LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042020\
Data File : BG045103.D
Acq On : 20 Apr 2020 19:43
Operator : CG/JU
Sample : L2346-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S-4

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.118	3	5	12	rVB	43794	73030	2.27%	0.375%
2	3.200	15	19	28	rVB2	32540	50554	1.57%	0.259%
3	5.597	421	427	439	rBV	533436	925967	28.79%	4.749%
4	7.189	691	698	708	rBV	622467	1120377	34.83%	5.746%
5	8.023	831	840	847	rBV	217751	398729	12.40%	2.045%
6	8.346	886	895	904	rBV	513202	935530	29.09%	4.798%
7	9.180	1028	1037	1046	rBV	434935	805961	25.06%	4.134%
8	10.831	1309	1318	1331	rVB	322576	644940	20.05%	3.308%
9	12.429	1582	1590	1599	rBV	381273	618804	19.24%	3.174%
10	12.805	1646	1654	1663	rBV2	181342	304247	9.46%	1.560%
11	13.028	1675	1692	1698	rBV7	62104	263266	8.19%	1.350%
12	13.280	1727	1735	1745	rBV	1362442	2096218	65.17%	10.751%
13	13.498	1763	1772	1779	rBV4	79457	187614	5.83%	0.962%
14	13.803	1804	1824	1842	rVB8	67866	382159	11.88%	1.960%
15	14.103	1870	1875	1881	rBV	139677	224398	6.98%	1.151%
16	14.661	1963	1970	1980	rVB	565471	930906	28.94%	4.775%
17	15.530	2113	2118	2124	rBV	78897	114048	3.55%	0.585%
18	16.147	2216	2223	2236	rBV	1132004	1786121	55.53%	9.161%
19	17.404	2430	2437	2444	rBV	767613	1171135	36.41%	6.007%
20	20.012	2875	2881	2888	rBV	2491913	3216342	100.00%	16.496%
21	21.322	3099	3104	3112	rBV2	136628	231055	7.18%	1.185%
22	21.669	3156	3163	3170	rBV2	722094	1194909	37.15%	6.129%
23	21.875	3195	3198	3203	rVB4	41687	63633	1.98%	0.326%
24	22.486	3298	3302	3310	rBV4	71030	132339	4.11%	0.679%
25	23.179	3415	3420	3426	rVB2	81804	157305	4.89%	0.807%
26	23.978	3551	3556	3566	rVB5	82145	182306	5.67%	0.935%
27	24.865	3697	3707	3715	rBV3	399387	1174010	36.50%	6.021%
28	26.051	3907	3909	3919	rVB4	51296	111542	3.47%	0.572%

Sum of corrected areas: 19497445

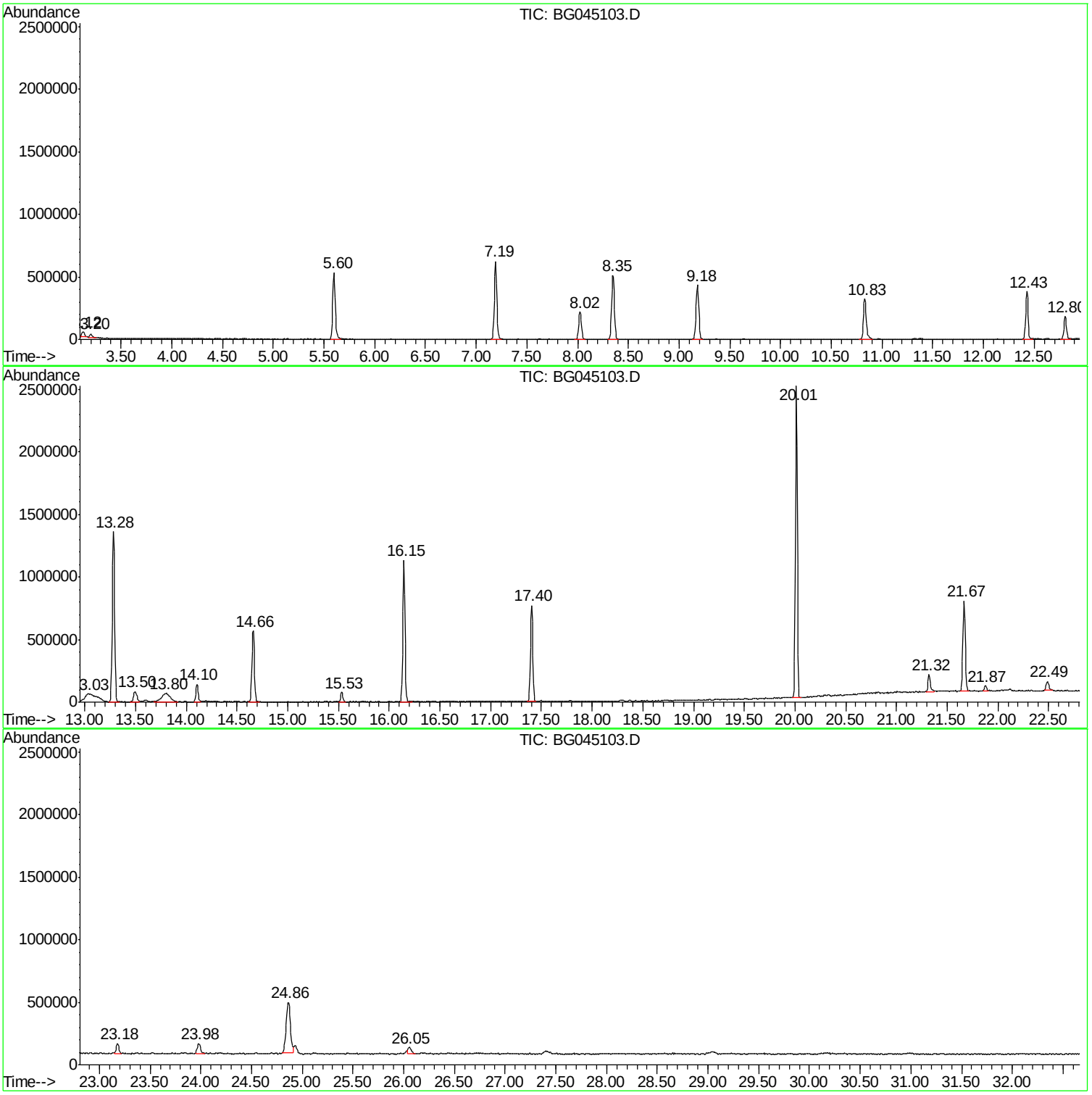
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042020\
Data File : BG045103.D
Acq On : 20 Apr 2020 19:43
Operator : CG/JU
Sample : L2346-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042020\
Data File : BG045103.D
Acq On : 20 Apr 2020 19:43
Operator : CG/JU
Sample : L2346-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

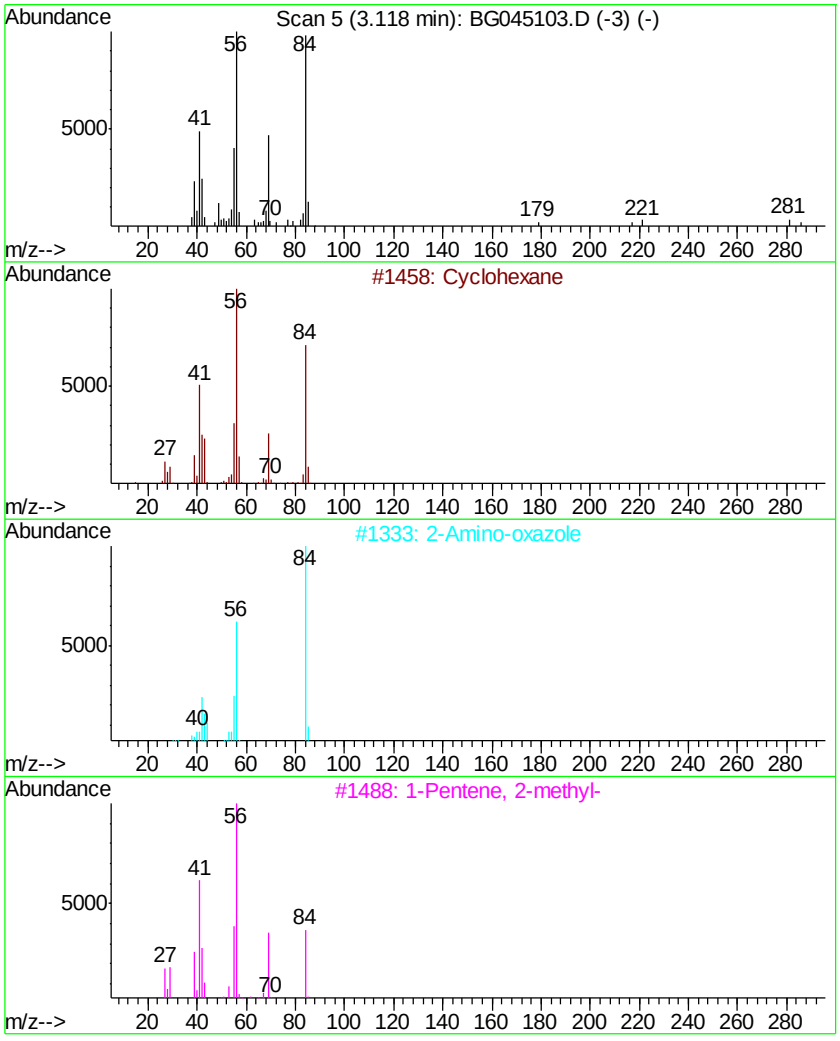
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

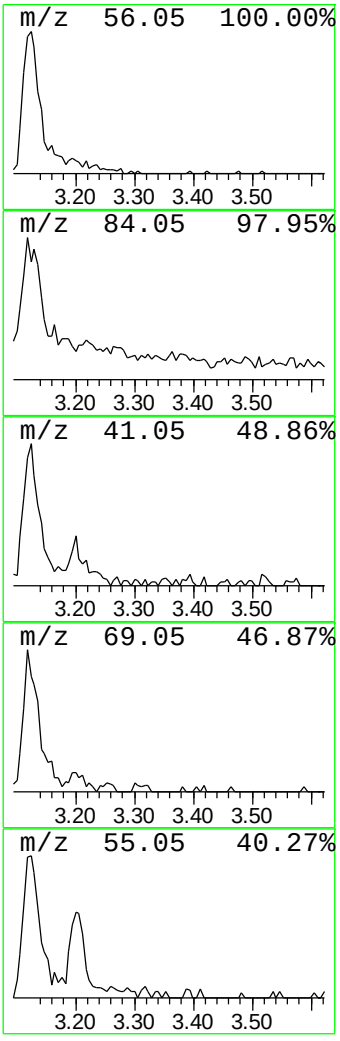
****

Peak Number 1 Cyclohexane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.12	3.66 ng	73030	1,4-Dichlorobenzene-d4	8.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane	84	C6H12	000110-82-7	90
2	2-Amino-oxazole	84	C3H4N2O	004570-45-0	83
3	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	72
4	2-Piperidinemethanol	115	C6H13NO	003433-37-2	50
5	2-Acetylpiperidine	127	C7H13NO	097073-22-8	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042020\
Data File : BG045103.D
Acq On : 20 Apr 2020 19:43
Operator : CG/JU
Sample : L2346-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

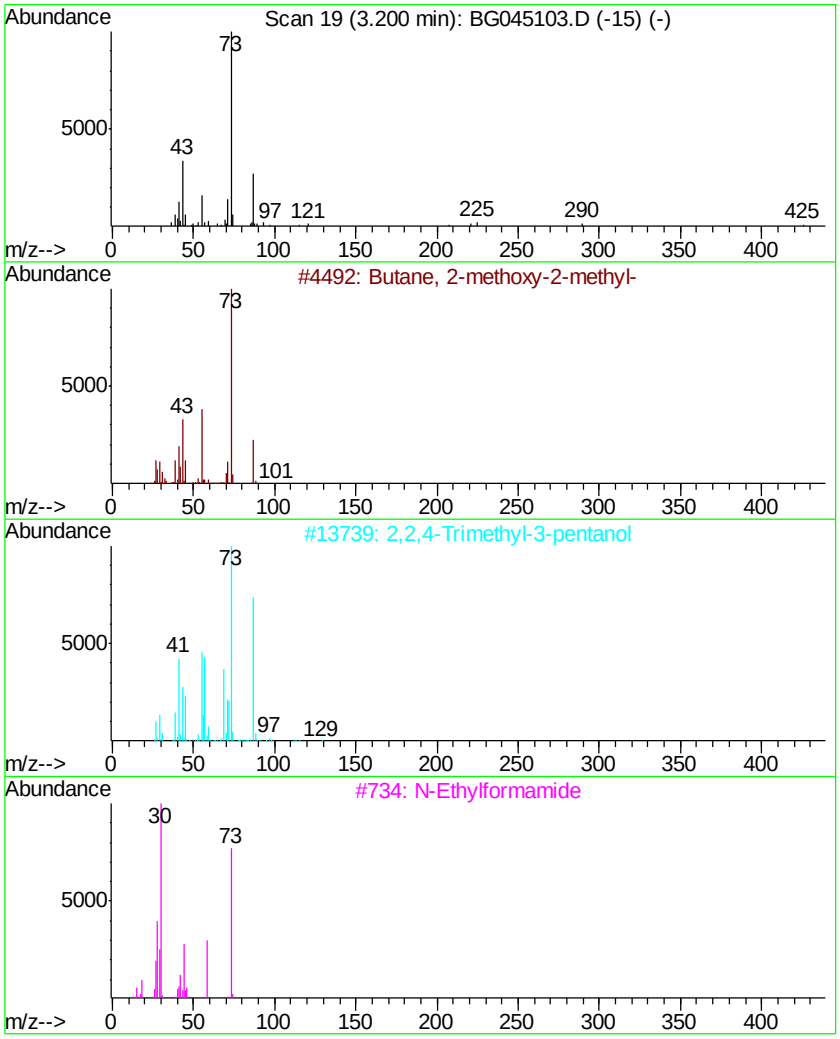
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

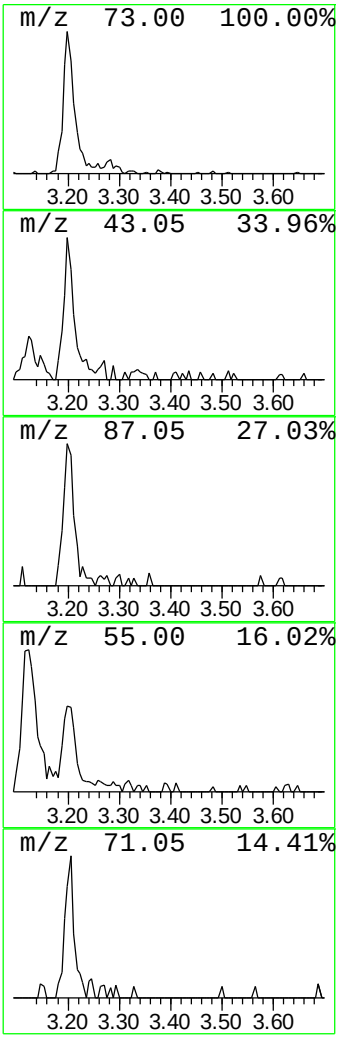
****

Peak Number 2 unknown3.20 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	2.54 ng	50554	1,4-Dichlorobenzene-d4	8.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	45
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	33
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	1-Propene-1-thiol	74	C3H6S	000925-89-3	9
5	1,3-Dioxolane, 2-propyl-	116	C6H12O2	003390-13-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042020\
Data File : BG045103.D
Acq On : 20 Apr 2020 19:43
Operator : CG/JU
Sample : L2346-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

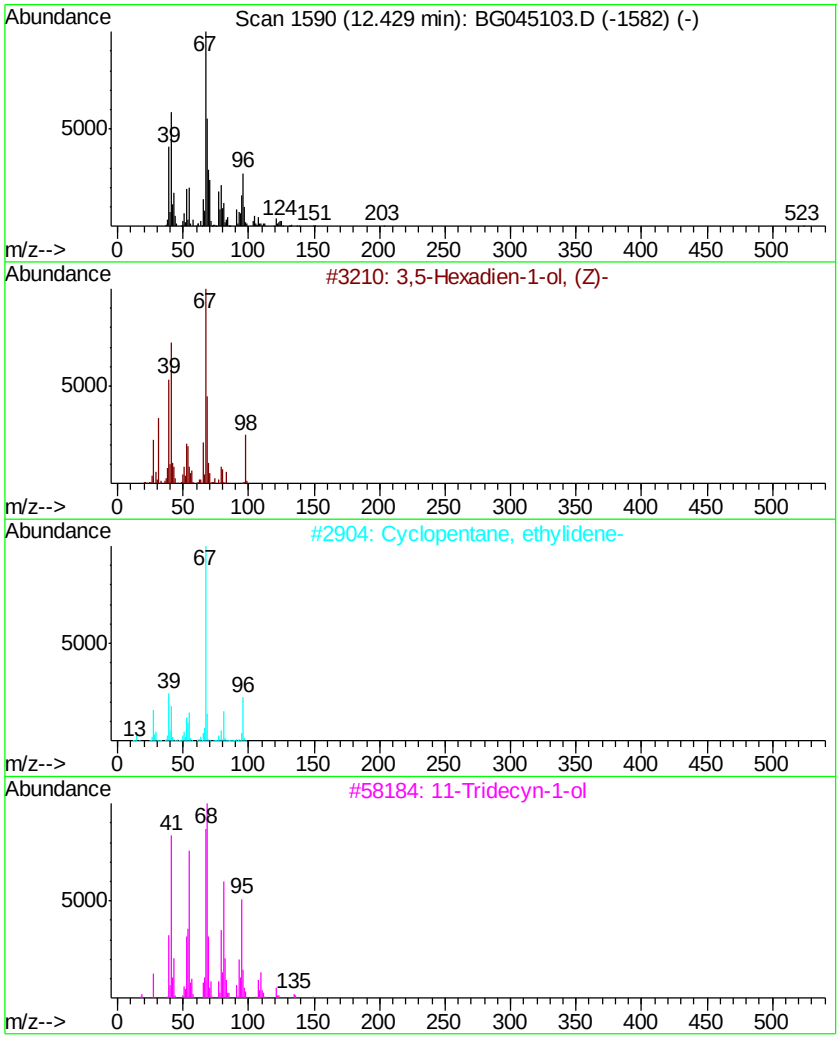
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

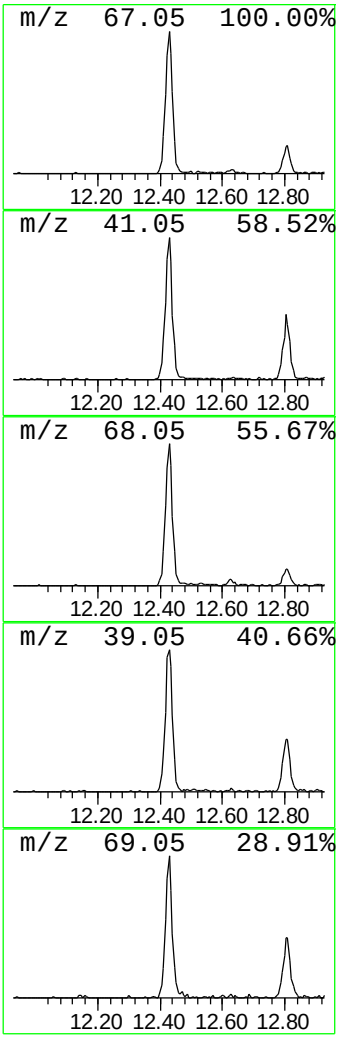
****

Peak Number 4 3,5-Hexadien-1-ol, (Z)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	19.19 ng	618804	Naphthalene-d8	10.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Hexadien-1-ol, (Z)-	98	C6H10O	002196-20-5	50
2	Cyclopentane, ethylidene-	96	C7H12	002146-37-4	47
3	11-Tridecyn-1-ol	196	C13H24O	033925-75-6	43
4	Cyclopentene	68	C5H8	000142-29-0	38
5	1-Ethylcyclopentene	96	C7H12	002146-38-5	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042020\
Data File : BG045103.D
Acq On : 20 Apr 2020 19:43
Operator : CG/JU
Sample : L2346-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

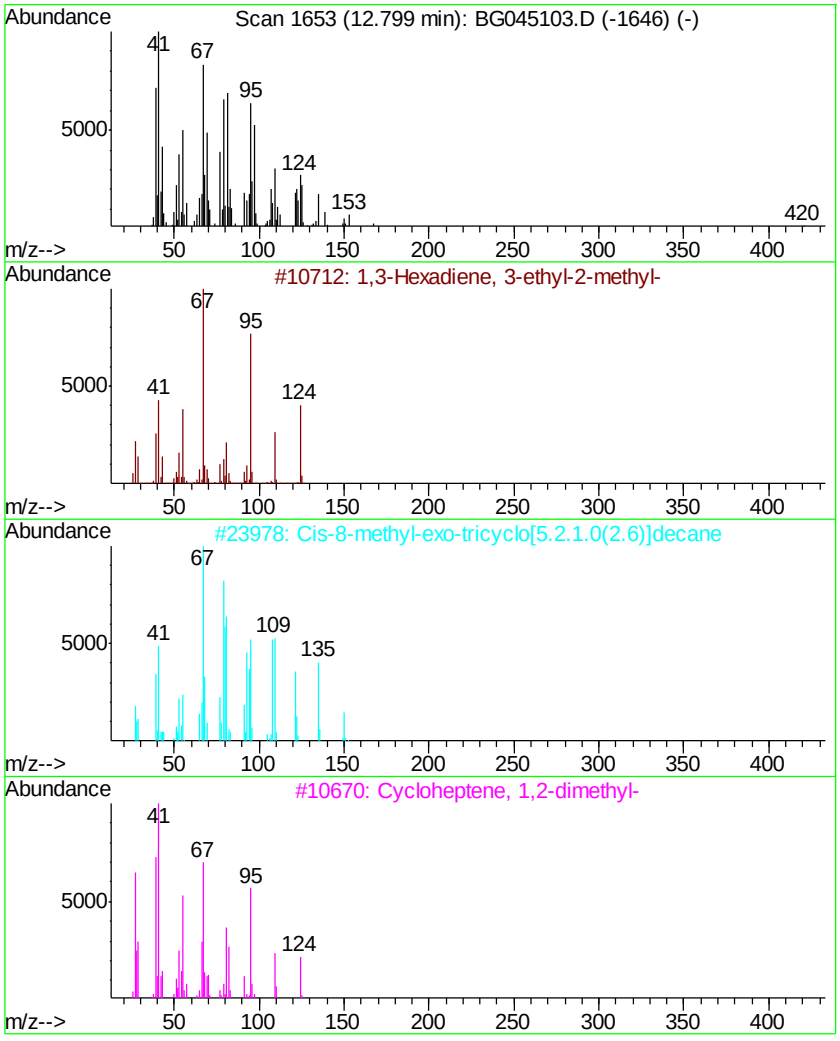
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

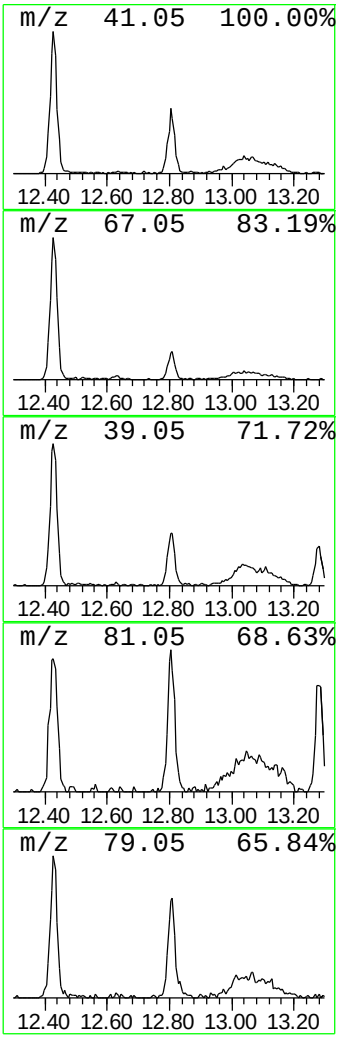
****

Peak Number 5 unknown12.80 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	6.54 ng	304247	Acenaphthene-d10	14.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Hexadiene, 3-ethyl-2-methyl-	124	C9H16	061142-36-7	43
2	Cis-8-methyl-exo-tricyclo[5.2.1....	150	C11H18	1000215-29-3	43
3	Cycloheptene, 1,2-dimethyl-	124	C9H16	020053-89-8	38
4	7-Oxabicyclo[4.1.0]heptane, 3-ox...	140	C8H12O2	000106-87-6	38
5	2,4-Hexadienoic acid, ethyl este...	140	C8H12O2	002396-84-1	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042020\
Data File : BG045103.D
Acq On : 20 Apr 2020 19:43
Operator : CG/JU
Sample : L2346-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

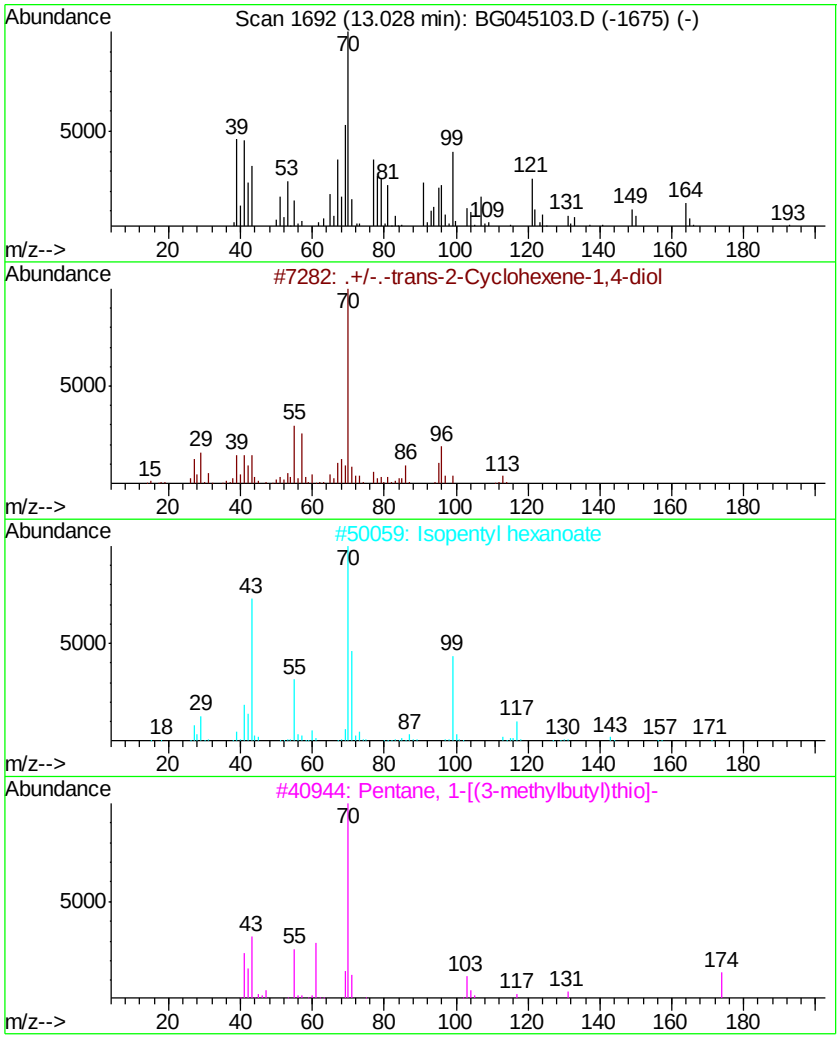
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

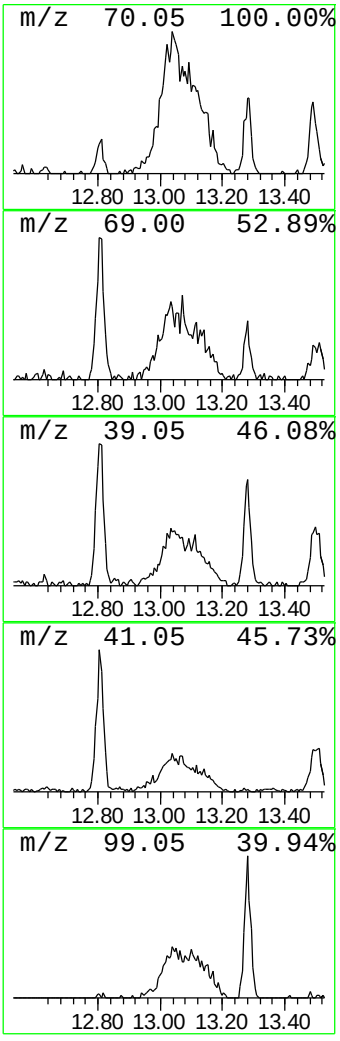
****

Peak Number 6 unknown13.03 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	5.66 ng	263266	Acenaphthene-d10	14.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.+/-.-trans-2-Cyclohexene-1,4-diol	114	C6H10O2	041513-32-0	38
2	Isopentyl hexanoate	186	C11H22O2	002198-61-0	37
3	Pentane, 1-[(3-methylbutyl)thio]-	174	C10H22S	007352-01-4	25
4	Furan, 2,3-dihydro-	70	C4H6O	001191-99-7	22
5	epiphotocitral A	152	C10H16O	1000365-93-8	17





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042020\
Data File : BG045103.D
Acq On : 20 Apr 2020 19:43
Operator : CG/JU
Sample : L2346-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

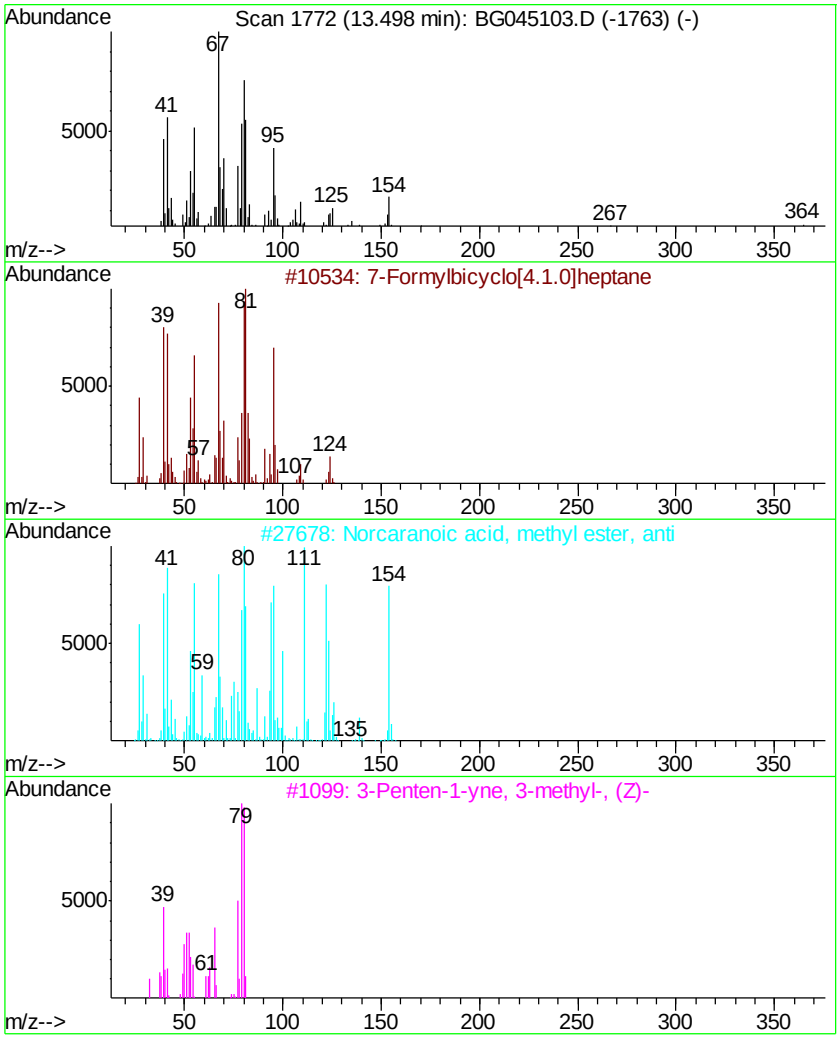
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

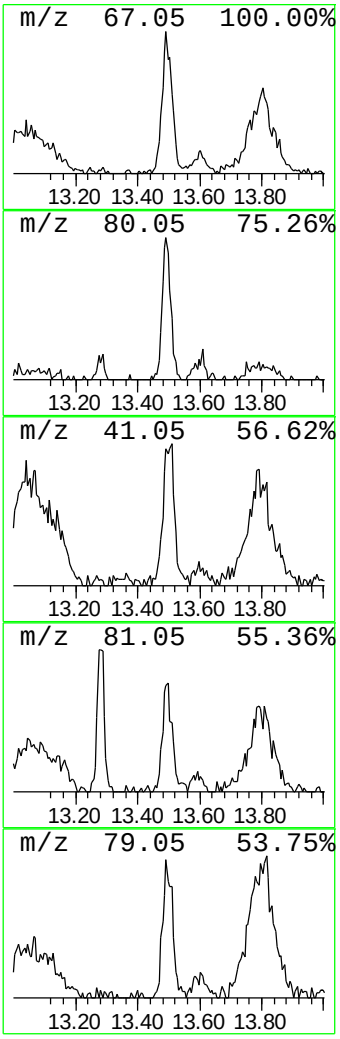
****

Peak Number 7 7-Formylbicyclo[4.1.0]heptane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	4.03 ng	187614	Acenaphthene-d10	14.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Formylbicyclo[4.1.0]heptane	124	C8H12O	1000197-01-8	81
2	Norcaranoic acid, methyl ester, ...	154	C9H14O2	1000149-95-2	76
3	3-Penten-1-yne, 3-methyl-, (Z)-	80	C6H8	014272-81-2	58
4	Spiro[2.4]heptane, 5-methylene-	108	C8H12	037745-07-6	53
5	3-Cyclohexene-1-carboxylic acid,...	140	C8H12O2	006493-77-2	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042020\
Data File : BG045103.D
Acq On : 20 Apr 2020 19:43
Operator : CG/JU
Sample : L2346-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

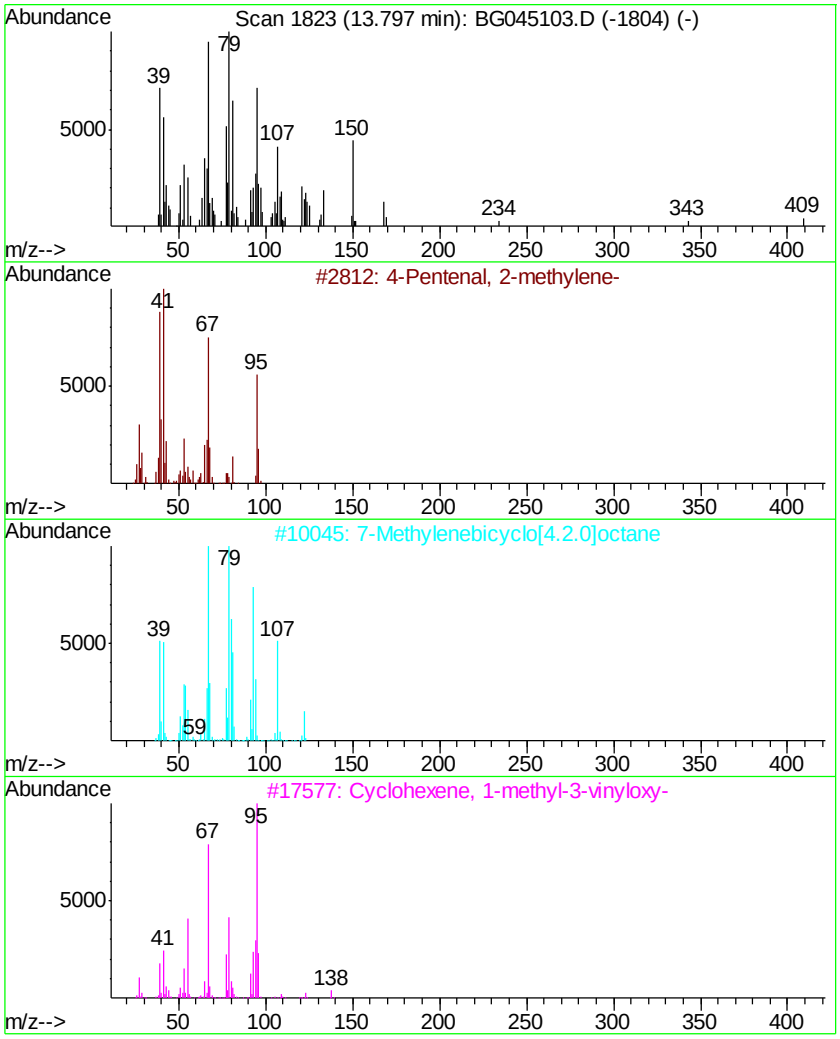
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

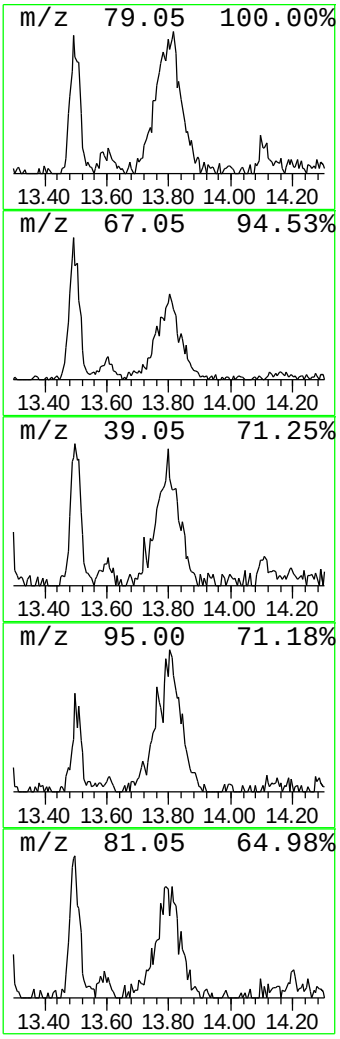
****

Peak Number 8 4-Pentenal, 2-methylene- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	8.21 ng	382159	Acenaphthene-d10	14.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Pentenal, 2-methylene-	96	C6H8O	017854-46-5	55
2	7-Methylenebicyclo[4.2.0]octane	122	C9H14	1000211-11-2	43
3	Cyclohexene, 1-methyl-3-vinyloxy-	138	C9H14O	100144-30-7	35
4	3-Nonen-1-yne, (E)-	122	C9H14	070600-49-6	30
5	Tricyclo[4.4.0.0(2,8)]dec-3-en-5-ol	150	C10H14O	1000193-38-7	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042020\
Data File : BG045103.D
Acq On : 20 Apr 2020 19:43
Operator : CG/JU
Sample : L2346-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

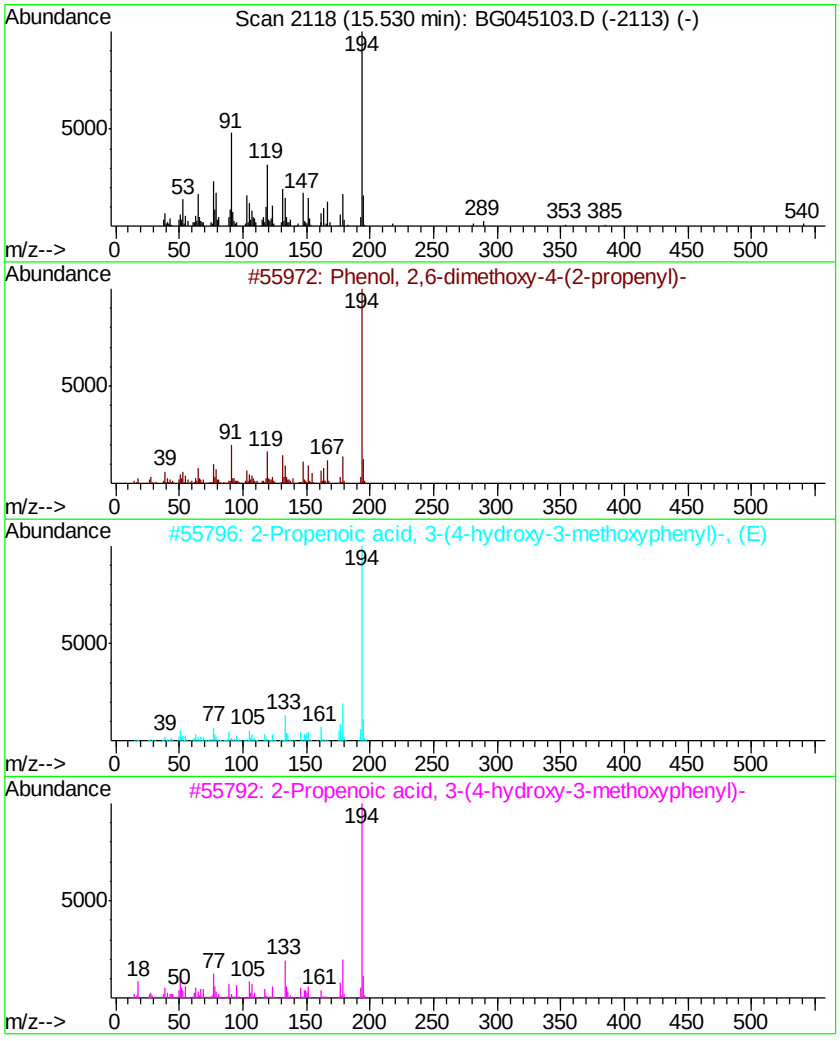
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

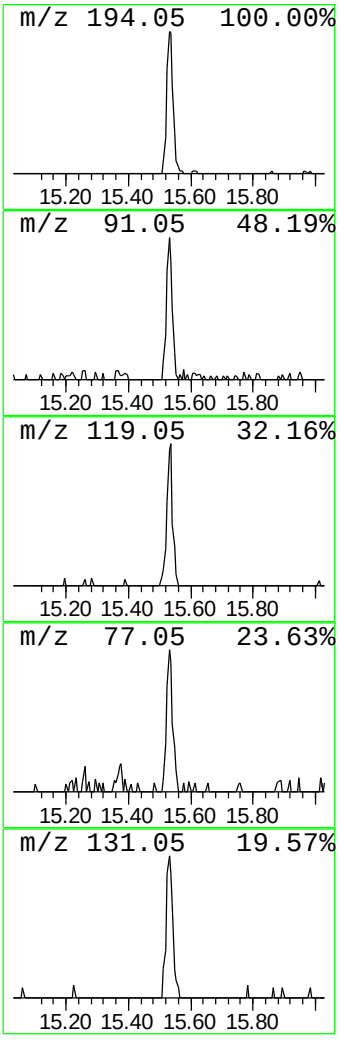
****

Peak Number 9 Phenol, 2,6-dimethoxy-4-(2-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	2.45 ng	114048	Acenaphthene-d10	14.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,6-dimethoxy-4-(2-prope...	194	C11H14O3	006627-88-9	97
2	2-Propenoic acid, 3-(4-hydroxy-3...	194	C10H10O4	000537-98-4	55
3	2-Propenoic acid, 3-(4-hydroxy-3...	194	C10H10O4	001135-24-6	55
4	2-Hydroxy-4-isopropyl-7-methoxyt...	194	C11H14O3	089647-85-8	47
5	3-Phenanthrol	194	C14H10O	000605-87-8	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042020\
Data File : BG045103.D
Acq On : 20 Apr 2020 19:43
Operator : CG/JU
Sample : L2346-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

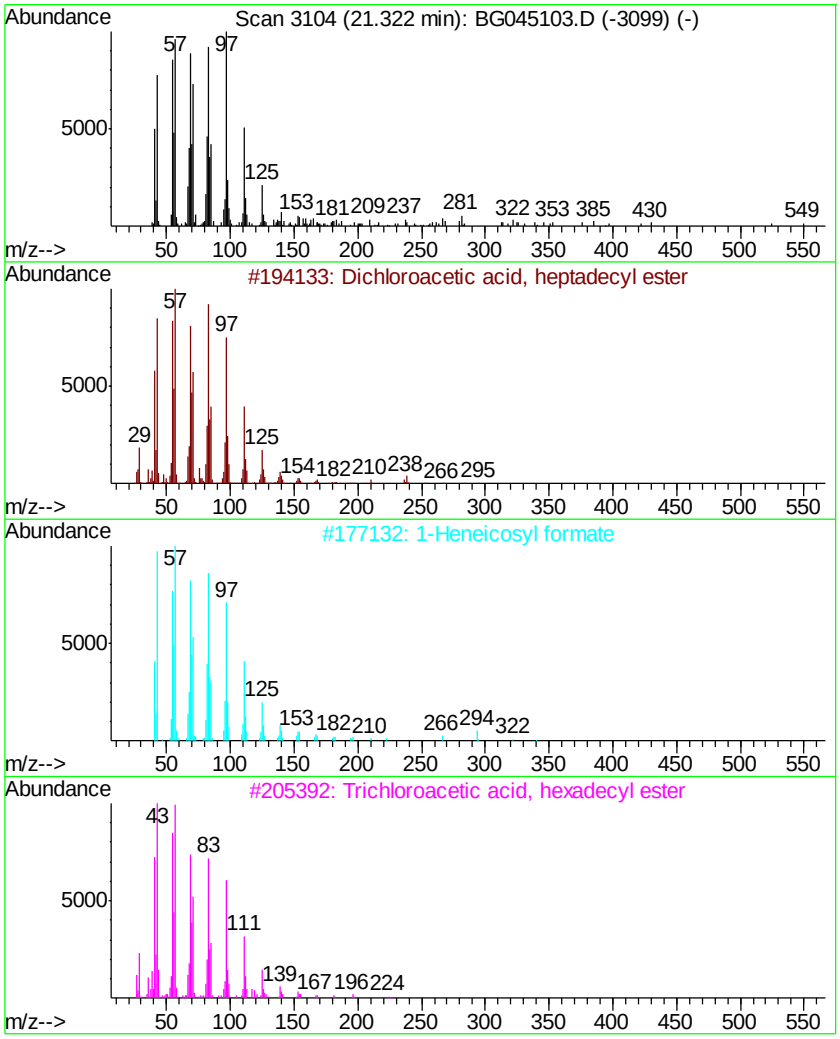
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

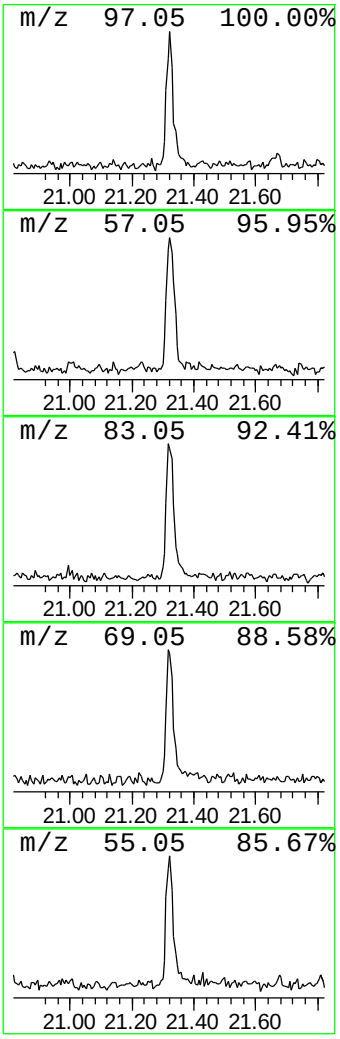
****

Peak Number 10 Dichloroacetic acid, heptad... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.32	3.87 ng	231055	Chrysene-d12	21.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	94
2	1-Heneicosyl formate	340	C22H44O2	077899-03-7	91
3	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91
4	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	91
5	1-Heptacosanol	396	C27H56O	002004-39-9	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042020\
Data File : BG045103.D
Acq On : 20 Apr 2020 19:43
Operator : CG/JU
Sample : L2346-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

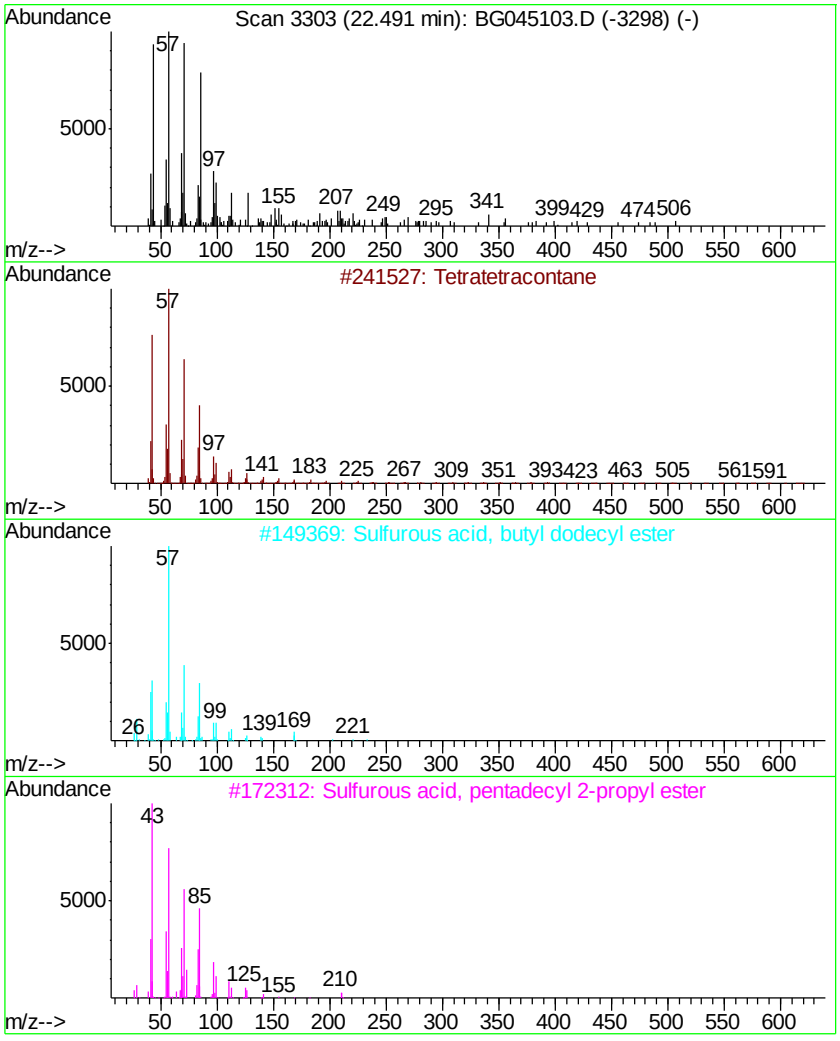
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

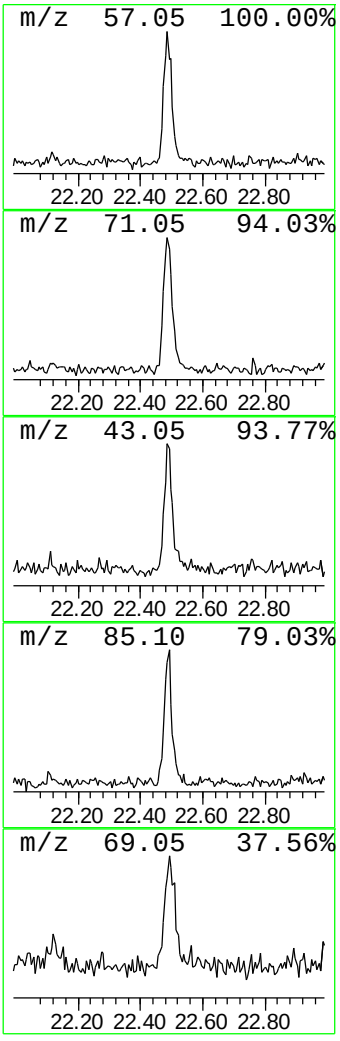
****

Peak Number 11 Tetratetracontane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.49	2.22 ng	132339	Chrysene-d12	21.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratetracontane	619	C44H90	007098-22-8	83
2	Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	80
3	Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	80
4	Pentatriacontane	493	C35H72	000630-07-9	80
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042020\
Data File : BG045103.D
Acq On : 20 Apr 2020 19:43
Operator : CG/JU
Sample : L2346-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

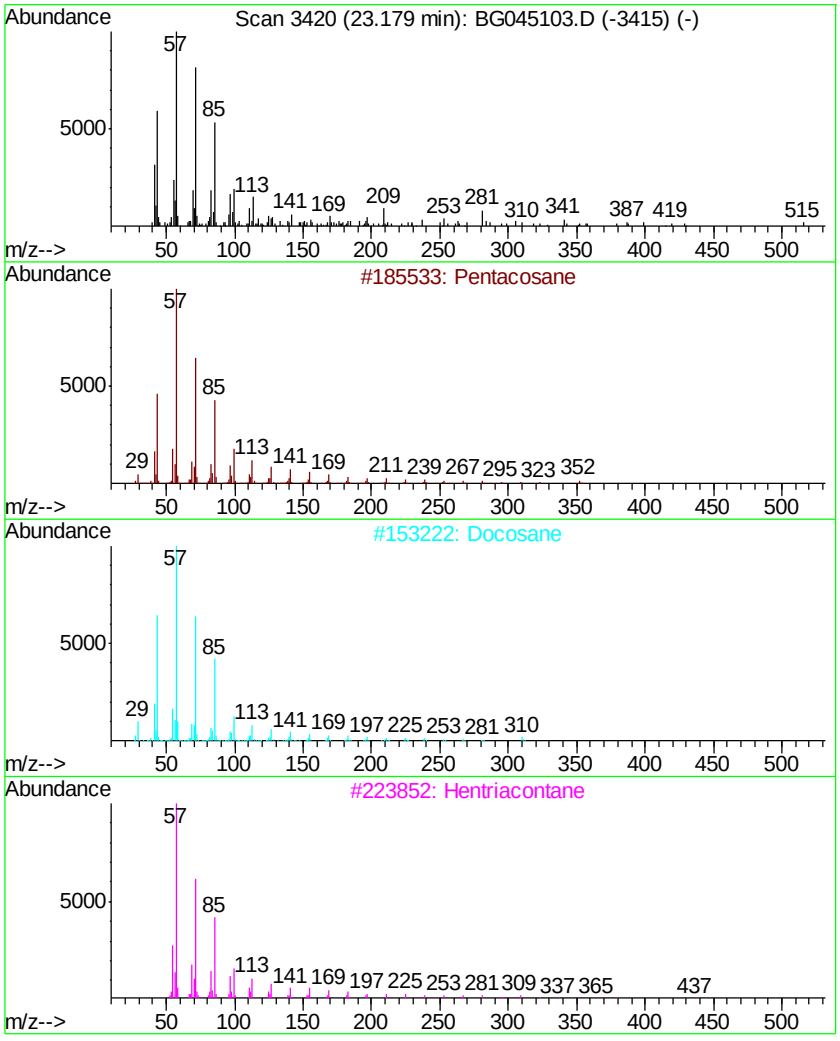
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

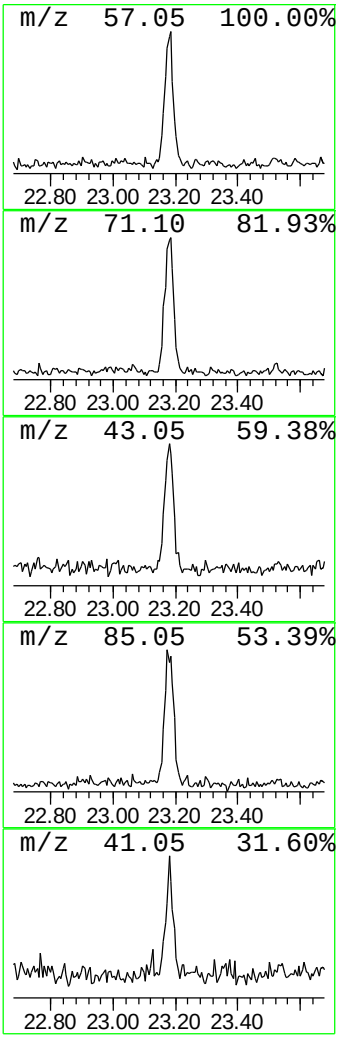
****

Peak Number 12 Pentacosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.18	2.63 ng	157305	Chrysene-d12	21.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane	352	C25H52	000629-99-2	91
2	Docosane	310	C22H46	000629-97-0	89
3	Hentriacontane	437	C31H64	000630-04-6	83
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	80
5	Triacontane	422	C30H62	000638-68-6	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042020\
Data File : BG045103.D
Acq On : 20 Apr 2020 19:43
Operator : CG/JU
Sample : L2346-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

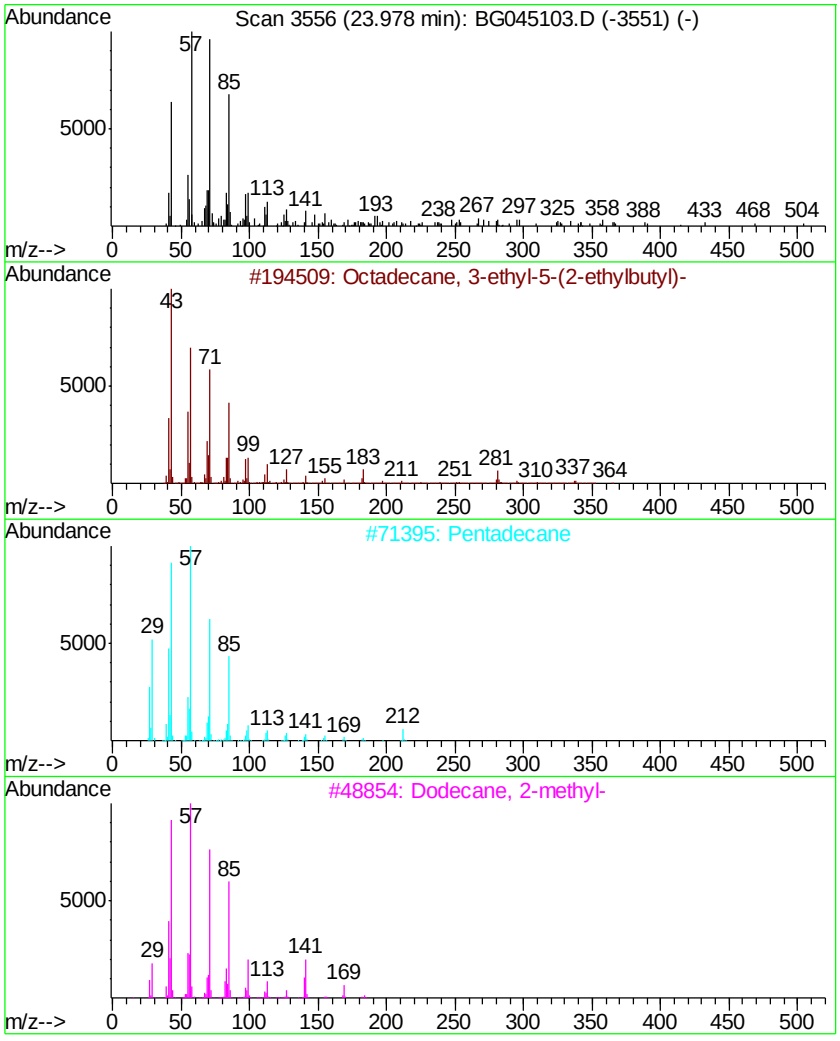
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

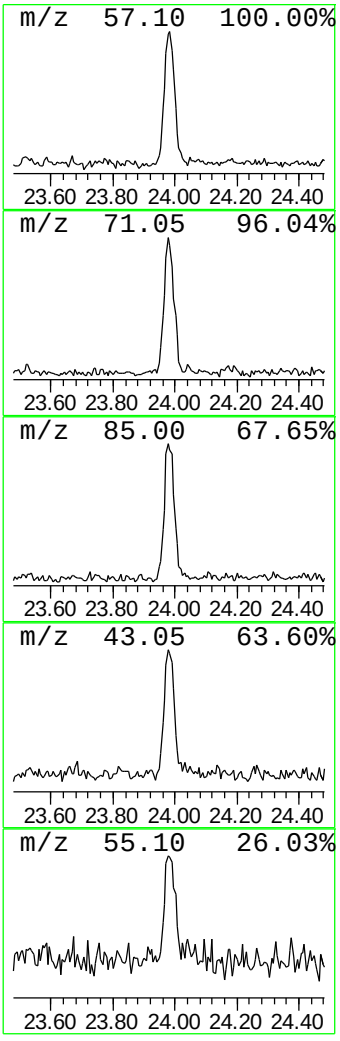
****

Peak Number 13 Octadecane, 3-ethyl-5-(2-et... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.98	3.11 ng	182306	Perylene-d12	24.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 3-ethyl-5-(2-ethylbu...	366	C26H54	055282-12-7	83
2	Pentadecane	212	C15H32	000629-62-9	81
3	Dodecane, 2-methyl-	184	C13H28	001560-97-0	74
4	Pentadecane, 4-methyl-	226	C16H34	002801-87-8	74
5	Heptadecane, 2,3-dimethyl-	268	C19H40	061868-03-9	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG042020\
Data File : BG045103.D
Acq On : 20 Apr 2020 19:43
Operator : CG/JU
Sample : L2346-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclohexane	3.12	3.7	ng	73030	1	8.02	398729	20.0
unknown3.20	3.20	2.5	ng	50554	1	8.02	398729	20.0
3,5-Hexadien-1-ol...	12.43	19.2	ng	618804	2	10.83	644940	20.0
unknown12.80	12.80	6.5	ng	304247	3	14.66	930906	20.0
unknown13.03	13.03	5.7	ng	263266	3	14.66	930906	20.0
7-Formylbicyclo[4...	13.50	4.0	ng	187614	3	14.66	930906	20.0
4-Pentenal, 2-met...	13.80	8.2	ng	382159	3	14.66	930906	20.0
Phenol, 2,6-dimet...	15.53	2.5	ng	114048	3	14.66	930906	20.0
Dichloroacetic ac...	21.32	3.9	ng	231055	5	21.67	1194910	20.0
Tetratetracontane	22.49	2.2	ng	132339	5	21.67	1194910	20.0
Pentacosane	23.18	2.6	ng	157305	5	21.67	1194910	20.0
Octadecane, 3-eth...	23.98	3.1	ng	182306	6	24.86	1174010	20.0