LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047442.D
Acq On : 24 Nov 2020 11:56
Operator : CG/JU
Sample : L4751-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B84

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	3.620	44	48	53	rVB4	4041	6413	0.51%	0.048%
2	4.154	135	139	144	rVB3	9266	13365	1.05%	0.100%
3	4.237	149	153	158	rVB2	3360	4452	0.35%	0.033%
4	4.389	175	179	183	rBV3	3073	4502	0.35%	0.034%
5	5.312	332	336	337	rBV	2099	2701	0.21%	0.020%
6	5.324	337	338	344	rVB3	3155	4796	0.38%	0.036%
7	5.553	374	377	379	rBV	2033	2552	0.20%	0.019%
8	6.234	490	493	500	rBV4	4174	7226	0.57%	0.054%
9	6.657	560	565	567	rVV2	1629	2692	0.21%	0.020%
10	6.892	601	605	608	rVB	2272	3990	0.31%	0.030%
11	7.403	685	692	702	rBV4	95333	187793	14.80%	1.400%
12	7.580	717	722	732	rVB2	56775	98944	7.80%	0.738%
13	7.797	753	759	765	rVV2	89728	157523	12.41%	1.174%
14	7.862	767	770	772	rVV2	2423	3182	0.25%	0.024%
15	8.273	833	840	848	rBV	143545	259061	20.42%	1.931%
16	8.960	951	957	965	rVB2	103903	179071	14.11%	1.335%
17	9.148	985	989	991	rVB	2291	2723	0.21%	0.020%
18	9.436	1030	1038	1047	rBV	89917	165672	13.06%	1.235%
19	9.583	1061	1063	1066	rVV	2839	3156	0.25%	0.024%
20	9.853	1104	1109	1112	rVB2	3868	5448	0.43%	0.041%
21	9.947	1120	1125	1129	rBV	1809	2863	0.23%	0.021%
22	10.165	1154	1162	1168	rBV2	82528	153950	12.13%	1.148%
23	10.512	1218	1221	1223	rBV	2829	2899	0.23%	0.022%
24	10.705	1246	1254	1261	rVV2	123551	221833	17.48%	1.654%
25	10.864	1276	1281	1282	rBV2	1681	2815	0.22%	0.021%
26	11.099	1314	1321	1329	rBV	176889	335168	26.41%	2.499%
27	11.222	1334	1342	1351	rVB2	82370	155616	12.26%	1.160%
28	12.950	1632	1636	1639	rBV	1873	2770	0.22%	0.021%
29	13.761	1773	1774	1778	rVB2	3010	2915	0.23%	0.022%
30	13.802	1778	1781	1783	rVB2	2688	2556	0.20%	0.019%
31	13.825	1783	1785	1788	rBV2	2528	2695	0.21%	0.020%
32	14.278	1854	1862	1866	rVV	210335	314076	24.75%	2.342%
33	14.319	1866	1869	1876	rVB	41654	59626	4.70%	0.445%
34	14.583	1906	1914	1925	rBV	210833	346290	27.29%	2.582%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047442.D
Acq On : 24 Nov 2020 11:56
Operator : CG/JU
Sample : L4751-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B84

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	14.759	1940	1944	1947	rBV2	2856	3929	0.31%	0.029%
36	14.883	1958	1965	1972	rBV2	288713	458451	36.13%	3.418%
37	14.953	1972	1977	1980	rVB3	3848	7091	0.56%	0.053%
38	15.042	1986	1992	1998	rBV2	87956	140160	11.05%	1.045%
39	15.200	2017	2019	2023	rVB	3238	3723	0.29%	0.028%
40	15.277	2026	2032	2036	rBV2	8529	15457	1.22%	0.115%
41	15.705	2102	2105	2107	rBV2	3063	2622	0.21%	0.020%
42	15.870	2125	2133	2138	rBV	269570	428423	33.76%	3.194%
43	15.917	2139	2141	2146	rVV2	10468	14557	1.15%	0.109%
44	15.970	2146	2150	2158	rVB2	40512	57834	4.56%	0.431%
45	16.029	2158	2160	2162	rBV	2607	2707	0.21%	0.020%
46	16.099	2171	2172	2178	rVB2	3585	4819	0.38%	0.036%
47	16.187	2184	2187	2188	rBV2	2927	2957	0.23%	0.022%
48	16.205	2188	2190	2192	rBV	2664	3029	0.24%	0.023%
49	16.363	2213	2217	2223	rVB2	3559	5366	0.42%	0.040%
50	16.734	2278	2280	2283	rBV	3237	4241	0.33%	0.032%
51	16.916	2308	2311	2312	rVV2	5708	4539	0.36%	0.034%
52	16.933	2312	2314	2316	rVV2	3615	3306	0.26%	0.025%
53	16.957	2316	2318	2324	rVB5	4100	6613	0.52%	0.049%
54	17.145	2344	2350	2352	rBV3	5950	8270	0.65%	0.062%
55	17.215	2359	2362	2366	rVB2	12433	16394	1.29%	0.122%
56	17.268	2368	2371	2376	rVB4	6034	10076	0.79%	0.075%
57	17.362	2381	2387	2393	rBV5	13257	33024	2.60%	0.246%
58	17.433	2397	2399	2404	rVB2	10466	14424	1.14%	0.108%
59	17.621	2424	2431	2434	rBV	358402	550407	43.38%	4.104%
60	17.662	2434	2438	2442	rVB	185743	274896	21.66%	2.050%
61	17.715	2442	2447	2452	rBV	285818	446336	35.17%	3.328%
62	17.803	2458	2462	2466	rBV4	4872	7049	0.56%	0.053%
63	17.844	2466	2469	2472	rVB4	9609	12658	1.00%	0.094%
64	17.921	2481	2482	2485	rBV2	4237	4271	0.34%	0.032%
65	18.009	2492	2497	2503	rVV2	19235	30290	2.39%	0.226%
66	18.126	2516	2517	2522	rVB3	4540	4635	0.37%	0.035%
67	18.485	2572	2578	2583	rVV	31070	47024	3.71%	0.351%
68	18.532	2583	2586	2593	rVB3	38365	63166	4.98%	0.471%
69	18.614	2594	2600	2605	rVB2	15971	27545	2.17%	0.205%
70	18.684	2605	2612	2616	rBV3	59968	119278	9.40%	0.889%
71	18.972	2657	2661	2665	rBV	37443	53033	4.18%	0.395%

LSC Area Percent Report

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Data File : BG047442.D
Acq On : 24 Nov 2020 11:56
Operator : CG/JU
Sample : L4751-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B84

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	19.013	2665	2668	2672	rVB3	31910	41624	3.28%	0.310%
73	19.101	2680	2683	2684	rBV3	8250	7283	0.57%	0.054%
74	19.190	2697	2698	2699	rBV	6224	2905	0.23%	0.022%
75	19.219	2700	2703	2707	rVV3	12093	16441	1.30%	0.123%
76	19.266	2709	2711	2715	rVV4	11384	12477	0.98%	0.093%
77	19.383	2728	2731	2735	rVB4	15728	21972	1.73%	0.164%
78	19.525	2751	2755	2759	rBV4	37318	58508	4.61%	0.436%
79	19.654	2770	2777	2782	rVB	809151	1189932	93.77%	8.872%
80	19.748	2790	2793	2796	rVB4	18068	18306	1.44%	0.136%
81	19.983	2827	2833	2835	rBV2	478502	773985	61.00%	5.771%
82	20.012	2835	2838	2844	rVV	576895	774848	61.06%	5.777%
83	20.077	2846	2849	2856	rVB2	27749	40535	3.19%	0.302%
84	20.183	2863	2867	2872	rBV2	47256	61302	4.83%	0.457%
85	20.312	2885	2889	2892	rBV4	44318	76849	6.06%	0.573%
86	20.494	2916	2920	2924	rVB	152824	201342	15.87%	1.501%
87	20.594	2932	2937	2941	rBV	114445	164901	13.00%	1.229%
88	20.688	2950	2953	2957	rVB2	38824	48840	3.85%	0.364%
89	20.788	2968	2970	2974	rBV	28652	33745	2.66%	0.252%
90	21.264	3048	3051	3057	rVB	49472	79388	6.26%	0.592%
91	21.463	3081	3085	3088	rVB	89754	114752	9.04%	0.856%
92	21.510	3089	3093	3097	rVV2	112648	156308	12.32%	1.165%
93	21.557	3098	3101	3107	rVV4	61159	102897	8.11%	0.767%
94	21.610	3107	3110	3115	rVB2	60549	98844	7.79%	0.737%
95	21.886	3151	3157	3164	rBV2	455170	1268930	100.00%	9.461%
96	21.951	3164	3168	3177	rVB	323542	585694	46.16%	4.367%
97	22.110	3192	3195	3202	rVB3	77816	145475	11.46%	1.085%
98	24.219	3546	3554	3563	rBV2	271863	912350	71.90%	6.802%
99	24.989	3678	3685	3691	rBV	132810	339128	26.73%	2.528%
100	25.306	3732	3739	3747	rBV2	157054	449215	35.40%	3.349%

Sum of corrected areas: 13412710

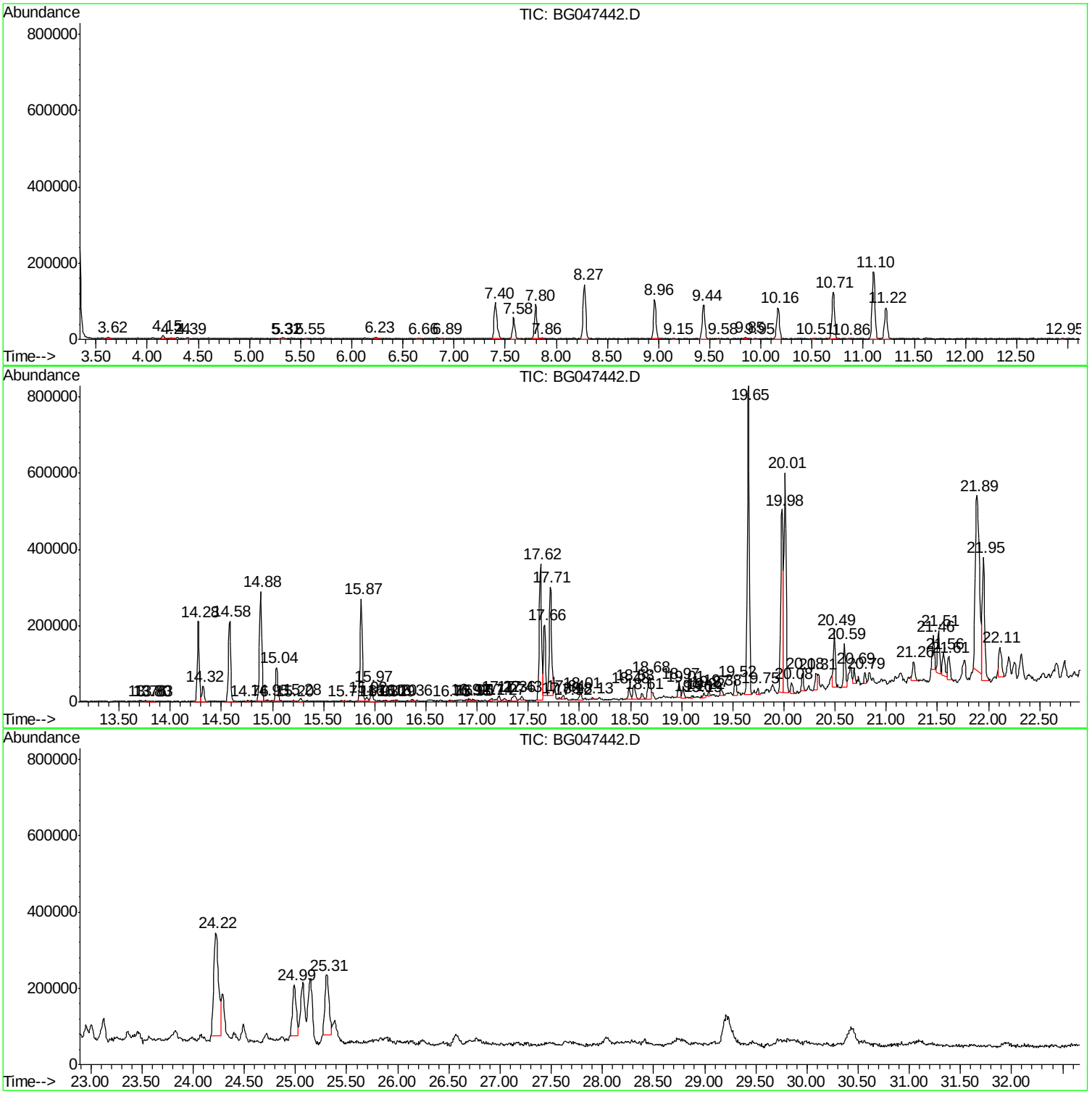
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047442.D
Acq On : 24 Nov 2020 11:56
Operator : CG/JU
Sample : L4751-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B84

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047442.D
Acq On : 24 Nov 2020 11:56
Operator : CG/JU
Sample : L4751-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B84

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

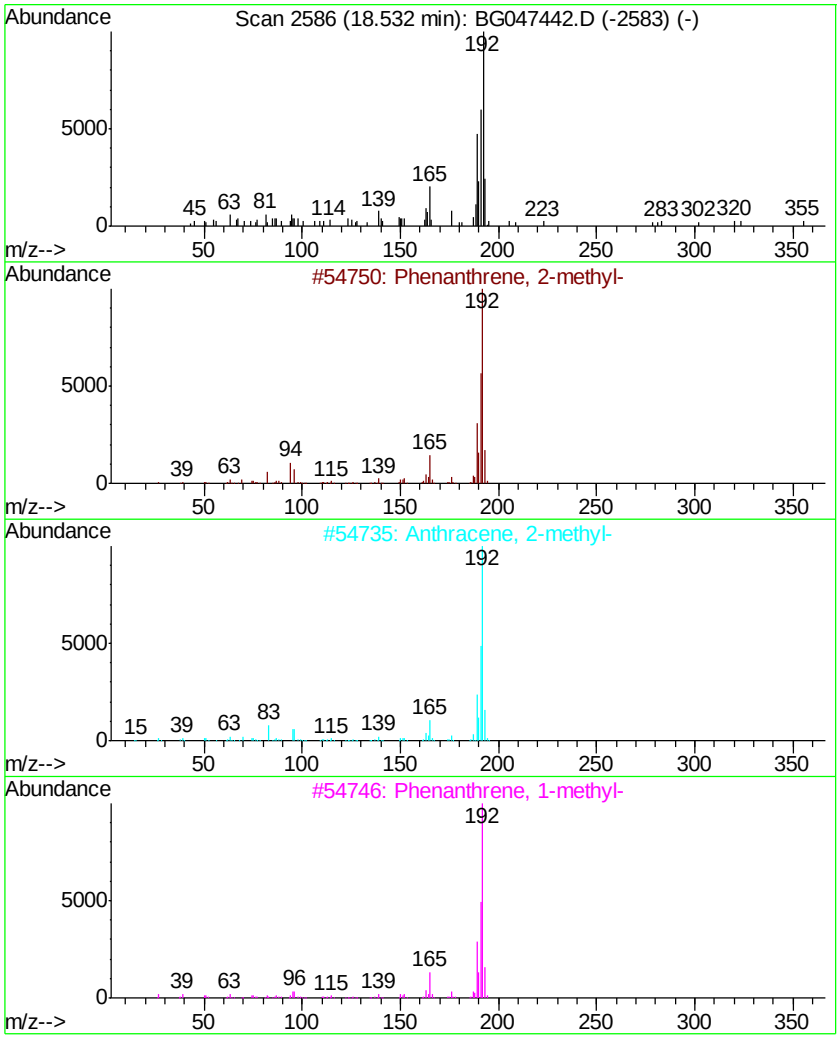
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

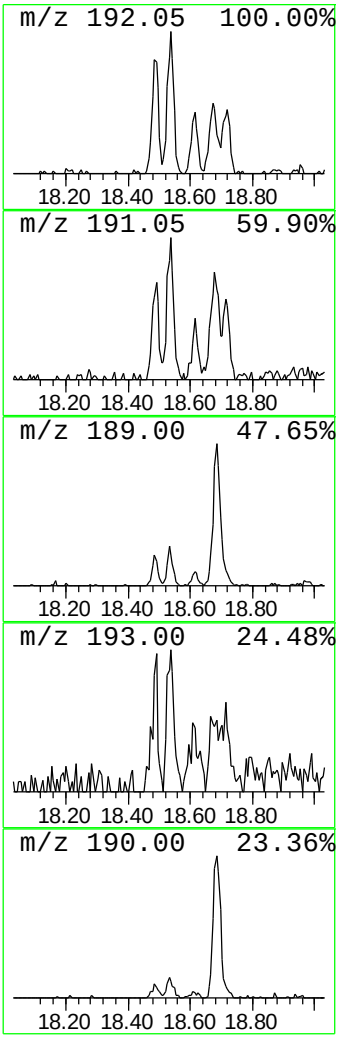
****

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	2.30 ng/ul	63166	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	70
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	70
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047442.D
Acq On : 24 Nov 2020 11:56
Operator : CG/JU
Sample : L4751-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B84

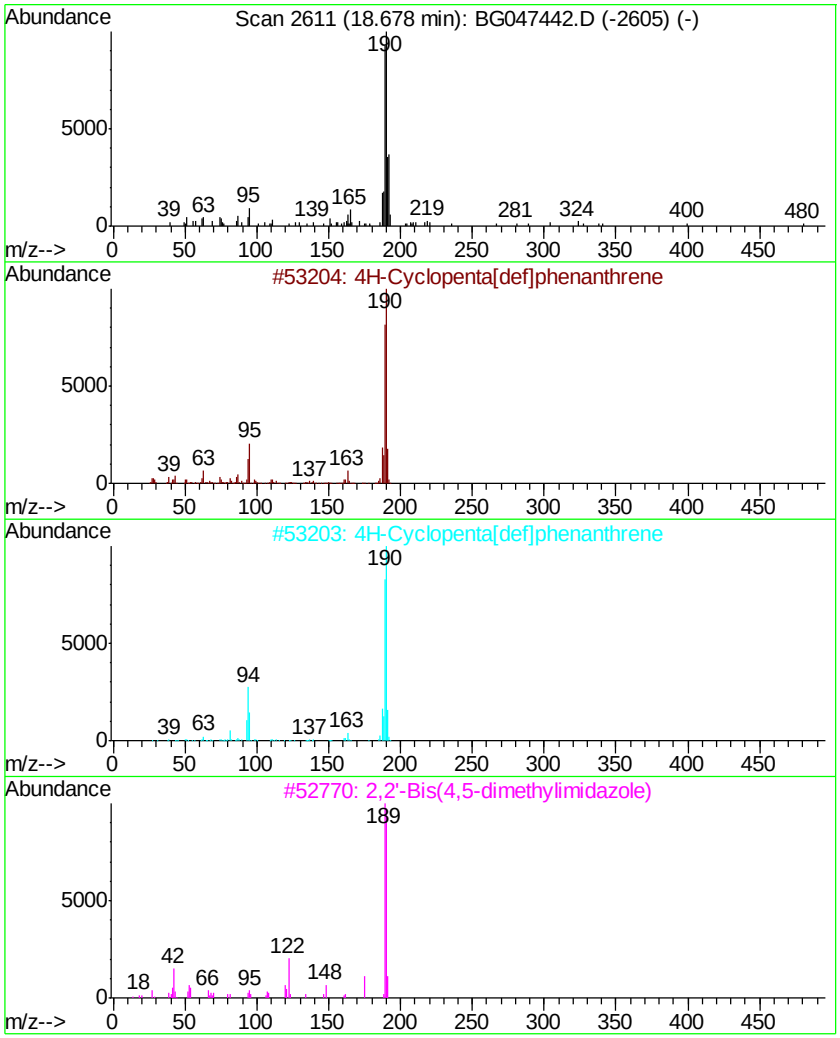
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

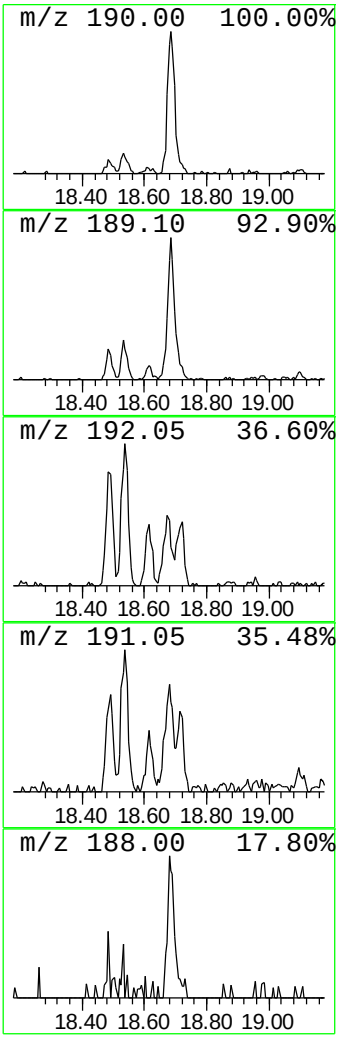
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	4.33 ng/ul	119278	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	53
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	40
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	37





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047442.D
Acq On : 24 Nov 2020 11:56
Operator : CG/JU
Sample : L4751-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B84

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

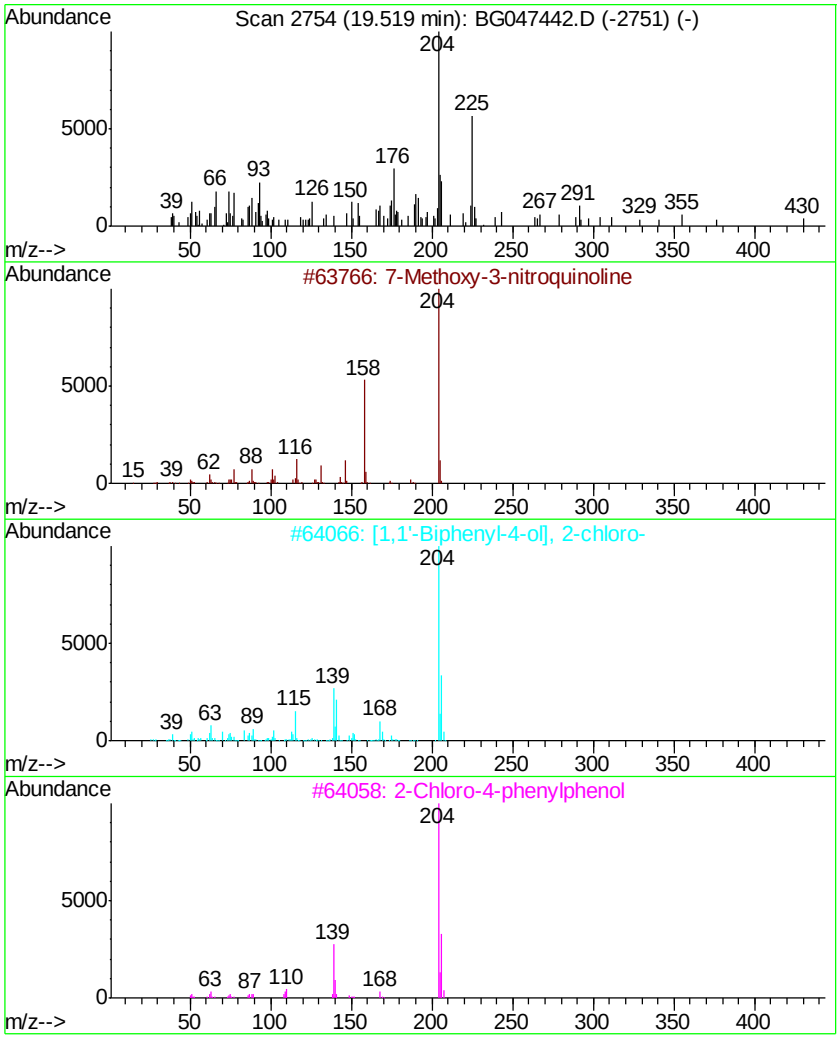
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

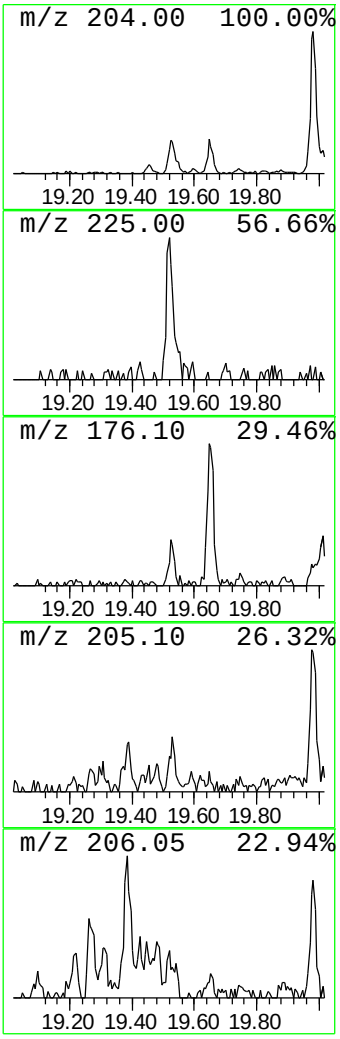
****

Peak Number 3 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.52	2.13 ng/ul	58508	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methoxy-3-nitroquinoline	204	C10H8N2O3	039977-95-2	46
2	[1,1'-Biphenyl-4-ol], 2-chloro-	204	C12H9ClO	023719-22-4	43
3	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
4	[1,2,4]Triazolo[5,1-b]quinazolin...	204	C10H12N4O	1000337-56-5	43
5	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	37





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047442.D
Acq On : 24 Nov 2020 11:56
Operator : CG/JU
Sample : L4751-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B84

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

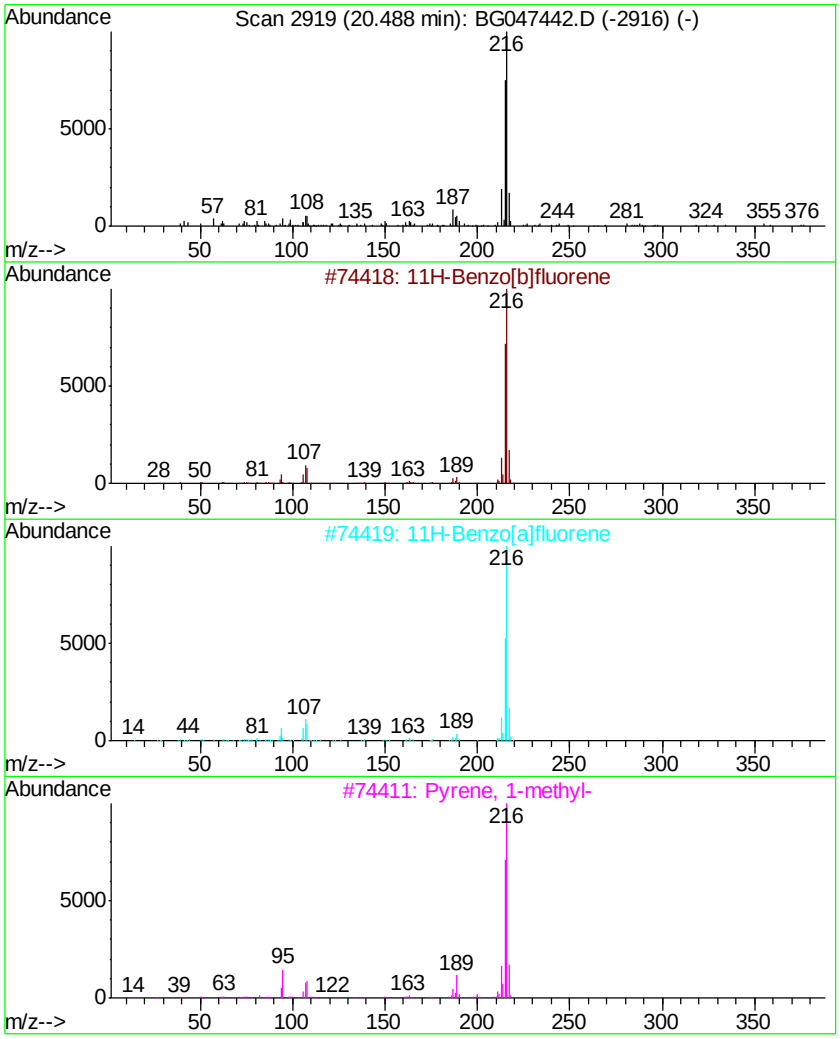
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

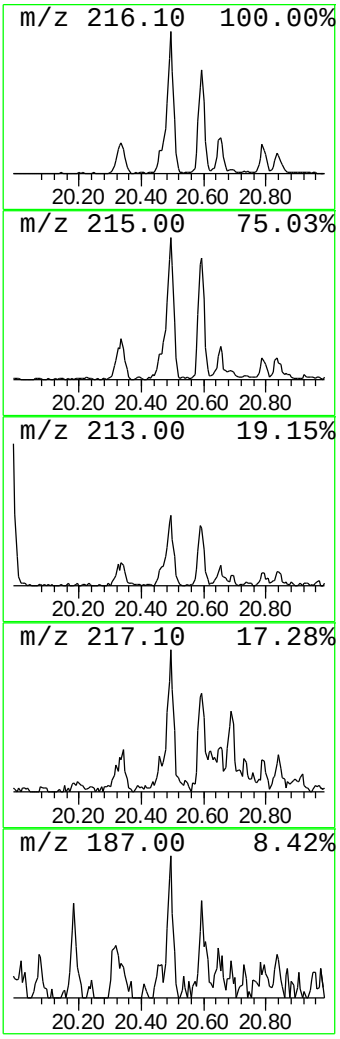
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.49	3.17 ng/ul	201342	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	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047442.D
Acq On : 24 Nov 2020 11:56
Operator : CG/JU
Sample : L4751-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B84

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

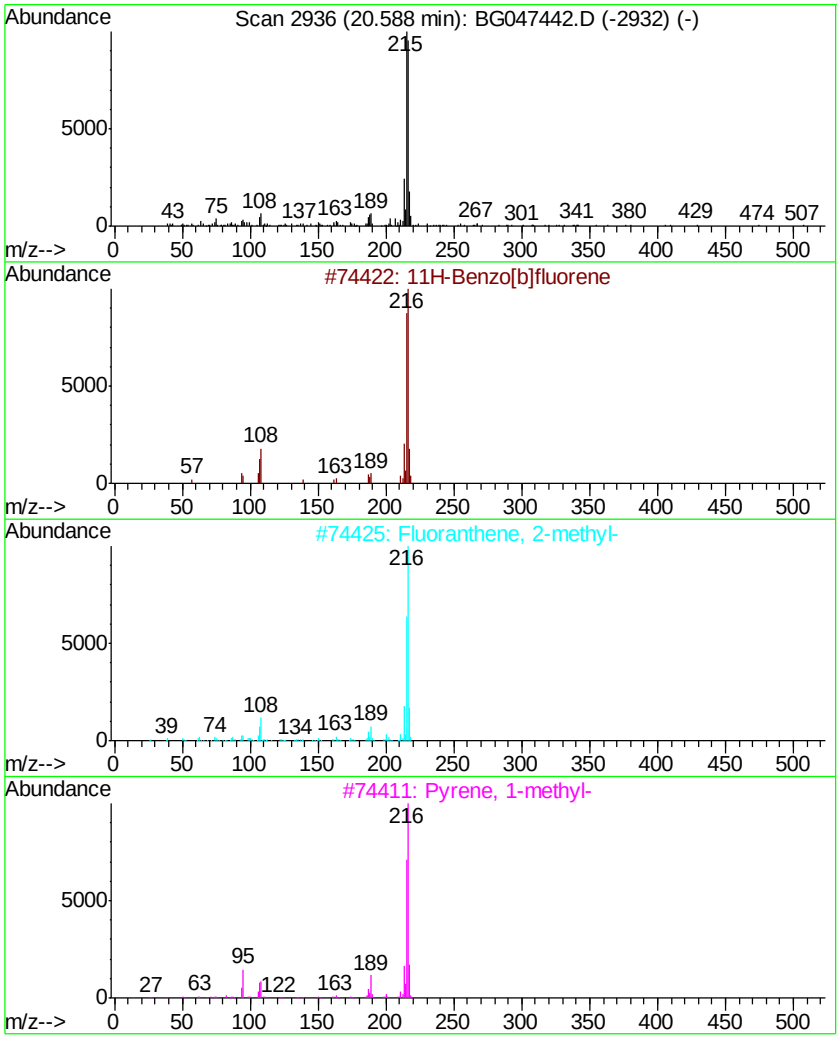
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

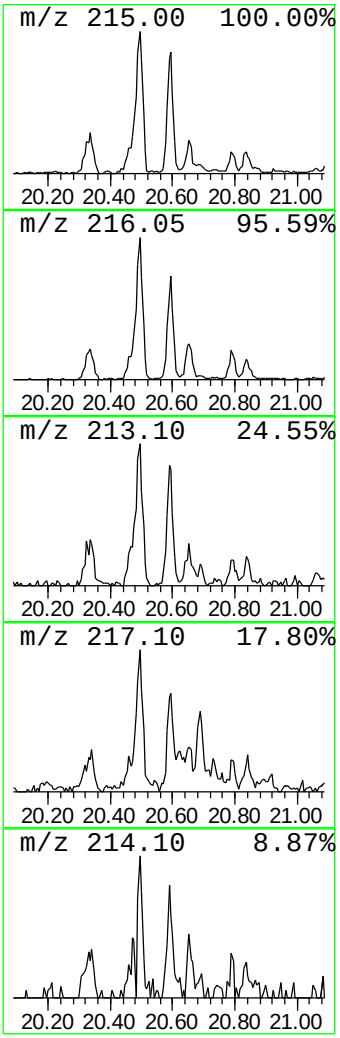
****

Peak Number 5 11H-Benzo[b]fluorene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.59	2.60 ng/ul	164901	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Data File : BG047442.D
Acq On : 24 Nov 2020 11:56
Operator : CG/JU
Sample : L4751-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B84

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

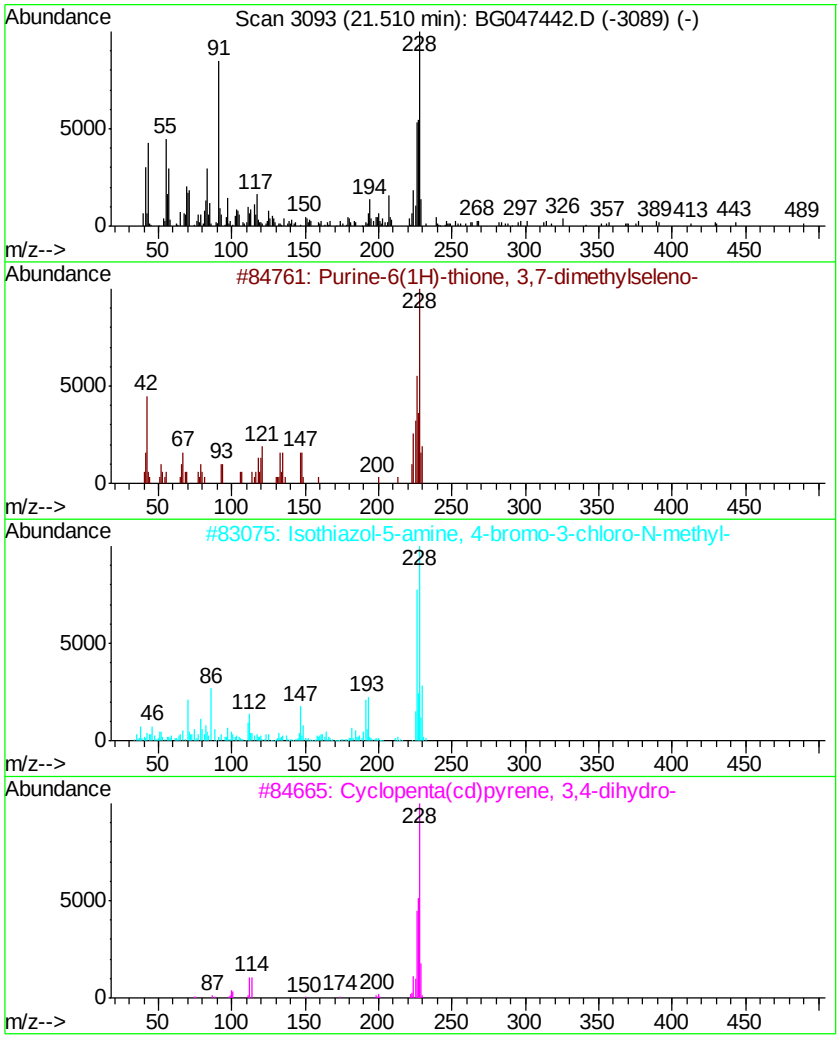
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

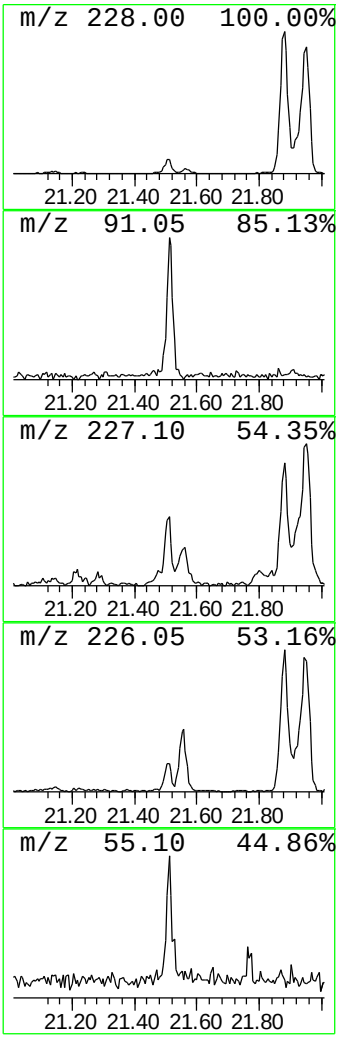
****

Peak Number 6 Purine-6(1H)-thione, 3,7-di... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.51	2.46 ng/ul	156308	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Purine-6(1H)-thione, 3,7-dimethy...	228	C7H8N4Se	023663-58-3	59
2	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	50
3	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	38
4	Naphthacene	228	C18H12	000092-24-0	35
5	Naphtho[2,3-d]pyrazole-4,9(4H,9H...	227	C12H9N3O2	1000263-96-1	35





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047442.D
Acq On : 24 Nov 2020 11:56
Operator : CG/JU
Sample : L4751-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B84

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

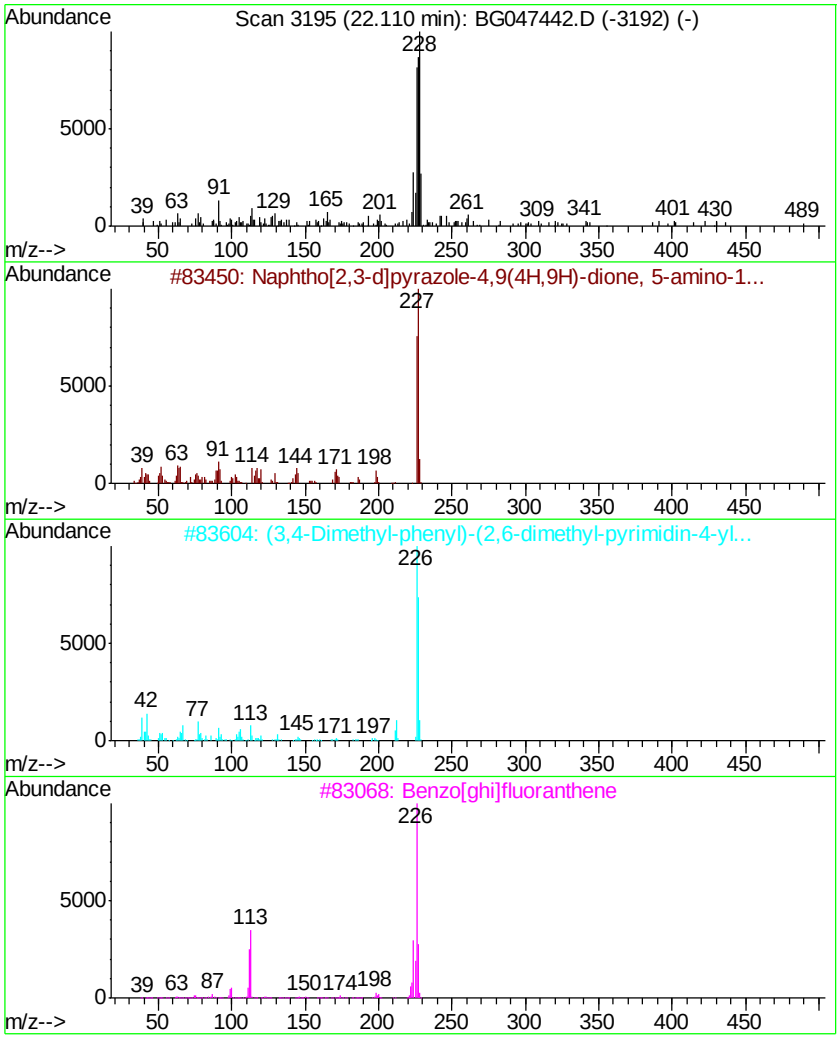
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

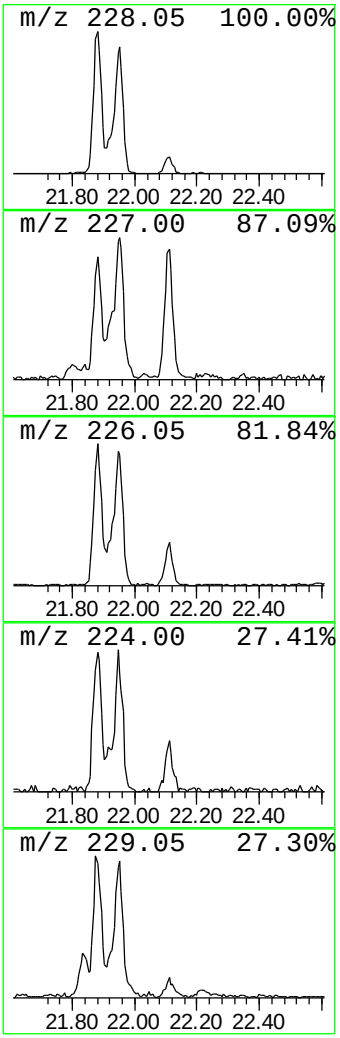
****

Peak Number 7 unknown-02 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.11	2.29 ng/ul	145475	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-d]pyrazole-4,9(4H,9H...	227	C12H9N3O2	1000263-96-1	43
2	(3,4-Dimethyl-phenyl)-(2,6-dimet...	227	C14H17N3	1000296-56-4	37
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	25
4	Triphenylene	228	C18H12	000217-59-4	22
5	3,6-Phenanthrenedicarbonitrile	228	C16H8N2	018930-78-4	22





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG112320\
Data File : BG047442.D
Acq On : 24 Nov 2020 11:56
Operator : CG/JU
Sample : L4751-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B84

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
Phenanthrene, 2-m...	18.53	2.3	ng/ul	63166	4	17.62	550407	20.0
4H-Cyclopenta[def...	18.68	4.3	ng/ul	119278	4	17.62	550407	20.0
unknown-01	19.52	2.1	ng/ul	58508	4	17.62	550407	20.0
11H-Benzo[a]fluorene	20.49	3.2	ng/ul	201342	5	21.90	1268930	20.0
11H-Benzo[b]fluorene	20.59	2.6	ng/ul	164901	5	21.90	1268930	20.0
Purine-6(1H)-thio...	21.51	2.5	ng/ul	156308	5	21.90	1268930	20.0
unknown-02	22.11	2.3	ng/ul	145475	5	21.90	1268930	20.0