LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083120\
Data File : BG046480.D
Acq On : 31 Aug 2020 22:33
Operator : CG/JU
Sample : L3847-25
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LINDEN-JOP-BH-12-A

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-BG082520.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	3.129	3	7	25	rVB	388343	547664	12.20%	1.741%
2	5.044	328	333	342	rVB	35723	57613	1.28%	0.183%
3	5.515	406	413	430	rBV	1070535	1767863	39.39%	5.619%
4	7.107	675	684	702	rBV	1150414	1996534	44.49%	6.346%
5	7.524	750	755	765	rBV	81946	142335	3.17%	0.452%
6	7.929	818	824	832	rVB	287491	479320	10.68%	1.524%
7	9.087	1013	1021	1032	rBV	775389	1375195	30.64%	4.371%
8	10.726	1292	1300	1315	rBV	409856	762435	16.99%	2.423%
9	13.188	1711	1719	1730	rBV	2152846	3521367	78.47%	11.193%
10	13.470	1759	1767	1782	rBV	878827	1423150	31.71%	4.524%
11	14.010	1853	1859	1866	rBV	405950	592263	13.20%	1.883%
12	14.563	1946	1953	1960	rBV	705979	1091395	24.32%	3.469%
13	15.691	2140	2145	2157	rBV	352318	526552	11.73%	1.674%
14	16.049	2199	2206	2217	rBV	1541328	2351626	52.40%	7.475%
15	16.284	2240	2246	2254	rBV5	23746	52821	1.18%	0.168%
16	17.307	2412	2420	2424	rBV	827053	1272202	28.35%	4.044%
17	17.348	2424	2427	2432	rVB	277143	373357	8.32%	1.187%
18	17.436	2438	2442	2448	rVB	57571	87891	1.96%	0.279%
19	17.618	2468	2473	2479	rBV2	59405	93503	2.08%	0.297%
20	18.206	2570	2573	2575	rBV	47474	55042	1.23%	0.175%
21	18.229	2575	2577	2581	rVB	73432	86496	1.93%	0.275%
22	18.376	2596	2602	2606	rBV3	69684	144248	3.21%	0.458%
23	18.499	2619	2623	2627	rBV	35113	50749	1.13%	0.161%
24	18.681	2649	2654	2657	rBV	39466	58673	1.31%	0.186%
25	19.063	2715	2719	2722	rBV3	70609	125780	2.80%	0.400%
26	19.134	2728	2731	2738	rBV5	36042	59257	1.32%	0.188%
27	19.234	2745	2748	2755	rVB	36638	65939	1.47%	0.210%
28	19.357	2764	2769	2776	rBV	744941	1117223	24.90%	3.551%
29	19.716	2821	2830	2839	rBV	670746	1152835	25.69%	3.664%
30	19.921	2859	2865	2870	rBV	3357616	4487615	100.00%	14.264%
31	20.209	2912	2914	2917	rVB2	71642	69401	1.55%	0.221%
32	21.220	3082	3086	3094	rBV3	302745	555281	12.37%	1.765%
33	21.549	3135	3142	3147	rBV2	901132	1950927	43.47%	6.201%
34	21.596	3147	3150	3158	rVB	301825	476939	10.63%	1.516%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083120\
Data File : BG046480.D
Acq On : 31 Aug 2020 22:33
Operator : CG/JU
Sample : L3847-25
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LINDEN-JOP-BH-12-A

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-BG082520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	23.681	3498	3505	3512	rBV	251057	771861	17.20%	2.453%
36	24.510	3641	3646	3660	rVB	221457	579350	12.91%	1.841%
37	24.657	3664	3671	3679	rVV	446059	1138169	25.36%	3.618%

Sum of corrected areas: 31460871

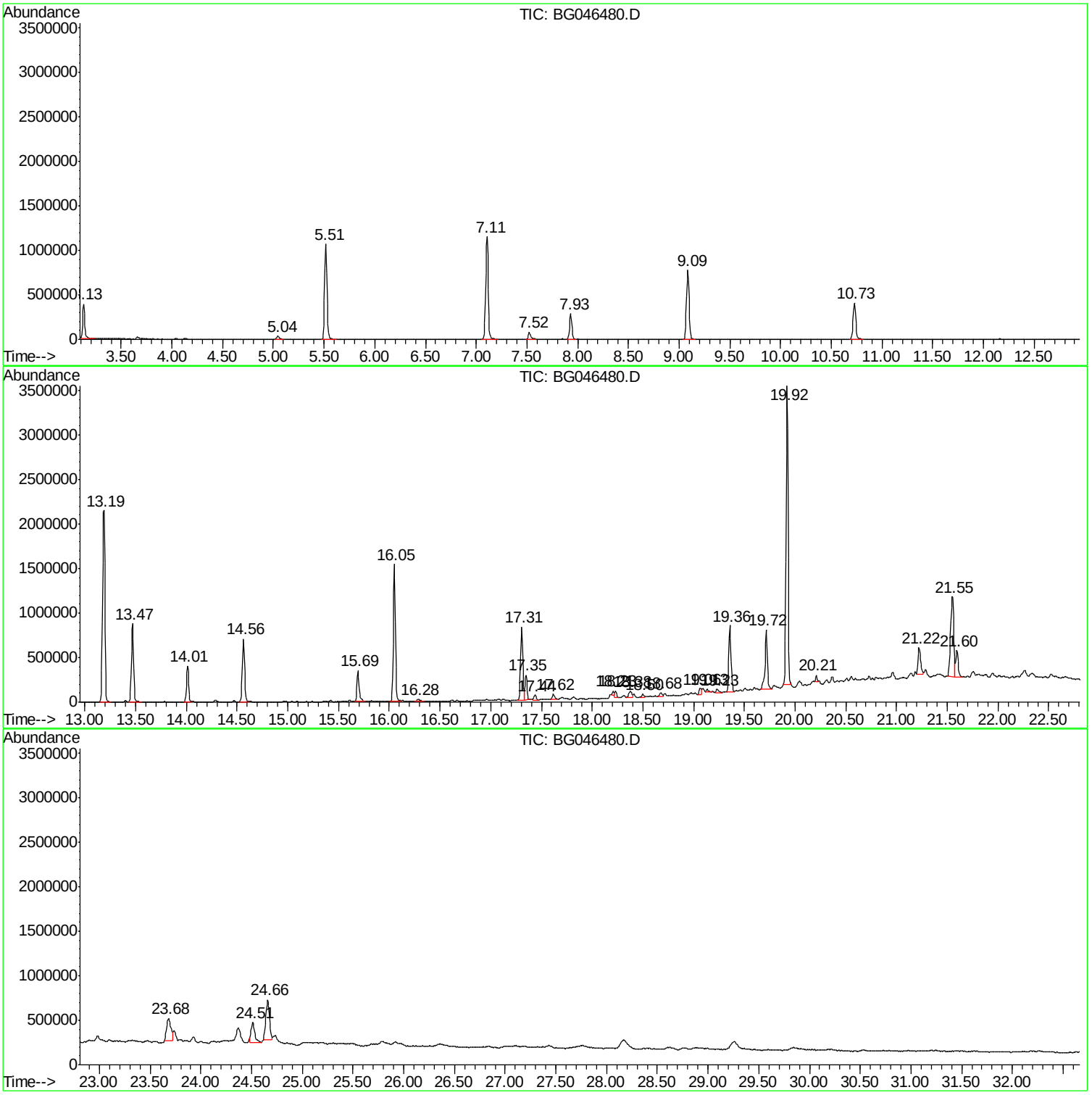
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083120\
Data File : BG046480.D
Acq On : 31 Aug 2020 22:33
Operator : CG/JU
Sample : L3847-25
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LINDEN-JOP-BH-12-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083120\
Data File : BG046480.D
Acq On : 31 Aug 2020 22:33
Operator : CG/JU
Sample : L3847-25
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LINDEN-JOP-BH-12-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

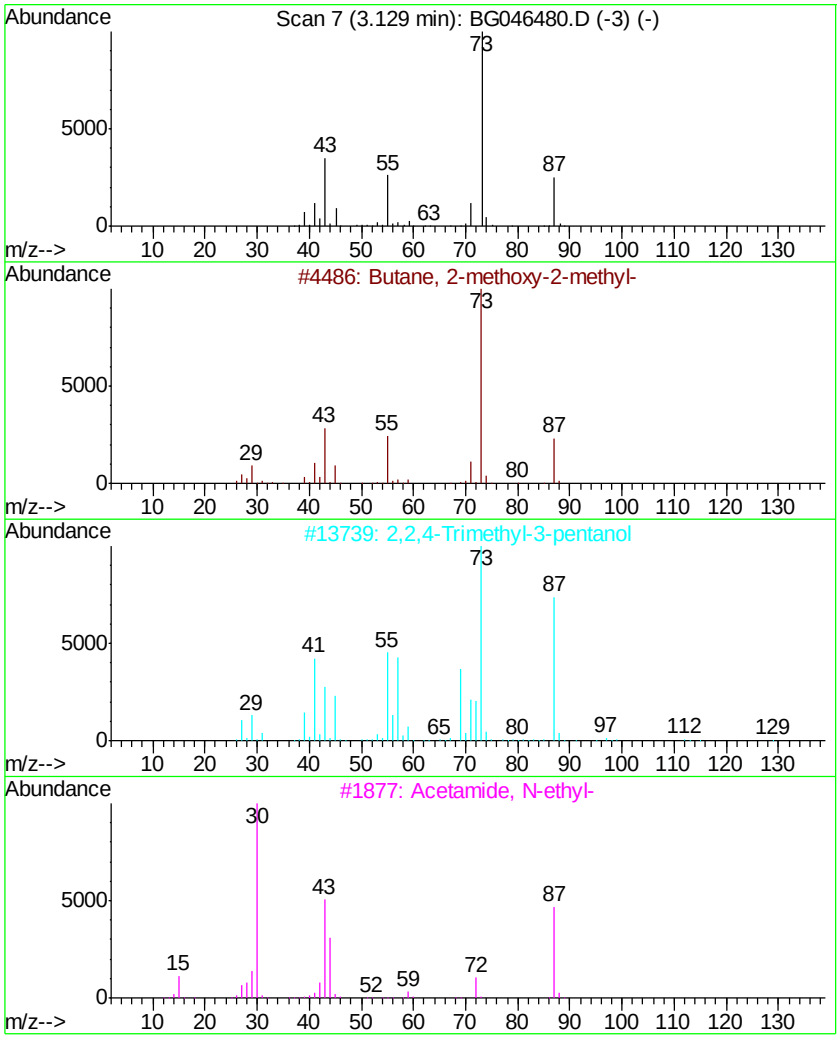
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

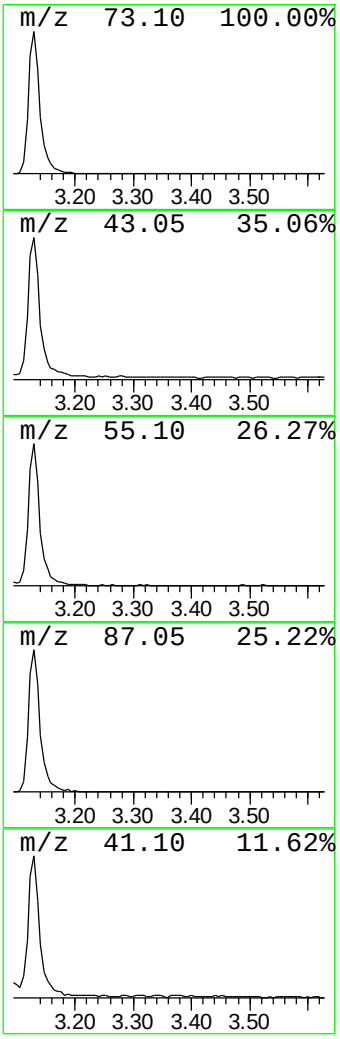
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.13	22.85 ng	547664	1,4-Dichlorobenzene-d4	7.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083120\
Data File : BG046480.D
Acq On : 31 Aug 2020 22:33
Operator : CG/JU
Sample : L3847-25
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LINDEN-JOP-BH-12-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

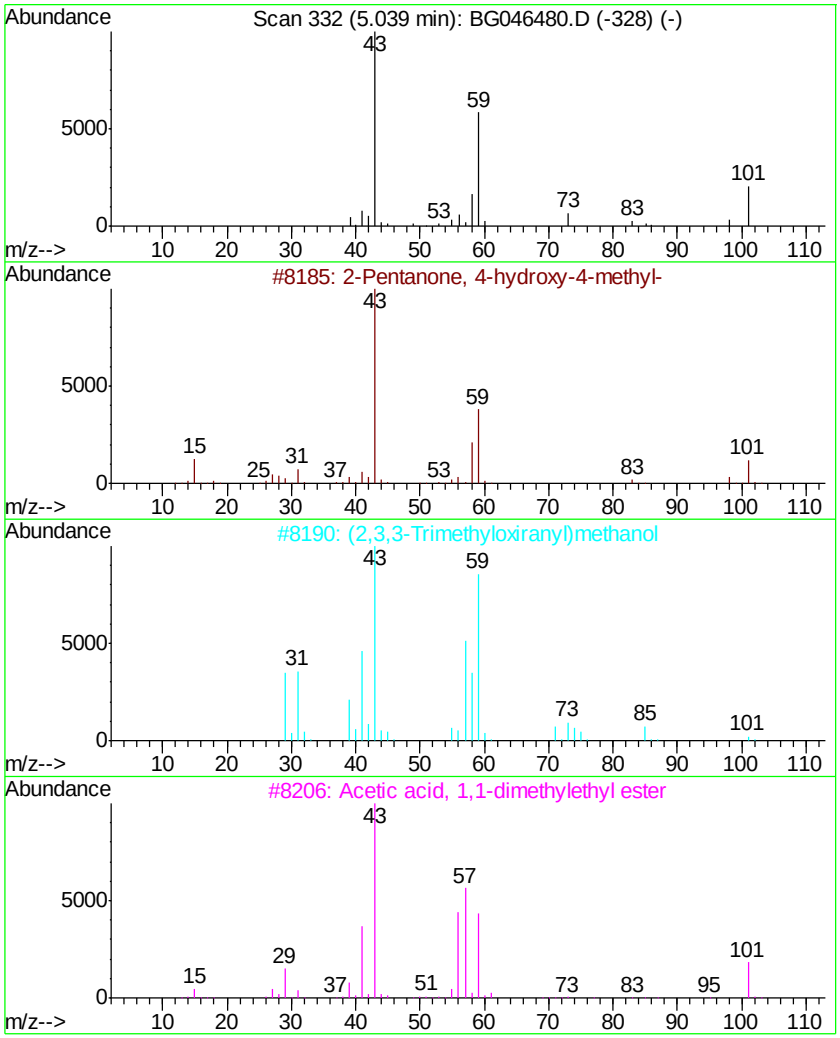
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

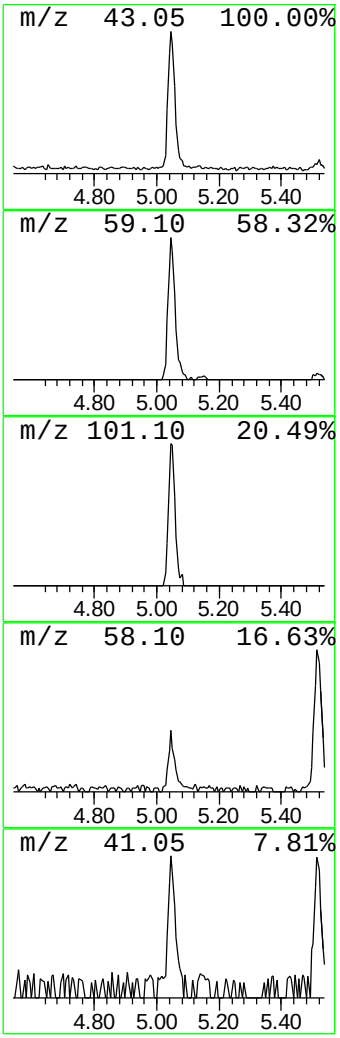
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.04	2.40 ng	57613	1,4-Dichlorobenzene-d4	7.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
2	(2,3,3-Trimethyloxiranyl)methanol	116	C6H12O2	1000306-64-7	36
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	36
4	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	23
5	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083120\
Data File : BG046480.D
Acq On : 31 Aug 2020 22:33
Operator : CG/JU
Sample : L3847-25
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LINDEN-JOP-BH-12-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

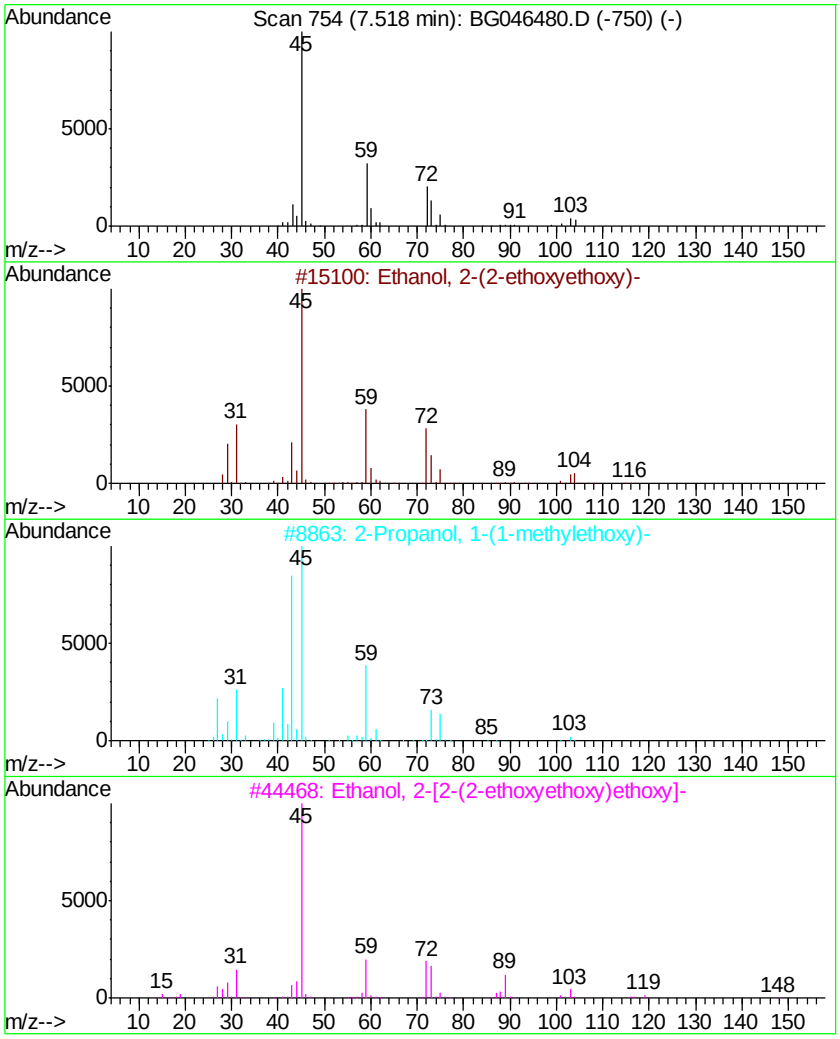
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

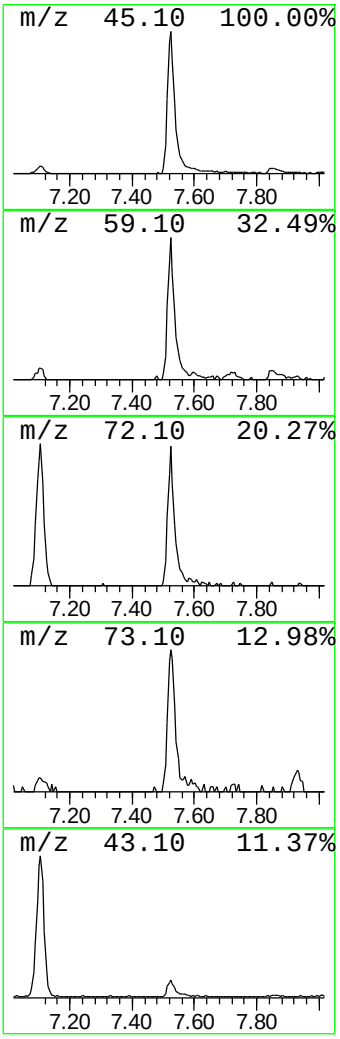
****

Peak Number 3 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.52	5.94 ng	142335	1,4-Dichlorobenzene-d4	7.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	83
2	2-Propanol, 1-(1-methylethoxy)-	118	C6H14O2	003944-36-3	36
3	Ethanol, 2-[2-(2-ethoxyethoxy)et...	178	C8H18O4	000112-50-5	36
4	(S)-(+)-1,2-Propanediol	76	C3H8O2	004254-15-3	23
5	Diethyl carbitol	162	C8H18O3	000112-36-7	23





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083120\
Data File : BG046480.D
Acq On : 31 Aug 2020 22:33
Operator : CG/JU
Sample : L3847-25
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LINDEN-JOP-BH-12-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

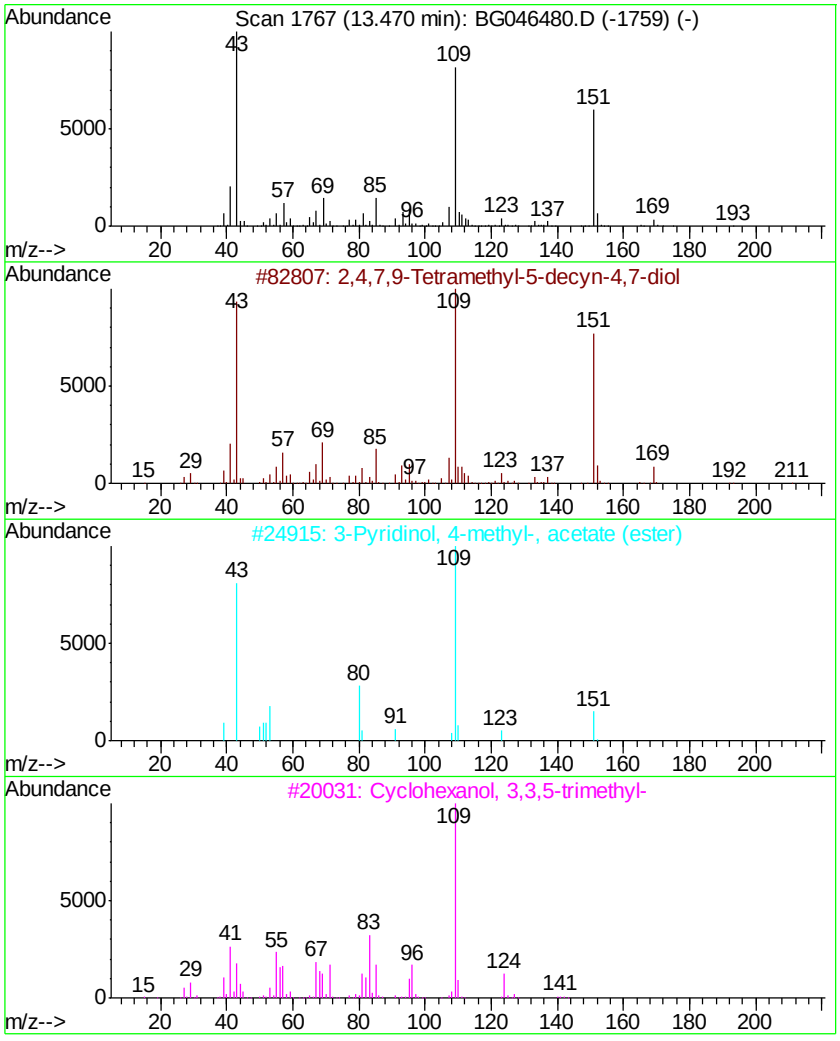
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

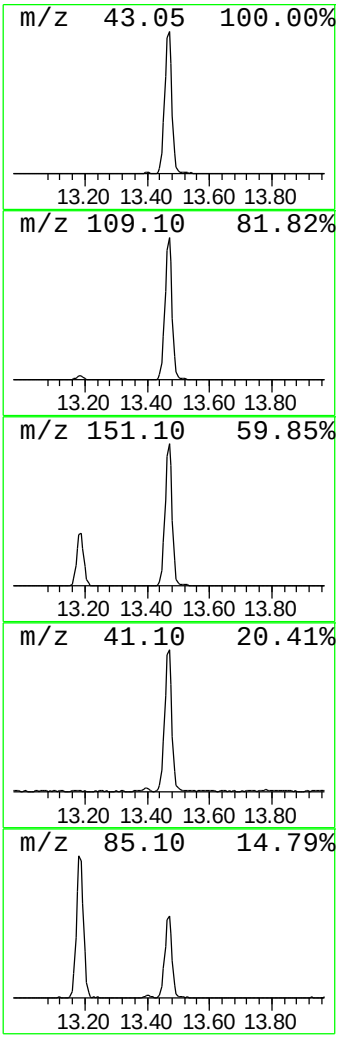
****

Peak Number 4 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	26.08 ng	1423150	Acenaphthene-d10	14.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	91
2	3-Pyridinol, 4-methyl-, acetate ...	151	C8H9NO2	001006-96-8	59
3	Cyclohexanol, 3,3,5-trimethyl-	142	C9H18O	000116-02-9	43
4	2,6-Pyridinediamine	109	C5H7N3	000141-86-6	38
5	Cyclopentanol, 1-(methylenecyclo...	138	C9H14O	086951-58-8	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083120\
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Misc :
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Instrument : BNA_G
ClientSampleId : LINDEN-JOP-BH-12-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

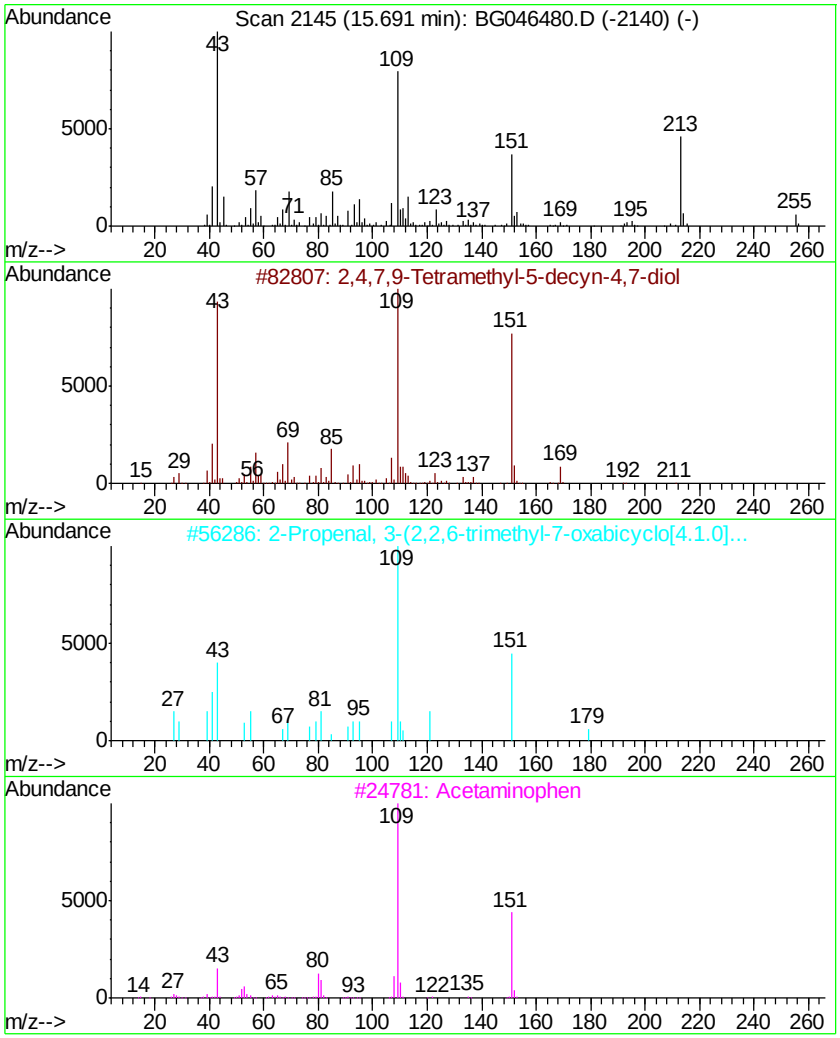
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

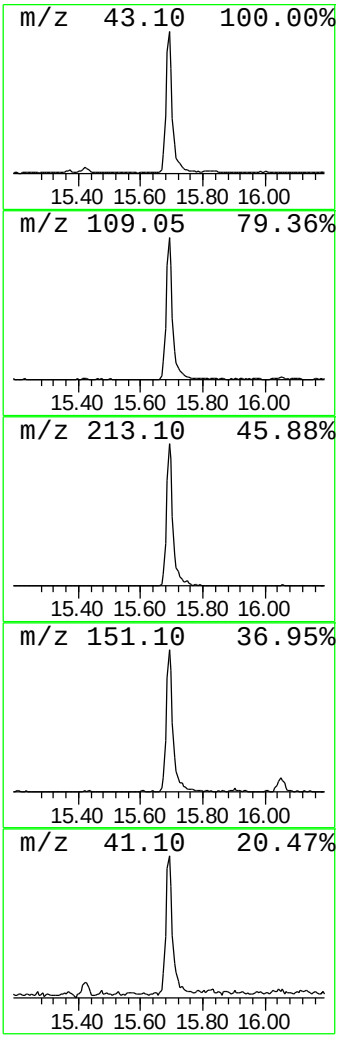
****

Peak Number 5 unknown15.69 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	9.65 ng	526552	Acenaphthene-d10	14.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	62
2	2-Propenal, 3-(2,2,6-trimethyl-7...	194	C12H18O2	055759-91-6	47
3	Acetaminophen	151	C8H9NO2	000103-90-2	43
4	Pyridine, 2-butyl-, 1-oxide	151	C9H13NO	031396-32-4	43
5	4-(1,5-Dihydroxy-2,6,6-trimethyl...	224	C13H20O3	1000191-85-2	38





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ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LINDEN-JOP-BH-12-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

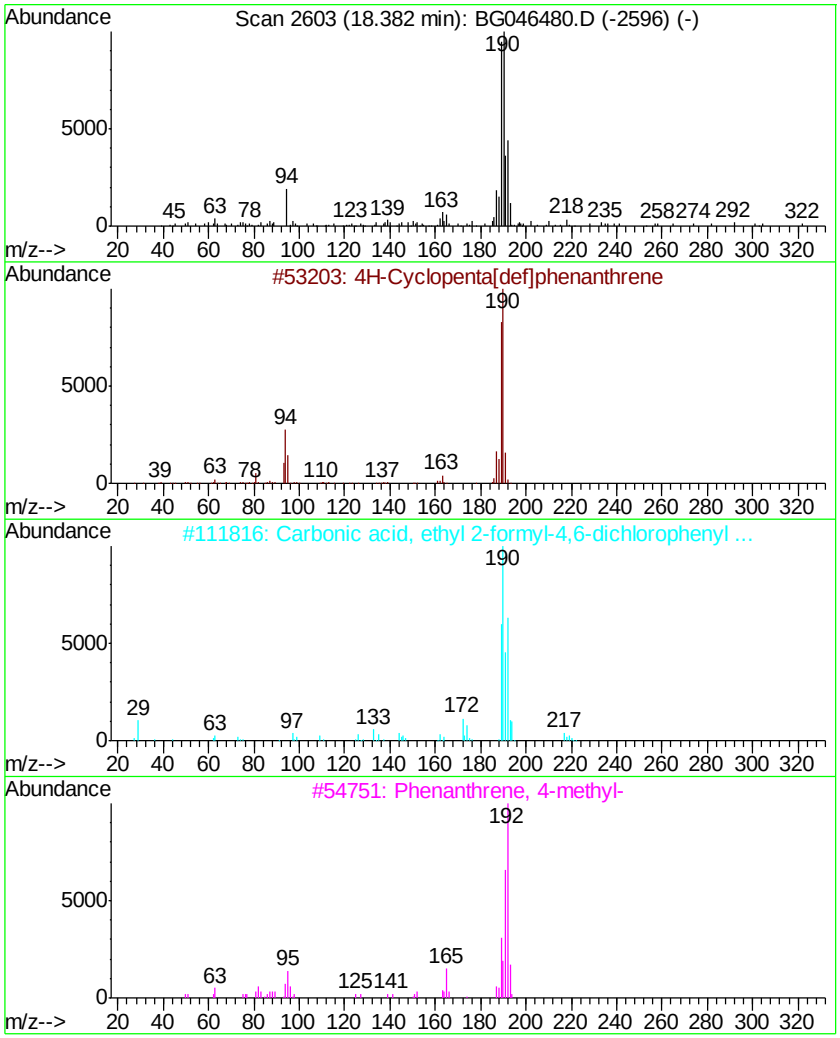
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

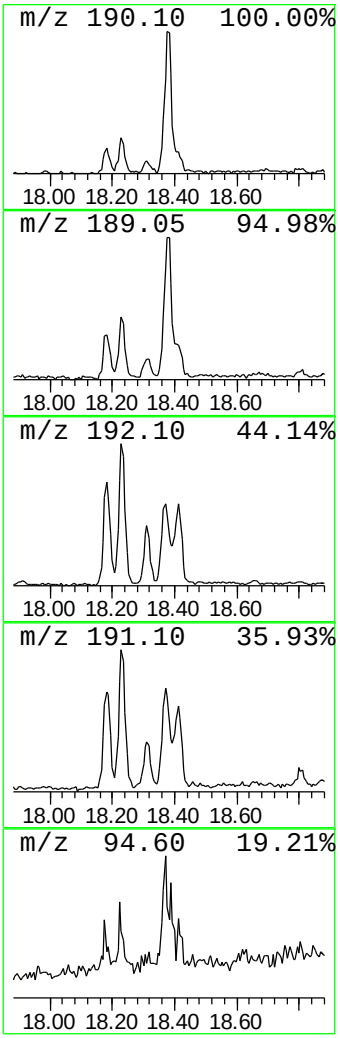
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	2.27 ng	144248	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	14





Library Search Compound Report

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

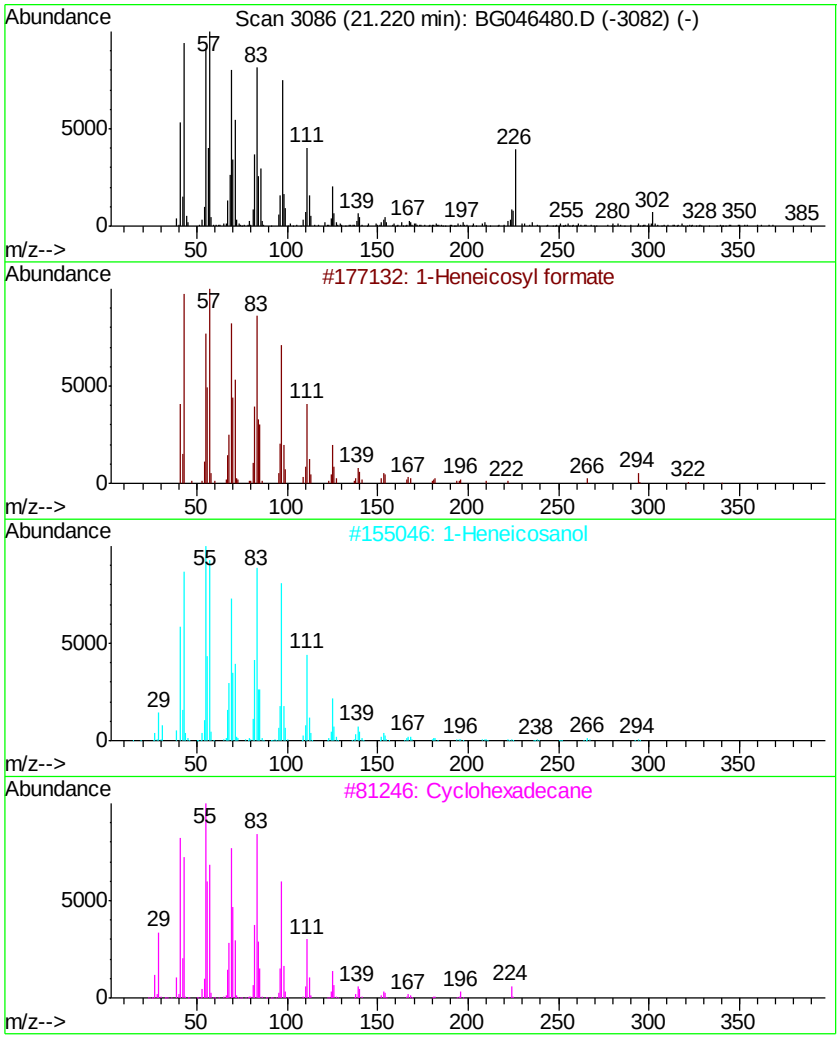
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

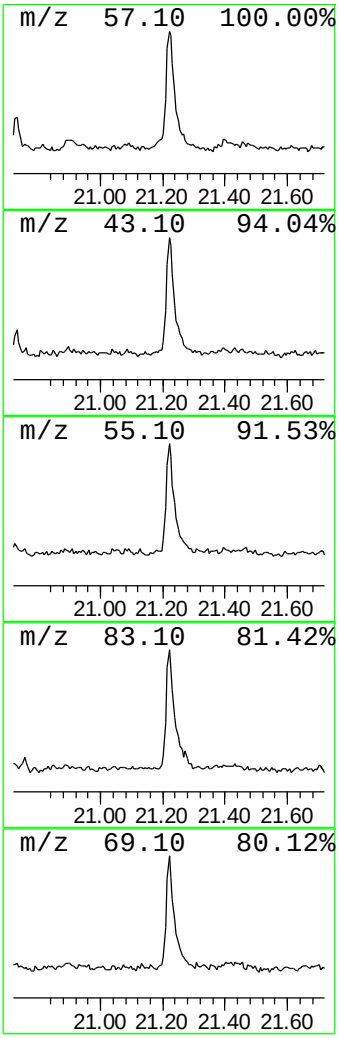
****

Peak Number 7 1-Heneicosyl formate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.22	5.69 ng	555281	Chrysene-d12	21.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosyl formate	340	C22H44O2	077899-03-7	95
2	1-Heneicosanol	312	C21H44O	015594-90-8	93
3	Cyclohexadecane	224	C16H32	000295-65-8	93
4	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	93
5	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG083120\
Data File : BG046480.D
Acq On : 31 Aug 2020 22:33
Operator : CG/JU
Sample : L3847-25
Misc :
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Instrument : BNA_G
ClientSampleId : LINDEN-JOP-BH-12-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082520.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
Butane, 2-methoxy...	3.13	22.9	ng	547664	1	7.93	479320	20.0
2-Pentanone, 4-hy...	5.04	2.4	ng	57613	1	7.93	479320	20.0
Ethanol, 2-(2-eth...	7.52	5.9	ng	142335	1	7.93	479320	20.0
2,4,7,9-Tetrameth...	13.47	26.1	ng	1423150	3	14.56	1091400	20.0
unknown15.69	15.69	9.7	ng	526552	3	14.56	1091400	20.0
4H-Cyclopenta[def...	18.38	2.3	ng	144248	4	17.31	1272200	20.0
1-Heneicosyl formate	21.22	5.7	ng	555281	5	21.55	1950930	20.0