LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\
Data File : BG028478.D
Acq On : 25 Aug 2017 3:22
Operator : SJ/JU
Sample : I4840-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.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	7.492	654	664	677	rBV2	206872	442522	10.55%	0.816%
2	7.651	684	691	699	rBV	143189	244540	5.83%	0.451%
3	7.874	717	729	739	rBV	206889	364475	8.69%	0.672%
4	8.338	800	808	818	rVB	152440	276242	6.58%	0.509%
5	9.037	917	927	940	rBV	265876	482541	11.50%	0.890%
6	9.507	999	1007	1019	rBV	208182	393653	9.38%	0.726%
7	10.236	1120	1131	1139	rVB	180764	336698	8.02%	0.621%
8	10.776	1213	1223	1237	rBV	270255	524991	12.51%	0.968%
9	11.158	1281	1288	1294	rBV	230770	442325	10.54%	0.815%
10	11.211	1294	1297	1304	rVV	68497	109121	2.60%	0.201%
11	11.293	1304	1311	1328	rVB	100886	213838	5.10%	0.394%
12	12.792	1560	1566	1578	rVB	62857	106955	2.55%	0.197%
13	13.009	1596	1603	1613	rBV2	37196	72290	1.72%	0.133%
14	14.266	1808	1817	1822	rBV4	36771	69275	1.65%	0.128%
15	14.337	1822	1829	1834	rVV	534319	827391	19.72%	1.525%
16	14.384	1834	1837	1847	rVB	199189	270549	6.45%	0.499%
17	14.648	1873	1882	1895	rBV	536004	887556	21.15%	1.636%
18	14.948	1917	1933	1939	rBV2	372173	668709	15.94%	1.233%
19	15.012	1939	1944	1951	rVB	266829	435516	10.38%	0.803%
20	15.153	1961	1968	1977	rBV2	180630	368350	8.78%	0.679%
21	15.253	1978	1985	1990	rVV4	29759	69671	1.66%	0.128%
22	15.347	1994	2001	2008	rVV	232283	404257	9.63%	0.745%
23	15.741	2058	2068	2076	rBV	18002	65887	1.57%	0.121%
24	15.941	2091	2102	2107	rBV	691827	1137664	27.11%	2.097%
25	15.994	2107	2111	2118	rVV2	399193	633844	15.10%	1.169%
26	16.064	2118	2123	2129	rVV	209995	355883	8.48%	0.656%
27	16.117	2129	2132	2135	rVV2	36379	68742	1.64%	0.127%
28	16.152	2135	2138	2144	rVV3	71852	122357	2.92%	0.226%
29	16.282	2156	2160	2169	rVB	78916	134096	3.20%	0.247%
30	16.434	2180	2186	2193	rVV	94029	199094	4.74%	0.367%
31	16.628	2211	2219	2230	rBV8	33285	91645	2.18%	0.169%
32	16.993	2270	2281	2287	rBV3	83891	230374	5.49%	0.425%
33	17.145	2300	2307	2311	rVB4	31850	61865	1.47%	0.114%
34	17.222	2311	2320	2322	rBV3	34131	81110	1.93%	0.150%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\
Data File : BG028478.D
Acq On : 25 Aug 2017 3:22
Operator : SJ/JU
Sample : I4840-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

35	17.263	2323	2327	2336	rVV2	41360	79440	1.89%	0.146%
36	17.351	2336	2342	2348	rVV3	36923	66419	1.58%	0.122%
37	17.445	2348	2358	2365	rVV4	99418	250284	5.96%	0.461%
38	17.515	2365	2370	2379	rVB	142187	243522	5.80%	0.449%
39	17.703	2394	2402	2405	rBV	471514	841471	20.05%	1.551%
40	17.750	2405	2410	2414	rVV	2594319	4196323	100.00%	7.736%
41	17.803	2414	2419	2422	rVV	780184	1313661	31.31%	2.422%
42	17.839	2422	2425	2430	rVV	652094	915256	21.81%	1.687%
43	17.891	2430	2434	2440	rVB2	67125	112924	2.69%	0.208%
44	18.103	2460	2470	2482	rBV2	332071	650344	15.50%	1.199%
45	18.209	2483	2488	2494	rBV5	35941	62843	1.50%	0.116%
46	18.573	2541	2550	2554	rVV	311662	651709	15.53%	1.201%
47	18.620	2554	2558	2564	rVB	437214	656898	15.65%	1.211%
48	18.696	2565	2571	2577	rVV	150911	241230	5.75%	0.445%
49	18.773	2577	2584	2596	rBV3	412236	1012112	24.12%	1.866%
50	18.908	2603	2607	2611	rBV3	47100	70278	1.67%	0.130%
51	19.055	2628	2632	2637	rVV	208046	295874	7.05%	0.545%
52	19.114	2637	2642	2648	rVB2	73233	118816	2.83%	0.219%
53	19.296	2666	2673	2679	rBV4	73947	146399	3.49%	0.270%
54	19.349	2679	2682	2686	rVV2	55130	81508	1.94%	0.150%
55	19.390	2686	2689	2695	rVB2	50281	71051	1.69%	0.131%
56	19.466	2697	2702	2709	rBV	120563	248305	5.92%	0.458%
57	19.542	2710	2715	2723	rVV6	66931	199615	4.76%	0.368%
58	19.613	2723	2727	2736	rVV6	50918	136505	3.25%	0.252%
59	19.742	2741	2749	2755	rBV	2502215	3811323	90.83%	7.026%
60	19.801	2755	2759	2762	rBV5	56316	92068	2.19%	0.170%
61	19.989	2785	2791	2797	rVB2	79099	180167	4.29%	0.332%
62	20.077	2799	2806	2808	rBV2	1326416	2325809	55.42%	4.288%
63	20.107	2808	2811	2817	rVV	1958611	2867302	68.33%	5.286%
64	20.165	2817	2821	2827	rVB	164947	231133	5.51%	0.426%
65	20.271	2834	2839	2844	rVB	165659	232680	5.54%	0.429%
66	20.342	2846	2851	2857	rVB	106993	184690	4.40%	0.340%
67	20.418	2857	2864	2871	rBV2	187060	491178	11.70%	0.906%
68	20.494	2871	2877	2881	rBV2	69364	162044	3.86%	0.299%
69	20.588	2881	2893	2904	rBV	555544	1133464	27.01%	2.090%
70	20.688	2904	2910	2914	rBV	554228	881356	21.00%	1.625%
71	20.747	2914	2920	2924	rVB2	146469	291537	6.95%	0.537%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\
Data File : BG028478.D
Acq On : 25 Aug 2017 3:22
Operator : SJ/JU
Sample : I4840-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

72	20.894	2941	2945	2948	rBV	98419	120920	2.88%	0.223%
73	20.941	2949	2953	2963	rVV2	126598	247062	5.89%	0.455%
74	21.023	2963	2967	2978	rVB2	124178	237025	5.65%	0.437%
75	21.129	2981	2985	2988	rBV	62373	87518	2.09%	0.161%
76	21.199	2994	2997	3000	rBV5	67693	91635	2.18%	0.169%
77	21.334	3015	3020	3025	rBV2	79456	191066	4.55%	0.352%
78	21.381	3025	3028	3036	rVB2	122805	209590	4.99%	0.386%
79	21.581	3057	3062	3066	rBV	179335	363415	8.66%	0.670%
80	21.622	3066	3069	3074	rVB	194427	328778	7.83%	0.606%
81	21.681	3075	3079	3084	rBV2	174283	308142	7.34%	0.568%
82	22.016	3125	3136	3144	rBV3	1335218	3688017	87.89%	6.799%
83	22.087	3144	3148	3159	rVB	997960	1830776	43.63%	3.375%
84	22.245	3171	3175	3185	rVB2	158018	308827	7.36%	0.569%
85	22.398	3198	3201	3206	rVB	101774	156855	3.74%	0.289%
86	22.474	3208	3214	3221	rVB2	160453	359853	8.58%	0.663%
87	22.815	3264	3272	3278	rBV	172234	378965	9.03%	0.699%
88	22.897	3282	3286	3294	rVB	122768	246081	5.86%	0.454%
89	23.056	3309	3313	3319	rVB2	62540	109989	2.62%	0.203%
90	23.121	3319	3324	3328	rBV3	62748	133592	3.18%	0.246%
91	23.173	3329	3333	3341	rVB	122220	237005	5.65%	0.437%
92	23.262	3343	3348	3356	rVB4	73033	183306	4.37%	0.338%
93	24.425	3536	3546	3555	rBV2	575901	2269549	54.08%	4.184%
94	24.701	3587	3593	3605	rVB	113933	294506	7.02%	0.543%
95	25.218	3672	3681	3688	rBV2	282065	887632	21.15%	1.636%
96	25.312	3689	3697	3702	rVV3	321348	866779	20.66%	1.598%
97	25.383	3703	3709	3719	rVB	488728	1419261	33.82%	2.616%
98	25.547	3728	3737	3745	rBV2	282686	858641	20.46%	1.583%
99	29.578	4415	4423	4446	rVB4	151238	844146	20.12%	1.556%
100	30.841	4631	4638	4650	rVB4	60929	243091	5.79%	0.448%

Sum of corrected areas: 54243586

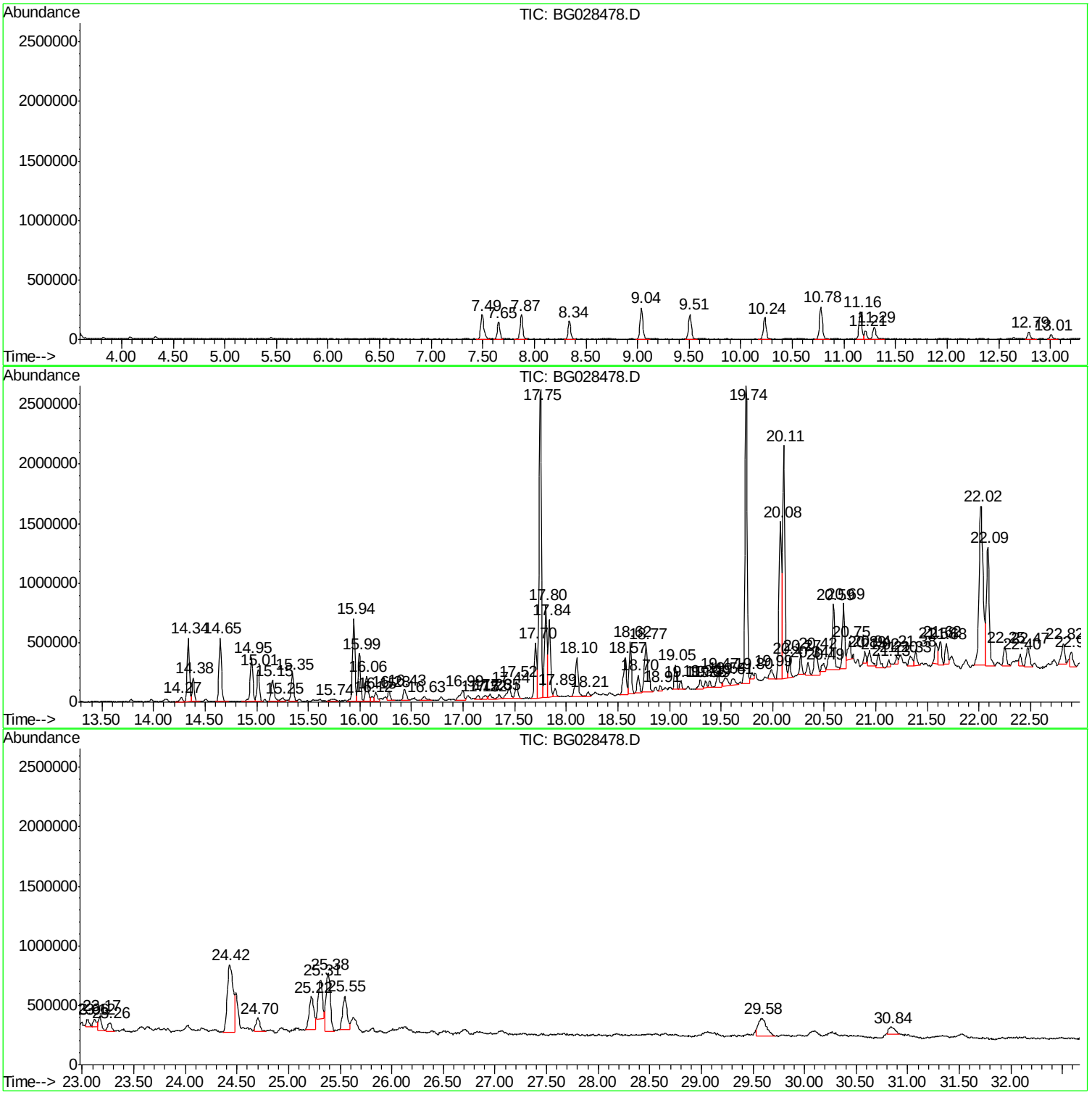
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\
Data File : BG028478.D
Acq On : 25 Aug 2017 3:22
Operator : SJ/JU
Sample : I4840-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\
Data File : BG028478.D
Acq On : 25 Aug 2017 3:22
Operator : SJ/JU
Sample : I4840-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

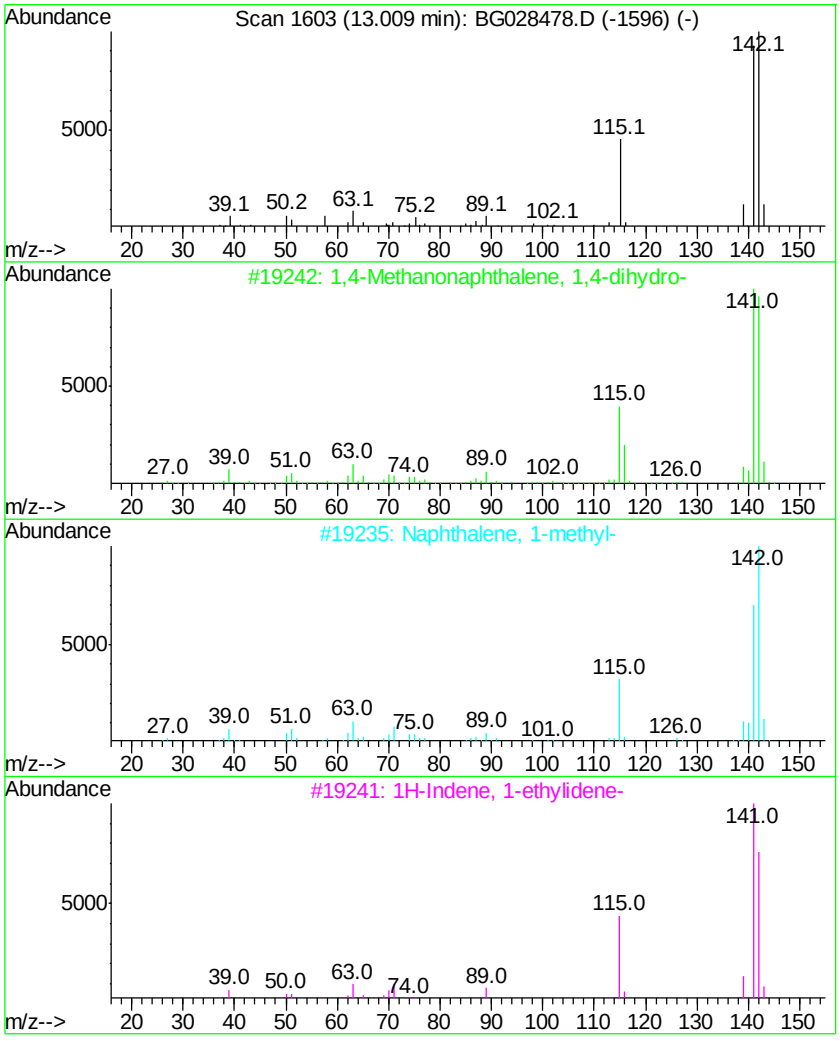
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

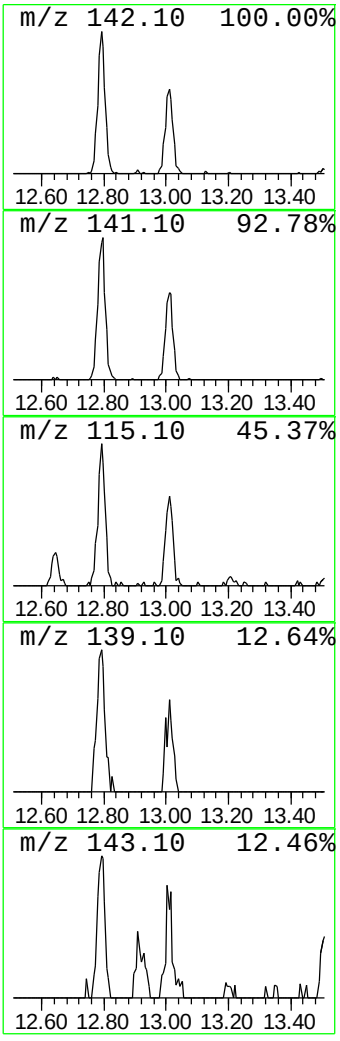
****

Peak Number 1 1,4-Methanonaphthalene, 1,4... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	3.27 ng/ul	72290	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
3	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	90
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\
Data File : BG028478.D
Acq On : 25 Aug 2017 3:22
Operator : SJ/JU
Sample : I4840-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

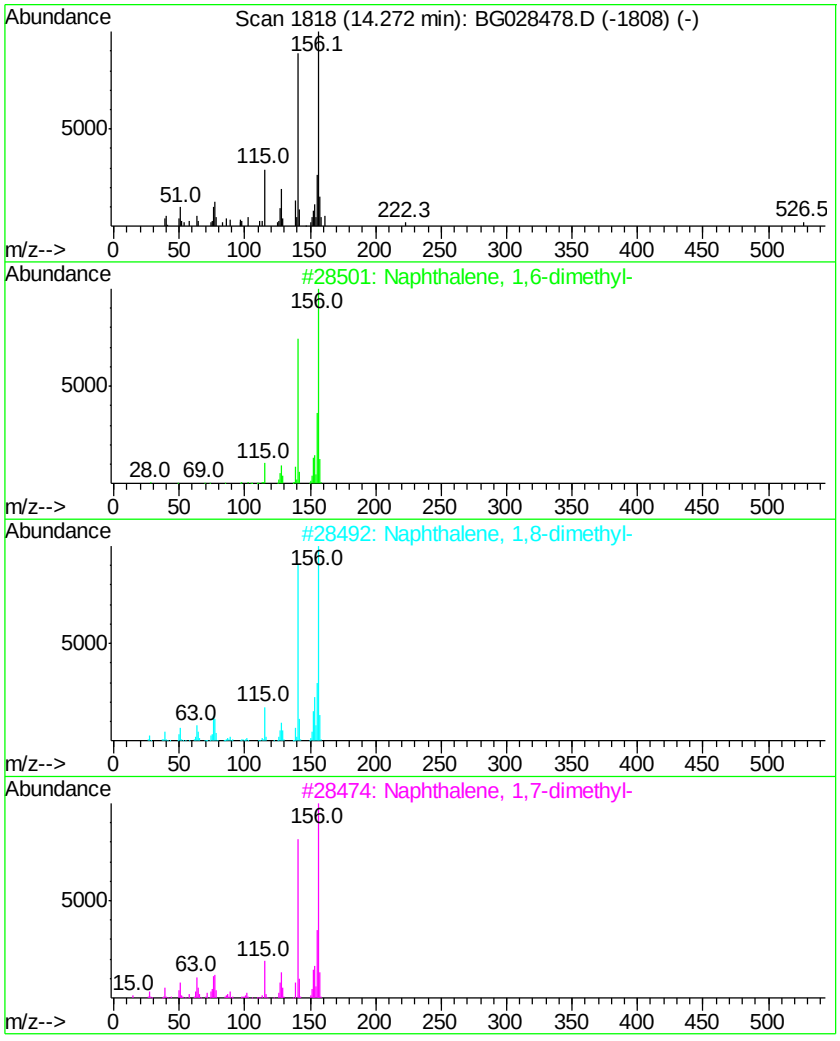
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

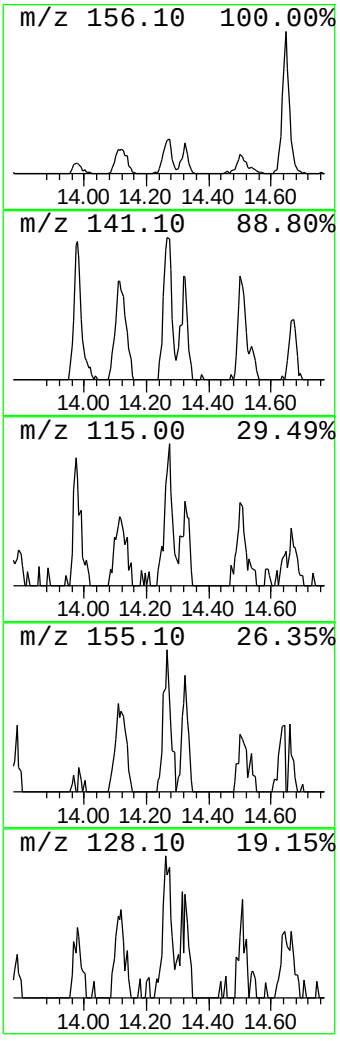
****

Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	2.07 ng/ul	69275	Acenaphthene-d10	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
2	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	93
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	91
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\
Data File : BG028478.D
Acq On : 25 Aug 2017 3:22
Operator : SJ/JU
Sample : I4840-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

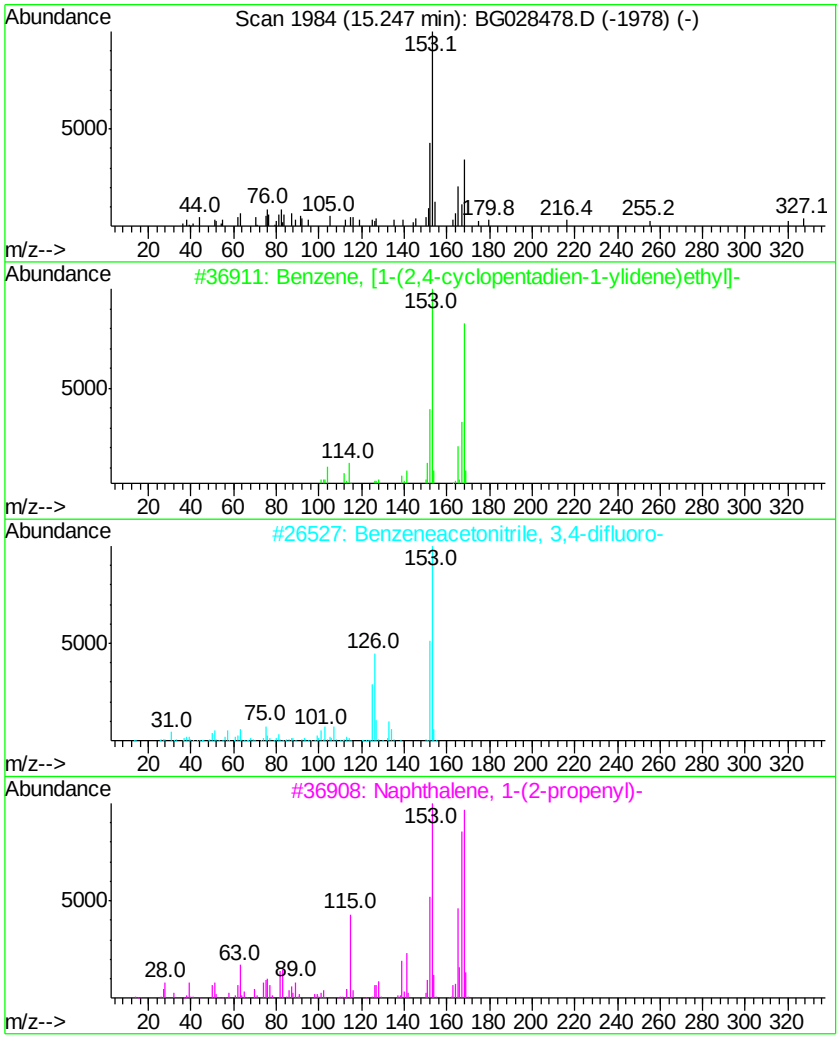
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

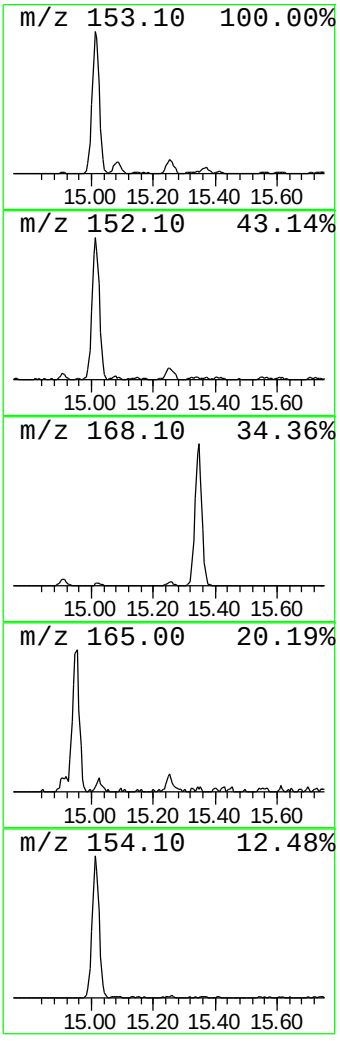
****

Peak Number 3 Benzene, [1-(2,4-cyclopenta... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.25	2.08 ng/ul	69671	Acenaphthene-d10	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	50
2	Benzeneacetonitrile, 3,4-difluoro-	153	C8H5F2N	000658-99-1	47
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	40
4	.beta.-(1-Naphthyl)acrylic acid	198	C13H10O2	013026-12-5	40
5	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\
Data File : BG028478.D
Acq On : 25 Aug 2017 3:22
Operator : SJ/JU
Sample : I4840-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

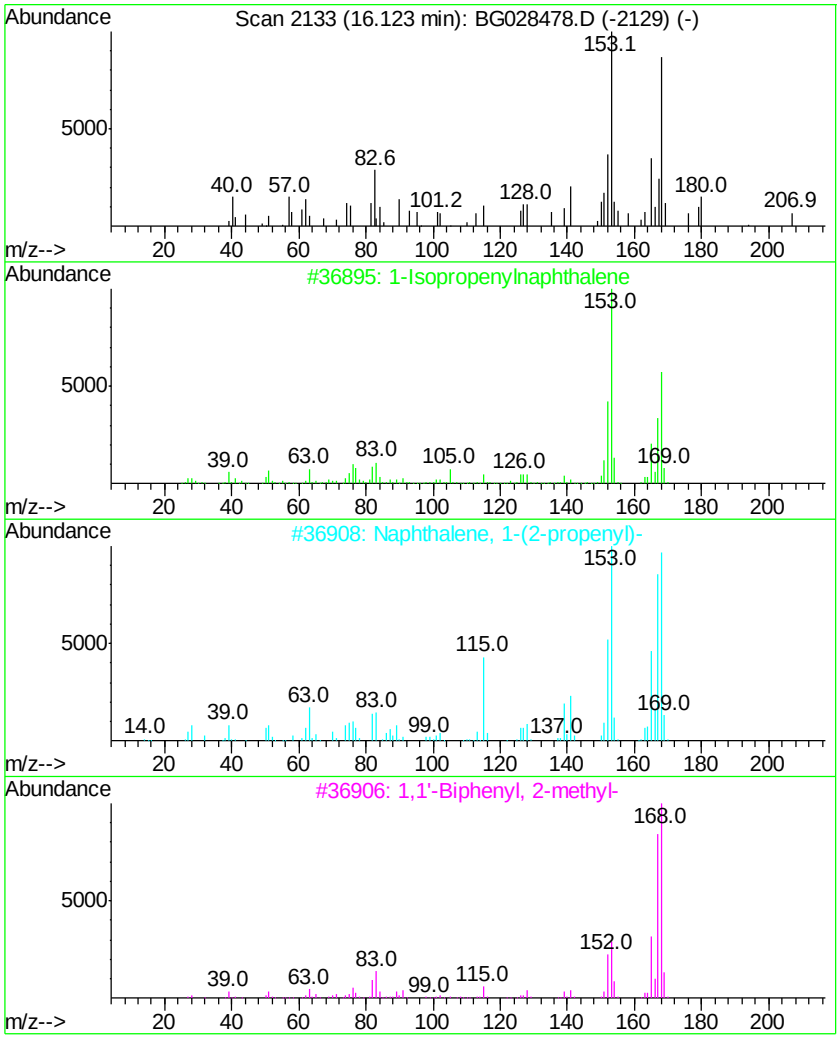
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

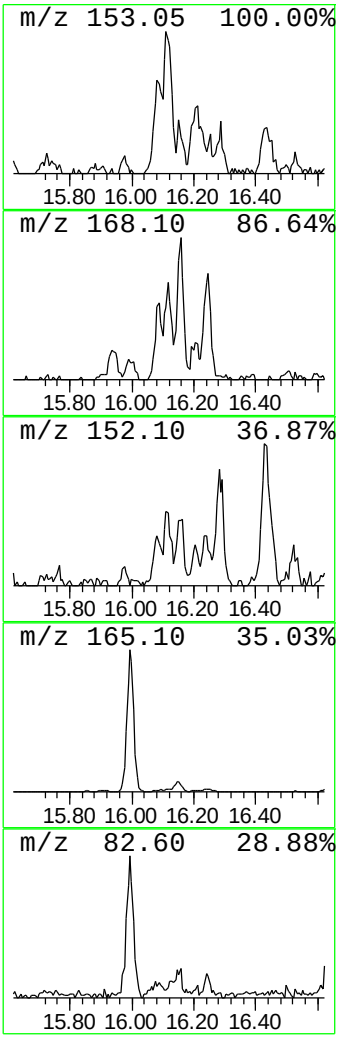
****

Peak Number 4 1-Isopropenylnaphthalene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.12	2.06 ng/ul	68742	Acenaphthene-d10	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	74
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	64
4	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	64
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	53





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\
Data File : BG028478.D
Acq On : 25 Aug 2017 3:22
Operator : SJ/JU
Sample : I4840-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

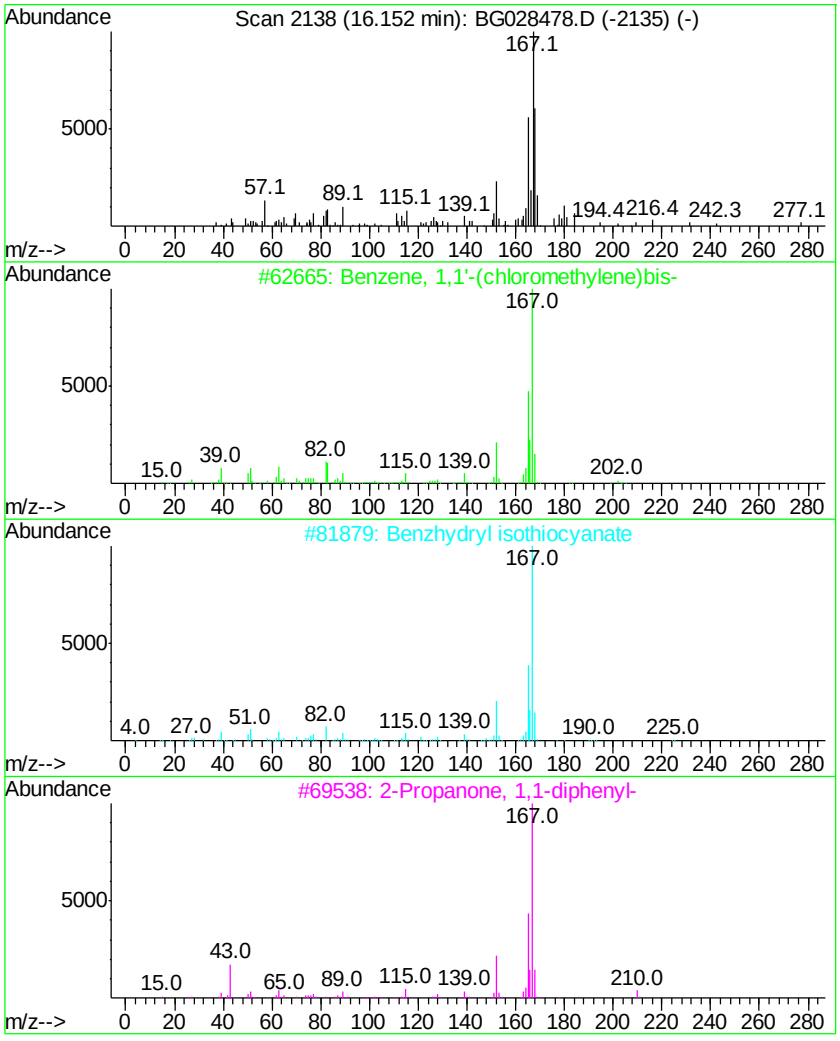
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

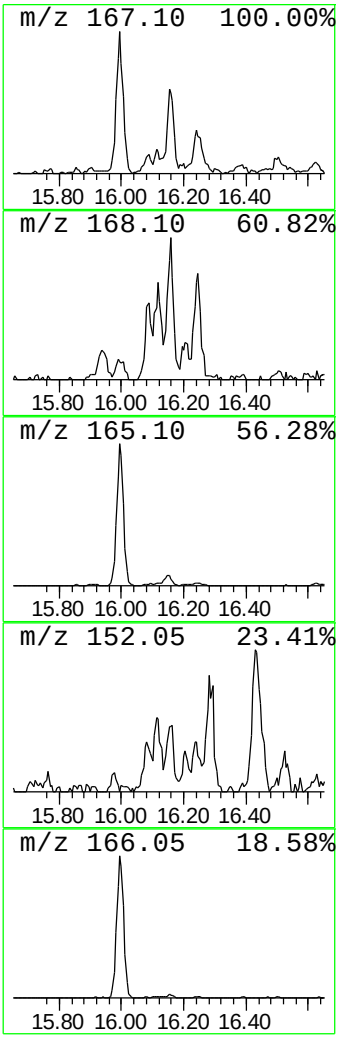
****

Peak Number 5 Benzene, 1,1'-(chloromethyl... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.15	3.66 ng/ul	122357	Acenaphthene-d10	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(chloromethylene)bis-	202	C13H11Cl	000090-99-3	93
2	Benzhydryl isothiocyanate	225	C14H11NS	003550-21-8	64
3	2-Propanone, 1,1-diphenyl-	210	C15H14O	000781-35-1	58
4	Diphenamid	239	C16H17NO	000957-51-7	53
5	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	53





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Acq On : 25 Aug 2017 3:22
Operator : SJ/JU
Sample : I4840-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9

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Quant Title : SVOA CALIBRATION

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

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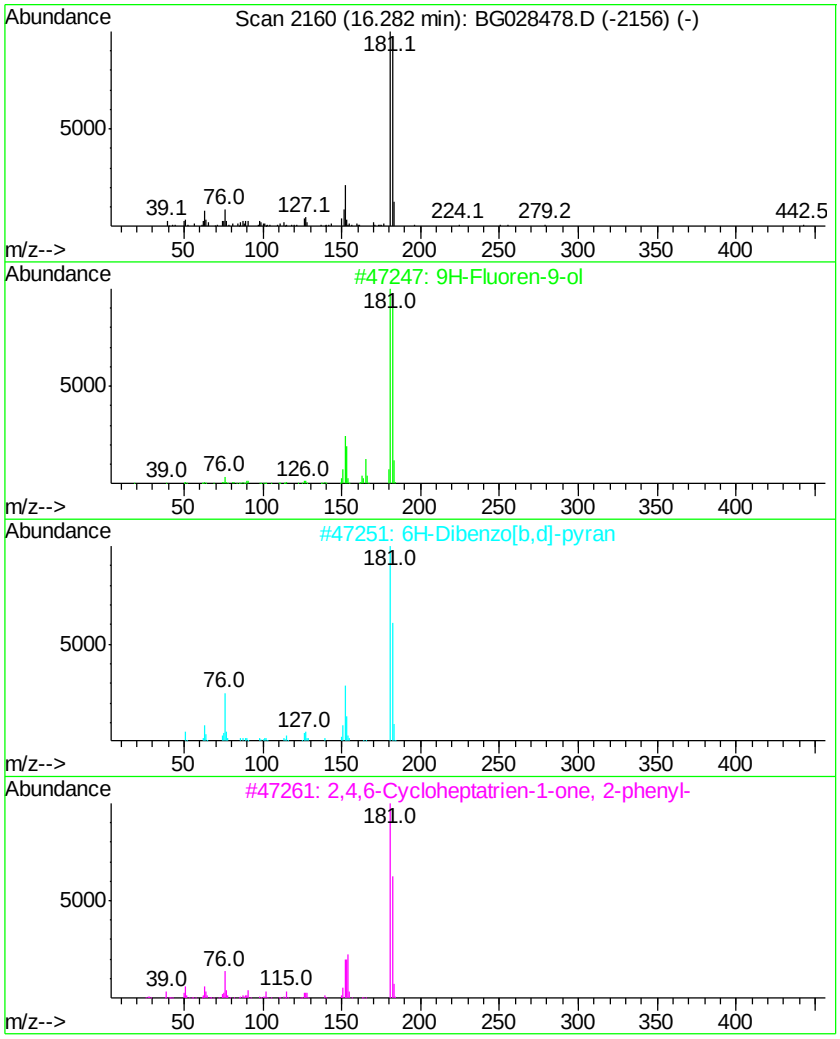
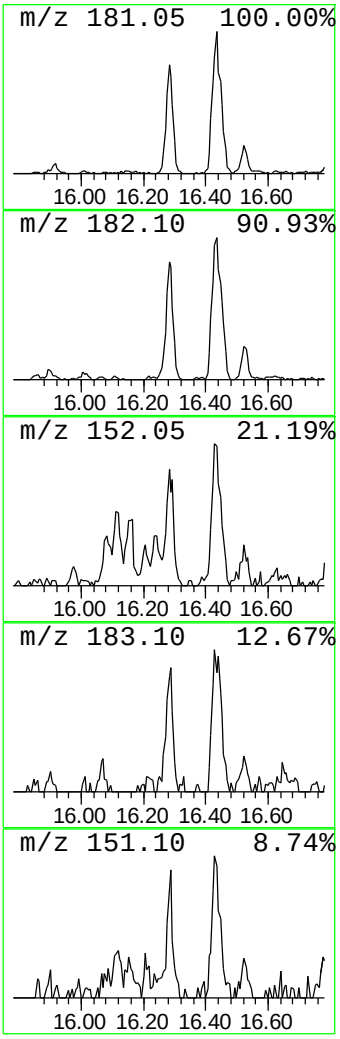
Peak Number 6 9H-Fluoren-9-ol Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	4.01 ng/ul	134096	Acenaphthene-d10	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
2	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	90
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80





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Instrument : BNA_G
ClientSampleId : B0AK9

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Quant Title : SVOA CALIBRATION

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

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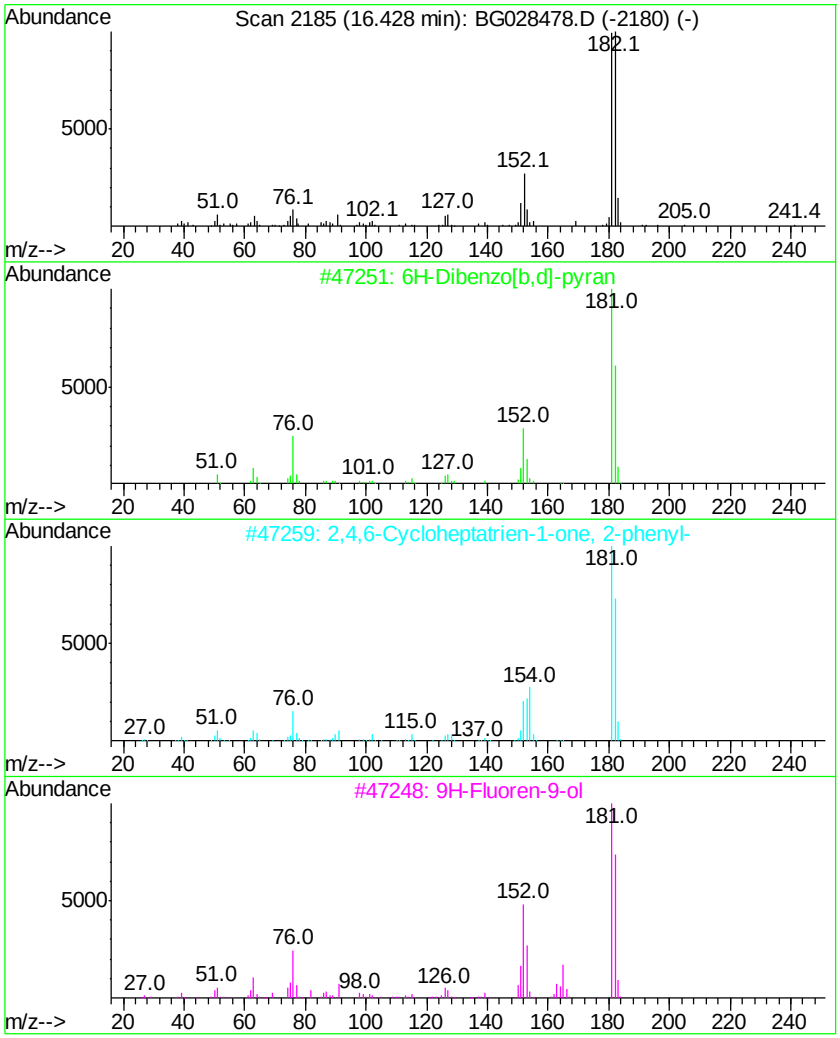
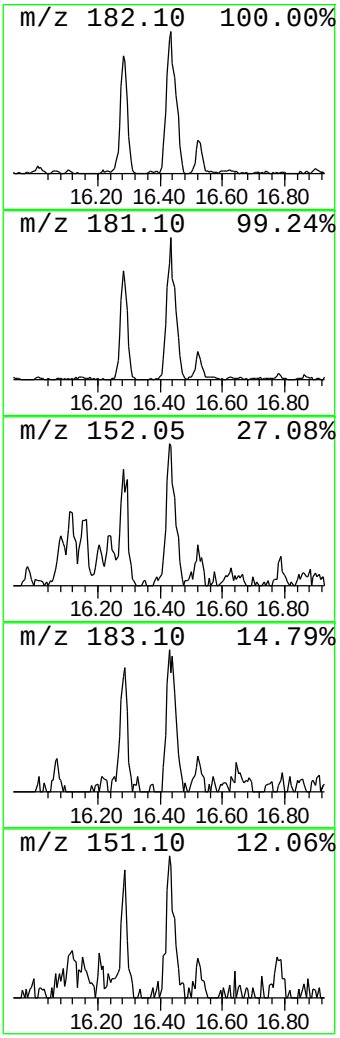
Peak Number 7 6H-Dibenzo[b,d]-pyran Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	4.73 ng/ul	199094	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76





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ClientSampleId : B0AK9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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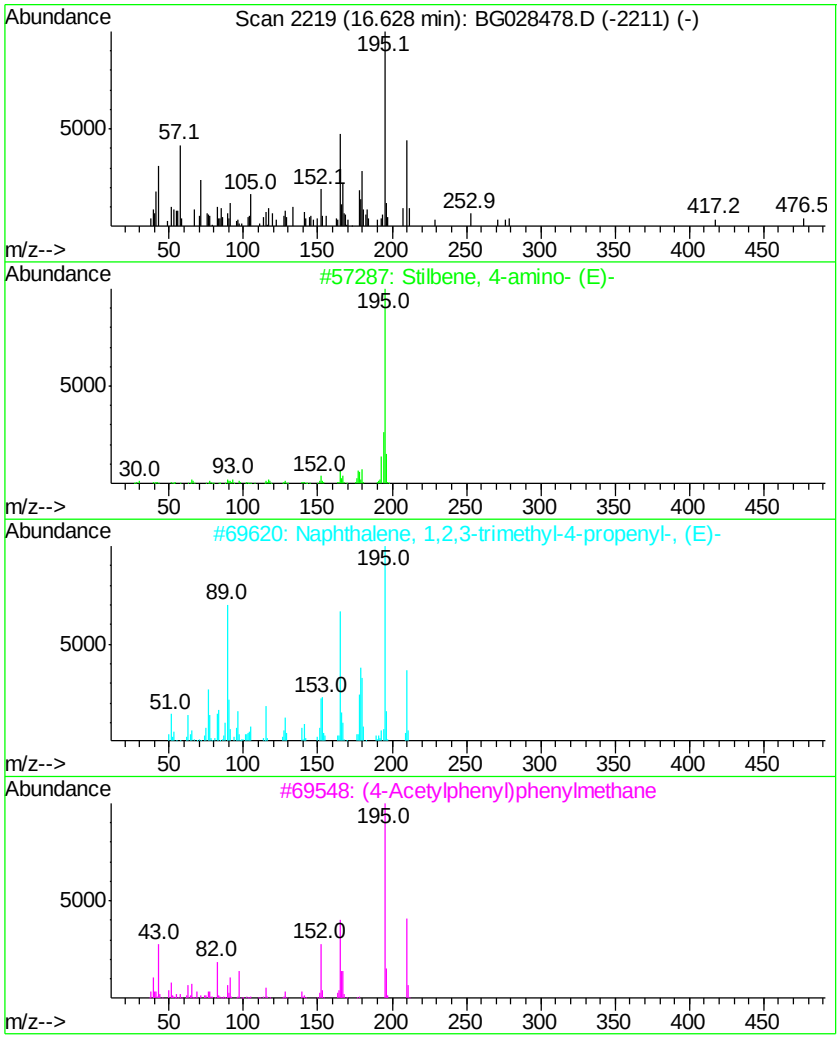
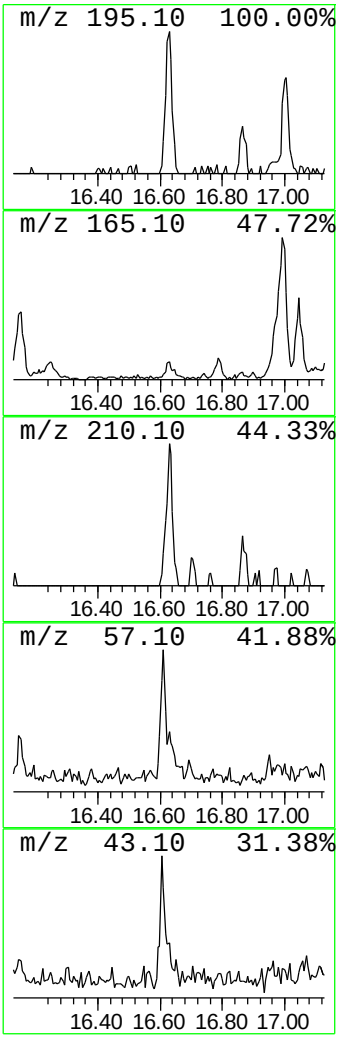
Peak Number 8 Stilbene, 4-amino- (E)- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	2.18 ng/ul	91645	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Stilbene, 4-amino- (E)-	195	C14H13N	004309-66-4	86
2	Naphthalene, 1,2,3-trimethyl-4-p...	210	C16H18	026137-53-1	74
3	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	58
4	2',3',4' Trimethoxyacetophenone	210	C11H14O4	013909-73-4	52
5	3H-Pyrrolo[3,2-H]quinoline, 2,3,...	210	C14H14N2	083958-38-7	49





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ClientSampleId : B0AK9

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Quant Title : SVOA CALIBRATION

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

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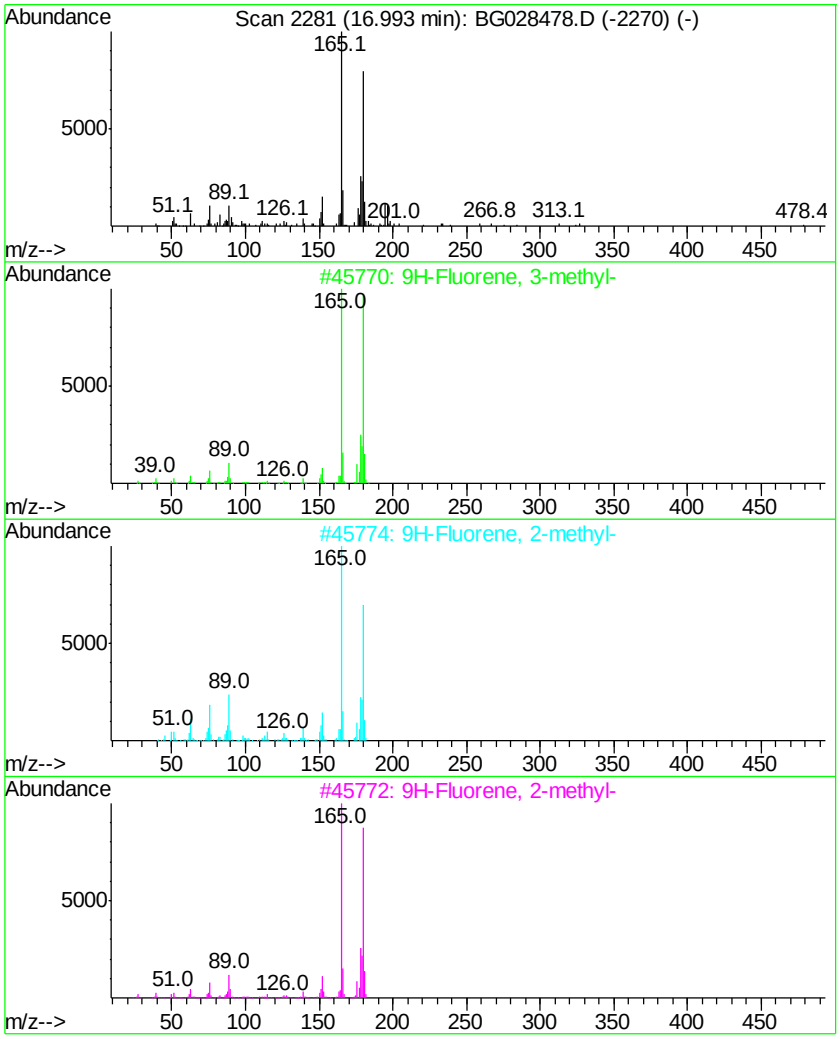
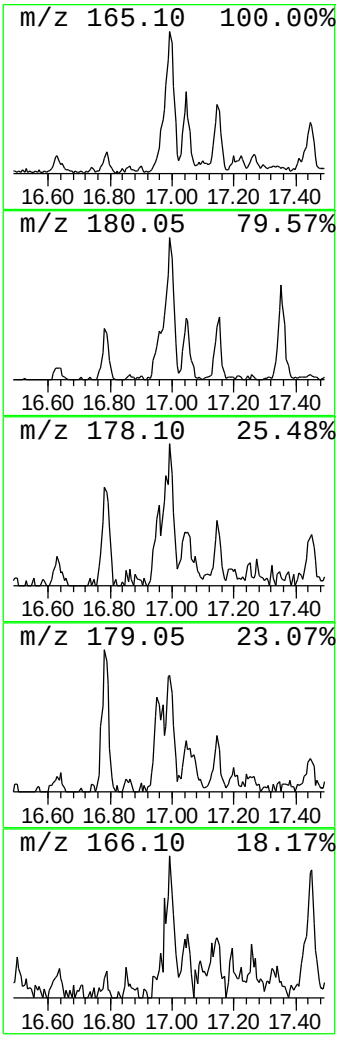
Peak Number 9 9H-Fluorene, 3-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.99	5.48 ng/ul	230374	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90





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Acq On : 25 Aug 2017 3:22
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Misc :
ALS Vial : 25 Sample Multiplier: 1

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ClientSampleId : B0AK9

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Quant Title : SVOA CALIBRATION

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

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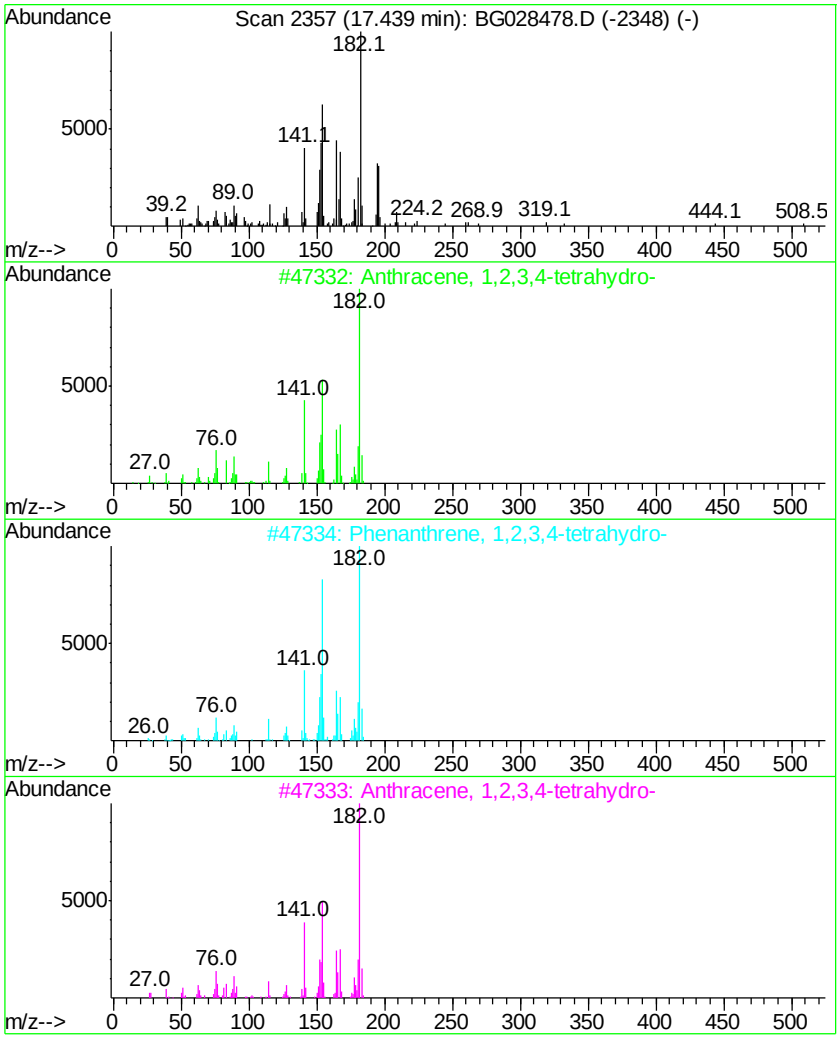
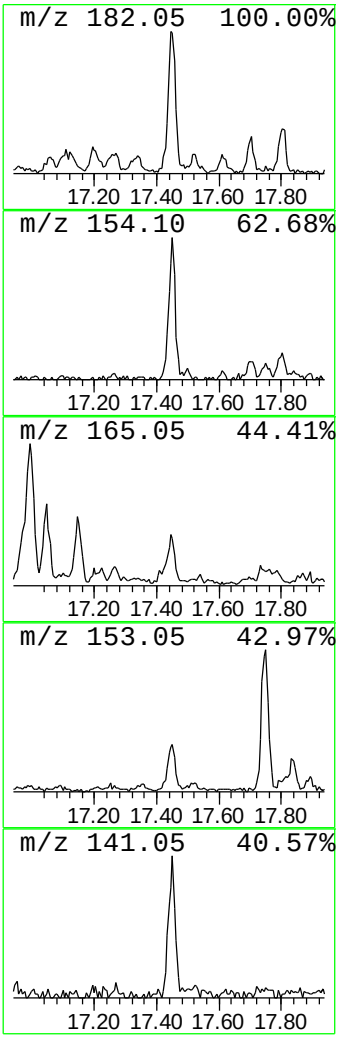
Peak Number 10 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.44	5.95 ng/ul	250284	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	98
2	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	86
3	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	70
4	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	64
5	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	64





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ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9

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Quant Title : SVOA CALIBRATION

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

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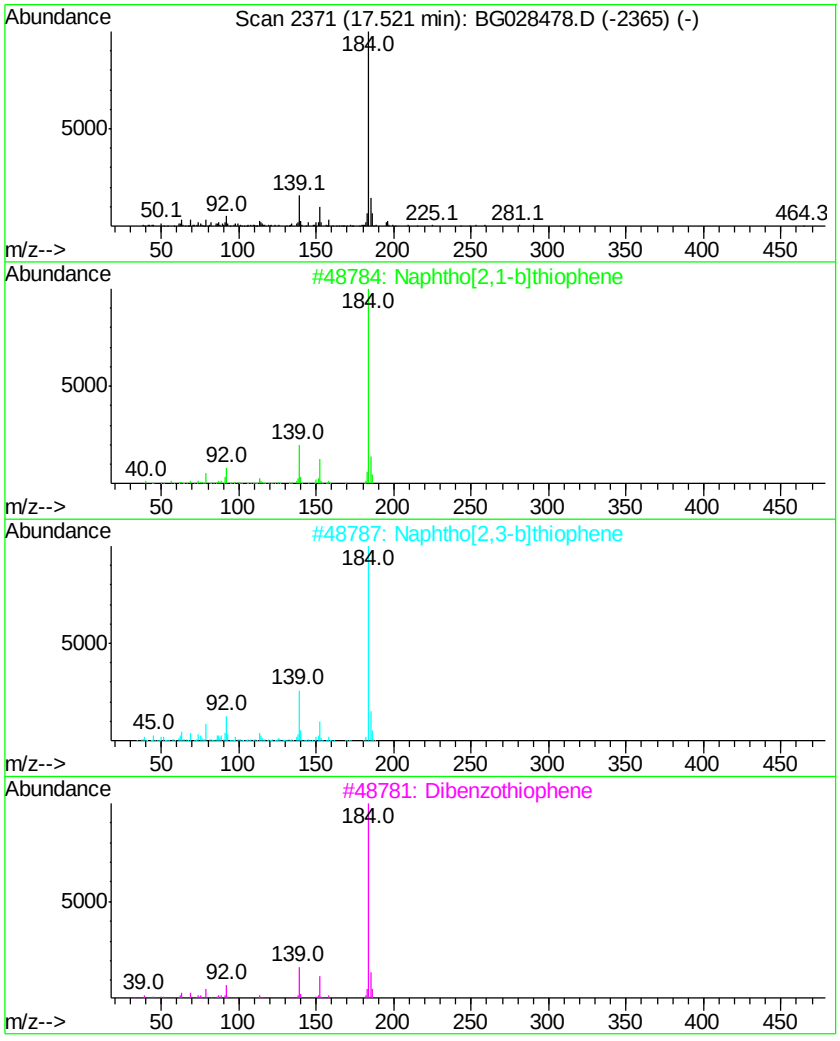
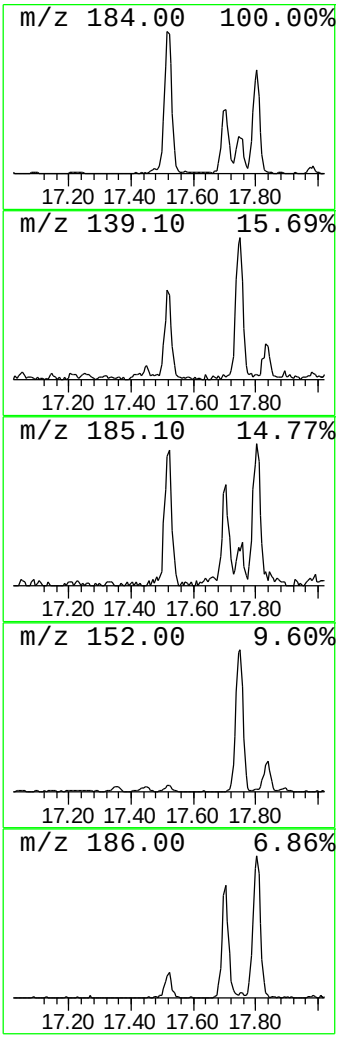
Peak Number 11 Naphtho[2,1-b]thiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.52	5.79 ng/ul	243522	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	93





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Sample : I4840-11
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ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9

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Quant Title : SVOA CALIBRATION

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

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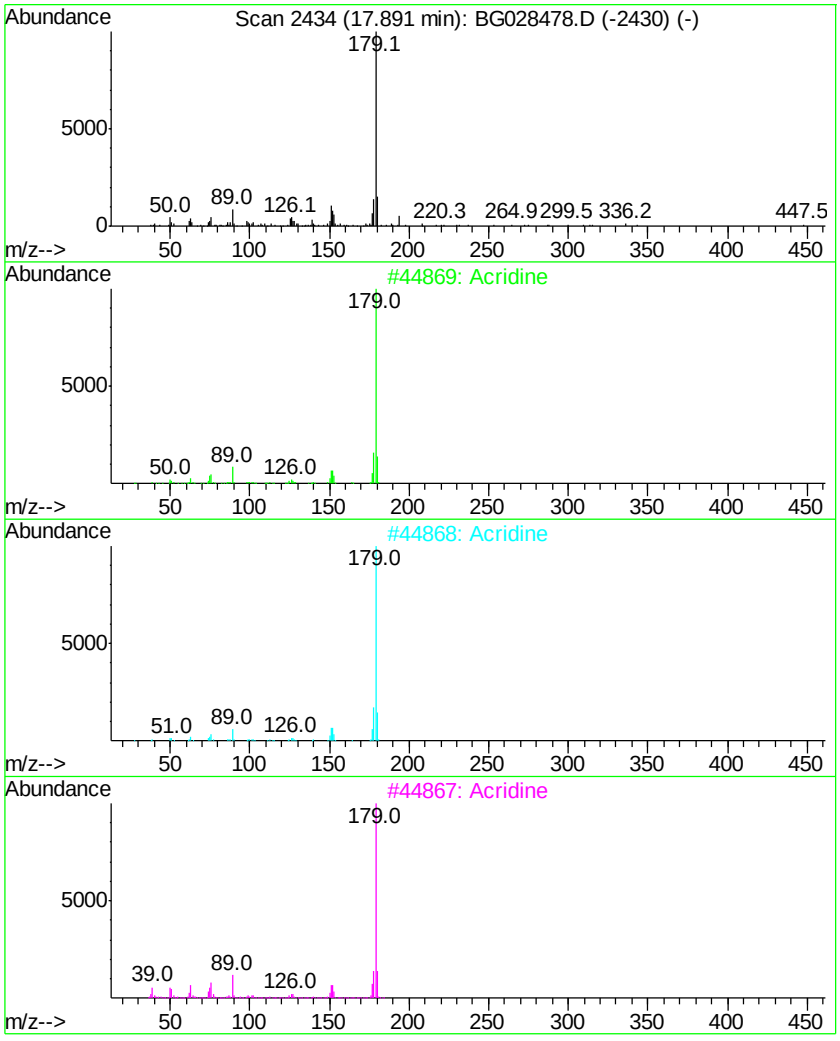
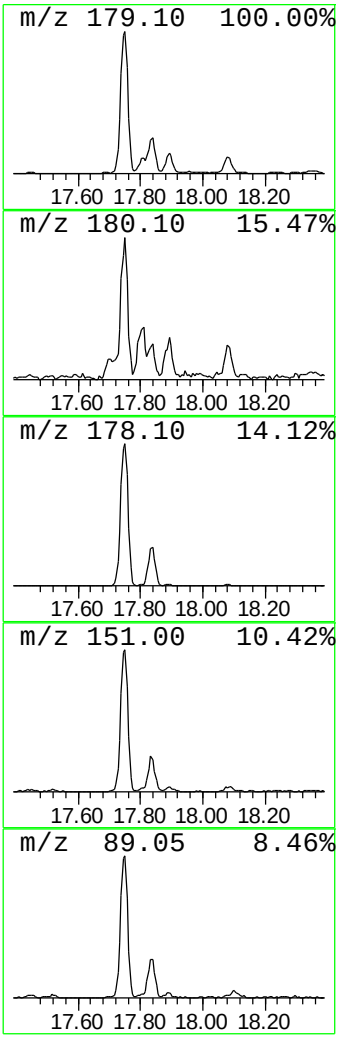
Peak Number 12 Acridine Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	2.68 ng/ul	112924	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	90
2	Acridine	179	C13H9N	000260-94-6	90
3	Acridine	179	C13H9N	000260-94-6	90
4	9H-Fluoren-9-imine	179	C13H9N	004440-33-9	90
5	Phenanthridine	179	C13H9N	000229-87-8	90





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Instrument : BNA_G
ClientSampleId : B0AK9

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Quant Title : SVOA CALIBRATION

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

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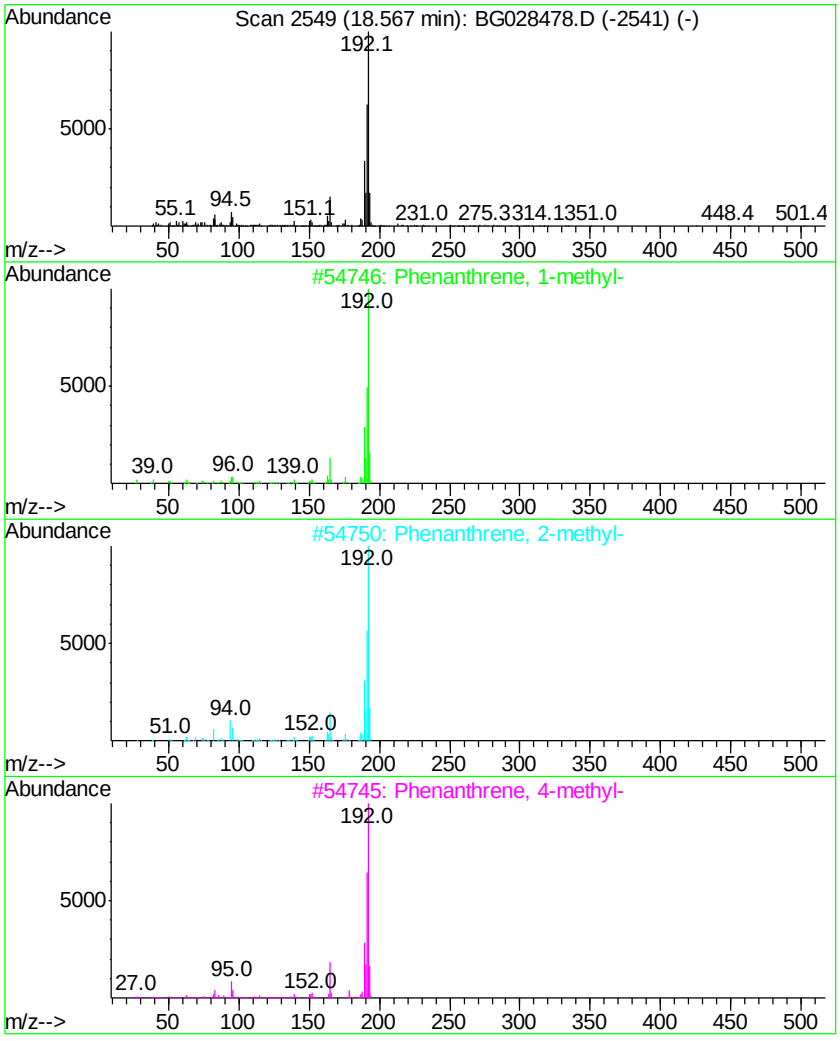
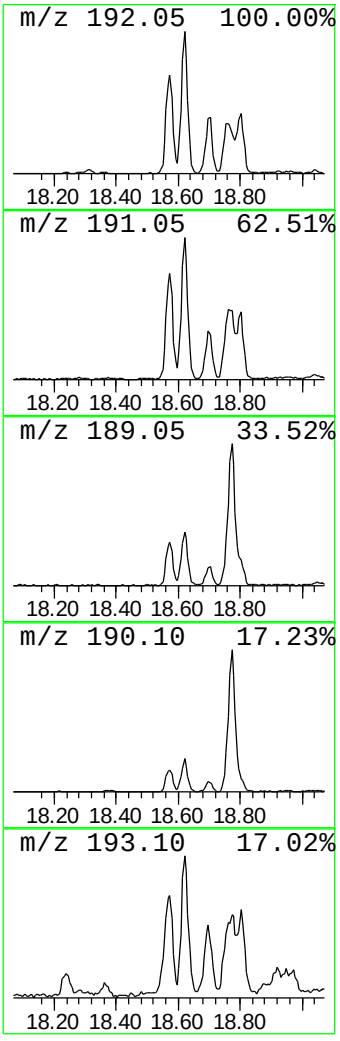
Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	15.49 ng/ul	651709	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92





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ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9

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Quant Title : SVOA CALIBRATION

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

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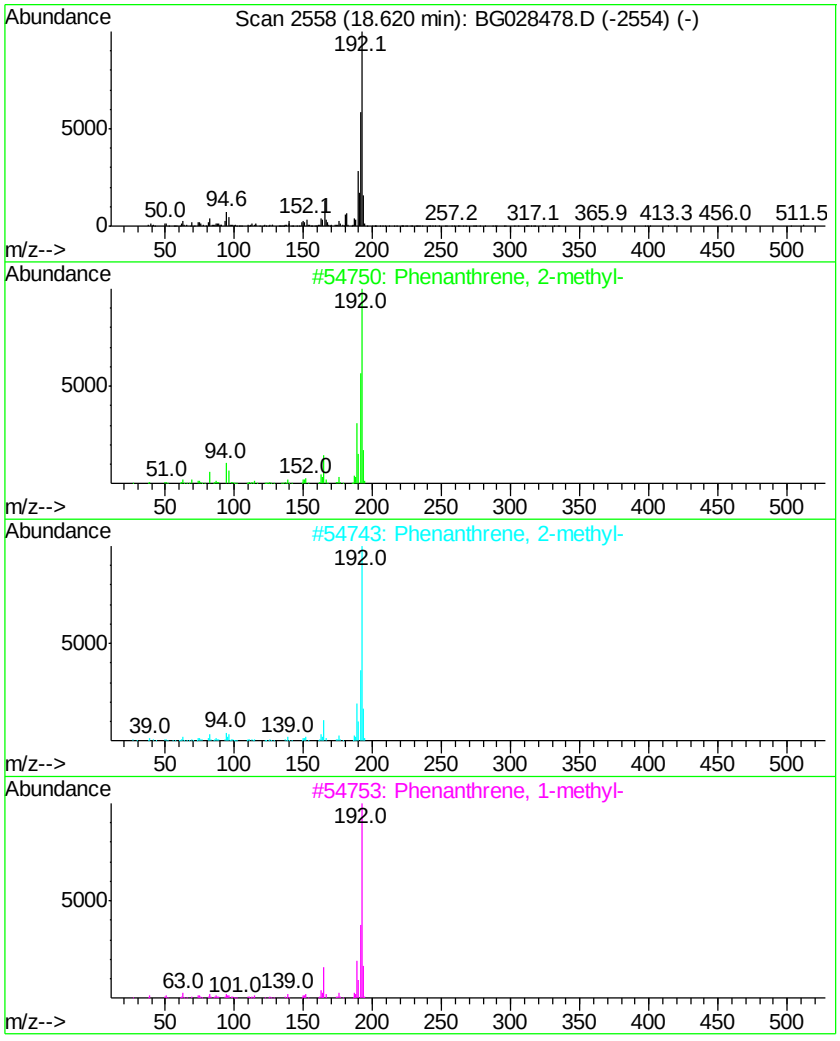
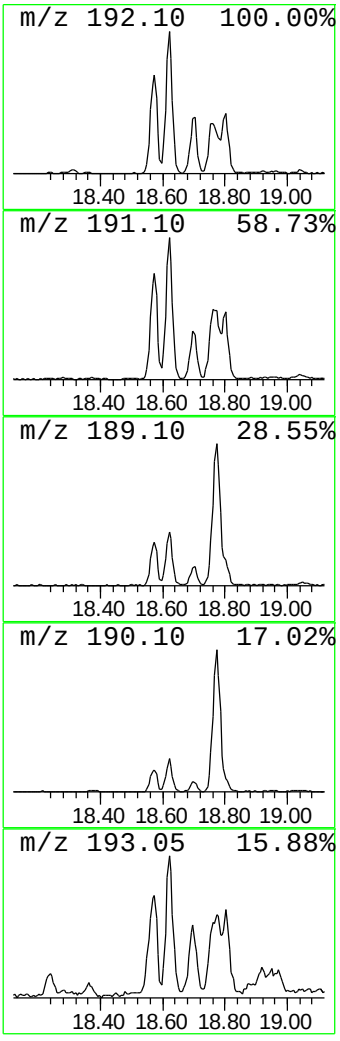
Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	15.61 ng/ul	656898	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9

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Quant Title : SVOA CALIBRATION

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

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Peak Number 15 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	5.73 ng/ul	241230	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
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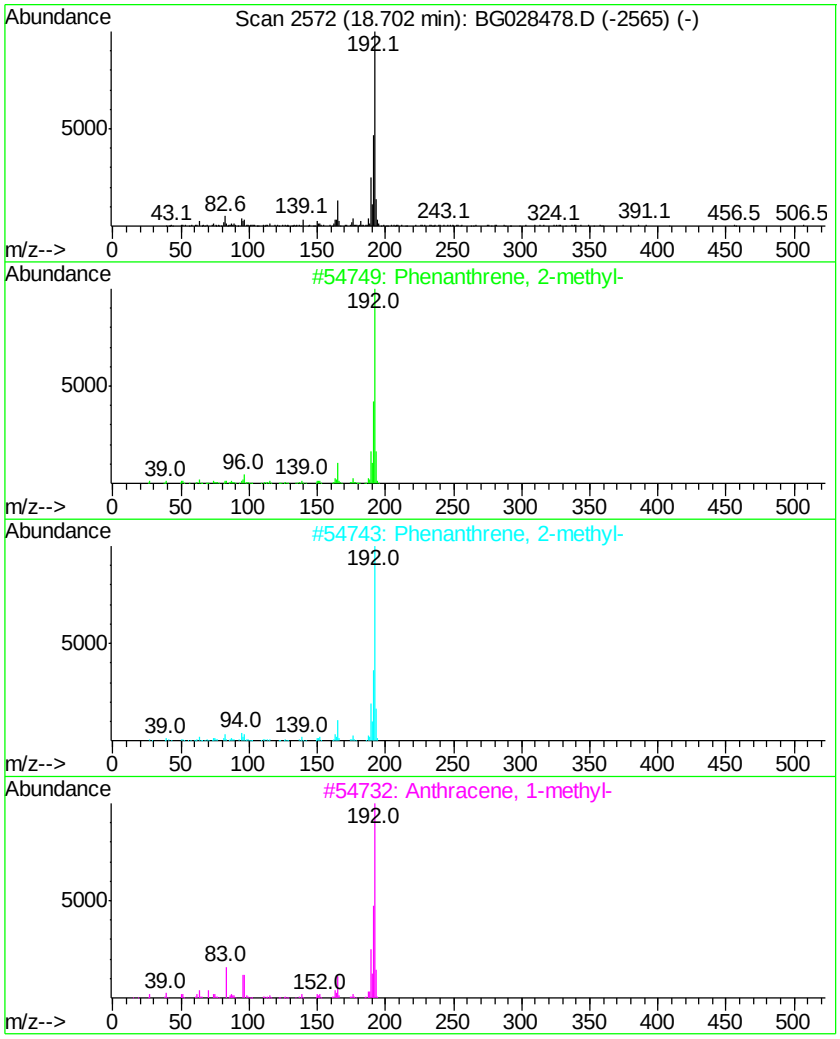
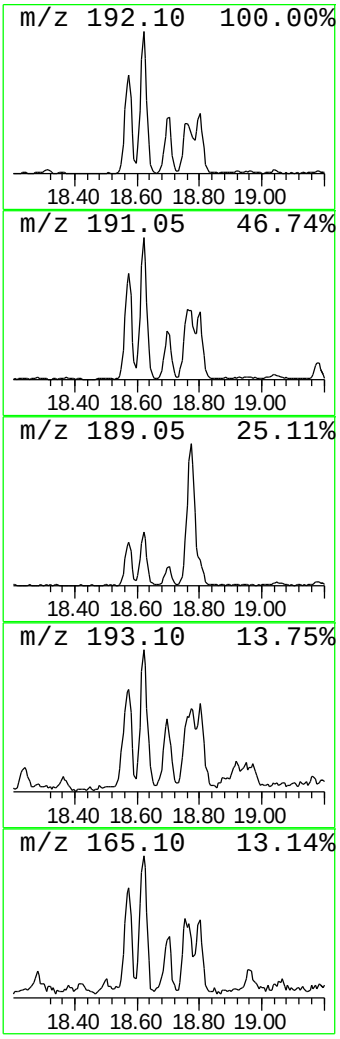
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9

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Quant Title : SVOA CALIBRATION

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

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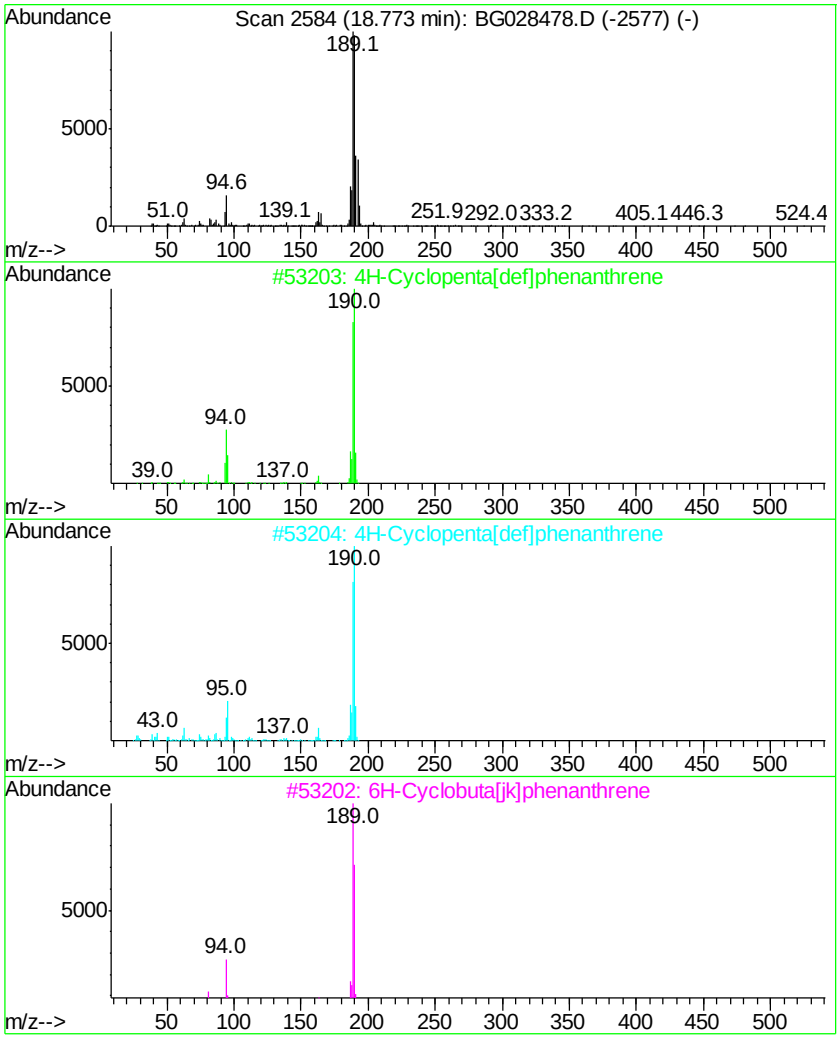
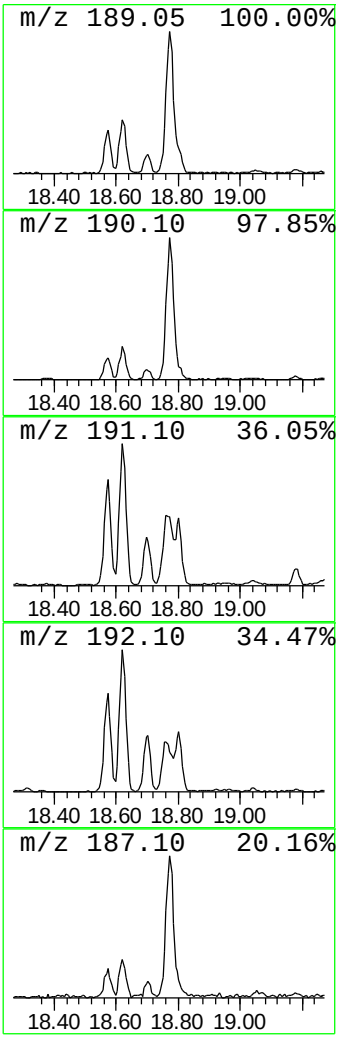
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	24.06 ng/ul	1012110	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





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Sample : I4840-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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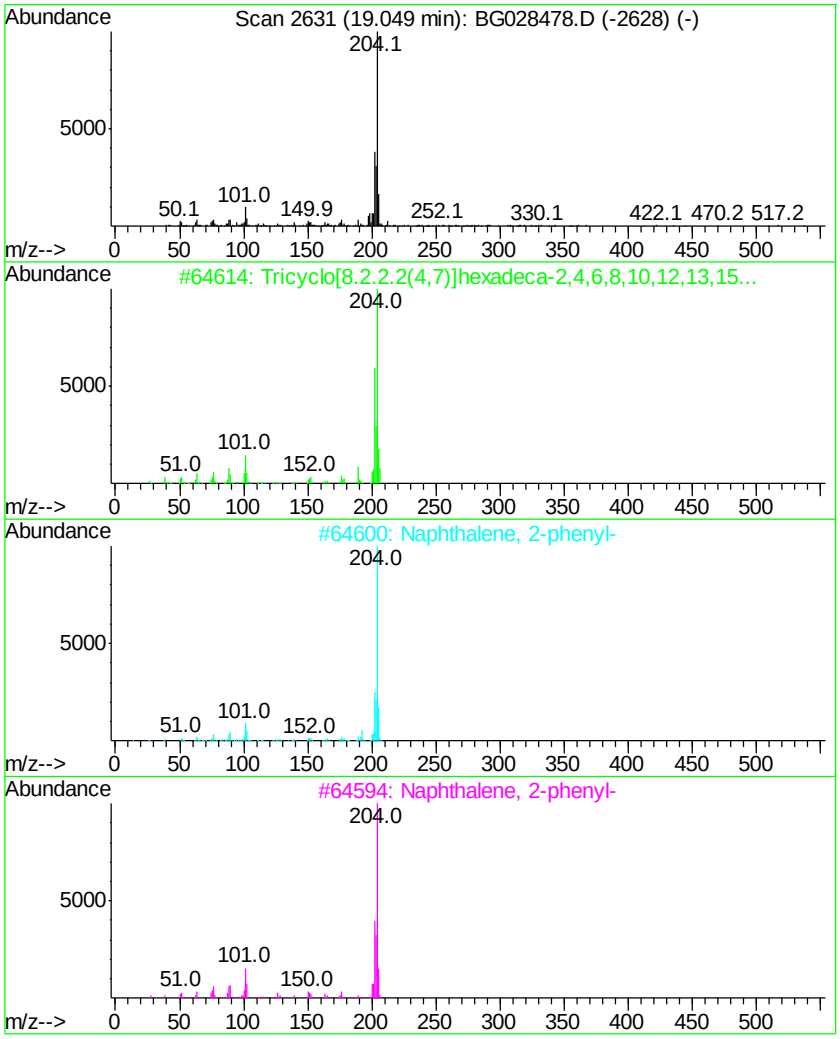
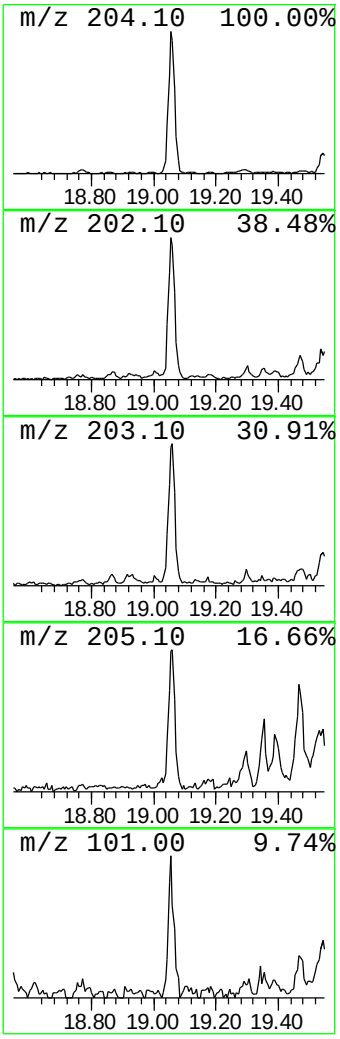
Peak Number 17 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.05	7.03 ng/ul	295874	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	74
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68





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Data File : BG028478.D
Acq On : 25 Aug 2017 3:22
Operator : SJ/JU
Sample : I4840-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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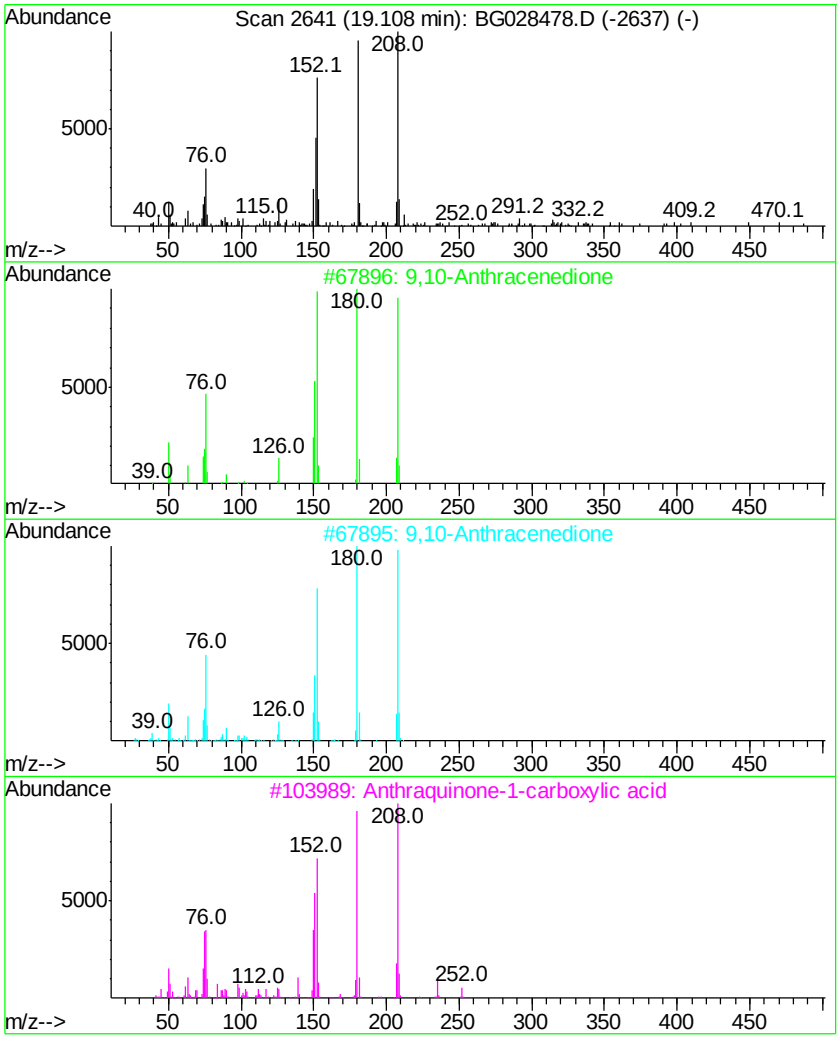
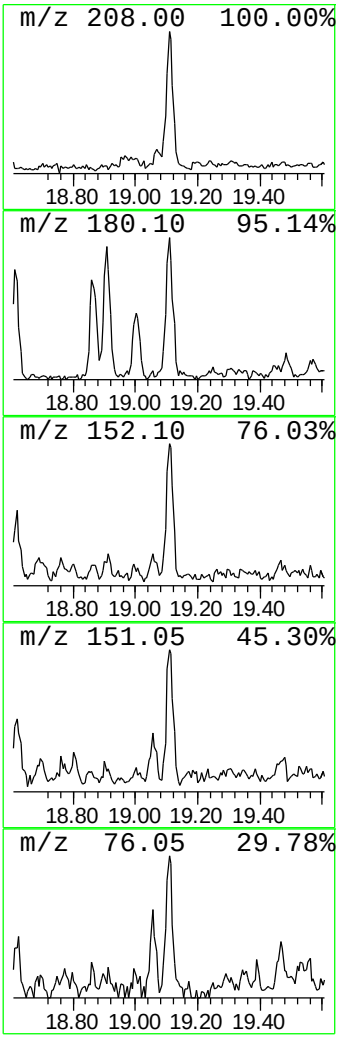
Peak Number 18 9,10-Anthracenedione Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.11	2.82 ng/ul	118816	Phenanthrene-d10	17.70

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	80
3	Anthraquinone-1-carboxylic acid	252	C15H8O4	000602-69-7	78
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	58





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Sample : I4840-11
Misc :
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Instrument : BNA_G
ClientSampleId : B0AK9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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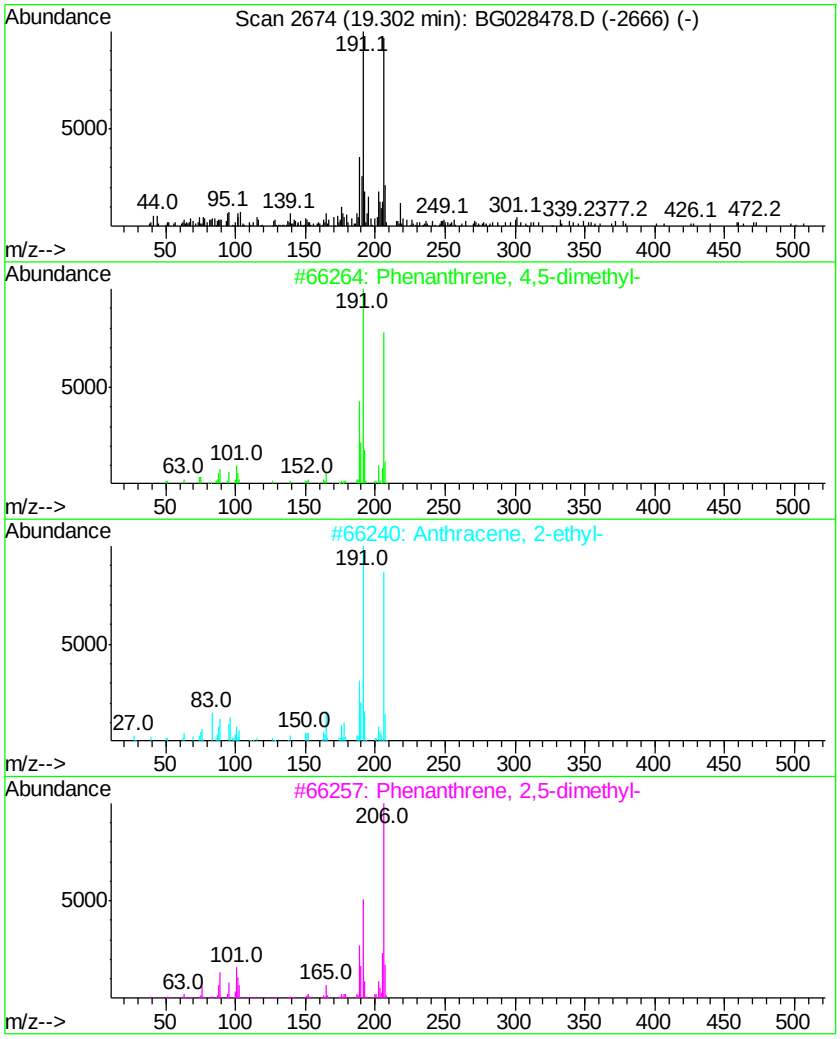
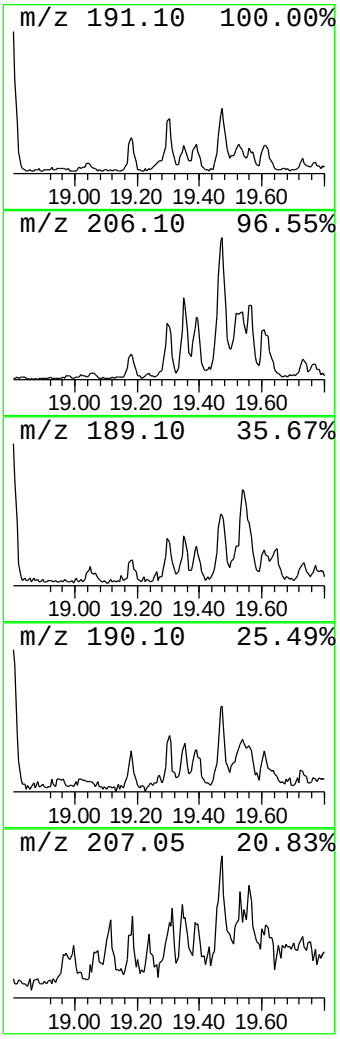
Peak Number 19 Phenanthrene, 4,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.30	3.48 ng/ul	146399	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	87
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	80
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	72
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	72





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Operator : SJ/JU
Sample : I4840-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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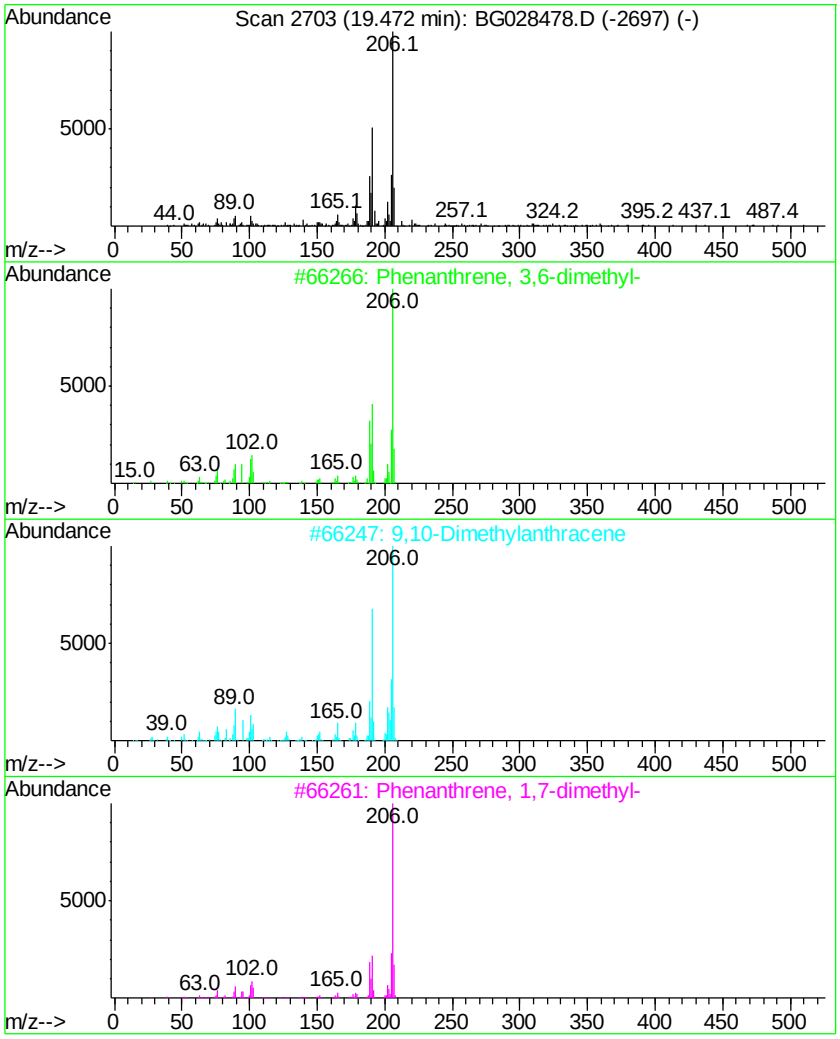
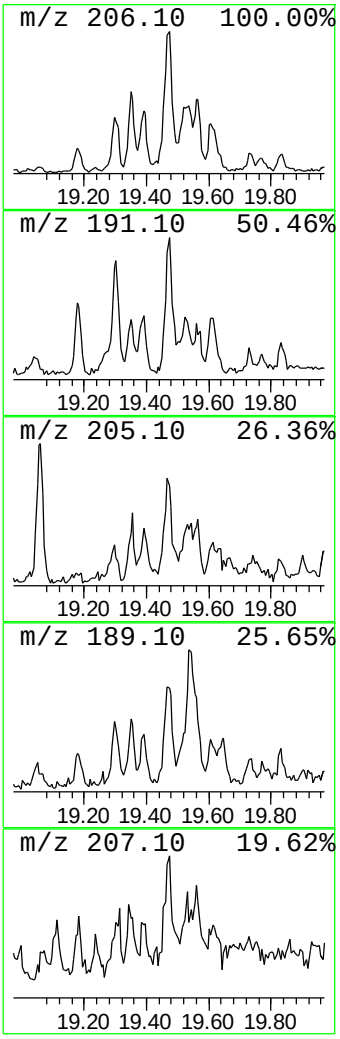
Peak Number 20 Phenanthrene, 3,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.47	5.90 ng/ul	248305	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87





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Operator : SJ/JU
Sample : I4840-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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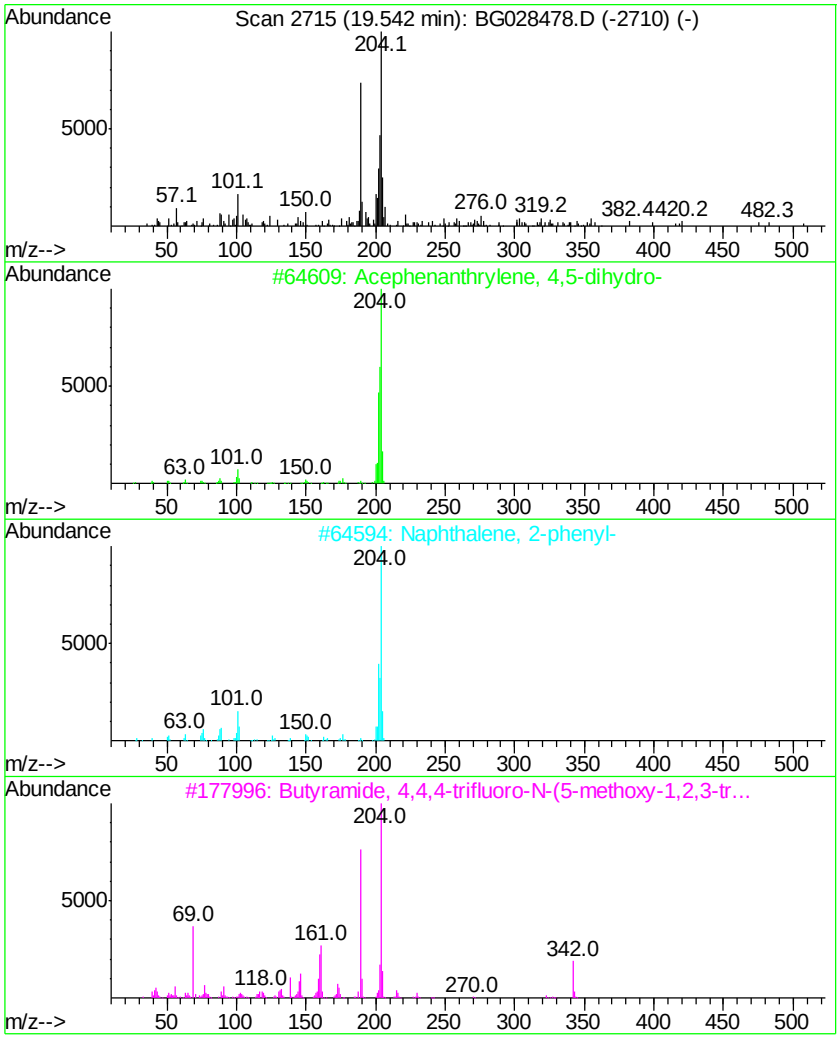
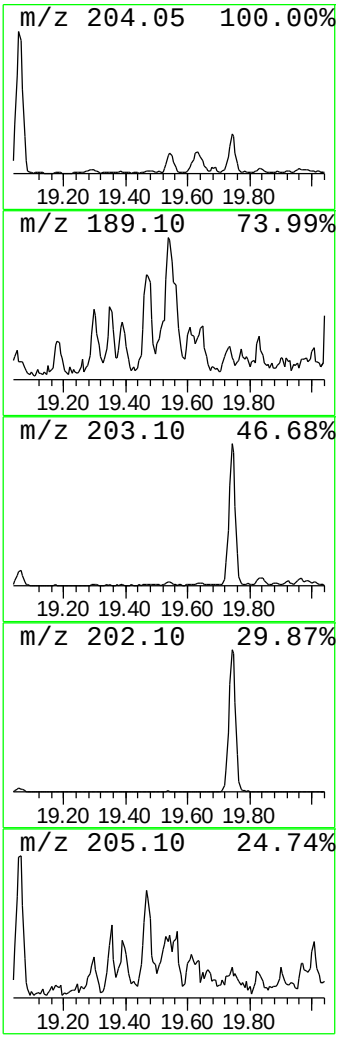
Peak Number 21 unknown-01 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.54	4.74 ng/ul	199615	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	43
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43
3	Butyramide, 4,4,4-trifluoro-N-(5...	342	C16H17F3N2O3	1000315-93-8	42
4	2-Butenamide, 4,4,4-trifluoro-3-...	342	C16H17F3N2O3	1000337-24-6	42
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	38





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Acq On : 25 Aug 2017 3:22
Operator : SJ/JU
Sample : I4840-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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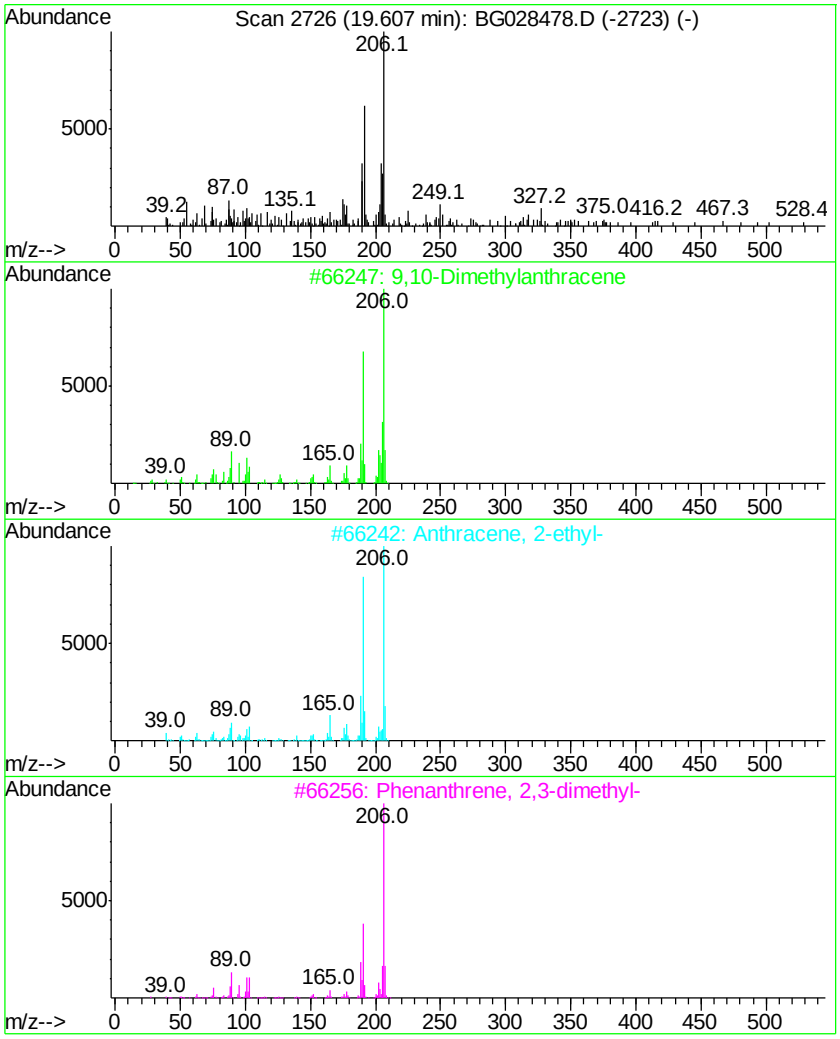
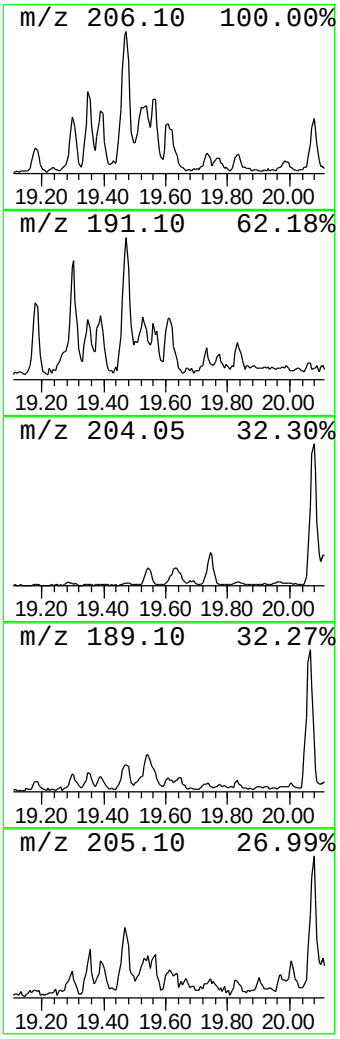
Peak Number 22 9,10-Dimethylanthracene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.61	3.24 ng/ul	136505	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	64
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	64
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	58
5	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	58





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Acq On : 25 Aug 2017 3:22
Operator : SJ/JU
Sample : I4840-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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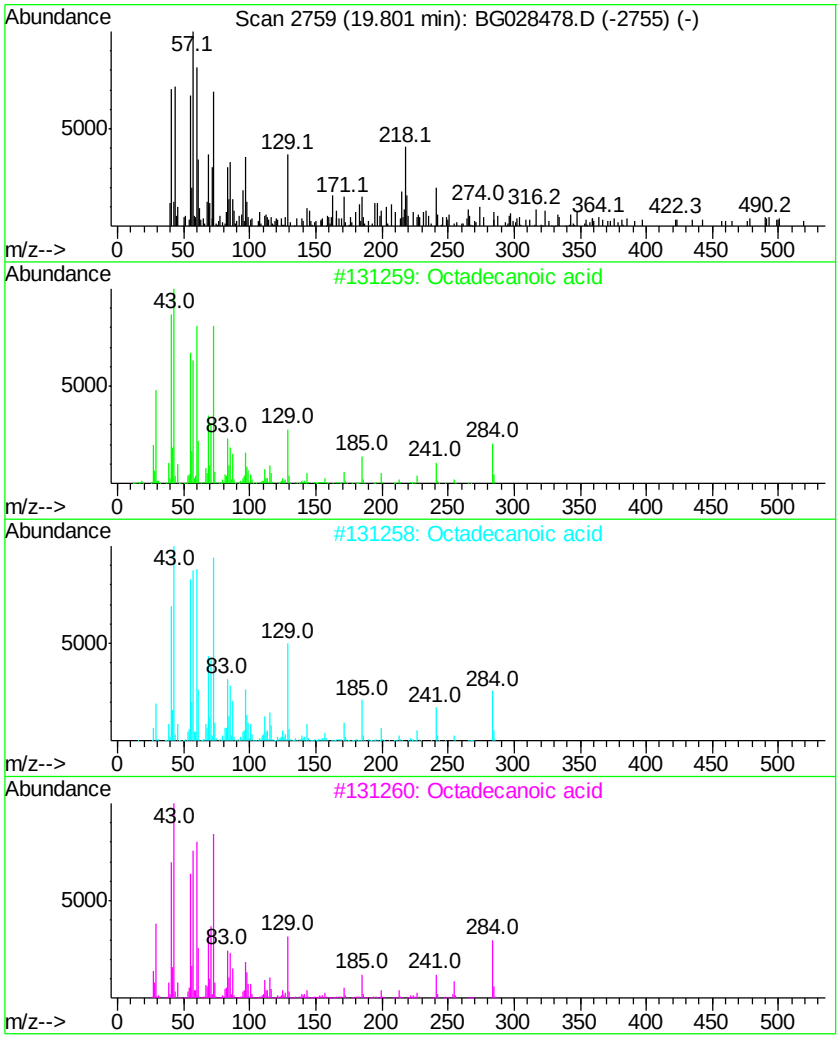
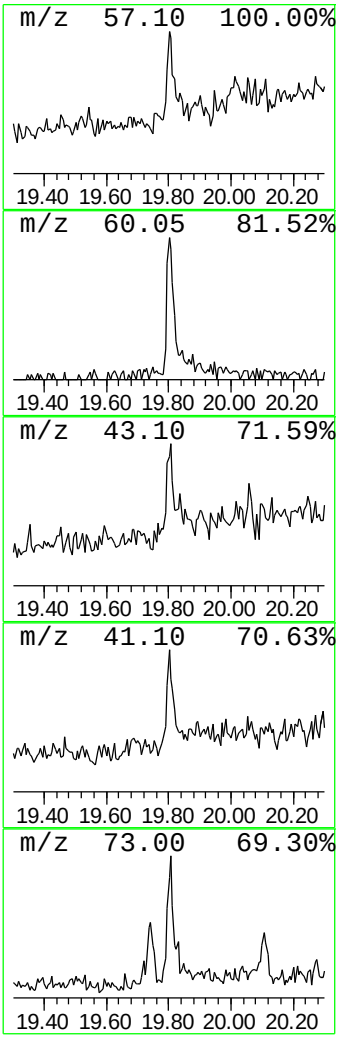
Peak Number 23 Octadecanoic acid Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	2.19 ng/ul	92068	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	86
2	Octadecanoic acid	284	C18H36O2	000057-11-4	55
3	Octadecanoic acid	284	C18H36O2	000057-11-4	49
4	n-Decanoic acid	172	C10H20O2	000334-48-5	42
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	42





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Acq On : 25 Aug 2017 3:22
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Sample : I4840-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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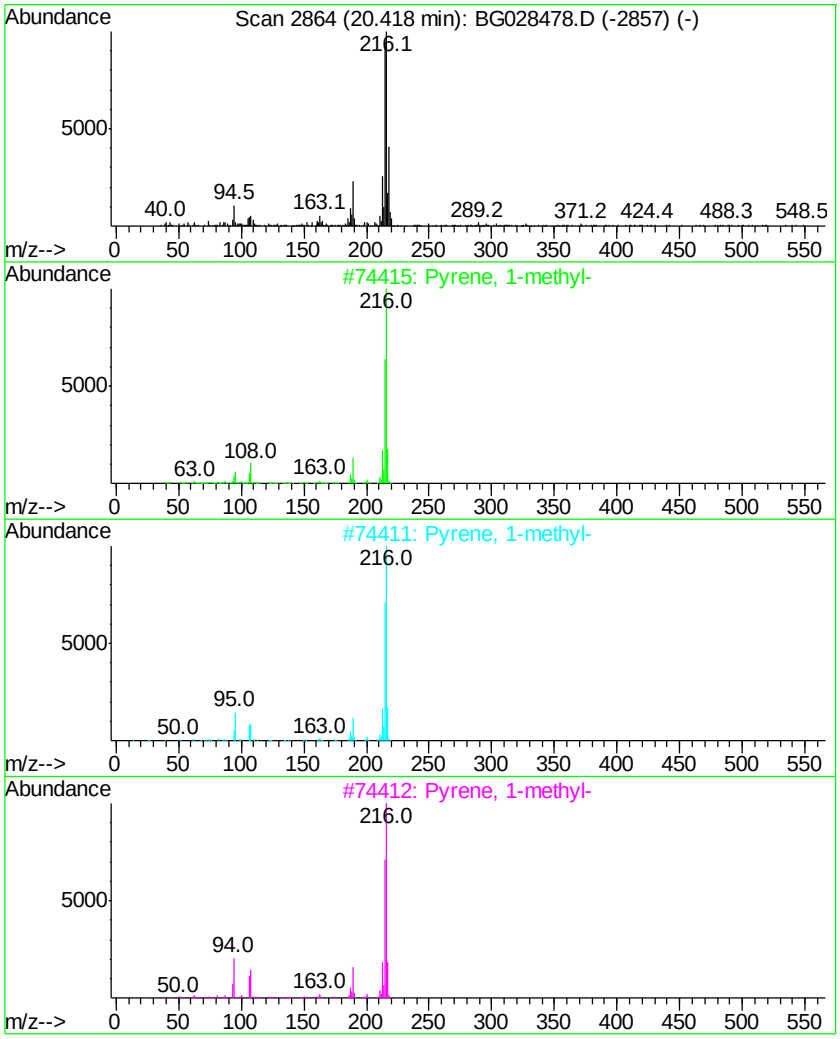
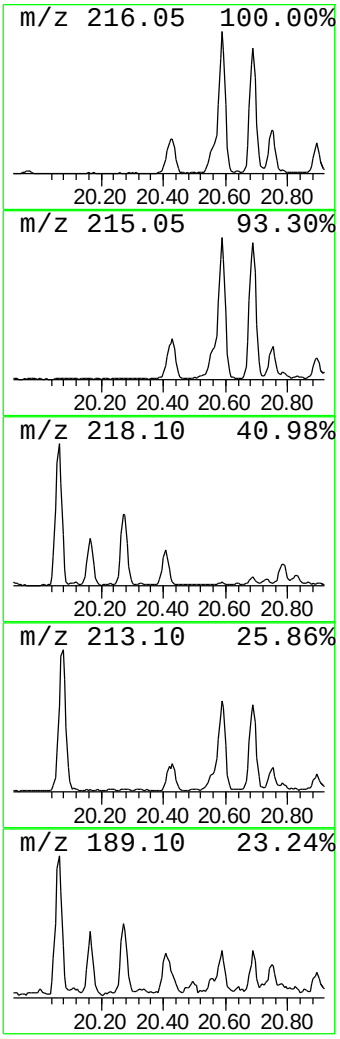
Peak Number 24 Pyrene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.42	2.66 ng/ul	491178	Chrysene-d12	22.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70





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Acq On : 25 Aug 2017 3:22
Operator : SJ/JU
Sample : I4840-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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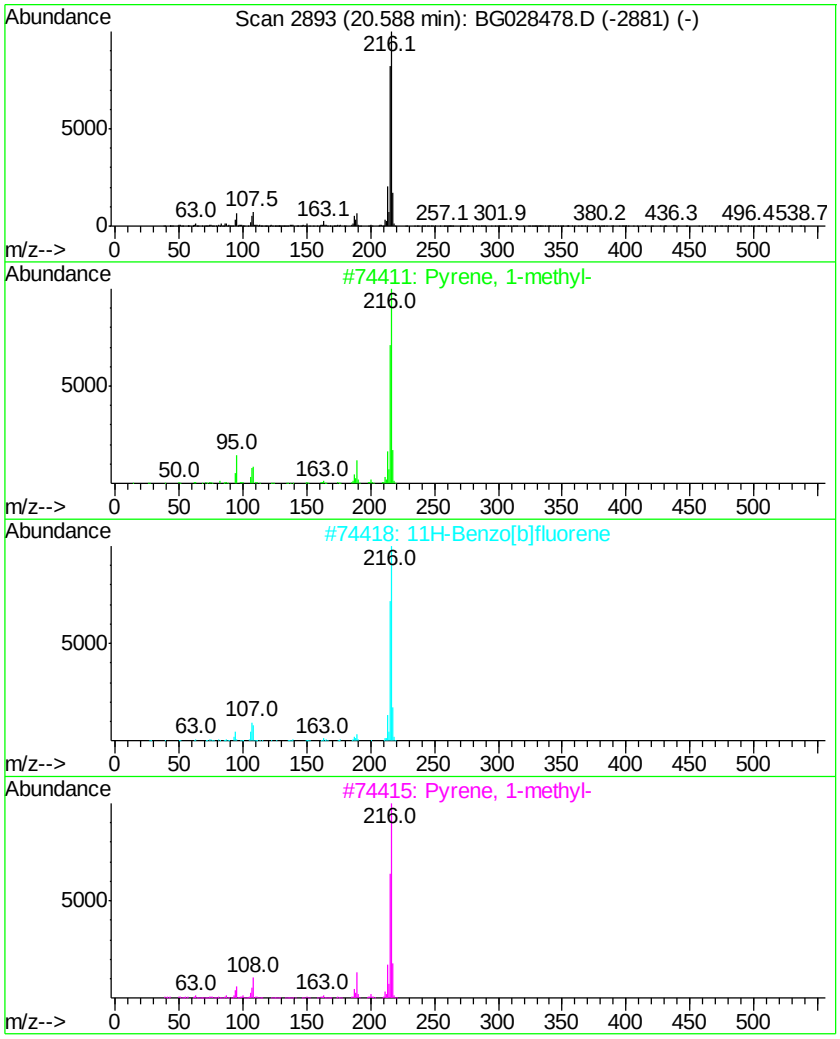
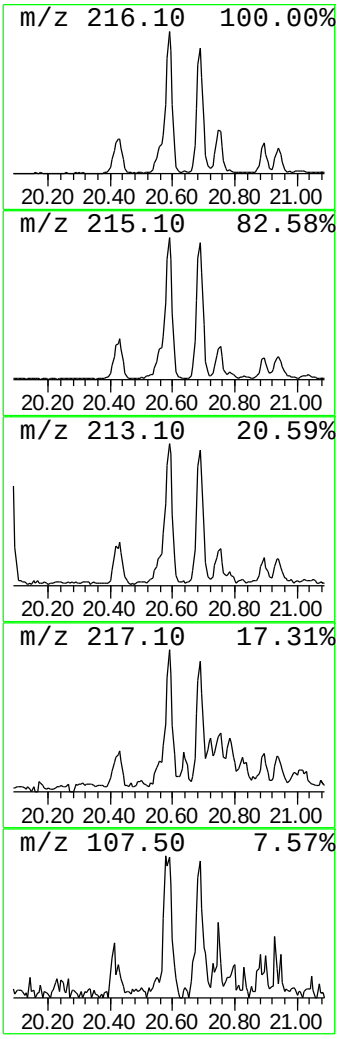
Peak Number 25 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.59	6.15 ng/ul	1133460	Chrysene-d12	22.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





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Acq On : 25 Aug 2017 3:22
Operator : SJ/JU
Sample : I4840-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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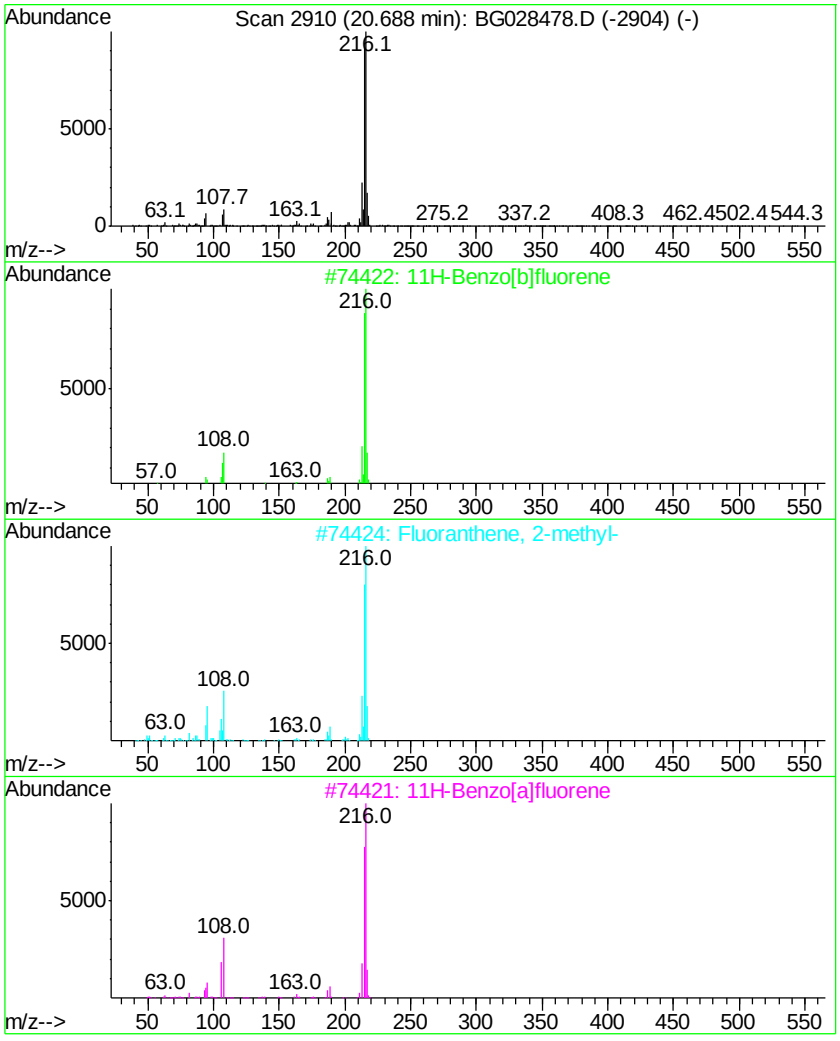
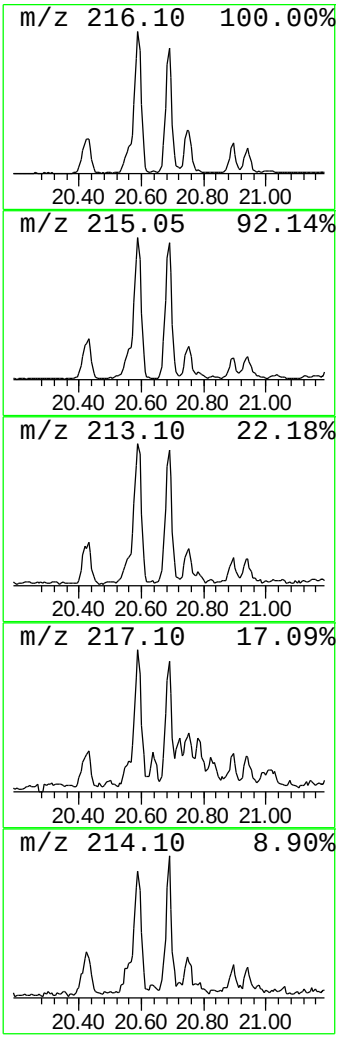
Peak Number 26 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.69	4.78 ng/ul	881356	Chrysene-d12	22.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83





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Sample : I4840-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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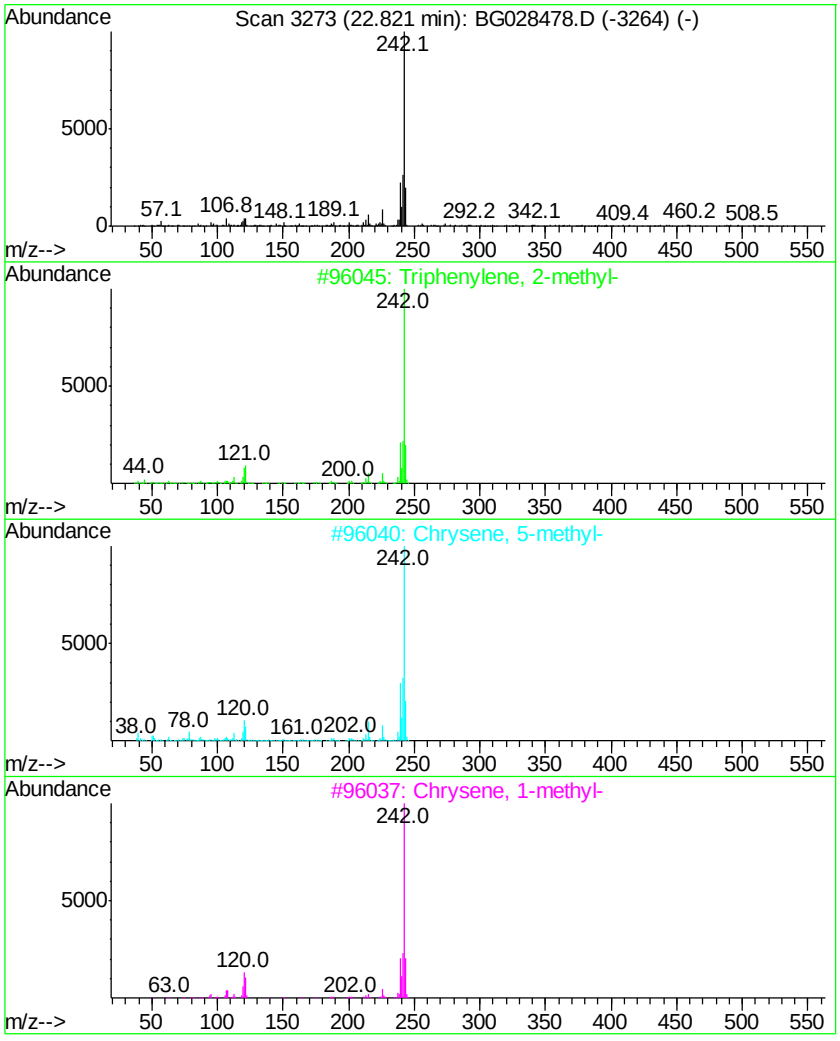
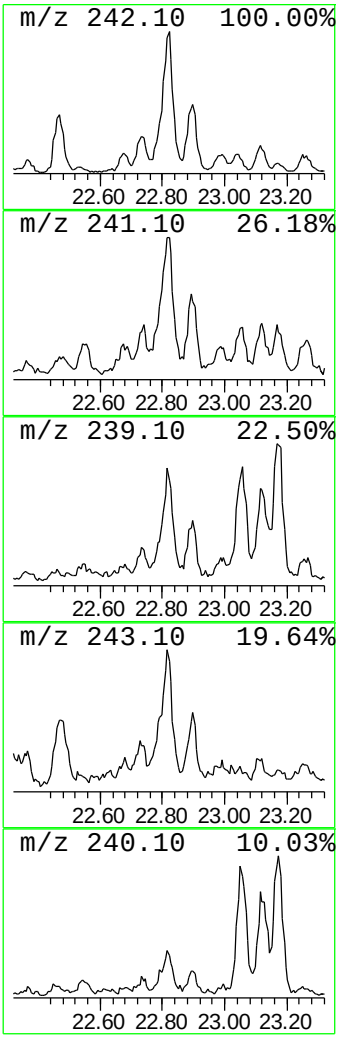
Peak Number 27 Triphenylene, 2-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.82	2.06 ng/ul	378965	Chrysene-d12	22.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
2	Chrysene, 5-methyl-	242	C19H14	003697-24-3	93
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
5	Chrysene, 6-methyl-	242	C19H14	001705-85-7	90





Tentatively Identified Compound (LSC) summary

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Data File : BG028478.D
Acq On : 25 Aug 2017 3:22
Operator : SJ/JU
Sample : I4840-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AK9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.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
1,4-Methanonaphth...	13.01	3.3	ng/ul	72290	2	11.16	442325	20.0
Naphthalene, 1,6-...	14.27	2.1	ng/ul	69275	3	14.95	668709	20.0
Benzene, [1-(2,4-...	15.25	2.1	ng/ul	69671	3	14.95	668709	20.0
1-Isopropenylnaph...	16.12	2.1	ng/ul	68742	3	14.95	668709	20.0
Benzene, 1,1'-(ch...	16.15	3.7	ng/ul	122357	3	14.95	668709	20.0
9H-Fluoren-9-ol	16.28	4.0	ng/ul	134096	3	14.95	668709	20.0
6H-Dibenzo[b,d]-p...	16.43	4.7	ng/ul	199094	4	17.70	841471	20.0
Stilbene, 4-amino...	16.63	2.2	ng/ul	91645	4	17.70	841471	20.0
9H-Fluorene, 3-me...	16.99	5.5	ng/ul	230374	4	17.70	841471	20.0
Anthracene, 1,2,3...	17.44	6.0	ng/ul	250284	4	17.70	841471	20.0
Naphtho[2,1-b]thi...	17.52	5.8	ng/ul	243522	4	17.70	841471	20.0
Acridine	17.89	2.7	ng/ul	112924	4	17.70	841471	20.0
Phenanthrene, 1-m...	18.57	15.5	ng/ul	651709	4	17.70	841471	20.0
Phenanthrene, 2-m...	18.62	15.6	ng/ul	656898	4	17.70	841471	20.0
Anthracene, 1-met...	18.70	5.7	ng/ul	241230	4	17.70	841471	20.0
4H-Cyclopenta[def...	18.77	24.1	ng/ul	1012110	4	17.70	841471	20.0
Tricyclo[8.2.2.2(...	19.05	7.0	ng/ul	295874	4	17.70	841471	20.0
9,10-Anthracenedione	19.11	2.8	ng/ul	118816	4	17.70	841471	20.0
Phenanthrene, 4,5...	19.30	3.5	ng/ul	146399	4	17.70	841471	20.0
Phenanthrene, 3,6...	19.47	5.9	ng/ul	248305	4	17.70	841471	20.0
unknown-01	19.54	4.7	ng/ul	199615	4	17.70	841471	20.0
9,10-Dimethylanth...	19.61	3.2	ng/ul	136505	4	17.70	841471	20.0
Octadecanoic acid	19.80	2.2	ng/ul	92068	4	17.70	841471	20.0
Pyrene, 1-methyl-	20.42	2.7	ng/ul	491178	5	22.03	3688020	20.0
11H-Benzo[b]fluorene	20.59	6.2	ng/ul	1133460	5	22.03	3688020	20.0
Fluoranthene, 2-m...	20.69	4.8	ng/ul	881356	5	22.03	3688020	20.0
Triphenylene, 2-m...	22.82	2.1	ng/ul	378965	5	22.03	3688020	20.0