LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047452.D
Acq On : 24 Nov 2020 18:48
Operator : CG/JU
Sample : L4751-05
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B90

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	3.611	43	46	50	rBV3	4976	7965	0.33%	0.033%
2	4.051	116	121	124	rBV4	2713	5230	0.22%	0.022%
3	4.151	134	138	144	rBV3	12724	20192	0.84%	0.084%
4	5.332	335	339	344	rVB5	4871	8150	0.34%	0.034%
5	5.414	349	353	358	rVB5	3691	6245	0.26%	0.026%
6	7.406	685	692	702	rVB3	101062	208282	8.69%	0.864%
7	7.582	715	722	729	rBV	63347	104504	4.36%	0.434%
8	7.800	751	759	766	rBV	100790	184763	7.71%	0.767%
9	8.270	832	839	848	rVB	138472	244119	10.19%	1.013%
10	8.963	951	957	967	rVB2	120463	207471	8.66%	0.861%
11	9.439	1030	1038	1045	rBV	104016	189810	7.92%	0.788%
12	9.850	1103	1108	1113	rVB3	3474	6621	0.28%	0.027%
13	10.168	1154	1162	1171	rVB3	89447	174197	7.27%	0.723%
14	10.708	1246	1254	1262	rBV2	141158	263426	11.00%	1.093%
15	11.102	1314	1321	1328	rBV	174615	313839	13.10%	1.302%
16	11.225	1335	1342	1348	rBV2	80249	152158	6.35%	0.631%
17	12.953	1631	1636	1639	rBV2	4871	7415	0.31%	0.031%
18	14.210	1847	1850	1855	rVB3	6656	8417	0.35%	0.035%
19	14.274	1855	1861	1866	rBV	242792	359923	15.02%	1.493%
20	14.321	1866	1869	1873	rVB2	53784	73359	3.06%	0.304%
21	14.580	1906	1913	1923	rBV2	244325	403748	16.85%	1.675%
22	14.756	1939	1943	1946	rBV	4074	4169	0.17%	0.017%
23	14.886	1959	1965	1971	rVV2	264298	433371	18.09%	1.798%
24	14.950	1971	1976	1981	rVB2	23157	38521	1.61%	0.160%
25	15.038	1986	1991	1999	rVB	81068	135048	5.64%	0.560%
26	15.279	2025	2032	2036	rBV3	22259	37282	1.56%	0.155%
27	15.491	2065	2068	2071	rVV2	3980	4244	0.18%	0.018%
28	15.549	2074	2078	2084	rVB2	4608	6574	0.27%	0.027%
29	15.867	2125	2132	2137	rBV	320572	483129	20.17%	2.005%
30	15.920	2137	2141	2145	rVV3	27222	44126	1.84%	0.183%
31	15.967	2145	2149	2155	rVB3	34218	56378	2.35%	0.234%
32	16.096	2167	2171	2174	rVB5	3888	5663	0.24%	0.023%
33	16.166	2181	2183	2186	rBV4	3747	4392	0.18%	0.018%
34	16.213	2186	2191	2196	rVB3	14272	24242	1.01%	0.101%

LSC Area Percent Report

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Operator : CG/JU
Sample : L4751-05
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B90

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	16.360	2211	2216	2223	rVB4	13405	25846	1.08%	0.107%
36	16.454	2230	2232	2236	rVB4	4663	5027	0.21%	0.021%
37	16.589	2250	2255	2260	rVB6	10195	18867	0.79%	0.078%
38	16.725	2272	2278	2281	rBV4	3973	8044	0.34%	0.033%
39	16.848	2293	2299	2301	rBV4	4440	6817	0.28%	0.028%
40	16.889	2301	2306	2307	rVV3	7606	11043	0.46%	0.046%
41	16.924	2310	2312	2316	rVV4	13437	16654	0.70%	0.069%
42	16.971	2317	2320	2325	rVB5	10603	13997	0.58%	0.058%
43	17.018	2325	2328	2329	rBV3	4263	4291	0.18%	0.018%
44	17.071	2334	2337	2341	rVB3	8206	10718	0.45%	0.044%
45	17.148	2344	2350	2352	rBV4	13968	19047	0.80%	0.079%
46	17.195	2354	2358	2365	rVB5	10203	18034	0.75%	0.075%
47	17.265	2365	2370	2376	rVB	45775	73595	3.07%	0.305%
48	17.341	2378	2383	2384	rBV4	13384	17861	0.75%	0.074%
49	17.435	2394	2399	2407	rVB	35360	56331	2.35%	0.234%
50	17.618	2424	2430	2433	rBV	328247	506546	21.15%	2.102%
51	17.665	2433	2438	2442	rVB	673381	1004764	41.94%	4.169%
52	17.718	2442	2447	2451	rBV	300788	442224	18.46%	1.835%
53	17.806	2458	2462	2466	rVV3	16781	22662	0.95%	0.094%
54	17.841	2466	2468	2471	rVB3	8624	7991	0.33%	0.033%
55	18.011	2490	2497	2502	rBV3	68247	123541	5.16%	0.513%
56	18.082	2508	2509	2514	rVB4	5864	6311	0.26%	0.026%
57	18.129	2514	2517	2521	rBV3	18876	26209	1.09%	0.109%
58	18.193	2524	2528	2534	rVB4	17079	25977	1.08%	0.108%
59	18.340	2550	2553	2555	rBV2	8353	12087	0.50%	0.050%
60	18.405	2561	2564	2568	rBV5	12692	19288	0.81%	0.080%
61	18.487	2573	2578	2582	rBV	108374	162084	6.77%	0.673%
62	18.534	2582	2586	2594	rVB2	148325	237108	9.90%	0.984%
63	18.616	2594	2600	2605	rBV	36237	64811	2.71%	0.269%
64	18.681	2605	2611	2615	rBV2	144001	291305	12.16%	1.209%
65	18.828	2631	2636	2639	rBV5	12955	20720	0.86%	0.086%
66	18.975	2656	2661	2664	rBV	102153	141907	5.92%	0.589%
67	19.016	2664	2668	2675	rVB	207926	302899	12.64%	1.257%
68	19.216	2699	2702	2706	rBV3	32494	39537	1.65%	0.164%
69	19.269	2708	2711	2714	rVV	27266	33552	1.40%	0.139%
70	19.298	2714	2716	2722	rVB5	24590	35521	1.48%	0.147%
71	19.386	2727	2731	2736	rBV2	74247	117219	4.89%	0.486%

LSC Area Percent Report

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Operator : CG/JU
Sample : L4751-05
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B90

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
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Peak separation: 5

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

72	19.527	2750	2755	2762	rVB	97227	151127	6.31%	0.627%
73	19.656	2770	2777	2782	rVB	1658737	2395520	100.00%	9.940%
74	19.703	2782	2785	2788	rVV	27440	36747	1.53%	0.152%
75	19.745	2789	2792	2796	rVB3	38789	54244	2.26%	0.225%
76	19.839	2804	2808	2812	rBV3	55218	79290	3.31%	0.329%
77	19.980	2826	2832	2834	rBV2	640963	966712	40.35%	4.011%
78	20.015	2834	2838	2844	rVV	1282531	1919854	80.14%	7.966%
79	20.074	2844	2848	2855	rVB2	96478	144599	6.04%	0.600%
80	20.179	2862	2866	2871	rVB	96093	143191	5.98%	0.594%
81	20.238	2873	2876	2883	rVB4	50780	88689	3.70%	0.368%
82	20.332	2885	2892	2897	rBV2	110007	277334	11.58%	1.151%
83	20.497	2916	2920	2924	rVB	190396	276152	11.53%	1.146%
84	20.591	2930	2936	2940	rBV	112709	193659	8.08%	0.804%
85	20.655	2940	2947	2950	rVV2	133790	284855	11.89%	1.182%
86	20.685	2950	2952	2956	rVB	60599	69233	2.89%	0.287%
87	20.790	2967	2970	2974	rBV	73228	96250	4.02%	0.399%
88	21.266	3047	3051	3059	rVB	202296	323358	13.50%	1.342%
89	21.460	3077	3084	3088	rBV2	145362	343929	14.36%	1.427%
90	21.507	3088	3092	3096	rVV	201668	317946	13.27%	1.319%
91	21.560	3097	3101	3105	rVV2	120765	228669	9.55%	0.949%
92	21.613	3106	3110	3118	rVB	205612	360250	15.04%	1.495%
93	21.883	3150	3156	3164	rBV2	747688	1879054	78.44%	7.797%
94	21.954	3164	3168	3180	rVB	680596	1224310	51.11%	5.080%
95	22.324	3226	3231	3238	rBV2	96089	185882	7.76%	0.771%
96	22.747	3299	3303	3311	rVB5	126164	261697	10.92%	1.086%
97	24.228	3546	3555	3563	rBV2	463791	1647281	68.77%	6.835%
98	24.997	3679	3686	3692	rBV2	207391	524695	21.90%	2.177%
99	25.156	3706	3713	3725	rVB	343020	979028	40.87%	4.062%
100	25.303	3731	3738	3747	rBV2	154915	469748	19.61%	1.949%

Sum of corrected areas: 24100711

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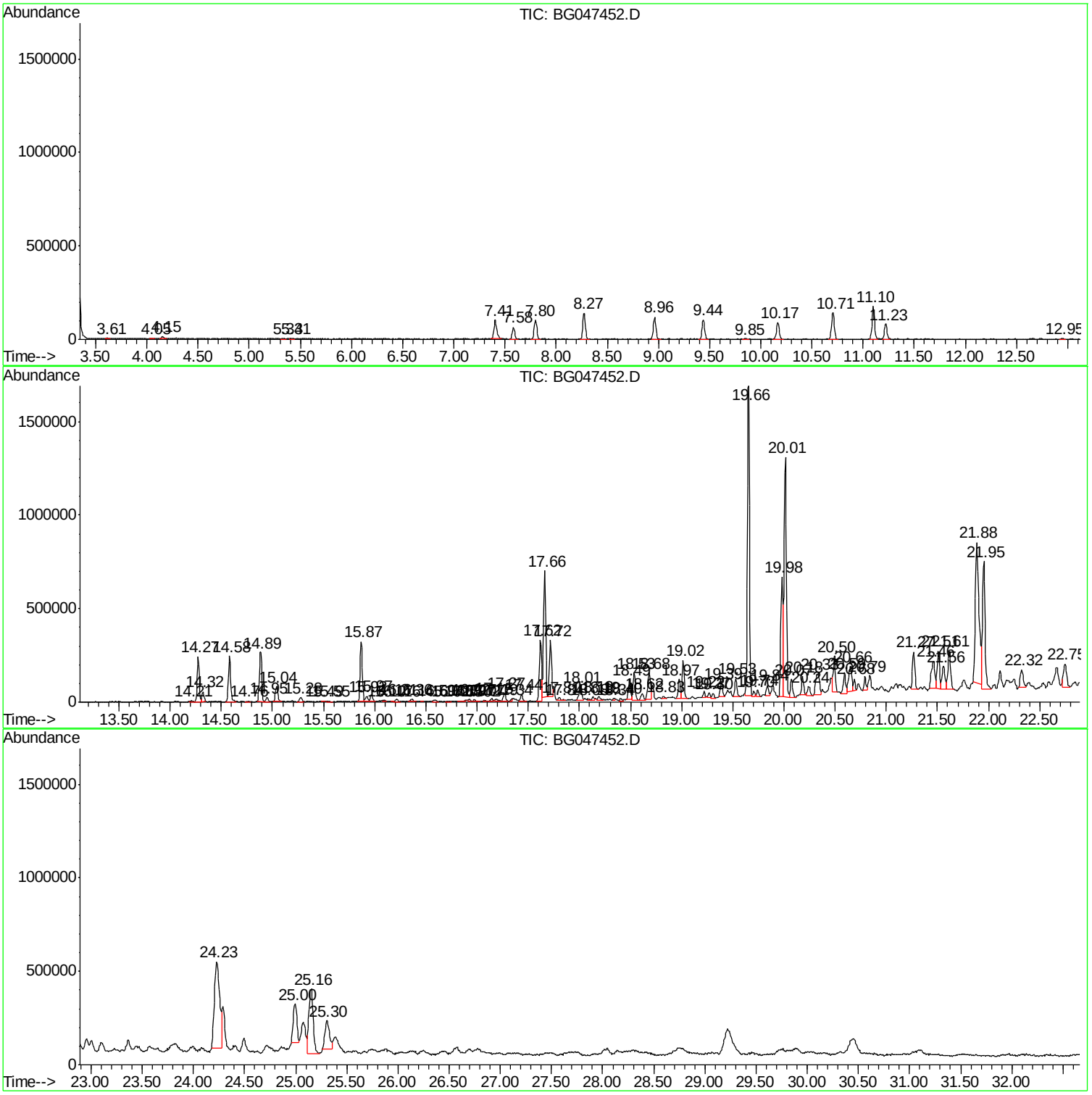
Operator : CG/JU
Sample : L4751-05
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0B90

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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Instrument : BNA_G
ClientSampleId : C0B90

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

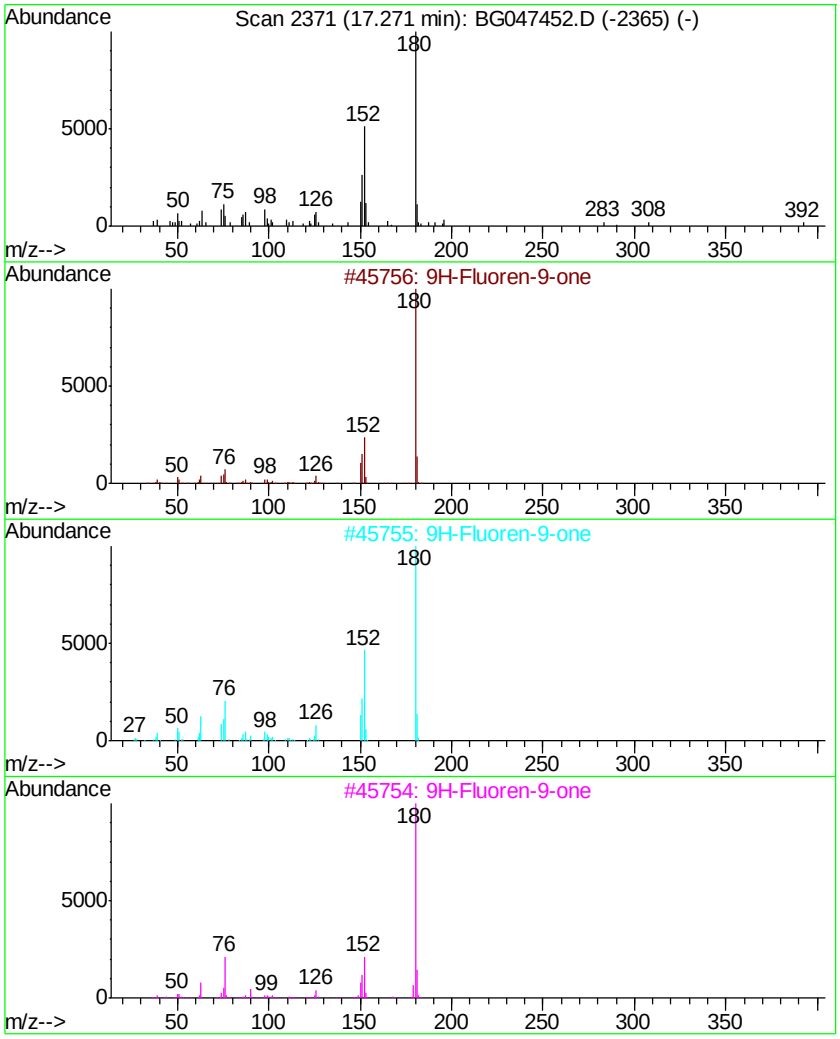
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

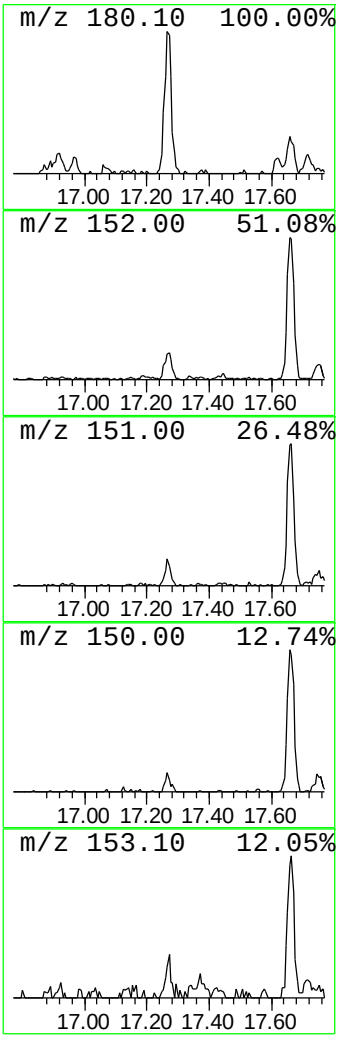
****

Peak Number 1 9H-Fluoren-9-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	2.91 ng/ul	73595	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
4	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	58
5	6H-Purine-6-thione, 9-ethyl-1,9-...	180	C7H8N4S	005427-20-3	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047452.D
Acq On : 24 Nov 2020 18:48
Operator : CG/JU
Sample : L4751-05
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B90

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

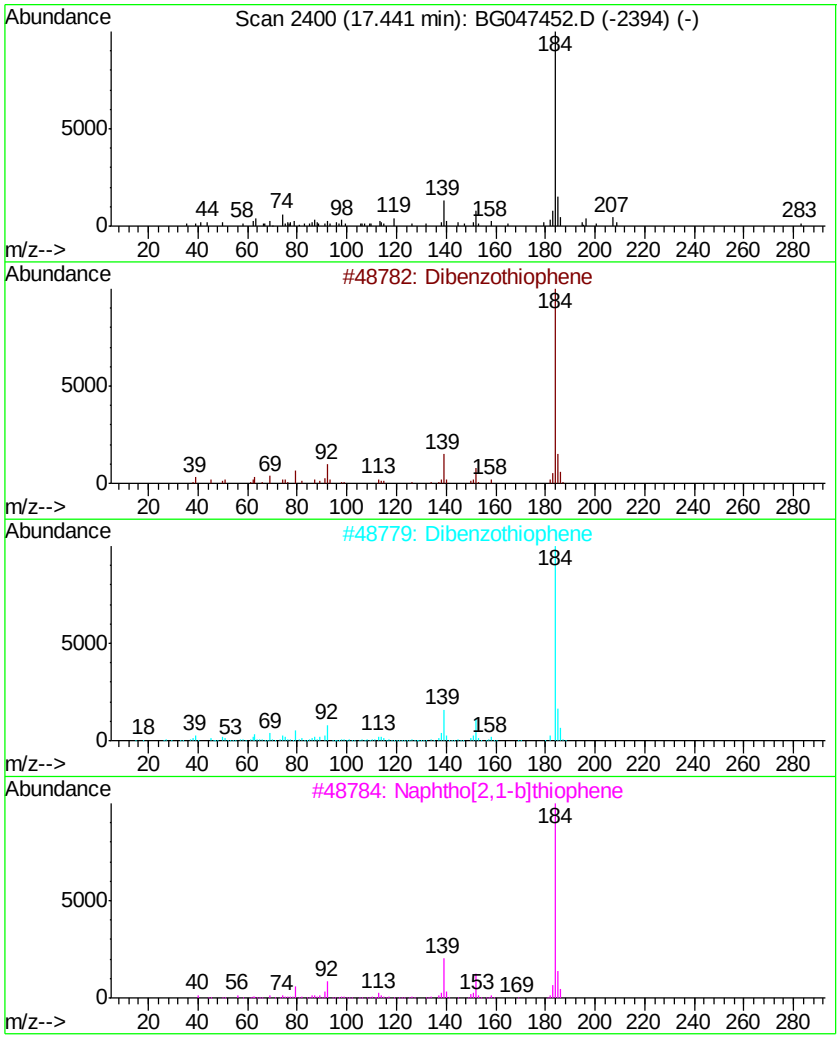
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

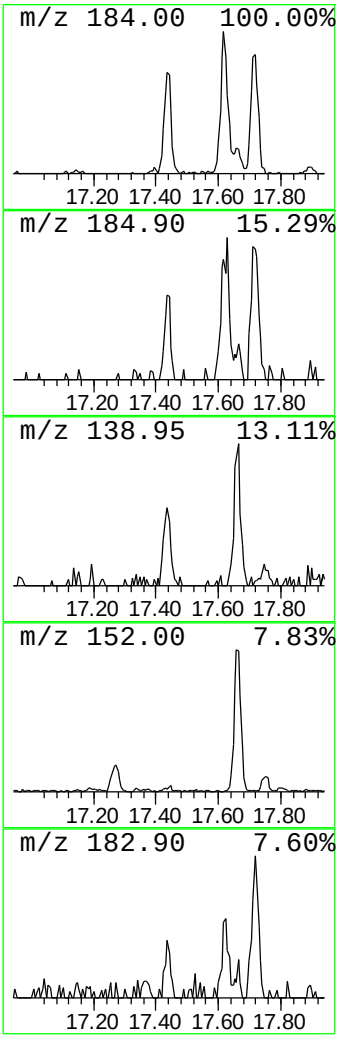
****

Peak Number 2 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.44	2.22 ng/ul	56331	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Dibenzothiophene	184	C12H8S	000132-65-0	90
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90
4	Dibenzothiophene	184	C12H8S	000132-65-0	87
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
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Acq On : 24 Nov 2020 18:48
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Misc :
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Instrument : BNA_G
ClientSampleId : C0B90

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

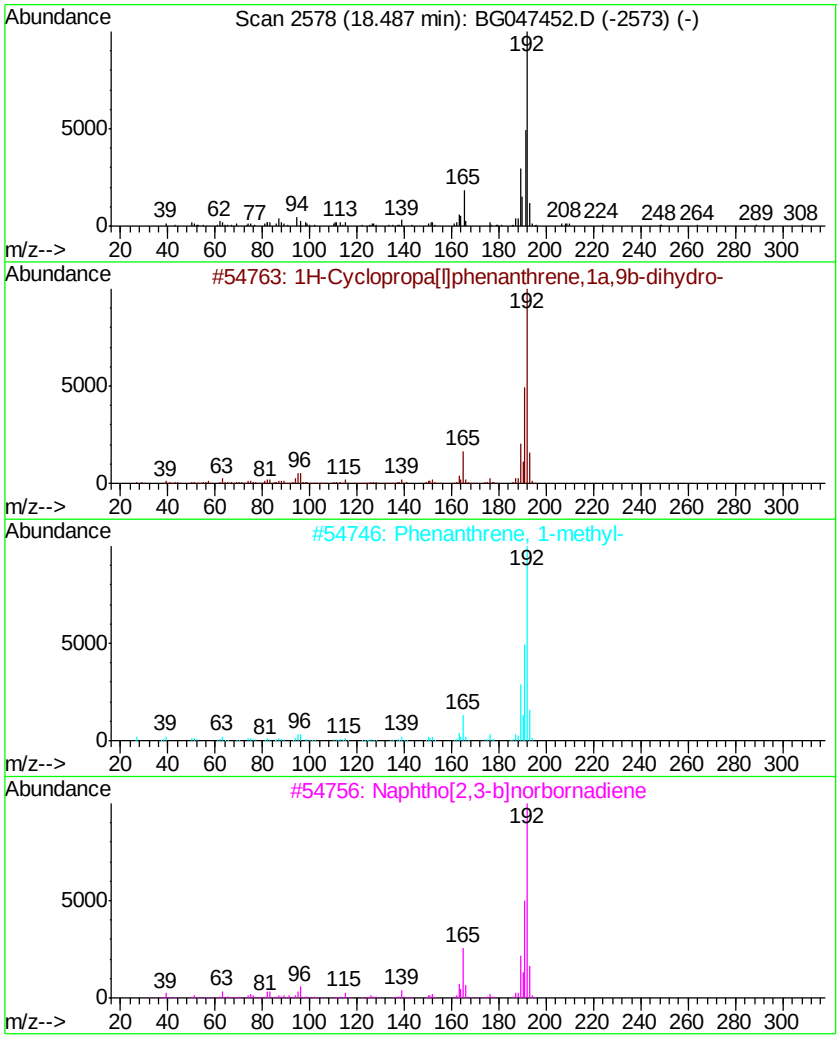
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

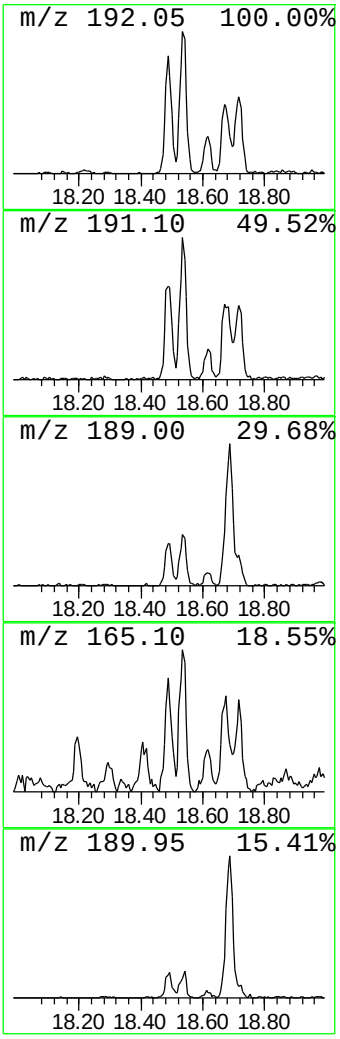
****

Peak Number 3 1H-Cyclopropa[l]phenanthren... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	6.40 ng/ul	162084	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90





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ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B90

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

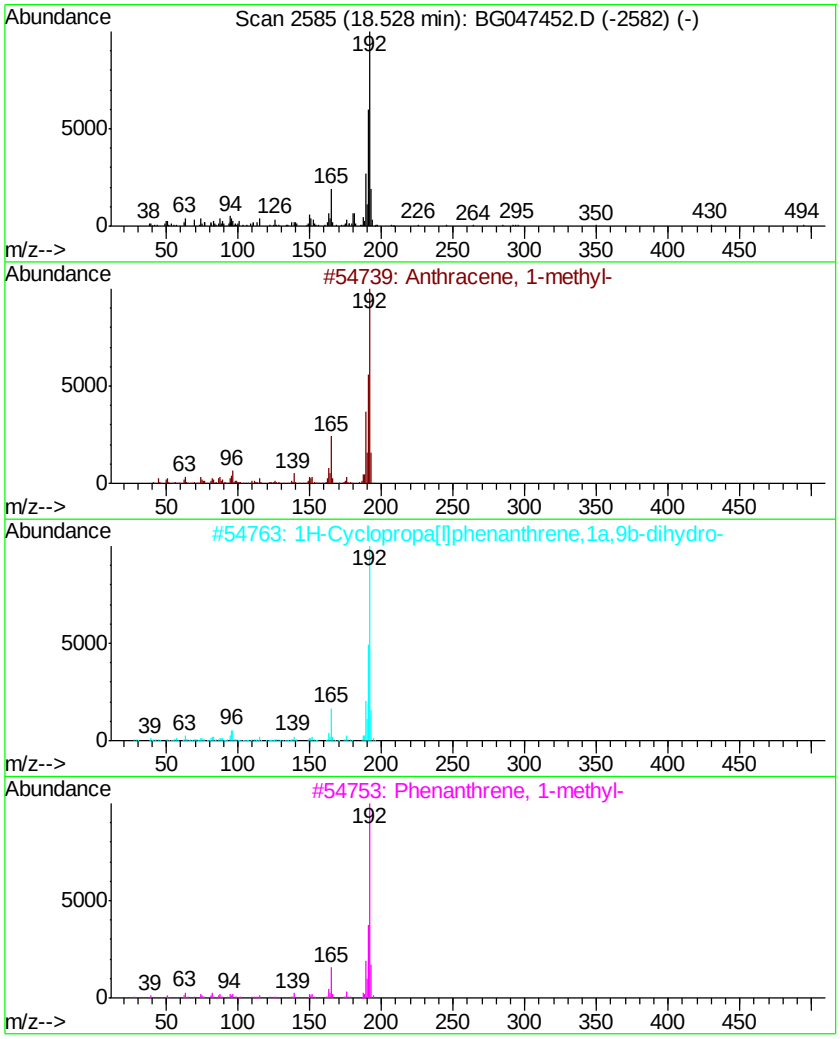
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

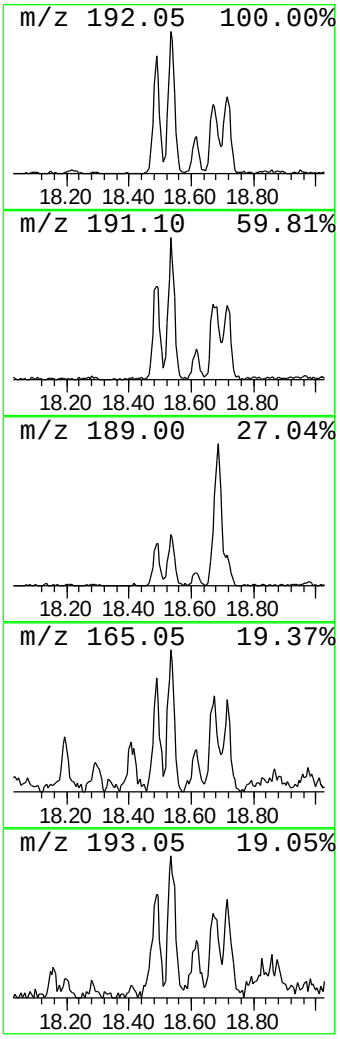
****

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	9.36 ng/ul	237108	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047452.D
Acq On : 24 Nov 2020 18:48
Operator : CG/JU
Sample : L4751-05
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B90

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

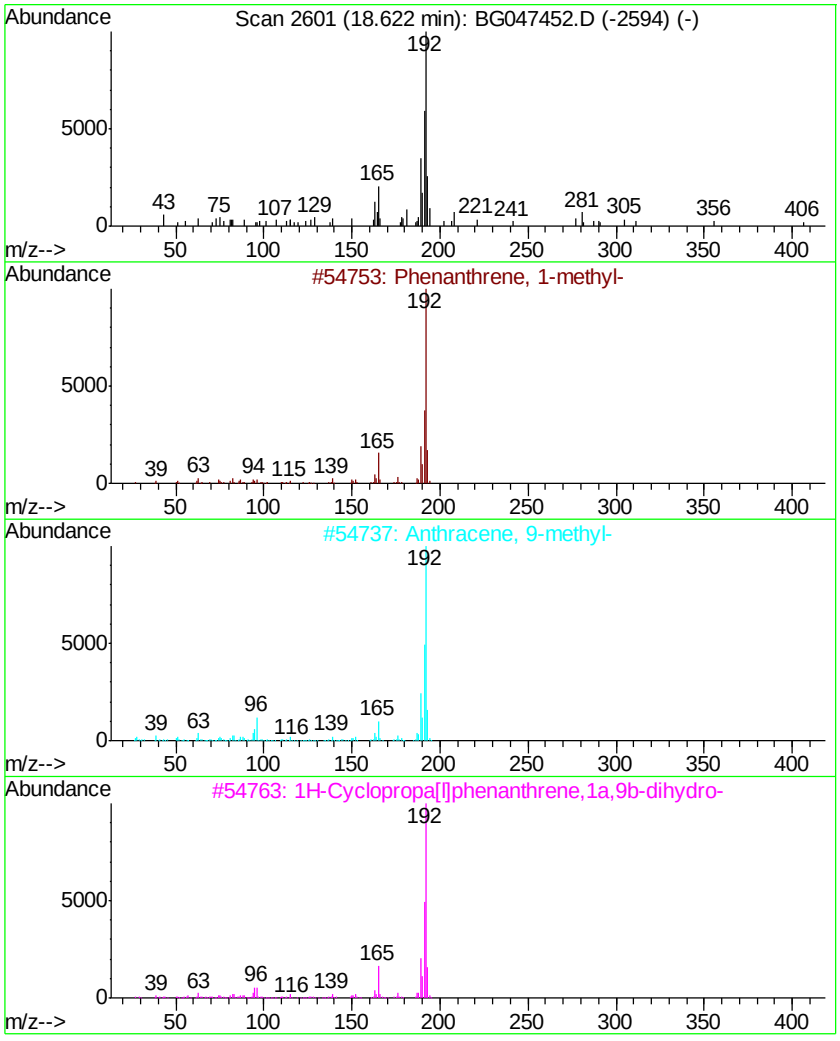
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

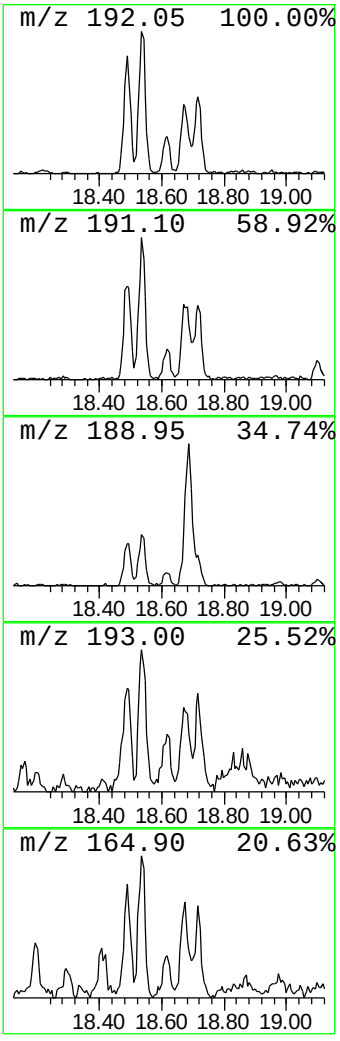
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	2.56 ng/ul	64811	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87





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Acq On : 24 Nov 2020 18:48
Operator : CG/JU
Sample : L4751-05
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B90

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Quant Title : SVOA CALIBRATION

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

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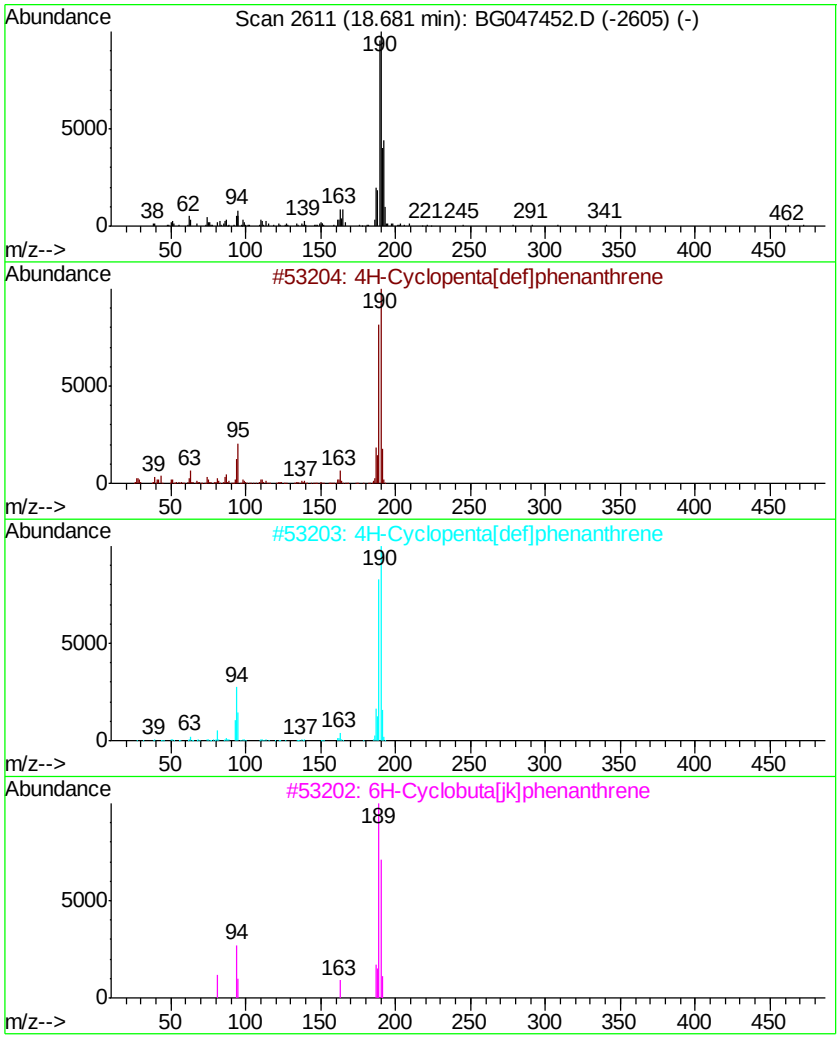
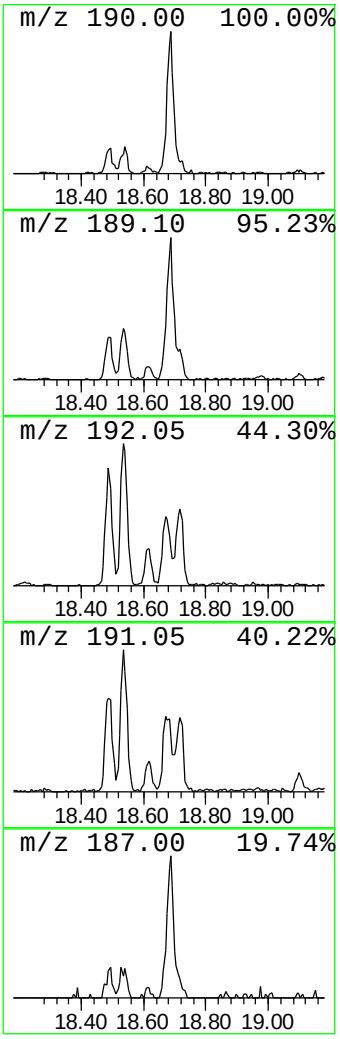
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	11.50 ng/ul	291305	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43





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Sample : L4751-05
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B90

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Quant Title : SVOA CALIBRATION

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

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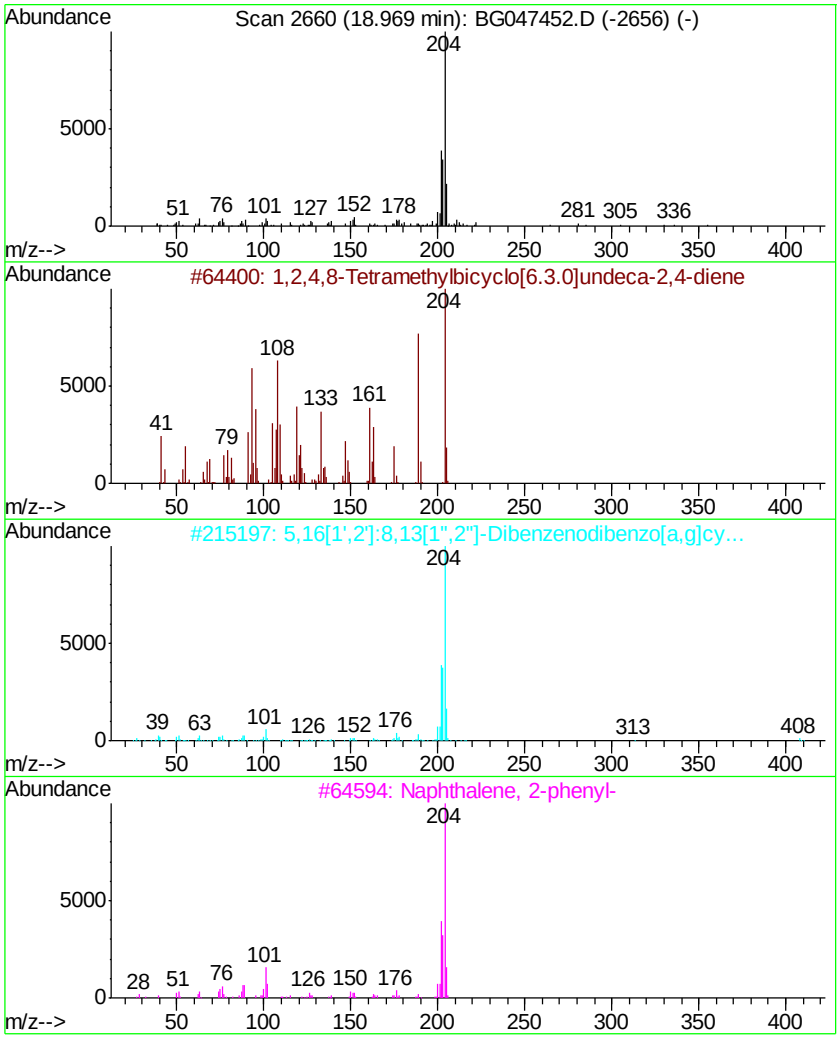
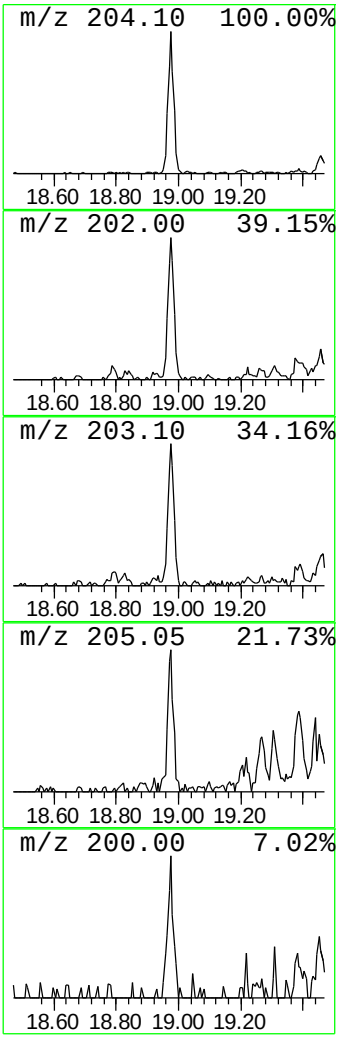
Peak Number 7 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	5.60 ng/ul	141907	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	74
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	74





Library Search Compound Report

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ClientSampleId : C0B90

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Quant Title : SVOA CALIBRATION

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

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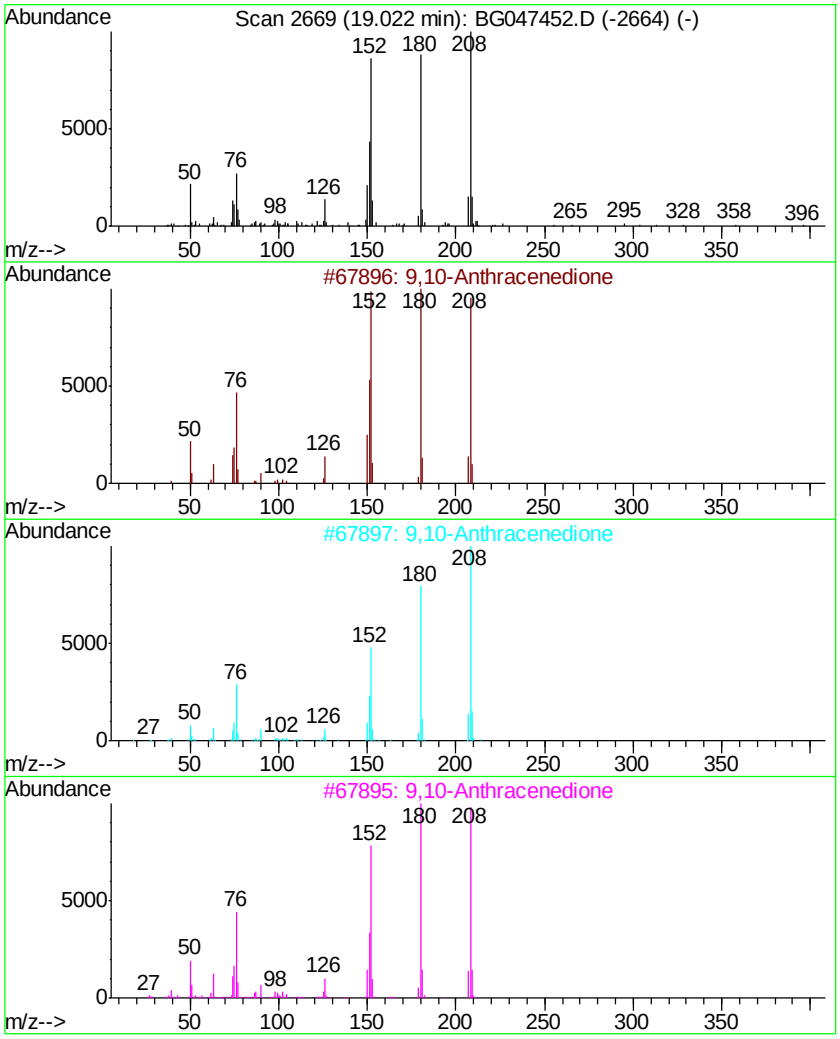
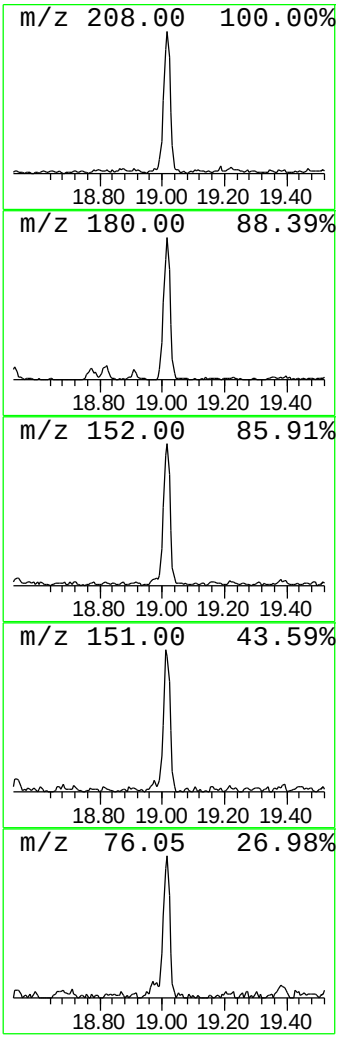
Peak Number 8 9,10-Anthracenedione Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	11.96 ng/ul	302899	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	87
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70





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Operator : CG/JU
Sample : L4751-05
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B90

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Quant Title : SVOA CALIBRATION

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

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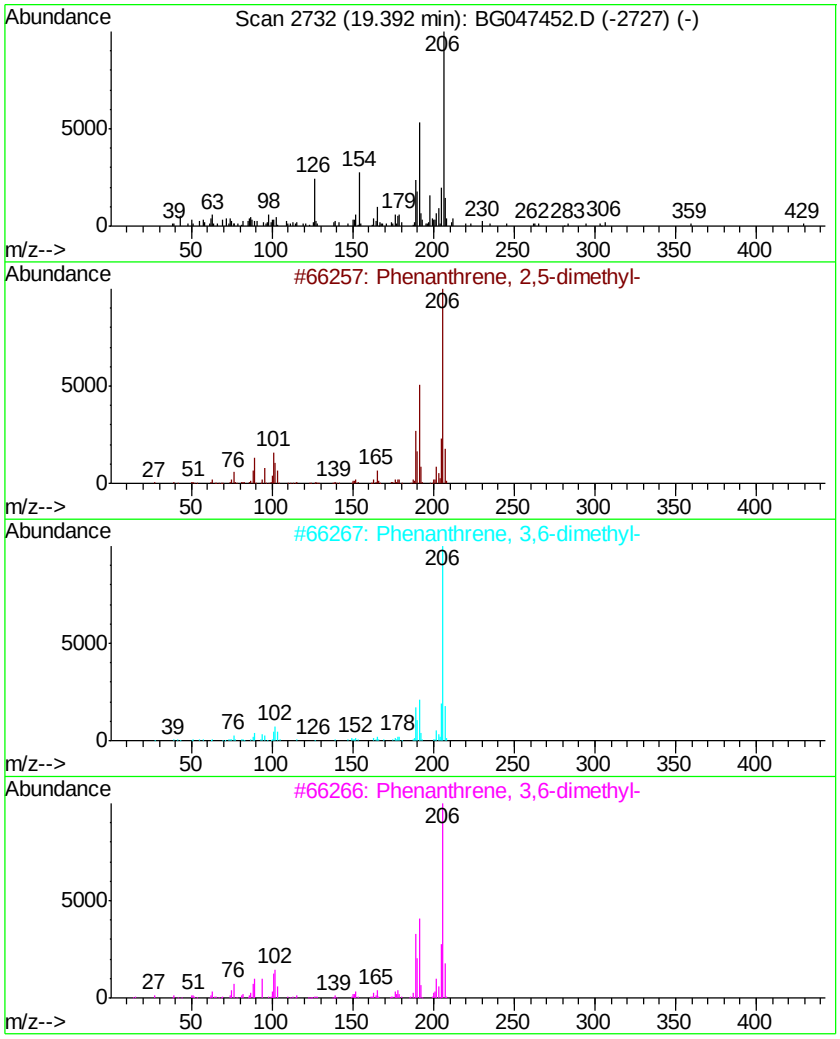
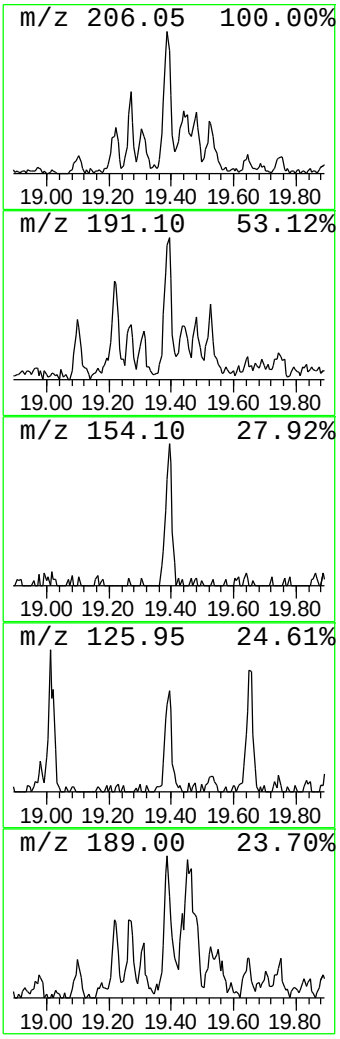
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	4.63 ng/ul	117219	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	76
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	68
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	68





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Misc :
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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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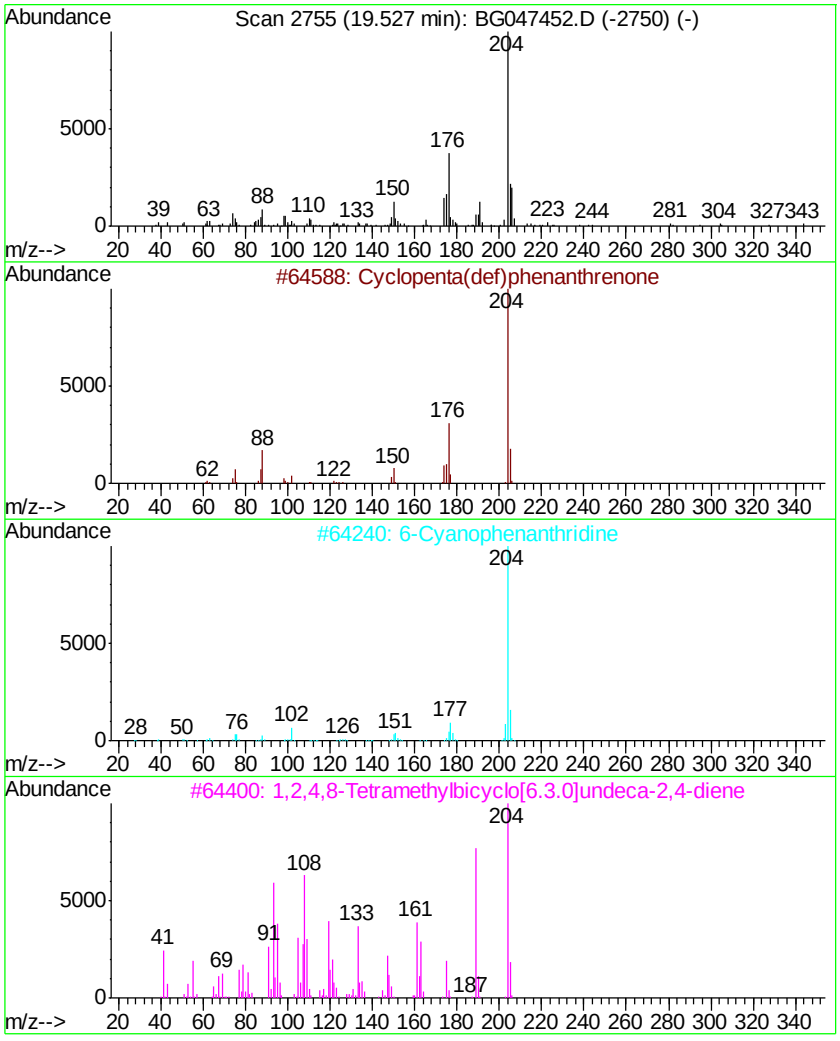
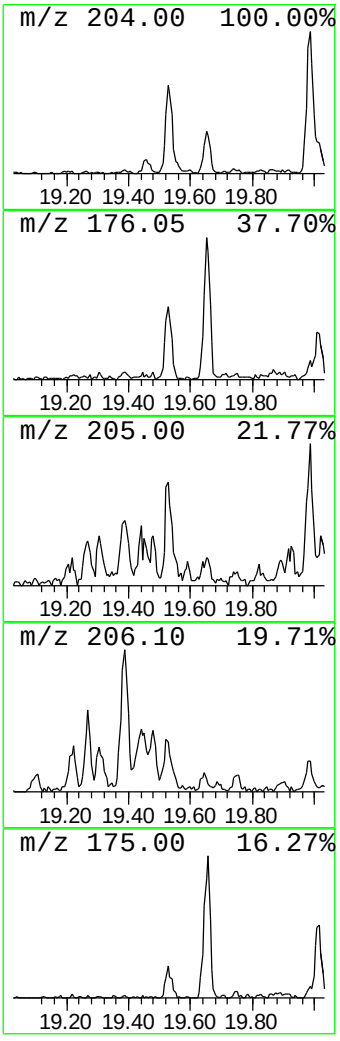
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.53	5.97 ng/ul	151127	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	81
2	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	47
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43





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Sample : L4751-05
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B90

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Quant Title : SVOA CALIBRATION

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

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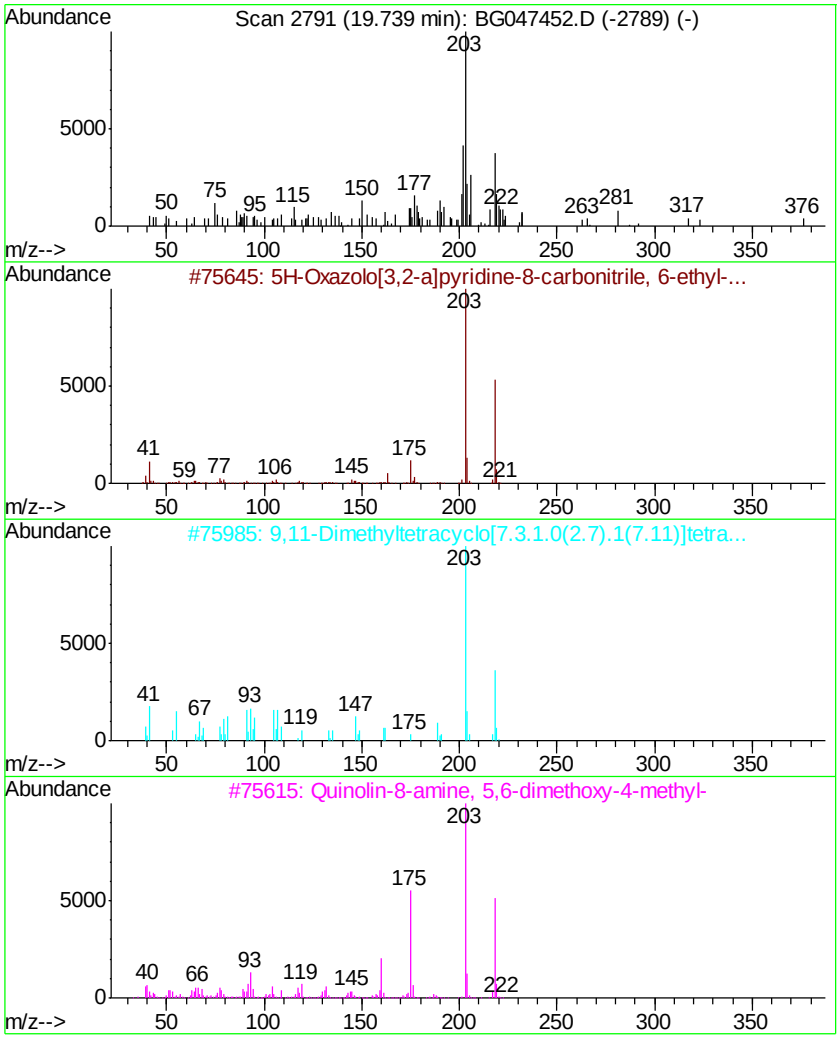
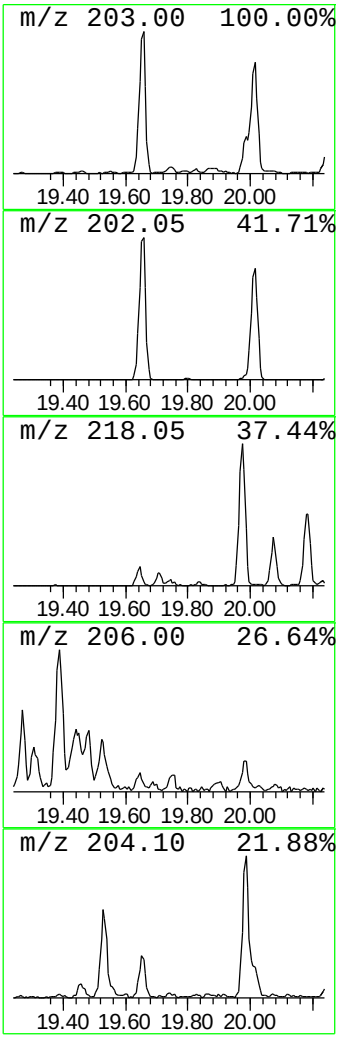
Peak Number 11 unknown-01 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.74	2.14 ng/ul	54244	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Oxazolo[3,2-a]pyridine-8-carb...	218	C12H14N2O2	1000337-58-3	46
2	9,11-Dimethyltetracyclo[7.3.1.0(...	218	C16H26	053263-99-3	46
3	Quinolin-8-amine, 5,6-dimethoxy-...	218	C12H14N2O2	064992-95-6	46
4	1,1'-Biphenyl, 3-chloro-4-methoxy-	218	C13H11ClO	021424-83-9	38
5	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	38





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Sample : L4751-05
Misc :
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Instrument : BNA_G
ClientSampleId : C0B90

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Quant Title : SVOA CALIBRATION

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

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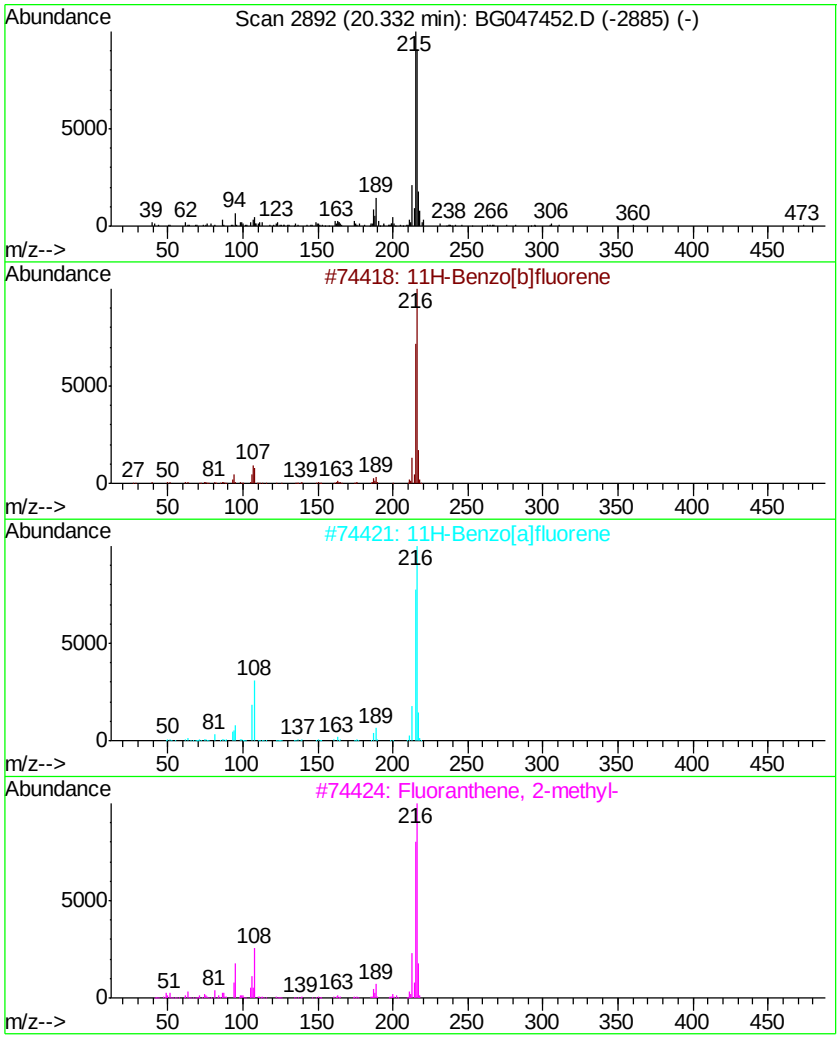
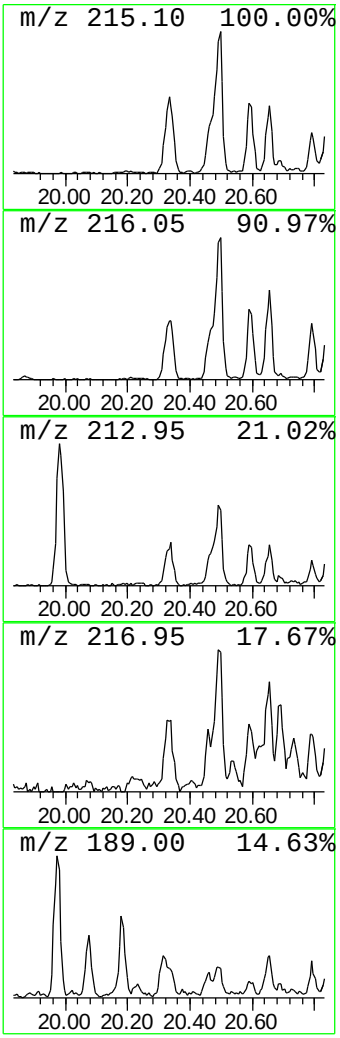
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.33	2.95 ng/ul	277334	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





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Operator : CG/JU
Sample : L4751-05
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B90

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Quant Title : SVOA CALIBRATION

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

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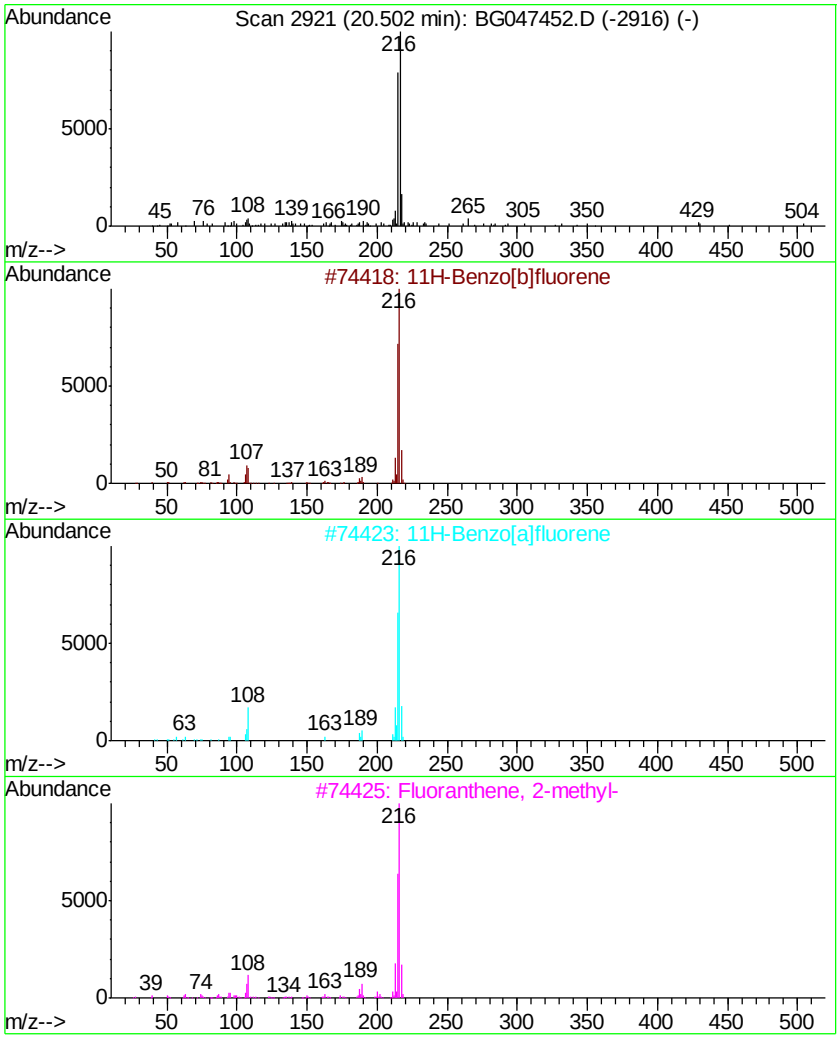
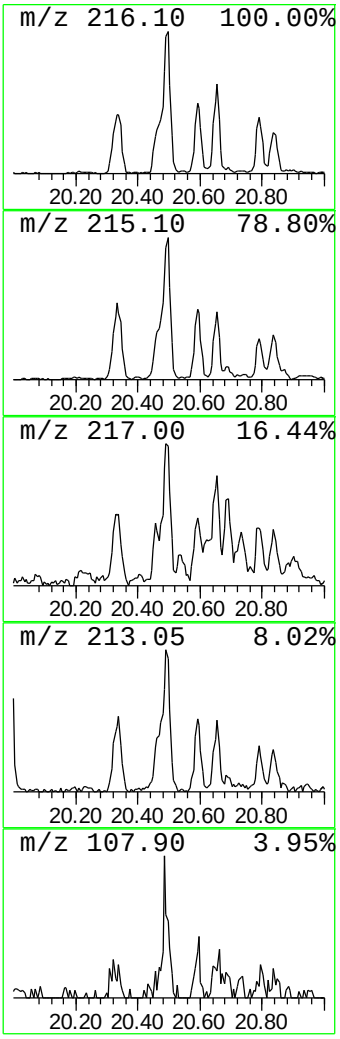
Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.50	2.94 ng/ul	276152	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	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





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Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B90

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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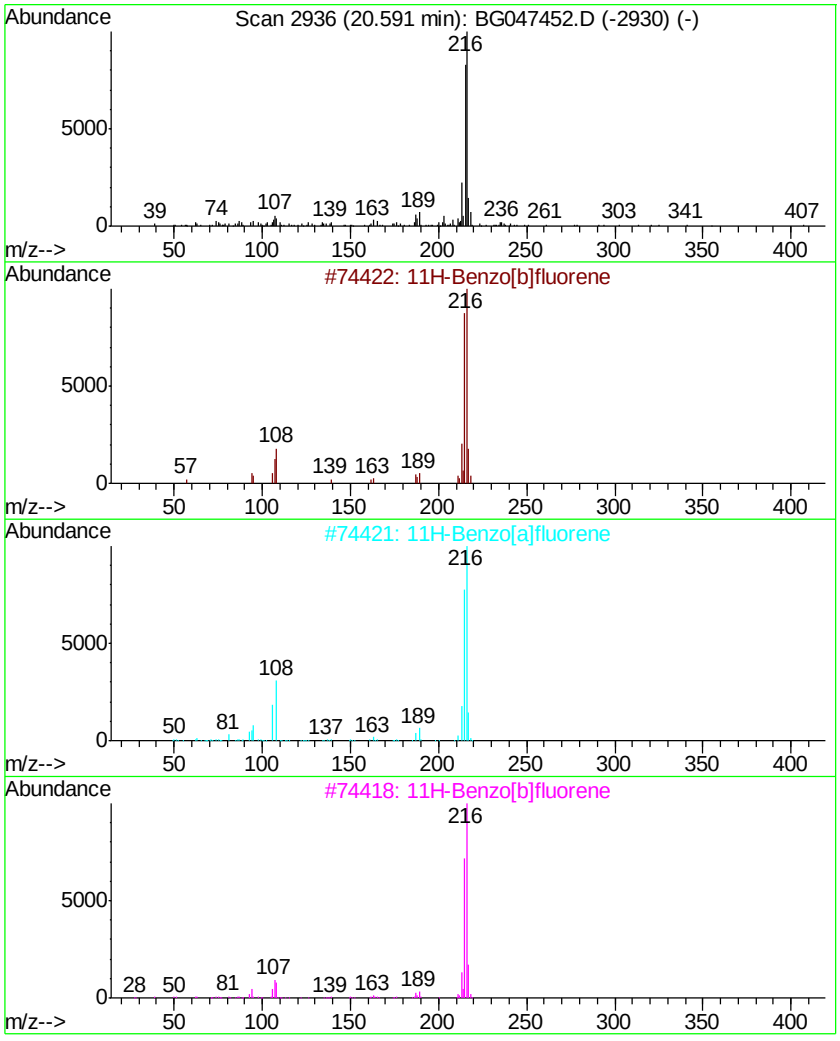
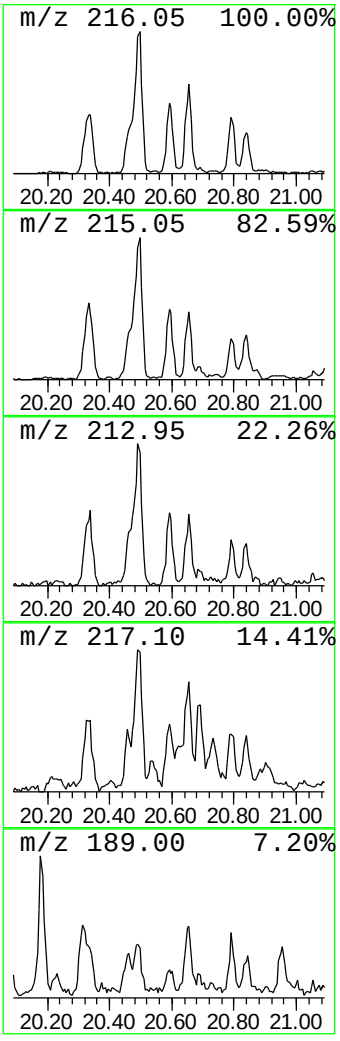
Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.59	2.06 ng/ul	193659	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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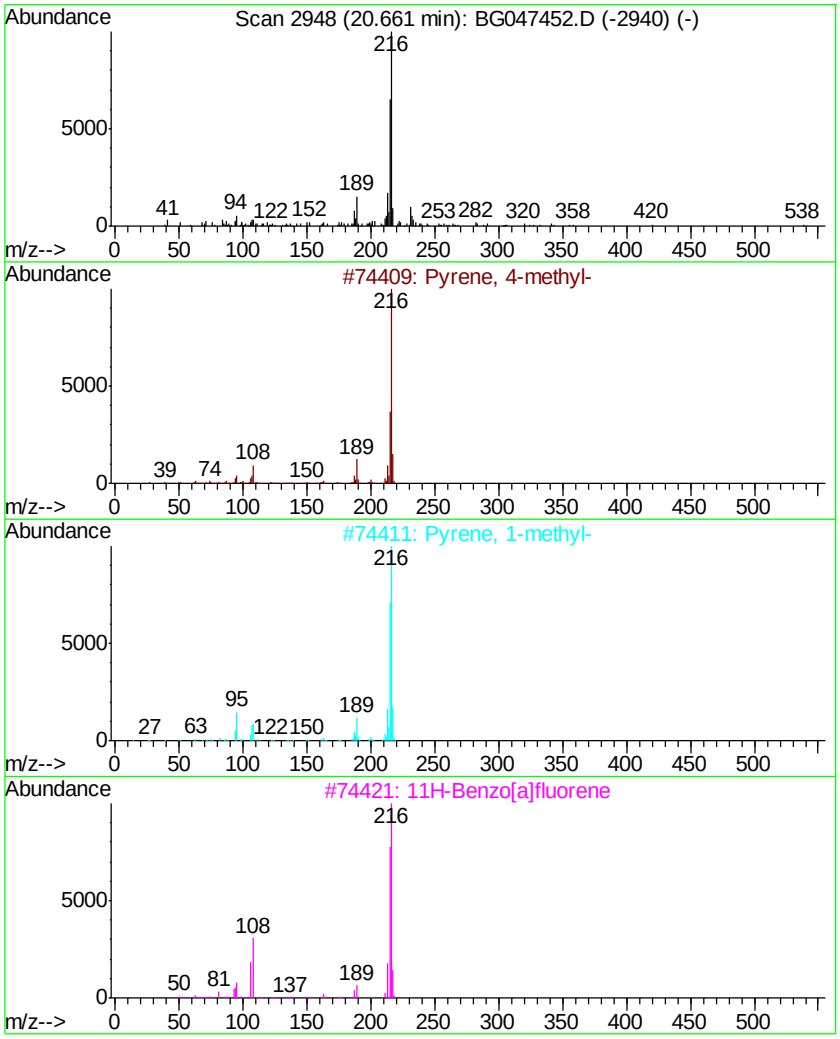
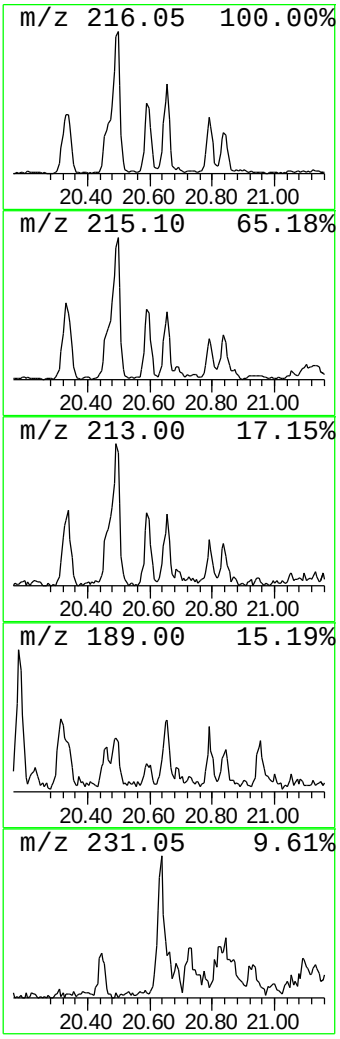
Peak Number 15 Pyrene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.66	3.03 ng/ul	284855	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83





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Instrument : BNA_G
ClientSampleId : C0B90

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Quant Title : SVOA CALIBRATION

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

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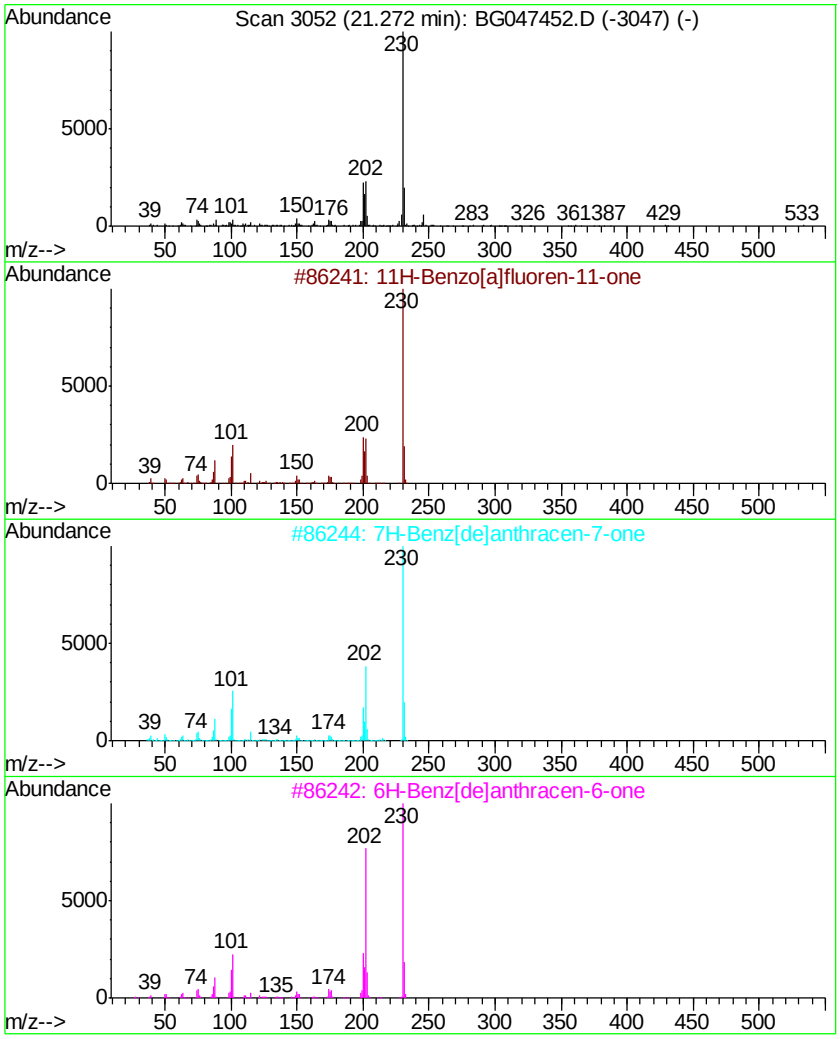
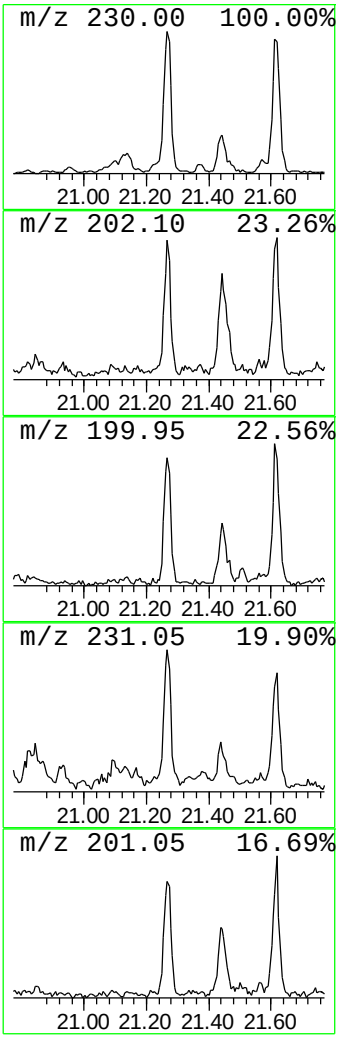
Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.27	3.44 ng/ul	323358	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	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	74
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74





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Operator : CG/JU
Sample : L4751-05
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B90

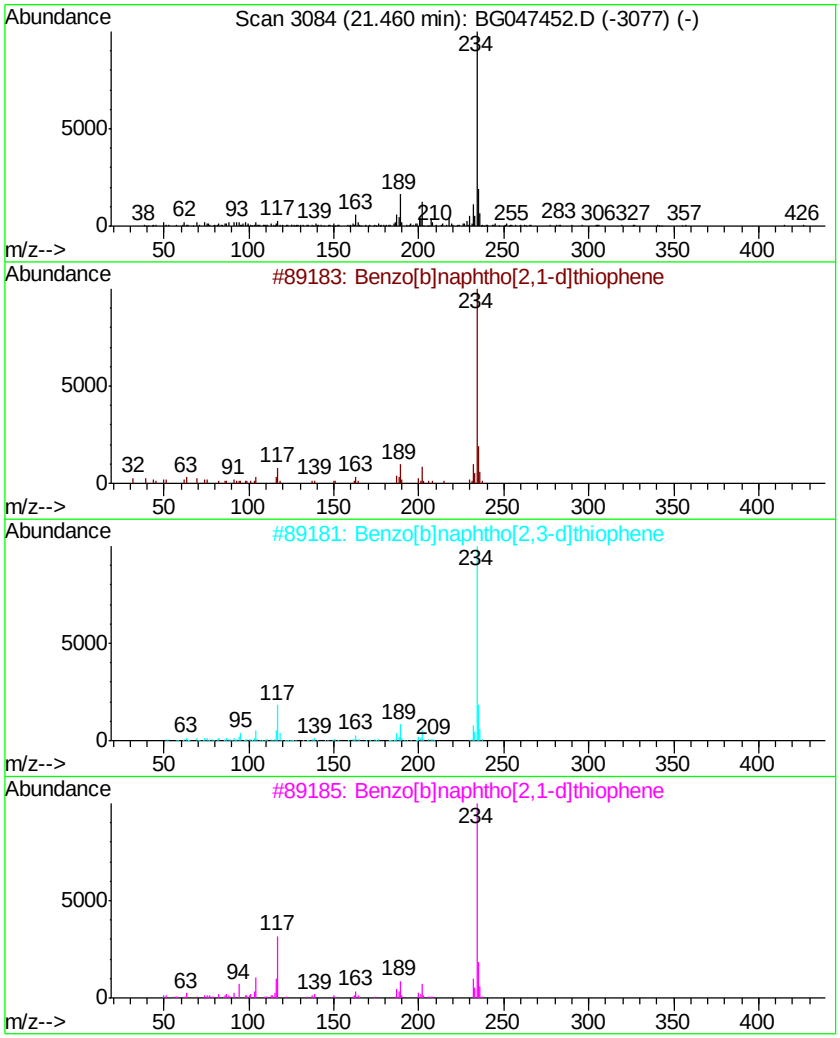
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

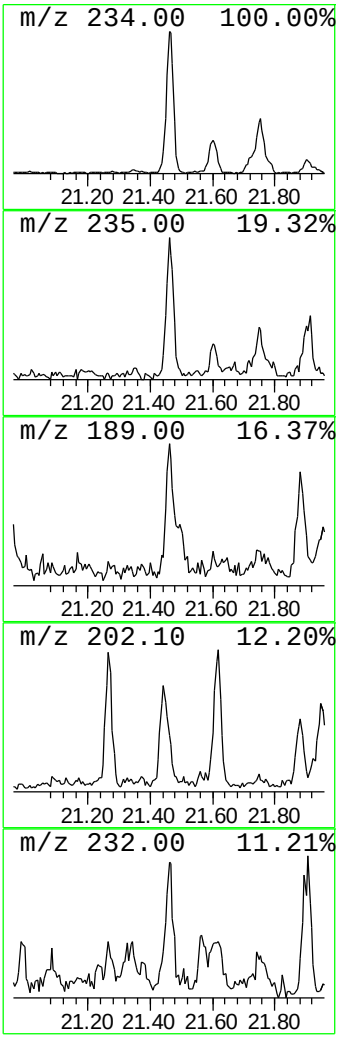
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.46	3.66 ng/ul	343929	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	91





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Data File : BG047452.D
Acq On : 24 Nov 2020 18:48
Operator : CG/JU
Sample : L4751-05
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B90

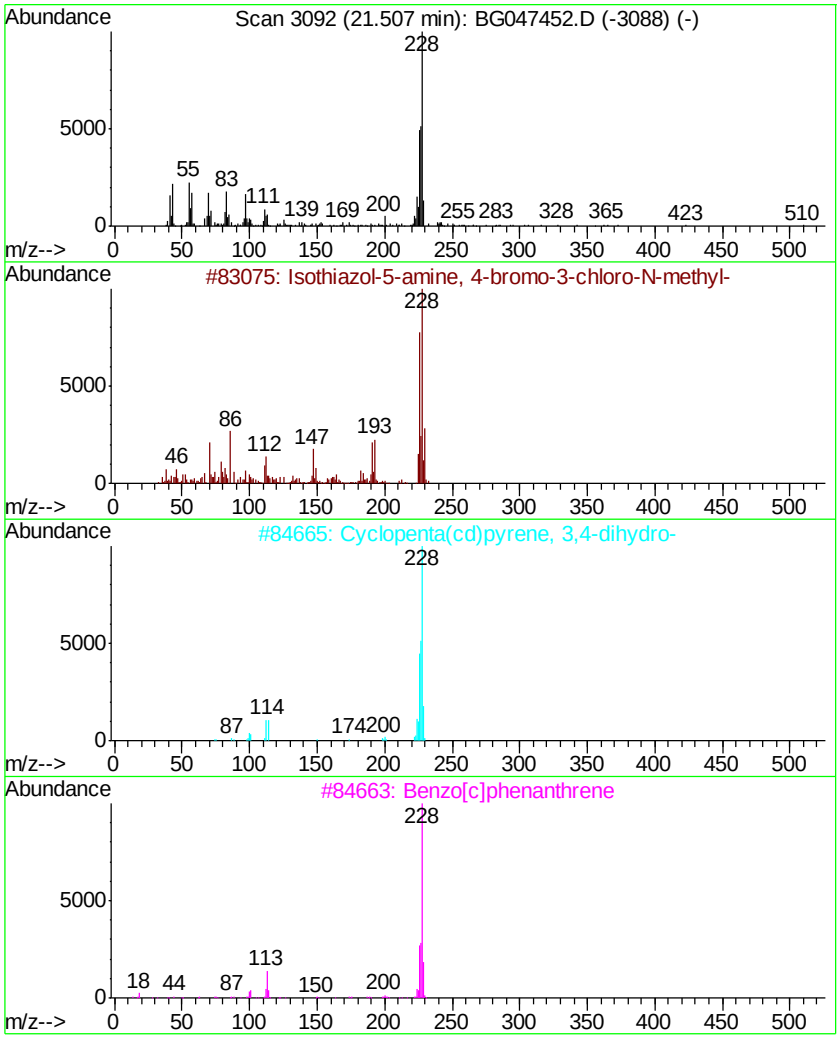
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

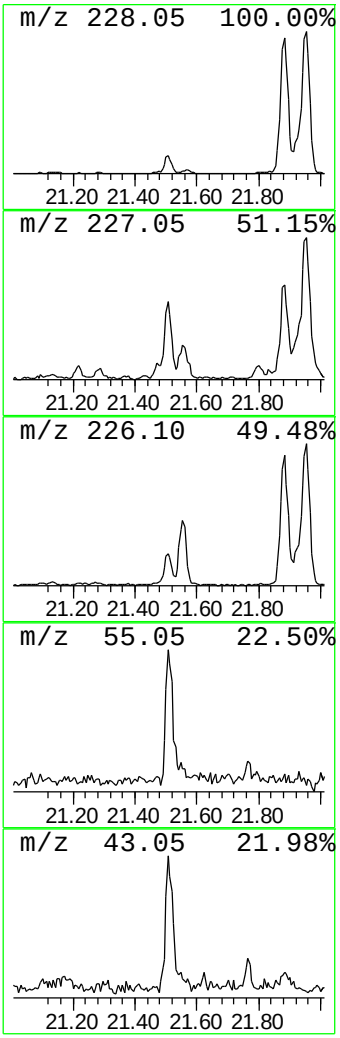
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Isothiazol-5-amine, 4-bromo... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.51	3.38 ng/ul	317946	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	53
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	49
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43
4	Triphenylene	228	C18H12	000217-59-4	38
5	Benz[a]anthracene	228	C18H12	000056-55-3	38





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Data File : BG047452.D
Acq On : 24 Nov 2020 18:48
Operator : CG/JU
Sample : L4751-05
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B90

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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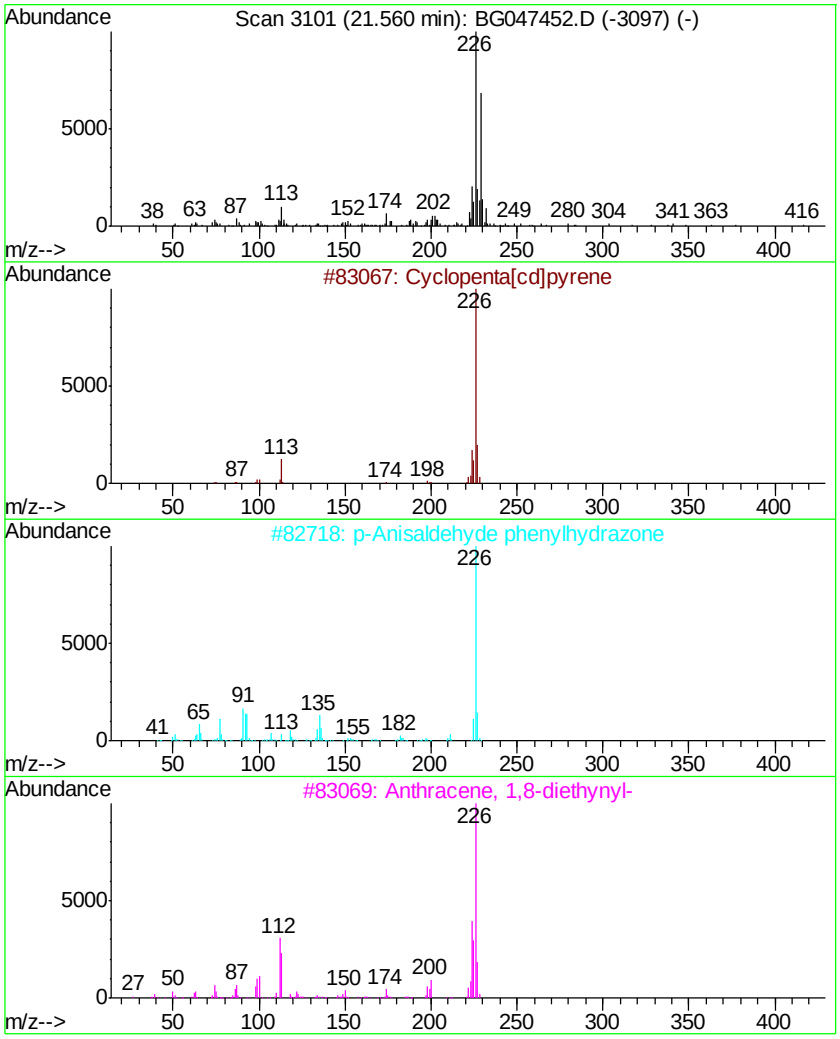
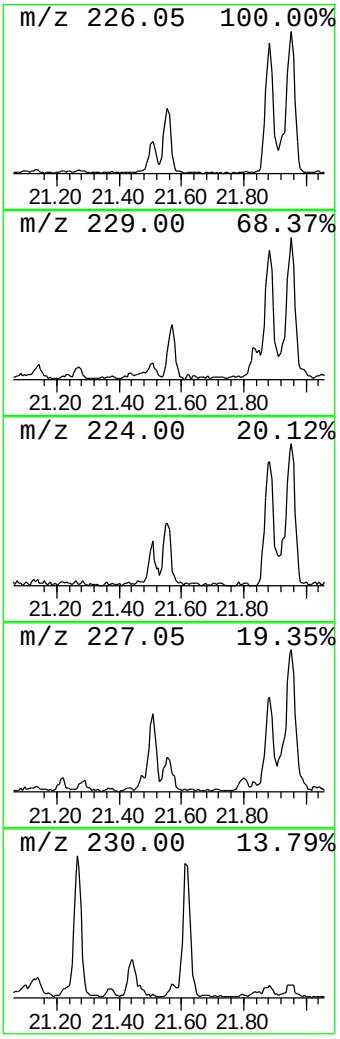
Peak Number 19 unknown-02 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.56	2.43 ng/ul	228669	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	49
2	p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	46
3	Anthracene, 1,8-diethynyl-	226	C18H10	078053-58-4	43
4	6-Methyl-4-phenyl-3-cyanopyridin...	226	C13H10N2S	078564-23-5	38
5	1,8-Diazacyclotetradecane-2,7-dione	226	C12H22N2O2	004266-66-4	38





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Data File : BG047452.D
Acq On : 24 Nov 2020 18:48
Operator : CG/JU
Sample : L4751-05
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B90

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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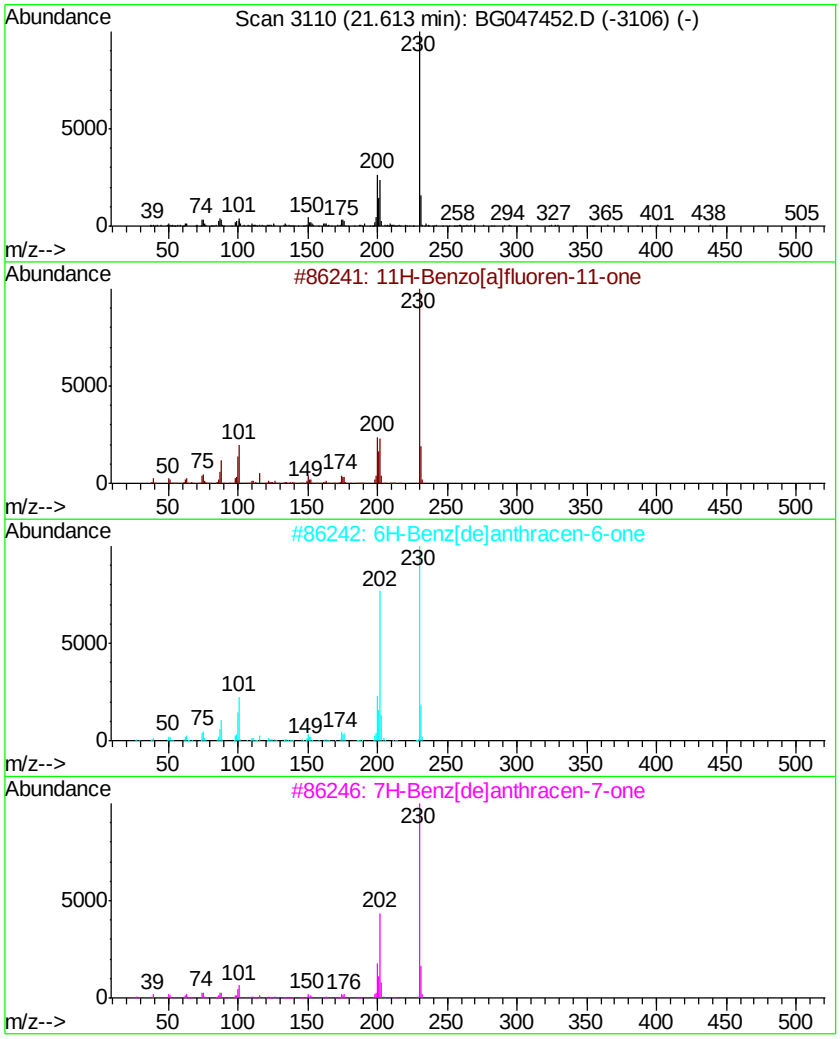
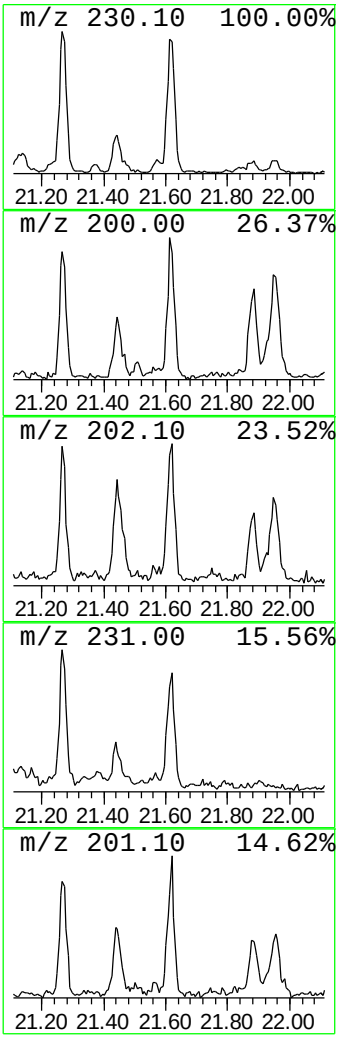
Peak Number 20 6H-Benz[de]anthracen-6-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.61	3.83 ng/ul	360250	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	68
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	62
4	4-Isothiazolecarbonitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	59
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047452.D
Acq On : 24 Nov 2020 18:48
Operator : CG/JU
Sample : L4751-05
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B90

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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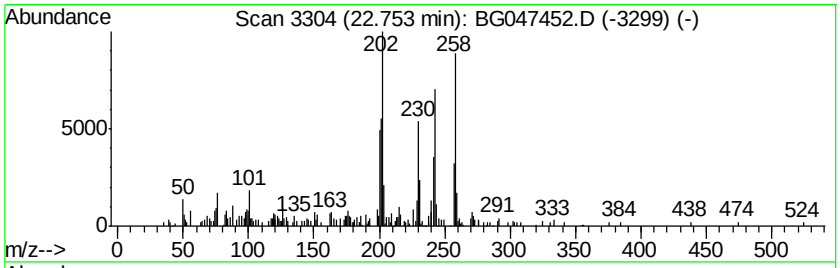
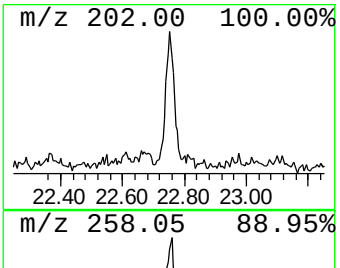
Peak Number 21 unknown-03 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.75	2.79 ng/ul	261697	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	46
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	46
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	46
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	38
5	2-Methylchrysene	242	C19H14	003351-32-4	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047452.D
Acq On : 24 Nov 2020 18:48
Operator : CG/JU
Sample : L4751-05
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B90

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

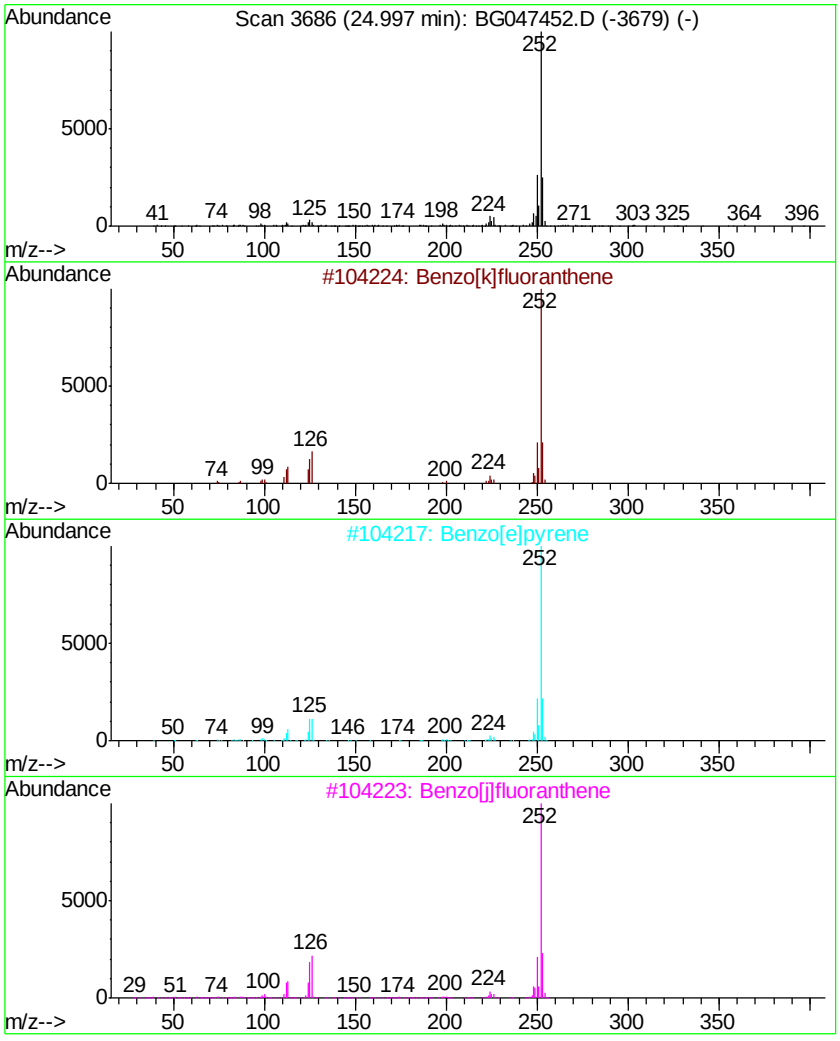
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

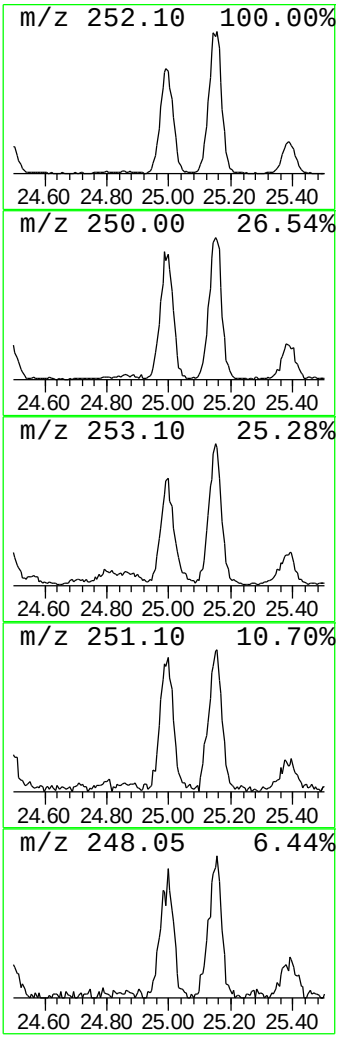
****

Peak Number 22 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.00	22.34 ng/ul	524695	Perylene-d12	25.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
2	Benzo[e]pyrene	252	C20H12	000192-97-2	83
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81
5	Perylene	252	C20H12	000198-55-0	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG112320\
Data File : BG047452.D
Acq On : 24 Nov 2020 18:48
Operator : CG/JU
Sample : L4751-05
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B90

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
9H-Fluoren-9-one	17.27	2.9	ng/ul	73595	4	17.62	506546	20.0
Dibenzothiophene	17.44	2.2	ng/ul	56331	4	17.62	506546	20.0
1H-Cyclopropa[l]p...	18.49	6.4	ng/ul	162084	4	17.62	506546	20.0
Anthracene, 1-met...	18.53	9.4	ng/ul	237108	4	17.62	506546	20.0
Phenanthrene, 1-m...	18.62	2.6	ng/ul	64811	4	17.62	506546	20.0
4H-Cyclopenta[def...	18.68	11.5	ng/ul	291305	4	17.62	506546	20.0
1,2,4,8-Tetrameth...	18.97	5.6	ng/ul	141907	4	17.62	506546	20.0
9,10-Anthracenedione	19.02	12.0	ng/ul	302899	4	17.62	506546	20.0
Phenanthrene, 2,5...	19.39	4.6	ng/ul	117219	4	17.62	506546	20.0
Cyclopenta(def)ph...	19.53	6.0	ng/ul	151127	4	17.62	506546	20.0
unknown-01	19.74	2.1	ng/ul	54244	4	17.62	506546	20.0
11H-Benzo[b]fluorene	20.33	3.0	ng/ul	277334	5	21.90	1879050	20.0
11H-Benzo[a]fluorene	20.50	2.9	ng/ul	276152	5	21.90	1879050	20.0
Fluoranthene, 2-m...	20.59	2.1	ng/ul	193659	5	21.90	1879050	20.0
Pyrene, 4-methyl-	20.66	3.0	ng/ul	284855	5	21.90	1879050	20.0
11H-Benzo[a]fluor...	21.27	3.4	ng/ul	323358	5	21.90	1879050	20.0
Benzo[b]naphtho[2...	21.46	3.7	ng/ul	343929	5	21.90	1879050	20.0
Isothiazol-5-amin...	21.51	3.4	ng/ul	317946	5	21.90	1879050	20.0
unknown-02	21.56	2.4	ng/ul	228669	5	21.90	1879050	20.0
6H-Benz[de]anthra...	21.61	3.8	ng/ul	360250	5	21.90	1879050	20.0
unknown-03	22.75	2.8	ng/ul	261697	5	21.90	1879050	20.0
Benzo[e]pyrene	25.00	22.3	ng/ul	524695	6	25.31	469748	20.0