LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083120\
Data File : BG046477.D
Acq On : 31 Aug 2020 20:32
Operator : CG/JU
Sample : L3847-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LINDEN-JOP-BH-10-C

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	3.130	3	7	19	rVB	223830	323521	8.20%	1.013%
2	5.045	328	333	341	rBV	32811	50777	1.29%	0.159%
3	5.515	406	413	425	rBV	700079	1114058	28.22%	3.487%
4	7.102	675	683	699	rBV	696047	1211925	30.70%	3.793%
5	7.930	817	824	832	rBV	228020	381476	9.66%	1.194%
6	9.082	1012	1020	1034	rBV	446566	815503	20.66%	2.553%
7	10.727	1292	1300	1306	rBV	315234	570115	14.44%	1.784%
8	13.183	1710	1718	1732	rBV	1415235	2209183	55.96%	6.915%
9	14.011	1853	1859	1865	rBV	42607	63477	1.61%	0.199%
10	14.558	1944	1952	1959	rBV	567603	914623	23.17%	2.863%
11	14.622	1959	1963	1970	rVB	54769	84139	2.13%	0.263%
12	14.957	2015	2020	2030	rBV	38199	61625	1.56%	0.193%
13	15.609	2125	2131	2139	rBV	70952	110952	2.81%	0.347%
14	16.050	2199	2206	2217	rBV	1097944	1714965	43.44%	5.368%
15	16.961	2355	2361	2369	rVB	27786	47427	1.20%	0.148%
16	17.125	2384	2389	2400	rVB	50128	81059	2.05%	0.254%
17	17.301	2413	2419	2423	rBV	810629	1258929	31.89%	3.940%
18	17.343	2423	2426	2433	rVV	892824	1314020	33.29%	4.113%
19	17.437	2433	2442	2448	rVB	171256	277161	7.02%	0.868%
20	17.701	2478	2487	2492	rBV2	74495	135412	3.43%	0.424%
21	18.183	2560	2569	2572	rBV	108307	184698	4.68%	0.578%
22	18.230	2572	2577	2584	rVV	151106	250606	6.35%	0.784%
23	18.306	2585	2590	2595	rVV	46627	70219	1.78%	0.220%
24	18.377	2595	2602	2605	rVV2	154216	289146	7.32%	0.905%
25	18.412	2605	2608	2614	rVB	77867	109738	2.78%	0.343%
26	18.676	2647	2653	2656	rBV	81855	113249	2.87%	0.354%
27	18.712	2656	2659	2665	rVB	52454	77214	1.96%	0.242%
28	19.093	2719	2724	2728	rBV	62645	99188	2.51%	0.310%
29	19.158	2728	2735	2738	rVV5	21941	48449	1.23%	0.152%
30	19.235	2743	2748	2756	rVB3	46037	92338	2.34%	0.289%
31	19.358	2762	2769	2775	rBV	1192582	1704195	43.17%	5.334%
32	19.452	2782	2785	2790	rVB4	29550	39611	1.00%	0.124%
33	19.552	2796	2802	2805	rBV4	22182	42337	1.07%	0.133%
34	19.599	2806	2810	2814	rVB	35101	51238	1.30%	0.160%

LSC Area Percent Report

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Data File : BG046477.D
Acq On : 31 Aug 2020 20:32
Operator : CG/JU
Sample : L3847-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LINDEN-JOP-BH-10-C

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	19.716	2820	2830	2838	rBV	1050785	1764973	44.71%	5.524%
36	19.787	2838	2842	2849	rVB3	46449	83300	2.11%	0.261%
37	19.916	2854	2864	2869	rBV	2821632	3947655	100.00%	12.356%
38	20.045	2879	2886	2892	rBV4	69114	172504	4.37%	0.540%
39	20.175	2904	2908	2909	rBV2	43984	51890	1.31%	0.162%
40	20.210	2910	2914	2918	rVB	124320	171744	4.35%	0.538%
41	20.310	2926	2931	2935	rBV	79736	109412	2.77%	0.342%
42	20.368	2935	2941	2945	rVV2	88829	146736	3.72%	0.459%
43	20.504	2961	2964	2968	rBV	55207	71519	1.81%	0.224%
44	20.551	2968	2972	2976	rVV2	66376	95193	2.41%	0.298%
45	20.603	2979	2981	2986	rVB3	38330	42588	1.08%	0.133%
46	20.962	3038	3042	3049	rVB	80017	130103	3.30%	0.407%
47	21.144	3066	3073	3076	rBV3	70465	140852	3.57%	0.441%
48	21.185	3076	3080	3083	rVV	79789	125090	3.17%	0.392%
49	21.226	3083	3087	3094	rVV2	198793	434113	11.00%	1.359%
50	21.285	3094	3097	3108	rVB2	86347	157785	4.00%	0.494%
51	21.544	3133	3141	3146	rBV3	989871	2259151	57.23%	7.071%
52	21.596	3146	3150	3164	rVB	428103	753712	19.09%	2.359%
53	21.743	3171	3175	3182	rBV4	68685	128841	3.26%	0.403%
54	21.943	3204	3209	3216	rBV2	56905	117219	2.97%	0.367%
55	22.131	3236	3241	3246	rBV	79438	121671	3.08%	0.381%
56	22.260	3259	3263	3269	rVB	67756	119160	3.02%	0.373%
57	22.331	3272	3275	3280	rVB3	39604	69935	1.77%	0.219%
58	22.525	3304	3308	3311	rBV2	29490	46577	1.18%	0.146%
59	23.541	3478	3481	3488	rVB	35650	60316	1.53%	0.189%
60	23.670	3495	3503	3510	rBV2	295853	930666	23.58%	2.913%
61	23.917	3541	3545	3553	rVB	56740	114810	2.91%	0.359%
62	24.364	3614	3621	3635	rVB	185104	517640	13.11%	1.620%
63	24.499	3636	3644	3658	rVB	250456	702549	17.80%	2.199%
64	24.652	3660	3670	3678	rBV	539873	1463926	37.08%	4.582%
65	28.148	4256	4265	4286	rVB4	120553	561991	14.24%	1.759%
66	29.240	4437	4451	4464	rBV2	95538	422858	10.71%	1.324%

Sum of corrected areas: 31949052

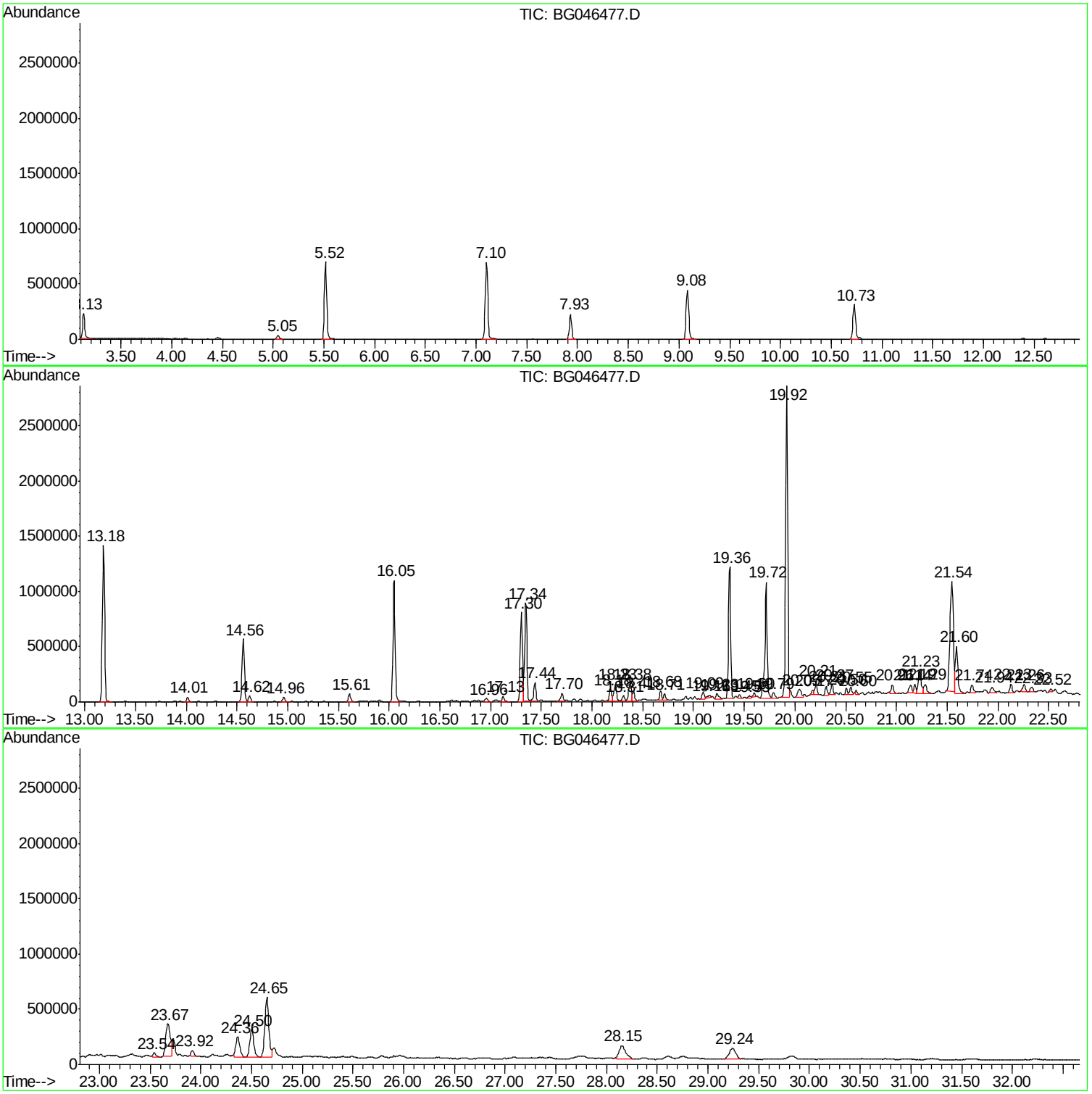
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083120\
Data File : BG046477.D
Acq On : 31 Aug 2020 20:32
Operator : CG/JU
Sample : L3847-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LINDEN-JOP-BH-10-C

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 : BG046477.D
Acq On : 31 Aug 2020 20:32
Operator : CG/JU
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LINDEN-JOP-BH-10-C

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

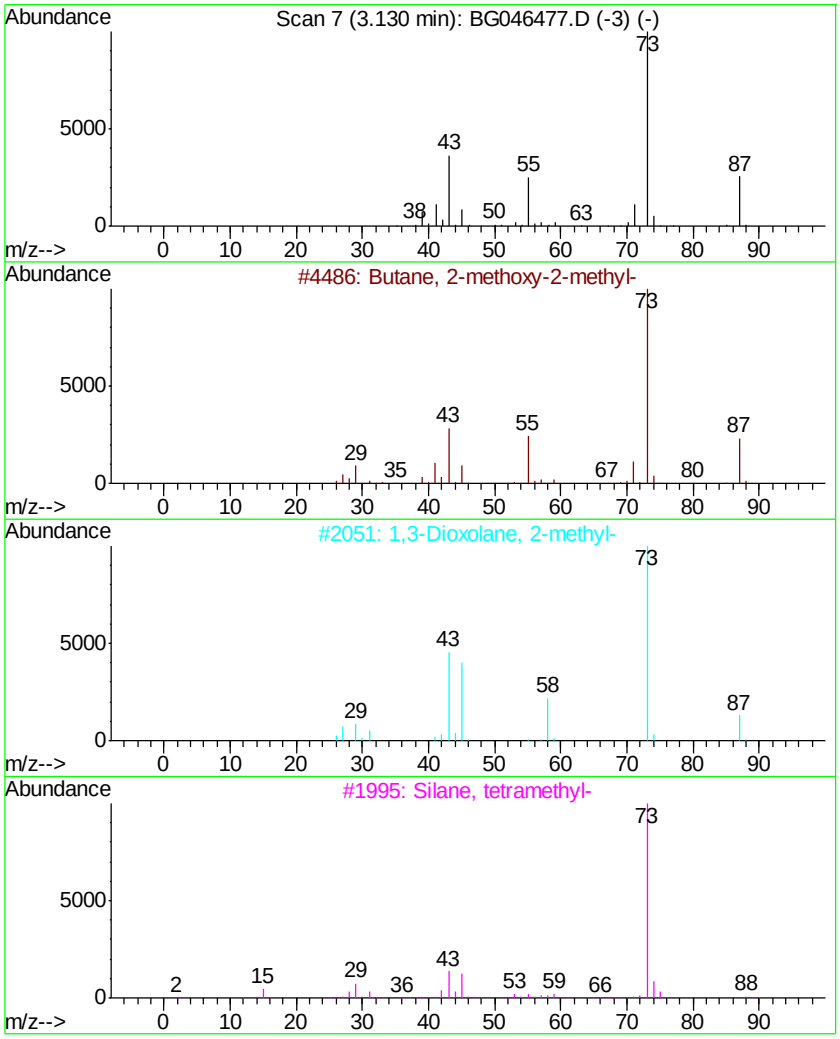
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

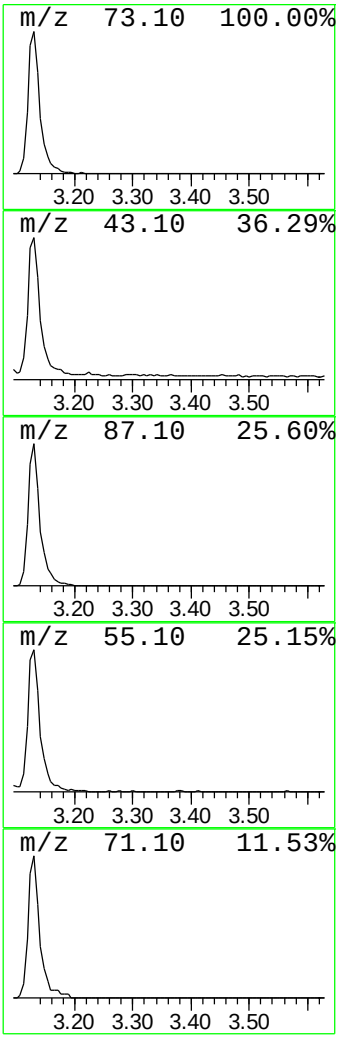
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.13	16.96 ng	323521	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	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	32
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083120\
Data File : BG046477.D
Acq On : 31 Aug 2020 20:32
Operator : CG/JU
Sample : L3847-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LINDEN-JOP-BH-10-C

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

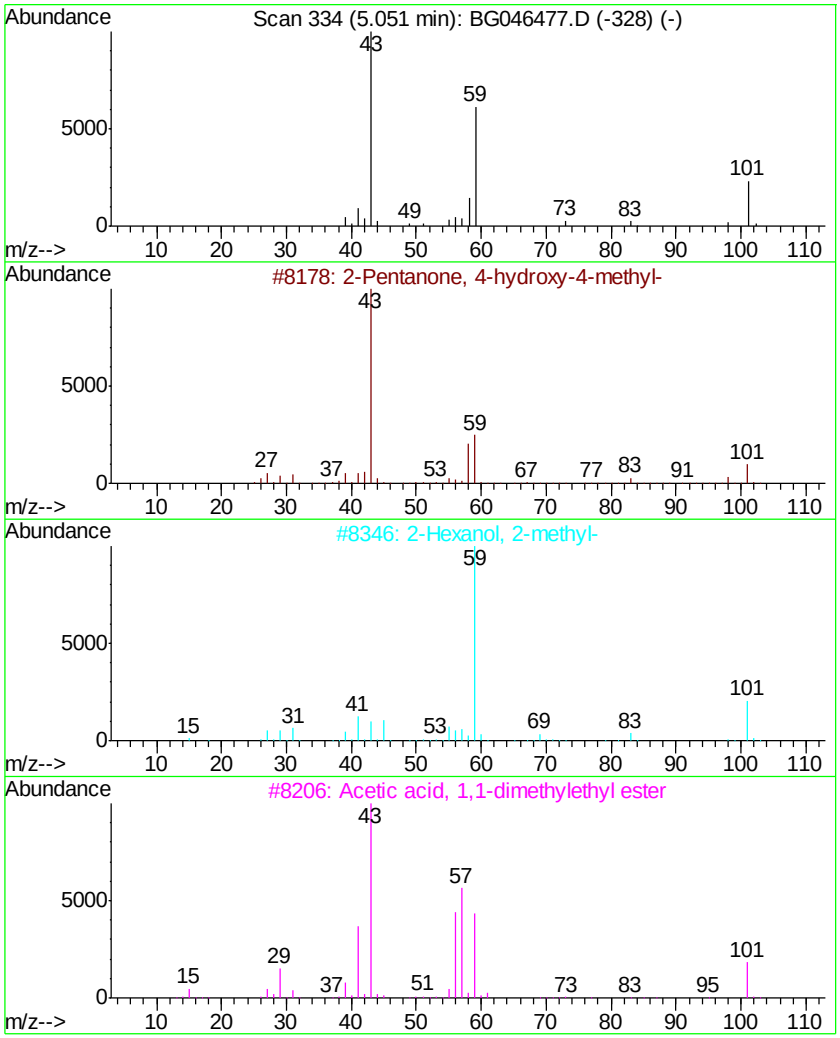
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

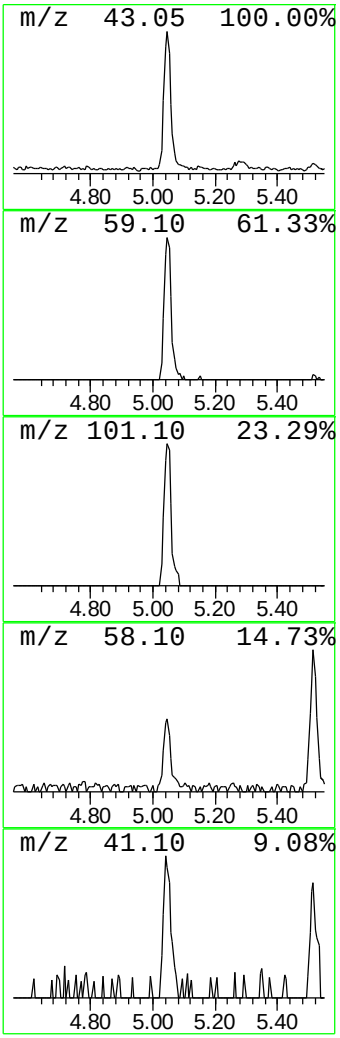
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	2.66 ng	50777	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	45
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	40
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
4	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	35
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	23





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083120\
Data File : BG046477.D
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Sample : L3847-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LINDEN-JOP-BH-10-C

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

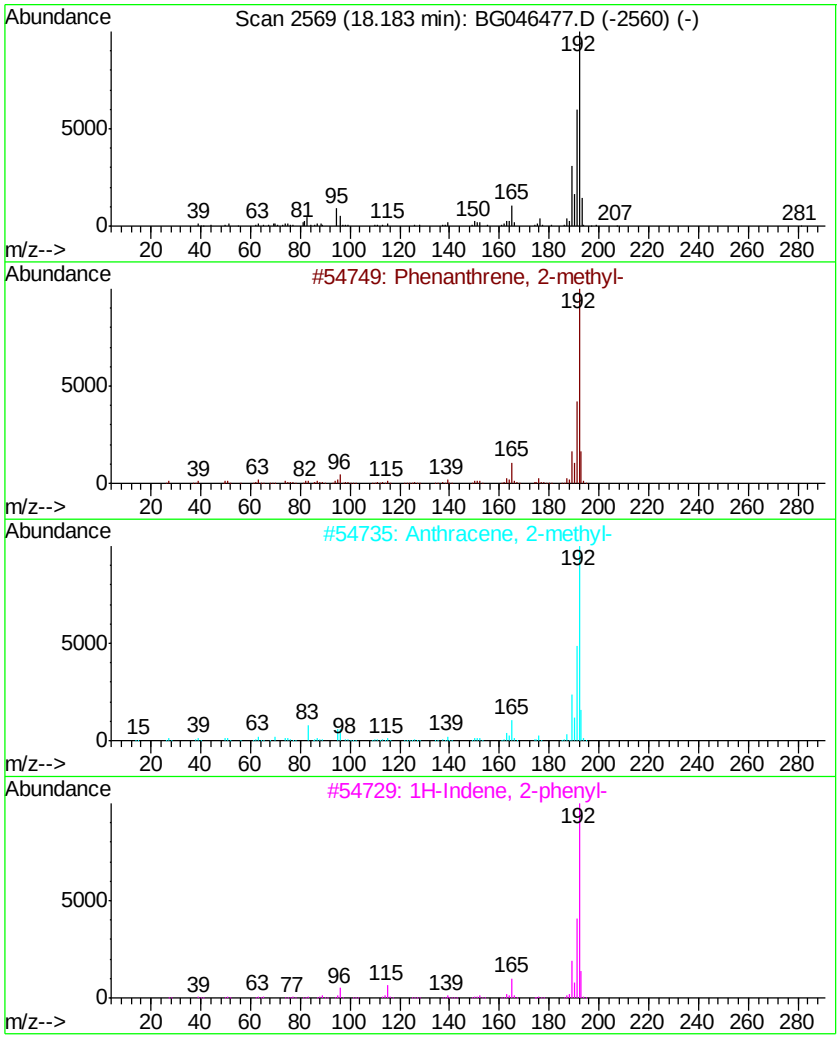
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

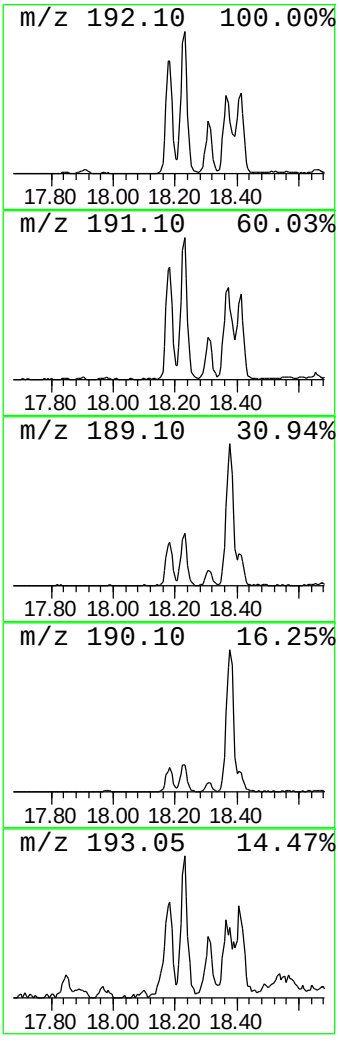
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	2.93 ng	184698	Phenanthrene-d10	17.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083120\
Data File : BG046477.D
Acq On : 31 Aug 2020 20:32
Operator : CG/JU
Sample : L3847-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LINDEN-JOP-BH-10-C

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

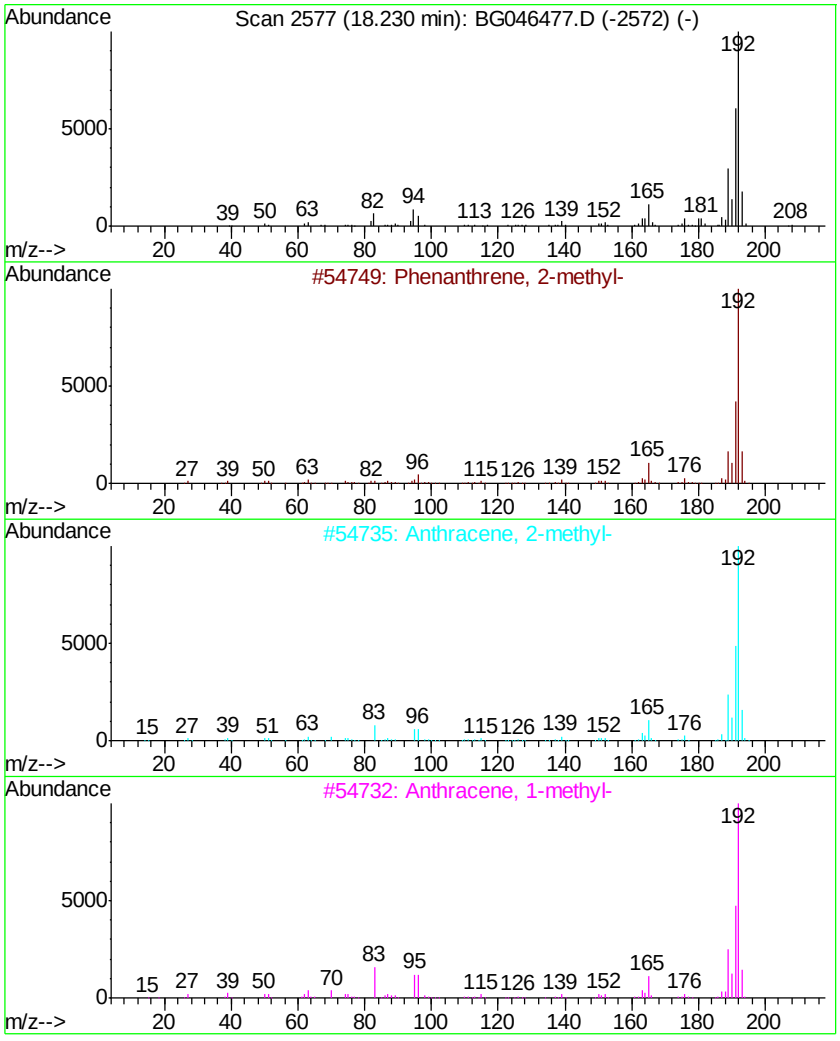
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

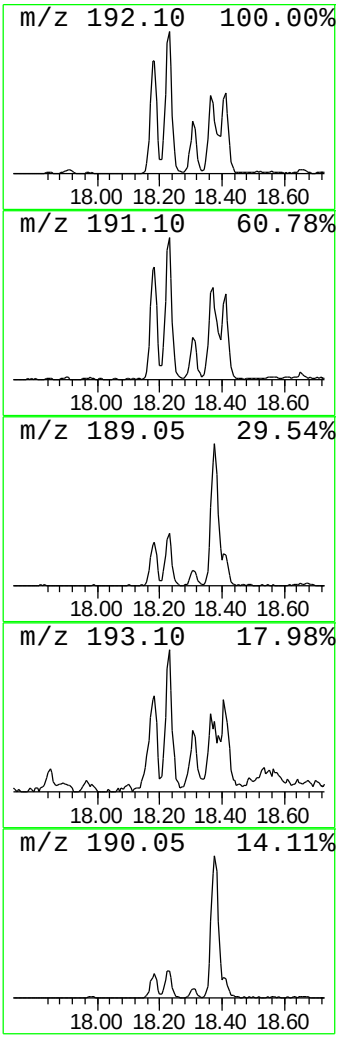
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	3.98 ng	250606	Phenanthrene-d10	17.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083120\
Data File : BG046477.D
Acq On : 31 Aug 2020 20:32
Operator : CG/JU
Sample : L3847-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LINDEN-JOP-BH-10-C

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

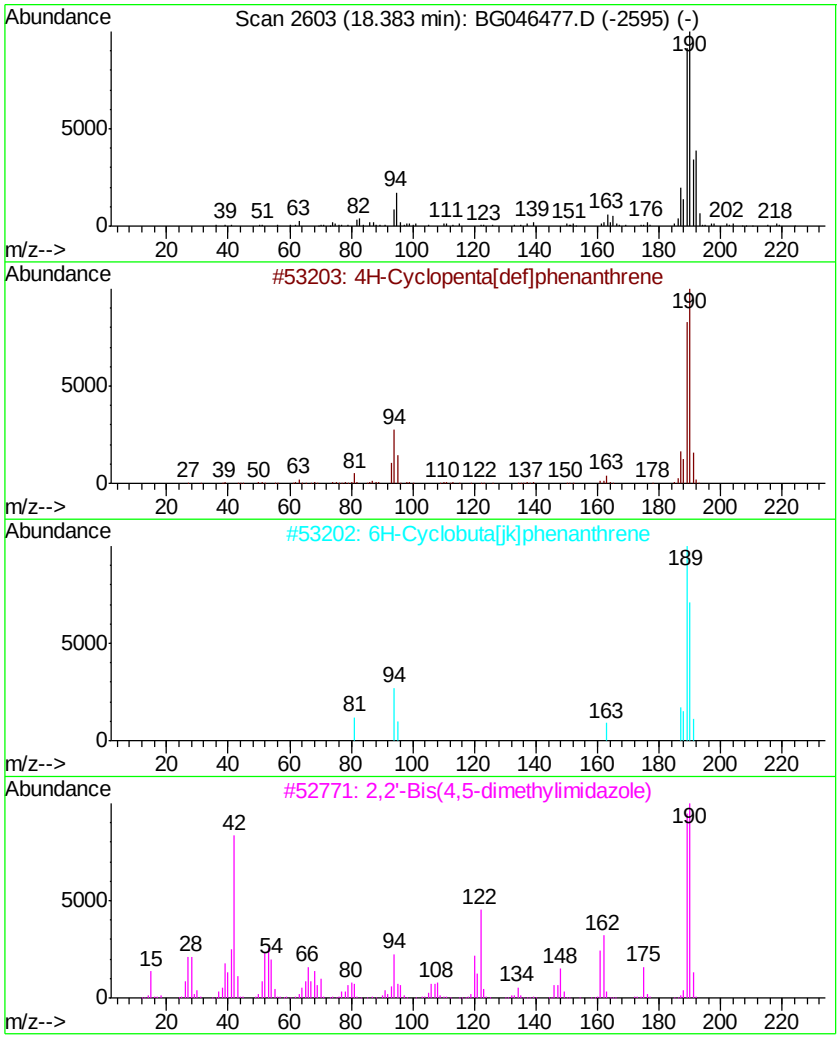
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

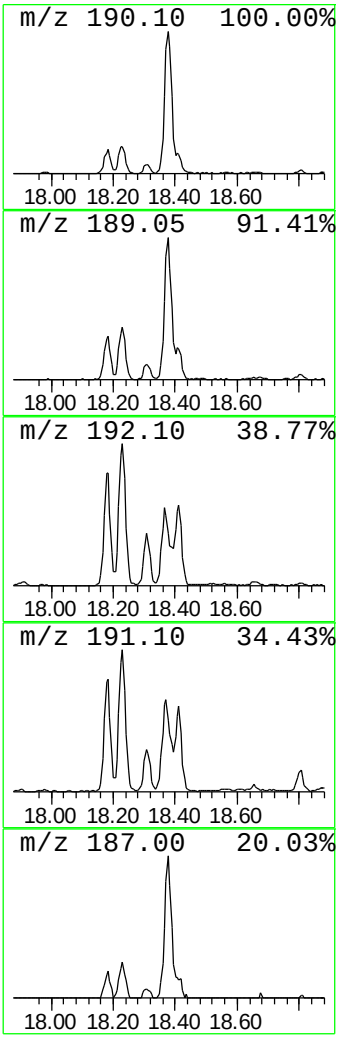
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	4.59 ng	289146	Phenanthrene-d10	17.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
4	Carbonic acid, isobutyl 2-formyl...	290	C12H12Cl2O4	1000331-40-8	23
5	Hydrazinecarboxaldehyde, 2-[3-(m...	190	C4H6N4OS2	038362-25-3	14





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083120\
Data File : BG046477.D
Acq On : 31 Aug 2020 20:32
Operator : CG/JU
Sample : L3847-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LINDEN-JOP-BH-10-C

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

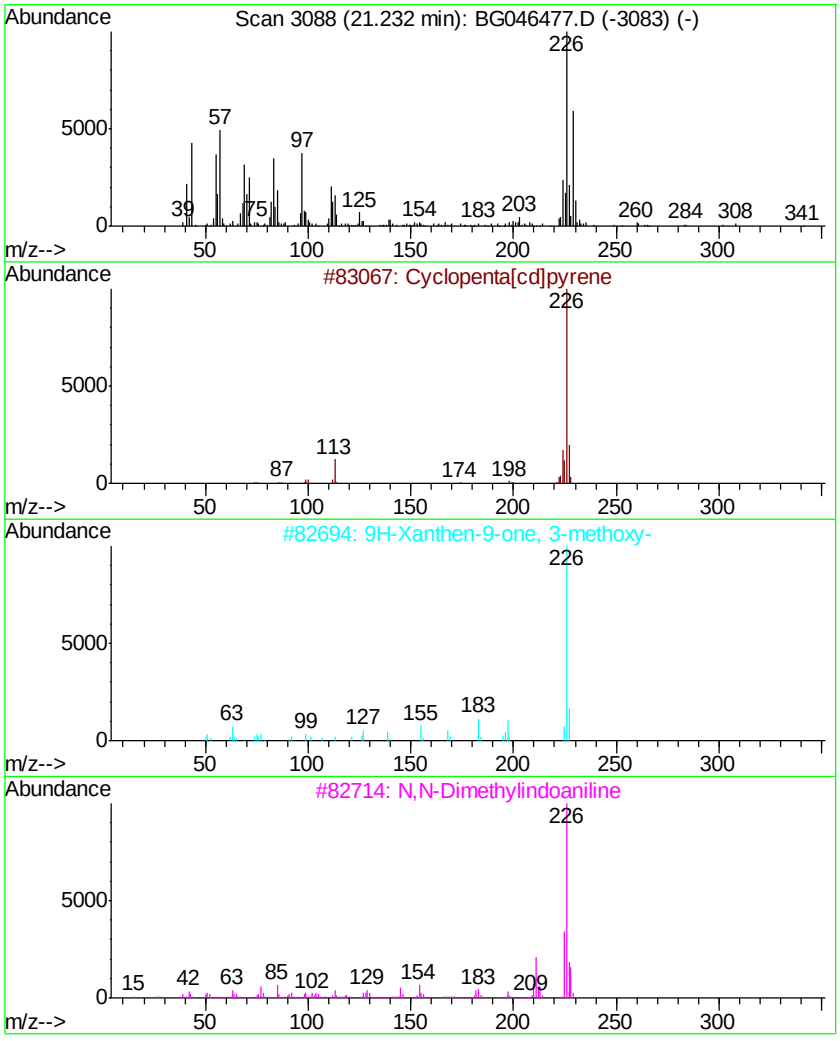
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

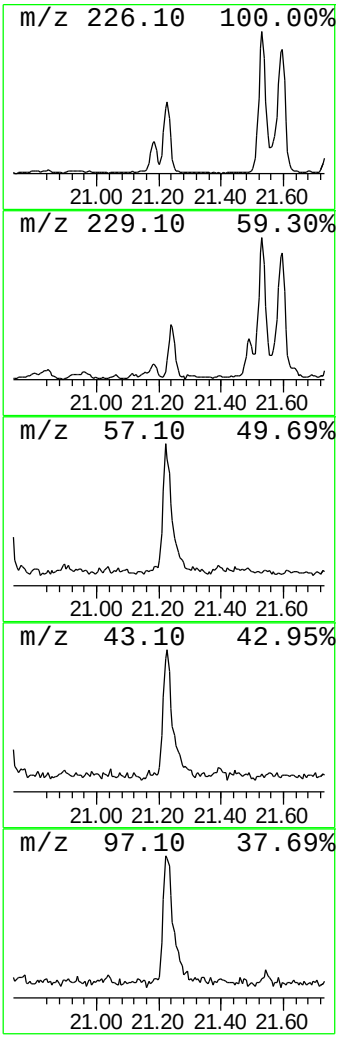
****

Peak Number 6 Cyclopenta[cd]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.23	3.84 ng	434113	Chrysene-d12	21.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	55
2	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	38
3	N,N-Dimethylindoaniline	226	C14H14N2O	002150-58-5	35
4	Diheptylisobutylamine	269	C18H39N	1000310-32-0	35
5	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083120\
Data File : BG046477.D
Acq On : 31 Aug 2020 20:32
Operator : CG/JU
Sample : L3847-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LINDEN-JOP-BH-10-C

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

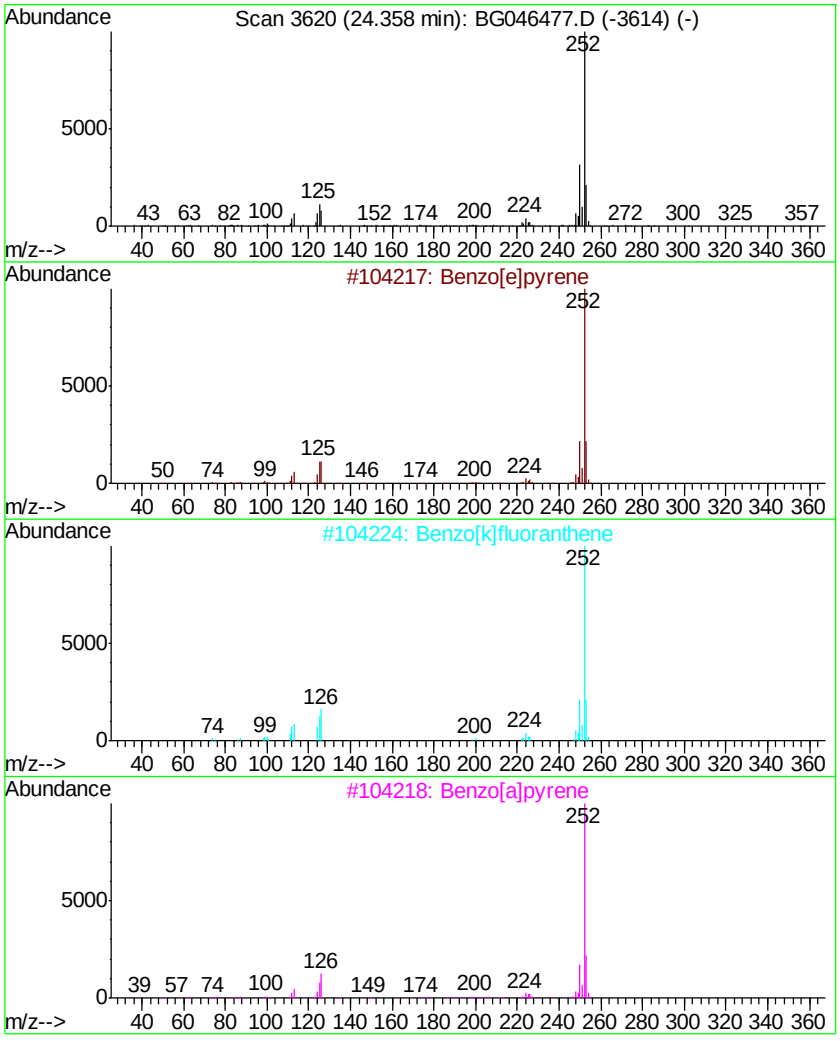
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

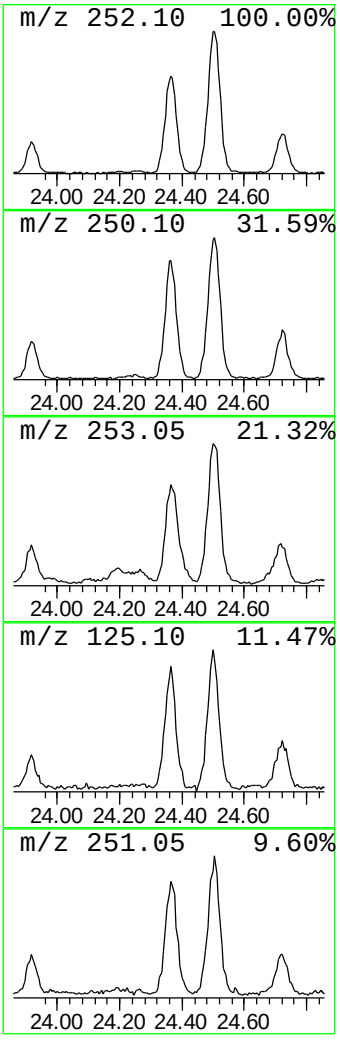
****

Peak Number 7 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.36	7.07 ng	517640	Perylene-d12	24.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Perylene	252	C20H12	000198-55-0	94
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG083120\
Data File : BG046477.D
Acq On : 31 Aug 2020 20:32
Operator : CG/JU
Sample : L3847-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LINDEN-JOP-BH-10-C

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	17.0	ng	323521	1	7.93	381476	20.0
2-Pentanone, 4-hy...	5.05	2.7	ng	50777	1	7.93	381476	20.0
Phenanthrene, 2-m...	18.18	2.9	ng	184698	4	17.30	1258930	20.0
Anthracene, 2-met...	18.23	4.0	ng	250606	4	17.30	1258930	20.0
4H-Cyclopenta[def...	18.38	4.6	ng	289146	4	17.30	1258930	20.0
Cyclopenta[cd]pyrene	21.23	3.8	ng	434113	5	21.55	2259150	20.0
Perylene	24.36	7.1	ng	517640	6	24.65	1463930	20.0