User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/24/2002 Time: 11:30:54

Sample: AE00315
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/24/02 11:30 Ended: 1/24/02 11:30 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		81		5.0

Comments for Sample AE00315 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-24-2002 Time: 11:31:22

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 31 of the 43 compounds in the LCS Standard were above their acceptance ranges.

NYC 9/11 Public Portal Document

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN14\00315.D Vial: 4
Acq On : 14 Jan 2002 12:59 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 14, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 15 08:47:06 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	1284670	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	5420712	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	2891681	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.65	188	4907269	20.00	ug/L	-0.02
38) Chrysene-d12	30.50	240	4261457	20.00	ug/L	-0.01
44) Perylene-d12	34.42	264	3083480	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	315360	4.07	ug/L	0.00
Spiked Amount 5.000			Recovery = 81.40%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.61	74	7109	0.13	ug/L #	13
20) Dimethylphthalate	18.34	163	460628	2.41	ug/L #	55
21) 2,6-Dinitrotoluene	18.34	165	366063	9.83	ug/L #	17
35) Di-n-butylphthalate	24.85	149	22535	0.07	ug/L	97
41) Benzo(a)anthracene	30.50	228	11135	0.04	ug/L #	70
42) Bis(2-ethylhexyl)phthalate	31.11	149	10069	0.60	ug/L	89
43) Chrysene	30.50	228	11135	0.04	ug/L #	67
48) Benzo(a)pyrene	34.42	252	11185	0.06	ug/L #	1

(#) = qualifier out of range (m) = manual integration

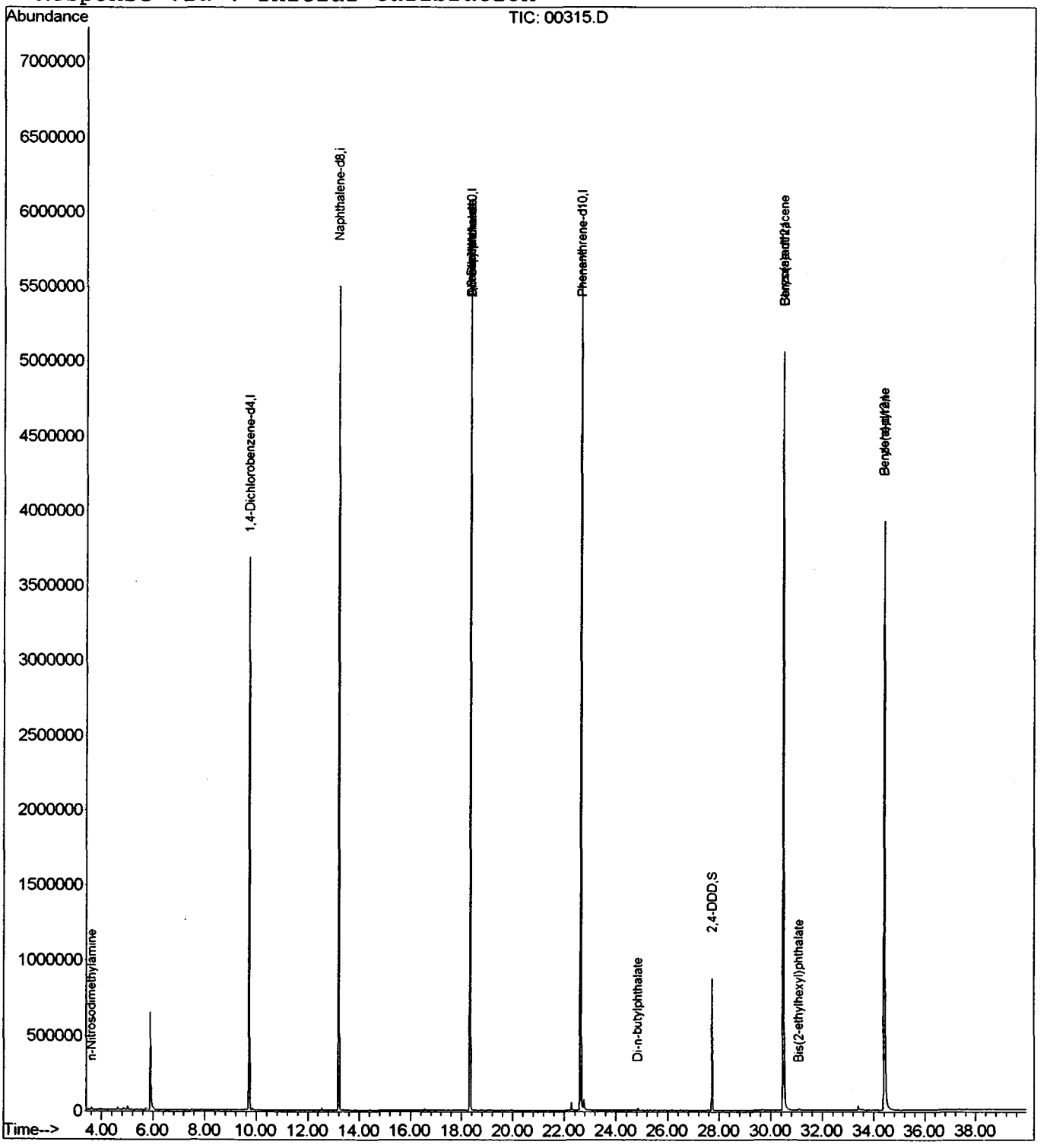
NYC-WTC_000051382

NYC 9/11 Public Portal Document

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN14\00315.D Vial: 4
Acq On : 14 Jan 2002 12:59 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 14, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 15 8:47 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



NYC-WTC_000051383

NYC 9/11 Public Portal Document

LSC Area Percent Report

Data File : C:\MSDCHEM\1\5973N\02JAN14\00315.D Vial: 4
Acq On : 14 Jan 2002 12:59 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 14, 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	3.614	19	21	29	rVV	19059	36406	0.28%	0.053%
2	4.630	101	110	119	rBV5	13804	31017	0.24%	0.045%
3	4.847	125	129	135	rBV3	15291	44610	0.34%	0.065%
4	5.006	141	143	149	rVB2	24627	46395	0.36%	0.067%
5	5.714	201	205	209	rBV2	15367	31310	0.24%	0.045%
6	5.885	217	220	239	rBV	646339	1333590	10.27%	1.935%
7	9.710	551	555	561	rVV	3683158	7306303	56.25%	10.599%
8	9.847	561	567	577	rVB2	13604	45907	0.35%	0.067%
9	13.192	855	860	865	rBV	5495695	10448902	80.45%	15.158%
10	18.341	1305	1311	1315	rBV	6020240	11748779	90.46%	17.043%
11	22.280	1653	1656	1659	rBV2	52689	94607	0.73%	0.137%
12	22.645	1681	1688	1693	rVV2	5730143	12988332	100.00%	18.842%
13	22.771	1693	1699	1719	rVB	72870	220865	1.70%	0.320%
14	24.849	1877	1881	1887	rVV	16521	30966	0.24%	0.045%
15	27.726	2127	2133	2137	rBV	874999	1530019	11.78%	2.220%
16	29.678	2299	2304	2311	rVB2	9529	33954	0.26%	0.049%
17	30.500	2369	2376	2381	rBV	5051684	12400928	95.48%	17.989%
18	31.105	2425	2429	2439	rVB4	10534	40749	0.31%	0.059%
19	33.400	2625	2630	2639	rBV2	27685	74187	0.57%	0.108%
20	34.416	2713	2719	2745	rBV	3921242	10446731	80.43%	15.155%

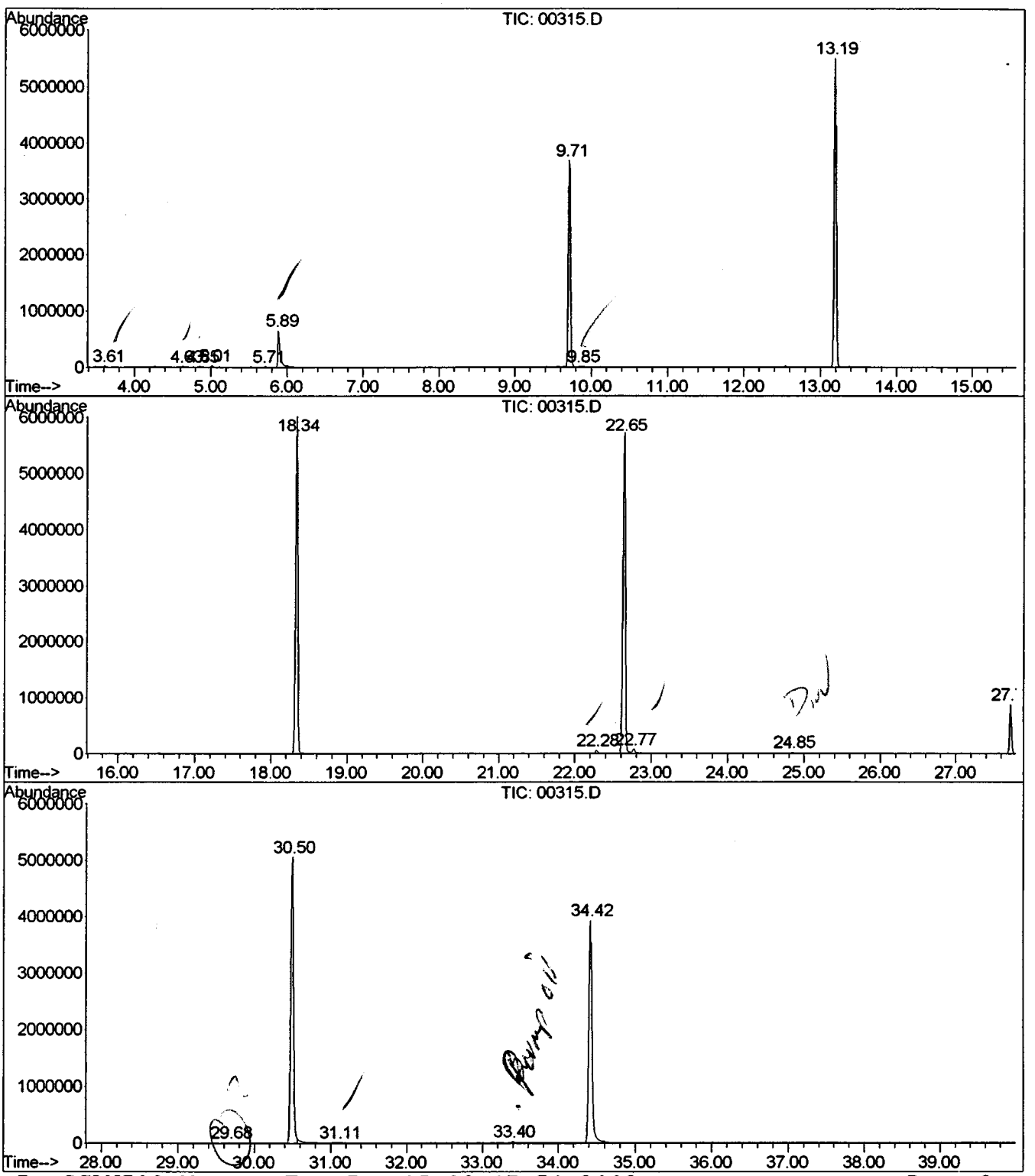
Sum of corrected areas: 68934557

NYC-WTC_000051384

NYC 9/11 Public Portal Document

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02JAN14\00315.D
Operator :
Acquired : 14 Jan 2002 12:59 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : January 14, 2002
Vial Number: 4
Quant File :SCAN508.RES (RTE Integrator)



NYC-WTC_000051385

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN14\00315.D Vial: 4
Acq On : 14 Jan 2002 12:59 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 14, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

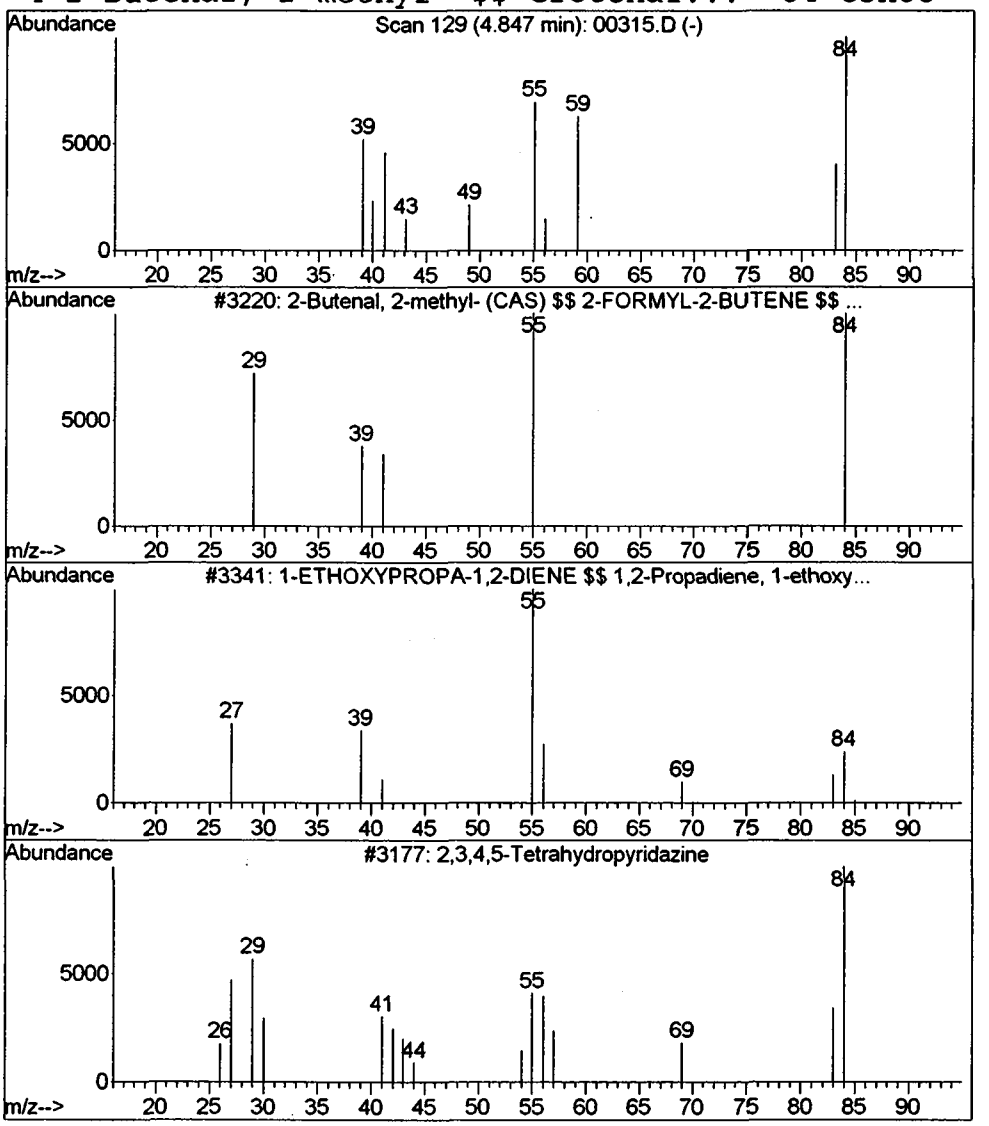
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

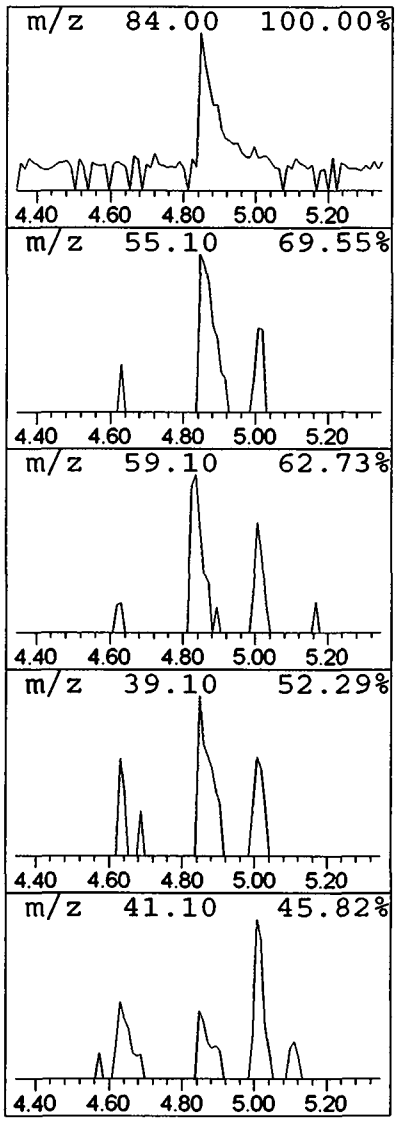
****

Peak Number 1 2-Butenal, 2-methyl- (CAS) ... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	0.12 ug/L	44610	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal, 2-methyl- (CAS) $$ 2-...	84	C5H8O	001115-11-3	5
2	1-ETHOXYPROPA-1,2-DIENE $$ 1,2-P...	84	C5H8O	013077-71-9	5
3	2,3,4,5-Tetrahydropyridazine	84	C4H8N2	000694-06-4	4
4	2-Butenal, 2-methyl- $$ Crotonal...	84	C5H8O	001115-11-3	4





NYC-WTC_000051386

Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN14\00315.D Vial: 4
Acq On : 14 Jan 2002 12:59 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 14, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

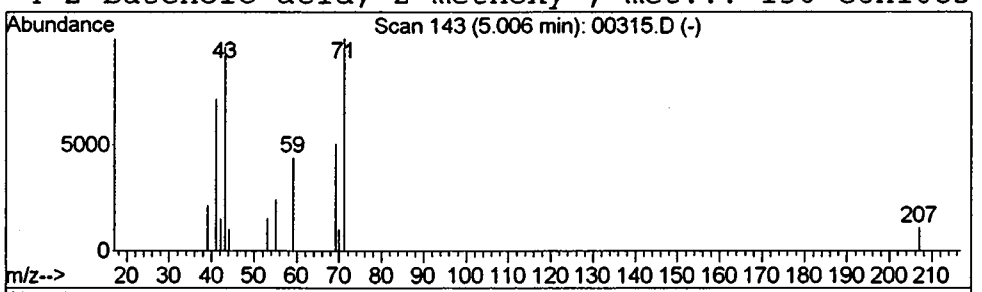
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

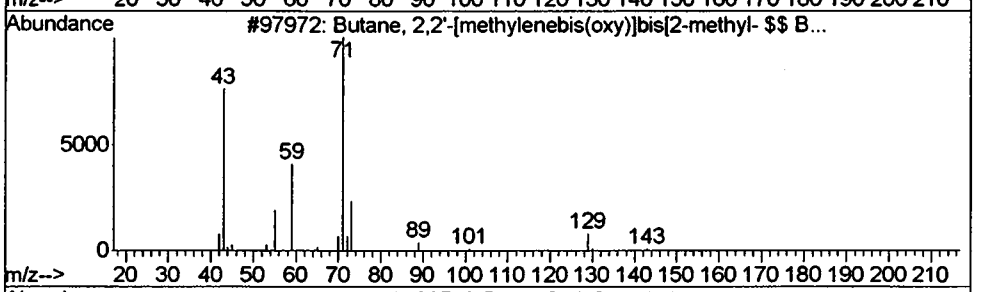
****

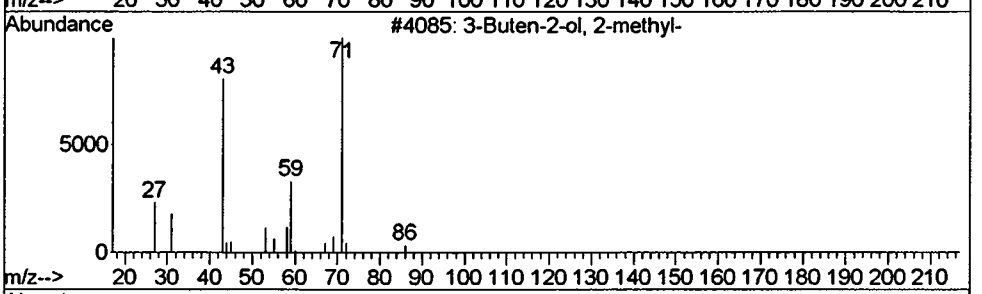
Peak Number 2 Butane, 2,2'-[methylenebis(... Concentration Rank 5

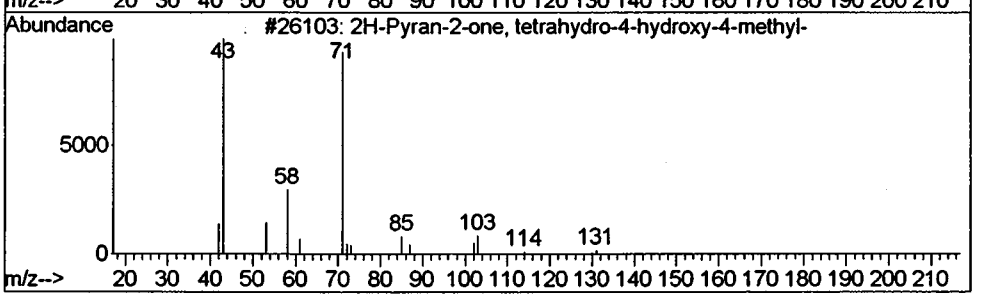
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	0.13 ug/L	46395	1,4-Dichlorobenzene-d4	9.72

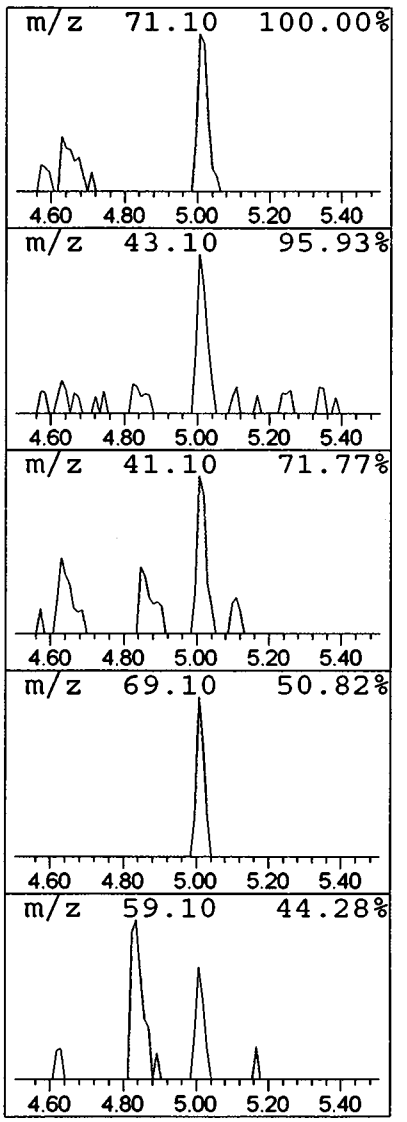
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2'-[methylenebis(oxy)]...	188	C11H24O2	054699-28-4	50
2	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	40
3	2H-Pyran-2-one, tetrahydro-4-hyd...	130	C6H10O3	000503-48-0	9
4	2-Butenoic acid, 2-methoxy-, met...	130	C6H10O3	056009-29-1	9











Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN14\00315.D Vial: 4
Acq On : 14 Jan 2002 12:59 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 14, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

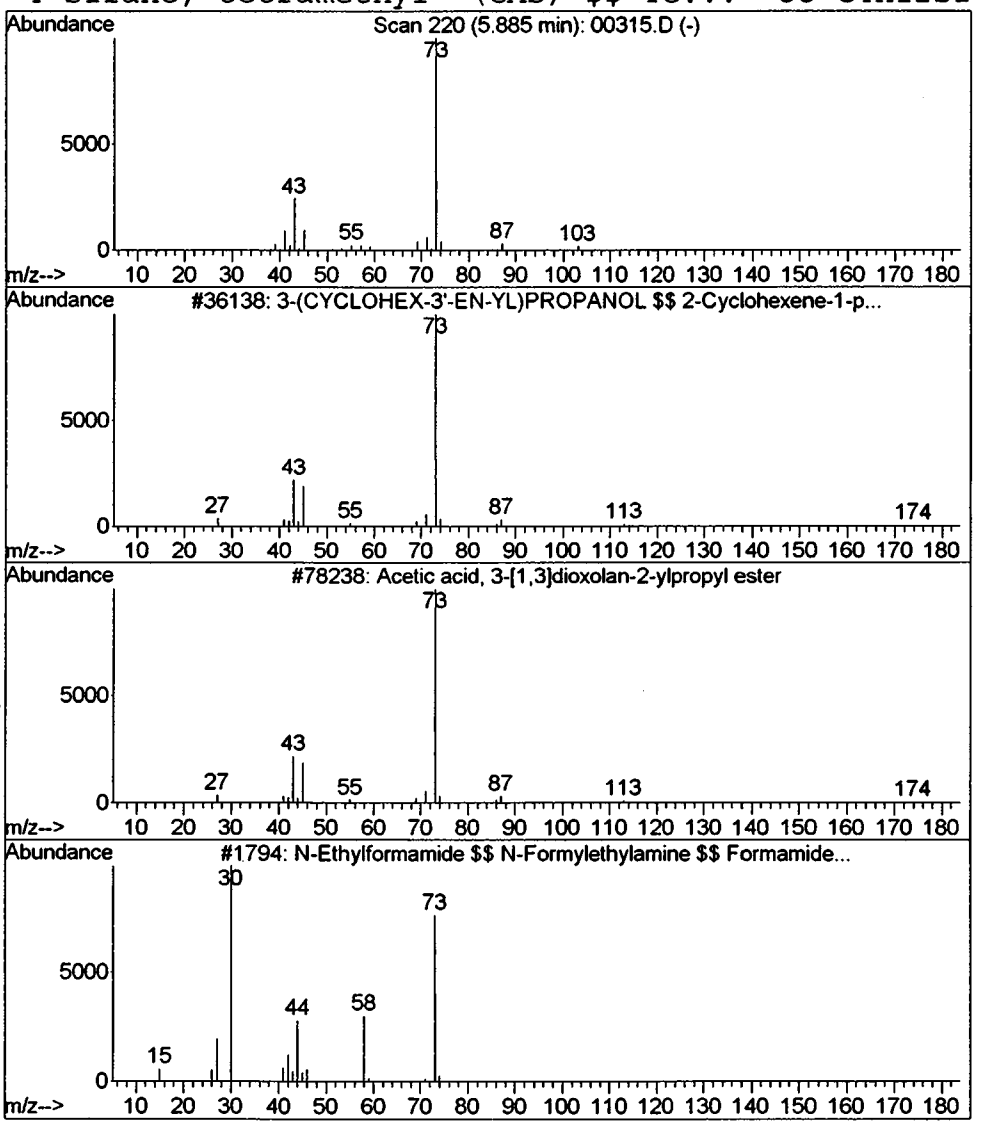
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

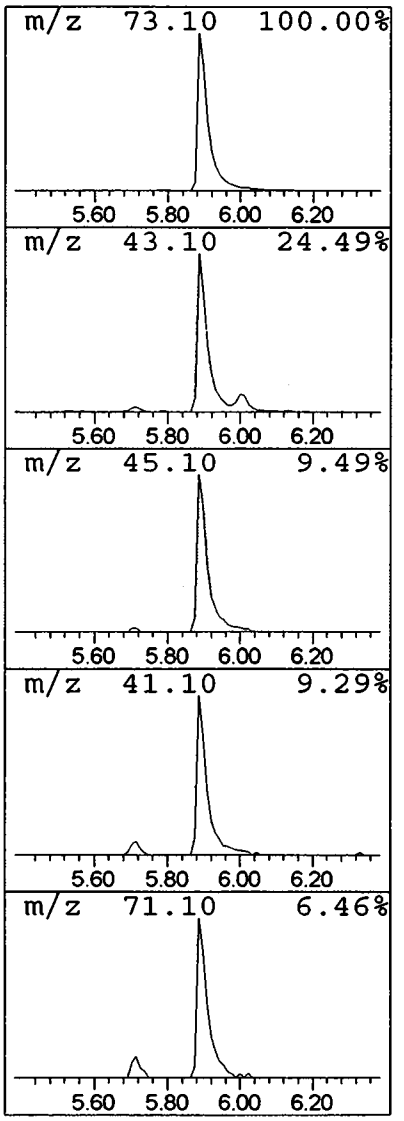
****

Peak Number 3 3-(CYCLOHEX-3'-EN-YL)PROPAN... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	3.65 ug/L	1333590	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	33
2	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	33
3	N-Ethylformamide $$ N-Formylethy...	73	C3H7NO	000627-45-2	9
4	Silane, tetramethyl- (CAS) $$ Te...	88	C4H12Si	000075-76-3	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN14\00315.D Vial: 4
Acq On : 14 Jan 2002 12:59 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 14, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

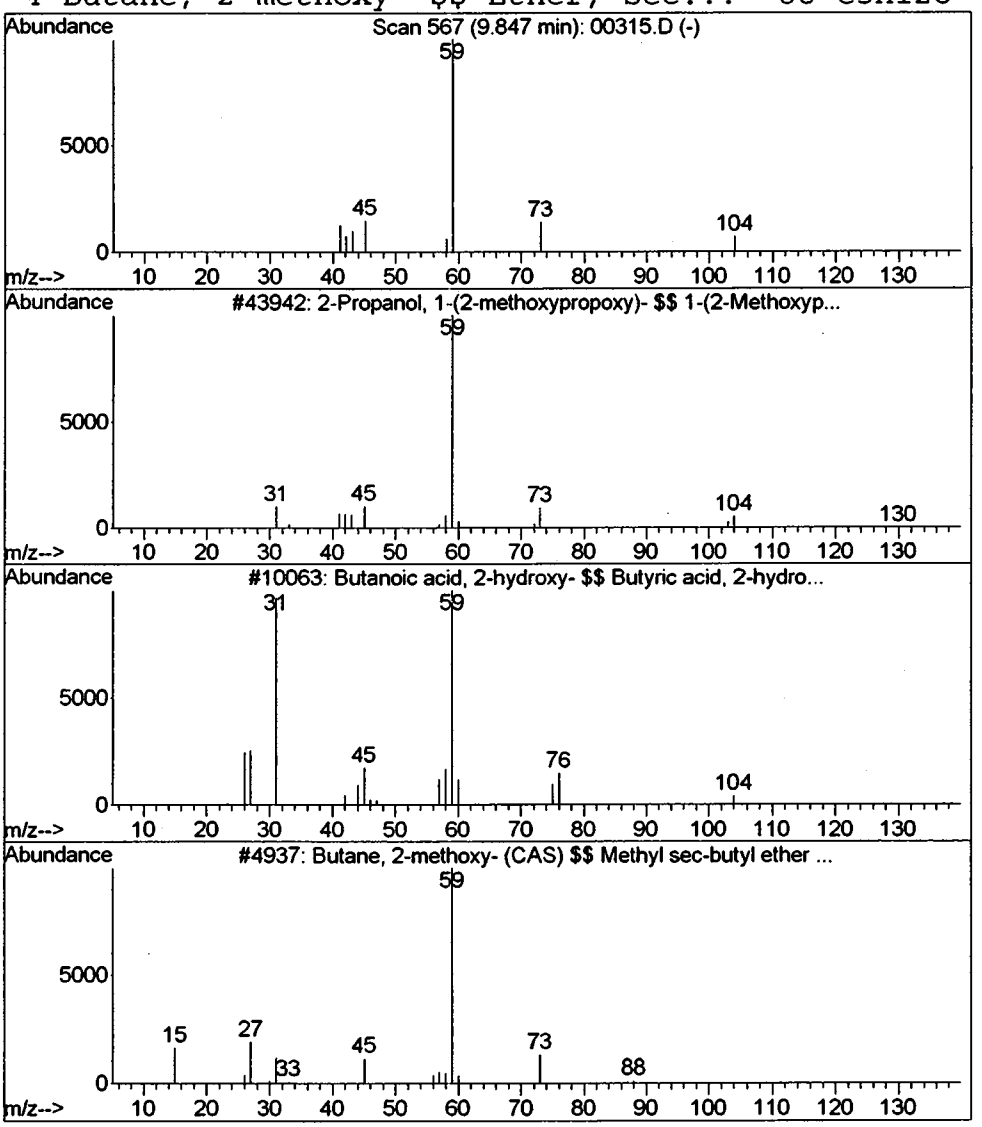
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

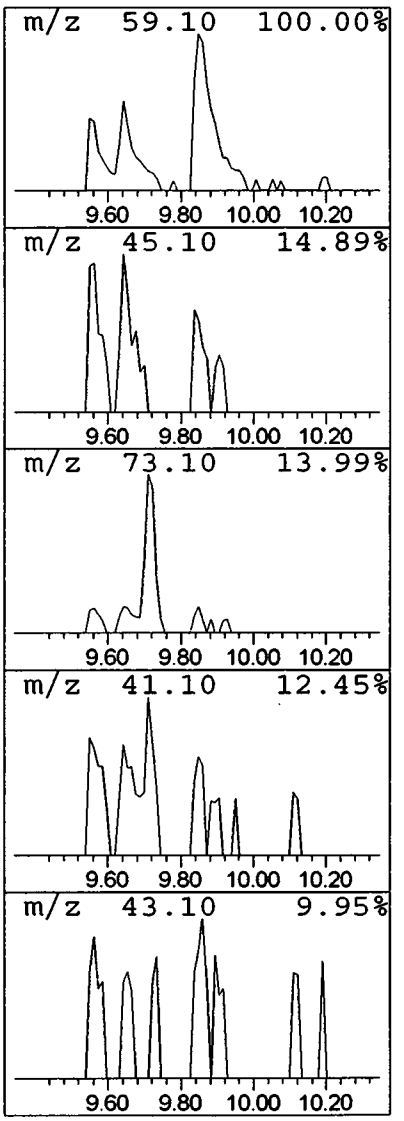
****

Peak Number 4 2-Propanol, 1-(2-methoxypro... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	0.13 ug/L	45907	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxypropoxy)...	148	C7H16O3	013429-07-7	83
2	Butanoic acid, 2-hydroxy- $$ But...	104	C4H8O3	000565-70-8	9
3	Butane, 2-methoxy- (CAS) $$ Meth...	88	C5H12O	006795-87-5	9
4	Butane, 2-methoxy- $$ Ether, sec...	88	C5H12O	006795-87-5	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN14\00315.D Vial: 4
Acq On : 14 Jan 2002 12:59 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 14, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

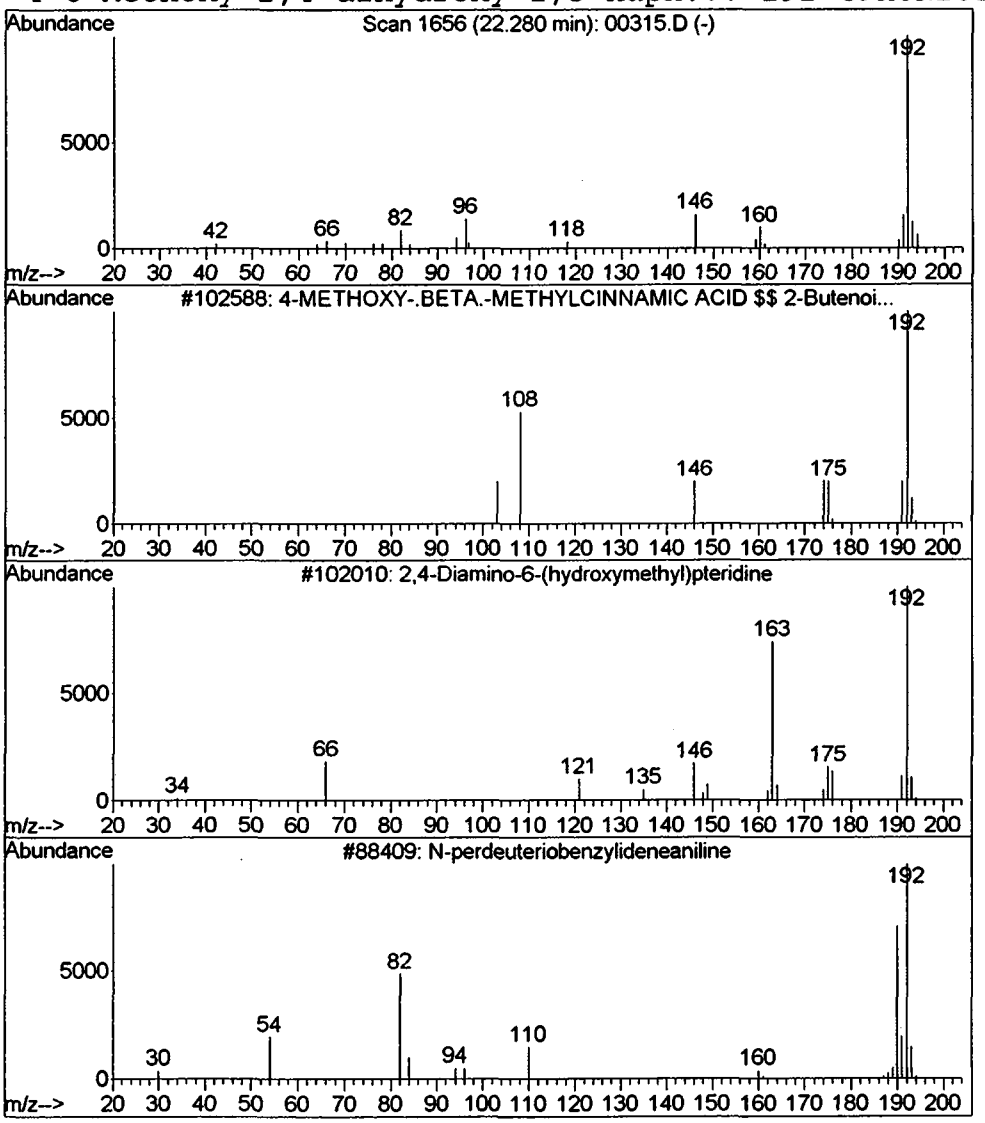
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

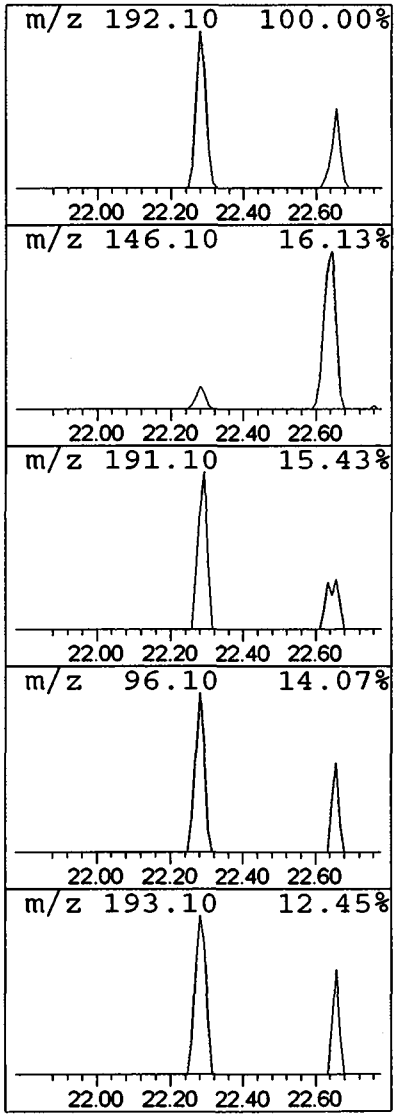
****

Peak Number 5 4-METHOXY-.BETA.-METHYLCINN... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.15 ug/L	94607	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-METHOXY-.BETA.-METHYLCINNAMIC ...	192	C11H12O3	019169-94-9	64
2	2,4-Diamino-6-(hydroxymethyl)pte...	192	C7H8N6O	000945-24-4	59
3	N-perdeuteriobenzylideneaniline	192	C13D11N	000538-51-2	58
4	6-Methoxy-2,4-dihydroxy-1,5-naph...	192	C9H8N2O3	000000-00-0	50





NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN14\00315.D Vial: 4
Acq On : 14 Jan 2002 12:59 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 14, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

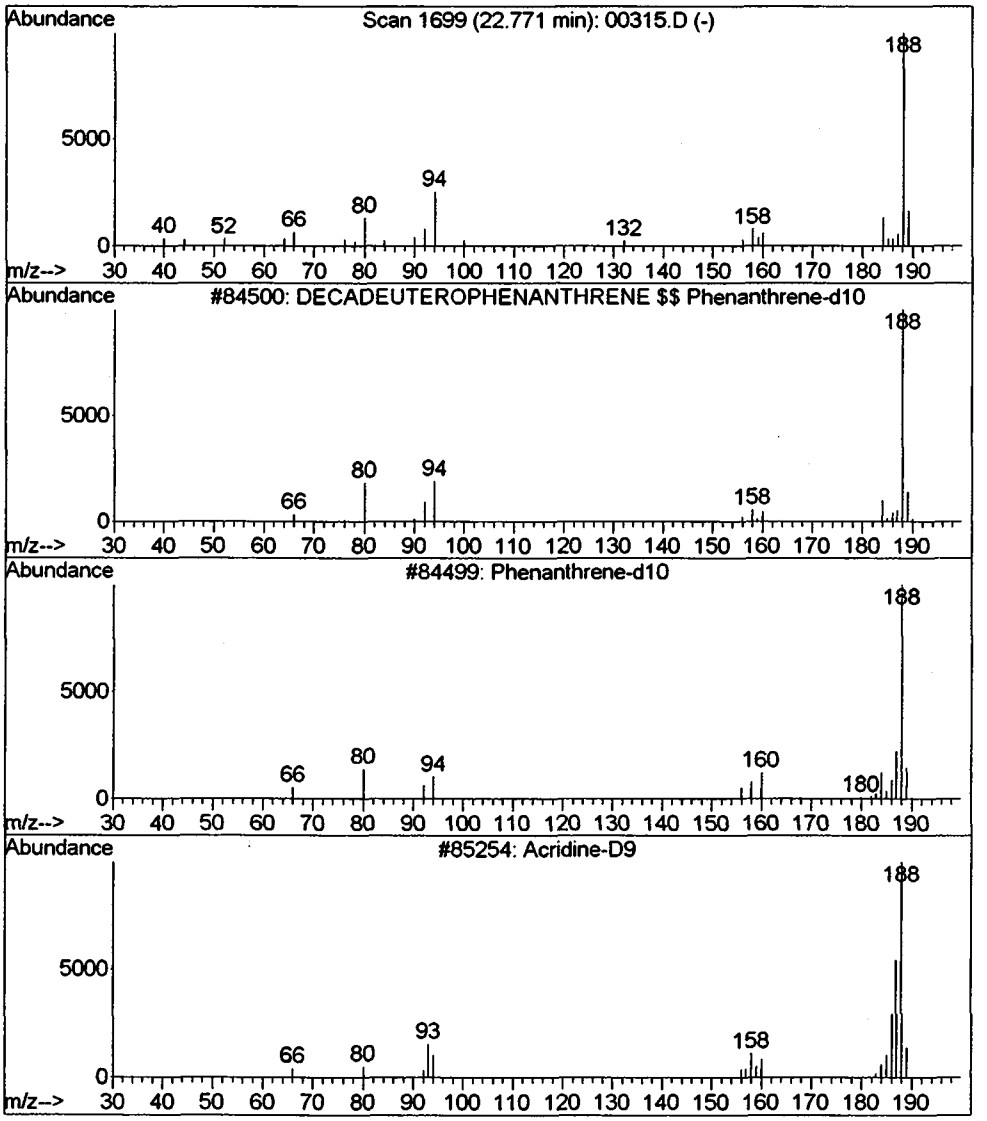
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

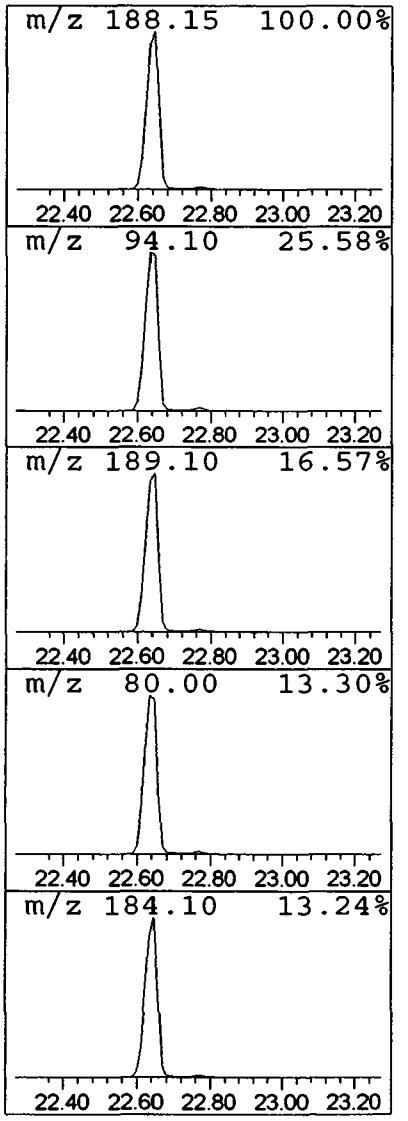
****

Peak Number 6 DECADEUTEROPHENANTHRENE $$ ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.34 ug/L	220865	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	87
2	Phenanthrene-d10	188	C14D10	001517-22-2	64
3	Acridine-D9	188	C13D9N	000000-00-0	59
4	Acridine-D9	188	C13D9N	000000-00-0	45





NYC-WTC_000051391

Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN14\00315.D Vial: 4
Acq On : 14 Jan 2002 12:59 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 14, 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

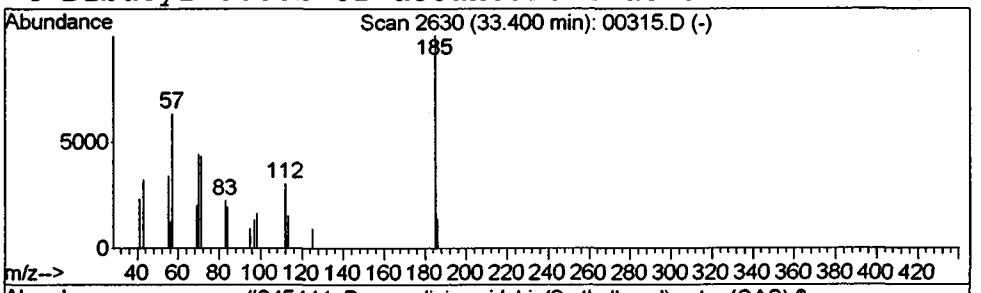
****

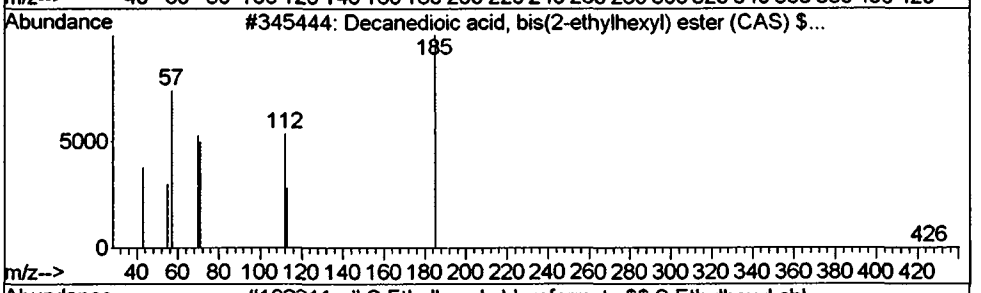
Peak Number 7 Decanedioic acid, bis(2-eth... Concentration Rank 4

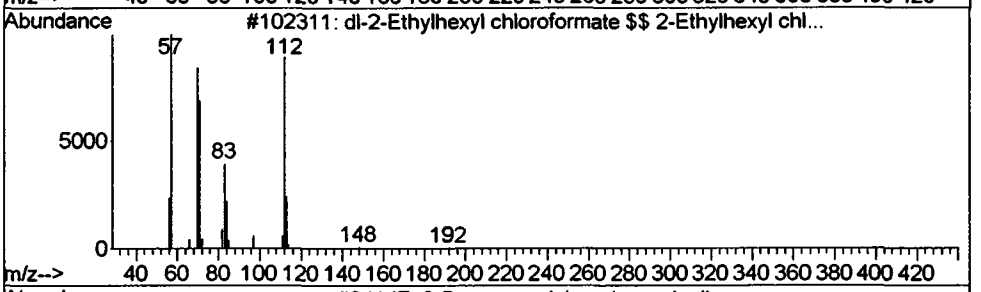
R.T.	EstConc	Area	Relative to ISTD	R.T.
33.40	0.14 ug/L	74187	Perylene-d12	34.42

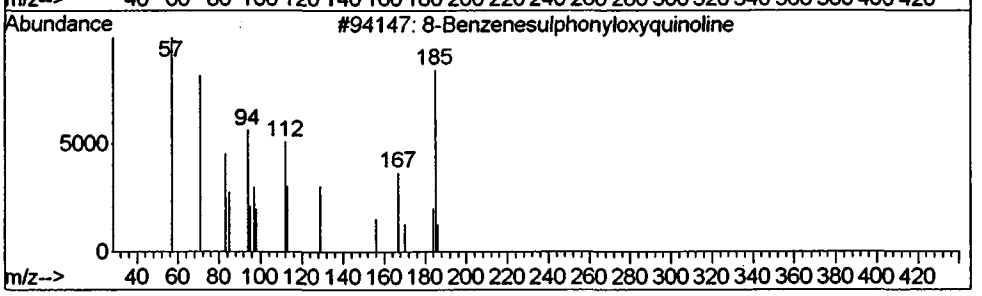
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decanedioic acid, bis(2-ethylhex...	426	C26H50O4	000122-62-3	59
2	dl-2-Ethylhexyl chloroformate $$...	192	C9H17ClO2	024468-13-1	35
3	8-Benzenesulphonyloxyquinoline	185	C12H11NO	000000-00-0	35
4	Dibutyl ester of decanedioic acid	314	C18H34O4	000000-00-0	27

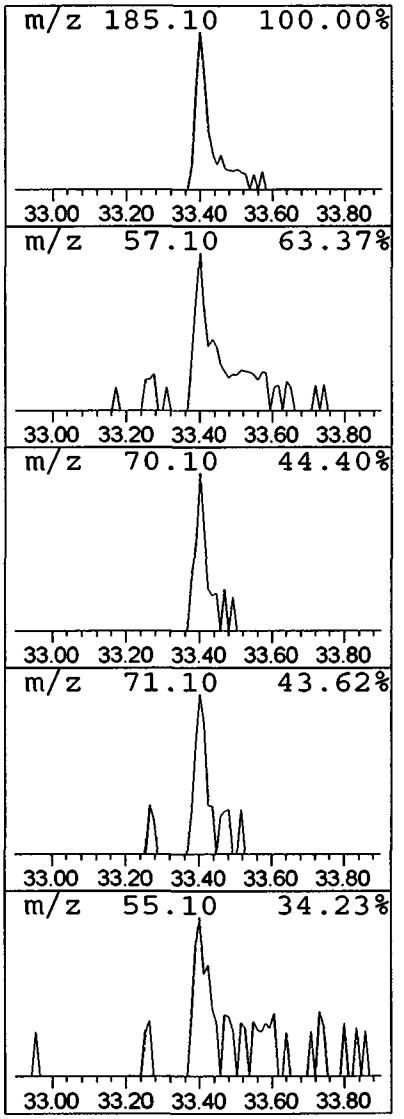
NO GOOD MATCH











NYC 9/11 Public Portal Document

Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 14 Jan 2002 12:59 pm
Data File: C:\MSDCHEM\1\5973N\02JAN14\00315.D
Name: 508 scan
Misc: January 14, 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
2-Butenal, 2-meth...	4.85	0.1	ug/L	44610	1	9.72	7306300	20.0
Butane, 2,2'-[met...	5.01	0.1	ug/L	46395	1	9.72	7306300	20.0
3-(CYCLOHEX-3'-EN...	5.89	3.7	ug/L	1333590	1	9.72	7306300	20.0
2-Propanol, 1-(2-...	9.85	0.1	ug/L	45907	1	9.72	7306300	20.0
4-METHOXY-.BETA.-...	22.28	0.1	ug/L	94607	4	22.65	12988300	20.0
DECADEUTEROPHENAN...	22.77	0.3	ug/L	220865	4	22.65	12988300	20.0
Decanedioic acid,...	33.40	0.1	ug/L	74187	6	34.42	10446700	20.0

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