LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051017\
Data File : BG026941.D
Acq On : 10 May 2017 16:56
Operator : SJ/MA
Sample : I2884-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YAB34

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-BG042717.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	7.184	691	697	714	rVV	343963	705721	11.97%	0.806%
2	7.331	714	722	733	rVB	315964	540996	9.18%	0.618%
3	7.542	750	758	770	rVB	382457	694232	11.78%	0.793%
4	8.006	828	837	854	rVB	668228	1151664	19.54%	1.316%
5	8.717	952	958	982	rVB2	417355	878994	14.91%	1.004%
6	9.164	1027	1034	1048	rBV	370856	682325	11.57%	0.780%
7	9.322	1053	1061	1072	rBV10	15348	38423	0.65%	0.044%
8	9.886	1148	1157	1173	rVV	291396	547383	9.29%	0.625%
9	10.439	1242	1251	1274	rBV	405247	869544	14.75%	0.993%
10	10.803	1303	1313	1319	rBV	1038576	1849809	31.38%	2.113%
11	10.856	1319	1322	1331	rVB	96771	156036	2.65%	0.178%
12	10.950	1331	1338	1347	rBV2	54713	127298	2.16%	0.145%
13	12.454	1588	1594	1602	rVV	61933	108166	1.83%	0.124%
14	12.671	1624	1631	1638	rVB	91999	153403	2.60%	0.175%
15	13.153	1703	1713	1719	rVB8	15272	33718	0.57%	0.039%
16	13.441	1752	1762	1765	rBV3	32588	58832	1.00%	0.067%
17	13.476	1765	1768	1775	rVB4	40180	67866	1.15%	0.078%
18	13.794	1812	1822	1828	rBV5	37316	94065	1.60%	0.107%
19	13.858	1828	1833	1839	rVB9	21206	33443	0.57%	0.038%
20	13.941	1839	1847	1852	rBV2	60672	119879	2.03%	0.137%
21	14.017	1852	1860	1864	rVV	786927	1216316	20.63%	1.390%
22	14.064	1864	1868	1877	rVV	335054	515887	8.75%	0.589%
23	14.176	1882	1887	1890	rVV2	24175	36421	0.62%	0.042%
24	14.211	1890	1893	1899	rVB7	26438	41707	0.71%	0.048%
25	14.311	1899	1910	1921	rBV	1003492	1663152	28.21%	1.900%
26	14.505	1939	1943	1952	rVB	45615	61138	1.04%	0.070%
27	14.616	1953	1962	1969	rBV2	1343674	2226876	37.77%	2.544%
28	14.681	1969	1973	1980	rVB	91005	140900	2.39%	0.161%
29	14.751	1980	1985	1994	rVB3	34159	64408	1.09%	0.074%
30	14.851	1994	2002	2012	rBV3	154075	414235	7.03%	0.473%
31	15.016	2019	2030	2038	rBV	134547	267457	4.54%	0.306%
32	15.233	2062	2067	2072	rVV5	28160	46676	0.79%	0.053%
33	15.286	2072	2076	2081	rVB5	24927	35943	0.61%	0.041%
34	15.404	2087	2096	2099	rBV7	41791	114525	1.94%	0.131%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051017\
Data File : BG026941.D
Acq On : 10 May 2017 16:56
Operator : SJ/MA
Sample : I2884-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YAB34

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-BG042717.M
Title : SVOA CALIBRATION

35	15.451	2099	2104	2109	rVB2	91850	138143	2.34%	0.158%
36	15.603	2118	2130	2135	rBV	1168896	1761447	29.88%	2.012%
37	15.662	2135	2140	2147	rVB2	216637	352654	5.98%	0.403%
38	15.733	2148	2152	2158	rBV	133651	217868	3.70%	0.249%
39	15.856	2166	2173	2181	rVB3	50585	112959	1.92%	0.129%
40	15.950	2181	2189	2195	rBV	67413	129681	2.20%	0.148%
41	16.003	2195	2198	2205	rVB9	19715	43652	0.74%	0.050%
42	16.097	2206	2214	2224	rVB2	60514	142732	2.42%	0.163%
43	16.308	2245	2250	2252	rBV2	132393	192905	3.27%	0.220%
44	16.332	2252	2254	2260	rVB2	146884	196248	3.33%	0.224%
45	16.461	2273	2276	2281	rVV7	22372	35648	0.60%	0.041%
46	16.655	2304	2309	2313	rBV6	41556	73897	1.25%	0.084%
47	16.708	2314	2318	2321	rVB5	40340	62502	1.06%	0.071%
48	16.755	2321	2326	2331	rBV9	48333	94909	1.61%	0.108%
49	16.814	2332	2336	2339	rVB6	32176	41534	0.70%	0.047%
50	16.890	2345	2349	2353	rBV7	27222	37186	0.63%	0.042%
51	17.008	2363	2369	2376	rVB	173455	298160	5.06%	0.341%
52	17.096	2378	2384	2388	rBV2	116835	172968	2.93%	0.198%
53	17.166	2389	2396	2404	rVB2	136795	374073	6.35%	0.427%
54	17.354	2421	2428	2431	rBV	1386079	2085243	35.37%	2.382%
55	17.395	2431	2435	2441	rVV	2253828	3621976	61.44%	4.138%
56	17.454	2441	2445	2455	rVB3	1038057	1798587	30.51%	2.055%
57	17.754	2489	2496	2504	rBV2	156845	302856	5.14%	0.346%
58	17.830	2504	2509	2512	rBV2	123384	172097	2.92%	0.197%
59	17.865	2513	2515	2520	rVB4	60944	78226	1.33%	0.089%
60	17.936	2522	2527	2535	rBV6	86672	176415	2.99%	0.202%
61	18.147	2561	2563	2566	rBV4	32110	40596	0.69%	0.046%
62	18.235	2572	2578	2581	rBV2	419333	729327	12.37%	0.833%
63	18.277	2581	2585	2590	rVB	316898	480318	8.15%	0.549%
64	18.424	2604	2610	2613	rBV2	296376	507801	8.61%	0.580%
65	18.453	2614	2615	2622	rVB	176931	203468	3.45%	0.232%
66	18.523	2623	2627	2632	rBV2	112870	171120	2.90%	0.195%
67	18.717	2656	2660	2665	rBV	157356	252812	4.29%	0.289%
68	18.764	2665	2668	2674	rVB3	170752	263932	4.48%	0.302%
69	18.964	2694	2702	2708	rBV3	90463	248853	4.22%	0.284%
70	19.023	2708	2712	2716	rBV5	77718	142467	2.42%	0.163%
71	19.146	2727	2733	2737	rBV3	247474	489940	8.31%	0.560%

LSC Area Percent Report

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Data File : BG026941.D
Acq On : 10 May 2017 16:56
Operator : SJ/MA
Sample : I2884-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YAB34

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-BG042717.M
Title : SVOA CALIBRATION

72	19.228	2745	2747	2751	rVB	112360	122004	2.07%	0.139%
73	19.281	2751	2756	2760	rBV	199845	365382	6.20%	0.417%
74	19.399	2771	2776	2782	rVB	2004083	2946685	49.98%	3.366%
75	19.499	2789	2793	2799	rBV4	168125	231760	3.93%	0.265%
76	19.734	2828	2833	2835	rBV3	1309803	2139877	36.30%	2.445%
77	19.763	2835	2838	2845	rVB	2035988	2851287	48.37%	3.257%
78	19.834	2846	2850	2856	rVB3	190713	291558	4.95%	0.333%
79	20.245	2916	2920	2928	rVB2	443278	677618	11.49%	0.774%
80	20.315	2929	2932	2936	rBV2	230739	311553	5.28%	0.356%
81	20.744	3001	3005	3013	rBV	257902	377568	6.40%	0.431%
82	21.009	3046	3050	3055	rBV	209098	369070	6.26%	0.422%
83	21.238	3086	3089	3093	rVB3	304184	361459	6.13%	0.413%
84	21.602	3142	3151	3155	rBV2	1489256	3603853	61.13%	4.117%
85	21.649	3155	3159	3170	rVB	948054	1655025	28.07%	1.891%
86	21.773	3177	3180	3190	rVB2	305714	498000	8.45%	0.569%
87	22.378	3279	3283	3296	rVB4	313885	715109	12.13%	0.817%
88	22.548	3307	3312	3317	rBV6	400951	954047	16.18%	1.090%
89	22.718	3338	3341	3342	rBV	244674	253369	4.30%	0.289%
90	23.047	3394	3397	3401	rBV3	249501	396728	6.73%	0.453%
91	23.424	3458	3461	3470	rVB7	449999	1161129	19.70%	1.327%
92	23.758	3511	3518	3522	rBV6	791062	1976715	33.53%	2.258%
93	24.093	3568	3575	3582	rVB3	1099297	2973862	50.45%	3.398%
94	24.787	3687	3693	3720	rVB5	1532360	5769386	97.87%	6.591%
95	25.110	3739	3748	3765	rVB4	1215259	4547943	77.15%	5.196%
96	25.404	3794	3798	3810	rVB	1019197	2519623	42.74%	2.879%
97	25.962	3886	3893	3900	rBV2	811634	2199724	37.31%	2.513%
98	26.056	3903	3909	3927	rVB5	994520	3954311	67.08%	4.518%
99	26.491	3977	3983	4004	rVB3	1304774	5407643	91.73%	6.178%
100	27.601	4162	4172	4187	rVB3	1409207	5895249	100.00%	6.735%

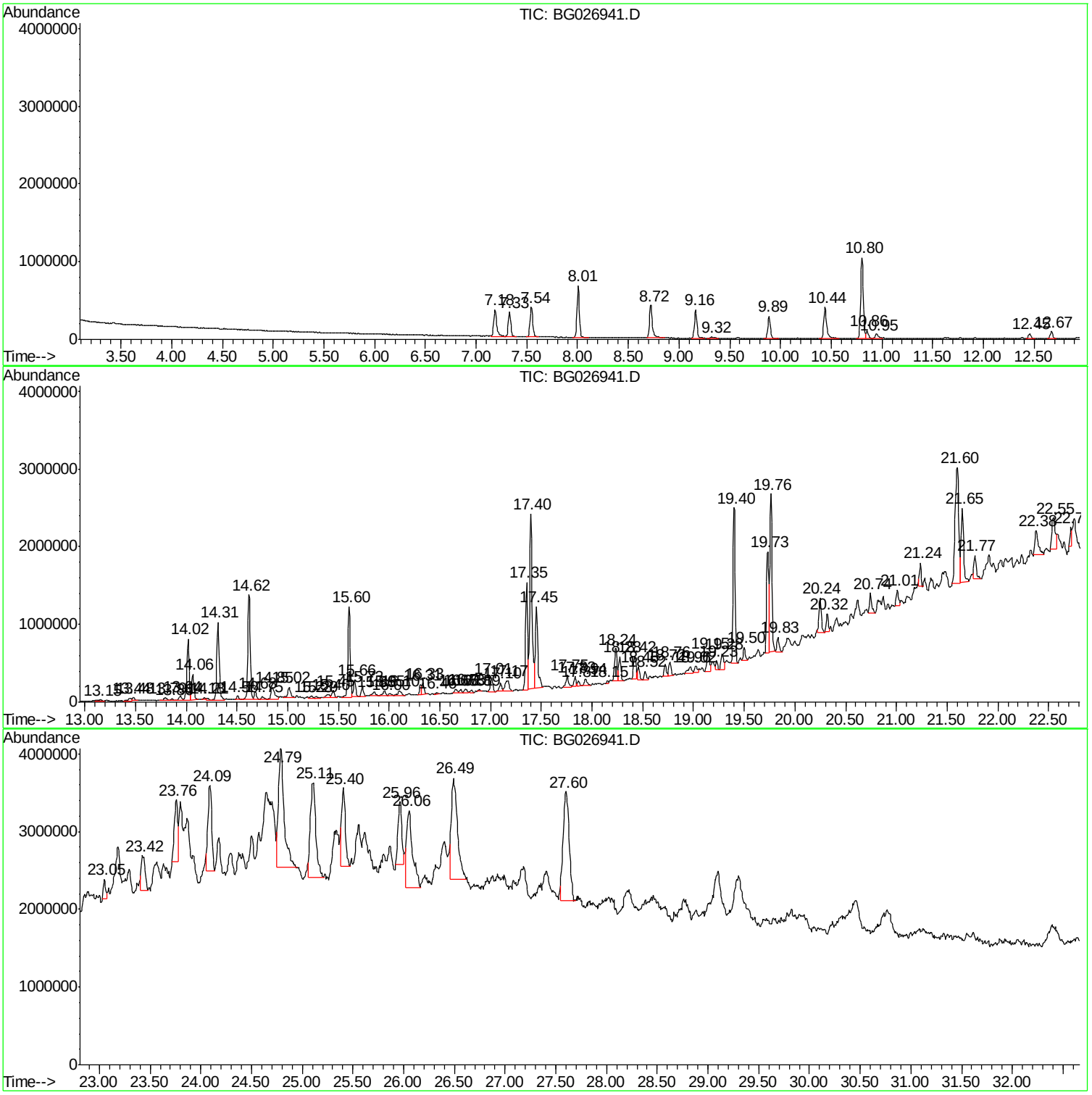
Sum of corrected areas: 87530175

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051017\
Data File : BG026941.D
Acq On : 10 May 2017 16:56
Operator : SJ/MA
Sample : I2884-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
YAB34

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051017\
Data File : BG026941.D
Acq On : 10 May 2017 16:56
Operator : SJ/MA
Sample : I2884-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YAB34

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

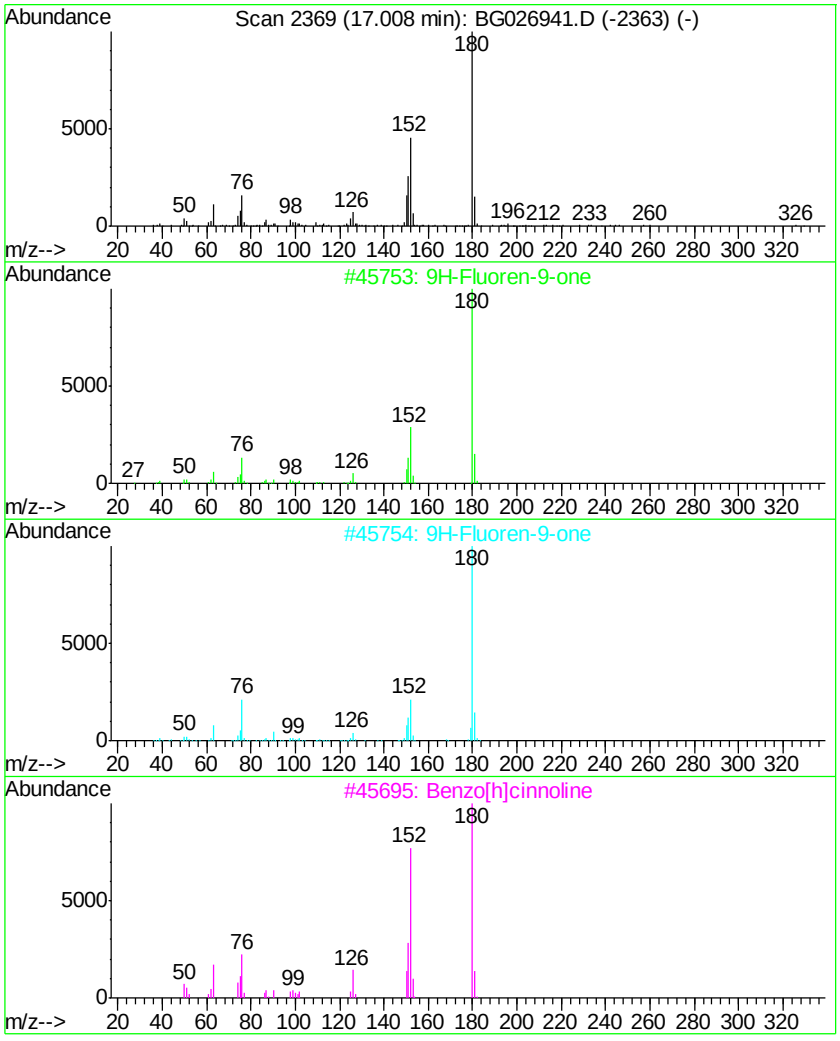
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

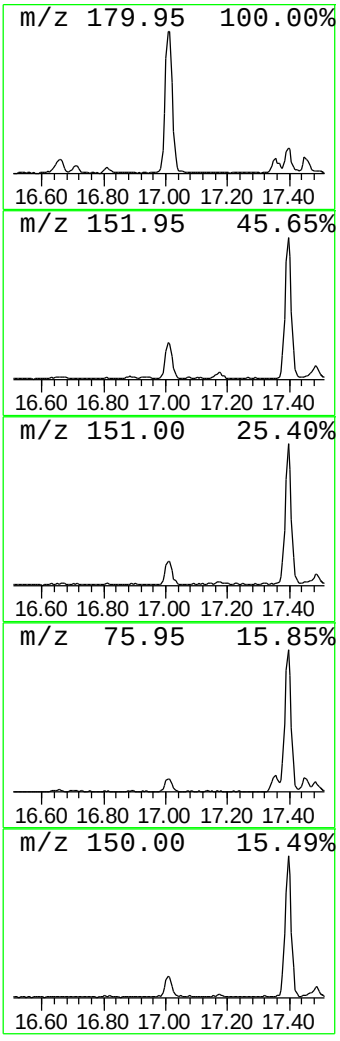
****

Peak Number 1 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.01	2.86 ng/ul	298160	Phenanthrene-d10	17.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051017\
Data File : BG026941.D
Acq On : 10 May 2017 16:56
Operator : SJ/MA
Sample : I2884-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YAB34

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

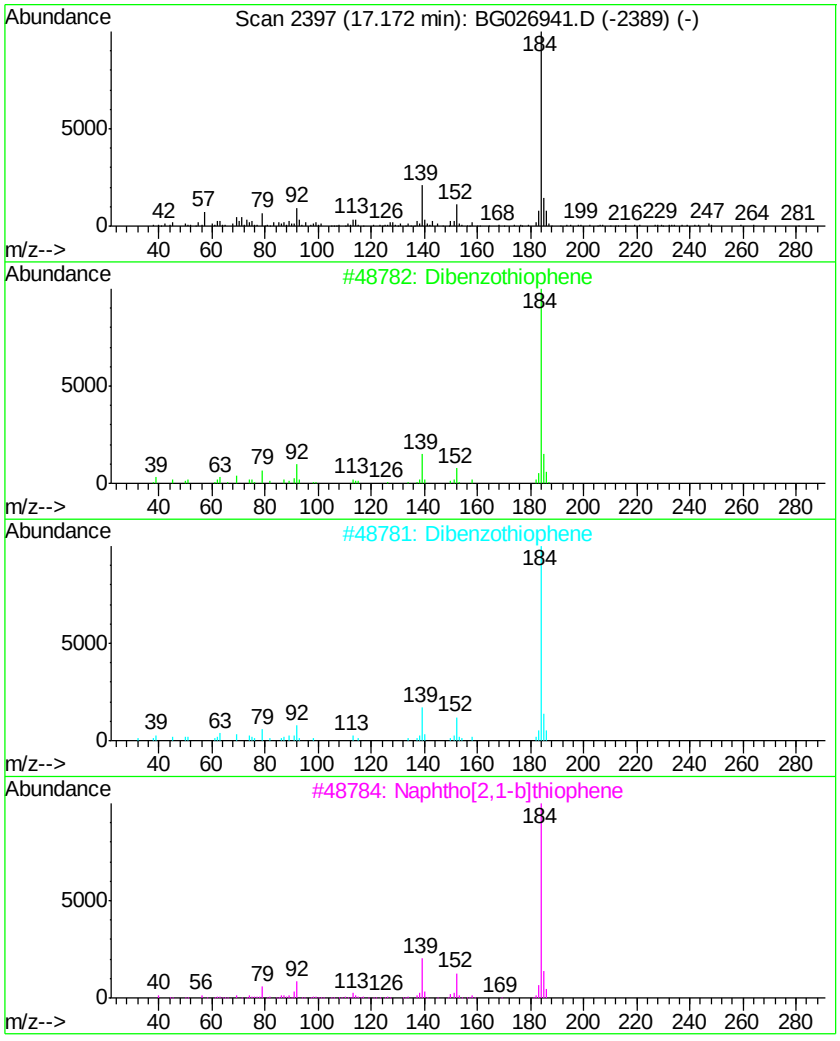
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

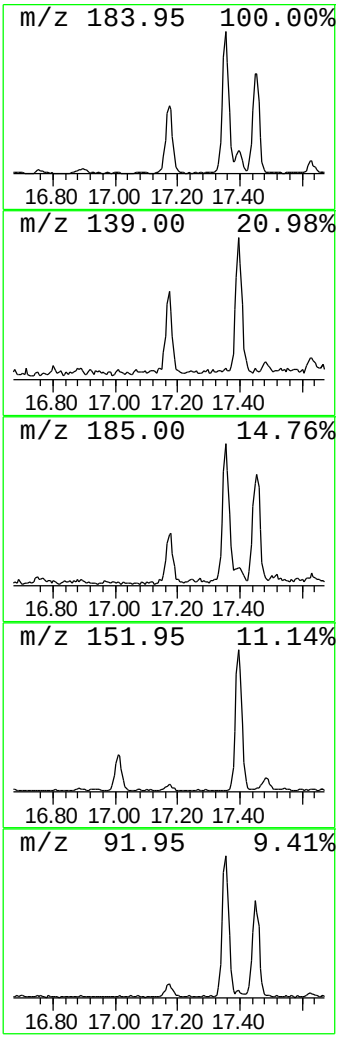
****

Peak Number 2 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.17	3.59 ng/ul	374073	Phenanthrene-d10	17.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	86





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051017\
Data File : BG026941.D
Acq On : 10 May 2017 16:56
Operator : SJ/MA
Sample : I2884-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YAB34

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

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

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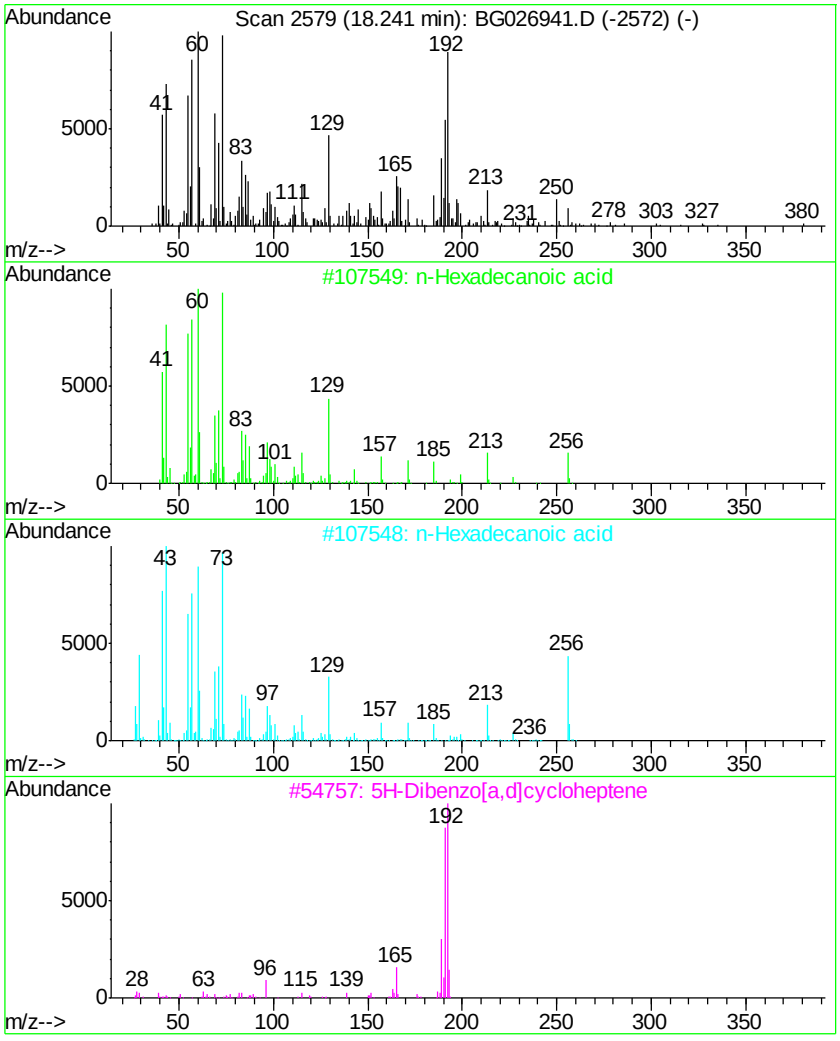
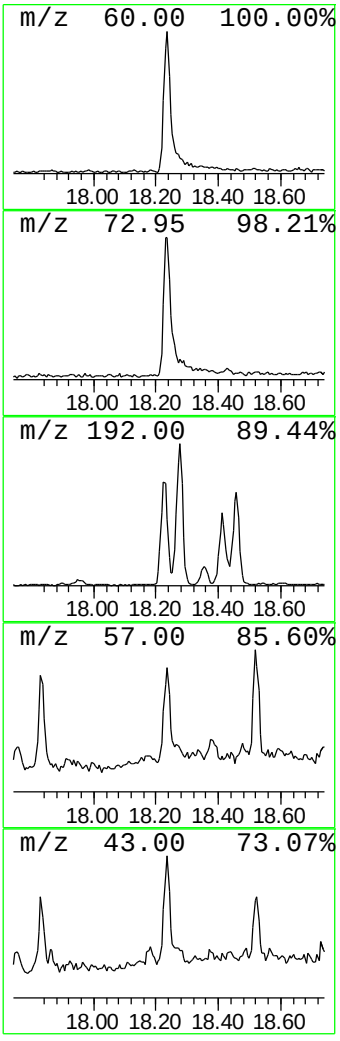
Peak Number 3 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	7.00 ng/ul	729327	Phenanthrene-d10	17.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	90
4	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	60
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	60





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051017\
Data File : BG026941.D
Acq On : 10 May 2017 16:56
Operator : SJ/MA
Sample : I2884-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YAB34

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

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

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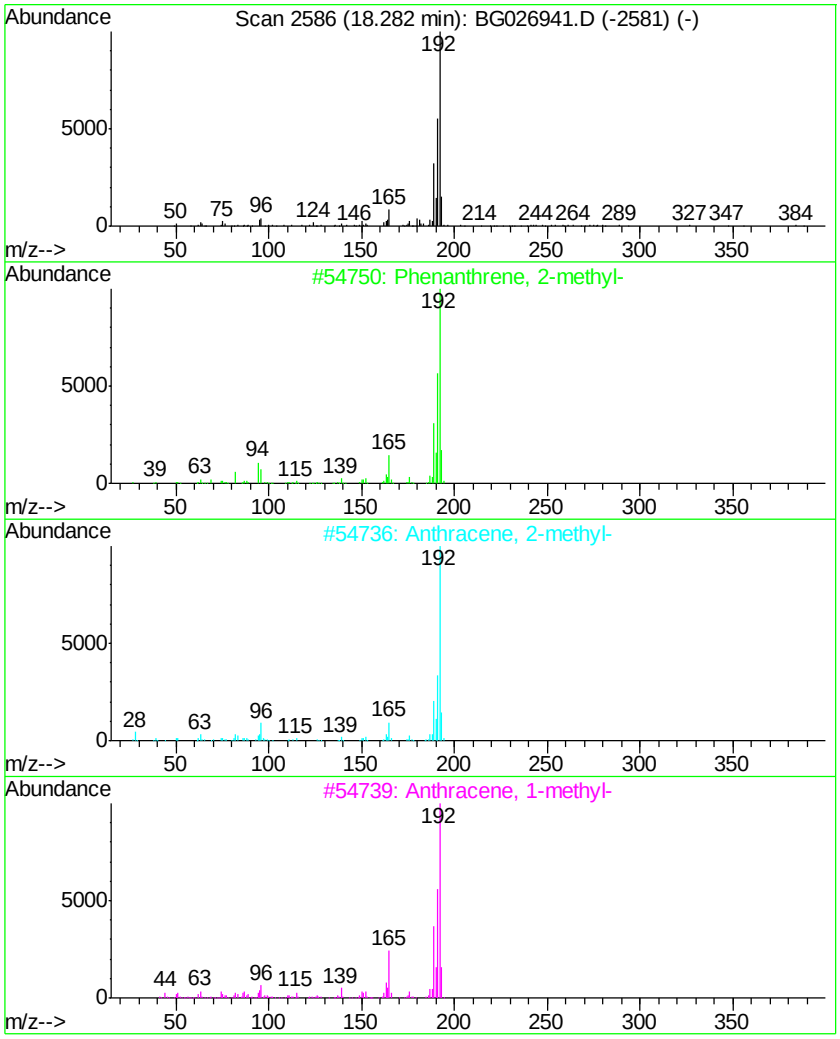
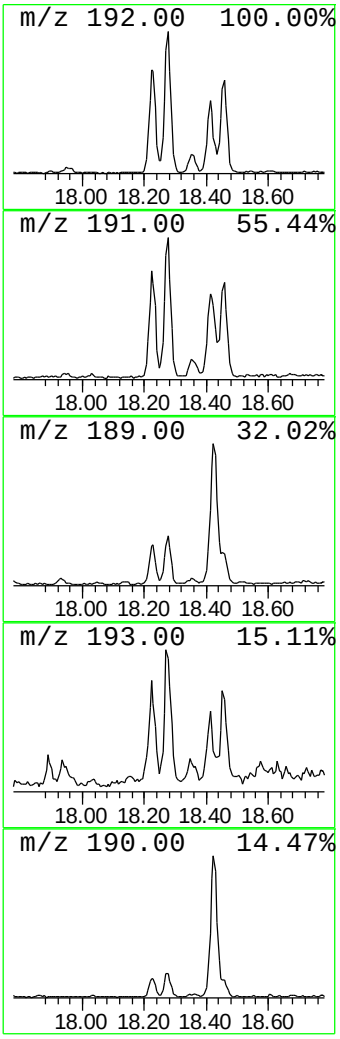
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	4.61 ng/ul	480318	Phenanthrene-d10	17.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051017\
Data File : BG026941.D
Acq On : 10 May 2017 16:56
Operator : SJ/MA
Sample : I2884-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YAB34

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

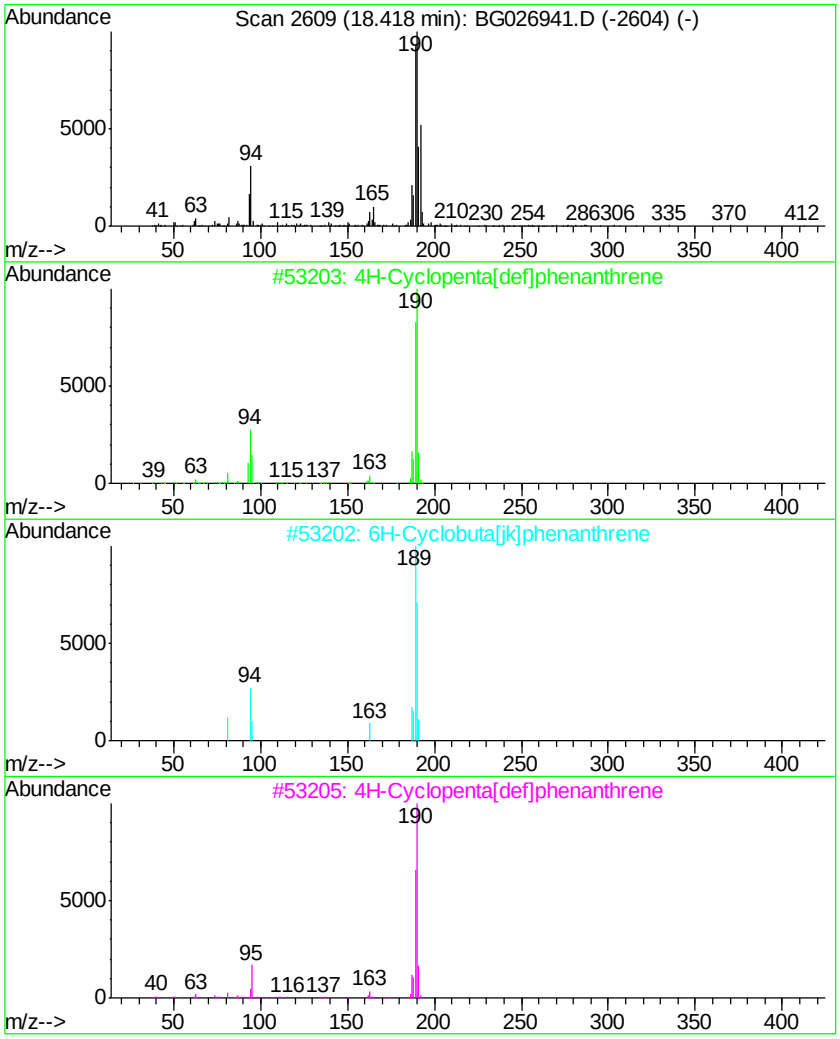
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

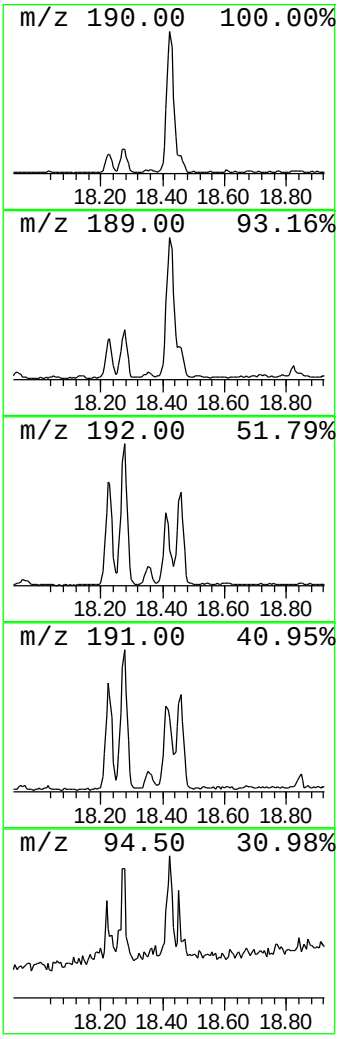
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	4.87 ng/ul	507801	Phenanthrene-d10	17.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





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Acq On : 10 May 2017 16:56
Operator : SJ/MA
Sample : I2884-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YAB34

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

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

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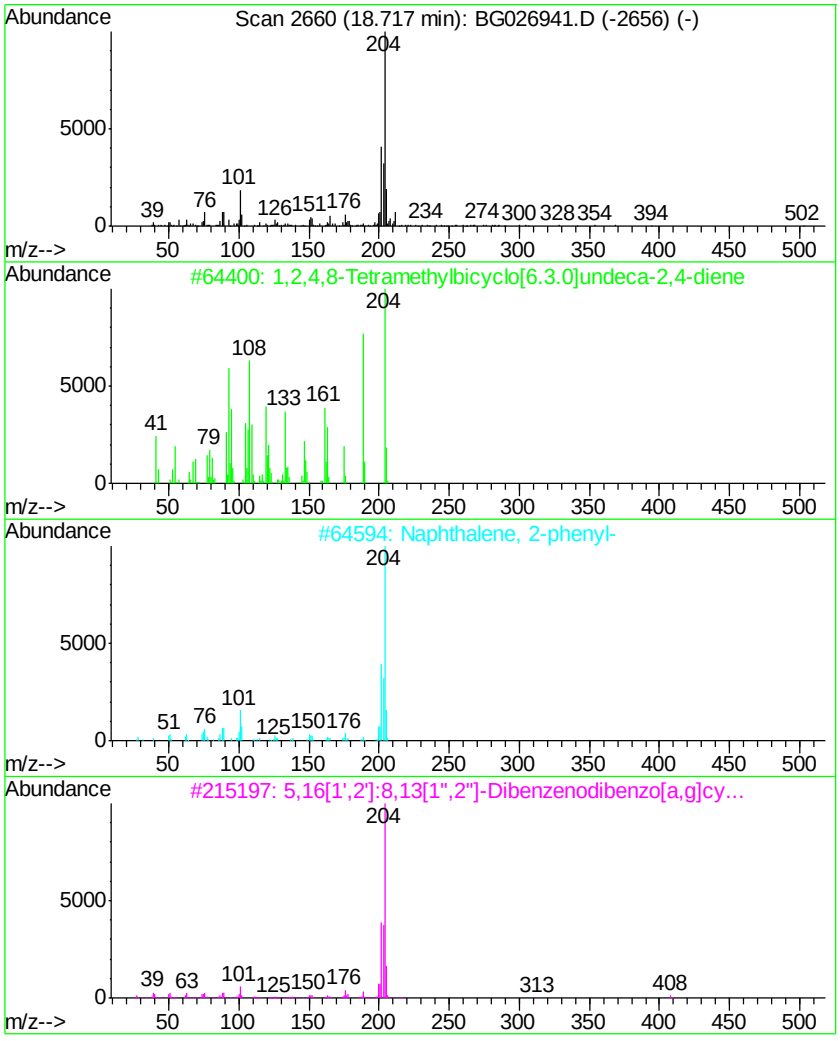
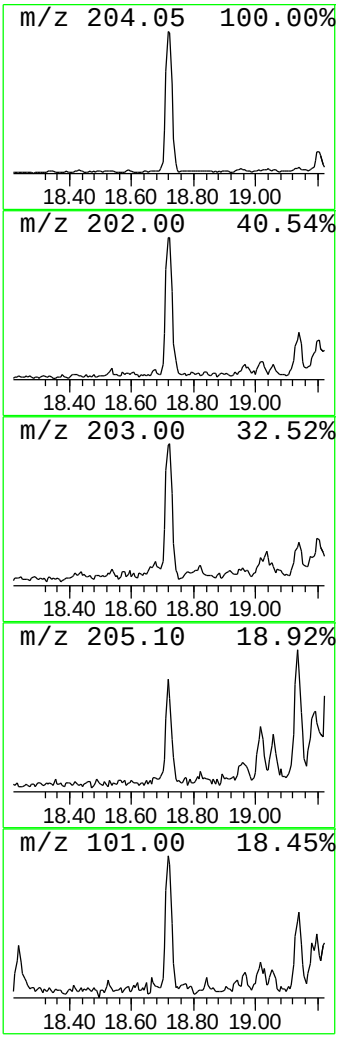
Peak Number 6 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	2.42 ng/ul	252812	Phenanthrene-d10	17.35

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	86
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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Acq On : 10 May 2017 16:56
Operator : SJ/MA
Sample : I2884-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YAB34

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

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

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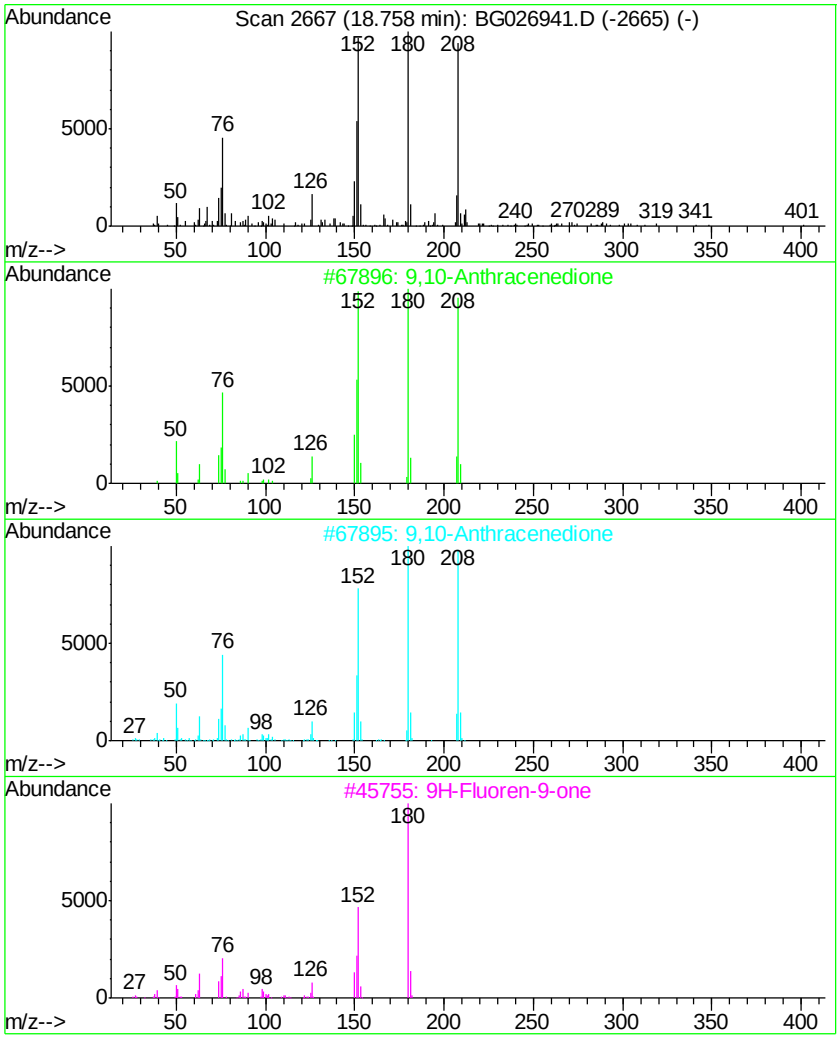
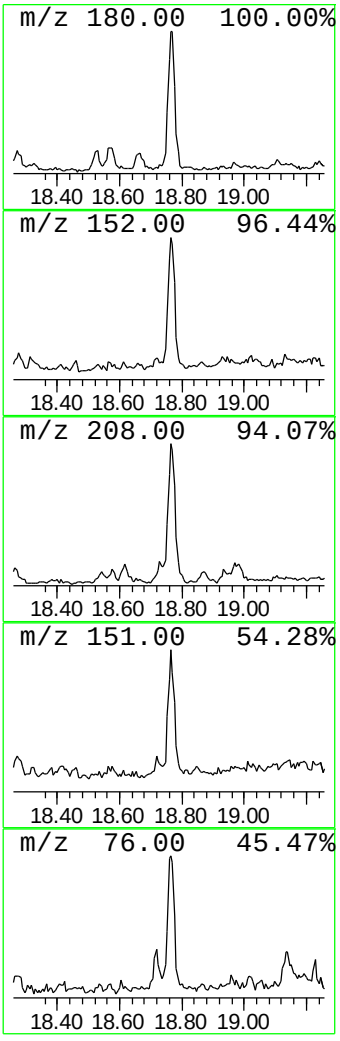
Peak Number 7 9,10-Anthracenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.76	2.53 ng/ul	263932	Phenanthrene-d10	17.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
4	Anthraquinone-1-carboxylic acid	252	C15H8O4	000602-69-7	80
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70





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Sample : I2884-01
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Instrument : BNA_G
ClientSampleId : YAB34

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Quant Title : SVOA CALIBRATION

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

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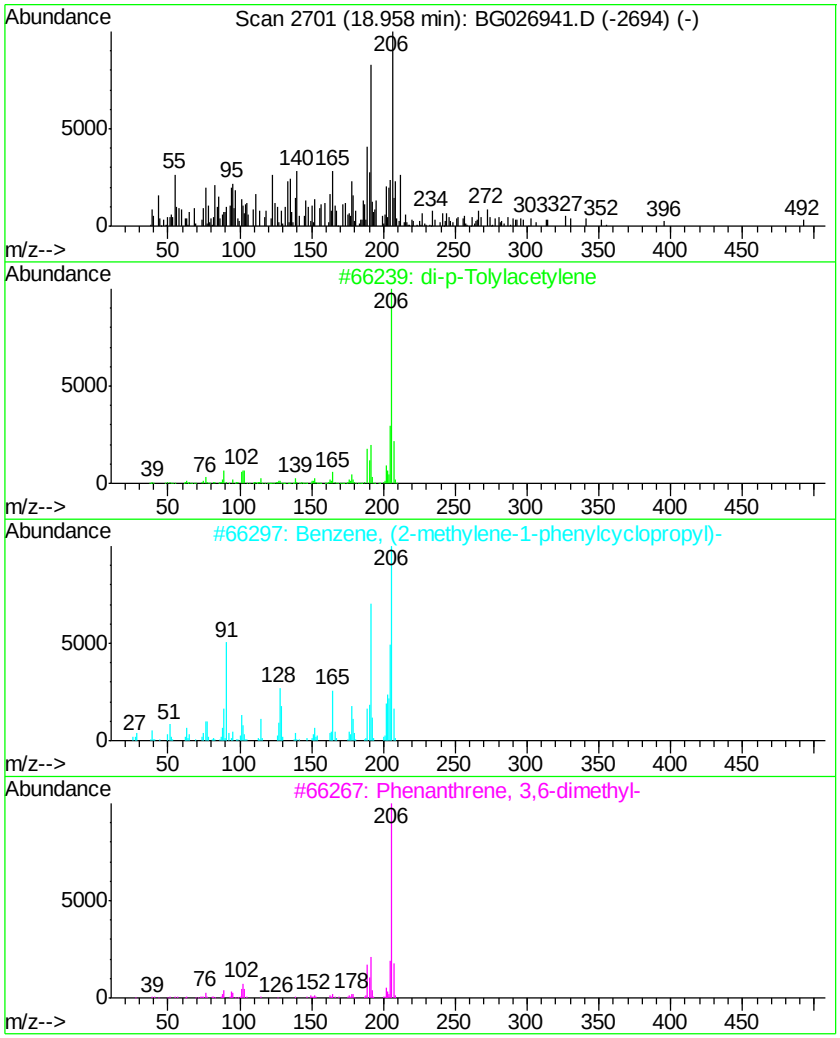
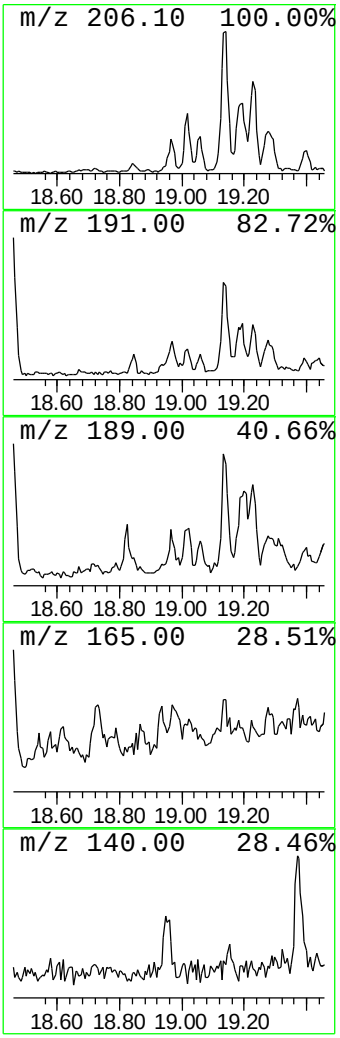
Peak Number 8 di-p-Tolylacetylene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	2.39 ng/ul	248853	Phenanthrene-d10	17.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	81
2	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	70
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	68
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	64
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	64





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YAB34

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Quant Title : SVOA CALIBRATION

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

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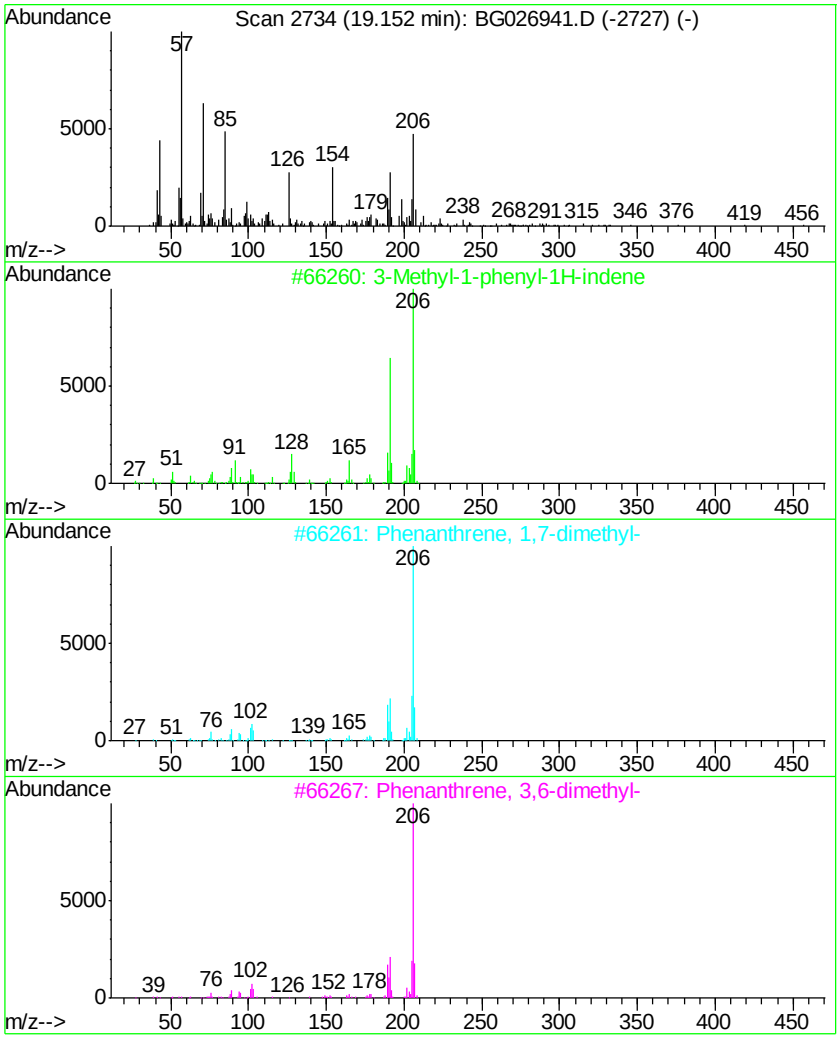
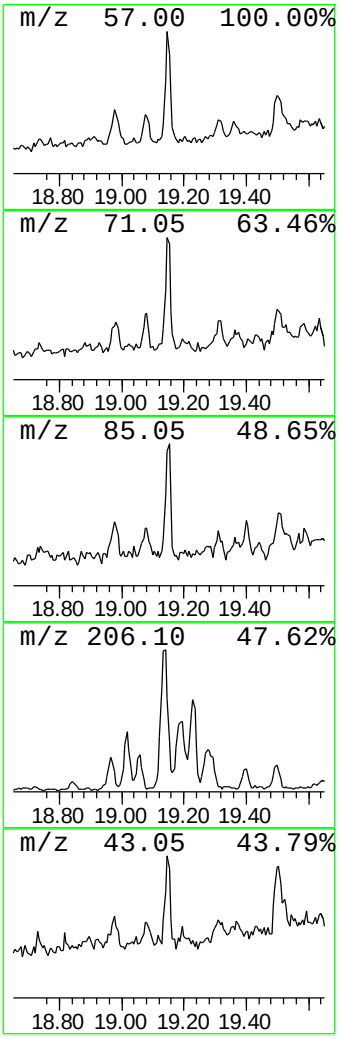
Peak Number 9 3-Methyl-1-phenyl-1H-indene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.15	4.70 ng/ul	489940	Phenanthrene-d10	17.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	64
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	64
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	60
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	60





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Acq On : 10 May 2017 16:56
Operator : SJ/MA
Sample : I2884-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YAB34

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

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

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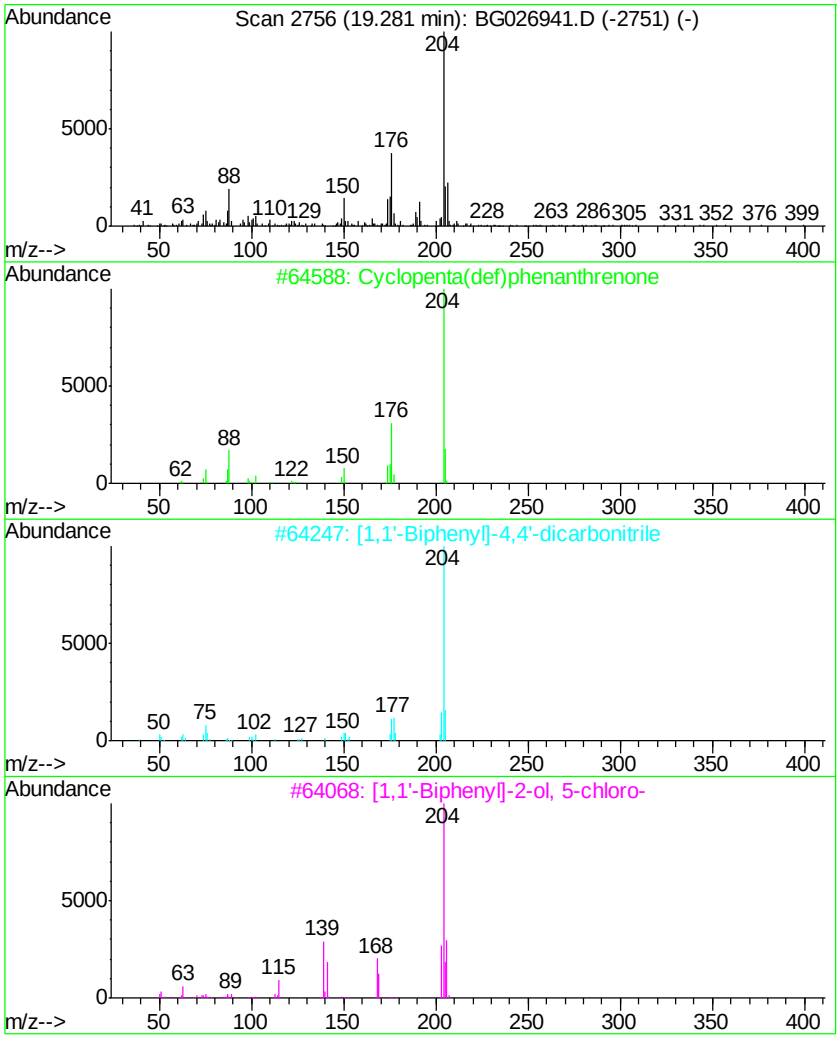
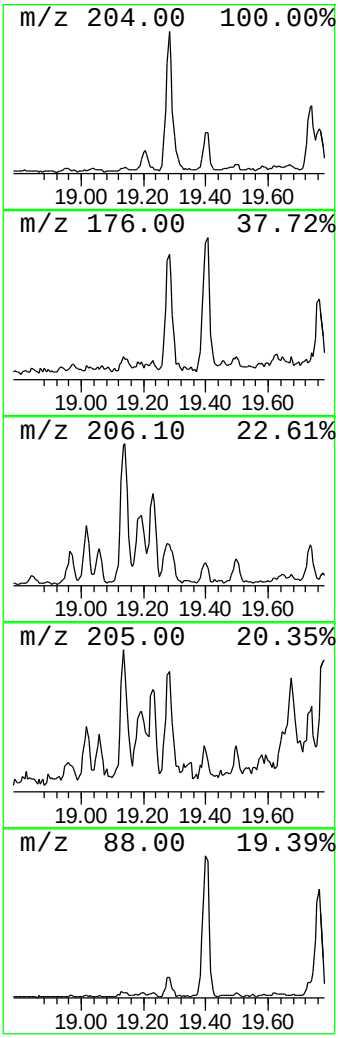
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.28	3.50 ng/ul	365382	Phenanthrene-d10	17.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	49
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43





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Sample : I2884-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YAB34

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Quant Title : SVOA CALIBRATION

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

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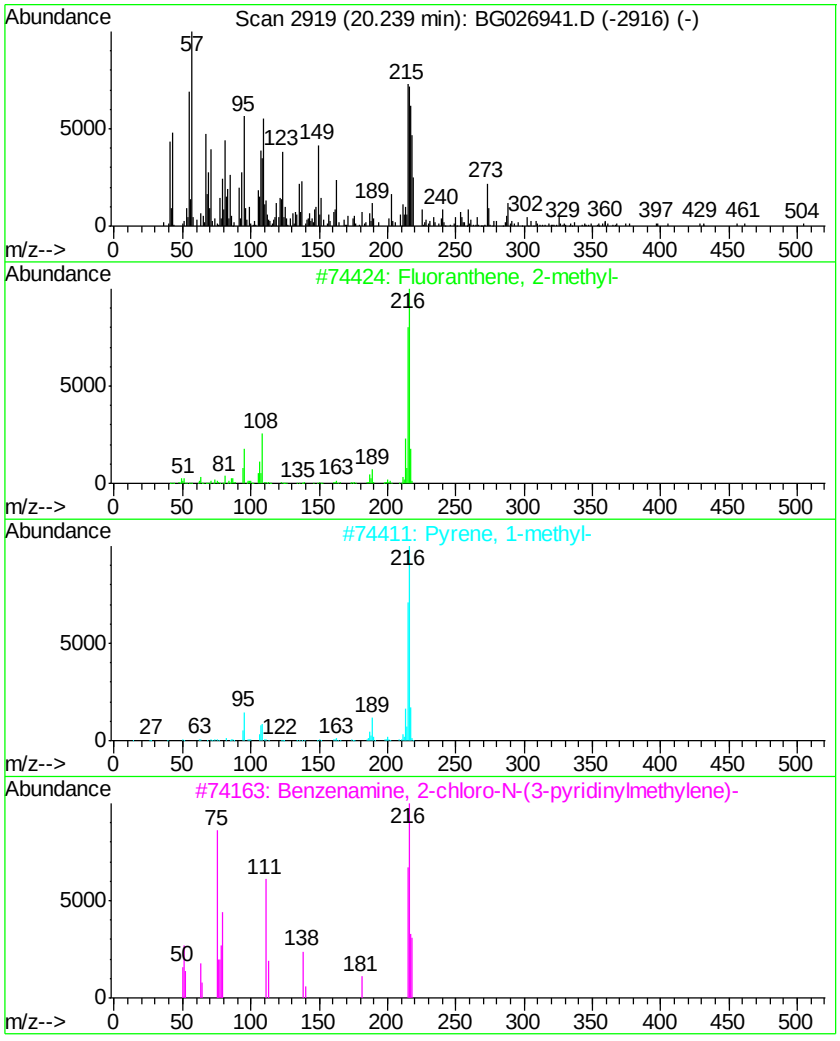
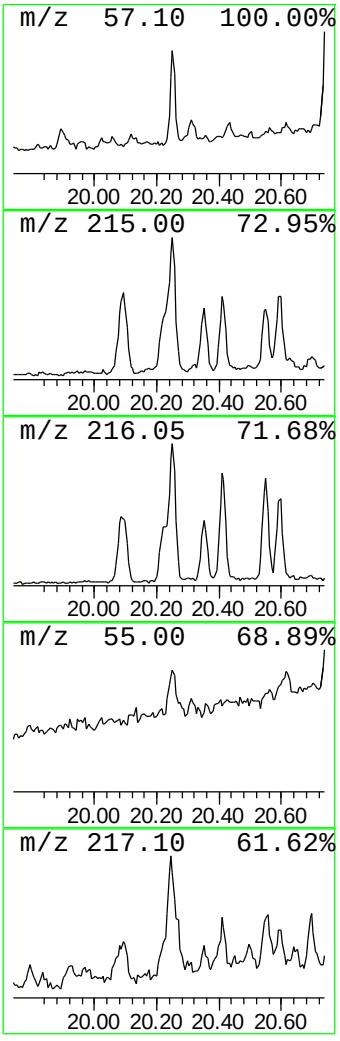
Peak Number 11 unknown-01 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.24	3.76 ng/ul	677618	Chrysene-d12	21.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	41
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	38
3	Benzenamine, 2-chloro-N-(3-pyrid...	216	C12H9ClN2	041855-59-8	35
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	30
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	30





Library Search Compound Report

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Data File : BG026941.D
Acq On : 10 May 2017 16:56
Operator : SJ/MA
Sample : I2884-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YAB34

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

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

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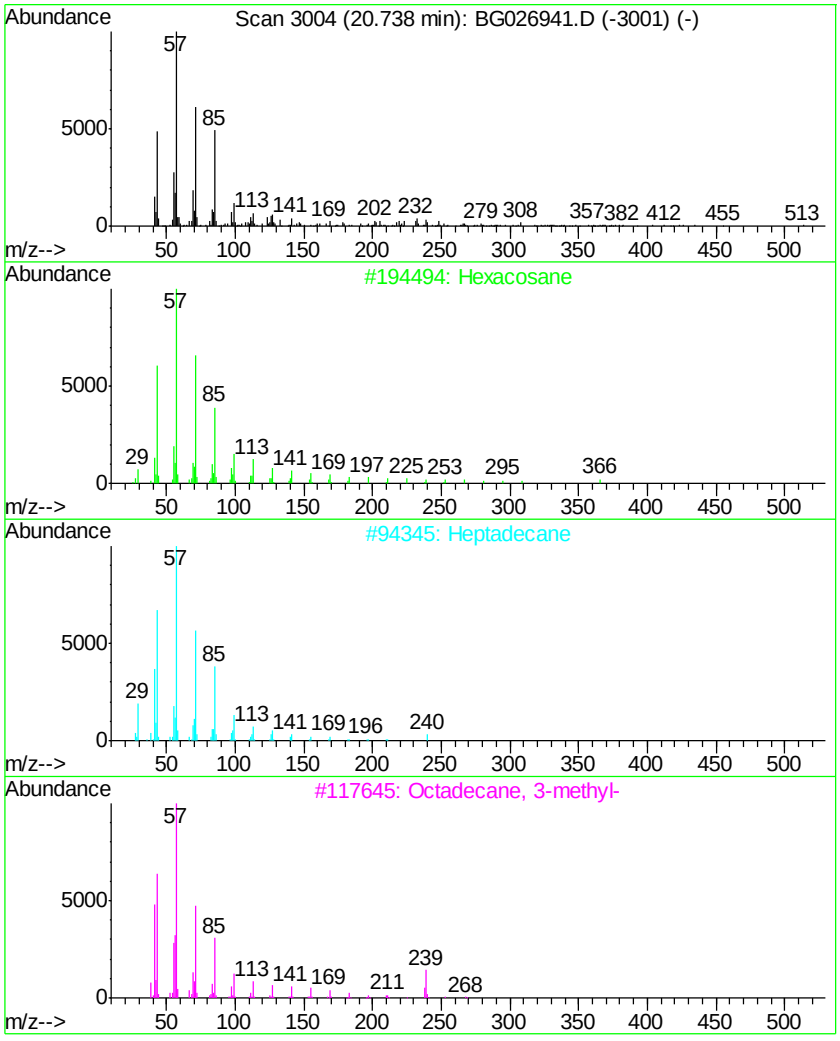
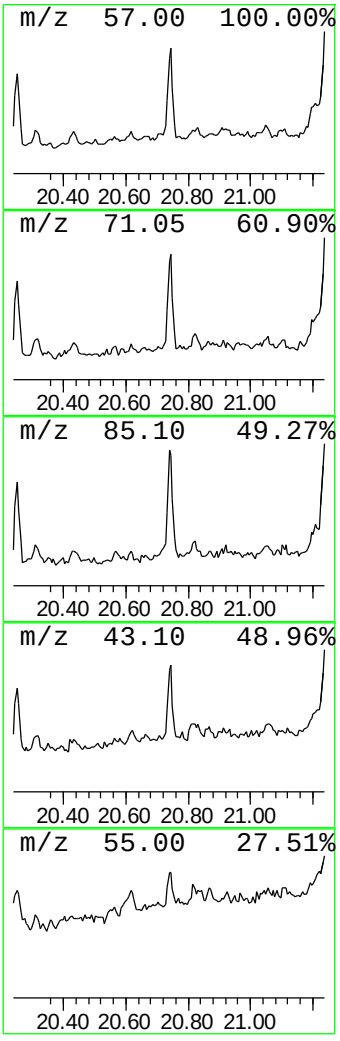
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.74	2.10 ng/ul	377568	Chrysene-d12	21.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	91
2	Heptadecane	240	C17H36	000629-78-7	87
3	Octadecane, 3-methyl-	268	C19H40	006561-44-0	83
4	2-methyloctacosane	408	C29H60	1000376-72-8	83
5	Pentadecane	212	C15H32	000629-62-9	81





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Sample : I2884-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YAB34

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

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

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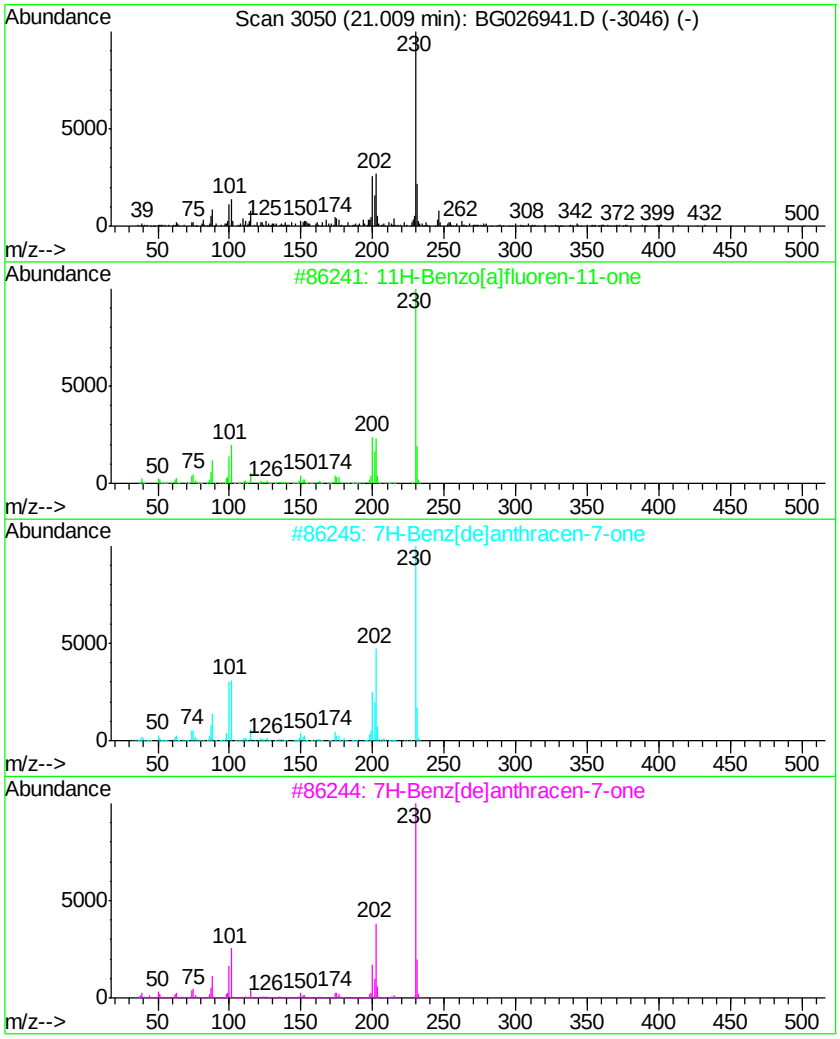
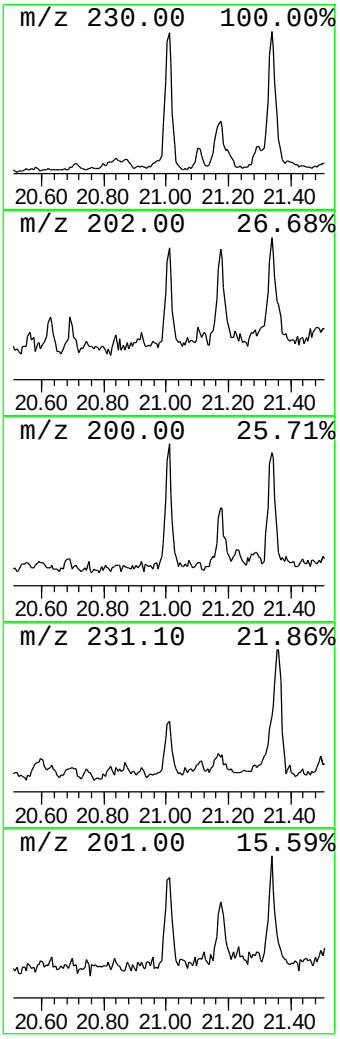
Peak Number 13 11H-Benzo[a]fluoren-11-one Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.01	2.05 ng/ul	369070	Chrysene-d12	21.60

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	87
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68





Library Search Compound Report

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Sample : I2884-01
Misc :
ALS Vial : 8 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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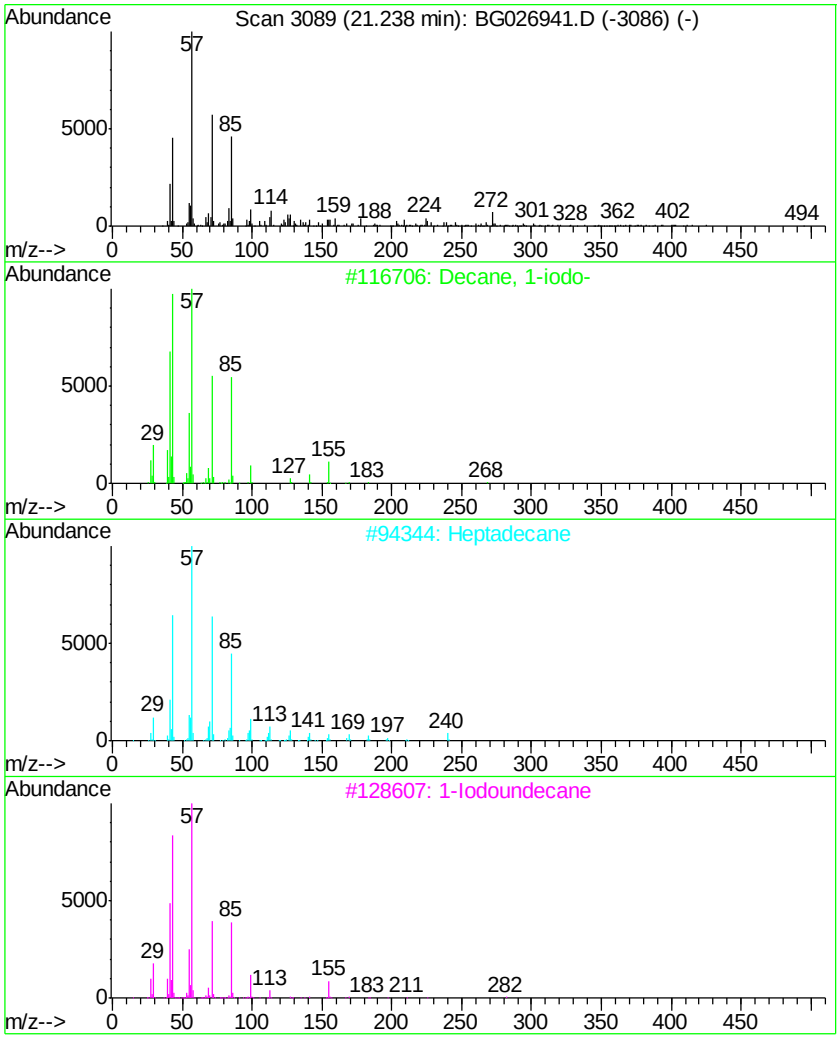
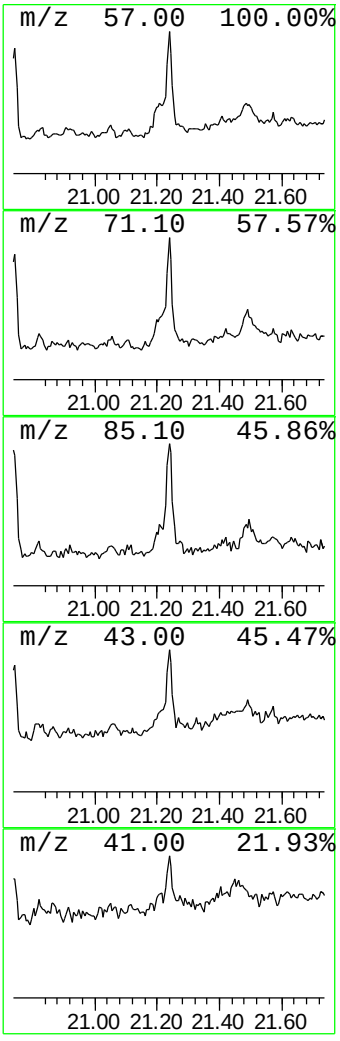
Peak Number 14 Decane, 1-iodo- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.24	2.01 ng/ul	361459	Chrysene-d12	21.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 1-iodo-	268	C10H21I	002050-77-3	68
2	Heptadecane	240	C17H36	000629-78-7	68
3	1-Iodoundecane	282	C11H23I	004282-44-4	64
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	59
5	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	46





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Sample : I2884-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YAB34

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Quant Title : SVOA CALIBRATION

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

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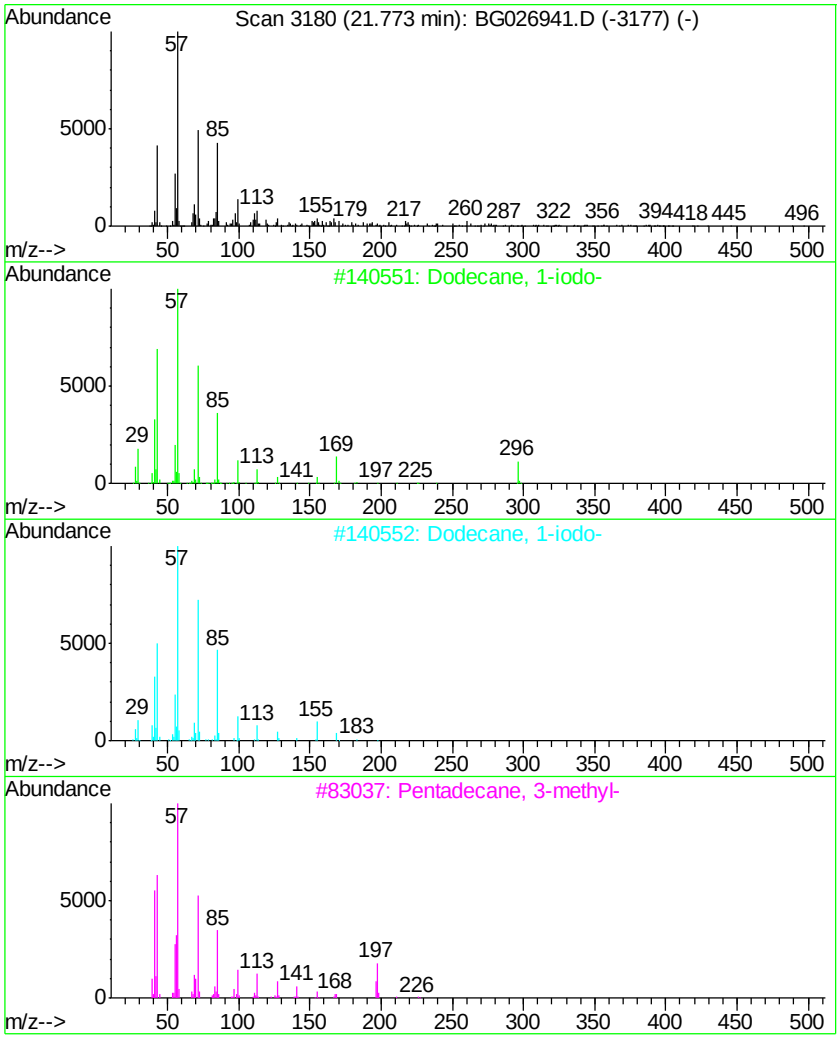
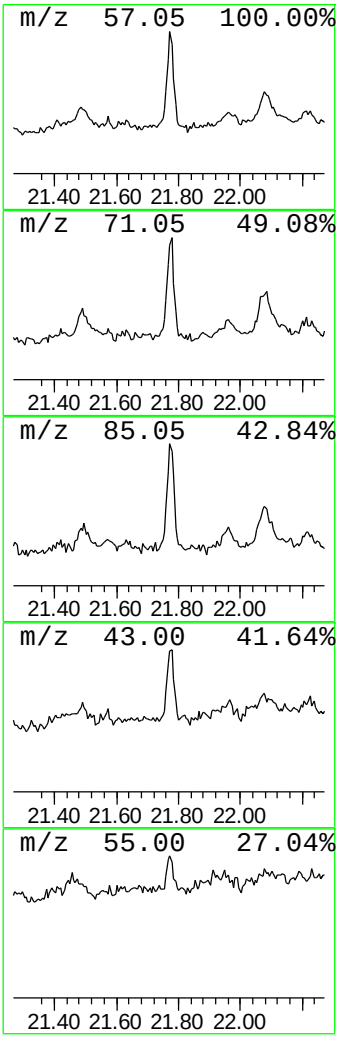
Peak Number 15 Dodecane, 1-iodo- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.77	2.76 ng/ul	498000	Chrysene-d12	21.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80
3	Pentadecane, 3-methyl-	226	C16H34	002882-96-4	80
4	Heptadecane	240	C17H36	000629-78-7	72
5	Heneicosane	296	C21H44	000629-94-7	72





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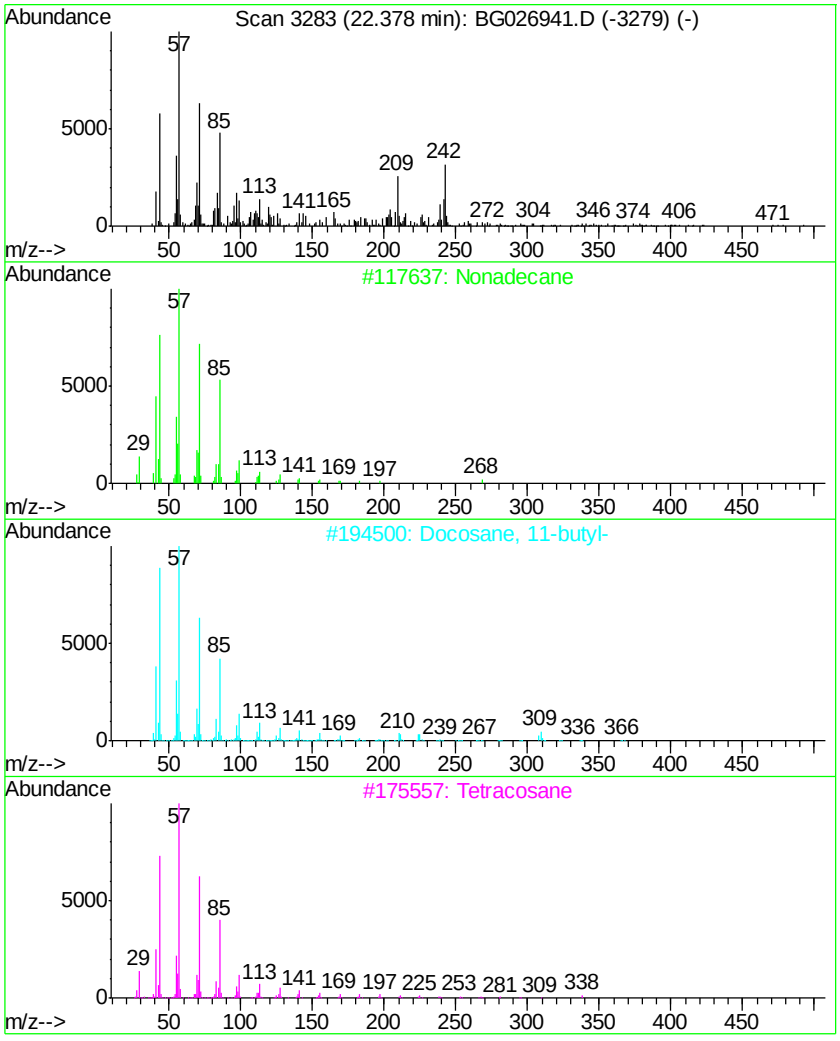
Quant Title : SVOA CALIBRATION

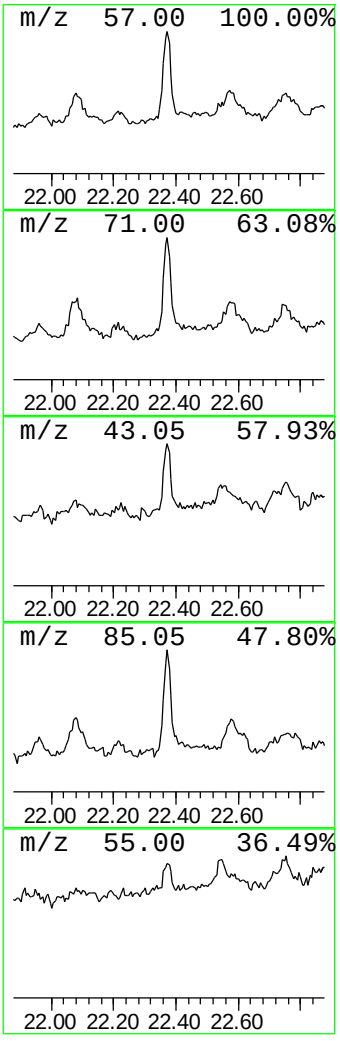
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.38	3.97 ng/ul	715109	Chrysene-d12	21.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	86
2	Docosane, 11-butyl-	366	C26H54	013475-76-8	64
3	Tetracosane	338	C24H50	000646-31-1	64
4	Docosane, 11-butyl-	366	C26H54	013475-76-8	64
5	Heptadecane	240	C17H36	000629-78-7	64





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Data File : BG026941.D
Acq On : 10 May 2017 16:56
Operator : SJ/MA
Sample : I2884-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YAB34

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

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

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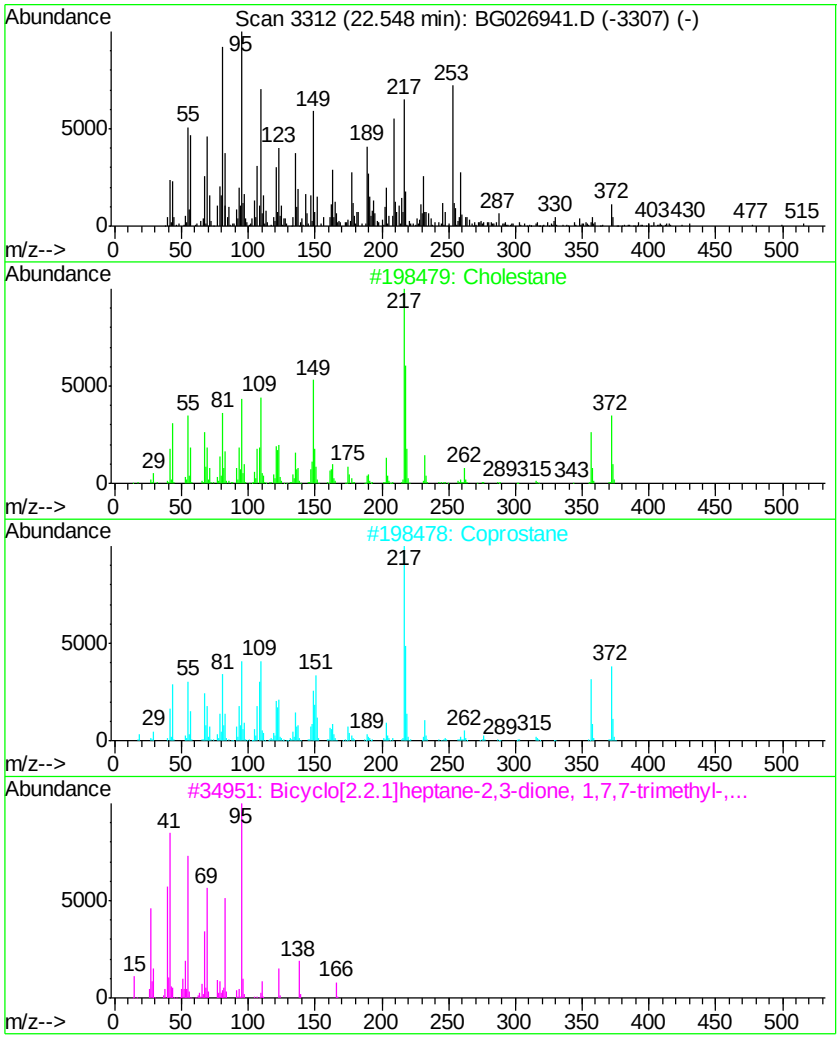
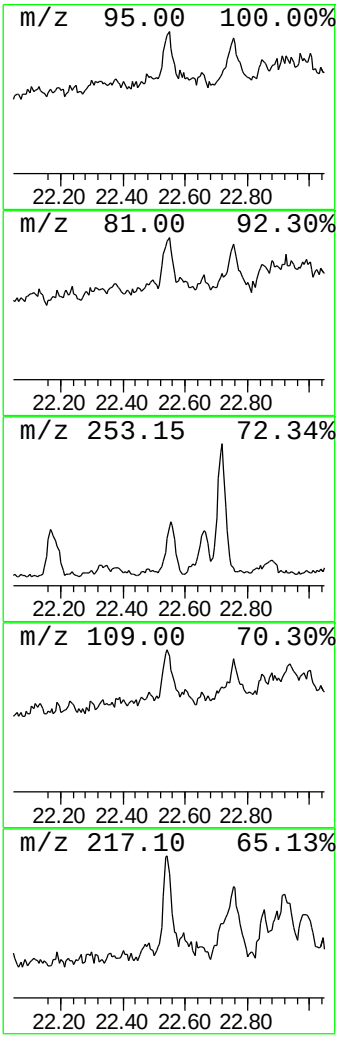
Peak Number 17 unknown-02 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.55	5.29 ng/ul	954047	Chrysene-d12	21.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholestane	372	C27H48	000481-21-0	46
2	Coprostane	372	C27H48	000481-20-9	43
3	Bicyclo[2.2.1]heptane-2,3-dione,...	166	C10H14O2	010334-26-6	25
4	Pentanoic acid, 5-cyclopropylide...	168	C10H16O2	1000159-44-3	25
5	1-Ethyl-5-methylcyclopentene	110	C8H14	097797-57-4	22





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Data File : BG026941.D
Acq On : 10 May 2017 16:56
Operator : SJ/MA
Sample : I2884-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YAB34

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

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

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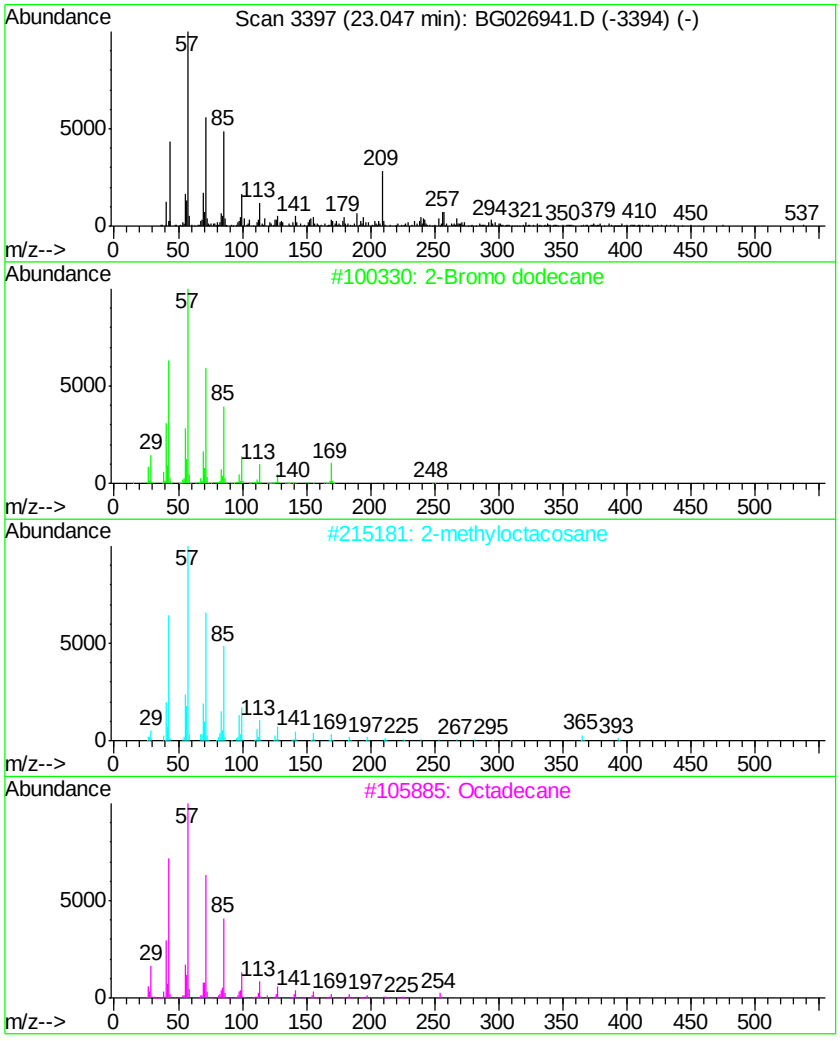
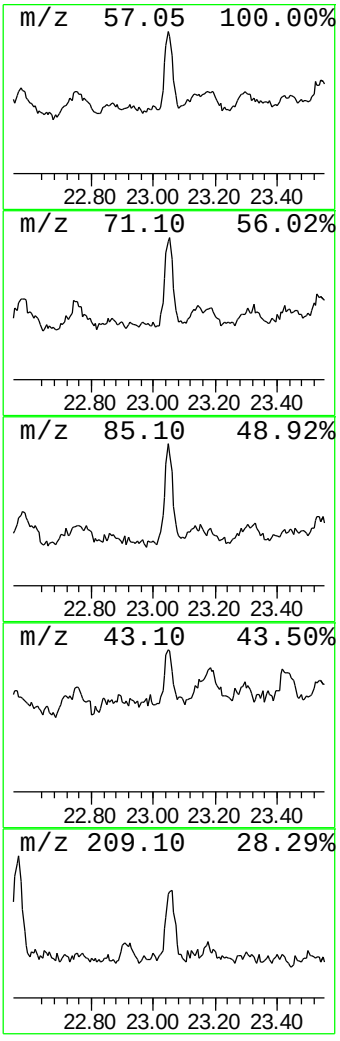
Peak Number 18 2-Bromo dodecane Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.05	2.20 ng/ul	396728	Chrysene-d12	21.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane	248	C12H25Br	013187-99-0	89
2	2-methyloctacosane	408	C29H60	1000376-72-8	64
3	Octadecane	254	C18H38	000593-45-3	64
4	Hexacosane	366	C26H54	000630-01-3	64
5	Hexadecane	226	C16H34	000544-76-3	64





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Sample : I2884-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YAB34

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

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

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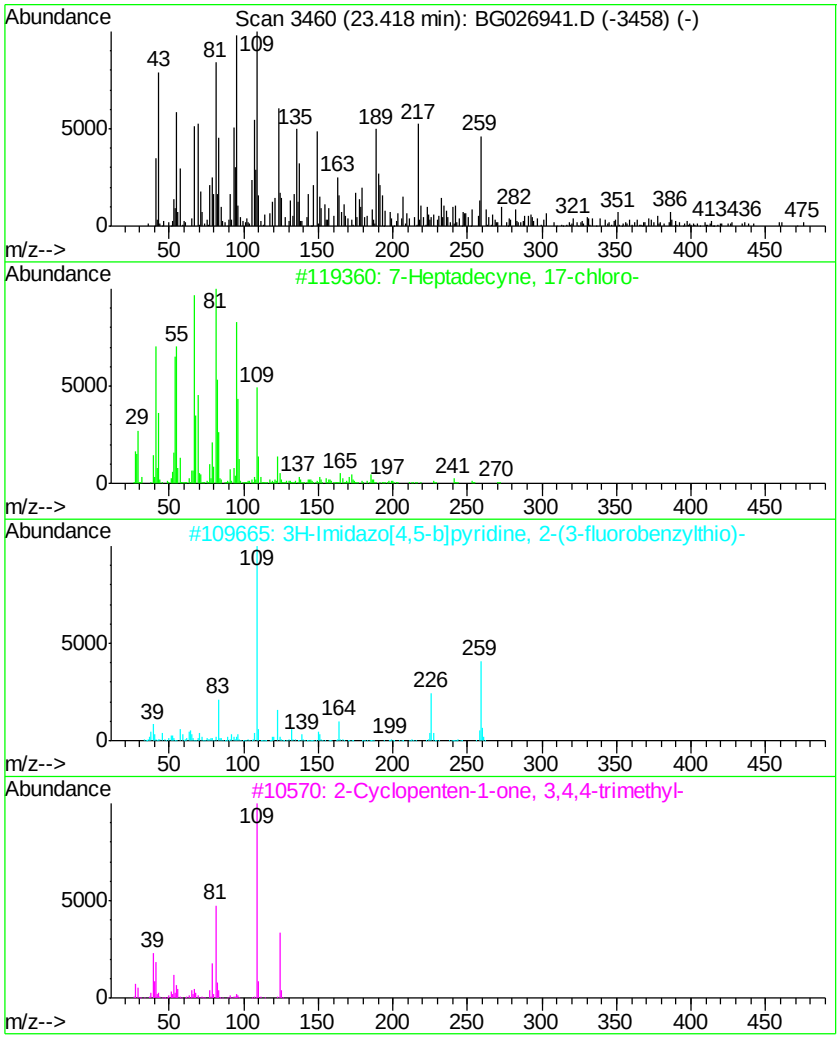
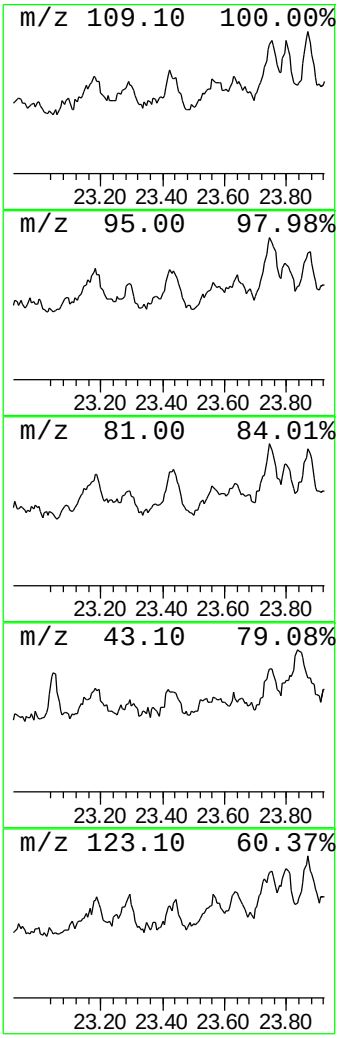
Peak Number 19 unknown-03 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.42	4.03 ng/ul	1161130	Perylene-d12	24.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Heptadecyne, 17-chloro-	270	C17H31Cl	056554-75-7	35
2	3H-Imidazo[4,5-b]pyridine, 2-(3-...	259	C13H10FN3S	1000272-55-3	25
3	2-Cyclopenten-1-one, 3,4,4-trime...	124	C8H12O	030434-65-2	22
4	4-(1,3,3-Trimethyl-bicyclo[4.1.0...	206	C14H22O	077143-31-8	18
5	1,3-Bis(bromomethyl)cyclohexane	268	C8H14Br2	1000216-89-9	14





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Acq On : 10 May 2017 16:56
Operator : SJ/MA
Sample : I2884-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YAB34

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

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

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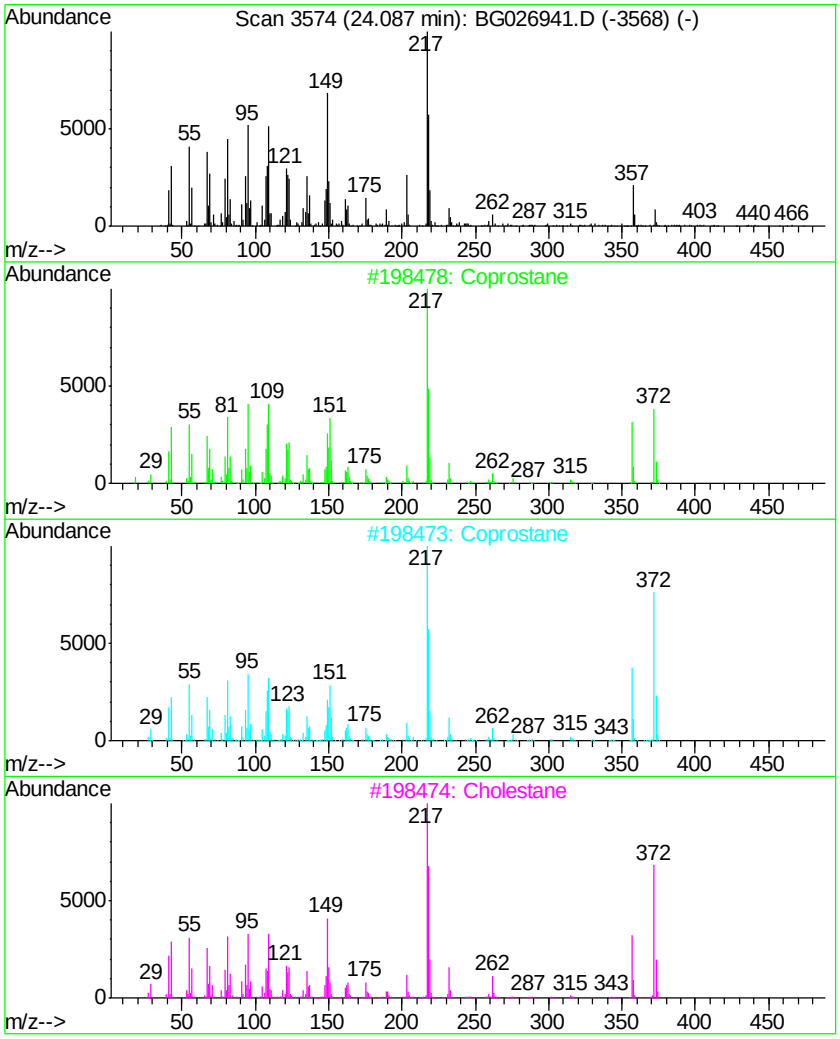
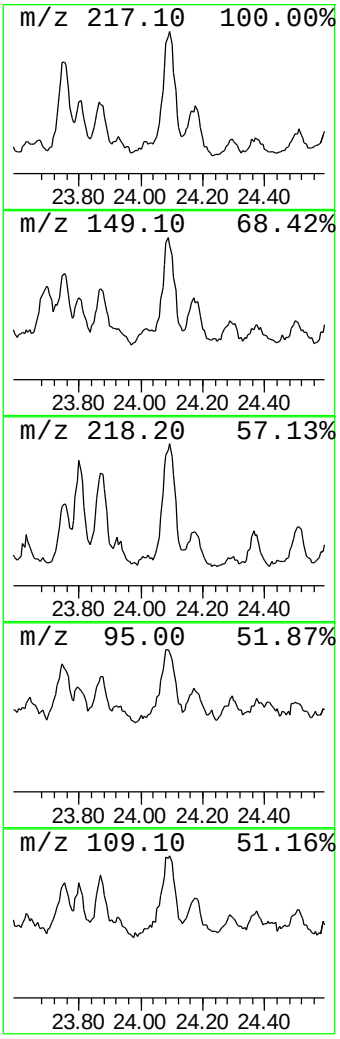
Peak Number 20 Coprostane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.09	10.31 ng/ul	2973860	Perylene-d12	24.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Coprostane	372	C27H48	000481-20-9	64
2	Coprostane	372	C27H48	000481-20-9	64
3	Cholestane	372	C27H48	000481-21-0	47
4	Cholestane	372	C27H48	000481-21-0	43
5	Allyl ionone 4	232	C16H24O	1000284-93-0	42





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Acq On : 10 May 2017 16:56
Operator : SJ/MA
Sample : I2884-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YAB34

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

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

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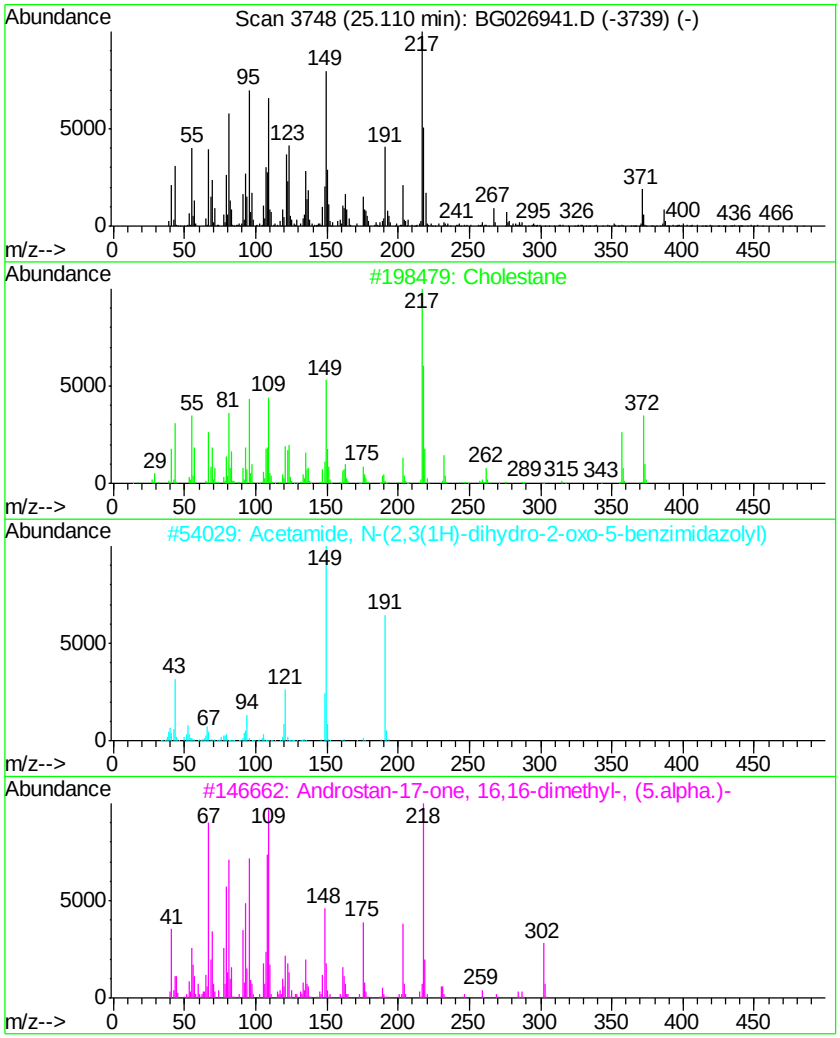
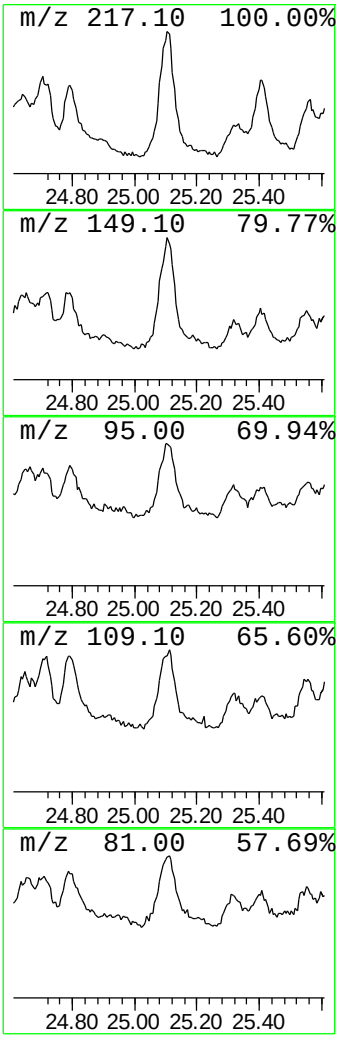
Peak Number 21 Cholestane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.11	15.77 ng/ul	4547940	Perylene-d12	24.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholestane	372	C27H48	000481-21-0	74
2	Acetamide, N-(2,3(1H)-dihydro-2-...	191	C9H9N3O2	091085-68-6	18
3	Androstan-17-one, 16,16-dimethyl...	302	C21H34O	056052-96-1	11
4	6-Methylthieno[2,3-b]pyridine	149	C8H7NS	001759-30-4	11
5	Anthracene, 9-(2-propenyl)-	218	C17H14	023707-65-5	11





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Acq On : 10 May 2017 16:56
Operator : SJ/MA
Sample : I2884-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YAB34

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

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

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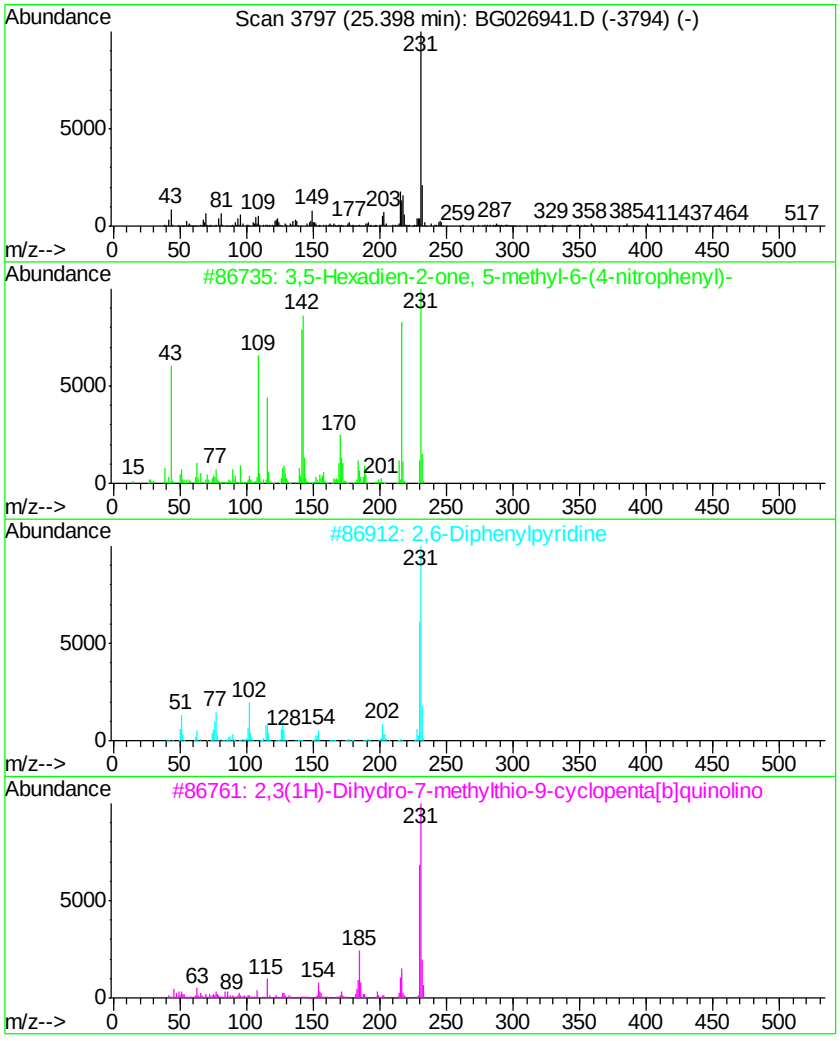
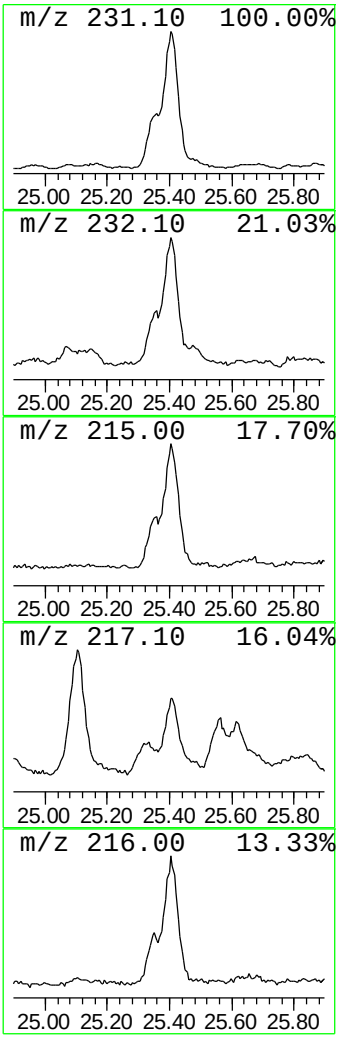
Peak Number 22 3,5-Hexadien-2-one, 5-methy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.40	8.73 ng/ul	2519620	Perylene-d12	24.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Hexadien-2-one, 5-methyl-6-(...	231	C13H13NO3	055191-23-6	72
2	2,6-Diphenylpyridine	231	C17H13N	003558-69-8	52
3	2,3(1H)-Dihydro-7-methylthio-9-c...	231	C13H13NOS	1000257-08-5	50
4	2-Acetamido-8-amino-6-methoxyqui...	231	C12H13N3O2	064992-73-0	50
5	Ethyl 1,2-dihydro-1-methyl-2-oxo...	231	C13H13NO3	027330-23-0	40





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Acq On : 10 May 2017 16:56
Operator : SJ/MA
Sample : I2884-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YAB34

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

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

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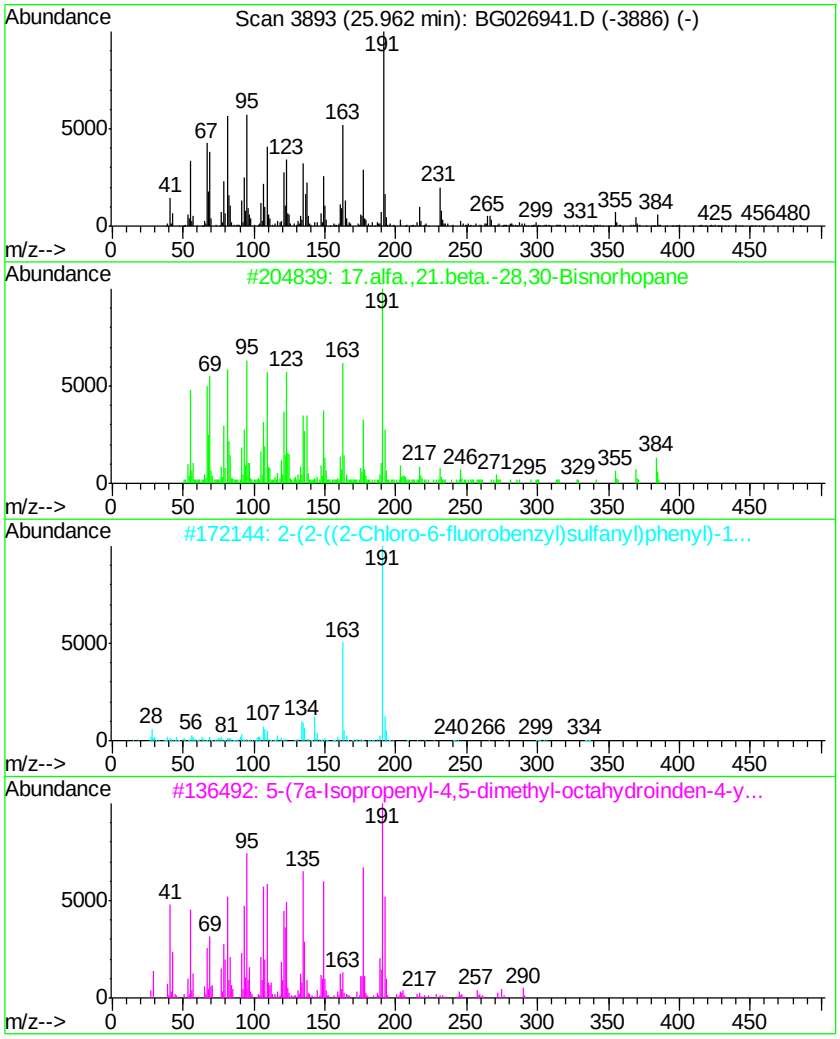
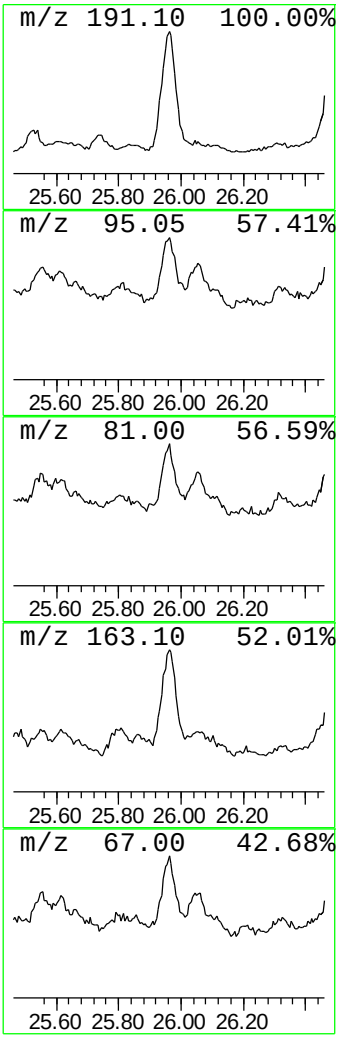
Peak Number 23 unknown-04 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.96	7.63 ng/ul	2199720	Perylene-d12	24.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	17.alfa.,21.beta.-28,30-Bisnorho...	384	C28H48	1000360-26-1	46
2	2-(2-((2-Chloro-6-fluorobenzyl)s...	334	C17H16ClFN2S	1000298-18-2	35
3	5-(7a-Isopropenyl-4,5-dimethyl-o...	290	C20H34O	1000193-54-0	25
4	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	000473-19-8	25
5	Silane, dimethyl(dimethyl(2,6-di...	356	C18H36O3Si2	1000347-91-3	22





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Acq On : 10 May 2017 16:56
Operator : SJ/MA
Sample : I2884-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YAB34

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

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

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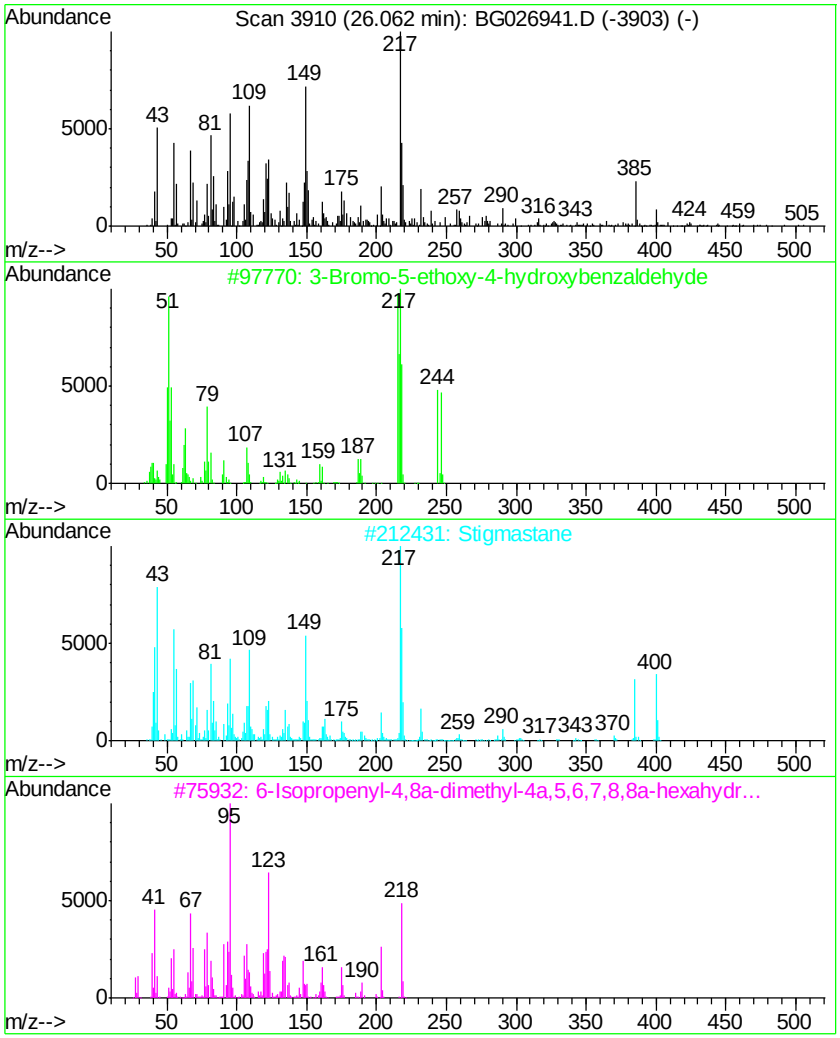
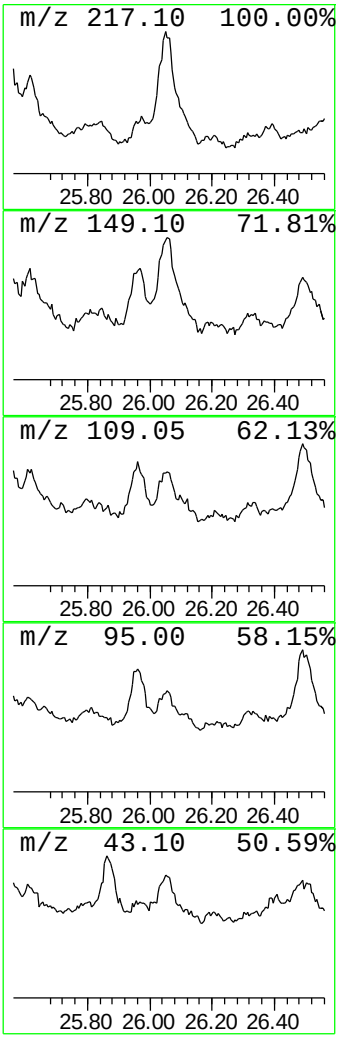
Peak Number 24 3-Bromo-5-ethoxy-4-hydroxyb... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.06	13.71 ng/ul	3954310	Perylene-d12	24.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Bromo-5-ethoxy-4-hydroxybenzal...	244	C9H9BrO3	003111-37-3	68
2	Stigmastane	400	C29H52	000601-58-1	52
3	6-Isopropenyl-4,8a-dimethyl-4a,5...	218	C15H22O	086917-79-5	30
4	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	22
5	2-Pyrimidinamine, 5-bromo-4-meth...	217	C6H8BrN3O	007749-55-5	12





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Acq On : 10 May 2017 16:56
Operator : SJ/MA
Sample : I2884-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YAB34

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

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

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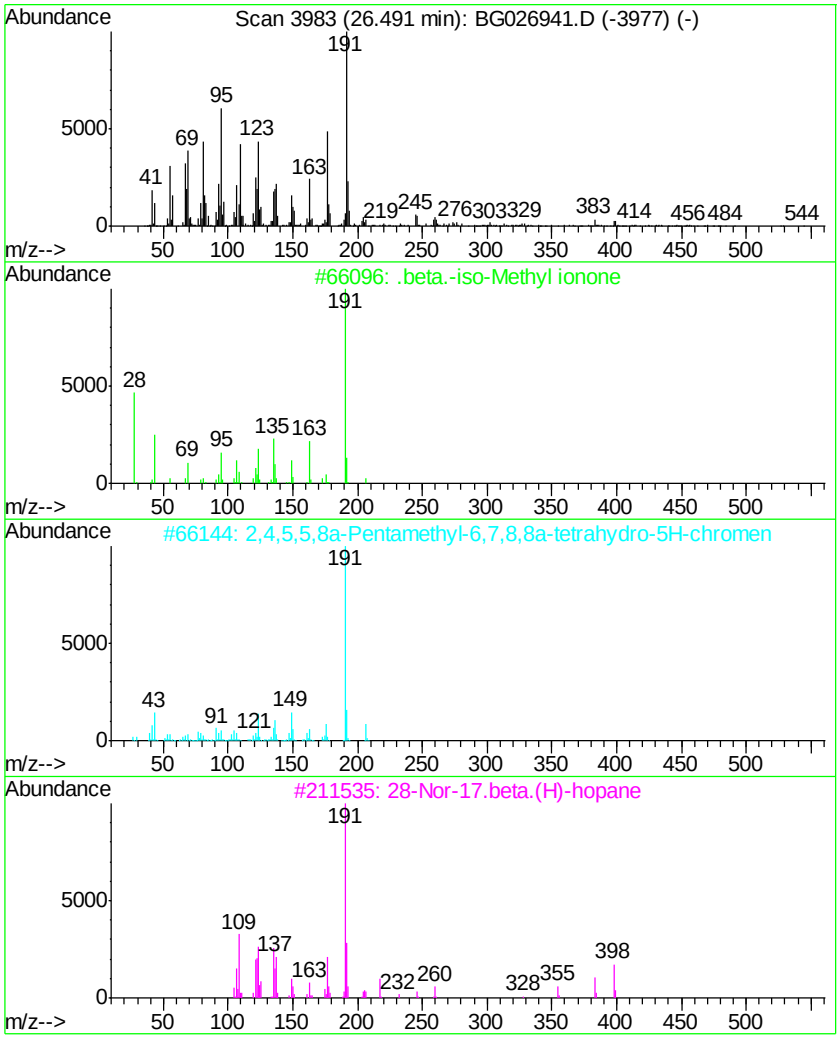
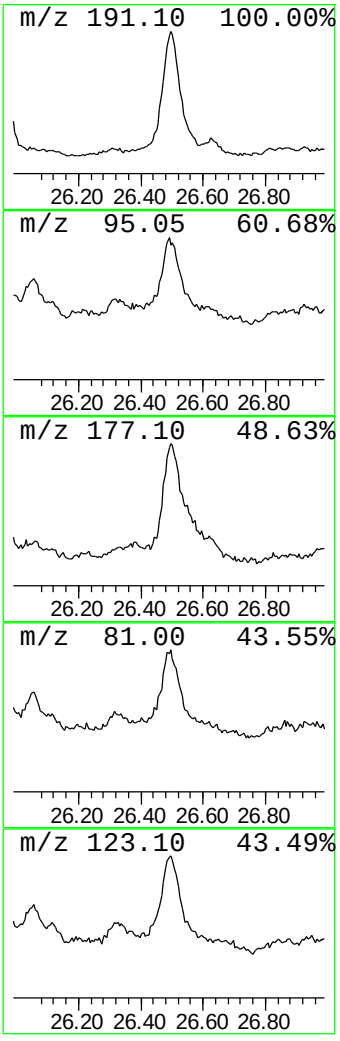
Peak Number 25 .beta.-iso-Methyl ionone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.49	18.75 ng/ul	5407640	Perylene-d12	24.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	52
2	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	43
3	28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	41
4	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	38
5	2H-1,2,3-Triazole-4-carboxaldehy...	191	C9H6FN3O	051306-43-5	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051017\
Data File : BG026941.D
Acq On : 10 May 2017 16:56
Operator : SJ/MA
Sample : I2884-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YAB34

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

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

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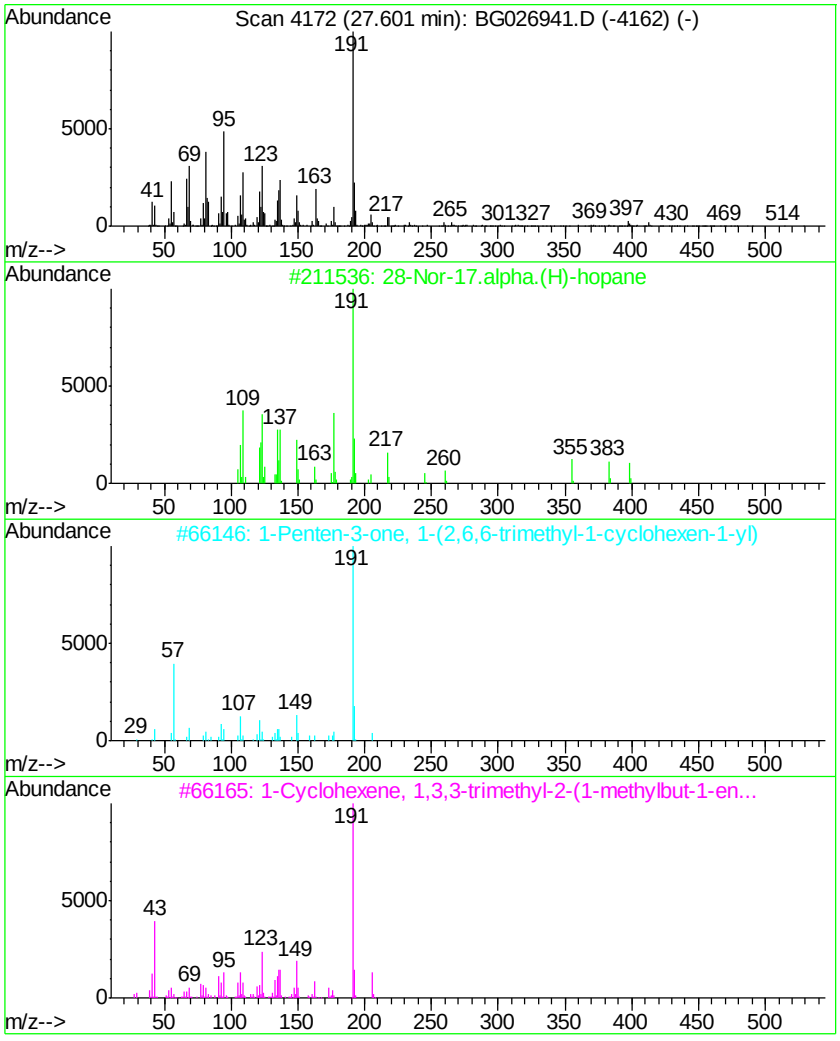
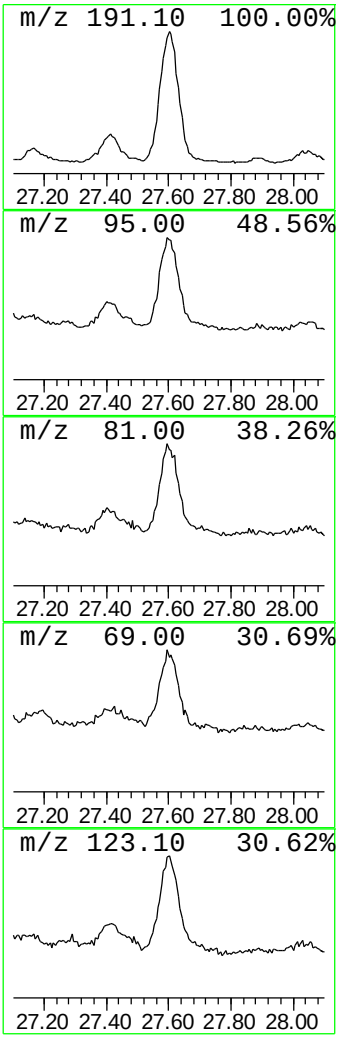
Peak Number 26 28-Nor-17.alpha.(H)-hopane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.60	20.44 ng/ul	5895250	Perylene-d12	24.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	50
2	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	43
3	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	38
4	(3-Cyano-6-ethyl-5-methyl-pyridi...	264	C13H16N2O2S	1000300-45-4	35
5	5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051017\
Data File : BG026941.D
Acq On : 10 May 2017 16:56
Operator : SJ/MA
Sample : I2884-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : YAB34

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.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
9H-Fluoren-9-one	17.01	2.9	ng/ul	298160	4	17.35	2085240	20.0
Dibenzothiophene	17.17	3.6	ng/ul	374073	4	17.35	2085240	20.0
n-Hexadecanoic acid	18.24	7.0	ng/ul	729327	4	17.35	2085240	20.0
Phenanthrene, 2-m...	18.28	4.6	ng/ul	480318	4	17.35	2085240	20.0
4H-Cyclopenta[def...	18.42	4.9	ng/ul	507801	4	17.35	2085240	20.0
1,2,4,8-Tetrameth...	18.72	2.4	ng/ul	252812	4	17.35	2085240	20.0
9,10-Anthracenedione	18.76	2.5	ng/ul	263932	4	17.35	2085240	20.0
di-p-Tolylacetylene	18.96	2.4	ng/ul	248853	4	17.35	2085240	20.0
3-Methyl-1-phenyl...	19.15	4.7	ng/ul	489940	4	17.35	2085240	20.0
Cyclopenta(def)ph...	19.28	3.5	ng/ul	365382	4	17.35	2085240	20.0
unknown-01	20.24	3.8	ng/ul	677618	5	21.60	3603850	20.0
(DEL) Alkane: Str...	20.74	2.1	ng/ul	377568	5	21.60	3603850	20.0
11H-Benzo[a]fluor...	21.01	2.0	ng/ul	369070	5	21.60	3603850	20.0
Decane, 1-iodo-	21.24	2.0	ng/ul	361459	5	21.60	3603850	20.0
Dodecane, 1-iodo-	21.77	2.8	ng/ul	498000	5	21.60	3603850	20.0
(DEL) Alkane: Str...	22.38	4.0	ng/ul	715109	5	21.60	3603850	20.0
unknown-02	22.55	5.3	ng/ul	954047	5	21.60	3603850	20.0
2-Bromo dodecane	23.05	2.2	ng/ul	396728	5	21.60	3603850	20.0
unknown-03	23.42	4.0	ng/ul	1161130	6	24.79	5769390	20.0
Coprostane	24.09	10.3	ng/ul	2973860	6	24.79	5769390	20.0
Cholestane	25.11	15.8	ng/ul	4547940	6	24.79	5769390	20.0
3,5-Hexadien-2-on...	25.40	8.7	ng/ul	2519620	6	24.79	5769390	20.0
unknown-04	25.96	7.6	ng/ul	2199720	6	24.79	5769390	20.0
3-Bromo-5-ethoxy-...	26.06	13.7	ng/ul	3954310	6	24.79	5769390	20.0
.beta.-iso-Methyl...	26.49	18.8	ng/ul	5407640	6	24.79	5769390	20.0
28-Nor-17.alpha.(...	27.60	20.4	ng/ul	5895250	6	24.79	5769390	20.0