User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/28/2002 Time: 15:30:34

Sample: AD31643
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/28/02 15:30 Ended: 1/28/02 15:30 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		97		5.0

Comments for Sample AD31643 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-28-2002 Time: 15:30:49

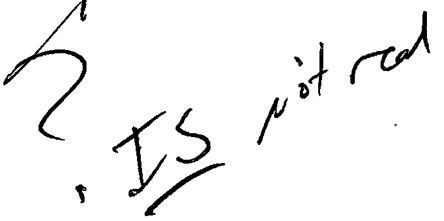
The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
The recoveries for 2 of the 43 compounds in the LCS Standard were above their acceptance ranges.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN17\31643.D Vial: 3
Acq On : 17 Jan 2002 4:29 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 17, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 22 08:30:12 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	1241804	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	5202129	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	2689819	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.65	188	4430967	20.00	ug/L	-0.02
38) Chrysene-d12	30.49	240	3969573	20.00	ug/L	-0.02
44) Perylene-d12	34.42	264	2899562	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	339900	4.85	ug/L	0.00
Spiked Amount 5.000			Recovery = 97.00%			
Target Compounds						Qvalue
20) Dimethylphthalate	18.34	163	433761	2.44	ug/L #	55
21) 2,6-Dinitrotoluene	18.34	165	343738	9.92	ug/L #	17
35) Di-n-butylphthalate	24.85	149	99418	0.35	ug/L	99
42) Bis(2-ethylhexyl)phthalate	31.11	149	11625	0.61	ug/L	97

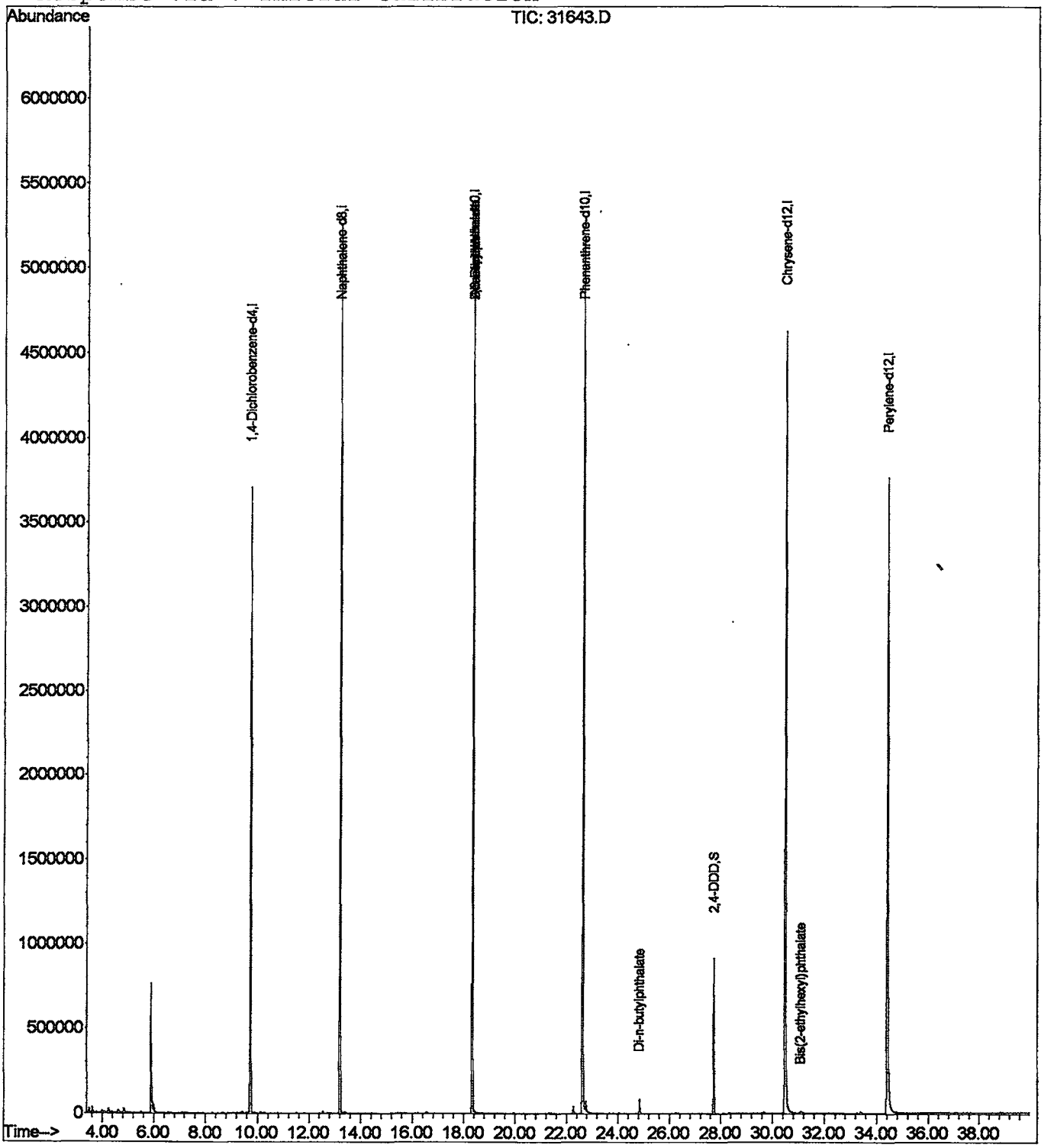


(#) = qualifier out of range (m) = manual integration
31643.D SCAN508.M Tue Jan 22 08:30:13 2002 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN17\31643.D Vial: 3
Acq On : 17 Jan 2002 4:29 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\31643.D Vial: 3
Acq On : 17 Jan 2002 4:29 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

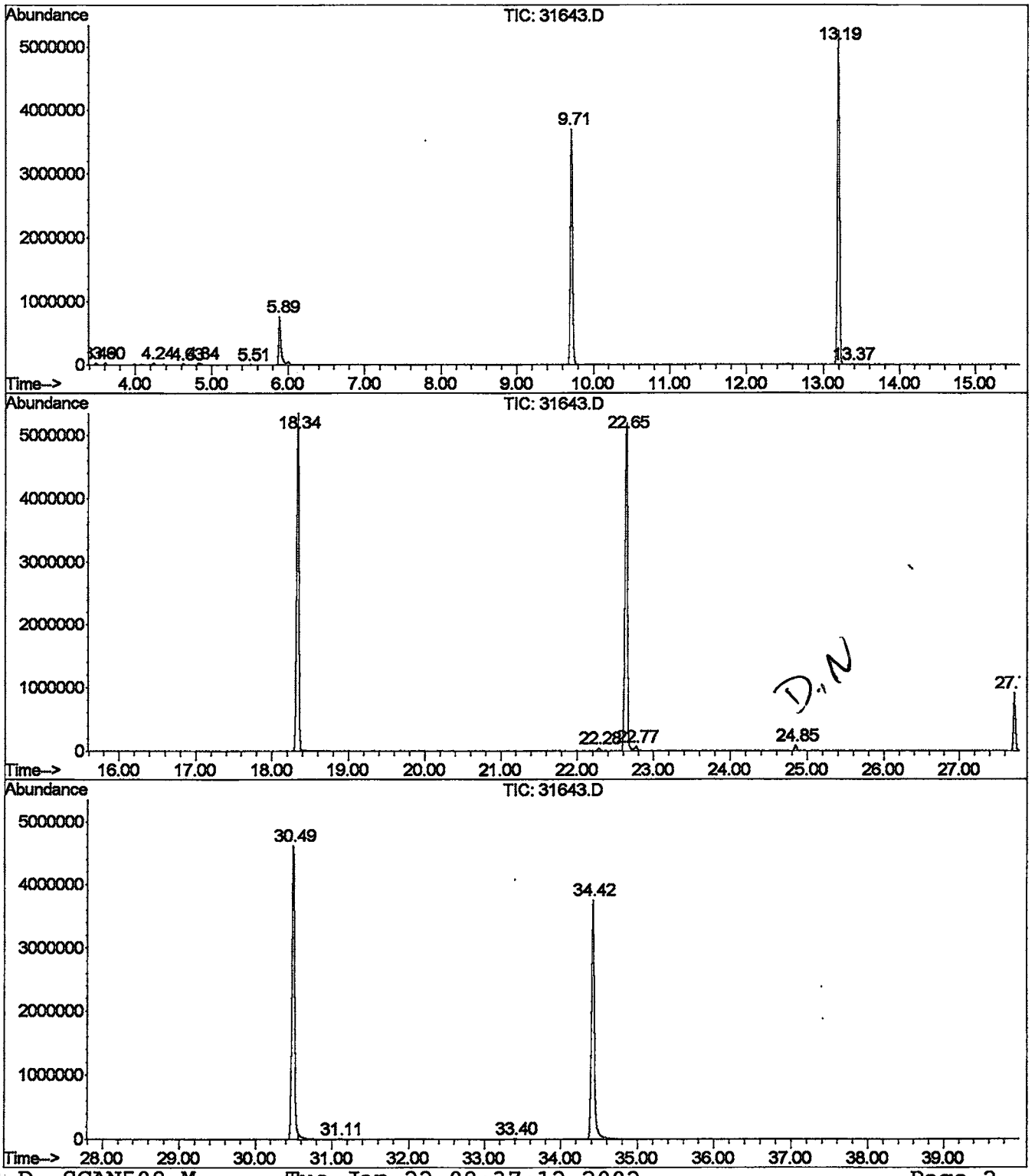
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.488	5	10	15	rBV	27998	42713	0.36%	0.066%
2	3.602	19	20	25	rBV	32452	45470	0.39%	0.070%
3	4.241	71	76	83	rVB3	28925	68299	0.58%	0.105%
4	4.630	103	110	117	rBV2	16249	45239	0.38%	0.070%
5	4.835	123	128	137	rBV	28251	80627	0.69%	0.124%
6	5.509	185	187	203	rVB4	8029	27877	0.24%	0.043%
7	5.885	217	220	227	rBV	763800	1440591	12.24%	2.219%
8	9.710	551	555	561	rBV	3697613	6985298	59.36%	10.761%
9	13.192	855	860	865	rBV	5254446	9980057	84.81%	15.375%
10	13.375	873	876	889	rVB3	9546	30409	0.26%	0.047%
11	18.341	1305	1311	1315	rBV	5344630	10893823	92.57%	16.783%
12	22.280	1653	1656	1661	rVV2	43731	82982	0.71%	0.128%
13	22.645	1681	1688	1693	rBV	5187505	11767597	100.00%	18.129%
14	22.771	1695	1699	1711	rVB	69639	203644	1.73%	0.314%
15	24.849	1877	1881	1887	rBV	87455	157702	1.34%	0.243%
16	27.726	2127	2133	2139	rVV	915181	1614803	13.72%	2.488%
17	30.489	2369	2375	2381	rBV2	4623504	11564462	98.27%	17.816%
18	31.105	2425	2429	2435	rVB5	9695	31991	0.27%	0.049%
19	33.400	2627	2630	2637	rBV3	10601	25602	0.22%	0.039%
20	34.416	2713	2719	2753	rBV	3756778	9822347	83.47%	15.132%

Sum of corrected areas: 64911533

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02JAN17\31643.D
Operator :
Acquired : 17 Jan 2002 4:29 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : January 17, 2002
Vial Number: 3
Quant File :SCAN508.RES (RTE Integrator)



Data File : C:\MSDCHEM\1\5973N\02JAN17\31643.D Vial: 3
Acq On : 17 Jan 2002 4:29 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 17, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

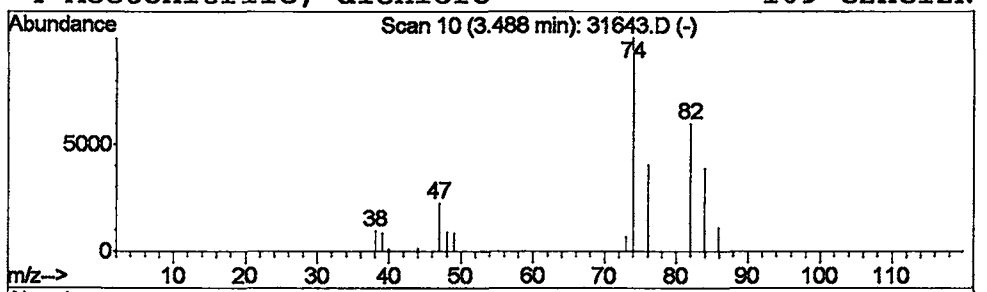
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

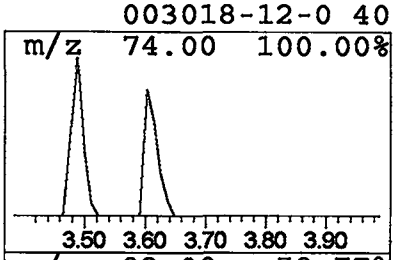
****

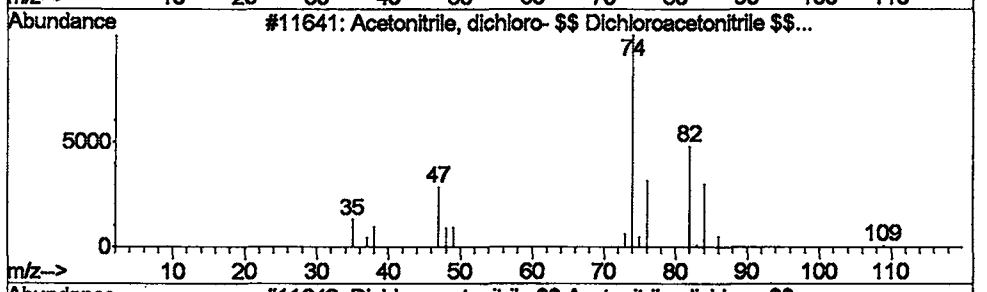
Peak Number 1 Acetonitrile, dichloro- $$ ... Concentration Rank 8

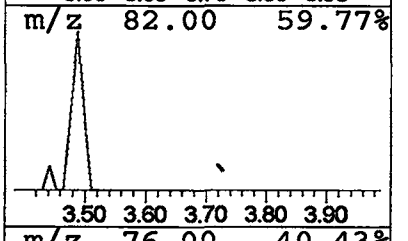
R.T.	EstConc	Area	Relative to ISTD	R.T.
3.49	0.12 ug/L	42713	1,4-Dichlorobenzene-d4	9.71

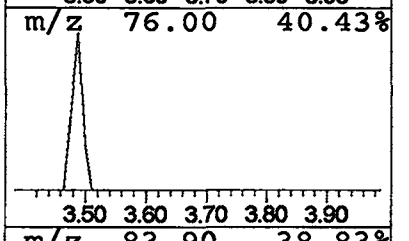
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro- $$ Dichl...	109	C2HCl2N	003018-12-0	83
2	Dichloroacetonitrile $$ Acetonit...	109	C2HCl2N	003018-12-0	83
3	Dichloroacetonitrile $$ Acetonit...	109	C2HCl2N	003018-12-0	78
4	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	40

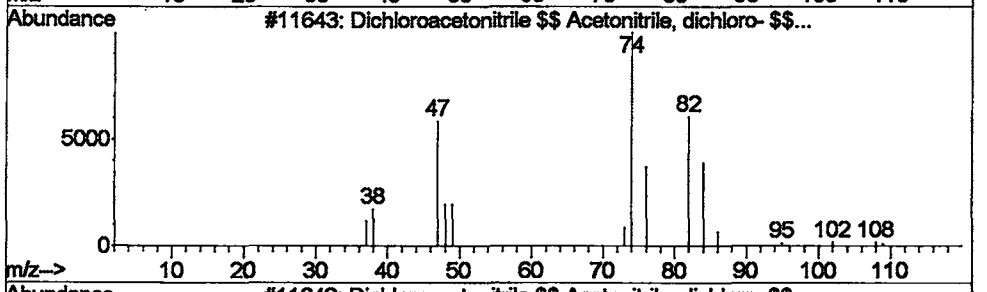


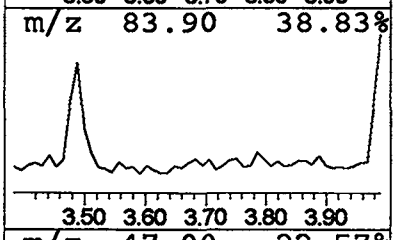


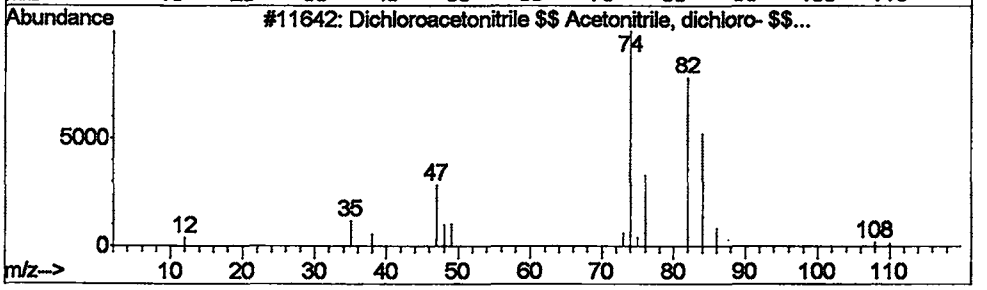


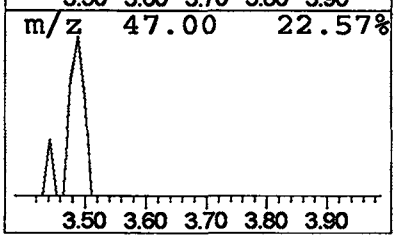












Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN17\31643.D Vial: 3
Acq On : 17 Jan 2002 4:29 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 17, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

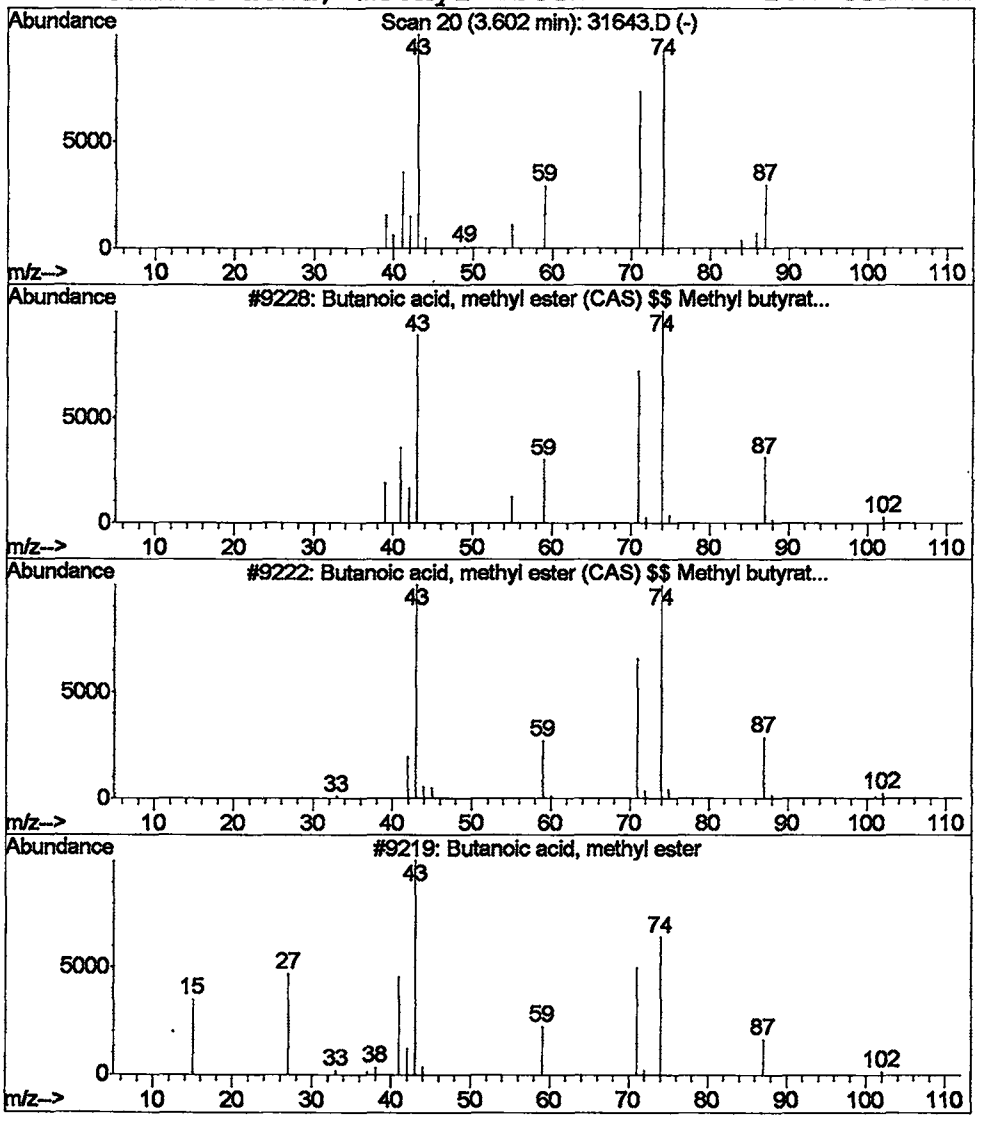
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

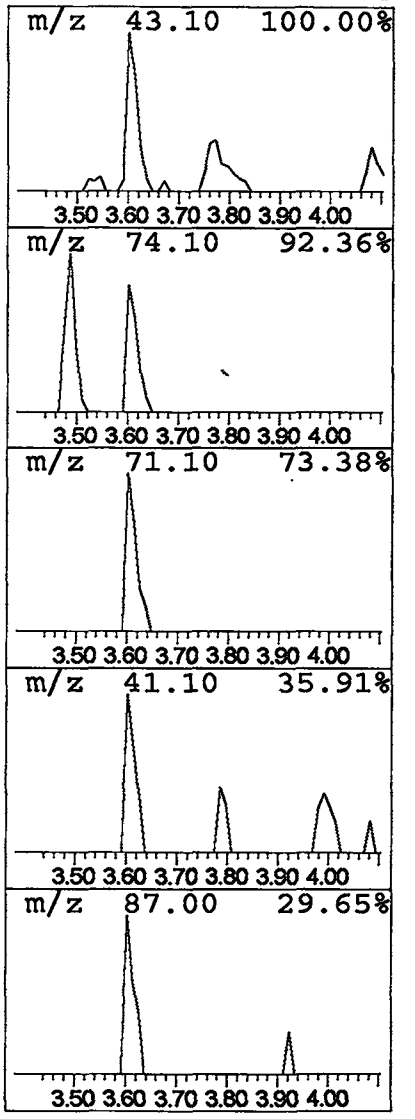
****

Peak Number 2 Butanoic acid, methyl ester... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.60	0.13 ug/L	45470	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	102	C5H10O2	000623-42-7	83
4	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	78





Data File : C:\MSDCHEM\1\5973N\02JAN17\31643.D Vial: 3
Acq On : 17 Jan 2002 4:29 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 17, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

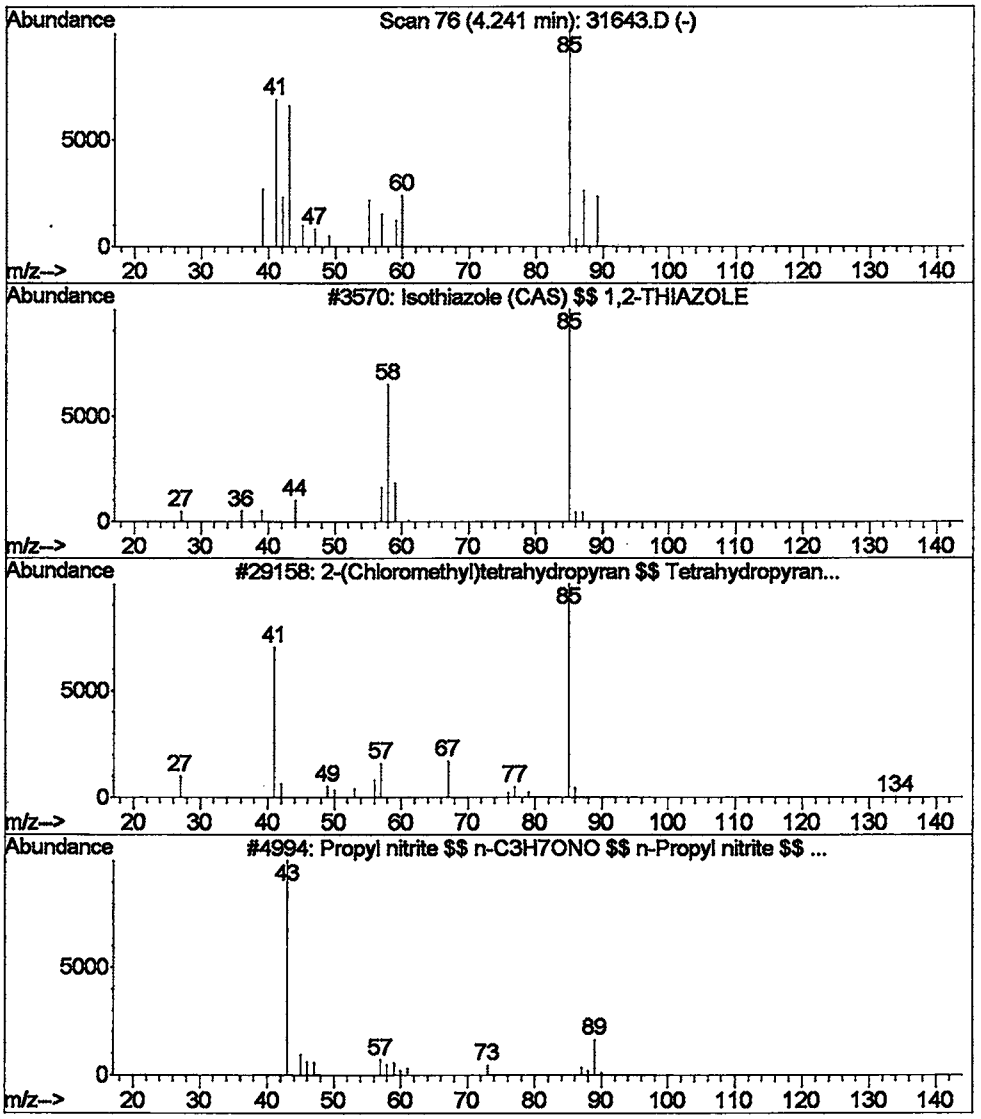
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

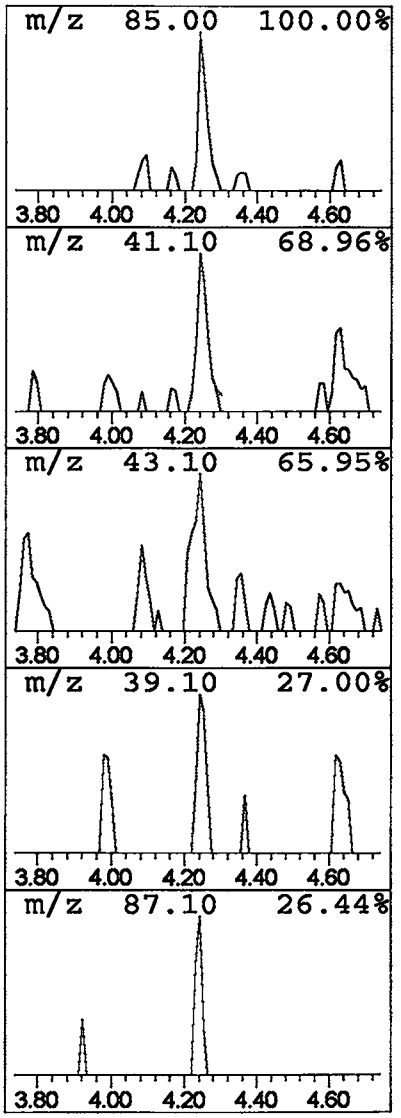
****

Peak Number 3 Isothiazole (CAS) $$ 1,2-TH... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.24	0.20 ug/L	68299	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isothiazole (CAS) $$ 1,2-THIAZOLE	85	C3H3NS	000288-16-4	32
2	2-(Chloromethyl)tetrahydropyran ...	134	C6H11ClO	018420-41-2	23
3	Propyl nitrite $$ n-C3H7ONO $$ n...	89	C3H7NO2	000543-67-9	14
4	Thiazole	85	C3H3NS	000288-47-1	9





Data File : C:\MSDCHEM\1\5973N\02JAN17\31643.D Vial: 3
Acq On : 17 Jan 2002 4:29 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 17, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

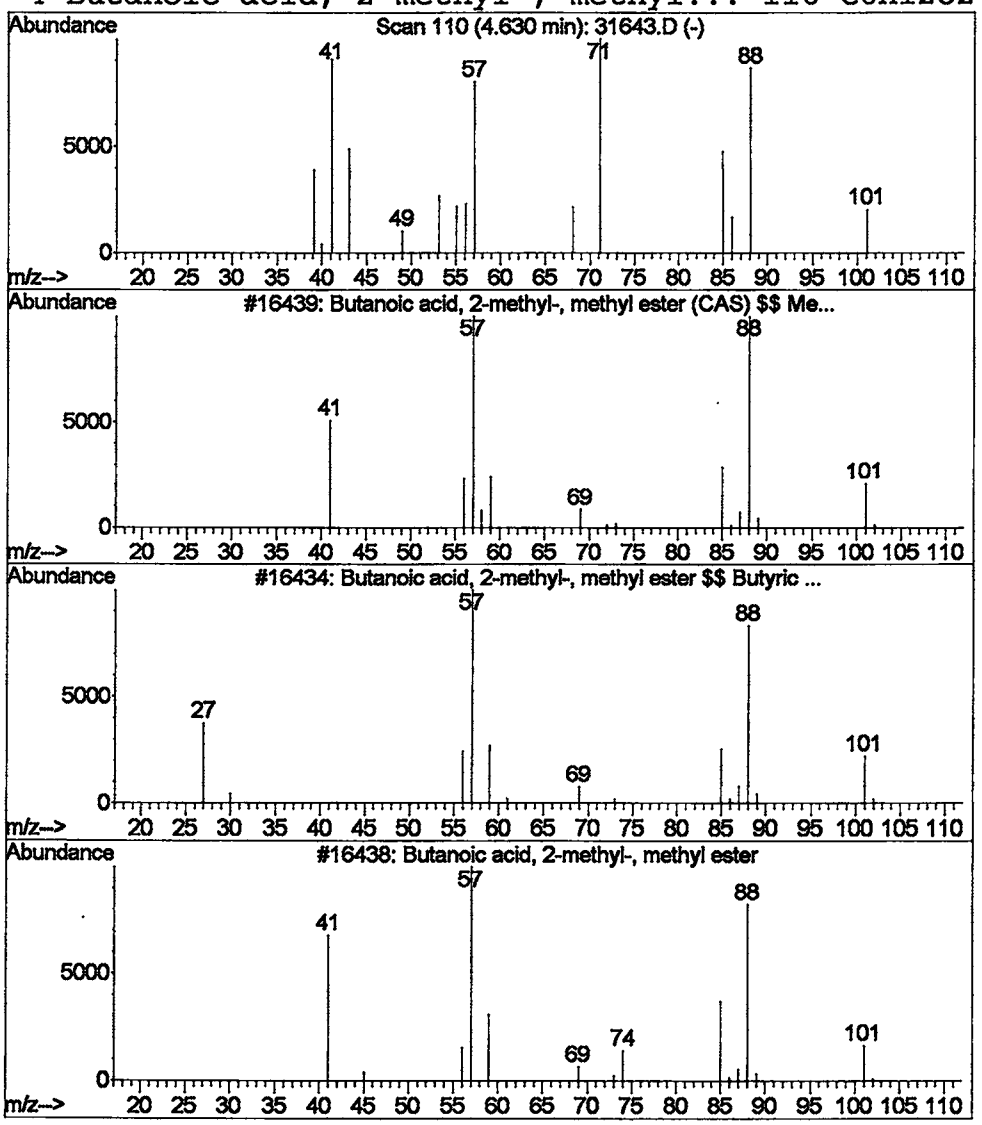
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

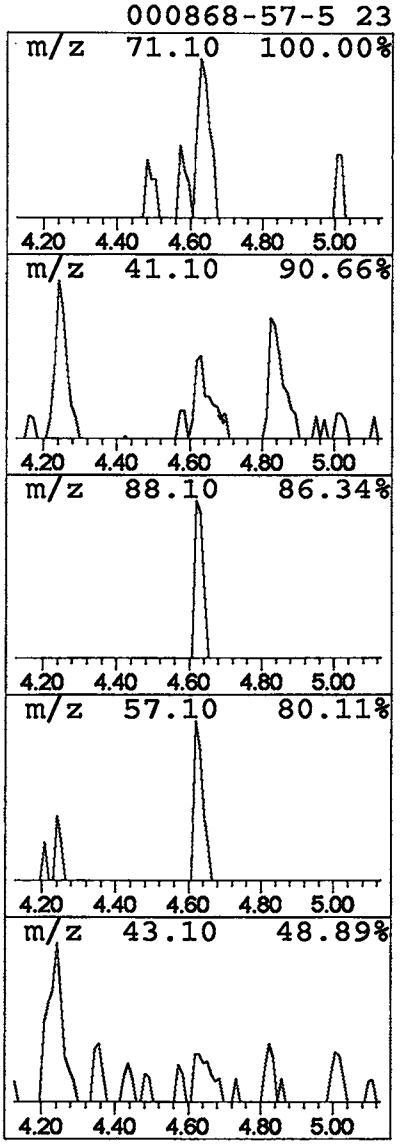
****

Peak Number 4 Butanoic acid, 2-methyl-, m... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.63	0.13 ug/L	45239	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	23
2	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	23
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\02JAN17\31643.D Vial: 3
Acq On : 17 Jan 2002 4:29 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 17, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

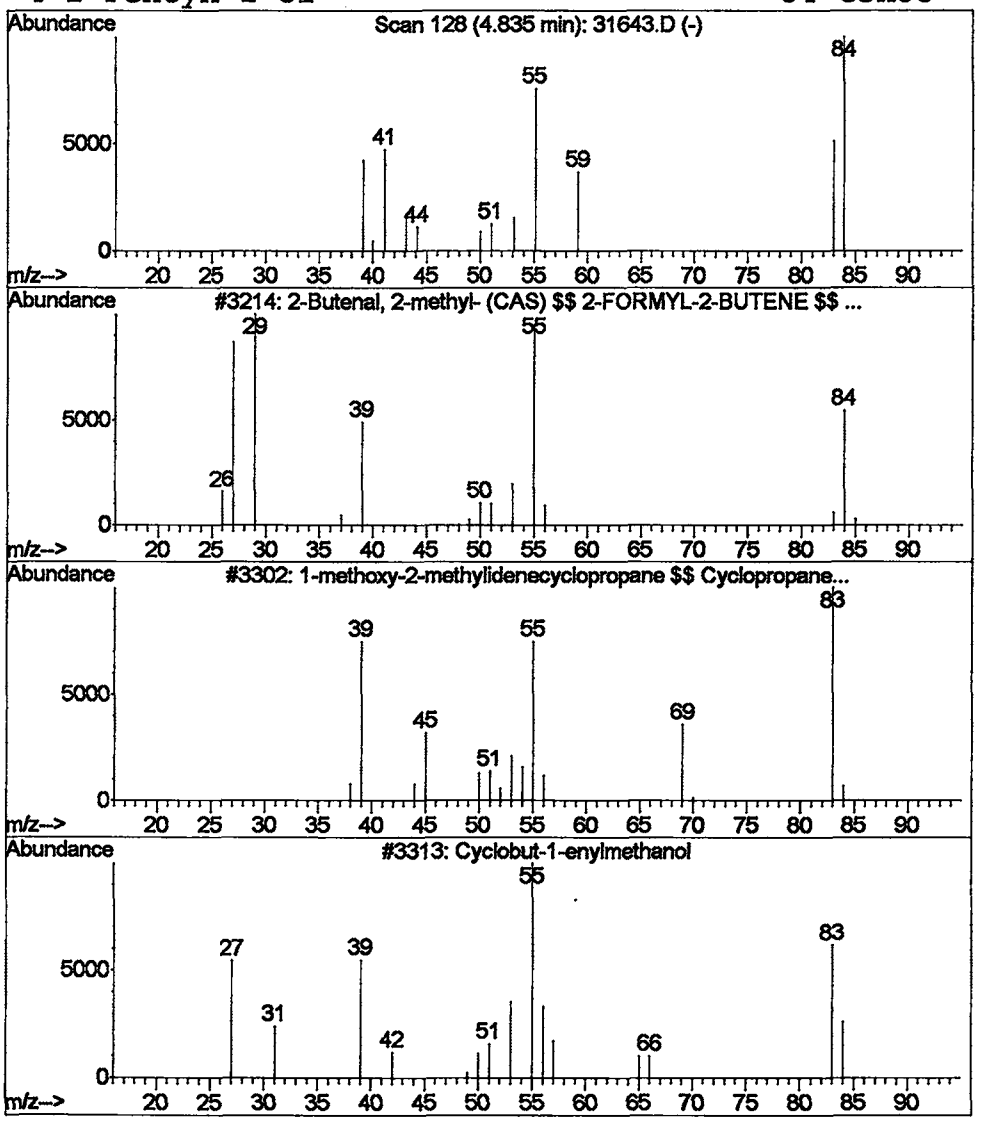
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

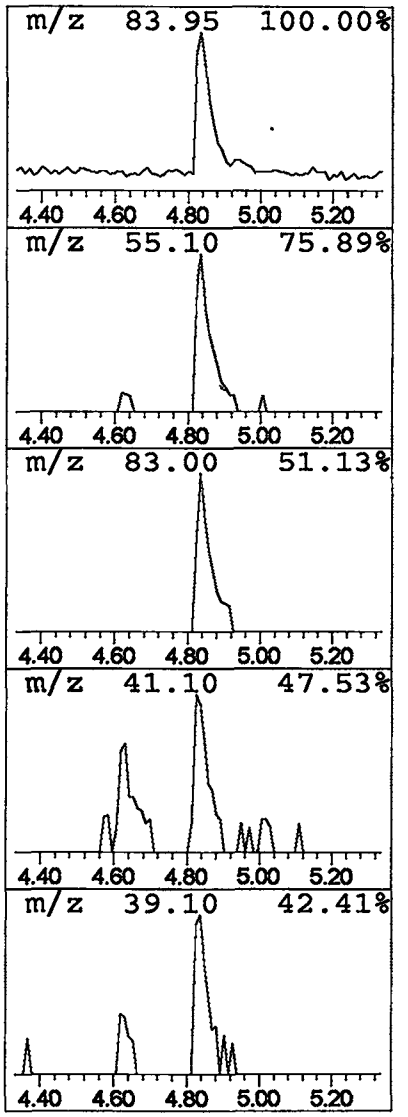
****

Peak Number 5 2-Butenal, 2-methyl- (CAS) ... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.84	0.23 ug/L	80627	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal, 2-methyl- (CAS) $$ 2-...	84	C5H8O	001115-11-3	43
2	1-methoxy-2-methylidenecycloprop...	84	C5H8O	019750-15-3	37
3	Cyclobut-1-enylmethanol	84	C5H8O	000000-00-0	25
4	2-Pentyn-1-ol	84	C5H8O	006261-22-9	17





Data File : C:\MSDCHEM\1\5973N\02JAN17\31643.D Vial: 3
Acq On : 17 Jan 2002 4:29 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 17, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

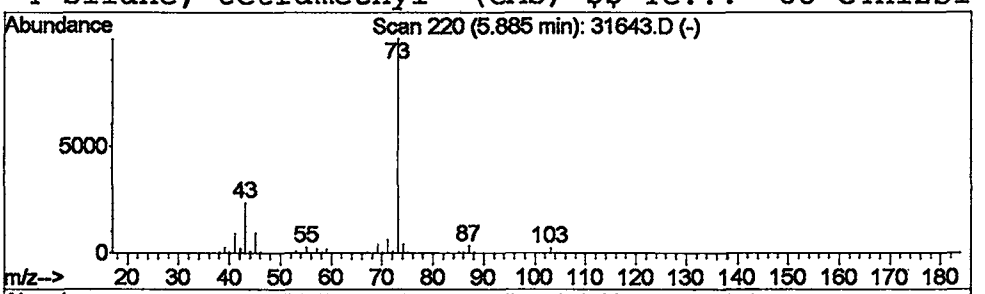
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

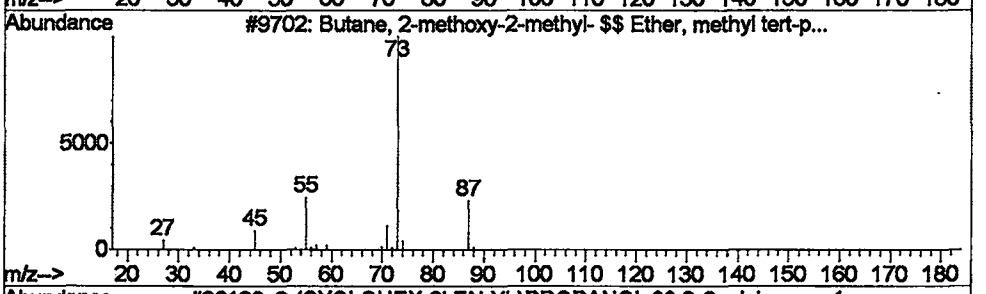
****

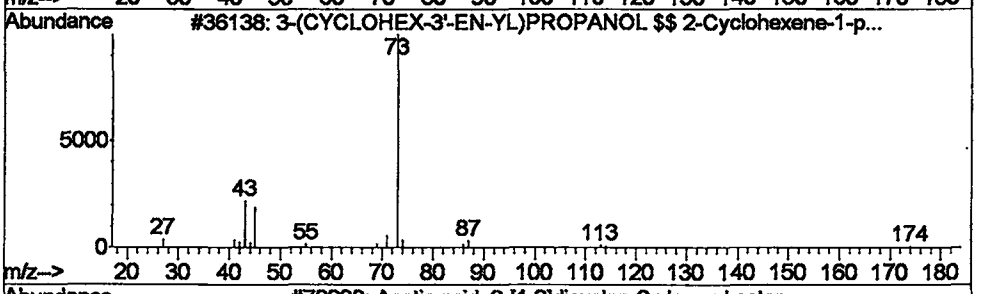
Peak Number 6 Butane, 2-methoxy-2-methyl-... Concentration Rank 1

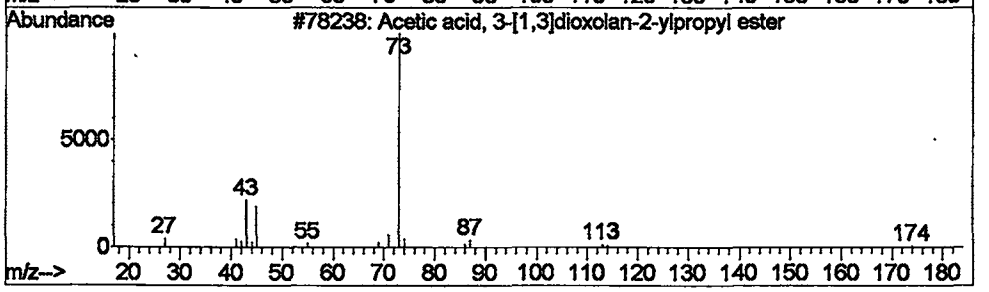
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	4.12 ug/L	1440590	1,4-Dichlorobenzene-d4	9.71

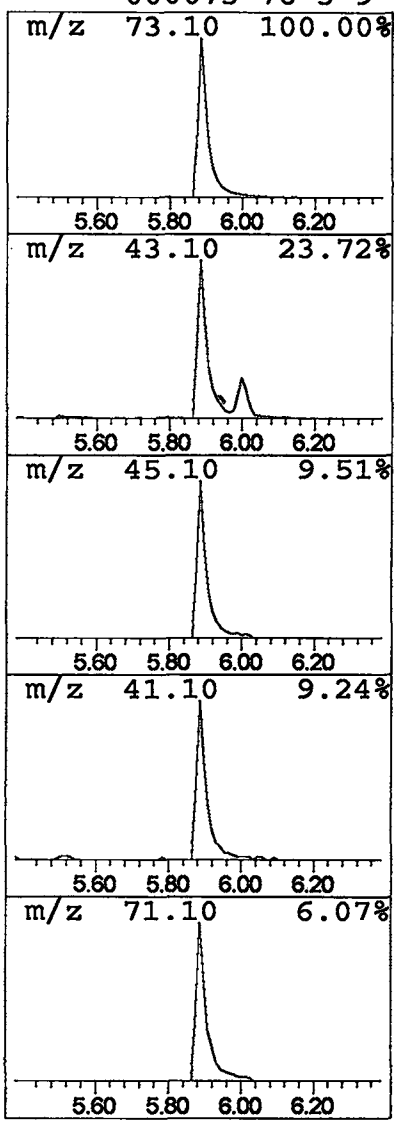
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl- $$ E...	102	C6H14O	000994-05-8	33
2	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	33
3	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	33
4	Silane, tetramethyl- (CAS) $$ Te...	88	C4H12Si	000075-76-3	9











Data File : C:\MSDCHEM\1\5973N\02JAN17\31643.D Vial: 3
Acq On : 17 Jan 2002 4:29 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 17, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

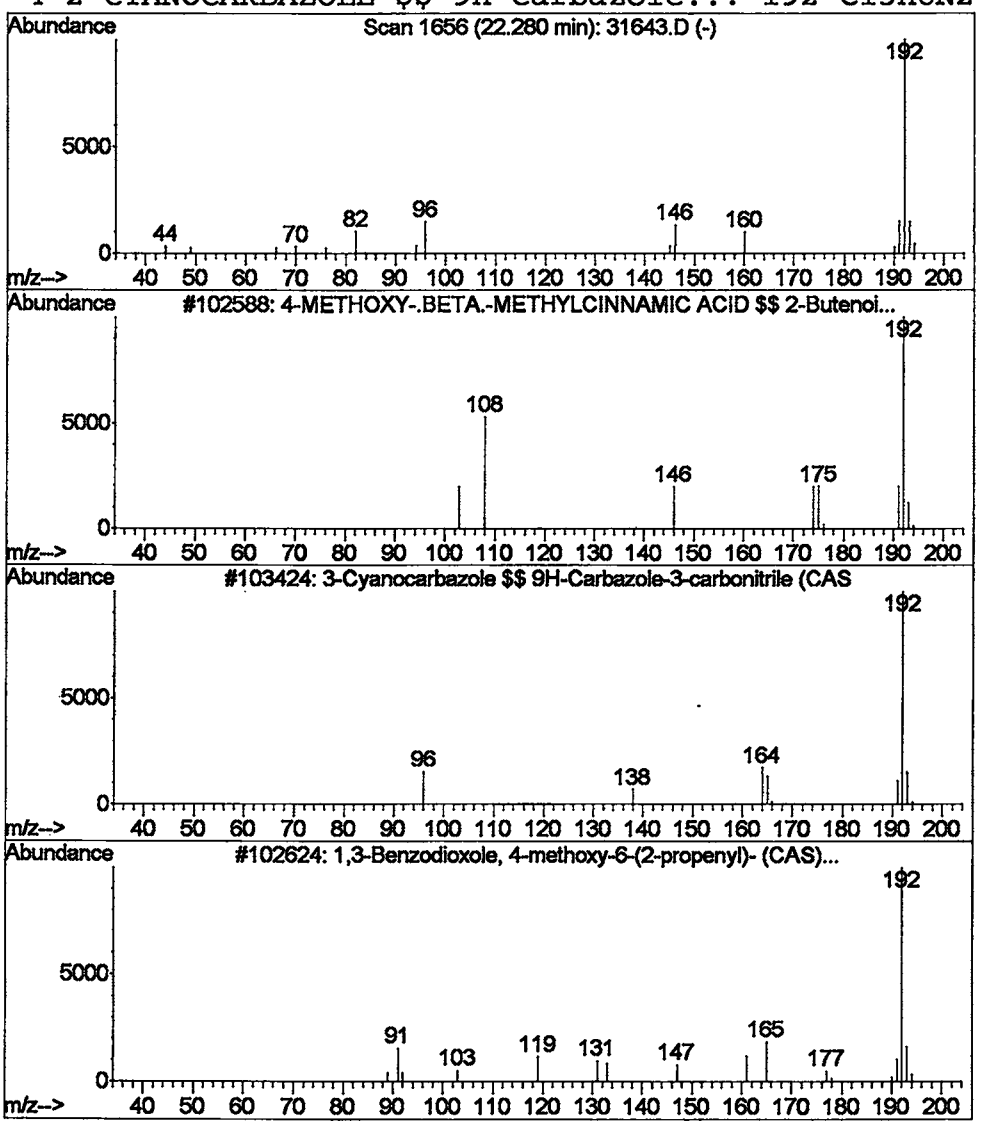
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

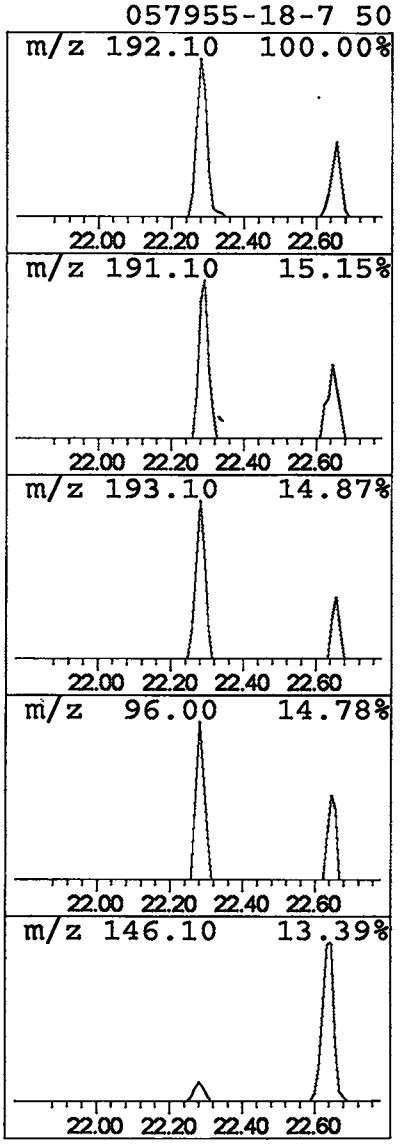
****

Peak Number 7 4-METHOXY-.BETA.-METHYLCINN... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.14 ug/L	82982	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-METHOXY-.BETA.-METHYLCINNAMIC ...	192	C11H12O3	019169-94-9	72
2	3-Cyanocarbazole $$ 9H-Carbazole...	192	C13H8N2	057102-93-9	64
3	1,3-Benzodioxole, 4-methoxy-6-(2...	192	C11H12O3	000607-91-0	52
4	2-CYANOCARBAZOLE $$ 9H-Carbazole...	192	C13H8N2	057955-18-7	50





Data File : C:\MSDCHEM\1\5973N\02JAN17\31643.D Vial: 3
Acq On : 17 Jan 2002 4:29 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 17, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

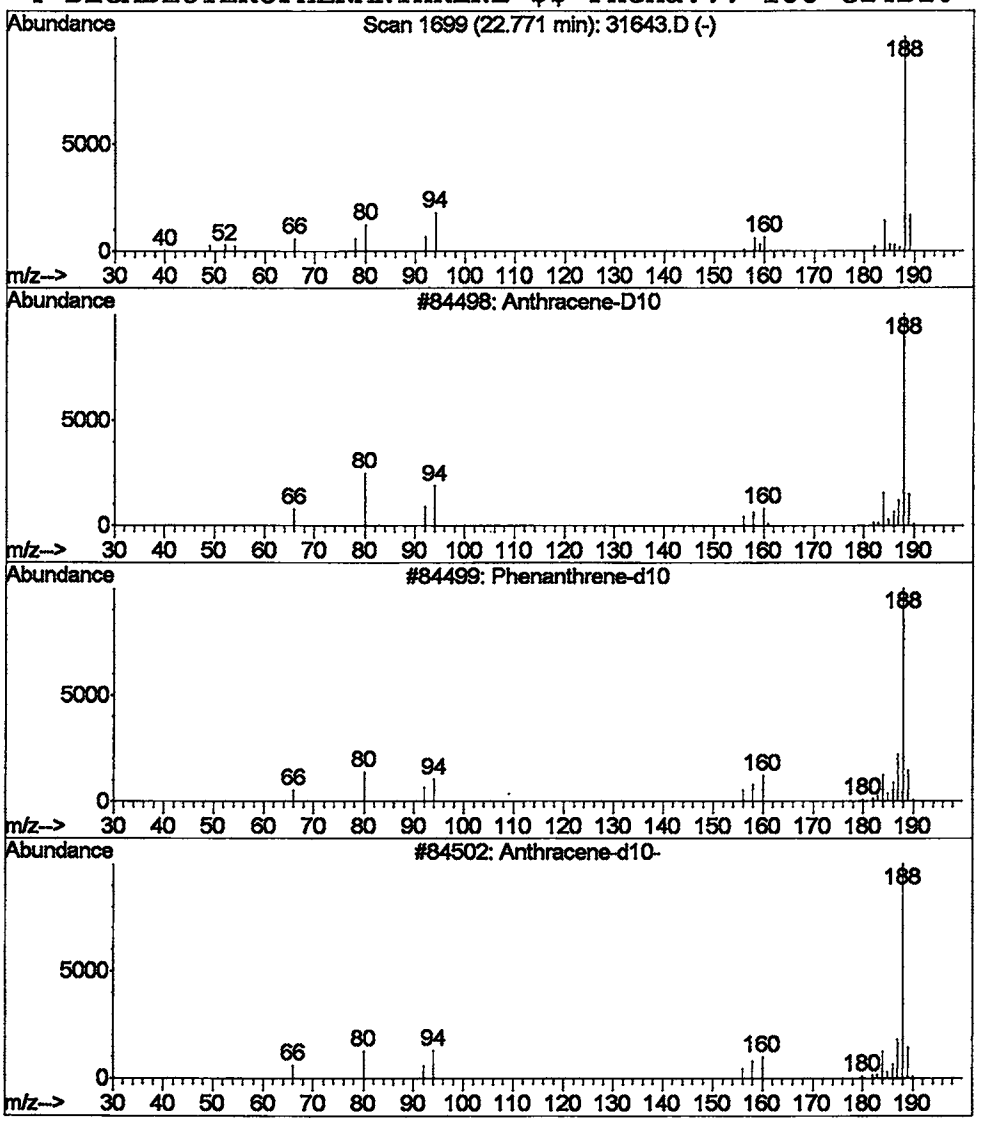
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

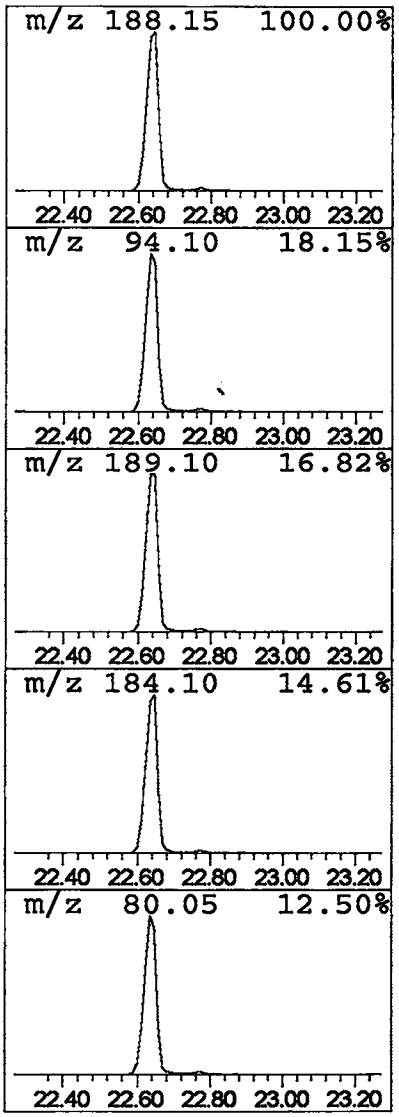
****

Peak Number 8 Anthracene-D10 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.35 ug/L	203644	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-D10	188	C14D10	000000-00-0	91
2	Phenanthrene-d10	188	C14D10	001517-22-2	86
3	Anthracene-d10-	188	C14D10	001719-06-8	74
4	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	56





Tentatively Identified Compound (TIC) Summary

Operator ID: Date Acquired: 17 Jan 2002 4:29 pm
Data File: C:\MSDCHEM\1\5973N\02JAN17\31643.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
Acetonitrile, dic...	3.49	0.1	ug/L	42713	1	9.71	6985300	20.0
Butanoic acid, me...	3.60	0.1	ug/L	45470	1	9.71	6985300	20.0
Isothiazole (CAS)...	4.24	0.2	ug/L	68299	1	9.71	6985300	20.0
Butanoic acid, 2-...	4.63	0.1	ug/L	45239	1	9.71	6985300	20.0
2-Butenal, 2-meth...	4.84	0.2	ug/L	80627	1	9.71	6985300	20.0
Butane, 2-methoxy...	5.89	4.1	ug/L	1440590	1	9.71	6985300	20.0
4-METHOXY-.BETA.-...	22.28	0.1	ug/L	82982	4	22.65	11767600	20.0
Anthracene-D10	22.77	0.3	ug/L	203644	4	22.65	11767600	20.0