LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120120\
Data File : BG047491.D
Acq On : 1 Dec 2020 9:32
Operator : CG/JU
Sample : L4793-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B31

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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\SOM-EPA-BG111920MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.555	35	37	41	rVB3	3225	3516	0.24%	0.027%
2	3.602	41	45	47	rBV3	3276	4932	0.34%	0.038%
3	3.731	64	67	72	rVB3	2448	3787	0.26%	0.029%
4	4.049	117	121	127	rVB6	3136	5237	0.36%	0.040%
5	4.143	133	137	145	rVB2	15203	25621	1.78%	0.197%
6	4.219	148	150	156	rVB3	3712	4451	0.31%	0.034%
7	4.290	159	162	163	rBV3	3225	3151	0.22%	0.024%
8	4.454	187	190	195	rVB2	2841	3194	0.22%	0.025%
9	5.095	297	299	304	rBV2	2057	3417	0.24%	0.026%
10	5.324	335	338	342	rBV3	1824	3189	0.22%	0.025%
11	6.234	488	493	494	rVV4	4068	6619	0.46%	0.051%
12	6.252	494	496	500	rVB	3698	4100	0.28%	0.032%
13	7.398	683	691	701	rBV4	41212	104500	7.26%	0.805%
14	7.574	715	721	727	rBV	25311	45257	3.15%	0.348%
15	7.791	751	758	766	rVB3	43223	74095	5.15%	0.570%
16	8.267	831	839	848	rBV2	124698	215810	15.00%	1.662%
17	8.955	947	956	963	rVV5	39452	74078	5.15%	0.570%
18	9.084	975	978	980	rBV	3098	3448	0.24%	0.027%
19	9.437	1031	1038	1043	rVB2	38600	74075	5.15%	0.570%
20	10.089	1144	1149	1152	rBV	2138	3901	0.27%	0.030%
21	10.165	1154	1162	1167	rBV3	36629	67307	4.68%	0.518%
22	10.700	1247	1253	1259	rBV2	51242	91735	6.38%	0.706%
23	11.093	1312	1320	1328	rBV	151545	276204	19.20%	2.127%
24	11.217	1336	1341	1349	rVB4	23583	44034	3.06%	0.339%
25	12.227	1511	1513	1519	rVB4	1893	3230	0.22%	0.025%
26	14.272	1855	1861	1865	rBV	95403	151546	10.53%	1.167%
27	14.319	1865	1869	1873	rVB2	20125	30897	2.15%	0.238%
28	14.578	1906	1913	1919	rBV	109291	169372	11.77%	1.304%
29	14.877	1958	1964	1971	rVB	238465	397953	27.66%	3.064%
30	14.942	1971	1975	1977	rBV3	5058	6583	0.46%	0.051%
31	15.036	1984	1991	1996	rBV4	30886	55459	3.85%	0.427%
32	15.206	2016	2020	2021	rVB4	3377	3571	0.25%	0.027%
33	15.265	2026	2030	2032	rBV	3815	5273	0.37%	0.041%
34	15.670	2096	2099	2101	rBV	3551	3767	0.26%	0.029%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120120\
Data File : BG047491.D
Acq On : 1 Dec 2020 9:32
Operator : CG/JU
Sample : L4793-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B31

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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\SOM-EPA-BG111920MA.M
Title : SVOA CALIBRATION

35	15.864	2125	2132	2138	rBV	131160	203923	14.17%	1.570%
36	15.911	2138	2140	2145	rVV4	7366	9773	0.68%	0.075%
37	15.964	2145	2149	2158	rVV2	30728	48021	3.34%	0.370%
38	16.234	2193	2195	2201	rVB2	2287	3142	0.22%	0.024%
39	16.587	2253	2255	2259	rVB2	3975	3495	0.24%	0.027%
40	16.887	2301	2306	2309	rVV	2908	3780	0.26%	0.029%
41	16.922	2309	2312	2315	rVV2	3820	4265	0.30%	0.033%
42	17.145	2346	2350	2352	rBV	3241	4456	0.31%	0.034%
43	17.263	2364	2370	2375	rBV5	7481	12479	0.87%	0.096%
44	17.345	2379	2384	2390	rVV7	4463	11796	0.82%	0.091%
45	17.398	2390	2393	2394	rVV7	3313	3646	0.25%	0.028%
46	17.439	2396	2400	2405	rVB2	7482	12763	0.89%	0.098%
47	17.615	2424	2430	2434	rBV	333972	529395	36.79%	4.076%
48	17.656	2434	2437	2442	rVB2	132849	187316	13.02%	1.442%
49	17.709	2442	2446	2452	rBV2	137562	213953	14.87%	1.647%
50	17.797	2458	2461	2467	rVB3	8685	14365	1.00%	0.111%
51	17.921	2479	2482	2483	rBV	3969	3367	0.23%	0.026%
52	18.009	2488	2497	2502	rBV4	15720	31224	2.17%	0.240%
53	18.132	2516	2518	2523	rVB4	4650	5251	0.36%	0.040%
54	18.191	2523	2528	2534	rBV2	5101	7875	0.55%	0.061%
55	18.267	2537	2541	2543	rBV2	4175	5287	0.37%	0.041%
56	18.485	2572	2578	2581	rBV2	20211	31456	2.19%	0.242%
57	18.532	2581	2586	2594	rVB3	29283	49286	3.43%	0.379%
58	18.608	2594	2599	2602	rBV4	6157	10693	0.74%	0.082%
59	18.685	2605	2612	2614	rBV4	34317	60329	4.19%	0.464%
60	18.972	2656	2661	2664	rBV	24891	36070	2.51%	0.278%
61	19.014	2664	2668	2673	rVB3	35315	51671	3.59%	0.398%
62	19.096	2679	2682	2685	rBV4	3261	4104	0.29%	0.032%
63	19.213	2698	2702	2705	rVV4	7007	10313	0.72%	0.079%
64	19.384	2726	2731	2736	rBV5	16684	29724	2.07%	0.229%
65	19.448	2738	2742	2745	rVV5	6010	8599	0.60%	0.066%
66	19.525	2750	2755	2761	rVV2	35299	54661	3.80%	0.421%
67	19.601	2763	2768	2769	rVV5	5955	10112	0.70%	0.078%
68	19.648	2770	2776	2783	rVV	687799	967193	67.22%	7.446%
69	19.701	2783	2785	2787	rVV3	10069	10741	0.75%	0.083%
70	19.742	2789	2792	2795	rVB2	13342	16668	1.16%	0.128%
71	19.836	2803	2808	2811	rBV6	12341	21804	1.52%	0.168%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120120\
Data File : BG047491.D
Acq On : 1 Dec 2020 9:32
Operator : CG/JU
Sample : L4793-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B31

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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\SOM-EPA-BG111920MA.M
Title : SVOA CALIBRATION

72	19.889	2814	2817	2821	rVV	24229	35564	2.47%	0.274%
73	19.924	2821	2823	2824	rVV2	6524	3803	0.26%	0.029%
74	19.977	2826	2832	2834	rVV3	296276	462012	32.11%	3.557%
75	20.007	2834	2837	2844	rVV	594140	831209	57.77%	6.400%
76	20.071	2844	2848	2854	rVB3	27879	45334	3.15%	0.349%
77	20.177	2860	2866	2872	rBV	40839	59917	4.16%	0.461%
78	20.236	2872	2876	2882	rBV	26959	39617	2.75%	0.305%
79	20.324	2884	2891	2897	rBV3	36987	105901	7.36%	0.815%
80	20.377	2898	2900	2904	rVB5	14561	16046	1.12%	0.124%
81	20.412	2904	2906	2907	rBV2	6132	4561	0.32%	0.035%
82	20.488	2908	2919	2924	rBV	107534	207683	14.43%	1.599%
83	20.588	2931	2936	2940	rBV	69413	101514	7.06%	0.782%
84	20.647	2941	2946	2949	rVV3	43581	76794	5.34%	0.591%
85	20.682	2949	2952	2956	rVB2	40636	50309	3.50%	0.387%
86	20.788	2966	2970	2974	rBV2	28373	41606	2.89%	0.320%
87	21.264	3047	3051	3059	rVB	74890	118064	8.21%	0.909%
88	21.458	3076	3084	3089	rBV	135979	268558	18.66%	2.068%
89	21.505	3089	3092	3096	rVV2	76603	123084	8.55%	0.948%
90	21.558	3097	3101	3106	rVV3	89053	180518	12.55%	1.390%
91	21.611	3106	3110	3121	rVB2	86228	170076	11.82%	1.309%
92	21.834	3144	3148	3149	rBV2	22099	26657	1.85%	0.205%
93	21.887	3150	3157	3163	rVV2	520939	1438841	100.00%	11.078%
94	21.945	3164	3167	3177	rVB	399249	694984	48.30%	5.351%
95	22.104	3190	3194	3201	rBV2	69860	124411	8.65%	0.958%
96	22.321	3226	3231	3237	rBV2	60086	114340	7.95%	0.880%
97	24.225	3545	3555	3562	rBV	402069	1318079	91.61%	10.148%
98	24.989	3677	3685	3692	rBV	182073	489016	33.99%	3.765%
99	25.142	3704	3711	3722	rVB	223425	647755	45.02%	4.987%
100	25.300	3730	3738	3747	rBV3	167494	526069	36.56%	4.050%

Sum of corrected areas: 12988627

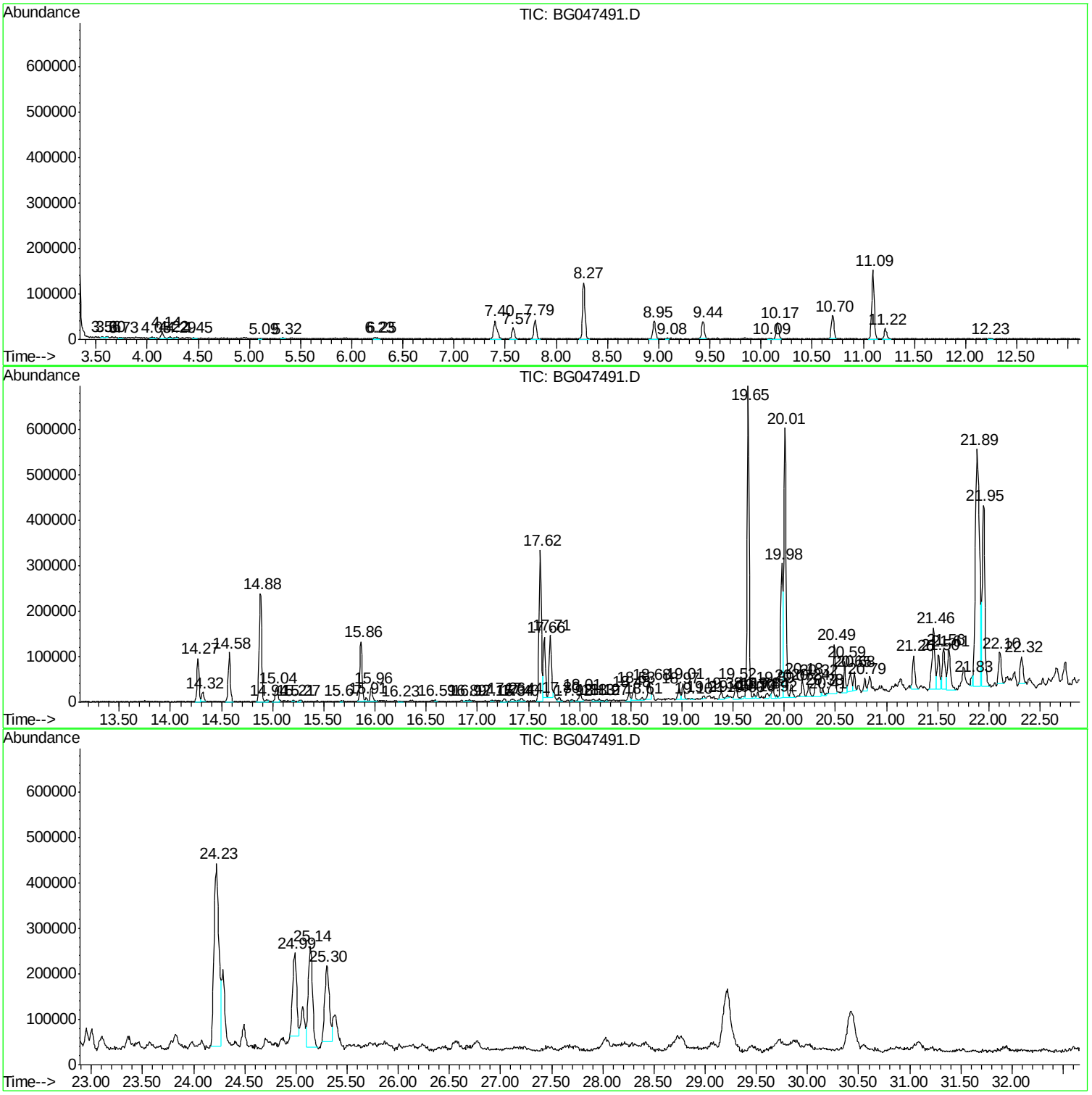
LSC Report - Integrated Chromatogram

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120120\
Data File : BG047491.D
Acq On : 1 Dec 2020 9:32
Operator : CG/JU
Sample : L4793-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B31

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120120\
Data File : BG047491.D
Acq On : 1 Dec 2020 9:32
Operator : CG/JU
Sample : L4793-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B31

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

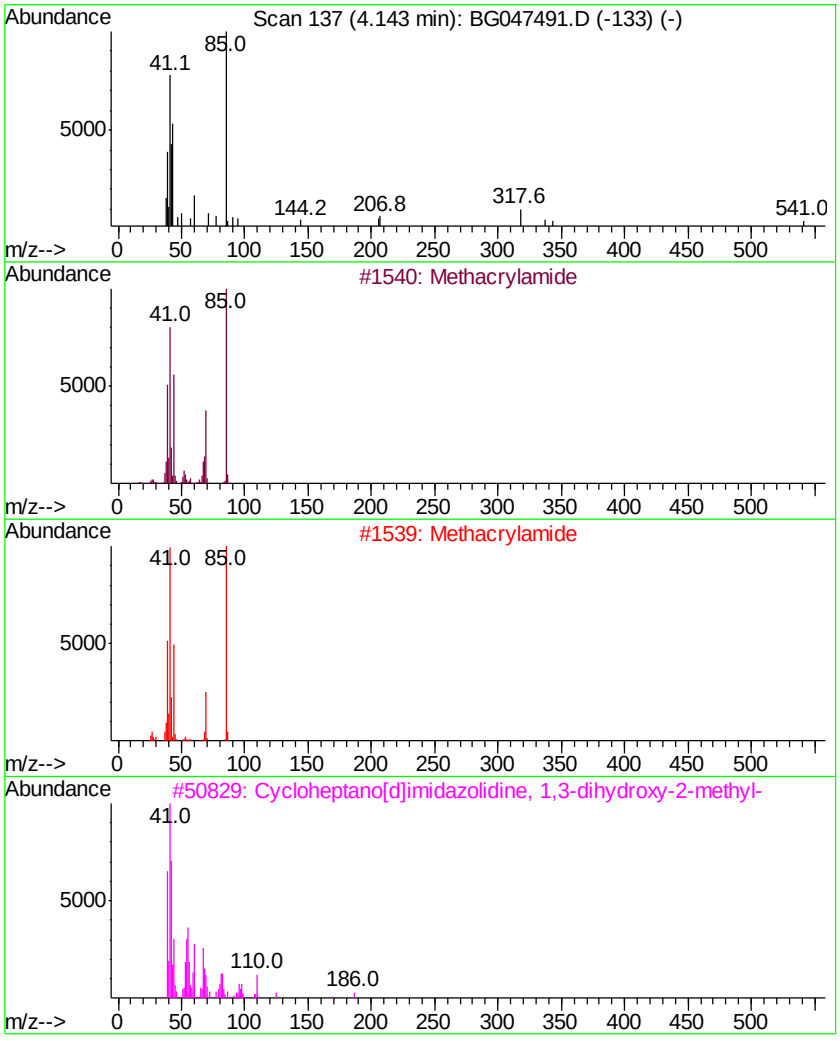
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

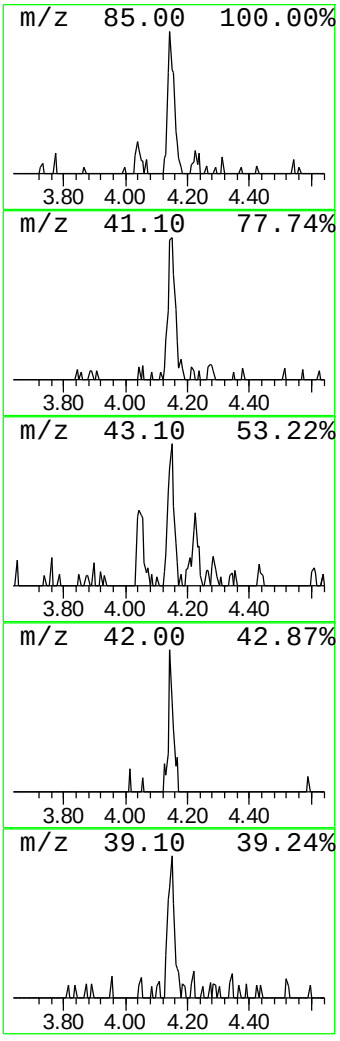
****

Peak Number 1 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.14	2.37 ng/ul	25621	1,4-Dichlorobenzene-d4	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methacrylamide	85	C4H7NO	000079-39-0	49
2	Methacrylamide	85	C4H7NO	000079-39-0	38
3	Cycloheptano[d]imidazolidine, 1,...	186	C9H18N2O2	306947-39-7	16
4	Propene	42	C3H6	000115-07-1	9
5	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	9





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120120\
Data File : BG047491.D
Acq On : 1 Dec 2020 9:32
Operator : CG/JU
Sample : L4793-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B31

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

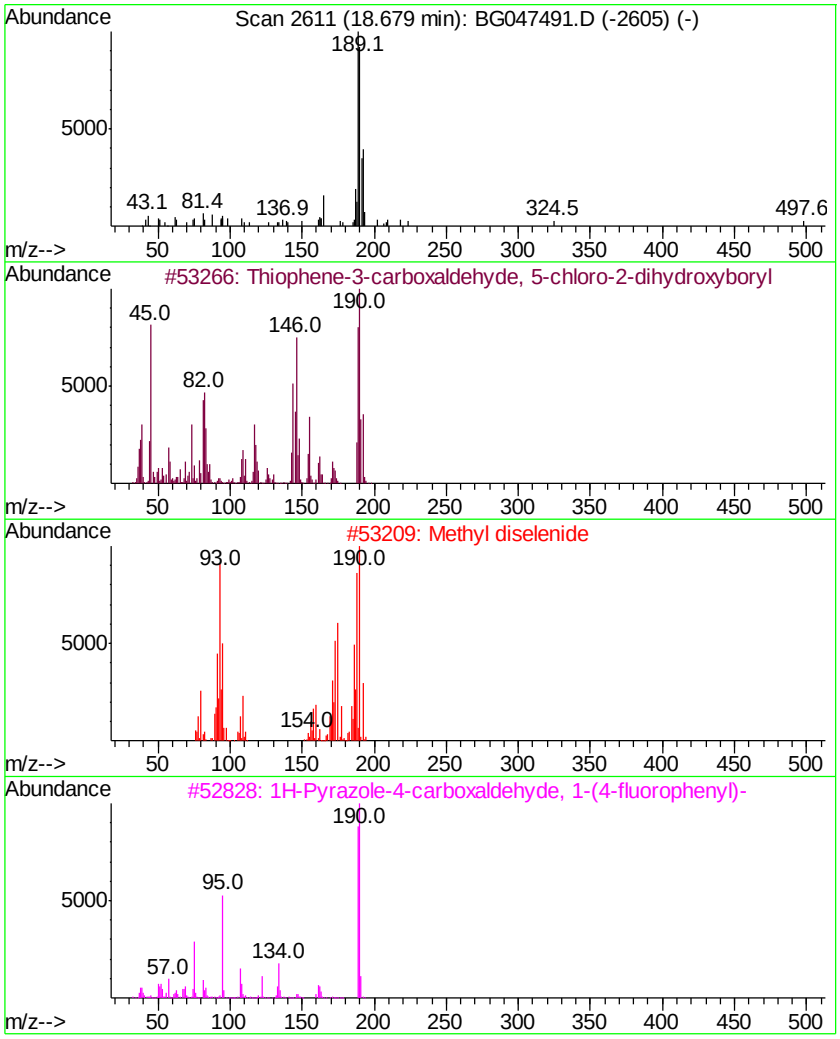
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

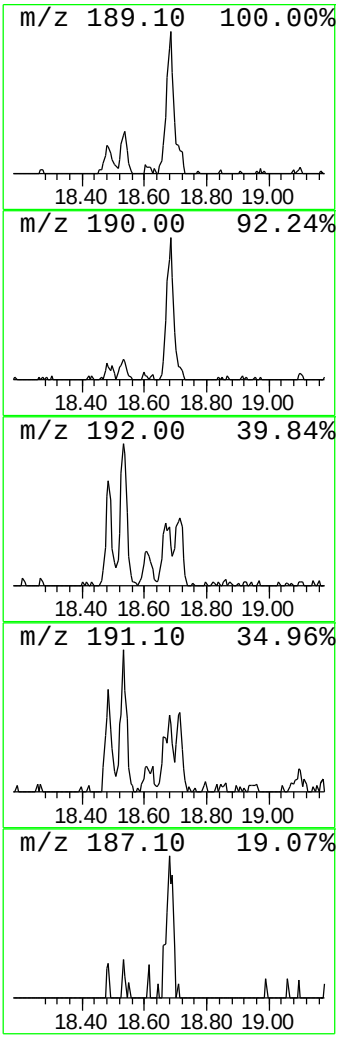
****

Peak Number 2 Thiophene-3-carboxaldehyde,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	2.28 ng/ul	60329	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	59
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	1H-Pyrazole-4-carboxaldehyde, 1-...	190	C10H7FN2O	1000338-05-6	50
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120120\
Data File : BG047491.D
Acq On : 1 Dec 2020 9:32
Operator : CG/JU
Sample : L4793-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B31

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

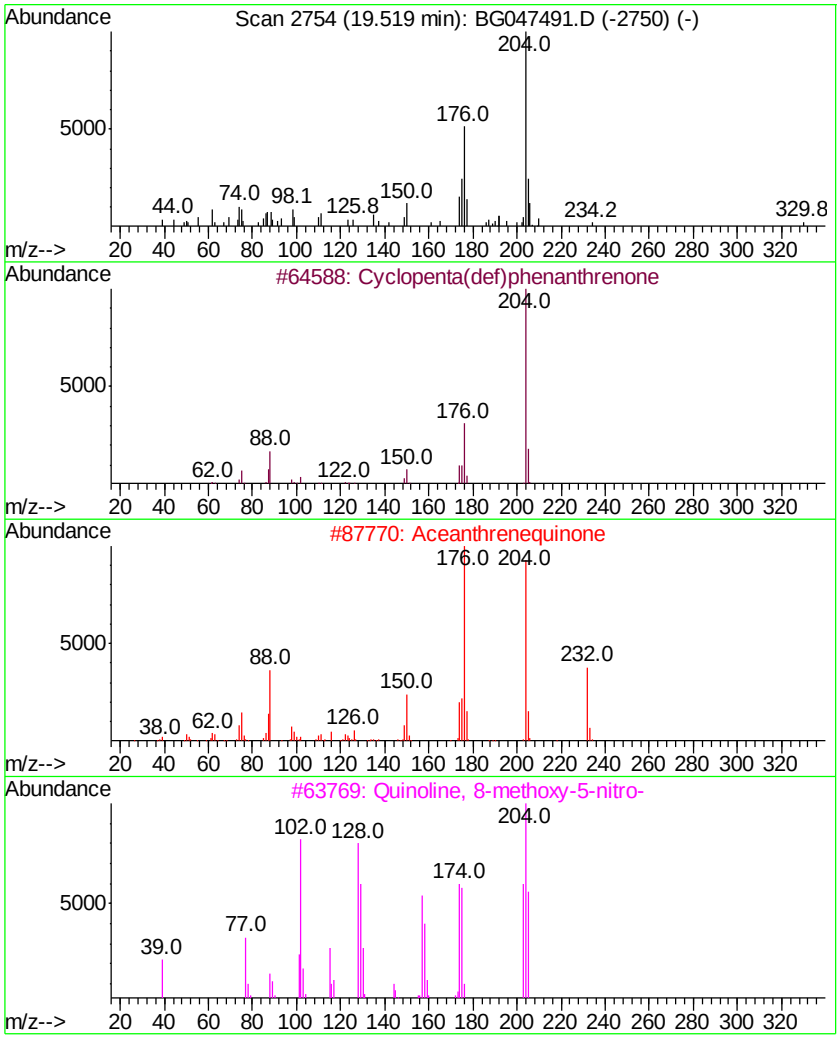
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

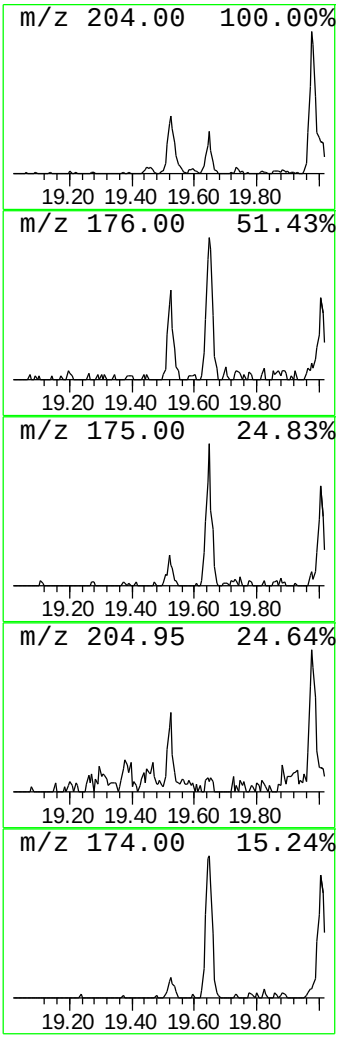
****

Peak Number 3 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.52	2.07 ng/ul	54661	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	Aceanthrenequinone	232	C16H8O2	006373-11-1	50
3	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	43
4	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	40
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	40





Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120120\
Data File : BG047491.D
Acq On : 1 Dec 2020 9:32
Operator : CG/JU
Sample : L4793-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B31

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

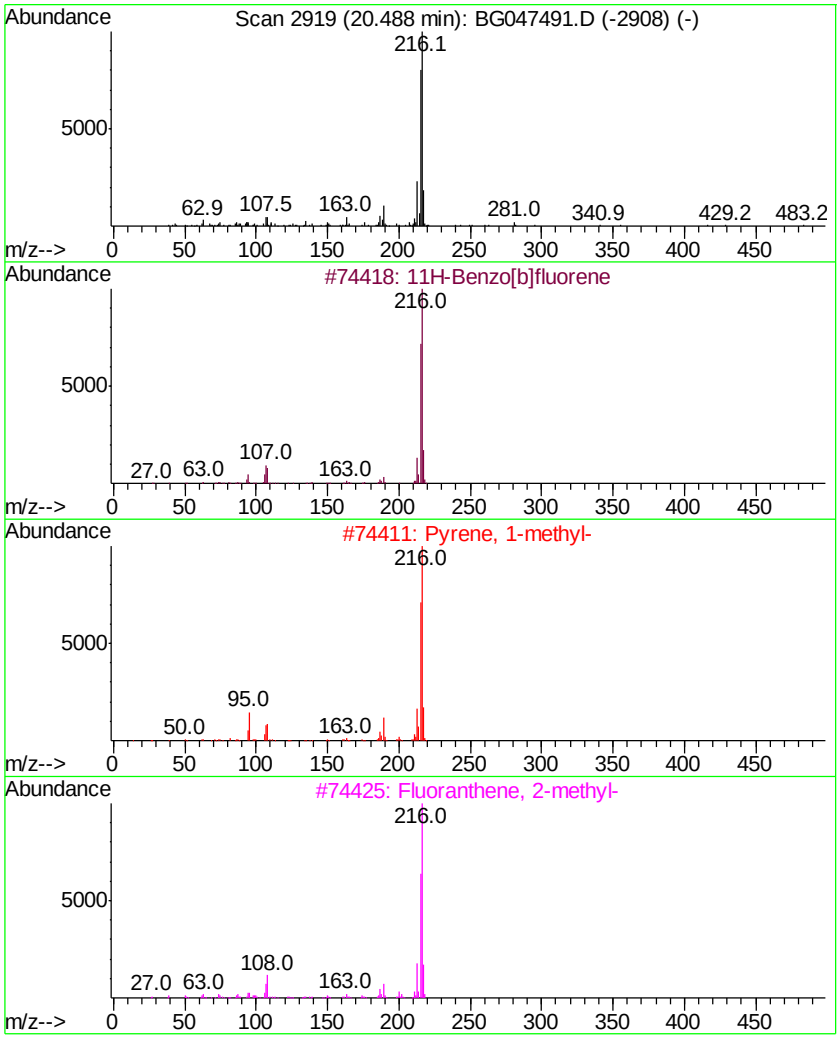
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

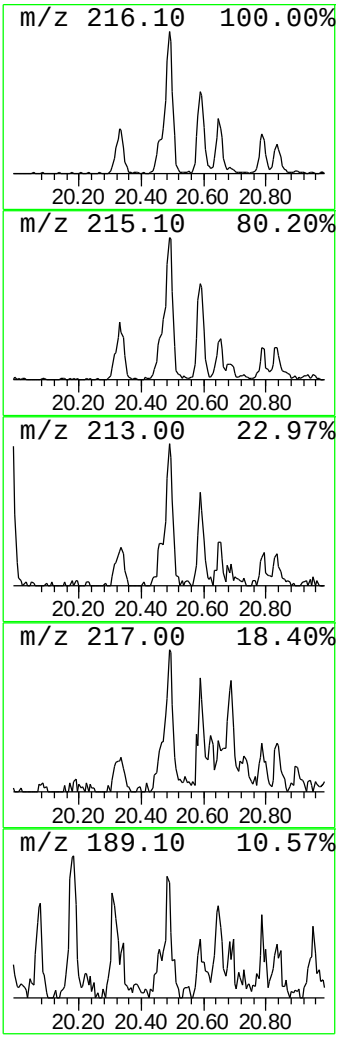
****

Peak Number 4 11H-Benzo[b]fluorene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.49	2.89 ng/ul	207683	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120120\
Data File : BG047491.D
Acq On : 1 Dec 2020 9:32
Operator : CG/JU
Sample : L4793-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B31

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

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

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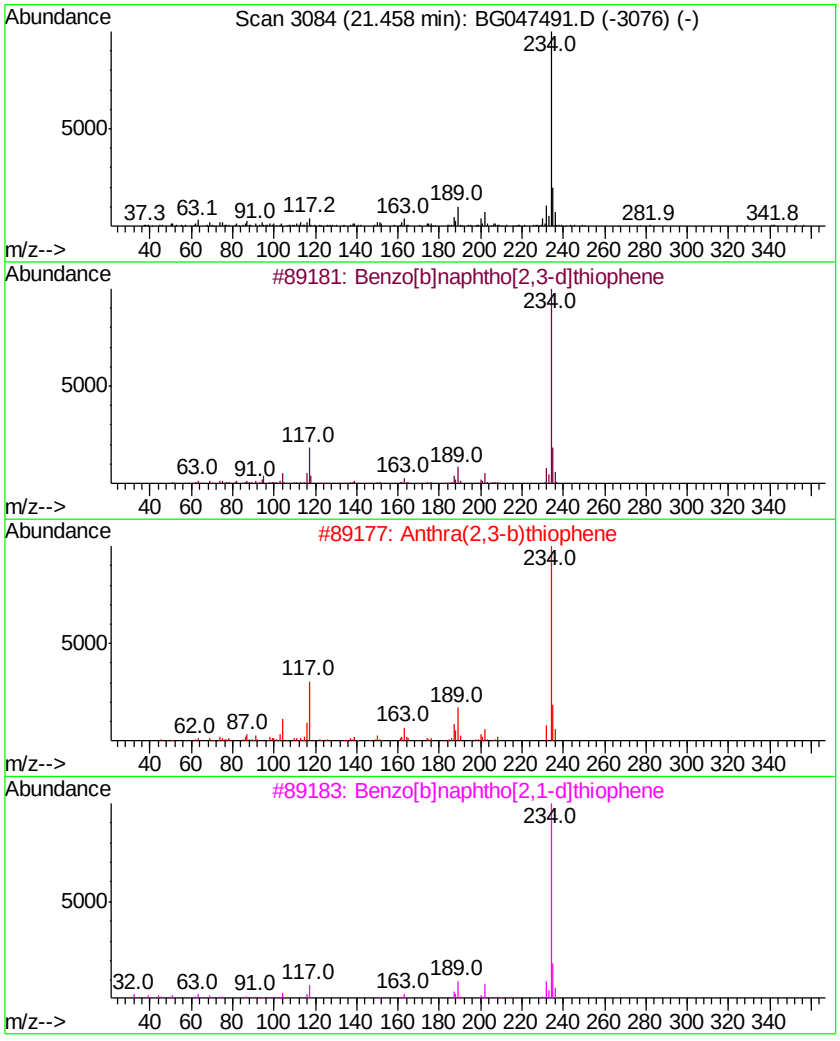
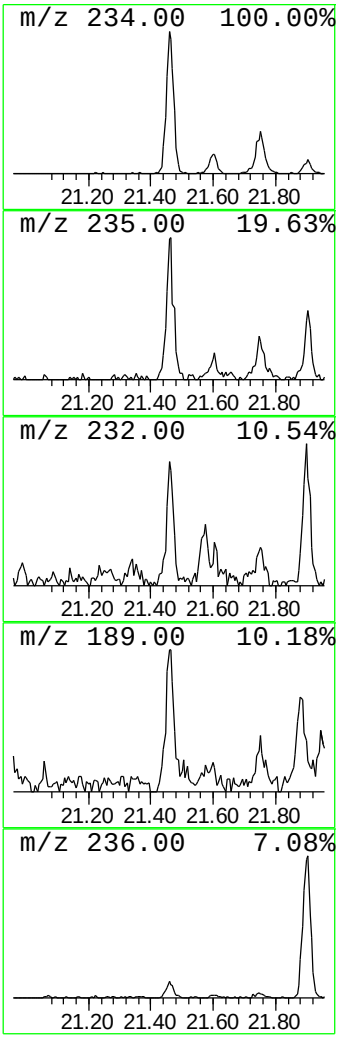
Peak Number 5 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.46	3.73 ng/ul	268558	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
2	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	94
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	91
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	91





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Acq On : 1 Dec 2020 9:32
Operator : CG/JU
Sample : L4793-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B31

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

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

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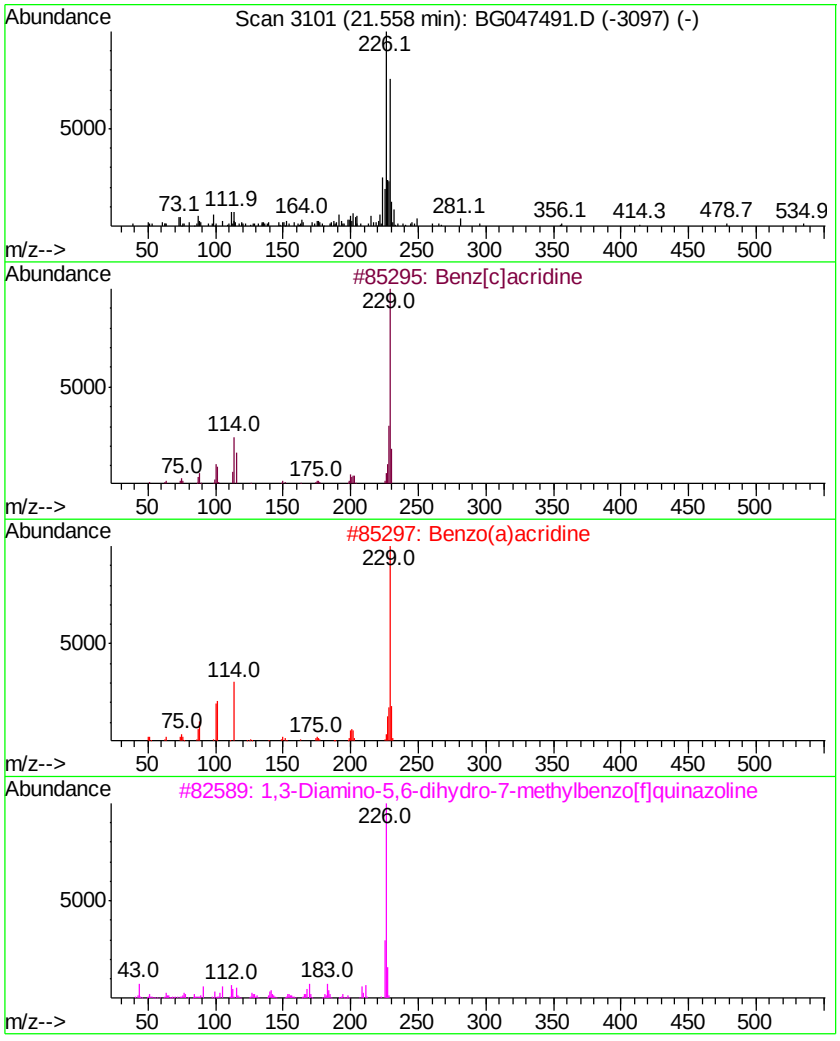
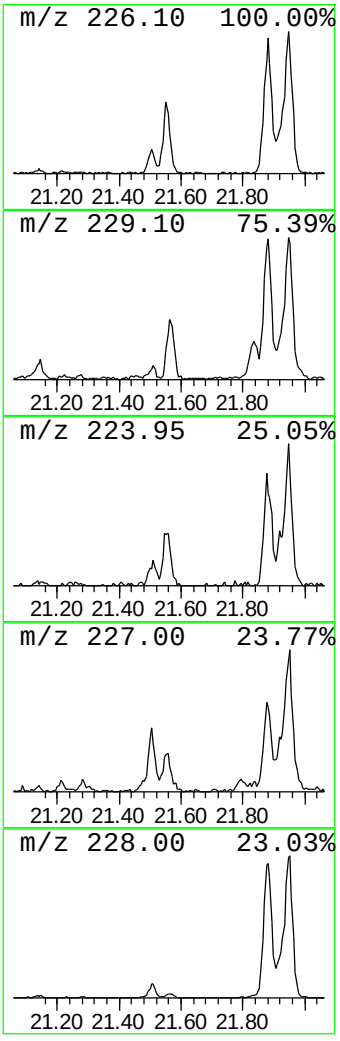
Peak Number 6 unknown-02 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.56	2.51 ng/ul	180518	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[c]acridine	229	C17H11N	000225-51-4	38
2	Benzo(a)acridine	229	C17H11N	000225-11-6	30
3	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	30
4	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	30
5	2-Imidazolidinone, 1-(4-chloroph...	226	C10H11ClN2O2	052420-34-5	27





Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120120\
Data File : BG047491.D
Acq On : 1 Dec 2020 9:32
Operator : CG/JU
Sample : L4793-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B31

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

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

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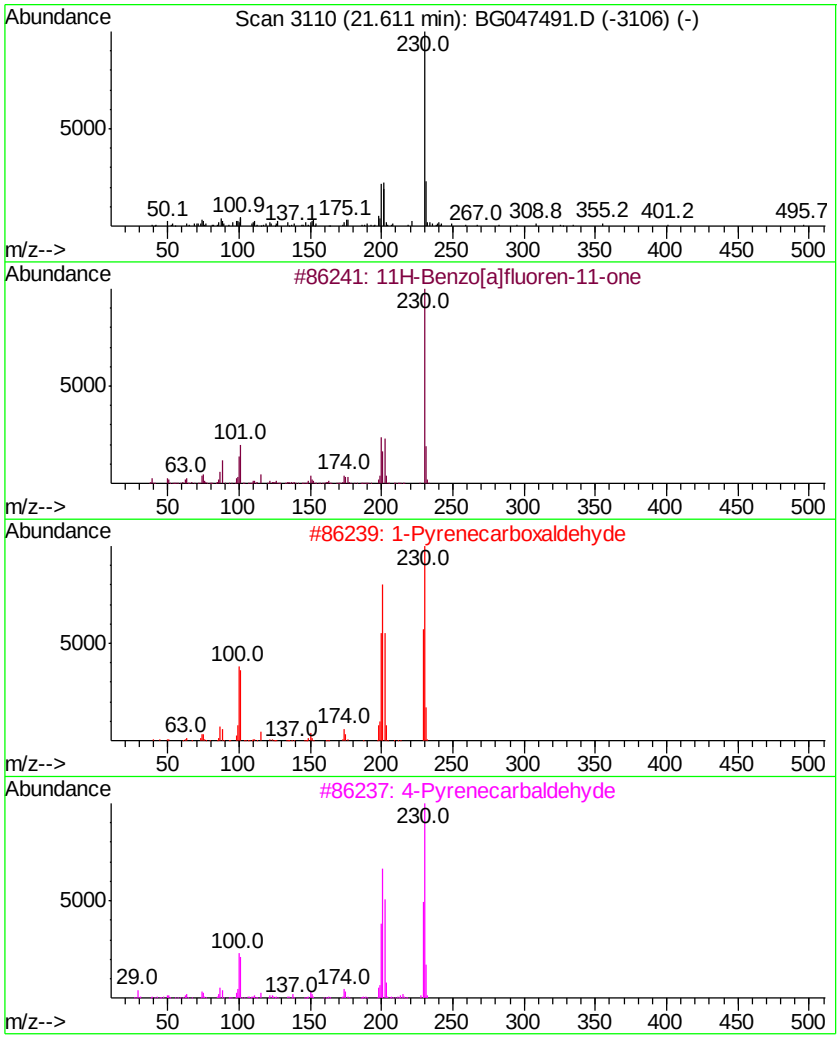
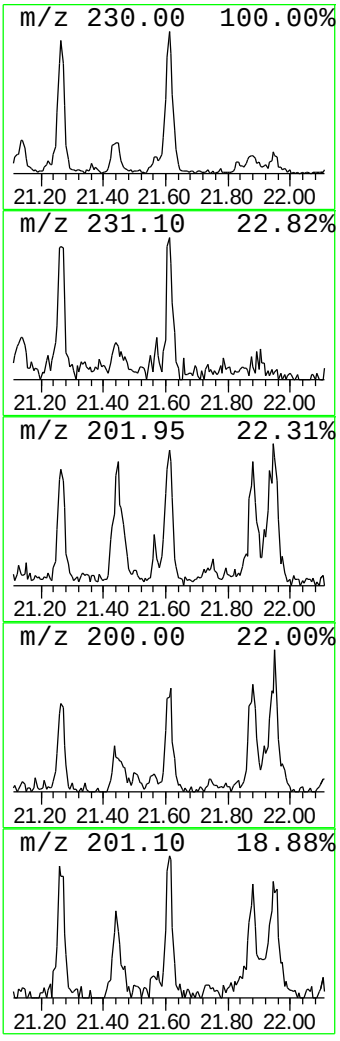
Peak Number 7 11H-Benzo[a]fluoren-11-one Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.61	2.36 ng/ul	170076	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	90
2	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	80
3	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	72
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
5	4-Methoxy-2-(p-methoxyphenyl)-6-...	230	C13H14N2O2	063896-93-5	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120120\
Data File : BG047491.D
Acq On : 1 Dec 2020 9:32
Operator : CG/JU
Sample : L4793-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B31

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA 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
unknown-01	4.14	2.4	ng/ul	25621	1	8.27	215810	20.0
Thiophene-3-carbo...	18.68	2.3	ng/ul	60329	4	17.62	529395	20.0
Cyclopenta(def)ph...	19.52	2.1	ng/ul	54661	4	17.62	529395	20.0
11H-Benzo[b]fluorene	20.49	2.9	ng/ul	207683	5	21.90	1438840	20.0
Benzo[b]naphtho[2...	21.46	3.7	ng/ul	268558	5	21.90	1438840	20.0
unknown-02	21.56	2.5	ng/ul	180518	5	21.90	1438840	20.0
11H-Benzo[a]fluor...	21.61	2.4	ng/ul	170076	5	21.90	1438840	20.0