LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\
Data File : BG028429.D
Acq On : 22 Aug 2017 22:37
Operator : SJ/JU
Sample : I4713-08 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GB8

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	7.500	658	666	674	rBV3	30426	69636	1.95%	0.205%
2	7.659	687	693	700	rBV	21835	33902	0.95%	0.100%
3	7.876	721	730	737	rBV3	28533	54456	1.52%	0.160%
4	8.346	803	810	819	rVB	143132	257727	7.21%	0.758%
5	9.045	921	929	938	rBV2	34923	69327	1.94%	0.204%
6	9.515	1001	1009	1020	rBV4	29636	86642	2.42%	0.255%
7	10.238	1124	1132	1139	rVB4	27982	56247	1.57%	0.165%
8	10.784	1218	1225	1232	rVV3	42500	83813	2.34%	0.247%
9	11.090	1270	1277	1282	rBV4	17706	31298	0.88%	0.092%
10	11.161	1282	1289	1295	rVV	238525	443033	12.39%	1.303%
11	11.213	1295	1298	1304	rVB	45985	76953	2.15%	0.226%
12	11.302	1304	1313	1321	rBV9	17531	48606	1.36%	0.143%
13	12.518	1514	1520	1528	rBV3	27201	46216	1.29%	0.136%
14	12.794	1561	1567	1575	rVB	117293	195682	5.47%	0.576%
15	13.011	1597	1604	1611	rVV	50591	96079	2.69%	0.283%
16	13.740	1722	1728	1732	rBV2	37769	59198	1.66%	0.174%
17	13.981	1763	1769	1778	rVB	31918	60579	1.69%	0.178%
18	14.128	1781	1794	1800	rBV4	52898	141879	3.97%	0.417%
19	14.269	1811	1818	1823	rBV2	58563	109705	3.07%	0.323%
20	14.333	1823	1829	1834	rVV2	109161	219672	6.14%	0.646%
21	14.386	1834	1838	1844	rVB2	64401	100794	2.82%	0.297%
22	14.504	1852	1858	1862	rBV3	38123	58096	1.62%	0.171%
23	14.645	1875	1882	1897	rBV2	91947	219606	6.14%	0.646%
24	14.803	1901	1909	1916	rVB2	47976	71435	2.00%	0.210%
25	14.950	1922	1934	1943	rBV2	395198	739257	20.67%	2.175%
26	15.021	1943	1946	1951	rVB4	21679	32157	0.90%	0.095%
27	15.150	1960	1968	1977	rBV5	37098	119940	3.35%	0.353%
28	15.238	1977	1983	1990	rVB7	15915	36200	1.01%	0.107%
29	15.344	1993	2001	2006	rVB2	57132	115631	3.23%	0.340%
30	15.414	2007	2013	2020	rVB	40599	57530	1.61%	0.169%
31	15.555	2032	2037	2042	rBV3	33064	57303	1.60%	0.169%
32	15.608	2042	2046	2056	rVB2	35719	58413	1.63%	0.172%
33	15.749	2057	2070	2078	rVB3	75877	181866	5.08%	0.535%
34	15.855	2078	2088	2092	rBV10	11324	31360	0.88%	0.092%

LSC Area Percent Report

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Acq On : 22 Aug 2017 22:37
Operator : SJ/JU
Sample : I4713-08 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GB8

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	15.937	2097	2102	2106	rBV	118125	179721	5.02%	0.529%
36	15.984	2106	2110	2119	rVB8	38403	80583	2.25%	0.237%
37	16.061	2120	2123	2129	rVB4	22572	36135	1.01%	0.106%
38	16.155	2135	2139	2143	rVV3	25935	36716	1.03%	0.108%
39	16.208	2143	2148	2151	rVB6	16442	31737	0.89%	0.093%
40	16.284	2152	2161	2168	rVB4	47791	105630	2.95%	0.311%
41	16.431	2182	2186	2194	rVB2	41291	78297	2.19%	0.230%
42	16.636	2212	2221	2234	rBV3	136833	337040	9.42%	0.992%
43	17.001	2273	2283	2288	rBV10	38755	97193	2.72%	0.286%
44	17.048	2288	2291	2297	rVB4	24542	42964	1.20%	0.126%
45	17.224	2312	2321	2325	rBV6	75075	167602	4.69%	0.493%
46	17.259	2325	2327	2337	rVB	50526	104016	2.91%	0.306%
47	17.353	2337	2343	2348	rBV5	76718	145394	4.06%	0.428%
48	17.406	2348	2352	2366	rVV2	108828	236777	6.62%	0.697%
49	17.518	2366	2371	2377	rVV	41543	67482	1.89%	0.199%
50	17.700	2395	2402	2406	rBV2	497993	840637	23.50%	2.473%
51	17.741	2406	2409	2415	rVB	618580	902923	25.24%	2.657%
52	17.800	2415	2419	2422	rBV	127406	175956	4.92%	0.518%
53	18.017	2453	2456	2462	rVB6	36870	55903	1.56%	0.164%
54	18.105	2463	2471	2474	rBV3	77276	182838	5.11%	0.538%
55	18.146	2475	2478	2486	rVB2	115074	173172	4.84%	0.509%
56	18.211	2486	2489	2495	rBV3	33677	49926	1.40%	0.147%
57	18.282	2496	2501	2513	rVB5	69300	152017	4.25%	0.447%
58	18.381	2515	2518	2521	rBV3	24876	38263	1.07%	0.113%
59	18.423	2521	2525	2533	rVB6	43260	93688	2.62%	0.276%
60	18.569	2542	2550	2554	rVV	232448	408285	11.41%	1.201%
61	18.622	2554	2559	2564	rVB	315782	482098	13.48%	1.418%
62	18.699	2568	2572	2576	rVB2	54765	76856	2.15%	0.226%
63	18.763	2576	2583	2587	rBV3	207488	463599	12.96%	1.364%
64	19.057	2628	2633	2638	rBV	175550	268801	7.52%	0.791%
65	19.110	2638	2642	2650	rVB2	209146	322179	9.01%	0.948%
66	19.304	2671	2675	2679	rVB2	79077	107383	3.00%	0.316%
67	19.351	2679	2683	2686	rBV	107994	130258	3.64%	0.383%
68	19.392	2687	2690	2696	rVB	99264	133780	3.74%	0.394%
69	19.474	2696	2704	2708	rBV3	226943	519758	14.53%	1.529%
70	19.621	2723	2729	2737	rVB3	224062	405102	11.33%	1.192%
71	19.745	2741	2750	2755	rBV	2334966	3576815	100.00%	10.524%

LSC Area Percent Report

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Acq On : 22 Aug 2017 22:37
Operator : SJ/JU
Sample : I4713-08 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GB8

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	19.792	2756	2758	2761	rVV	65638	70566	1.97%	0.208%
73	19.833	2762	2765	2769	rVB4	89571	123713	3.46%	0.364%
74	19.933	2778	2782	2786	rBV2	76412	97050	2.71%	0.286%
75	20.068	2800	2805	2808	rBV2	535827	960429	26.85%	2.826%
76	20.109	2808	2812	2818	rVV	1889546	2708091	75.71%	7.968%
77	20.168	2818	2822	2827	rVB2	223504	323201	9.04%	0.951%
78	20.273	2836	2840	2845	rVB	167931	257382	7.20%	0.757%
79	20.338	2846	2851	2857	rVB3	90415	210080	5.87%	0.618%
80	20.426	2858	2866	2872	rBV4	254493	677941	18.95%	1.995%
81	20.550	2882	2887	2890	rBV3	233695	431705	12.07%	1.270%
82	20.585	2891	2893	2901	rVB2	293422	396005	11.07%	1.165%
83	20.685	2905	2910	2913	rBV2	172795	281815	7.88%	0.829%
84	20.749	2914	2921	2925	rVB2	244155	561819	15.71%	1.653%
85	20.896	2941	2946	2949	rBV	164195	266776	7.46%	0.785%
86	21.384	3024	3029	3038	rVB	411743	706603	19.76%	2.079%
87	21.589	3055	3064	3067	rBV4	202550	593096	16.58%	1.745%
88	21.683	3076	3080	3085	rBV2	168699	293903	8.22%	0.865%
89	21.748	3085	3091	3102	rVB	332178	679507	19.00%	1.999%
90	22.024	3130	3138	3144	rBV3	819095	2321453	64.90%	6.830%
91	22.083	3145	3148	3160	rVB	748414	1447191	40.46%	4.258%
92	22.253	3173	3177	3185	rBV6	74345	177900	4.97%	0.523%
93	22.471	3210	3214	3220	rVB5	82477	151960	4.25%	0.447%
94	22.530	3222	3224	3230	rBV6	46600	76726	2.15%	0.226%
95	22.817	3269	3273	3280	rVB3	162677	340506	9.52%	1.002%
96	22.906	3282	3288	3297	rVB4	134335	353906	9.89%	1.041%
97	24.427	3537	3547	3567	rVB3	458851	2219723	62.06%	6.531%
98	25.221	3674	3682	3689	rBV	174847	475760	13.30%	1.400%
99	25.373	3701	3708	3719	rVB	200814	595554	16.65%	1.752%
100	25.544	3728	3737	3746	rVB	261849	760584	21.26%	2.238%

Sum of corrected areas: 33988707

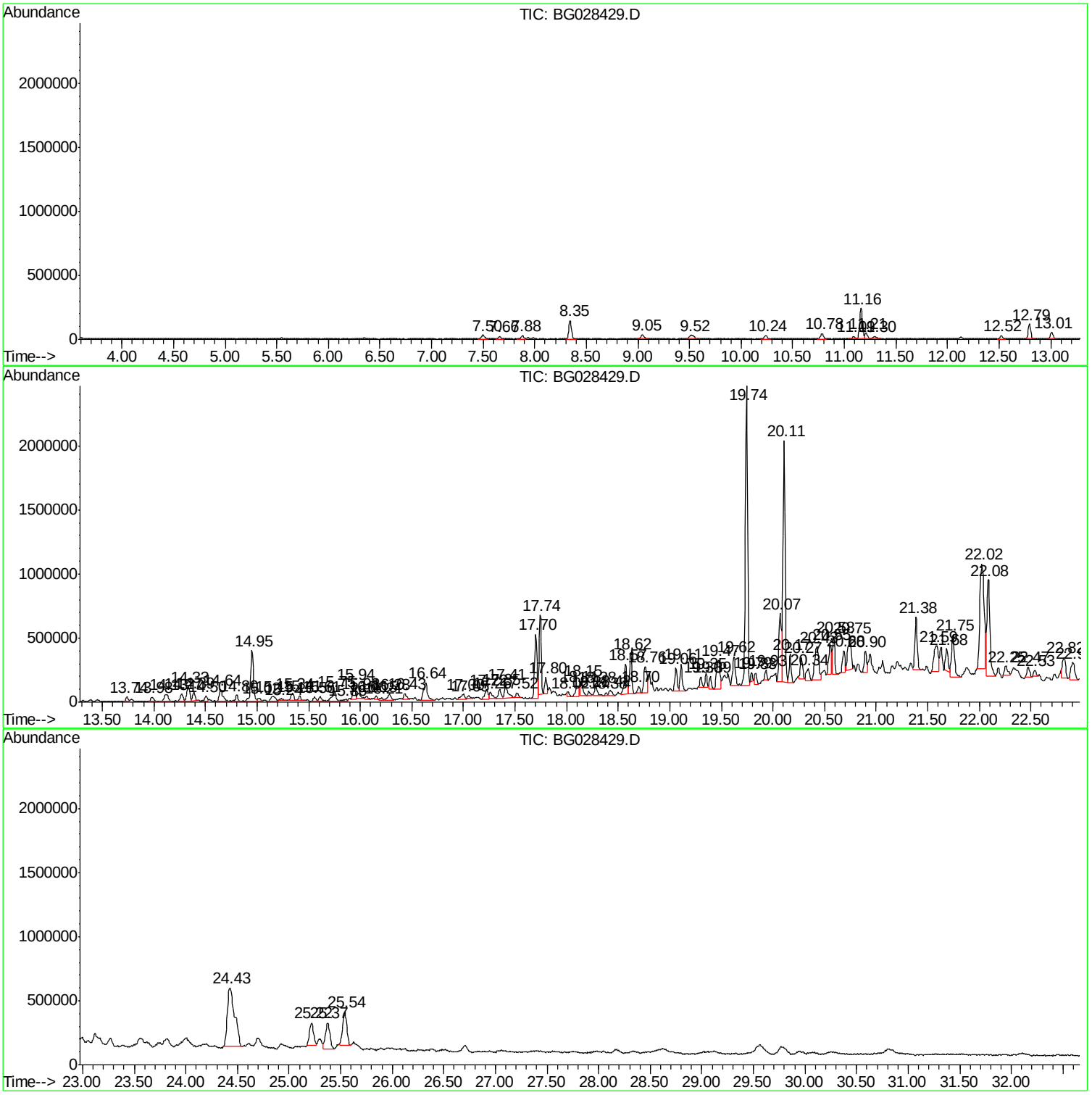
LSC Report - Integrated Chromatogram

Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\
Data File : BG028429.D
Acq On : 22 Aug 2017 22:37
Operator : SJ/JU
Sample : I4713-08 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GB8

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



Library Search Compound Report

Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\
Data File : BG028429.D
Acq On : 22 Aug 2017 22:37
Operator : SJ/JU
Sample : I4713-08 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GB8

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

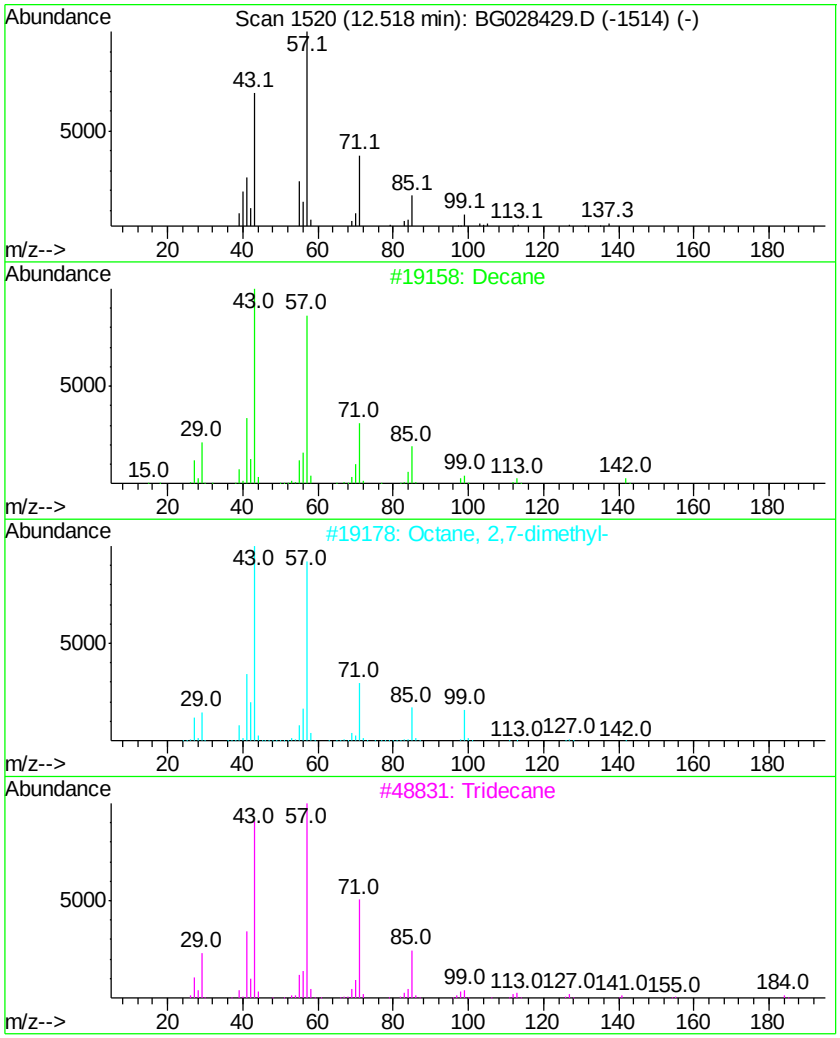
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

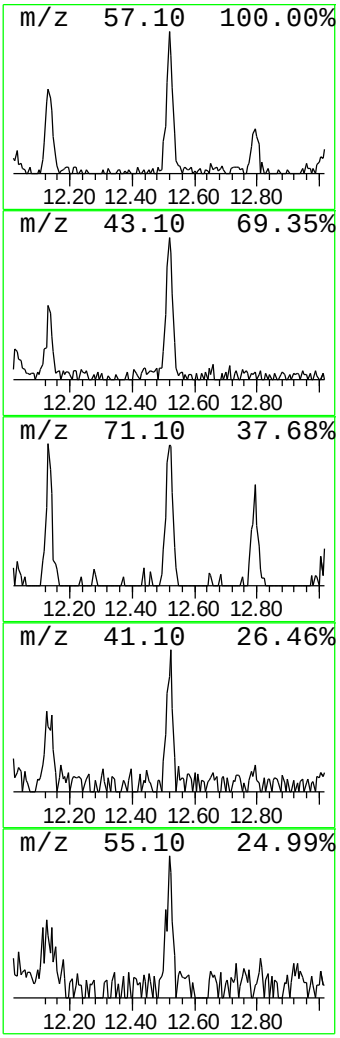
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	2.09 ng/ul	46216	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	72
2	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	64
3	Tridecane	184	C13H28	000629-50-5	64
4	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	59
5	Undecane	156	C11H24	001120-21-4	59





Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\
Data File : BG028429.D
Acq On : 22 Aug 2017 22:37
Operator : SJ/JU
Sample : I4713-08 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GB8

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

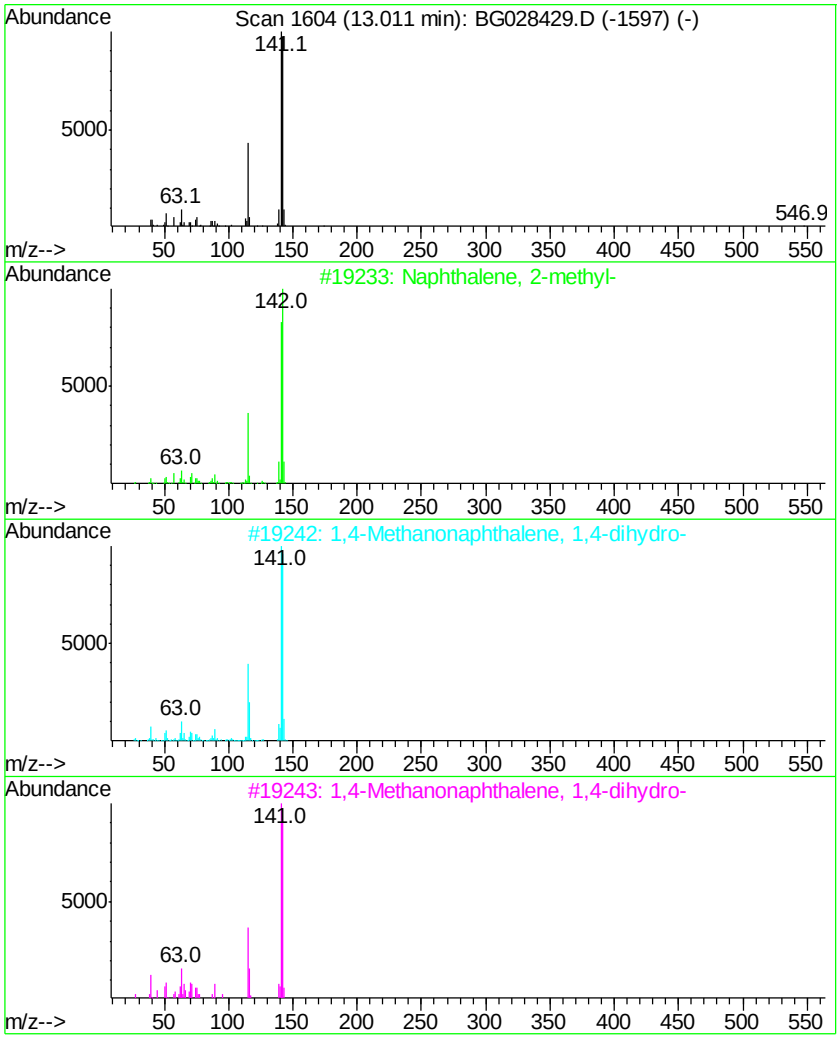
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

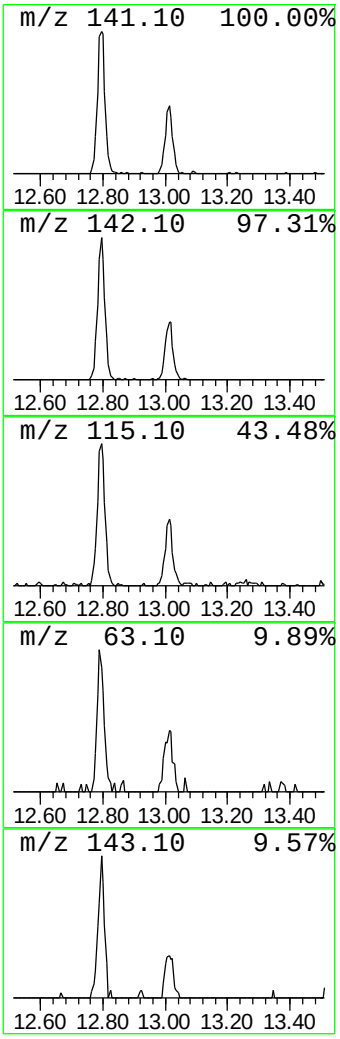
****

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	4.34 ng/ul	96079	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
2	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	90
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	86
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	86
5	Benzocycloheptatriene	142	C11H10	000264-09-5	83





Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\
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Acq On : 22 Aug 2017 22:37
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Sample : I4713-08 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GB8

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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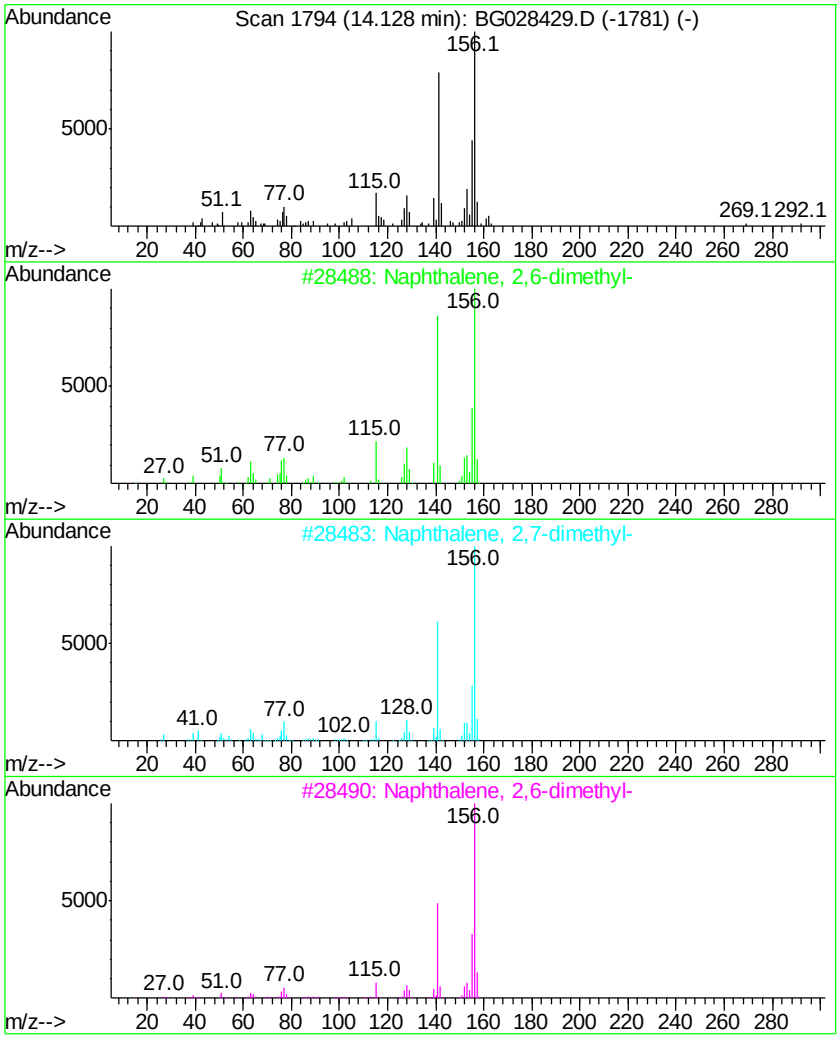
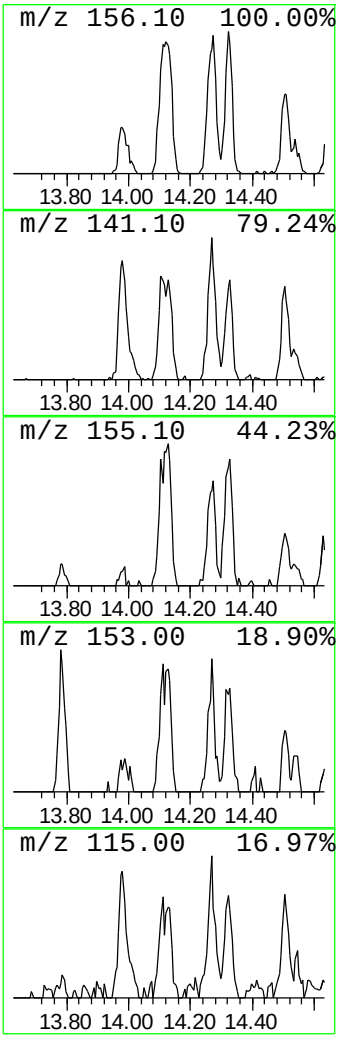
Peak Number 3 Naphthalene, 2,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	3.84 ng/ul	141879	Acenaphthene-d10	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94





Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\
Data File : BG028429.D
Acq On : 22 Aug 2017 22:37
Operator : SJ/JU
Sample : I4713-08 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GB8

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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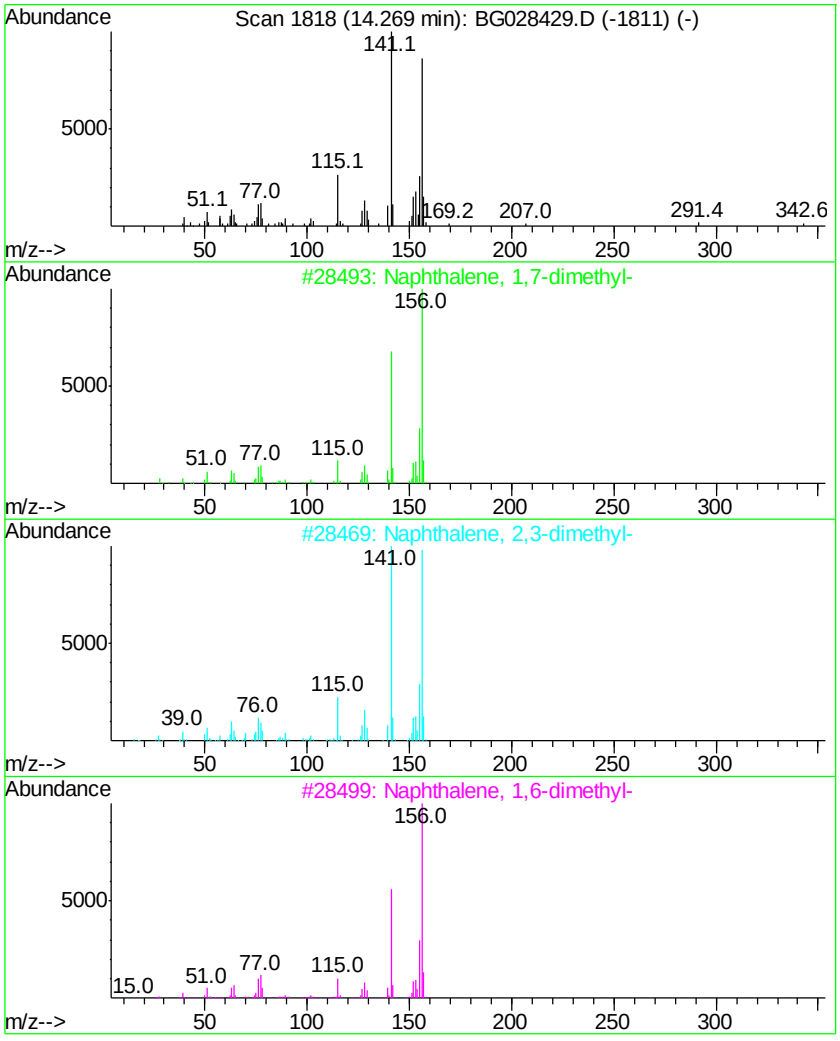
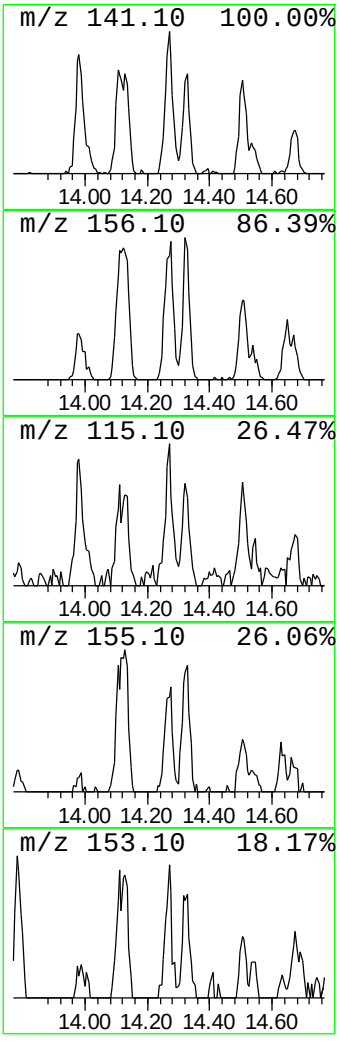
Peak Number 4 Naphthalene, 1,7-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	2.97 ng/ul	109705	Acenaphthene-d10	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\
Data File : BG028429.D
Acq On : 22 Aug 2017 22:37
Operator : SJ/JU
Sample : I4713-08 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GB8

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

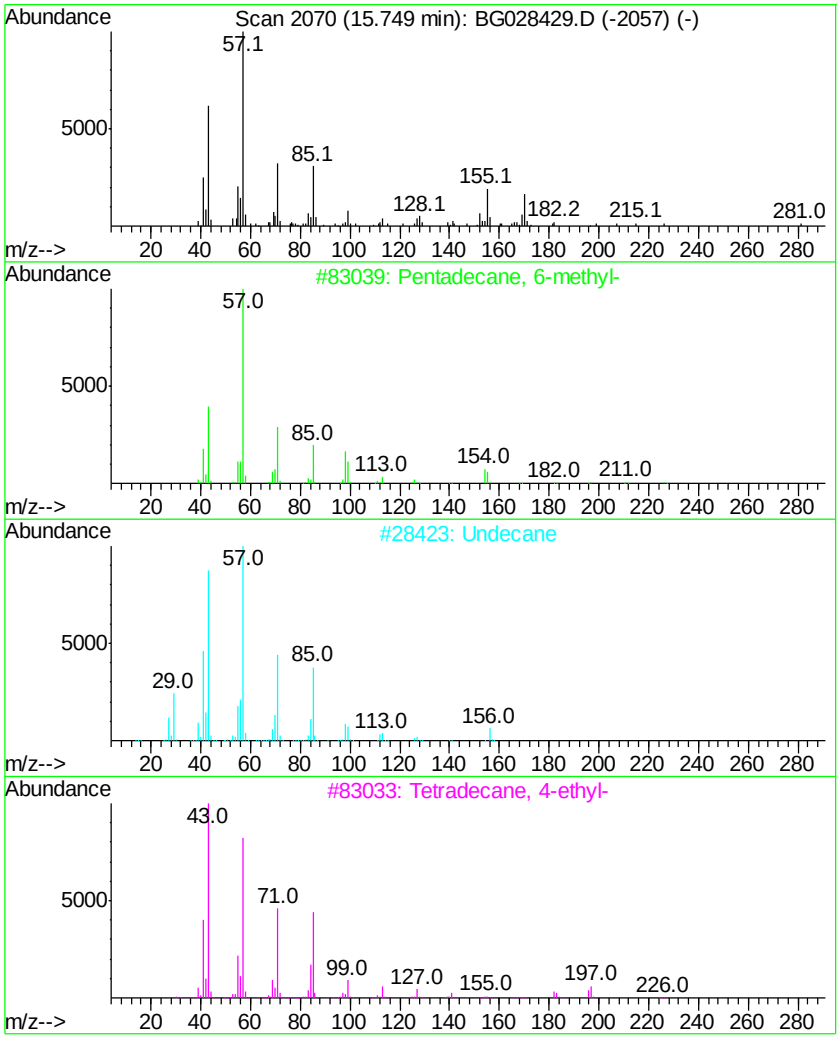
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

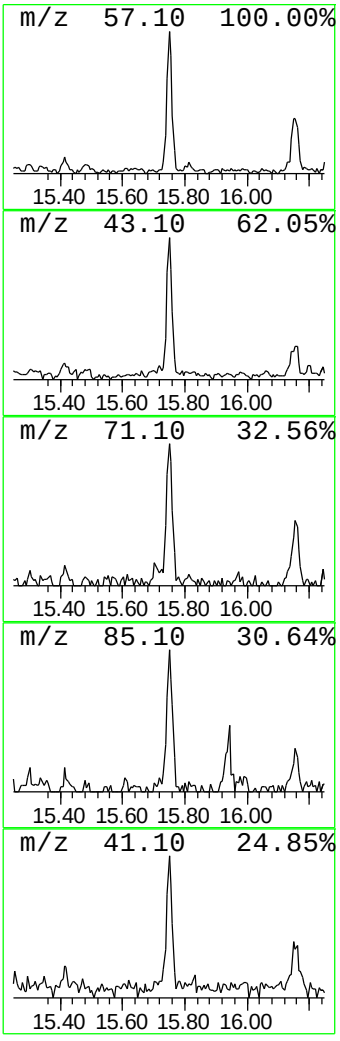
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.75	4.92 ng/ul	181866	Acenaphthene-d10	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 6-methyl-	226	C16H34	010105-38-1	46
2	Undecane	156	C11H24	001120-21-4	41
3	Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	38
4	Octacosane	394	C28H58	000630-02-4	38
5	Sydnone, 3-(3,3-dimethylbutyl)-	170	C8H14N2O2	026537-49-5	35





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Data File : BG028429.D
Acq On : 22 Aug 2017 22:37
Operator : SJ/JU
Sample : I4713-08 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GB8

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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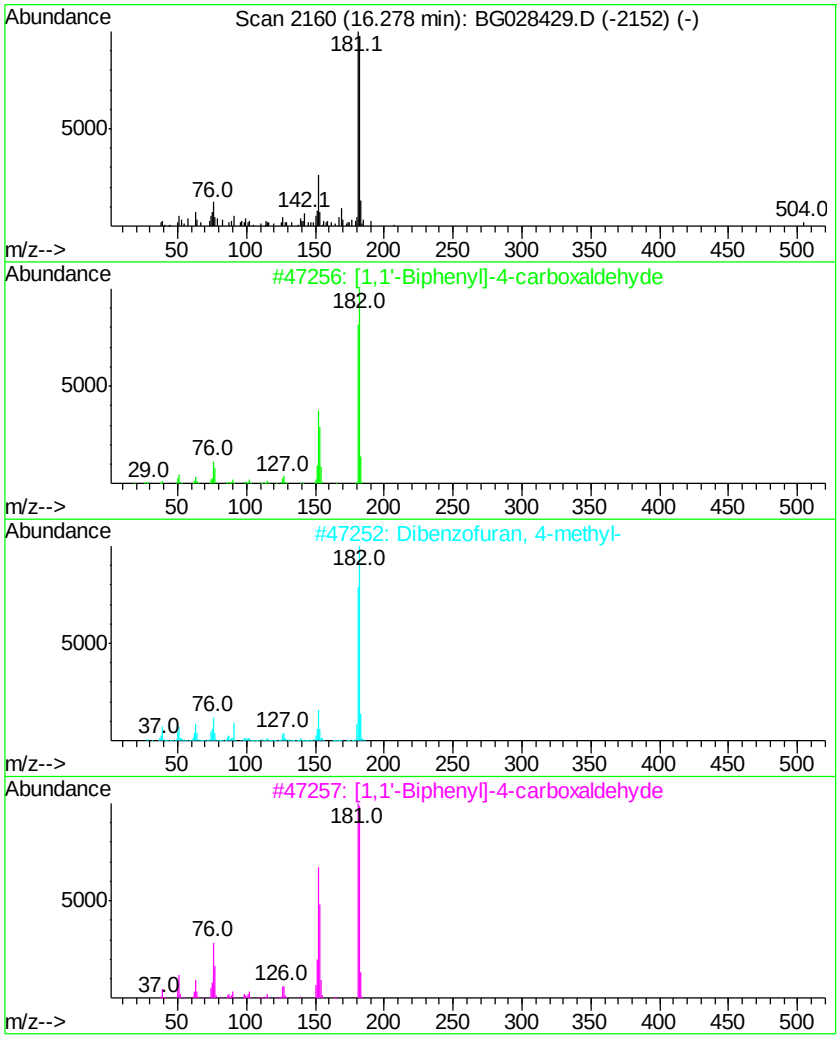
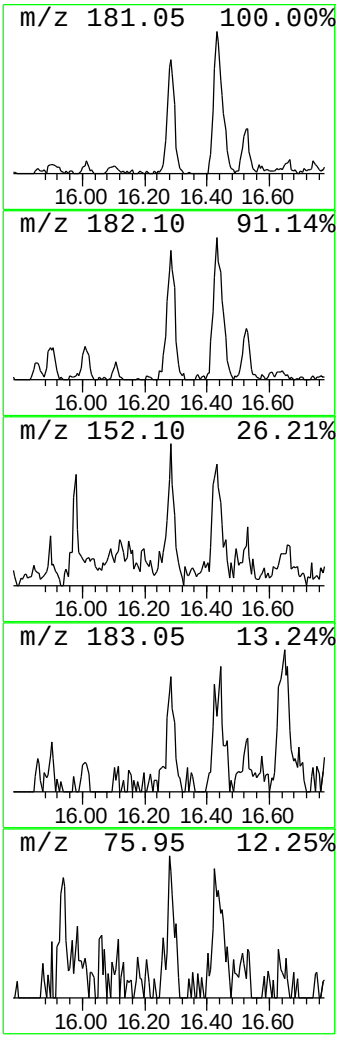
Peak Number 6 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	2.86 ng/ul	105630	Acenaphthene-d10	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83





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Data File : BG028429.D
Acq On : 22 Aug 2017 22:37
Operator : SJ/JU
Sample : I4713-08 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GB8

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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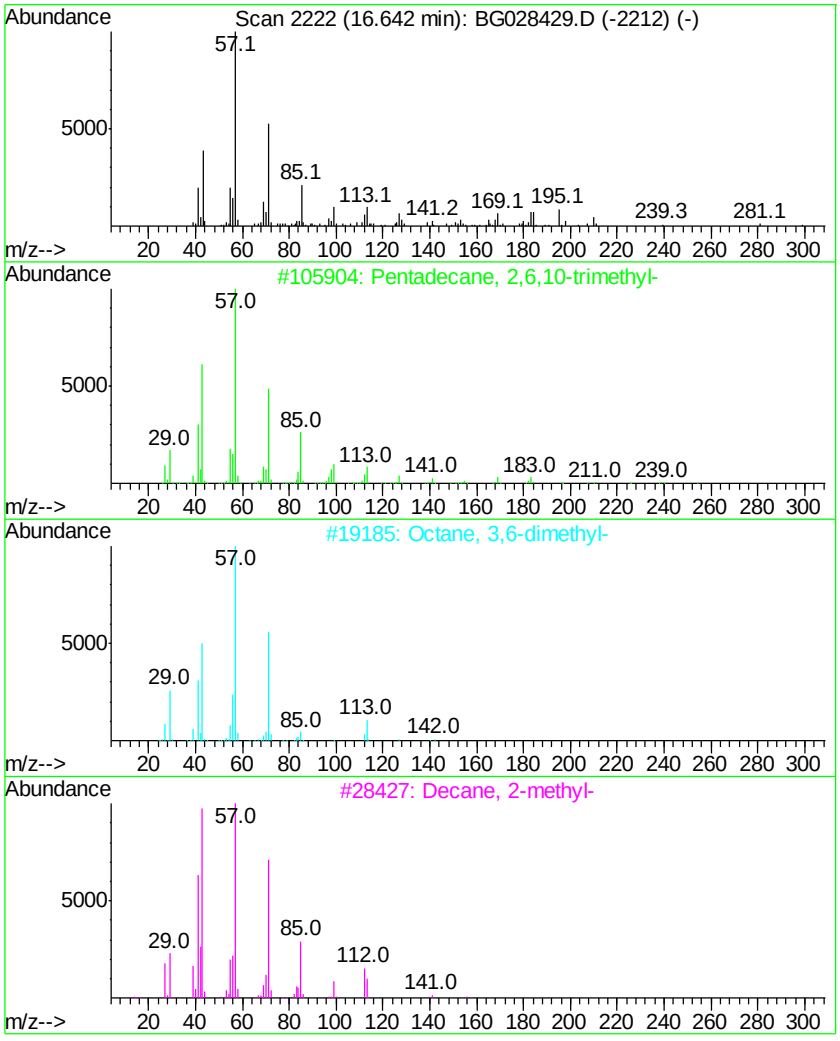
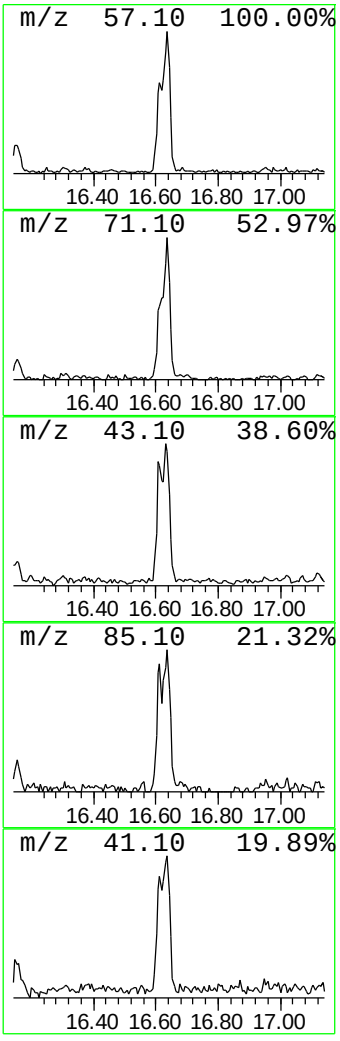
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	8.02 ng/ul	337040	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	72
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	70
3	Decane, 2-methyl-	156	C11H24	006975-98-0	64
4	Bacchotricuneatin c	342	C20H22O5	066563-30-2	64
5	Tridecane, 2-methyl-	198	C14H30	001560-96-9	58





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Acq On : 22 Aug 2017 22:37
Operator : SJ/JU
Sample : I4713-08 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GB8

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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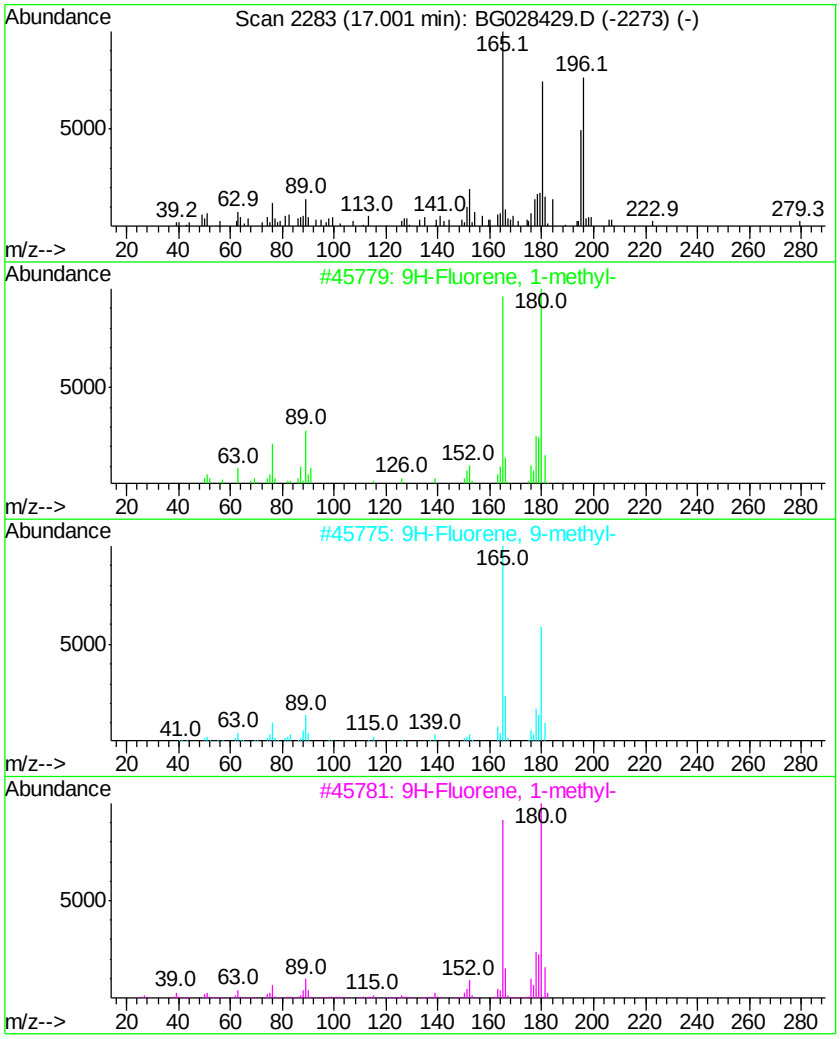
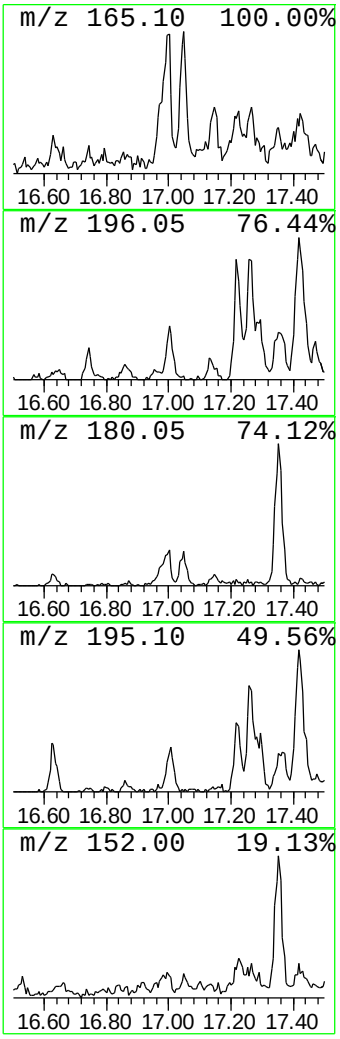
Peak Number 8 9H-Fluorene, 1-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	2.31 ng/ul	97193	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	83
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	45
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	45
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	43
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	42





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Acq On : 22 Aug 2017 22:37
Operator : SJ/JU
Sample : I4713-08 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GB8

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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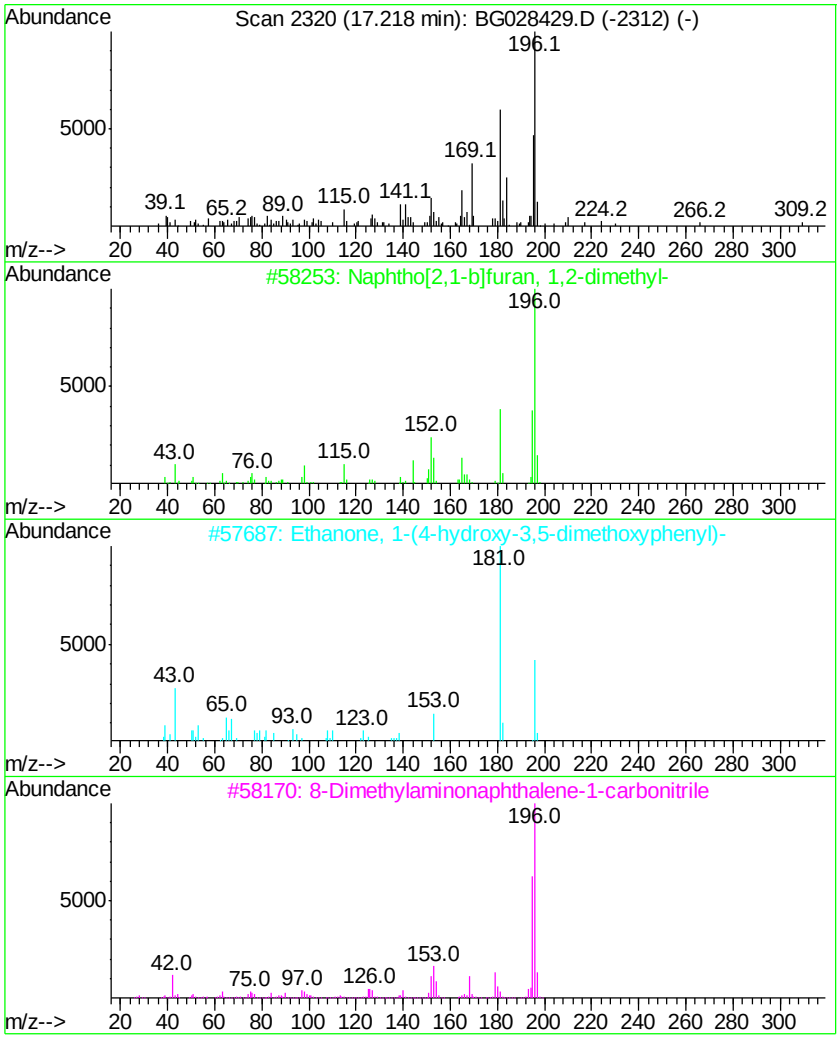
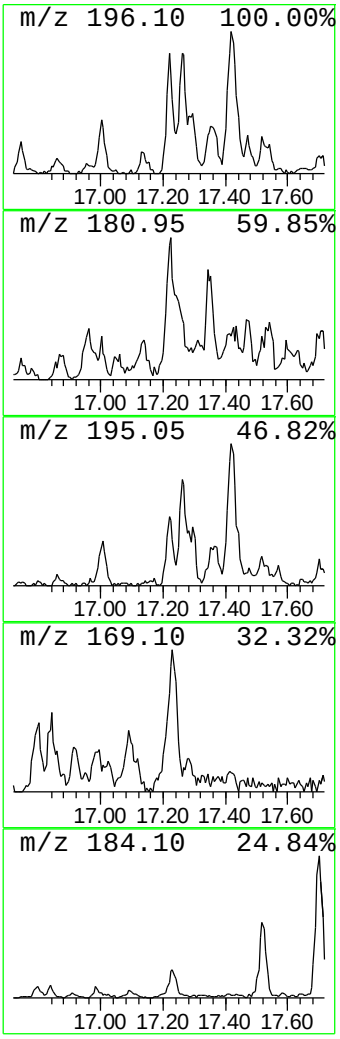
Peak Number 9 Naphtho[2,1-b]furan, 1,2-di... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.22	3.99 ng/ul	167602	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	83
2	Ethanone, 1-(4-hydroxy-3,5-dimet...	196	C10H12O4	002478-38-8	38
3	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	38
4	8-Methyl-4-azafluorene	181	C13H11N	064292-00-8	35
5	(1,1'-Biphenyl)-2,2'-dicarboxald...	210	C14H10O2	001210-05-5	35





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Acq On : 22 Aug 2017 22:37
Operator : SJ/JU
Sample : I4713-08 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GB8

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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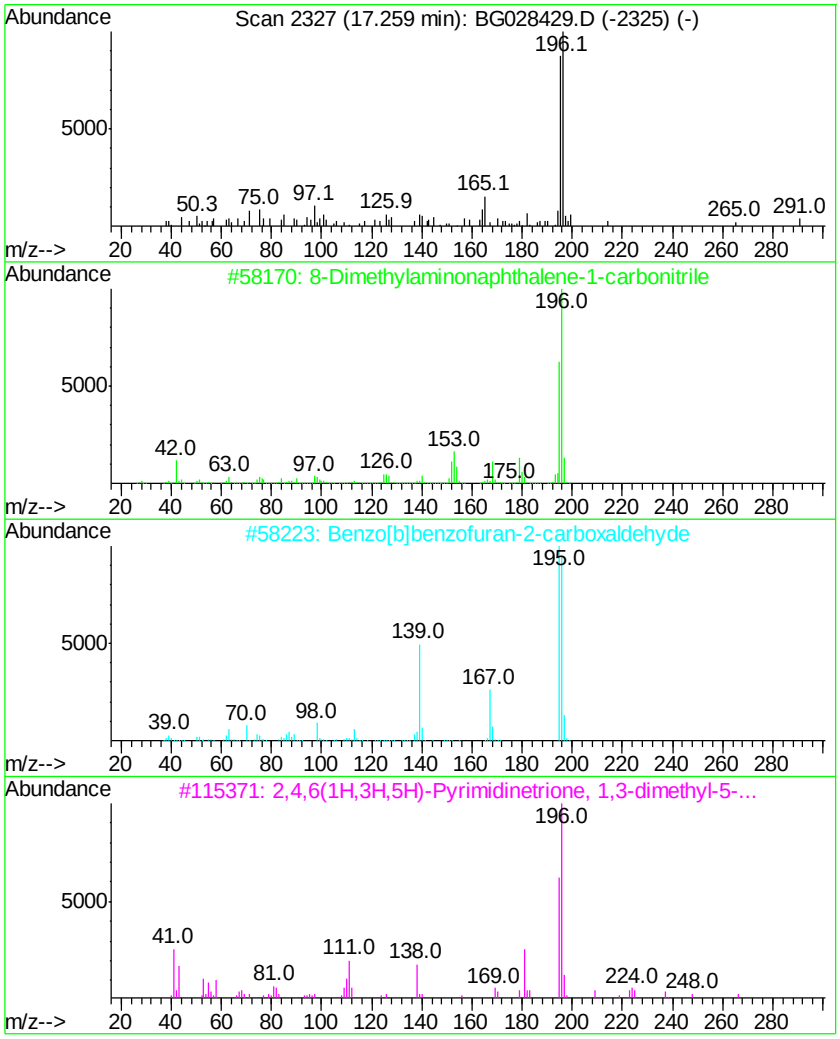
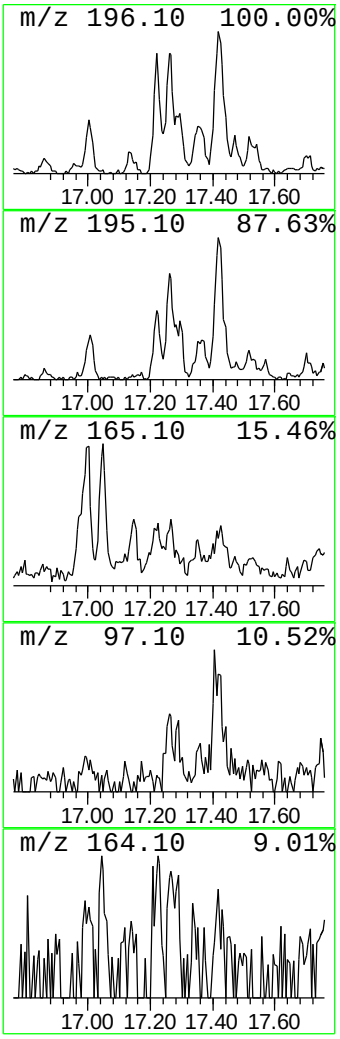
Peak Number 10 8-Dimethylaminonaphthalene-... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	2.47 ng/ul	104016	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	72
2	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	59
3	2,4,6(1H,3H,5H)-Pyrimidinetrione...	266	C14H22N2O3	028239-49-8	38
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	37
5	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	37





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Acq On : 22 Aug 2017 22:37
Operator : SJ/JU
Sample : I4713-08 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GB8

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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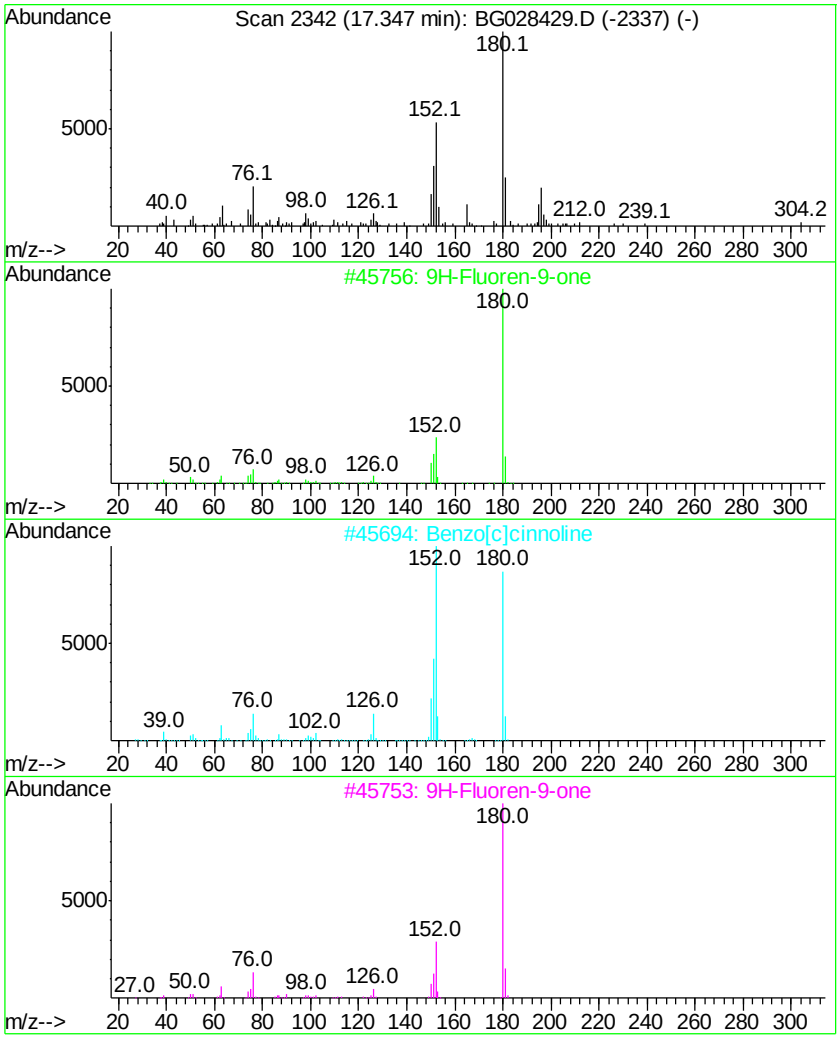
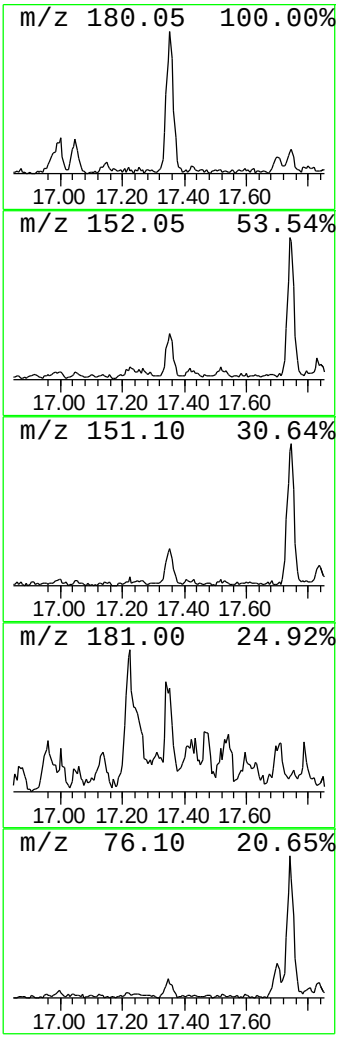
Peak Number 11 9H-Fluoren-9-one Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.35	3.46 ng/ul	145394	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	89
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	81
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	81
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	76
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	72





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Acq On : 22 Aug 2017 22:37
Operator : SJ/JU
Sample : I4713-08 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GB8

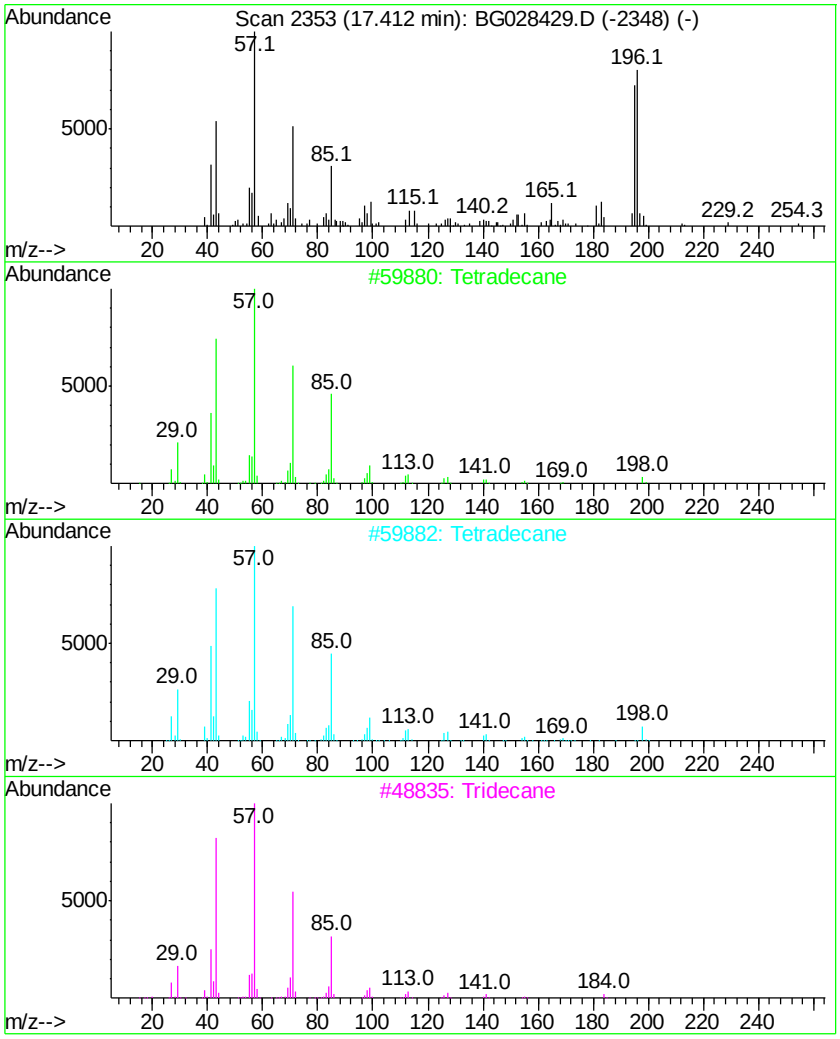
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

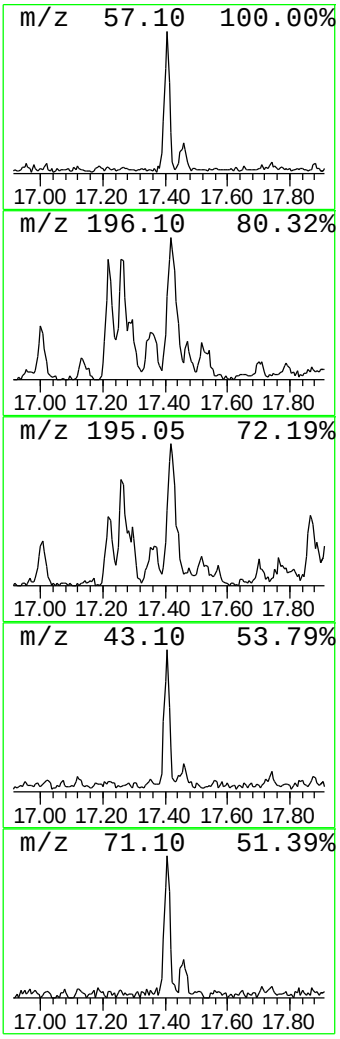
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.41	5.63 ng/ul	236777	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	95
2	Tetradecane	198	C14H30	000629-59-4	55
3	Tridecane	184	C13H28	000629-50-5	55
4	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	50
5	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	49





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Operator : SJ/JU
Sample : I4713-08 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GB8

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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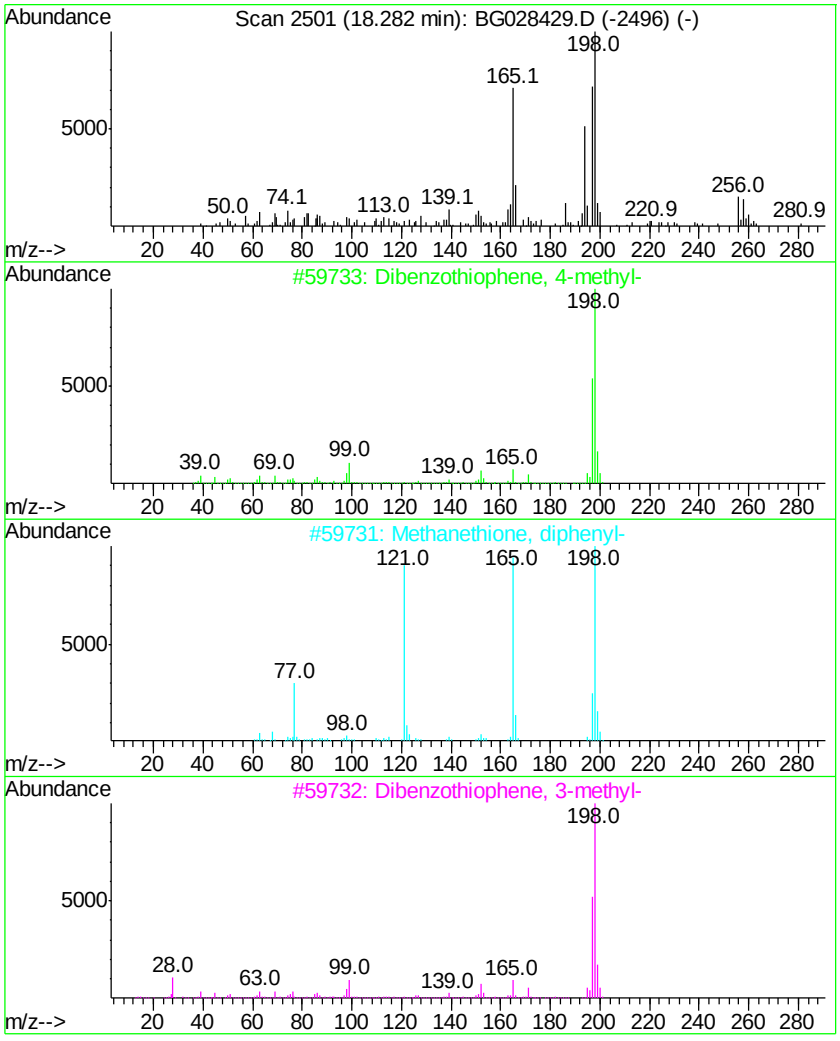
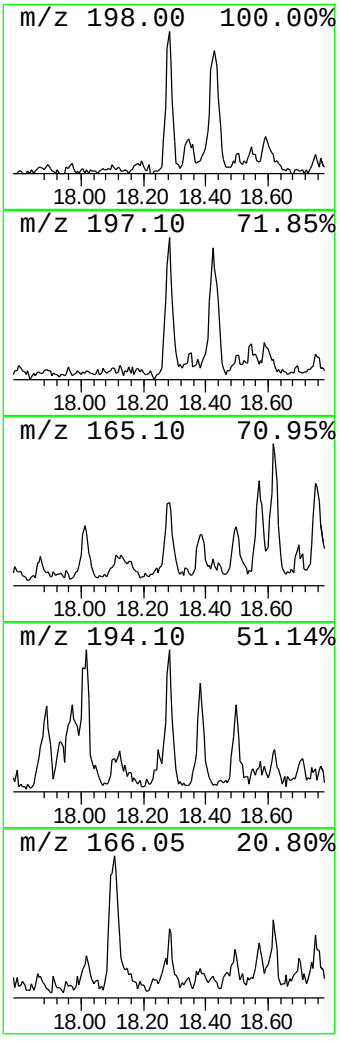
Peak Number 13 unknown-01 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	3.62 ng/ul	152017	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	49
2	Methanethione, diphenyl-	198	C13H10S	001450-31-3	46
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	46
4	Tacrine	198	C13H14N2	000321-64-2	43
5	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	43





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Operator : SJ/JU
Sample : I4713-08 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GB8

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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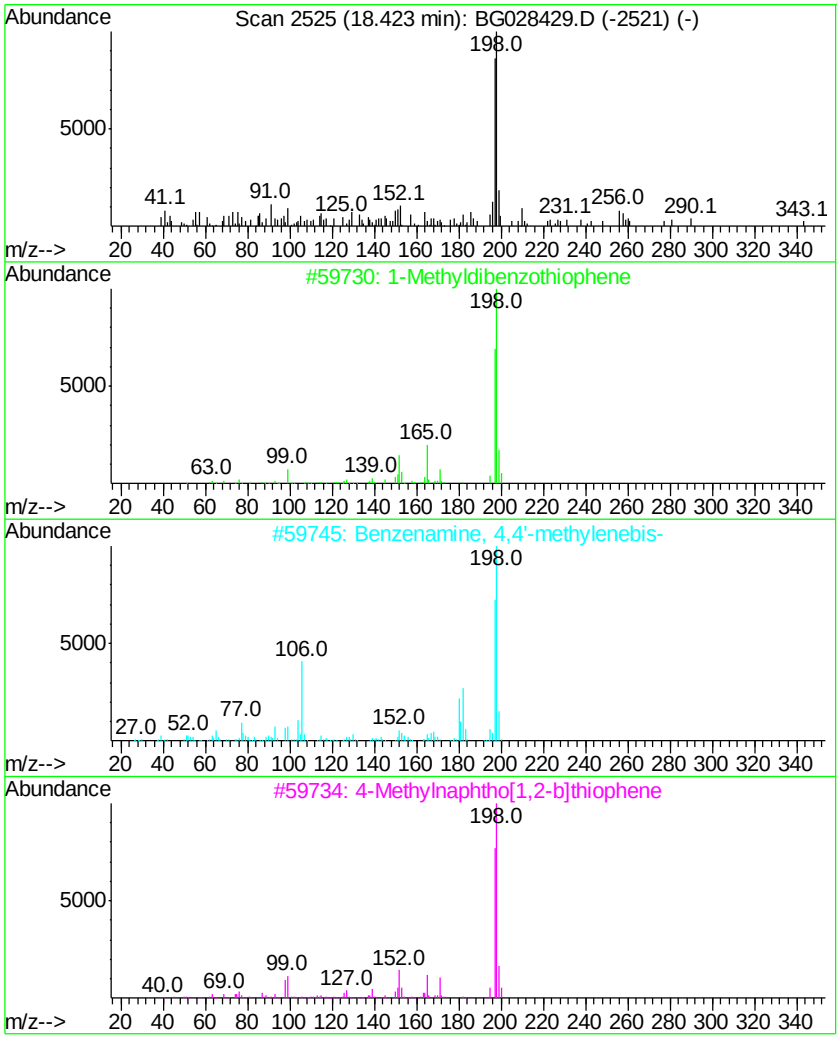
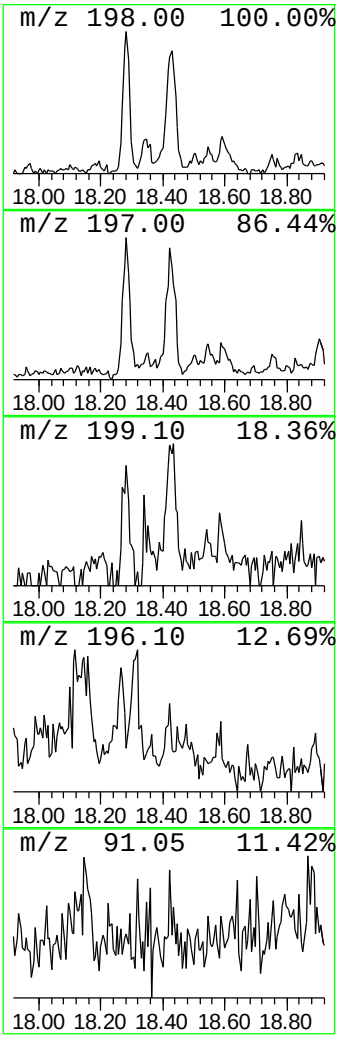
Peak Number 14 1-Methyldibenzothiophene Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	2.23 ng/ul	93688	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	76
2	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72
3	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	68
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64
5	2-p-Tolylamino-cyclopent-1-eneca...	198	C13H14N2	1000300-56-0	64





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Sample : I4713-08 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GB8

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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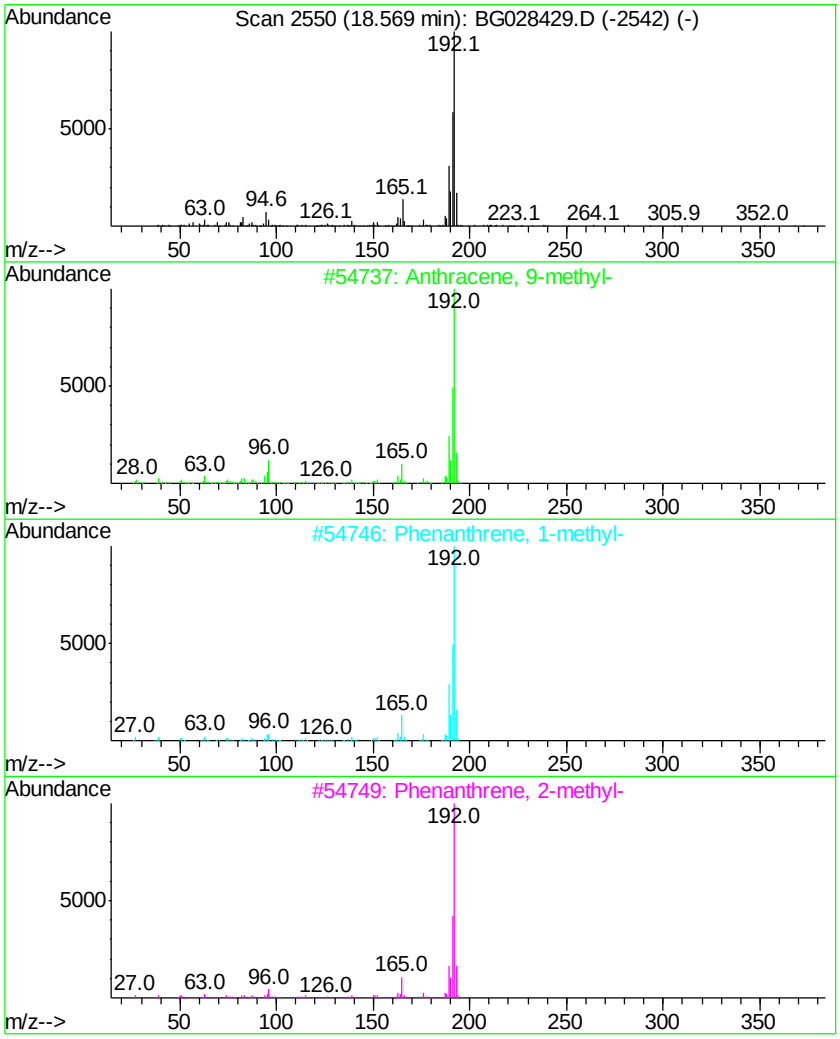
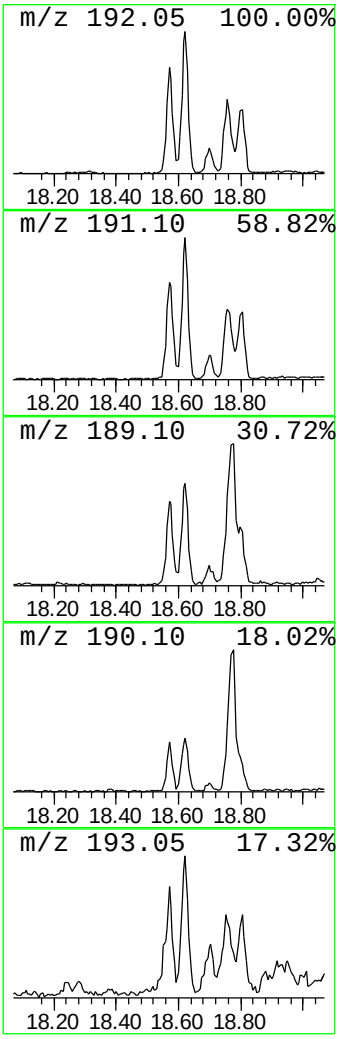
Peak Number 15 Anthracene, 9-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	9.71 ng/ul	408285	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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Acq On : 22 Aug 2017 22:37
Operator : SJ/JU
Sample : I4713-08 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GB8

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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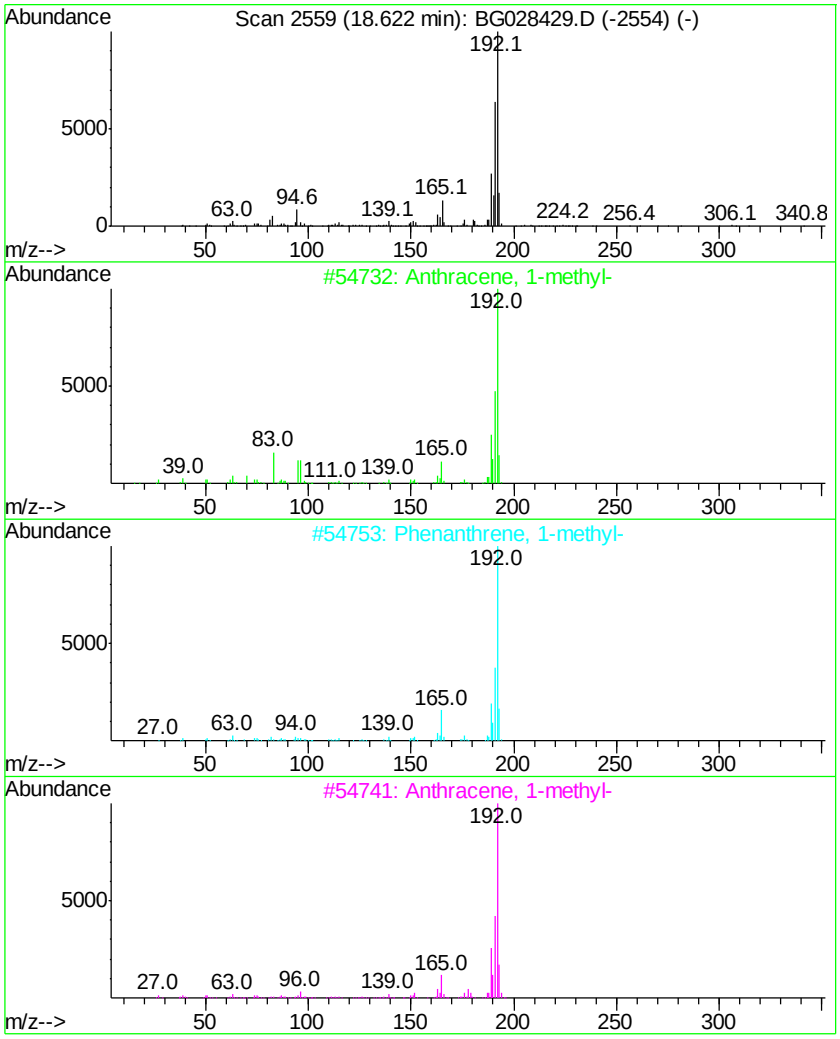
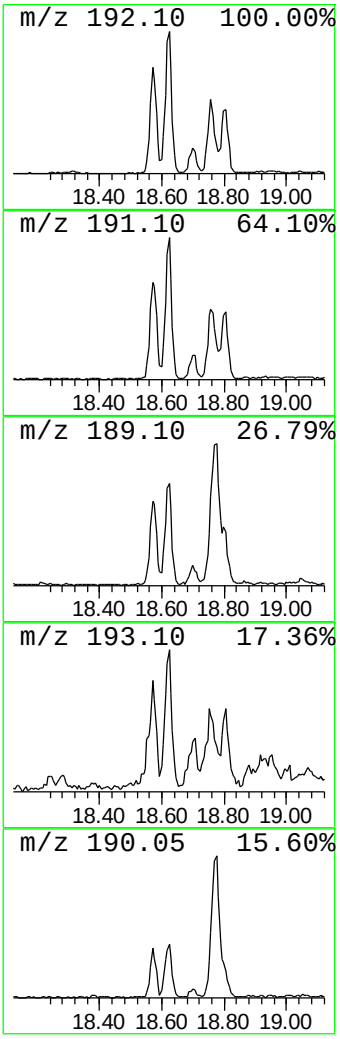
Peak Number 16 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	11.47 ng/ul	482098	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\
Data File : BG028429.D
Acq On : 22 Aug 2017 22:37
Operator : SJ/JU
Sample : I4713-08 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GB8

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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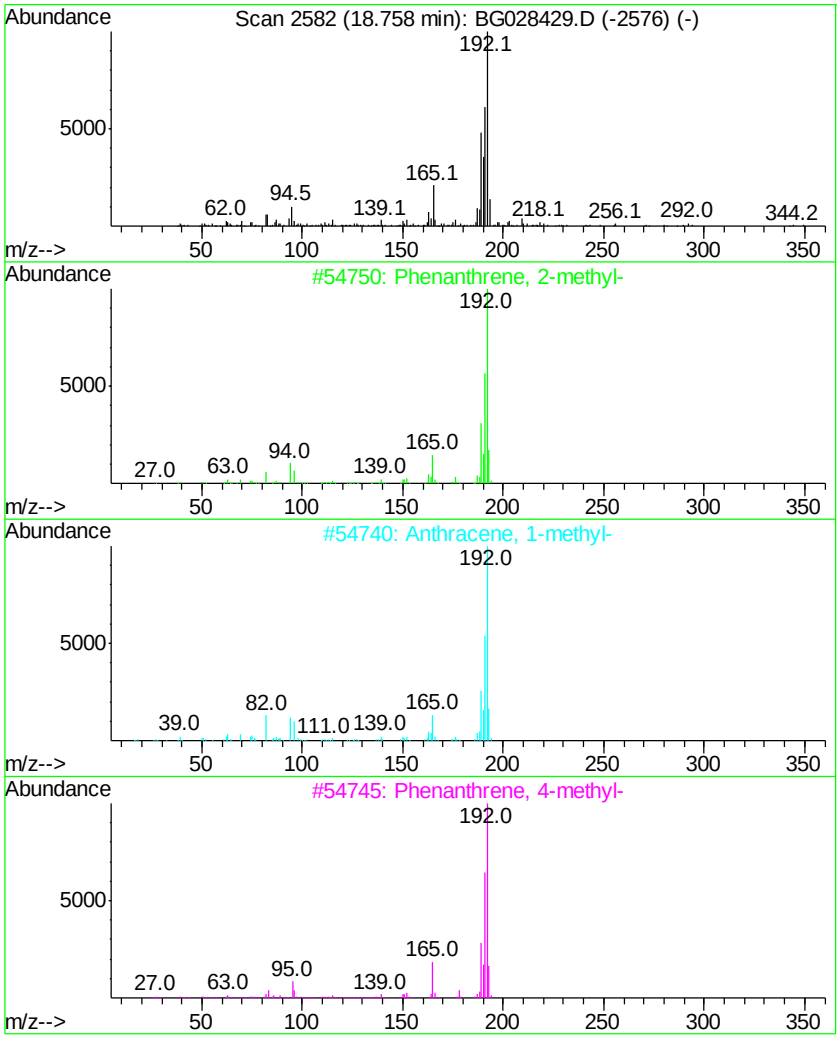
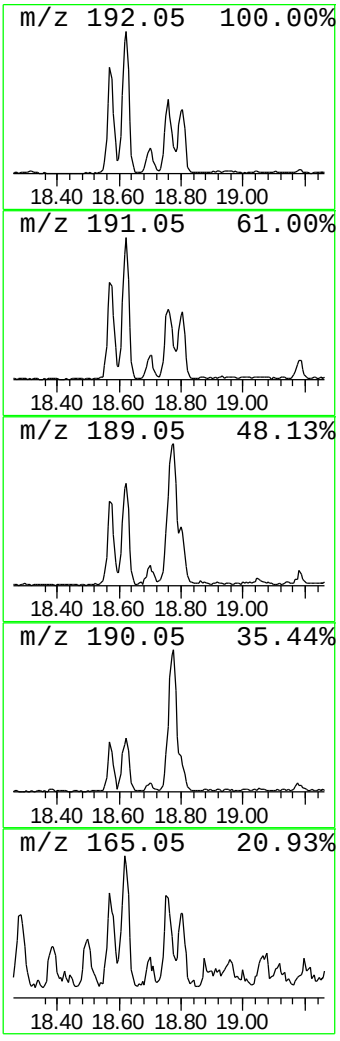
Peak Number 17 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.76	11.03 ng/ul	463599	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	55
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	55
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50





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Acq On : 22 Aug 2017 22:37
Operator : SJ/JU
Sample : I4713-08 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GB8

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Quant Title : SVOA CALIBRATION

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

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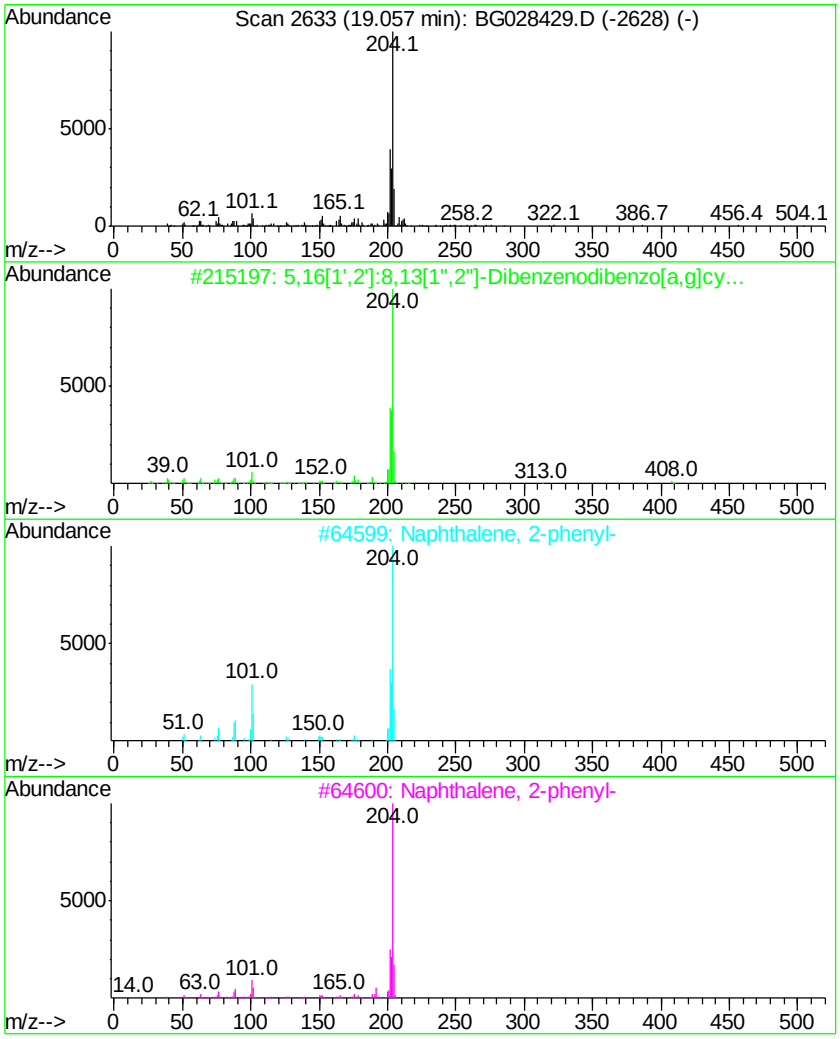
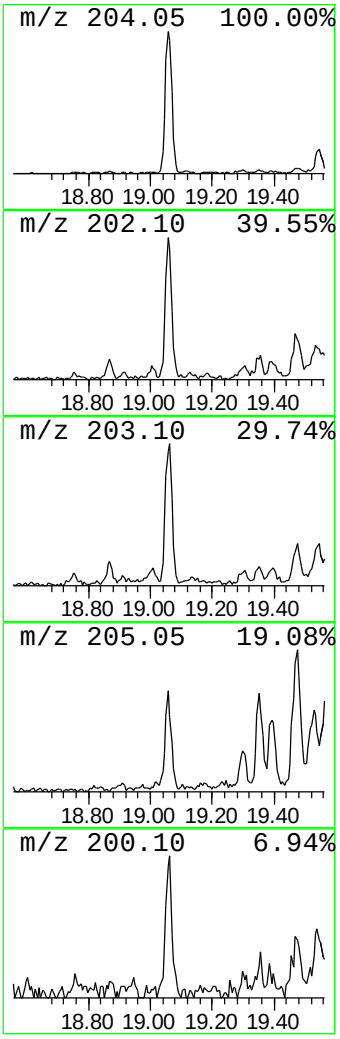
Peak Number 18 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	6.40 ng/ul	268801	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	56





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Sample : I4713-08 5X
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Instrument : BNA_G
ClientSampleId : E7GB8

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Quant Title : SVOA CALIBRATION

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

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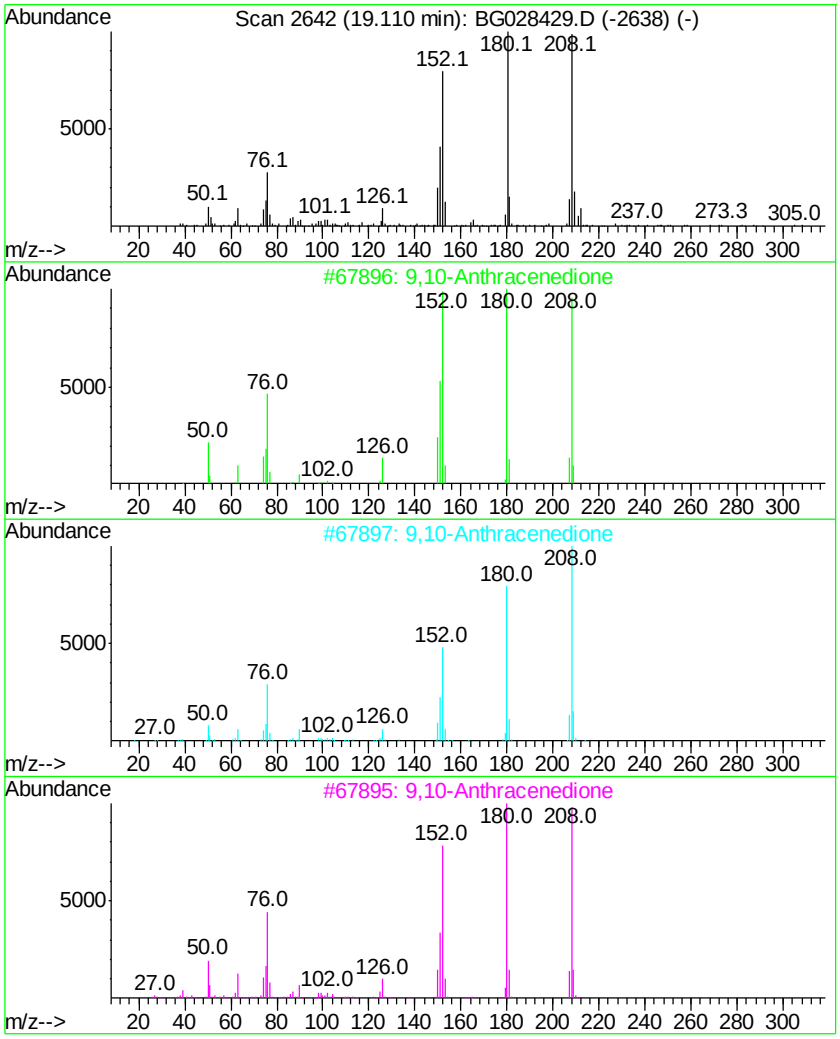
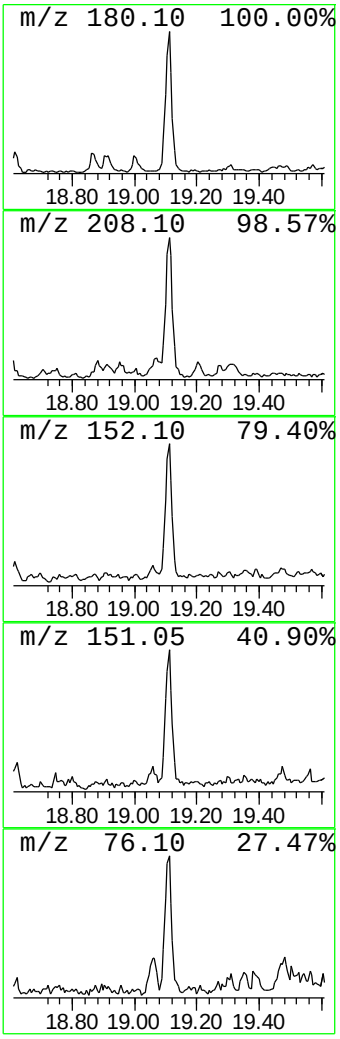
Peak Number 19 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.11	7.67 ng/ul	322179	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	83
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70





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Instrument : BNA_G
ClientSampleId : E7GB8

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Quant Title : SVOA CALIBRATION

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

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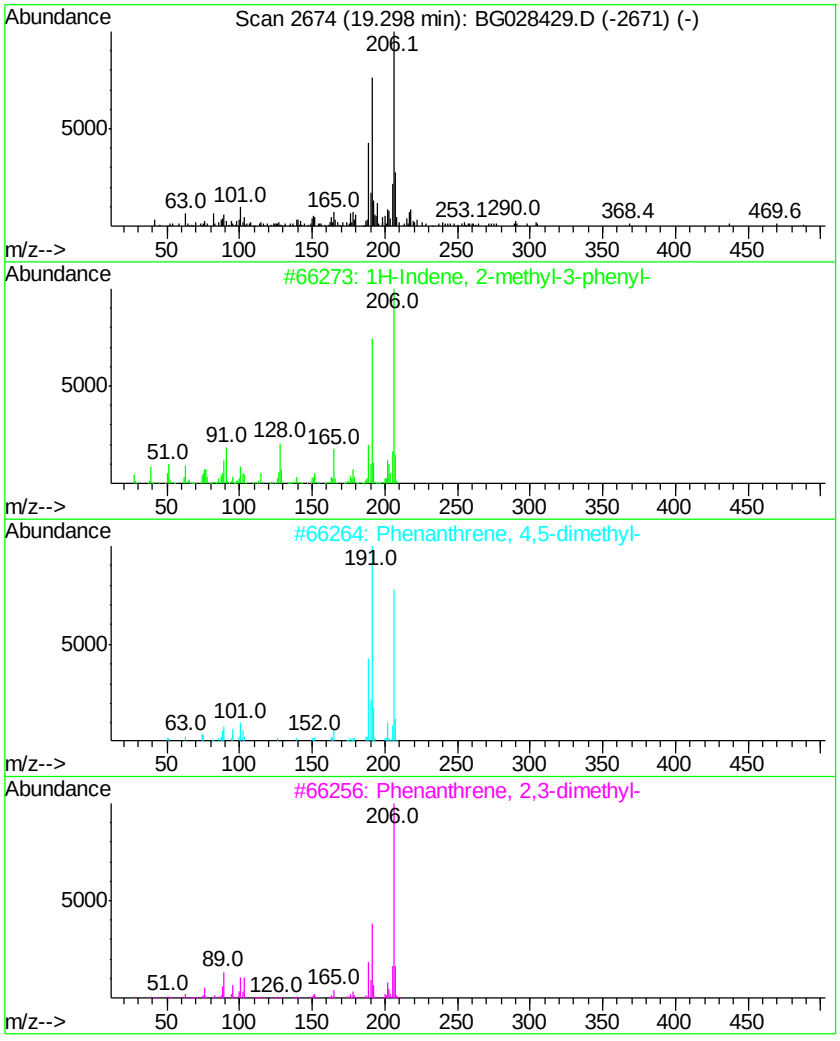
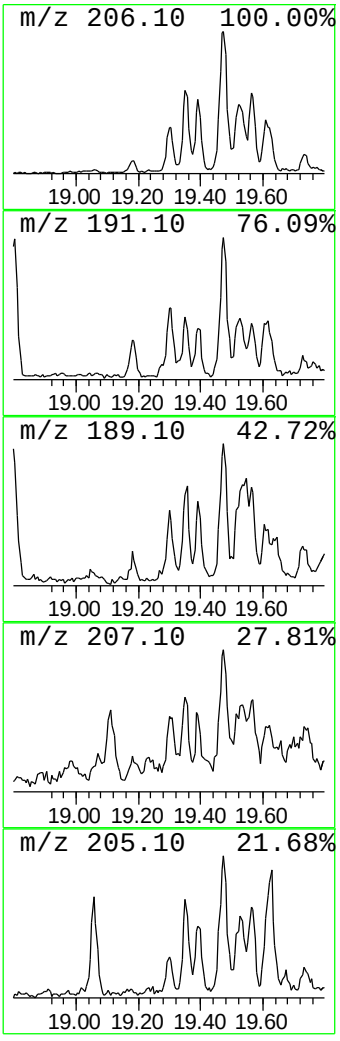
Peak Number 20 1H-Indene, 2-methyl-3-phenyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.30	2.55 ng/ul	107383	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	91
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	89
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	81
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	81
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	80





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ClientSampleId : E7GB8

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Quant Title : SVOA CALIBRATION

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

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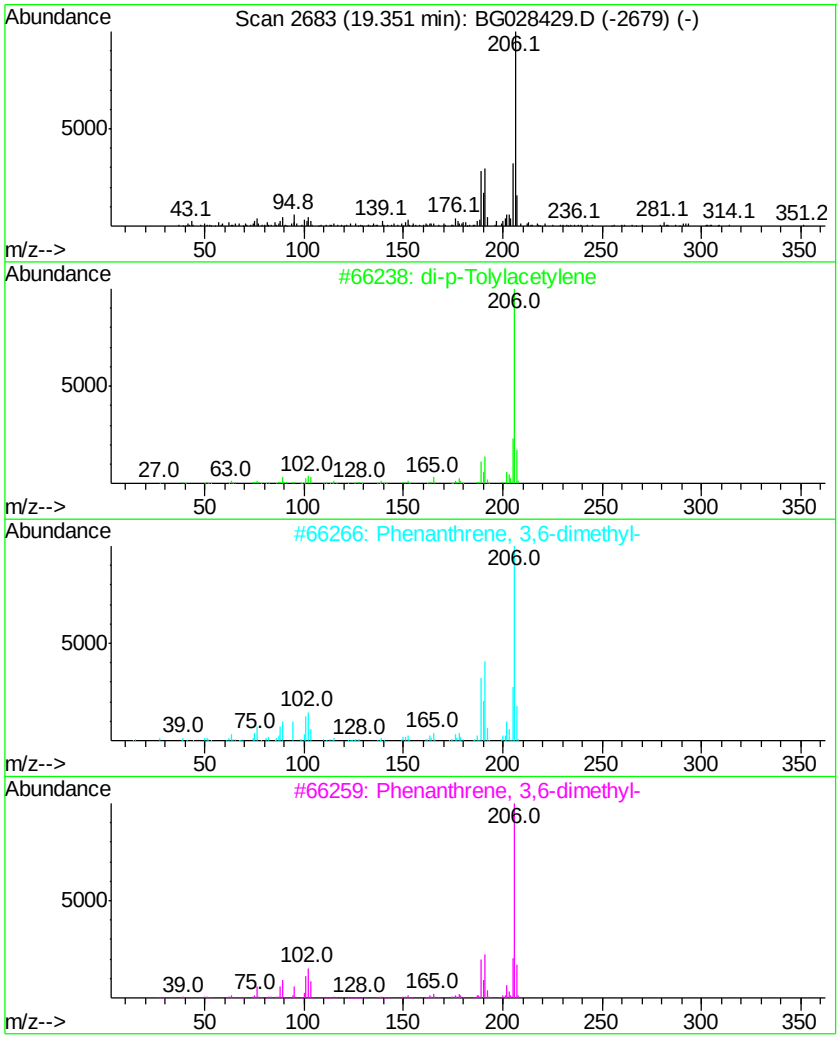
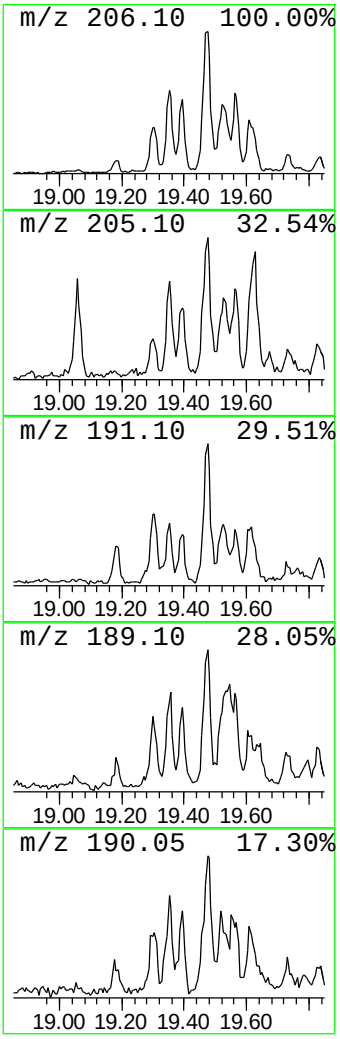
Peak Number 21 di-p-Tolylacetylene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.35	3.10 ng/ul	130258	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	83





Library Search Compound Report

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Sample : I4713-08 5X
Misc :
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Instrument : BNA_G
ClientSampleId : E7GB8

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Quant Title : SVOA CALIBRATION

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

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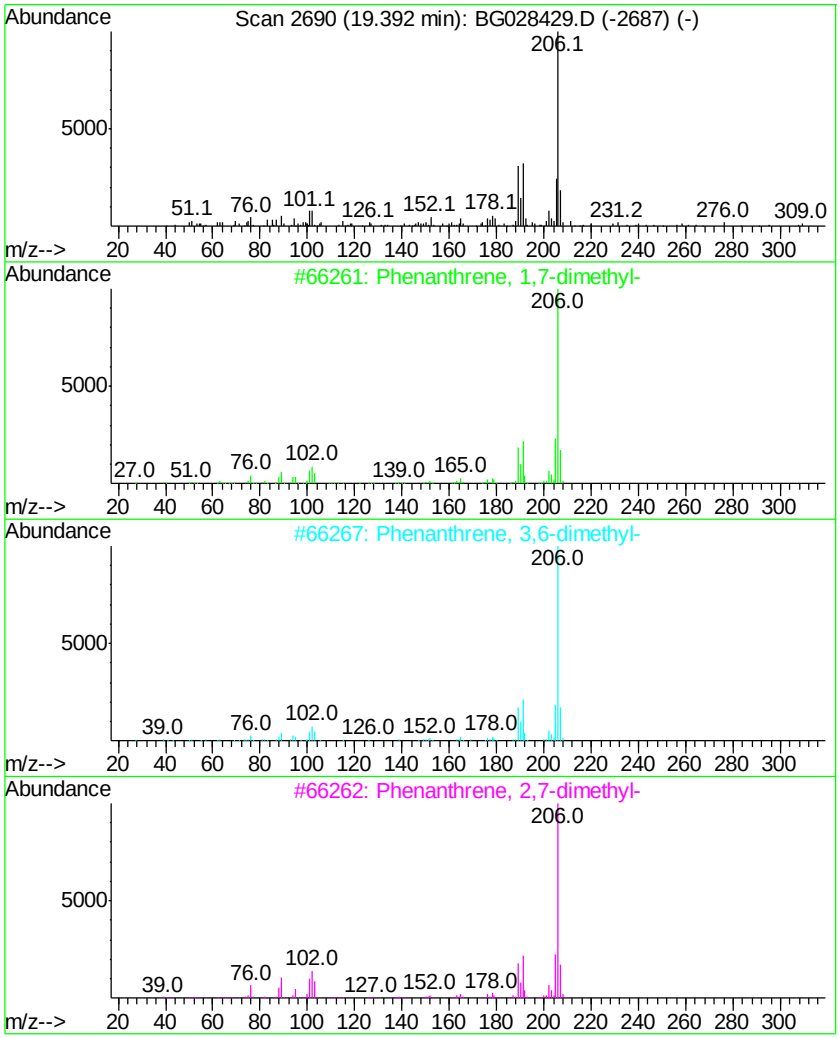
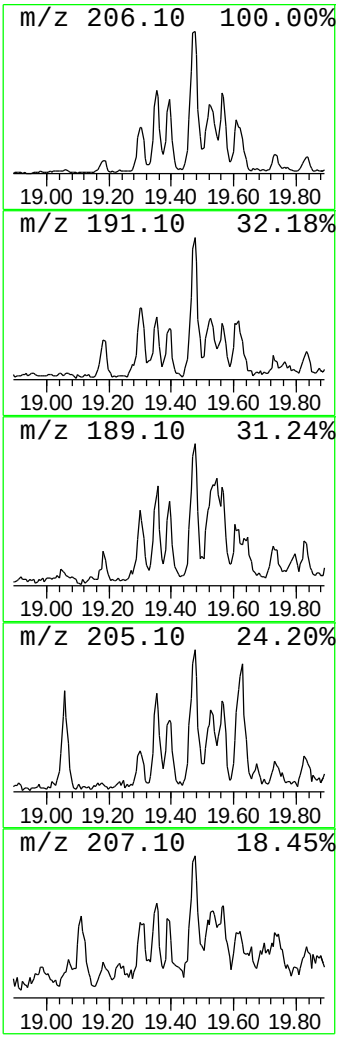
Peak Number 22 Phenanthrene, 1,7-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	3.18 ng/ul	133780	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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Sample : I4713-08 5X
Misc :
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Instrument : BNA_G
ClientSampleId : E7GB8

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 24 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.62	9.64 ng/ul	405102	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
3	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	43
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	42
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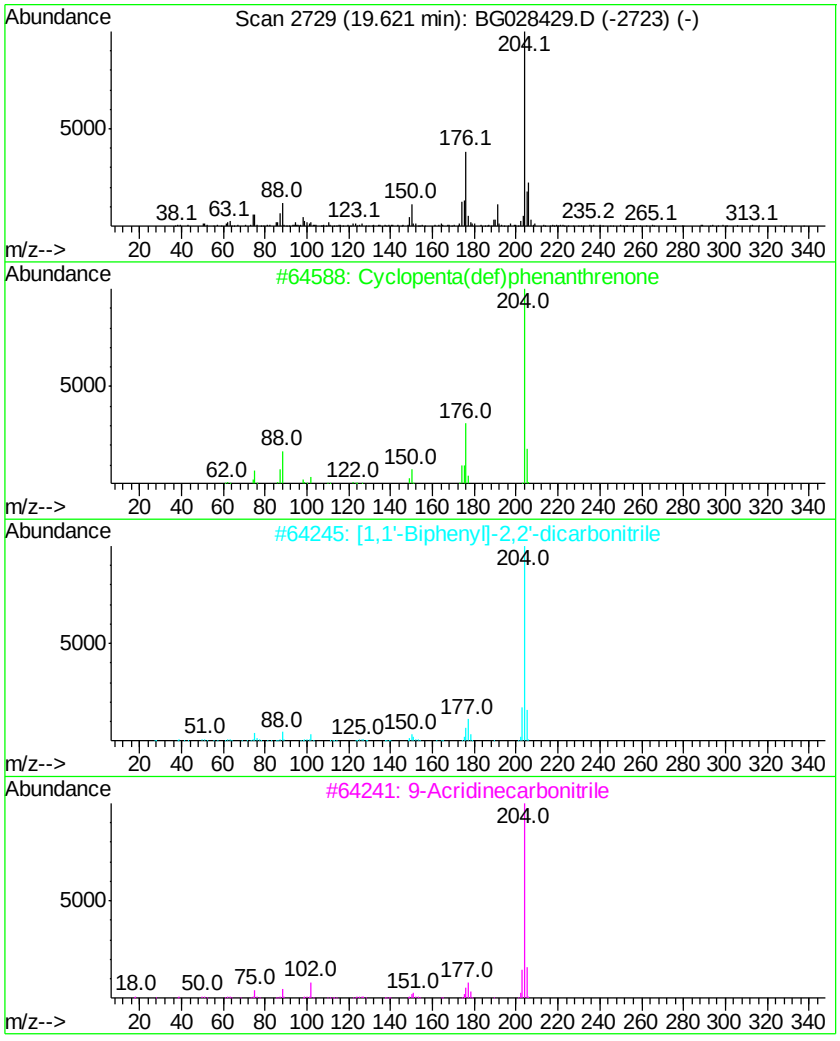

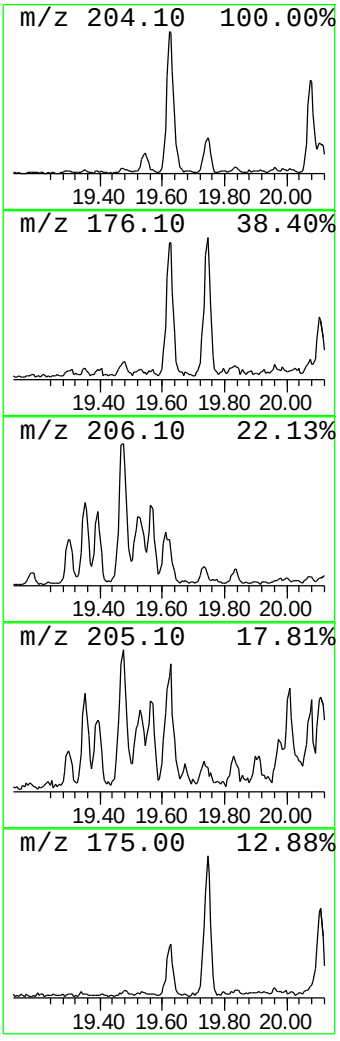

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Sample : I4713-08 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GB8

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Quant Title : SVOA CALIBRATION

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

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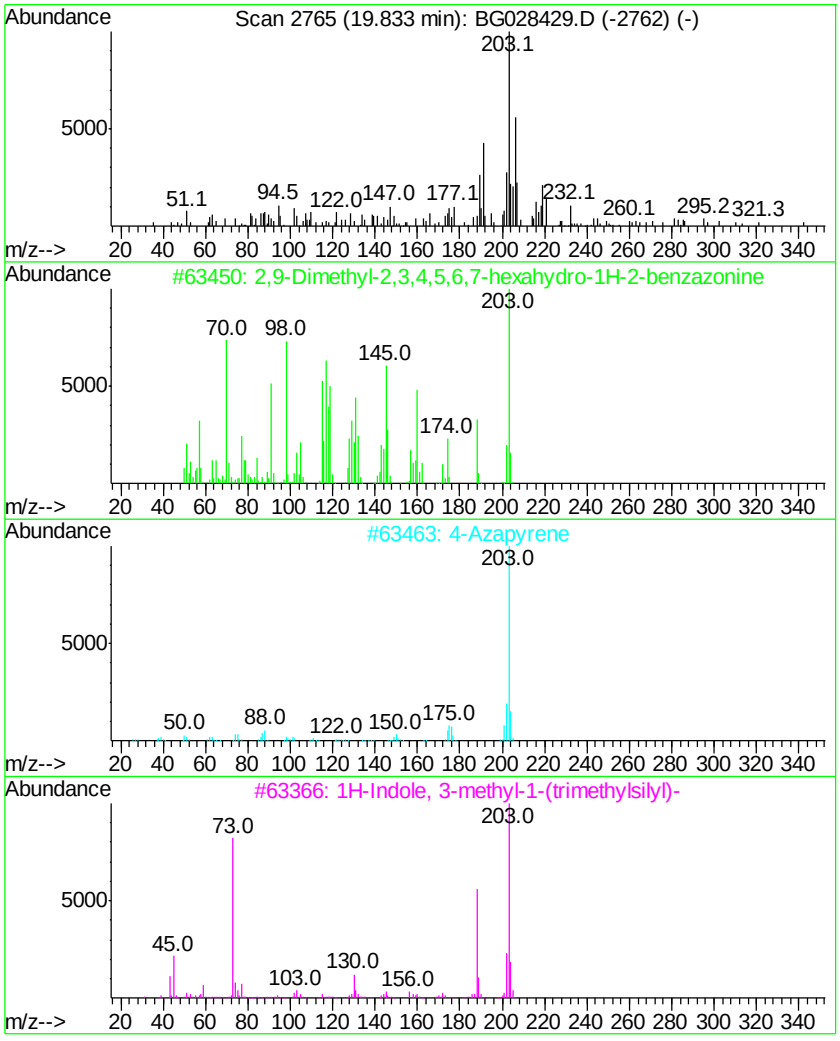
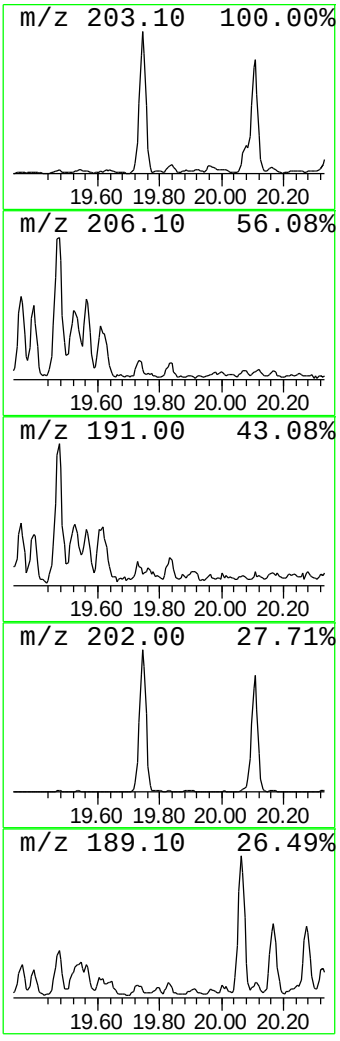
Peak Number 26 unknown-02 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	2.94 ng/ul	123713	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,9-Dimethyl-2,3,4,5,6,7-hexahyd...	203	C14H21N	077581-11-4	38
2	4-Azapyrene	203	C15H9N	000194-03-6	38
3	1H-Indole, 3-methyl-1-(trimethyl...	203	C12H17NSi	055638-43-2	35
4	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	30
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	30





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Sample : I4713-08 5X
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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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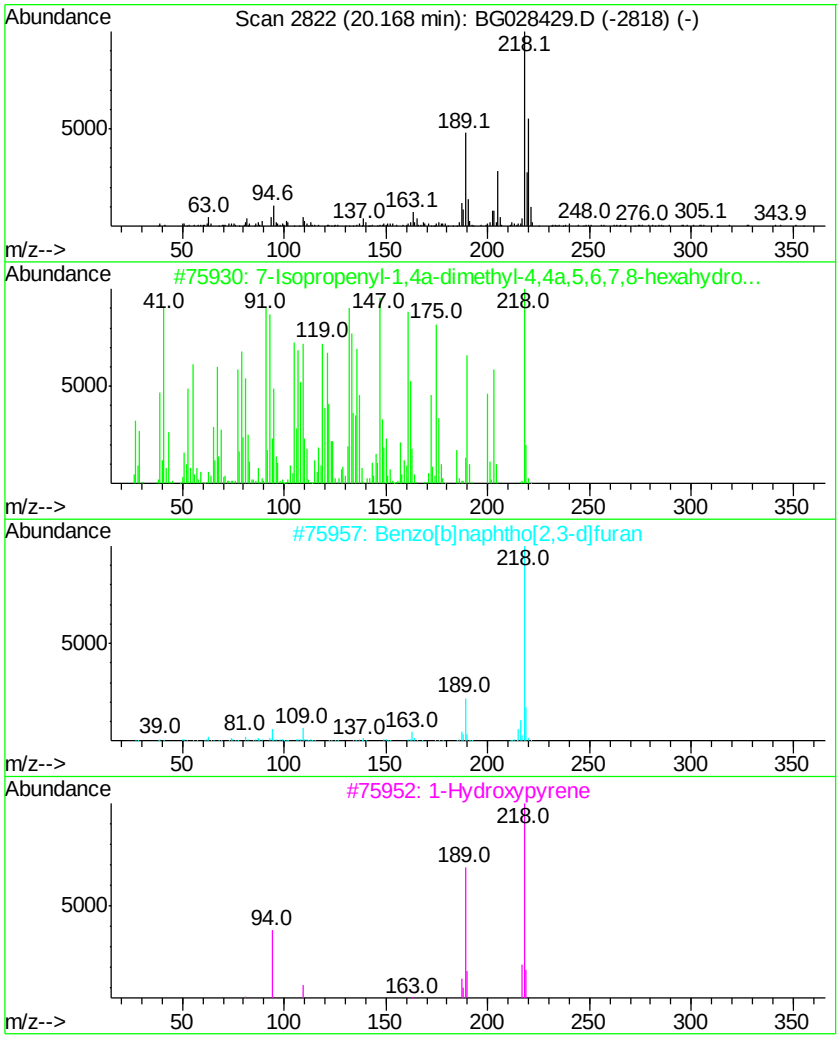
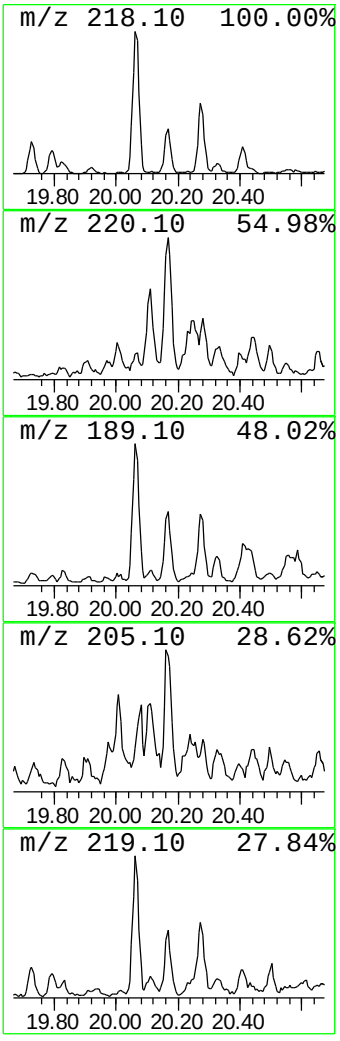
Peak Number 27 7-Isopropenyl-1,4a-dimethyl... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	2.78 ng/ul	323201	Chrysene-d12	22.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Isopropenyl-1,4a-dimethyl-4,4a...	218	C15H22O	000473-08-5	68
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	64
3	1-Hydroxypyrene	218	C16H10O	005315-79-7	52
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	49
5	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	49





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ALS Vial : 18 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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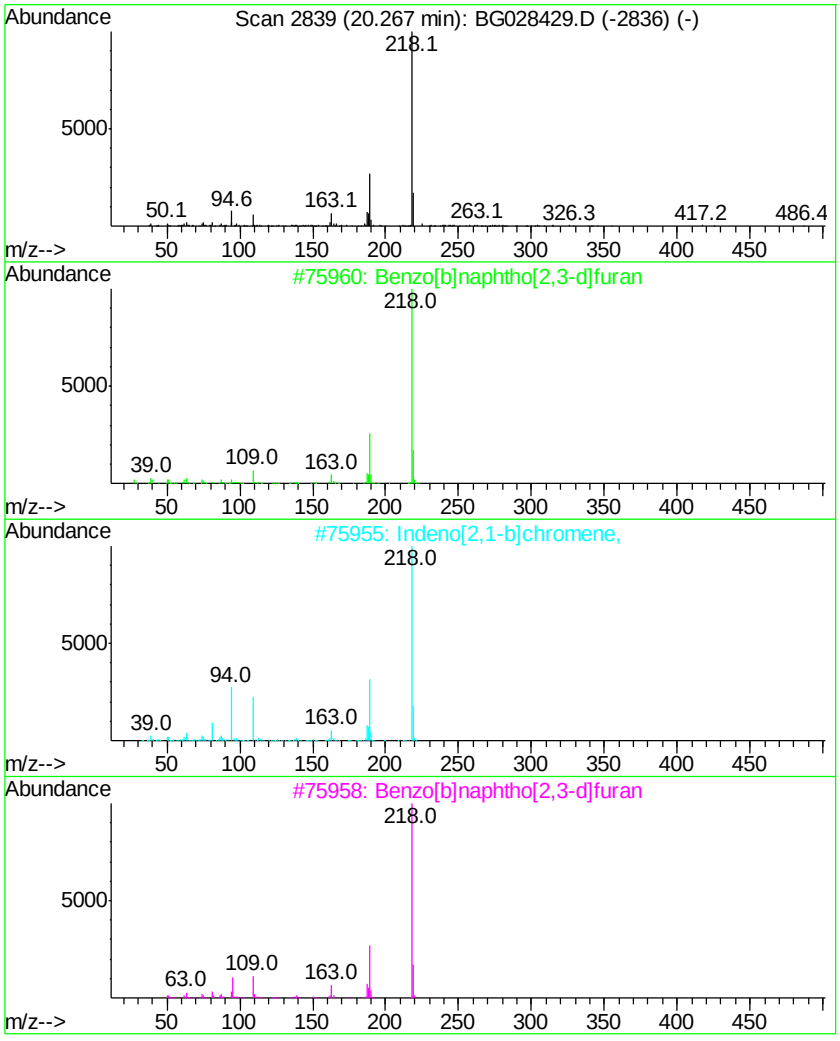
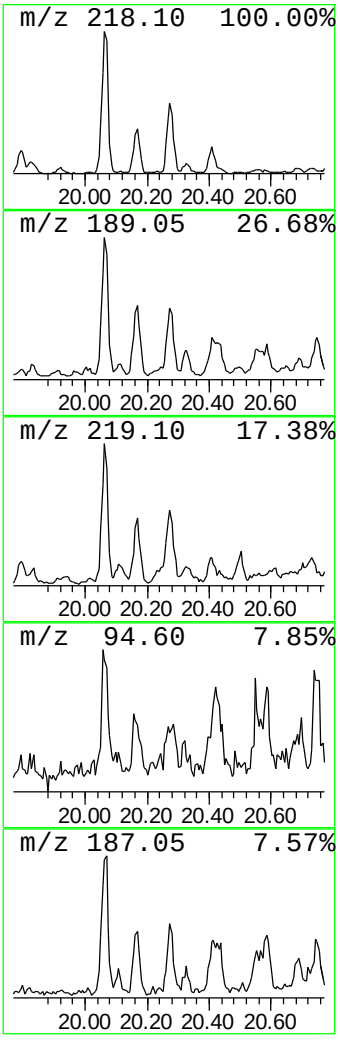
Peak Number 28 Benzo[b]naphtho[2,3-d]furan Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.27	2.22 ng/ul	257382	Chrysene-d12	22.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
2	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	91
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	91
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	91
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	91





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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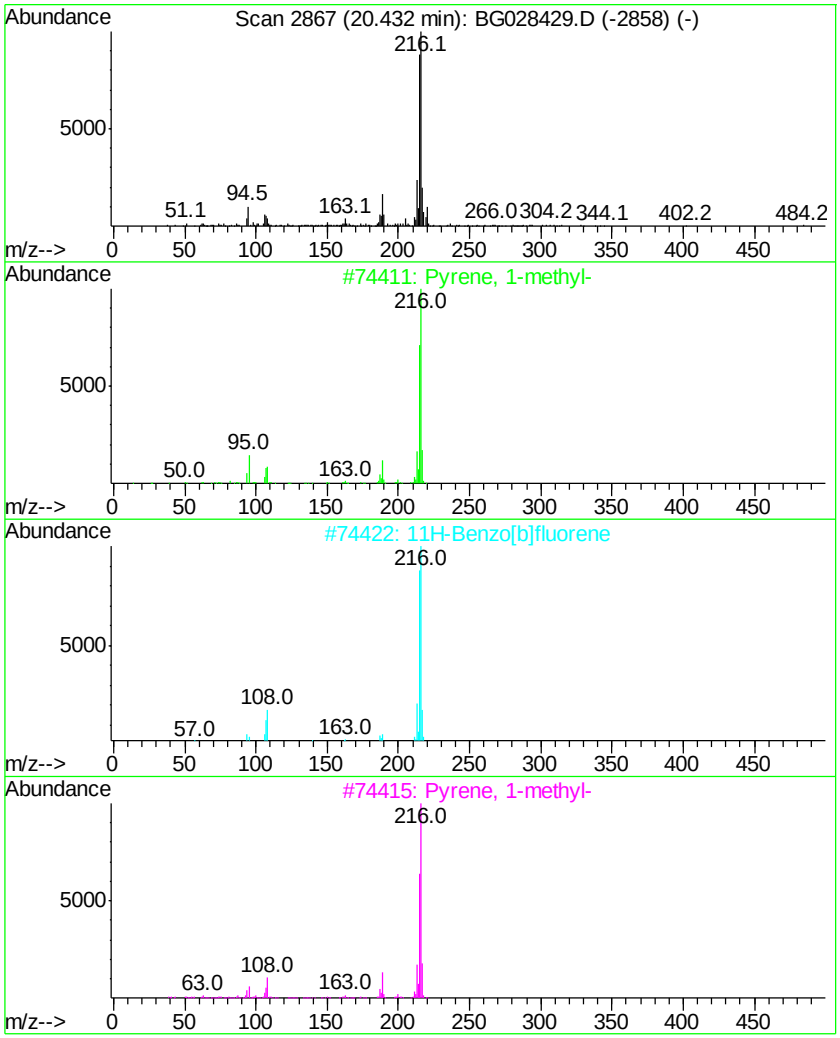
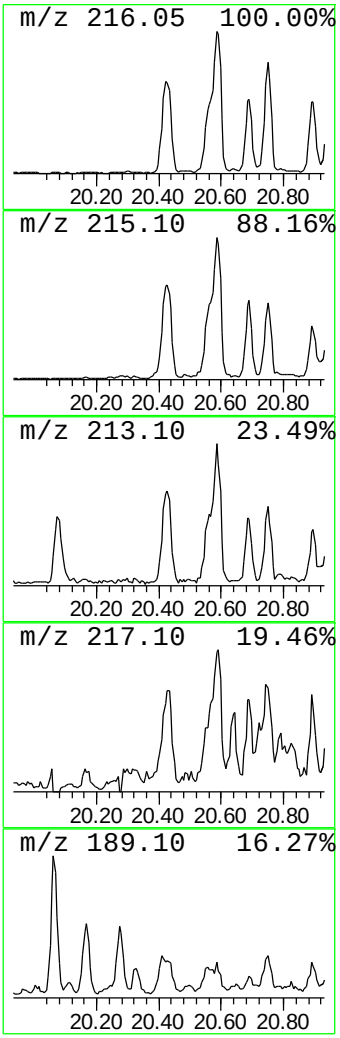
Peak Number 29 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.43	5.84 ng/ul	677941	Chrysene-d12	22.04

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





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Quant Title : SVOA CALIBRATION

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

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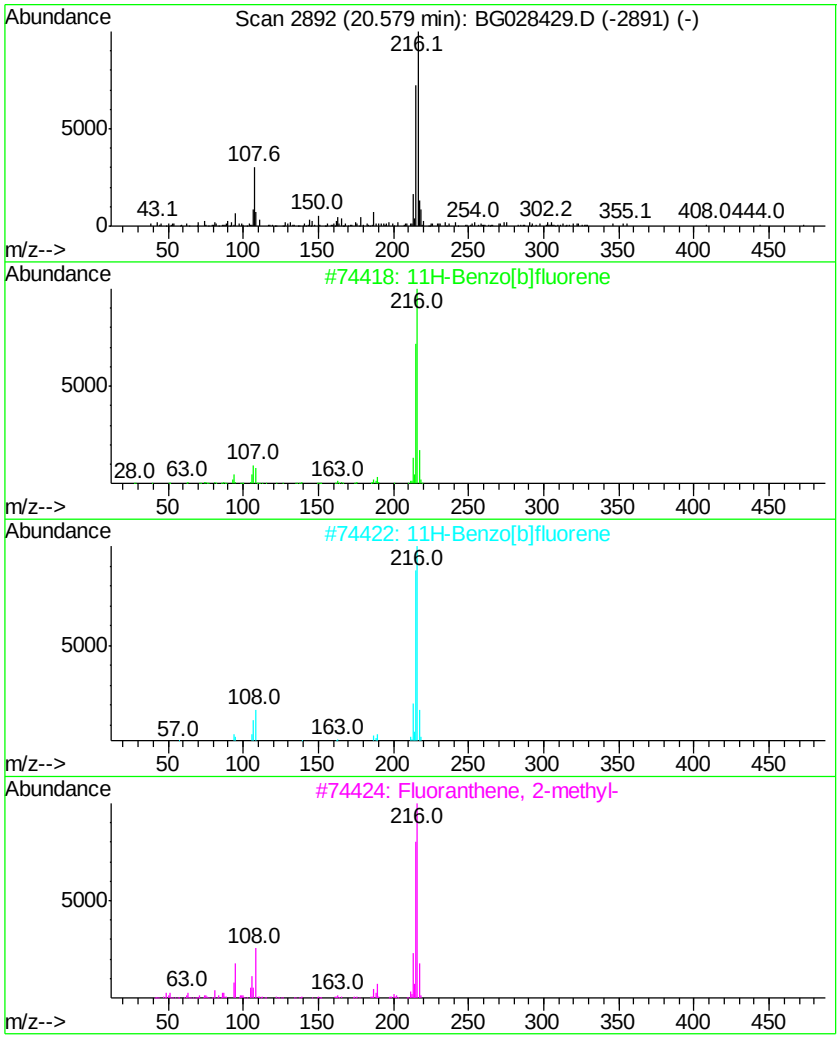
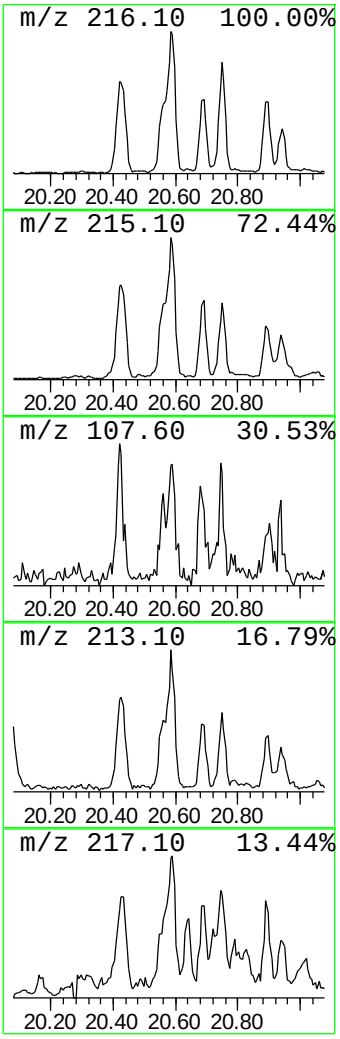
Peak Number 31 11H-Benzo[b]fluorene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.58	3.41 ng/ul	396005	Chrysene-d12	22.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
4	Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	64
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	59





Tentatively Identified Compound (LSC) summary

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Data File : BG028429.D
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Operator : SJ/JU
Sample : I4713-08 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GB8

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
(DEL) Alkane: Str...	12.52	2.1	ng/ul	46216	2	11.16	443033	20.0
Naphthalene, 1-me...	13.01	4.3	ng/ul	96079	2	11.16	443033	20.0
Naphthalene, 2,6-...	14.13	3.8	ng/ul	141879	3	14.95	739257	20.0
Naphthalene, 1,7-...	14.27	3.0	ng/ul	109705	3	14.95	739257	20.0
(DEL) Alkane: Str...	15.75	4.9	ng/ul	181866	3	14.95	739257	20.0
[1,1'-Biphenyl]-4...	16.28	2.9	ng/ul	105630	3	14.95	739257	20.0
(DEL) Alkane: Str...	16.64	8.0	ng/ul	337040	4	17.70	840637	20.0
9H-Fluorene, 1-me...	17.00	2.3	ng/ul	97193	4	17.70	840637	20.0
Naphtho[2,1-b]fur...	17.22	4.0	ng/ul	167602	4	17.70	840637	20.0
8-Dimethylaminona...	17.26	2.5	ng/ul	104016	4	17.70	840637	20.0
9H-Fluoren-9-one	17.35	3.5	ng/ul	145394	4	17.70	840637	20.0
(DEL) Alkane: Str...	17.41	5.6	ng/ul	236777	4	17.70	840637	20.0
unknown-01	18.28	3.6	ng/ul	152017	4	17.70	840637	20.0
1-Methyldibenzoth...	18.42	2.2	ng/ul	93688	4	17.70	840637	20.0
Anthracene, 9-met...	18.57	9.7	ng/ul	408285	4	17.70	840637	20.0
Anthracene, 1-met...	18.62	11.5	ng/ul	482098	4	17.70	840637	20.0
Phenanthrene, 2-m...	18.76	11.0	ng/ul	463599	4	17.70	840637	20.0
5,16[1',2']:8,13[...	19.06	6.4	ng/ul	268801	4	17.70	840637	20.0
9,10-Anthracenedione	19.11	7.7	ng/ul	322179	4	17.70	840637	20.0
1H-Indene, 2-meth...	19.30	2.5	ng/ul	107383	4	17.70	840637	20.0
di-p-Tolylacetylene	19.35	3.1	ng/ul	130258	4	17.70	840637	20.0
Phenanthrene, 1,7...	19.39	3.2	ng/ul	133780	4	17.70	840637	20.0
Cyclopenta(def)ph...	19.62	9.6	ng/ul	405102	4	17.70	840637	20.0
unknown-02	19.83	2.9	ng/ul	123713	4	17.70	840637	20.0
7-Isopropenyl-1,4...	20.17	2.8	ng/ul	323201	5	22.04	2321450	20.0
Benzo[b]naphtho[2...	20.27	2.2	ng/ul	257382	5	22.04	2321450	20.0
Pyrene, 1-methyl-	20.43	5.8	ng/ul	677941	5	22.04	2321450	20.0
11H-Benzo[b]fluorene	20.58	3.4	ng/ul	396005	5	22.04	2321450	20.0