User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/10/2002 Time: 16:49:28

Sample: AE00316
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/10/02 16:49 Ended: 1/10/02 16:49 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		113		5.0

Comments for Sample AE00316 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-10-2002 Time: 16:50:16

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.

Data File : C:\MSDCHEM\1\5973N\02JAN10\00316.D Vial: 3
Acq On : 10 Jan 2002 10:07 am Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 10 11:46:27 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	9.72	152	1085080	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	4599799	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	2359966	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.63	188	3796395	20.00	ug/L	-0.03
38) Chrysene-d12	30.49	240	3216573	20.00	ug/L	-0.02
44) Perylene-d12	34.40	264	2228404	20.00	ug/L	-0.01
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	338043	5.63	ug/L	0.00
Spiked Amount 5.000			Recovery =	112.60%		
Target Compounds						Qvalue
2) n-Nitroso-dimethylamine	3.60	74	10507	0.23	ug/L #	13
3) bis (2-Chloroethyl) ether	9.05	93	32622	0.06	ug/L #	12
4) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
5) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
6) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
7) 2,2'-oxybis (1-Chloropropa	0.00	45	0	N.D.		
8) n-Nitroso-di-n-propylamine	0.00	70	0	N.D.		
9) Hexachloroethane	0.00	117	0	N.D.		
11) Nitrobenzene	0.00	77	0	N.D.		
12) Isophorone	12.07	82	9416	0.06	ug/L	94
13) bis(2-Chloroethoxy)methane	0.00	93	0	N.D.		
14) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
15) Naphthalene	13.25	128	11358	0.05	ug/L	92
16) Hexachlorobutadiene	0.00	225	0	N.D.		
18) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
19) 2-Chloronaphthalene	0.00	162	0	N.D.		
20) Dimethylphthalate	17.88	163	25311	0.16	ug/L	87
21) 2,6-Dinitrotoluene	18.34	165	302588	9.95	ug/L #	17
22) Acenaphthylene	17.86	152	5078	0.03	ug/L #	82
23) Acenaphthene	0.00	153	0	N.D.		
24) 2,4-Dinitrotoluene	0.00	165	0	N.D.		
25) Diethylphthalate	20.00	149	34803	0.23	ug/L	94
26) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
27) Fluorene	19.91	166	5516	0.04	ug/L #	90
28) Azobenzene/1,2-Diphenylhyd	20.46	77	8937	0.05	ug/L #	84
30) N-nitrosodiphenylamine	20.43	169	8459	0.09	ug/L	98
31) 4-Bromophenyl-phenylether	0.00	248	0	N.D.		
32) Hexachlorobenzene	0.00	284	0	N.D.		
33) Phenanthrene	22.69	178	28932	0.14	ug/L	99
34) Anthracene	22.82	178	28786	0.14	ug/L	99

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

Data File : C:\MSDCHEM\1\5973N\02JAN10\00316.D Vial: 3
Acq On : 10 Jan 2002 10:07 am Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 10 11:46:27 2002 Quant Results File: SCAN508.RES

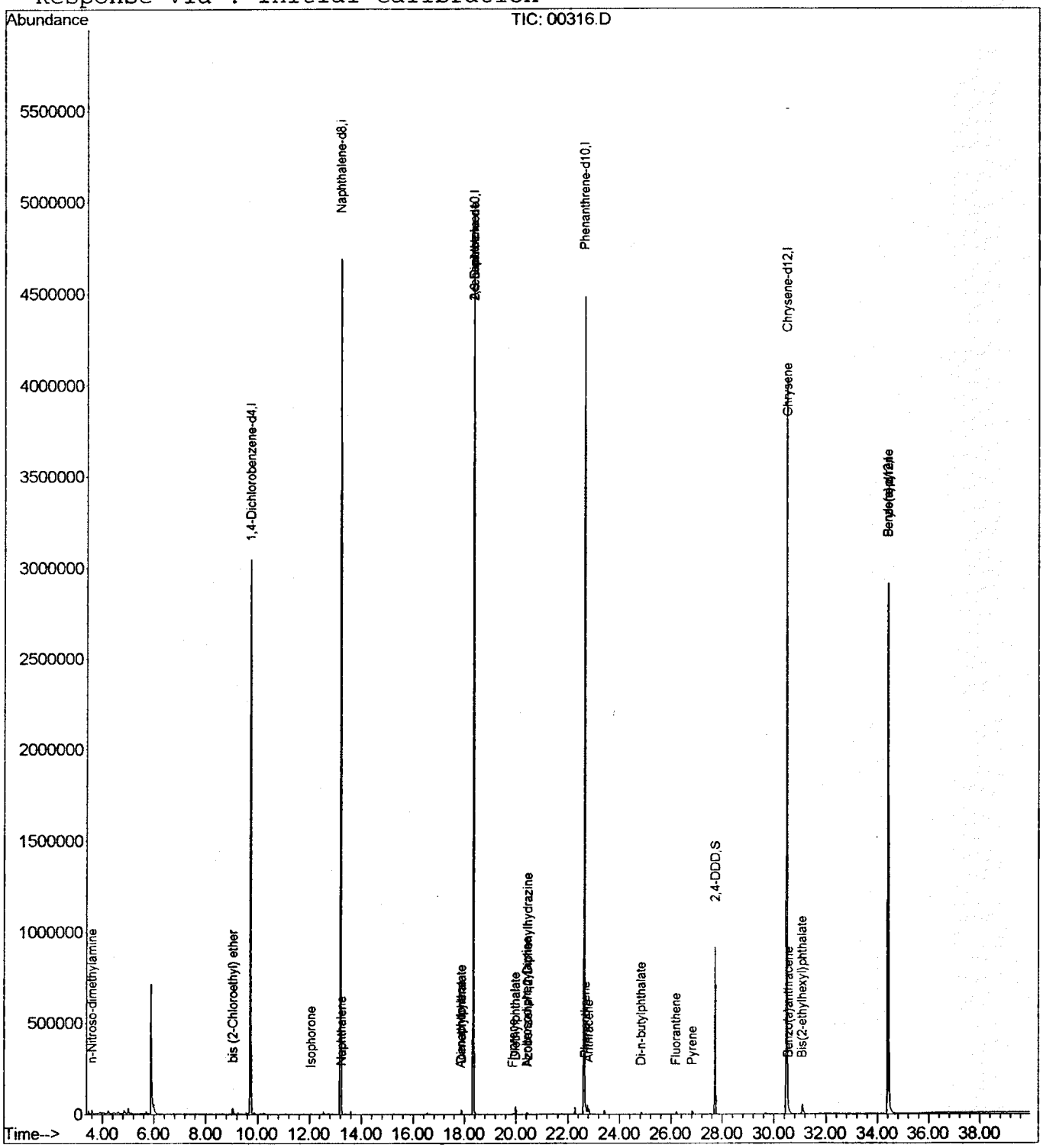
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Thu Jan 10 11:01:02 2002
Response via : Initial Calibration
DataAcq Meth : SCAN508

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
35)	Di-n-butylphthalate	24.85	149	18305	0.07	ug/L		94
36)	Fluoranthene	26.21	202	17872	0.09	ug/L		94
39)	Pyrene	26.84	202	18046	0.07	ug/L	#	83
40)	Butylbenzylphthalate	0.00	149	0	N.D.			
41)	Benzo(a)anthracene	30.56	228	7558	0.04	ug/L		98
42)	Bis(2-ethylhexyl)phthalate	31.11	149	54893	0.89	ug/L		95
43)	Chrysene	30.50	228	14066	0.07	ug/L	#	49
45)	Di-n-octylphthalate	0.00	149	0	N.D.			
46)	Benzo(b)fluoranthene	0.00	252	0	N.D.			
47)	Benzo(k)fluoranthene	0.00	252	0	N.D.			
48)	Benzo(a)pyrene	34.40	252	9137	0.06	ug/L	#	1
49)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.			
50)	Dibenz(a,h)anthracene	0.00	278	0	N.D.			
51)	Benzo(g,h,i)perylene	0.00	276	0	N.D.			

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

Data File : C:\MSDCHEM\1\5973N\02JAN10\00316.D Vial: 3
Acq On : 10 Jan 2002 10:07 am Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 10 11:46 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



Data File : C:\MSDCHEM\1\5973N\02JAN10\00316.D Vial: 3
Acq On : 10 Jan 2002 10:07 am Operator:
Sample : 508 scan ext 1/7 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

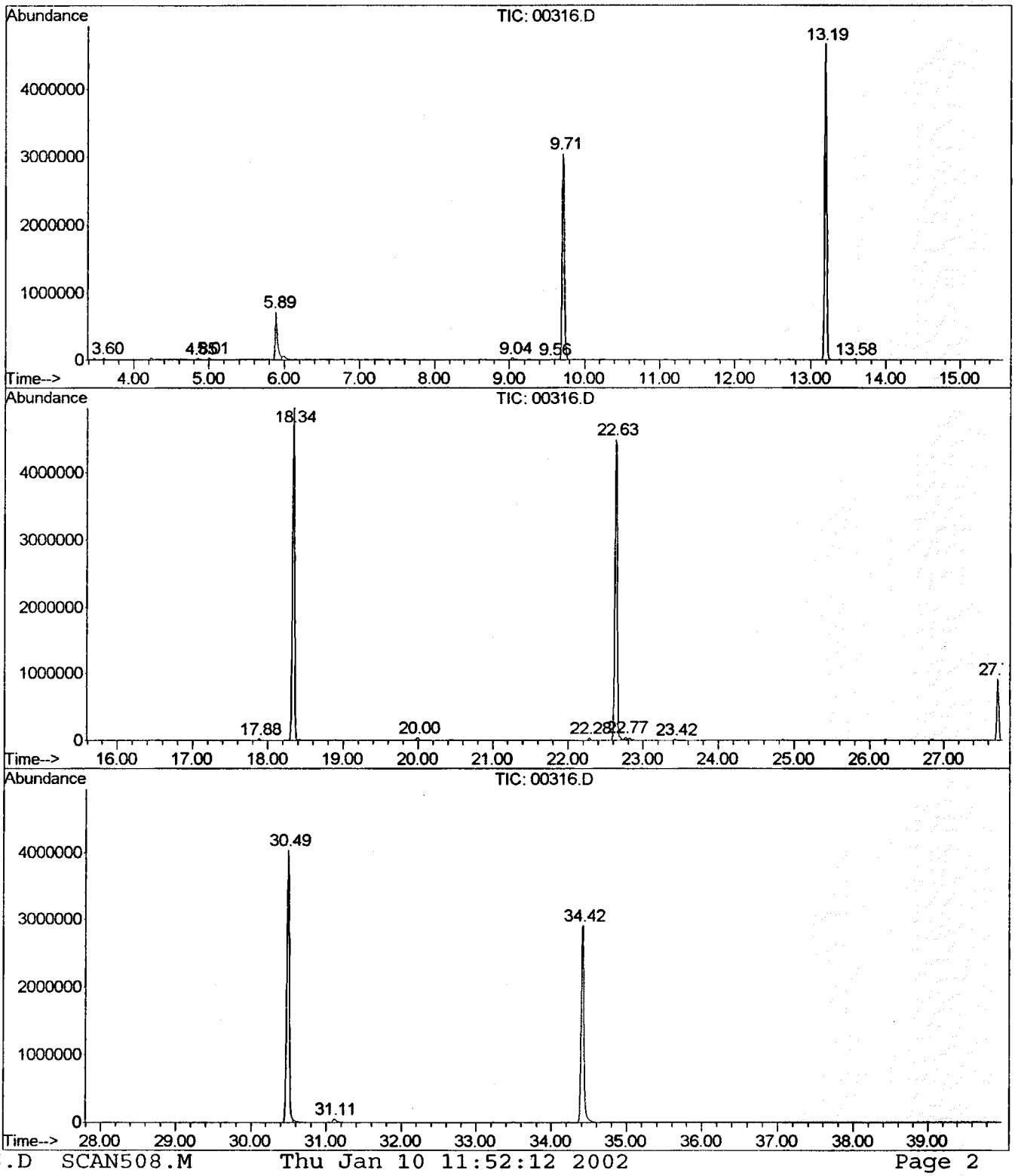
If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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	rBV	25971	42044	0.42%	0.076%
2	4.846	123	129	139	rBV3	18501	66357	0.66%	0.119%
3	5.006	139	143	149	rVB	30076	57471	0.57%	0.103%
4	5.885	217	220	227	rBV	713085	1441433	14.35%	2.594%
5	9.036	491	496	507	rBV3	33085	83812	0.83%	0.151%
6	9.562	539	542	551	rBV4	8893	43185	0.43%	0.078%
7	9.710	551	555	561	rVV	3047171	6171432	61.42%	11.106%
8	13.192	855	860	865	rBV	4687941	8853174	88.11%	15.931%
9	13.580	889	894	899	rVB	20397	40123	0.40%	0.072%
10	17.885	1267	1271	1279	rVB2	27110	50763	0.51%	0.091%
11	18.341	1305	1311	1315	rVV	4956539	9611641	95.66%	17.296%
12	19.997	1453	1456	1463	rVB	45843	90460	0.90%	0.163%
13	22.280	1653	1656	1661	rVB2	37394	66884	0.67%	0.120%
14	22.634	1681	1687	1693	rBV2	4484519	10047660	100.00%	18.081%
15	22.771	1695	1699	1701	rVV	39138	62323	0.62%	0.112%
16	23.422	1753	1756	1761	rVV	19451	38419	0.38%	0.069%
17	27.726	2127	2133	2139	rVV	912912	1611707	16.04%	2.900%
18	30.489	2369	2375	2381	rBV2	4035498	9458370	94.14%	17.020%
19	31.105	2425	2429	2447	rVV	54335	190227	1.89%	0.342%
20	34.416	2713	2719	2737	rBV	2910294	7543210	75.07%	13.574%

Sum of corrected areas: 55570695

File : C:\MSDCHEM\1\5973N\02JAN10\00316.D
Operator :
Acquired : 10 Jan 2002 10:07 am using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508 scan ext 1/7
Misc Info : January 10, 2002
Vial Number: 3
Quant File :SCAN508.RES (RTE Integrator)



Data File : C:\MSDCHEM\1\5973N\02JAN10\00316.D Vial: 3
Acq On : 10 Jan 2002 10:07 am Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

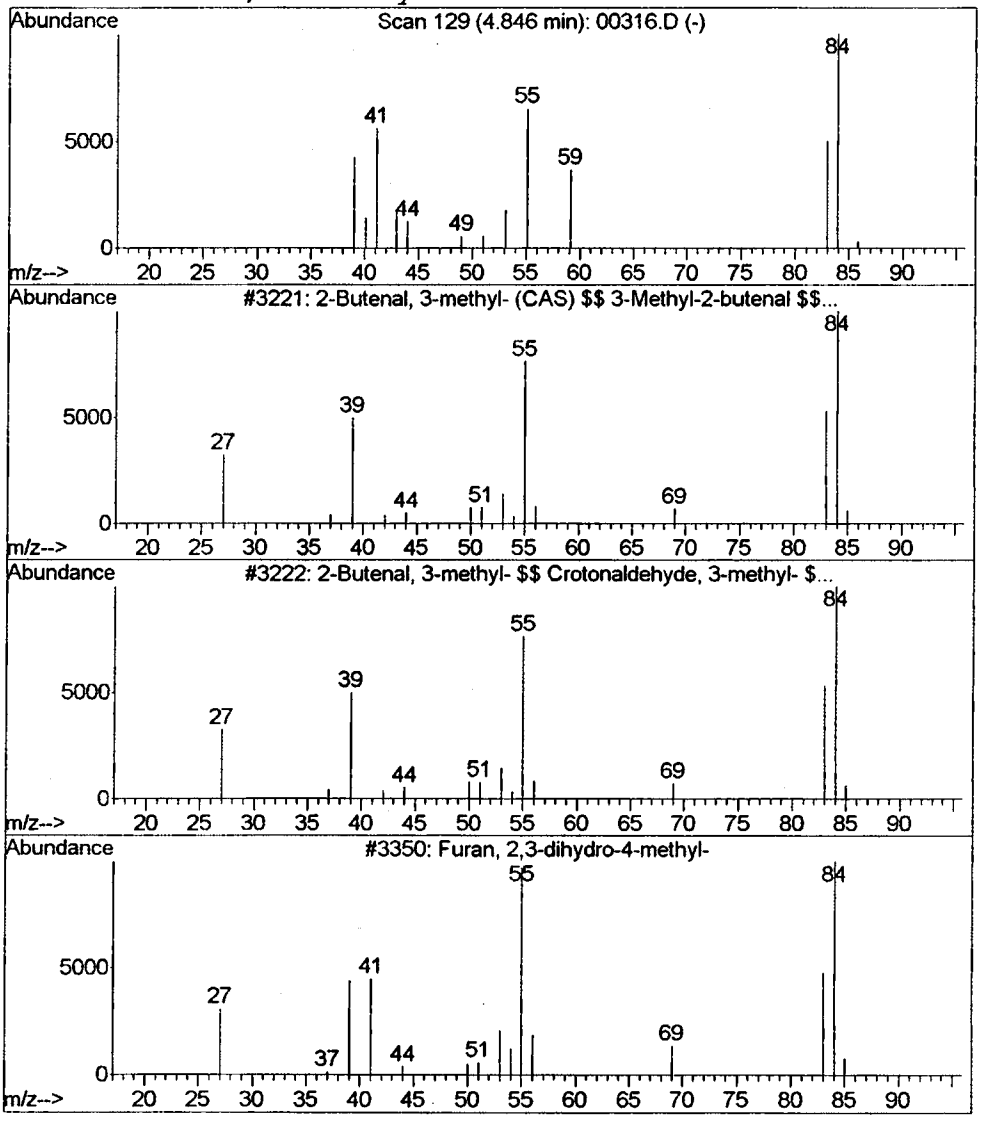
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

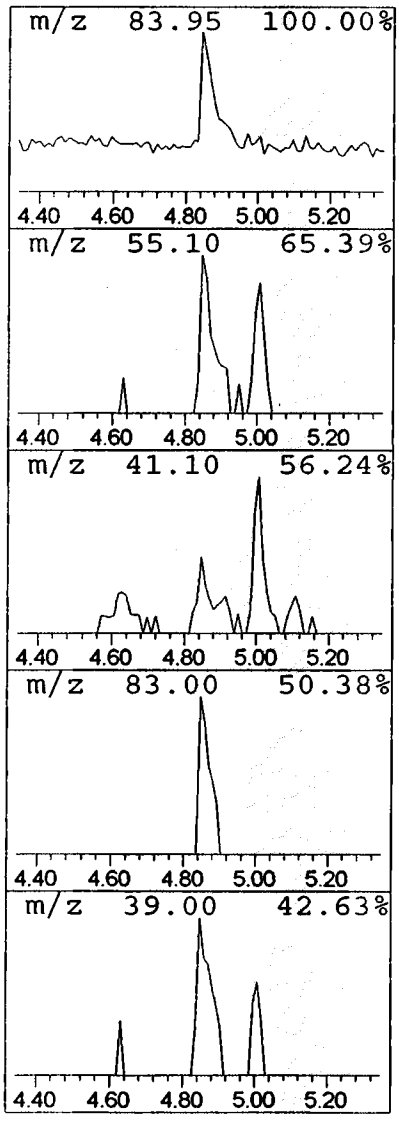
****

Peak Number 1 2-Butenal, 3-methyl- (CAS) ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	0.22 ug/L	66357	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal, 3-methyl- (CAS) $$ 3-...	84	C5H8O	000107-86-8	72
2	2-Butenal, 3-methyl- $$ Crotonal...	84	C5H8O	000107-86-8	72
3	Furan, 2,3-dihydro-4-methyl-	84	C5H8O	034314-83-5	59
4	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	59





Data File : C:\MSDCHEM\1\5973N\02JAN10\00316.D Vial: 3
Acq On : 10 Jan 2002 10:07 am Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

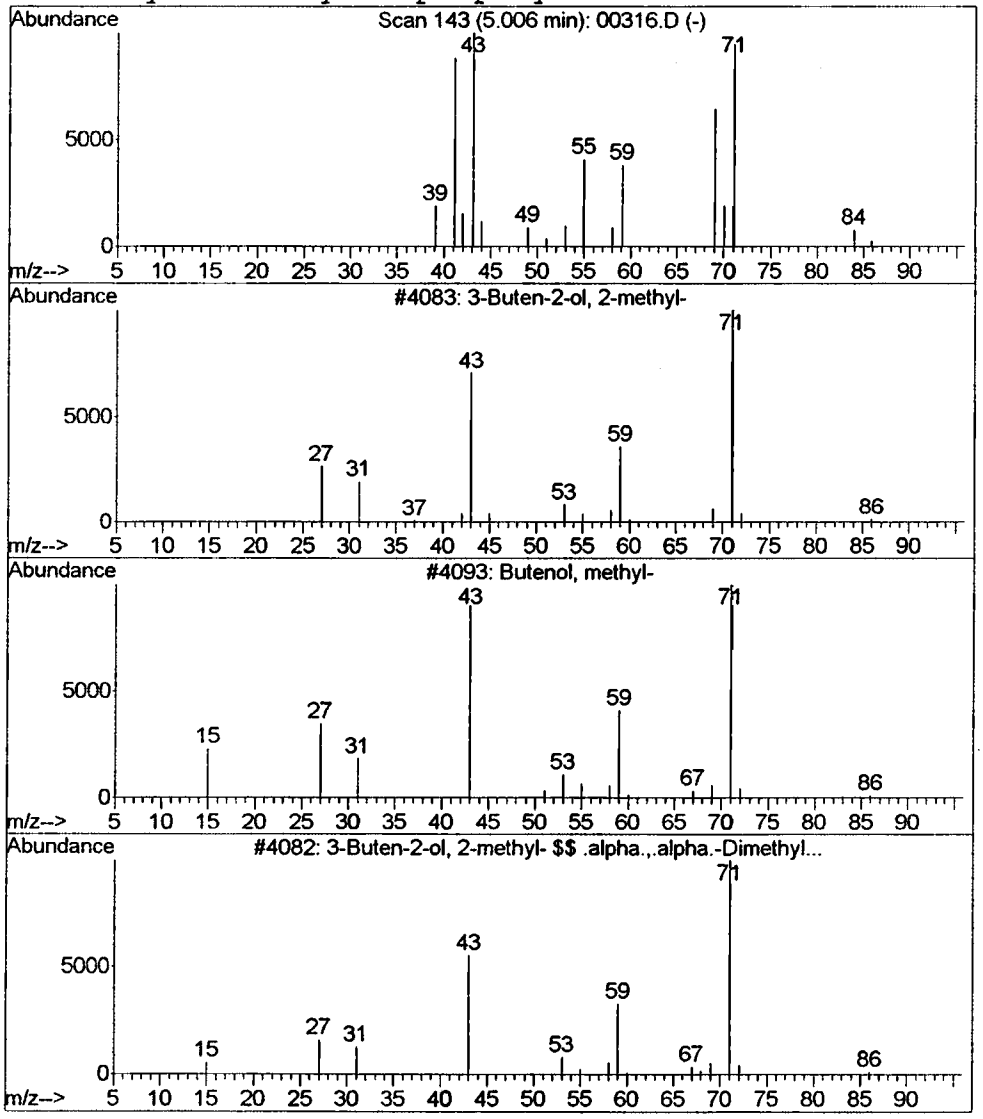
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

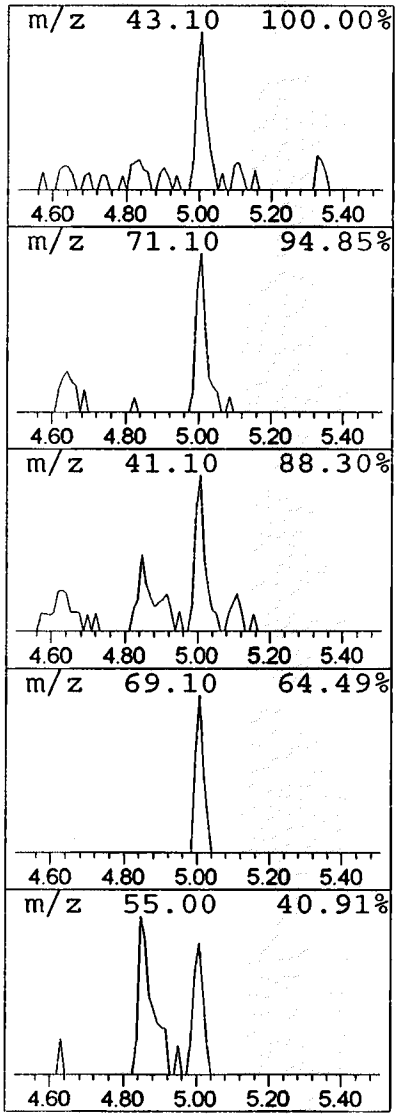
****

Peak Number 2 3-Buten-2-ol, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	0.19 ug/L	57471	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	59
2	Butenol, methyl-	86	C5H10O	060766-00-9	59
3	3-Buten-2-ol, 2-methyl- $$ .alph...	86	C5H10O	000115-18-4	45
4	Methyl 1-Methyl-2-propenyl Ether	86	C5H10O	000000-00-0	38





Data File : C:\MSDCHEM\1\5973N\02JAN10\00316.D Vial: 3
Acq On : 10 Jan 2002 10:07 am Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

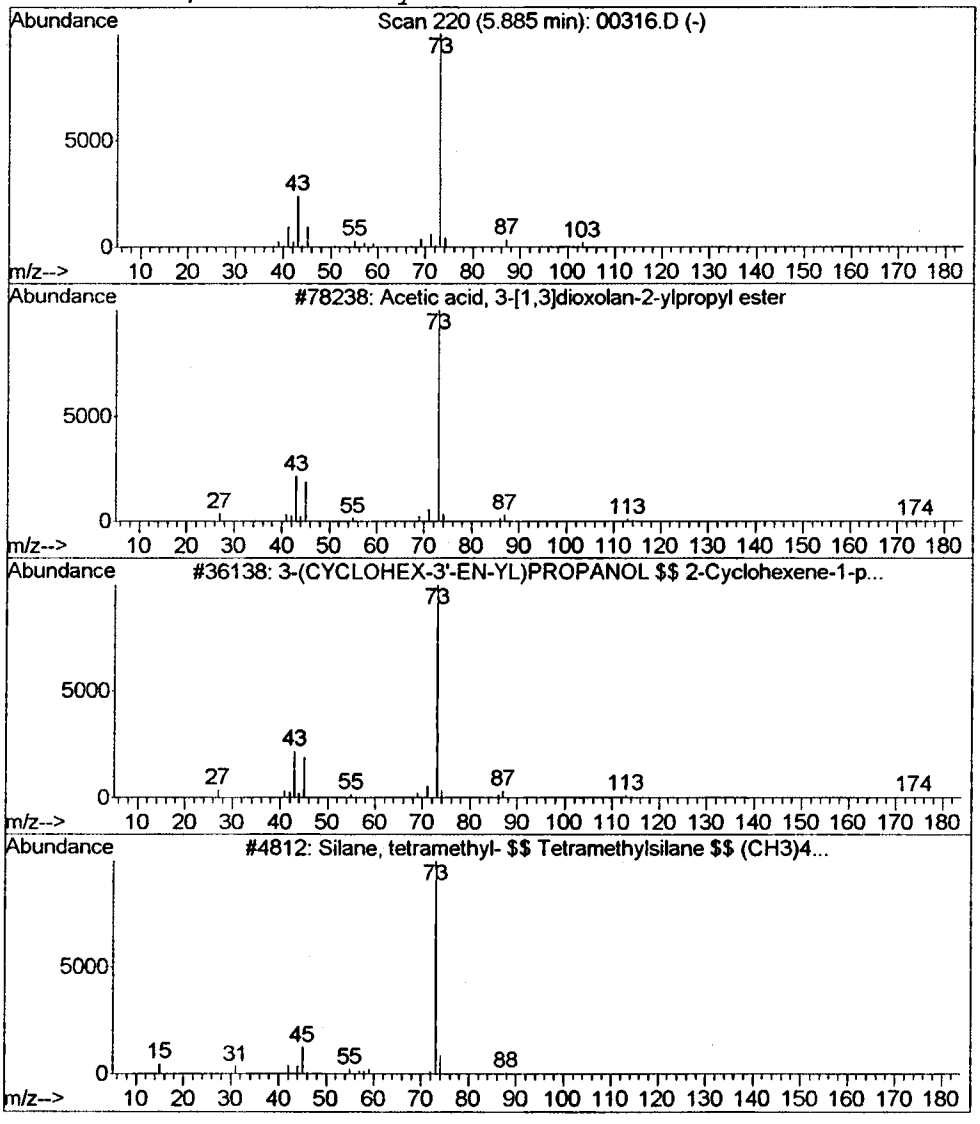
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

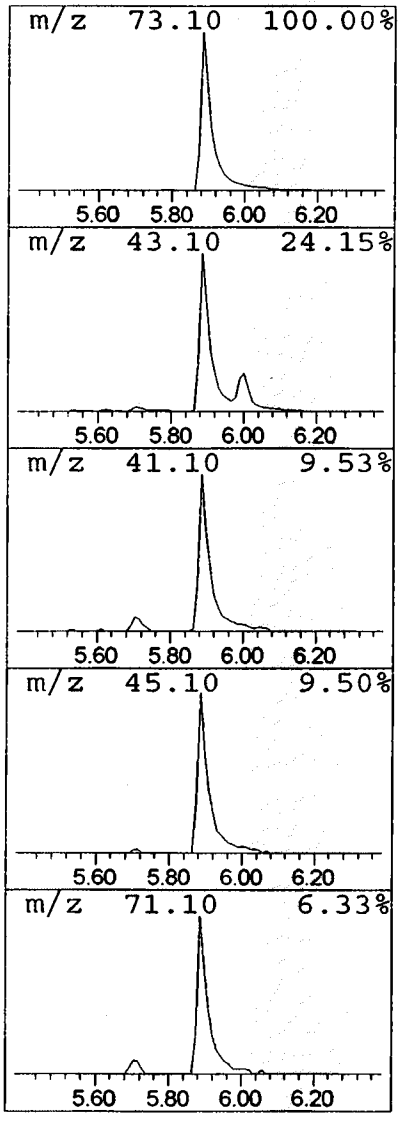
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	4.67 ug/L	1441430	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 $$...	174	C8H14O4	015745-87-6	33
3	Silane, tetramethyl- $$ Tetramet...	88	C4H12Si	000075-76-3	25
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	23





Data File : C:\MSDCHEM\1\5973N\02JAN10\00316.D Vial: 3
Acq On : 10 Jan 2002 10:07 am Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

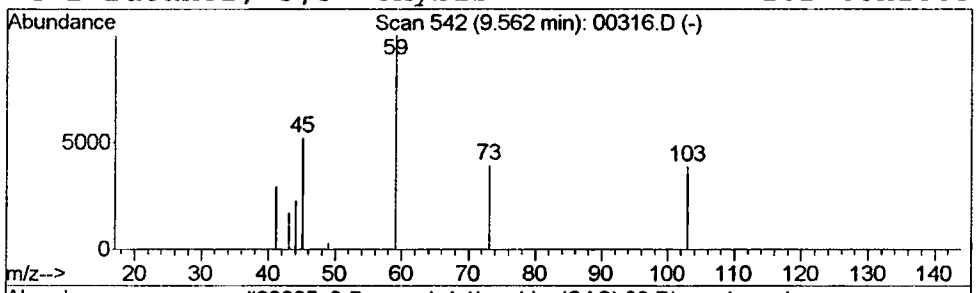
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

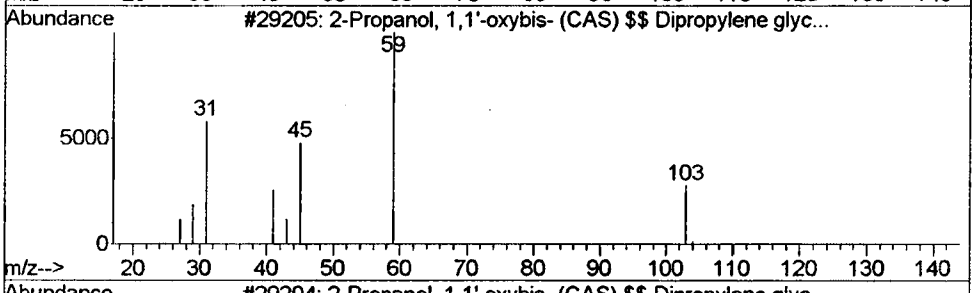
****

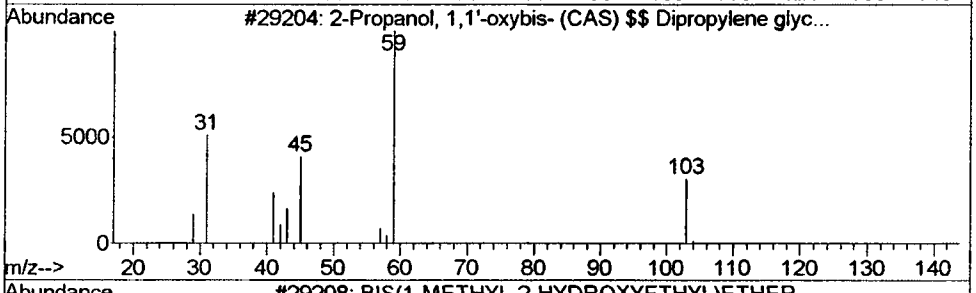
Peak Number 4 2-Propanol, 1,1'-oxybis- (C... Concentration Rank 4

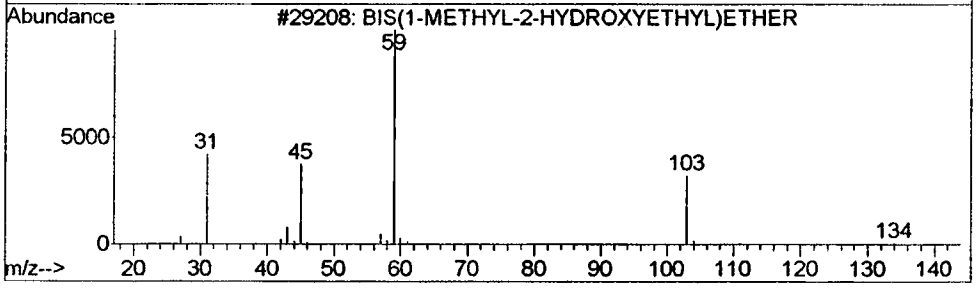
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	0.14 ug/L	43185	1,4-Dichlorobenzene-d4	9.72

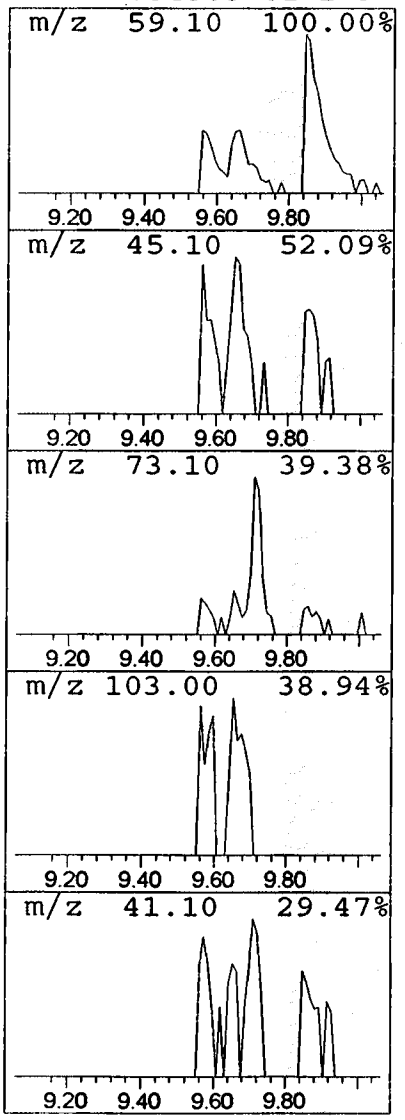
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1,1'-oxybis- (CAS) $...	134	C6H14O3	000110-98-5	40
2	2-Propanol, 1,1'-oxybis- (CAS) $...	134	C6H14O3	000110-98-5	40
3	BIS(1-METHYL-2-HYDROXYETHYL)ETHER	134	C6H14O3	000000-00-0	9
4	2-Butanol, 3,3'-oxybis-	162	C8H18O3	054305-61-2	9











Data File : C:\MSDCHEM\1\5973N\02JAN10\00316.D Vial: 3
Acq On : 10 Jan 2002 10:07 am Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

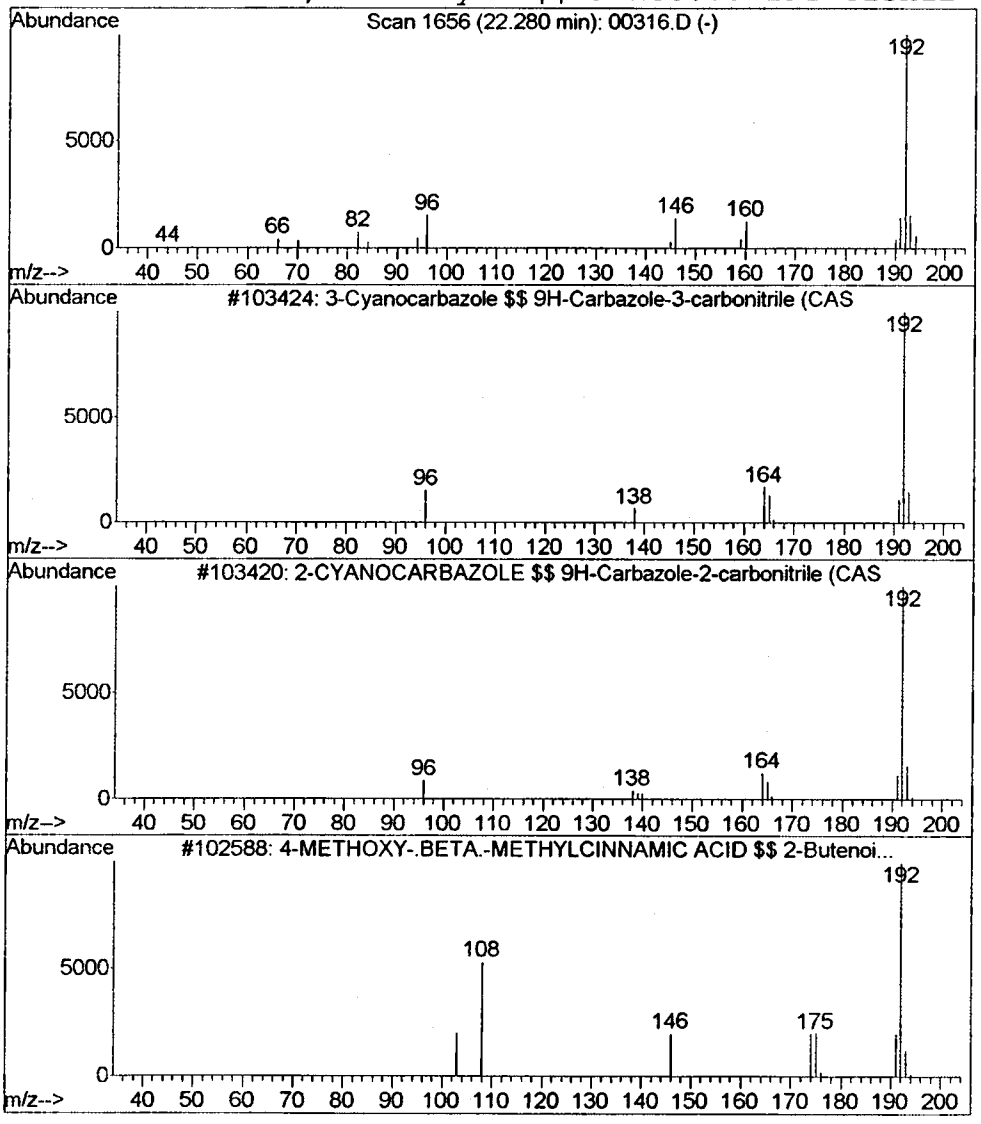
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

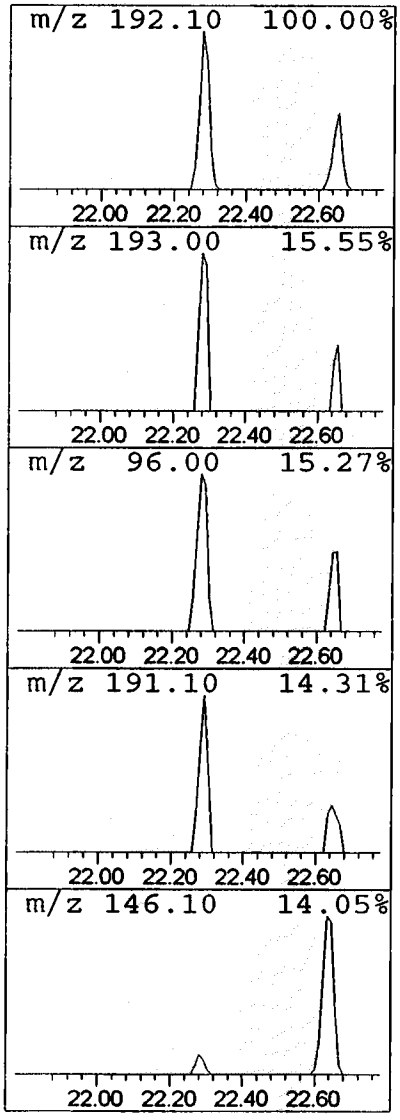
****

Peak Number 5 3-Cyanocarbazole $$ 9H-Carb... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.13 ug/L	66884	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Cyanocarbazole $$ 9H-Carbazole...	192	C13H8N2	057102-93-9	64
2	2-CYANOCARBAZOLE $$ 9H-Carbazole...	192	C13H8N2	057955-18-7	64
3	4-METHOXY-.BETA.-METHYLCINNAMIC ...	192	C11H12O3	019169-94-9	64
4	Phenanthrene, 9-methyl- $$ 9-Met...	192	C15H12	000883-20-5	59





Operator ID: Date Acquired: 10 Jan 2002 10:07 am
Data File: C:\MSDCHEM\1\5973N\02JAN10\00316.D
Name: 508 scan ext 1/7
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
2-Butenal, 3-meth...	4.85	0.2	ug/L	66357	1	9.72	6171430	20.0
3-Buten-2-ol, 2-m...	5.01	0.2	ug/L	57471	1	9.72	6171430	20.0
Acetic acid, 3-[1...	5.89	4.7	ug/L	1441430	1	9.72	6171430	20.0
2-Propanol, 1,1'-...	9.56	0.1	ug/L	43185	1	9.72	6171430	20.0
3-Cyanocarbazole ...	22.28	0.1	ug/L	66884	4	22.63	10047700	20.0

Comments for Sample AE00316 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-10-2002 Time: 17:24:35

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
The recoveries for 10 of the 43 compounds in the LCS Standard were above their acceptance ranges.