LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083120\
Data File : BG046479.D
Acq On : 31 Aug 2020 21:53
Operator : CG/JU
Sample : L3847-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LINDEN-JOP-BH-11-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	22	rVB	365280	508085	11.30%	1.393%
2	5.044	328	333	344	rVB	26510	44971	1.00%	0.123%
3	5.514	406	413	428	rBV	985893	1593637	35.45%	4.368%
4	7.106	675	684	703	rBV	1019295	1811149	40.28%	4.965%
5	7.524	750	755	765	rBV	68224	122566	2.73%	0.336%
6	7.929	817	824	833	rBV	290225	478671	10.65%	1.312%
7	9.086	1012	1021	1036	rBV	690883	1231012	27.38%	3.374%
8	10.726	1289	1300	1307	rBV	417138	756092	16.82%	2.073%
9	13.182	1711	1718	1733	rBV	2066480	3256604	72.43%	8.927%
10	13.458	1761	1765	1773	rVB2	29327	46890	1.04%	0.129%
11	14.010	1853	1859	1865	rBV	402885	582451	12.96%	1.597%
12	14.562	1945	1953	1959	rBV	721905	1138008	25.31%	3.119%
13	16.049	2198	2206	2217	rBV	1471785	2201295	48.96%	6.034%
14	16.284	2240	2246	2258	rVB7	26295	58073	1.29%	0.159%
15	17.306	2413	2420	2424	rBV	840742	1346957	29.96%	3.692%
16	17.342	2424	2426	2433	rVB	308663	419526	9.33%	1.150%
17	17.436	2438	2442	2447	rVB	65766	97237	2.16%	0.267%
18	17.706	2478	2488	2492	rBV2	24344	60414	1.34%	0.166%
19	17.817	2502	2507	2512	rVB2	28860	48607	1.08%	0.133%
20	18.182	2564	2569	2571	rBV	76183	112133	2.49%	0.307%
21	18.229	2573	2577	2586	rVV	109036	175696	3.91%	0.482%
22	18.305	2586	2590	2595	rVV	36550	57528	1.28%	0.158%
23	18.370	2595	2601	2606	rVV3	119047	249907	5.56%	0.685%
24	18.411	2606	2608	2614	rVB	71551	83051	1.85%	0.228%
25	18.499	2619	2623	2632	rVB5	27400	49549	1.10%	0.136%
26	18.675	2649	2653	2657	rBV	62442	89832	2.00%	0.246%
27	18.716	2657	2660	2666	rVB3	40285	64445	1.43%	0.177%
28	19.098	2717	2725	2728	rBV	109677	188853	4.20%	0.518%
29	19.233	2743	2748	2756	rBV2	72260	138767	3.09%	0.380%
30	19.357	2763	2769	2776	rBV	1026325	1408504	31.33%	3.861%
31	19.598	2807	2810	2814	rBV	39189	54572	1.21%	0.150%
32	19.715	2820	2830	2838	rBV	1068980	1852212	41.20%	5.077%
33	19.792	2839	2843	2850	rVB3	56812	109600	2.44%	0.300%
34	19.921	2856	2865	2870	rBV	3379347	4495955	100.00%	12.324%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083120\
Data File : BG046479.D
Acq On : 31 Aug 2020 21:53
Operator : CG/JU
Sample : L3847-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LINDEN-JOP-BH-11-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	20.050	2880	2887	2893	rBV4	102537	269667	6.00%	0.739%
36	20.179	2904	2909	2911	rBV5	83253	144092	3.20%	0.395%
37	20.209	2912	2914	2917	rVB	110014	116442	2.59%	0.319%
38	20.367	2936	2941	2945	rVV2	152439	220781	4.91%	0.605%
39	20.508	2961	2965	2968	rBV	122138	155947	3.47%	0.427%
40	20.549	2969	2972	2976	rVB	108600	143280	3.19%	0.393%
41	20.961	3038	3042	3049	rVB	154439	242572	5.40%	0.665%
42	21.143	3066	3073	3077	rBV3	102028	245456	5.46%	0.673%
43	21.184	3077	3080	3082	rVV	99236	138038	3.07%	0.378%
44	21.219	3082	3086	3093	rVV3	393668	801027	17.82%	2.196%
45	21.284	3094	3097	3105	rVB2	128953	238558	5.31%	0.654%
46	21.548	3134	3142	3147	rBV3	1074868	2581492	57.42%	7.076%
47	21.595	3147	3150	3163	rVB	563733	928446	20.65%	2.545%
48	21.754	3172	3177	3183	rBV2	97974	182632	4.06%	0.501%
49	21.942	3206	3209	3217	rBV3	50216	93918	2.09%	0.257%
50	22.259	3261	3263	3269	rVB	135532	193123	4.30%	0.529%
51	22.336	3272	3276	3282	rVB2	77277	151695	3.37%	0.416%
52	23.675	3496	3504	3512	rBV	429357	1446997	32.18%	3.966%
53	24.369	3615	3622	3635	rVB	286516	863199	19.20%	2.366%
54	24.510	3639	3646	3660	rVB	394355	1035140	23.02%	2.837%
55	24.656	3663	3671	3678	rBV	519911	1355956	30.16%	3.717%

Sum of corrected areas: 36481307

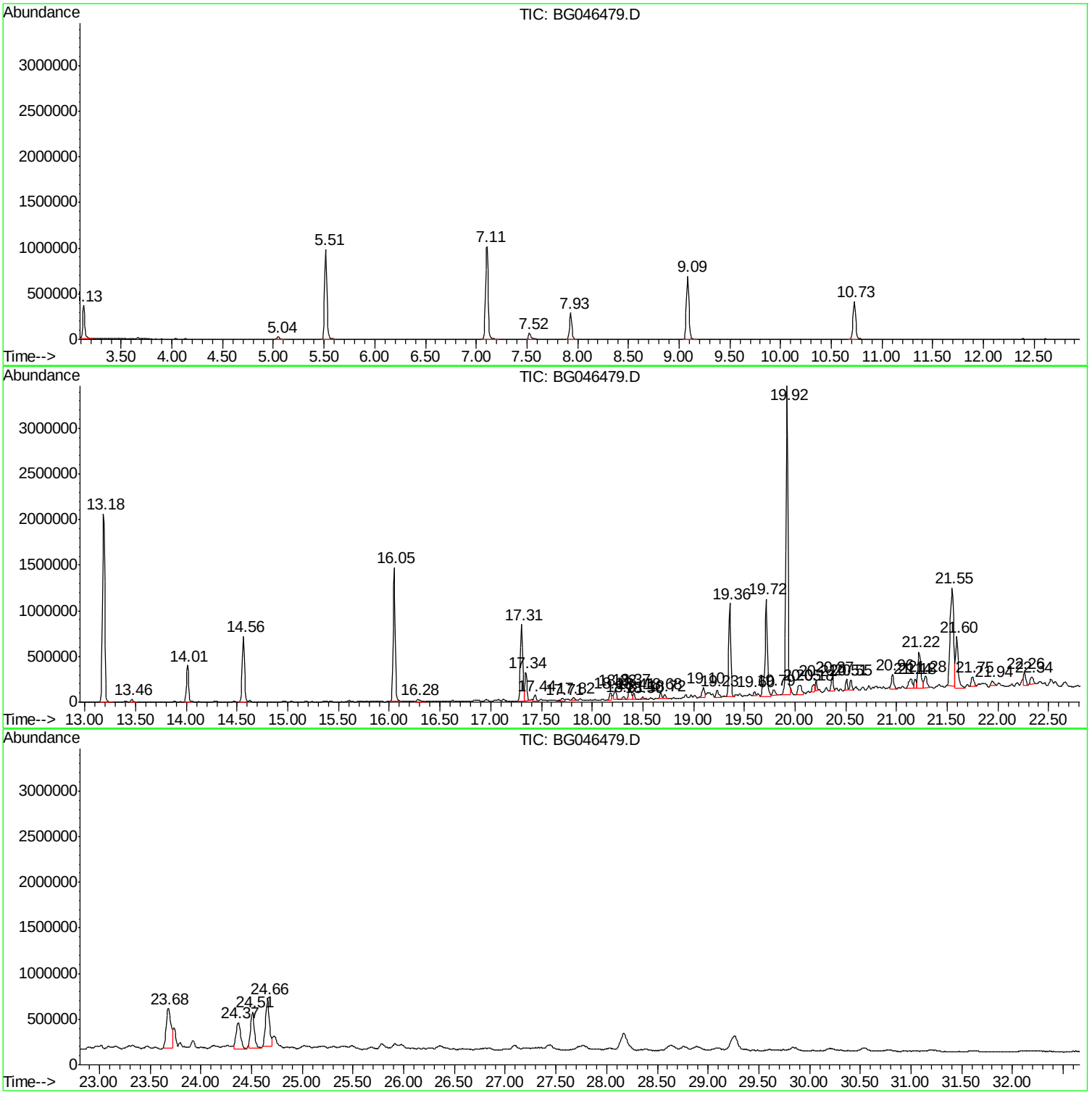
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083120\
Data File : BG046479.D
Acq On : 31 Aug 2020 21:53
Operator : CG/JU
Sample : L3847-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LINDEN-JOP-BH-11-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 : BG046479.D
Acq On : 31 Aug 2020 21:53
Operator : CG/JU
Sample : L3847-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LINDEN-JOP-BH-11-A

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

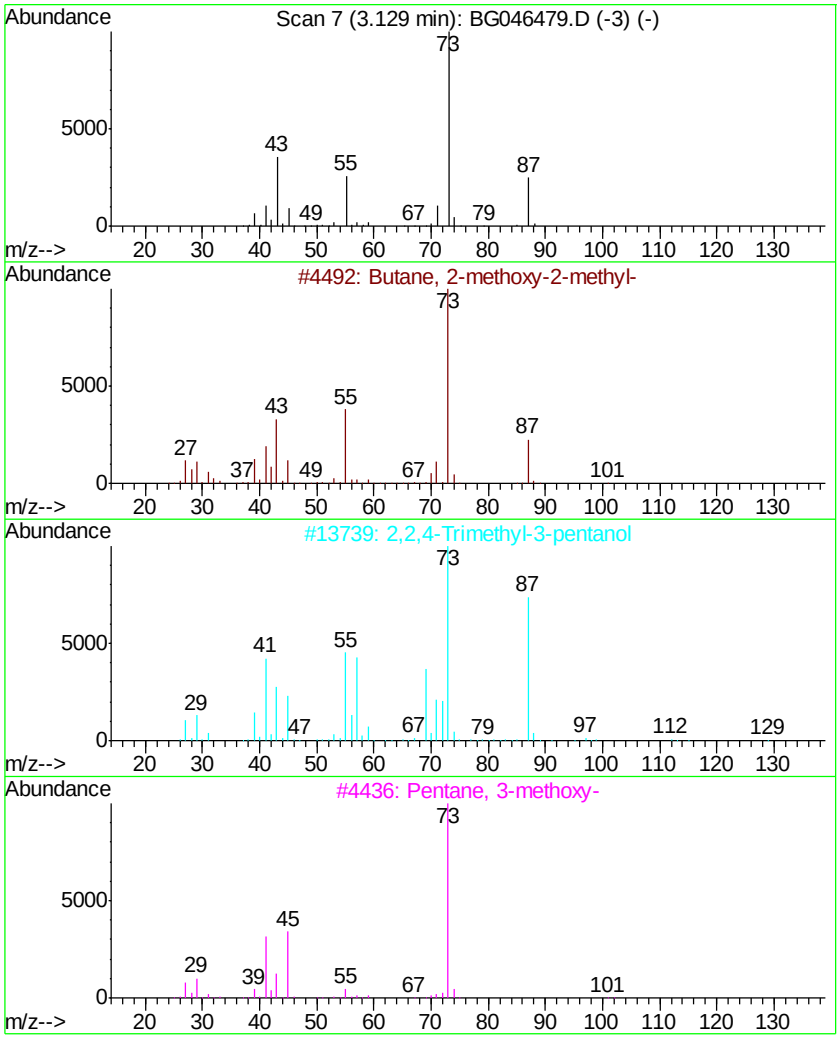
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

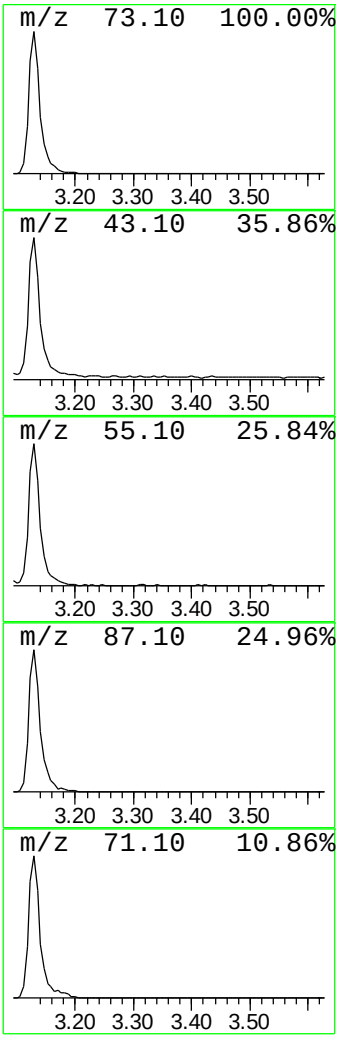
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.13	21.23 ng	508085	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	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083120\
Data File : BG046479.D
Acq On : 31 Aug 2020 21:53
Operator : CG/JU
Sample : L3847-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LINDEN-JOP-BH-11-A

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

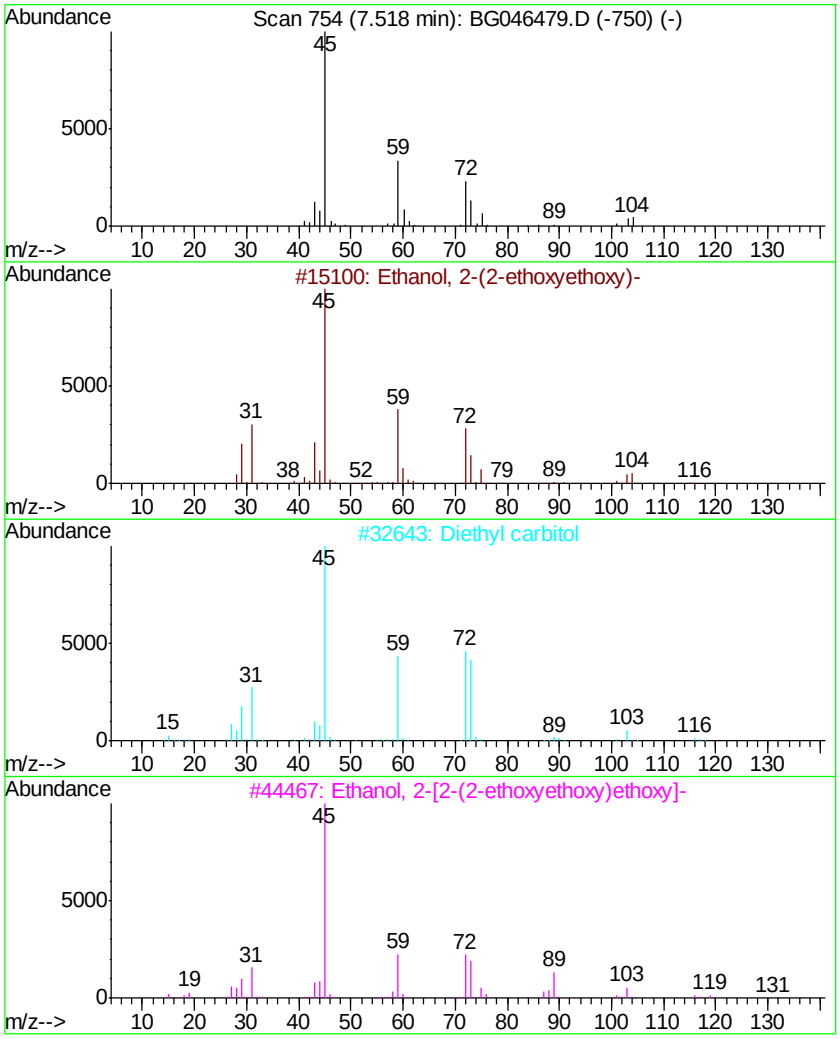
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

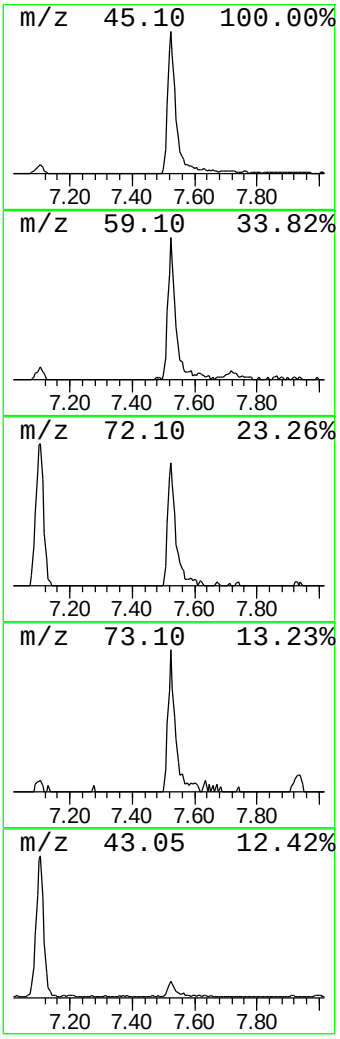
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.52	5.12 ng	122566	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	Diethyl carbitol	162	C8H18O3	000112-36-7	64
3	Ethanol, 2-[2-(2-ethoxyethoxy)et...	178	C8H18O4	000112-50-5	59
4	2-Propanol, 1-(1-methylethoxy)-	118	C6H14O2	003944-36-3	50
5	Ethanol, 2-(2-methoxyethoxy)-	120	C5H12O3	000111-77-3	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083120\
Data File : BG046479.D
Acq On : 31 Aug 2020 21:53
Operator : CG/JU
Sample : L3847-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LINDEN-JOP-BH-11-A

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

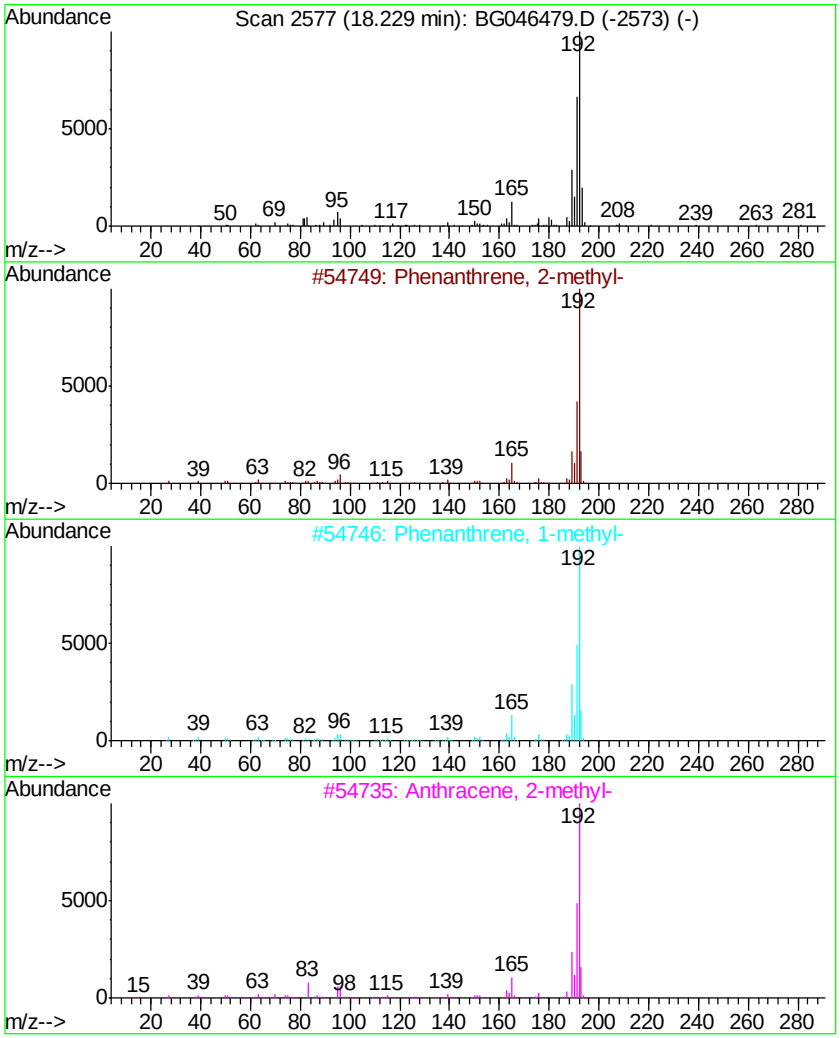
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

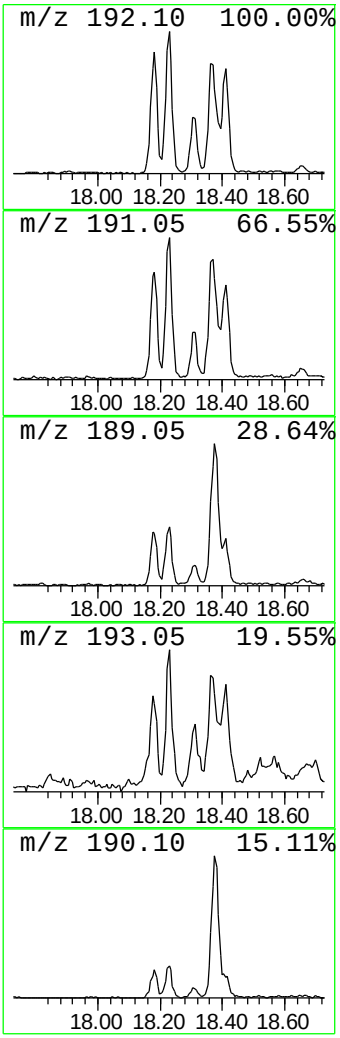
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	2.61 ng	175696	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	87
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083120\
Data File : BG046479.D
Acq On : 31 Aug 2020 21:53
Operator : CG/JU
Sample : L3847-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LINDEN-JOP-BH-11-A

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

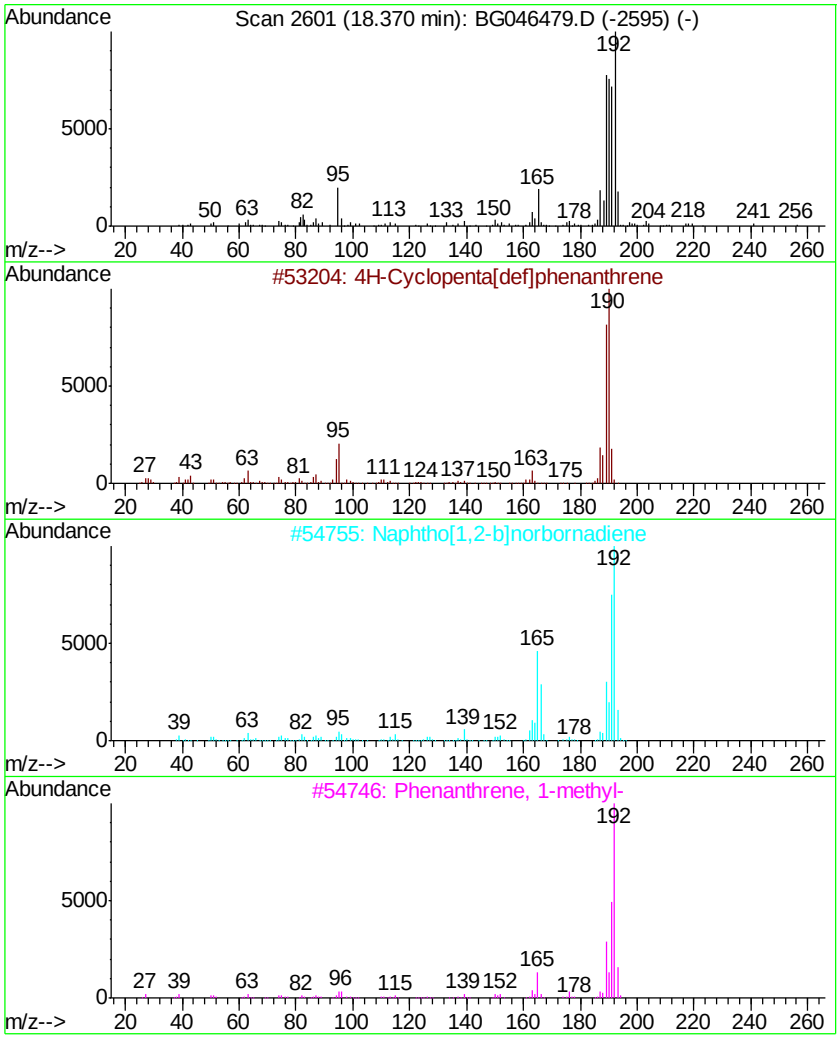
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

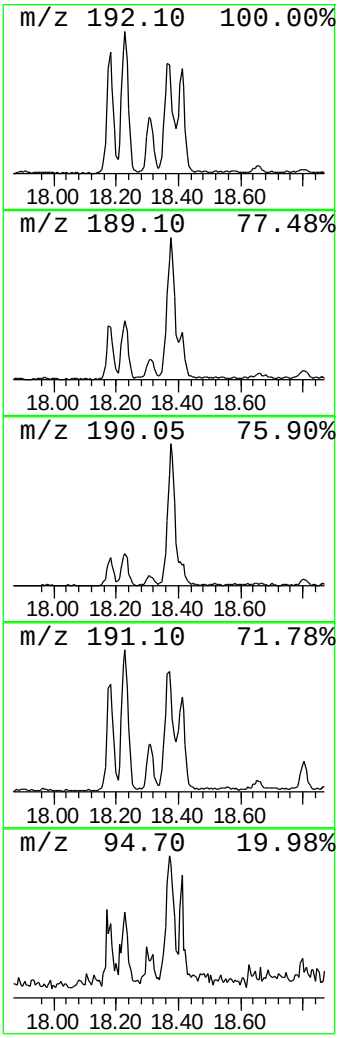
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	3.71 ng	249907	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	46
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42





Library Search Compound Report

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Acq On : 31 Aug 2020 21:53
Operator : CG/JU
Sample : L3847-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LINDEN-JOP-BH-11-A

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

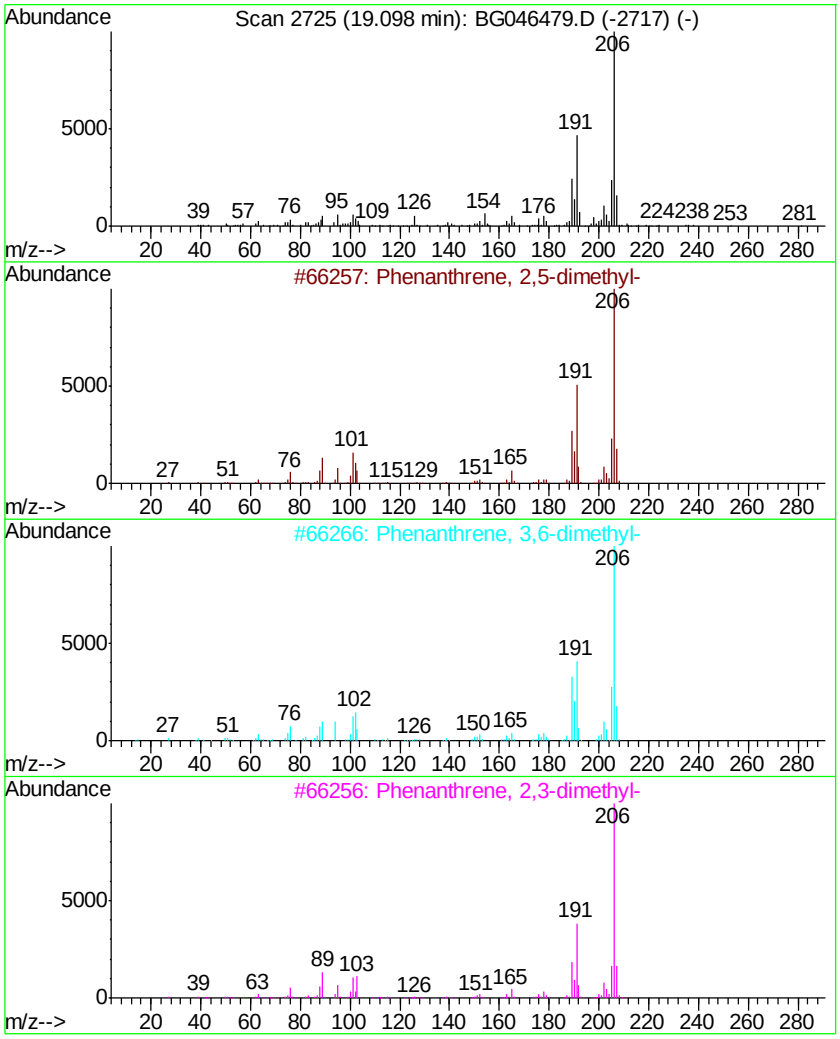
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

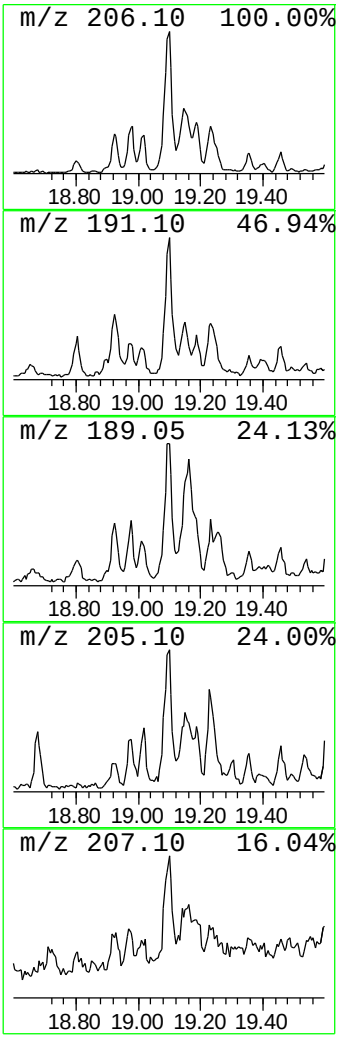
****

Peak Number 5 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	2.80 ng	188853	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	83
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083120\
Data File : BG046479.D
Acq On : 31 Aug 2020 21:53
Operator : CG/JU
Sample : L3847-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LINDEN-JOP-BH-11-A

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

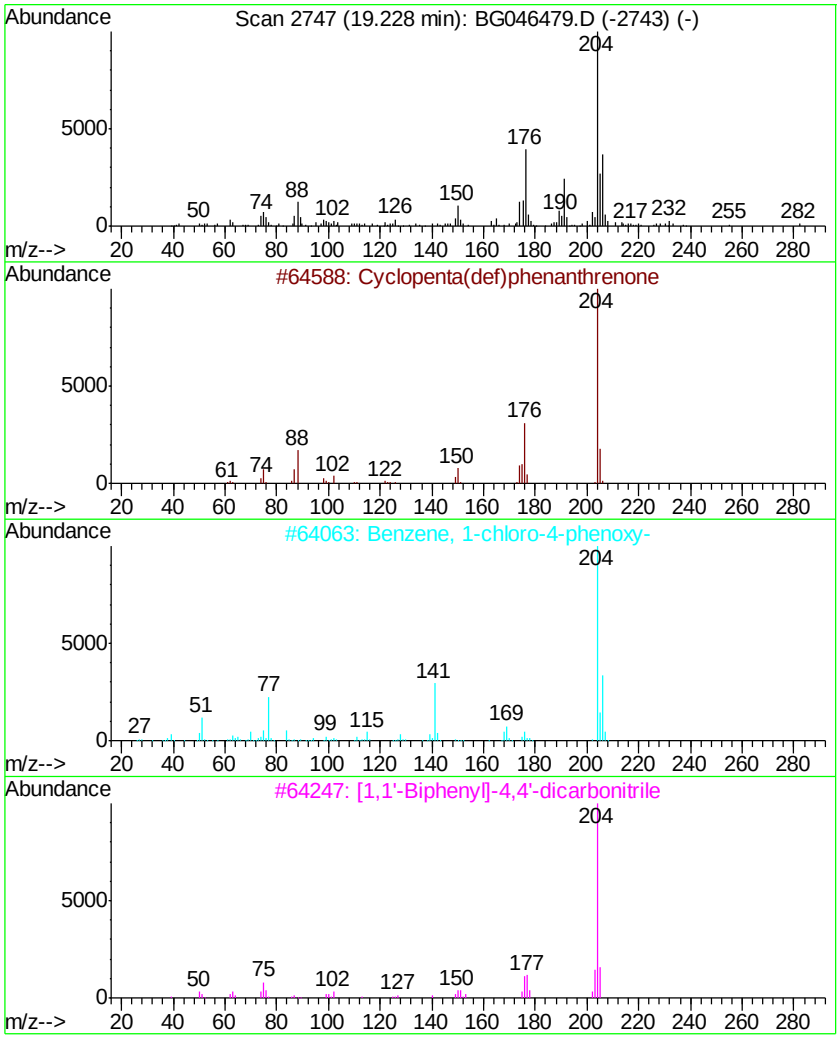
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

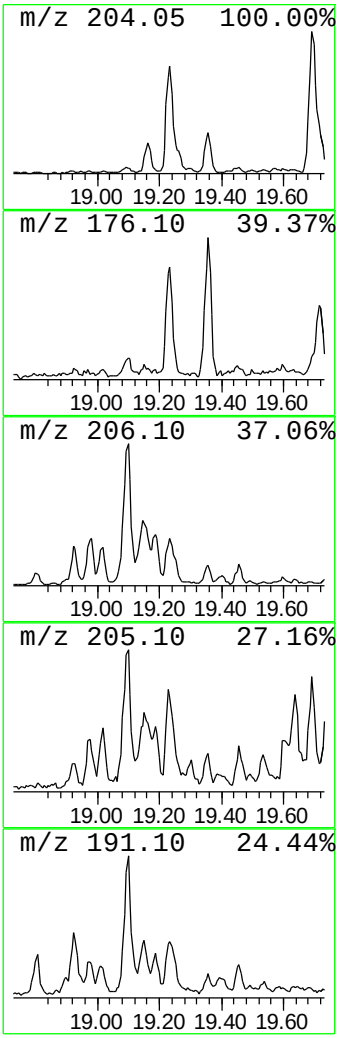
****

Peak Number 6 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	2.06 ng	138767	Phenanthrene-d10	17.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	83
2	Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	47
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
4	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083120\
Data File : BG046479.D
Acq On : 31 Aug 2020 21:53
Operator : CG/JU
Sample : L3847-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LINDEN-JOP-BH-11-A

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

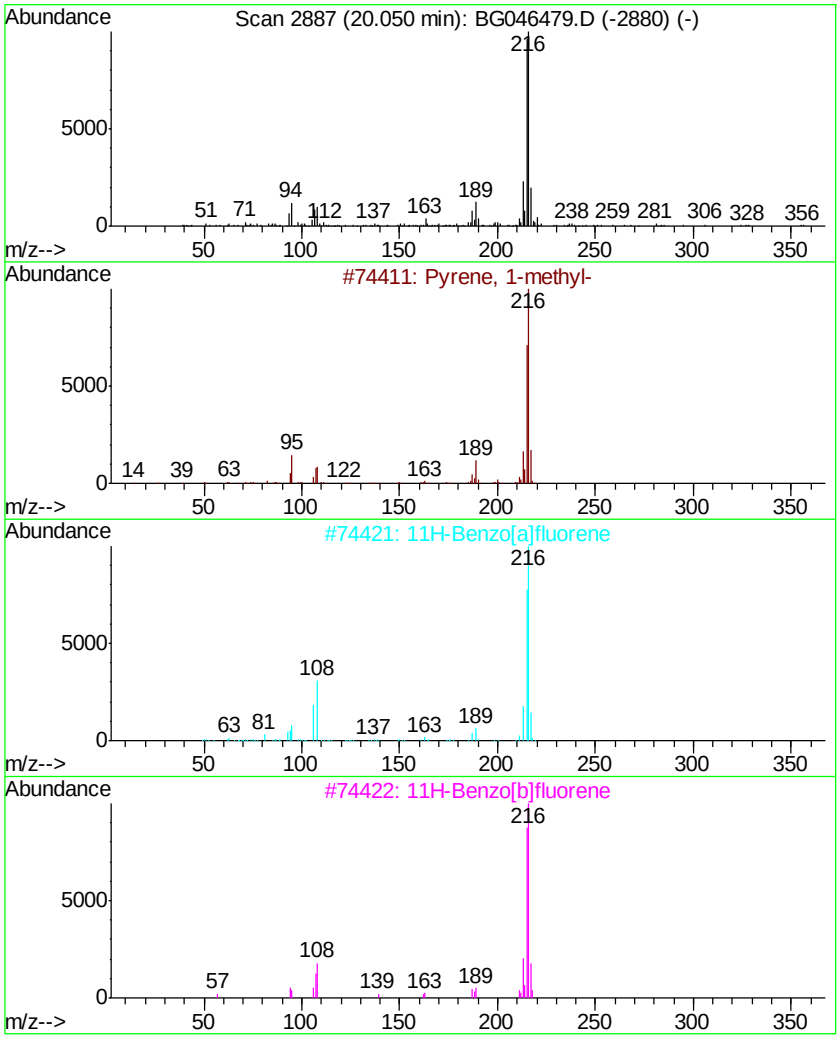
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

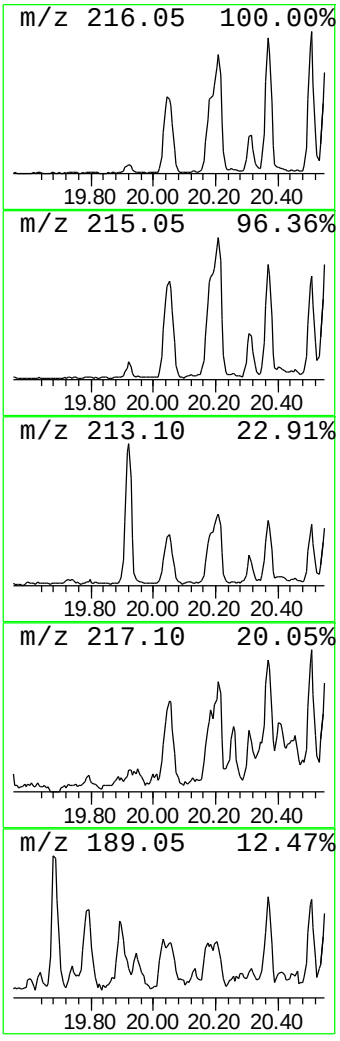
****

Peak Number 7 Pyrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.05	2.09 ng	269667	Chrysene-d12	21.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083120\
Data File : BG046479.D
Acq On : 31 Aug 2020 21:53
Operator : CG/JU
Sample : L3847-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LINDEN-JOP-BH-11-A

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

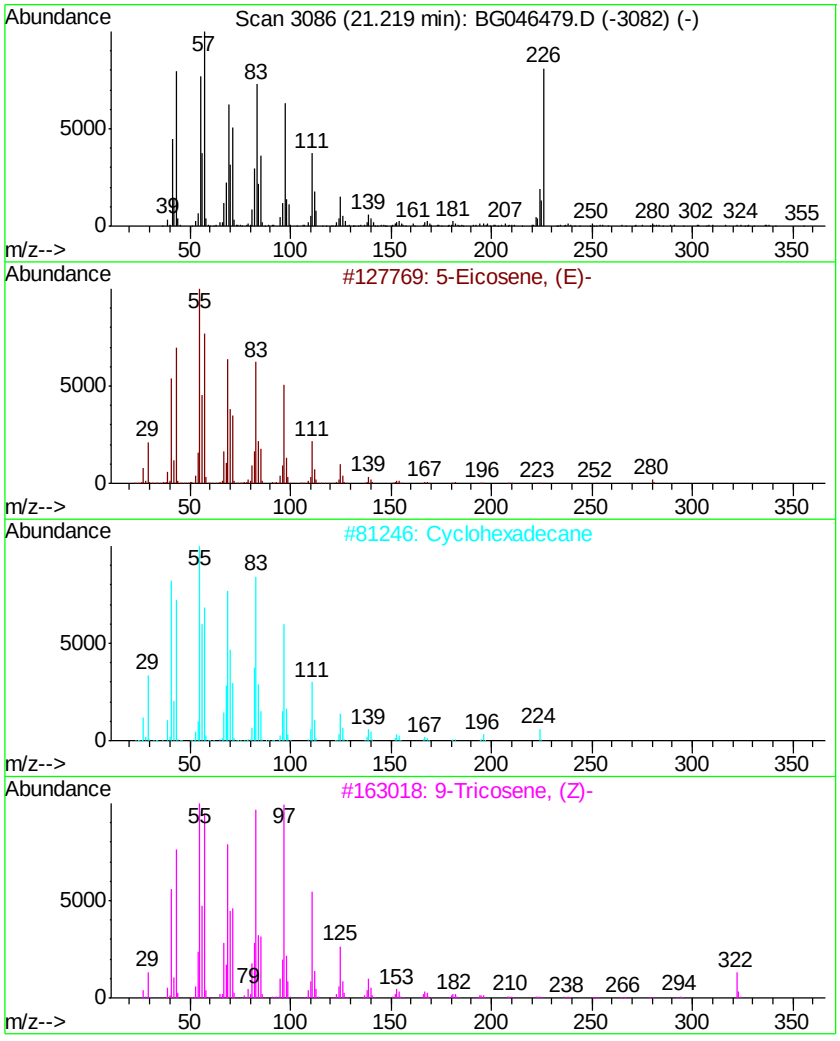
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

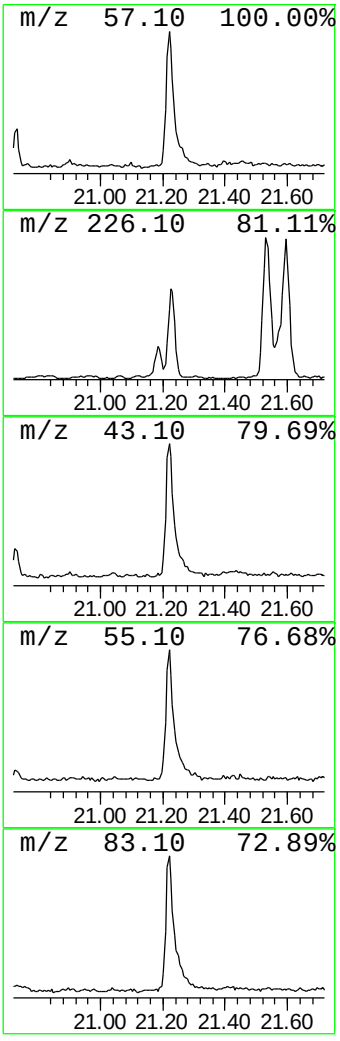
****

Peak Number 8 5-Eicosene, (E)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.22	6.21 ng	801027	Chrysene-d12	21.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	90
2	Cyclohexadecane	224	C16H32	000295-65-8	90
3	9-Tricosene, (Z)-	322	C23H46	027519-02-4	87
4	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	60
5	Cyclotetracosane	336	C24H48	000297-03-0	60





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083120\
Data File : BG046479.D
Acq On : 31 Aug 2020 21:53
Operator : CG/JU
Sample : L3847-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LINDEN-JOP-BH-11-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

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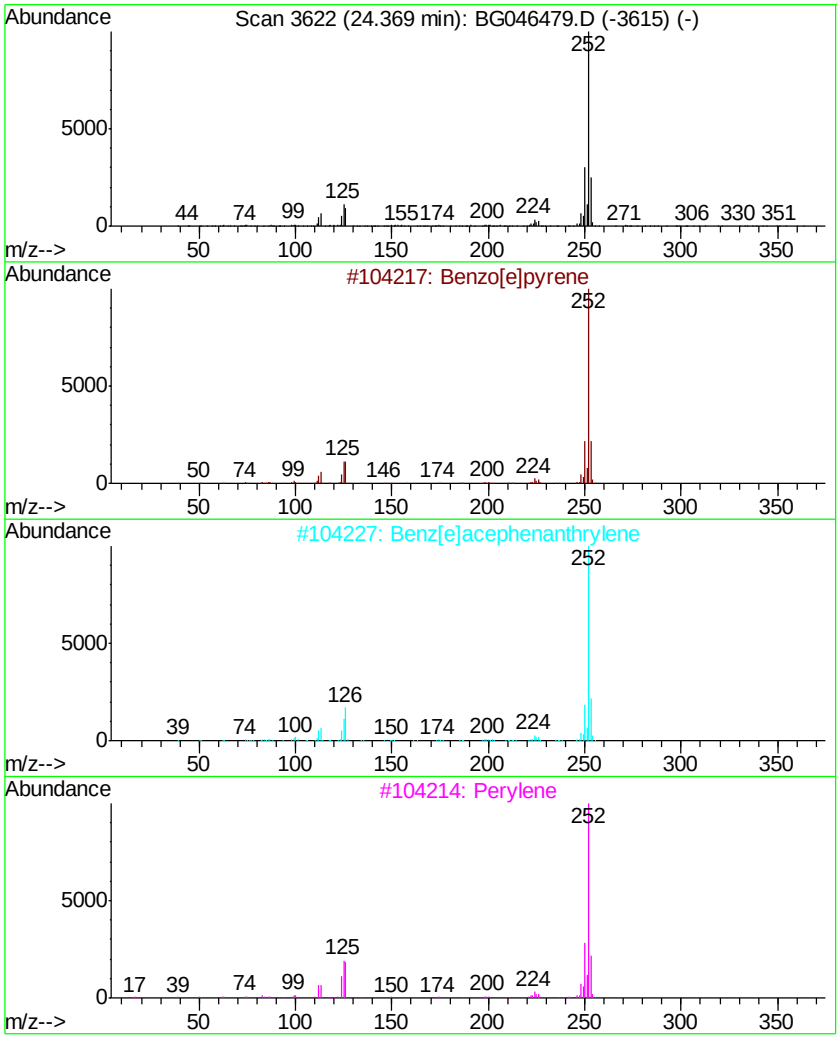
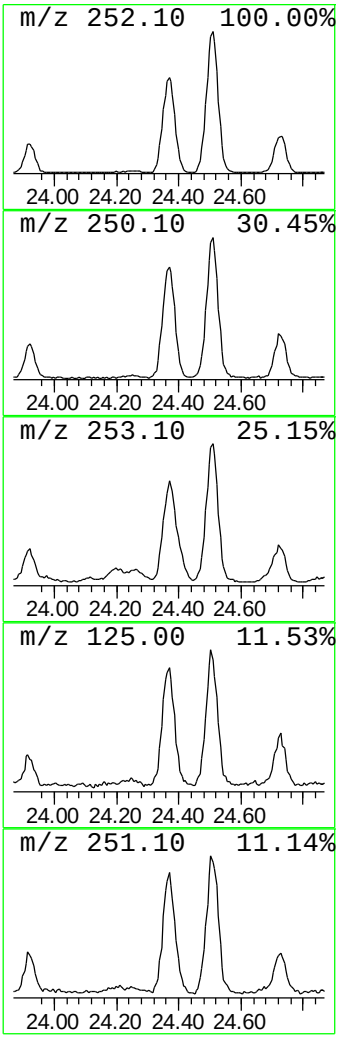
Peak Number 9 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.37	12.73 ng	863199	Perylene-d12	24.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Perylene	252	C20H12	000198-55-0	91
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG083120\
Data File : BG046479.D
Acq On : 31 Aug 2020 21:53
Operator : CG/JU
Sample : L3847-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LINDEN-JOP-BH-11-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	21.2	ng	508085	1	7.93	478671	20.0
Ethanol, 2-(2-eth...	7.52	5.1	ng	122566	1	7.93	478671	20.0
Phenanthrene, 2-m...	18.23	2.6	ng	175696	4	17.31	1346960	20.0
4H-Cyclopenta[def...	18.37	3.7	ng	249907	4	17.31	1346960	20.0
Phenanthrene, 2,5...	19.10	2.8	ng	188853	4	17.31	1346960	20.0
Cyclopenta(def)ph...	19.23	2.1	ng	138767	4	17.31	1346960	20.0
Pyrene, 1-methyl-	20.05	2.1	ng	269667	5	21.55	2581490	20.0
5-Eicosene, (E)-	21.22	6.2	ng	801027	5	21.55	2581490	20.0
Benzo[e]pyrene	24.37	12.7	ng	863199	6	24.66	1355960	20.0