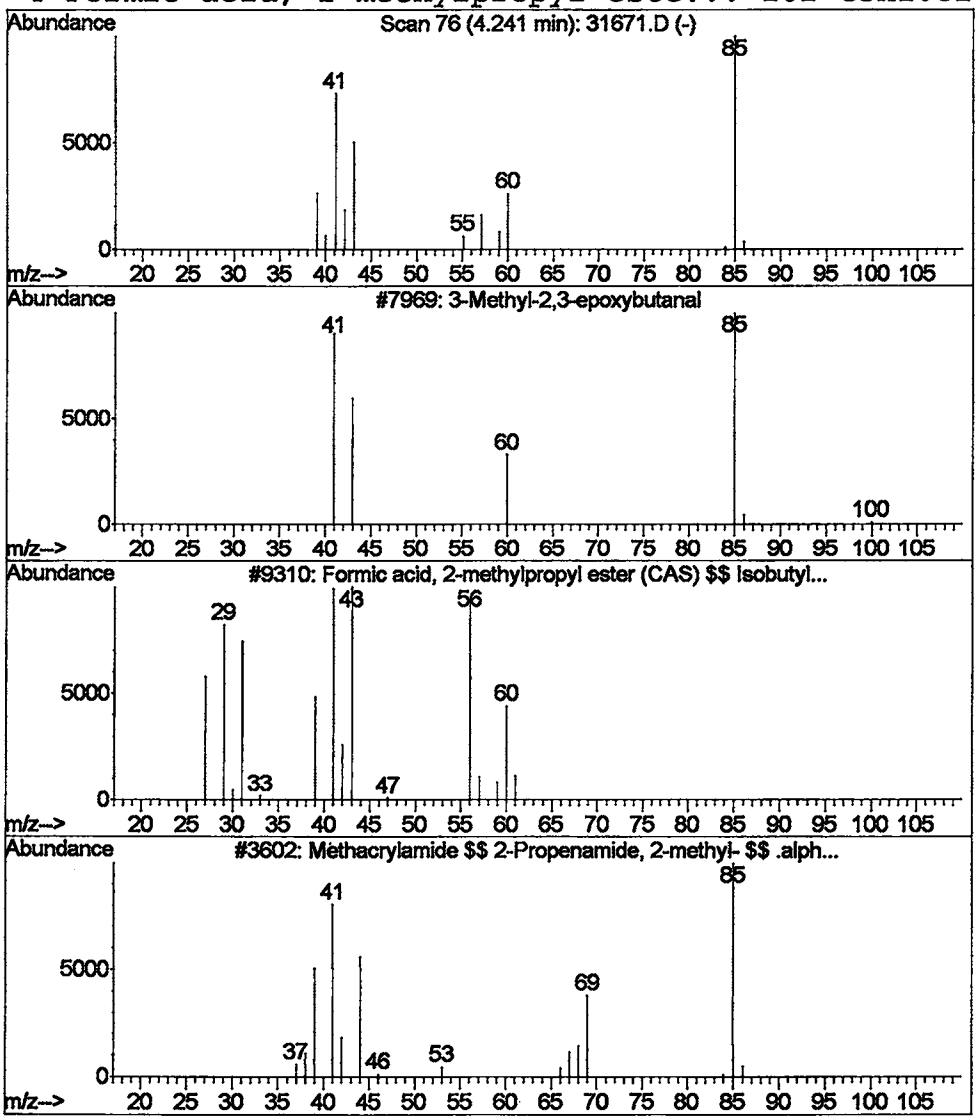
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

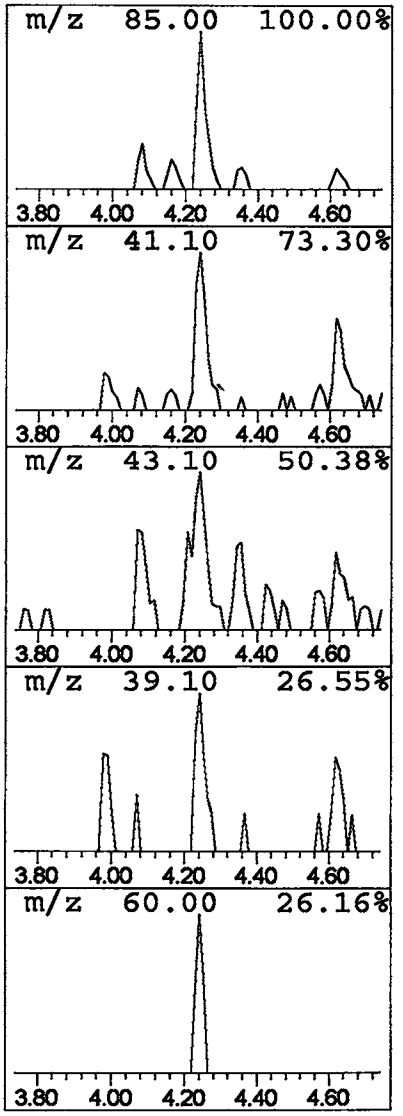
****

Peak Number 2 3-Methyl-2,3-epoxybutanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.24	0.20 ug/L	66727	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-2,3-epoxybutanal	100	C5H8O2	000000-00-0	39
2	Formic acid, 2-methylpropyl este...	102	C5H10O2	000542-55-2	27
3	Methacrylamide $$ 2-Propenamide,...	85	C4H7NO	000079-39-0	9
4	Formic acid, 1-methylpropyl este...	102	C5H10O2	000589-40-2	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN17\31671.D Vial: 6
Acq On : 17 Jan 2002 6:59 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 17, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

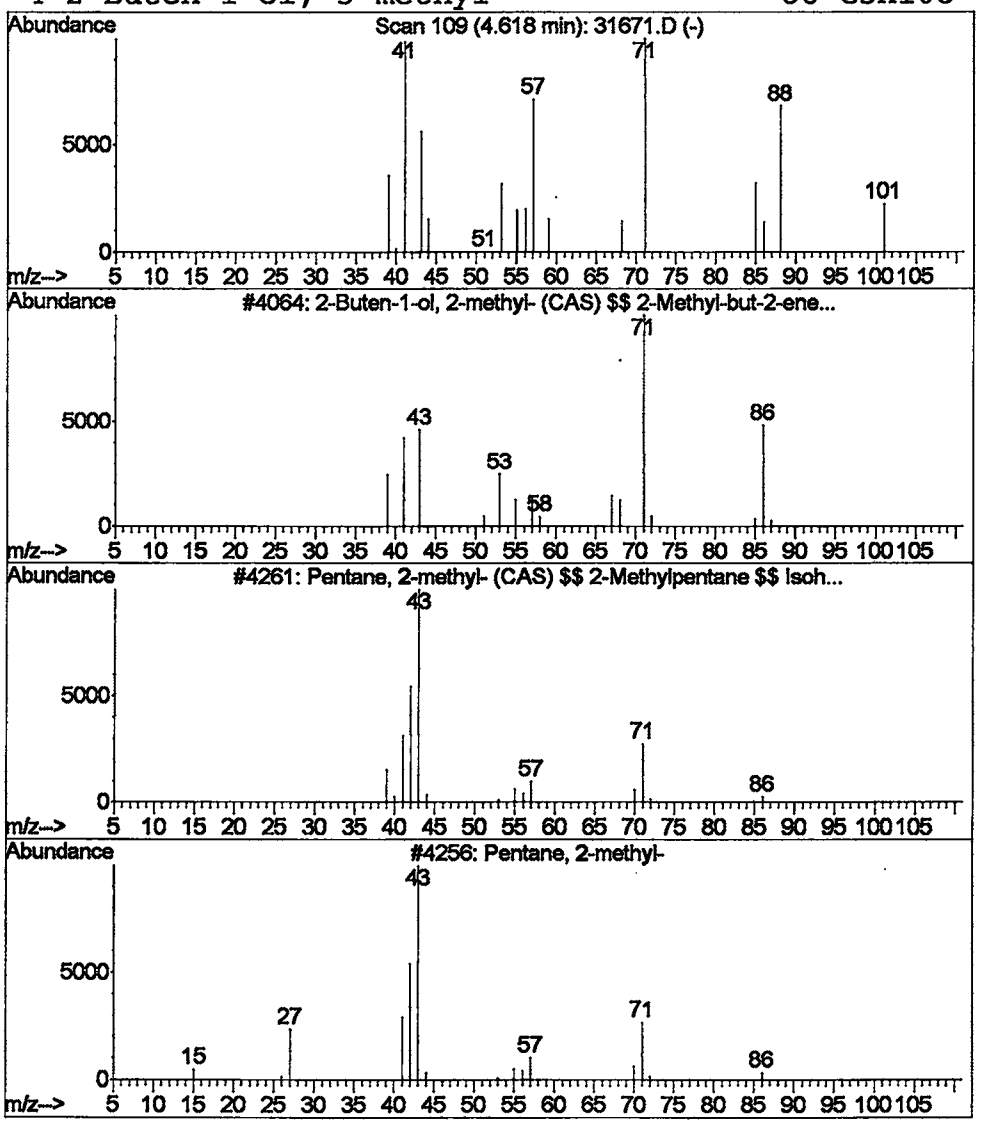
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

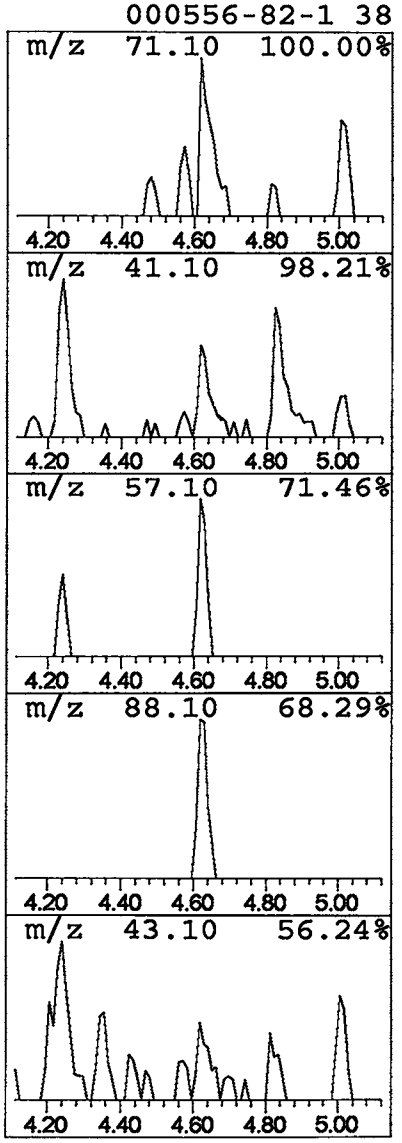
****

Peak Number 3 2-Buten-1-ol, 2-methyl- (CA... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.62	0.15 ug/L	50661	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Buten-1-ol, 2-methyl- (CAS) $$...	86	C5H10O	004675-87-0	43
2	Pentane, 2-methyl- (CAS) $$ 2-Me...	86	C6H14	000107-83-5	38
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	38
4	2-Buten-1-ol, 3-methyl-	86	C5H10O	000556-82-1	38





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN17\31671.D Vial: 6
Acq On : 17 Jan 2002 6:59 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 17, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

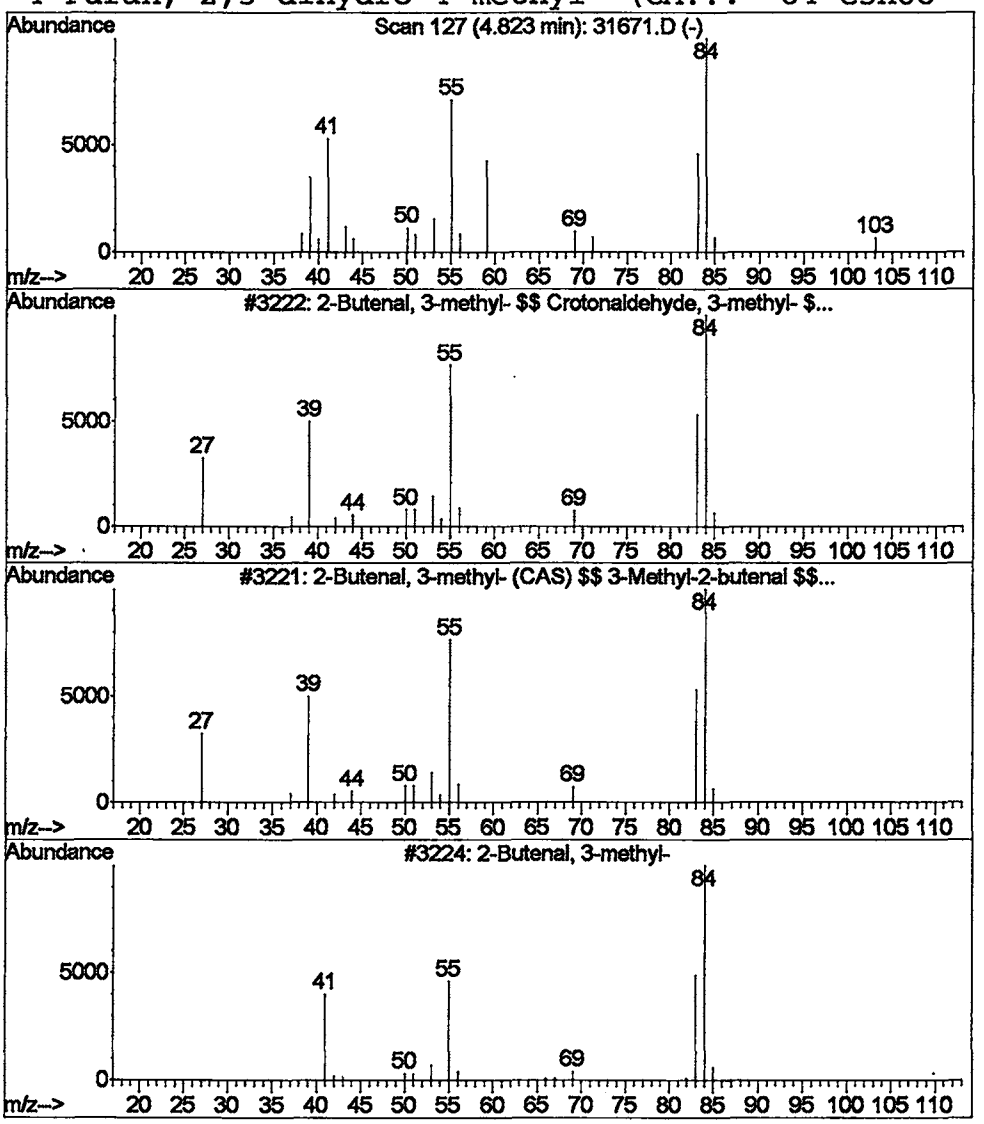
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

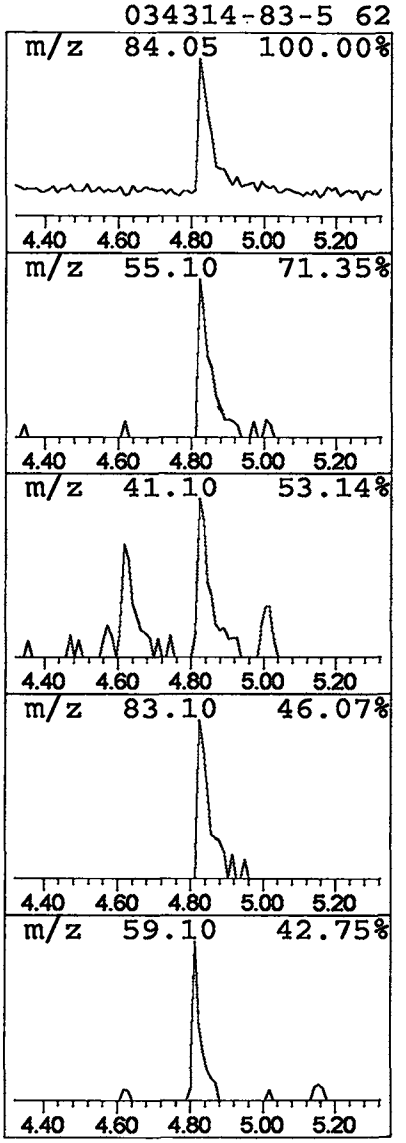
****

Peak Number 4 2-Butenal, 3-methyl- $$ Cro... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.82	0.33 ug/L	109301	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal, 3-methyl- $$ Crotonal...	84	C5H8O	000107-86-8	76
2	2-Butenal, 3-methyl- (CAS) $$ 3-...	84	C5H8O	000107-86-8	76
3	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	64
4	Furan, 2,3-dihydro-4-methyl- (CA...	84	C5H8O	034314-83-5	62





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN17\31671.D Vial: 6
Acq On : 17 Jan 2002 6:59 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 17, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

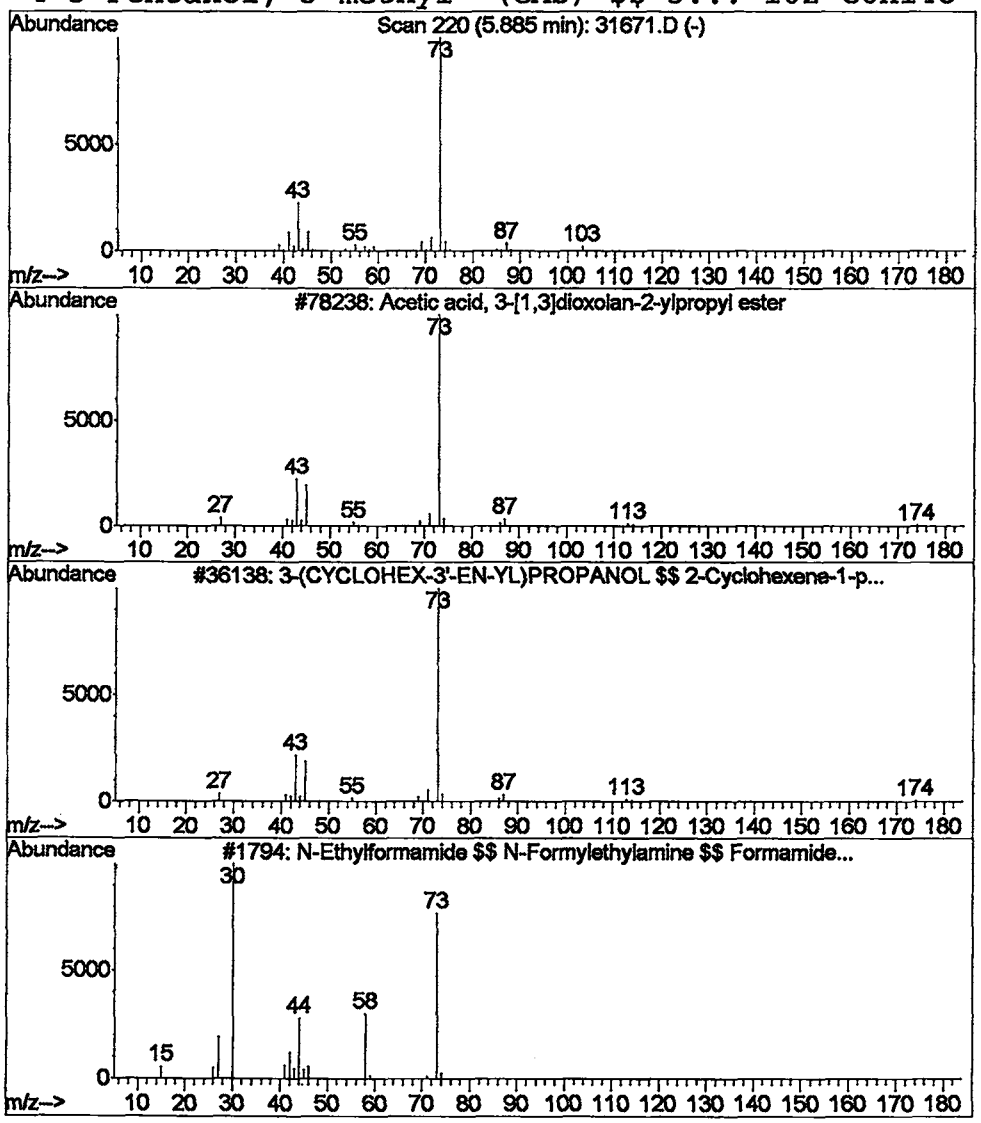
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

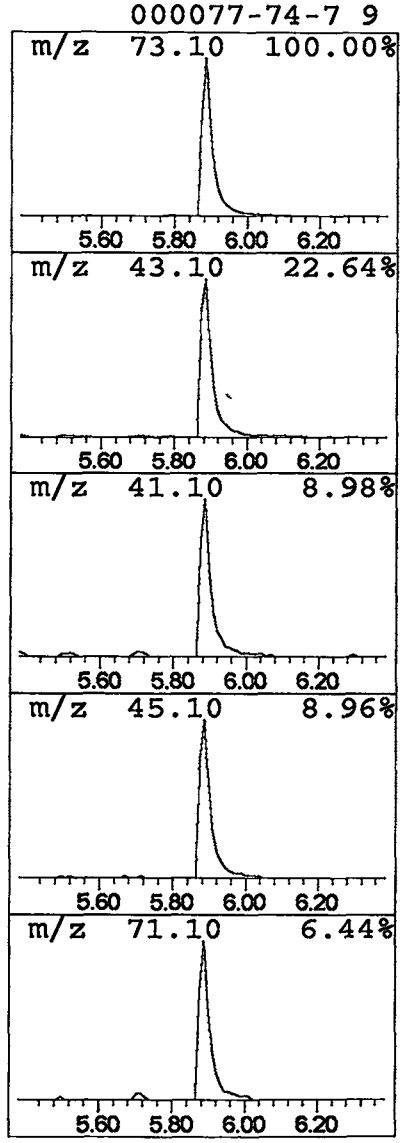
****

Peak Number 5 Acetic acid, 3-[1,3]dioxola... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	5.68 ug/L	1889050	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	3-Pentanol, 3-methyl- (CAS) $$ 3...	102	C6H14O	000077-74-7	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN17\31671.D Vial: 6
Acq On : 17 Jan 2002 6:59 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 17, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

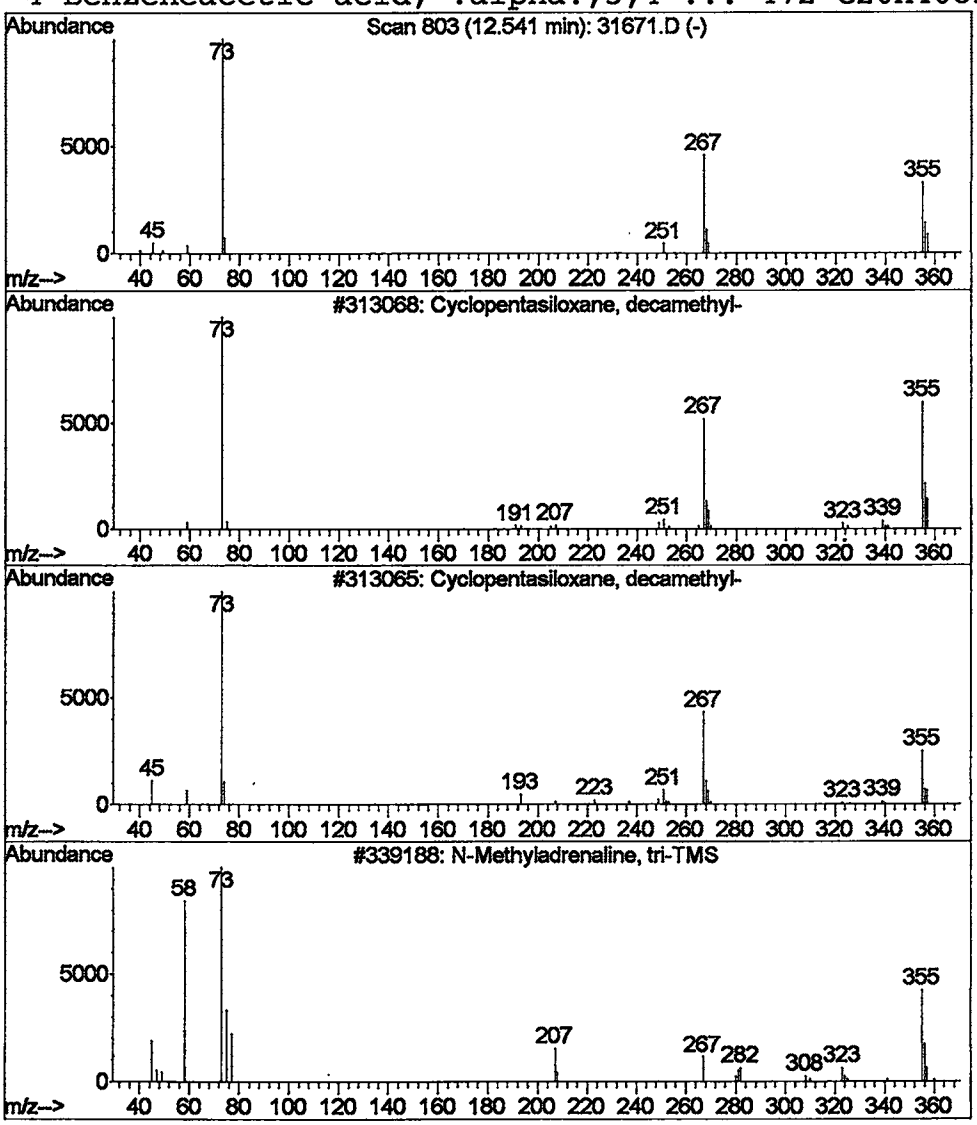
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

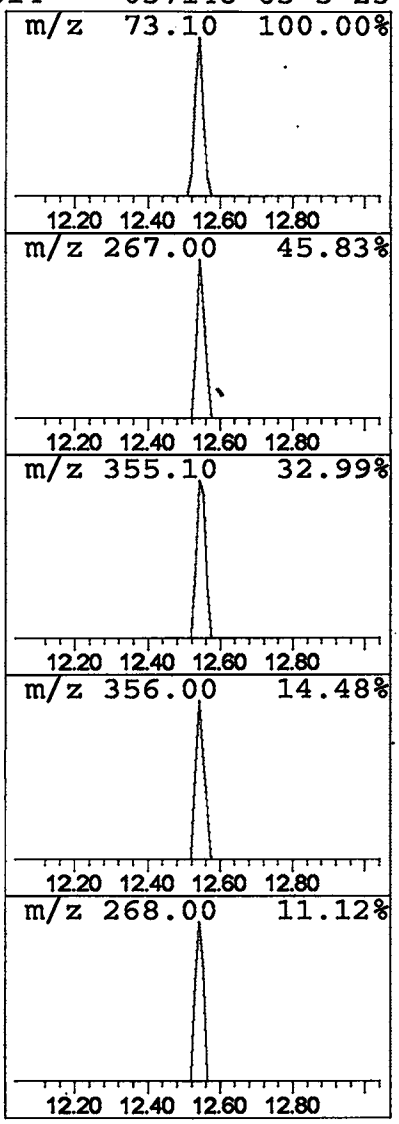
****

Peak Number 6 Cyclopentasiloxane, decamet... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	0.12 ug/L	55147	Naphthalene-d8	13.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	64
2	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	40
3	N-Methyladrenaline, tri-TMS	413	C19H39NO3Si3	000000-00-0	23
4	Benzeneacetic acid, .alpha.,3,4-...	472	C20H40O5Si4	037148-65-5	23





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN17\31671.D Vial: 6
Acq On : 17 Jan 2002 6:59 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 17, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

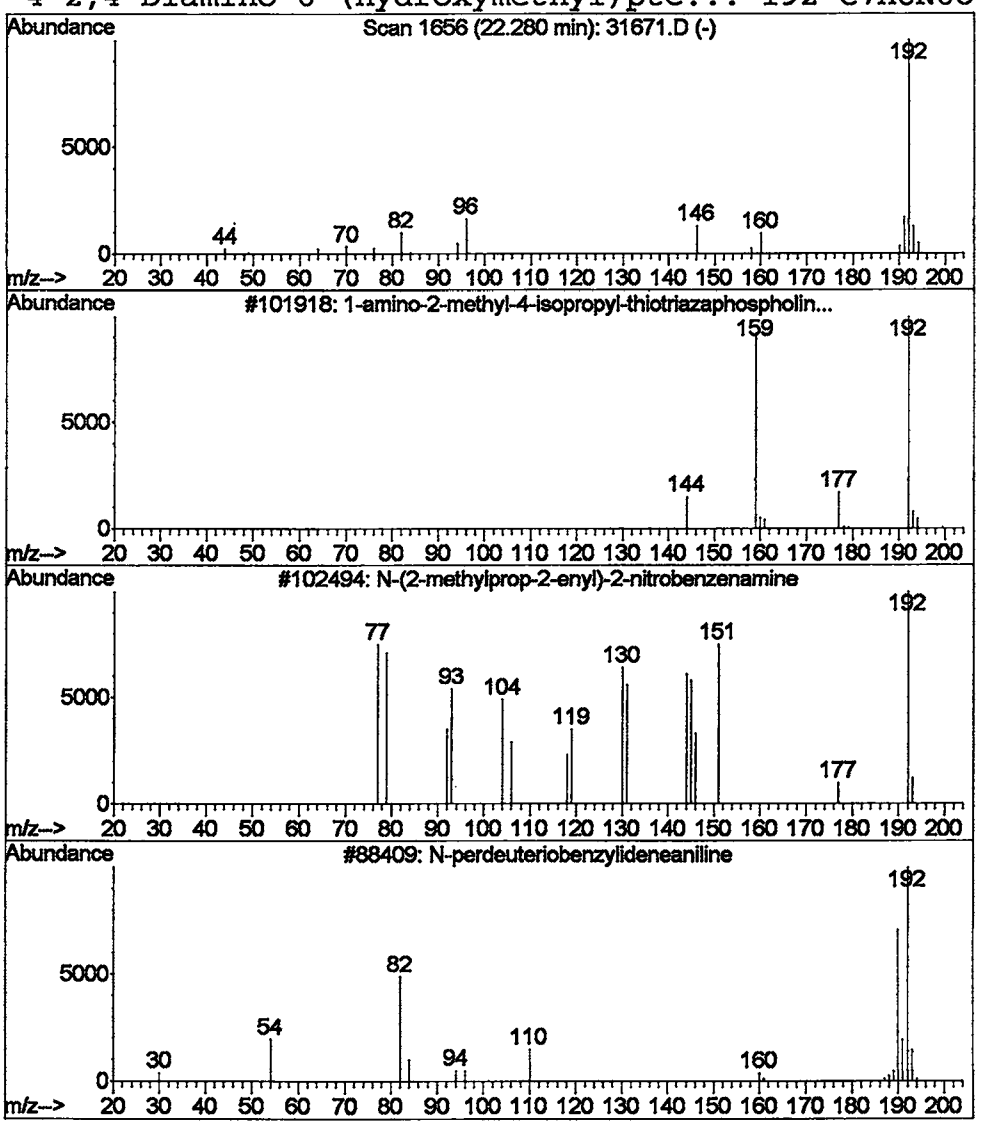
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

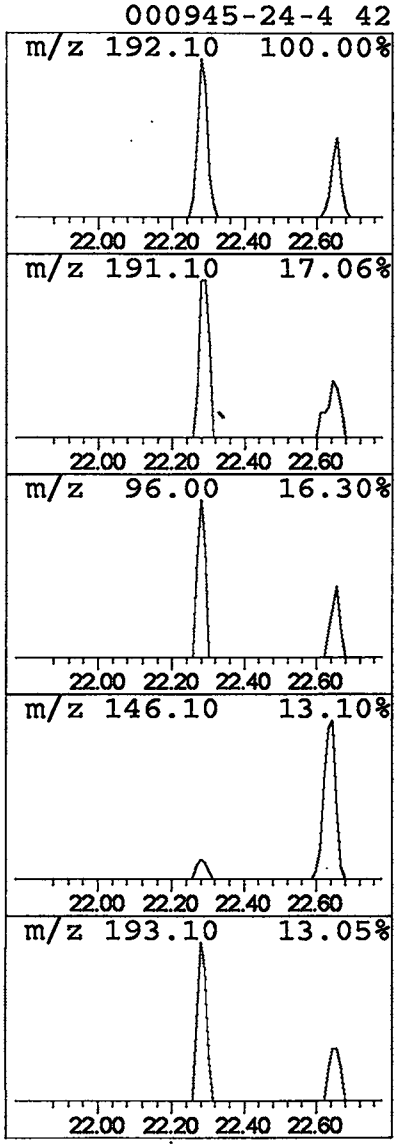
****

Peak Number 7 1-amino-2-methyl-4-isopropy... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.14 ug/L	83048	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-amino-2-methyl-4-isopropyl-thi...	192	C5H13N4PS	107264-54-0	50
2	N-(2-methylprop-2-enyl)-2-nitrob...	192	C10H12N2O2	000000-00-0	46
3	N-perdeuteriobenzylideneaniline	192	C13D11N	000538-51-2	45
4	2,4-Diamino-6-(hydroxymethyl)pte...	192	C7H8N6O	000945-24-4	42





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN17\31671.D Vial: 6
Acq On : 17 Jan 2002 6:59 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 17, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

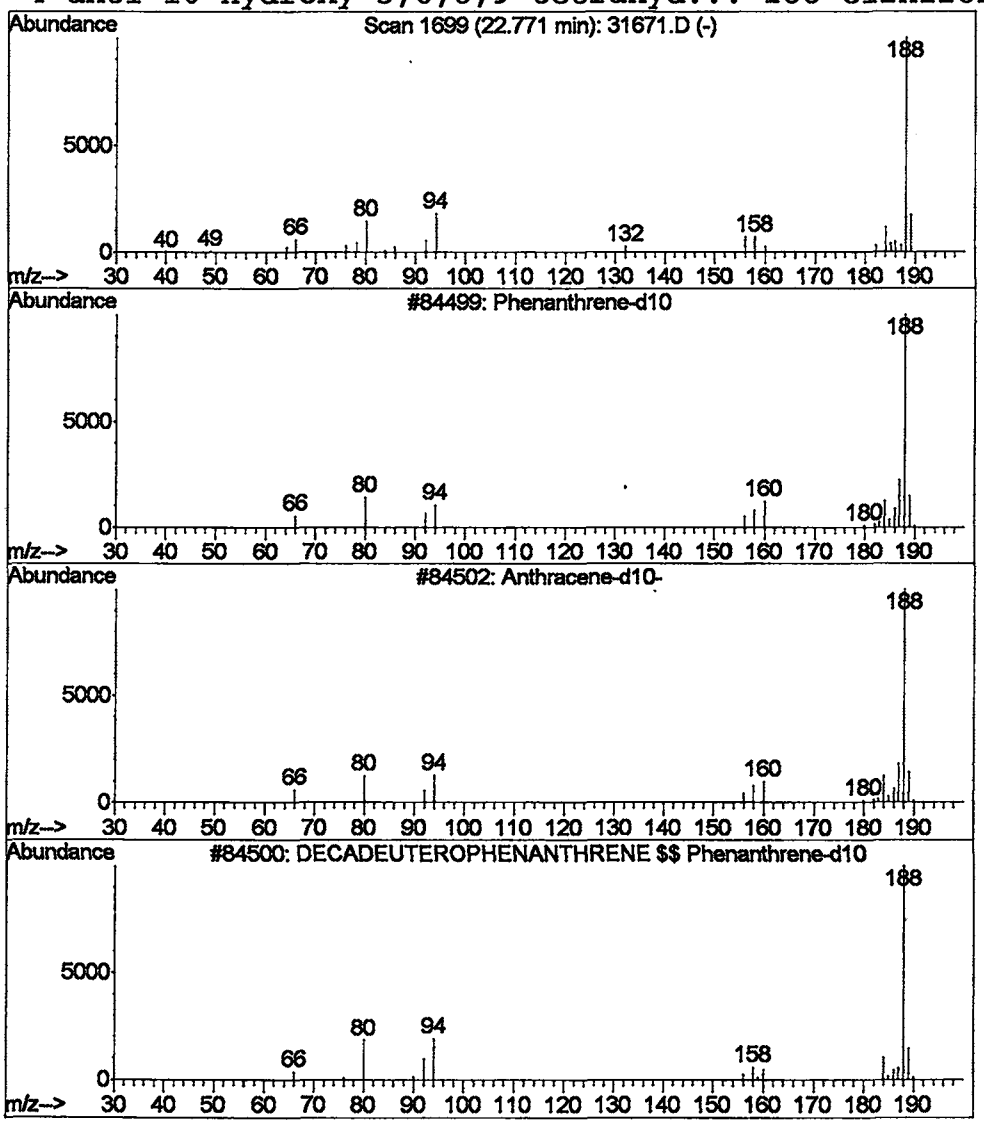
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

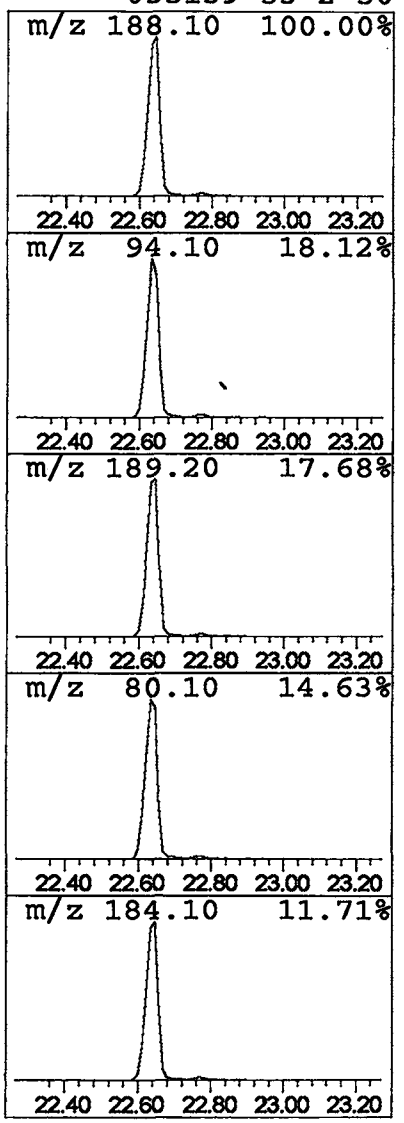
****

Peak Number 8 Phenanthrene-d10 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.30 ug/L	175698	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene-d10	188	C14D10	001517-22-2	91
2	Anthracene-d10-	188	C14D10	001719-06-8	87
3	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	50
4	anti-10-hydroxy-5,6,8,9-tetrahyd...	188	C12H12O2	055139-53-2	50





Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 17 Jan 2002 6:59 pm
Data File: C:\MSDCHEM\1\5973N\02JAN17\31671.D
Name: 508 scan
Misc: January 17, 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	0.2	ug/L	53437	1	9.71	6652330	20.0
3-Methyl-2,3-epox...	4.24	0.2	ug/L	66727	1	9.71	6652330	20.0
2-Buten-1-ol, 2-m...	4.62	0.2	ug/L	50661	1	9.71	6652330	20.0
2-Butenal, 3-meth...	4.82	0.3	ug/L	109301	1	9.71	6652330	20.0
Acetic acid, 3-[1...	5.89	5.7	ug/L	1889050	1	9.71	6652330	20.0
Cyclopentasiloxan...	12.54	0.1	ug/L	55147	2	13.19	9489110	20.0
1-amino-2-methyl-...	22.28	0.1	ug/L	83048	4	22.65	11771300	20.0
Phenanthrene-d10	22.77	0.3	ug/L	175698	4	22.65	11771300	20.0