LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082817\
Data File : BG028534.D
Acq On : 29 Aug 2017 1:09
Operator : SJ/JU
Sample : I4905-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AY0

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	7.497	653	665	679	rBV	222356	459498	13.11%	0.893%
2	7.656	685	692	703	rBV	167050	281916	8.04%	0.548%
3	7.873	720	729	737	rBV	213751	395892	11.30%	0.769%
4	8.343	800	809	819	rBV	138326	248062	7.08%	0.482%
5	9.037	916	927	935	rBV	272037	496191	14.16%	0.964%
6	9.507	999	1007	1019	rVV	227831	428225	12.22%	0.832%
7	10.235	1123	1131	1141	rBV	188384	369030	10.53%	0.717%
8	10.776	1214	1223	1236	rBV	287558	563307	16.07%	1.094%
9	11.158	1281	1288	1294	rBV	188798	369223	10.53%	0.717%
10	11.211	1294	1297	1302	rVB2	31179	51906	1.48%	0.101%
11	11.293	1303	1311	1326	rVB	203363	404945	11.55%	0.787%
12	14.342	1823	1830	1834	rVV	544547	845556	24.13%	1.643%
13	14.383	1834	1837	1849	rVB	176649	256620	7.32%	0.498%
14	14.648	1870	1882	1898	rBV	614906	1071135	30.56%	2.081%
15	14.953	1922	1934	1940	rVV2	316536	544501	15.54%	1.058%
16	15.153	1961	1968	1989	rBV2	181960	401652	11.46%	0.780%
17	15.347	1989	2001	2008	rVV3	73184	148508	4.24%	0.288%
18	15.752	2056	2070	2076	rVB5	22519	64970	1.85%	0.126%
19	15.940	2091	2102	2108	rBV	781521	1275327	36.39%	2.477%
20	15.993	2108	2111	2118	rVB2	65582	110969	3.17%	0.216%
21	16.070	2118	2124	2133	rBV	190807	310619	8.86%	0.603%
22	16.287	2153	2161	2167	rVB	49616	92271	2.63%	0.179%
23	16.434	2180	2186	2197	rBV	58513	120704	3.44%	0.234%
24	17.004	2270	2283	2287	rVV6	40819	96934	2.77%	0.188%
25	17.221	2311	2320	2325	rBV3	59644	115312	3.29%	0.224%
26	17.356	2337	2343	2349	rVV	135379	209464	5.98%	0.407%
27	17.421	2349	2354	2361	rVV3	54013	114605	3.27%	0.223%
28	17.521	2367	2371	2378	rVB	77652	121169	3.46%	0.235%
29	17.703	2396	2402	2405	rBV	418889	685511	19.56%	1.332%
30	17.750	2405	2410	2415	rVV	1303141	2074382	59.19%	4.030%
31	17.803	2415	2419	2430	rVB3	858262	1562178	44.57%	3.035%
32	17.891	2432	2434	2442	rVB2	34145	48681	1.39%	0.095%
33	18.020	2444	2456	2460	rBV5	31423	77806	2.22%	0.151%
34	18.108	2461	2471	2484	rVV4	115235	341309	9.74%	0.663%

LSC Area Percent Report

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Acq On : 29 Aug 2017 1:09
Operator : SJ/JU
Sample : I4905-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AY0

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	18.214	2484	2489	2495	rVV3	45495	74262	2.12%	0.144%
36	18.285	2495	2501	2508	rVB3	72309	125515	3.58%	0.244%
37	18.502	2534	2538	2542	rBV	41764	66027	1.88%	0.128%
38	18.573	2542	2550	2554	rBV	270958	569313	16.24%	1.106%
39	18.625	2554	2559	2565	rVB	387981	581980	16.61%	1.131%
40	18.702	2565	2572	2577	rVB2	92414	153753	4.39%	0.299%
41	18.772	2577	2584	2587	rBV3	272406	596343	17.02%	1.158%
42	18.866	2596	2600	2605	rBV5	34202	62215	1.78%	0.121%
43	19.060	2628	2633	2638	rBV	218221	313444	8.94%	0.609%
44	19.113	2638	2642	2651	rVB2	260637	400956	11.44%	0.779%
45	19.301	2668	2674	2679	rBV3	68447	117514	3.35%	0.228%
46	19.354	2679	2683	2687	rBV	68047	87479	2.50%	0.170%
47	19.395	2687	2690	2696	rVB2	76784	102931	2.94%	0.200%
48	19.472	2696	2703	2708	rBV	181366	366615	10.46%	0.712%
49	19.542	2709	2715	2717	rBV4	47340	85355	2.44%	0.166%
50	19.630	2723	2730	2737	rVB2	244134	450362	12.85%	0.875%
51	19.748	2738	2750	2756	rBV	2301656	3504795	100.00%	6.808%
52	19.801	2756	2759	2761	rVV2	42554	53341	1.52%	0.104%
53	19.836	2761	2765	2770	rVB4	79429	126173	3.60%	0.245%
54	19.895	2770	2775	2779	rBV	164543	247732	7.07%	0.481%
55	19.936	2779	2782	2786	rVV2	70246	78808	2.25%	0.153%
56	19.989	2787	2791	2800	rVV3	89379	215111	6.14%	0.418%
57	20.077	2800	2806	2809	rVV2	1268518	2406807	68.67%	4.675%
58	20.112	2809	2812	2818	rVV	2004285	2726878	77.80%	5.297%
59	20.171	2818	2822	2828	rVB2	197478	296001	8.45%	0.575%
60	20.276	2829	2840	2845	rBV	226216	419451	11.97%	0.815%
61	20.347	2845	2852	2857	rVB2	122581	252531	7.21%	0.491%
62	20.423	2858	2865	2871	rBV3	237963	625709	17.85%	1.215%
63	20.476	2872	2874	2881	rVB5	40743	54338	1.55%	0.106%
64	20.559	2881	2888	2889	rBV3	182142	347587	9.92%	0.675%
65	20.588	2890	2893	2898	rVB	220136	332830	9.50%	0.647%
66	20.694	2905	2911	2913	rBV4	60109	109430	3.12%	0.213%
67	20.747	2913	2920	2930	rVB2	286430	701826	20.02%	1.363%
68	20.823	2930	2933	2938	rVB4	69558	105431	3.01%	0.205%
69	20.899	2940	2946	2950	rBV2	139712	256908	7.33%	0.499%
70	20.946	2950	2954	2964	rVB	164638	294391	8.40%	0.572%
71	21.034	2965	2969	2971	rBV4	41199	59586	1.70%	0.116%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I4905-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AY0

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	21.158	2986	2990	2993	rBV5	45730	80619	2.30%	0.157%
73	21.387	3023	3029	3036	rVB	444827	738232	21.06%	1.434%
74	21.575	3054	3061	3067	rBV3	211273	602856	17.20%	1.171%
75	21.634	3067	3071	3075	rVV	234368	391861	11.18%	0.761%
76	21.687	3075	3080	3085	rVV2	215302	412925	11.78%	0.802%
77	21.751	3085	3091	3102	rVB	383881	725420	20.70%	1.409%
78	21.863	3106	3110	3120	rVB6	86109	203273	5.80%	0.395%
79	22.022	3125	3137	3144	rBV3	1214351	3277058	93.50%	6.366%
80	22.086	3144	3148	3161	rVB	913824	1845241	52.65%	3.584%
81	22.251	3173	3176	3182	rBV8	40095	85788	2.45%	0.167%
82	22.327	3183	3189	3195	rBV2	153107	344031	9.82%	0.668%
83	22.474	3209	3214	3221	rBV3	133454	294196	8.39%	0.571%
84	22.539	3222	3225	3240	rVB4	88272	252540	7.21%	0.491%
85	22.732	3254	3258	3263	rBV4	53030	86510	2.47%	0.168%
86	22.821	3265	3273	3280	rVB	206732	472842	13.49%	0.919%
87	22.903	3281	3287	3296	rVB4	140790	307283	8.77%	0.597%
88	23.120	3319	3324	3329	rBV3	90641	205403	5.86%	0.399%
89	23.267	3346	3349	3356	rVB3	66829	136835	3.90%	0.266%
90	23.573	3395	3401	3406	rBV8	37718	96190	2.74%	0.187%
91	24.013	3469	3476	3495	rVB6	95457	370298	10.57%	0.719%
92	24.442	3537	3549	3567	rBV3	559943	2841330	81.07%	5.519%
93	24.712	3588	3595	3606	rVB2	106077	291980	8.33%	0.567%
94	24.936	3628	3633	3635	rBV4	36294	61979	1.77%	0.120%
95	25.230	3673	3683	3689	rBV	227399	716540	20.44%	1.392%
96	25.318	3689	3698	3704	rVV2	501265	1562695	44.59%	3.036%
97	25.388	3704	3710	3726	rVB2	441722	1295363	36.96%	2.516%
98	25.553	3729	3738	3747	rBV2	226357	672697	19.19%	1.307%
99	25.641	3748	3753	3768	rVB4	96836	355335	10.14%	0.690%
100	29.601	4415	4427	4446	rVB3	104830	623991	17.80%	1.212%

Sum of corrected areas: 51479417

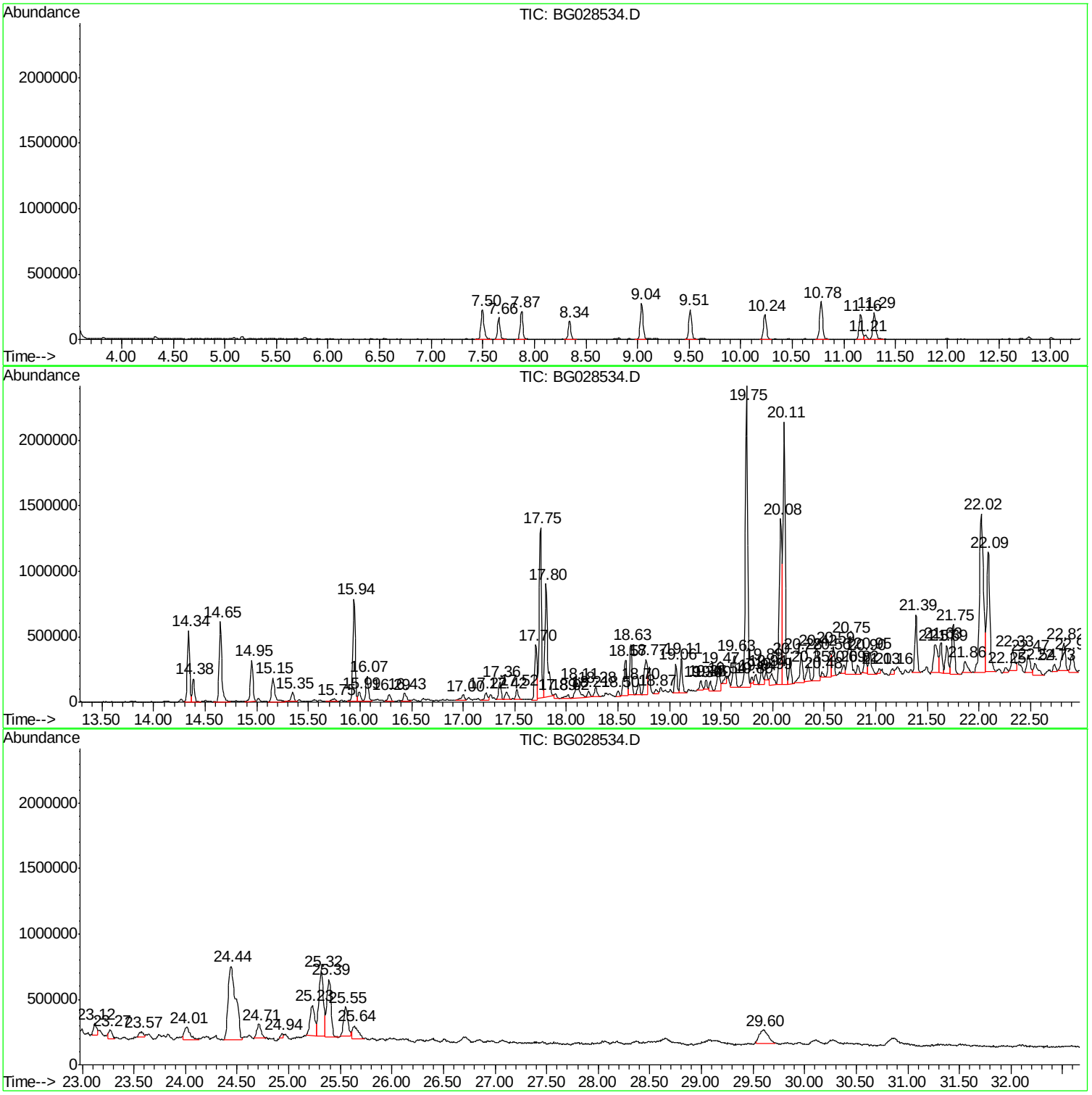
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082817\
Data File : BG028534.D
Acq On : 29 Aug 2017 1:09
Operator : SJ/JU
Sample : I4905-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AY0

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 : Z:\HPCHEM1\BNA G\DATA\BG082817\
Data File : BG028534.D
Acq On : 29 Aug 2017 1:09
Operator : SJ/JU
Sample : I4905-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AY0

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

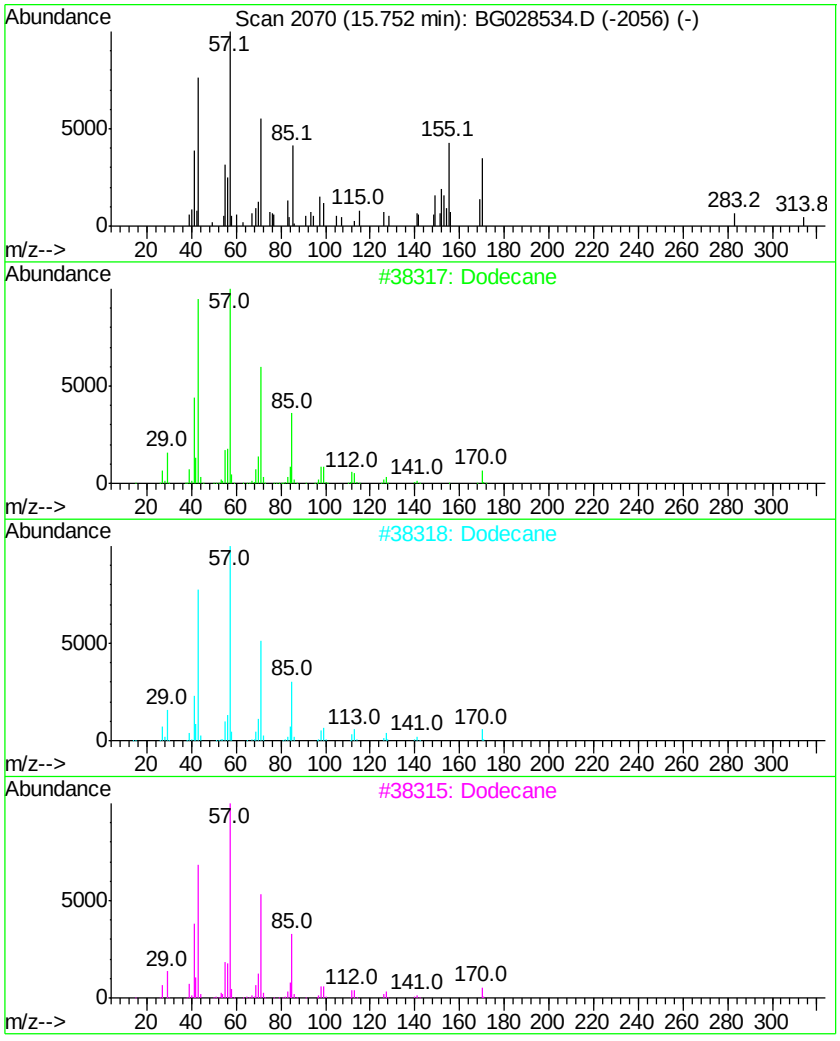
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

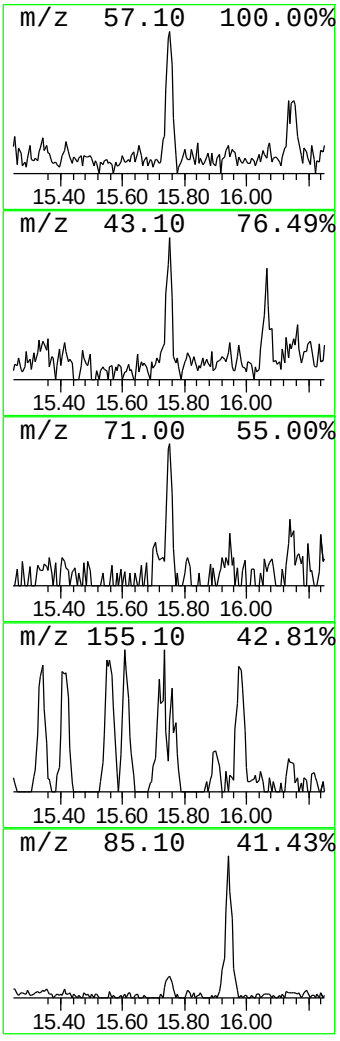
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.75	2.39 ng/ul	64970	Acenaphthene-d10	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	45
2	Dodecane	170	C12H26	000112-40-3	45
3	Dodecane	170	C12H26	000112-40-3	43
4	Undecane	156	C11H24	001120-21-4	41
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	35





Data Path : Z:\HPCHEM1\BNA G\DATA\BG082817\
Data File : BG028534.D
Acq On : 29 Aug 2017 1:09
Operator : SJ/JU
Sample : I4905-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AY0

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

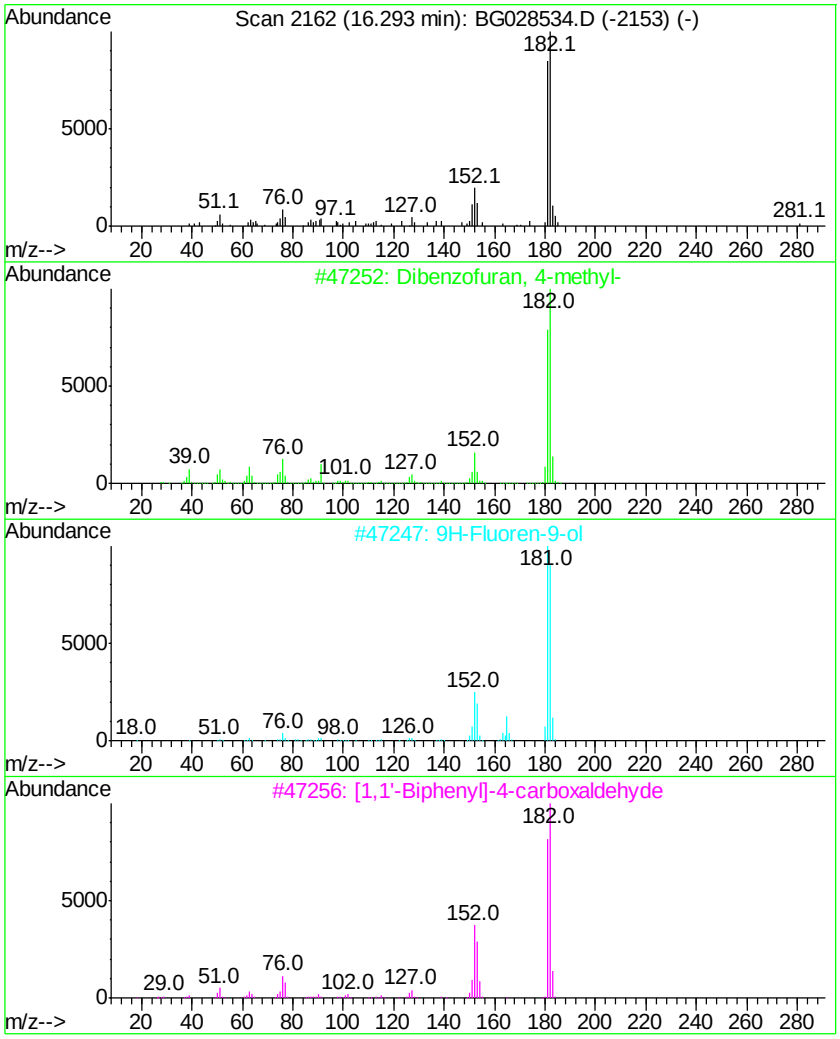
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

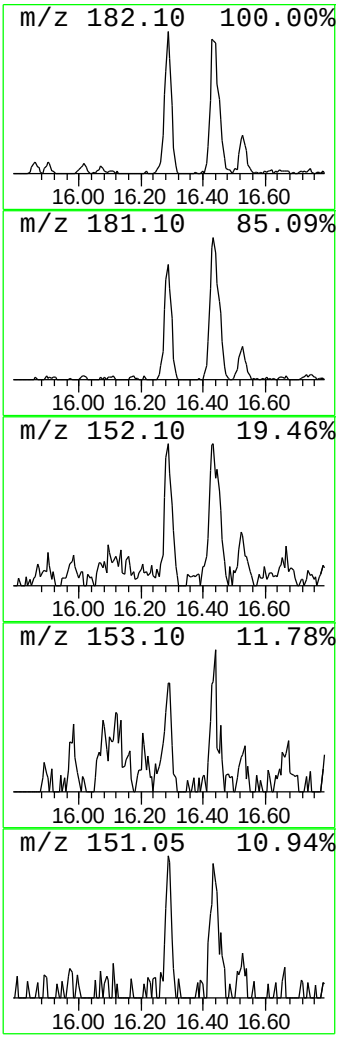
****

Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	3.39 ng/ul	92271	Acenaphthene-d10	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74
4	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	72
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082817\
Data File : BG028534.D
Acq On : 29 Aug 2017 1:09
Operator : SJ/JU
Sample : I4905-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AY0

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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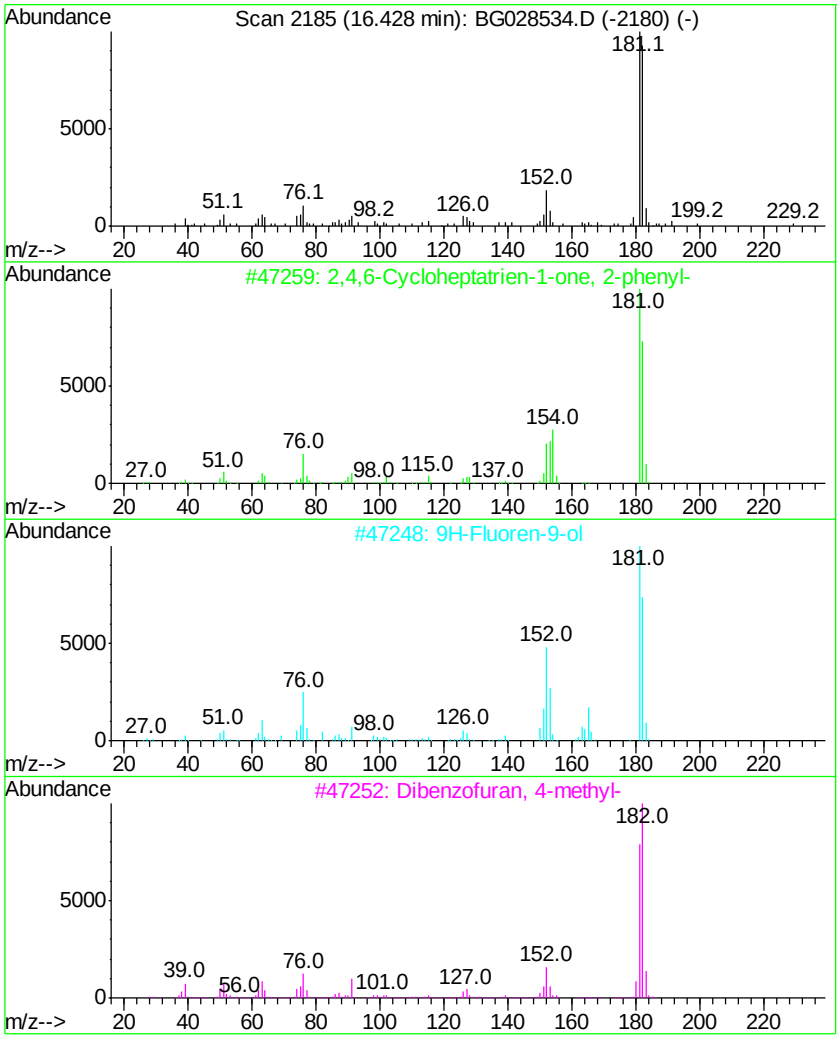
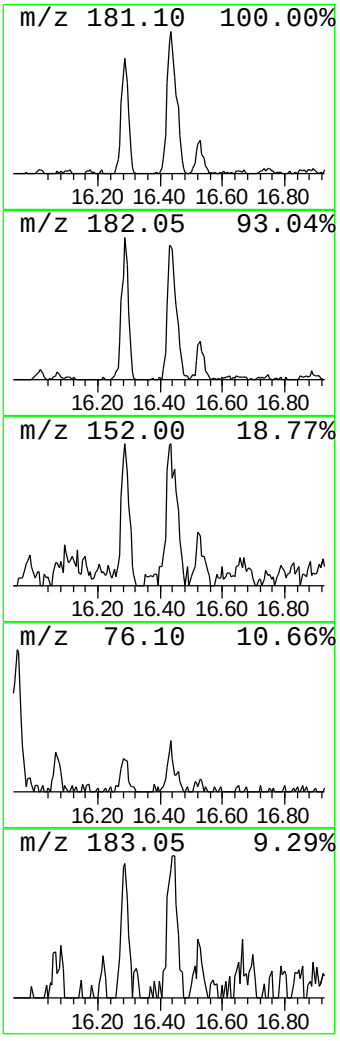
Peak Number 3 2,4,6-Cycloheptatrien-1-one... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	3.52 ng/ul	120704	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80





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Acq On : 29 Aug 2017 1:09
Operator : SJ/JU
Sample : I4905-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AY0

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

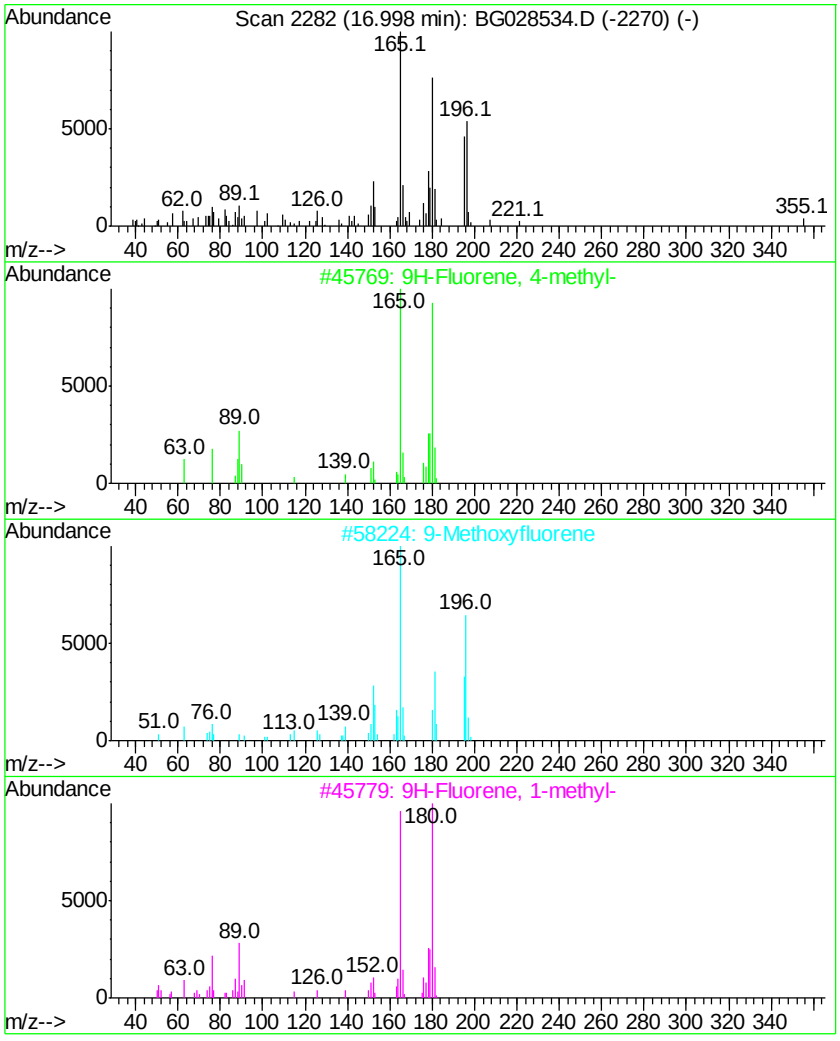
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

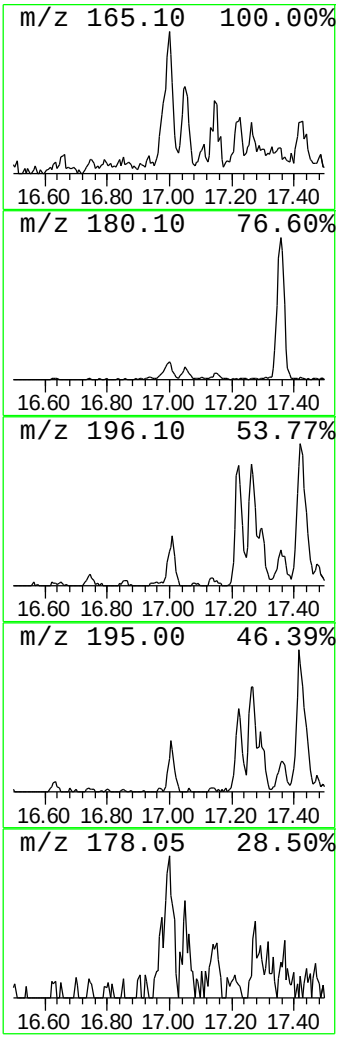
****

Peak Number 4 9H-Fluorene, 4-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	2.83 ng/ul	96934	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	55
2	9-Methoxyfluorene	196	C14H12O	019126-15-9	50
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	49
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	43
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	43





Data Path : Z:\HPCHEM1\BNA G\DATA\BG082817\
Data File : BG028534.D
Acq On : 29 Aug 2017 1:09
Operator : SJ/JU
Sample : I4905-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AY0

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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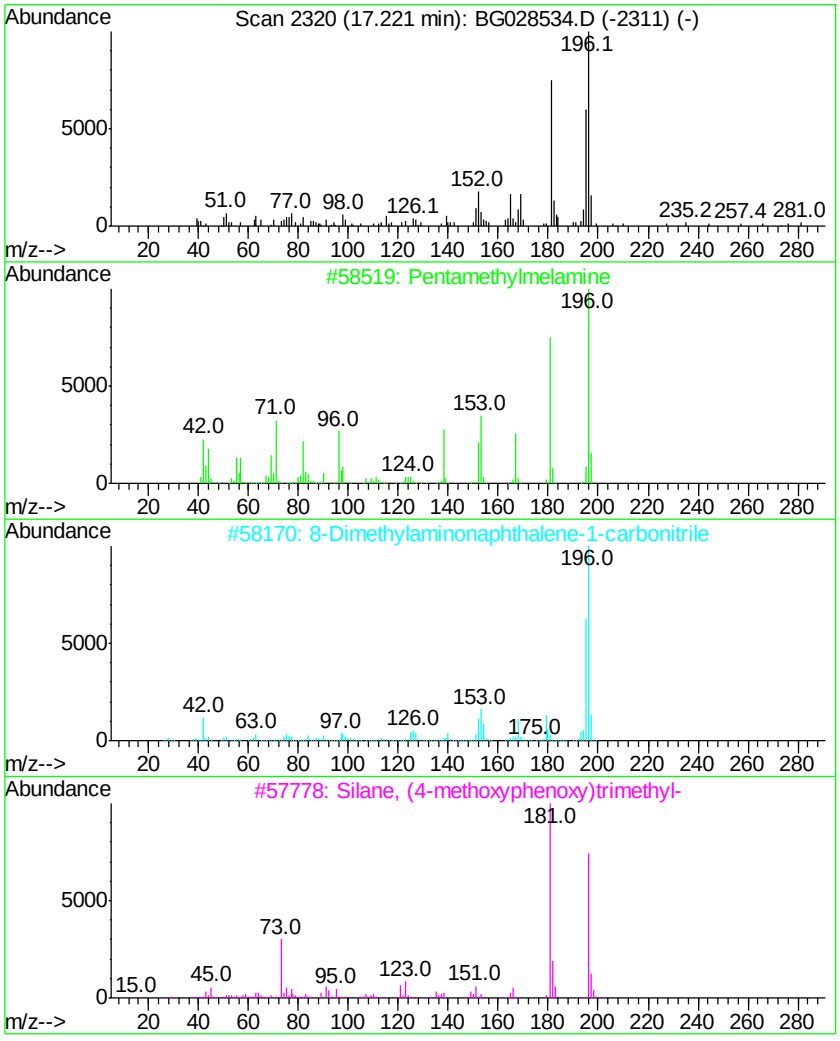
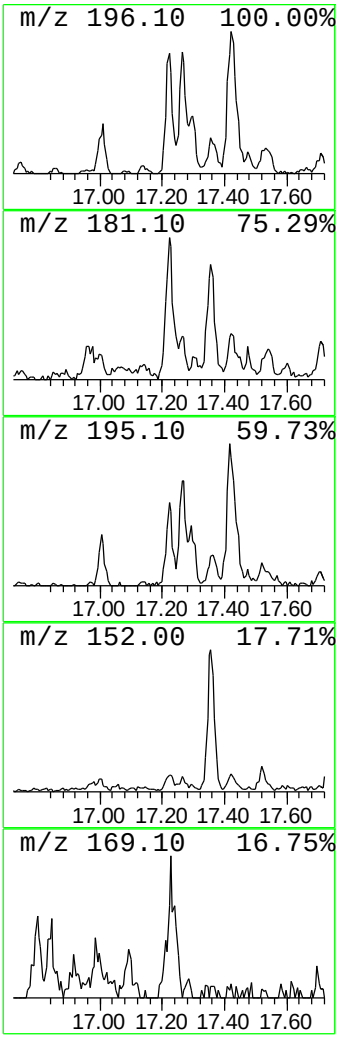
Peak Number 5 Pentamethylmelamine Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.22	3.36 ng/ul	115312	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentamethylmelamine	196	C8H16N6	035832-09-8	58
2	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	45
3	Silane, (4-methoxyphenoxy)trimet...	196	C10H16O2Si	006689-38-9	43
4	Hydrosulfide, (5,6-dimethylthien...	196	C8H8N2S2	1000362-41-8	43
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	38





Library Search Compound Report

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Data File : BG028534.D
Acq On : 29 Aug 2017 1:09
Operator : SJ/JU
Sample : I4905-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AY0

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Quant Title : SVOA CALIBRATION

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

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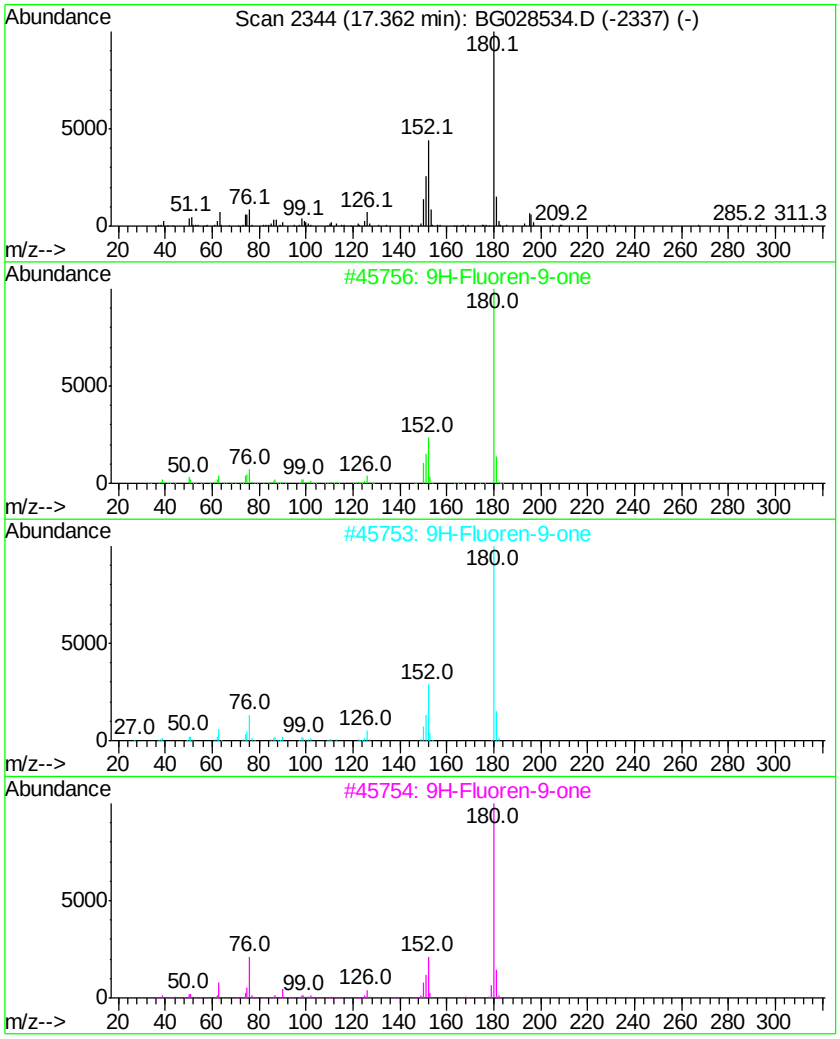
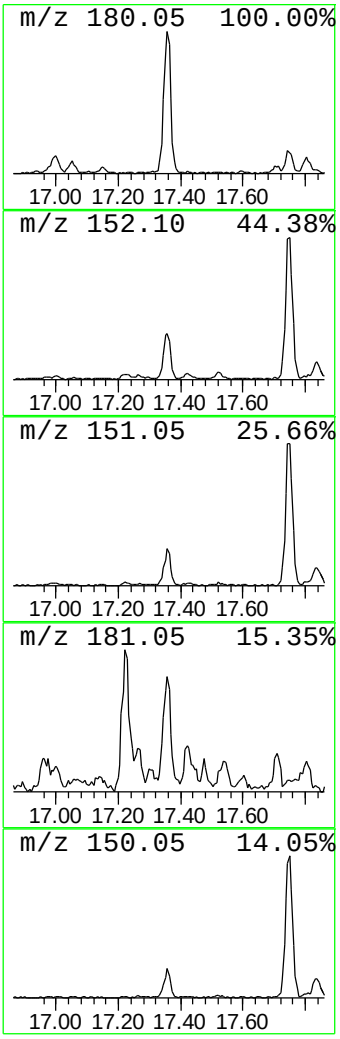
Peak Number 6 9H-Fluoren-9-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.36	6.11 ng/ul	209464	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	72





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Instrument : BNA_G
ClientSampleId : B0AY0

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Quant Title : SVOA CALIBRATION

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

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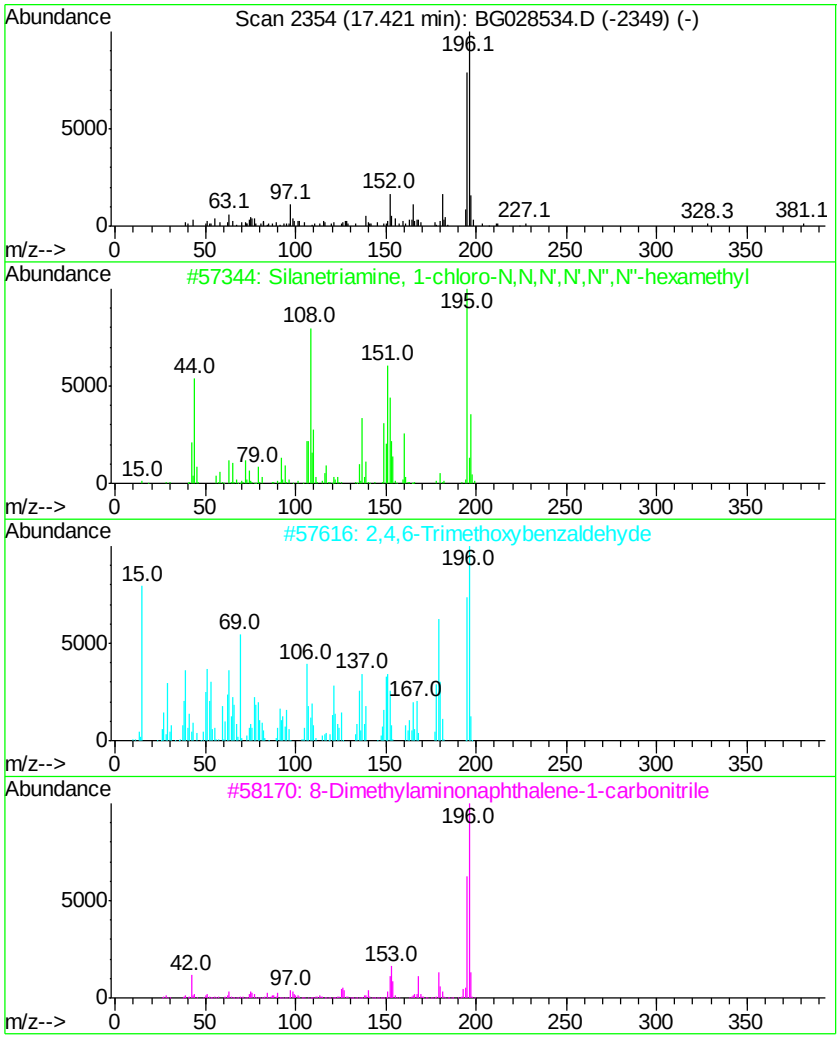
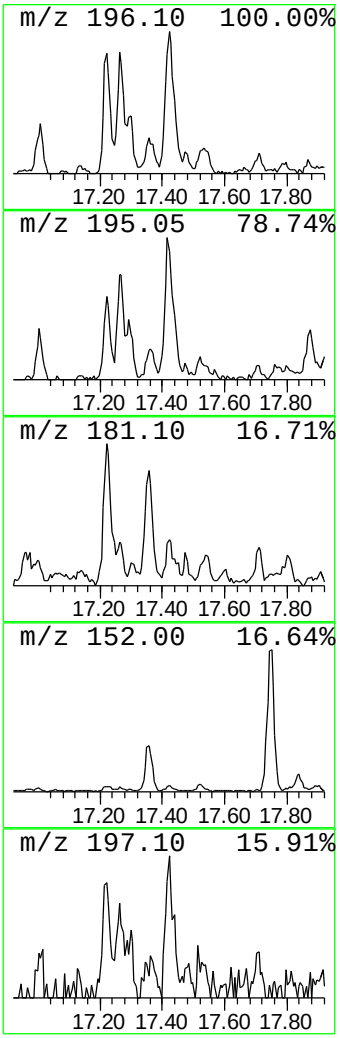
Peak Number 7 Silanetriamine, 1-chloro-N,... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.42	3.34 ng/ul	114605	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silanetriamine, 1-chloro-N,N,N',...	195	C6H18ClN3Si	013307-05-6	64
2	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	58
3	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	56
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	52
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	49





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ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId : B0AY0

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Quant Title : SVOA CALIBRATION

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

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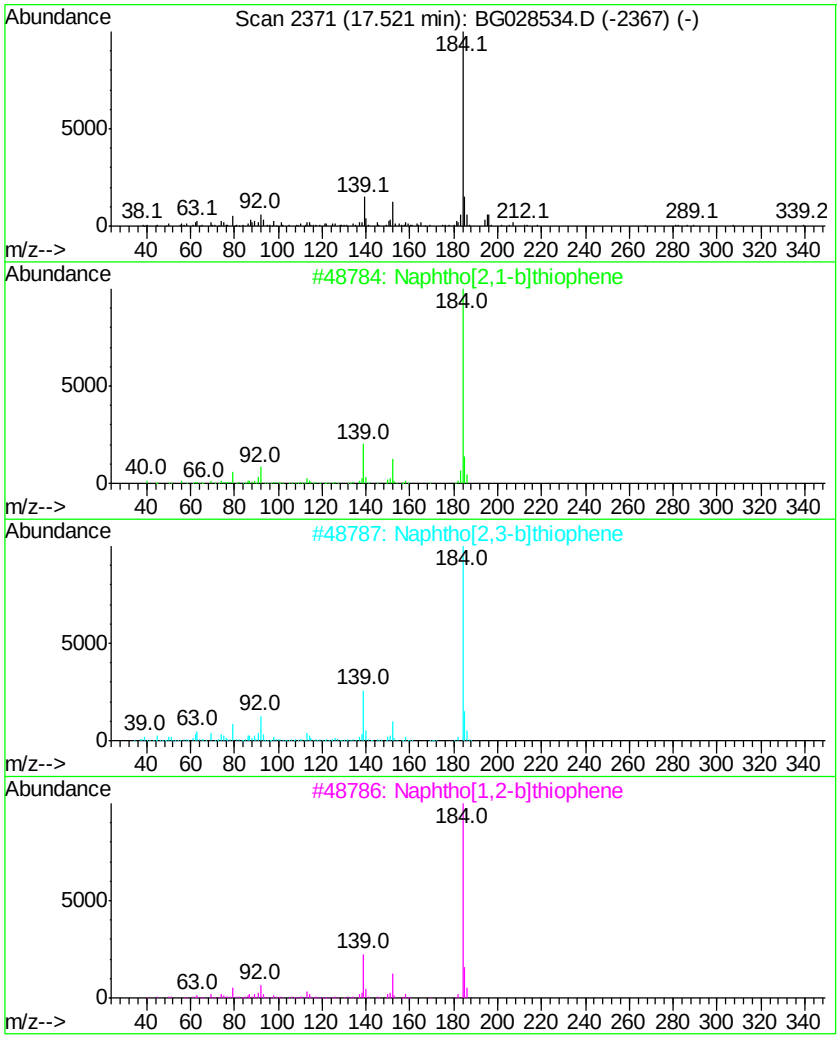
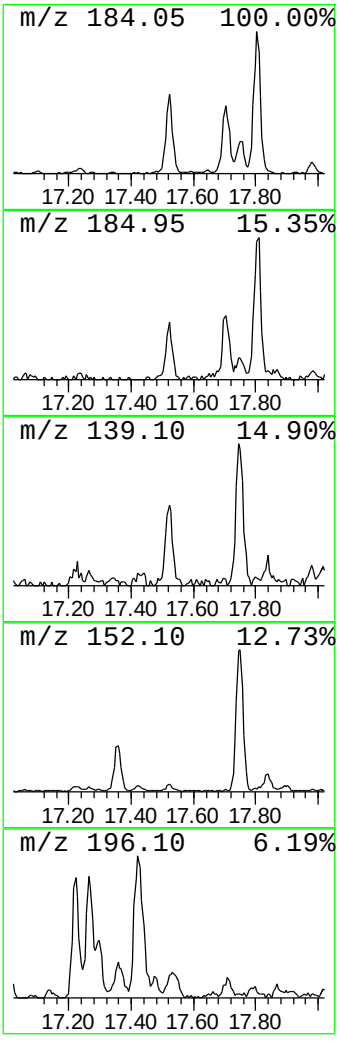
Peak Number 8 Naphtho[2,1-b]thiophene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.52	3.54 ng/ul	121169	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	93
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	93





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Operator : SJ/JU
Sample : I4905-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AY0

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Quant Title : SVOA CALIBRATION

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

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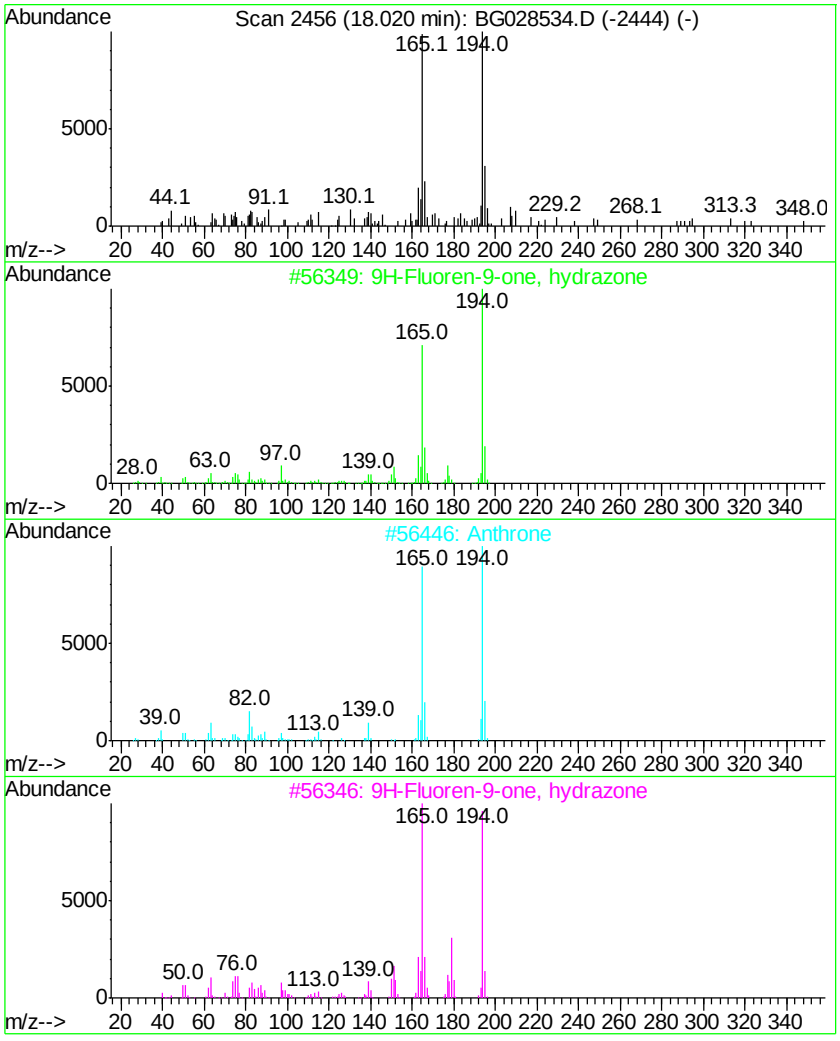
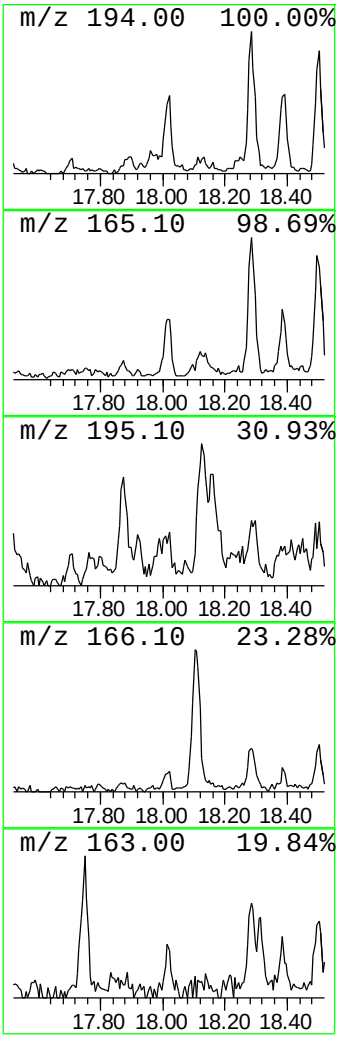
Peak Number 9 9H-Fluoren-9-one, hydrazone Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	2.27 ng/ul	77806	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one, hydrazone	194	C13H10N2	013629-22-6	83
2	Anthrone	194	C14H10O	000090-44-8	81
3	9H-Fluoren-9-one, hydrazone	194	C13H10N2	013629-22-6	74
4	Anthrone	194	C14H10O	000090-44-8	72
5	2-Phenanthrenol	194	C14H10O	000605-55-0	72





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Sample : I4905-05
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ALS Vial : 20 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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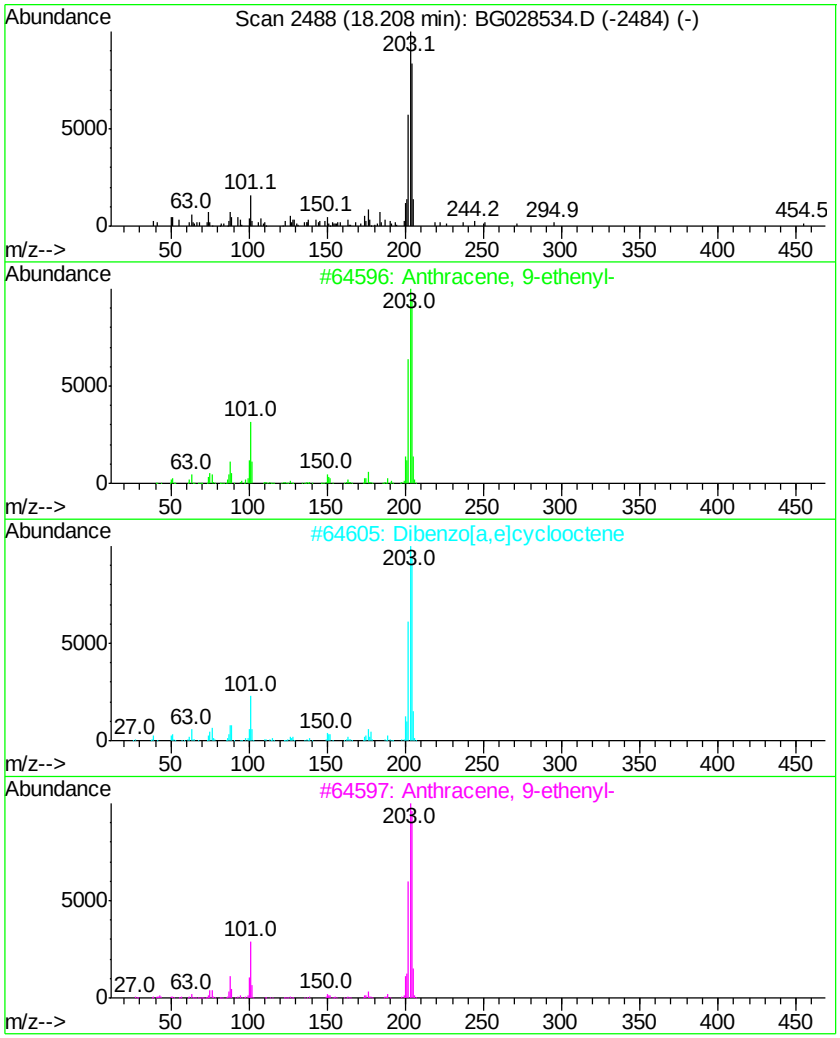
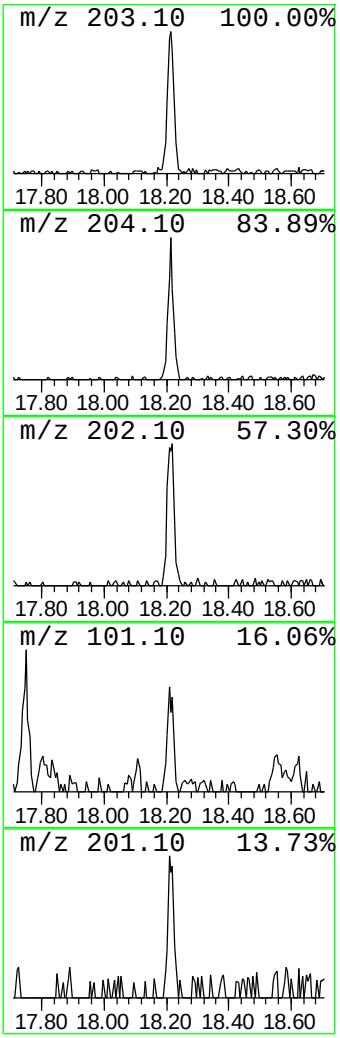
Peak Number 10 Anthracene, 9-ethenyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.21	2.17 ng/ul	74262	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76
2	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	76
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	64
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	62
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	58





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Operator : SJ/JU
Sample : I4905-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AY0

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Quant Title : SVOA CALIBRATION

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

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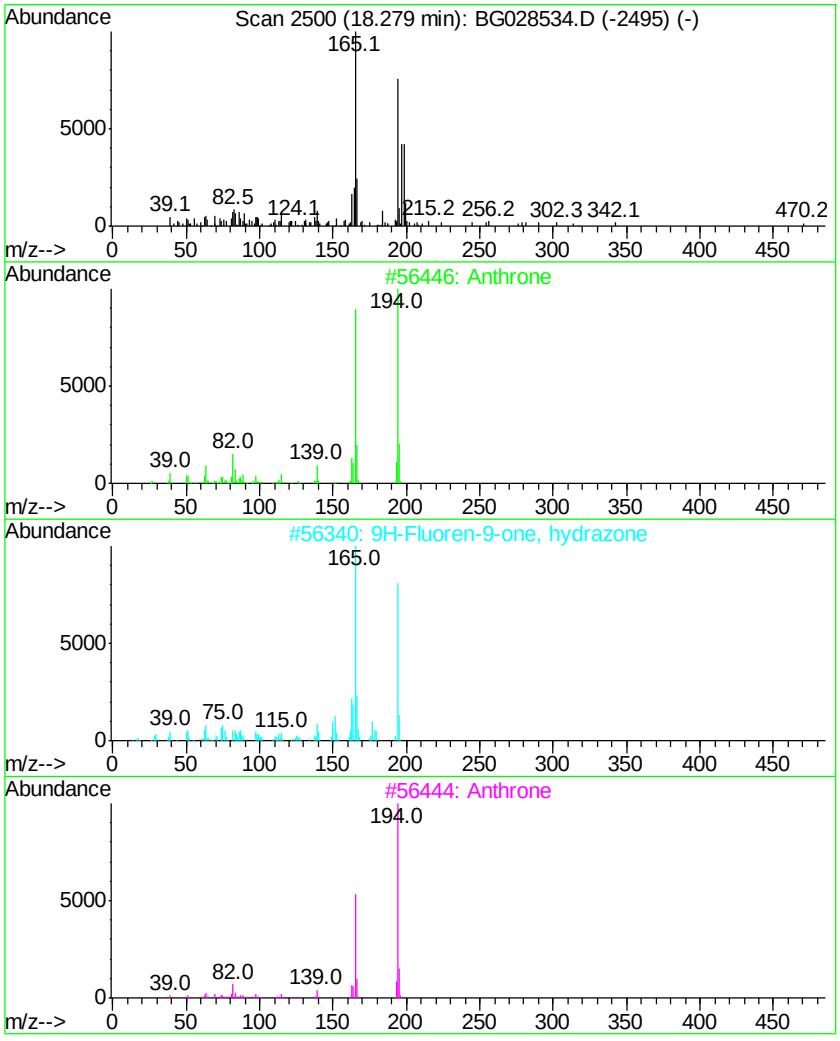
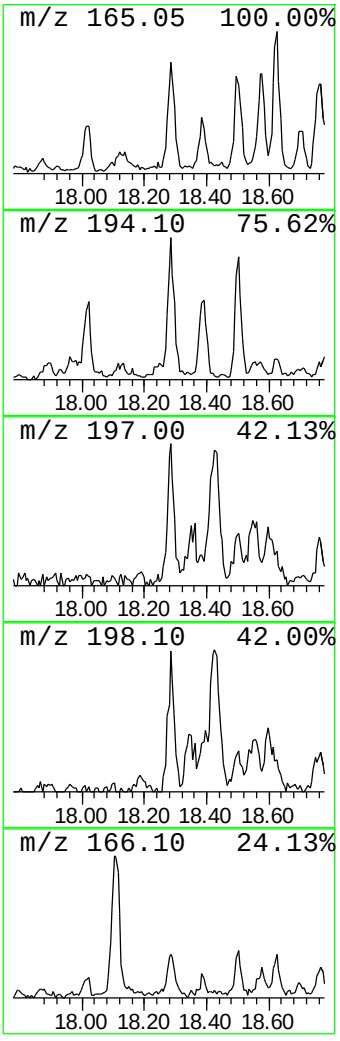
Peak Number 11 Anthrone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	3.66 ng/ul	125515	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	89
2	9H-Fluoren-9-one, hydrazone	194	C13H10N2	013629-22-6	76
3	Anthrone	194	C14H10O	000090-44-8	76
4	Anthrone	194	C14H10O	000090-44-8	76
5	Ethenone, 2,2-diphenyl-	194	C14H10O	000525-06-4	70





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Sample : I4905-05
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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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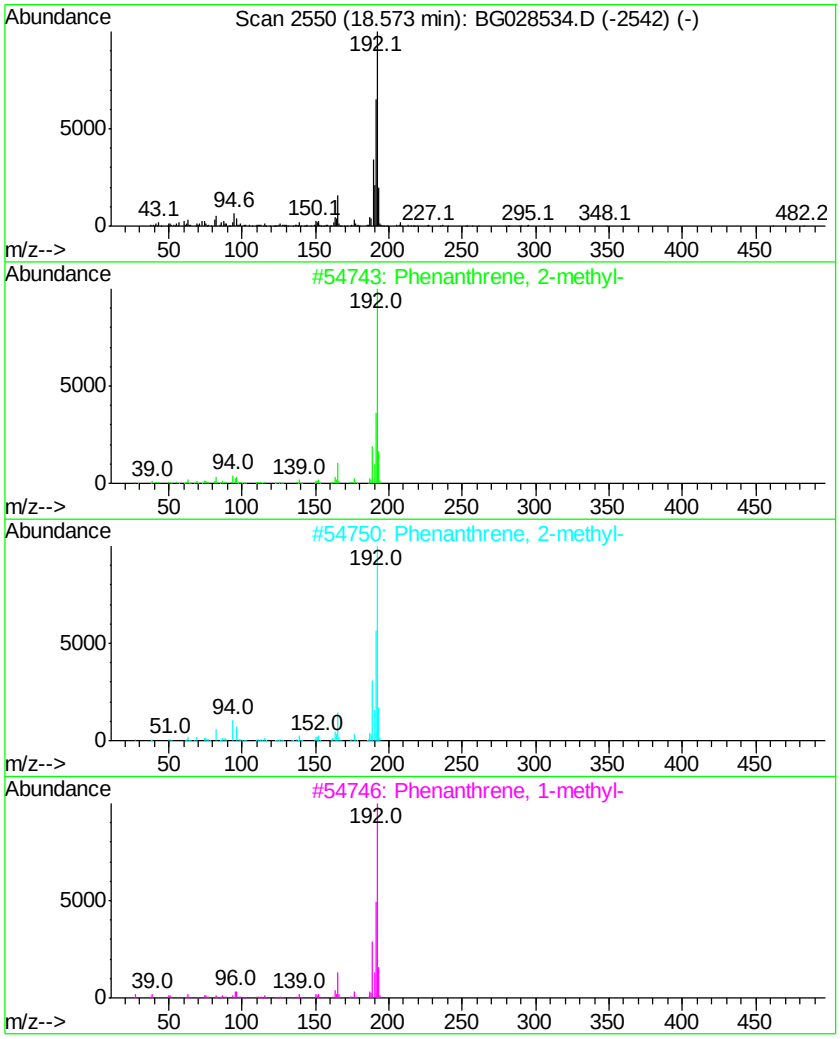
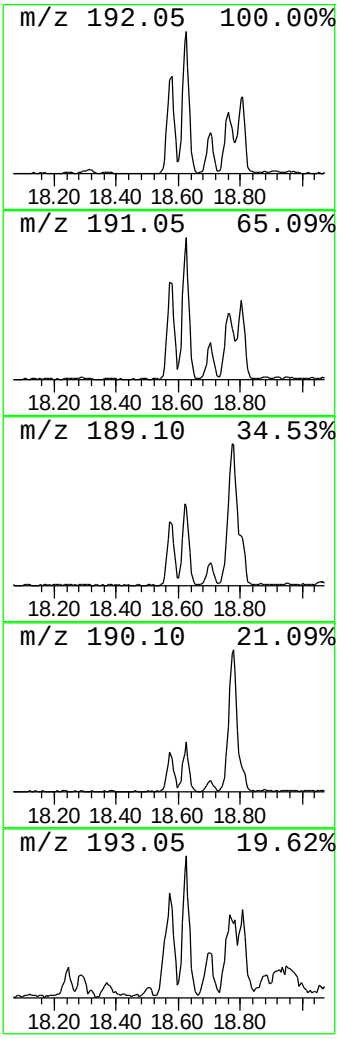
Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	16.61 ng/ul	569313	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	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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ALS Vial : 20 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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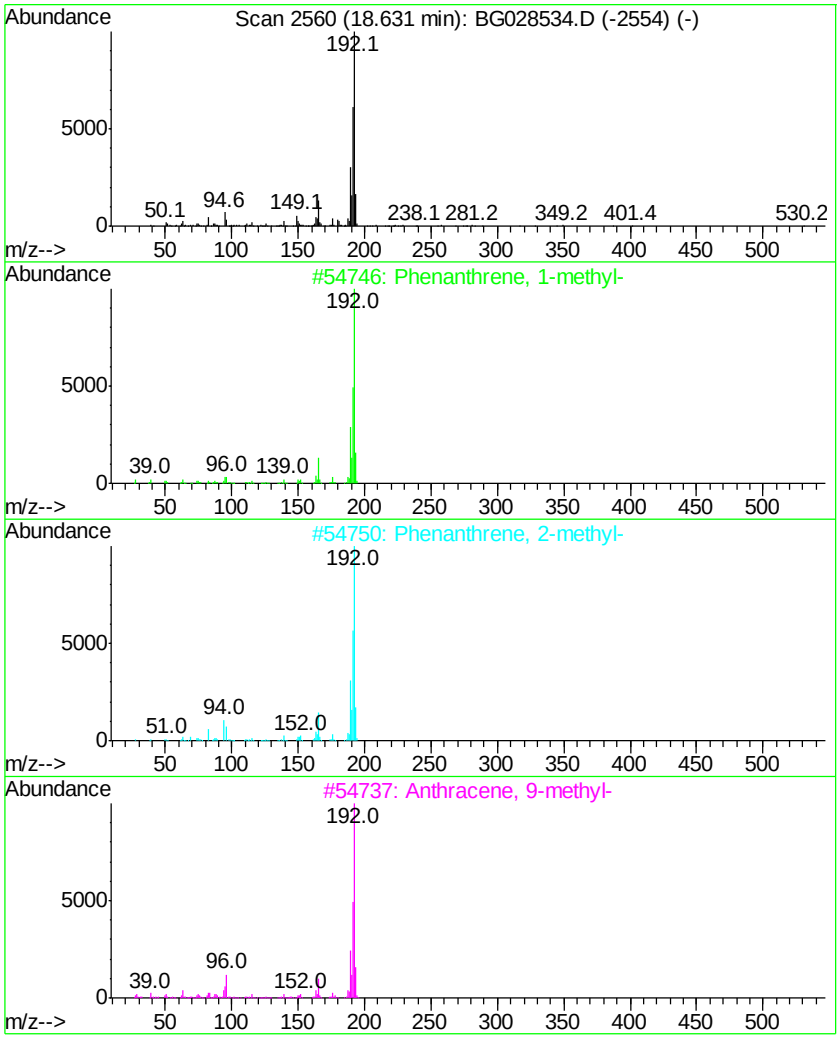
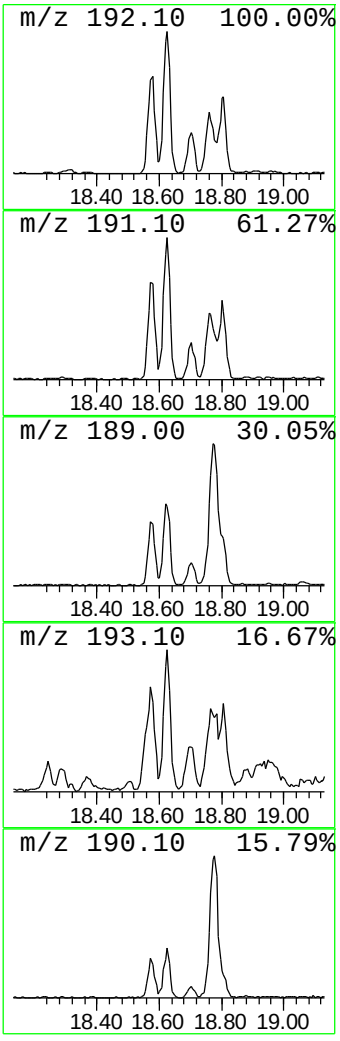
Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	16.98 ng/ul	581980	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Instrument : BNA_G
ClientSampleId : B0AY0

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Quant Title : SVOA CALIBRATION

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

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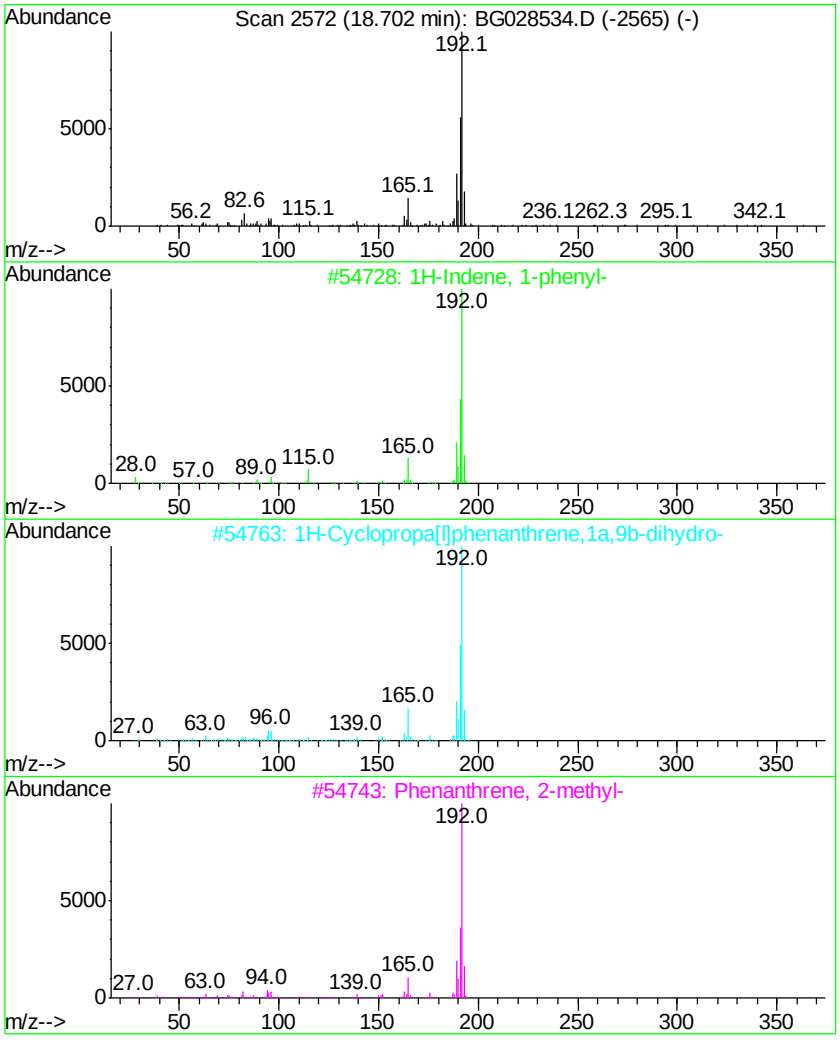
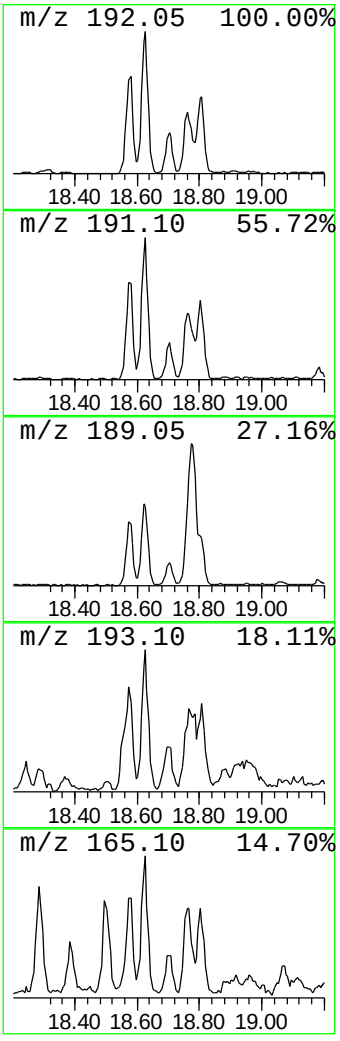
Peak Number 14 1H-Indene, 1-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	4.49 ng/ul	153753	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





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Operator : SJ/JU
Sample : I4905-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AY0

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Quant Title : SVOA CALIBRATION

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

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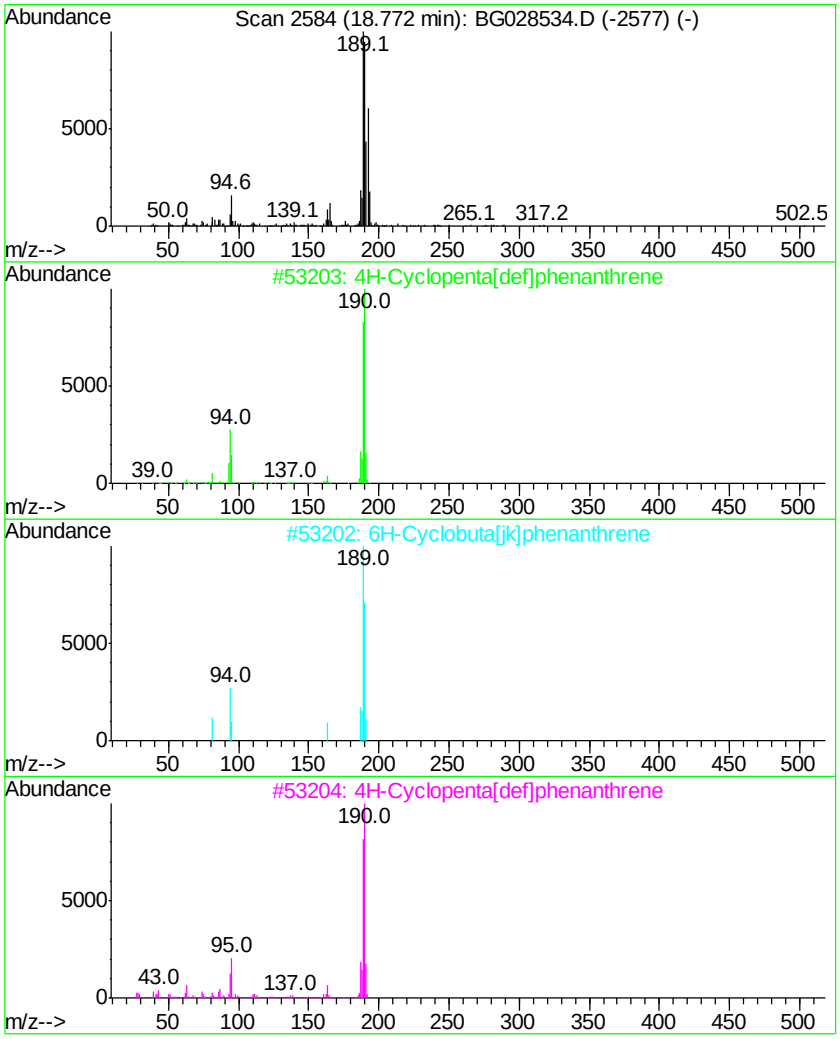
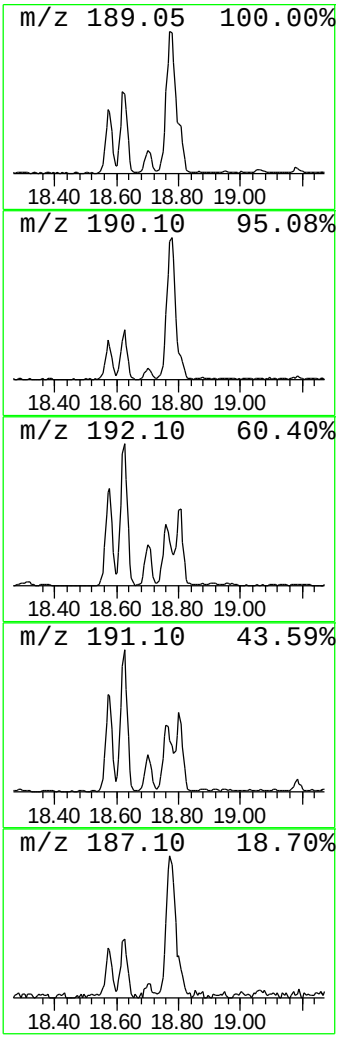
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	17.40 ng/ul	596343	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	45
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	43
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	30





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Sample : I4905-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AY0

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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 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	9.14 ng/ul	313444	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
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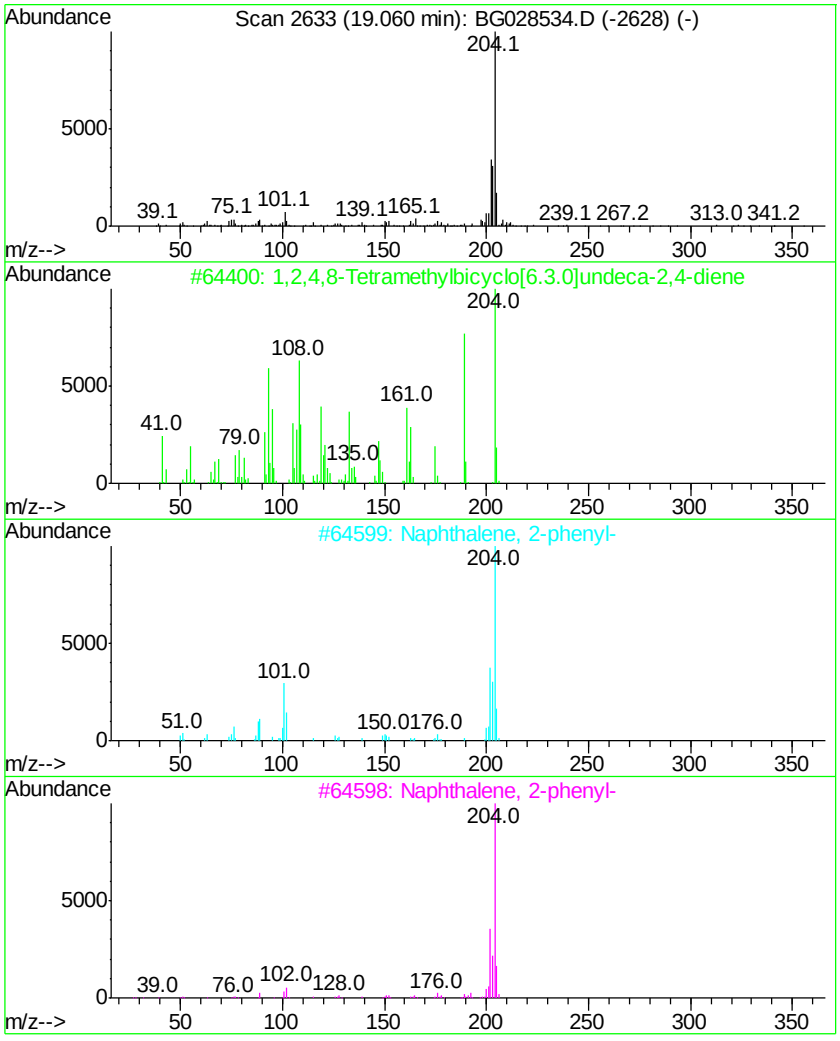

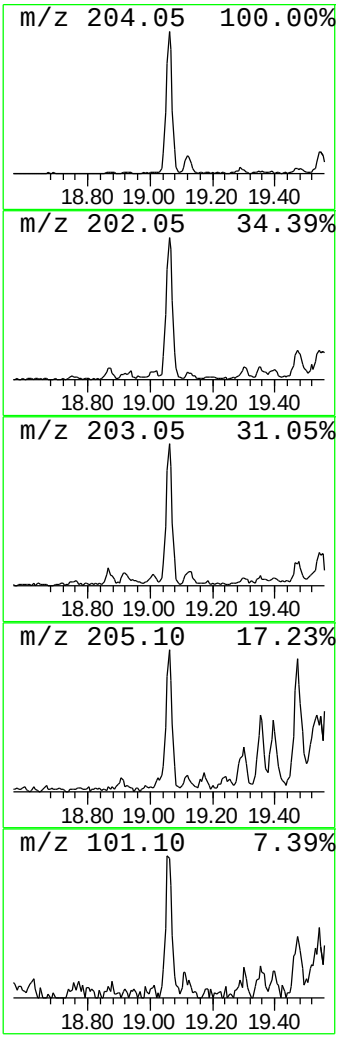

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Misc :
ALS Vial : 20 Sample Multiplier: 1

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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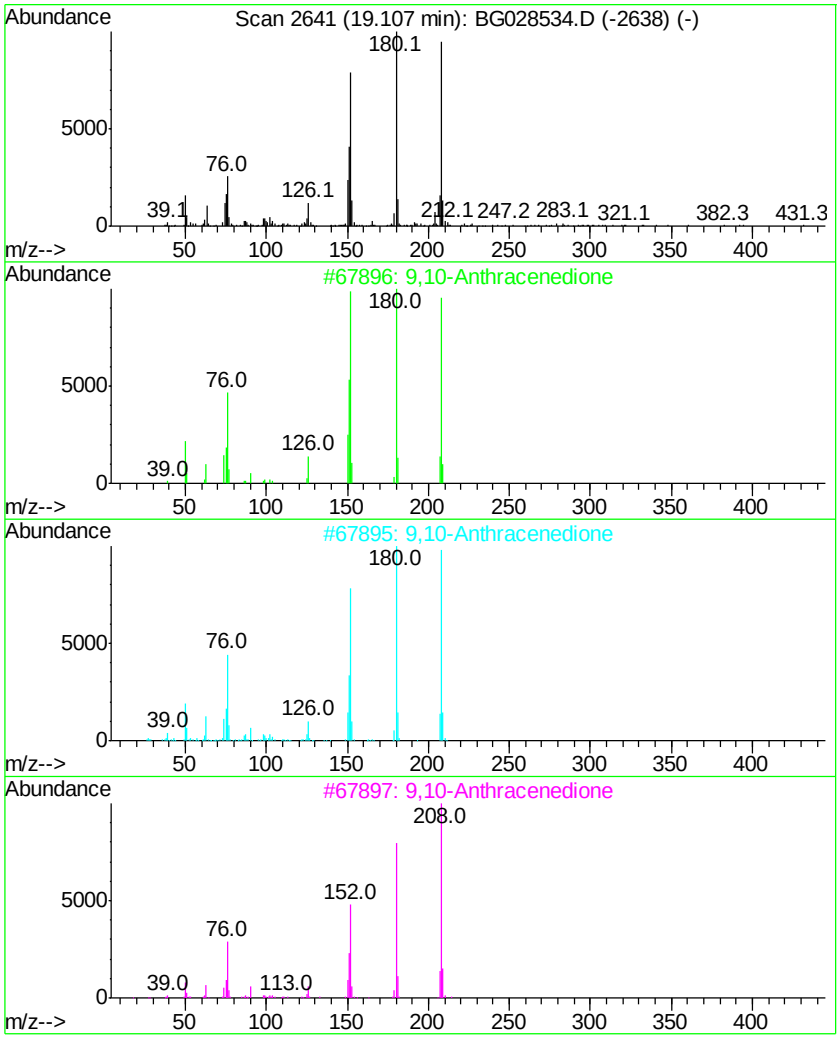
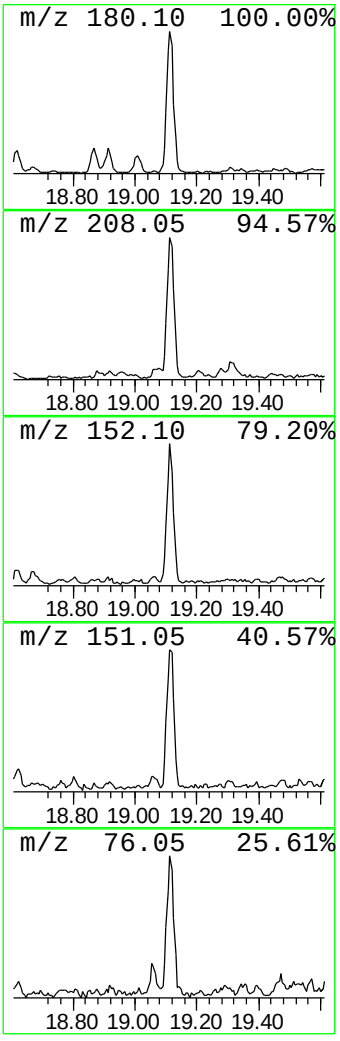
Peak Number 17 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.11	11.70 ng/ul	400956	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	91
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90





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Data File : BG028534.D
Acq On : 29 Aug 2017 1:09
Operator : SJ/JU
Sample : I4905-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AY0

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Quant Title : SVOA CALIBRATION

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

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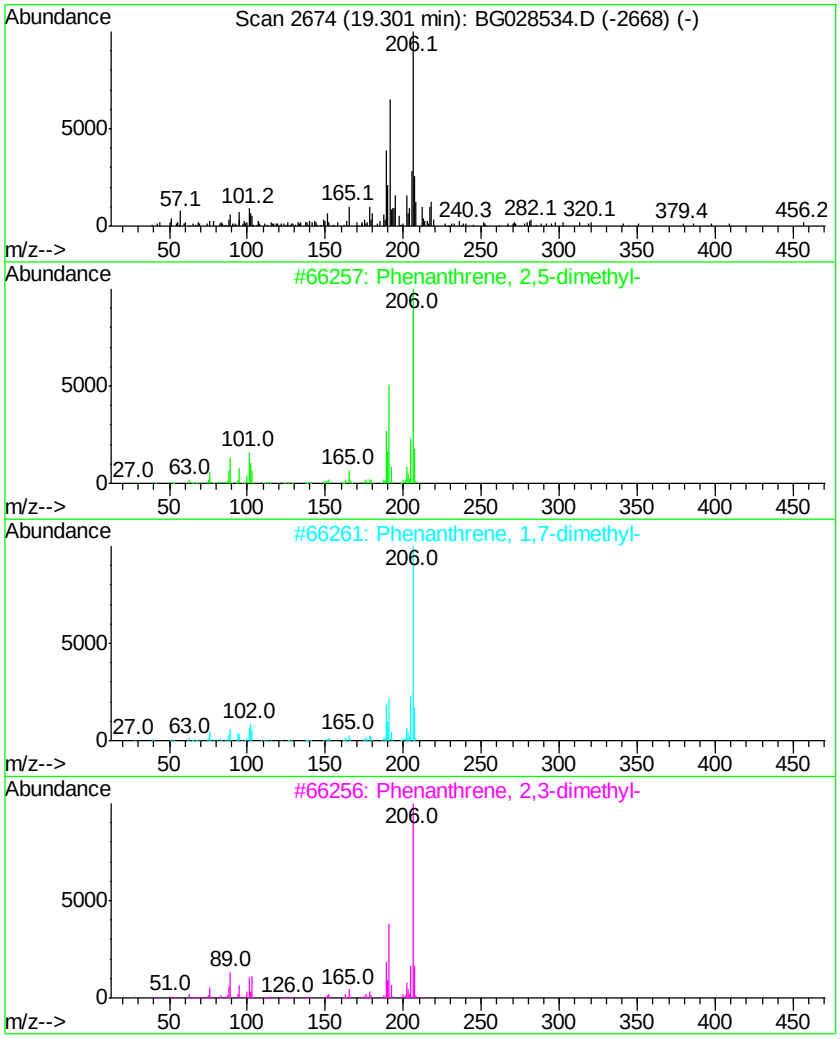
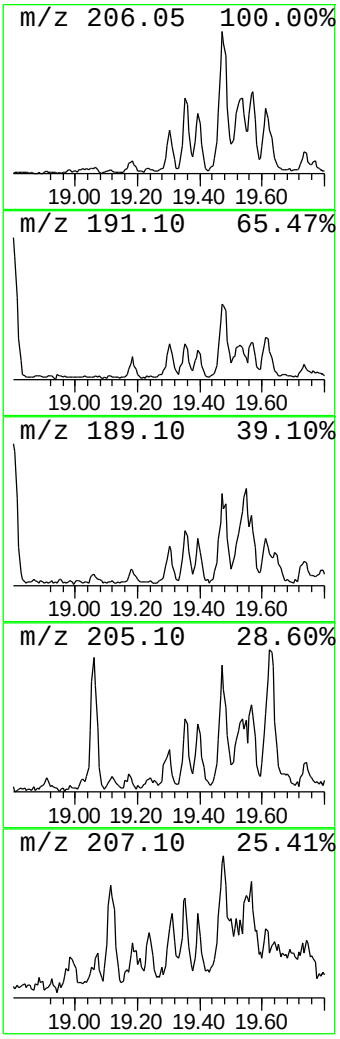
Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.30	3.43 ng/ul	117514	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	81
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	72
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	68
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64





Library Search Compound Report

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Acq On : 29 Aug 2017 1:09
Operator : SJ/JU
Sample : I4905-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AY0

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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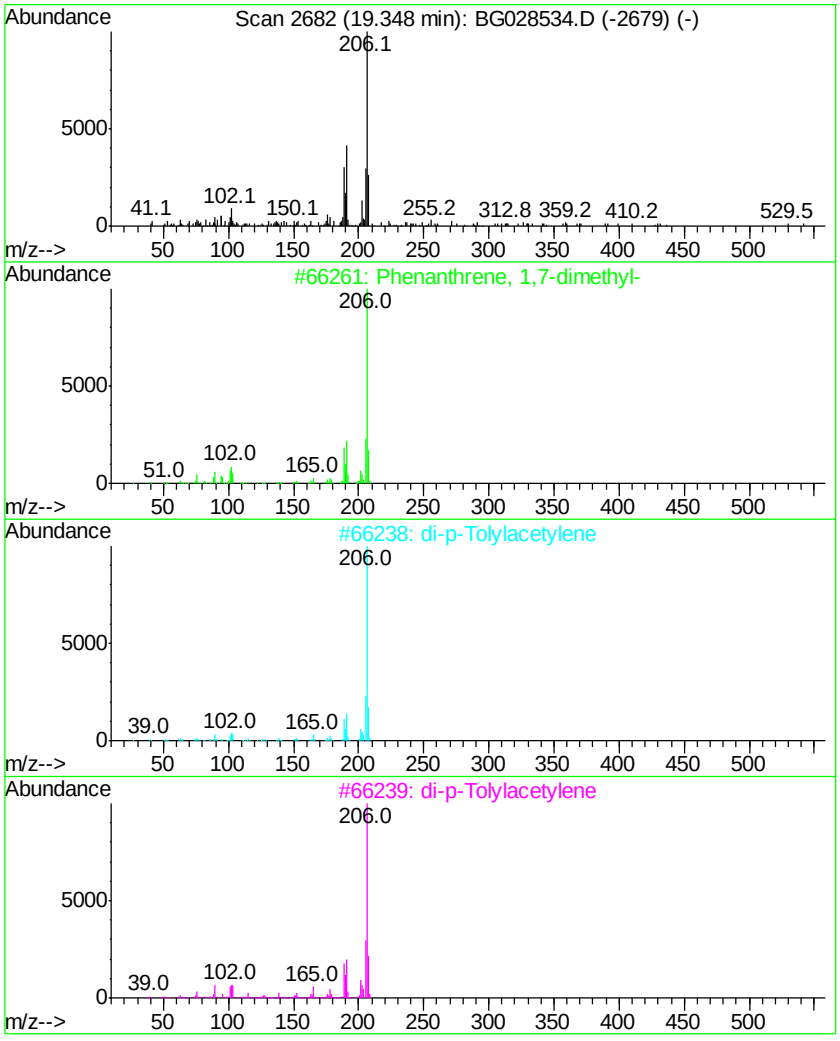
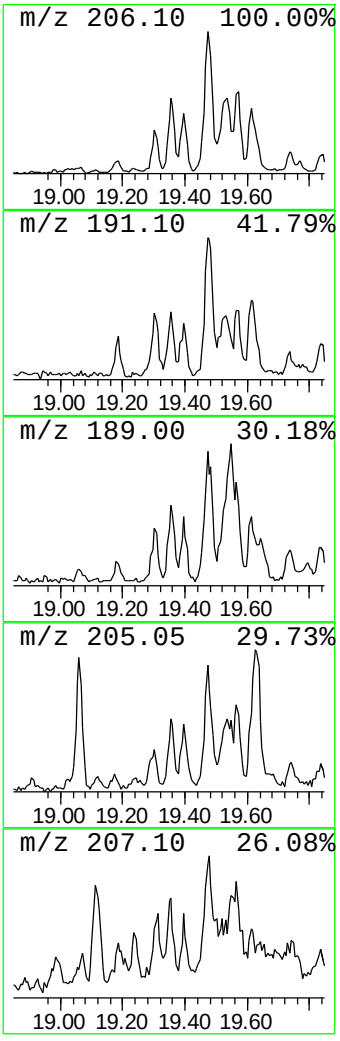
Peak Number 19 Phenanthrene, 1,7-dimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.35	2.55 ng/ul	87479	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	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83





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Operator : SJ/JU
Sample : I4905-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AY0

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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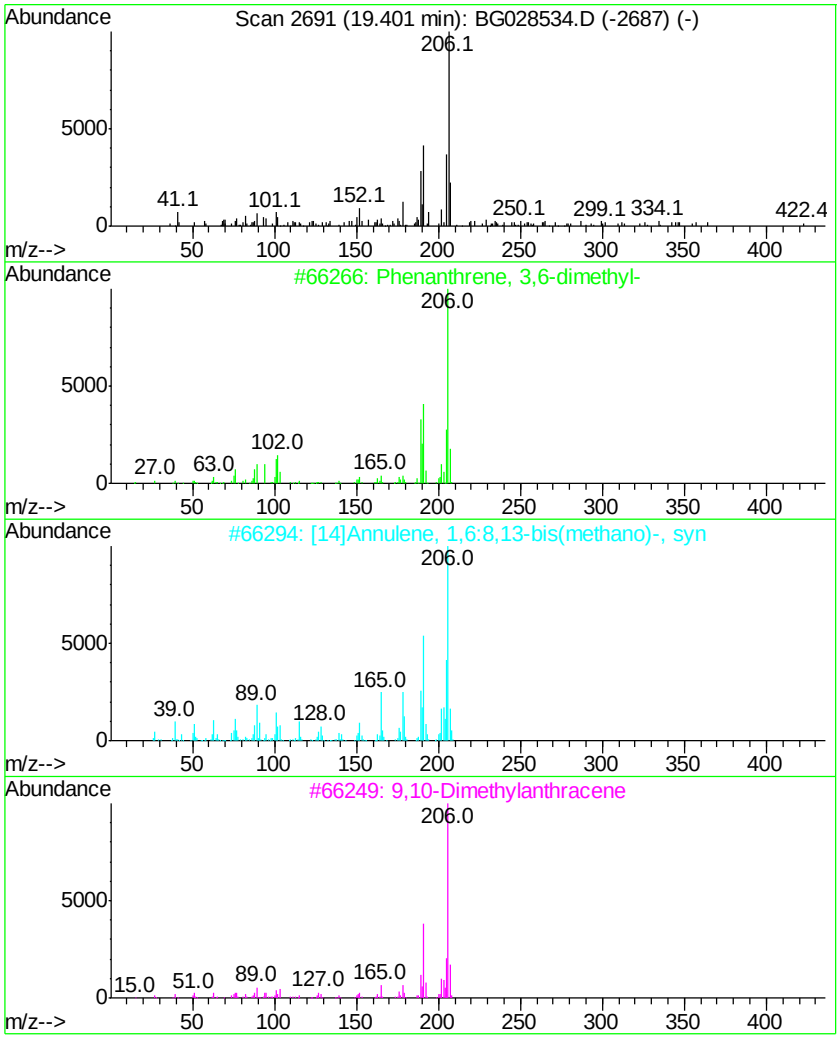
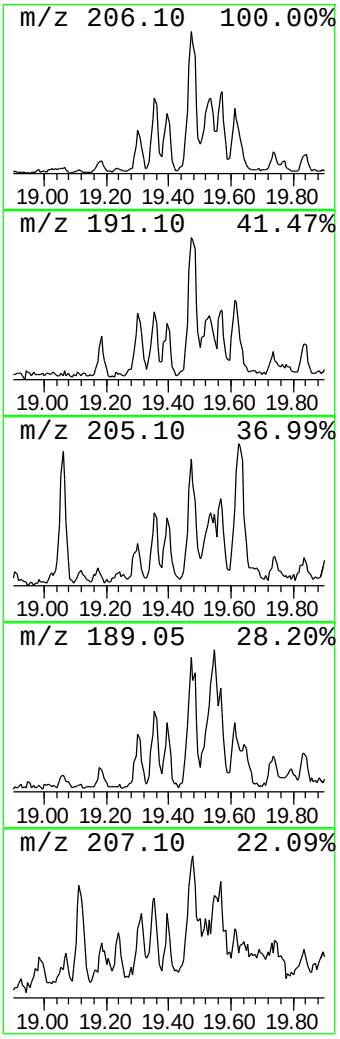
Peak Number 20 Phenanthrene, 3,6-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.40	3.00 ng/ul	102931	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
2	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	72
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	58





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Acq On : 29 Aug 2017 1:09
Operator : SJ/JU
Sample : I4905-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AY0

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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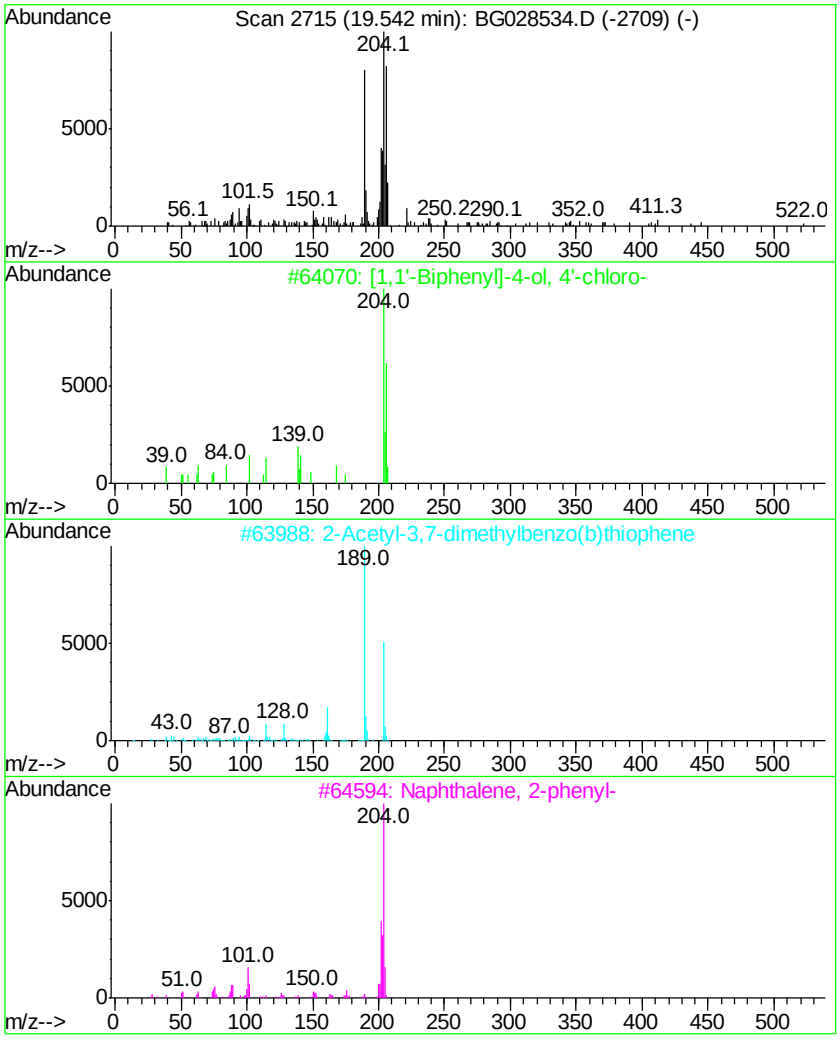
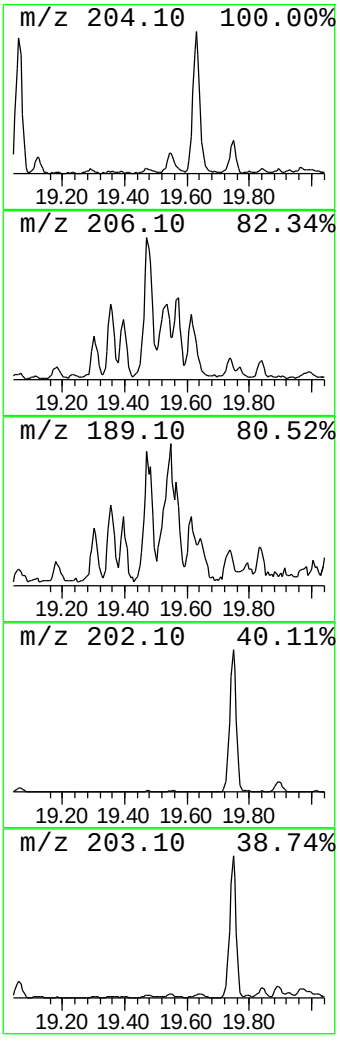
Peak Number 22 unknown-01 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.54	2.49 ng/ul	85355	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	38
2	2-Acetyl-3,7-dimethylbenzo(b)thi...	204	C12H12OS	006179-06-2	35
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	30
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	27





Library Search Compound Report

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Data File : BG028534.D
Acq On : 29 Aug 2017 1:09
Operator : SJ/JU
Sample : I4905-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AY0

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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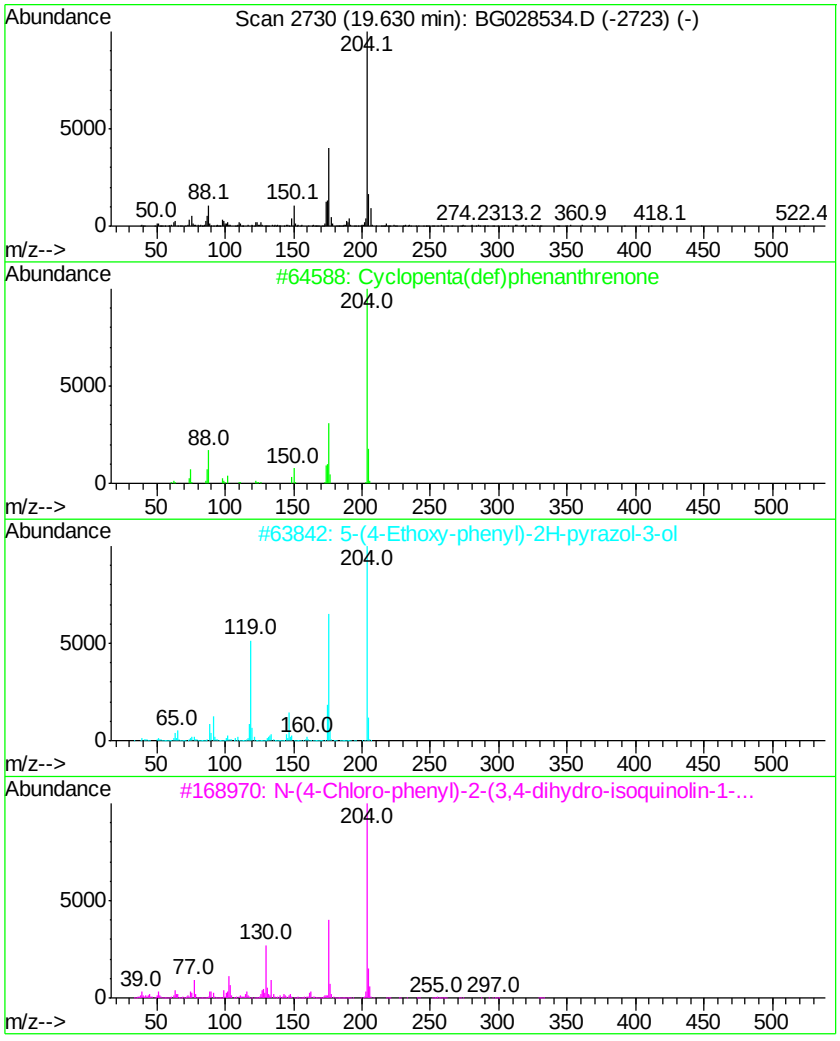
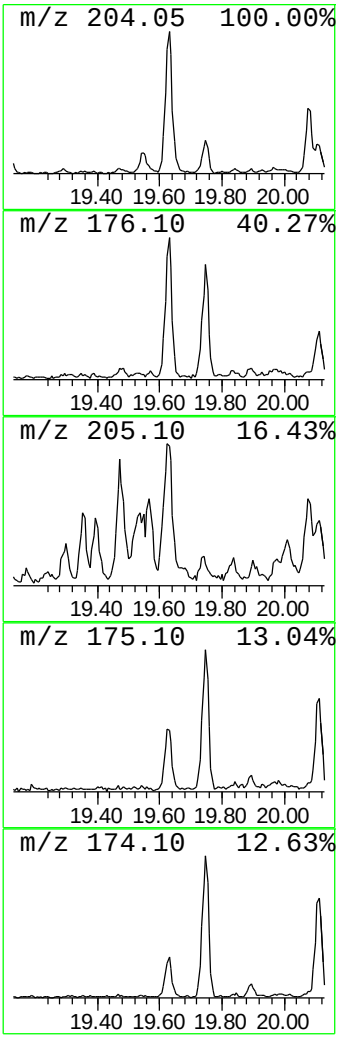
Peak Number 23 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.63	13.14 ng/ul	450362	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	59
3	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	50
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	47
5	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	45





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AY0

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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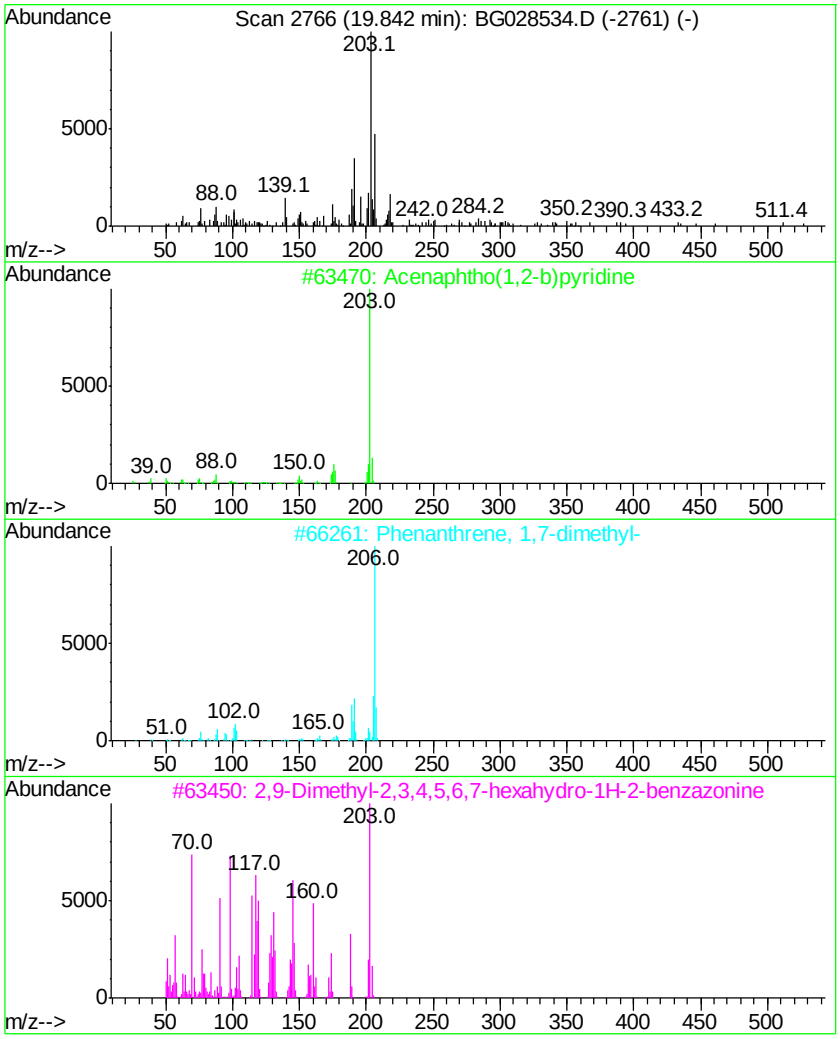
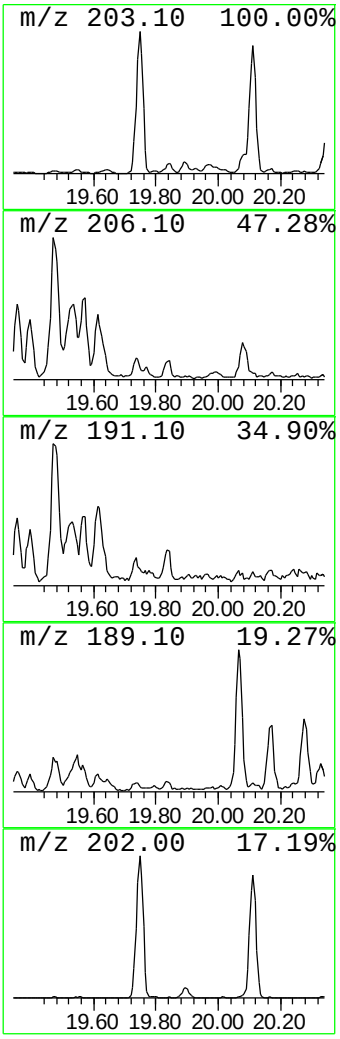
Peak Number 24 Acenaphtho(1,2-b)pyridine Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	3.68 ng/ul	126173	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acenaphtho(1,2-b)pyridine	203	C15H9N	000206-49-5	60
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	38
3	2,9-Dimethyl-2,3,4,5,6,7-hexahyd...	203	C14H21N	077581-11-4	38
4	9,11-Dimethyltetracyclo[7.3.1.0(...	218	C16H26	053263-99-3	38
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	35





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Acq On : 29 Aug 2017 1:09
Operator : SJ/JU
Sample : I4905-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AY0

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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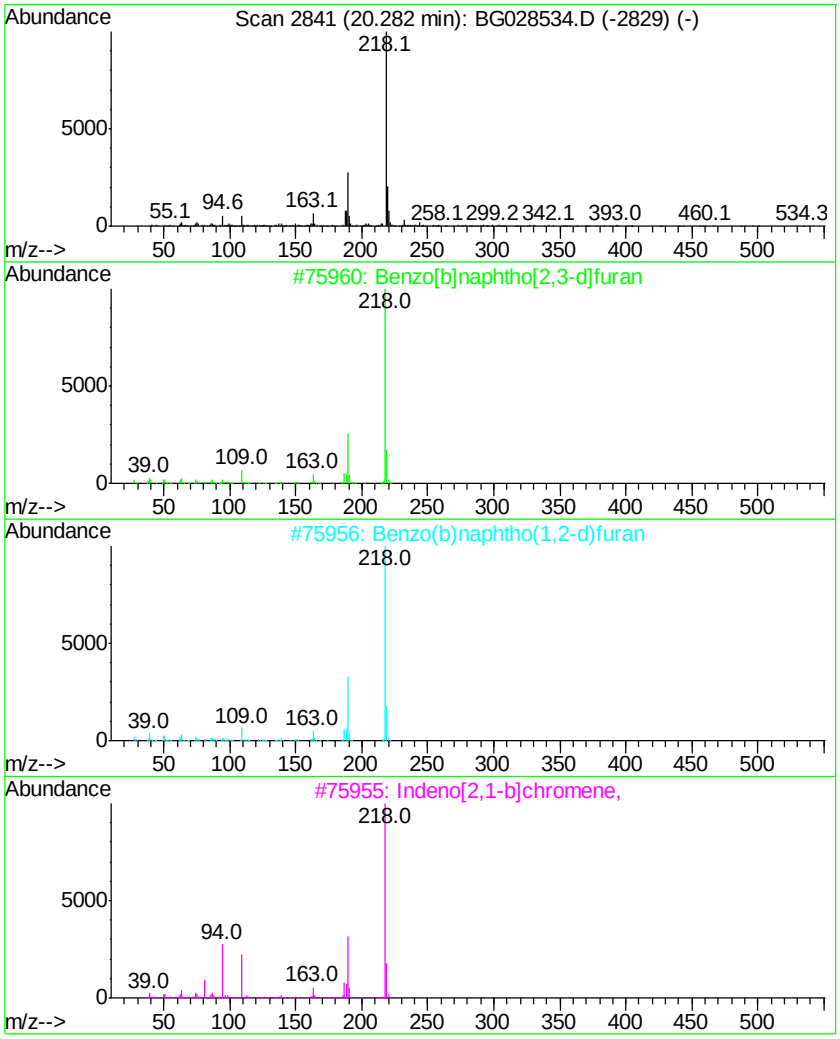
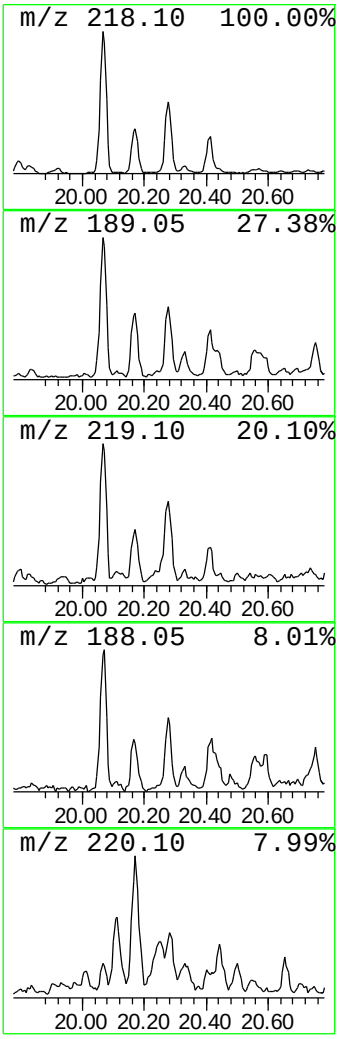
Peak Number 25 Benzo[b]naphtho[2,3-d]furan Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.28	2.56 ng/ul	419451	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	95
2	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	95
3	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	91
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	90
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	90





Library Search Compound Report

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Sample : I4905-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AY0

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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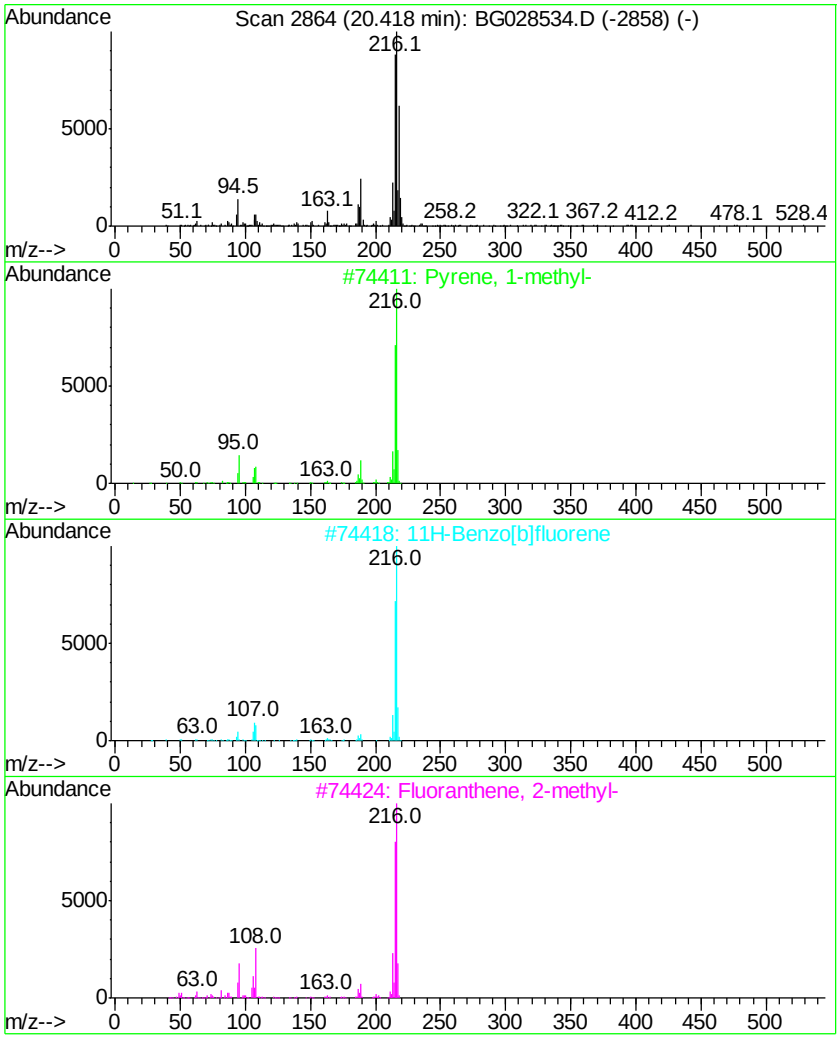
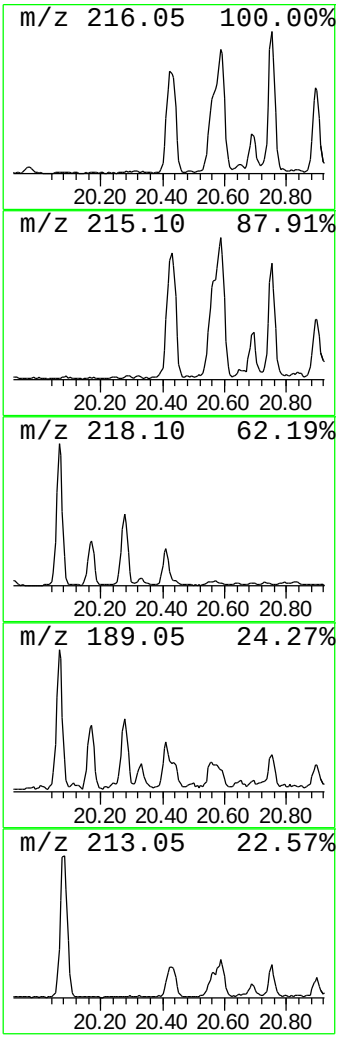
Peak Number 26 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.42	3.82 ng/ul	625709	Chrysene-d12	22.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	74





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Sample : I4905-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AY0

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Quant Title : SVOA CALIBRATION

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

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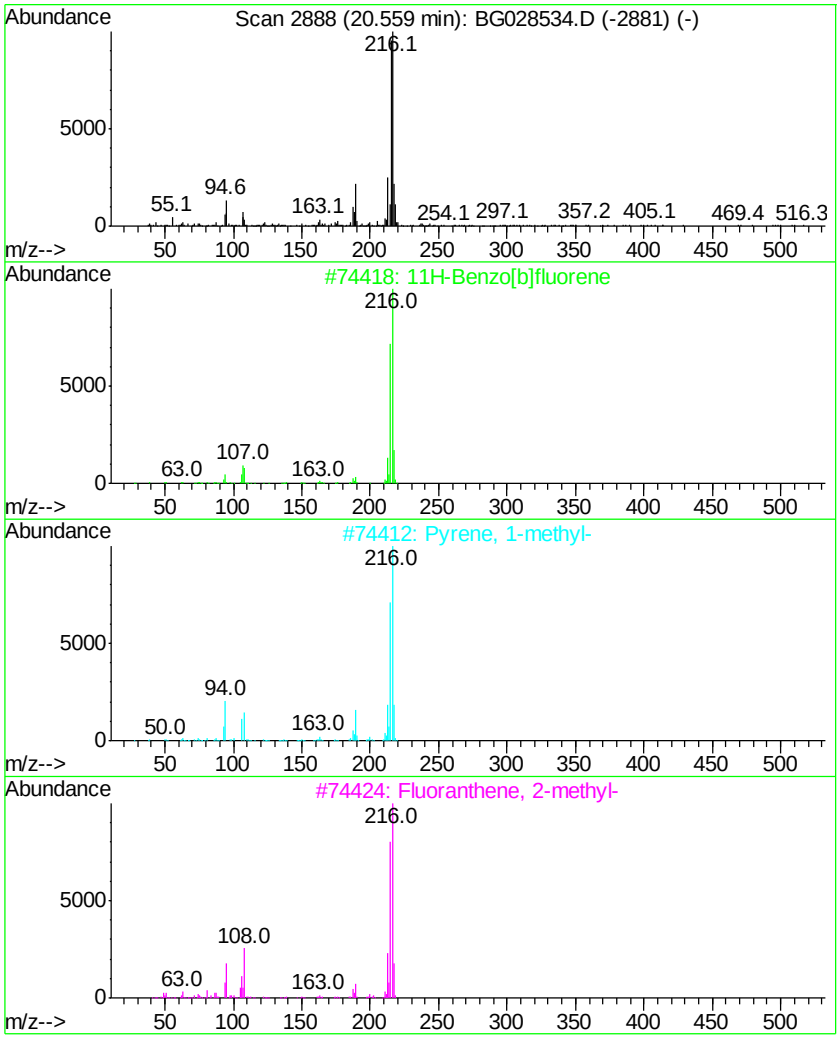
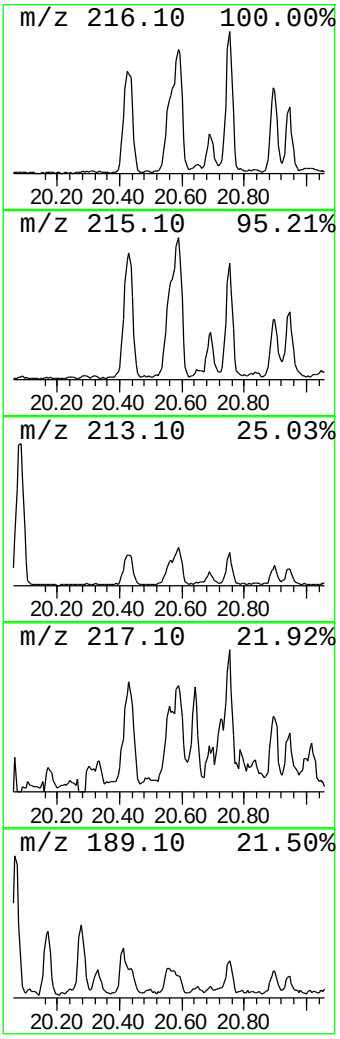
Peak Number 27 11H-Benzo[b]fluorene Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.56	2.12 ng/ul	347587	Chrysene-d12	22.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76





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Sample : I4905-05
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ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AY0

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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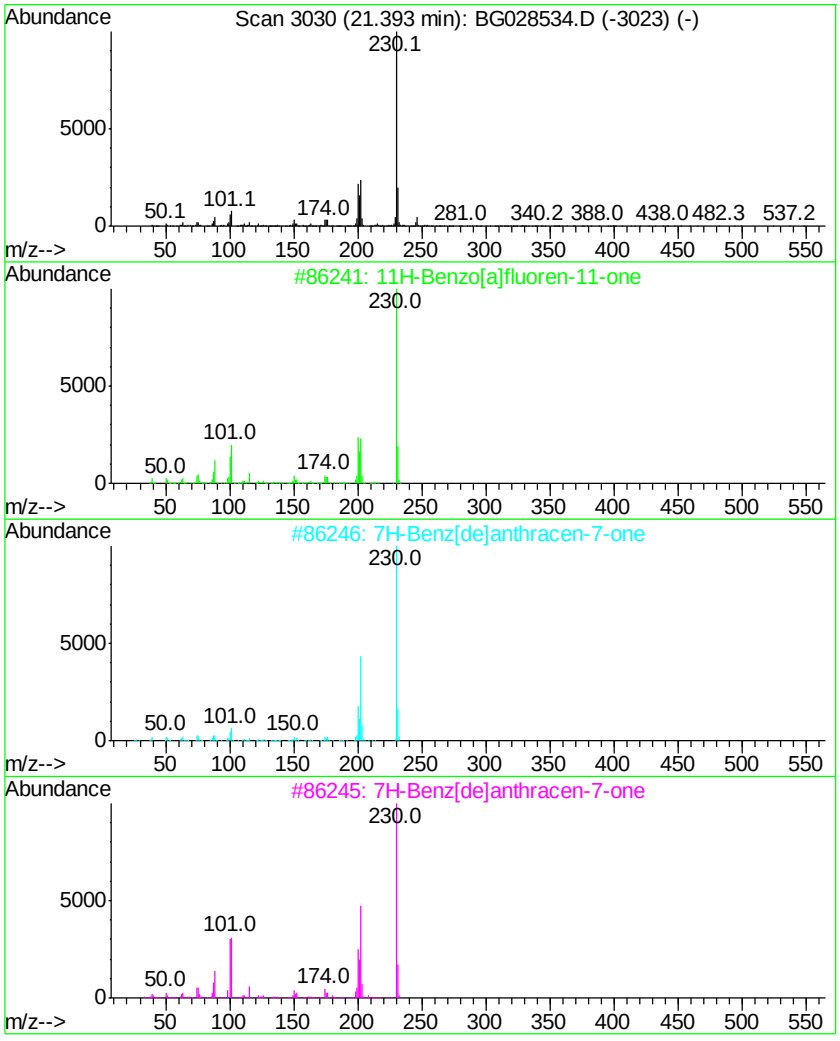
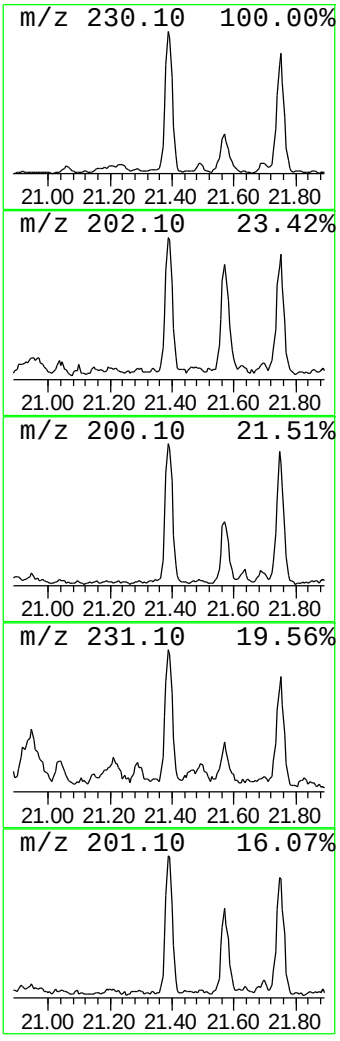
Peak Number 30 11H-Benzo[a]fluoren-11-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.39	4.51 ng/ul	738232	Chrysene-d12	22.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
5	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	80





Library Search Compound Report

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Sample : I4905-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AY0

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Quant Title : SVOA CALIBRATION

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

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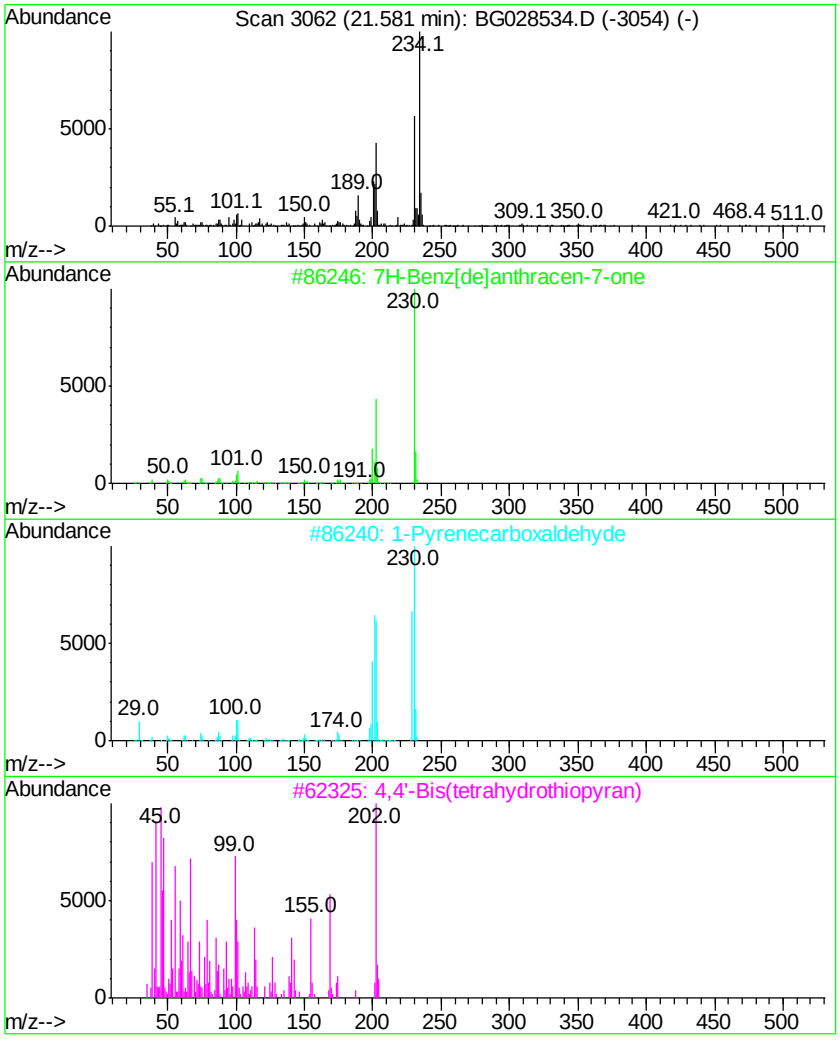
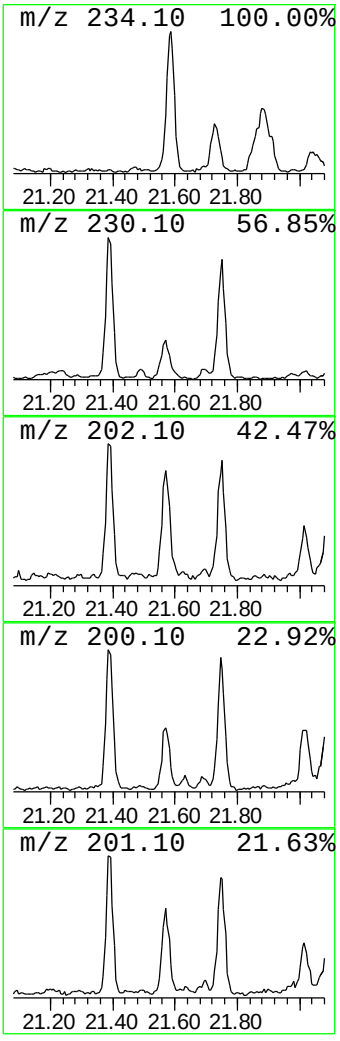
Peak Number 31 7H-Benz[de]anthracen-7-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.58	3.68 ng/ul	602856	Chrysene-d12	22.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	92
2	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	91
3	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	62





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082817\
Data File : BG028534.D
Acq On : 29 Aug 2017 1:09
Operator : SJ/JU
Sample : I4905-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AY0

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...	15.75	2.4	ng/ul	64970	3	14.95	544501	20.0
Dibenzofuran, 4-m...	16.29	3.4	ng/ul	92271	3	14.95	544501	20.0
2,4,6-Cycloheptat...	16.43	3.5	ng/ul	120704	4	17.70	685511	20.0
9H-Fluorene, 4-me...	17.00	2.8	ng/ul	96934	4	17.70	685511	20.0
Pentamethylmelamine	17.22	3.4	ng/ul	115312	4	17.70	685511	20.0
9H-Fluoren-9-one	17.36	6.1	ng/ul	209464	4	17.70	685511	20.0
Silanetriamine, 1...	17.42	3.3	ng/ul	114605	4	17.70	685511	20.0
Naphtho[2,1-b]thi...	17.52	3.5	ng/ul	121169	4	17.70	685511	20.0
9H-Fluoren-9-one,...	18.02	2.3	ng/ul	77806	4	17.70	685511	20.0
Anthracene, 9-eth...	18.21	2.2	ng/ul	74262	4	17.70	685511	20.0
Anthrone	18.28	3.7	ng/ul	125515	4	17.70	685511	20.0
Phenanthrene, 2-m...	18.57	16.6	ng/ul	569313	4	17.70	685511	20.0
Phenanthrene, 1-m...	18.63	17.0	ng/ul	581980	4	17.70	685511	20.0
1H-Indene, 1-phenyl-	18.70	4.5	ng/ul	153753	4	17.70	685511	20.0
4H-Cyclopenta[def...	18.77	17.4	ng/ul	596343	4	17.70	685511	20.0
1,2,4,8-Tetrameth...	19.06	9.1	ng/ul	313444	4	17.70	685511	20.0
9,10-Anthracenedione	19.11	11.7	ng/ul	400956	4	17.70	685511	20.0
Phenanthrene, 2,5...	19.30	3.4	ng/ul	117514	4	17.70	685511	20.0
Phenanthrene, 1,7...	19.35	2.5	ng/ul	87479	4	17.70	685511	20.0
Phenanthrene, 3,6...	19.40	3.0	ng/ul	102931	4	17.70	685511	20.0
unknown-01	19.54	2.5	ng/ul	85355	4	17.70	685511	20.0
Cyclopenta(def)ph...	19.63	13.1	ng/ul	450362	4	17.70	685511	20.0
Acenaphtho(1,2-b)...	19.84	3.7	ng/ul	126173	4	17.70	685511	20.0
Benzo[b]naphtho[2...	20.28	2.6	ng/ul	419451	5	22.04	3277060	20.0
Pyrene, 1-methyl-	20.42	3.8	ng/ul	625709	5	22.04	3277060	20.0
11H-Benzo[b]fluorene	20.56	2.1	ng/ul	347587	5	22.04	3277060	20.0
11H-Benzo[a]fluor...	21.39	4.5	ng/ul	738232	5	22.04	3277060	20.0
7H-Benz[de]anthra...	21.58	3.7	ng/ul	602856	5	22.04	3277060	20.0