LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027519.D
Acq On : 17 Jun 2017 23:07
Operator : SJ/MA
Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24

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-BG061617.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	8.518	775	788	798	rVB	182252	328448	5.17%	0.565%
2	11.338	1260	1268	1272	rBV	301243	567053	8.93%	0.975%
3	11.385	1272	1276	1285	rVB	133535	252376	3.97%	0.434%
4	12.954	1534	1543	1553	rVB	79536	135342	2.13%	0.233%
5	13.171	1569	1580	1587	rVB	60090	107734	1.70%	0.185%
6	14.276	1755	1768	1777	rBV3	42509	112305	1.77%	0.193%
7	14.423	1782	1793	1798	rBV2	67122	136955	2.16%	0.236%
8	15.104	1896	1909	1914	rBV2	492922	869236	13.68%	1.495%
9	15.169	1914	1920	1926	rVB	578305	931226	14.66%	1.602%
10	15.498	1968	1976	1982	rVV	212260	380753	5.99%	0.655%
11	16.144	2080	2086	2094	rVV	465921	792185	12.47%	1.362%
12	16.268	2104	2107	2110	rVV2	74536	125830	1.98%	0.216%
13	16.303	2110	2113	2118	rVV2	77458	133003	2.09%	0.229%
14	16.432	2131	2135	2143	rVB	106027	184525	2.90%	0.317%
15	16.579	2143	2160	2168	rBV	110362	281038	4.42%	0.483%
16	16.785	2188	2195	2210	rVB5	74332	182144	2.87%	0.313%
17	17.149	2244	2257	2261	rVV3	112043	291294	4.59%	0.501%
18	17.196	2261	2265	2271	rVV3	54381	117978	1.86%	0.203%
19	17.296	2271	2282	2287	rVV5	62350	163662	2.58%	0.281%
20	17.372	2287	2295	2298	rVV3	66137	153134	2.41%	0.263%
21	17.413	2298	2302	2311	rVV2	65365	166110	2.62%	0.286%
22	17.502	2311	2317	2324	rVV4	44881	108524	1.71%	0.187%
23	17.572	2324	2329	2341	rVV4	81997	265013	4.17%	0.456%
24	17.672	2341	2346	2363	rVB	133678	245260	3.86%	0.422%
25	17.854	2370	2377	2380	rBV	594754	964774	15.19%	1.659%
26	17.901	2380	2385	2391	rVV	1455793	2353009	37.04%	4.047%
27	17.989	2391	2400	2405	rVV	482341	823589	12.97%	1.416%
28	18.042	2405	2409	2414	rVB	70743	124085	1.95%	0.213%
29	18.254	2438	2445	2460	rBV2	157702	401871	6.33%	0.691%
30	18.365	2460	2464	2472	rBV2	53206	114532	1.80%	0.197%
31	18.724	2508	2525	2529	rBV	229347	444144	6.99%	0.764%
32	18.771	2529	2533	2539	rVB	304911	466788	7.35%	0.803%
33	18.847	2539	2546	2551	rBV	150400	258241	4.07%	0.444%
34	18.924	2551	2559	2571	rBV2	706903	1469685	23.14%	2.528%

LSC Area Percent Report

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Data File : BG027519.D
Acq On : 17 Jun 2017 23:07
Operator : SJ/MA
Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24

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-BG061617.M
Title : SVOA CALIBRATION

35	19.206	2602	2607	2611	rBV	171097	257274	4.05%	0.442%
36	19.258	2611	2616	2623	rVB	200693	309876	4.88%	0.533%
37	19.452	2640	2649	2653	rVV3	68606	131248	2.07%	0.226%
38	19.499	2653	2657	2660	rVV2	66703	96861	1.52%	0.167%
39	19.617	2671	2677	2683	rBV	168144	311847	4.91%	0.536%
40	19.687	2683	2689	2697	rVB3	115410	281262	4.43%	0.484%
41	19.775	2697	2704	2711	rBV5	92045	224138	3.53%	0.385%
42	19.899	2711	2725	2730	rBV	3872855	6352138	100.00%	10.924%
43	19.981	2735	2739	2744	rVB3	98401	145392	2.29%	0.250%
44	20.075	2750	2755	2759	rBV4	72786	135485	2.13%	0.233%
45	20.134	2759	2765	2774	rVB2	143026	341535	5.38%	0.587%
46	20.216	2774	2779	2781	rBV	625187	971410	15.29%	1.671%
47	20.257	2781	2786	2792	rVV	3119883	4877449	76.78%	8.388%
48	20.310	2792	2795	2802	rVB	192574	296482	4.67%	0.510%
49	20.422	2802	2814	2819	rBV	219580	429232	6.76%	0.738%
50	20.492	2819	2826	2831	rVB	110649	213099	3.35%	0.366%
51	20.569	2831	2839	2845	rBV3	307044	779740	12.28%	1.341%
52	20.733	2854	2867	2873	rVV	653983	1527303	24.04%	2.627%
53	20.839	2878	2885	2889	rBV	504588	841663	13.25%	1.447%
54	20.904	2889	2896	2900	rVV2	297689	670123	10.55%	1.152%
55	20.939	2900	2902	2905	rVB2	85612	95365	1.50%	0.164%
56	20.980	2906	2909	2914	rVB2	78252	123784	1.95%	0.213%
57	21.050	2915	2921	2925	rVV	222043	386427	6.08%	0.665%
58	21.097	2925	2929	2940	rVV2	182644	395854	6.23%	0.681%
59	21.191	2940	2945	2957	rVB10	48129	134928	2.12%	0.232%
60	21.368	2970	2975	2979	rBV5	124359	237107	3.73%	0.408%
61	21.503	2993	2998	3003	rBV2	118983	244611	3.85%	0.421%
62	21.562	3003	3008	3014	rVB	228221	430434	6.78%	0.740%
63	21.661	3022	3025	3033	rVB4	51696	101646	1.60%	0.175%
64	21.767	3033	3043	3047	rBV2	306102	704127	11.08%	1.211%
65	21.814	3047	3051	3055	rVB	199857	323488	5.09%	0.556%
66	21.873	3055	3061	3065	rBV2	249067	429609	6.76%	0.739%
67	21.926	3066	3070	3083	rVB2	170539	436601	6.87%	0.751%
68	22.073	3084	3095	3103	rBV3	106720	350336	5.52%	0.603%
69	22.220	3106	3120	3127	rBV2	1284287	4039974	63.60%	6.948%
70	22.290	3127	3132	3144	rVB	1102252	2300197	36.21%	3.956%
71	22.461	3155	3161	3168	rBV2	125114	283453	4.46%	0.487%

LSC Area Percent Report

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Data File : BG027519.D
Acq On : 17 Jun 2017 23:07
Operator : SJ/MA
Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24

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-BG061617.M
Title : SVOA CALIBRATION

72	22.543	3169	3175	3180	rBV8	46690	125673	1.98%	0.216%
73	22.684	3192	3199	3206	rBV2	161874	386558	6.09%	0.665%
74	22.760	3207	3212	3223	rVB5	65052	177444	2.79%	0.305%
75	22.901	3226	3236	3238	rBV7	41082	109809	1.73%	0.189%
76	23.048	3251	3261	3268	rVB2	197539	512101	8.06%	0.881%
77	23.130	3269	3275	3284	rVB2	130079	325870	5.13%	0.560%
78	23.230	3285	3292	3297	rBV4	51796	127224	2.00%	0.219%
79	23.289	3297	3302	3308	rVV4	56489	128721	2.03%	0.221%
80	23.359	3308	3314	3319	rVV2	108397	274771	4.33%	0.473%
81	23.418	3319	3324	3334	rVB3	109802	283542	4.46%	0.488%
82	23.518	3334	3341	3348	rBV3	72928	172639	2.72%	0.297%
83	23.812	3381	3391	3396	rBV2	87078	261302	4.11%	0.449%
84	24.300	3462	3474	3492	rVB3	87061	348169	5.48%	0.599%
85	24.476	3493	3504	3513	rVB9	33846	128059	2.02%	0.220%
86	24.728	3534	3547	3555	rBV2	862840	3165621	49.84%	5.444%
87	25.016	3587	3596	3613	rVB2	92841	299995	4.72%	0.516%
88	25.251	3627	3636	3650	rBV4	58480	278991	4.39%	0.480%
89	25.545	3676	3686	3703	rVB2	347072	1184607	18.65%	2.037%
90	25.716	3704	3715	3730	rVB	420599	1362741	21.45%	2.344%
91	25.892	3731	3745	3754	rBV2	321685	1194628	18.81%	2.054%
92	25.980	3754	3760	3776	rVB5	111364	457864	7.21%	0.787%
93	26.785	3891	3897	3907	rVB6	30361	95285	1.50%	0.164%
94	27.126	3940	3955	3964	rBV8	25448	133747	2.11%	0.230%
95	27.472	4006	4014	4039	rVB8	27338	163096	2.57%	0.280%
96	29.593	4361	4375	4377	rBV5	24322	94980	1.50%	0.163%
97	30.093	4445	4460	4487	rVB5	156513	990112	15.59%	1.703%
98	30.351	4492	4504	4518	rVB9	37868	180548	2.84%	0.311%
99	30.627	4534	4551	4570	rBV5	38197	270349	4.26%	0.465%
100	31.409	4663	4684	4699	rBV3	40189	249241	3.92%	0.429%

Sum of corrected areas: 58147031

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
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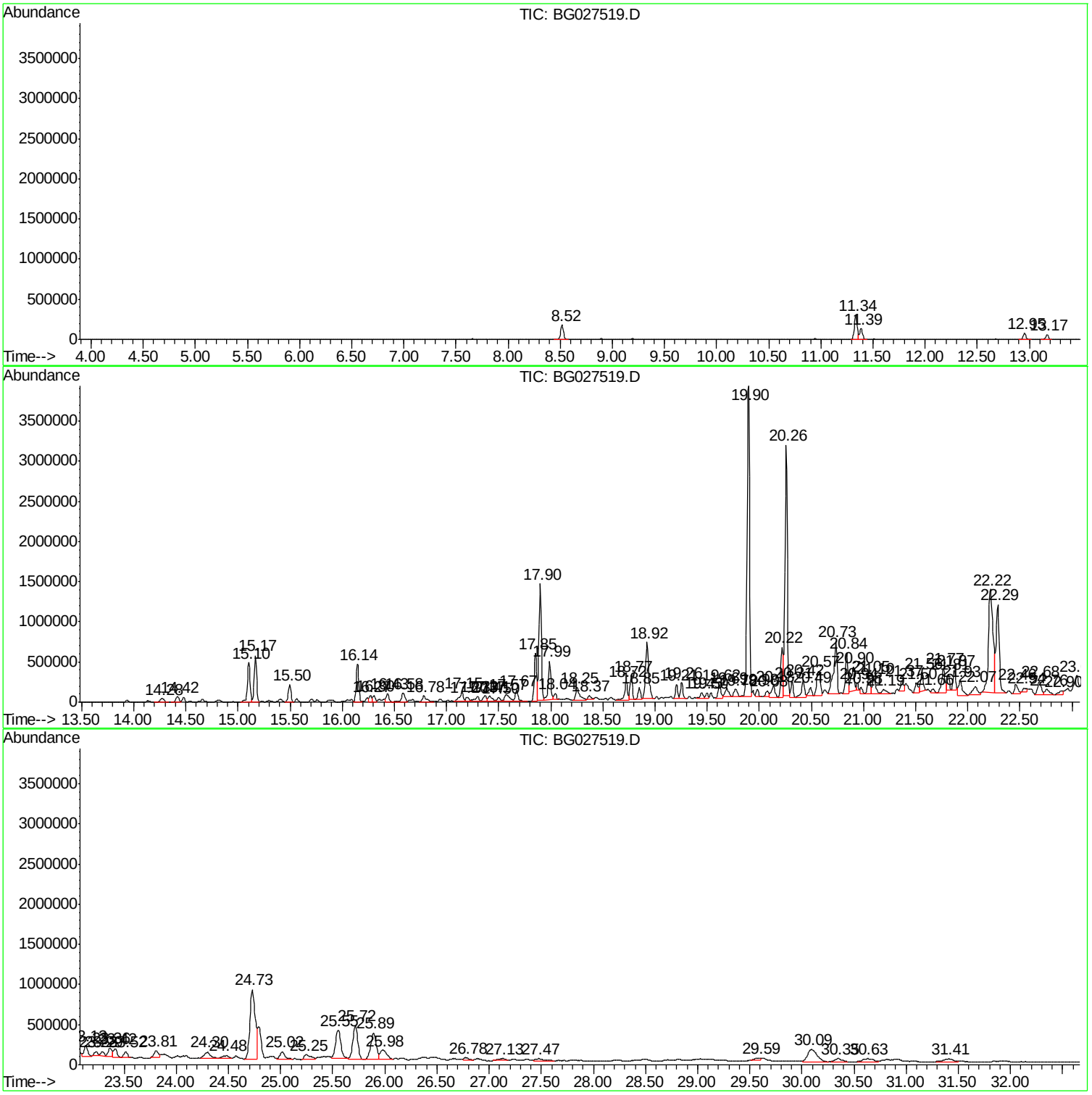
Acq On : 17 Jun 2017 23:07
Operator : SJ/MA
Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F5B24

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027519.D
Acq On : 17 Jun 2017 23:07
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Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

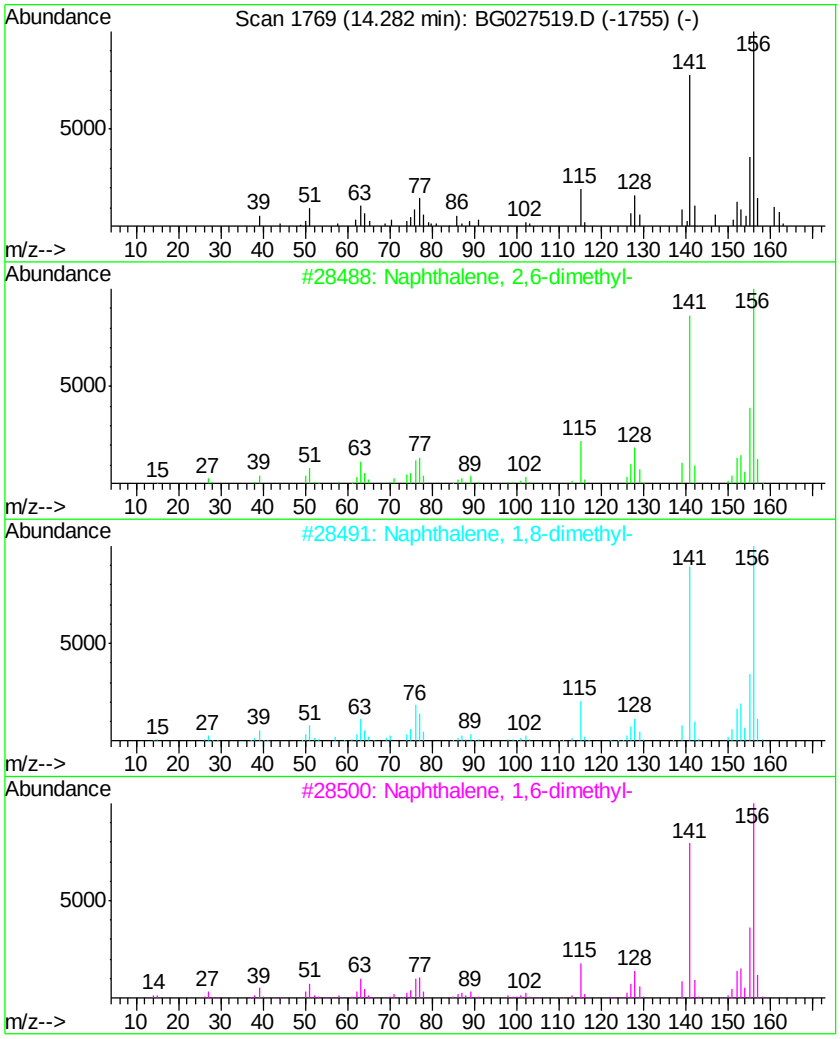
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

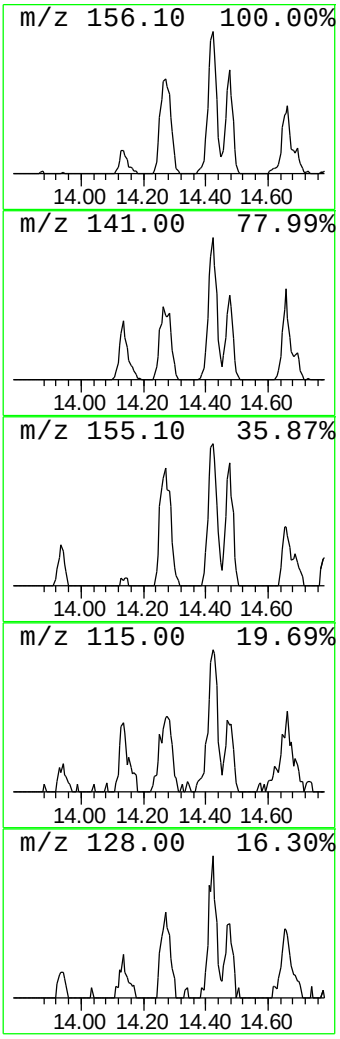
****

Peak Number 2 Naphthalene, 2,6-dimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	2.58 ng/ul	112305	Acenaphthene-d10	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	98
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	98
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027519.D
Acq On : 17 Jun 2017 23:07
Operator : SJ/MA
Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

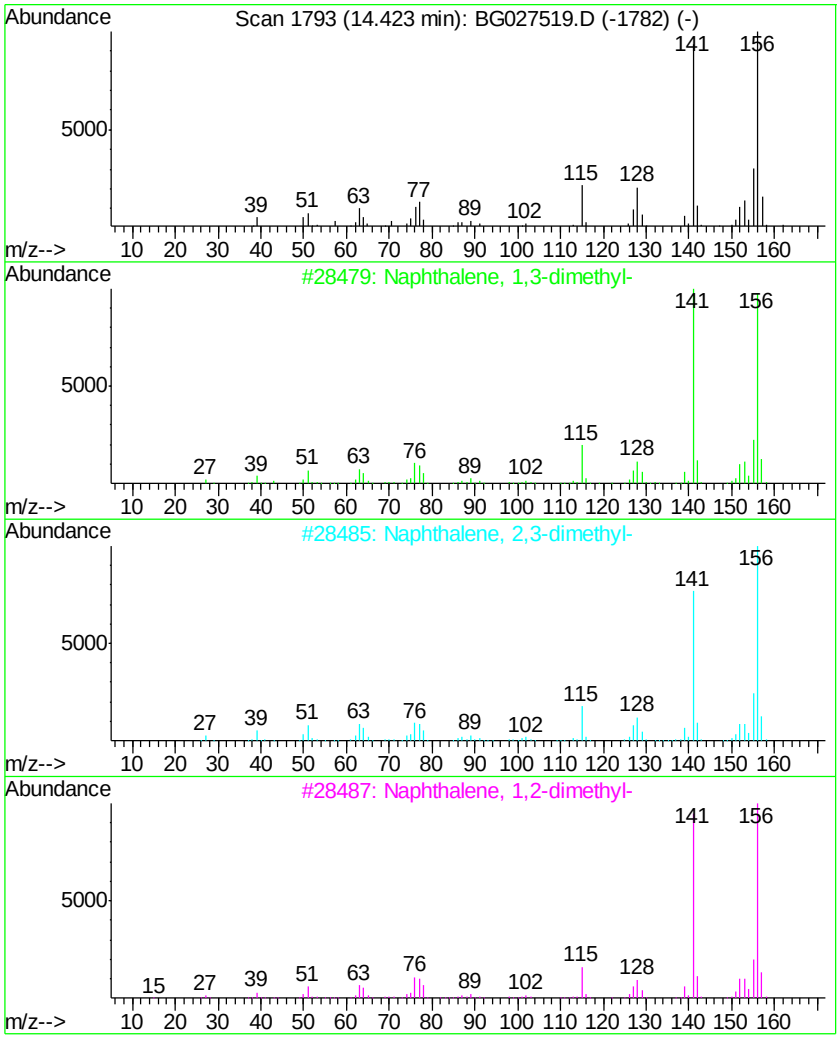
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

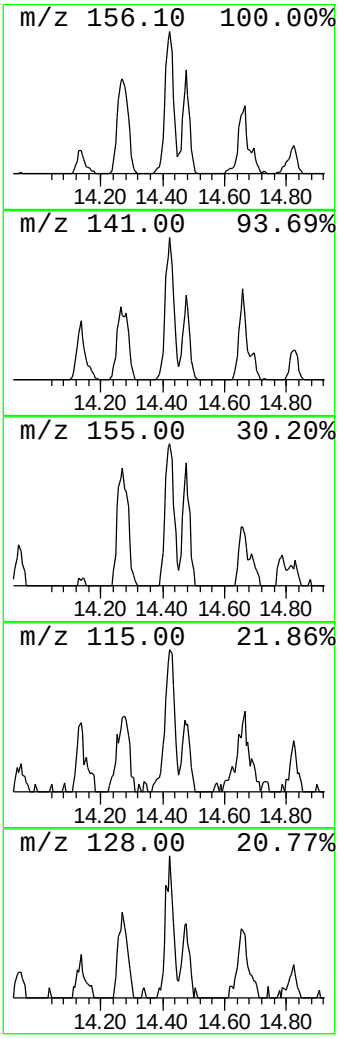
****

Peak Number 3 Naphthalene, 1,3-dimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	3.15 ng/ul	136955	Acenaphthene-d10	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027519.D
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Operator : SJ/MA
Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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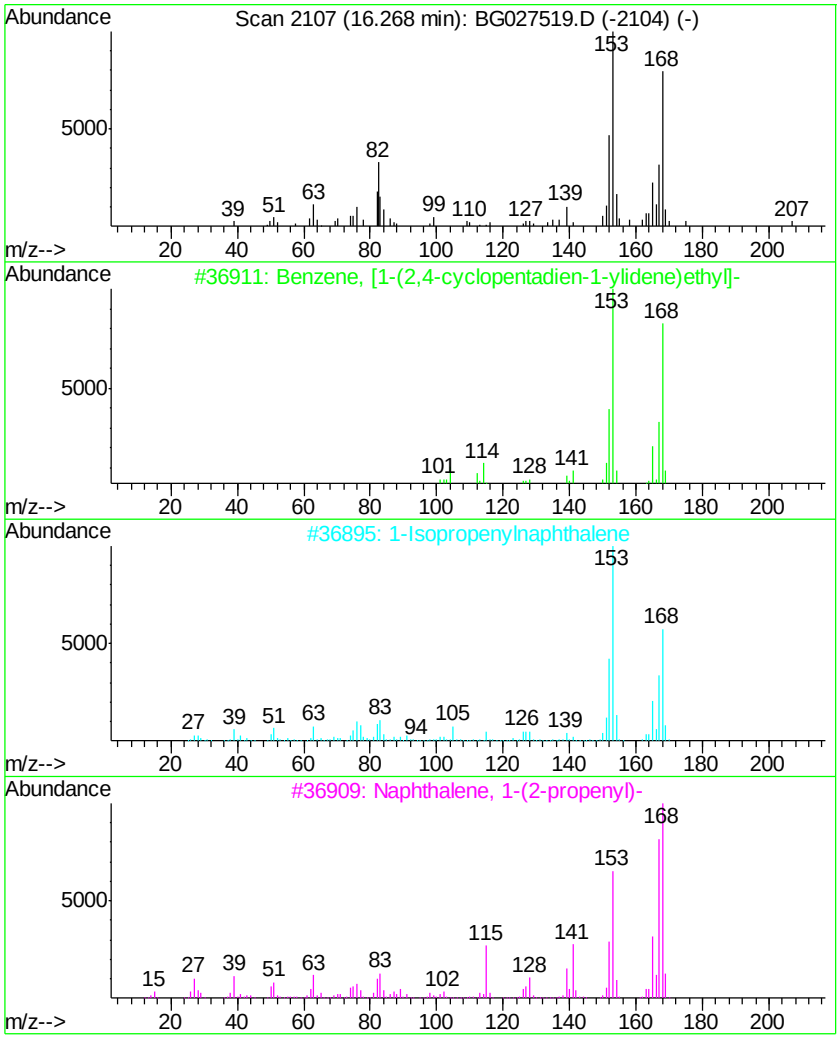
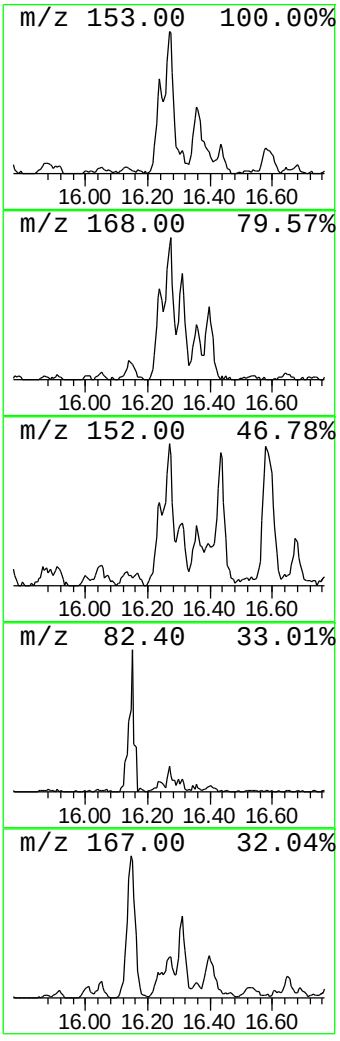
Peak Number 4 Benzene, [1-(2,4-cyclopenta... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.27	2.90 ng/ul	125830	Acenaphthene-d10	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	83
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	68
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	58
4	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	47
5	5-Acetyl-2-methyl-3-thiophenecar...	168	C8H8O2S	090345-55-4	38





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027519.D
Acq On : 17 Jun 2017 23:07
Operator : SJ/MA
Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

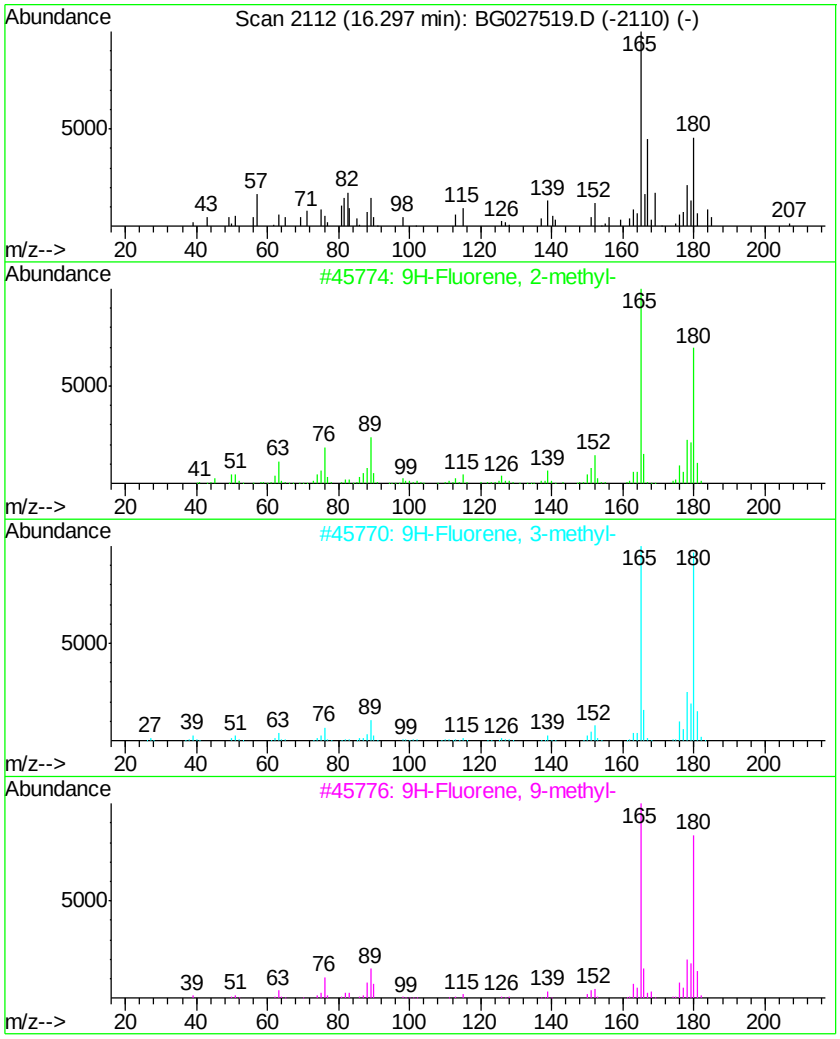
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

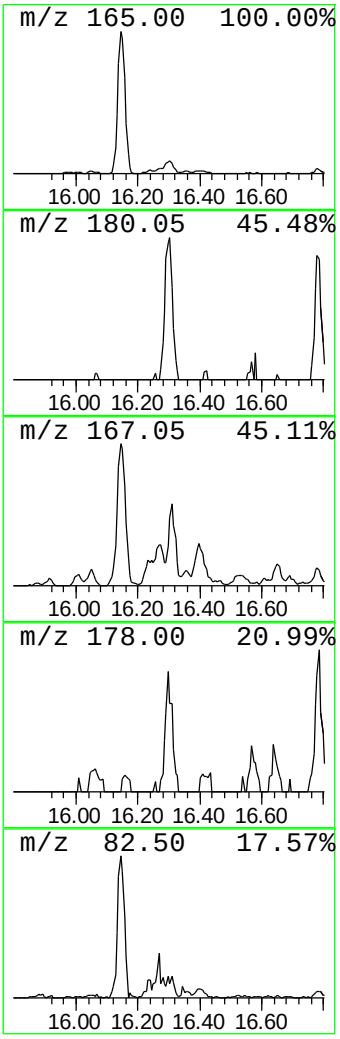
****

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	3.06 ng/ul	133003	Acenaphthene-d10	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	50
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	45
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	45
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	45
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	45





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027519.D
Acq On : 17 Jun 2017 23:07
Operator : SJ/MA
Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

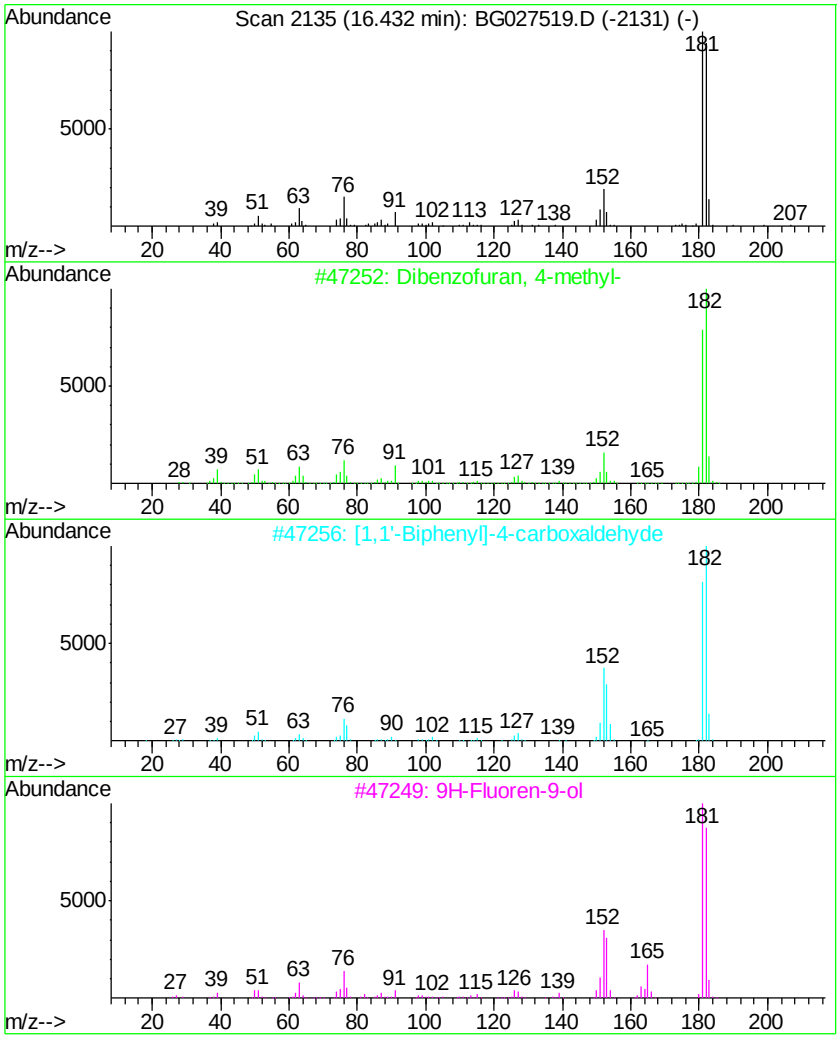
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

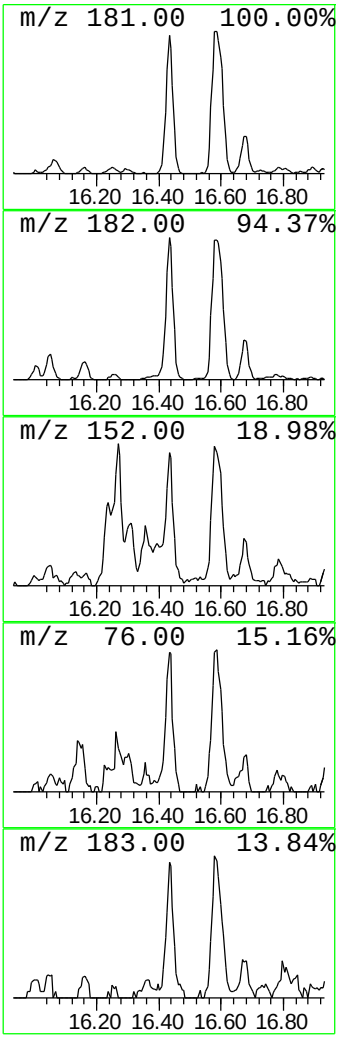
****

Peak Number 6 Dibenzofuran, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	4.25 ng/ul	184525	Acenaphthene-d10	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72





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Acq On : 17 Jun 2017 23:07
Operator : SJ/MA
Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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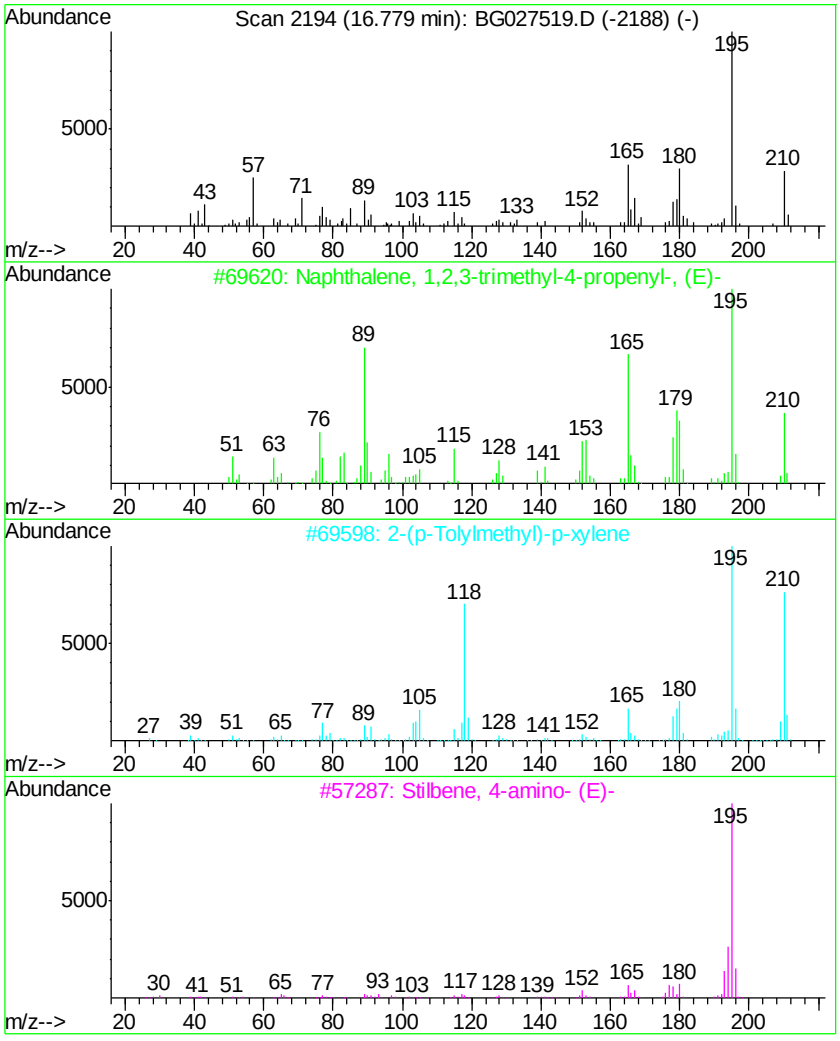
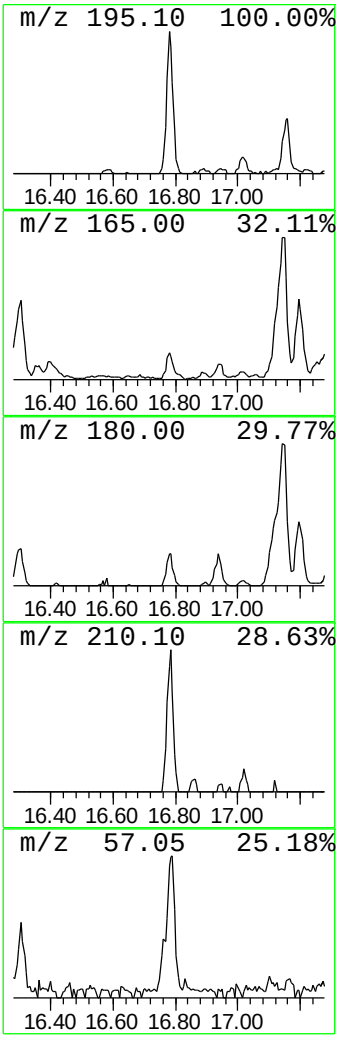
Peak Number 8 Naphthalene, 1,2,3-trimethy... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.78	3.78 ng/ul	182144	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3-trimethyl-4-p...	210	C16H18	026137-53-1	83
2	2-(p-Tolylmethyl)-p-xylene	210	C16H18	000721-45-9	74
3	Stilbene, 4-amino- (E)-	195	C14H13N	004309-66-4	72
4	1,1'-Biphenyl, 2,2',5,5'-tetrame...	210	C16H18	003075-84-1	58
5	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	58





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Operator : SJ/MA
Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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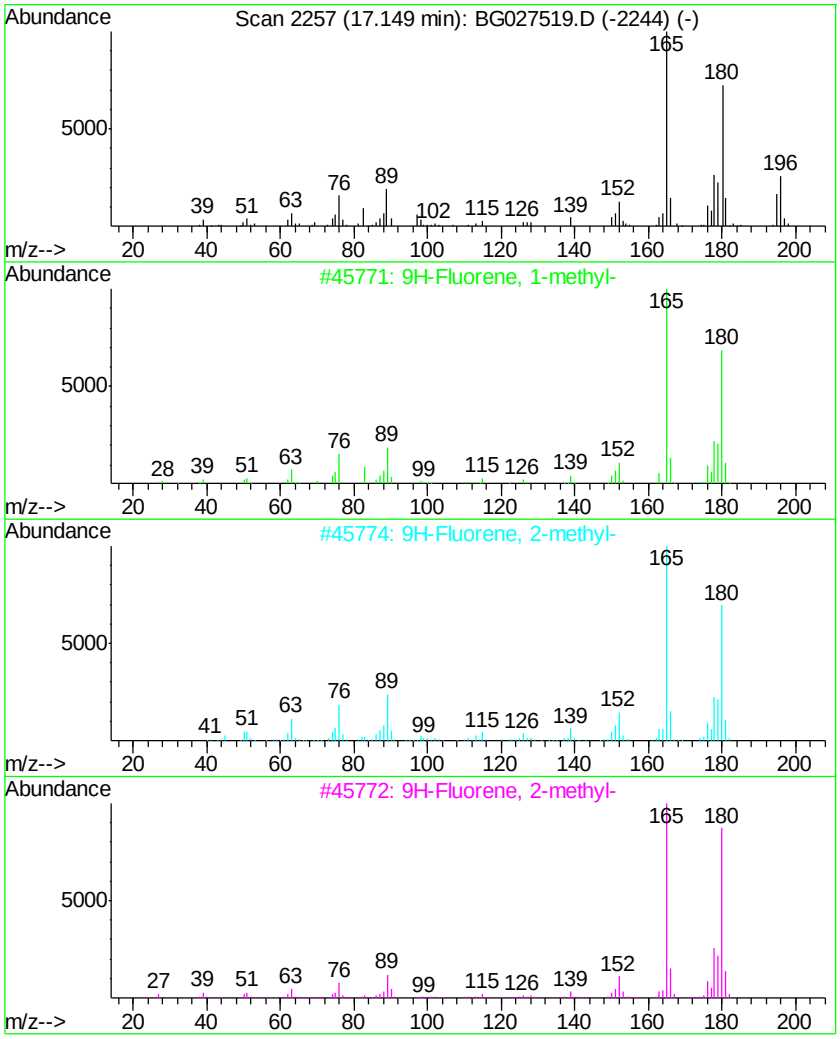
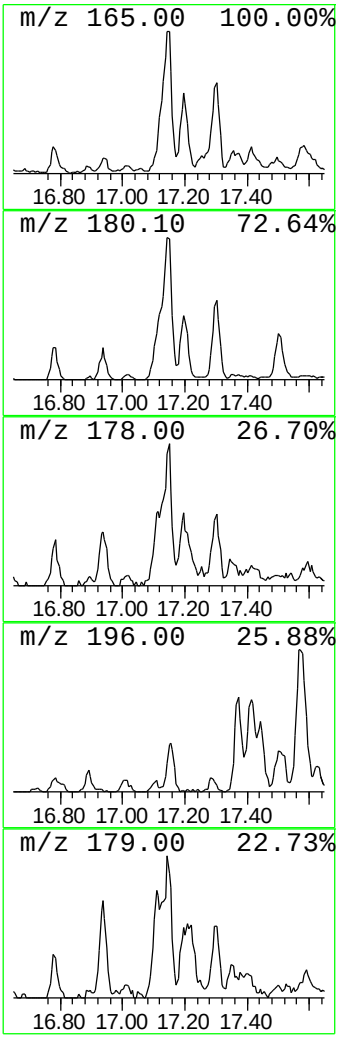
Peak Number 9 9H-Fluorene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.15	6.04 ng/ul	291294	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	93





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Operator : SJ/MA
Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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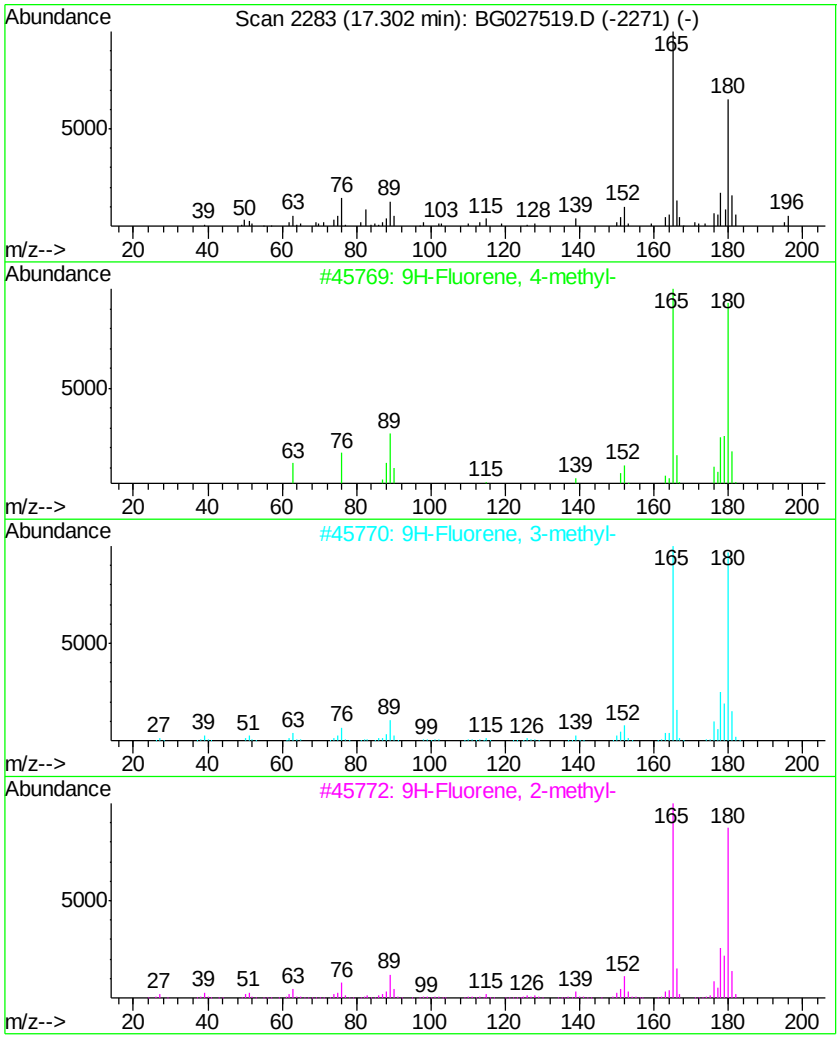
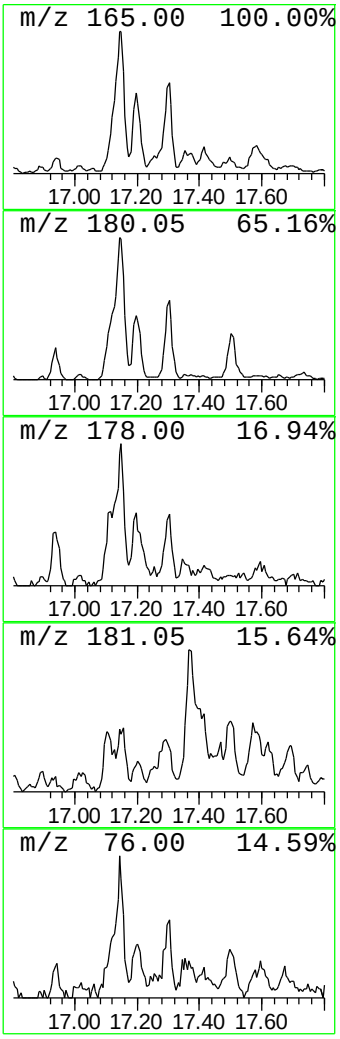
Peak Number 11 9H-Fluorene, 4-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.30	3.39 ng/ul	163662	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	86
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	76
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	70
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	64
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	58





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Acq On : 17 Jun 2017 23:07
Operator : SJ/MA
Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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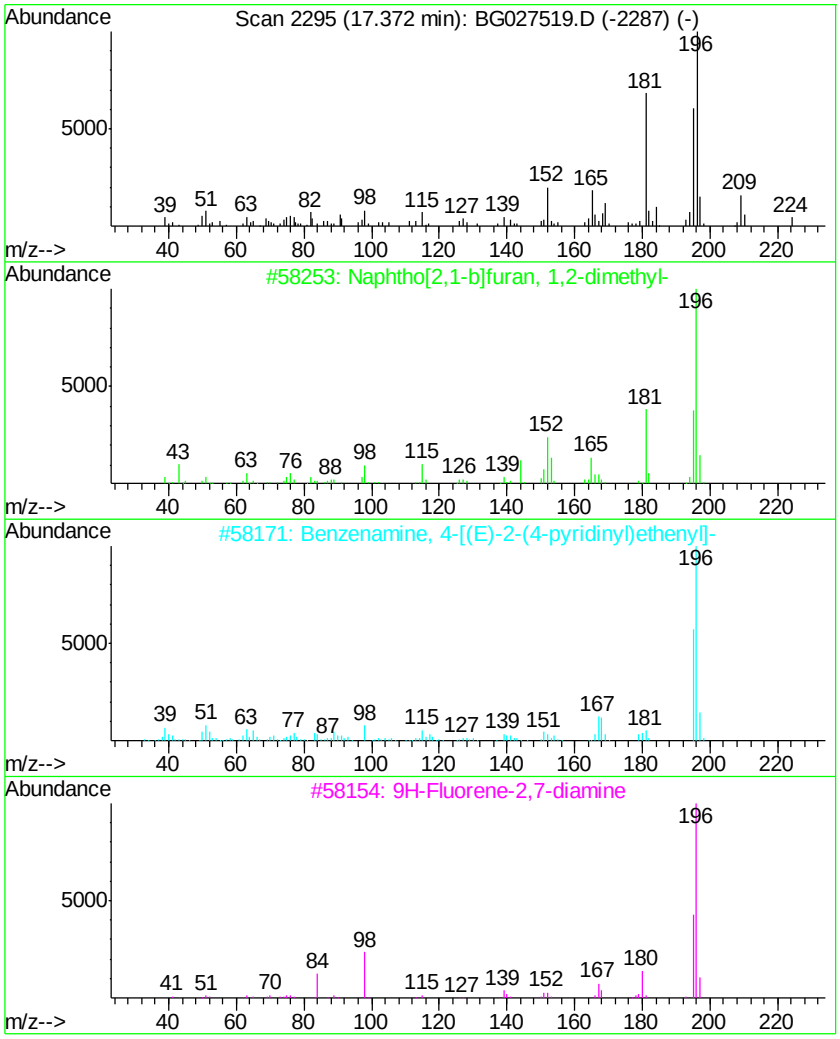
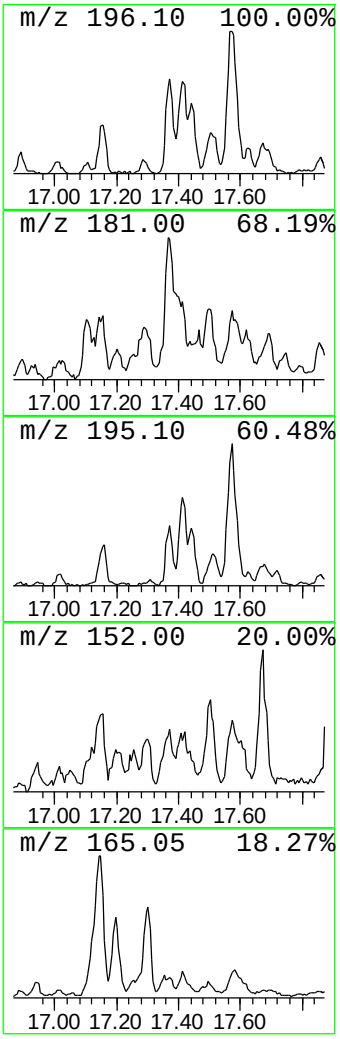
Peak Number 12 Naphtho[2,1-b]furan, 1,2-di... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.37	3.17 ng/ul	153134	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	52
2	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	49
3	9H-Fluorene-2,7-diamine	196	C13H12N2	000525-64-4	49
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49
5	9-Oxa-10-boranthracen-10-ol, 9,1...	196	C12H9BO2	019014-28-9	43





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Acq On : 17 Jun 2017 23:07
Operator : SJ/MA
Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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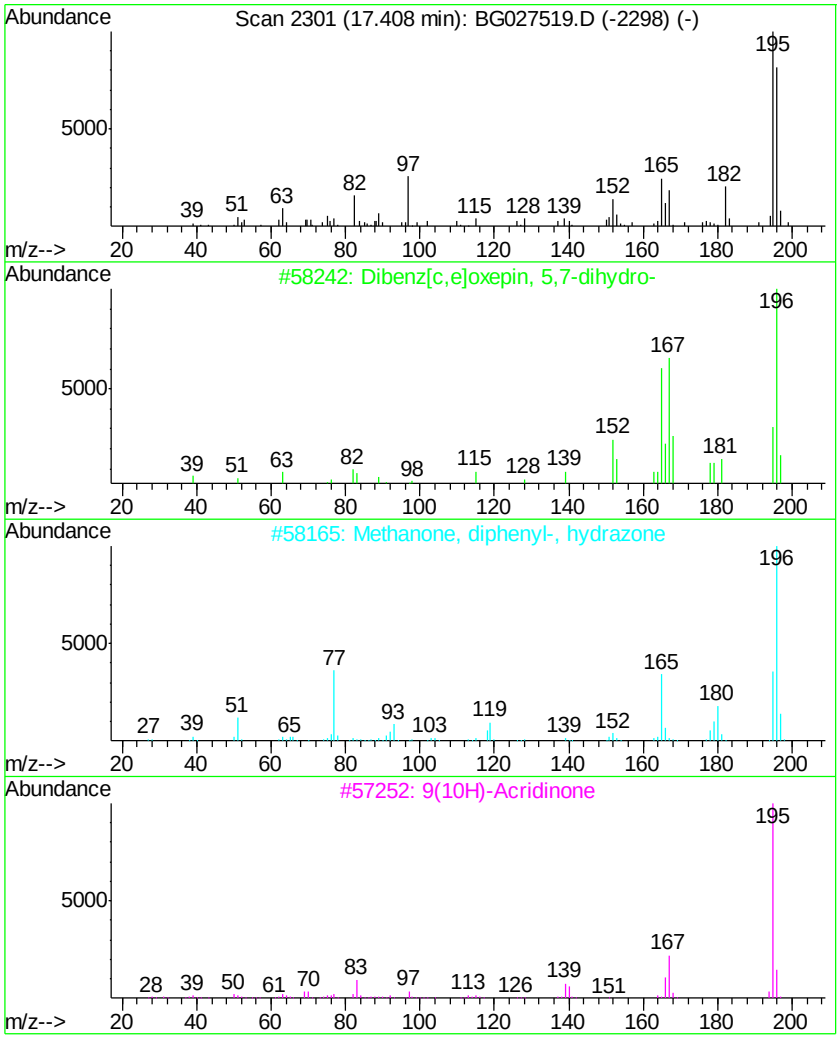
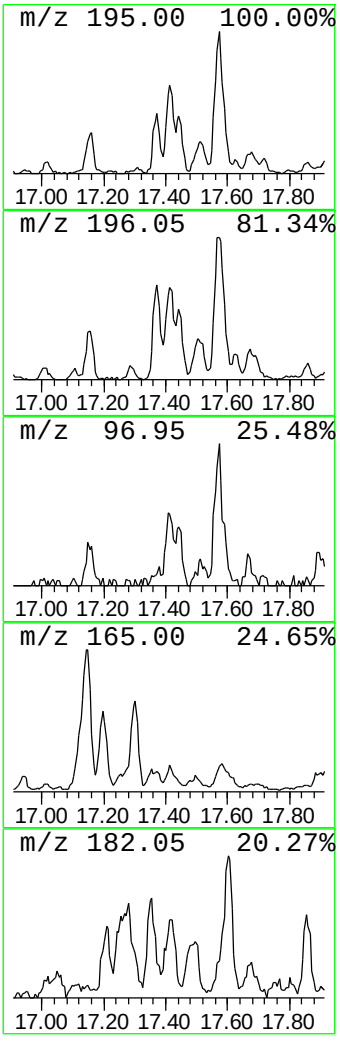
Peak Number 13 unknown-01 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.41	3.44 ng/ul	166110	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	46
2	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	38
3	9(10H)-Acridinone	195	C13H9NO	000578-95-0	38
4	Phenanthridine, 5-oxide	195	C13H9NO	014548-01-7	35
5	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	35





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Acq On : 17 Jun 2017 23:07
Operator : SJ/MA
Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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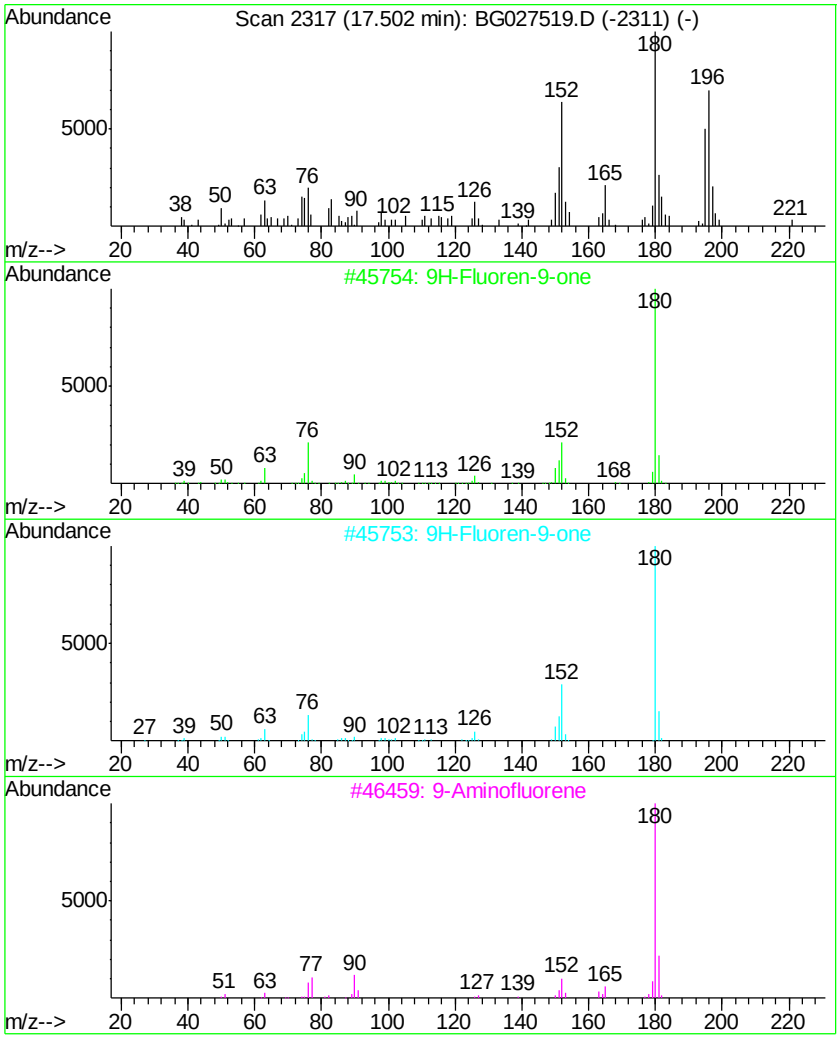
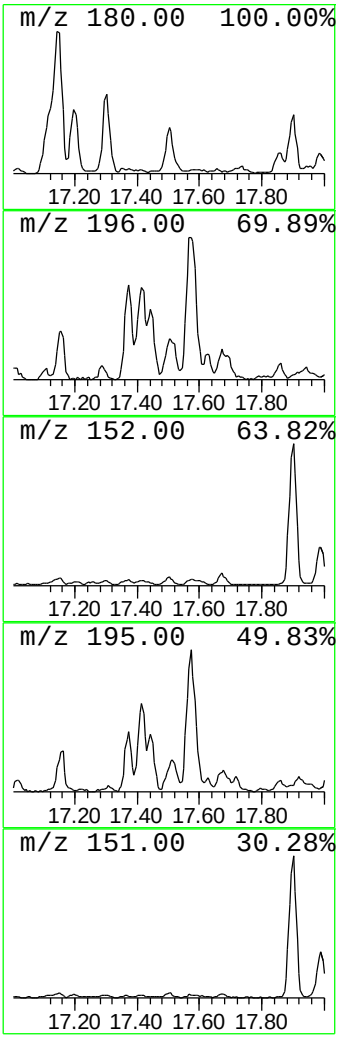
Peak Number 14 9H-Fluoren-9-one Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.50	2.25 ng/ul	108524	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
3	9-Aminofluorene	181	C13H11N	000525-03-1	64
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	55
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	49





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Operator : SJ/MA
Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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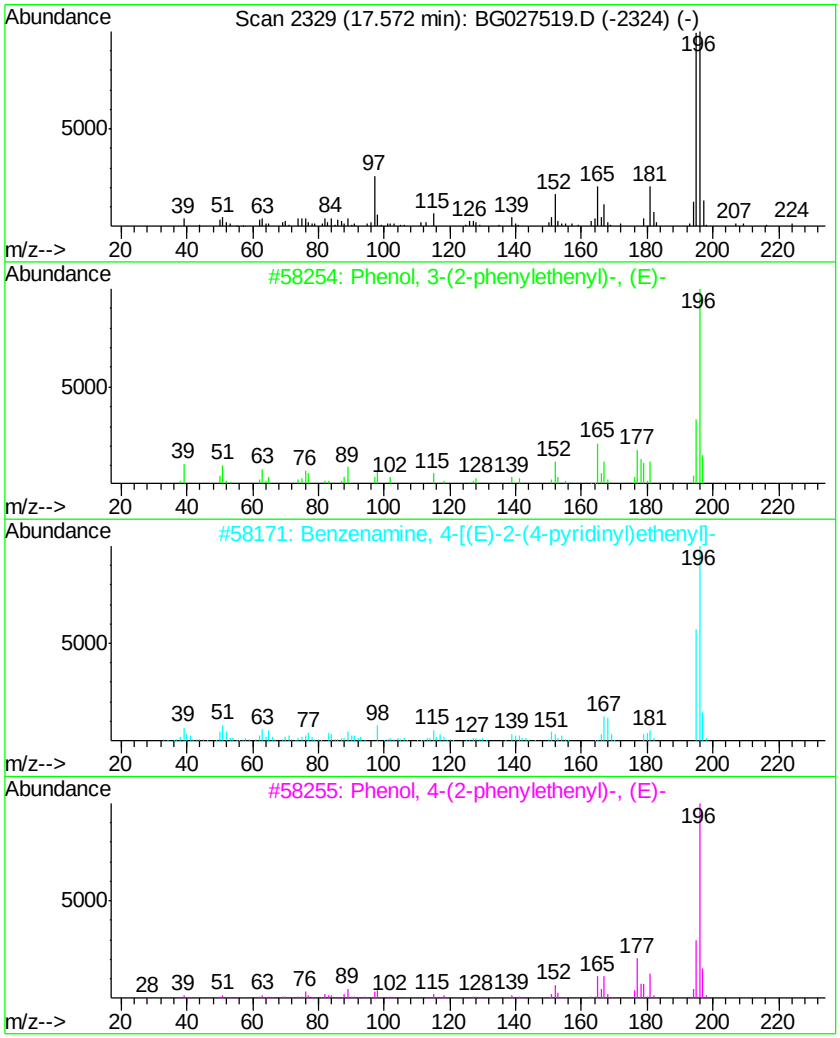
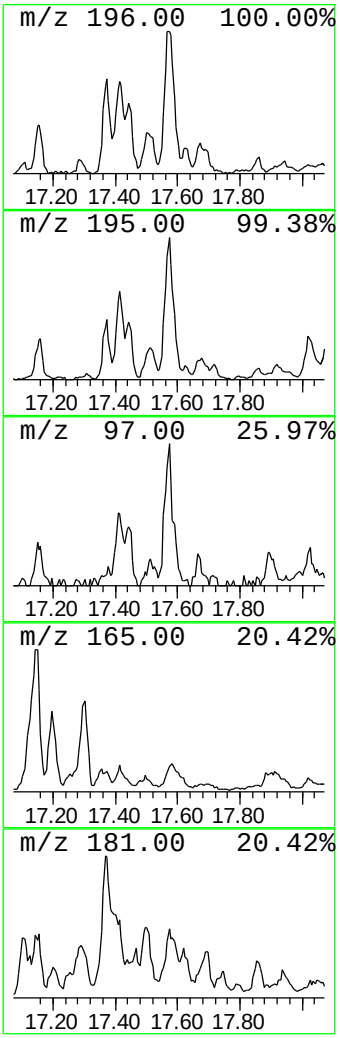
Peak Number 15 unknown-02 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.57	5.49 ng/ul	265013	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49
2	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	49
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	46
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	43
5	9-Anthracenamine, 9,10-dihydro-	195	C14H13N	097825-91-7	38





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Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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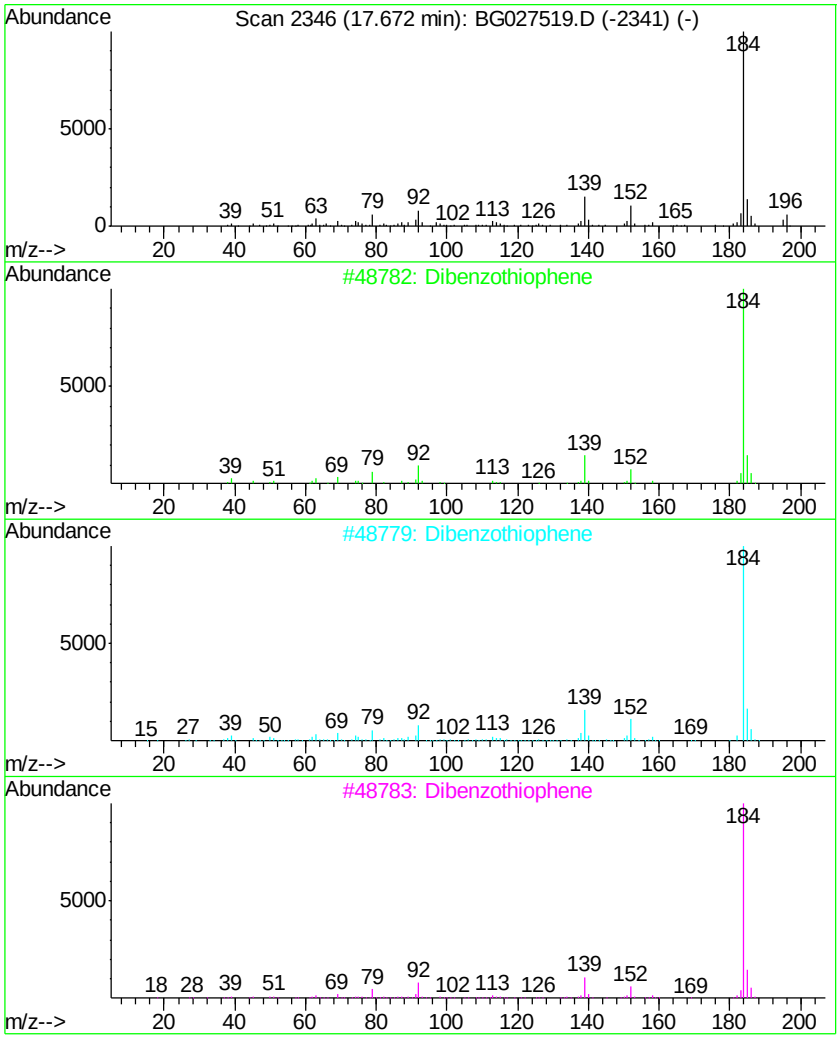
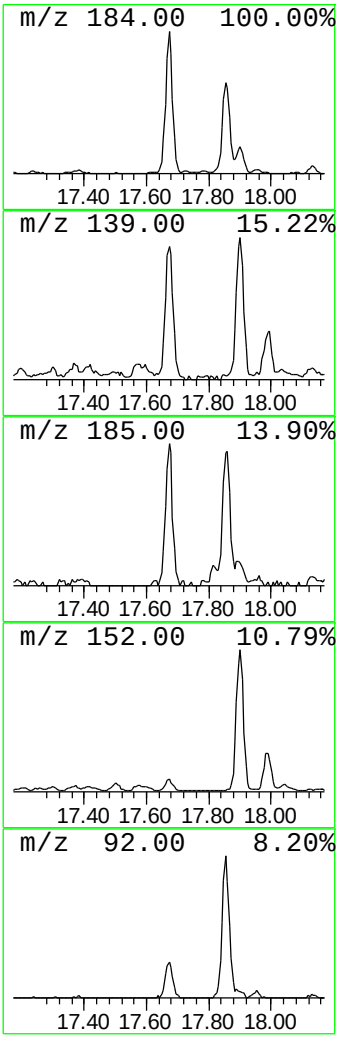
Peak Number 16 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.67	5.08 ng/ul	245260	Phenanthrene-d10	17.85

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





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Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24

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Quant Title : SVOA CALIBRATION

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

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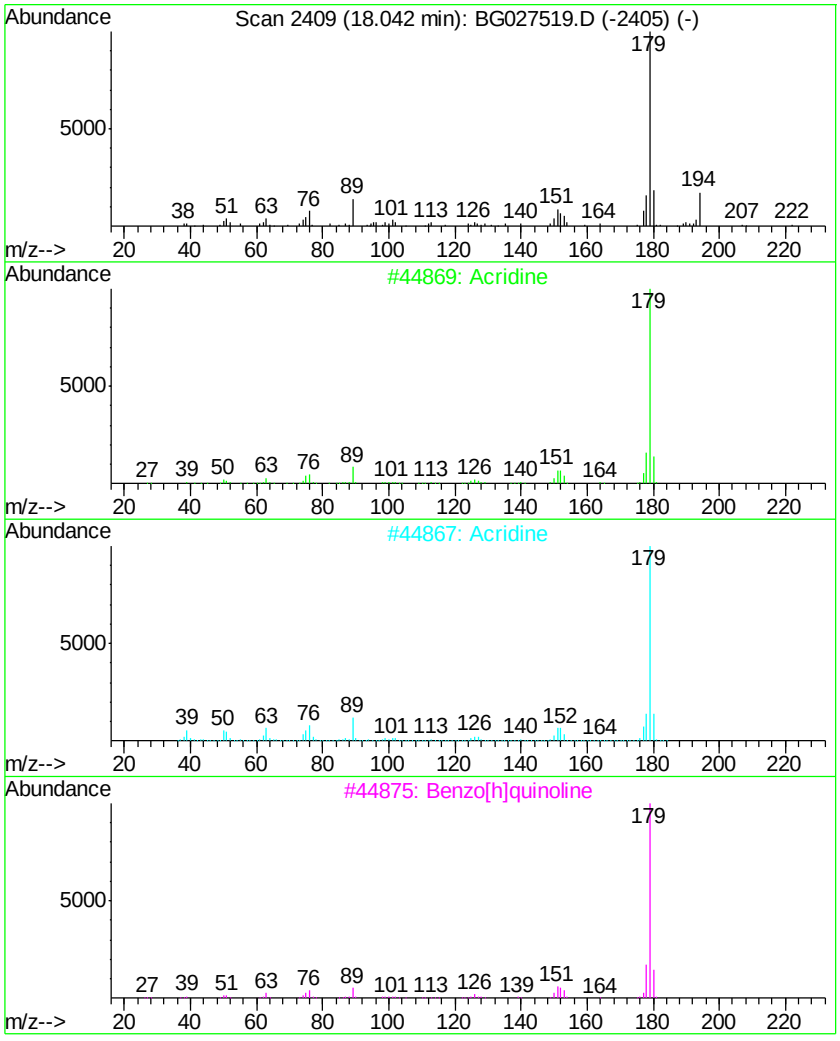
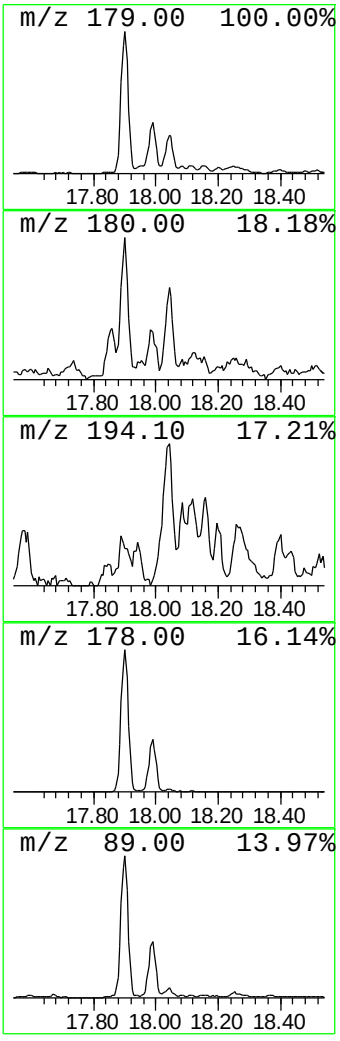
Peak Number 17 Acridine Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	2.57 ng/ul	124085	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	93
2	Acridine	179	C13H9N	000260-94-6	90
3	Benzo[h]quinoline	179	C13H9N	000230-27-3	87
4	Phenanthridine	179	C13H9N	000229-87-8	87
5	Acridine	179	C13H9N	000260-94-6	87





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Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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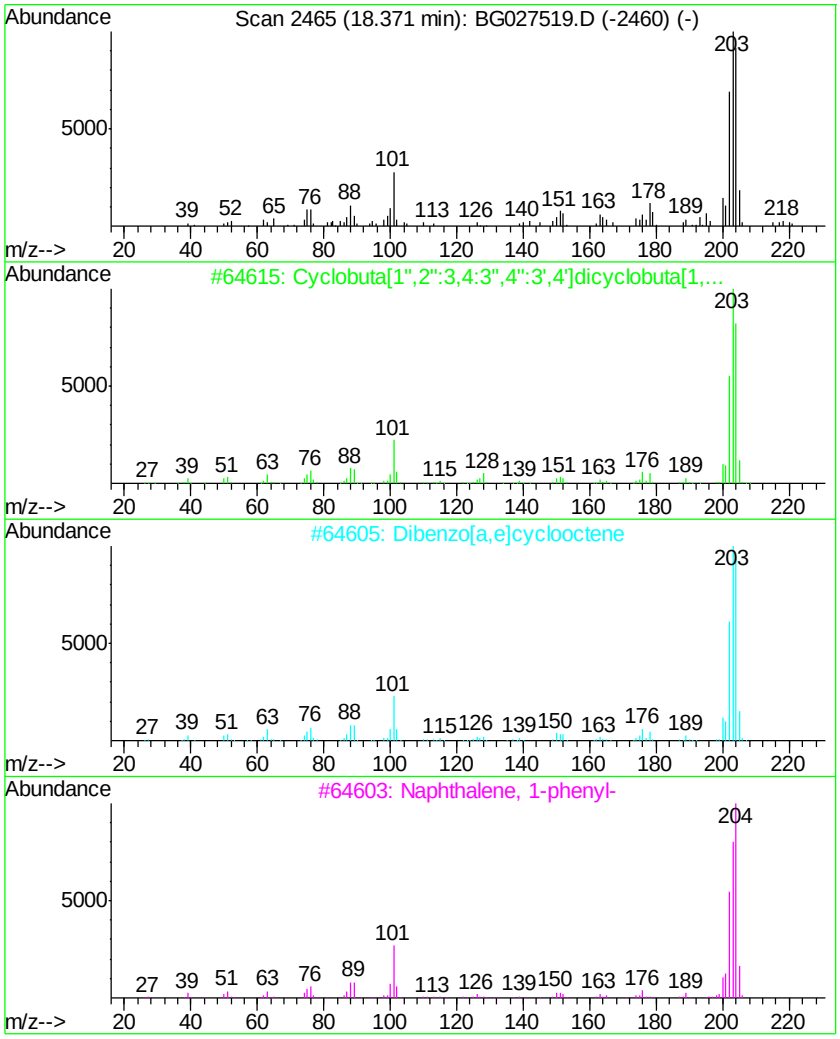
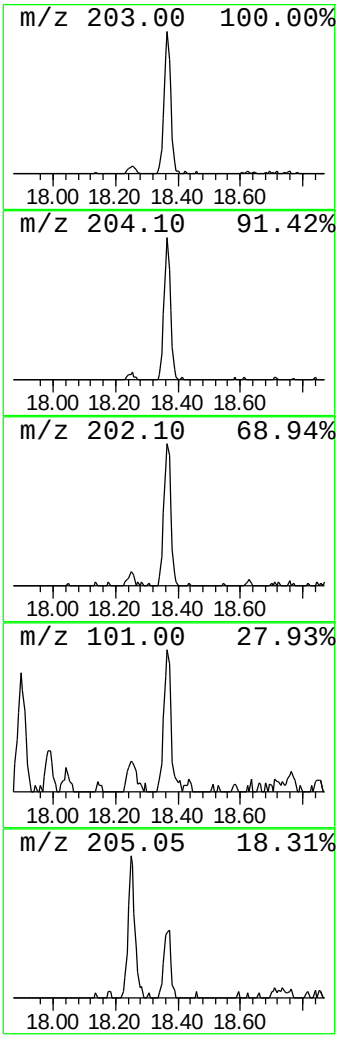
Peak Number 18 Cyclobuta[1'',2'':3,4:3'',4... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	2.37 ng/ul	114532	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	97
2	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	97
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	96
4	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	92
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89





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Sample : I3599-10 20X
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ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24

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Quant Title : SVOA CALIBRATION

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

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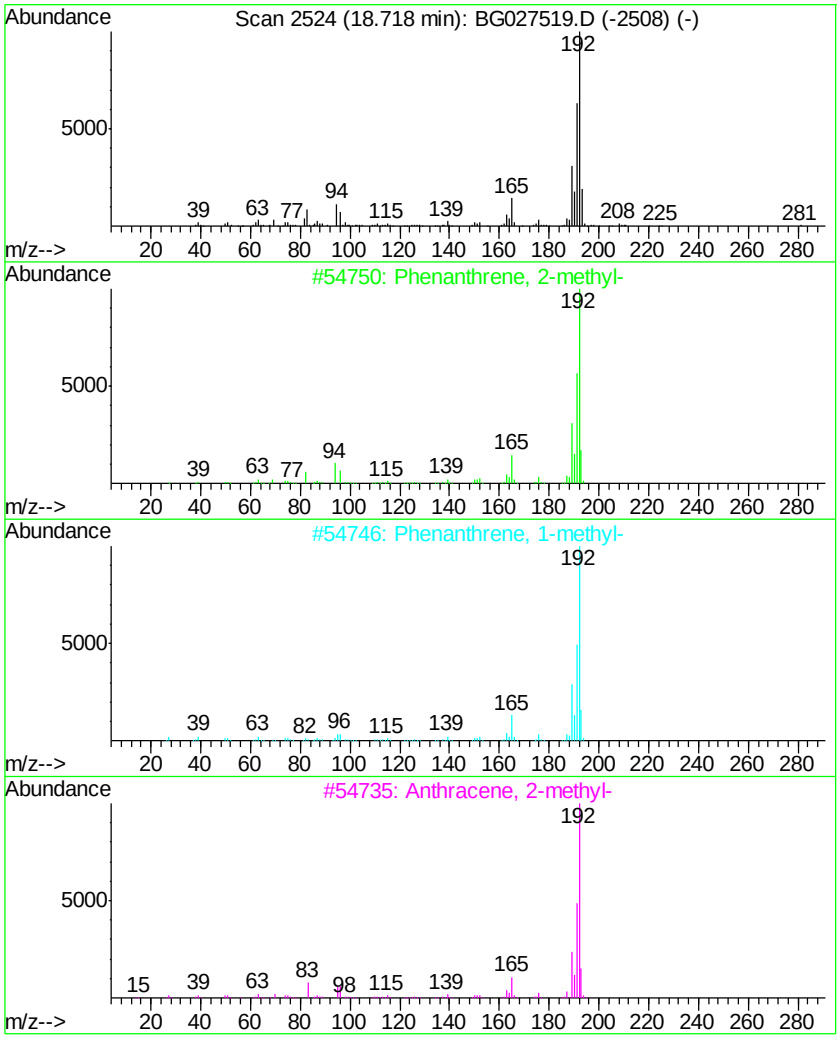
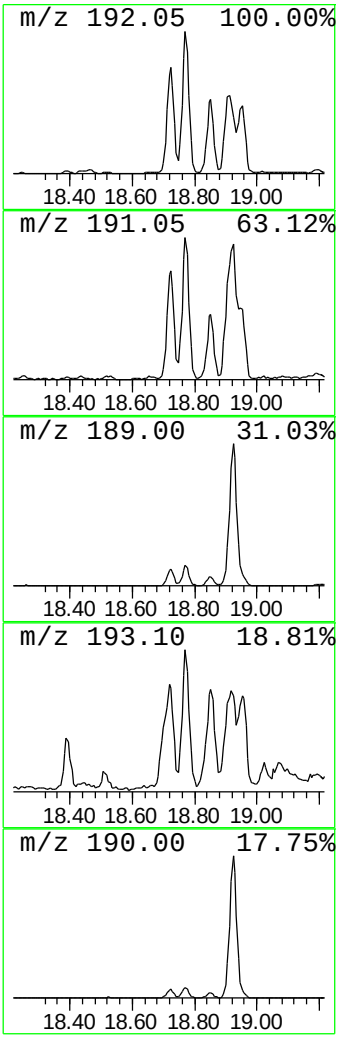
Peak Number 19 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	9.21 ng/ul	444144	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





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Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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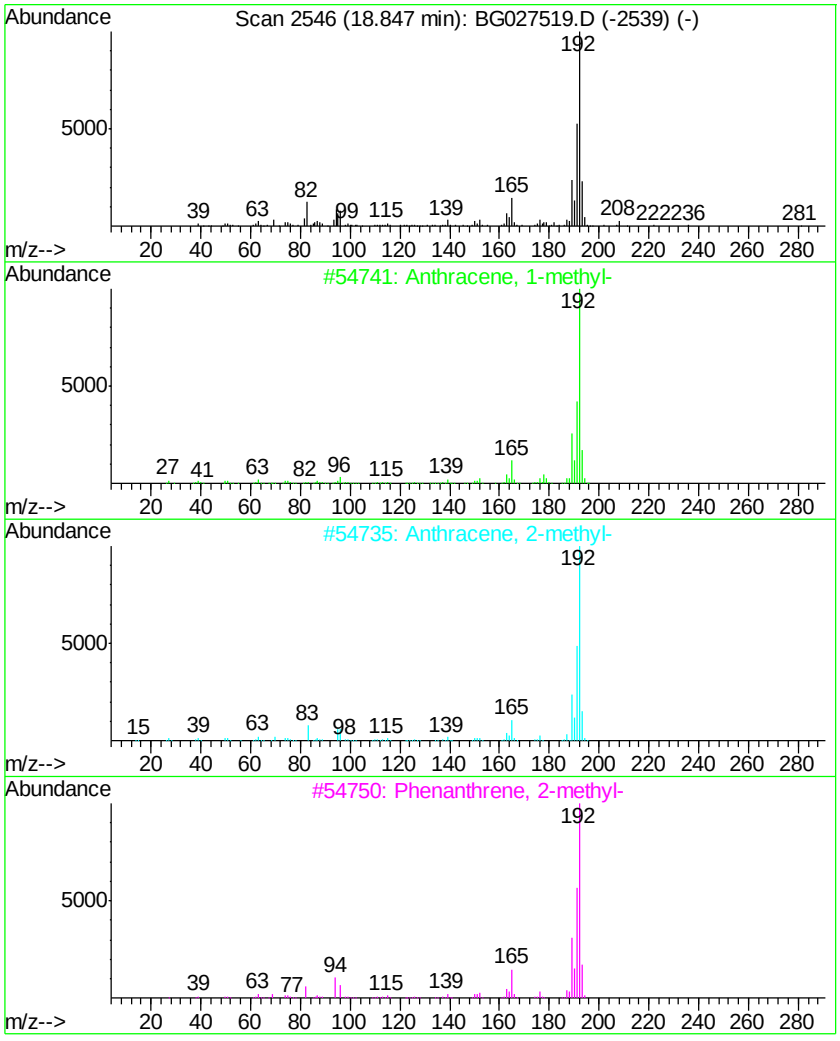
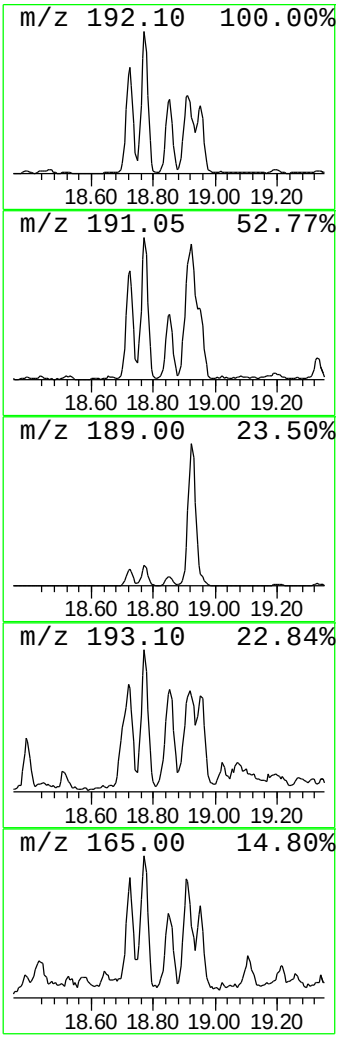
Peak Number 21 Anthracene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	5.35 ng/ul	258241	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96





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Data File : BG027519.D
Acq On : 17 Jun 2017 23:07
Operator : SJ/MA
Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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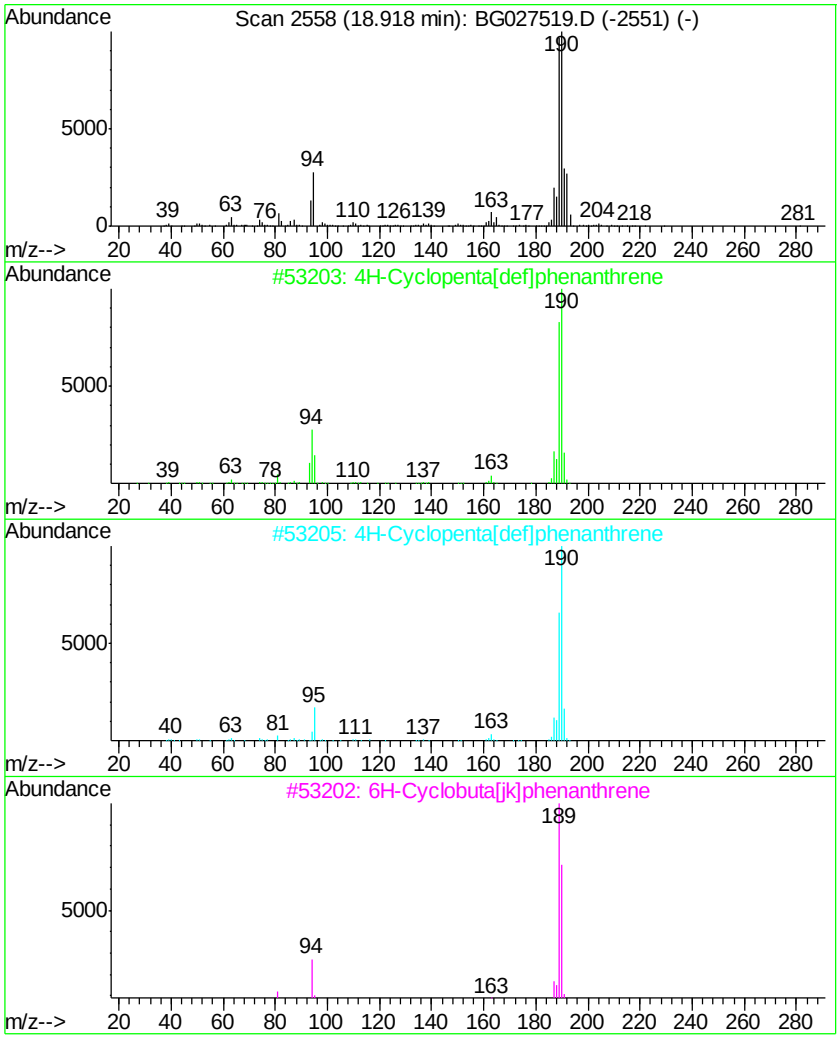
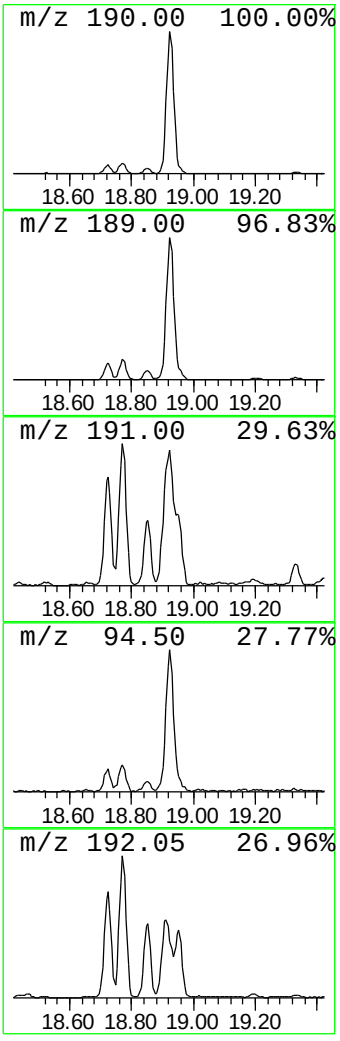
Peak Number 22 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	30.47 ng/ul	1469690	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Acq On : 17 Jun 2017 23:07
Operator : SJ/MA
Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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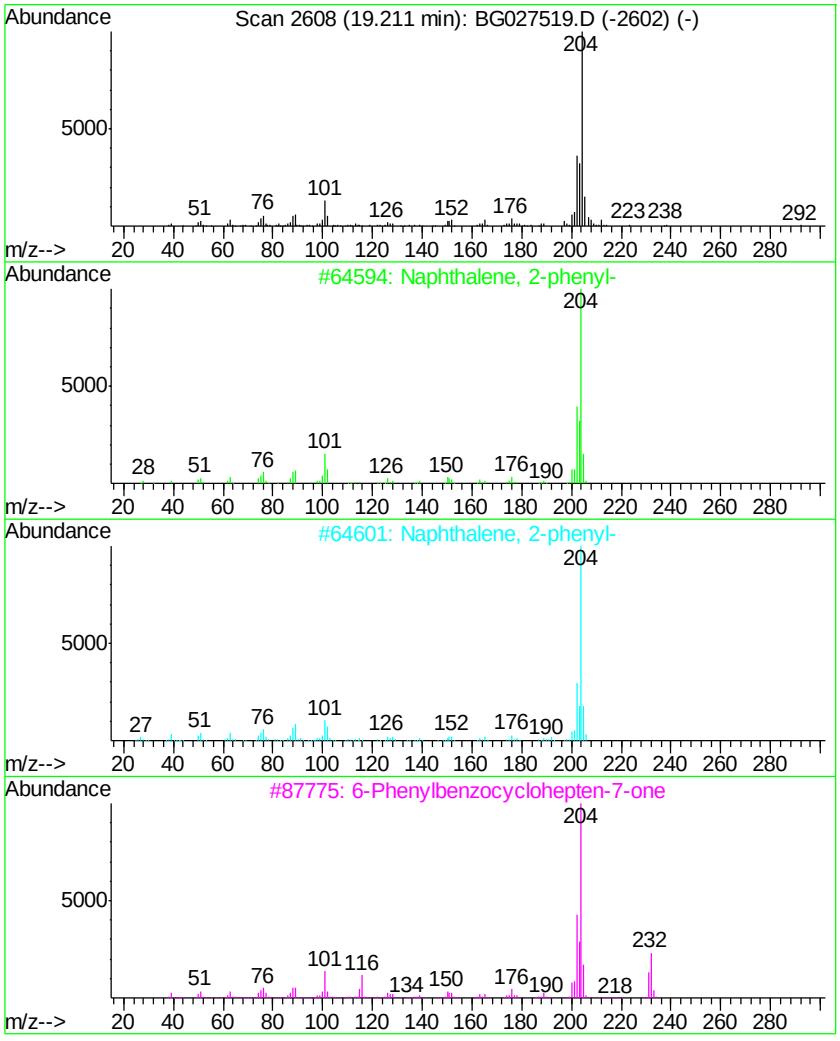
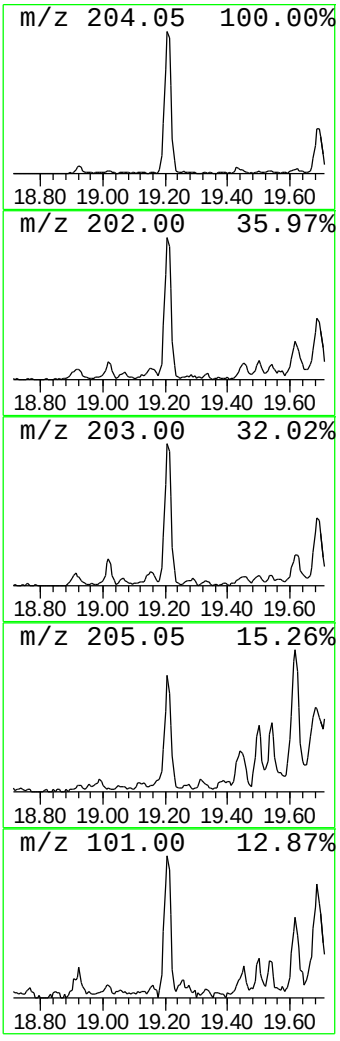
Peak Number 23 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.21	5.33 ng/ul	257274	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	87
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	86
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83





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Acq On : 17 Jun 2017 23:07
Operator : SJ/MA
Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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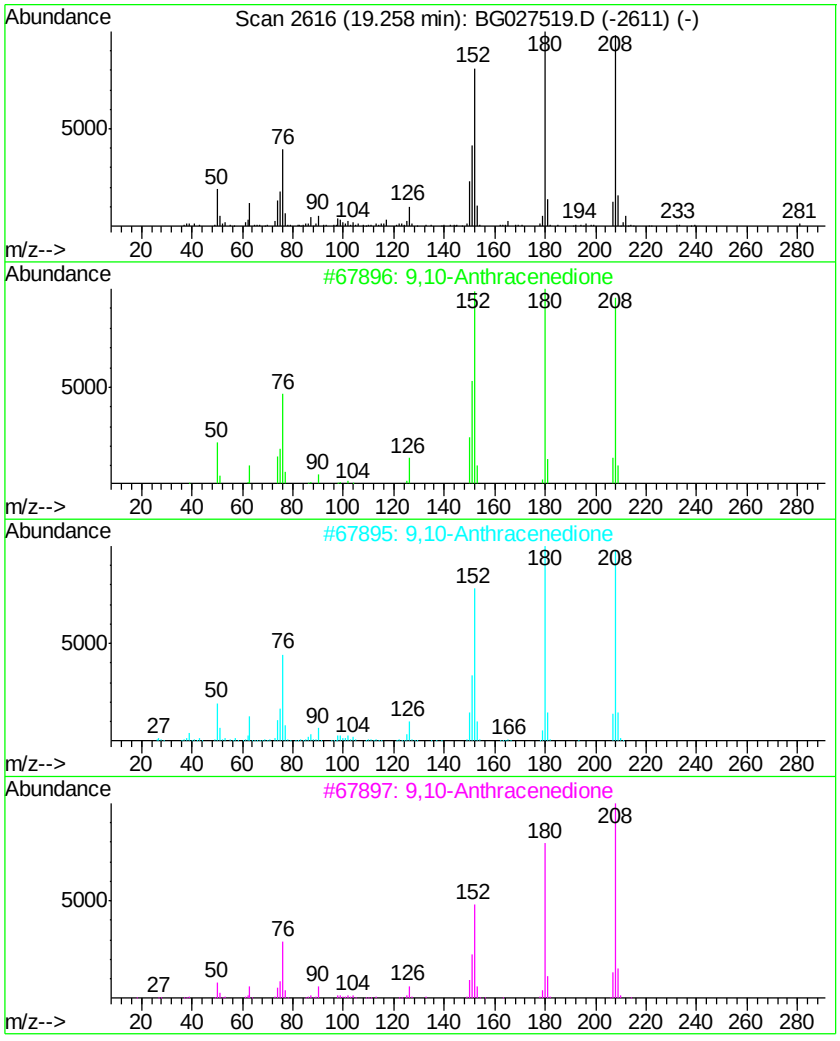
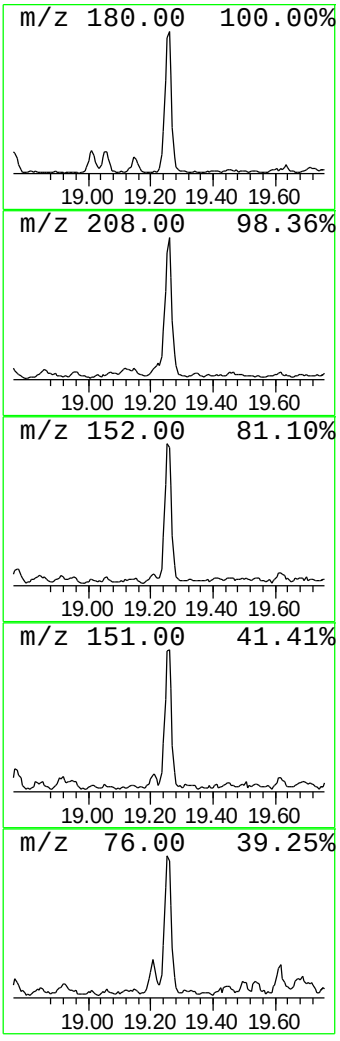
Peak Number 24 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.26	6.42 ng/ul	309876	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	90
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70





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Acq On : 17 Jun 2017 23:07
Operator : SJ/MA
Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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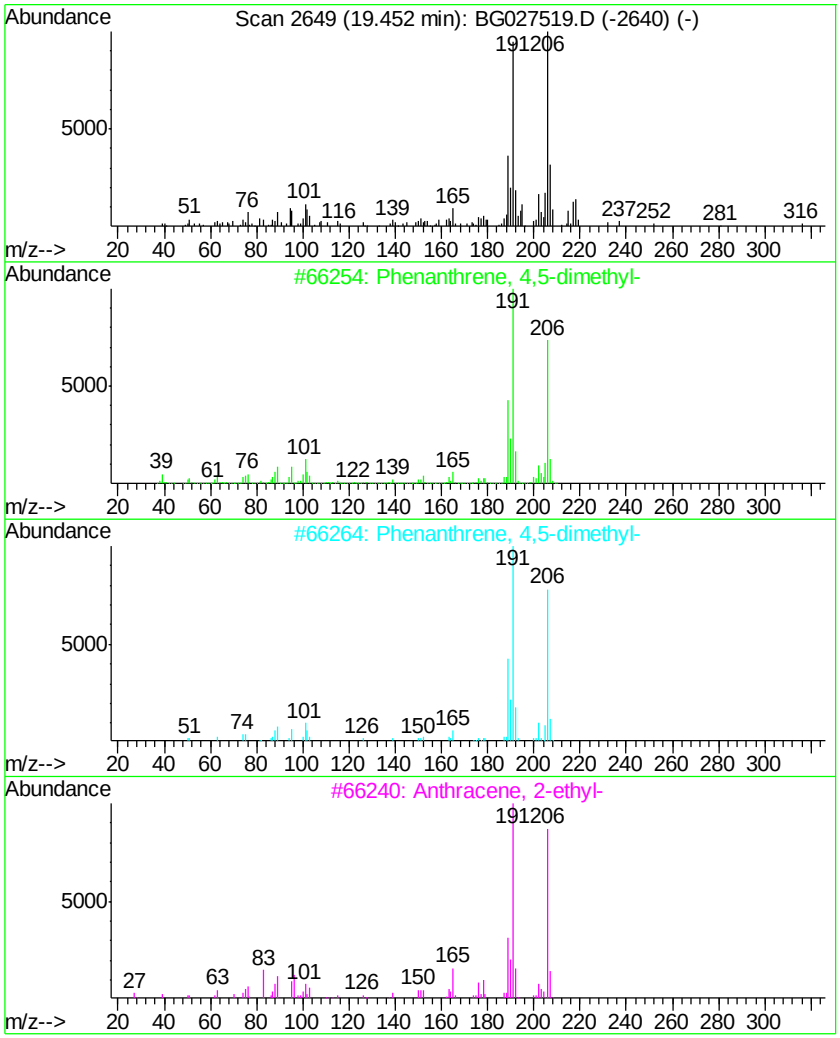
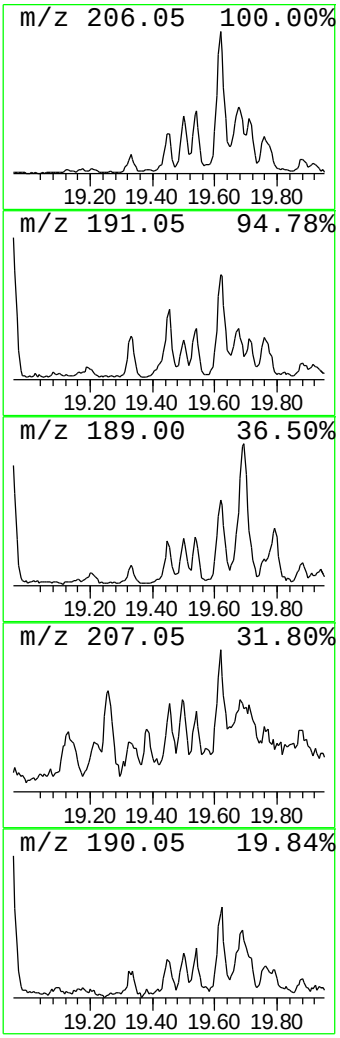
Peak Number 25 Phenanthrene, 4,5-dimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.45	2.72 ng/ul	131248	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87





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Acq On : 17 Jun 2017 23:07
Operator : SJ/MA
Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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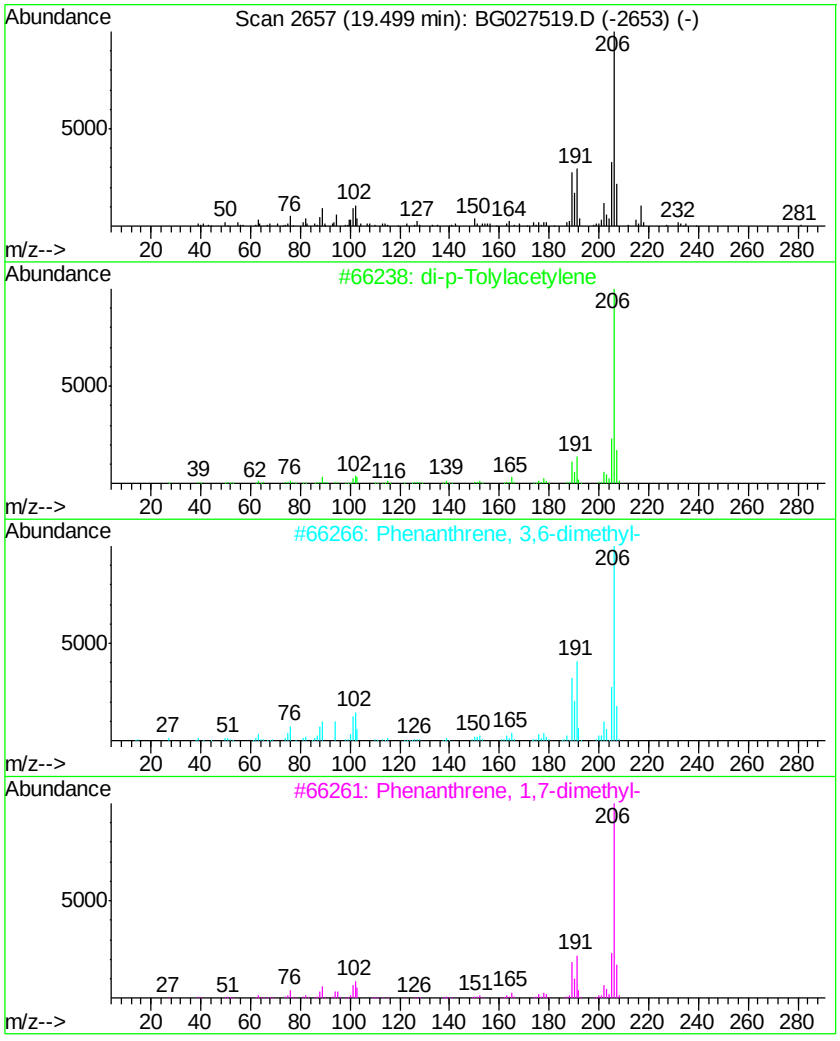
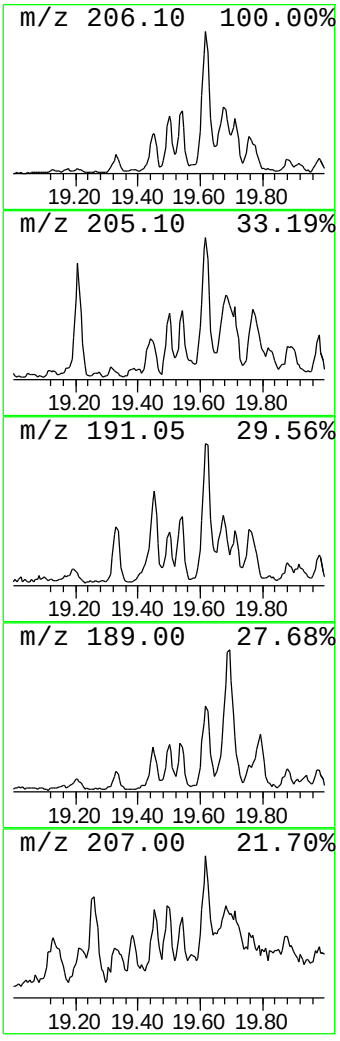
Peak Number 26 di-p-Tolylacetylene Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.50	2.01 ng/ul	96861	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89





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Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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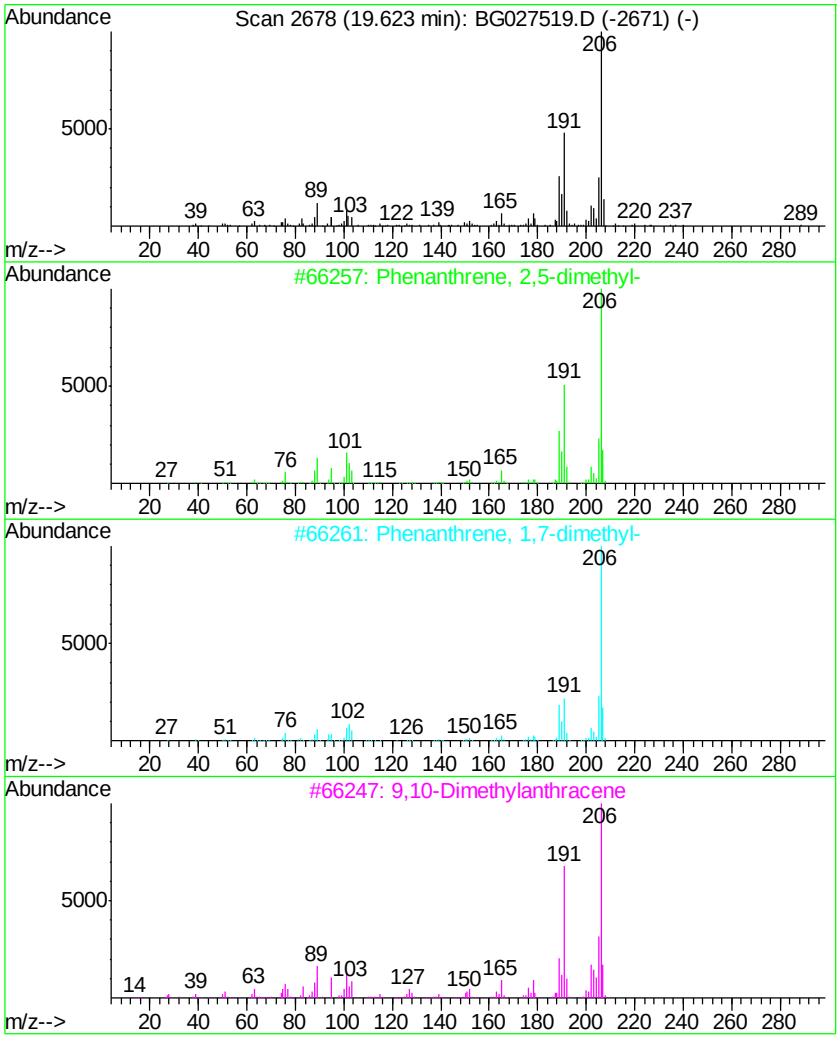
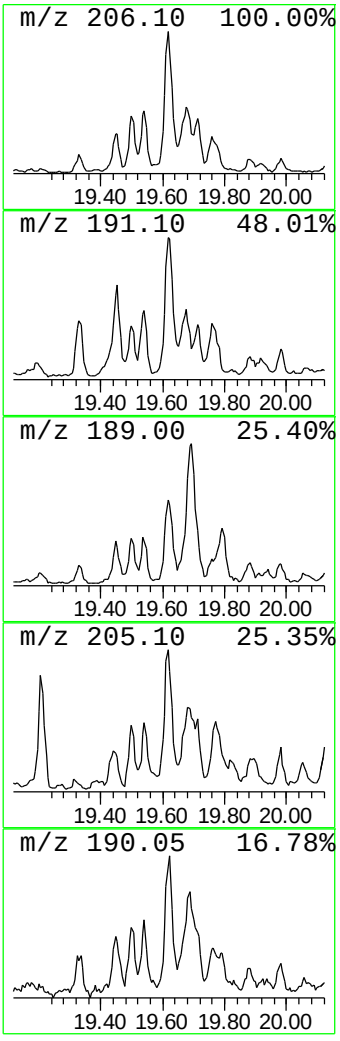
Peak Number 27 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.62	6.46 ng/ul	311847	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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Acq On : 17 Jun 2017 23:07
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Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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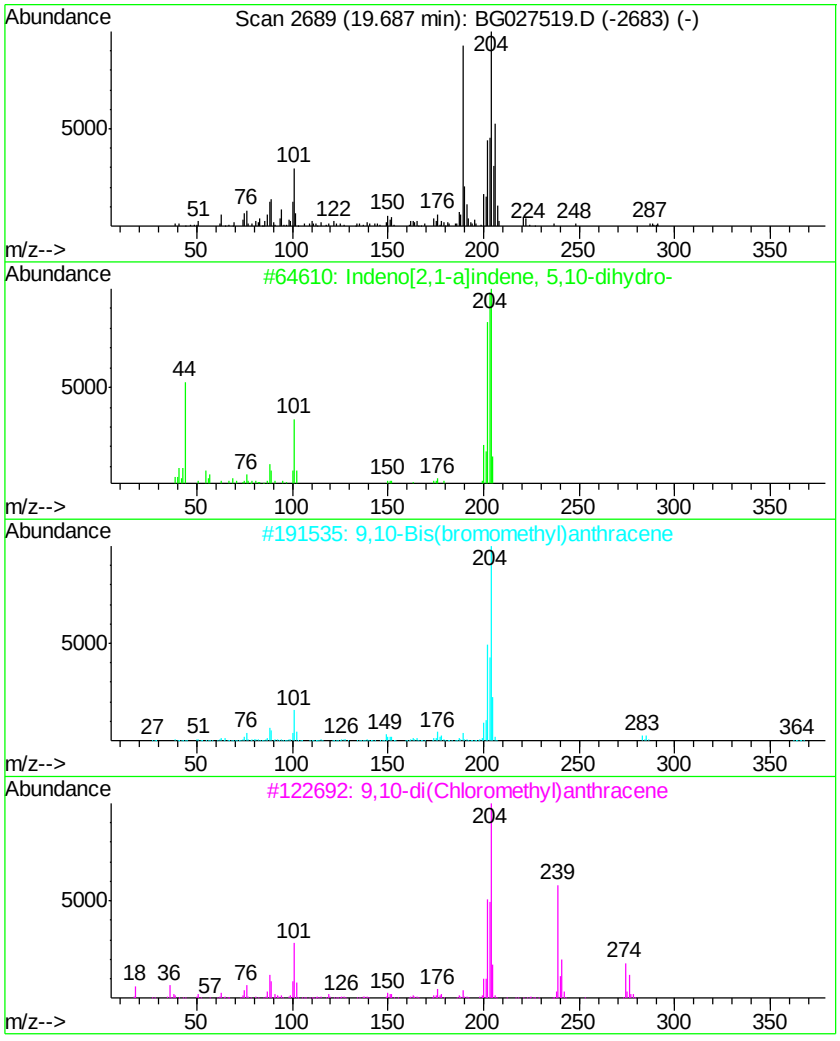
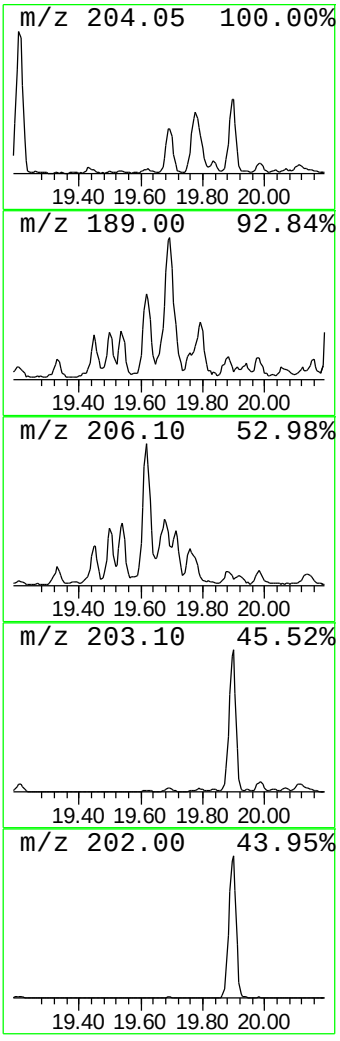
Peak Number 28 unknown-03 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.69	5.83 ng/ul	281262	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	45
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	43
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
5	Levamisole	204	C11H12N2S	014769-73-4	38





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Acq On : 17 Jun 2017 23:07
Operator : SJ/MA
Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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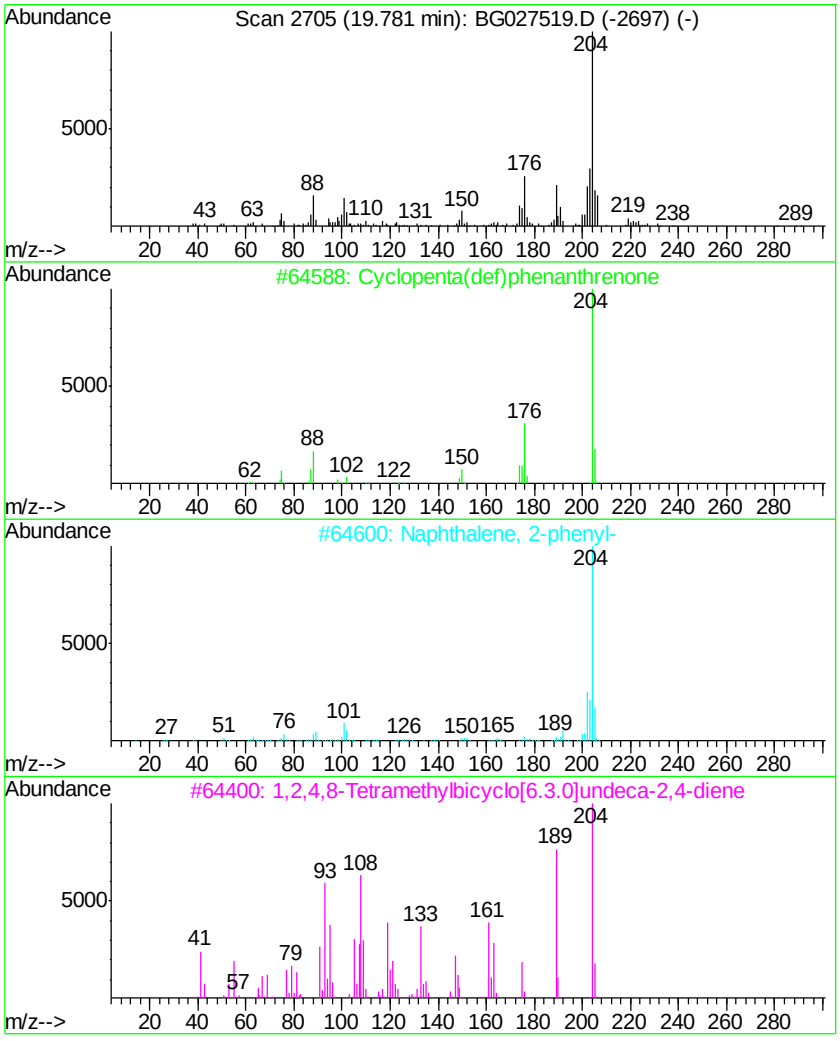
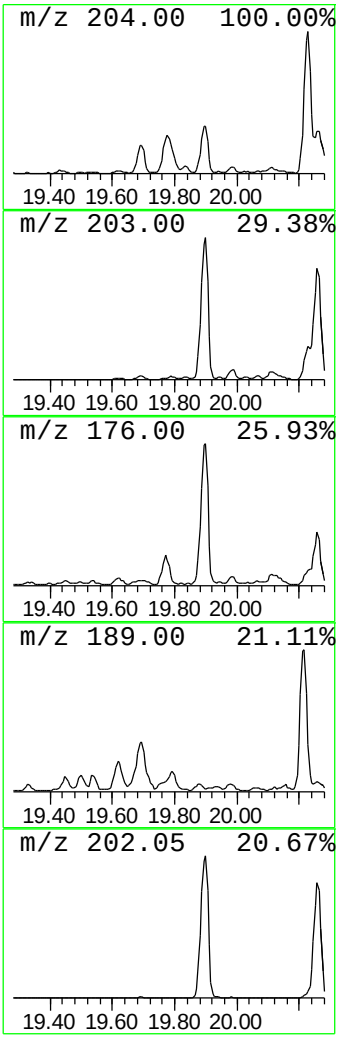
Peak Number 29 Cyclopenta(def)phenanthrenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.78	4.65 ng/ul	224138	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	87
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	55
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	46





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Operator : SJ/MA
Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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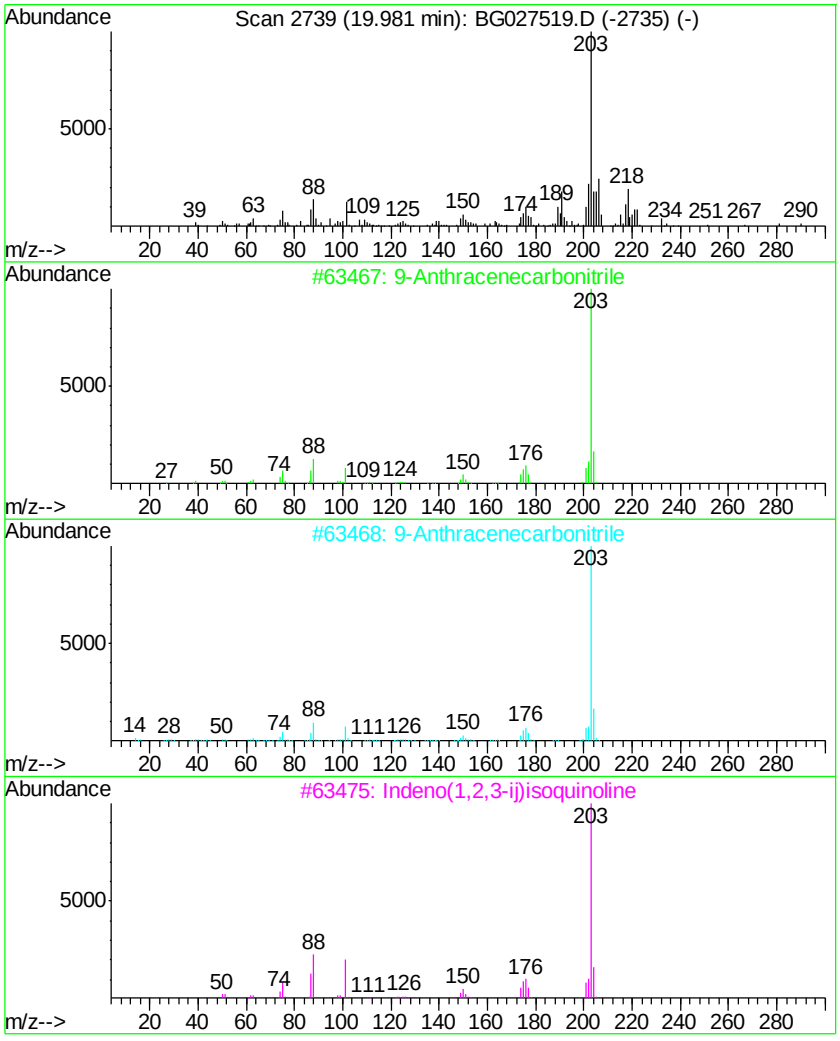
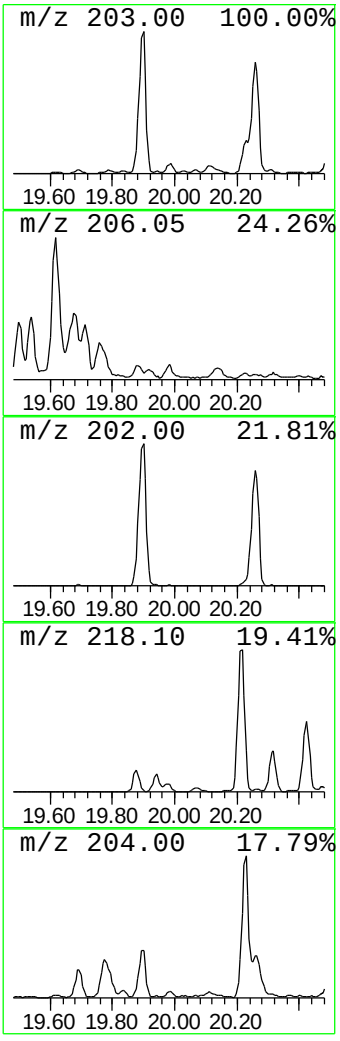
Peak Number 30 9-Anthracenecarbonitrile Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.98	3.01 ng/ul	145392	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	95
2	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	89
3	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	87
4	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	86
5	4-Azapyrene	203	C15H9N	000194-03-6	78





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027519.D
Acq On : 17 Jun 2017 23:07
Operator : SJ/MA
Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5B24

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.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
Naphthalene, 2,6-...	14.28	2.6	ng/ul	112305	3	15.10	869236	20.0
Naphthalene, 1,3-...	14.42	3.1	ng/ul	136955	3	15.10	869236	20.0
Benzene, [1-(2,4-...	16.27	2.9	ng/ul	125830	3	15.10	869236	20.0
9H-Fluorene, 2-me...	16.30	3.1	ng/ul	133003	3	15.10	869236	20.0
Dibenzofuran, 4-m...	16.43	4.3	ng/ul	184525	3	15.10	869236	20.0
Naphthalene, 1,2,...	16.78	3.8	ng/ul	182144	4	17.85	964774	20.0
9H-Fluorene, 1-me...	17.15	6.0	ng/ul	291294	4	17.85	964774	20.0
9H-Fluorene, 4-me...	17.30	3.4	ng/ul	163662	4	17.85	964774	20.0
Naphtho[2,1-b]fur...	17.37	3.2	ng/ul	153134	4	17.85	964774	20.0
unknown-01	17.41	3.4	ng/ul	166110	4	17.85	964774	20.0
9H-Fluoren-9-one	17.50	2.3	ng/ul	108524	4	17.85	964774	20.0
unknown-02	17.57	5.5	ng/ul	265013	4	17.85	964774	20.0
Dibenzothiophene	17.67	5.1	ng/ul	245260	4	17.85	964774	20.0
Acridine	18.04	2.6	ng/ul	124085	4	17.85	964774	20.0
Cyclobuta[1'',2''...	18.37	2.4	ng/ul	114532	4	17.85	964774	20.0
Phenanthrene, 2-m...	18.72	9.2	ng/ul	444144	4	17.85	964774	20.0
Anthracene, 1-met...	18.85	5.3	ng/ul	258241	4	17.85	964774	20.0
4H-Cyclopenta[def...	18.92	30.5	ng/ul	1469690	4	17.85	964774	20.0
Naphthalene, 2-ph...	19.21	5.3	ng/ul	257274	4	17.85	964774	20.0
9,10-Anthracenedione	19.26	6.4	ng/ul	309876	4	17.85	964774	20.0
Phenanthrene, 4,5...	19.45	2.7	ng/ul	131248	4	17.85	964774	20.0
di-p-Tolylacetylene	19.50	2.0	ng/ul	96861	4	17.85	964774	20.0
Phenanthrene, 2,5...	19.62	6.5	ng/ul	311847	4	17.85	964774	20.0
unknown-03	19.69	5.8	ng/ul	281262	4	17.85	964774	20.0
Cyclopenta(def)ph...	19.78	4.7	ng/ul	224138	4	17.85	964774	20.0
9-Anthracenecarbo...	19.98	3.0	ng/ul	145392	4	17.85	964774	20.0