LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042209.D
Acq On : 14 Aug 2019 14:30
Operator : HP/JU
Sample : K4304-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P4

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-BG080319MA.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	3.141	5	9	35	rVB	2223265	3642669	100.00%	7.264%
2	4.169	178	184	195	rVB	57070	96750	2.66%	0.193%
3	7.177	689	696	711	rBV	269515	530968	14.58%	1.059%
4	7.342	717	724	739	rBV	202168	359654	9.87%	0.717%
5	7.553	753	760	769	rBV	299803	541849	14.88%	1.081%
6	8.023	833	840	848	rBV	283352	493229	13.54%	0.984%
7	8.734	954	961	972	rBV	348980	644341	17.69%	1.285%
8	9.192	1032	1039	1049	rBV	268798	500233	13.73%	0.998%
9	9.921	1155	1163	1173	rBV	248799	457097	12.55%	0.912%
10	10.467	1248	1256	1278	rBV	405604	788372	21.64%	1.572%
11	10.849	1312	1321	1326	rBV	412085	751989	20.64%	1.500%
12	10.896	1326	1329	1335	rVV	96398	163554	4.49%	0.326%
13	10.978	1335	1343	1357	rVB	327597	674825	18.53%	1.346%
14	12.512	1598	1604	1610	rVV	52449	91642	2.52%	0.183%
15	12.729	1635	1641	1649	rBV	39800	67197	1.84%	0.134%
16	13.517	1768	1775	1785	rBV2	21874	43957	1.21%	0.088%
17	13.852	1823	1832	1842	rBV4	20680	55915	1.54%	0.112%
18	14.004	1853	1858	1863	rVV2	40118	71412	1.96%	0.142%
19	14.087	1863	1872	1877	rVV	751773	1193735	32.77%	2.380%
20	14.128	1877	1879	1884	rVV	49044	60191	1.65%	0.120%
21	14.380	1911	1922	1937	rBV	910069	1543642	42.38%	3.078%
22	14.686	1963	1974	1980	rBV	698773	1106978	30.39%	2.207%
23	14.751	1980	1985	1992	rVB	145088	234841	6.45%	0.468%
24	14.880	2000	2007	2020	rBV	219841	447138	12.28%	0.892%
25	15.085	2036	2042	2049	rVB	110874	184444	5.06%	0.368%
26	15.479	2102	2109	2116	rBV5	23093	63827	1.75%	0.127%
27	15.679	2135	2143	2148	rBV	1213916	1869716	51.33%	3.728%
28	15.732	2148	2152	2158	rVB	163922	247447	6.79%	0.493%
29	15.796	2158	2163	2171	rBV	233202	380420	10.44%	0.759%
30	15.902	2177	2181	2186	rBV2	22066	43872	1.20%	0.087%
31	16.026	2198	2202	2210	rVB	48060	82839	2.27%	0.165%
32	16.178	2220	2228	2236	rVV	46501	105464	2.90%	0.210%
33	16.261	2236	2242	2249	rVB2	15170	33717	0.93%	0.067%
34	16.372	2255	2261	2263	rBV	60293	90220	2.48%	0.180%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
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Acq On : 14 Aug 2019 14:30
Operator : HP/JU
Sample : K4304-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P4

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-BG080319MA.M
Title : SVOA CALIBRATION

35	16.742	2315	2324	2328	rVV4	41948	99349	2.73%	0.198%
36	16.789	2328	2332	2338	rVV4	24912	47393	1.30%	0.095%
37	16.889	2345	2349	2354	rVB4	22172	36828	1.01%	0.073%
38	16.971	2354	2363	2366	rBV3	40725	79979	2.20%	0.159%
39	17.007	2366	2369	2379	rVV3	30313	71910	1.97%	0.143%
40	17.089	2379	2383	2390	rVV3	45613	85290	2.34%	0.170%
41	17.165	2391	2396	2398	rVV	32503	52489	1.44%	0.105%
42	17.189	2398	2400	2404	rVV	45638	59402	1.63%	0.118%
43	17.253	2407	2411	2419	rVB	88494	144918	3.98%	0.289%
44	17.436	2436	2442	2446	rVV2	794178	1290949	35.44%	2.574%
45	17.483	2446	2450	2454	rVV	1279041	1950437	53.54%	3.889%
46	17.535	2454	2459	2463	rVV	1187308	1912096	52.49%	3.813%
47	17.571	2463	2465	2471	rVV	346533	423302	11.62%	0.844%
48	17.630	2471	2475	2480	rVV5	21644	44001	1.21%	0.088%
49	17.841	2505	2511	2515	rBV	136460	218667	6.00%	0.436%
50	18.017	2538	2541	2552	rVB2	32154	63885	1.75%	0.127%
51	18.317	2587	2592	2596	rBV	163464	248370	6.82%	0.495%
52	18.364	2596	2600	2608	rVB2	248953	365627	10.04%	0.729%
53	18.446	2608	2614	2619	rBV	80917	126332	3.47%	0.252%
54	18.511	2619	2625	2629	rBV2	241609	457272	12.55%	0.912%
55	18.546	2629	2631	2638	rVB	115834	139571	3.83%	0.278%
56	18.622	2639	2644	2647	rBV3	36001	55605	1.53%	0.111%
57	18.658	2647	2650	2655	rVB3	30521	43489	1.19%	0.087%
58	18.810	2671	2676	2680	rVV	124380	182902	5.02%	0.365%
59	18.852	2680	2683	2689	rVB2	54194	85638	2.35%	0.171%
60	18.940	2695	2698	2705	rVB7	16612	33447	0.92%	0.067%
61	19.057	2714	2718	2722	rBV	45680	59746	1.64%	0.119%
62	19.110	2724	2727	2730	rVV	43843	57946	1.59%	0.116%
63	19.145	2730	2733	2737	rVB2	38865	50626	1.39%	0.101%
64	19.228	2742	2747	2754	rBV2	108153	223355	6.13%	0.445%
65	19.292	2754	2758	2761	rVV3	32535	42484	1.17%	0.085%
66	19.369	2767	2771	2780	rBV3	65118	117613	3.23%	0.235%
67	19.492	2786	2792	2799	rVB	1790368	2542314	69.79%	5.070%
68	19.551	2799	2802	2805	rVV2	36644	47492	1.30%	0.095%
69	19.592	2806	2809	2812	rVB2	31239	38424	1.05%	0.077%
70	19.680	2820	2824	2828	rBV5	28114	49619	1.36%	0.099%
71	19.733	2829	2833	2843	rVV4	73016	155746	4.28%	0.311%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042209.D
Acq On : 14 Aug 2019 14:30
Operator : HP/JU
Sample : K4304-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P4

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-BG080319MA.M
Title : SVOA CALIBRATION

72	19.827	2843	2849	2852	rVV2	1846115	3126106	85.82%	6.234%
73	19.856	2852	2854	2861	rVV	1494441	1765404	48.46%	3.520%
74	19.927	2861	2866	2873	rVB2	99565	176279	4.84%	0.352%
75	20.027	2880	2883	2890	rVB	87770	145629	4.00%	0.290%
76	20.168	2902	2907	2908	rBV	116007	144063	3.95%	0.287%
77	20.315	2927	2932	2933	rBV2	74487	112755	3.10%	0.225%
78	20.344	2933	2937	2942	rVB	303358	450905	12.38%	0.899%
79	20.444	2950	2954	2959	rBV	235653	293874	8.07%	0.586%
80	20.503	2959	2964	2968	rVV2	144369	239207	6.57%	0.477%
81	20.538	2968	2970	2974	rVB	45676	52266	1.43%	0.104%
82	20.644	2984	2988	2992	rBV	84842	133220	3.66%	0.266%
83	20.691	2992	2996	3000	rVV	76643	110879	3.04%	0.221%
84	21.108	3064	3067	3074	rVB	106312	170465	4.68%	0.340%
85	21.296	3095	3099	3103	rBV	97352	139902	3.84%	0.279%
86	21.337	3103	3106	3109	rBV	89589	117771	3.23%	0.235%
87	21.443	3120	3124	3133	rVB3	145182	284799	7.82%	0.568%
88	21.713	3162	3170	3176	rBV3	1133637	3064680	84.13%	6.111%
89	21.766	3176	3179	3192	rVB	674221	1154081	31.68%	2.301%
90	21.924	3201	3206	3212	rBV	198335	307457	8.44%	0.613%
91	22.130	3237	3241	3249	rVB2	96266	183421	5.04%	0.366%
92	22.541	3306	3311	3316	rVB2	143566	236628	6.50%	0.472%
93	23.252	3428	3432	3440	rVB	122573	212334	5.83%	0.423%
94	23.963	3544	3553	3559	rBV	499091	1612806	44.28%	3.216%
95	24.692	3670	3677	3683	rBV	231004	593974	16.31%	1.184%
96	24.774	3683	3691	3697	rVV	794591	1983029	54.44%	3.954%
97	24.845	3698	3703	3717	rVB	443940	1152762	31.65%	2.299%
98	24.997	3720	3729	3737	rBV2	494234	1588404	43.61%	3.167%
99	26.208	3929	3935	3946	rVB4	126500	358452	9.84%	0.715%
100	28.734	4354	4365	4386	rVB3	168449	867180	23.81%	1.729%

Sum of corrected areas: 50147389

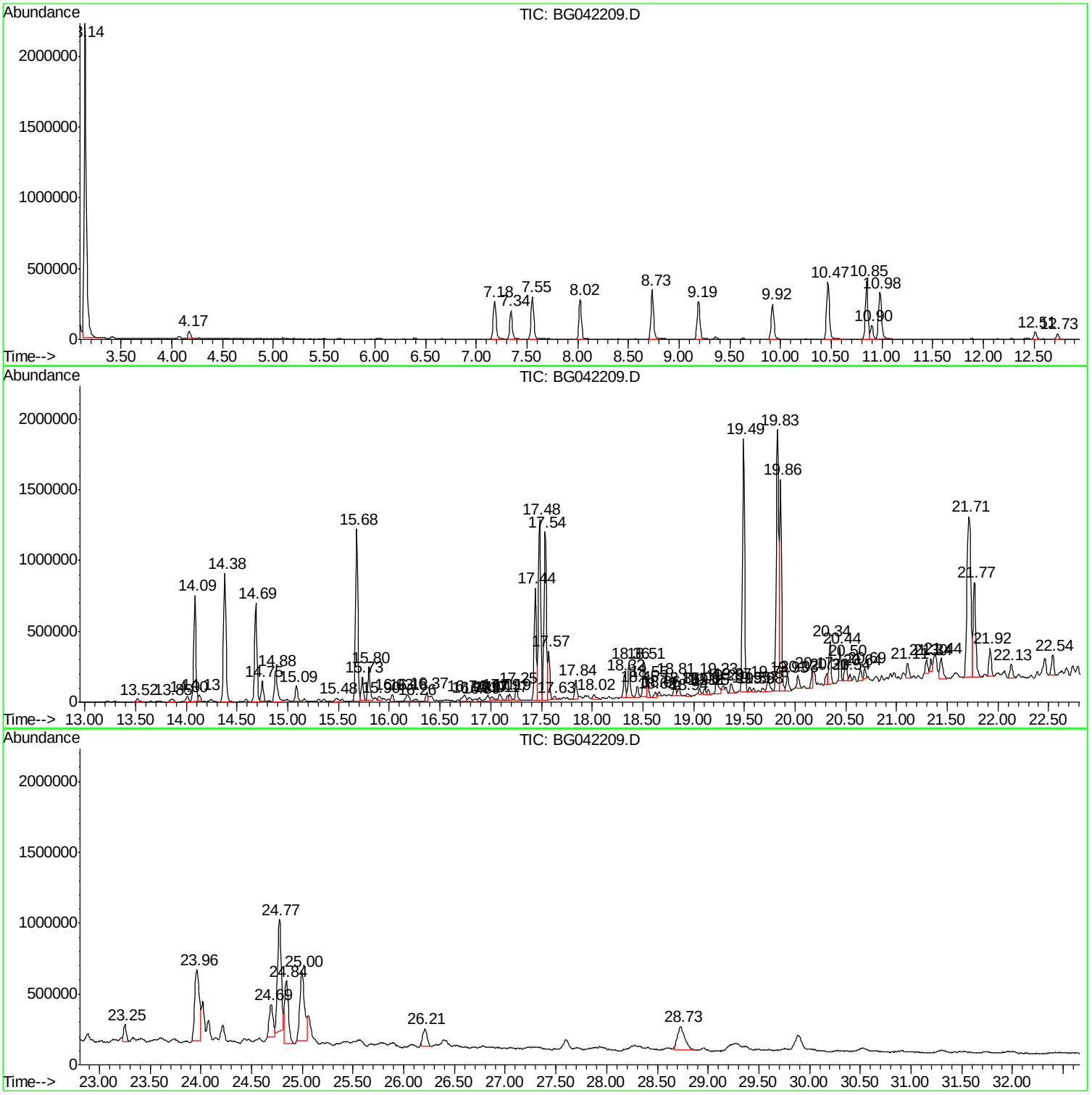
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042209.D
Acq On : 14 Aug 2019 14:30
Operator : HP/JU
Sample : K4304-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.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\BG081319\
Data File : BG042209.D
Acq On : 14 Aug 2019 14:30
Operator : HP/JU
Sample : K4304-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

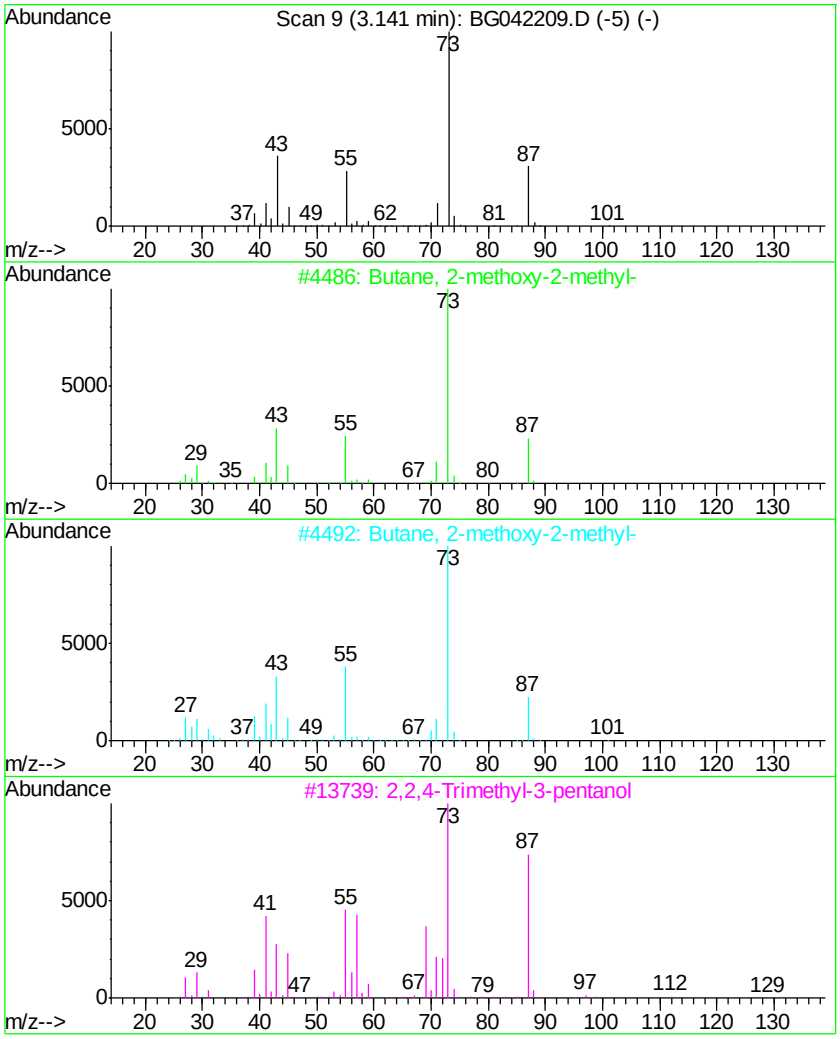
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

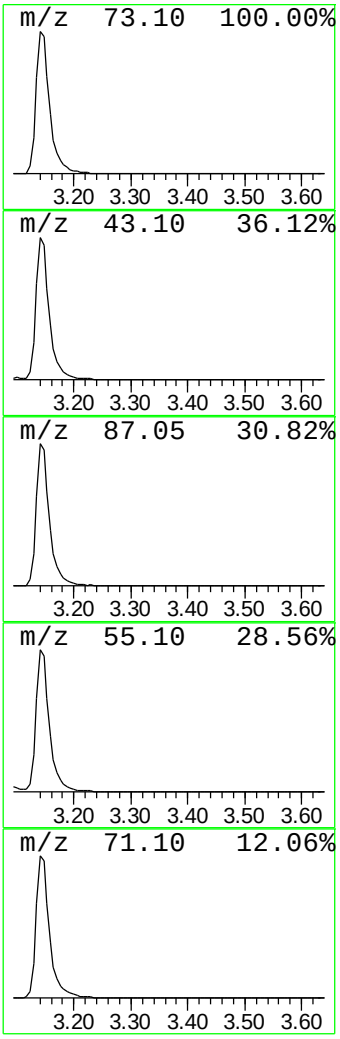
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	147.71 ng/ul	3642670	1,4-Dichlorobenzene-d4	8.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	45
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	36
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042209.D
Acq On : 14 Aug 2019 14:30
Operator : HP/JU
Sample : K4304-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

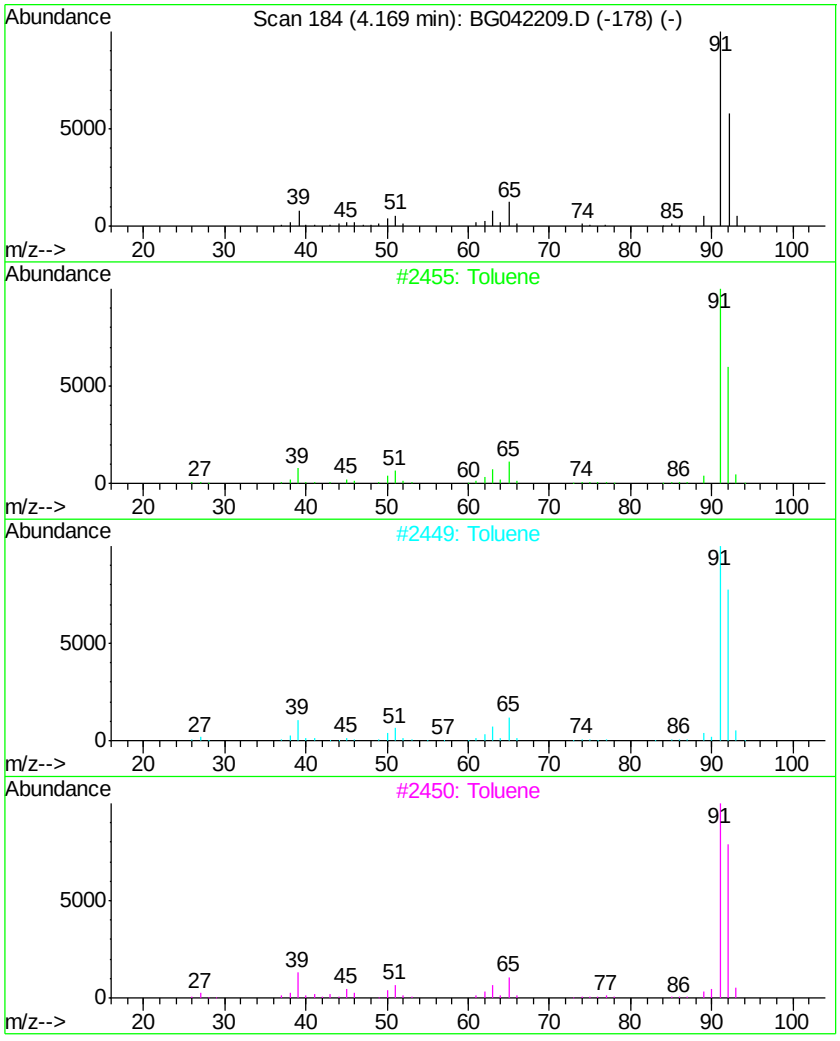
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

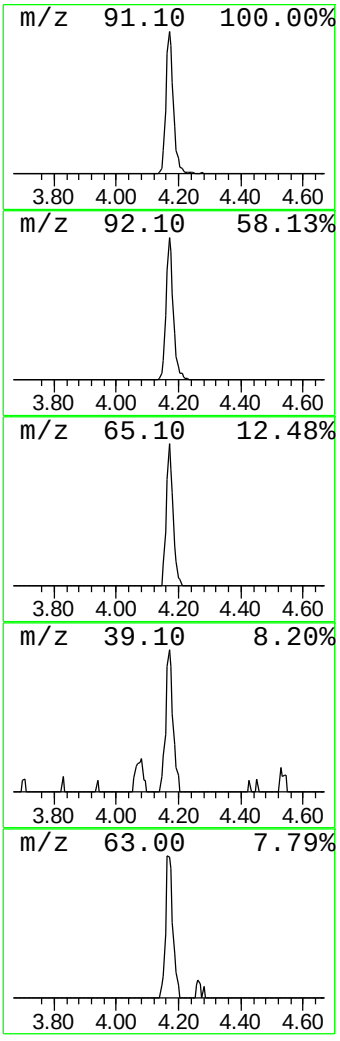
****

Peak Number 2 Toluene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.17	3.92 ng/ul	96750	1,4-Dichlorobenzene-d4	8.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	90
2	Toluene	92	C7H8	000108-88-3	90
3	Toluene	92	C7H8	000108-88-3	90
4	Toluene	92	C7H8	000108-88-3	90
5	Toluene	92	C7H8	000108-88-3	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042209.D
Acq On : 14 Aug 2019 14:30
Operator : HP/JU
Sample : K4304-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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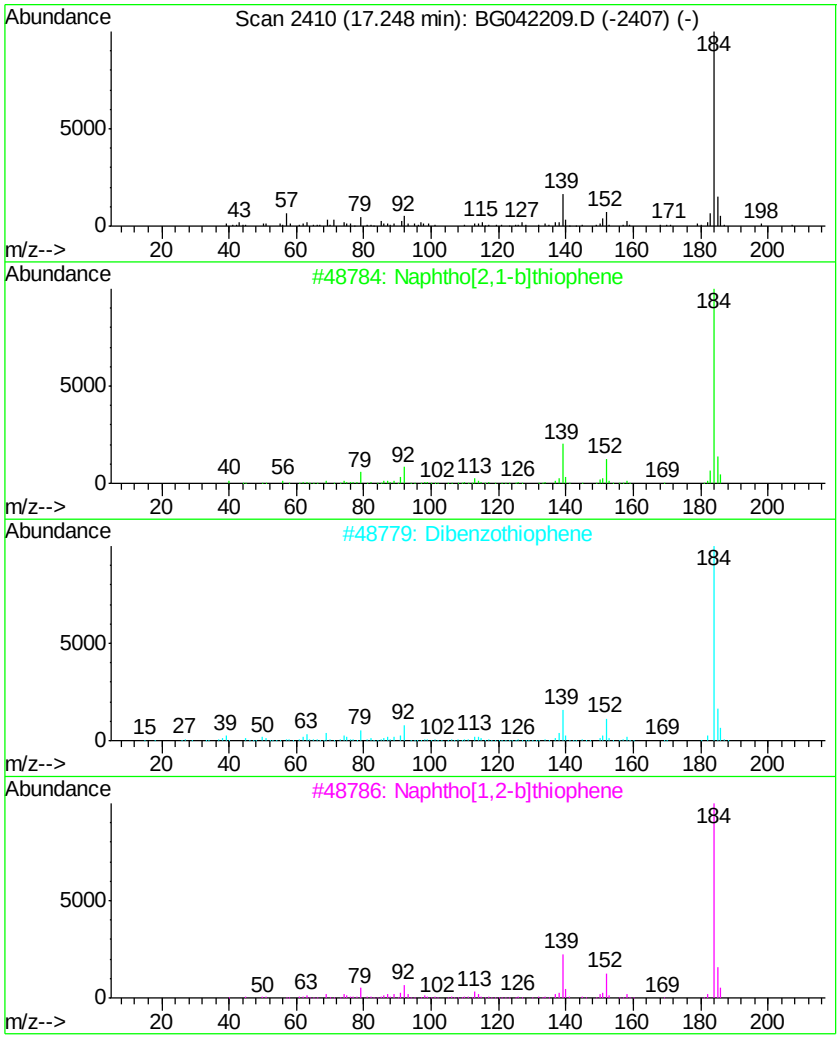
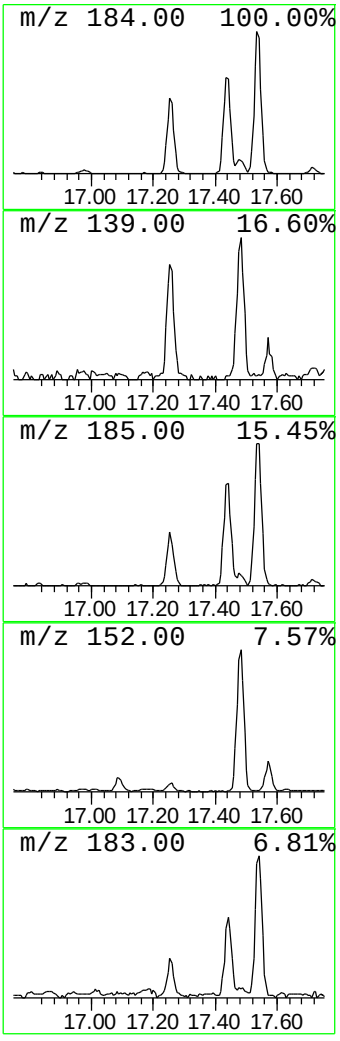
Peak Number 3 Naphtho[2,1-b]thiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.25	2.25 ng/ul	144918	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042209.D
Acq On : 14 Aug 2019 14:30
Operator : HP/JU
Sample : K4304-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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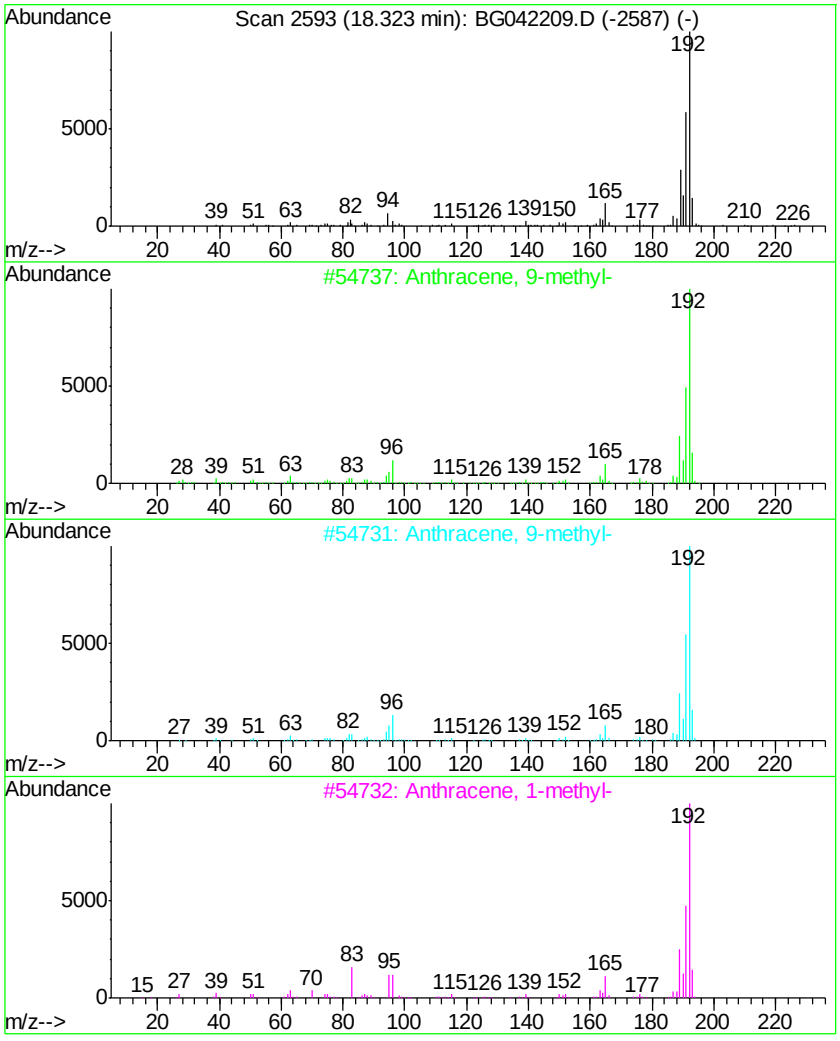
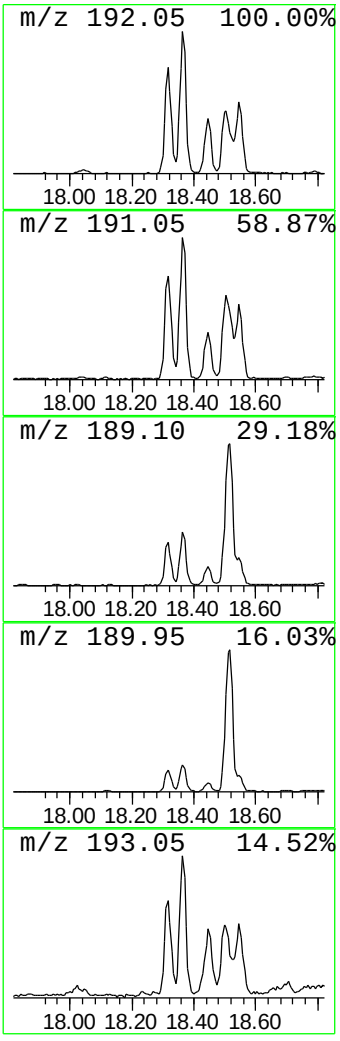
Peak Number 4 Anthracene, 9-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	3.85 ng/ul	248370	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042209.D
Acq On : 14 Aug 2019 14:30
Operator : HP/JU
Sample : K4304-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

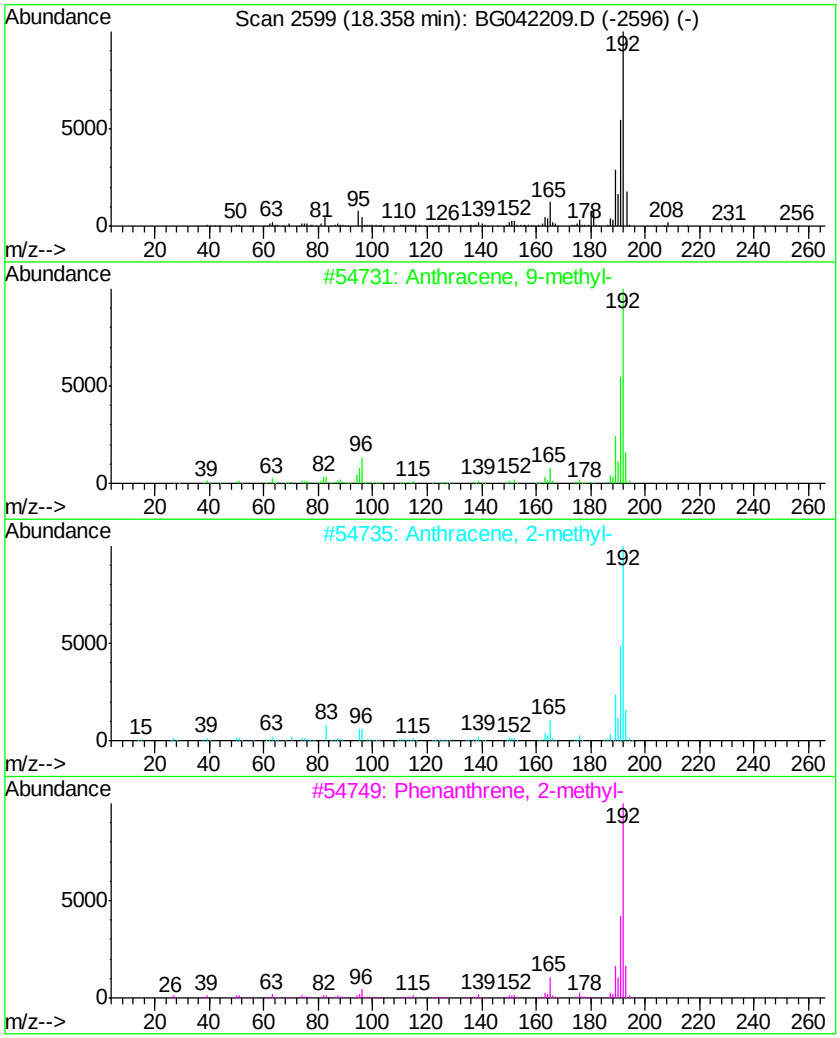
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

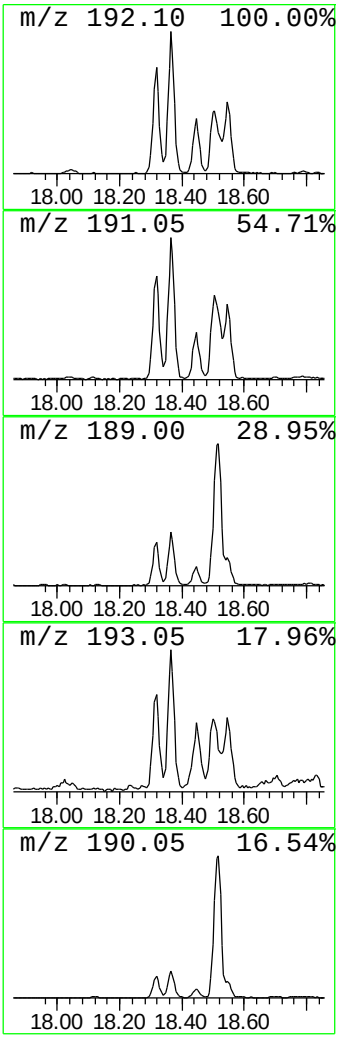
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	5.66 ng/ul	365627	Phenanthrene-d10	17.44

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





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Acq On : 14 Aug 2019 14:30
Operator : HP/JU
Sample : K4304-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

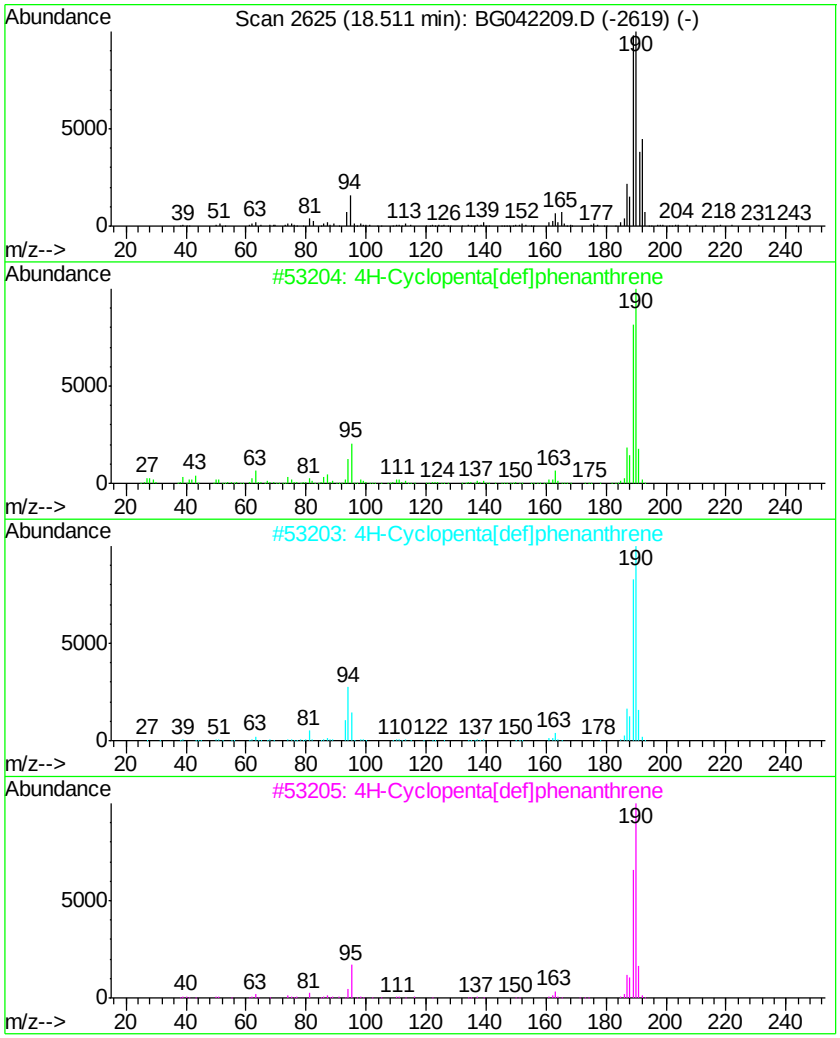
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

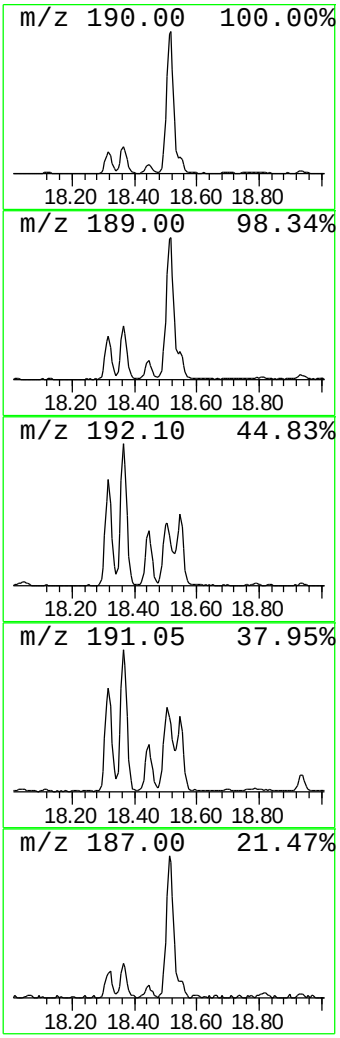
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	7.08 ng/ul	457272	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50





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Misc :
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Instrument : BNA_G
ClientSampleId : CB5P4

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Quant Title : SVOA CALIBRATION

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

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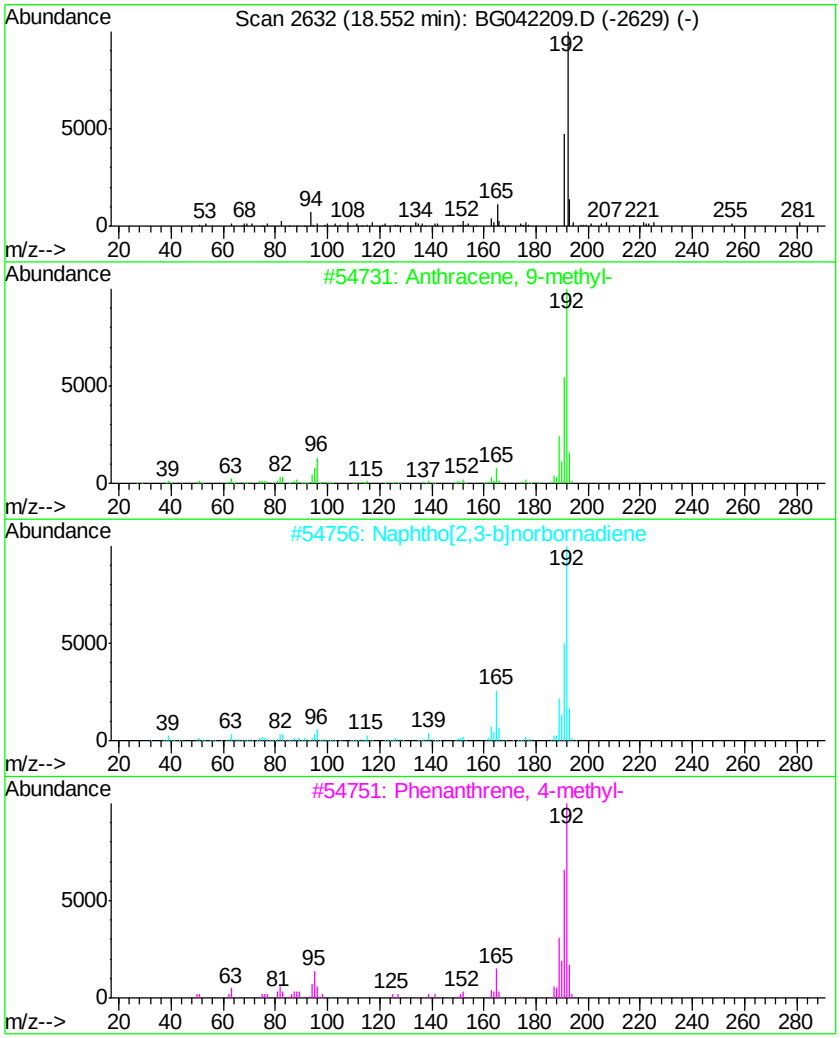
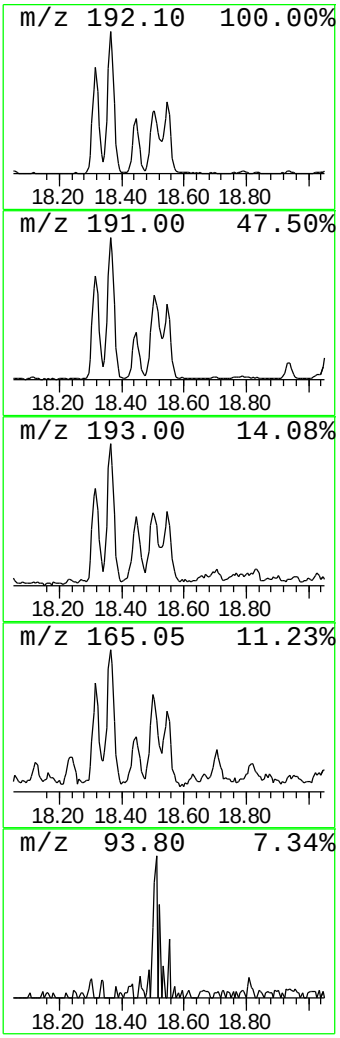
Peak Number 7 Naphtho[2,3-b]norbornadiene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	2.16 ng/ul	139571	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	91
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91





Library Search Compound Report

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Sample : K4304-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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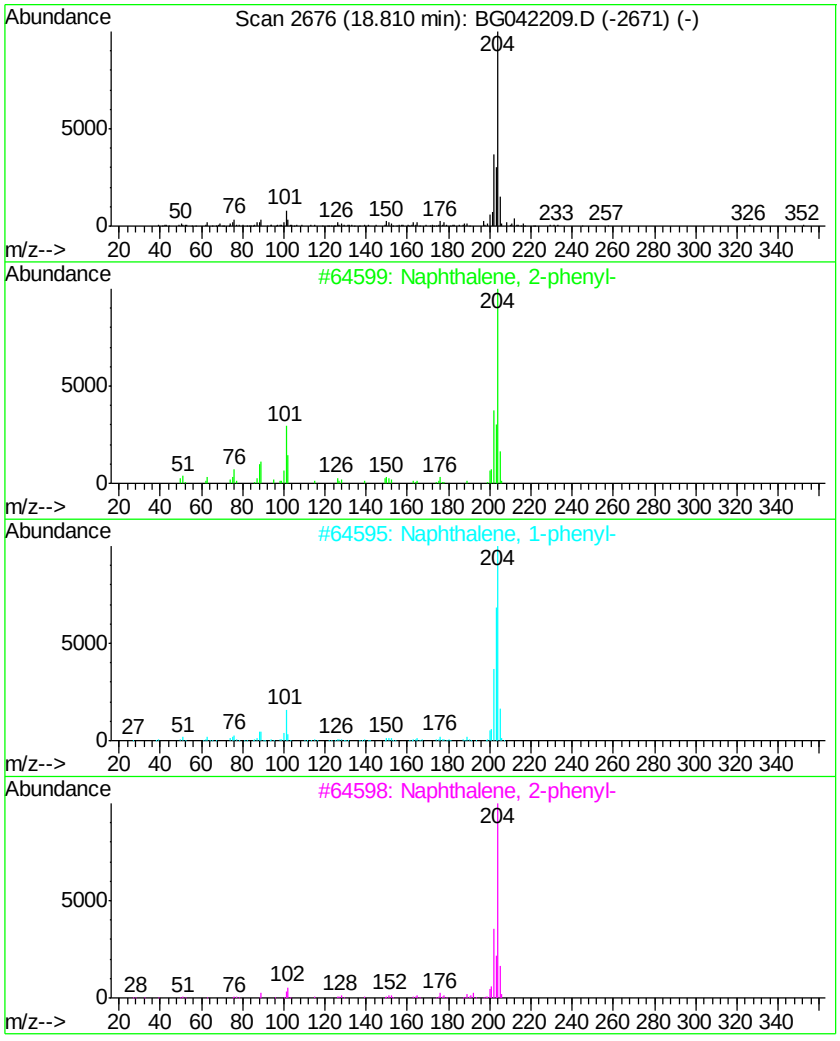
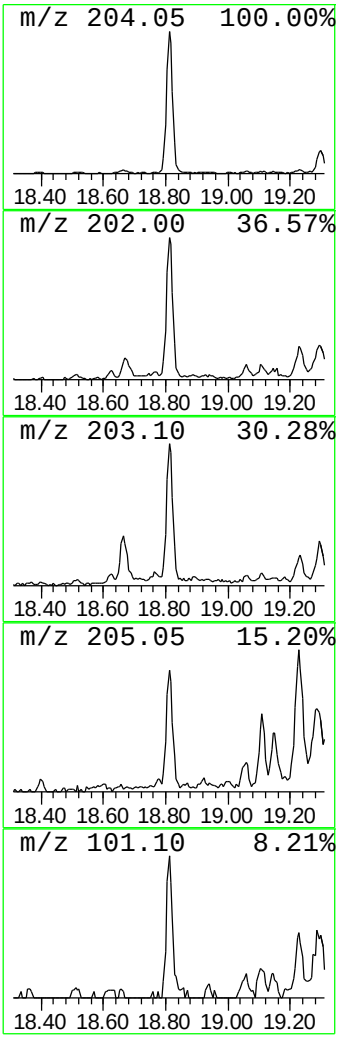
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	2.83 ng/ul	182902	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62





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Acq On : 14 Aug 2019 14:30
Operator : HP/JU
Sample : K4304-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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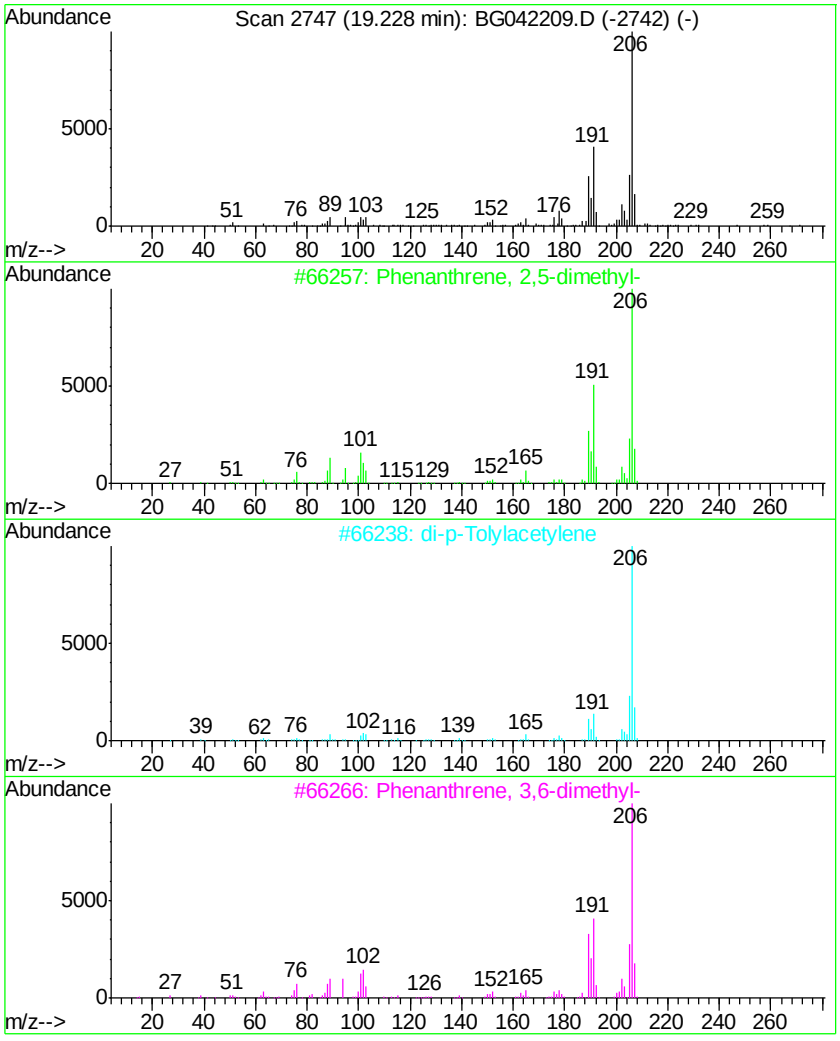
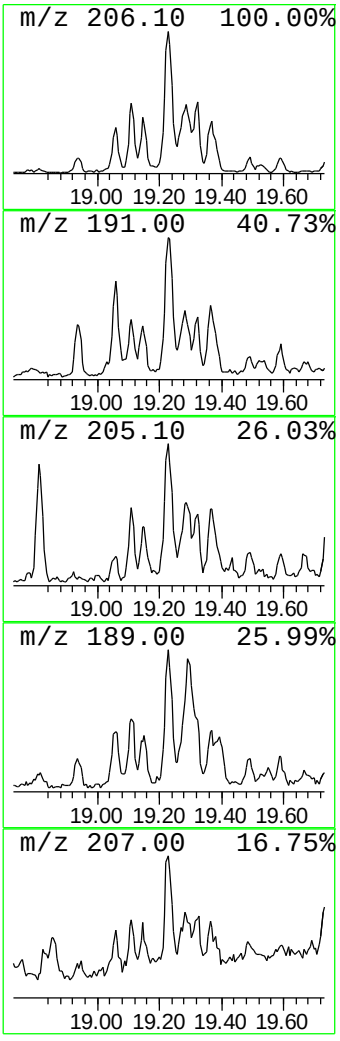
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	3.46 ng/ul	223355	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





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Operator : HP/JU
Sample : K4304-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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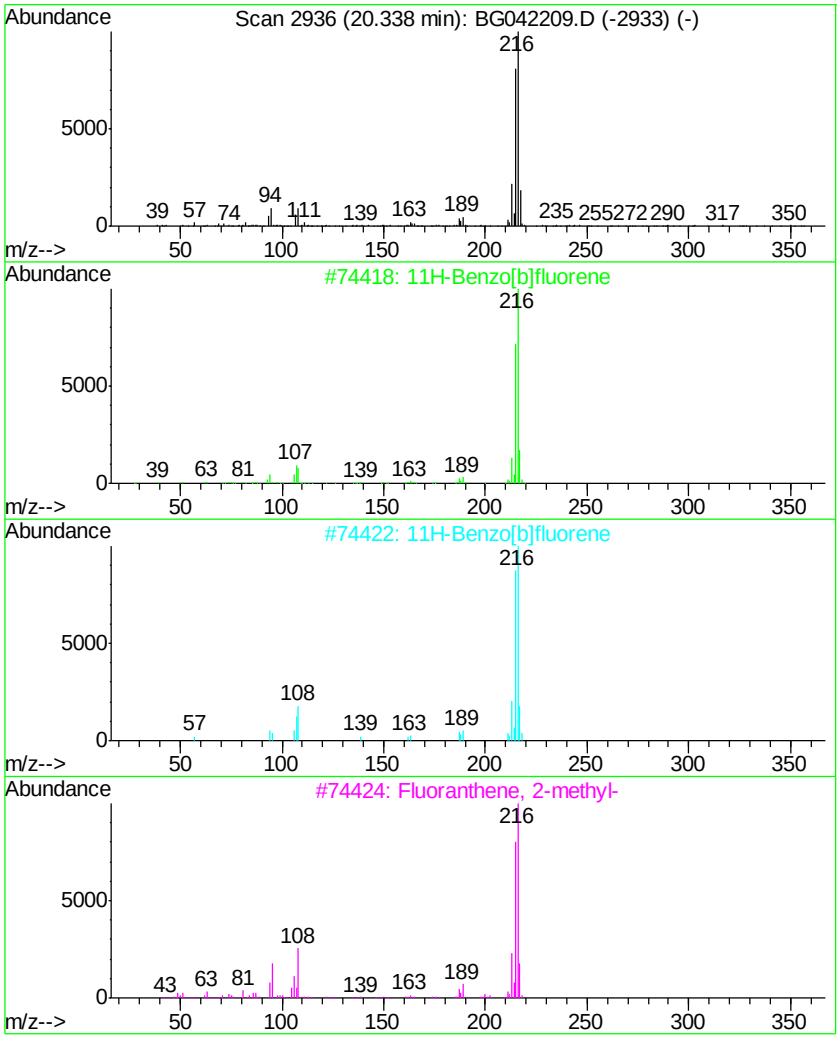
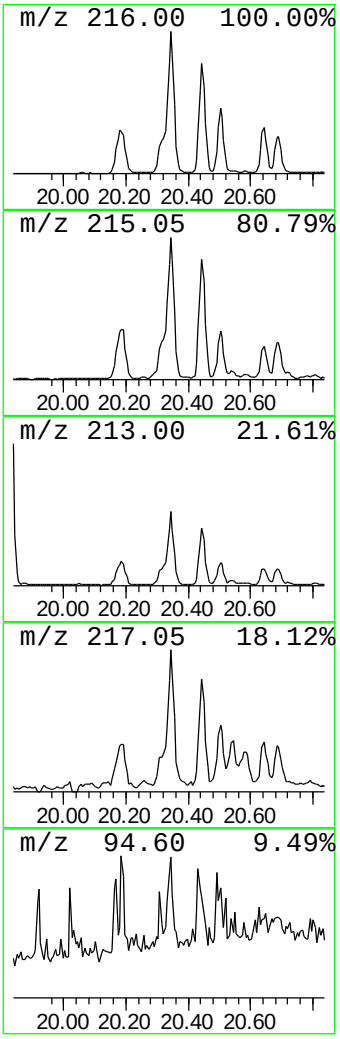
Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.34	2.94 ng/ul	450905	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
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	87





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Acq On : 14 Aug 2019 14:30
Operator : HP/JU
Sample : K4304-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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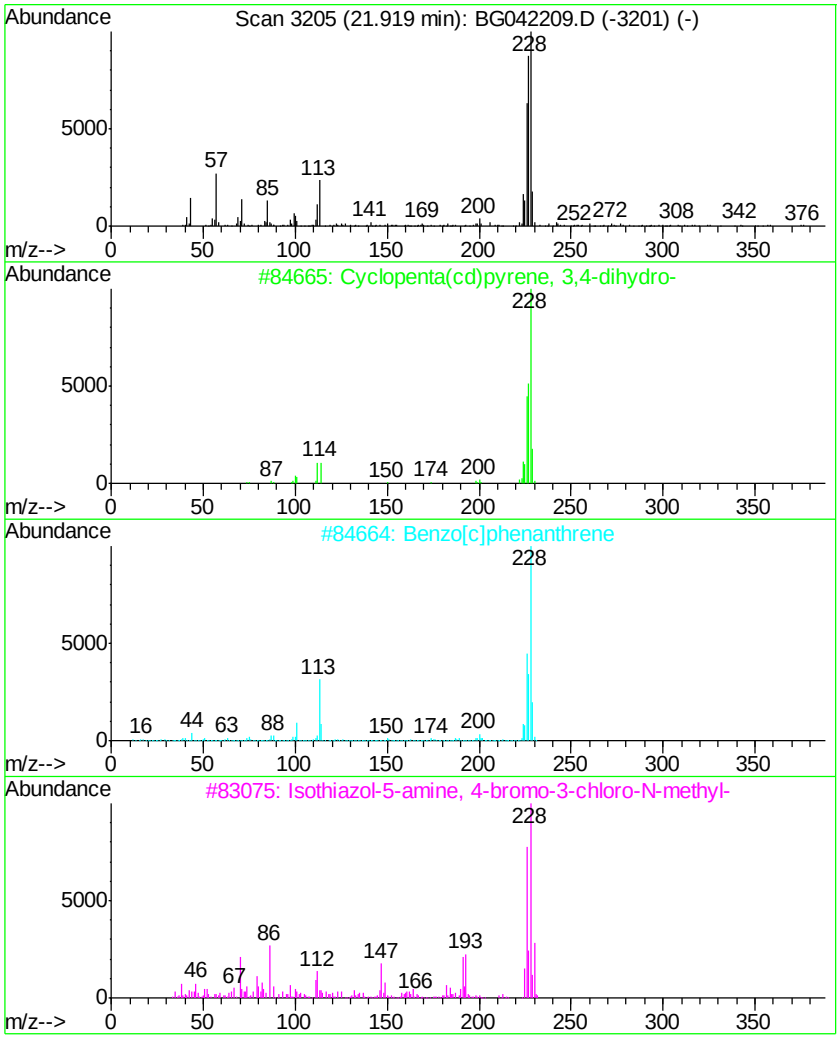
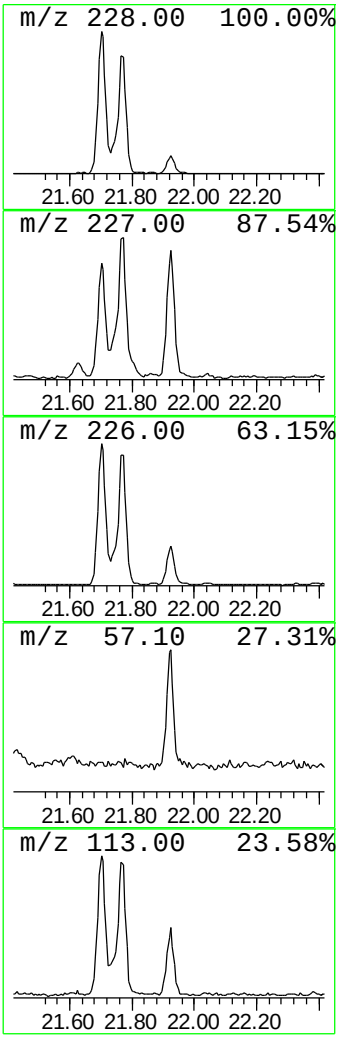
Peak Number 11 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.92	2.01 ng/ul	307457	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	87
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	45
3	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	43
4	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	38
5	Benz[a]anthracene	228	C18H12	000056-55-3	38





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Acq On : 14 Aug 2019 14:30
Operator : HP/JU
Sample : K4304-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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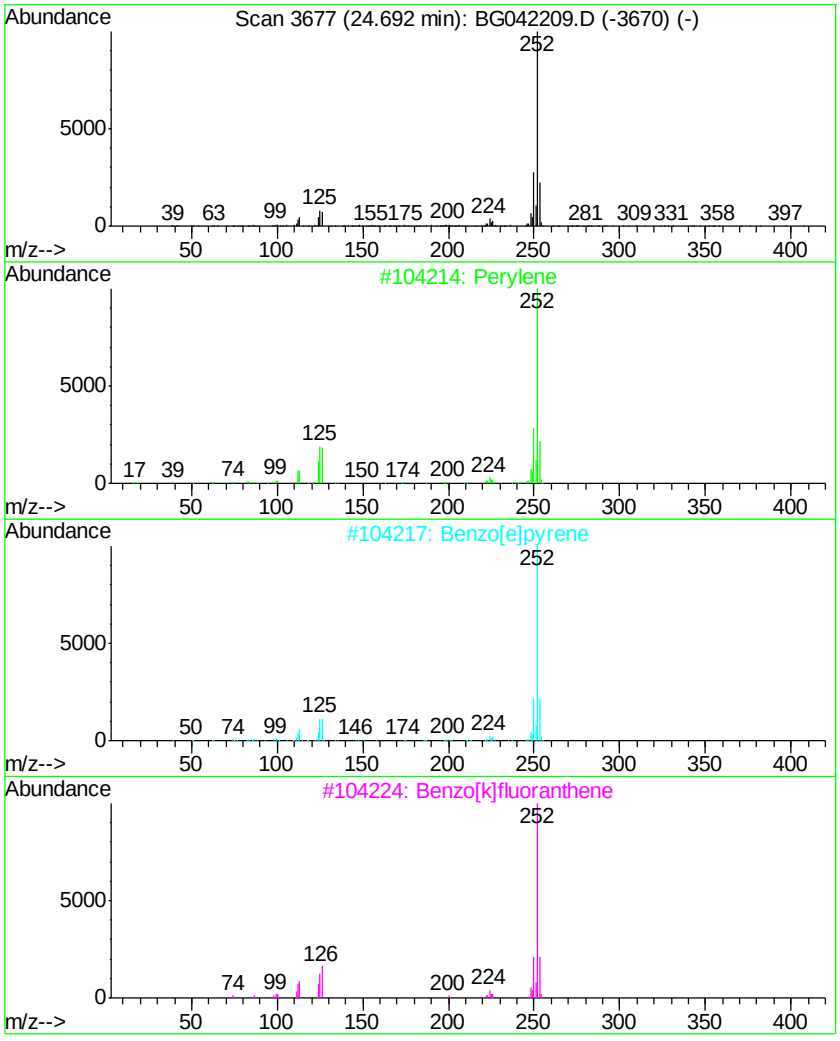
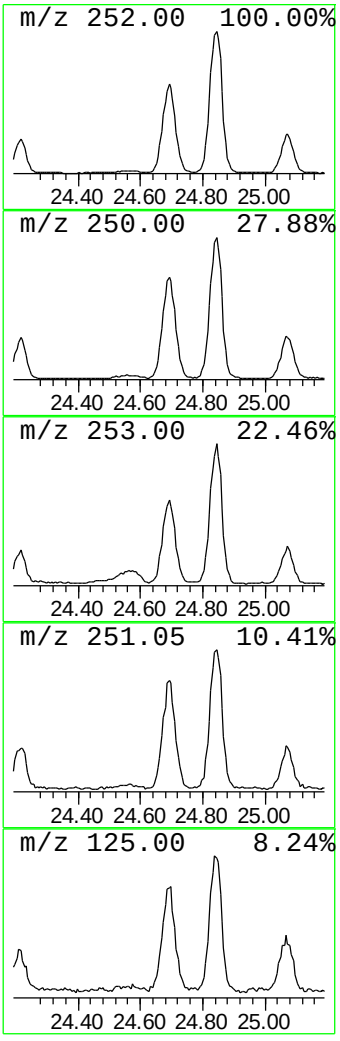
Peak Number 12 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.69	7.48 ng/ul	593974	Perylene-d12	25.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	95
2	Benzo[e]pyrene	252	C20H12	000192-97-2	95
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91





Library Search Compound Report

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Sample : K4304-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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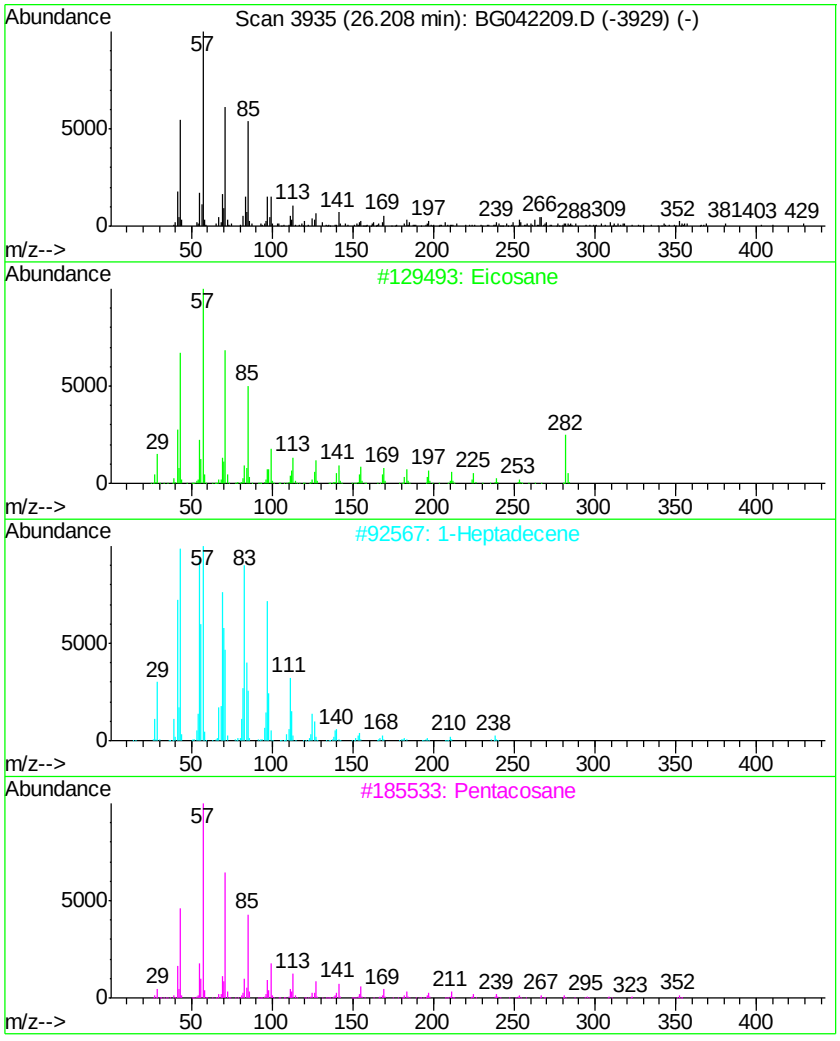
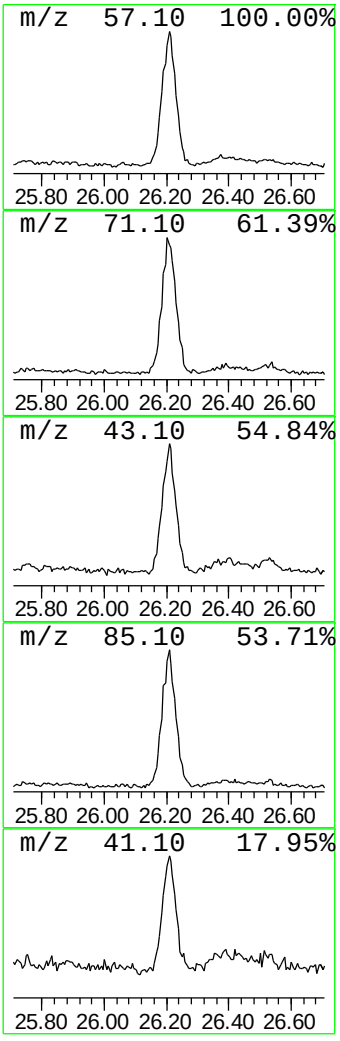
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.21	4.51 ng/ul	358452	Perylene-d12	25.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	1-Heptadecene	238	C17H34	006765-39-5	90
3	Pentacosane	352	C25H52	000629-99-2	89
4	Hexatriacontane	507	C36H74	000630-06-8	87
5	Hexacosane	366	C26H54	000630-01-3	87





Tentatively Identified Compound (LSC) summary

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Data File : BG042209.D
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Operator : HP/JU
Sample : K4304-13
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.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
Butane, 2-methoxy...	3.14	147.7	ng/ul	3642670	1	8.02	493229	20.0
Toluene	4.17	3.9	ng/ul	96750	1	8.02	493229	20.0
Naphtho[2,1-b]thi...	17.25	2.3	ng/ul	144918	4	17.44	1290950	20.0
Anthracene, 9-met...	18.32	3.9	ng/ul	248370	4	17.44	1290950	20.0
Anthracene, 2-met...	18.36	5.7	ng/ul	365627	4	17.44	1290950	20.0
4H-Cyclopenta[def...	18.51	7.1	ng/ul	457272	4	17.44	1290950	20.0
Naphtho[2,3-b]nor...	18.55	2.2	ng/ul	139571	4	17.44	1290950	20.0
Naphthalene, 2-ph...	18.81	2.8	ng/ul	182902	4	17.44	1290950	20.0
Phenanthrene, 2,5...	19.23	3.5	ng/ul	223355	4	17.44	1290950	20.0
11H-Benzo[b]fluorene	20.34	2.9	ng/ul	450905	5	21.72	3064680	20.0
Cyclopenta(cd)pyr...	21.92	2.0	ng/ul	307457	5	21.72	3064680	20.0
Perylene	24.69	7.5	ng/ul	593974	6	25.00	1588400	20.0
(DEL) Alkane: Str...	26.21	4.5	ng/ul	358452	6	25.00	1588400	20.0