LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100919\
Data File : BG043120.D
Acq On : 10 Oct 2019 2:41
Operator : JU
Sample : K5175-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG2

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-BG100919MA.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	3.164	6	13	21	rBV	217439	473633	14.97%	1.120%
2	3.234	21	25	43	rVB	595440	970782	30.69%	2.297%
3	4.016	154	158	166	rVB2	18776	31316	0.99%	0.074%
4	7.224	697	704	722	rBV2	153107	384662	12.16%	0.910%
5	7.376	722	730	741	rBV	139454	261793	8.28%	0.619%
6	7.594	760	767	787	rBV	195563	397495	12.57%	0.940%
7	8.052	837	845	853	rBV	198902	382893	12.10%	0.906%
8	8.769	960	967	981	rBV	163090	377567	11.94%	0.893%
9	9.215	1036	1043	1054	rBV	199259	393280	12.43%	0.930%
10	9.938	1156	1166	1177	rBV2	174448	360702	11.40%	0.853%
11	10.484	1250	1259	1271	rBV	227264	506114	16.00%	1.197%
12	10.860	1314	1323	1330	rBV	288664	558716	17.66%	1.322%
13	11.001	1338	1347	1362	rBV	113921	327844	10.36%	0.776%
14	14.080	1862	1871	1875	rBV	641905	968912	30.63%	2.292%
15	14.121	1875	1878	1890	rVB	233583	372081	11.76%	0.880%
16	14.368	1913	1920	1935	rBV	642697	1153740	36.47%	2.729%
17	14.674	1964	1972	1980	rBV	508142	867803	27.43%	2.053%
18	14.738	1980	1983	1989	rVB2	18939	31200	0.99%	0.074%
19	14.891	2002	2009	2022	rBV5	54817	209355	6.62%	0.495%
20	15.079	2035	2041	2049	rVV10	16816	42066	1.33%	0.100%
21	15.484	2101	2110	2114	rBV3	18832	41253	1.30%	0.098%
22	15.537	2114	2119	2125	rVB	57306	88404	2.79%	0.209%
23	15.667	2133	2141	2148	rBV	906768	1508447	47.68%	3.569%
24	15.778	2154	2160	2169	rBV	223982	358931	11.35%	0.849%
25	16.013	2197	2200	2206	rVB6	13065	24084	0.76%	0.057%
26	16.395	2259	2265	2271	rVB6	22898	51387	1.62%	0.122%
27	16.730	2313	2322	2326	rBV8	17794	39109	1.24%	0.093%
28	16.953	2354	2360	2364	rBV9	17468	33691	1.07%	0.080%
29	17.235	2404	2408	2415	rBV2	19336	37057	1.17%	0.088%
30	17.423	2431	2440	2443	rBV	663188	1088827	34.42%	2.576%
31	17.464	2443	2447	2451	rVV	312131	503411	15.91%	1.191%
32	17.517	2451	2456	2466	rVV2	1046719	1783122	56.37%	4.218%
33	17.594	2467	2469	2478	rVB7	25900	49907	1.58%	0.118%
34	17.829	2502	2509	2513	rBV3	33171	69299	2.19%	0.164%

LSC Area Percent Report

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Sample : K5175-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG2

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-BG100919MA.M
Title : SVOA CALIBRATION

35	17.870	2513	2516	2519	rVV5	28133	44359	1.40%	0.105%
36	17.905	2519	2522	2525	rVV5	23400	35567	1.12%	0.084%
37	17.940	2525	2528	2533	rVV5	34188	52049	1.65%	0.123%
38	18.005	2534	2539	2548	rVV3	59269	129391	4.09%	0.306%
39	18.140	2557	2562	2567	rBV9	31140	61343	1.94%	0.145%
40	18.311	2584	2591	2594	rBV2	182390	369112	11.67%	0.873%
41	18.340	2594	2596	2600	rVV	137751	228245	7.22%	0.540%
42	18.375	2600	2602	2607	rVV	129132	159862	5.05%	0.378%
43	18.428	2607	2611	2615	rVV	43222	62363	1.97%	0.148%
44	18.487	2615	2621	2625	rVV3	280030	483732	15.29%	1.144%
45	18.546	2628	2631	2635	rVV	112102	162286	5.13%	0.384%
46	18.593	2635	2639	2644	rVB3	68336	102924	3.25%	0.243%
47	18.687	2652	2655	2659	rVB6	18167	30940	0.98%	0.073%
48	18.769	2664	2669	2675	rVV5	104002	249942	7.90%	0.591%
49	18.828	2676	2679	2689	rVV5	82226	172926	5.47%	0.409%
50	18.910	2690	2693	2696	rVV5	43211	69248	2.19%	0.164%
51	18.945	2696	2699	2706	rVV3	75059	104767	3.31%	0.248%
52	19.010	2707	2710	2711	rVV3	25160	27614	0.87%	0.065%
53	19.045	2712	2716	2720	rVV4	58011	99571	3.15%	0.236%
54	19.086	2720	2723	2726	rVV	42560	58231	1.84%	0.138%
55	19.121	2726	2729	2733	rVB2	35712	50379	1.59%	0.119%
56	19.209	2738	2744	2748	rBV	112619	227083	7.18%	0.537%
57	19.251	2748	2751	2755	rVV3	74309	93037	2.94%	0.220%
58	19.298	2756	2759	2762	rVV	131629	172789	5.46%	0.409%
59	19.333	2762	2765	2774	rVB5	210539	389781	12.32%	0.922%
60	19.409	2776	2778	2783	rBV5	23510	25791	0.82%	0.061%
61	19.468	2783	2788	2795	rBV	787493	1172348	37.06%	2.773%
62	19.533	2795	2799	2802	rBV4	70090	128694	4.07%	0.304%
63	19.609	2808	2812	2817	rVB2	234486	314832	9.95%	0.745%
64	19.668	2819	2822	2827	rVV5	86576	121097	3.83%	0.286%
65	19.803	2839	2845	2848	rBV	1623242	2522893	79.75%	5.968%
66	19.832	2848	2850	2855	rVV	913208	1156809	36.57%	2.737%
67	19.903	2859	2862	2866	rVB3	47793	67374	2.13%	0.159%
68	19.944	2866	2869	2874	rVB2	72432	85992	2.72%	0.203%
69	19.997	2875	2878	2883	rBV3	55449	91103	2.88%	0.216%
70	20.056	2883	2888	2898	rVB2	222495	383128	12.11%	0.906%
71	20.155	2899	2905	2906	rBV5	100549	168731	5.33%	0.399%

LSC Area Percent Report

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Acq On : 10 Oct 2019 2:41
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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG2

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Title : SVOA CALIBRATION

72	20.320	2923	2933	2937	rBV	267660	579415	18.32%	1.371%
73	20.361	2937	2940	2945	rVB	162819	200830	6.35%	0.475%
74	20.420	2947	2950	2955	rBV	119501	164925	5.21%	0.390%
75	20.479	2956	2960	2964	rBV2	128946	182382	5.77%	0.431%
76	20.590	2976	2979	2981	rBV	76532	79362	2.51%	0.188%
77	20.620	2981	2984	2987	rVV2	85033	111001	3.51%	0.263%
78	20.667	2989	2992	2997	rVB2	164149	211240	6.68%	0.500%
79	20.913	3031	3034	3037	rVB4	91686	105399	3.33%	0.249%
80	21.019	3050	3052	3055	rBV2	44919	53119	1.68%	0.126%
81	21.066	3056	3060	3069	rVB4	142727	359609	11.37%	0.851%
82	21.272	3088	3095	3099	rBV3	90601	213037	6.73%	0.504%
83	21.313	3099	3102	3104	rBV	67236	91090	2.88%	0.215%
84	21.542	3136	3141	3142	rBV3	69292	116777	3.69%	0.276%
85	21.577	3142	3147	3153	rVB	2375584	3163453	100.00%	7.484%
86	21.689	3158	3166	3171	rVV3	965746	2446255	77.33%	5.787%
87	21.736	3171	3174	3187	rVB	563550	1037518	32.80%	2.454%
88	21.853	3191	3194	3196	rVV3	109678	150009	4.74%	0.355%
89	21.889	3196	3200	3207	rVB3	192305	350729	11.09%	0.830%
90	22.118	3230	3239	3245	rBV6	91294	297220	9.40%	0.703%
91	22.235	3256	3259	3263	rVB2	78847	97063	3.07%	0.230%
92	22.494	3298	3303	3311	rVB3	179559	317399	10.03%	0.751%
93	23.181	3416	3420	3427	rVB3	127191	254088	8.03%	0.601%
94	23.375	3450	3453	3460	rVB3	124261	227663	7.20%	0.539%
95	23.892	3533	3541	3549	rBV2	362159	1192065	37.68%	2.820%
96	24.615	3658	3664	3669	rBV	165691	388389	12.28%	0.919%
97	24.697	3669	3678	3684	rBV	746378	1882280	59.50%	4.453%
98	24.762	3684	3689	3703	rVB	331546	883431	27.93%	2.090%
99	24.915	3705	3715	3720	rBV2	563478	1699525	53.72%	4.021%
100	28.575	4327	4338	4358	rVB3	153130	790533	24.99%	1.870%

Sum of corrected areas: 42271022

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100919\
Data File : BG043120.D
Acq On : 10 Oct 2019 2:41
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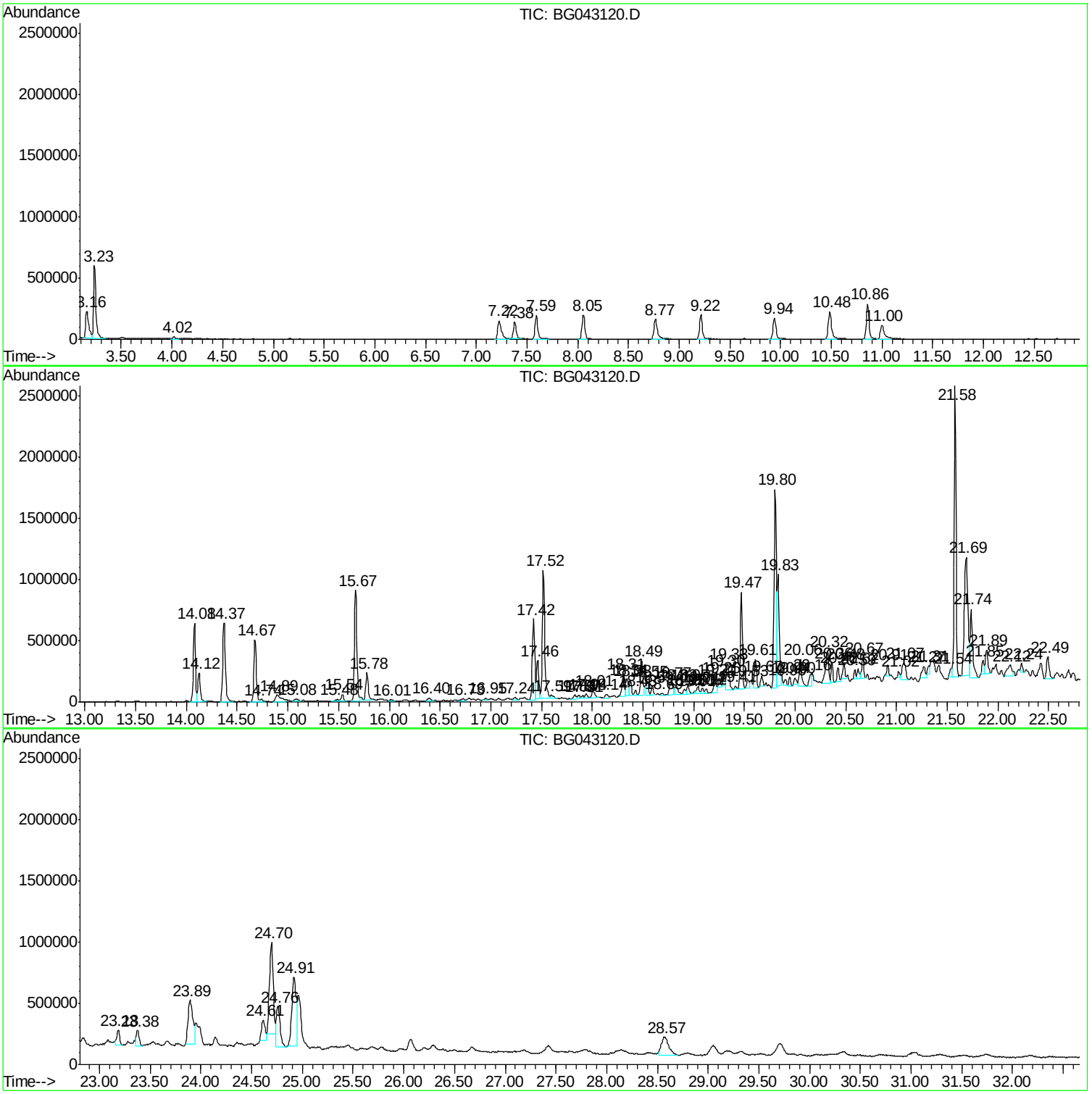
Sample : K5175-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100919\
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Quant Title : SVOA CALIBRATION

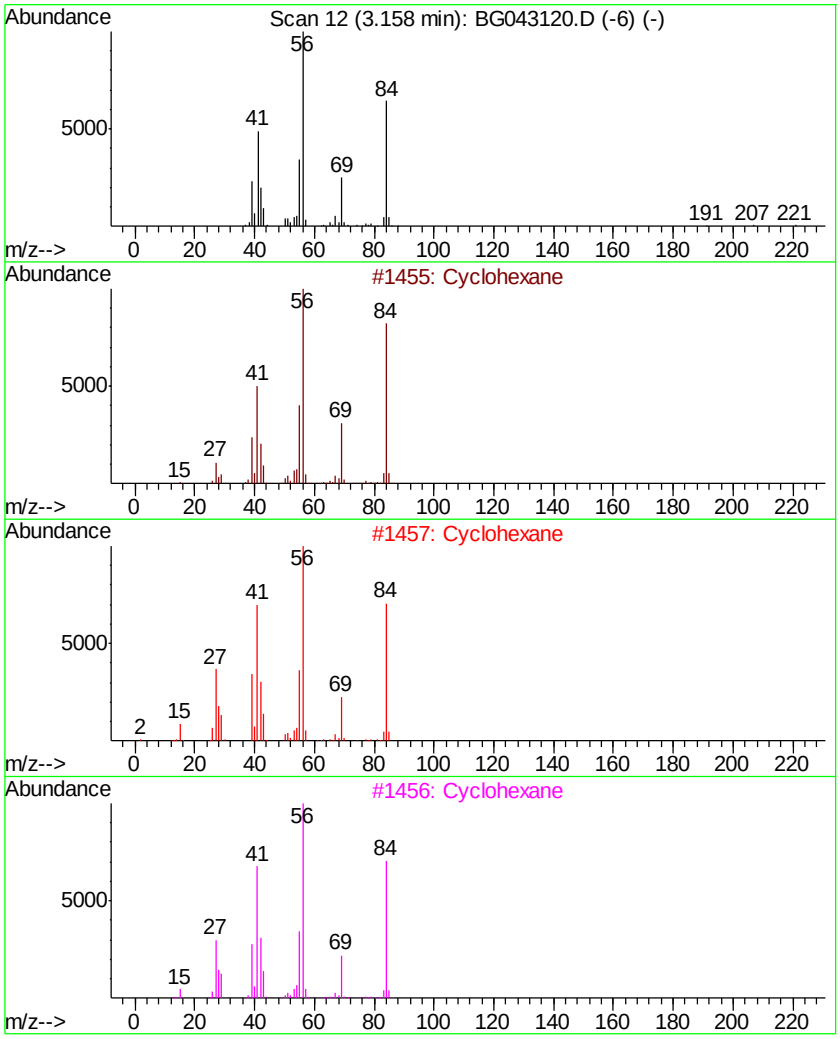
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

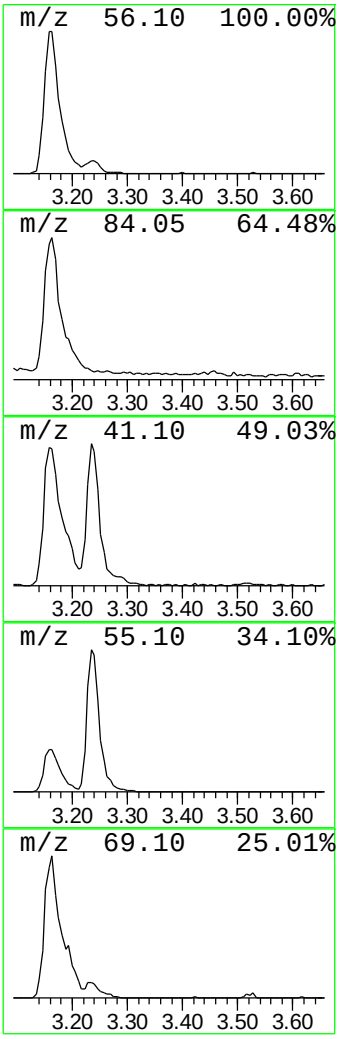
****

Peak Number 1 (DEL) Alkane: Cyclic3.16 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.16	24.74 ng/ul	473633	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane	84	C6H12	000110-82-7	95
2	Cyclohexane	84	C6H12	000110-82-7	91
3	Cyclohexane	84	C6H12	000110-82-7	91
4	Cyclohexane	84	C6H12	000110-82-7	90
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100919\
Data File : BG043120.D
Acq On : 10 Oct 2019 2:41
Operator : JU
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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Quant Title : SVOA CALIBRATION

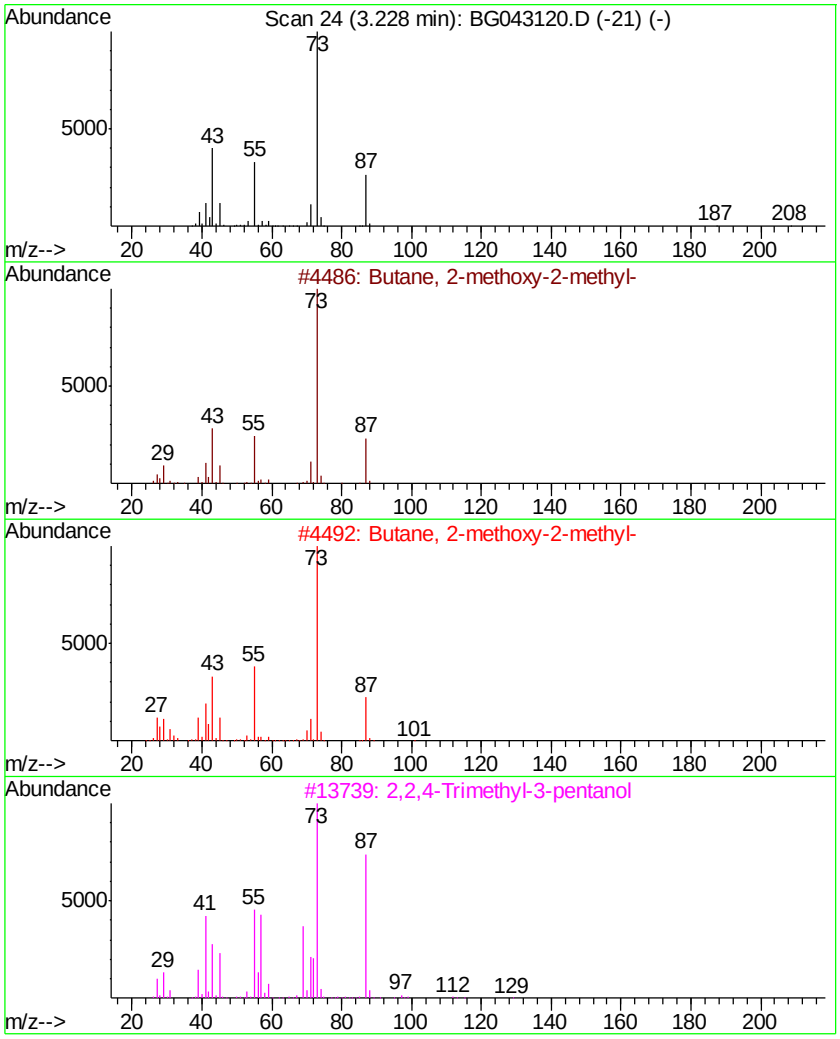
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

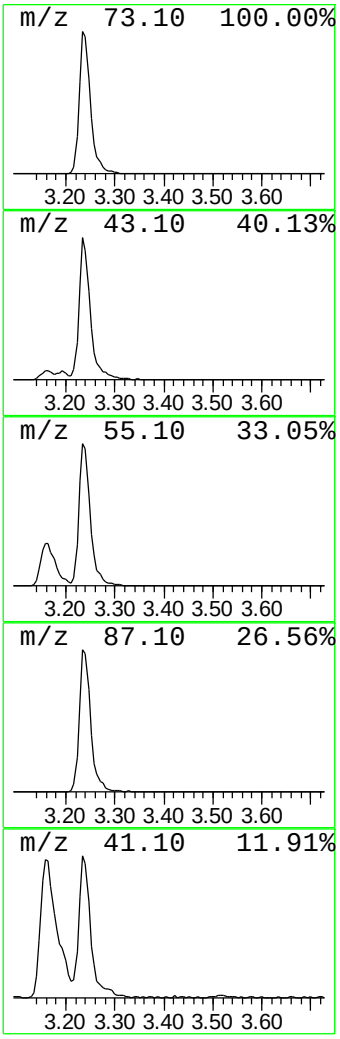
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.23	50.71 ng/ul	970782	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	38
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	35
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9





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Quant Title : SVOA CALIBRATION

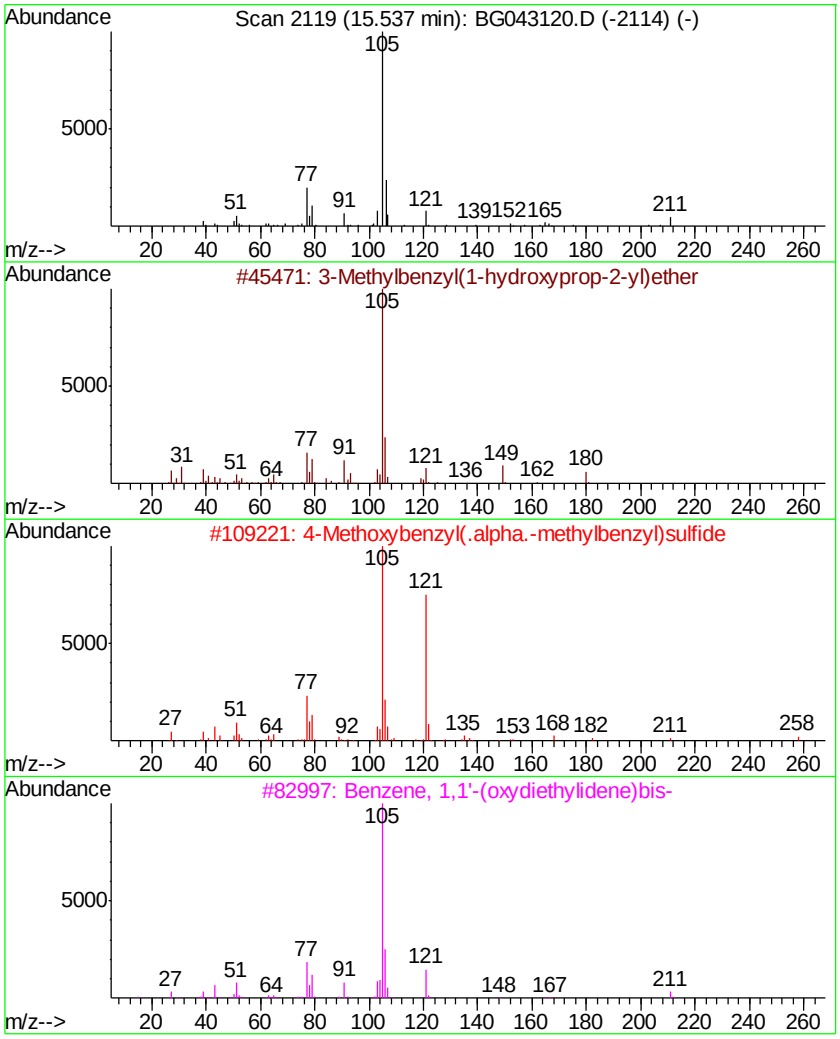
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

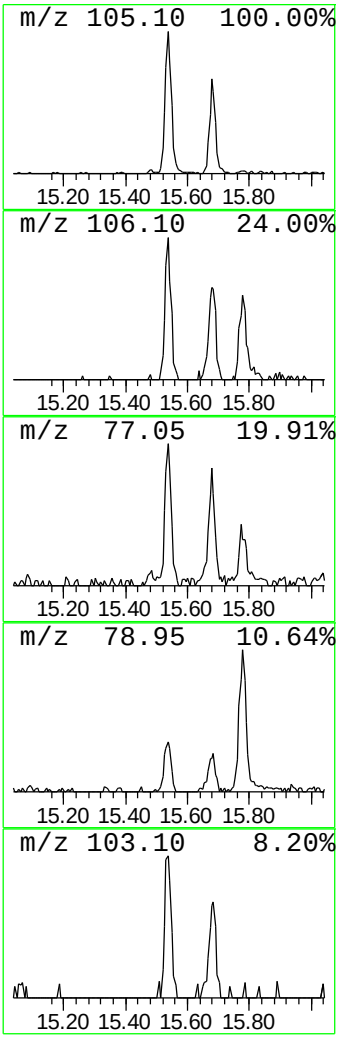
****

Peak Number 3 3-Methylbenzyl(1-hydroxypro... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	2.04 ng/ul	88404	Acenaphthene-d10	14.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylbenzyl(1-hydroxyprop-2-y...	180	C11H16O2	1000284-47-8	64
2	4-Methoxybenzyl(.alpha.-methylbe...	258	C16H18OS	1000284-36-6	56
3	Benzene, 1,1'-(oxydiethylidene)bis-	226	C16H18O	000093-96-9	47
4	Thiophene, 2-(4-methylbenzylsulf...	252	C12H12O2S2	153837-88-8	47
5	Benzene, 1,1'-(oxydiethylidene)bis-	226	C16H18O	000093-96-9	45





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Instrument : BNA_G
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Quant Title : SVOA CALIBRATION

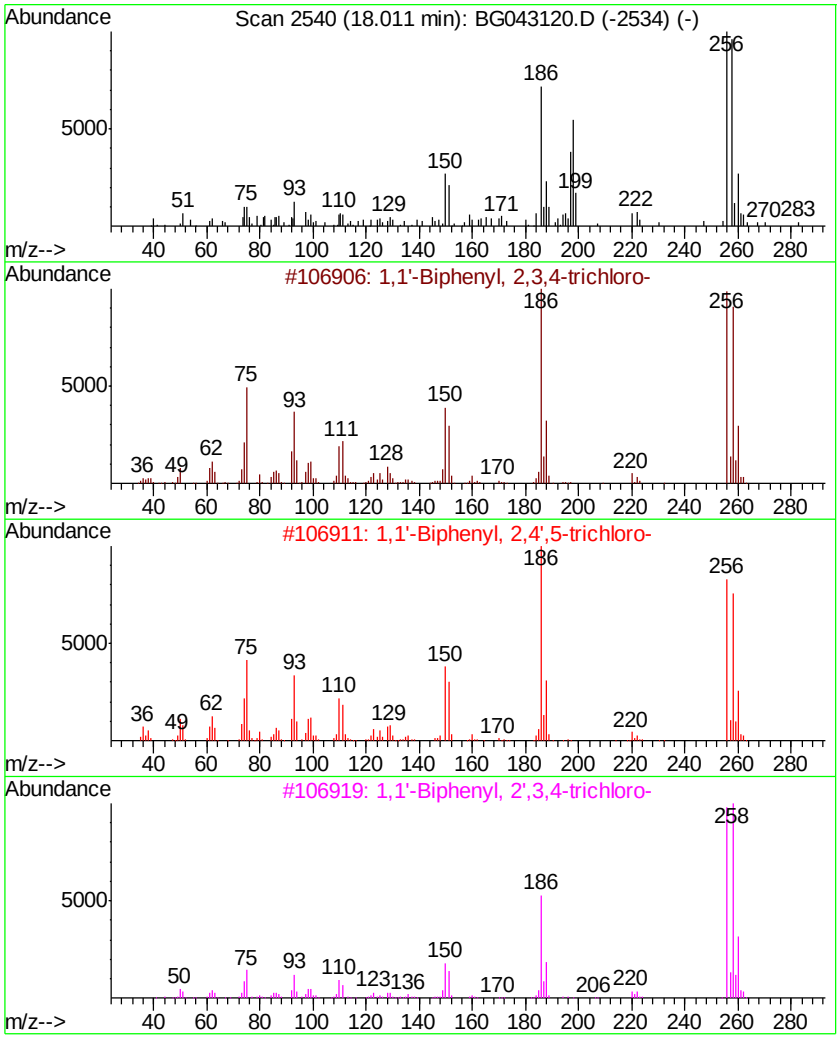
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

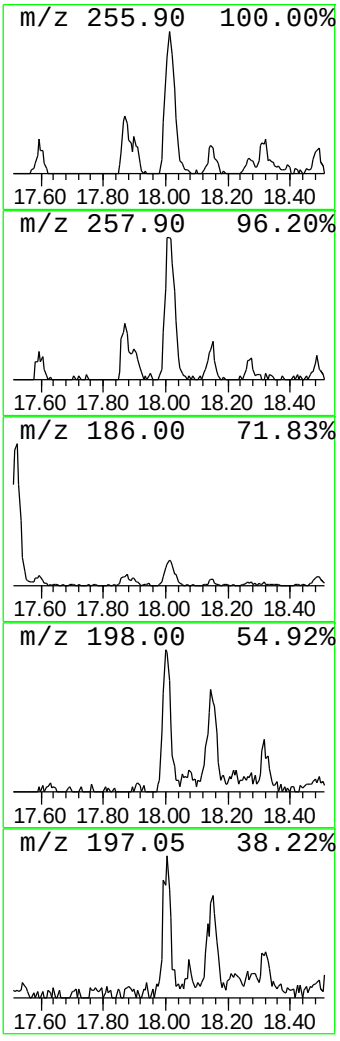
****

Peak Number 4 1,1'-Biphenyl, 2,3,4-trichl... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	2.38 ng/ul	129391	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	99
2	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	98
3	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	98
4	1,1'-Biphenyl, 3,4',5-trichloro-	256	C12H7Cl3	038444-88-1	97
5	1,1'-Biphenyl, 3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	97





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ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Quant Title : SVOA CALIBRATION

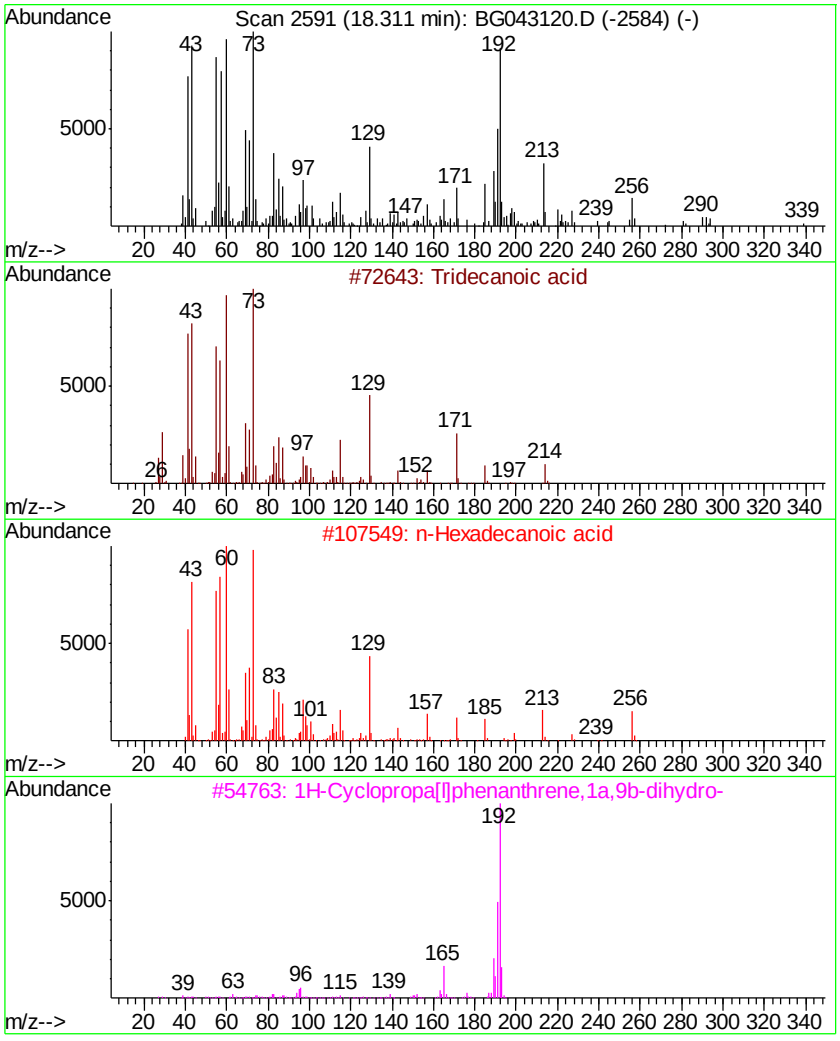
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

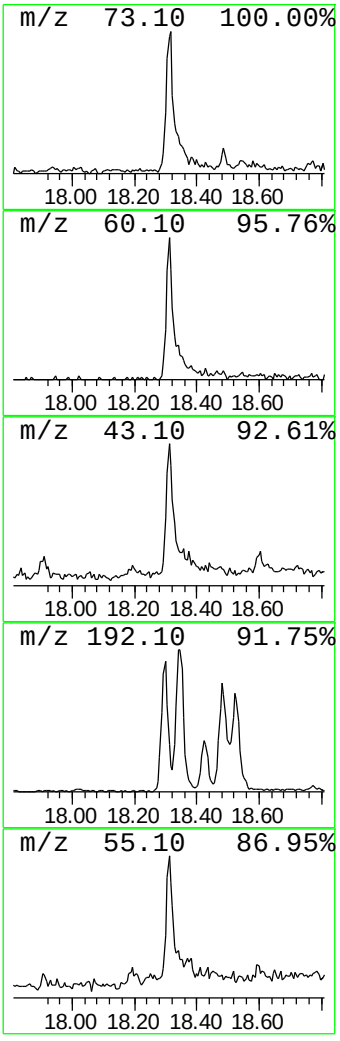
****

Peak Number 5 Tridecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	6.78 ng/ul	369112	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	94
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	78
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	74
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	70





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Data File : BG043120.D
Acq On : 10 Oct 2019 2:41
Operator : JU
Sample : K5175-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG2

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Quant Title : SVOA CALIBRATION

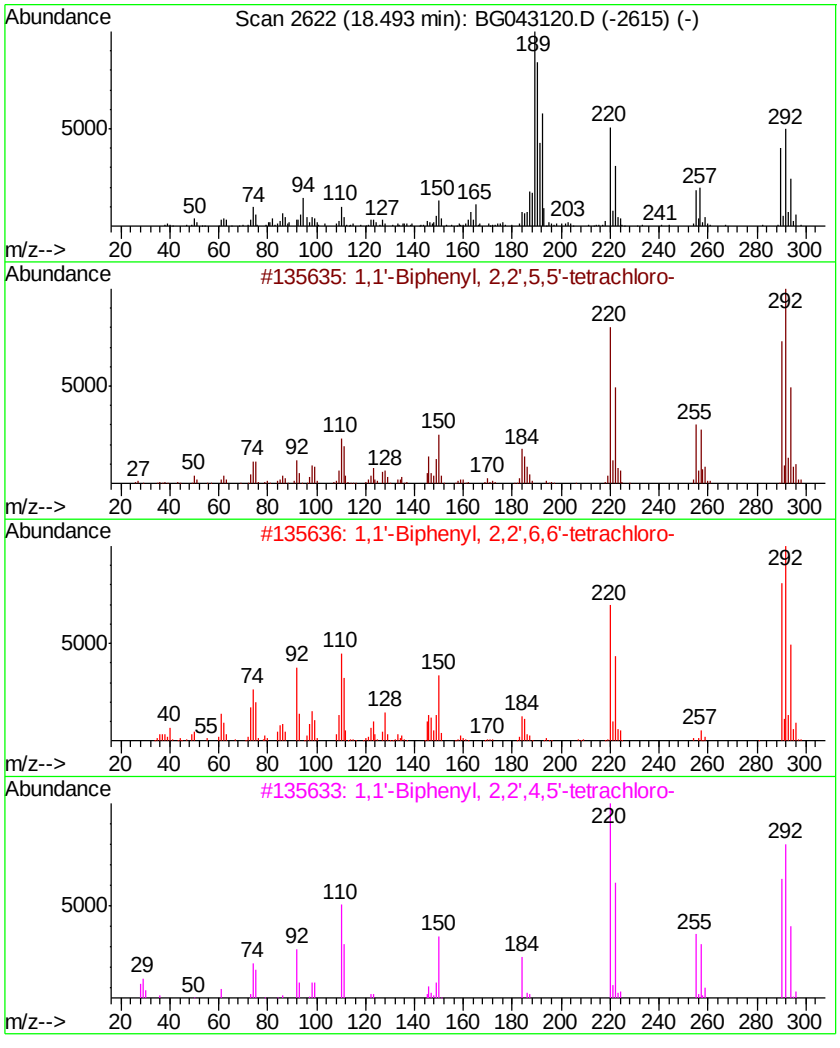
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

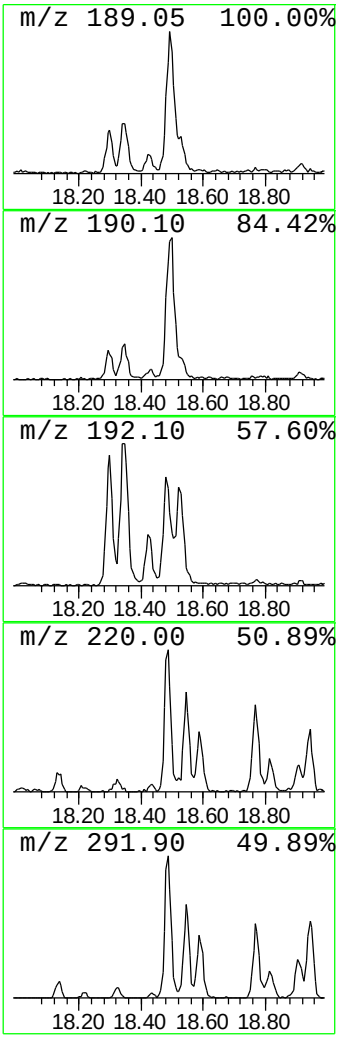
****

Peak Number 6 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	8.89 ng/ul	483732	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	96
2	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	96
3	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	95
4	1,1'-Biphenyl, 2,2',3,5'-tetrach...	290	C12H6Cl4	041464-39-5	94
5	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	94





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Acq On : 10 Oct 2019 2:41
Operator : JU
Sample : K5175-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG2

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Quant Title : SVOA CALIBRATION

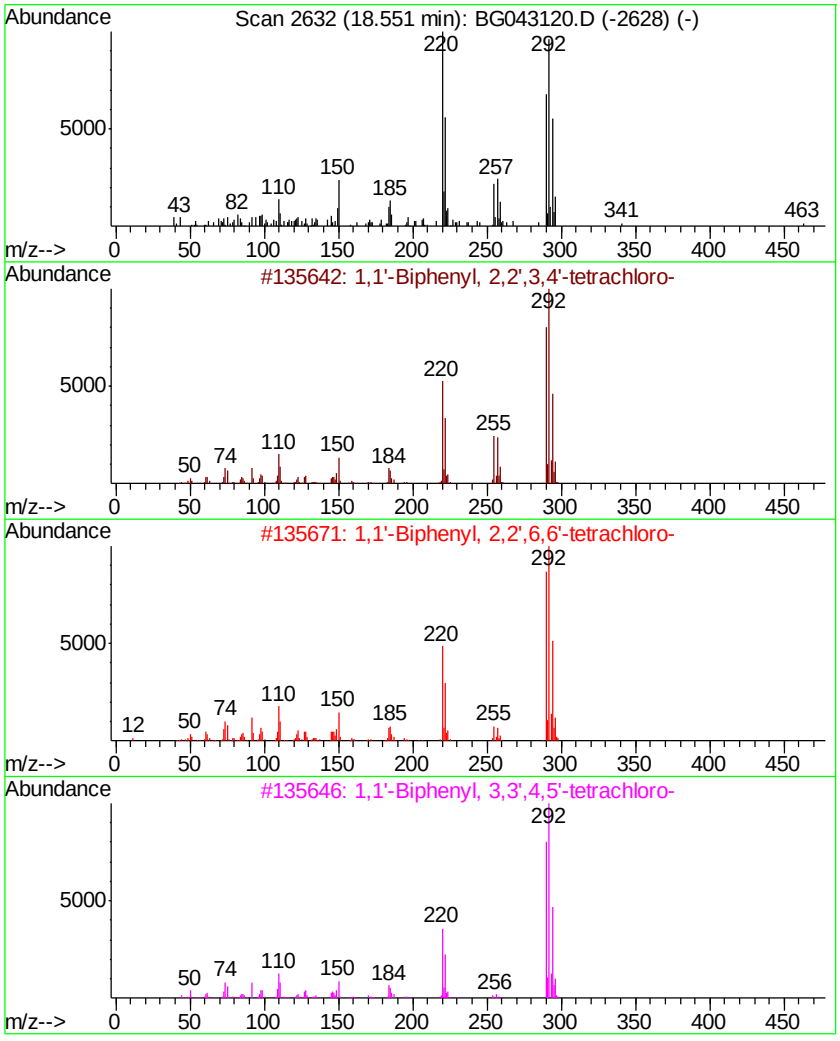
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

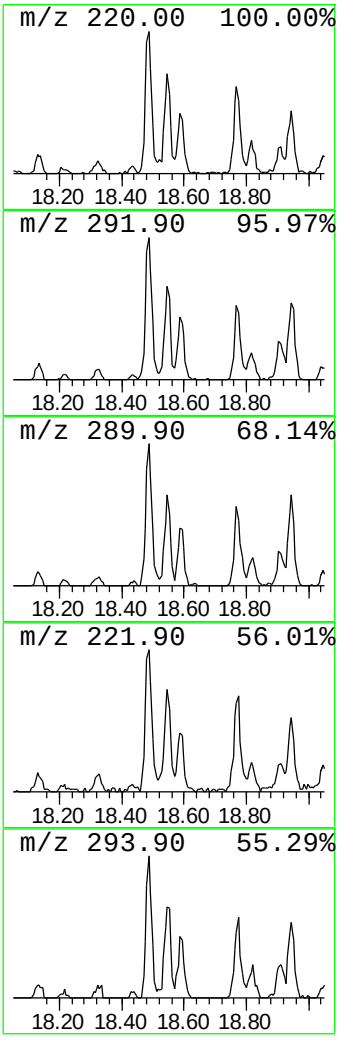
****

Peak Number 7 1,1'-Biphenyl, 2,2',3,4'-te... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	2.98 ng/ul	162286	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	98
2	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	98
3	1,1'-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	97
4	1,1'-Biphenyl, 2,2',3,5'-tetrach...	290	C12H6Cl4	041464-39-5	96
5	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	96





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Sample : K5175-15
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Instrument : BNA_G
ClientSampleId : BEPG2

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Quant Title : SVOA CALIBRATION

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

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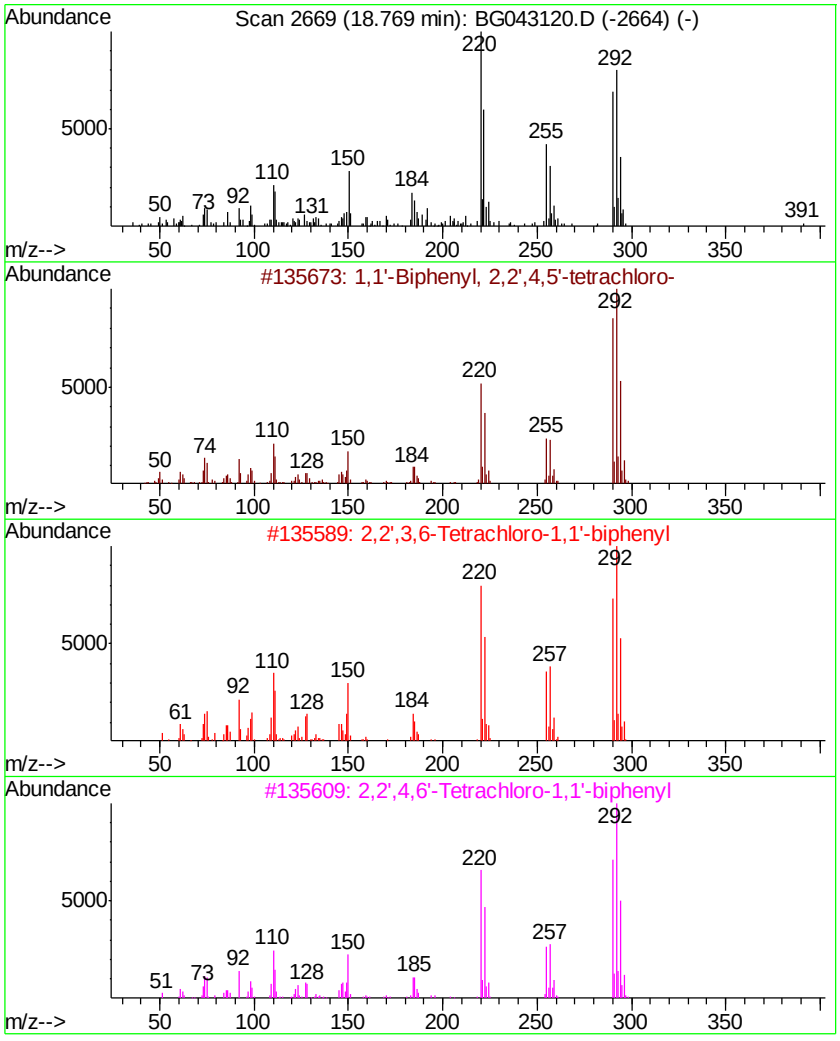
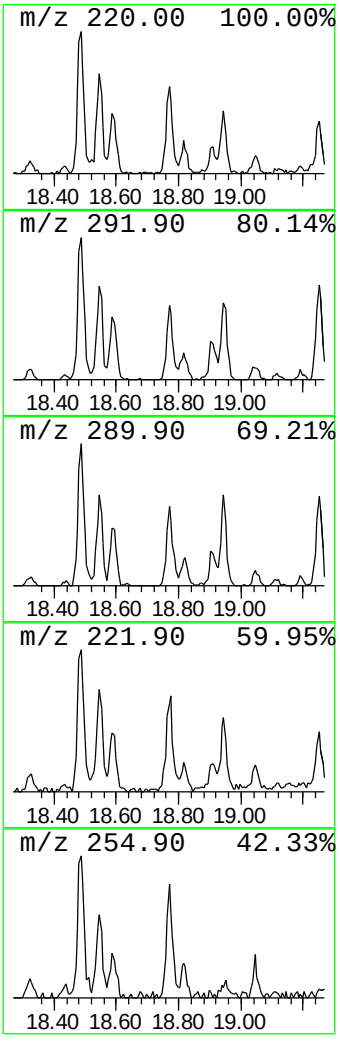
Peak Number 8 1,1'-Biphenyl, 2,2',4,5'-te... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	4.59 ng/ul	249942	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
2	2,2',3,6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-45-7	99
3	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99
4	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
5	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99





Library Search Compound Report

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Data File : BG043120.D
Acq On : 10 Oct 2019 2:41
Operator : JU
Sample : K5175-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Quant Title : SVOA CALIBRATION

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

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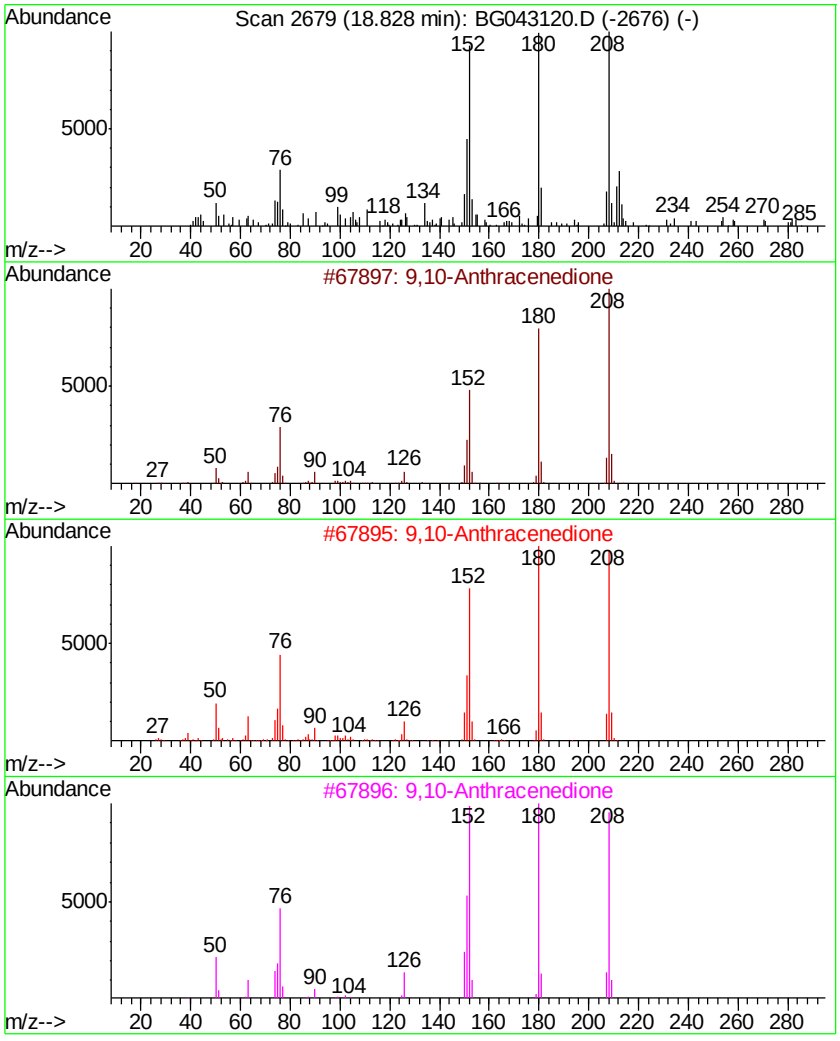
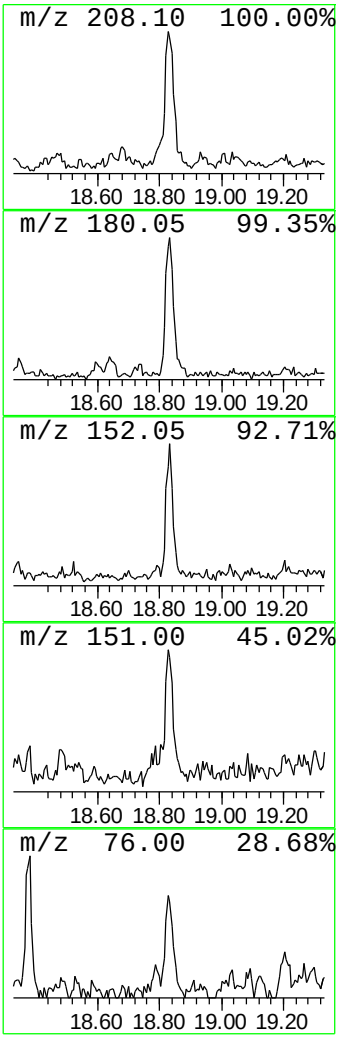
Peak Number 9 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	3.18 ng/ul	172926	Phenanthrene-d10	17.42

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	90
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	58





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Operator : JU
Sample : K5175-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG2

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Quant Title : SVOA CALIBRATION

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

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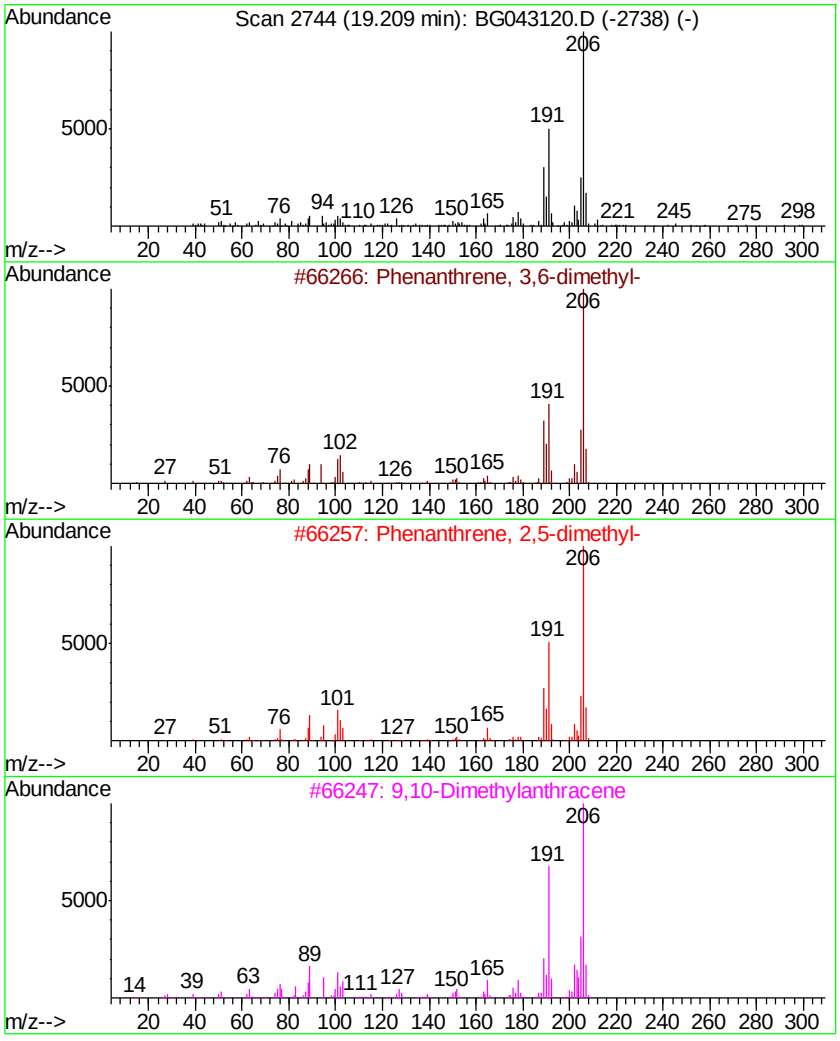
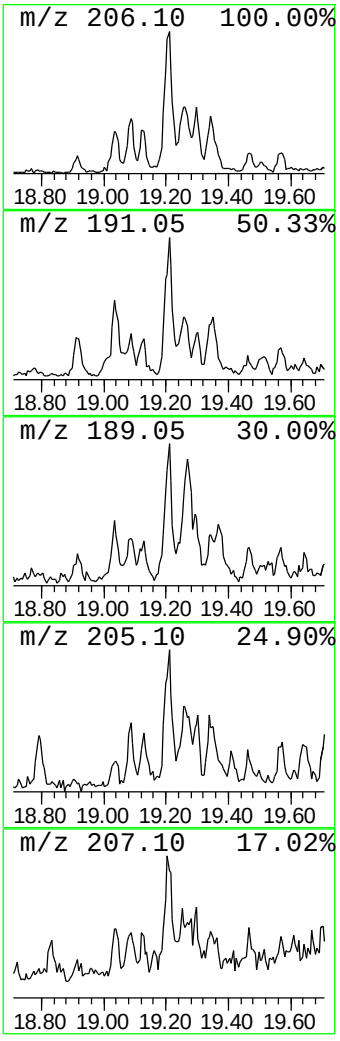
Peak Number 10 Phenanthrene, 3,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.21	4.17 ng/ul	227083	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	86





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Acq On : 10 Oct 2019 2:41
Operator : JU
Sample : K5175-15
Misc :
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Instrument : BNA_G
ClientSampleId : BEPG2

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Quant Title : SVOA CALIBRATION

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

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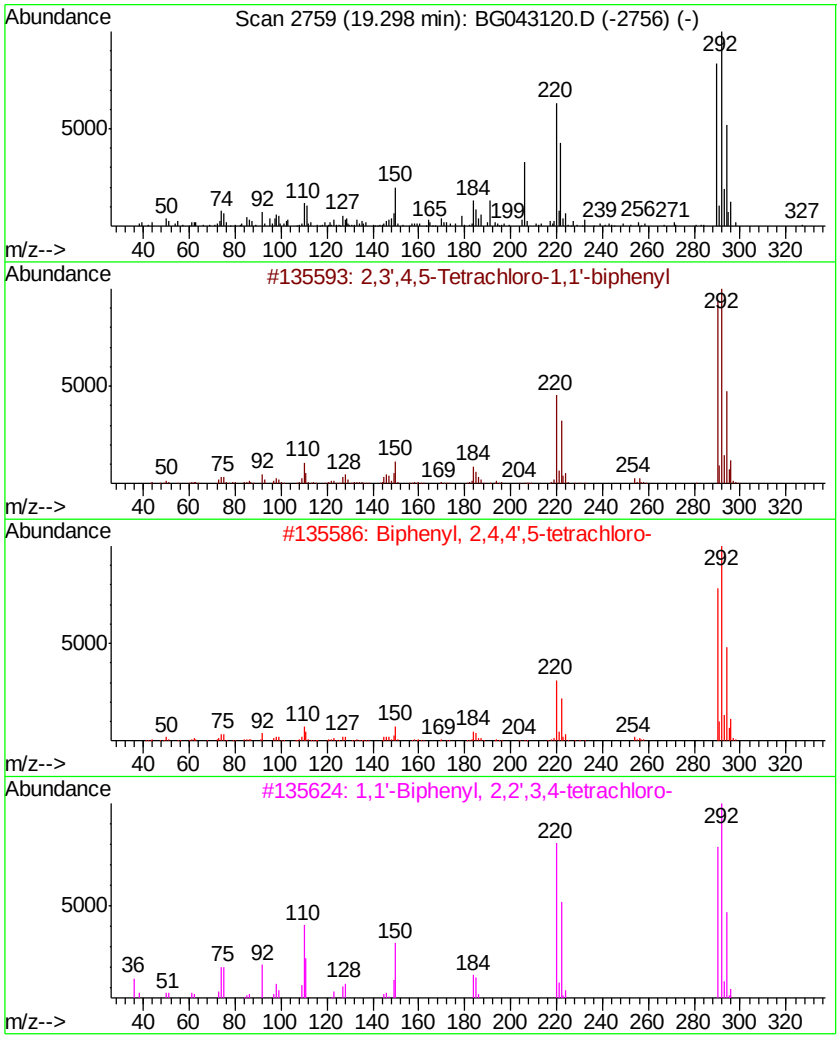
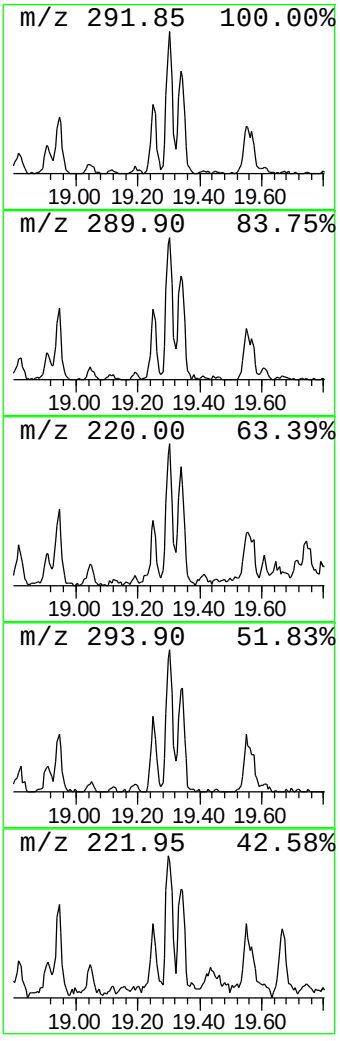
Peak Number 11 2,3',4,5-Tetrachloro-1,1'-b... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.30	3.17 ng/ul	172789	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	073575-53-8	99
2	Biphenyl, 2,4,4',5-tetrachloro-	290	C12H6Cl4	032690-93-0	99
3	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
4	1,1'-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	99
5	3,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-49-1	99





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Acq On : 10 Oct 2019 2:41
Operator : JU
Sample : K5175-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG2

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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 1,1'-Biphenyl, 2,2',3,3',6-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.33	7.16 ng/ul	389781	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',6-penta...	324	C12H5Cl5	052663-60-2	97
2	1,1'-Biphenyl, 2,2',3,4,6-Pentac...	324	C12H5Cl5	055215-17-3	93
3	2,2',3,5,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-55-0	92
4	2,2',3,4',6-Pentachloro-1,1'-bip...	324	C12H5Cl5	068194-05-8	92
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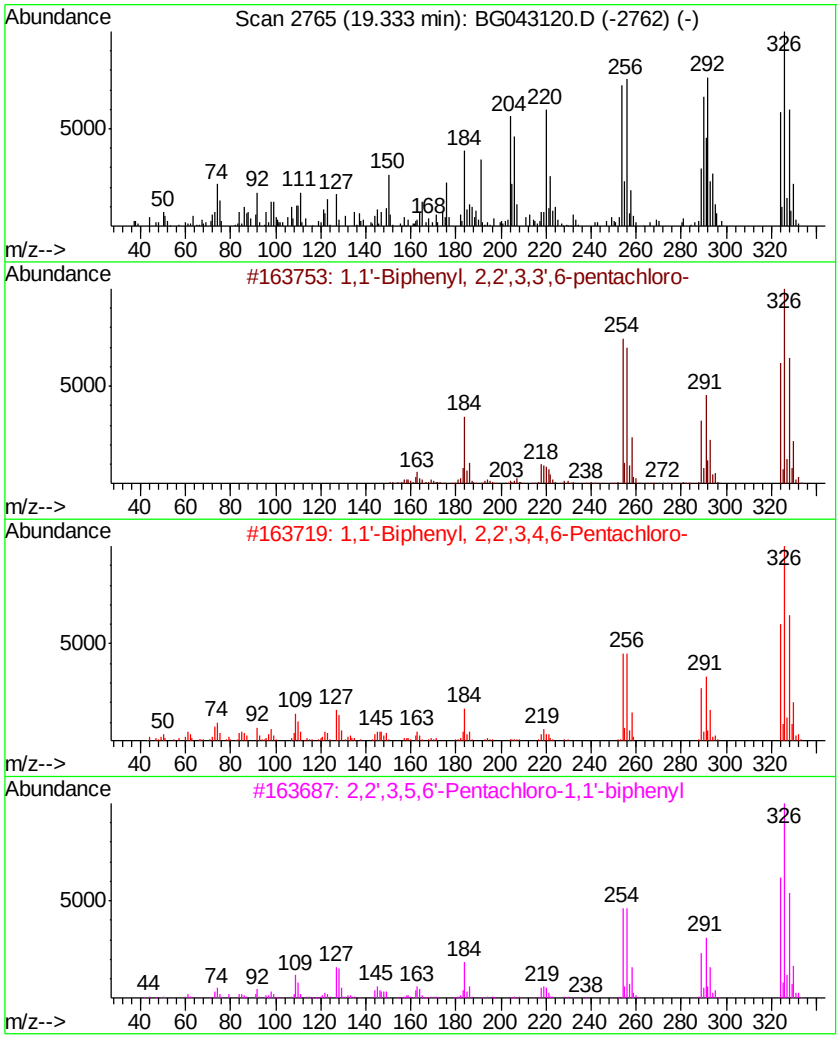

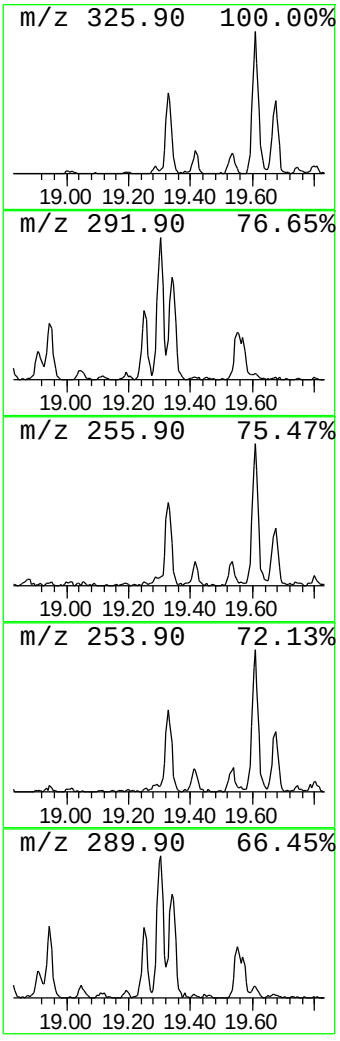

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Operator : JU
Sample : K5175-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG2

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Quant Title : SVOA CALIBRATION

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

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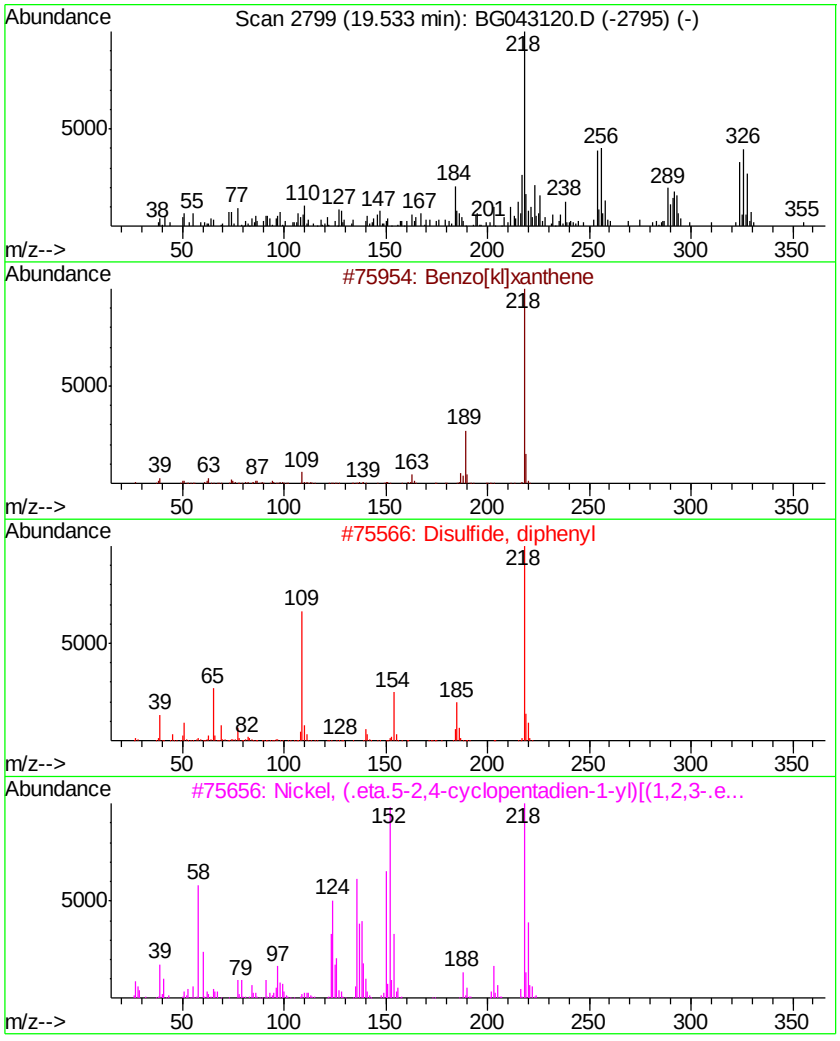
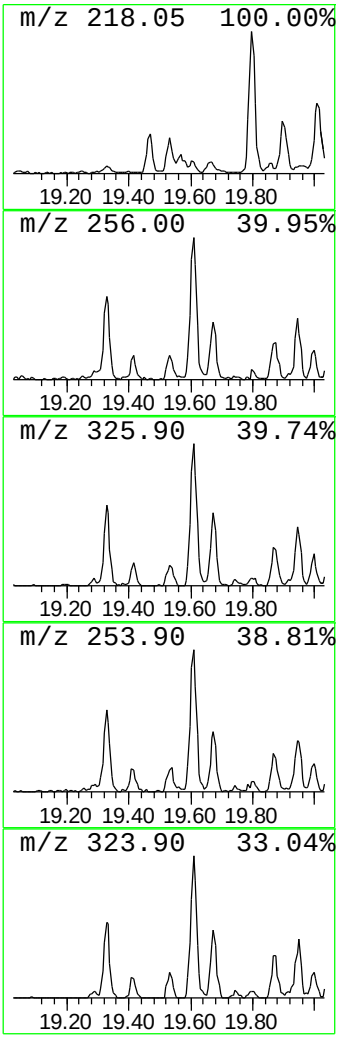
Peak Number 13 Benzo[kl]xanthene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.53	2.36 ng/ul	128694	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[kl]xanthene	218	C16H10O	000200-23-7	11
2	Disulfide, diphenyl	218	C12H10S2	000882-33-7	11
3	Nickel, (.eta.5-2,4-cyclopentadi...	218	C12H16Ni	079704-72-6	11
4	7-Isopropenyl-1,4a-dimethyl-4,4a...	218	C15H22O	000473-08-5	11
5	3-Amino-5-piperonyl-1,2,4-triazole	218	C10H10N4O2	014730-92-8	11





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Operator : JU
Sample : K5175-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG2

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Quant Title : SVOA CALIBRATION

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

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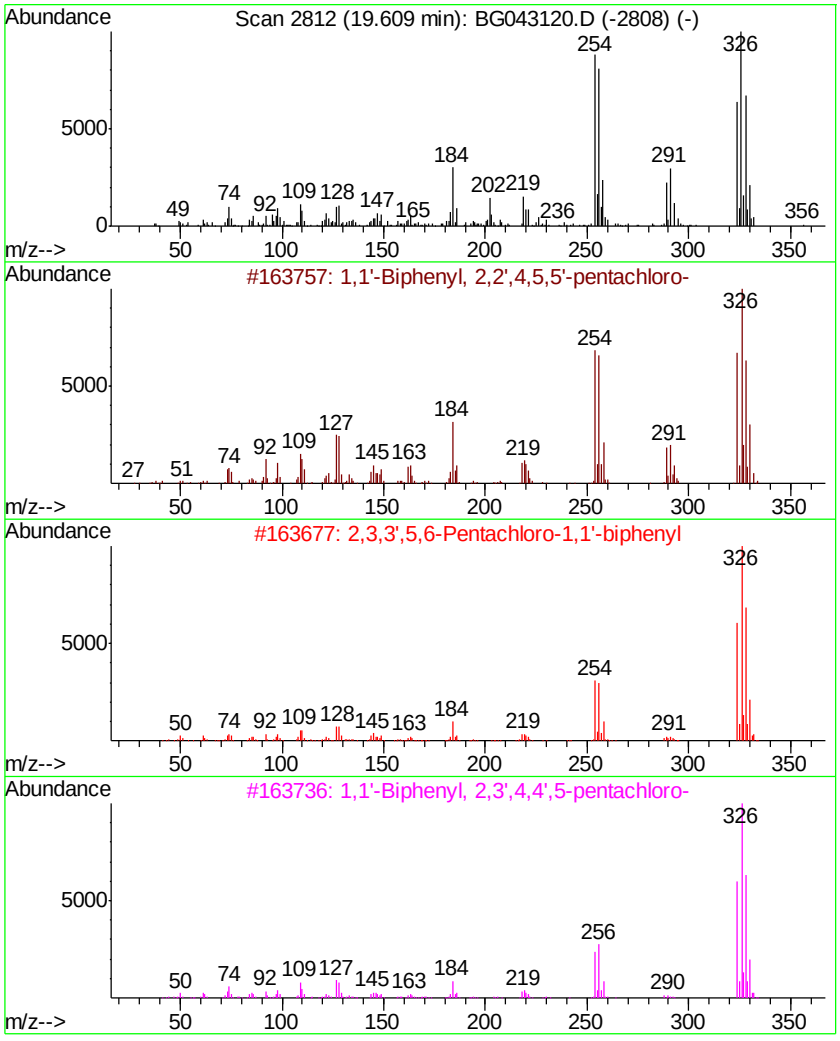
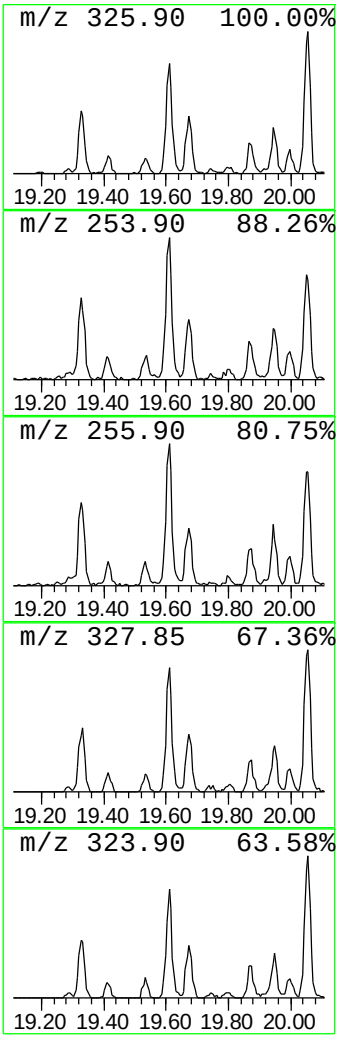
Peak Number 14 1,1'-Biphenyl, 2,2',4,5,5'-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.61	2.57 ng/ul	314832	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	99
2	2,3,3',5,6-Pentachloro-1,1'-biph...	324	C12H5Cl5	074472-36-9	99
3	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99
4	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	99
5	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	98





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Sample : K5175-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Quant Title : SVOA CALIBRATION

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

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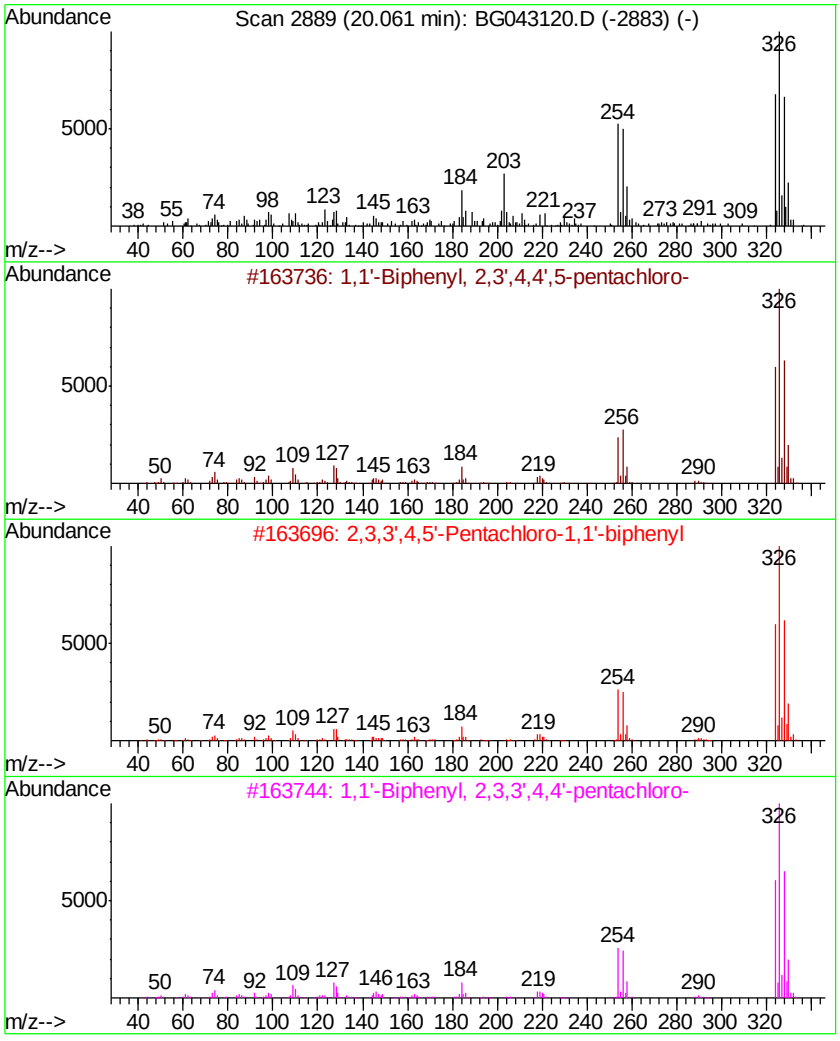
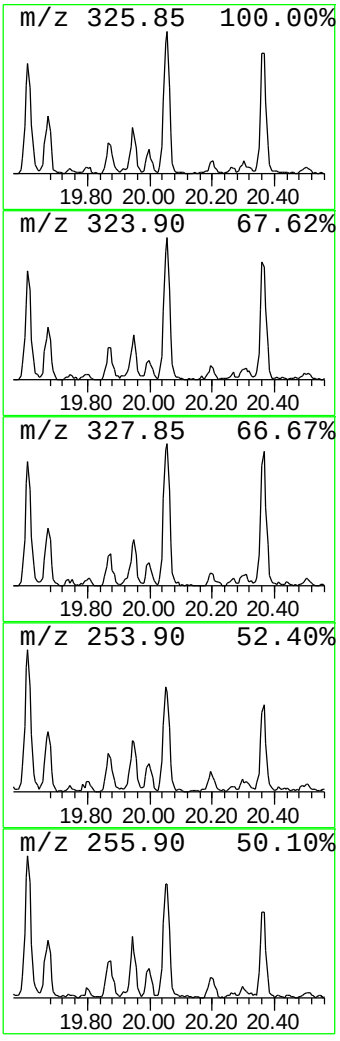
Peak Number 15 1,1'-Biphenyl, 2,3',4,4',5-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	3.13 ng/ul	383128	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99
2	2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	99
3	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
4	1,1'-Biphenyl, 2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	99
5	2,3,3',4',5'- Pentachloro-1,1'-b...	324	C12H5Cl5	076842-07-4	98





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Acq On : 10 Oct 2019 2:41
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Sample : K5175-15
Misc :
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Instrument : BNA_G
ClientSampleId : BEPG2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Quant Title : SVOA CALIBRATION

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

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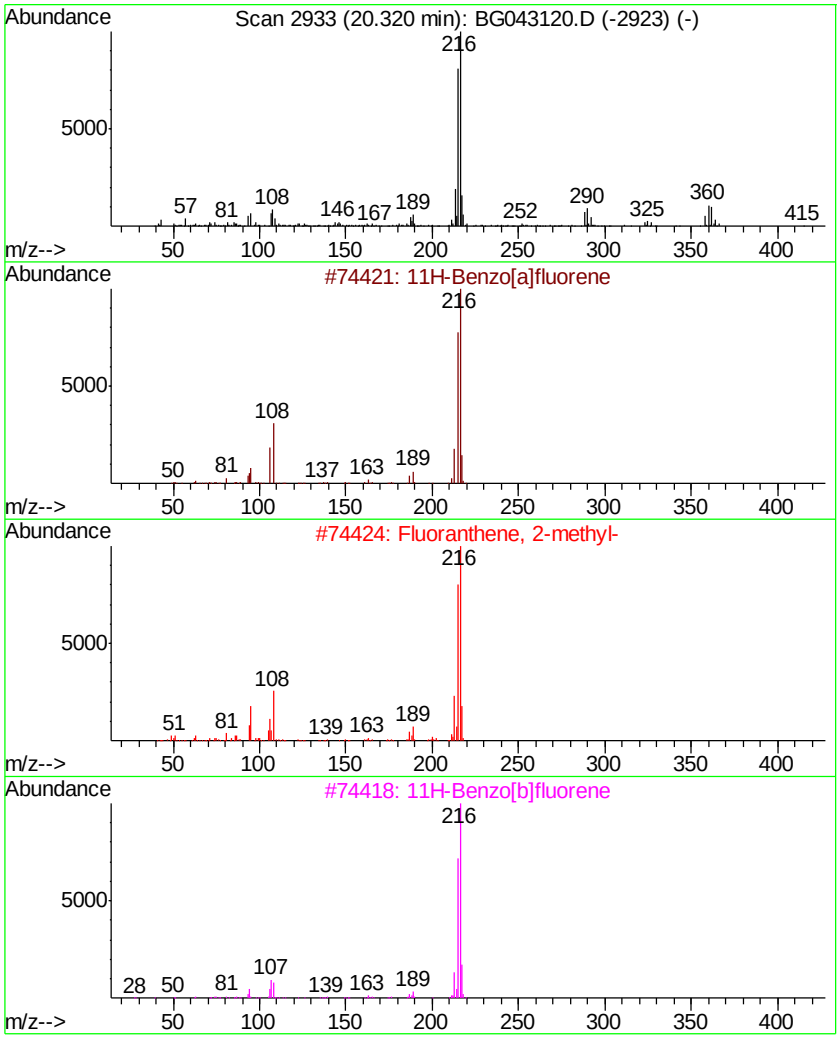
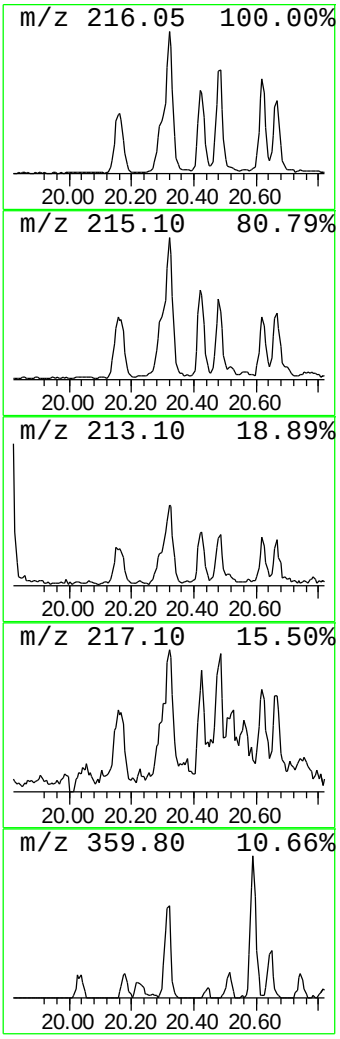
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.32	4.74 ng/ul	579415	Chrysene-d12	21.69

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100919\
Data File : BG043120.D
Acq On : 10 Oct 2019 2:41
Operator : JU
Sample : K5175-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Quant Title : SVOA CALIBRATION

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

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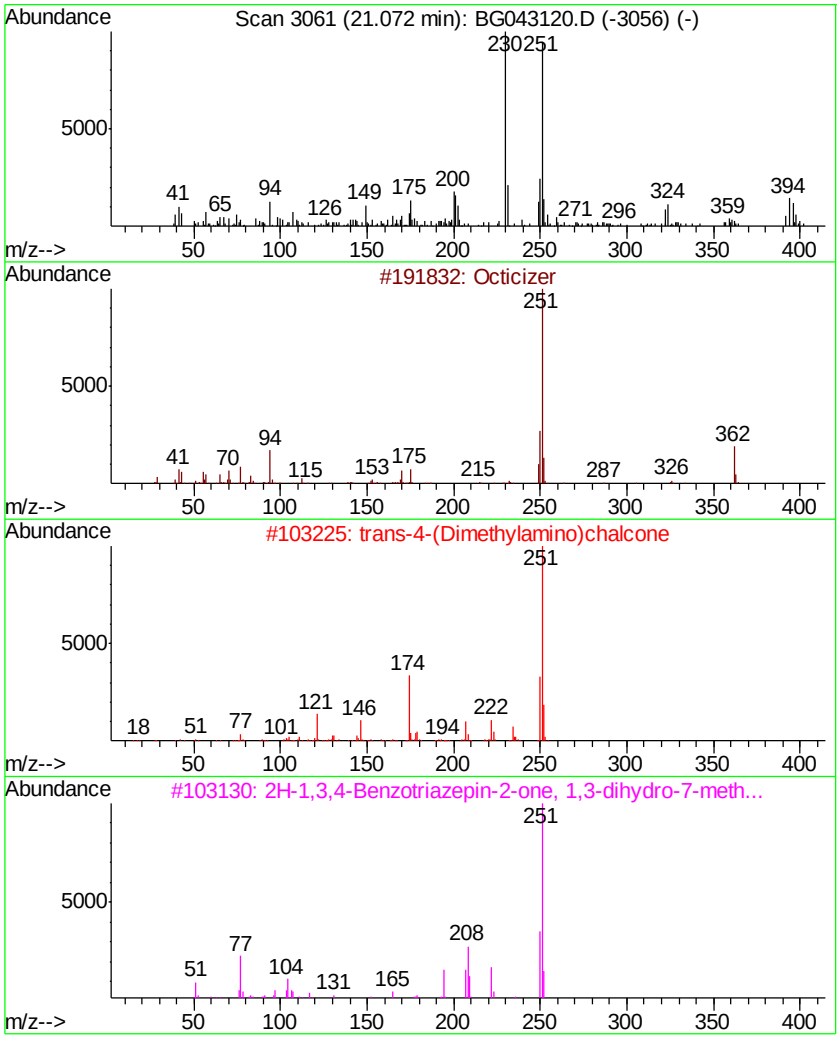
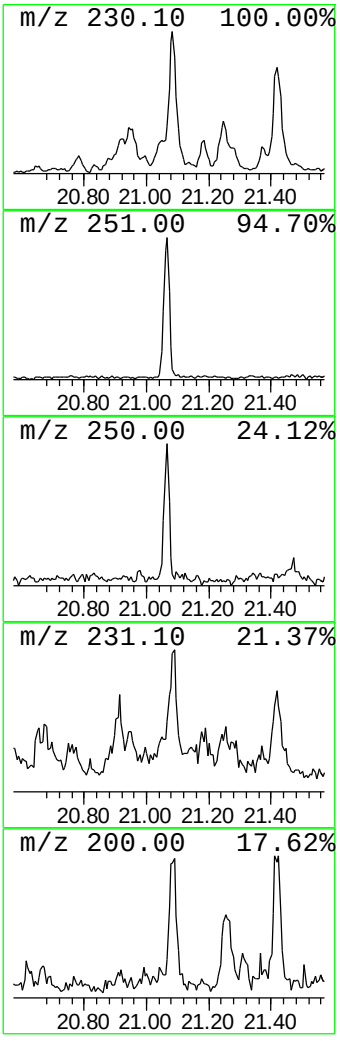
Peak Number 17 Octicizer Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.07	2.94 ng/ul	359609	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octicizer	362	C20H27O4P	001241-94-7	62
2	trans-4-(Dimethylamino)chalcone	251	C17H17NO	022965-98-6	47
3	2H-1,3,4-Benzotriazepin-2-one, 1...	251	C15H13N3O	002855-57-4	47
4	7H-Pyrazolo[4,3-E][1,2,4]triazol...	251	C12H9N7	1000310-01-6	47
5	Phosphoric acid, isodecyl diphen...	390	C22H31O4P	029761-21-5	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100919\
Data File : BG043120.D
Acq On : 10 Oct 2019 2:41
Operator : JU
Sample : K5175-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Quant Title : SVOA CALIBRATION

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

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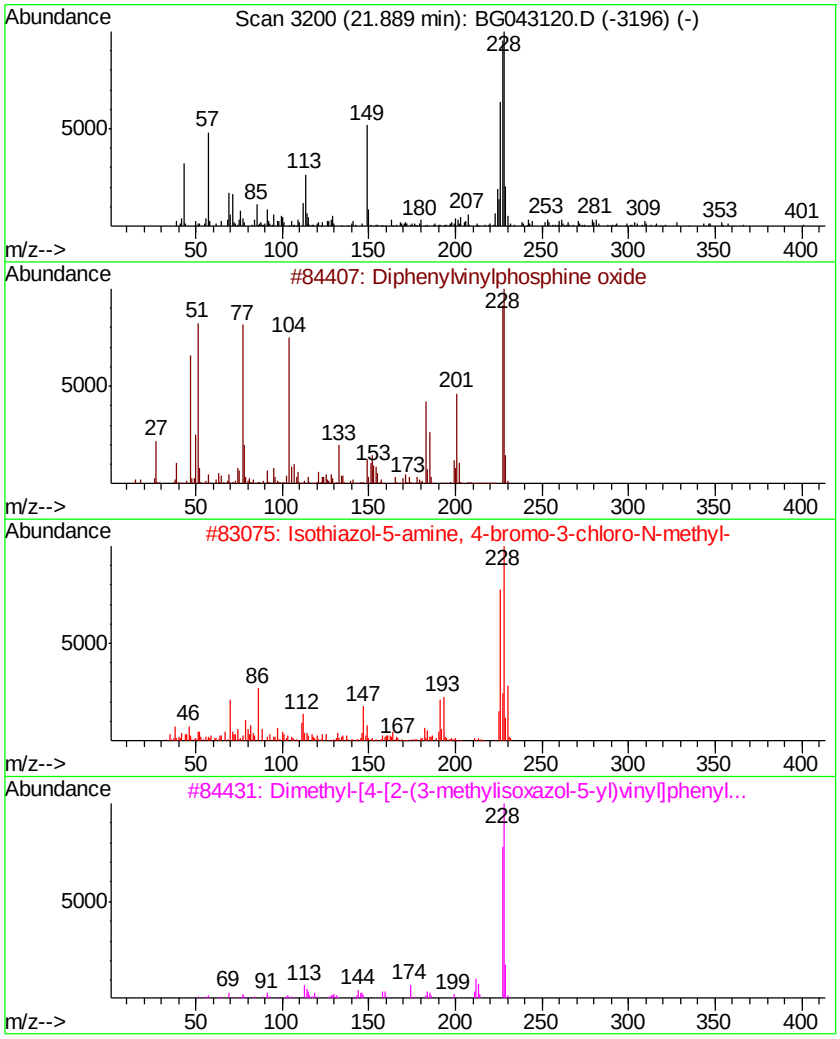
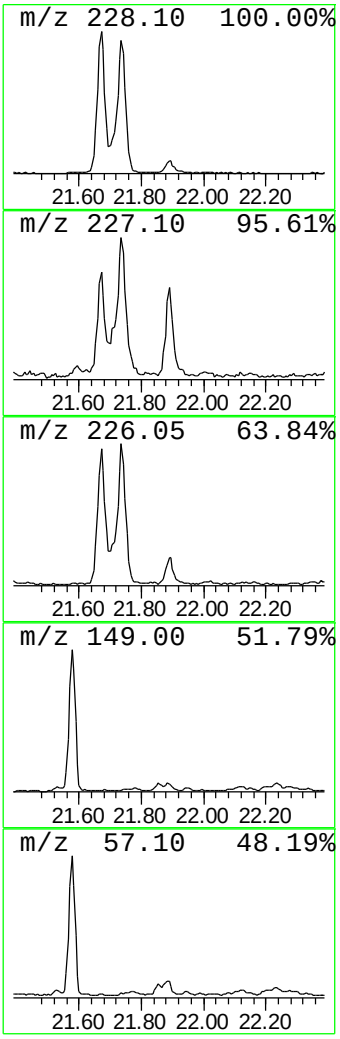
Peak Number 18 unknown-01 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.89	2.87 ng/ul	350729	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	47
2	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	43
3	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	43
4	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	38
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	35





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Data File : BG043120.D
Acq On : 10 Oct 2019 2:41
Operator : JU
Sample : K5175-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Quant Title : SVOA CALIBRATION

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

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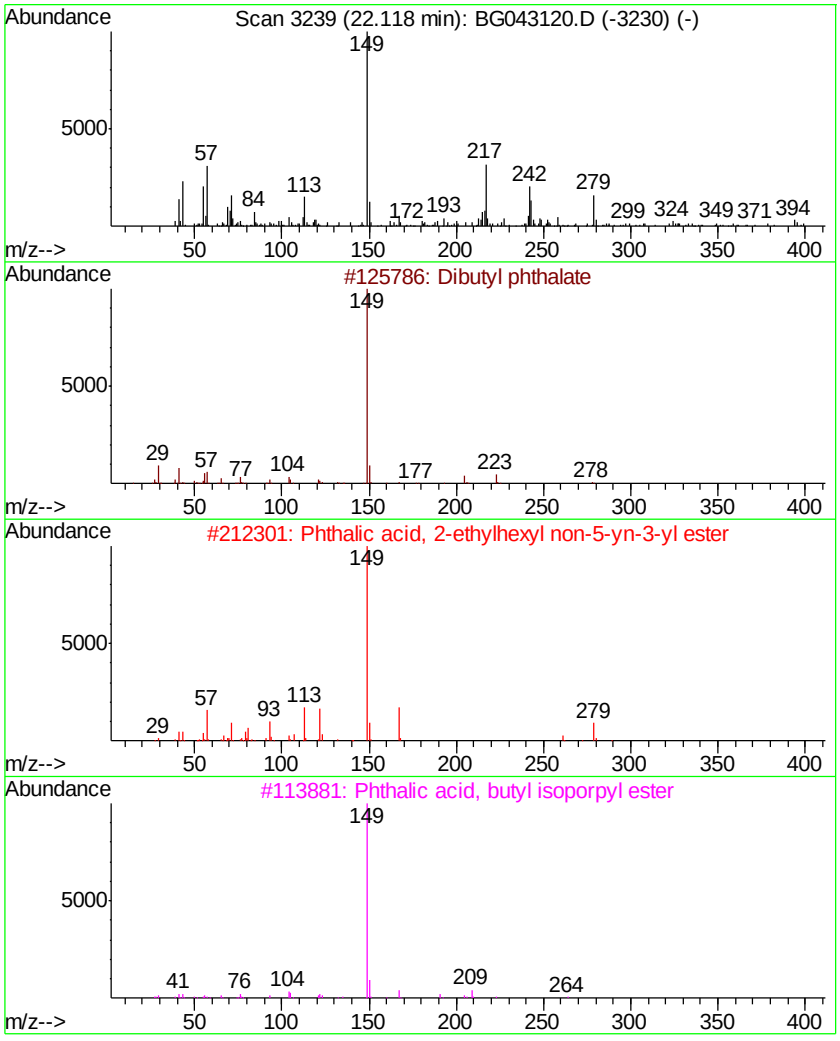
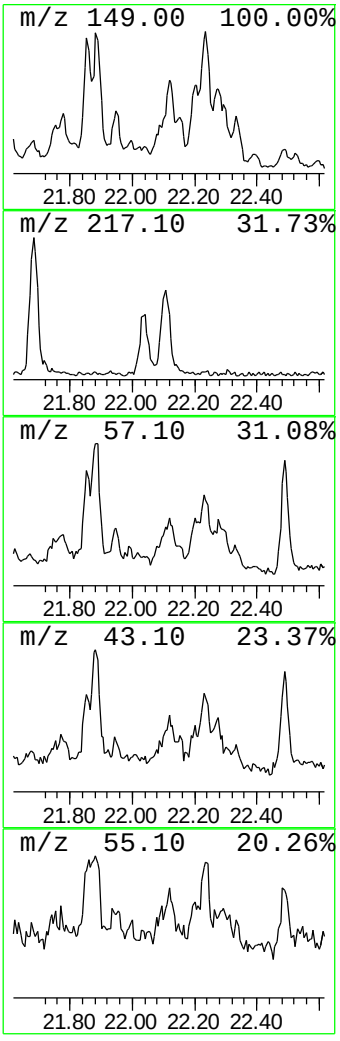
Peak Number 19 unknown-02 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.12	2.43 ng/ul	297220	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibutyl phthalate	278	C16H22O4	000084-74-2	43
2	Phthalic acid, 2-ethylhexyl non-...	400	C25H36O4	1000315-75-4	43
3	Phthalic acid, butyl isopopyl e...	264	C15H20O4	1000314-99-8	43
4	Phthalic acid, hexyl neopentyl e...	320	C19H28O4	1000315-29-9	38
5	Phthalic acid, 4-methylpent-2-yl...	404	C25H40O4	1000356-88-1	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100919\
Data File : BG043120.D
Acq On : 10 Oct 2019 2:41
Operator : JU
Sample : K5175-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Quant Title : SVOA CALIBRATION

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

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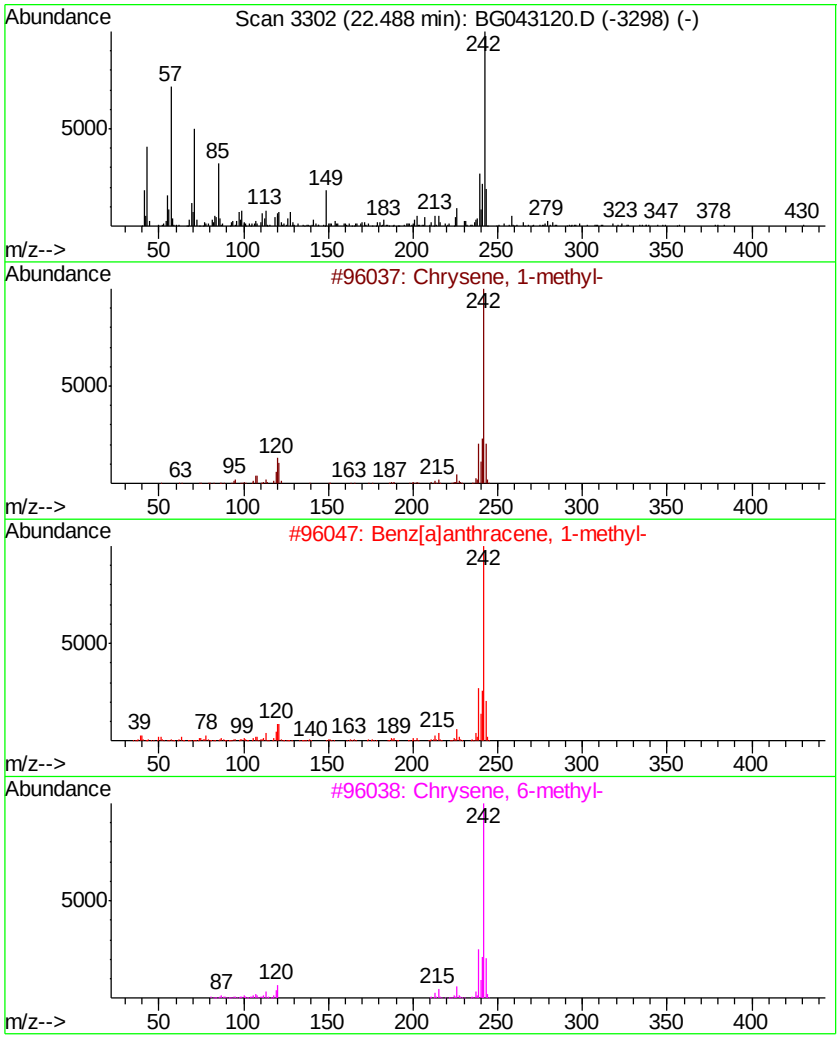
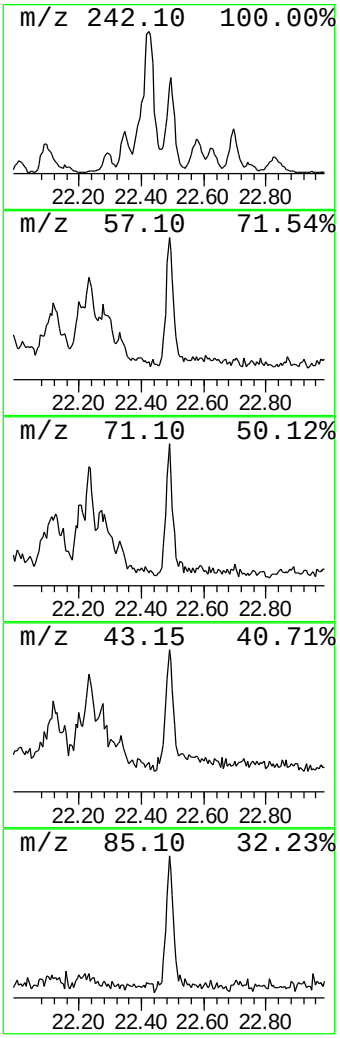
Peak Number 20 Chrysene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.49	2.59 ng/ul	317399	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	76
2	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	60
3	Chrysene, 6-methyl-	242	C19H14	001705-85-7	60
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	58
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	58





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100919\
Data File : BG043120.D
Acq On : 10 Oct 2019 2:41
Operator : JU
Sample : K5175-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Quant Title : SVOA CALIBRATION

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

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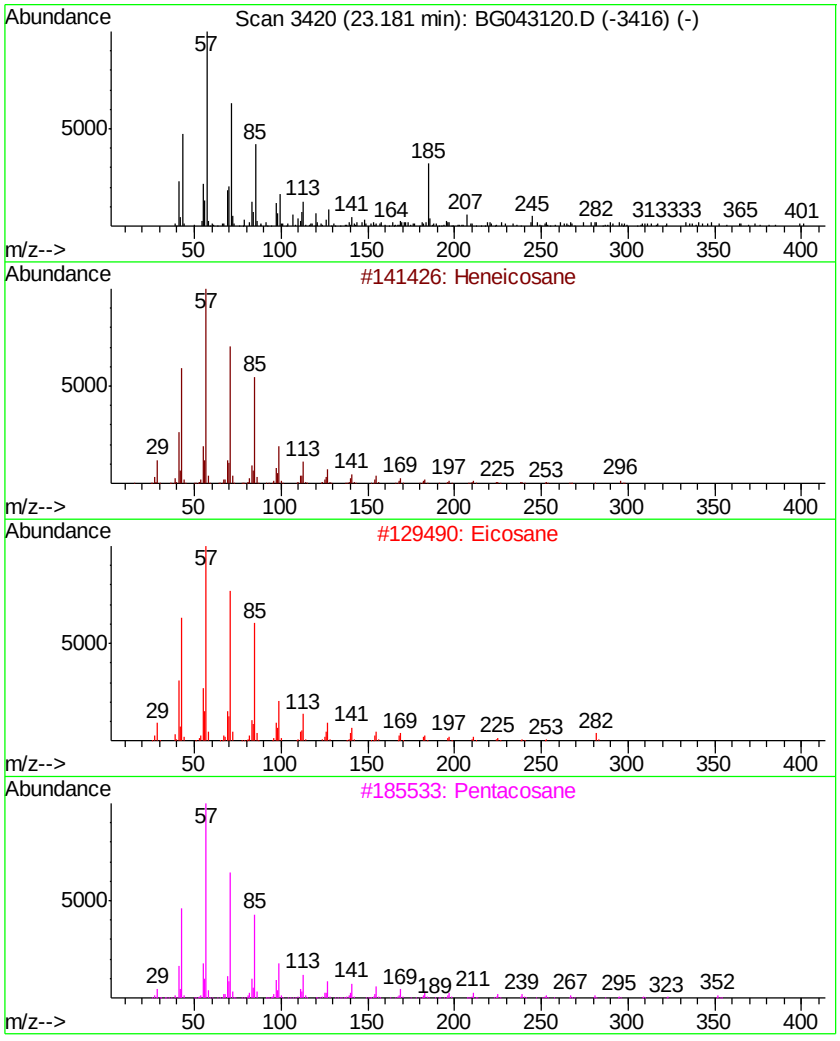
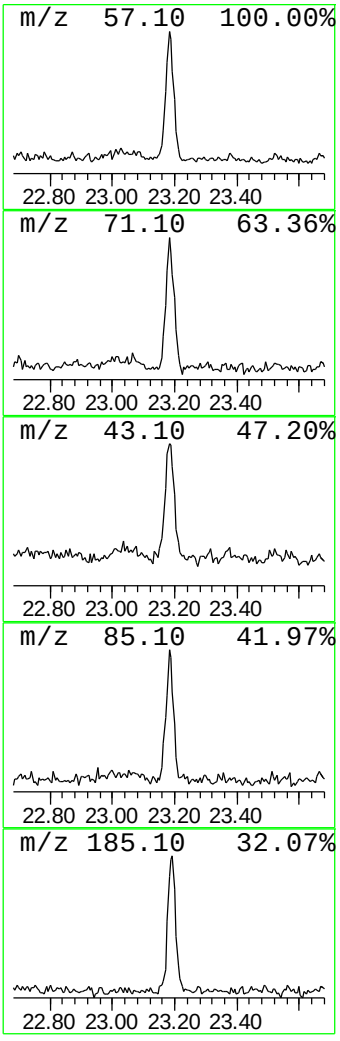
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.18	2.08 ng/ul	254088	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	93
2	Eicosane	282	C20H42	000112-95-8	83
3	Pentacosane	352	C25H52	000629-99-2	83
4	Eicosane	282	C20H42	000112-95-8	83
5	Hexacosane	366	C26H54	000630-01-3	70





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Data File : BG043120.D
Acq On : 10 Oct 2019 2:41
Operator : JU
Sample : K5175-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Quant Title : SVOA CALIBRATION

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

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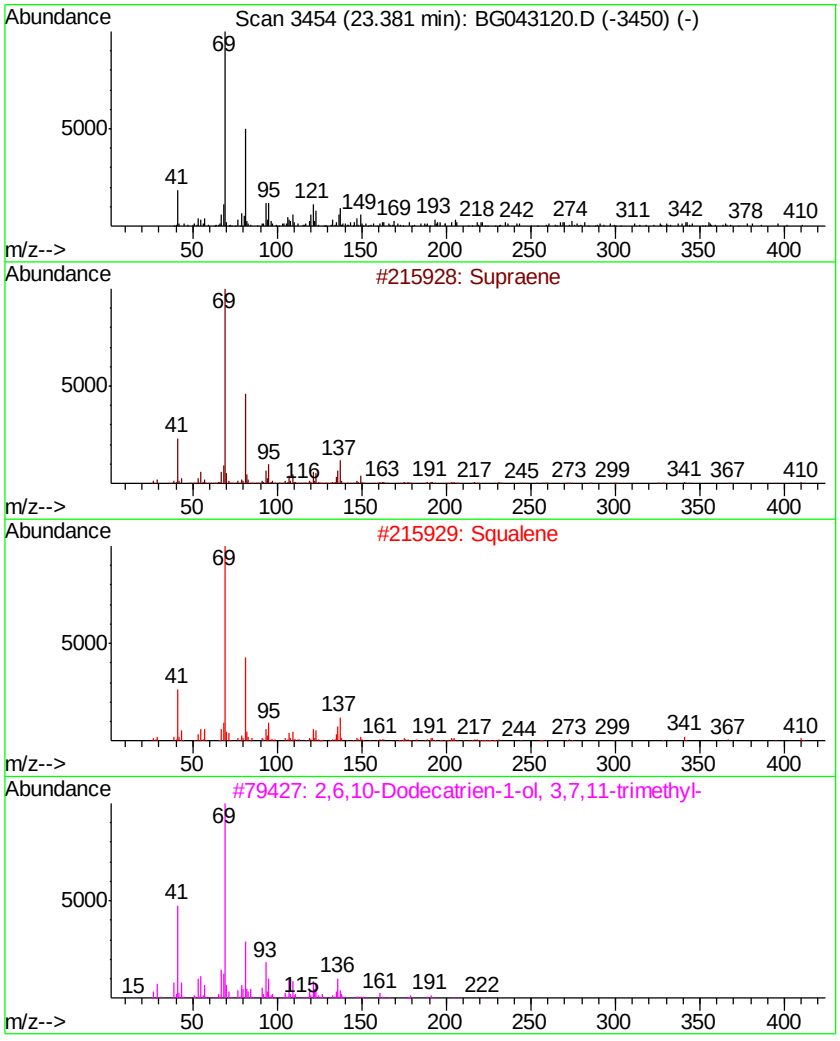
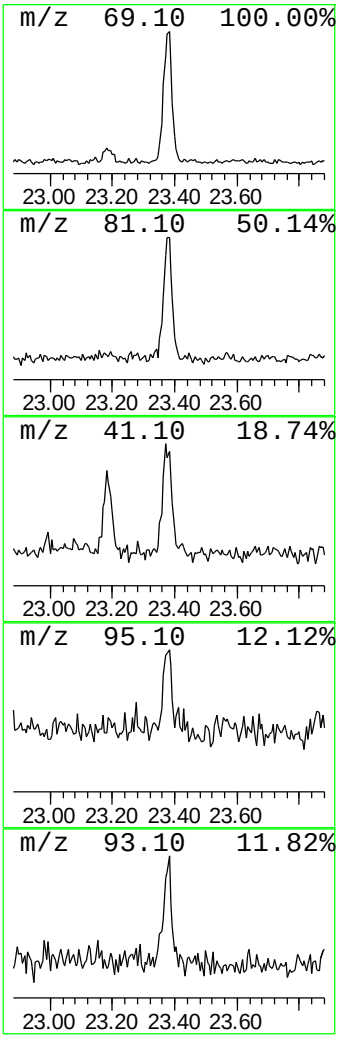
Peak Number 22 Supraene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.38	2.68 ng/ul	227663	Perylene-d12	24.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Supraene	410	C30H50	007683-64-9	86
2	Squalene	410	C30H50	000111-02-4	80
3	2,6,10-Dodecatrien-1-ol, 3,7,11-...	222	C15H26O	004602-84-0	72
4	1,5,9-Undecatriene, 2,6,10-trime...	192	C14H24	062951-96-6	72
5	(Z)-all-trans-3,7,11-Trimethyl-2...	235	C15H25NO	123257-83-0	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100919\
Data File : BG043120.D
Acq On : 10 Oct 2019 2:41
Operator : JU
Sample : K5175-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Quant Title : SVOA CALIBRATION

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

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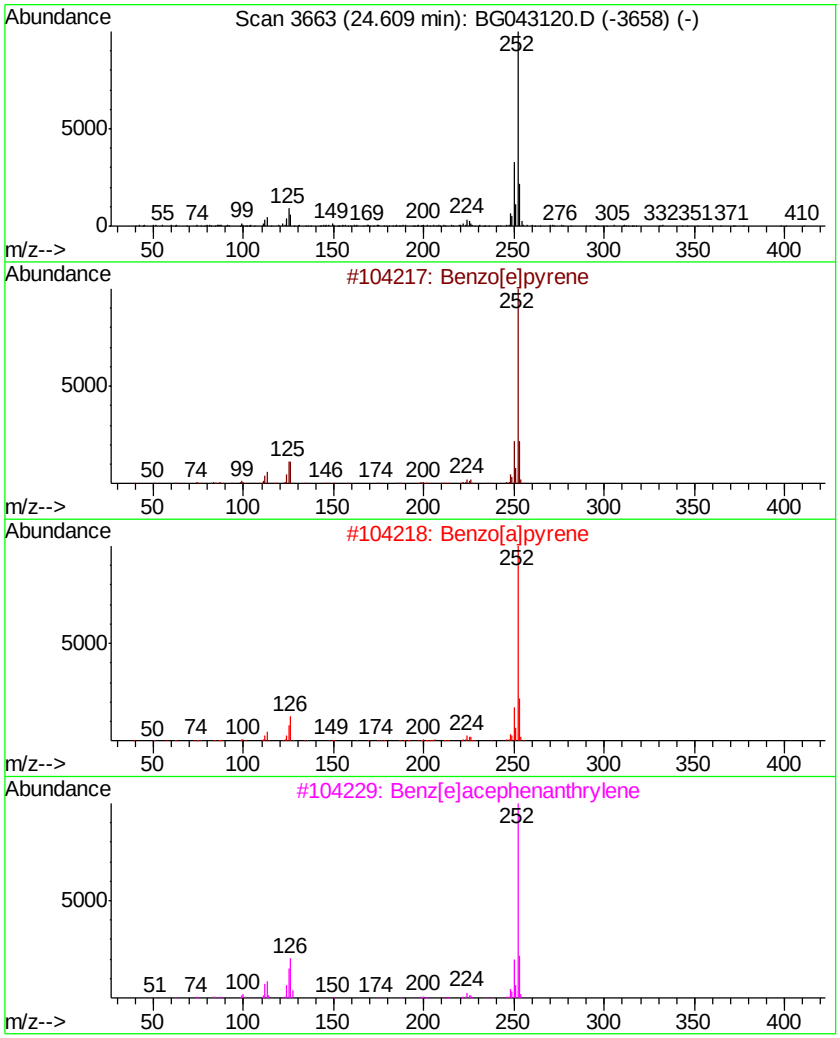
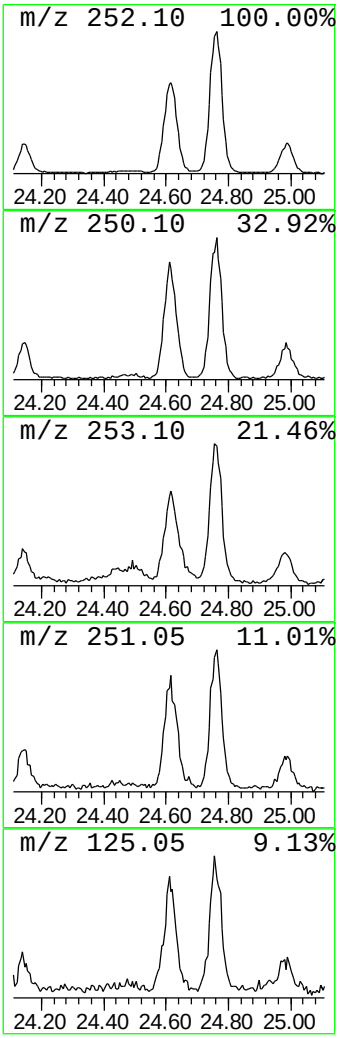
Peak Number 23 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.61	4.57 ng/ul	388389	Perylene-d12	24.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	90
2	Benzo[a]pyrene	252	C20H12	000050-32-8	90
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81
4	Benzo[a]pyrene	252	C20H12	000050-32-8	81
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG100919\
Data File : BG043120.D
Acq On : 10 Oct 2019 2:41
Operator : JU
Sample : K5175-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.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
(DEL) Alkane: Cyc...	3.16	24.7	ng/ul	473633	1	8.06	382893	20.0
Butane, 2-methoxy...	3.23	50.7	ng/ul	970782	1	8.06	382893	20.0
3-Methylbenzyl(1-...	15.54	2.0	ng/ul	88404	3	14.67	867803	20.0
1,1'-Biphenyl, 2,...	18.01	2.4	ng/ul	129391	4	17.42	1088830	20.0
Tridecanoic acid	18.31	6.8	ng/ul	369112	4	17.42	1088830	20.0
1,1'-Biphenyl, 2,...	18.49	8.9	ng/ul	483732	4	17.42	1088830	20.0
1,1'-Biphenyl, 2,...	18.55	3.0	ng/ul	162286	4	17.42	1088830	20.0
1,1'-Biphenyl, 2,...	18.77	4.6	ng/ul	249942	4	17.42	1088830	20.0
9,10-Anthracenedione	18.83	3.2	ng/ul	172926	4	17.42	1088830	20.0
Phenanthrene, 3,6...	19.21	4.2	ng/ul	227083	4	17.42	1088830	20.0
2,3',4,5-Tetrachl...	19.30	3.2	ng/ul	172789	4	17.42	1088830	20.0
1,1'-Biphenyl, 2,...	19.33	7.2	ng/ul	389781	4	17.42	1088830	20.0
Benzo[kl]xanthene	19.53	2.4	ng/ul	128694	4	17.42	1088830	20.0
1,1'-Biphenyl, 2,...	19.61	2.6	ng/ul	314832	5	21.69	2446260	20.0
1,1'-Biphenyl, 2,...	20.06	3.1	ng/ul	383128	5	21.69	2446260	20.0
11H-Benzo[a]fluorene	20.32	4.7	ng/ul	579415	5	21.69	2446260	20.0
Octicizer	21.07	2.9	ng/ul	359609	5	21.69	2446260	20.0
unknown-01	21.89	2.9	ng/ul	350729	5	21.69	2446260	20.0
unknown-02	22.12	2.4	ng/ul	297220	5	21.69	2446260	20.0
Chrysene, 1-methyl-	22.49	2.6	ng/ul	317399	5	21.69	2446260	20.0
(DEL) Alkane: Str...	23.18	2.1	ng/ul	254088	5	21.69	2446260	20.0
Supraene	23.38	2.7	ng/ul	227663	6	24.91	1699530	20.0
Benzo[e]pyrene	24.61	4.6	ng/ul	388389	6	24.91	1699530	20.0