User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/18/2002 Time: 14:09:56

Sample: AE00471
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/18/02 14:09 Ended: 1/18/02 14:09 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		76		5.0

98/100
.19 mg/L
1/7 Curcio
MeDEP CAT 6 FF
CAS 119-47-1
FB366 - contam
c PAH / PATH

~~DCB~~ FB

Comments for Sample AE00471 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-18-2002 Time: 14:12:00

The GCMS scan, from 35 to 550 amu, reveals the presence of 2,2'-methylenebis...phenol at an estimated level of 0.19 ug/L and with a fit of 98 out of 100. The recovery for 1 of the 43 compounds in the LCS Standard was above its acceptance range.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN10\00471.D Vial: 6
Acq On : 10 Jan 2002 6:57 pm Operator:
Sample : 508 scan ext 1/8 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 11 10:18:56 2002 Quant Results File: SCAN508.RES

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Thu Jan 10 11:01:02 2002
Response via : Initial Calibration
DataAcq Meth : SCAN508

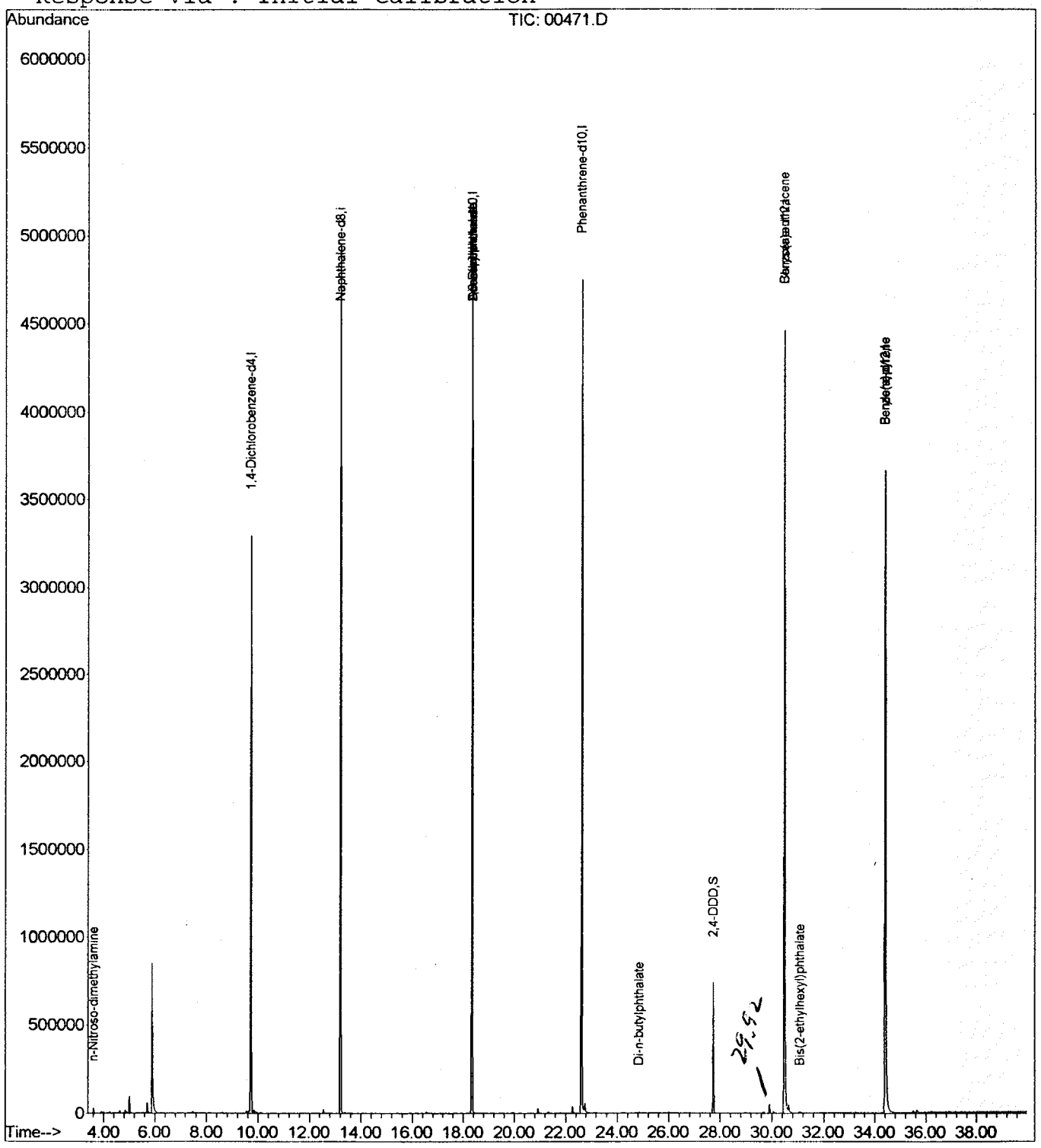
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.71	152	1147711	20.00	ug/L	-0.01
10) Naphthalene-d8	13.19	136	4835712	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	2457924	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.63	188	4040511	20.00	ug/L	-0.03
38) Chrysene-d12	30.49	240	3670001	20.00	ug/L	-0.02
44) Perylene-d12	34.42	264	2751004	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	241426	3.78	ug/L	0.00
Spiked Amount 5.000			Recovery = 75.60%			
Target Compounds						Qvalue
2) n-Nitroso-dimethylamine	3.61	74	13364	0.27	ug/L #	10
20) Dimethylphthalate	18.34	163	394987	2.43	ug/L #	55
21) 2,6-Dinitrotoluene	18.34	165	316019	9.98	ug/L #	17
35) Di-n-butylphthalate	24.85	149	8681	0.03	ug/L #	87
41) Benzo(a)anthracene	30.49	228	7928	0.04	ug/L #	50
42) Bis(2-ethylhexyl)phthalate	31.09	149	7381	0.59	ug/L #	44
43) Chrysene	30.49	228	7928	0.04	ug/L #	47
48) Benzo(a)pyrene	34.42	252	9745	0.05	ug/L #	1

(#) = qualifier out of range (m) = manual integration
00471.D SCAN508.M Fri Jan 11 10:18:57 2002 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN10\00471.D Vial: 6
Acq On : 10 Jan 2002 6:57 pm Operator:
Sample : 508 scan ext 1/8 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 11 10:18 2002 Quant Results File: SCAN508.RE

Method : C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Thu Jan 10 11:01:02 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\5973N\02JAN10\00471.D Vial: 6
Acq On : 10 Jan 2002 6:57 pm Operator:
Sample : 508 scan ext 1/8 Inst : Instrumen
Misc : January 10, 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

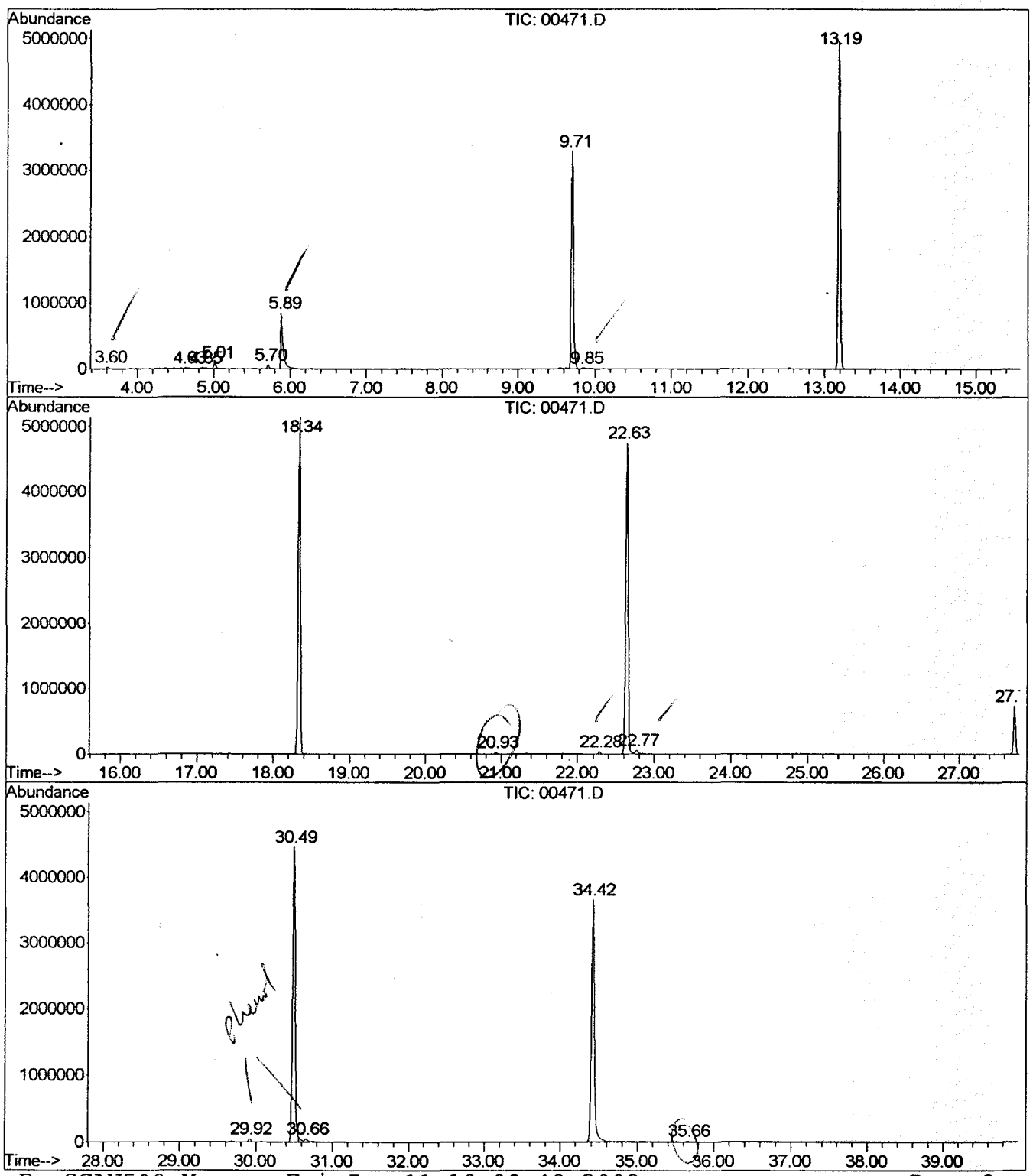
Signal : TIC

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	rVB	31073	58535	0.55%	0.097%
2	4.629	101	110	125	rVB	17487	52684	0.49%	0.087%
3	4.846	125	129	139	rBV2	20023	57269	0.54%	0.094%
4	5.006	139	143	149	rVB	95940	164603	1.54%	0.271%
5	5.703	201	204	209	rVV	57915	115149	1.08%	0.190%
6	5.885	217	220	243	rVV	847730	1717170	16.05%	2.832%
7	9.710	551	555	561	rVV	3295062	6550947	61.24%	10.803%
8	9.847	561	567	573	rVV	20228	62305	0.58%	0.103%
9	13.192	855	860	865	rBV	4952536	9284551	86.79%	15.311%
10	18.341	1305	1311	1315	rBV	5139094	10038236	93.84%	16.554%
11	20.933	1535	1538	1543	rVB	29828	47013	0.44%	0.078%
12	22.280	1653	1656	1661	rBV2	40147	72698	0.68%	0.120%
13	22.634	1681	1687	1693	rBV2	4752475	10697467	100.00%	17.641%
14	22.771	1695	1699	1711	rVB	58043	152277	1.42%	0.251%
15	27.726	2129	2133	2139	rBV	738921	1276023	11.93%	2.104%
16	29.918	2319	2325	2331	rVB	54715	102192	0.96%	0.169%
17	30.489	2369	2375	2381	rBV2	4463560	10645719	99.52%	17.556%
18	30.660	2387	2390	2401	rVB	49215	143641	1.34%	0.237%
19	34.416	2713	2719	2753	rBV	3659985	9357442	87.47%	15.431%
20	35.661	2823	2828	2833	rVV3	16817	42754	0.40%	0.071%

Sum of corrected areas: 60638675

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02JAN10\00471.D
Operator :
Acquired : 10 Jan 2002 6:57 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508 scan ext 1/8
Misc Info : January 10, 2002
Vial Number: 6
Quant File :SCAN508.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN10\00471.D Vial: 6
Acq On : 10 Jan 2002 6:57 pm Operator:
Sample : 508 scan ext 1/8 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

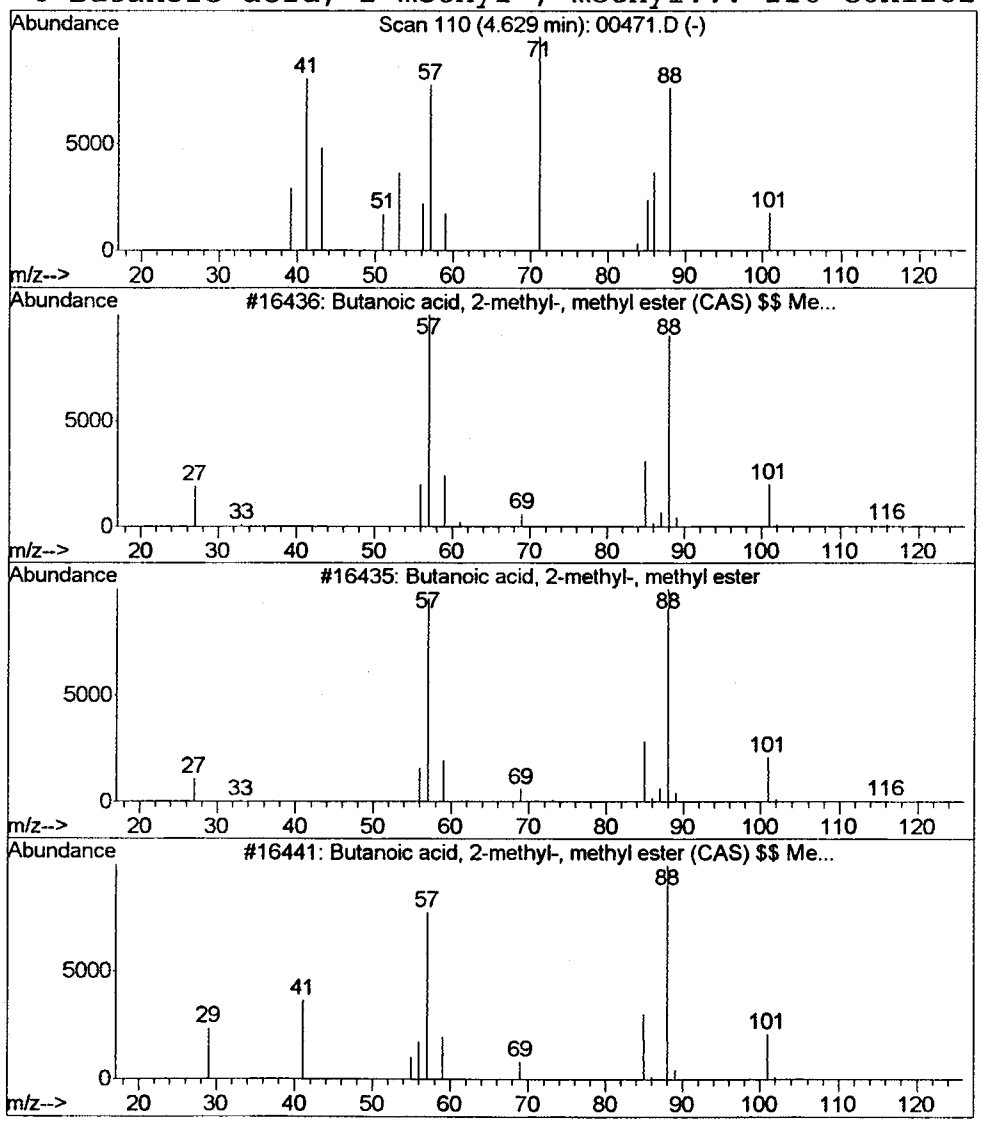
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

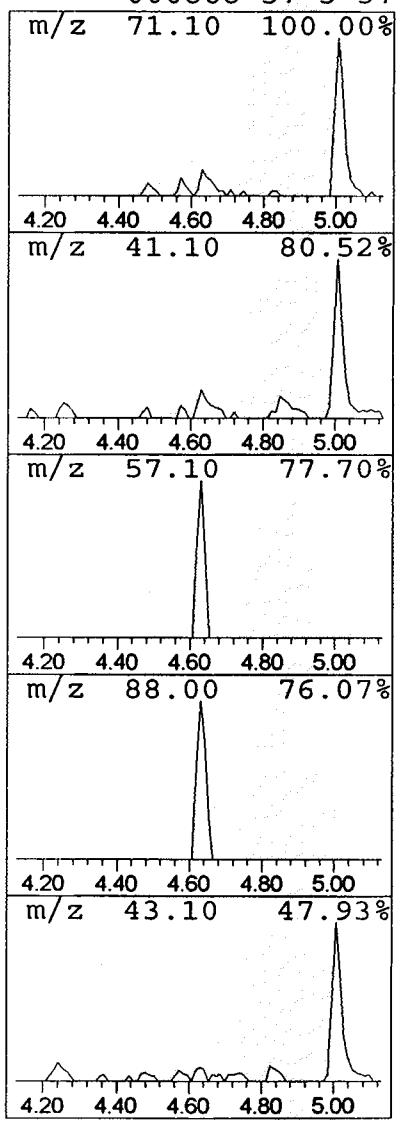
****

Peak Number 1 Butanoic acid, 2-methyl-, m... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.63	0.16 ug/L	52684	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	43
2	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	43
3	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	43
4	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	37





Library Search Compound Report

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Acq On : 10 Jan 2002 6:57 pm Operator:
Sample : 508 scan ext 1/8 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

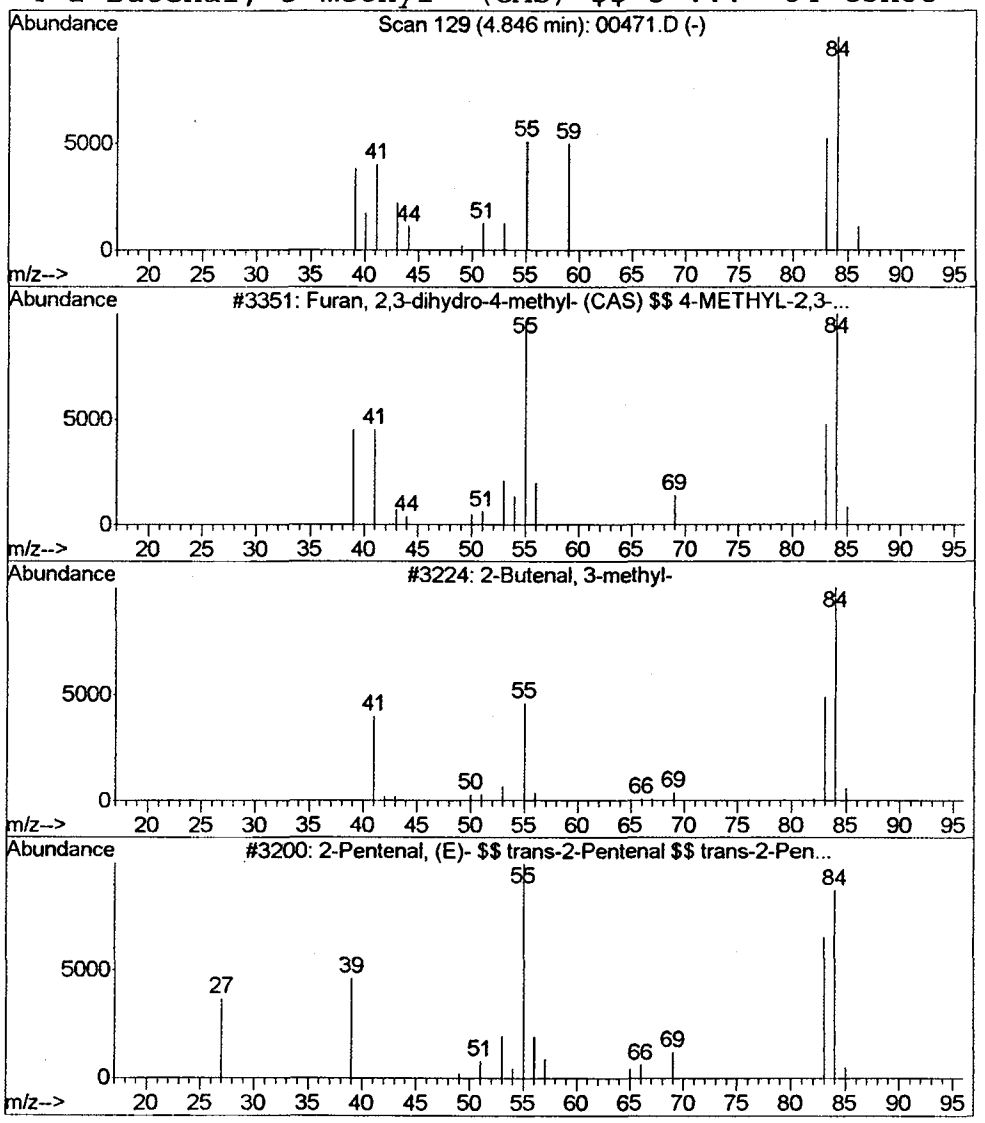
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

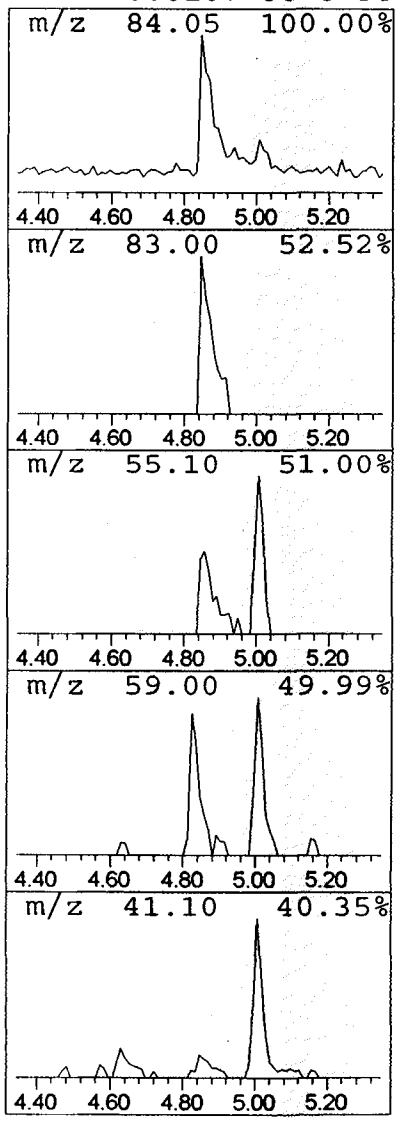
****

Peak Number 2 Furan, 2,3-dihydro-4-methyl... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	0.17 ug/L	57269	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2,3-dihydro-4-methyl- (CA...	84	C5H8O	034314-83-5	64
2	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	53
3	2-Pentenal, (E)- $$ trans-2-Pent...	84	C5H8O	001576-87-0	42
4	2-Butenal, 3-methyl- (CAS) $$ 3-...	84	C5H8O	000107-86-8	38





Library Search Compound Report

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Acq On : 10 Jan 2002 6:57 pm Operator:
Sample : 508 scan ext 1/8 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

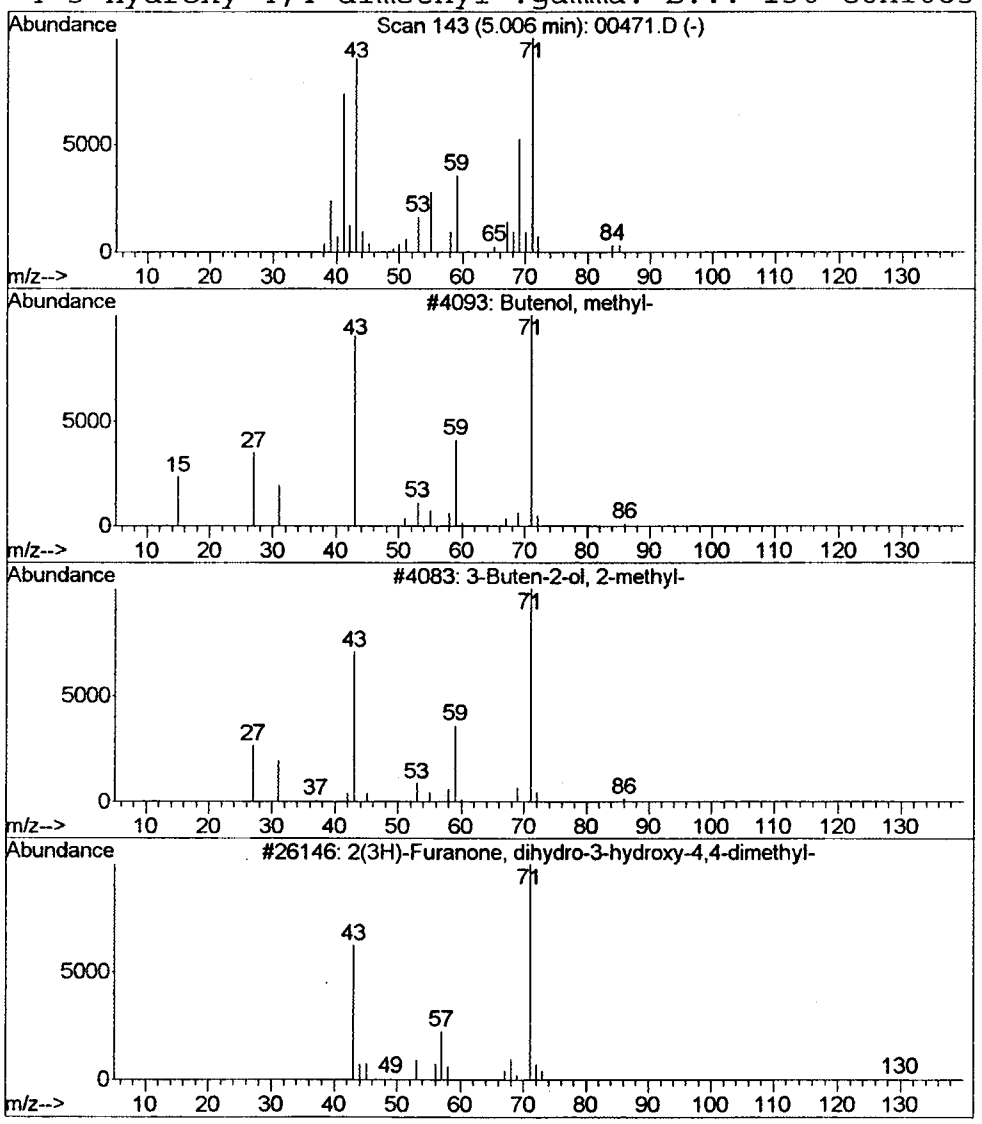
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

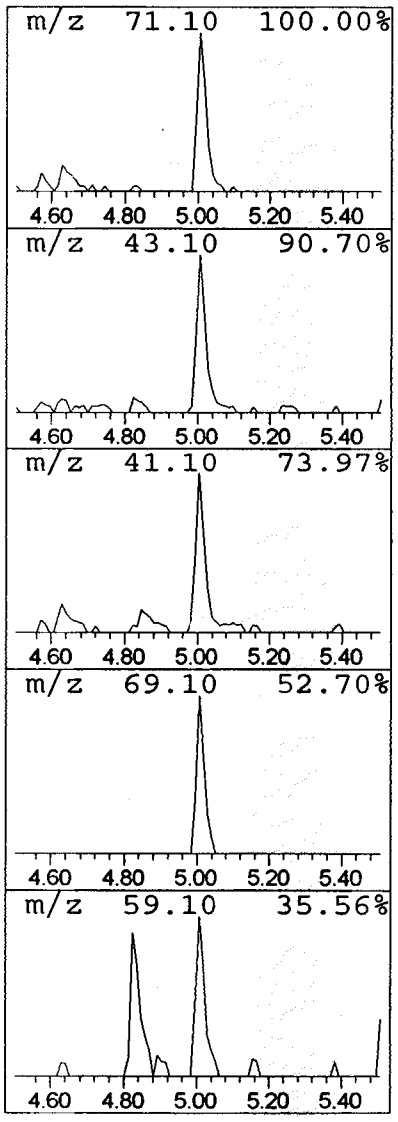
****

Peak Number 3 Butenol, methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	0.50 ug/L	164603	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butenol, methyl-	86	C5H10O	060766-00-9	64
2	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	59
3	2(3H)-Furanone, dihydro-3-hydrox...	130	C6H10O3	052126-90-6	42
4	3-hydroxy-4,4-dimethyl .gamma. B...	130	C6H10O3	052126-90-6	42





Library Search Compound Report

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Acq On : 10 Jan 2002 6:57 pm Operator:
Sample : 508 scan ext 1/8 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

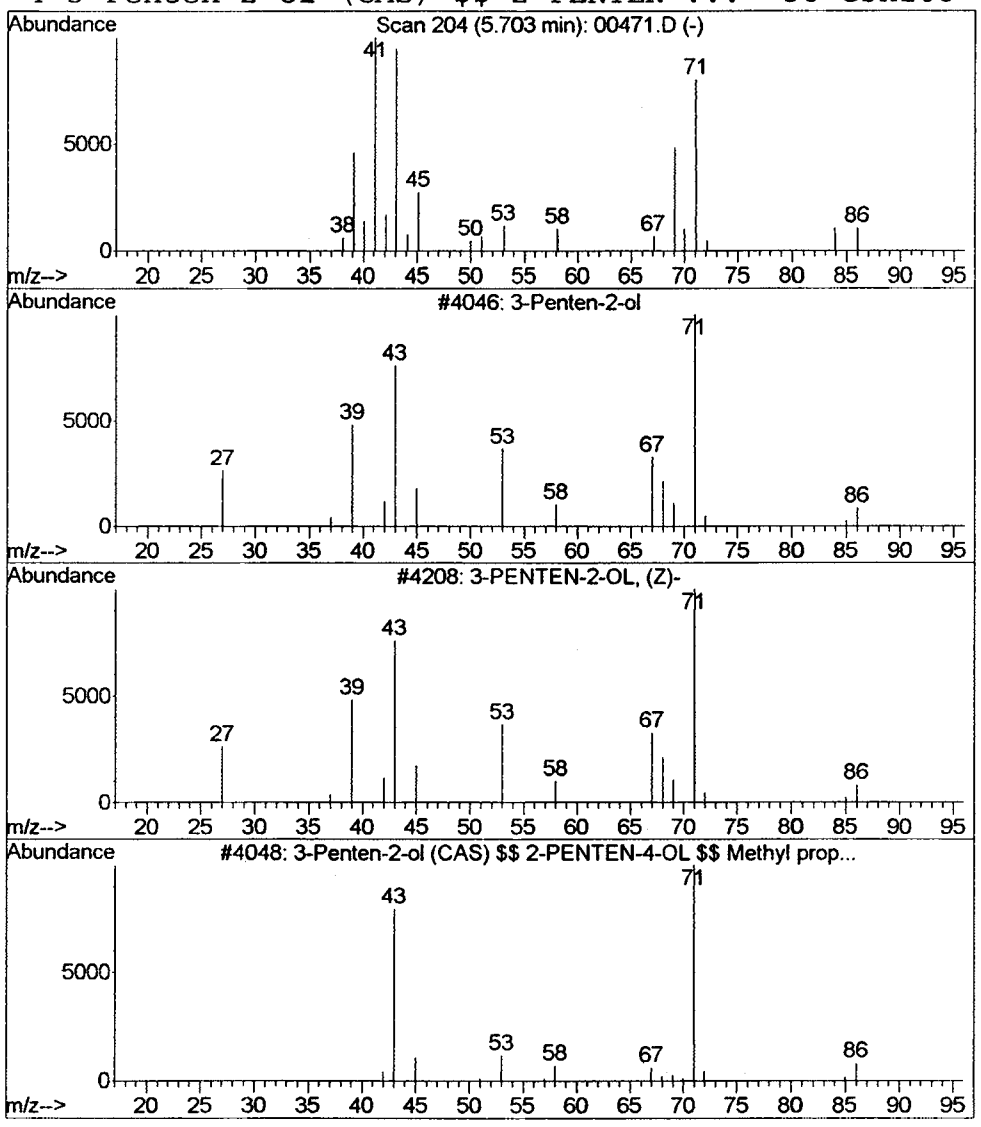
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

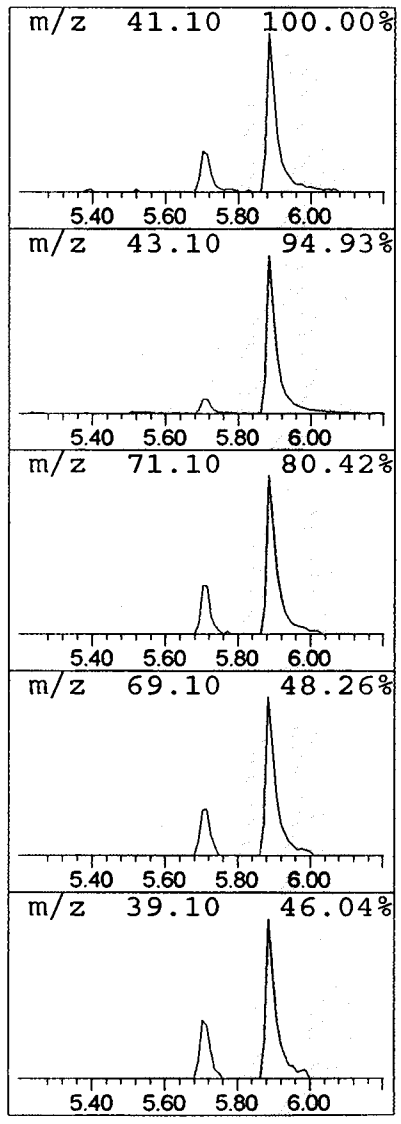
****

Peak Number 4 3-Penten-2-ol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.70	0.35 ug/L	115149	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-ol	86	C5H10O	001569-50-2	59
2	3-PENTEN-2-OL, (Z)-	86	C5H10O	024652-50-4	59
3	3-Penten-2-ol (CAS) $$ 2-PENTEN-...	86	C5H10O	001569-50-2	49
4	3-Penten-2-ol (CAS) $$ 2-PENTEN-...	86	C5H10O	001569-50-2	49





Library Search Compound Report

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Acq On : 10 Jan 2002 6:57 pm Operator:
Sample : 508 scan ext 1/8 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

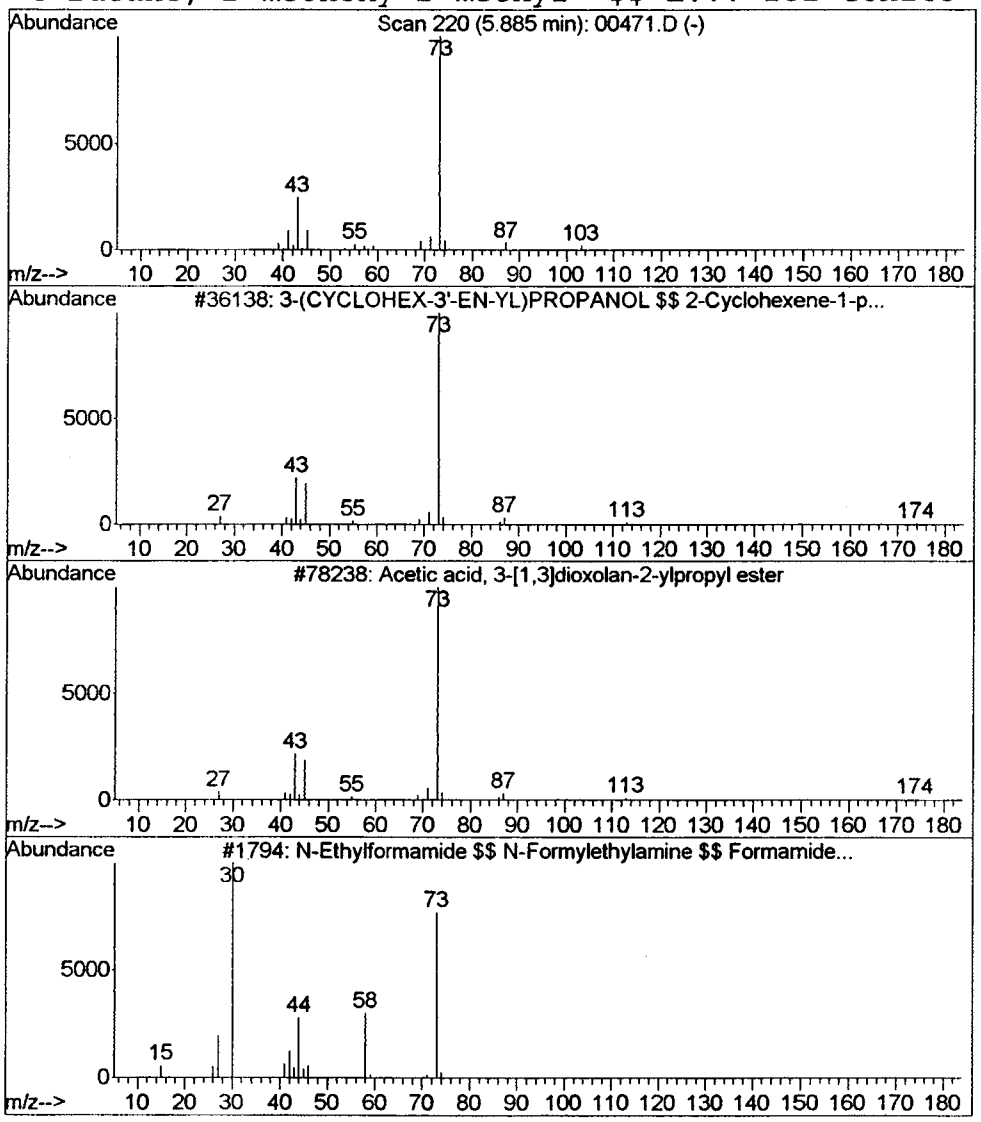
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

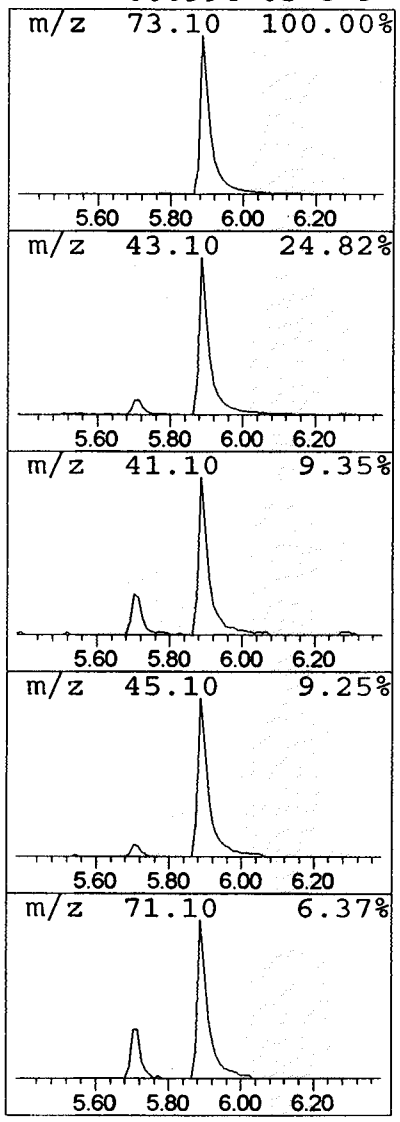
****

Peak Number 5 3-(CYCLOHEX-3'-EN-YL)PROPAN... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	5.24 ug/L	1717170	1,4-Dichlorobenzene-d4	9.71

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	Butane, 2-methoxy-2-methyl- $$ E...	102	C6H14O	000994-05-8	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN10\00471.D Vial: 6
Acq On : 10 Jan 2002 6:57 pm Operator:
Sample : 508 scan ext 1/8 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

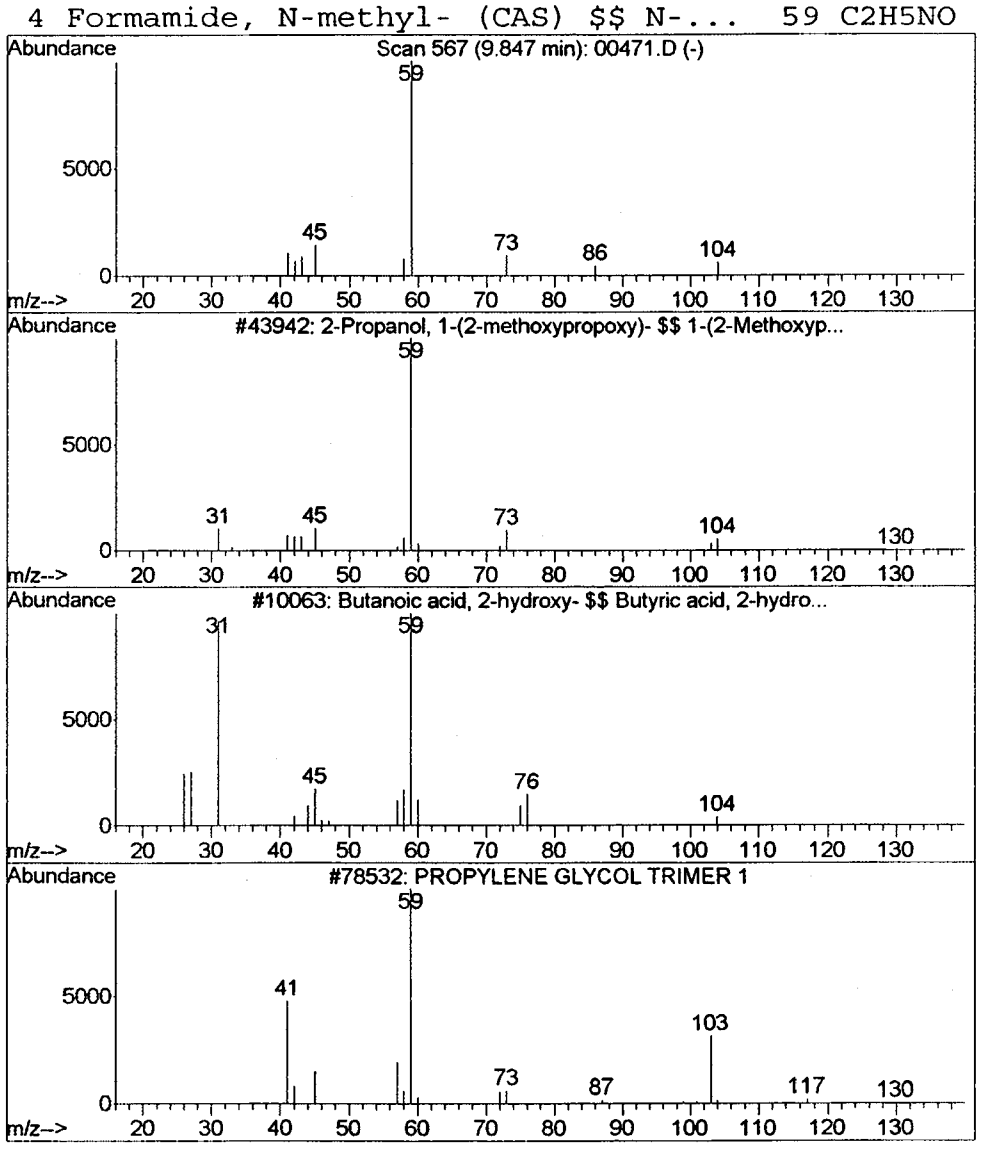
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

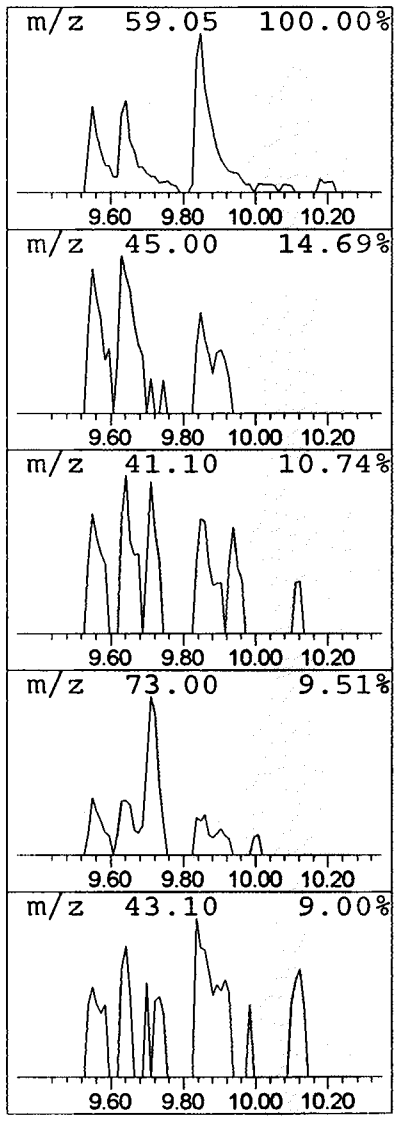
****

Peak Number 6 2-Propanol, 1-(2-methoxypro... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	0.19 ug/L	62305	1,4-Dichlorobenzene-d4	9.71

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- $$ But...	104	C4H8O3	000565-70-8	9
3	PROPYLENE GLYCOL TRIMER 1	174	C9H18O3	000000-00-0	9
4	Formamide, N-methyl- (CAS) $$ N-...	59	C2H5NO	000123-39-7	4





Library Search Compound Report

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Acq On : 10 Jan 2002 6:57 pm Operator:
Sample : 508 scan ext 1/8 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

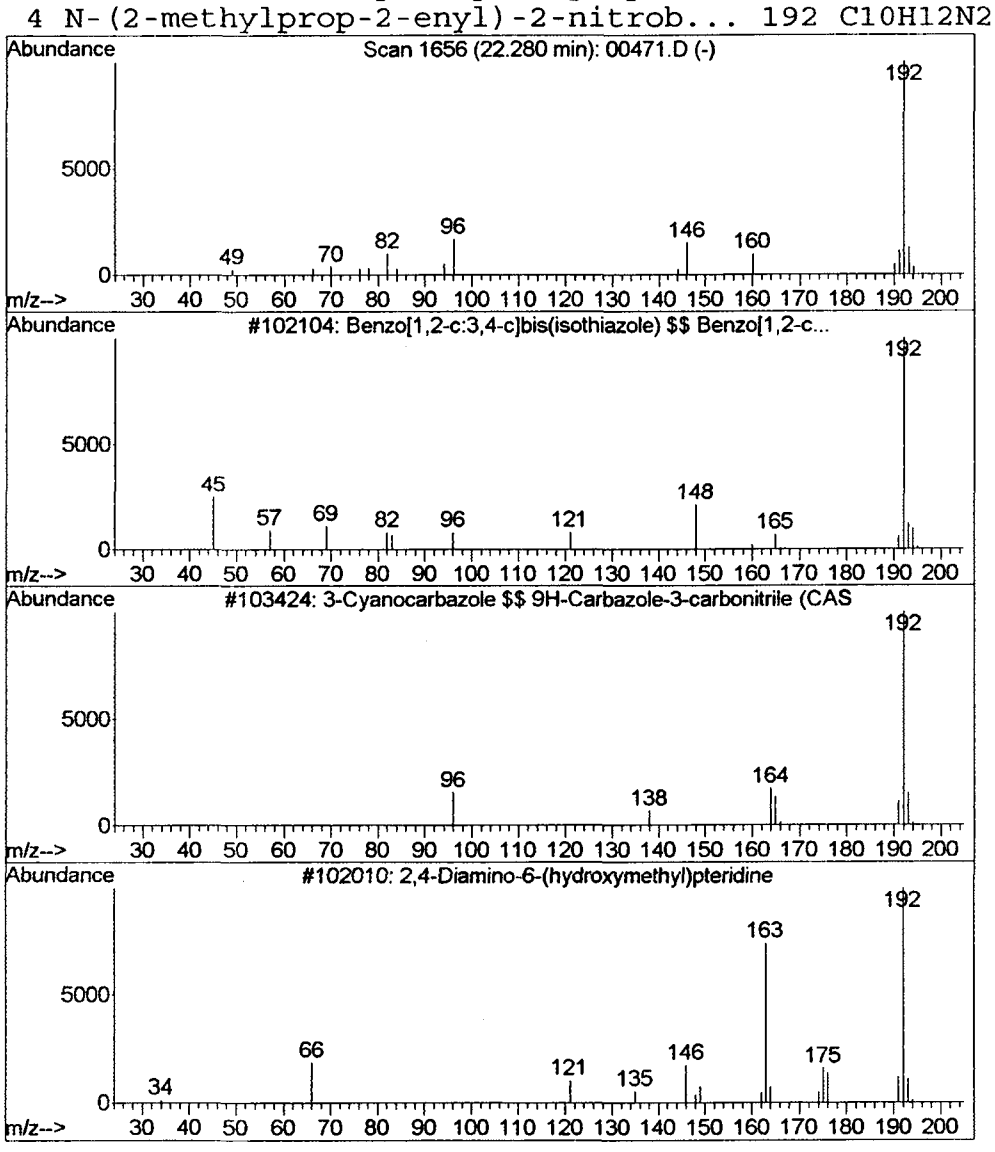
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

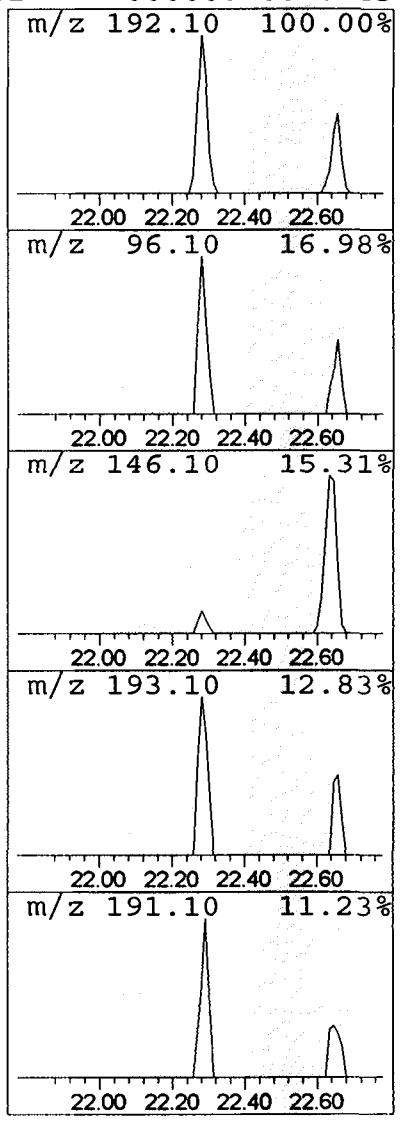
****

Peak Number 7 Benzo[1,2-c:3,4-c]bis(isoth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.14 ug/L	72698	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[1,2-c:3,4-c]bis(isothiazol...	192	C8H4N2S2	074960-05-7	64
2	3-Cyanocarbazole $$ 9H-Carbazole...	192	C13H8N2	057102-93-9	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	43





Library Search Compound Report

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Acq On : 10 Jan 2002 6:57 pm Operator:
Sample : 508 scan ext 1/8 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

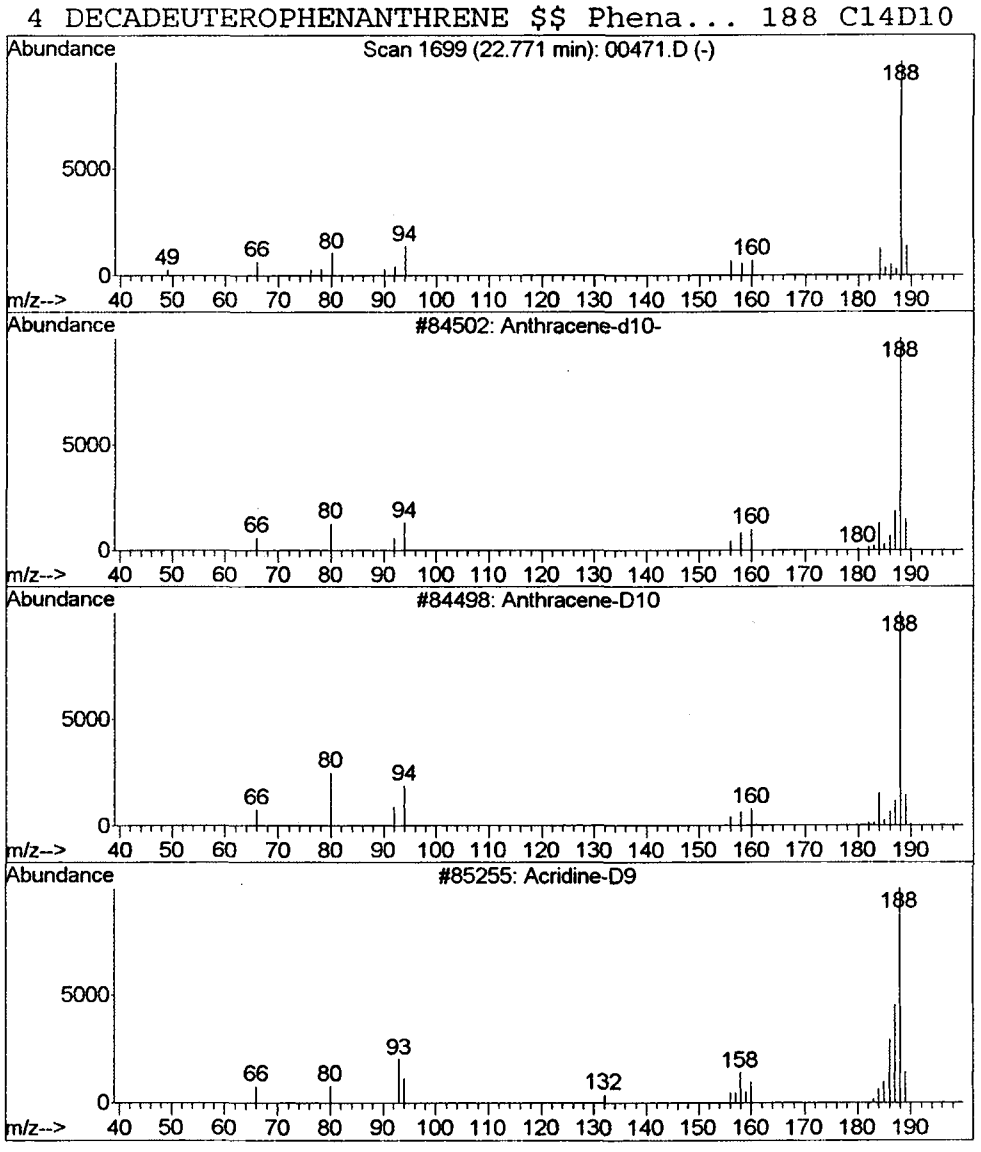
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

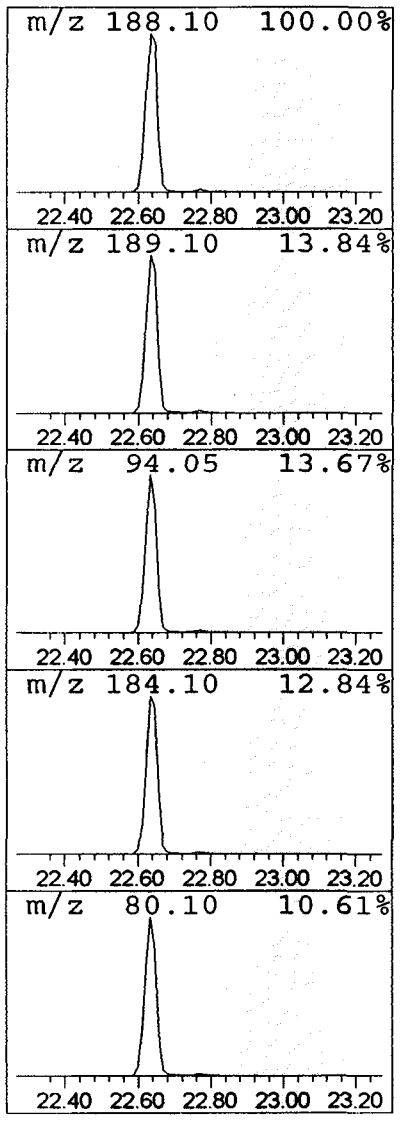
****

Peak Number 8 Anthracene-d10- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.28 ug/L	152277	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	91
2	Anthracene-D10	188	C14D10	000000-00-0	87
3	Acridine-D9	188	C13D9N	000000-00-0	80
4	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	80





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MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
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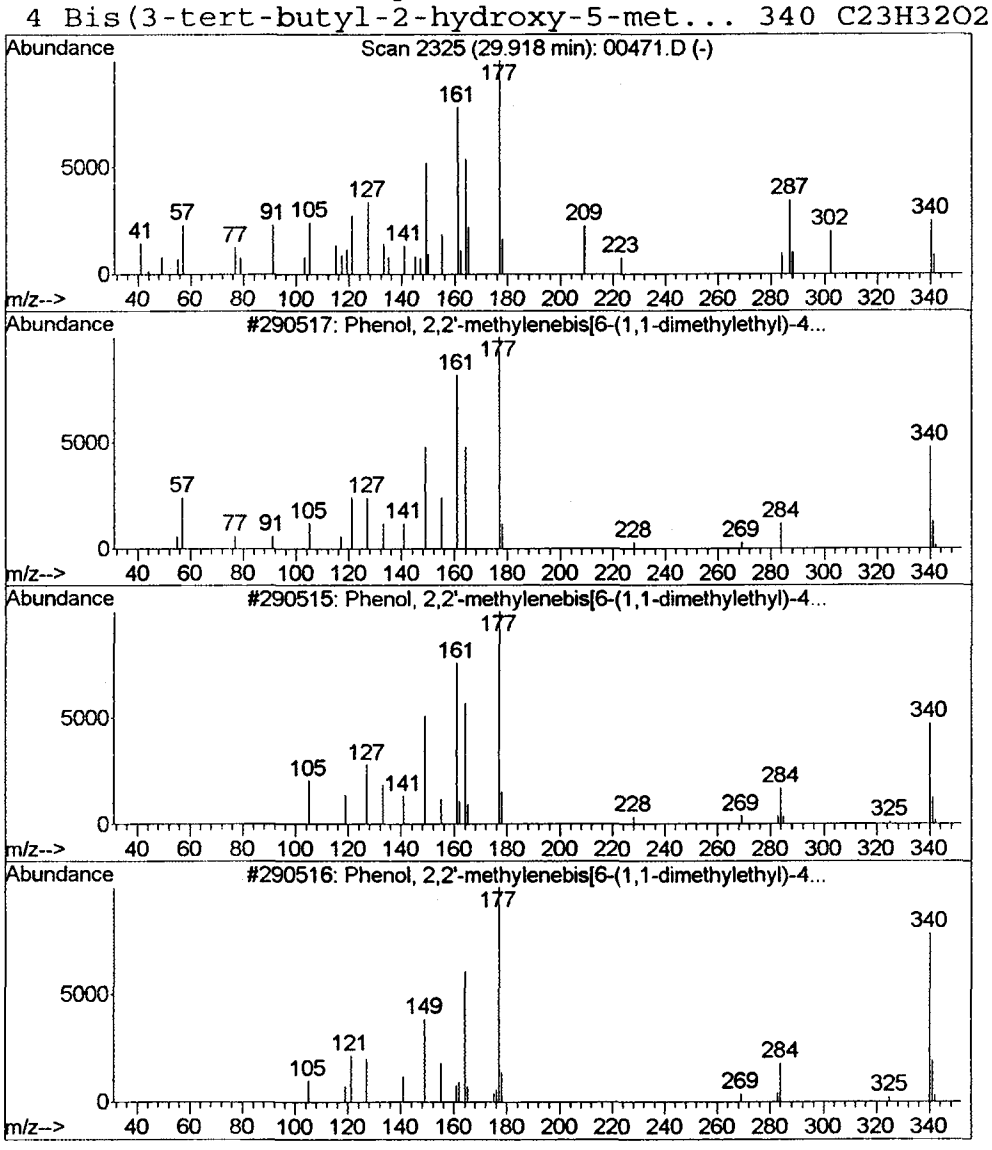
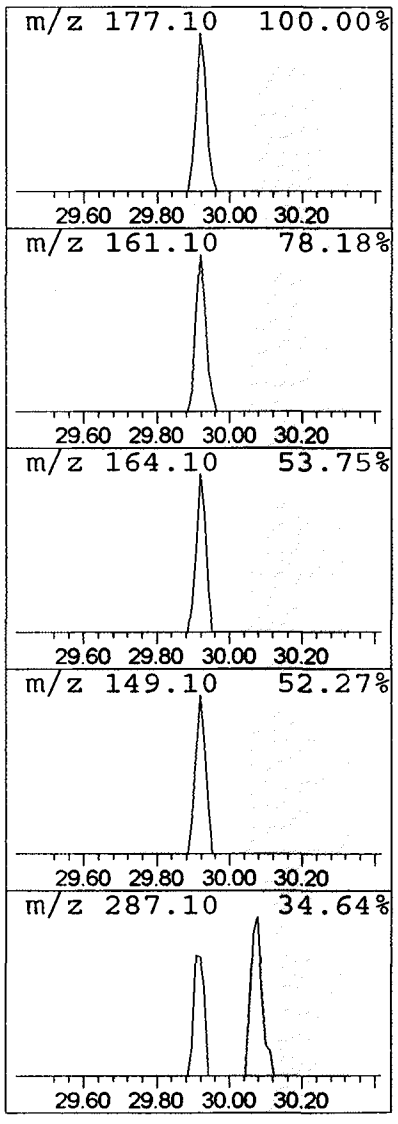
****

Peak Number 9 Phenol, 2,2'-methylenebis[6... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.92	0.19 ug/L	102192	Chrysene-d12	30.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,2'-methylenebis[6-(1,1...	340	C23H32O2	000119-47-1	98
2	Phenol, 2,2'-methylenebis[6-(1,1...	340	C23H32O2	000119-47-1	96
3	Phenol, 2,2'-methylenebis[6-(1,1...	340	C23H32O2	000119-47-1	91
4	Bis(3-tert-butyl-2-hydroxy-5-met...	340	C23H32O2	000000-00-0	74





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN10\00471.D Vial: 6
Acq On : 10 Jan 2002 6:57 pm Operator:
Sample : 508 scan ext 1/8 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

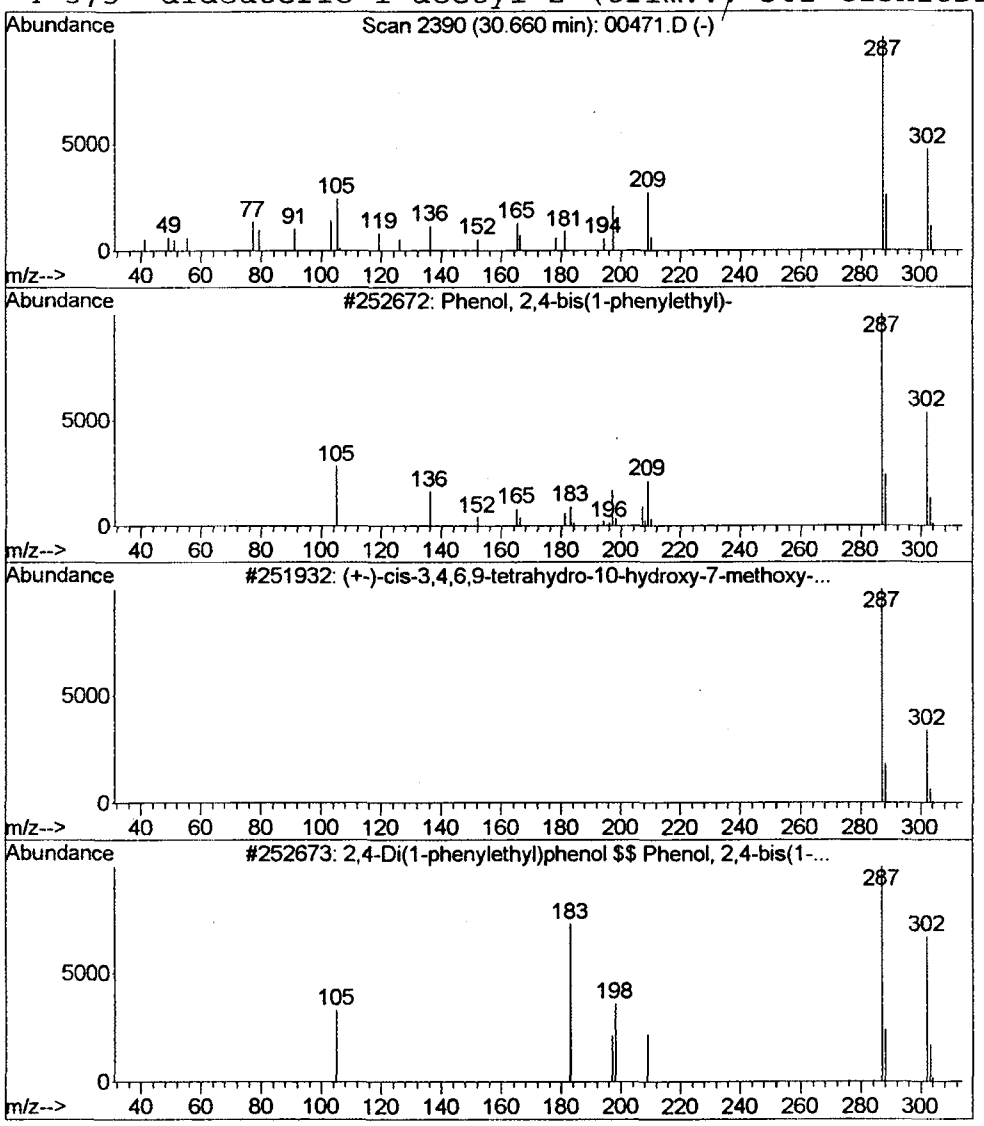
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

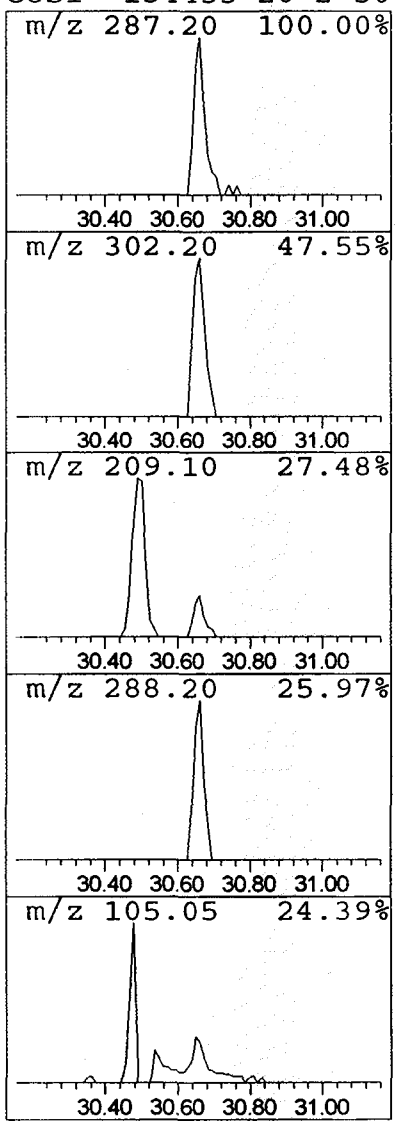
****

Peak Number 10 Phenol, 2,4-bis(1-phenyleth... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
30.66	0.27 ug/L	143641	Chrysene-d12	30.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,4-bis(1-phenylethyl)-	302	C22H22O	002769-94-0	94
2	(+-)-cis-3,4,6,9-tetrahydro-10-h...	302	C17H18O5	124821-09-6	83
3	2,4-Di(1-phenylethyl)phenol $$ P...	302	C22H22O	002769-94-0	64
4	3,3'-dideuterio-1-acetyl-2-(trim...	302	C15H18D2FeOSi	134455-20-2	50





Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 10 Jan 2002 6:57 pm
Data File: C:\MSDCHEM\1\5973N\02JAN10\00471.D
Name: 508 scan ext 1/8
Misc: January 10, 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, 2-...	4.63	0.2	ug/L	52684	1	9.71	6550950	20.0
Furan, 2,3-dihydr...	4.85	0.2	ug/L	57269	1	9.71	6550950	20.0
Butenol, methyl-	5.01	0.5	ug/L	164603	1	9.71	6550950	20.0
3-Penten-2-ol	5.70	0.4	ug/L	115149	1	9.71	6550950	20.0
3-(CYCLOHEX-3'-EN...	5.89	5.2	ug/L	1717170	1	9.71	6550950	20.0
2-Propanol, 1-(2-...	9.85	0.2	ug/L	62305	1	9.71	6550950	20.0
Benzo[1,2-c:3,4-c...	22.28	0.1	ug/L	72698	4	22.63	10697500	20.0
Anthracene-d10	22.77	0.3	ug/L	152277	4	22.63	10697500	20.0
Phenol, 2,2'-meth...	29.92	0.2	ug/L	102192	5	30.49	10645700	20.0
Phenol, 2,4-bis(1...	30.66	0.3	ug/L	143641	5	30.49	10645700	20.0