

Data Path : Z:\HPCHEM1\BNA G\DATA\BG013117\
 Data File : BG025739.D
 Acq On : 1 Feb 2017 5:39
 Operator : SJ/MA
 Sample : I1460-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BDNS5

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.1
 Stop Thrs : 0

Filtering: 5
 Min Area: 0.1 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.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	2.915	11	13	25	rVV8	12481	27895	0.71%	0.071%
2	2.991	25	26	34	rVV7	11402	23713	0.60%	0.060%
3	3.061	34	38	44	rVB2	25169	38959	0.99%	0.099%
4	6.616	636	643	648	rVB6	7096	18355	0.47%	0.046%
5	7.339	757	766	785	rBV2	82494	264879	6.72%	0.671%
6	7.486	785	791	803	rVB	71375	142559	3.62%	0.361%
7	7.709	820	829	842	rVB4	95091	203971	5.18%	0.516%
8	8.167	899	907	924	rVB2	295435	582477	14.78%	1.475%
9	8.896	1023	1031	1047	rBV3	102742	269134	6.83%	0.681%
10	9.360	1102	1110	1126	rVB	101603	223362	5.67%	0.565%
11	9.660	1153	1161	1167	rBV6	8336	23574	0.60%	0.060%
12	10.089	1225	1234	1248	rBV4	74834	202933	5.15%	0.514%
13	10.653	1319	1330	1342	rBV4	83426	244911	6.21%	0.620%
14	10.993	1379	1388	1402	rVB	433332	851786	21.61%	2.156%
15	11.164	1410	1417	1435	rBV3	51910	156054	3.96%	0.395%
16	12.656	1667	1671	1679	rBV8	8301	16698	0.42%	0.042%
17	12.874	1702	1708	1714	rVB8	11168	20927	0.53%	0.053%
18	13.285	1774	1778	1788	rBV6	10258	30964	0.79%	0.078%
19	13.643	1836	1839	1844	rBV4	8798	14621	0.37%	0.037%
20	13.990	1890	1898	1905	rVV10	17019	40168	1.02%	0.102%
21	14.119	1914	1920	1925	rBV4	32245	58955	1.50%	0.149%
22	14.195	1925	1933	1937	rVV	267353	451024	11.44%	1.142%
23	14.243	1937	1941	1951	rVB	103625	184384	4.68%	0.467%
24	14.354	1955	1960	1964	rBV5	19346	27617	0.70%	0.070%
25	14.495	1976	1984	2000	rBV2	306767	620924	15.75%	1.572%
26	14.642	2004	2009	2016	rVB5	17303	27798	0.71%	0.070%
27	14.795	2025	2035	2043	rBV	767311	1224848	31.08%	3.101%
28	15.012	2064	2072	2077	rBV	16094	34719	0.88%	0.088%
29	15.083	2077	2084	2091	rBV7	40278	106555	2.70%	0.270%
30	15.183	2096	2101	2110	rVV9	46390	99934	2.54%	0.253%
31	15.259	2110	2114	2121	rVB5	26978	55400	1.41%	0.140%
32	15.394	2133	2137	2144	rBV7	23013	49477	1.26%	0.125%
33	15.459	2144	2148	2152	rVB7	16009	25287	0.64%	0.064%
34	15.582	2155	2169	2179	rVB8	39620	116529	2.96%	0.295%

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35	15.788	2193	2204	2210	rBV2	425258	677888	17.20%	1.716%
36	15.847	2211	2214	2224	rVB7	40052	74444	1.89%	0.188%
37	15.952	2225	2232	2243	rBV6	81011	230050	5.84%	0.582%
38	16.134	2260	2263	2269	rVB6	25404	40525	1.03%	0.103%
39	16.281	2284	2288	2295	rBV10	19673	33990	0.86%	0.086%
40	16.440	2310	2315	2316	rBV2	38665	39916	1.01%	0.101%
41	16.681	2353	2356	2360	rVB6	12344	21280	0.54%	0.054%
42	16.839	2377	2383	2389	rVB9	43025	80833	2.05%	0.205%
43	16.892	2389	2392	2398	rBV5	25958	47755	1.21%	0.121%
44	16.992	2405	2409	2413	rVB6	18285	24807	0.63%	0.063%
45	17.069	2415	2422	2425	rBV9	21041	48077	1.22%	0.122%
46	17.110	2426	2429	2437	rVB9	23565	47970	1.22%	0.121%
47	17.233	2442	2450	2453	rBV4	47860	89632	2.27%	0.227%
48	17.368	2469	2473	2480	rVB	66679	109943	2.79%	0.278%
49	17.545	2495	2503	2507	rBV2	1060889	1645109	41.74%	4.165%
50	17.586	2507	2510	2515	rVB	583776	824968	20.93%	2.089%
51	17.644	2515	2520	2525	rBV	457633	705814	17.91%	1.787%
52	17.762	2539	2540	2545	rBV4	13678	15159	0.38%	0.038%
53	17.968	2569	2575	2581	rBV3	77666	122545	3.11%	0.310%
54	18.050	2585	2589	2594	rVB5	32471	42856	1.09%	0.108%
55	18.126	2597	2602	2610	rBV3	99065	159089	4.04%	0.403%
56	18.261	2619	2625	2634	rVB3	57162	147118	3.73%	0.372%
57	18.349	2634	2640	2643	rBV7	44296	91579	2.32%	0.232%
58	18.414	2643	2651	2655	rVV	236419	446171	11.32%	1.130%
59	18.467	2655	2660	2666	rVB	263304	418981	10.63%	1.061%
60	18.543	2669	2673	2677	rBV2	59242	97193	2.47%	0.246%
61	18.602	2677	2683	2688	rVV2	271574	606664	15.39%	1.536%
62	18.649	2688	2691	2696	rVB2	198644	283479	7.19%	0.718%
63	18.808	2715	2718	2722	rVB3	38889	38075	0.97%	0.096%
64	18.902	2729	2734	2738	rBV2	145350	226177	5.74%	0.573%
65	18.966	2742	2745	2753	rVB4	110501	189140	4.80%	0.479%
66	19.119	2768	2771	2779	rBV7	50534	121498	3.08%	0.308%
67	19.196	2780	2784	2787	rVB3	79638	109928	2.79%	0.278%
68	19.237	2788	2791	2795	rVB5	75490	98068	2.49%	0.248%
69	19.313	2796	2804	2809	rBV	215373	387448	9.83%	0.981%
70	19.366	2810	2813	2818	rBV5	62129	111928	2.84%	0.283%
71	19.478	2824	2832	2841	rVB4	128190	305595	7.75%	0.774%

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72	19.589	2843	2851	2856	rBV	1587059	2433186	61.74%	6.160%
73	19.636	2856	2859	2862	rVB5	52406	62657	1.59%	0.159%
74	19.736	2872	2876	2882	rBV	135591	207081	5.25%	0.524%
75	19.801	2883	2887	2888	rBV4	50286	63673	1.62%	0.161%
76	19.918	2900	2907	2909	rBV2	758722	1249599	31.71%	3.164%
77	19.948	2909	2912	2918	rVB	1661752	2272469	57.66%	5.753%
78	20.012	2919	2923	2928	rVB2	116372	187877	4.77%	0.476%
79	20.124	2939	2942	2946	rVB	91399	127628	3.24%	0.323%
80	20.265	2961	2966	2973	rVB4	166499	362328	9.19%	0.917%
81	20.435	2986	2995	3001	rVB	311344	794508	20.16%	2.011%
82	20.535	3008	3012	3016	rBV	147181	179268	4.55%	0.454%
83	20.594	3018	3022	3030	rVB2	227772	370942	9.41%	0.939%
84	20.735	3041	3046	3050	rBV	181018	274911	6.98%	0.696%
85	20.782	3050	3054	3060	rVB	165191	264081	6.70%	0.669%
86	21.211	3123	3127	3133	rVB	193018	300857	7.63%	0.762%
87	21.399	3154	3159	3162	rBV	271765	432160	10.97%	1.094%
88	21.499	3171	3176	3180	rBV4	161313	290268	7.36%	0.735%
89	21.563	3183	3187	3194	rVB	207614	369649	9.38%	0.936%
90	21.828	3222	3232	3237	rBV2	1511626	3941245	100.00%	9.978%
91	21.881	3237	3241	3250	rVB	796732	1399154	35.50%	3.542%
92	22.122	3277	3282	3291	rBV4	157516	346750	8.80%	0.878%
93	22.879	3407	3411	3417	rBV7	79187	126936	3.22%	0.321%
94	24.131	3614	3624	3632	rBV	604000	2207303	56.01%	5.588%
95	24.407	3665	3671	3679	rVB	129818	311598	7.91%	0.789%
96	24.895	3747	3754	3760	rBV2	245336	586324	14.88%	1.484%
97	24.977	3762	3768	3773	rBV2	212486	472270	11.98%	1.196%
98	25.053	3774	3781	3792	rVB2	481560	1498292	38.02%	3.793%
99	25.212	3798	3808	3818	rBV2	655526	1930126	48.97%	4.887%
100	29.102	4460	4470	4491	rVB3	236110	1192806	30.26%	3.020%

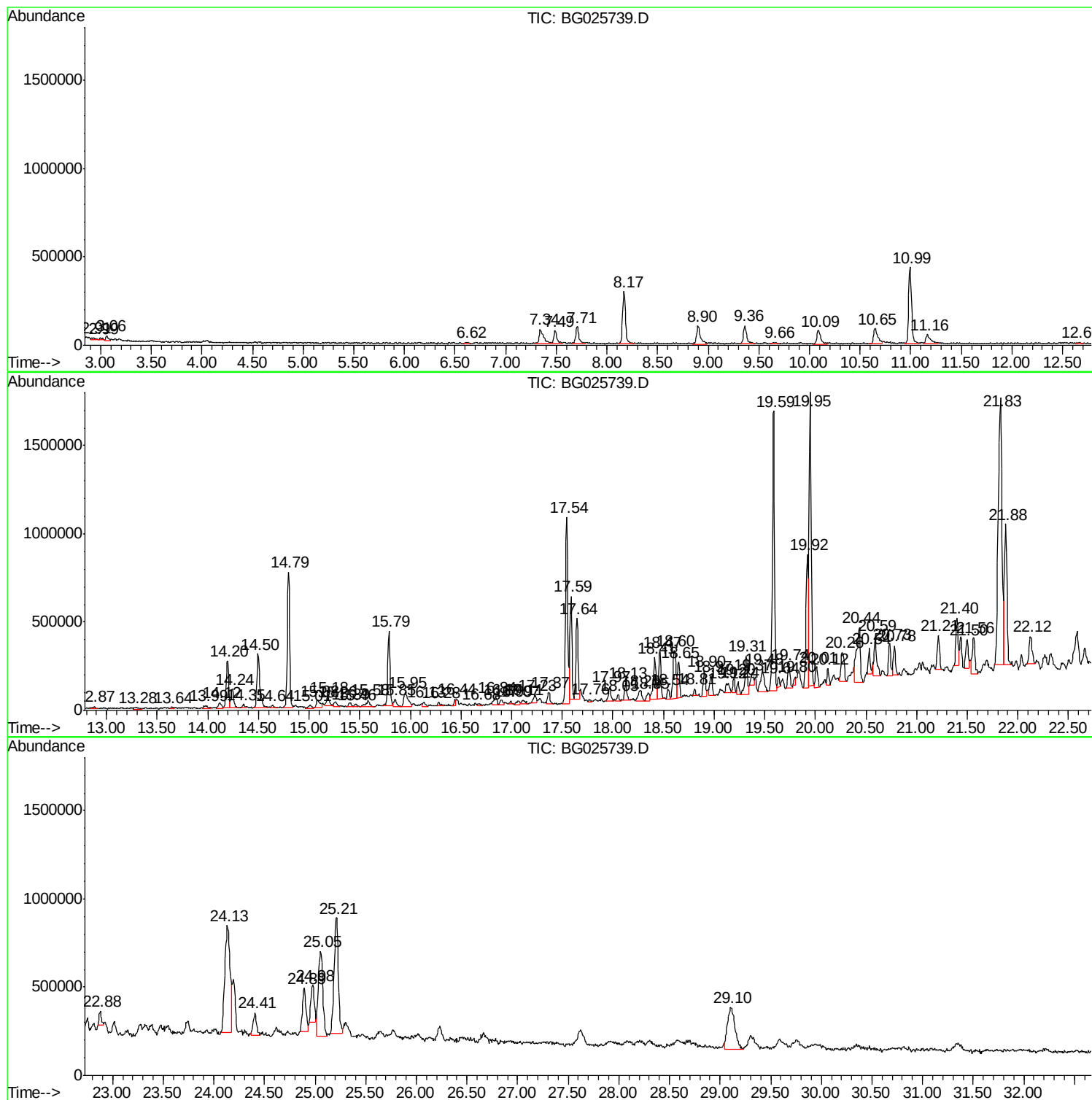
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ClientSampled :
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION

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



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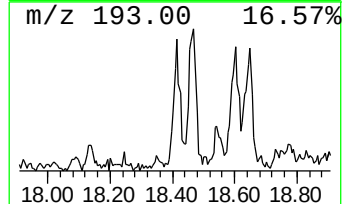
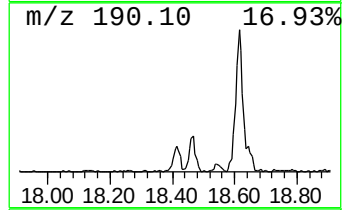
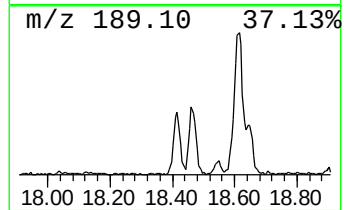
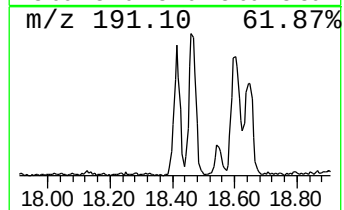
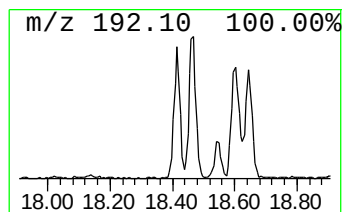
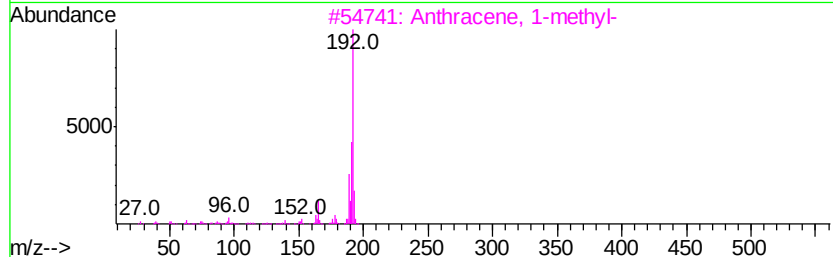
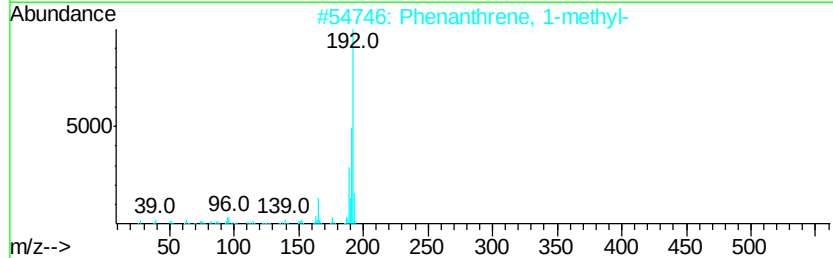
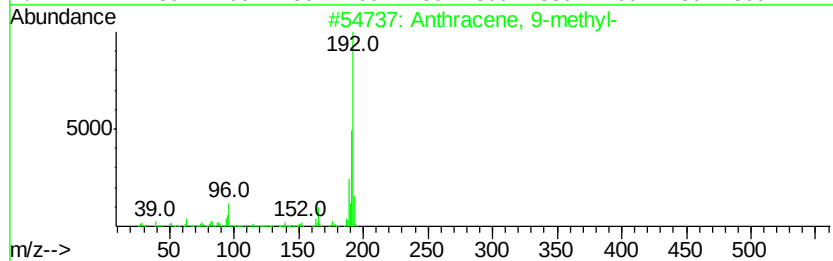
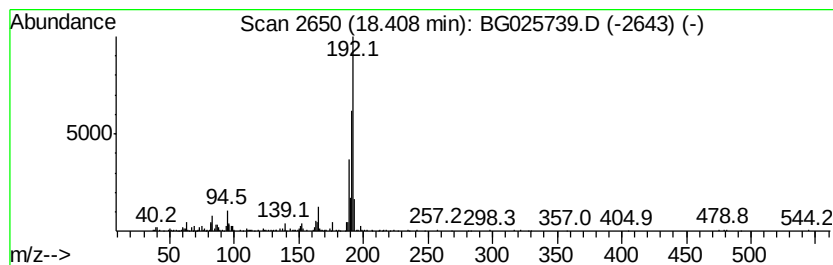
Instrument :
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Anthracene, 9-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.41	5.42 ng/ul	446171	Phenanthrene-d10	17.54	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91



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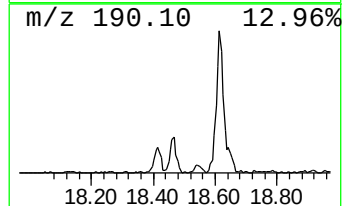
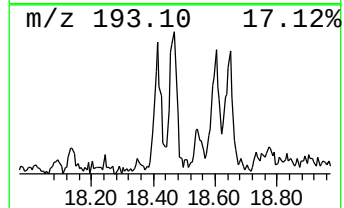
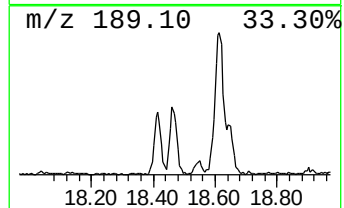
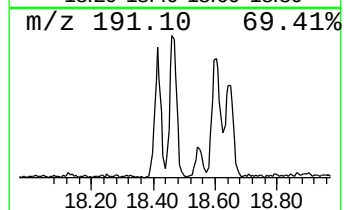
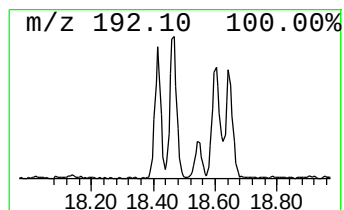
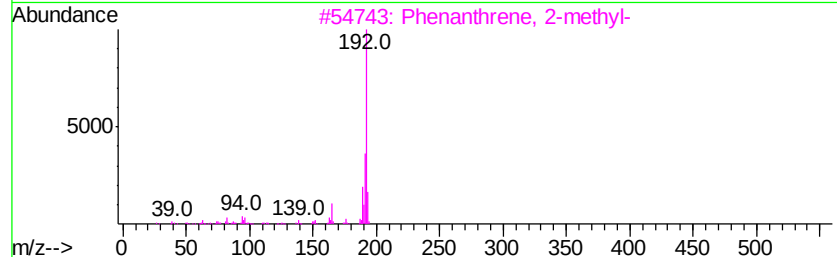
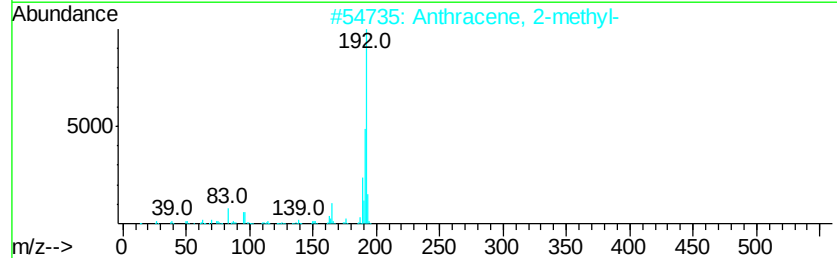
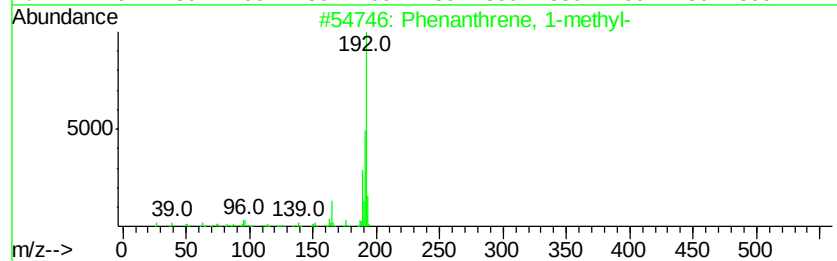
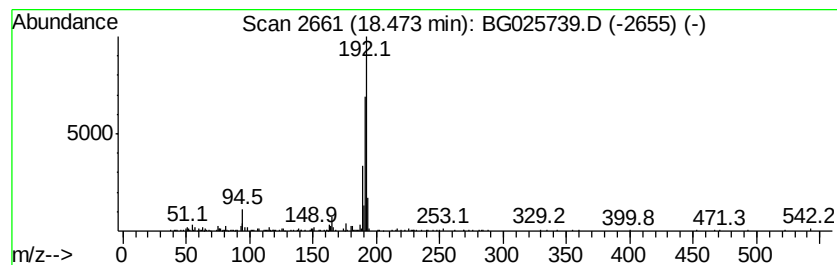
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.47	5.09 ng/ul	418981	Phenanthrene-d10	17.54		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96	
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95	
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92	
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91	
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90	



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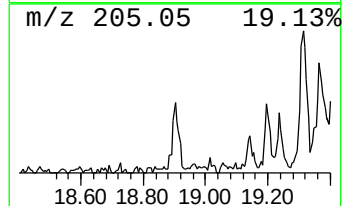
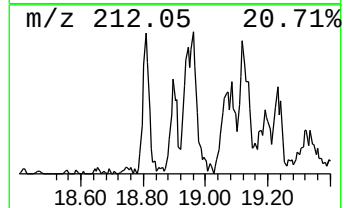
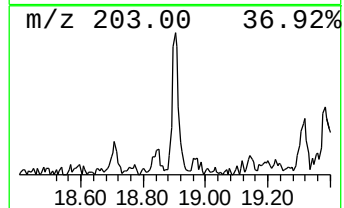
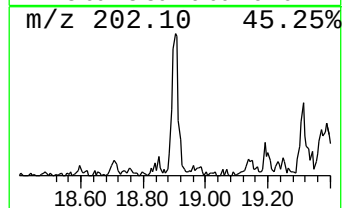
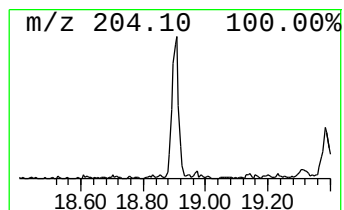
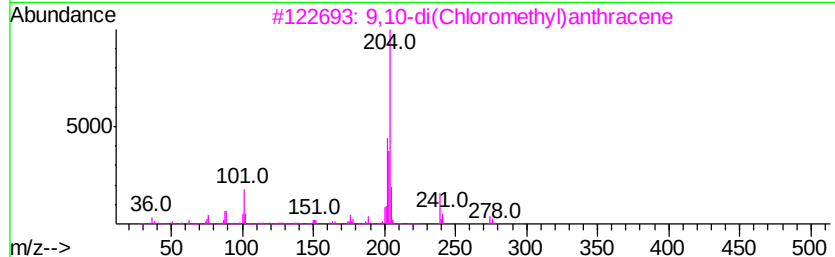
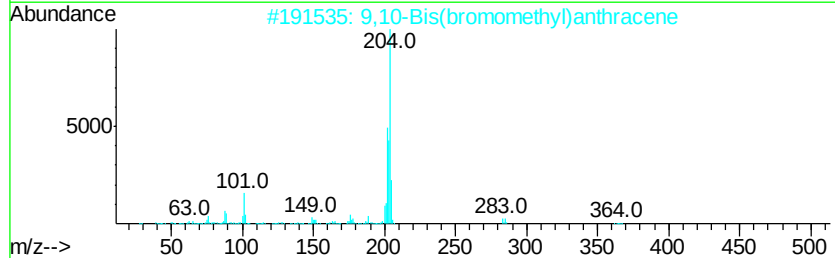
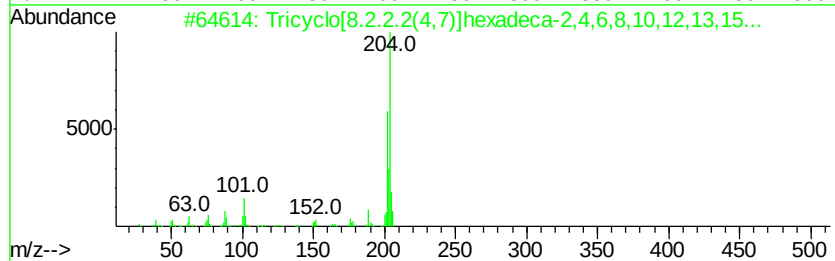
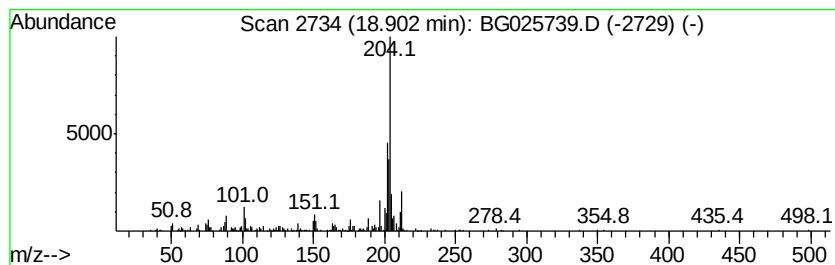
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	2.75 ng/ul	226177	Phenanthrene-d10	17.54

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	78
2		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	68
3		9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	64
4		5,16[1',2'1:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
5		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	64



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Data File : BG025739.D
Acq On : 1 Feb 2017 5:39
Operator : SJ/MA
Sample : I1460-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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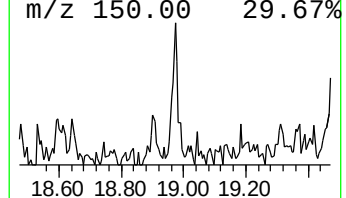
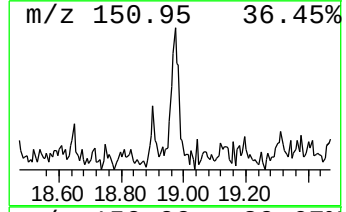
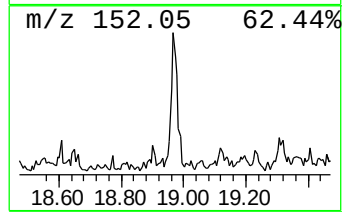
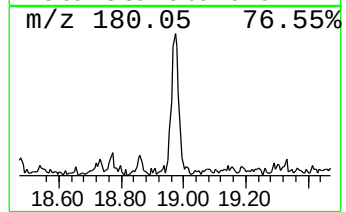
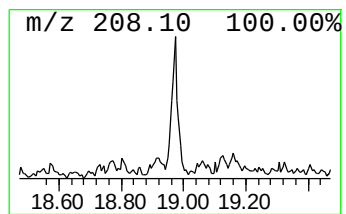
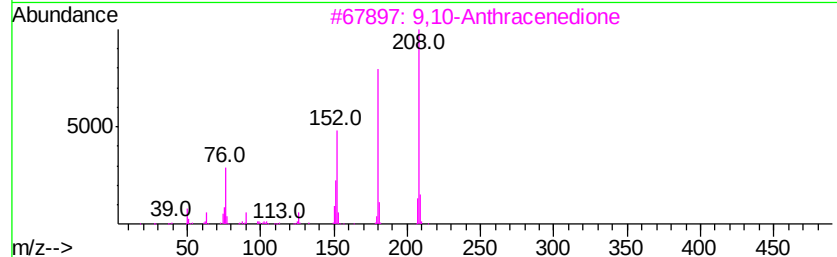
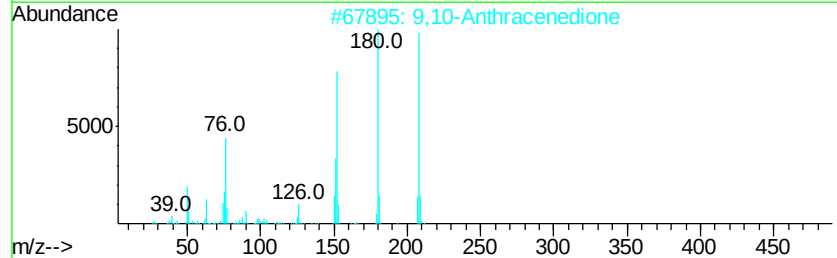
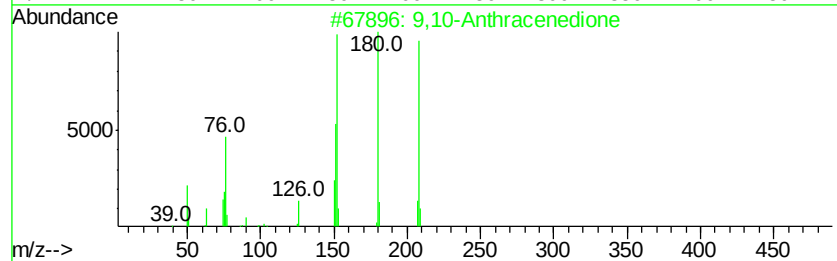
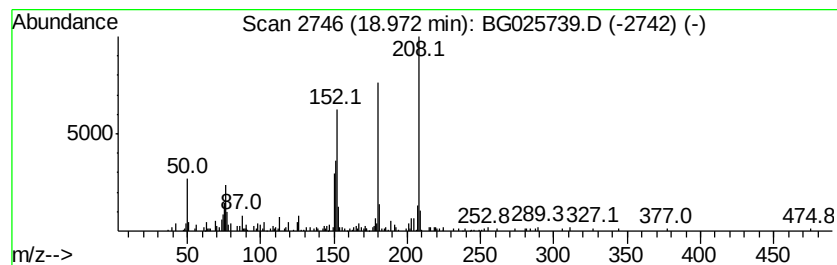
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	2.30 ng/ul	189140	Phenanthrene-d10	17.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2		9,10-Anthracenedione	208	C14H8O2	000084-65-1	76
3		9,10-Anthracenedione	208	C14H8O2	000084-65-1	68
4		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60



Data Path : Z:\HPCHEM1\BNA G\DATA\BG013117\
Data File : BG025739.D
Acq On : 1 Feb 2017 5:39
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Sample : I1460-13
Misc :
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Instrument :
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ClientSampleId :
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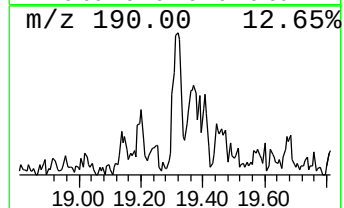
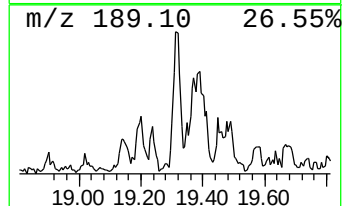
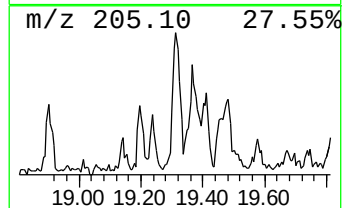
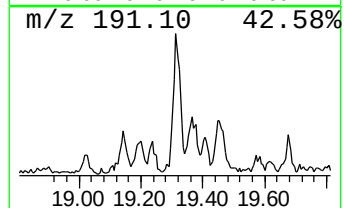
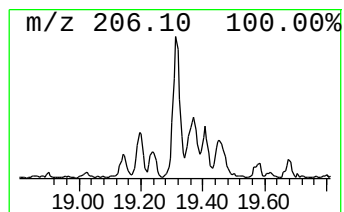
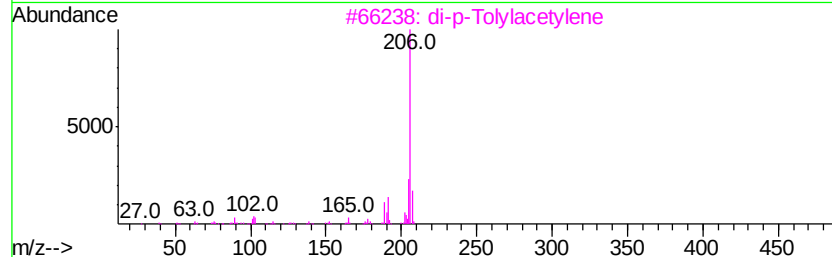
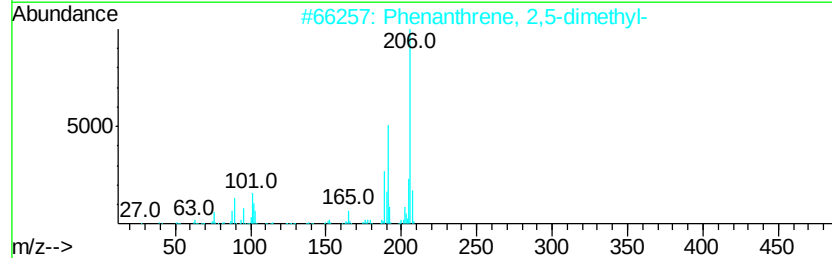
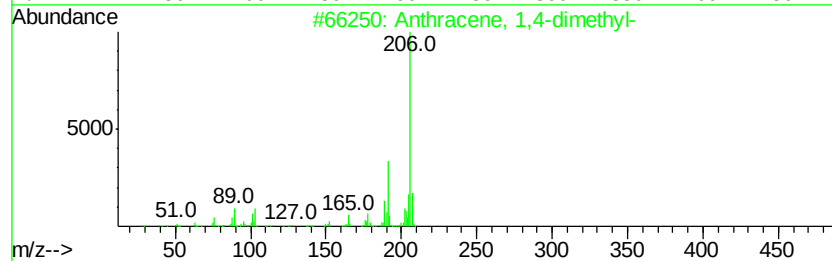
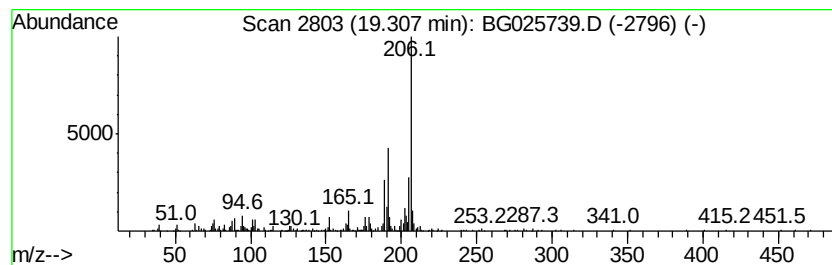
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Anthracene, 1,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.31	4.71 ng/ul	387448	Phenanthrene-d10	17.54

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	80
3		di-p-Tolylacetylene	206	C16H14	002789-88-0	76
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	72
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	70



Data Path : Z:\HPCHEM1\BNA G\DATA\BG013117\
Data File : BG025739.D
Acq On : 1 Feb 2017 5:39
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Sample : I1460-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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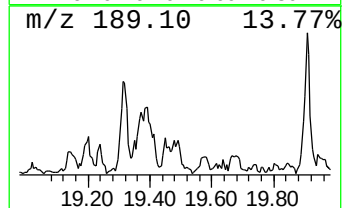
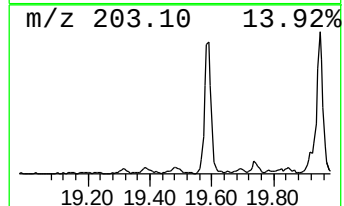
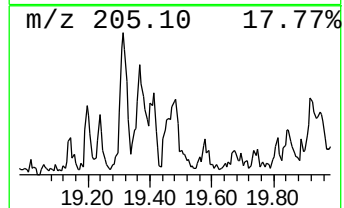
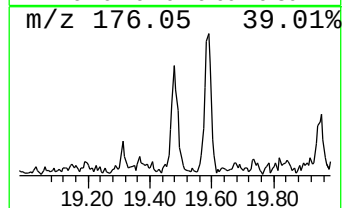
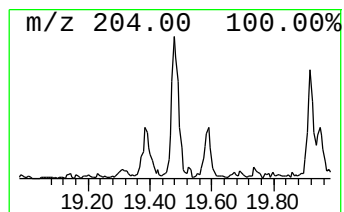
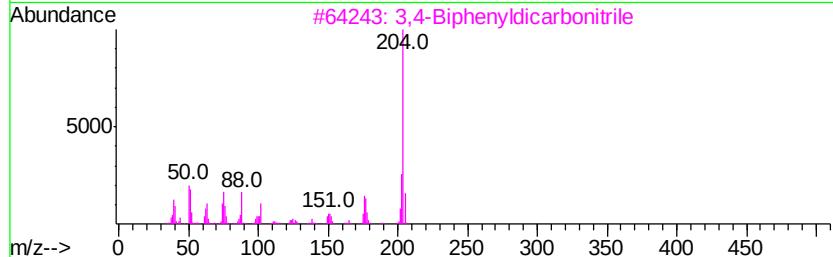
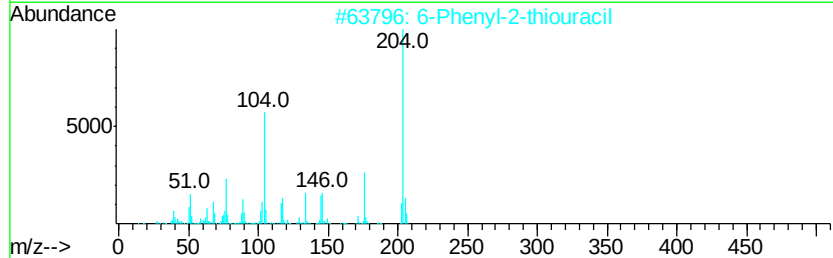
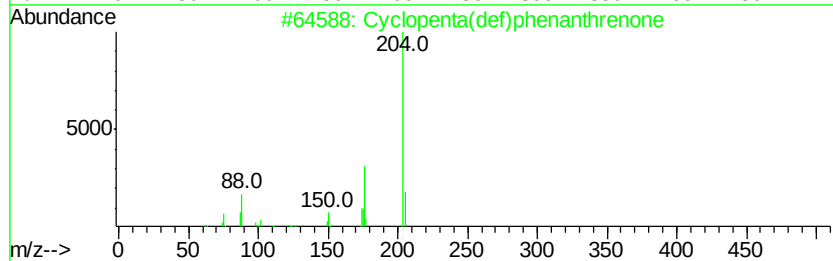
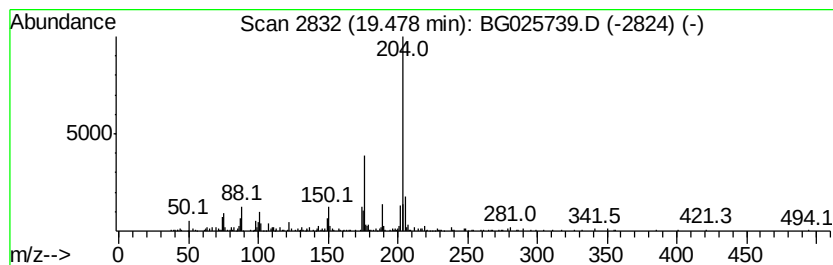
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.48	3.72 ng/ul	305595	Phenanthrene-d10	17.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2		6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	53
3		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
4		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
5		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	46



Data Path : Z:\HPCHEM1\BNA G\DATA\BG013117\
Data File : BG025739.D
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Sample : I1460-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

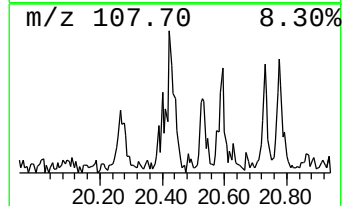
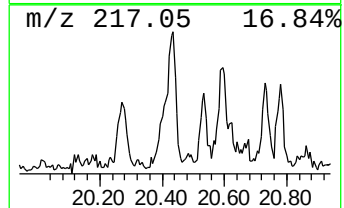
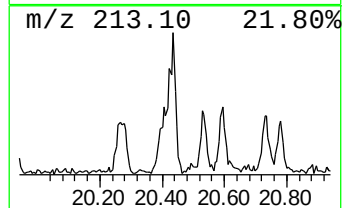
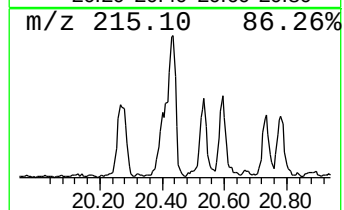
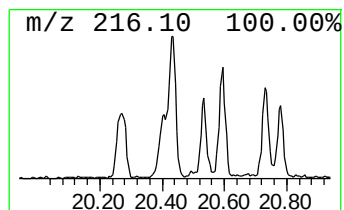
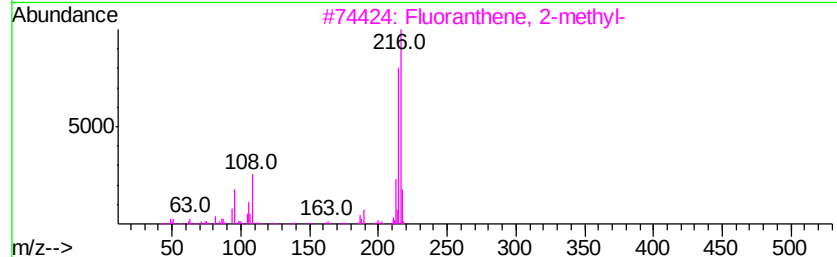
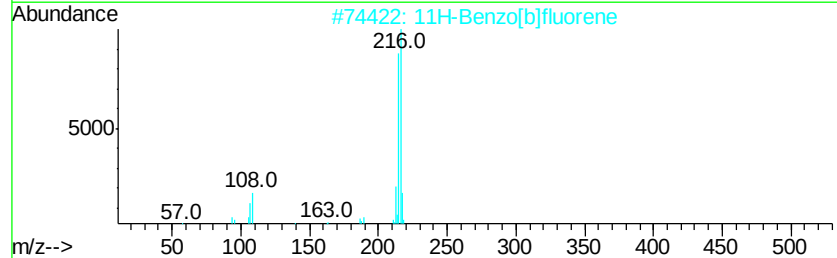
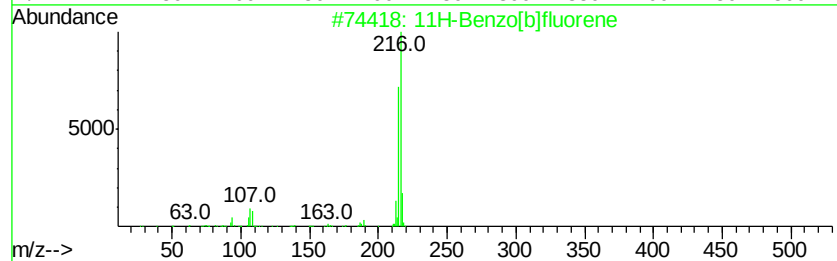
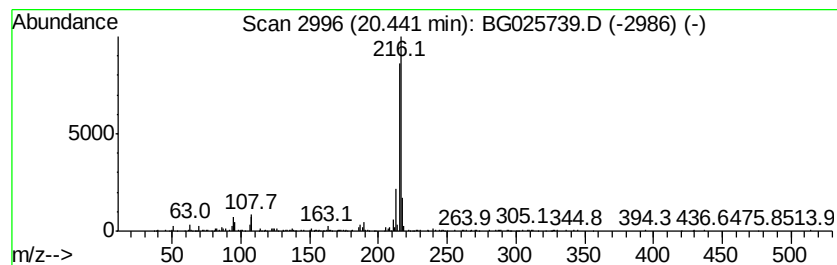
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION

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

Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.44	4.03 ng/ul	794508	Chrysene-d12	21.83
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	11H-Benzo[b]fluorene	216 C17H12	000243-17-4	90
2	11H-Benzo[b]fluorene	216 C17H12	000243-17-4	87
3	Fluoranthene, 2-methyl-	216 C17H12	033543-31-6	81
4	11H-Benzo[a]fluorene	216 C17H12	000238-84-6	80
5	11H-Benzo[a]fluorene	216 C17H12	000238-84-6	74



Data Path : Z:\HPCHEM1\BNA G\DATA\BG013117\
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Sample : I1460-13
Misc :
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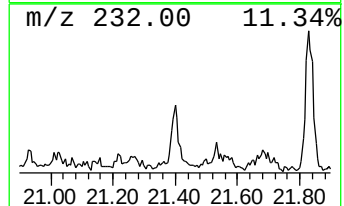
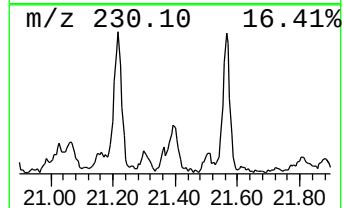
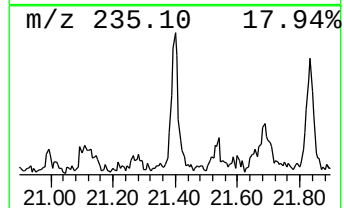
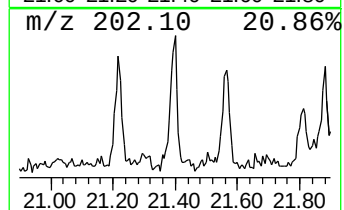
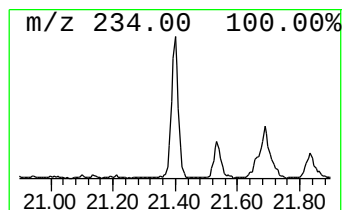
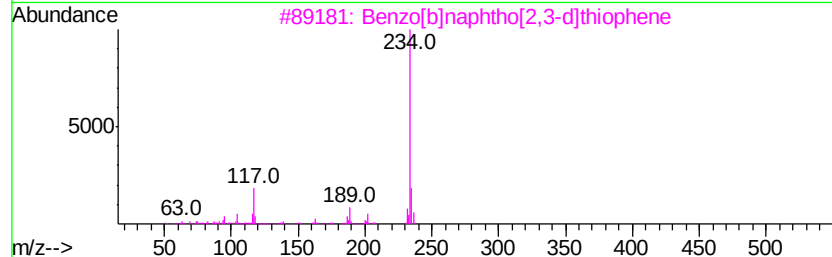
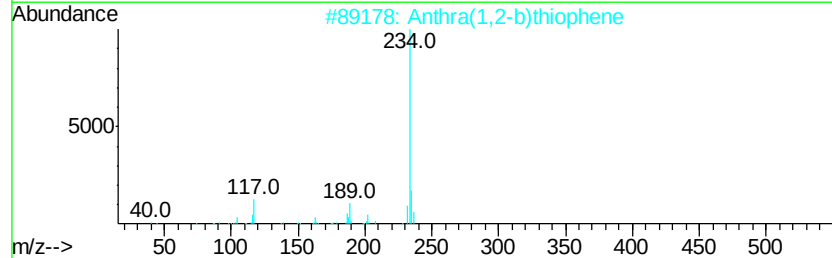
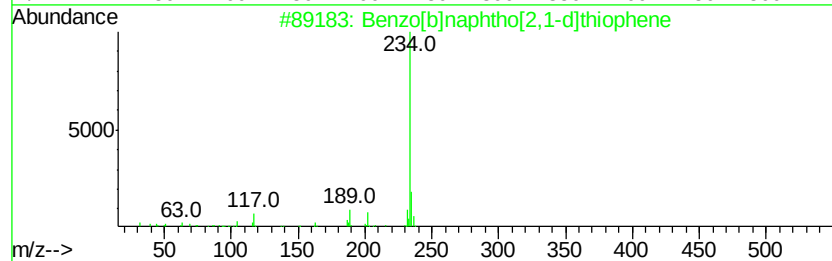
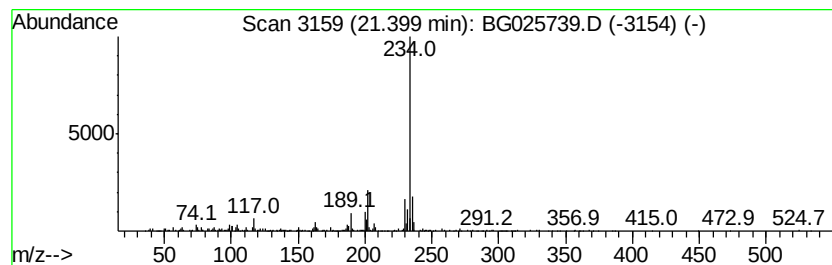
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.40	2.19 ng/ul	432160	Chrysene-d12	21.83
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzo[b]naphtho[2,1-d]thiophene	234 C16H10S	000239-35-0 95
2		Anthra(1,2-b)thiophene	234 C16H10S	000227-86-1 86
3		Benzo[b]naphtho[2,3-d]thiophene	234 C16H10S	000243-46-9 76
4		Benzo[b]naphtho[2,1-d]thiophene	234 C16H10S	000239-35-0 68
5		Benzo[b]naphtho[2,1-d]thiophene	234 C16H10S	000239-35-0 62



Data Path : Z:\HPCHEM1\BNA G\DATA\BG013117\
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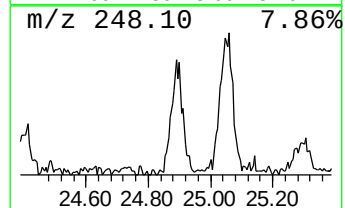
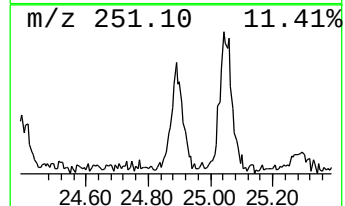
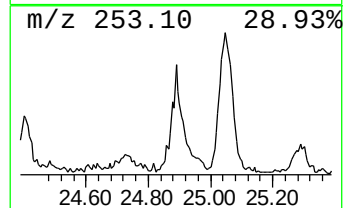
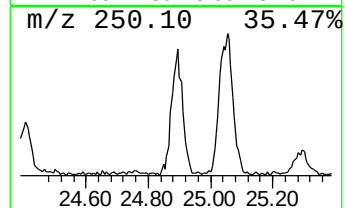
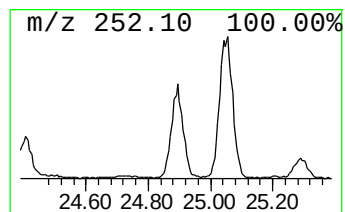
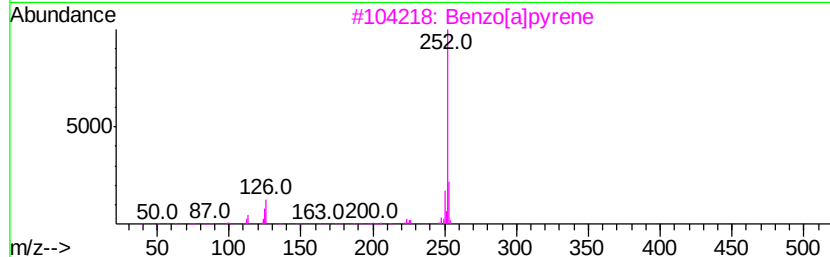
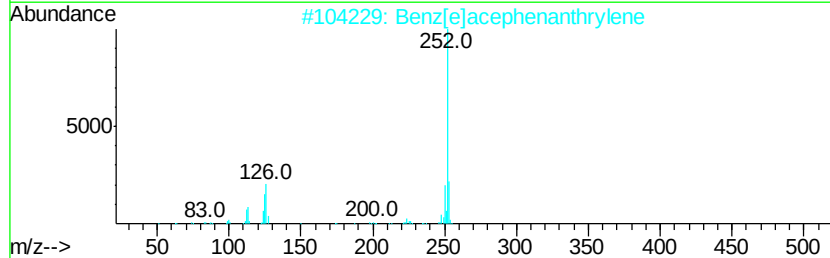
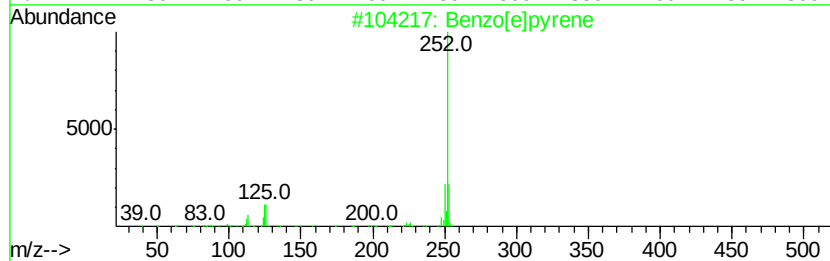
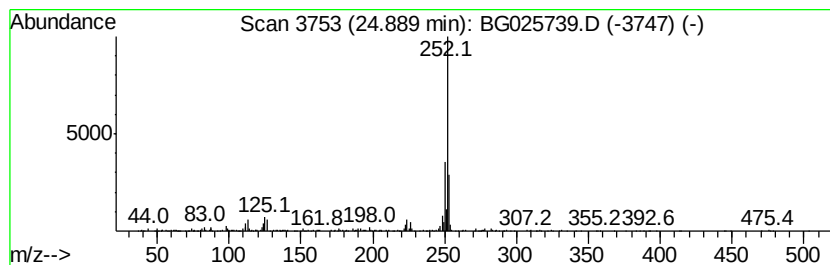
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.89	6.08 ng/ul	586324	Perylene-d12	25.21
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzo[e]pyrene	252 C20H12	000192-97-2 89
2		Benz[e]acephenanthrylene	252 C20H12	000205-99-2 81
3		Benzo[a]pyrene	252 C20H12	000050-32-8 70
4		Benz[e]acephenanthrylene	252 C20H12	000205-99-2 70
5		Benzo[k]fluoranthene	252 C20H12	000207-08-9 68



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG013117\
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Phenanthrene, 1-m...	18.47	5.1	ng/ul	418981	4	17.54	1645110	20.0
Tricyclo[8.2.2.2(...	18.90	2.8	ng/ul	226177	4	17.54	1645110	20.0
9,10-Anthracenedione	18.97	2.3	ng/ul	189140	4	17.54	1645110	20.0
Anthracene, 1,4-d...	19.31	4.7	ng/ul	387448	4	17.54	1645110	20.0
Cyclopenta(def)ph...	19.48	3.7	ng/ul	305595	4	17.54	1645110	20.0
11H-Benzo[b]fluorene	20.44	4.0	ng/ul	794508	5	21.83	3941250	20.0
Benzo[b]naphtho[2...	21.40	2.2	ng/ul	432160	5	21.83	3941250	20.0
Benzo[e]pyrene	24.89	6.1	ng/ul	586324	6	25.21	1930130	20.0