LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047432.D
Acq On : 24 Nov 2020 4:28
Operator : CG/JU
Sample : L4711-05DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2DL

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	3.614	42	47	51	rVB5	4347	7919	0.41%	0.040%
2	5.406	351	352	356	rBV2	3111	3900	0.20%	0.020%
3	6.952	609	615	621	rBV2	42772	70716	3.66%	0.358%
4	7.404	685	692	701	rVB2	94698	168043	8.70%	0.850%
5	7.586	716	723	729	rBV	51738	92495	4.79%	0.468%
6	7.721	742	746	752	rBV2	4749	7216	0.37%	0.036%
7	7.798	752	759	765	rVV2	88219	154498	8.00%	0.781%
8	7.850	765	768	773	rVB3	5706	8834	0.46%	0.045%
9	8.274	834	840	847	rBV	153703	265690	13.76%	1.343%
10	8.961	950	957	965	rBV2	115697	197278	10.22%	0.997%
11	9.443	1031	1039	1048	rVB2	86875	162769	8.43%	0.823%
12	10.165	1156	1162	1173	rBV2	81777	154218	7.99%	0.780%
13	10.706	1248	1254	1263	rBV	135771	240749	12.47%	1.217%
14	11.105	1314	1322	1332	rBV	195331	358157	18.55%	1.811%
15	11.223	1335	1342	1349	rBV2	75898	140252	7.26%	0.709%
16	11.564	1396	1400	1406	rBV2	3436	6260	0.32%	0.032%
17	13.714	1762	1766	1770	rVV2	4412	6077	0.31%	0.031%
18	13.767	1770	1775	1782	rVB4	50167	85372	4.42%	0.432%
19	14.219	1845	1852	1857	rBV2	166725	244433	12.66%	1.236%
20	14.278	1857	1862	1866	rVV	221646	323164	16.74%	1.634%
21	14.325	1866	1870	1876	rVB	83729	124644	6.46%	0.630%
22	14.507	1898	1901	1906	rBV2	3059	3760	0.19%	0.019%
23	14.584	1906	1914	1920	rBV	219965	361415	18.72%	1.827%
24	14.719	1933	1937	1941	rBV2	4273	5945	0.31%	0.030%
25	14.842	1952	1958	1961	rBV2	69822	109808	5.69%	0.555%
26	14.883	1961	1965	1972	rVB	293397	461260	23.89%	2.332%
27	14.948	1972	1976	1980	rBV3	15490	24084	1.25%	0.122%
28	15.042	1986	1992	2000	rVB3	90994	142239	7.37%	0.719%
29	15.136	2003	2008	2010	rBV5	9948	16315	0.85%	0.082%
30	15.201	2015	2019	2025	rVB5	7809	13670	0.71%	0.069%
31	15.283	2027	2033	2037	rVB4	9558	16206	0.84%	0.082%
32	15.671	2095	2099	2102	rBV5	4688	7487	0.39%	0.038%
33	15.765	2111	2115	2116	rBV2	3390	4023	0.21%	0.020%
34	15.782	2116	2118	2121	rVV4	5936	7101	0.37%	0.036%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047432.D
Acq On : 24 Nov 2020 4:28
Operator : CG/JU
Sample : L4711-05DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2DL

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	15.870	2125	2133	2138	rBV	286486	425449	22.04%	2.151%
36	15.923	2138	2142	2146	rVV	19992	28548	1.48%	0.144%
37	15.970	2146	2150	2154	rVB3	33012	49398	2.56%	0.250%
38	16.200	2186	2189	2190	rBV3	5614	6002	0.31%	0.030%
39	16.346	2206	2214	2222	rBV5	17070	43112	2.23%	0.218%
40	16.440	2225	2230	2236	rBV4	4639	13115	0.68%	0.066%
41	16.587	2249	2255	2260	rVB8	7881	15292	0.79%	0.077%
42	16.693	2268	2273	2274	rBV3	3927	4373	0.23%	0.022%
43	16.746	2279	2282	2284	rBV3	4254	4804	0.25%	0.024%
44	16.846	2298	2299	2303	rVB3	5153	4674	0.24%	0.024%
45	16.916	2309	2311	2317	rVB5	8836	14318	0.74%	0.072%
46	16.969	2317	2320	2325	rBV5	4326	9249	0.48%	0.047%
47	17.145	2346	2350	2352	rVV2	8220	12347	0.64%	0.062%
48	17.192	2355	2358	2361	rVB2	5817	8719	0.45%	0.044%
49	17.269	2367	2371	2376	rVB4	15653	20382	1.06%	0.103%
50	17.351	2380	2385	2387	rBV5	11391	19595	1.01%	0.099%
51	17.439	2396	2400	2406	rVB2	24081	34285	1.78%	0.173%
52	17.551	2416	2419	2422	rBV4	3046	4367	0.23%	0.022%
53	17.621	2425	2431	2434	rBV	368002	575277	29.80%	2.908%
54	17.663	2434	2438	2443	rVV	457489	685693	35.52%	3.467%
55	17.715	2443	2447	2451	rVV	284454	449638	23.29%	2.273%
56	17.751	2451	2453	2458	rVV	105894	131751	6.82%	0.666%
57	17.804	2458	2462	2467	rVB3	16446	29877	1.55%	0.151%
58	17.886	2475	2476	2479	rBV3	5257	4626	0.24%	0.023%
59	17.974	2488	2491	2492	rBV2	6201	5408	0.28%	0.027%
60	18.009	2492	2497	2503	rVV2	38599	67206	3.48%	0.340%
61	18.127	2515	2517	2525	rVV5	11207	16447	0.85%	0.083%
62	18.197	2527	2529	2534	rVB5	13809	13713	0.71%	0.069%
63	18.338	2549	2553	2557	rBV5	5068	7178	0.37%	0.036%
64	18.485	2573	2578	2583	rBV2	93315	155552	8.06%	0.786%
65	18.538	2583	2587	2593	rVB2	108376	157454	8.16%	0.796%
66	18.614	2595	2600	2605	rVB	31941	51116	2.65%	0.258%
67	18.685	2605	2612	2616	rBV2	110190	234918	12.17%	1.188%
68	18.767	2624	2626	2627	rBV2	7450	5280	0.27%	0.027%
69	18.979	2657	2662	2665	rBV	74215	107937	5.59%	0.546%
70	19.014	2665	2668	2675	rVB	109027	148418	7.69%	0.750%
71	19.102	2681	2683	2687	rVB5	9683	10932	0.57%	0.055%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047432.D
Acq On : 24 Nov 2020 4:28
Operator : CG/JU
Sample : L4711-05DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2DL

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	19.219	2699	2703	2707	rBV5	21554	35992	1.86%	0.182%
73	19.267	2707	2711	2715	rVV3	21834	35048	1.82%	0.177%
74	19.302	2715	2717	2722	rVB4	16644	20747	1.07%	0.105%
75	19.390	2727	2732	2737	rBV2	49229	86230	4.47%	0.436%
76	19.437	2738	2740	2741	rBV2	12096	7046	0.36%	0.036%
77	19.531	2752	2756	2763	rVB2	52086	78610	4.07%	0.397%
78	19.654	2771	2777	2783	rVB	1368891	1930683	100.00%	9.761%
79	19.742	2789	2792	2796	rVB6	30591	43328	2.24%	0.219%
80	19.836	2805	2808	2811	rBV5	26496	30035	1.56%	0.152%
81	19.983	2827	2833	2835	rBV2	565968	911409	47.21%	4.608%
82	20.013	2835	2838	2845	rVV	1041505	1445073	74.85%	7.306%
83	20.077	2845	2849	2854	rVB2	57074	83342	4.32%	0.421%
84	20.183	2863	2867	2873	rBV	78358	111887	5.80%	0.566%
85	20.324	2886	2891	2892	rBV2	72934	112057	5.80%	0.567%
86	20.494	2916	2920	2925	rVB	199334	276353	14.31%	1.397%
87	20.594	2932	2937	2940	rBV2	135848	197437	10.23%	0.998%
88	20.688	2951	2953	2957	rVB	56534	53741	2.78%	0.272%
89	20.794	2968	2971	2974	rVB	36857	43881	2.27%	0.222%
90	21.270	3048	3052	3057	rVB	119941	177711	9.20%	0.898%
91	21.329	3058	3062	3067	rVB	191786	259960	13.46%	1.314%
92	21.511	3089	3093	3097	rVB	129550	177339	9.19%	0.897%
93	21.617	3107	3111	3118	rVB3	130790	223885	11.60%	1.132%
94	21.887	3151	3157	3164	rBV2	684095	1692276	87.65%	8.556%
95	21.952	3165	3168	3180	rVB	528622	926091	47.97%	4.682%
96	22.110	3191	3195	3200	rBV	86172	153260	7.94%	0.775%
97	24.225	3547	3555	3564	rBV	385334	1409403	73.00%	7.125%
98	24.995	3680	3686	3694	rVB2	180754	420702	21.79%	2.127%
99	25.148	3706	3712	3727	rVB	316480	928876	48.11%	4.696%
100	25.306	3734	3739	3748	rBV2	133908	335075	17.36%	1.694%

Sum of corrected areas: 19779924

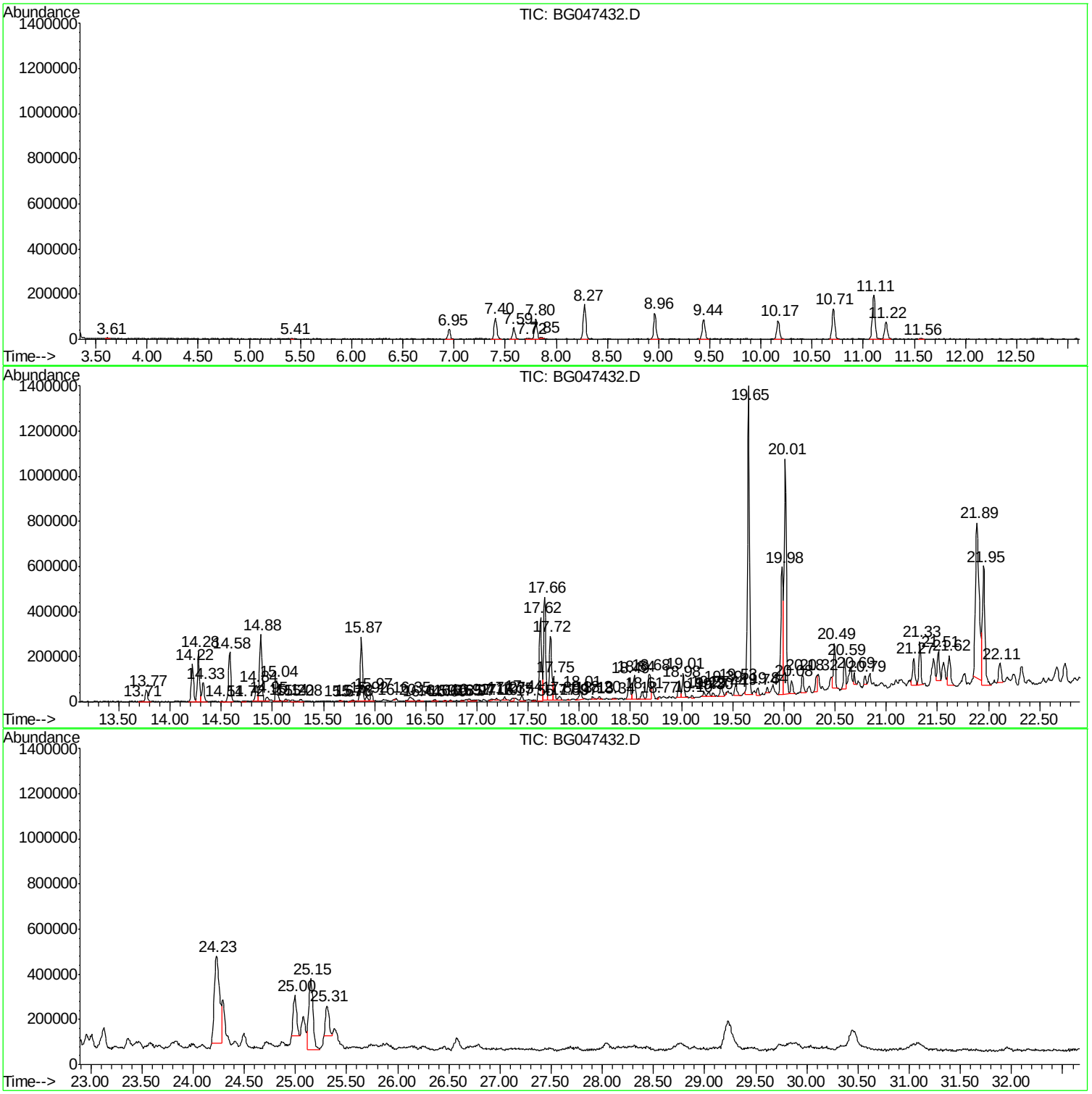
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047432.D
Acq On : 24 Nov 2020 4:28
Operator : CG/JU
Sample : L4711-05DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2DL

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 : BG047432.D
Acq On : 24 Nov 2020 4:28
Operator : CG/JU
Sample : L4711-05DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2DL

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

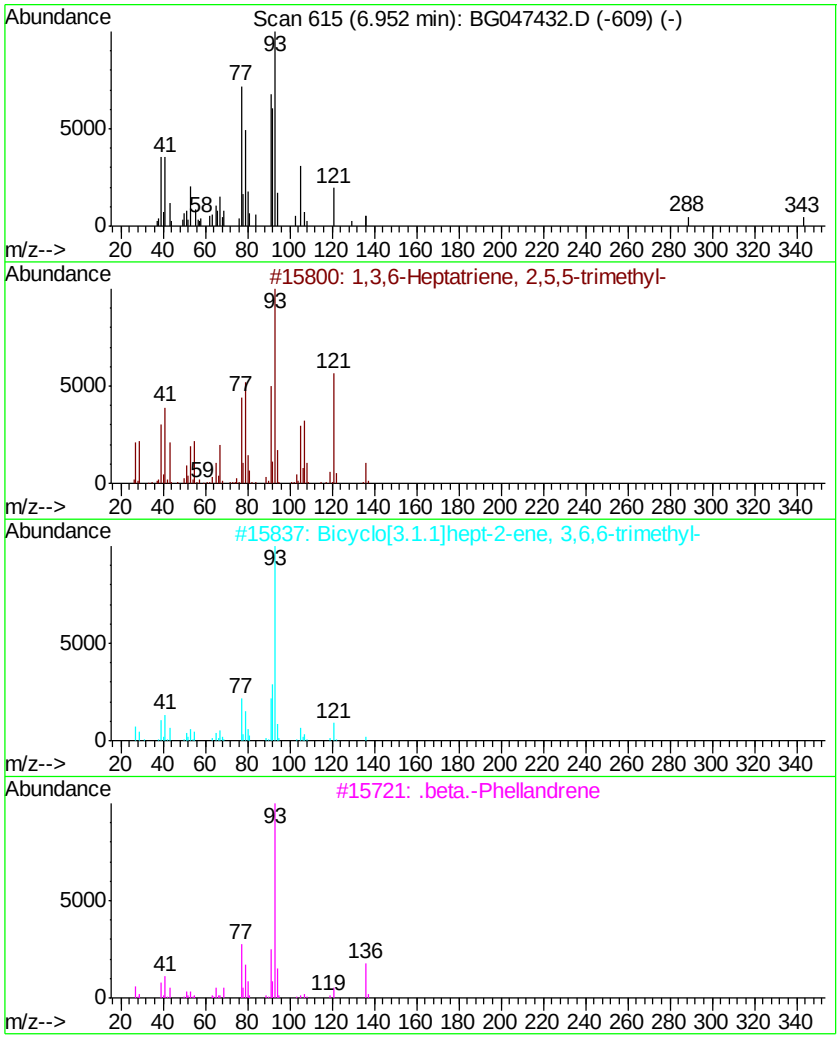
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

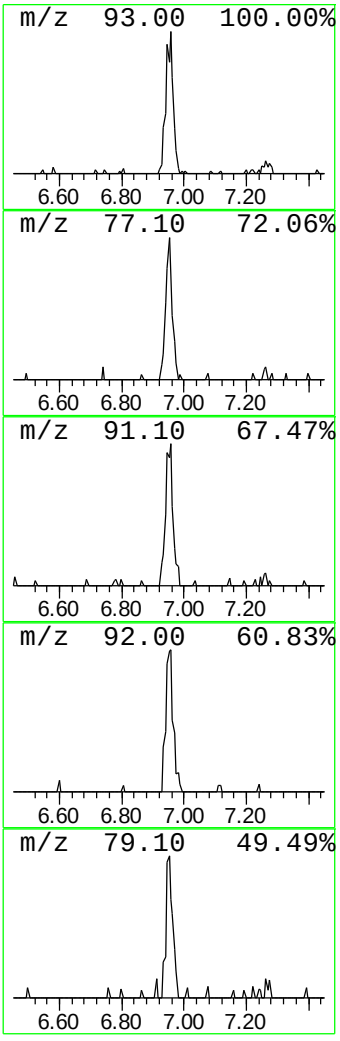
****

Peak Number 1 1,3,6-Heptatriene, 2,5,5-tr... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.95	5.32 ng/ul	70716	1,4-Dichlorobenzene-d4	8.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,6-Heptatriene, 2,5,5-trimethyl-	136	C10H16	029548-02-5	80
2	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	72
3	.beta.-Phellandrene	136	C10H16	000555-10-2	64
4	.beta.-Ocimene	136	C10H16	013877-91-3	62
5	.alpha.-Pinene	136	C10H16	000080-56-8	60





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047432.D
Acq On : 24 Nov 2020 4:28
Operator : CG/JU
Sample : L4711-05DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2DL

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

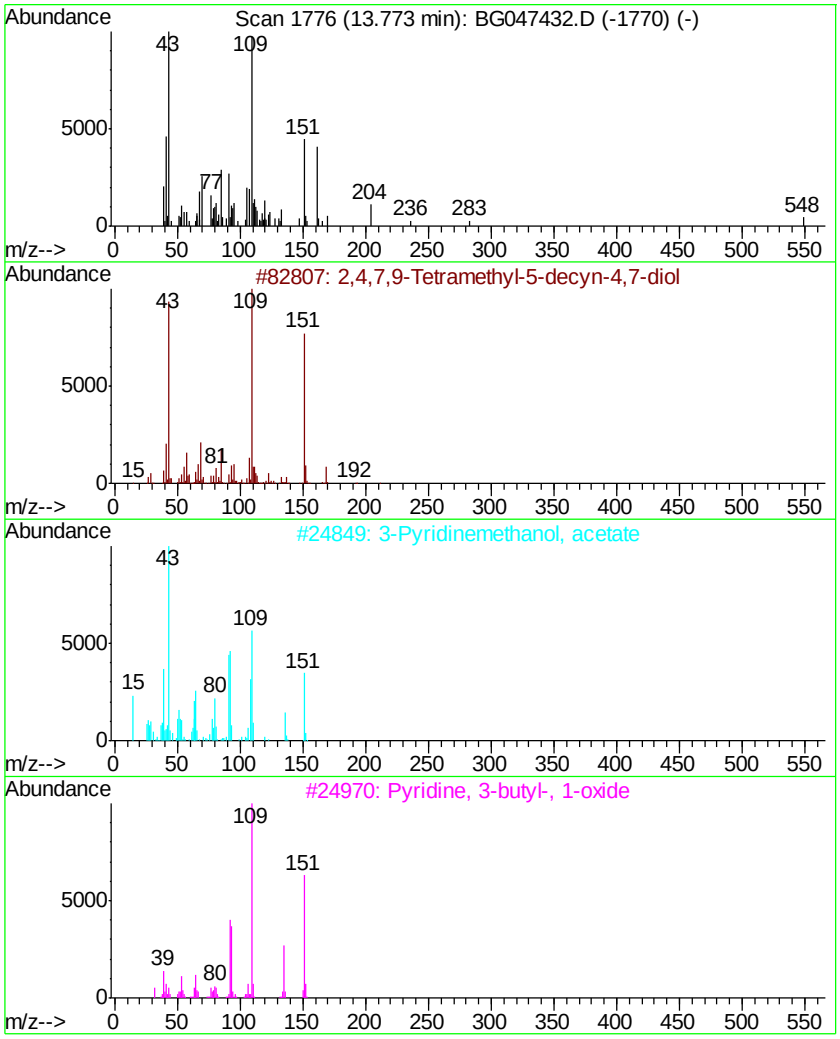
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

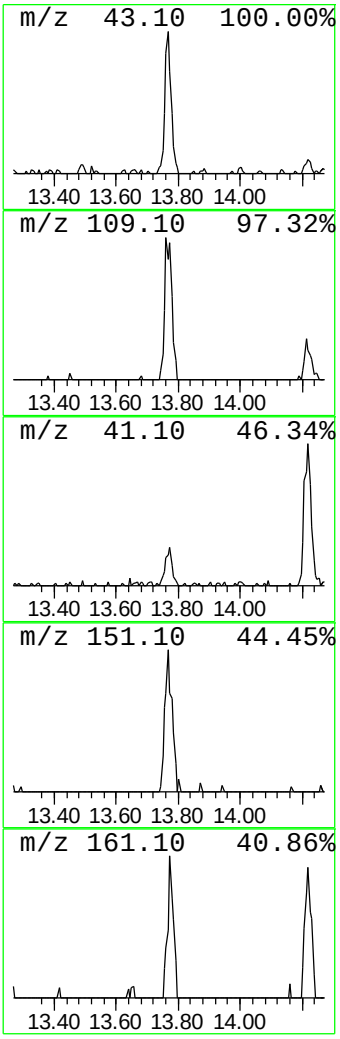
****

Peak Number 2 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	3.70 ng/ul	85372	Acenaphthene-d10	14.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	50
2	3-Pyridinemethanol, acetate	151	C8H9NO2	010072-09-0	50
3	Pyridine, 3-butyl-, 1-oxide	151	C9H13NO	031396-33-5	49
4	7-Oxa-bicyclo[2.2.1]heptan-2-ol,...	254	C14H22O4	329362-13-2	40
5	(-)-10-Camphorsulfonyl chloride	250	C10H15ClO3S	039262-22-1	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047432.D
Acq On : 24 Nov 2020 4:28
Operator : CG/JU
Sample : L4711-05DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2DL

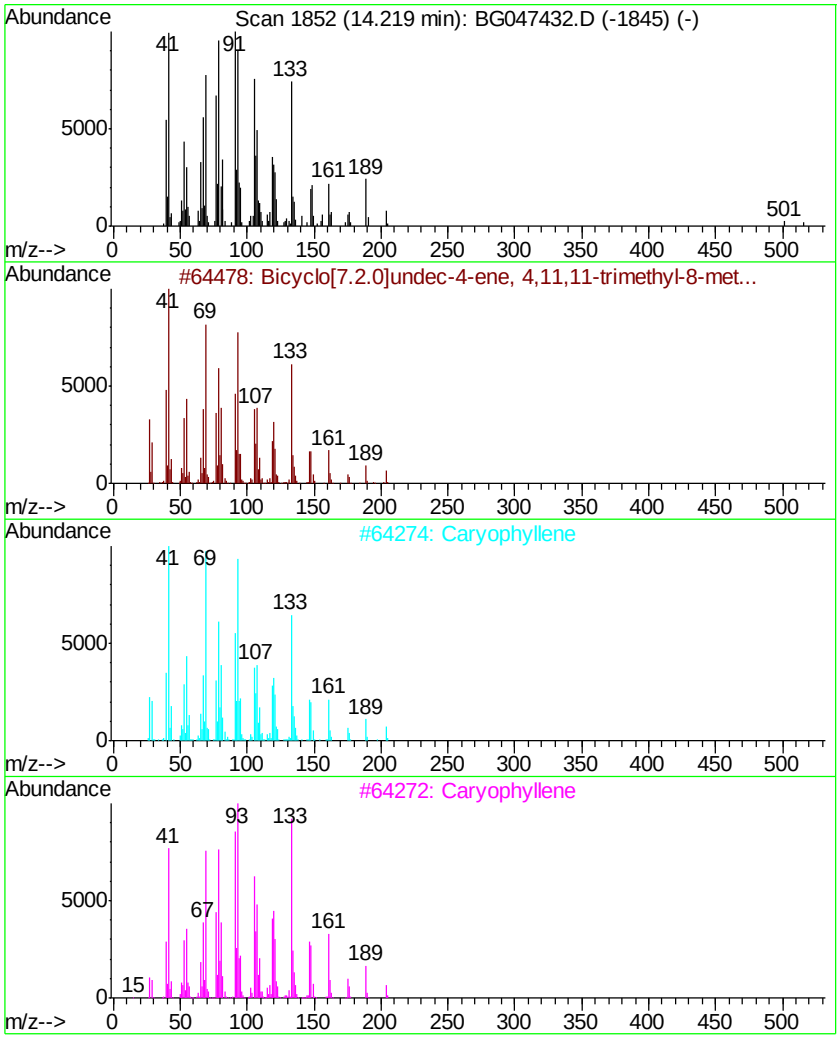
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

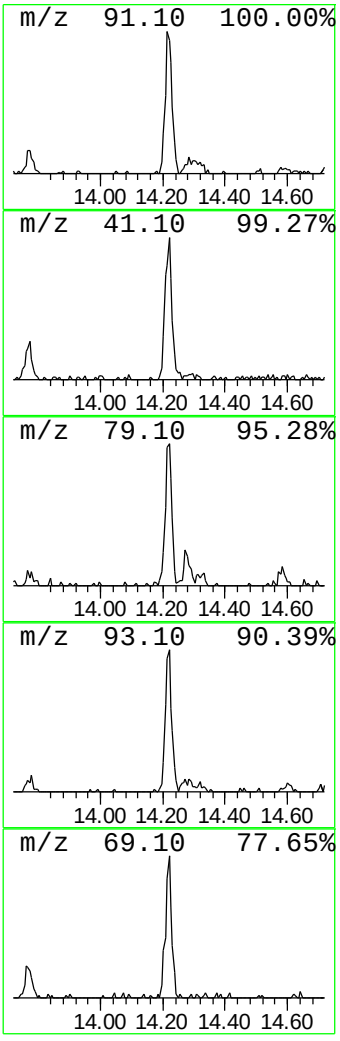
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Bicyclo[7.2.0]undec-4-ene, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	10.60 ng/ul	244433	Acenaphthene-d10	14.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[7.2.0]undec-4-ene, 4,11,...	204	C15H24	000118-65-0	95
2	Caryophyllene	204	C15H24	000087-44-5	95
3	Caryophyllene	204	C15H24	000087-44-5	70
4	Bicyclo[7.2.0]undec-4-ene, 4,11,...	204	C15H24	013877-93-5	70
5	Bicyclo[7.2.0]undec-4-ene, 4,11,...	204	C15H24	000118-65-0	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047432.D
Acq On : 24 Nov 2020 4:28
Operator : CG/JU
Sample : L4711-05DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2DL

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

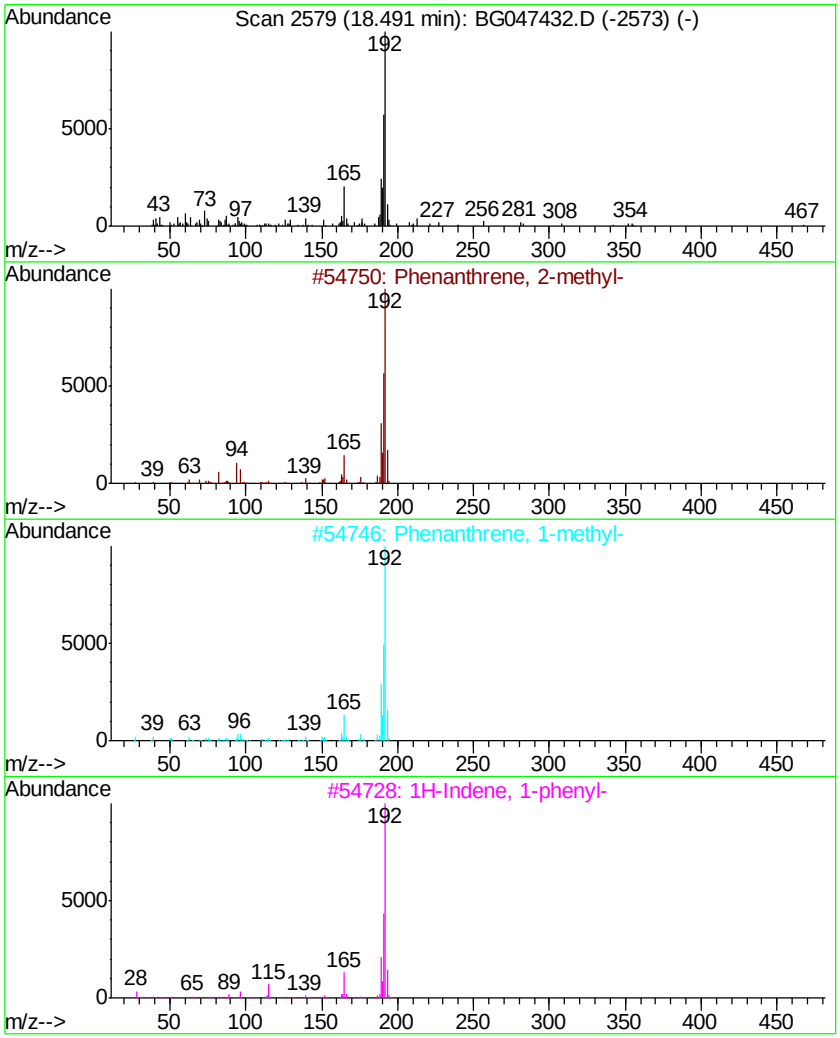
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

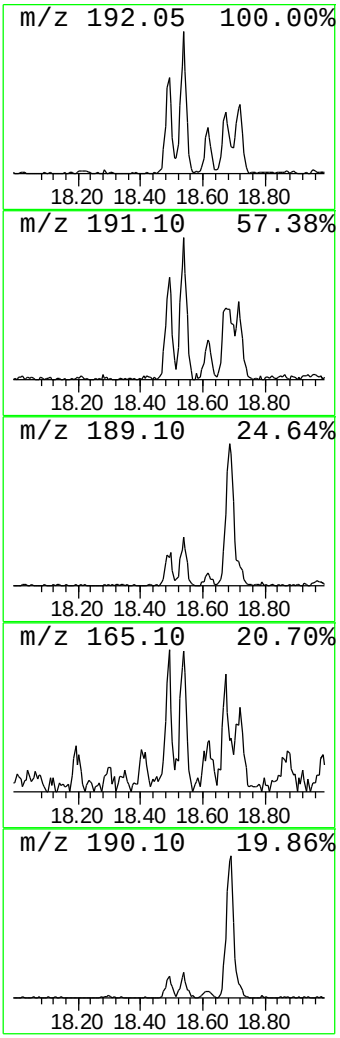
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	5.41 ng/ul	155552	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	76
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	76
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047432.D
Acq On : 24 Nov 2020 4:28
Operator : CG/JU
Sample : L4711-05DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2DL

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

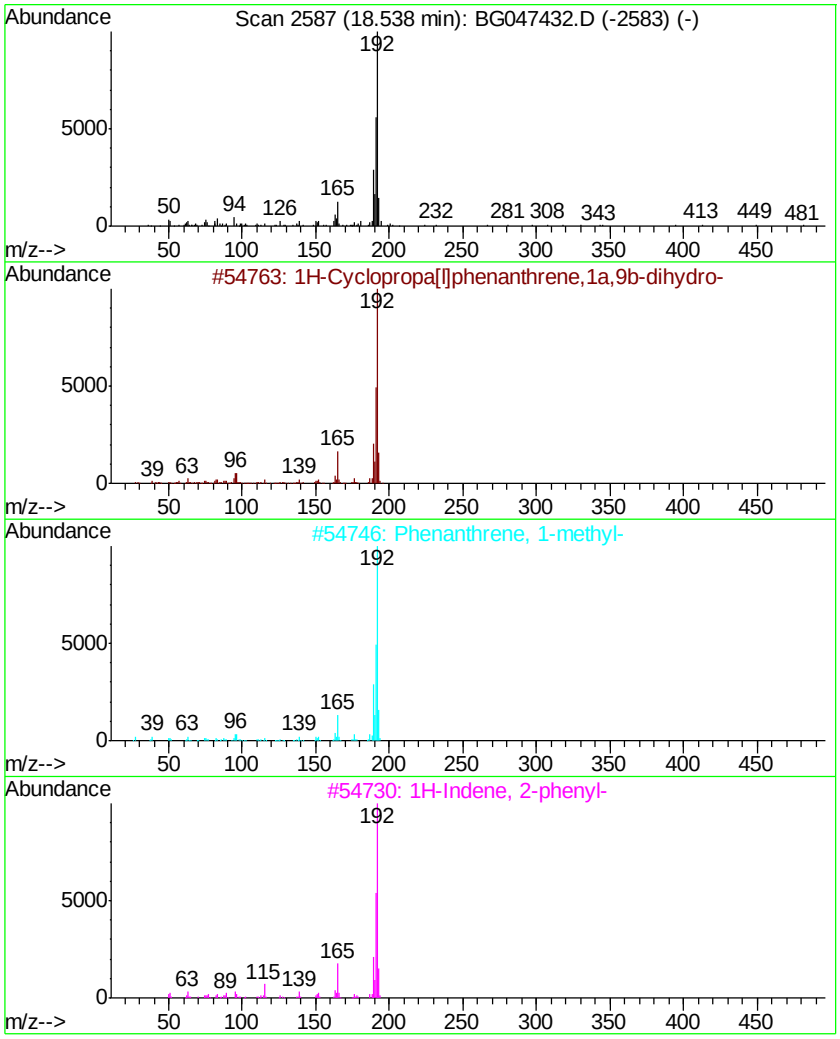
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

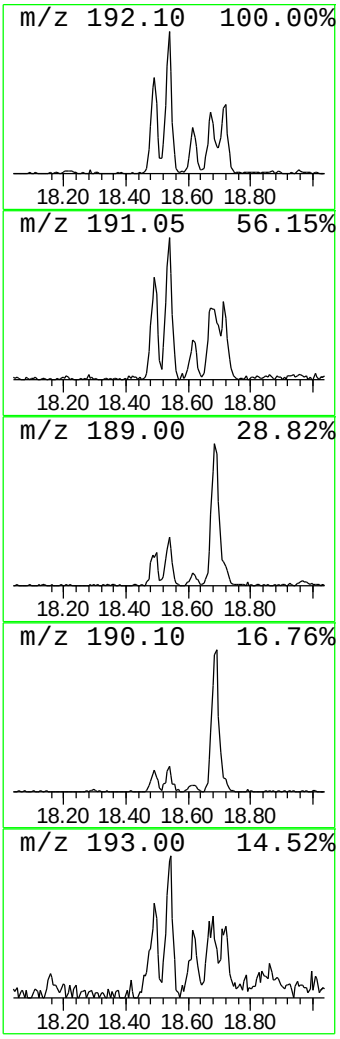
****

Peak Number 5 1H-Cyclopropa[l]phenanthren... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	5.47 ng/ul	157454	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87





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Acq On : 24 Nov 2020 4:28
Operator : CG/JU
Sample : L4711-05DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2DL

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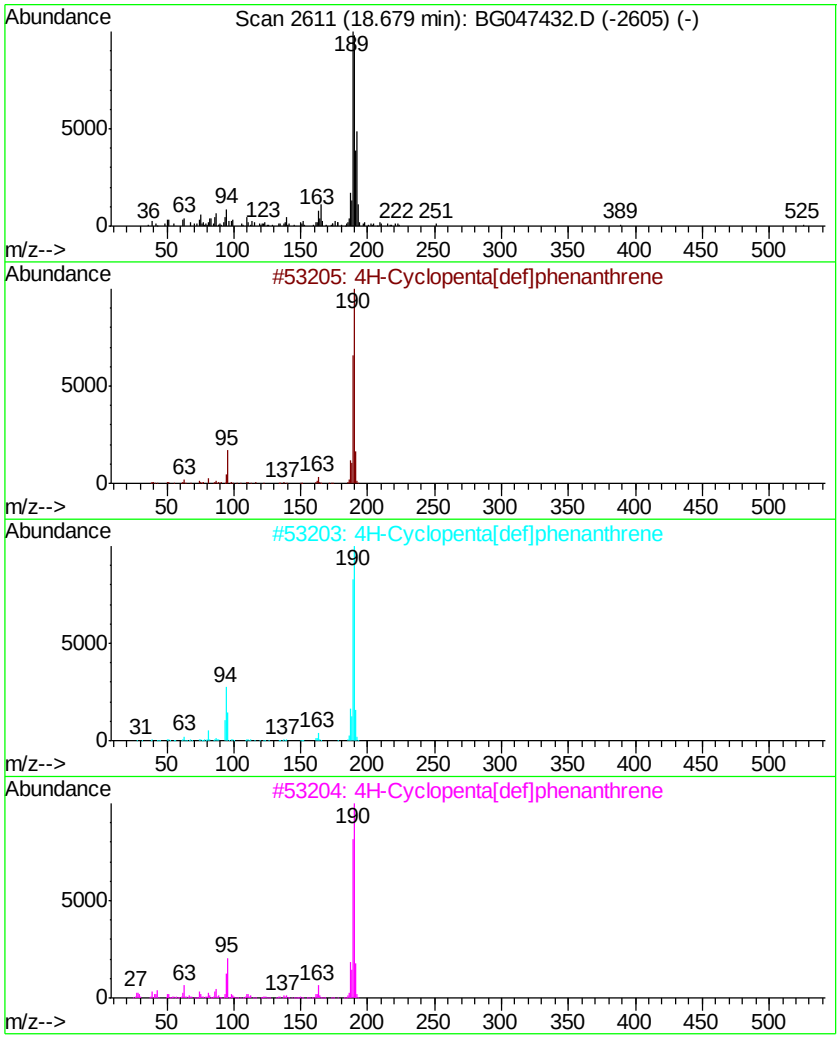
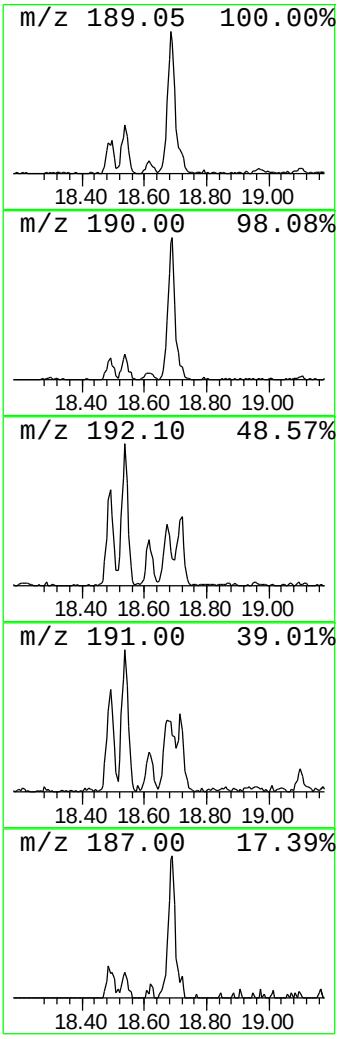
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	8.17 ng/ul	234918	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	38
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33





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Operator : CG/JU
Sample : L4711-05DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2DL

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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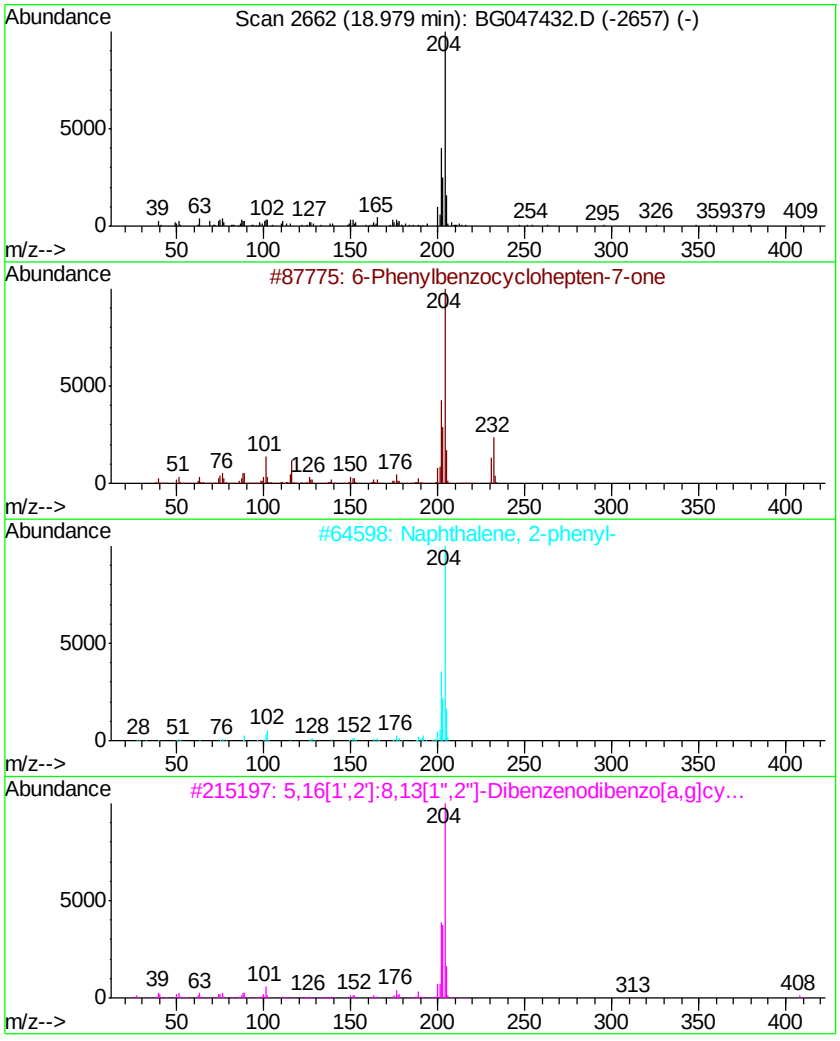
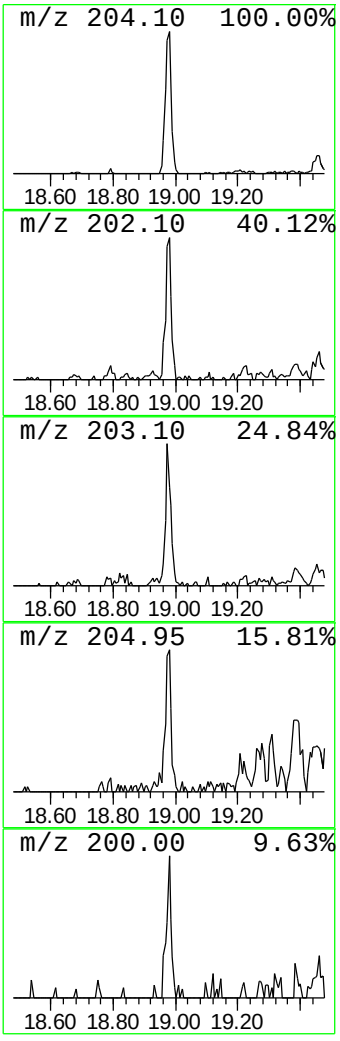
Peak Number 7 6-Phenylbenzocyclohepten-7-one Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.98	3.75 ng/ul	107937	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	64
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62





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Acq On : 24 Nov 2020 4:28
Operator : CG/JU
Sample : L4711-05DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2DL

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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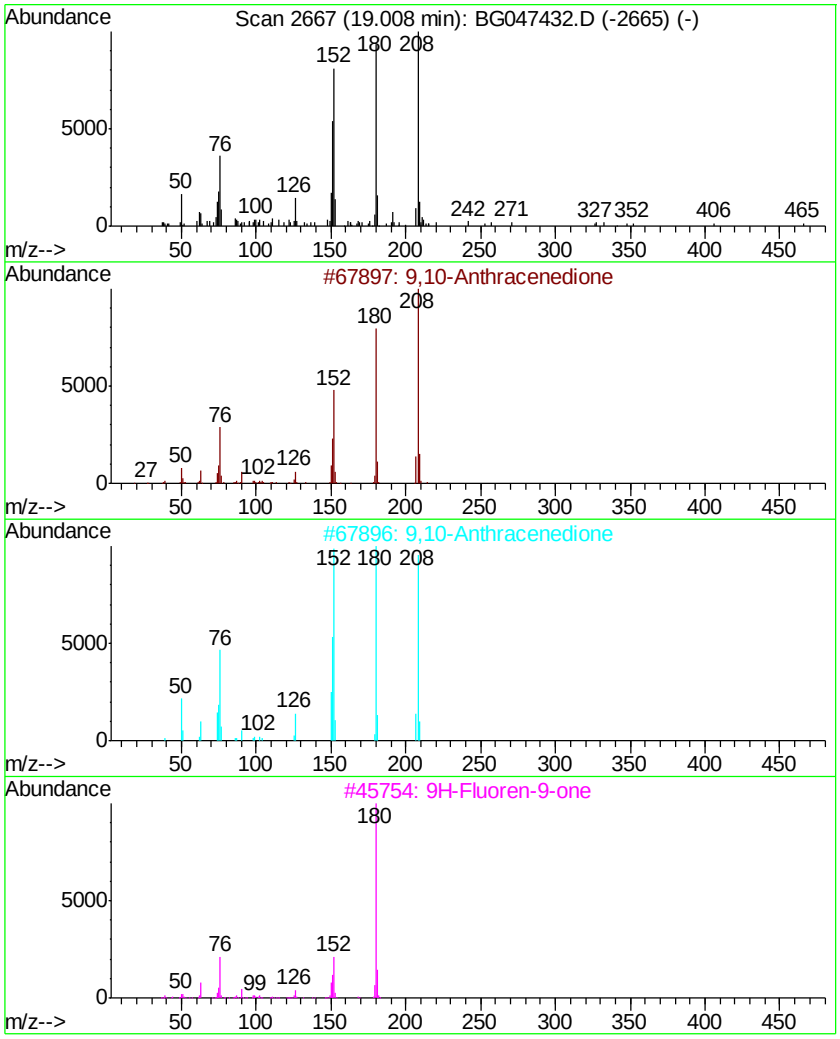
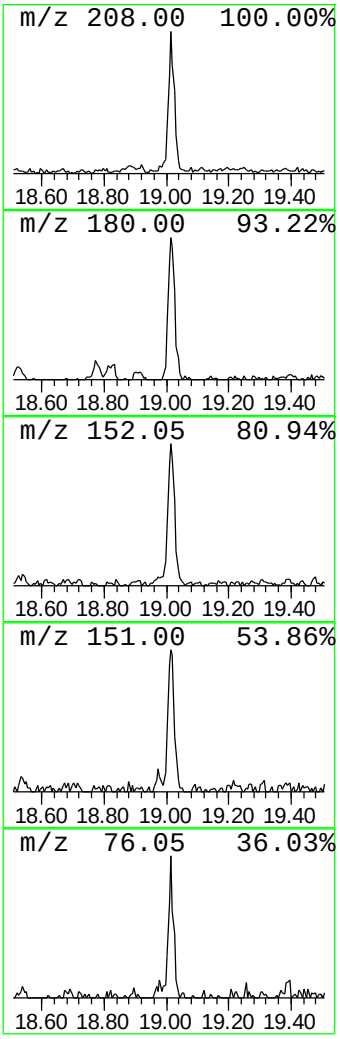
Peak Number 8 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.01	5.16 ng/ul	148418	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	58
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55





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Acq On : 24 Nov 2020 4:28
Operator : CG/JU
Sample : L4711-05DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2DL

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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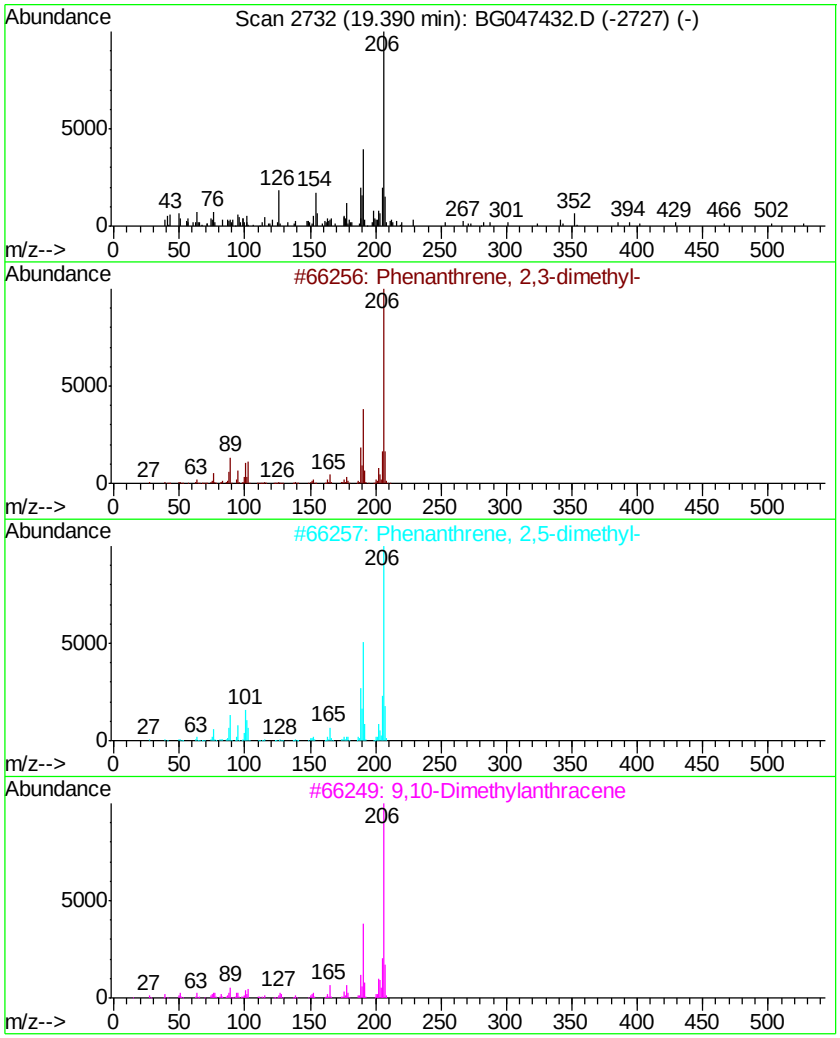
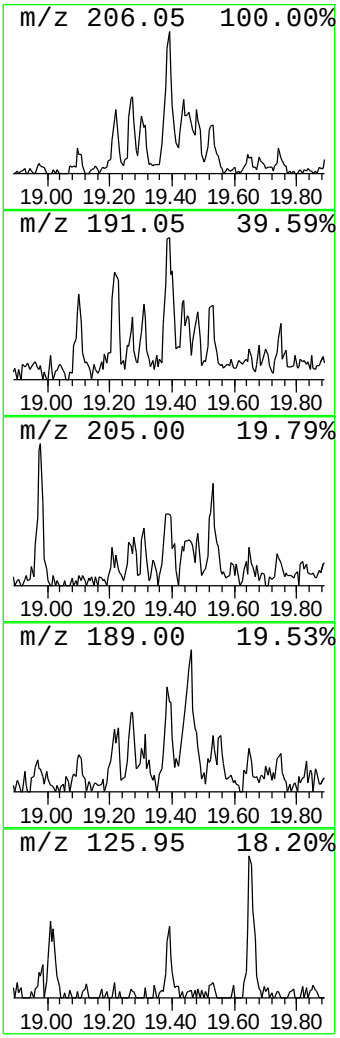
Peak Number 9 Phenanthrene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	3.00 ng/ul	86230	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	80





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Acq On : 24 Nov 2020 4:28
Operator : CG/JU
Sample : L4711-05DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2DL

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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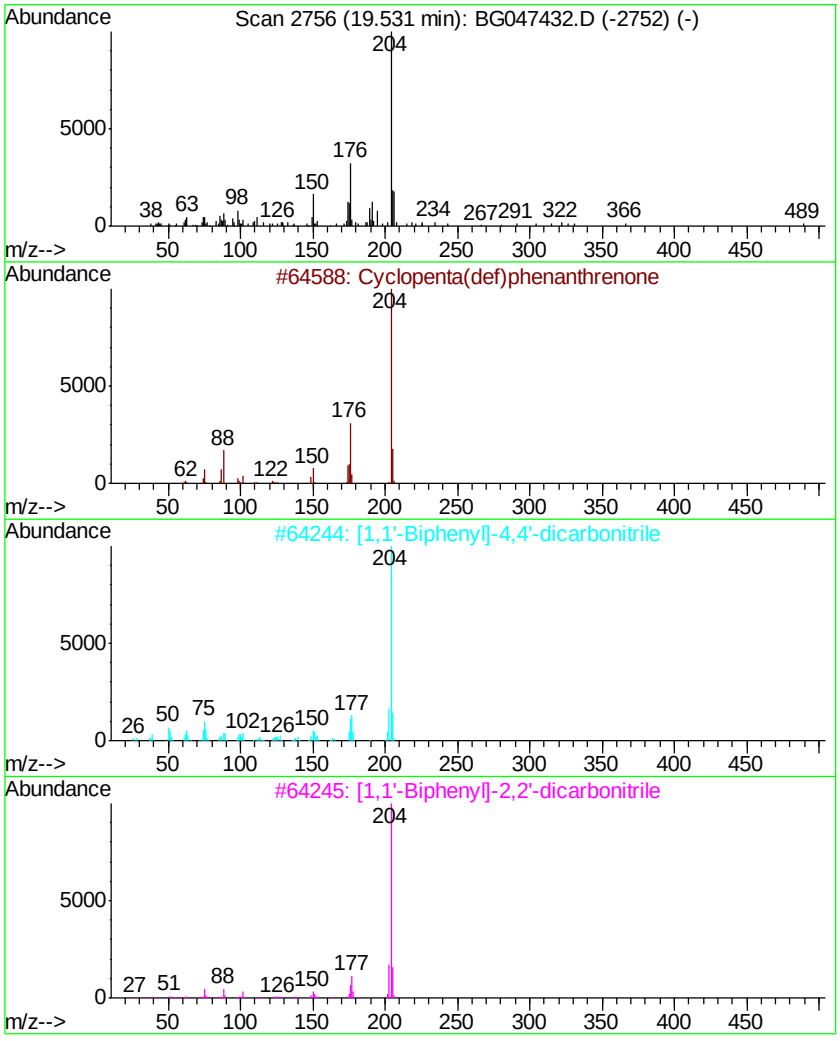
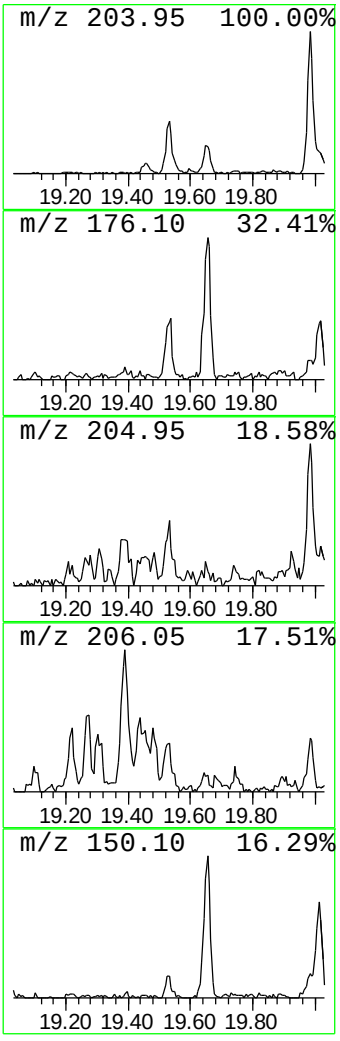
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.53	2.73 ng/ul	78610	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	72
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	47





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Acq On : 24 Nov 2020 4:28
Operator : CG/JU
Sample : L4711-05DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2DL

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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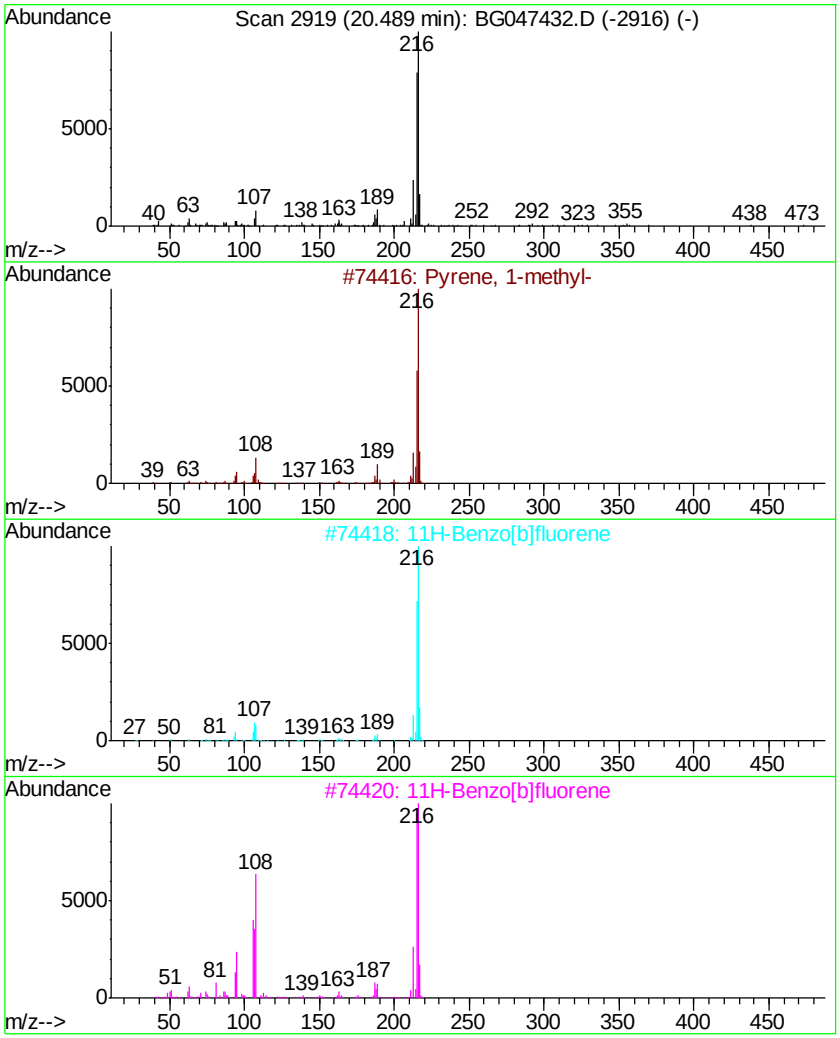
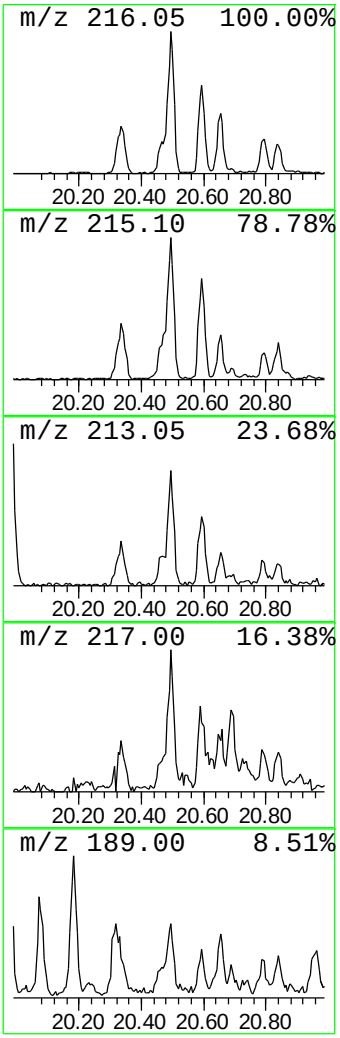
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.49	3.27 ng/ul	276353	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80





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Data File : BG047432.D
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Operator : CG/JU
Sample : L4711-05DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2DL

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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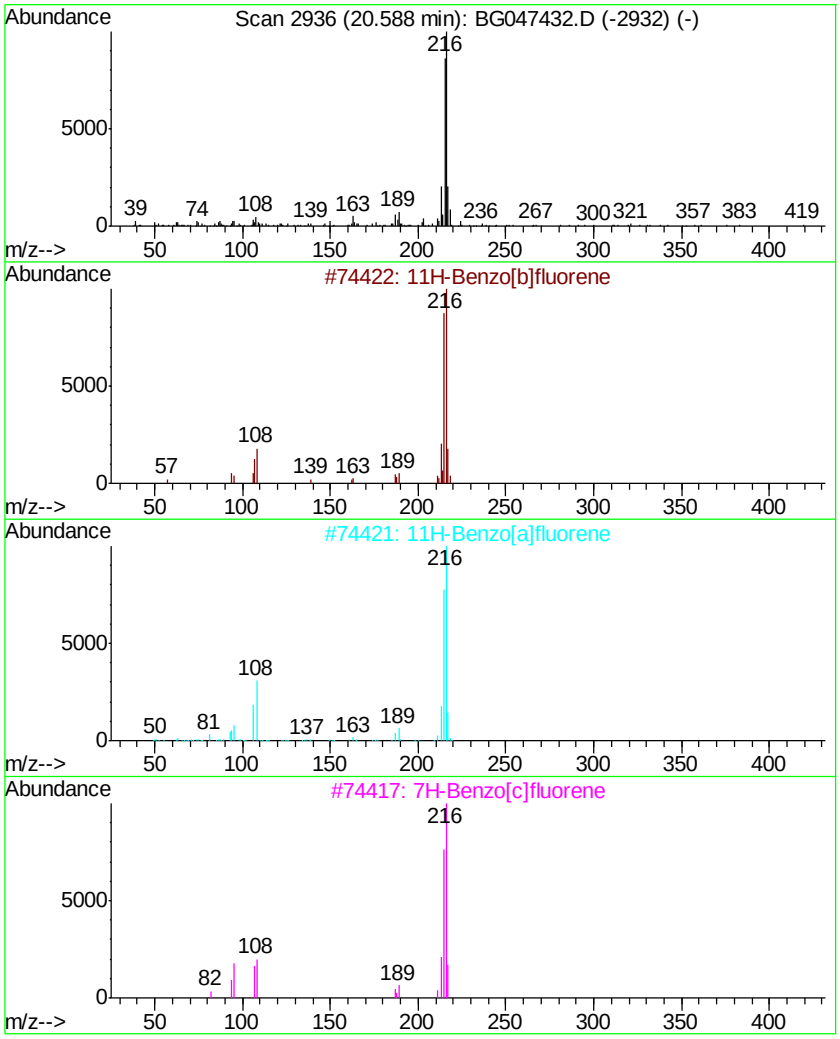
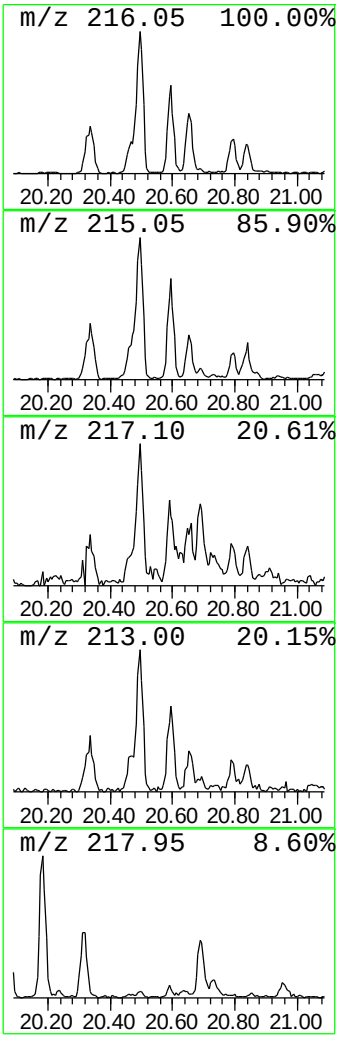
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.59	2.33 ng/ul	197437	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	90
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70
5	Allopregnane-3.alpha.,20.alpha.-...	320	C21H36O2	000566-58-5	64





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Operator : CG/JU
Sample : L4711-05DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2DL

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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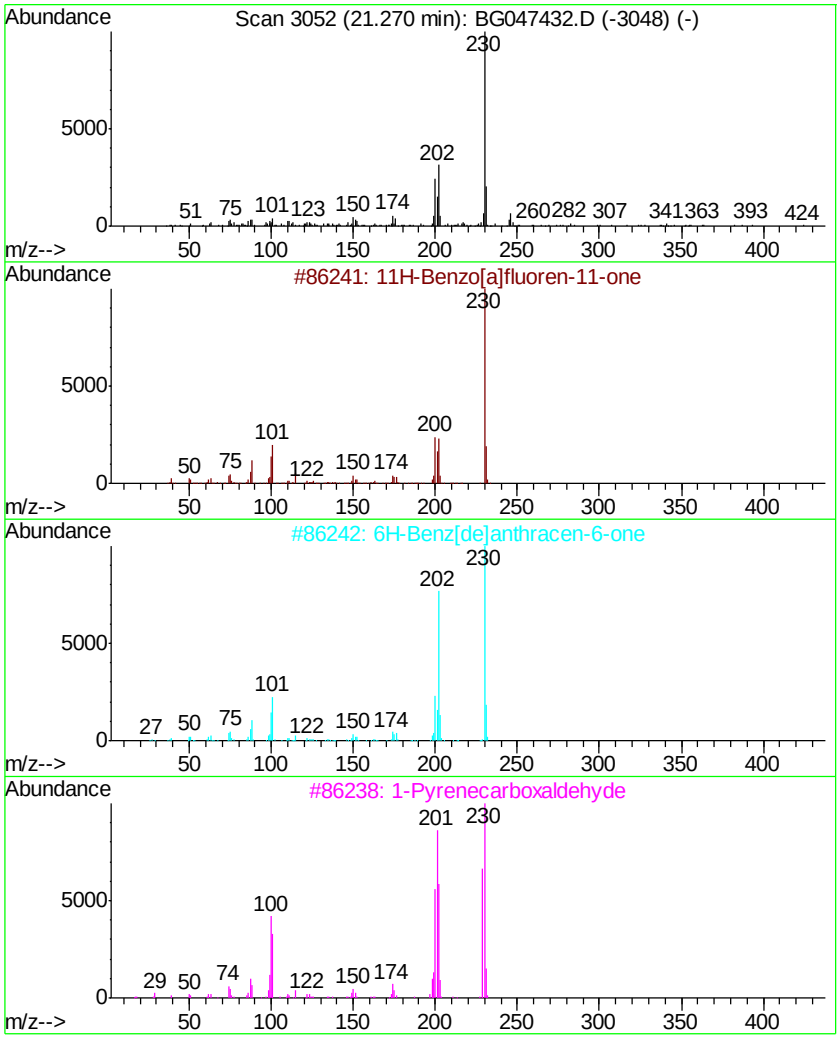
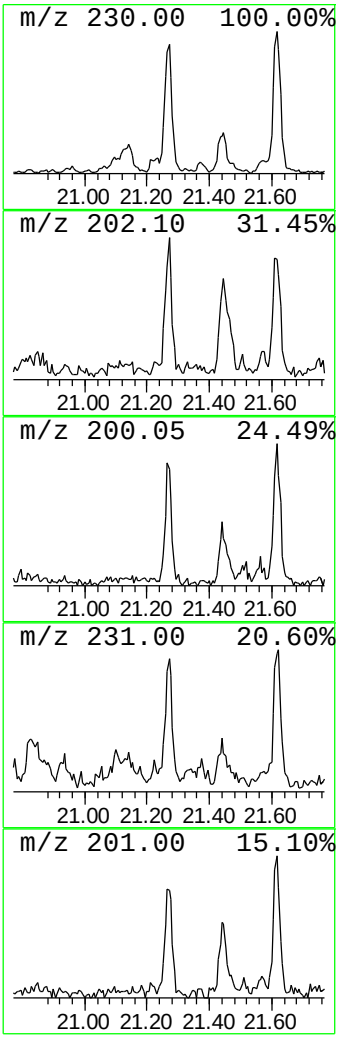
Peak Number 13 11H-Benzo[a]fluoren-11-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.27	2.10 ng/ul	177711	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	87
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	76
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	64
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	50





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2DL

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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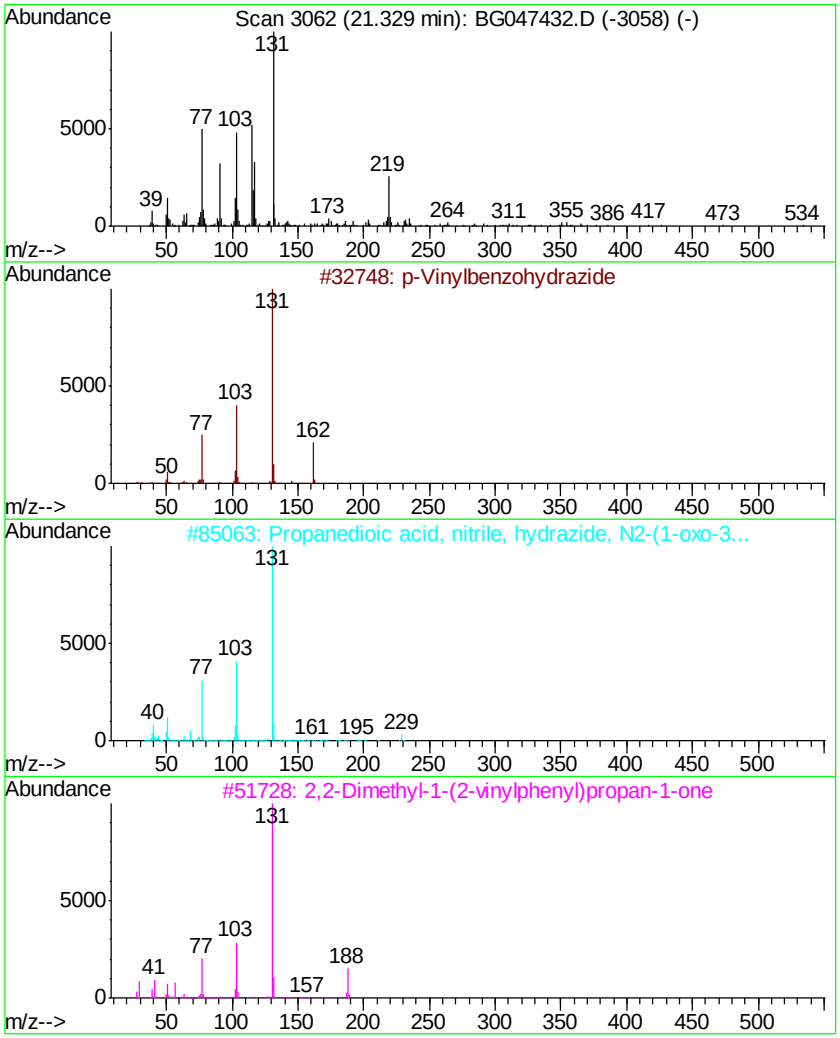
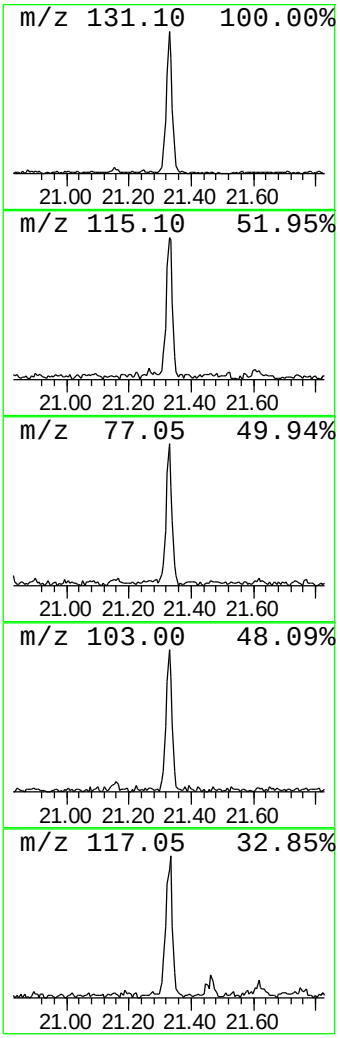
Peak Number 14 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.33	3.07 ng/ul	259960	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Vinylbenzohydrazide	162	C9H10N2O	1000244-74-9	47
2	Propanedioic acid, nitrile, hydr...	229	C12H11N3O2	294878-35-6	47
3	2,2-Dimethyl-1-(2-vinylphenyl)pr...	188	C13H16O	1000210-99-9	47
4	trans-1-Cinnamoylimidazole	198	C12H10N2O	001138-15-4	43
5	1-(2-Vinylphenyl)propan-1-one	160	C11H12O	052095-41-7	43





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2DL

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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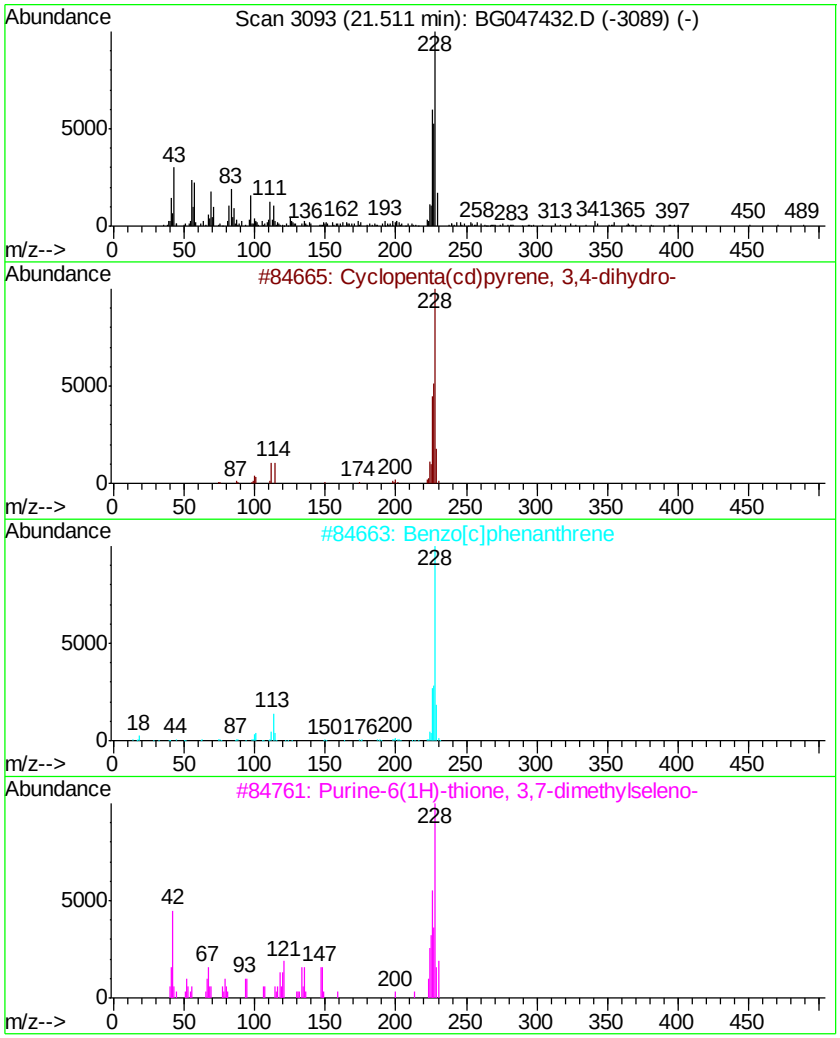
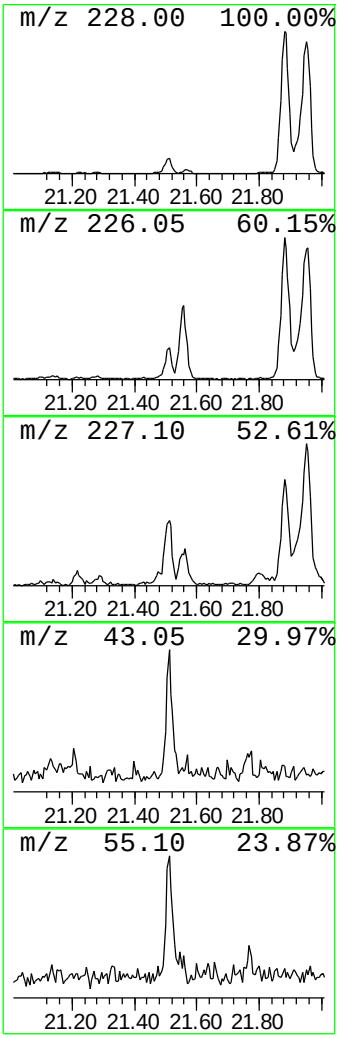
Peak Number 15 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.51	2.10 ng/ul	177339	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	64
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	50
3	Purine-6(1H)-thione, 3,7-dimethy...	228	C7H8N4Se	023663-58-3	50
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43
5	Triphenylene	228	C18H12	000217-59-4	35





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Operator : CG/JU
Sample : L4711-05DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2DL

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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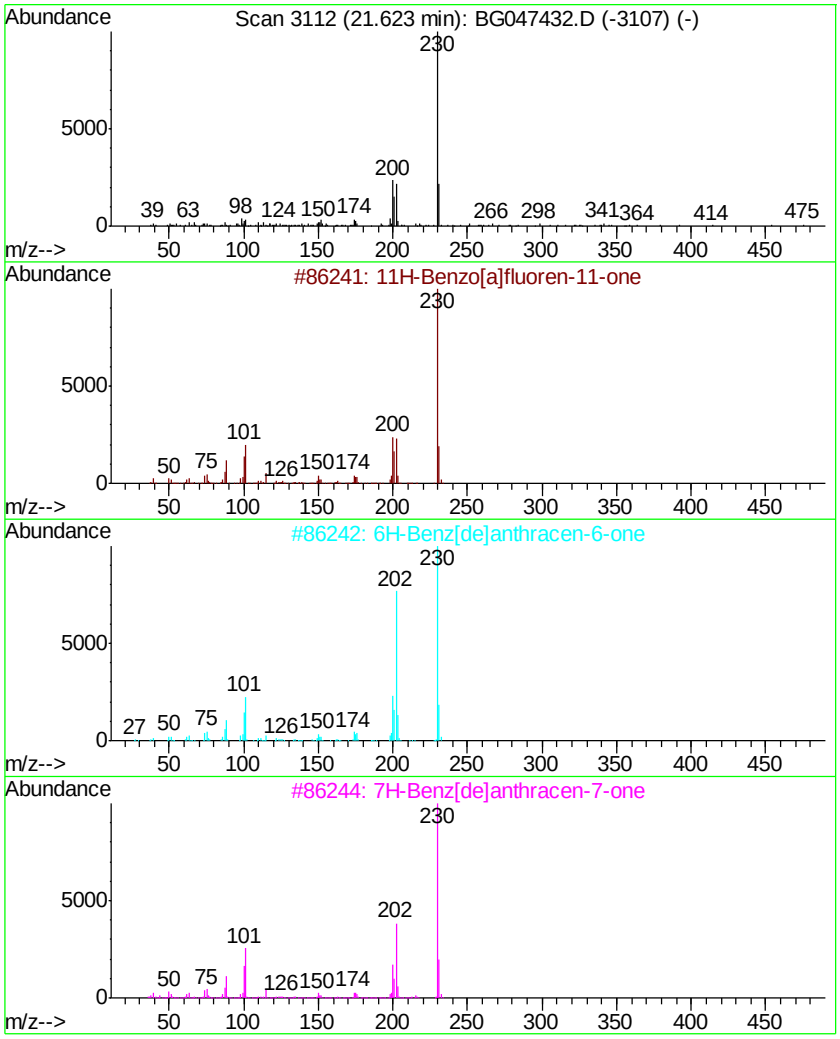
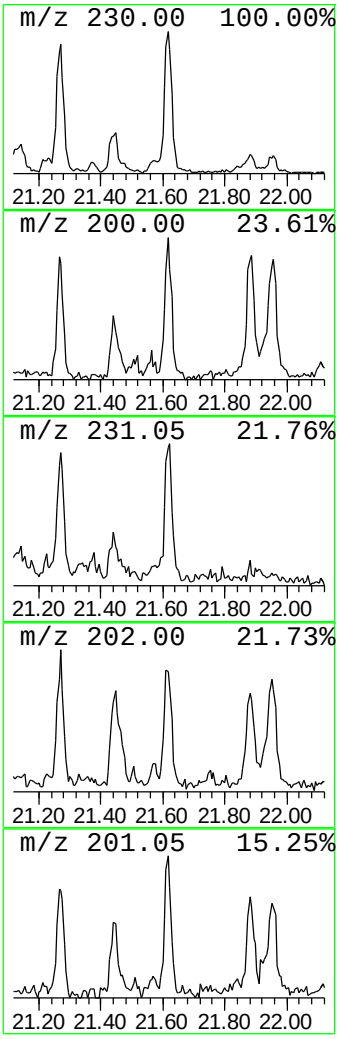
Peak Number 16 6H-Benz[de]anthracen-6-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.62	2.65 ng/ul	223885	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	91
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	76
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	58
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	58
5	o-Terphenyl	230	C18H14	000084-15-1	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047432.D
Acq On : 24 Nov 2020 4:28
Operator : CG/JU
Sample : L4711-05DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2DL

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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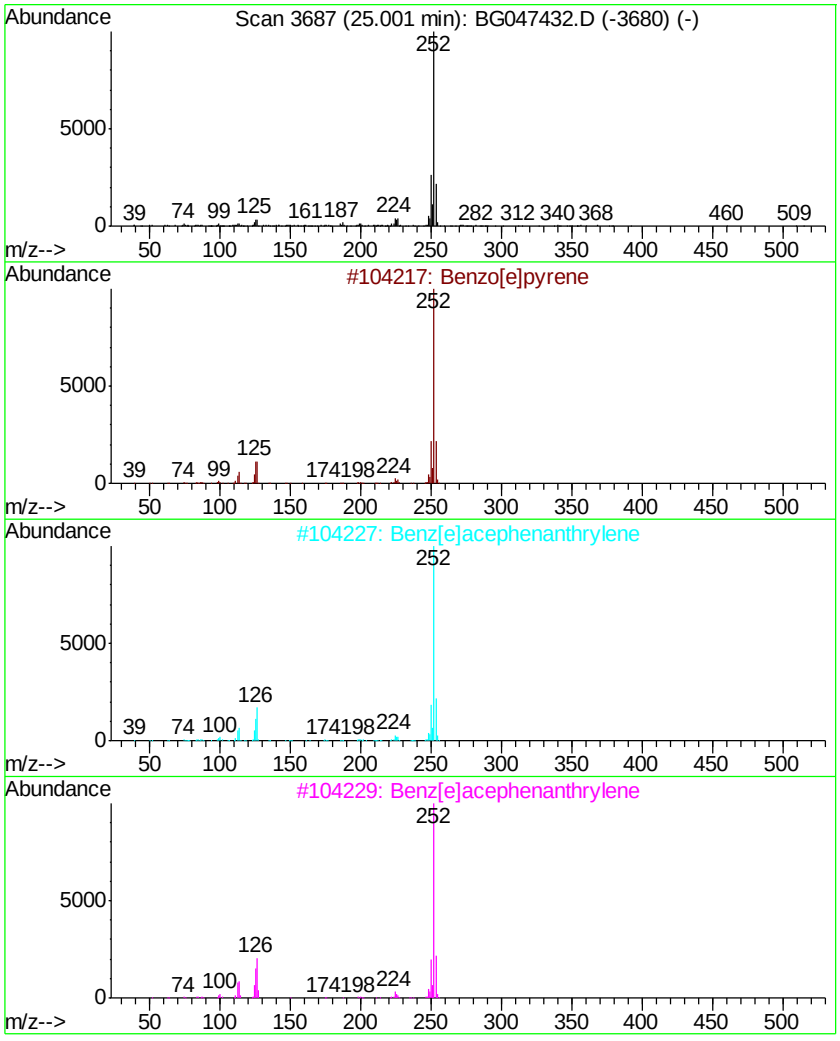
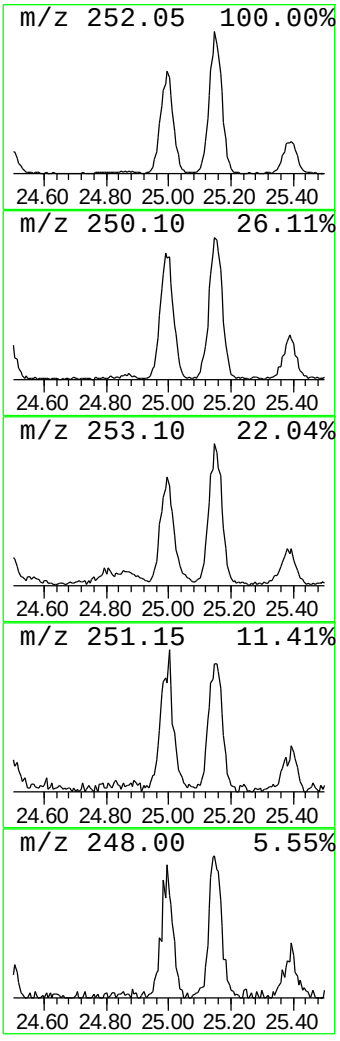
Peak Number 17 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.00	25.11 ng/ul	420702	Perylene-d12	25.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	81
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81
4	Benzo[a]pyrene	252	C20H12	000050-32-8	81
5	Benzo[e]pyrene	252	C20H12	000192-97-2	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG112320\
Data File : BG047432.D
Acq On : 24 Nov 2020 4:28
Operator : CG/JU
Sample : L4711-05DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2DL

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
1,3,6-Heptatriene...	6.95	5.3	ng/ul	70716	1	8.28	265690	20.0
2,4,7,9-Tetrameth...	13.77	3.7	ng/ul	85372	3	14.88	461260	20.0
Bicyclo[7.2.0]und...	14.22	10.6	ng/ul	244433	3	14.88	461260	20.0
Phenanthrene, 2-m...	18.49	5.4	ng/ul	155552	4	17.62	575277	20.0
1H-Cyclopropa[l]p...	18.54	5.5	ng/ul	157454	4	17.62	575277	20.0
4H-Cyclopenta[def...	18.68	8.2	ng/ul	234918	4	17.62	575277	20.0
6-Phenylbenzocycl...	18.98	3.8	ng/ul	107937	4	17.62	575277	20.0
9,10-Anthracenedione	19.01	5.2	ng/ul	148418	4	17.62	575277	20.0
Phenanthrene, 2,3...	19.39	3.0	ng/ul	86230	4	17.62	575277	20.0
Cyclopenta(def)ph...	19.53	2.7	ng/ul	78610	4	17.62	575277	20.0
Pyrene, 1-methyl-	20.49	3.3	ng/ul	276353	5	21.90	1692280	20.0
11H-Benzo[b]fluorene	20.59	2.3	ng/ul	197437	5	21.90	1692280	20.0
11H-Benzo[a]fluor...	21.27	2.1	ng/ul	177711	5	21.90	1692280	20.0
unknown-01	21.33	3.1	ng/ul	259960	5	21.90	1692280	20.0
Cyclopenta(cd)pyr...	21.51	2.1	ng/ul	177339	5	21.90	1692280	20.0
6H-Benz[de]anthra...	21.62	2.6	ng/ul	223885	5	21.90	1692280	20.0
Benzo[e]pyrene	25.00	25.1	ng/ul	420702	6	25.31	335075	20.0