LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG101517\
Data File : BG029265.D
Acq On : 15 Oct 2017 18:54
Operator : SJ/JU
Sample : I5548-06DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AB7DL

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-BG101417.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	7.320	678	686	701	rVB	109356	213445	3.73%	0.369%
2	7.491	708	715	725	rBV	89250	152541	2.67%	0.264%
3	7.702	744	751	761	rBV	107893	186866	3.27%	0.323%
4	8.172	819	831	844	rVB	400470	697865	12.19%	1.206%
5	8.871	941	950	959	rVV	132913	235511	4.12%	0.407%
6	9.336	1022	1029	1038	rVB	103394	190442	3.33%	0.329%
7	10.064	1145	1153	1160	rVB	81344	149626	2.61%	0.259%
8	10.605	1235	1245	1255	rBV	138958	254095	4.44%	0.439%
9	10.992	1298	1311	1317	rBV	580790	1067836	18.66%	1.845%
10	11.039	1317	1319	1326	rVV	39888	59618	1.04%	0.103%
11	11.122	1326	1333	1345	rVB2	74868	148656	2.60%	0.257%
12	12.638	1583	1591	1603	rVB2	38626	70336	1.23%	0.122%
13	12.849	1618	1627	1638	rVB	33705	59738	1.04%	0.103%
14	13.977	1805	1819	1826	rVB6	17165	49304	0.86%	0.085%
15	14.118	1834	1843	1848	rBV3	32031	62240	1.09%	0.108%
16	14.189	1848	1855	1859	rVV	248527	385474	6.74%	0.666%
17	14.236	1859	1863	1870	rVB	99220	142348	2.49%	0.246%
18	14.488	1899	1906	1916	rVB	287111	467075	8.16%	0.807%
19	14.794	1942	1958	1964	rVV2	894702	1444873	25.25%	2.497%
20	14.858	1964	1969	1975	rVV	258262	409279	7.15%	0.707%
21	14.970	1983	1988	1999	rVB3	91485	161173	2.82%	0.279%
22	15.188	2019	2025	2033	rVV	197341	310429	5.42%	0.536%
23	15.775	2117	2125	2130	rVV	348308	546620	9.55%	0.945%
24	15.834	2130	2135	2140	rVV	333597	505506	8.83%	0.874%
25	15.887	2140	2144	2149	rVV2	55818	94001	1.64%	0.162%
26	15.998	2159	2163	2168	rVV3	47150	82126	1.44%	0.142%
27	16.081	2173	2177	2181	rVV2	31009	51680	0.90%	0.089%
28	16.122	2181	2184	2191	rVB	74437	115682	2.02%	0.200%
29	16.274	2203	2210	2217	rVV2	80451	181952	3.18%	0.314%
30	16.504	2240	2249	2258	rVB9	32569	71864	1.26%	0.124%
31	16.833	2292	2305	2310	rBV4	57291	150018	2.62%	0.259%
32	17.062	2335	2344	2347	rBV4	34154	74817	1.31%	0.129%
33	17.103	2347	2351	2358	rVV4	36345	67209	1.17%	0.116%
34	17.179	2358	2364	2371	rVB	161980	250896	4.38%	0.434%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG101517\
Data File : BG029265.D
Acq On : 15 Oct 2017 18:54
Operator : SJ/JU
Sample : I5548-06DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AB7DL

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-BG101417.M
Title : SVOA CALIBRATION

35	17.262	2373	2378	2386	rBV5	37033	107078	1.87%	0.185%
36	17.350	2386	2393	2401	rVV	184447	293482	5.13%	0.507%
37	17.532	2417	2424	2427	rVV2	1023603	1603283	28.02%	2.771%
38	17.573	2427	2431	2437	rVV	3169825	4887936	85.41%	8.447%
39	17.626	2437	2440	2443	rVV	385930	599266	10.47%	1.036%
40	17.661	2443	2446	2452	rVV	536223	806333	14.09%	1.394%
41	17.720	2452	2456	2465	rVB2	36384	72598	1.27%	0.125%
42	17.925	2481	2491	2501	rBV2	314814	569359	9.95%	0.984%
43	18.043	2508	2511	2517	rVB3	39045	55113	0.96%	0.095%
44	18.108	2518	2522	2530	rVB3	40279	59852	1.05%	0.103%
45	18.401	2564	2572	2576	rBV	300118	452571	7.91%	0.782%
46	18.448	2576	2580	2588	rVB	363195	539002	9.42%	0.932%
47	18.531	2588	2594	2598	rBV	89586	136987	2.39%	0.237%
48	18.601	2598	2606	2616	rBV3	423157	946828	16.55%	1.636%
49	18.695	2618	2622	2626	rBV3	28920	46623	0.81%	0.081%
50	18.742	2626	2630	2633	rVV2	34191	47933	0.84%	0.083%
51	18.895	2650	2656	2659	rBV	219803	331751	5.80%	0.573%
52	18.936	2659	2663	2669	rVB	409736	573156	10.02%	0.991%
53	19.136	2692	2697	2701	rBV3	59046	77730	1.36%	0.134%
54	19.189	2701	2706	2709	rVV	47342	70792	1.24%	0.122%
55	19.224	2709	2712	2717	rVB3	40556	52768	0.92%	0.091%
56	19.306	2721	2726	2731	rBV2	99138	187957	3.28%	0.325%
57	19.371	2732	2737	2740	rBV5	35721	58834	1.03%	0.102%
58	19.447	2745	2750	2756	rBV	144707	269617	4.71%	0.466%
59	19.571	2758	2771	2777	rBV	3740315	5722584	100.00%	9.890%
60	19.665	2777	2787	2799	rVV6	265906	1214704	21.23%	2.099%
61	19.759	2799	2803	2807	rVB4	69716	114594	2.00%	0.198%
62	19.811	2808	2812	2821	rVB	119246	223626	3.91%	0.386%
63	19.929	2821	2832	2839	rBV2	2826651	5525472	96.56%	9.549%
64	19.994	2839	2843	2850	rVB2	124732	209357	3.66%	0.362%
65	20.105	2855	2862	2867	rBV	179188	284350	4.97%	0.491%
66	20.164	2867	2872	2878	rVB2	103247	169908	2.97%	0.294%
67	20.252	2880	2887	2892	rBV3	134036	355181	6.21%	0.614%
68	20.299	2892	2895	2900	rVB2	57021	76682	1.34%	0.133%
69	20.417	2902	2915	2921	rBV	345156	700260	12.24%	1.210%
70	20.517	2926	2932	2935	rBV	235395	376976	6.59%	0.651%
71	20.575	2935	2942	2945	rVV3	237288	470662	8.22%	0.813%

LSC Area Percent Report

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Data File : BG029265.D
Acq On : 15 Oct 2017 18:54
Operator : SJ/JU
Sample : I5548-06DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AB7DL

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-BG101417.M
Title : SVOA CALIBRATION

72	20.611	2945	2948	2951	rVB	86613	144562	2.53%	0.250%
73	20.710	2962	2965	2969	rVB	75878	83038	1.45%	0.144%
74	20.757	2970	2973	2983	rVB2	120443	207341	3.62%	0.358%
75	21.180	3040	3045	3051	rBV	228125	343911	6.01%	0.594%
76	21.369	3070	3077	3081	rBV2	205476	457404	7.99%	0.790%
77	21.421	3082	3086	3090	rVV2	253871	489011	8.55%	0.845%
78	21.468	3090	3094	3099	rVV2	281036	556340	9.72%	0.961%
79	21.521	3099	3103	3117	rVB2	296713	536243	9.37%	0.927%
80	21.668	3123	3128	3135	rVB3	66407	156477	2.73%	0.270%
81	21.792	3137	3149	3156	rBV3	1486225	4146465	72.46%	7.166%
82	21.850	3156	3159	3172	rVB	1036744	1778763	31.08%	3.074%
83	22.009	3180	3186	3192	rBV	175714	312051	5.45%	0.539%
84	22.074	3194	3197	3203	rBV6	37949	58336	1.02%	0.101%
85	22.220	3216	3222	3228	rBV2	131635	258962	4.53%	0.448%
86	22.555	3272	3279	3284	rVB3	108154	229693	4.01%	0.397%
87	22.626	3286	3291	3302	rVB6	131614	307940	5.38%	0.532%
88	22.837	3322	3327	3331	rBV2	60283	110985	1.94%	0.192%
89	23.237	3390	3395	3403	rBV6	41980	93942	1.64%	0.162%
90	24.071	3527	3537	3545	rBV	658291	2310032	40.37%	3.992%
91	24.330	3576	3581	3592	rVB2	106225	260447	4.55%	0.450%
92	24.817	3655	3664	3671	rBV	301874	830915	14.52%	1.436%
93	24.894	3672	3677	3682	rVV2	168301	434391	7.59%	0.751%
94	24.964	3682	3689	3704	rVB	511718	1474626	25.77%	2.548%
95	25.123	3705	3716	3726	rBV	542283	1937410	33.86%	3.348%
96	26.333	3913	3922	3934	rVB3	233973	702639	12.28%	1.214%
97	27.743	4154	4162	4175	rVB5	96537	361879	6.32%	0.625%
98	28.918	4351	4362	4387	rVB3	181673	1015064	17.74%	1.754%
99	29.447	4440	4452	4464	rBV7	89063	390565	6.82%	0.675%
100	30.099	4552	4563	4581	rVB3	104326	471489	8.24%	0.815%

Sum of corrected areas: 57863267

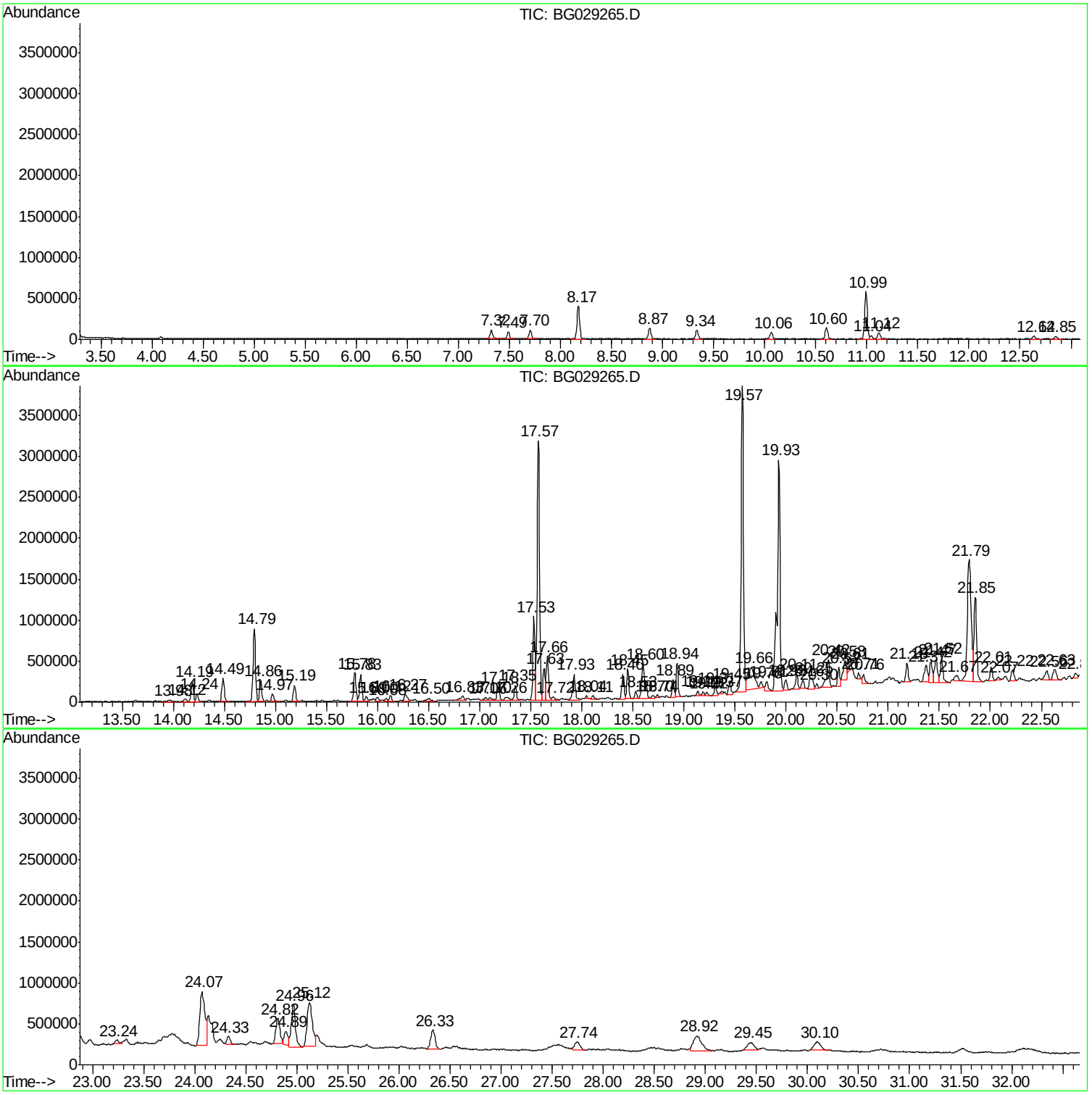
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG101517\
Data File : BG029265.D
Acq On : 15 Oct 2017 18:54
Operator : SJ/JU
Sample : I5548-06DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AB7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG101517\
Data File : BG029265.D
Acq On : 15 Oct 2017 18:54
Operator : SJ/JU
Sample : I5548-06DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AB7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

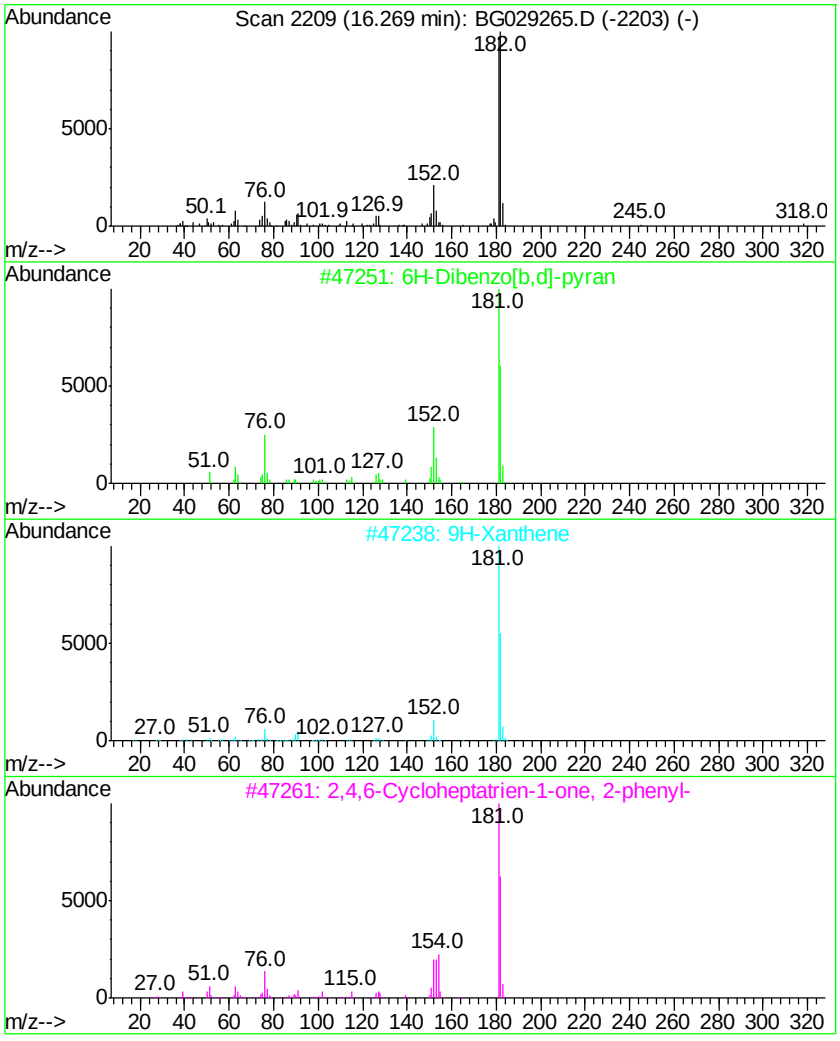
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

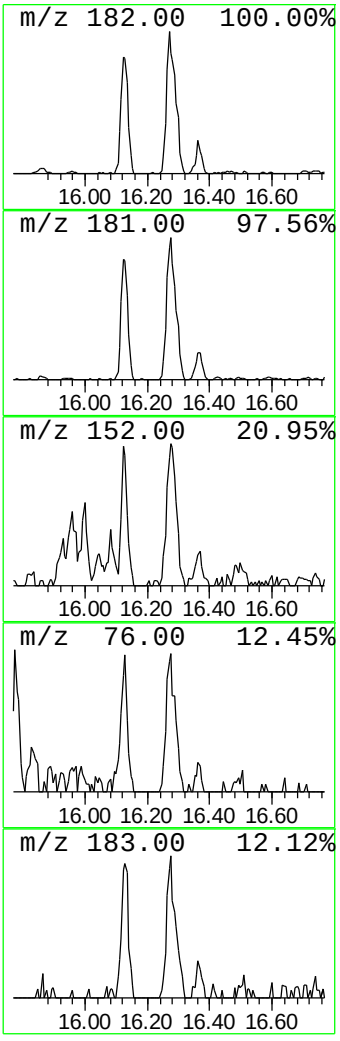
****

Peak Number 1 6H-Dibenzo[b,d]-pyran Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.27	2.27 ng/ul	181952	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
2	9H-Xanthene	182	C13H10O	000092-83-1	91
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	91
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	83
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG101517\
Data File : BG029265.D
Acq On : 15 Oct 2017 18:54
Operator : SJ/JU
Sample : I5548-06DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AB7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

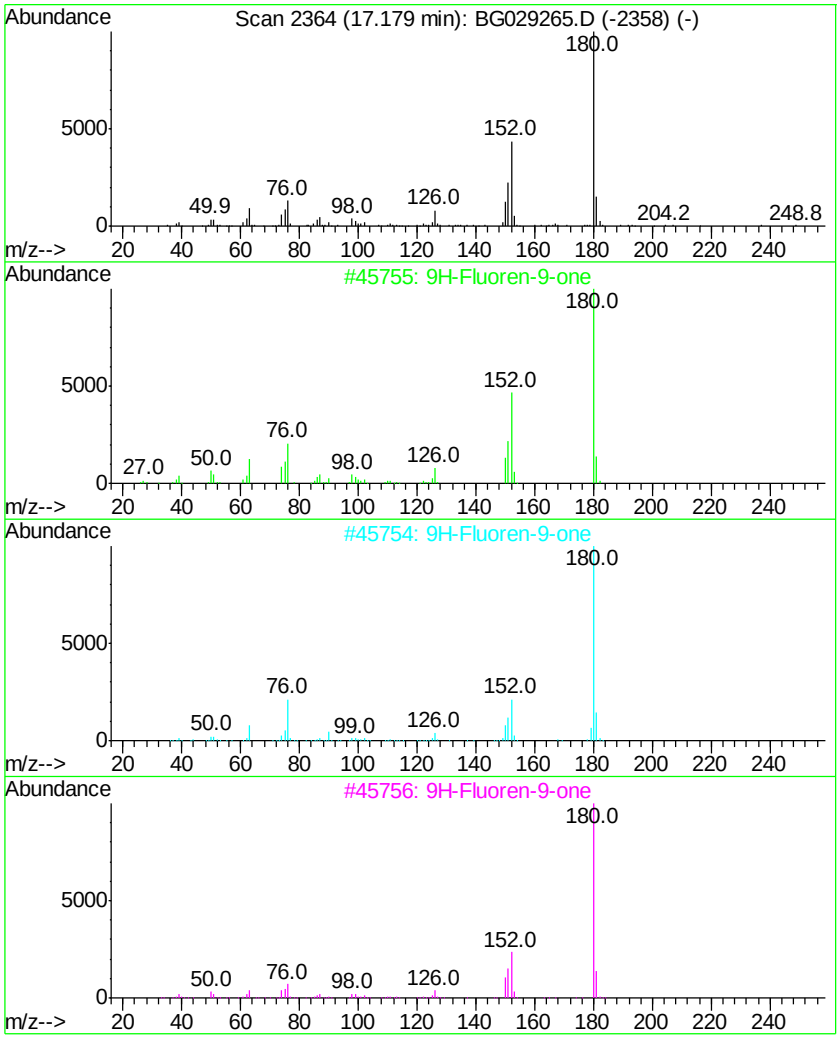
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

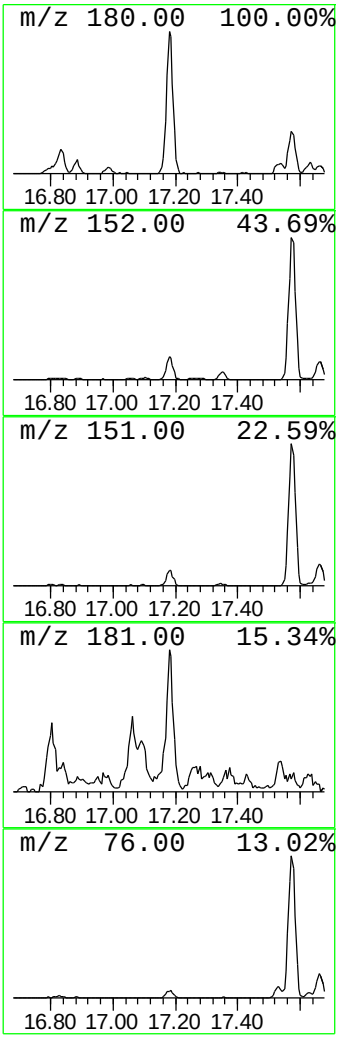
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.18	3.13 ng/ul	250896	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG101517\
Data File : BG029265.D
Acq On : 15 Oct 2017 18:54
Operator : SJ/JU
Sample : I5548-06DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AB7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

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

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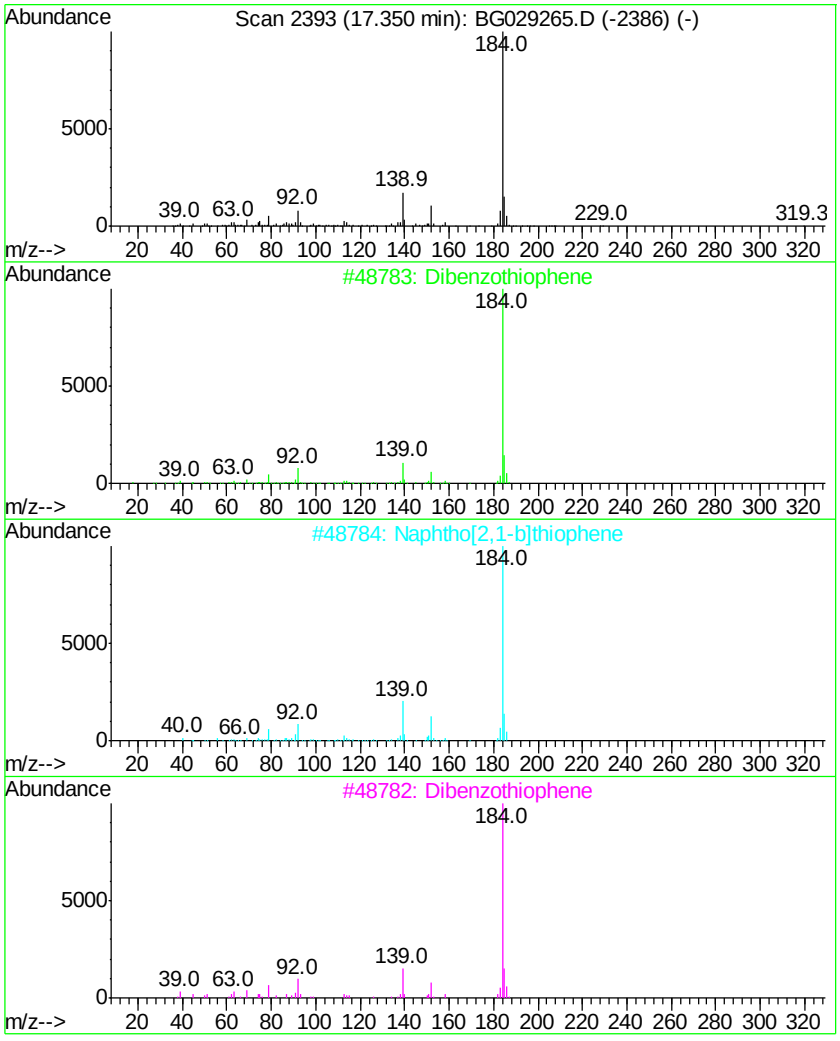
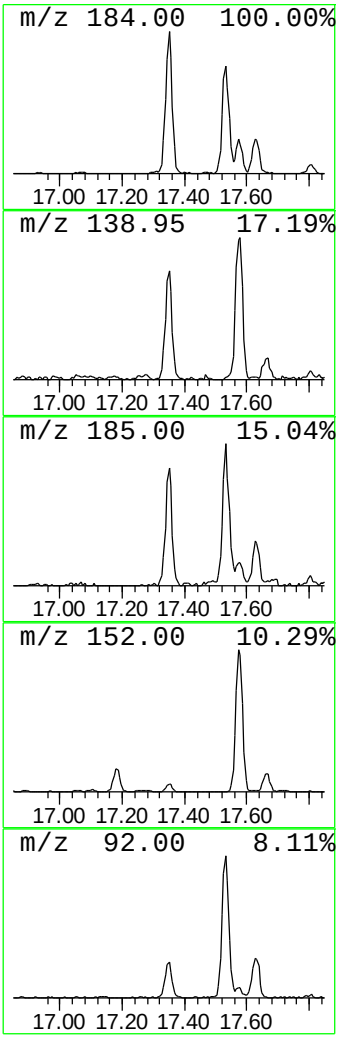
Peak Number 3 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.35	3.66 ng/ul	293482	Phenanthrene-d10	17.53

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





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG101517\
Data File : BG029265.D
Acq On : 15 Oct 2017 18:54
Operator : SJ/JU
Sample : I5548-06DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AB7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

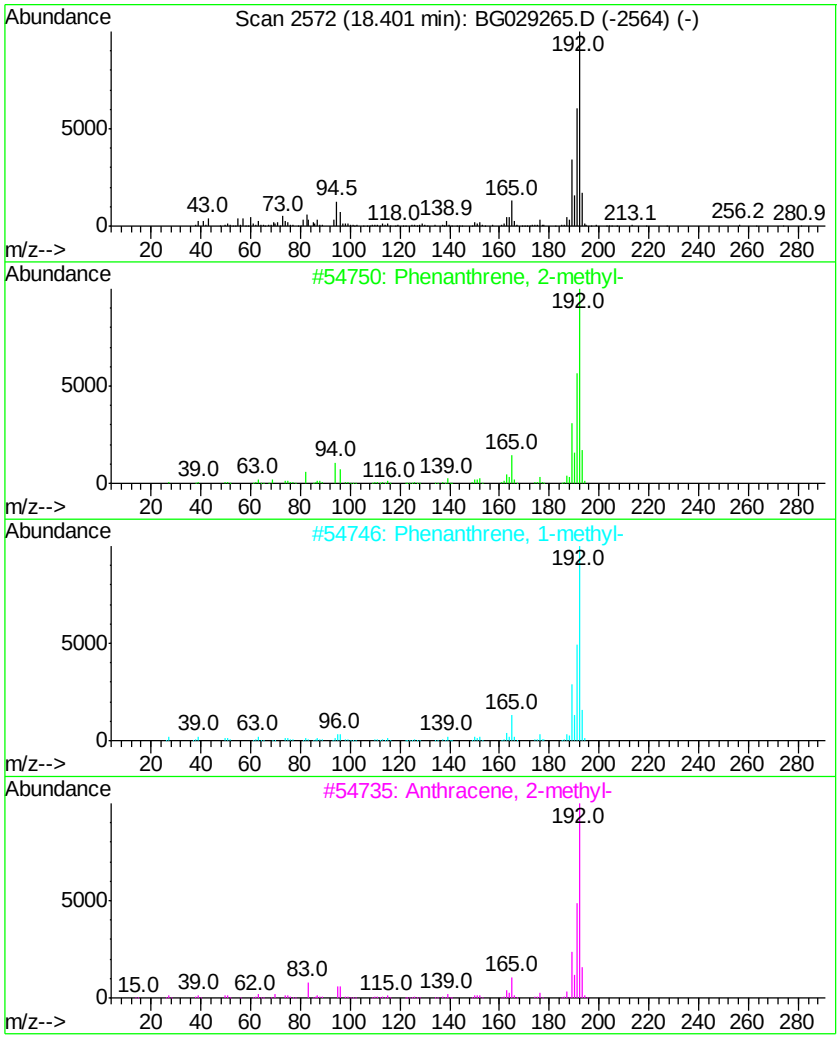
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

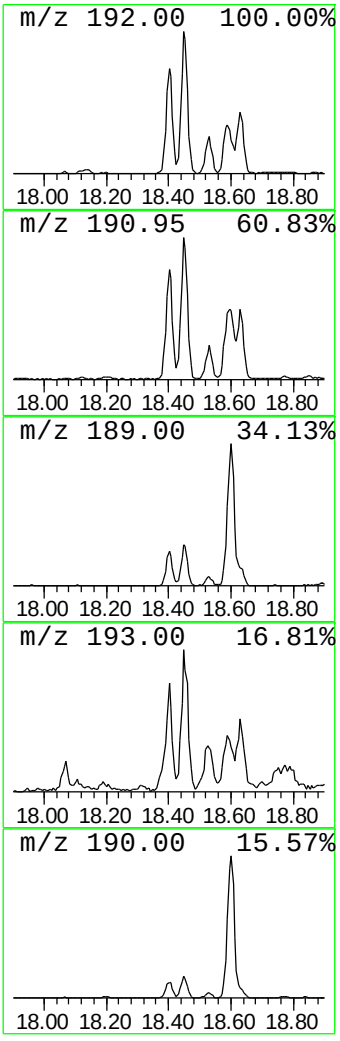
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	5.65 ng/ul	452571	Phenanthrene-d10	17.53

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	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG101517\
Data File : BG029265.D
Acq On : 15 Oct 2017 18:54
Operator : SJ/JU
Sample : I5548-06DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AB7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

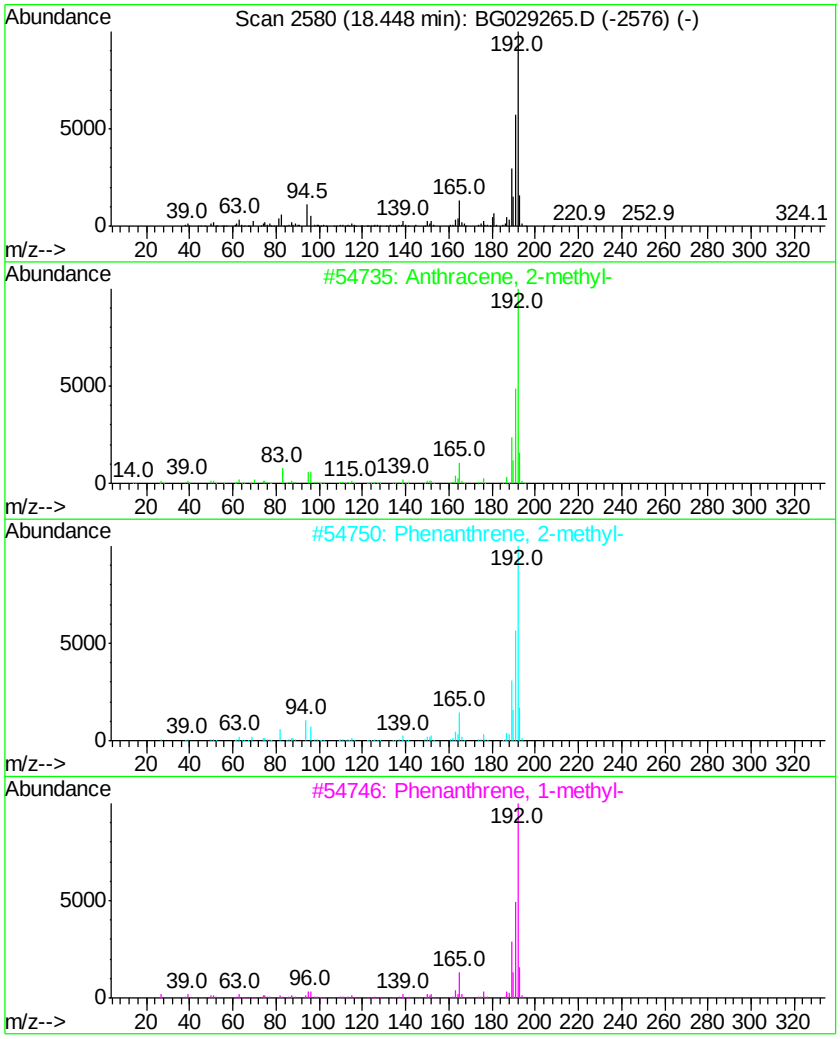
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

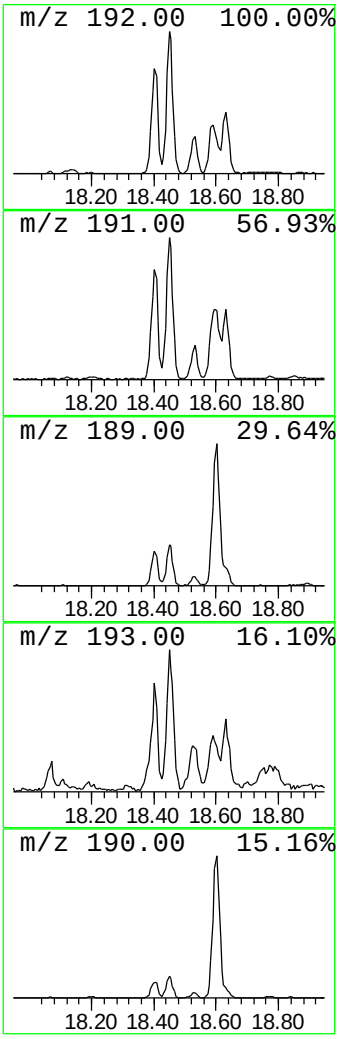
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	6.72 ng/ul	539002	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





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Operator : SJ/JU
Sample : I5548-06DL 5X
Misc :
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Instrument : BNA_G
ClientSampleId : C0AB7DL

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Quant Title : SVOA CALIBRATION

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

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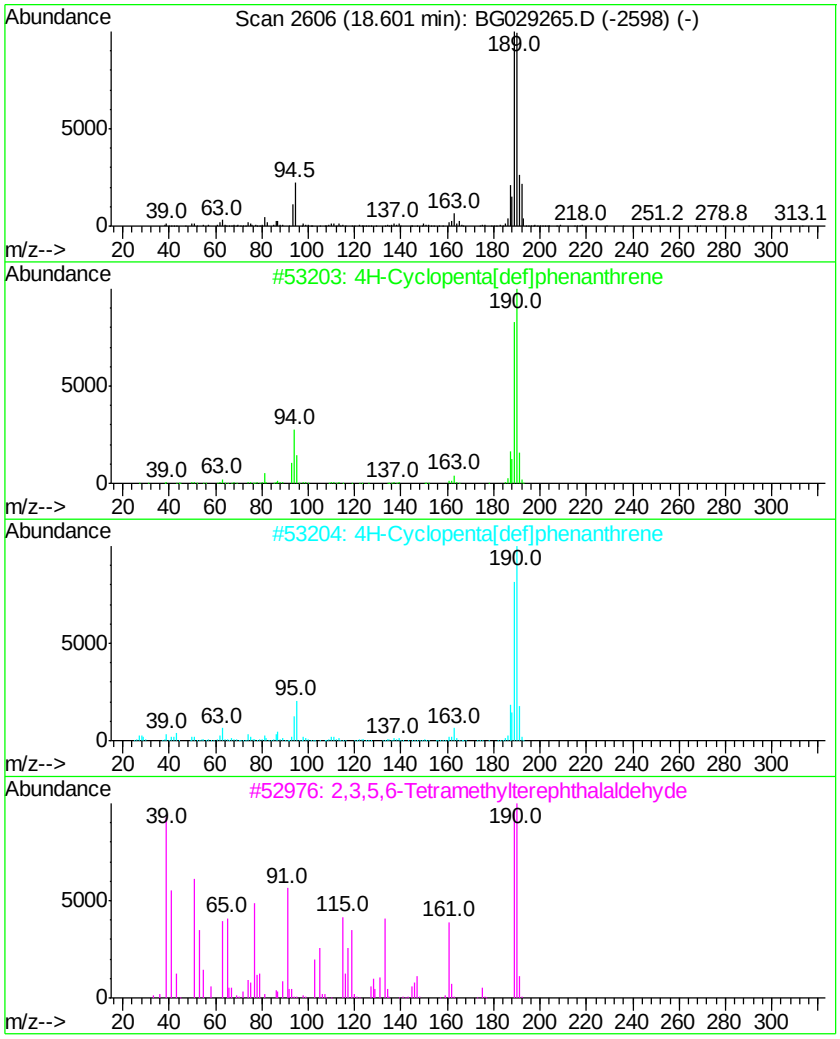
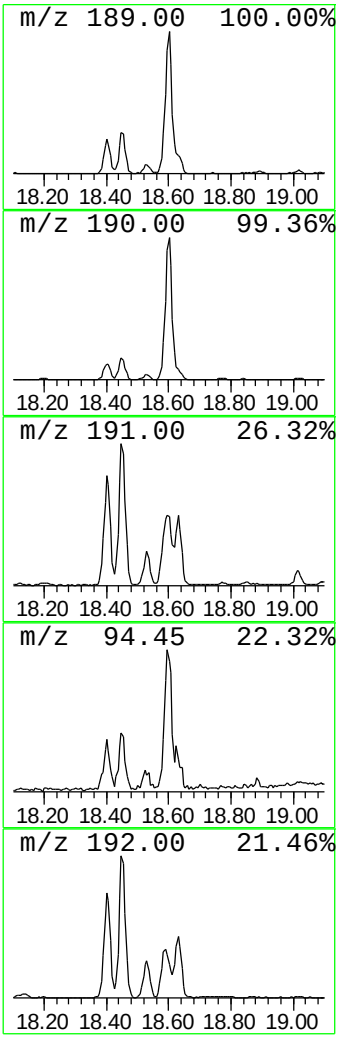
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	11.81 ng/ul	946828	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45





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Sample : I5548-06DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AB7DL

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Quant Title : SVOA CALIBRATION

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

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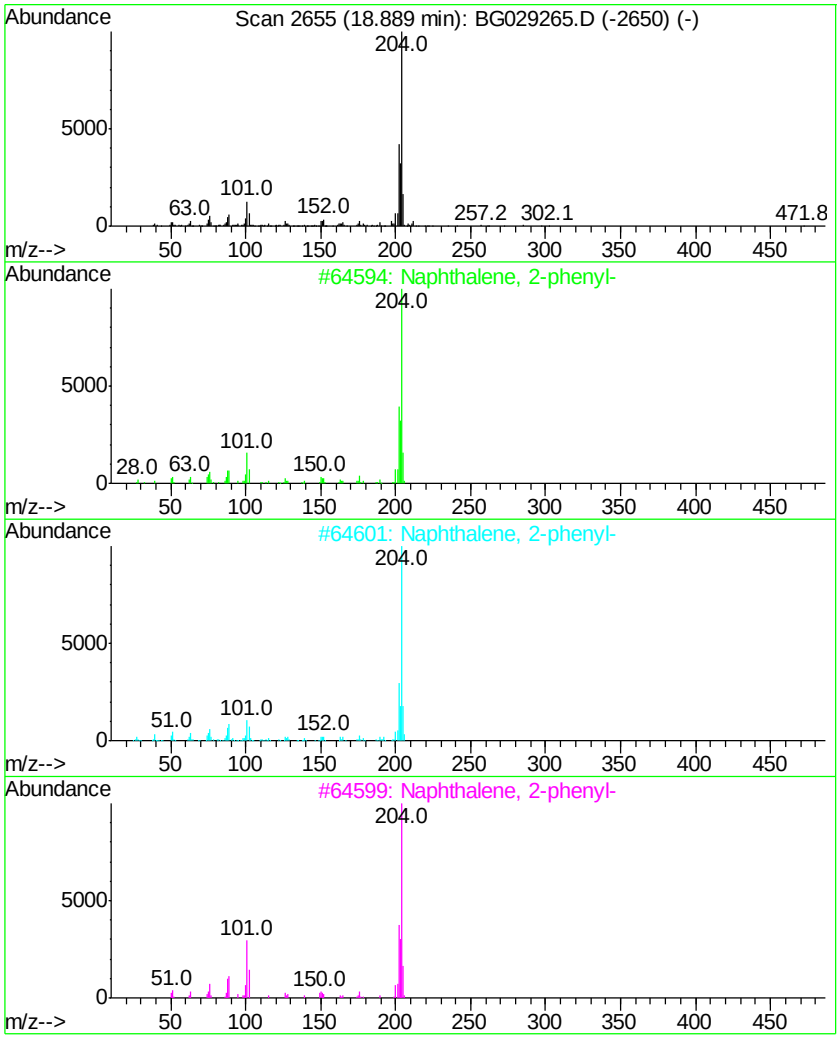
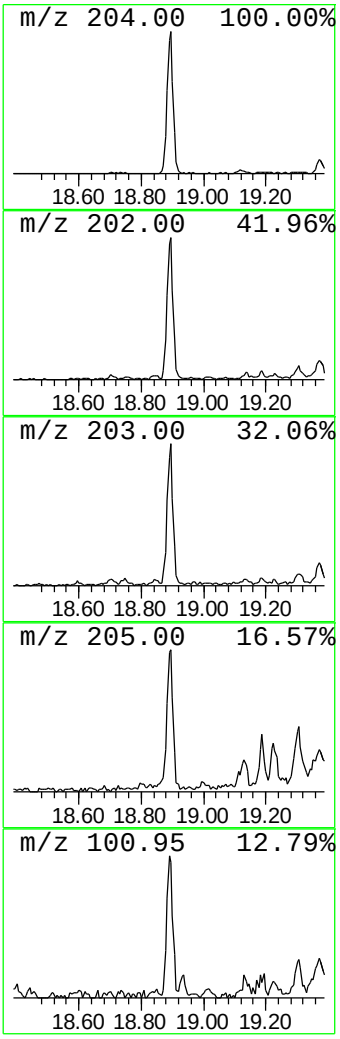
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	4.14 ng/ul	331751	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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Quant Title : SVOA CALIBRATION

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

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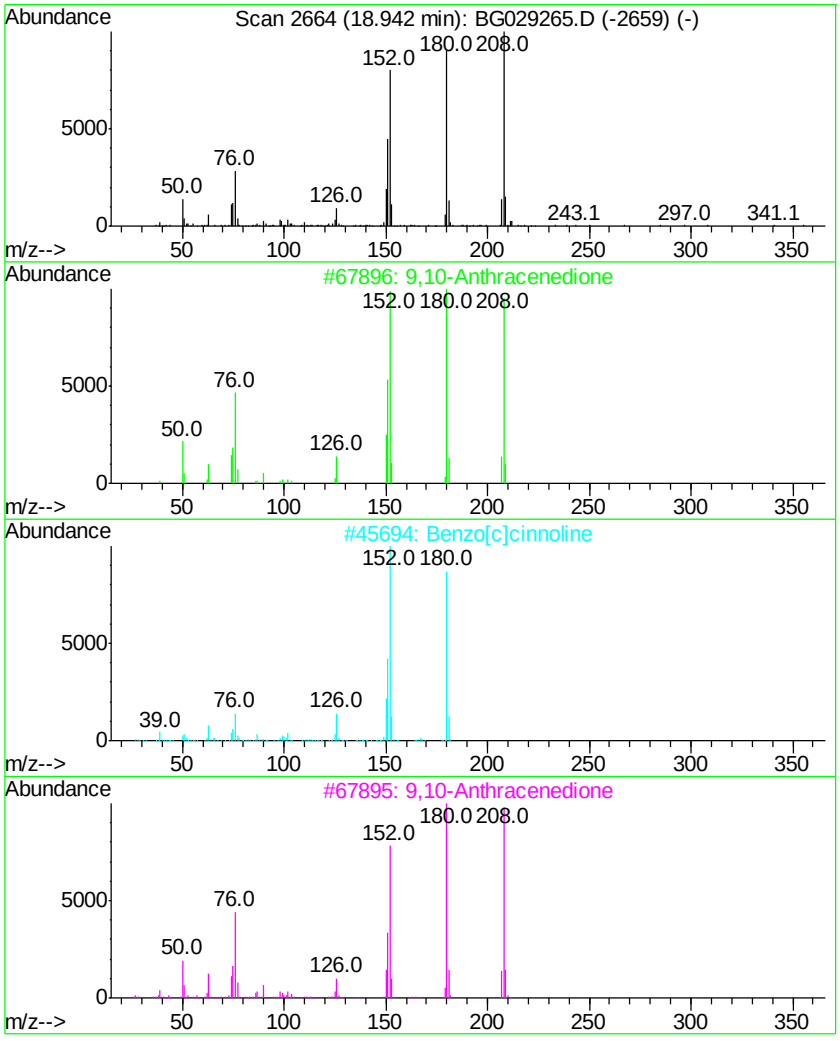
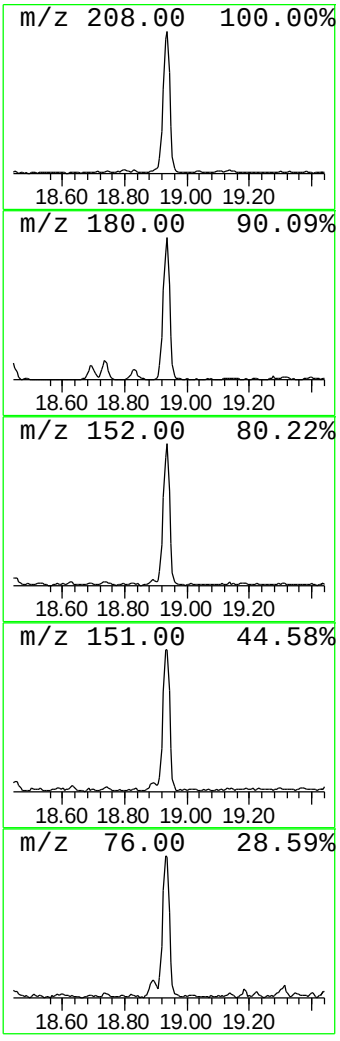
Peak Number 8 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	7.15 ng/ul	573156	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70





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ClientSampleId : C0AB7DL

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Quant Title : SVOA CALIBRATION

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

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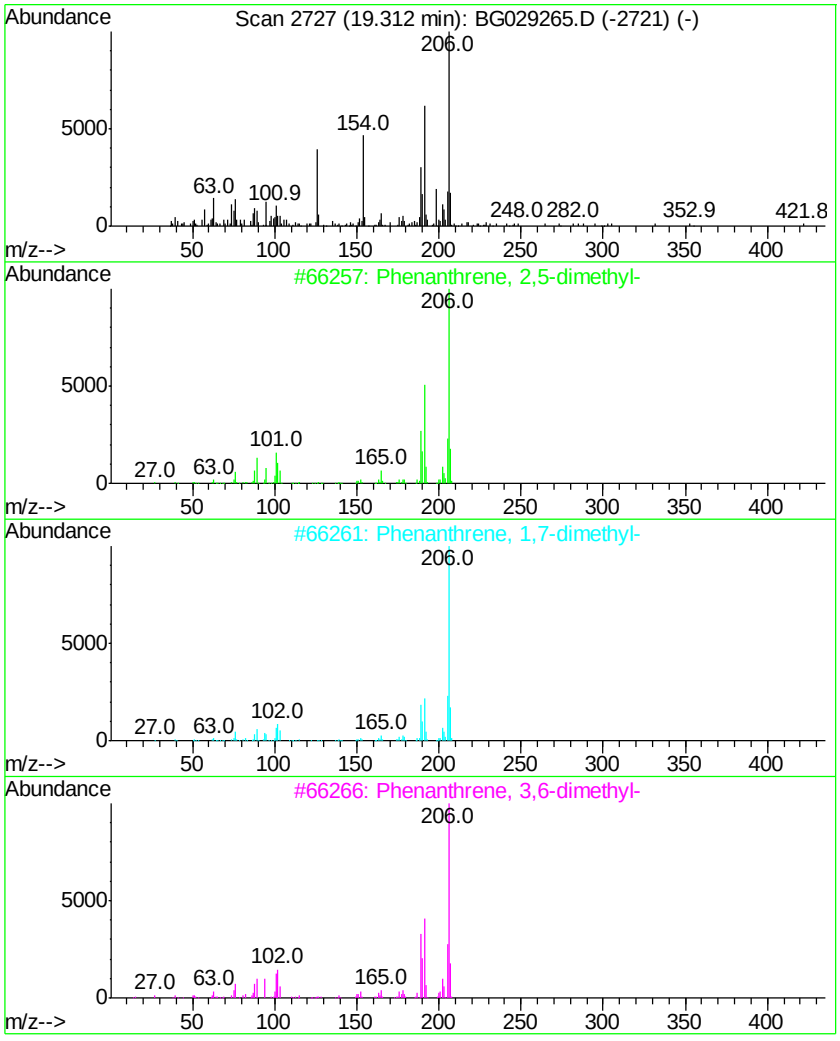
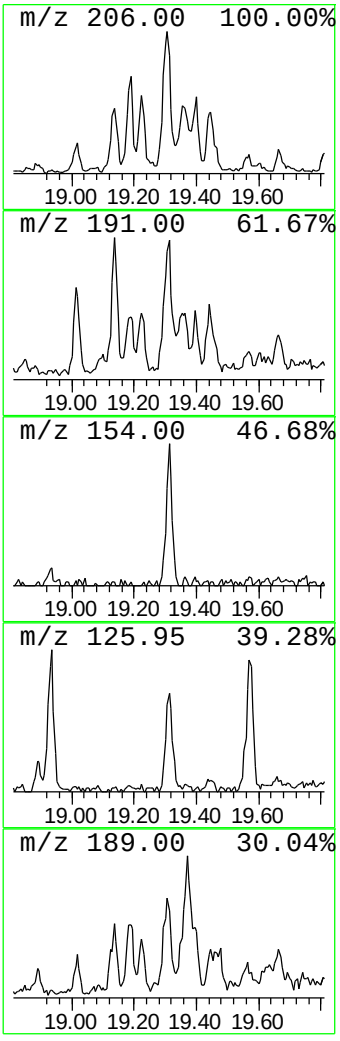
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.31	2.34 ng/ul	187957	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	86
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	78
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	78
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	78
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	70





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Quant Title : SVOA CALIBRATION

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

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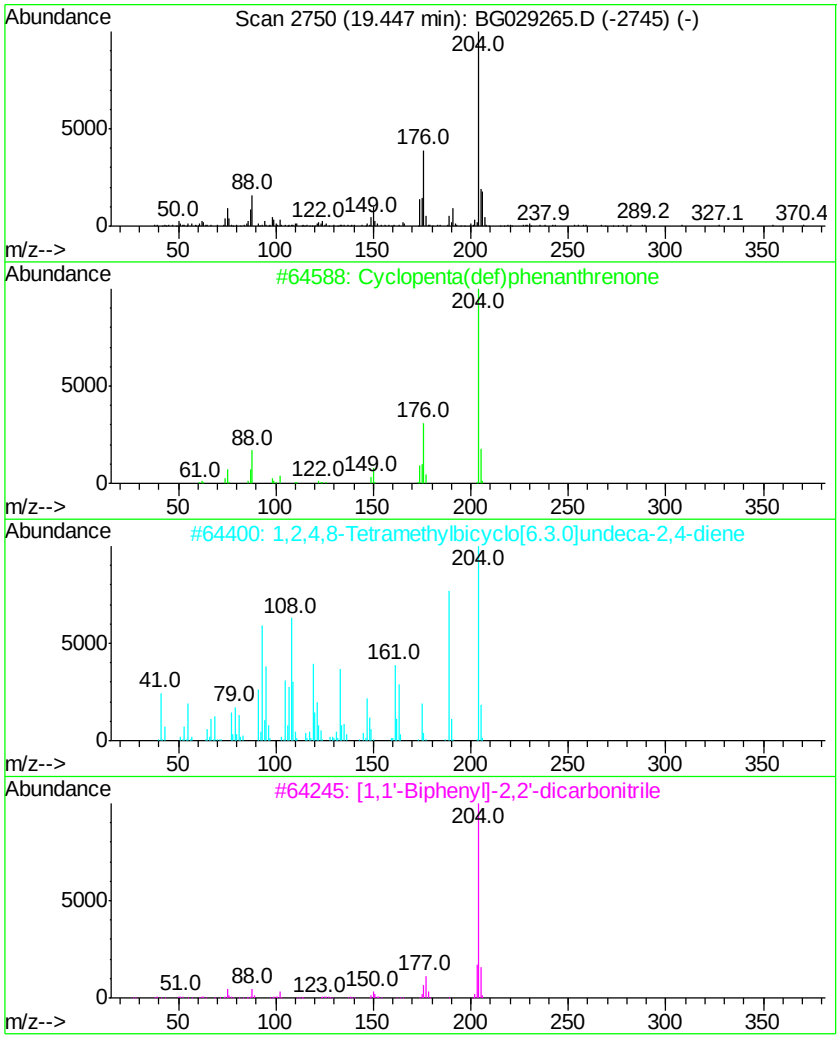
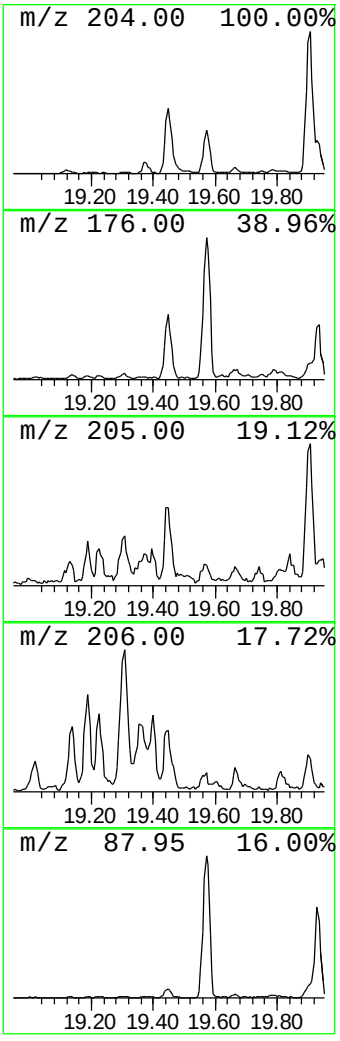
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.45	3.36 ng/ul	269617	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
4	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	46
5	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	42





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ClientSampleId : C0AB7DL

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Quant Title : SVOA CALIBRATION

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

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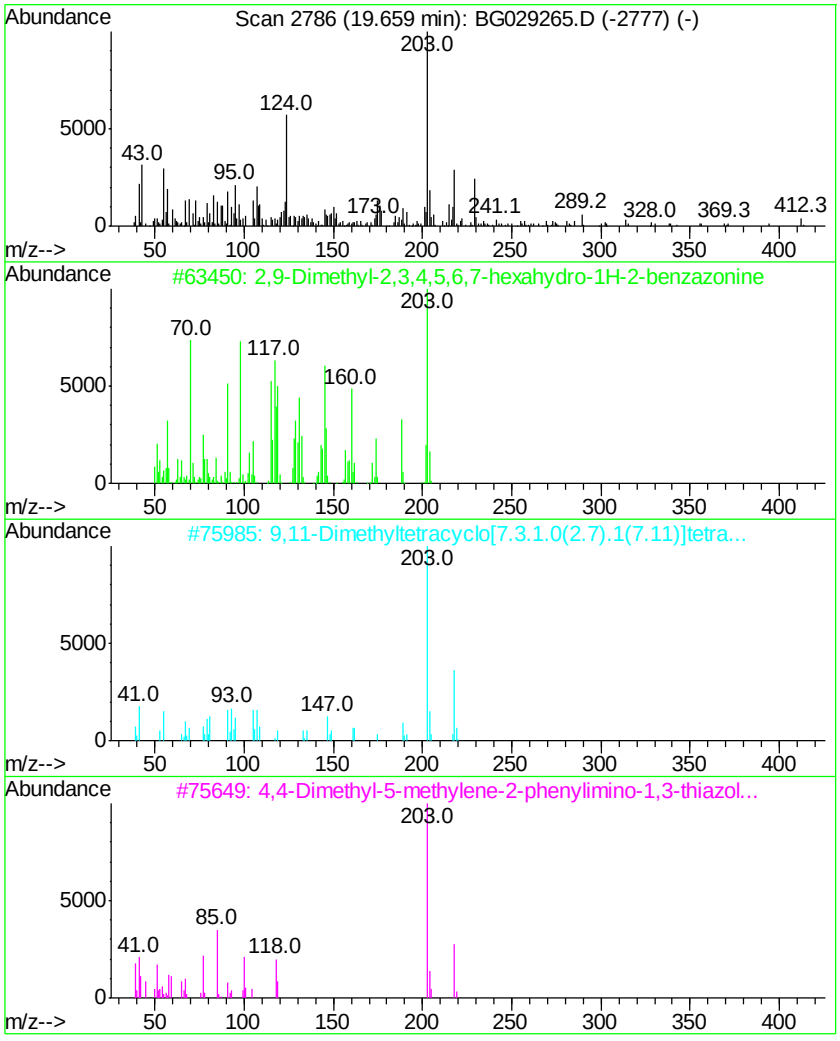
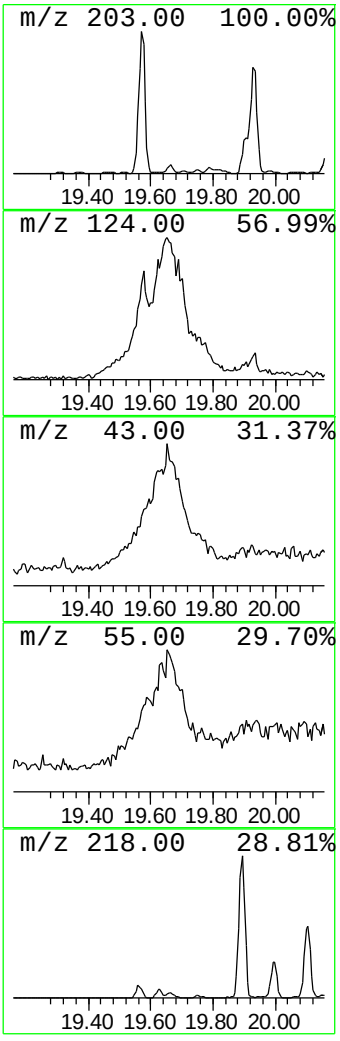
Peak Number 11 2,9-Dimethyl-2,3,4,5,6,7-he... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.66	15.15 ng/ul	1214700	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,9-Dimethyl-2,3,4,5,6,7-hexahyd...	203	C14H21N	077581-11-4	93
2	9,11-Dimethyltetracyclo[7.3.1.0(...	218	C16H26	053263-99-3	70
3	4,4-Dimethyl-5-methylene-2-phenv...	218	C12H14N2S	037120-32-4	43
4	2,4-Imidazolidinedione, 1,3,5-tr...	218	C12H14N2O2	055822-88-3	43
5	4-Azapyrene	203	C15H9N	000194-03-6	42





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Sample : I5548-06DL 5X
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ClientSampleId : C0AB7DL

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Quant Title : SVOA CALIBRATION

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

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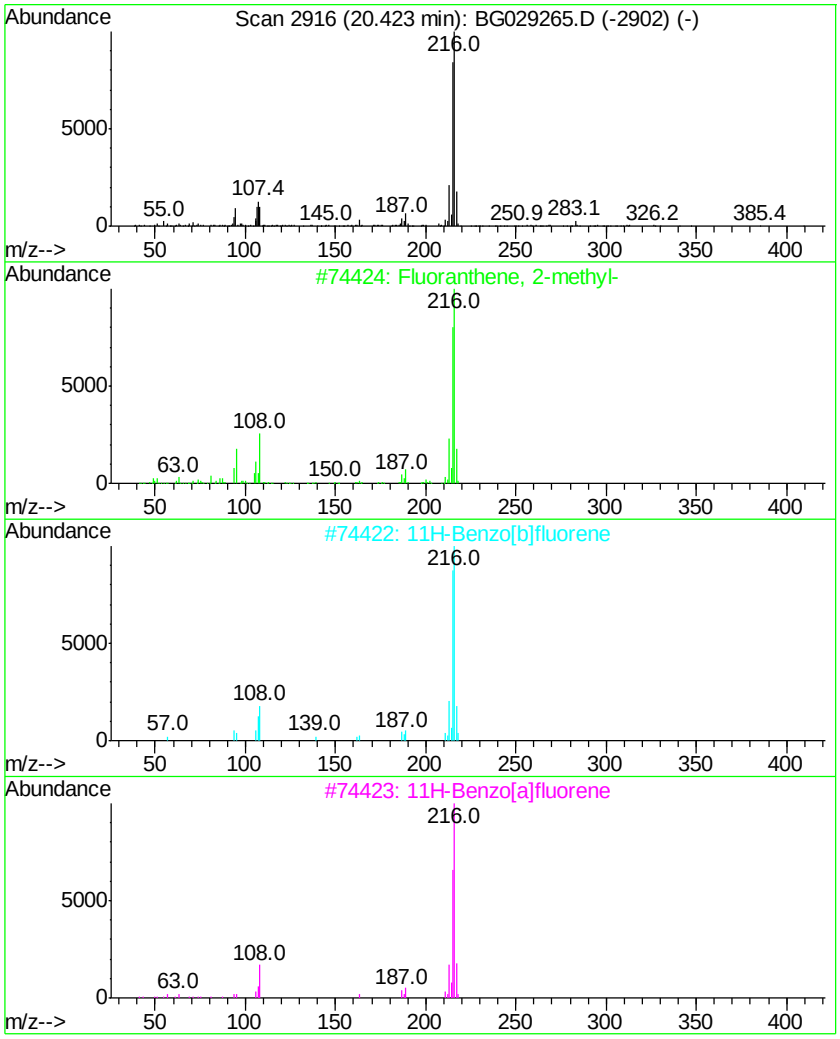
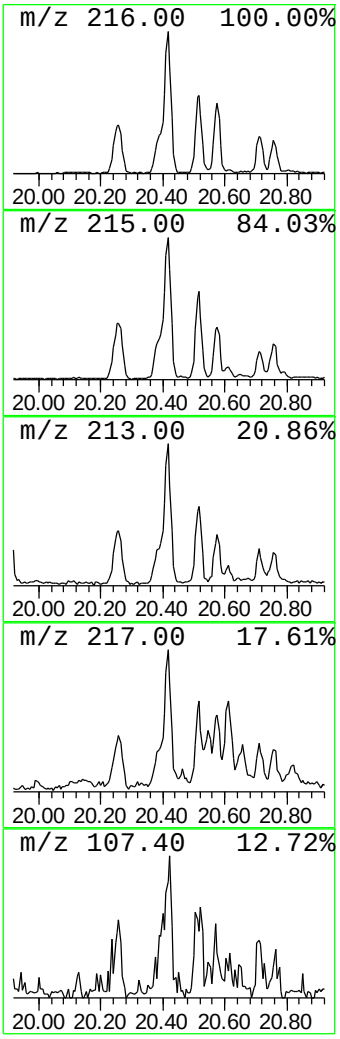
Peak Number 12 Fluoranthene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.42	3.38 ng/ul	700260	Chrysene-d12	21.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





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Sample : I5548-06DL 5X
Misc :
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Instrument : BNA_G
ClientSampleId : C0AB7DL

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Quant Title : SVOA CALIBRATION

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

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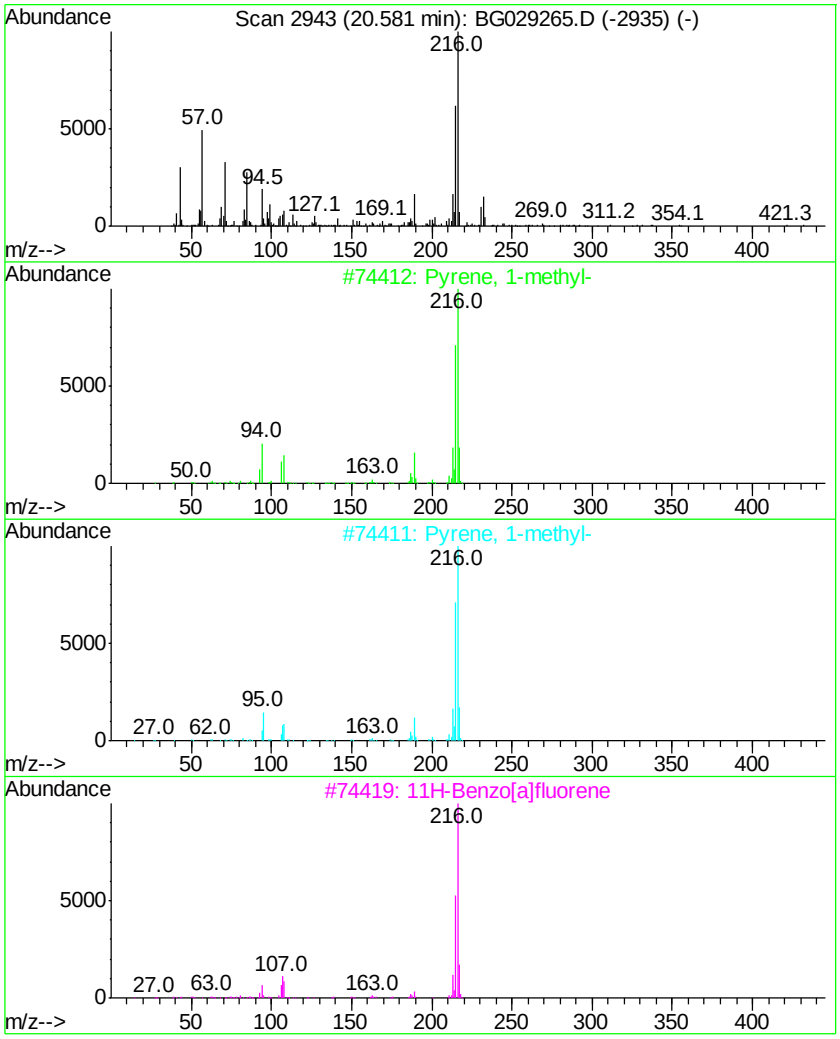
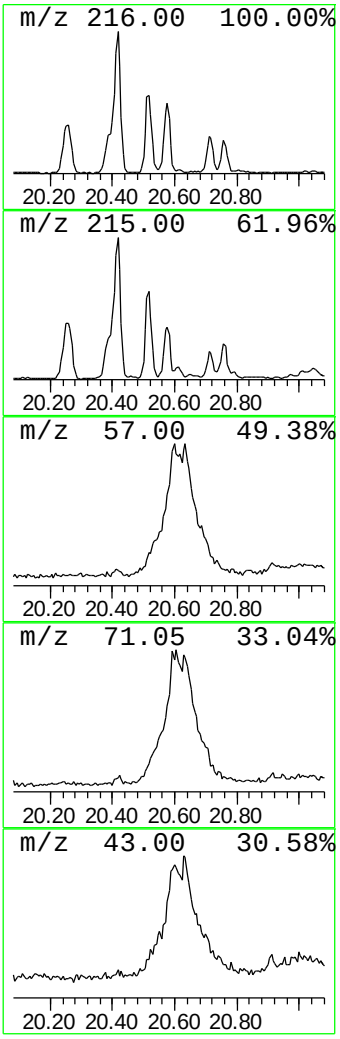
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.58	2.27 ng/ul	470662	Chrysene-d12	21.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	68
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	64
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	62





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Sample : I5548-06DL 5X
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Quant Title : SVOA CALIBRATION

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

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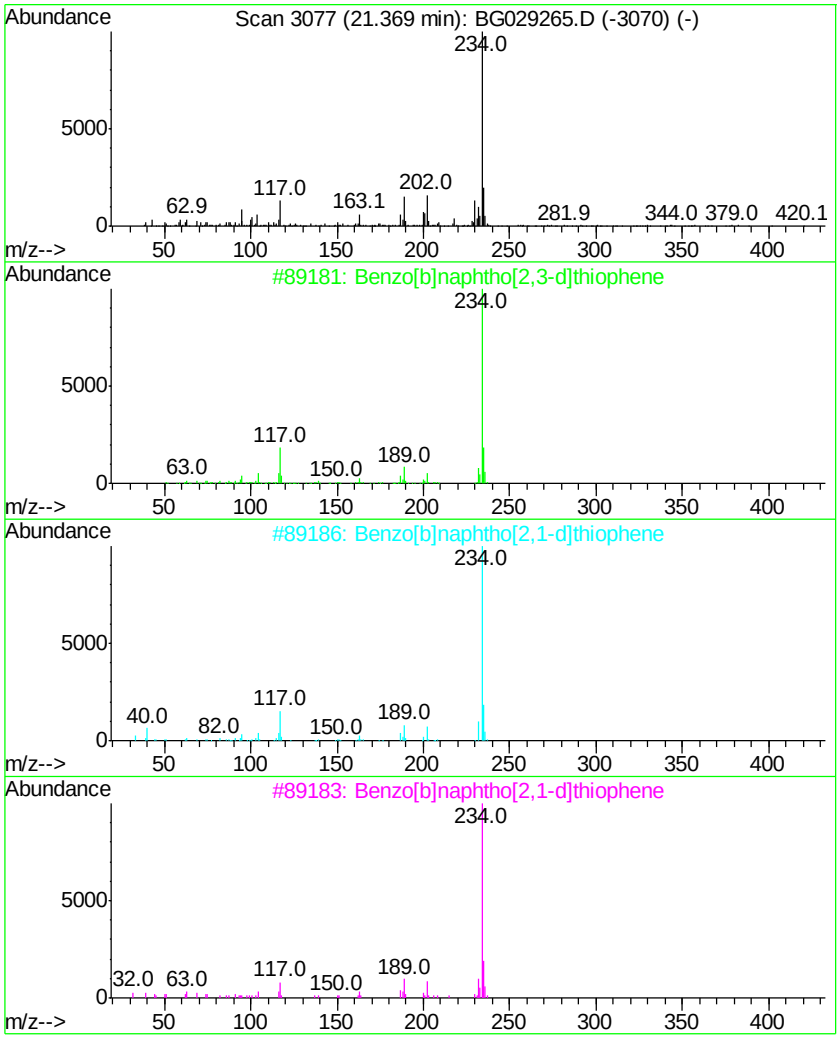
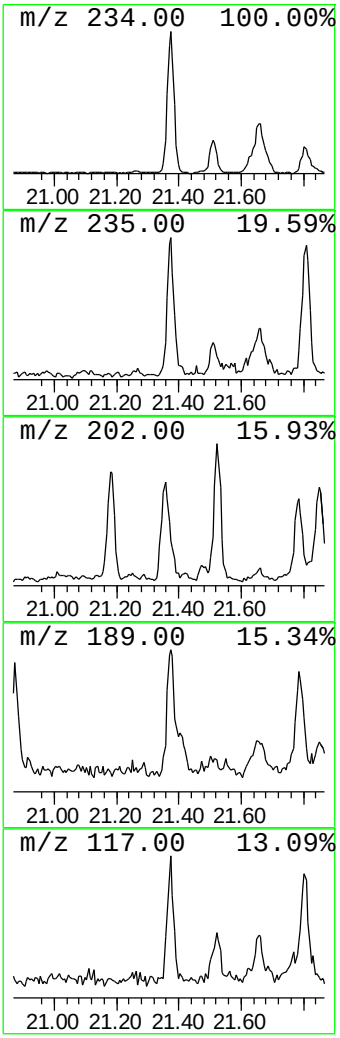
Peak Number 14 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	2.21 ng/ul	457404	Chrysene-d12	21.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	81
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	81





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Misc :
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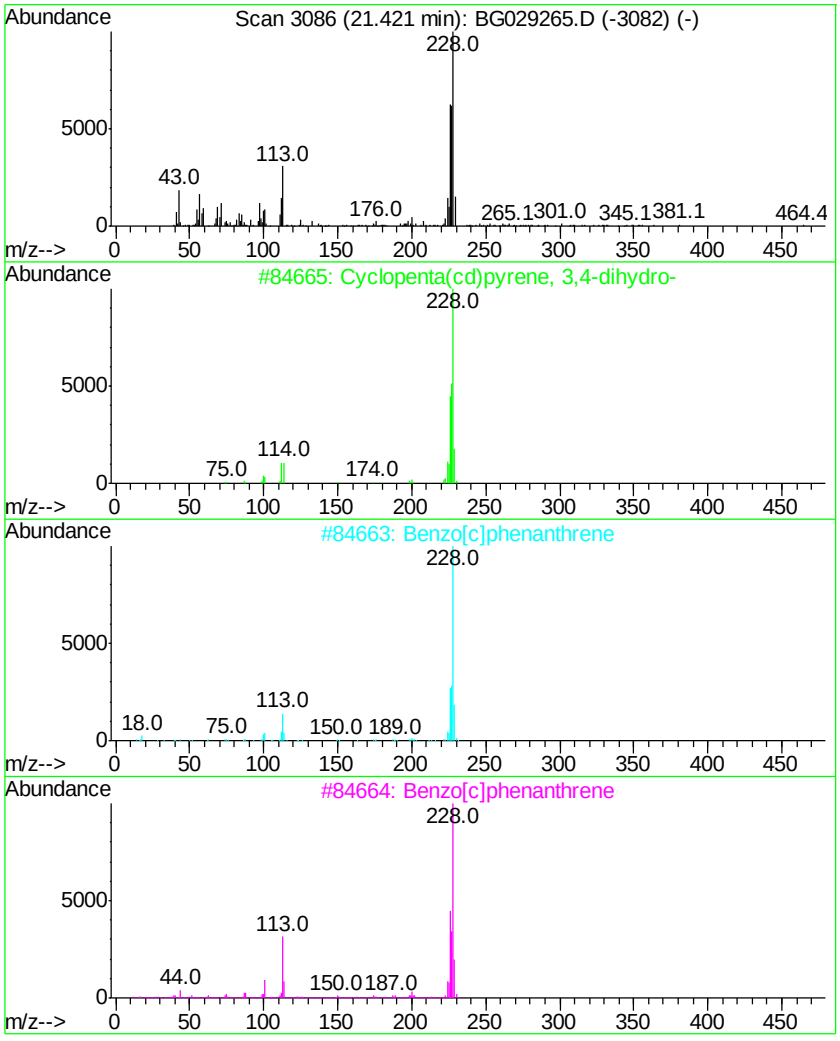
Quant Title : SVOA CALIBRATION

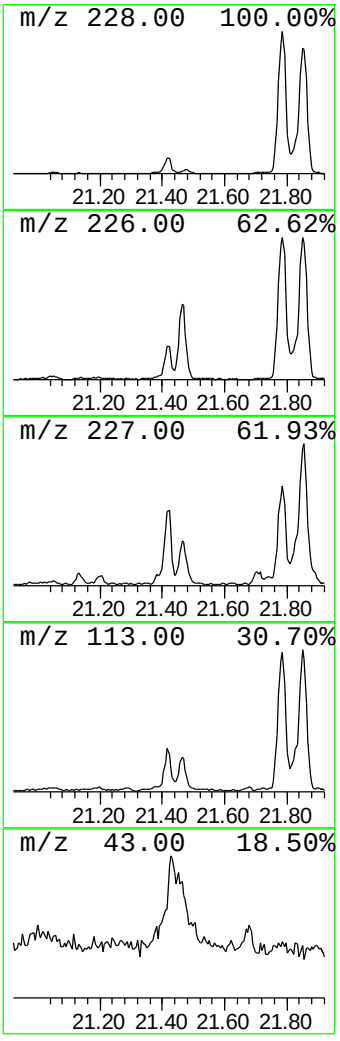
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.42	2.36 ng/ul	489011	Chrysene-d12	21.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	64
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	50
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
4	Chrysene	228	C18H12	000218-01-9	43
5	Triphenylene	228	C18H12	000217-59-4	43





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Quant Title : SVOA CALIBRATION

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

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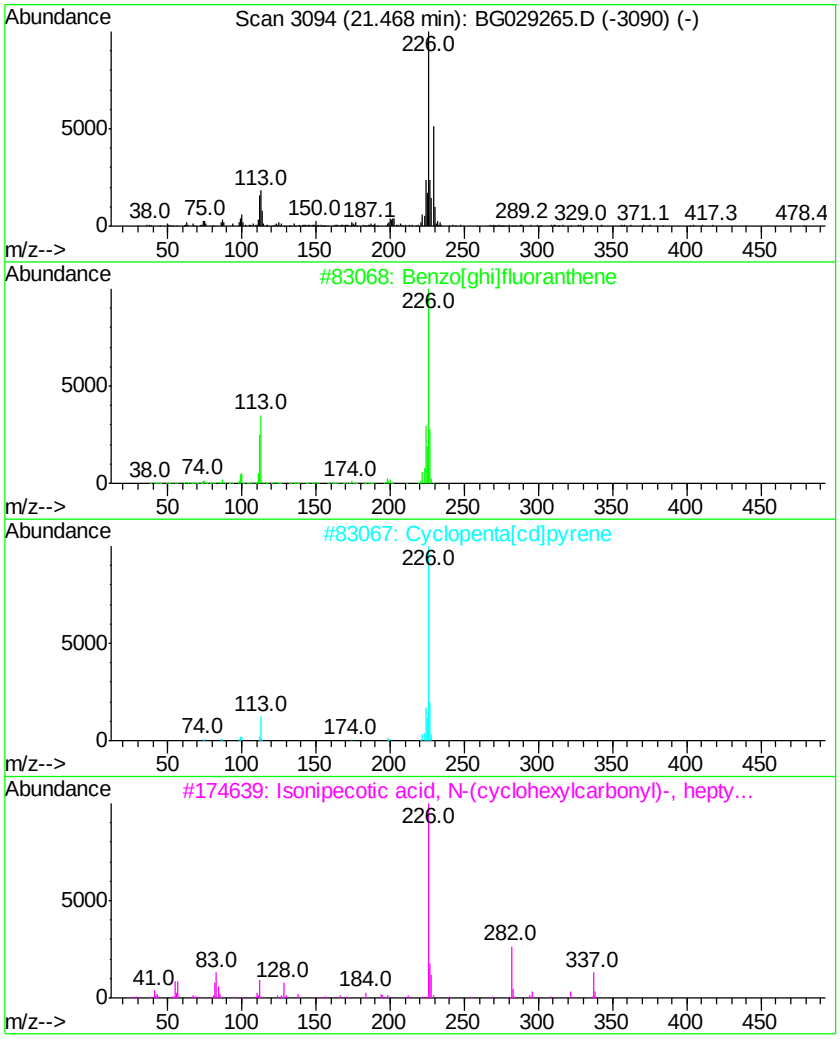
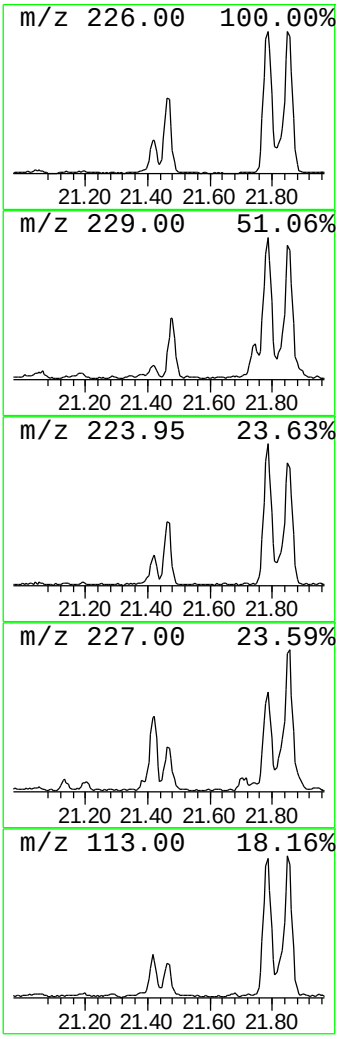
Peak Number 16 Benzo[ghi]fluoranthene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.47	2.68 ng/ul	556340	Chrysene-d12	21.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	60
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	53
3	Isonipecotic acid, N-(cyclohexyl...	337	C20H35NO3	1000361-03-0	32
4	N,N-Dimethylindoaniline	226	C14H14N2O	002150-58-5	25
5	Benz[c]acridine	229	C17H11N	000225-51-4	25





Library Search Compound Report

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Data File : BG029265.D
Acq On : 15 Oct 2017 18:54
Operator : SJ/JU
Sample : I5548-06DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AB7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

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

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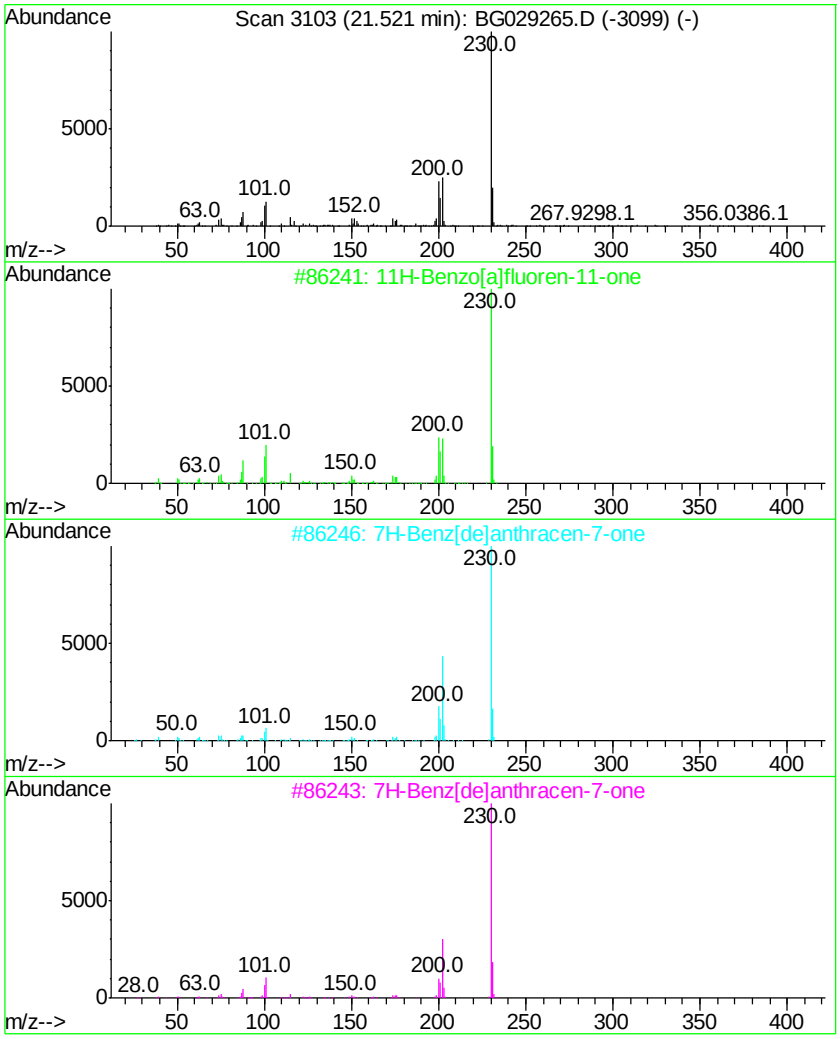
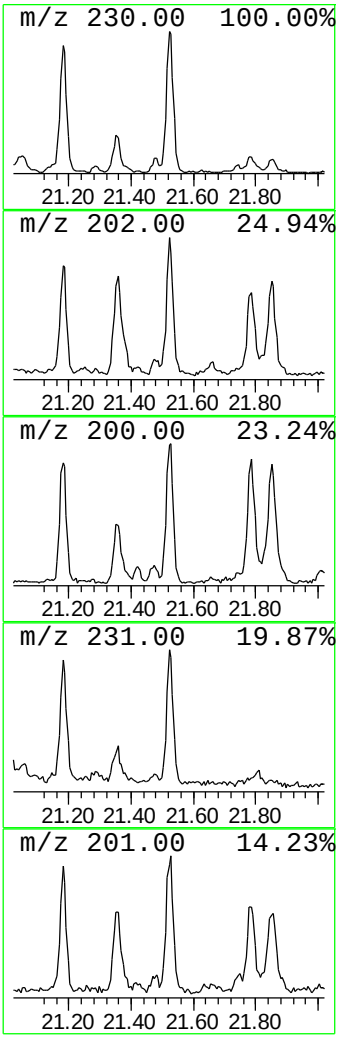
Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.52	2.59 ng/ul	536243	Chrysene-d12	21.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
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	76
5	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	72





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Acq On : 15 Oct 2017 18:54
Operator : SJ/JU
Sample : I5548-06DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AB7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

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

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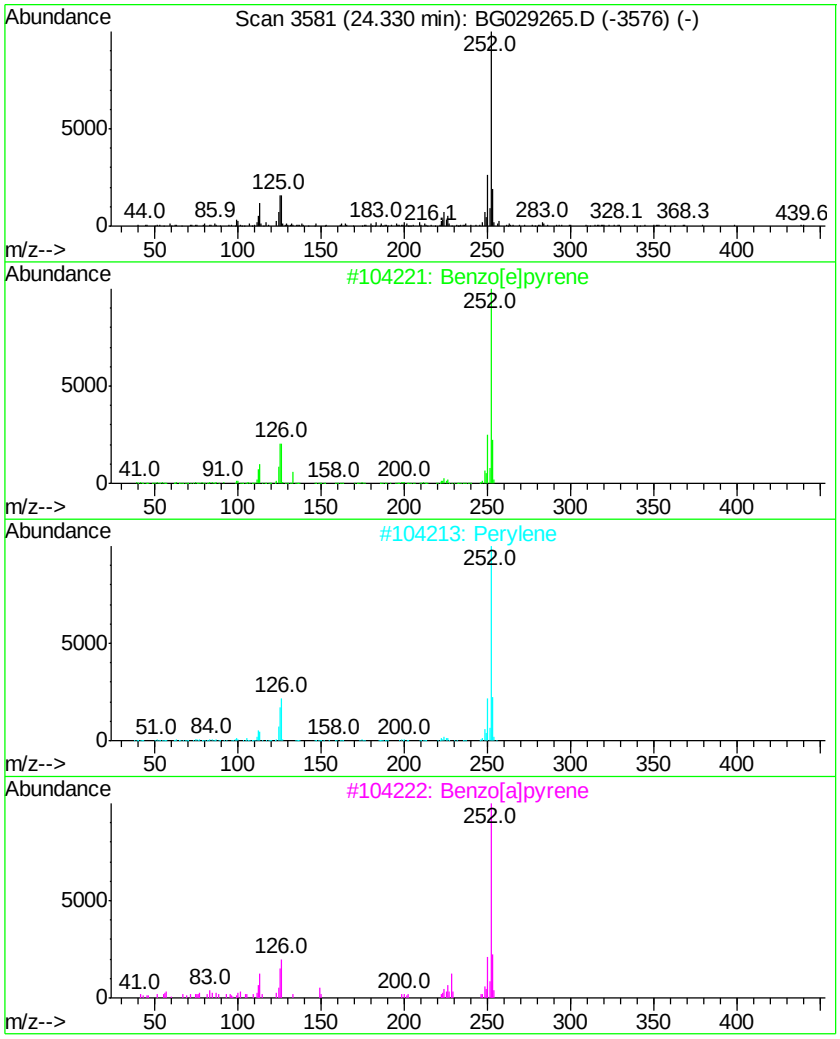
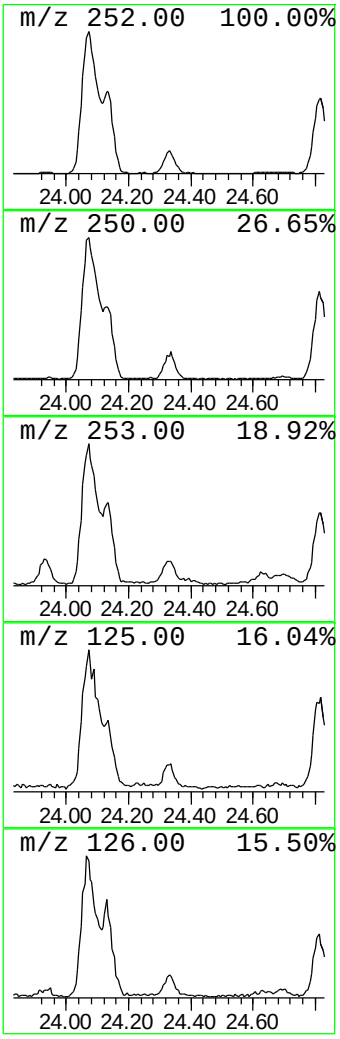
Peak Number 18 Benzo[e]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.33	2.69 ng/ul	260447	Perylene-d12	25.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Perylene	252	C20H12	000198-55-0	94
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[e]pyrene	252	C20H12	000192-97-2	93
5	Perylene	252	C20H12	000198-55-0	93





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Operator : SJ/JU
Sample : I5548-06DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AB7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

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

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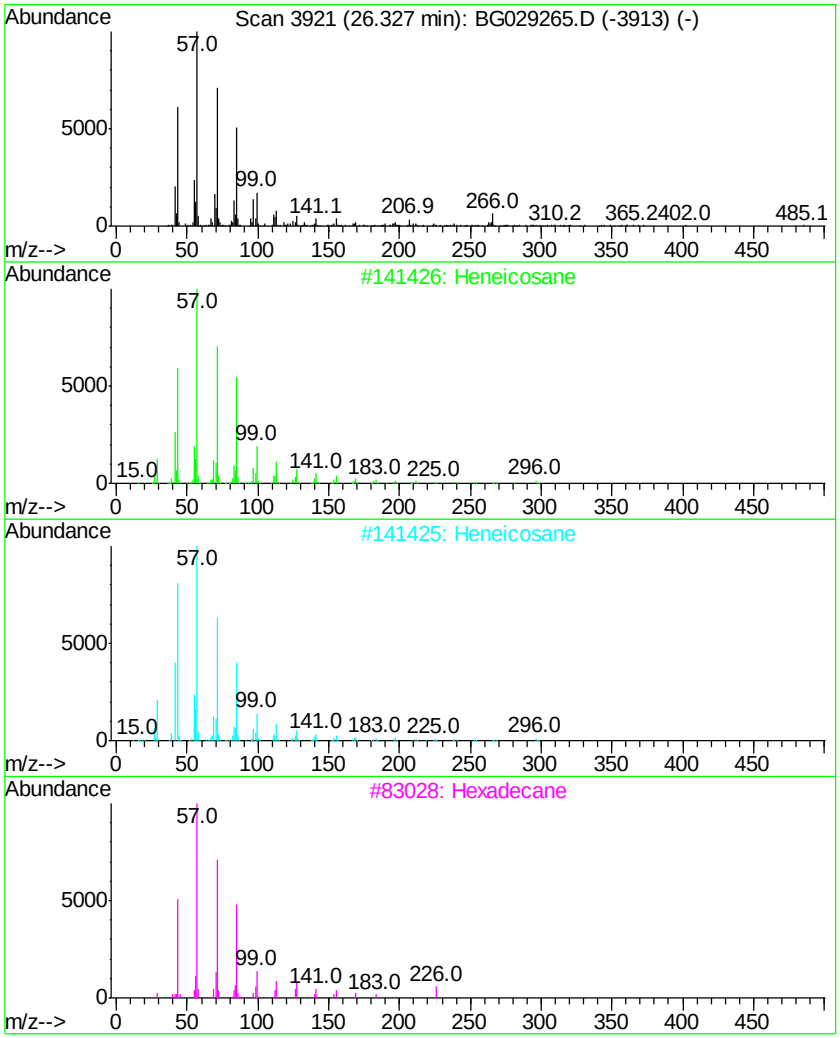
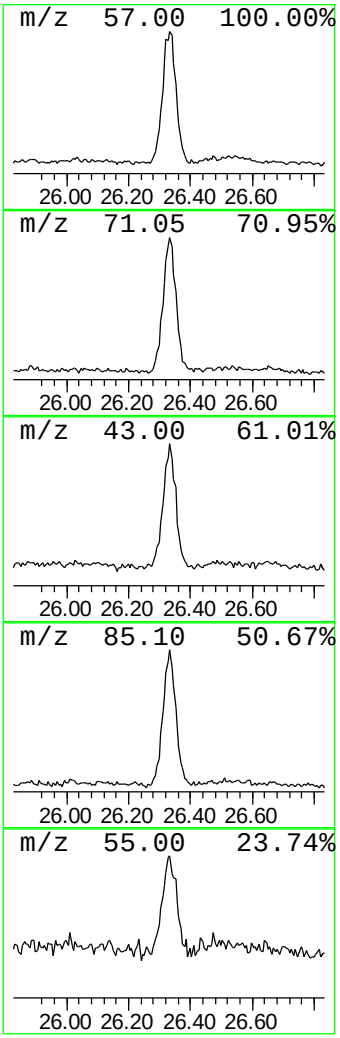
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.33	7.25 ng/ul	702639	Perylene-d12	25.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	95
2	Heneicosane	296	C21H44	000629-94-7	92
3	Hexadecane	226	C16H34	000544-76-3	91
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	83
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	80





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Data File : BG029265.D
Acq On : 15 Oct 2017 18:54
Operator : SJ/JU
Sample : I5548-06DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AB7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

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

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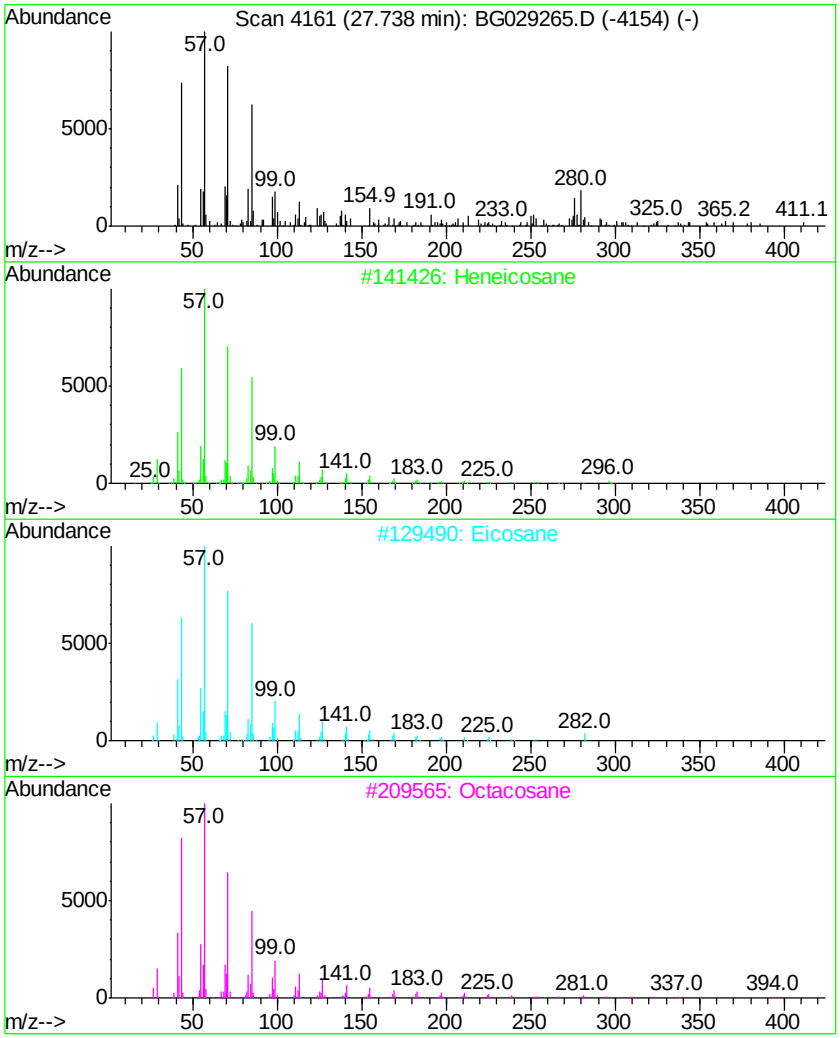
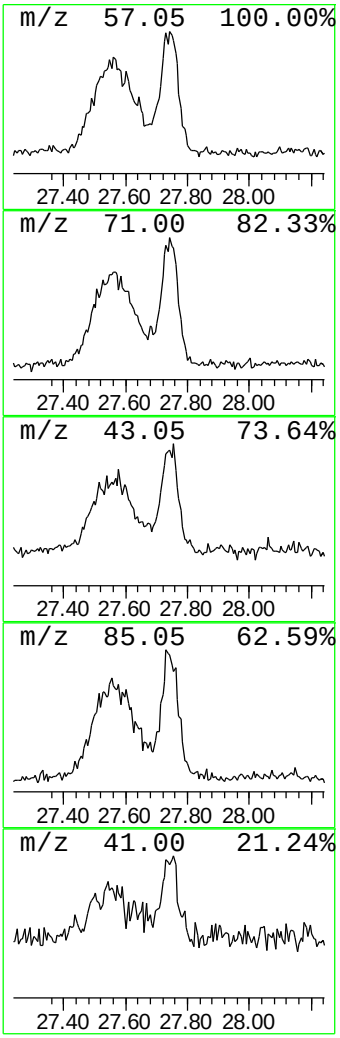
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.74	3.74 ng/ul	361879	Perylene-d12	25.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	89
2	Eicosane	282	C20H42	000112-95-8	89
3	Octacosane	394	C28H58	000630-02-4	72
4	Eicosane	282	C20H42	000112-95-8	68
5	Heneicosane	296	C21H44	000629-94-7	68





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Data File : BG029265.D
Acq On : 15 Oct 2017 18:54
Operator : SJ/JU
Sample : I5548-06DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AB7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

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

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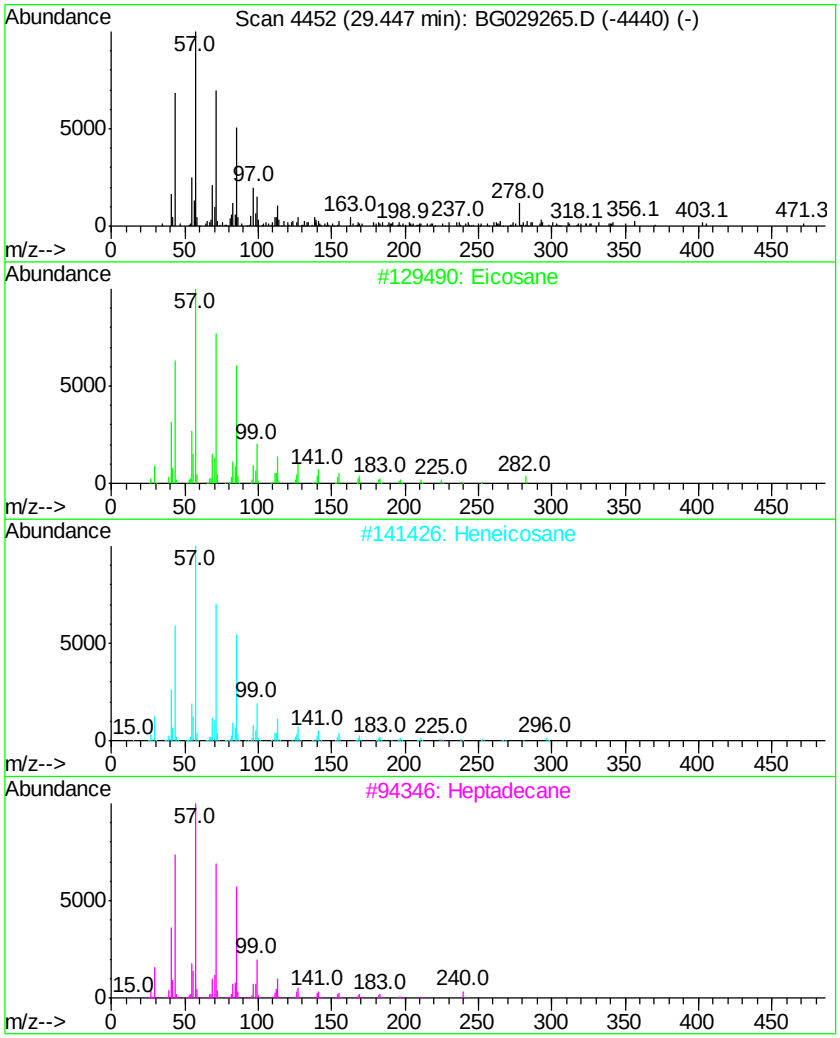
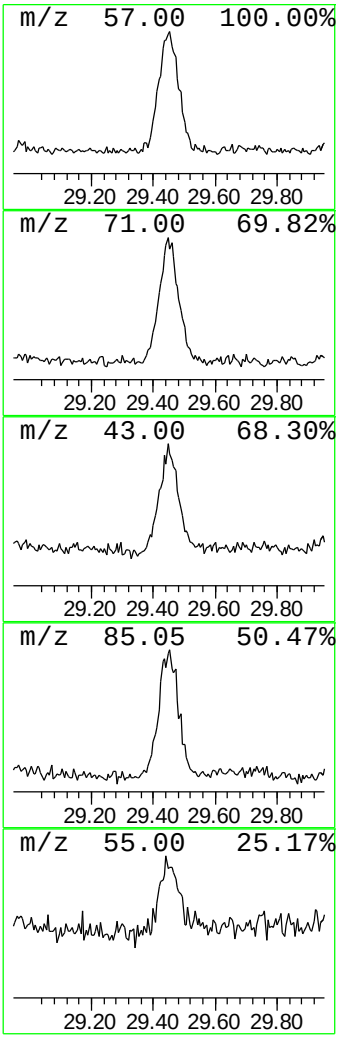
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.45	4.03 ng/ul	390565	Perylene-d12	25.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	93
2	Heneicosane	296	C21H44	000629-94-7	58
3	Heptadecane	240	C17H36	000629-78-7	58
4	Hexadecane	226	C16H34	000544-76-3	55
5	Tetradecane	198	C14H30	000629-59-4	52





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_G\DATA\BG101517\
Data File : BG029265.D
Acq On : 15 Oct 2017 18:54
Operator : SJ/JU
Sample : I5548-06DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AB7DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.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
6H-Dibenzo[b,d]-p...	16.27	2.3	ng/ul	181952	4	17.53	1603280	20.0
9H-Fluoren-9-one	17.18	3.1	ng/ul	250896	4	17.53	1603280	20.0
Dibenzothiophene	17.35	3.7	ng/ul	293482	4	17.53	1603280	20.0
Phenanthrene, 2-m...	18.40	5.7	ng/ul	452571	4	17.53	1603280	20.0
Anthracene, 2-met...	18.45	6.7	ng/ul	539002	4	17.53	1603280	20.0
4H-Cyclopenta[def...	18.60	11.8	ng/ul	946828	4	17.53	1603280	20.0
Naphthalene, 2-ph...	18.89	4.1	ng/ul	331751	4	17.53	1603280	20.0
9,10-Anthracenedione	18.94	7.2	ng/ul	573156	4	17.53	1603280	20.0
Phenanthrene, 2,5...	19.31	2.3	ng/ul	187957	4	17.53	1603280	20.0
Cyclopenta(def)ph...	19.45	3.4	ng/ul	269617	4	17.53	1603280	20.0
2,9-Dimethyl-2,3,...	19.66	15.2	ng/ul	1214700	4	17.53	1603280	20.0
Fluoranthene, 2-m...	20.42	3.4	ng/ul	700260	5	21.80	4146470	20.0
Pyrene, 1-methyl-	20.58	2.3	ng/ul	470662	5	21.80	4146470	20.0
Benzo[b]naphtho[2...	21.37	2.2	ng/ul	457404	5	21.80	4146470	20.0
Cyclopenta(cd)pyr...	21.42	2.4	ng/ul	489011	5	21.80	4146470	20.0
Benzo[ghi]fluoran...	21.47	2.7	ng/ul	556340	5	21.80	4146470	20.0
11H-Benzo[a]fluor...	21.52	2.6	ng/ul	536243	5	21.80	4146470	20.0
Benzo[e]pyrene	24.33	2.7	ng/ul	260447	6	25.12	1937410	20.0
(DEL) Alkane: Str...	26.33	7.3	ng/ul	702639	6	25.12	1937410	20.0
(DEL) Alkane: Str...	27.74	3.7	ng/ul	361879	6	25.12	1937410	20.0
(DEL) Alkane: Str...	29.45	4.0	ng/ul	390565	6	25.12	1937410	20.0