

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
 Data File : BG020316.D
 Acq On : 19 Dec 2015 17:50
 Operator : UM/SJ
 Sample : G4849-09
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N73

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 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: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.633	978	986	996	rVB	332858	565373	1.59%	0.217%
2	11.007	1368	1390	1395	rVV	5070963	14571932	40.93%	5.595%
3	11.089	1399	1404	1411	rVB	308691	525139	1.47%	0.202%
4	12.587	1645	1659	1668	rBV	4035276	8526246	23.95%	3.274%
5	12.793	1681	1694	1701	rVB	2430814	4380774	12.30%	1.682%
6	13.568	1817	1826	1836	rVV	1878302	3088937	8.68%	1.186%
7	13.757	1852	1858	1869	rVB	694069	1340545	3.77%	0.515%
8	13.909	1869	1884	1891	rBV	887469	2463606	6.92%	0.946%
9	14.050	1899	1908	1913	rVV	1199723	2312428	6.49%	0.888%
10	14.103	1913	1917	1926	rVV2	915831	1599780	4.49%	0.614%
11	14.285	1936	1948	1951	rBV	560277	904846	2.54%	0.347%
12	14.450	1964	1976	1982	rBV2	638952	1302668	3.66%	0.500%
13	14.714	2015	2021	2029	rVV2	864777	1511251	4.24%	0.580%
14	14.832	2029	2041	2045	rVV	5984332	15017864	42.18%	5.766%
15	14.873	2045	2048	2052	rVV	447766	609582	1.71%	0.234%
16	14.932	2052	2058	2067	rVV2	236295	573488	1.61%	0.220%
17	15.037	2067	2076	2081	rVV	441092	765650	2.15%	0.294%
18	15.155	2086	2096	2100	rVV2	4532354	9983251	28.04%	3.833%
19	15.196	2100	2103	2118	rVB	310621	534935	1.50%	0.205%
20	15.337	2118	2127	2132	rBV3	255100	487626	1.37%	0.187%
21	15.390	2132	2136	2148	rVB2	269905	455374	1.28%	0.175%
22	15.507	2148	2156	2160	rBV	189252	437229	1.23%	0.168%
23	15.701	2185	2189	2196	rVV3	228115	603504	1.70%	0.232%
24	15.807	2196	2207	2212	rVV	5504833	13200822	37.08%	5.068%
25	15.878	2212	2219	2221	rVV	454053	775139	2.18%	0.298%
26	15.907	2221	2224	2226	rVV	726799	1001061	2.81%	0.384%
27	15.942	2226	2230	2235	rVV3	1255863	2107019	5.92%	0.809%
28	15.989	2235	2238	2241	rVV2	315636	495481	1.39%	0.190%
29	16.030	2241	2245	2248	rVV	687752	1100349	3.09%	0.422%
30	16.071	2248	2252	2259	rVV	1353267	2024050	5.68%	0.777%
31	16.218	2259	2277	2284	rVV	1427116	3309292	9.29%	1.271%
32	16.306	2289	2292	2297	rVB	267202	372554	1.05%	0.143%
33	16.565	2326	2336	2343	rBV	841484	1390371	3.91%	0.534%
34	16.776	2359	2372	2376	rBV2	1122205	2478806	6.96%	0.952%

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35	16.823	2376	2380	2385	rVV2	370132	554149	1.56%	0.213%
36	16.923	2391	2397	2402	rVB2	438796	771992	2.17%	0.296%
37	17.041	2413	2417	2421	rVB2	308777	435198	1.22%	0.167%
38	17.123	2428	2431	2439	rVB4	141966	346880	0.97%	0.133%
39	17.205	2439	2445	2454	rVV3	475881	1356938	3.81%	0.521%
40	17.299	2454	2461	2471	rVB	2017634	3556079	9.99%	1.365%
41	17.593	2487	2511	2514	rBV	8832451	35603773	100.00%	13.670%
42	17.646	2516	2520	2524	rVB	2998846	4155663	11.67%	1.596%
43	17.887	2548	2561	2569	rBV	1877448	3834162	10.77%	1.472%
44	17.993	2575	2579	2587	rBV2	511386	861857	2.42%	0.331%
45	18.063	2587	2591	2598	rVB4	241106	457650	1.29%	0.176%
46	18.198	2606	2614	2623	rVB	218697	553614	1.55%	0.213%
47	18.357	2630	2641	2645	rBV	1919544	3307067	9.29%	1.270%
48	18.410	2645	2650	2655	rVB	2672135	4123897	11.58%	1.583%
49	18.492	2655	2664	2669	rBV	881463	1616062	4.54%	0.620%
50	18.563	2669	2676	2685	rVV3	3413225	7868024	22.10%	3.021%
51	18.645	2685	2690	2694	rVV4	237278	428293	1.20%	0.164%
52	18.692	2694	2698	2702	rVV2	261860	385850	1.08%	0.148%
53	18.780	2710	2713	2718	rVV3	211810	403918	1.13%	0.155%
54	18.845	2718	2724	2729	rVV	1749837	2561970	7.20%	0.984%
55	18.903	2729	2734	2740	rVV	261060	447218	1.26%	0.172%
56	19.086	2760	2765	2769	rVB3	371980	517156	1.45%	0.199%
57	19.174	2776	2780	2784	rVB3	254345	350171	0.98%	0.134%
58	19.256	2788	2794	2799	rBV	524565	1017325	2.86%	0.391%
59	19.321	2802	2805	2814	rVB2	337137	718437	2.02%	0.276%
60	19.573	2834	2848	2853	rVV	7412866	21172073	59.47%	8.129%
61	19.626	2853	2857	2864	rVB4	312300	553205	1.55%	0.212%
62	19.773	2877	2882	2888	rVB	511154	791801	2.22%	0.304%
63	19.902	2893	2904	2905	rBV2	5431615	10783365	30.29%	4.140%
64	19.926	2906	2908	2912	rVV2	6195337	7597517	21.34%	2.917%
65	19.961	2912	2914	2921	rVB2	637903	683577	1.92%	0.262%
66	20.067	2926	2932	2937	rVB	809379	1172212	3.29%	0.450%
67	20.131	2937	2943	2949	rVB	239470	421633	1.18%	0.162%
68	20.202	2949	2955	2956	rBV2	687767	1033469	2.90%	0.397%
69	20.261	2962	2965	2972	rVB	394635	500262	1.41%	0.192%
70	20.343	2972	2979	2981	rBV2	721352	1267134	3.56%	0.487%
71	20.384	2981	2986	2990	rVB	2126121	3146222	8.84%	1.208%

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72	20.484	2995	3003	3006	rBV	2366412	3722813	10.46%	1.429%
73	20.537	3006	3012	3015	rVV2	664273	1389270	3.90%	0.533%
74	20.572	3015	3018	3021	rVV2	454813	532444	1.50%	0.204%
75	20.607	3021	3024	3030	rVB2	235298	367502	1.03%	0.141%
76	20.672	3031	3035	3039	rBV	363428	529595	1.49%	0.203%
77	20.719	3039	3043	3046	rVB2	318134	380798	1.07%	0.146%
78	20.895	3069	3073	3077	rBV	349026	478608	1.34%	0.184%
79	20.995	3087	3090	3096	rVB4	202081	379069	1.06%	0.146%
80	21.089	3101	3106	3111	rBV	279001	533448	1.50%	0.205%
81	21.142	3111	3115	3121	rVV3	186395	354379	1.00%	0.136%
82	21.324	3141	3146	3150	rBV	643275	1074432	3.02%	0.413%
83	21.371	3150	3154	3158	rVV	699968	1078169	3.03%	0.414%
84	21.418	3158	3162	3167	rVV2	590589	1062535	2.98%	0.408%
85	21.606	3185	3194	3202	rBV	202112	521248	1.46%	0.200%
86	21.747	3206	3218	3223	rVV2	2856244	6543352	18.38%	2.512%
87	21.818	3224	3230	3240	rVB	2325264	4389933	12.33%	1.685%
88	21.959	3249	3254	3262	rBV	643586	1108179	3.11%	0.425%
89	22.164	3282	3289	3296	rVV2	363508	732841	2.06%	0.281%
90	22.393	3317	3328	3335	rBV3	168598	560963	1.58%	0.215%
91	22.487	3336	3344	3350	rVV	309601	806503	2.27%	0.310%
92	22.816	3396	3400	3408	rVB3	251329	505489	1.42%	0.194%
93	22.905	3408	3415	3428	rVB3	141550	361939	1.02%	0.139%
94	23.997	3589	3601	3607	rBV	729543	2494515	7.01%	0.958%
95	24.244	3635	3643	3651	rVB	145600	348689	0.98%	0.134%
96	24.726	3715	3725	3732	rBV	312884	903280	2.54%	0.347%
97	24.879	3743	3751	3763	rVV	513859	1478463	4.15%	0.568%
98	25.020	3765	3775	3782	rVV2	186102	619558	1.74%	0.238%
99	25.102	3783	3789	3802	rVB2	144702	451741	1.27%	0.173%
100	28.751	4394	4410	4432	rVB2	107288	571165	1.60%	0.219%

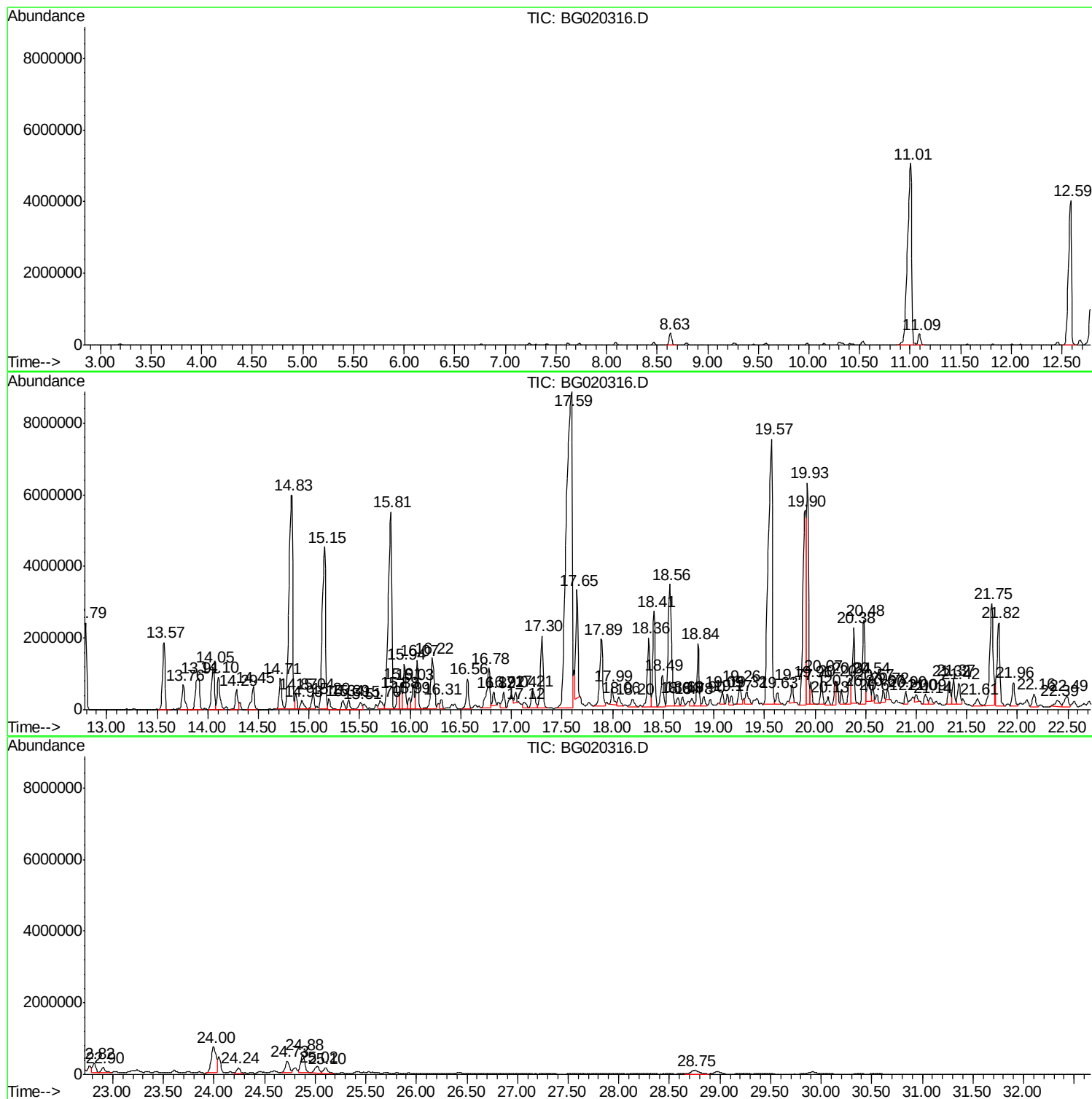
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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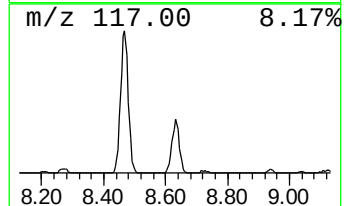
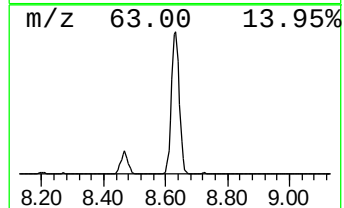
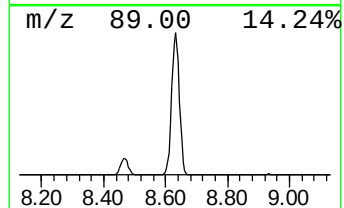
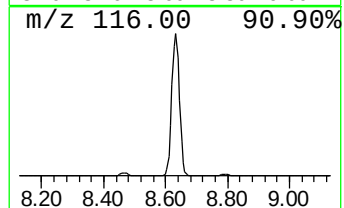
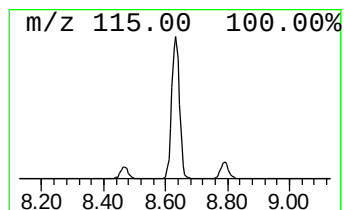
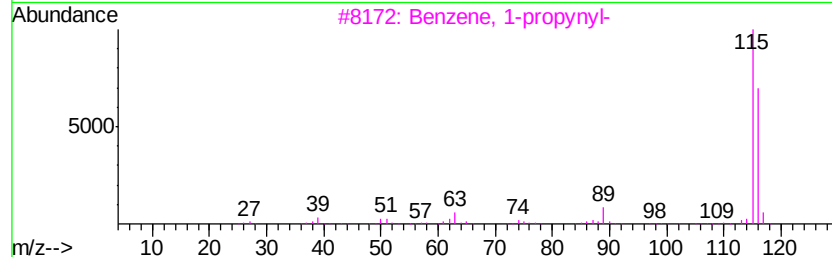
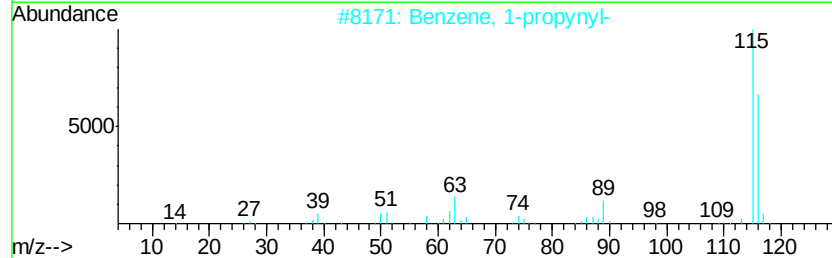
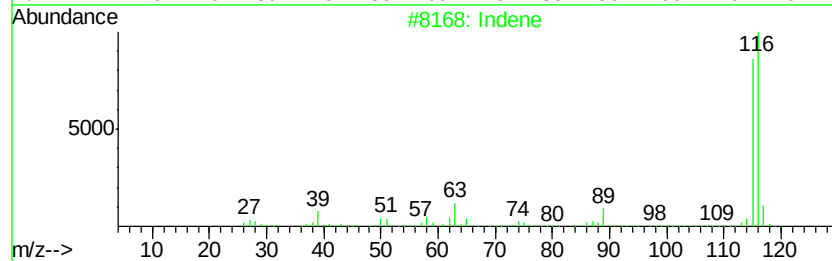
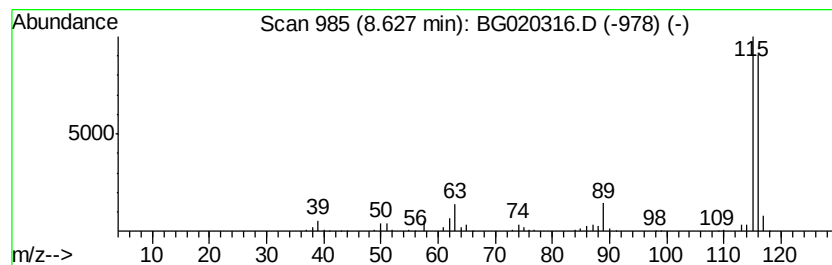
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Indene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.63	20.00 ng/ul	565373	1,4-Dichlorobenzene-d4	8.09	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Indene	116	C9H8	000095-13-6	91



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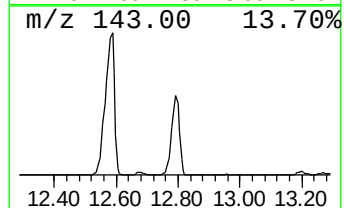
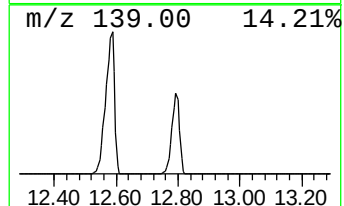
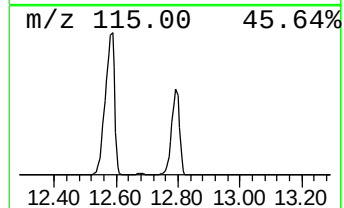
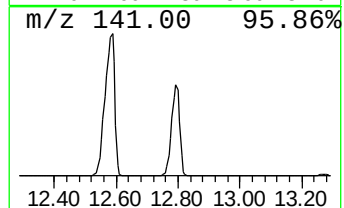
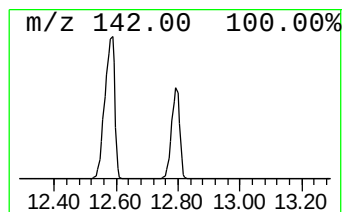
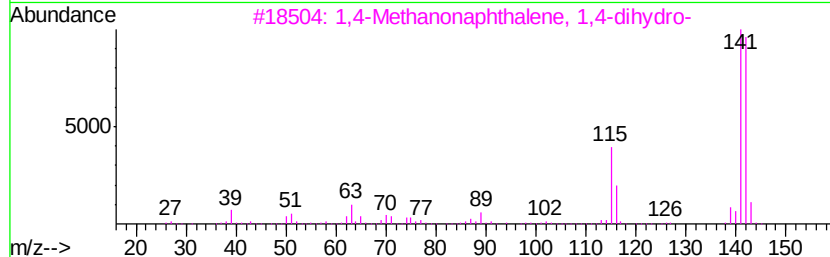
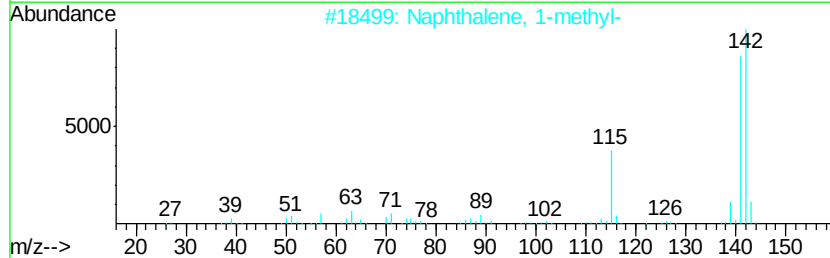
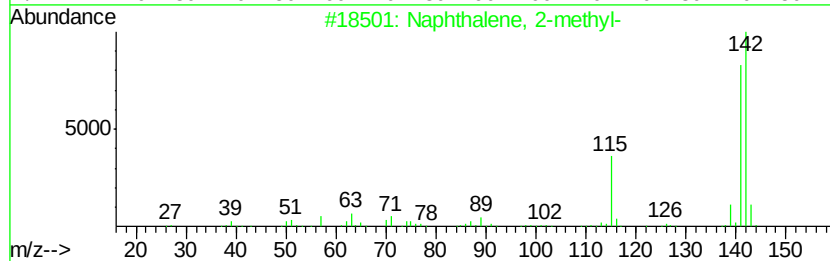
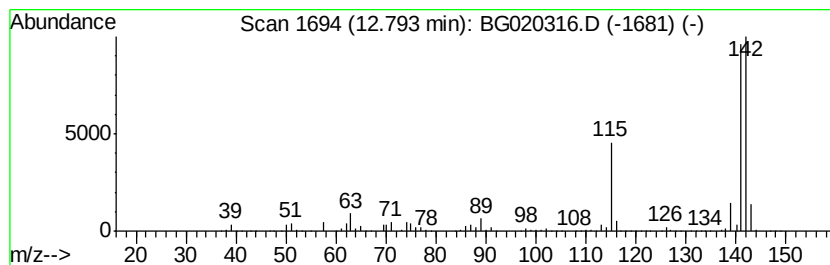
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	6.01 ng/ul	4380770	Naphthalene-d8	10.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3		1,4-Methanonaphthalene, 1,4-dihv...	142	C11H10	004453-90-1	94
4		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5		Benzocycloheptatriene	142	C11H10	000264-09-5	94



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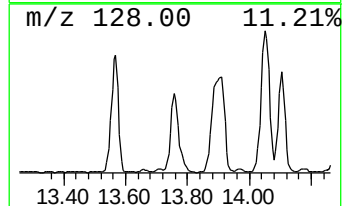
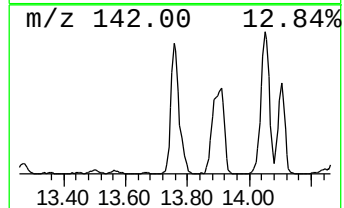
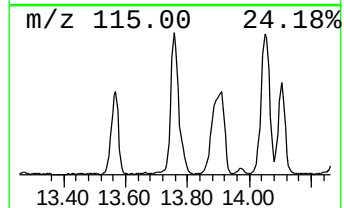
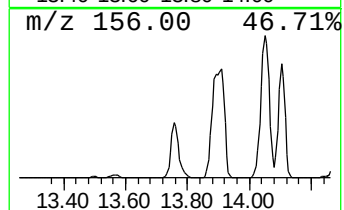
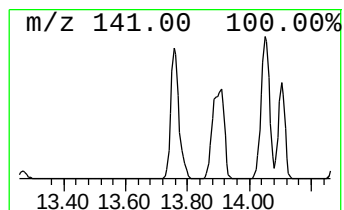
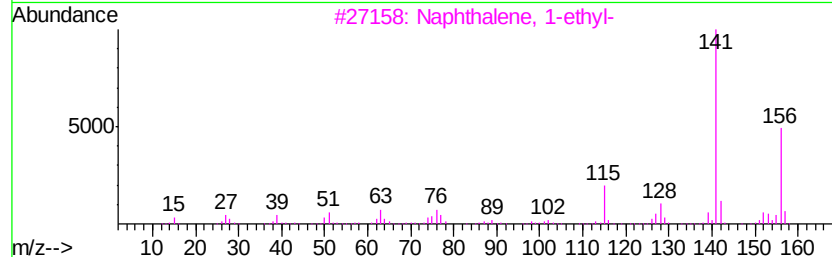
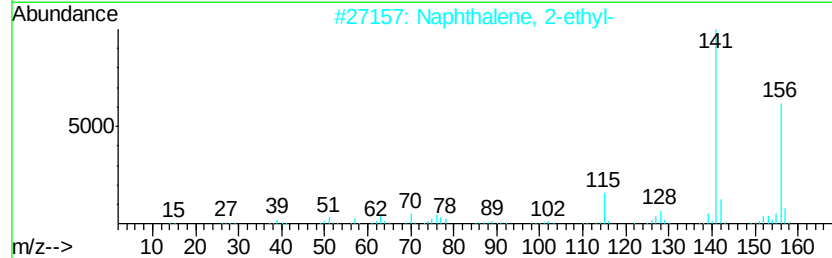
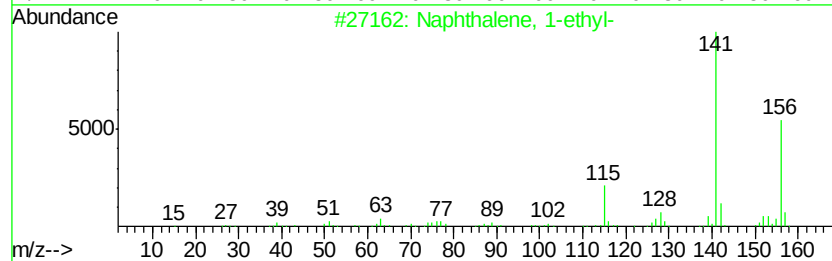
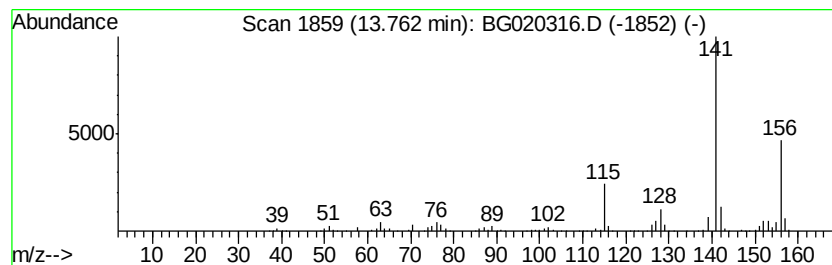
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Peak Number 3 Naphthalene, 1-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	17.74 ng/ul	1340550	Acenaphthene-d10	14.73
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1-ethyl-	156 C12H12	001127-76-0 97
2		Naphthalene, 2-ethyl-	156 C12H12	000939-27-5 94
3		Naphthalene, 1-ethyl-	156 C12H12	001127-76-0 94
4		Naphthalene, 2-ethyl-	156 C12H12	000939-27-5 93
5		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 91



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
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Acq On : 19 Dec 2015 17:50
Operator : UM/SJ
Sample : G4849-09
Misc :
ALS Vial : 47 Sample Multiplier: 1

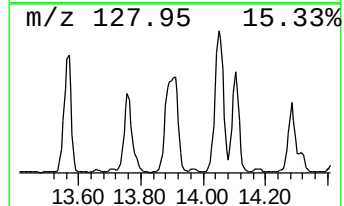
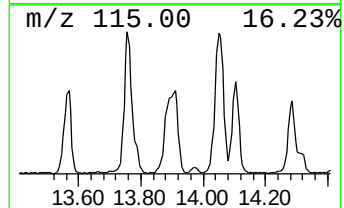
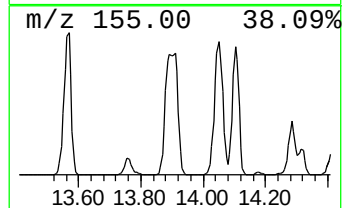
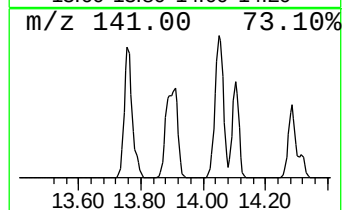
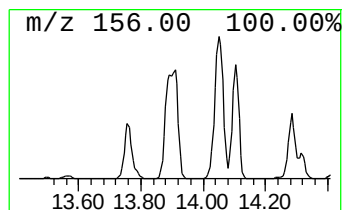
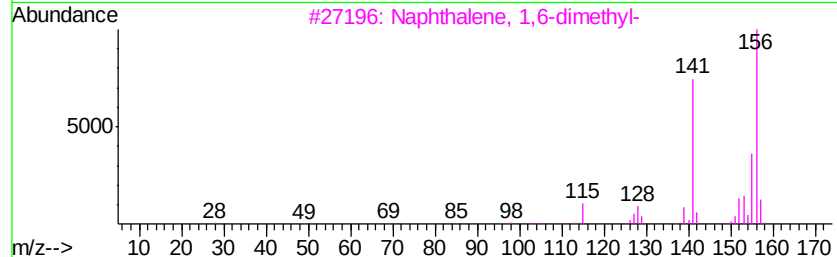
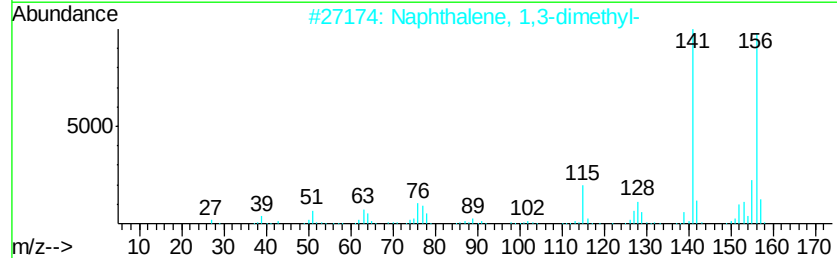
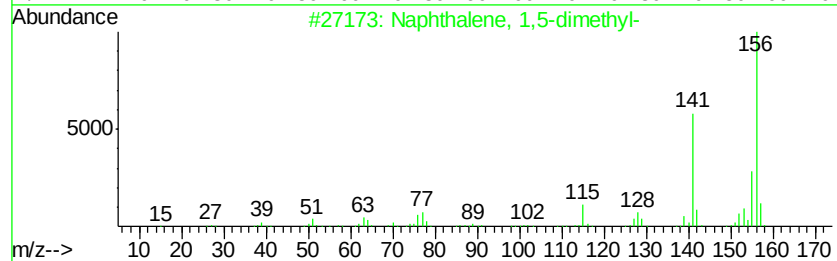
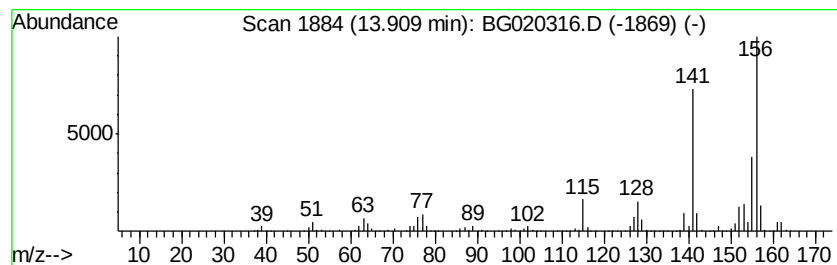
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 1,5-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	32.60 ng/ul	2463610	Acenaphthene-d10	14.73
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9 97
2		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 96
3		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 96
4		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 96
5		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 96



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020316.D
Acq On : 19 Dec 2015 17:50
Operator : UM/SJ
Sample : G4849-09
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Instrument :
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ClientSampleId :
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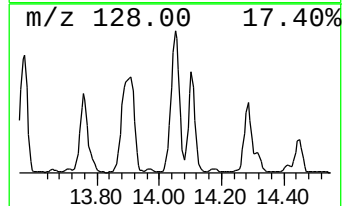
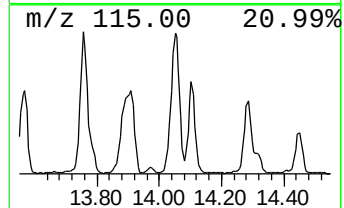
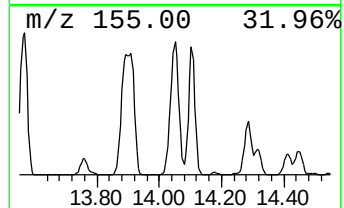
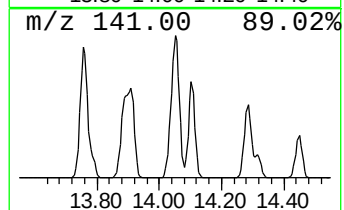
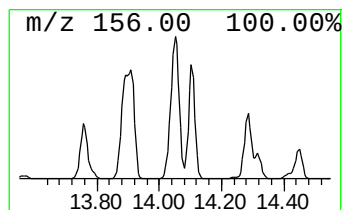
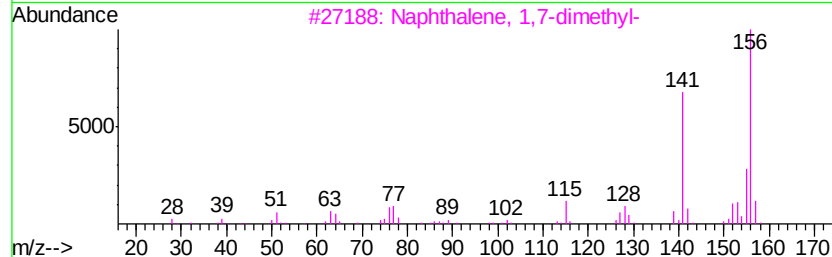
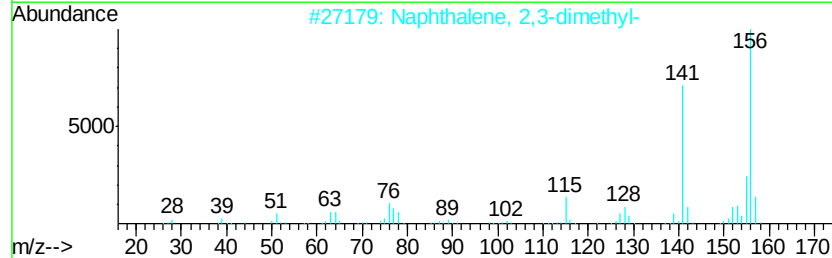
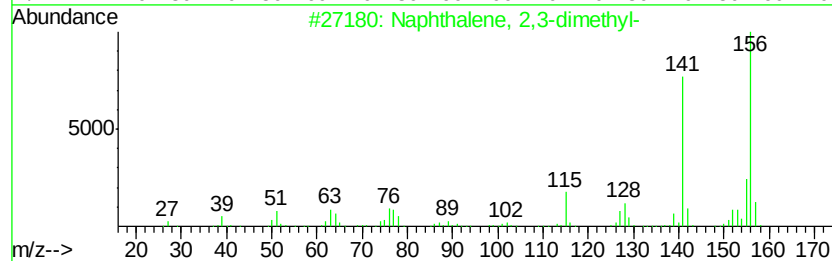
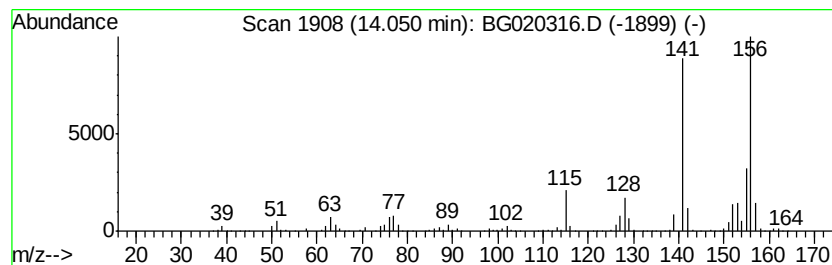
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.05	30.60 ng/ul	2312430	Acenaphthene-d10	14.73

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020316.D
Acq On : 19 Dec 2015 17:50
Operator : UM/SJ
Sample : G4849-09
Misc :
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Instrument :
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ClientSampleId :
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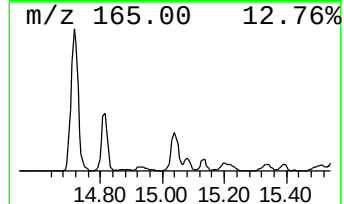
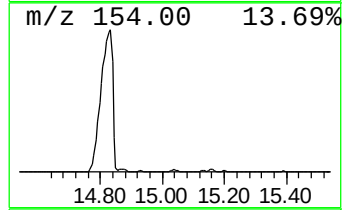
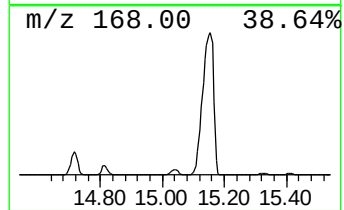
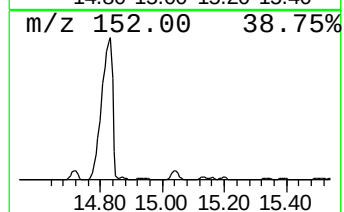
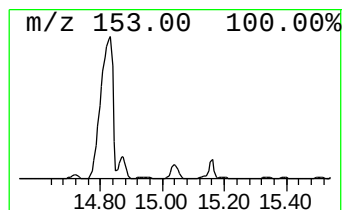
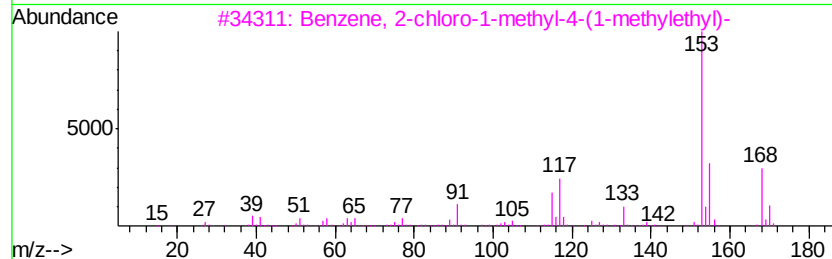
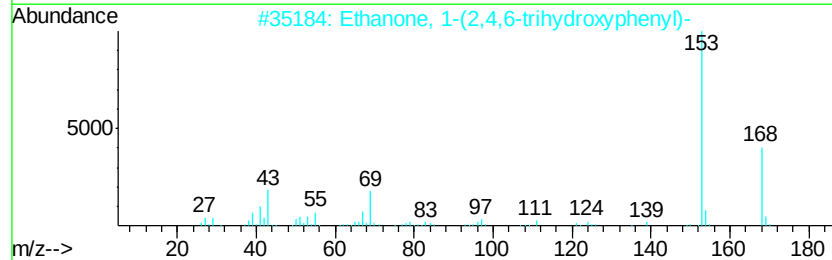
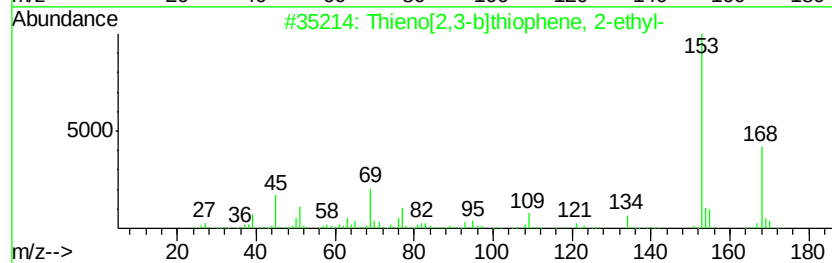
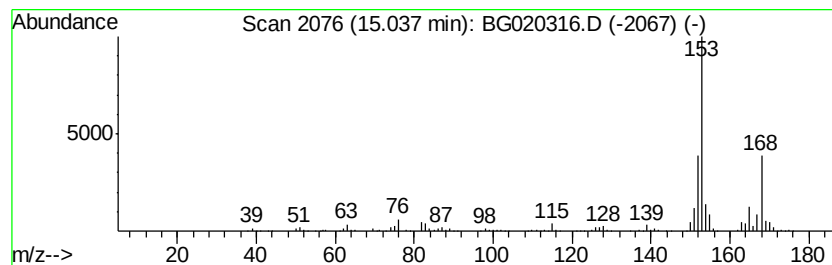
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Thieno[2,3-b]thiophene, 2-e... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	10.13 ng/ul	765650	Acenaphthene-d10	14.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	53
2		Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	52
3		Benzene, 2-chloro-1-methyl-4-(1-...	168	C10H13Cl	004395-79-3	50
4		Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	50
5		Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020316.D
Acq On : 19 Dec 2015 17:50
Operator : UM/SJ
Sample : G4849-09
Misc :
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ClientSampleId :
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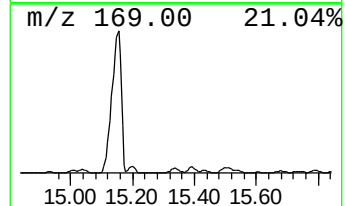
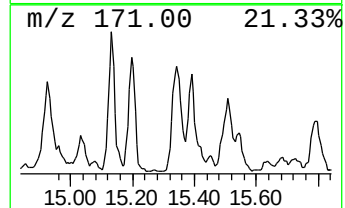
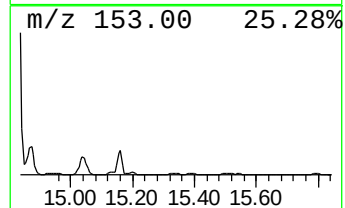
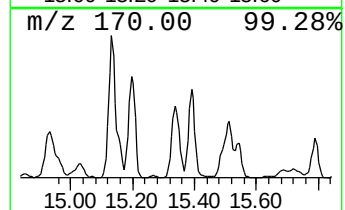
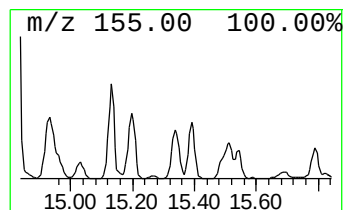
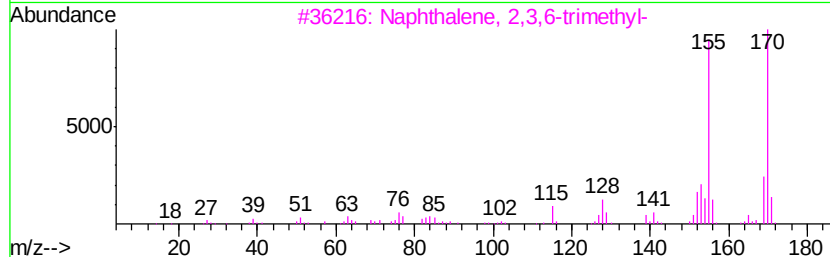
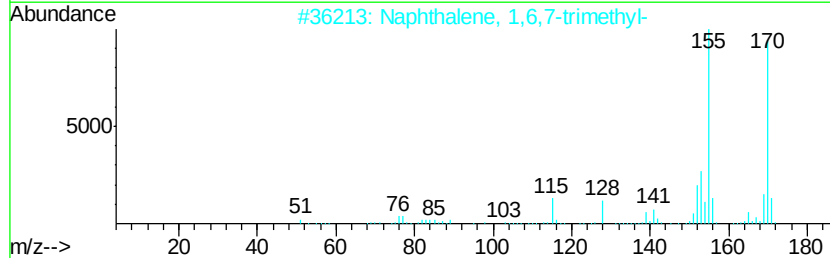
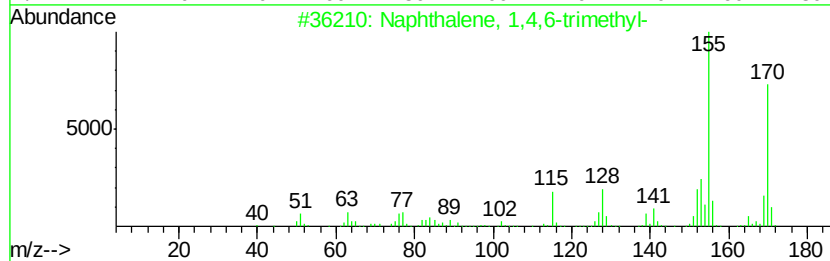
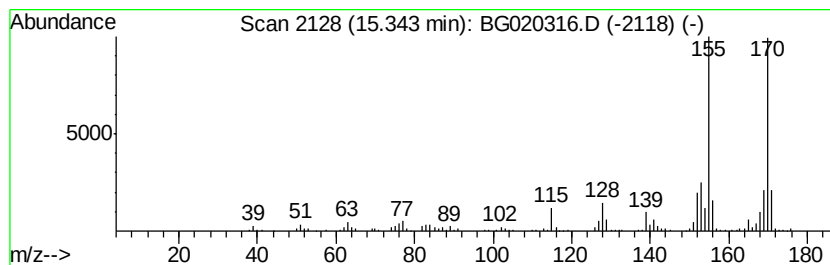
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Naphthalene, 1,4,6-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	6.45 ng/ul	487626	Acenaphthene-d10	14.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
5		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020316.D
Acq On : 19 Dec 2015 17:50
Operator : UM/SJ
Sample : G4849-09
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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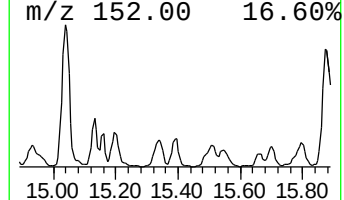
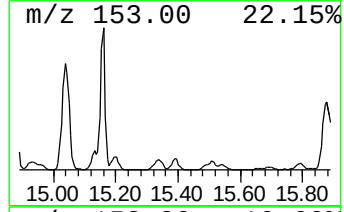
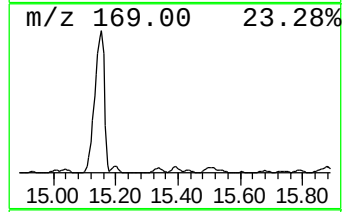
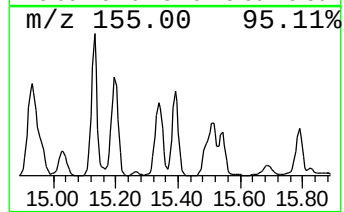
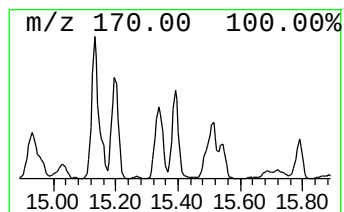
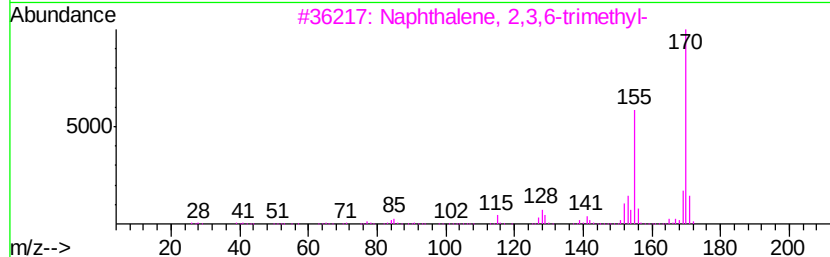
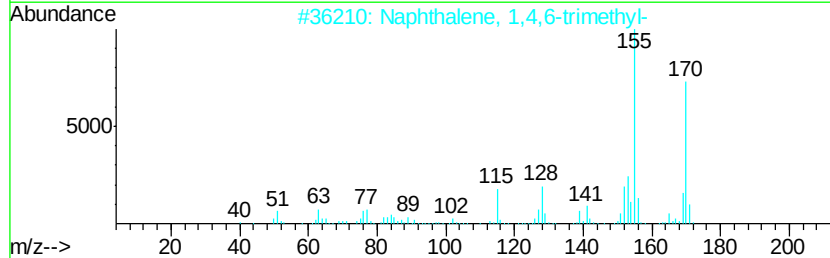
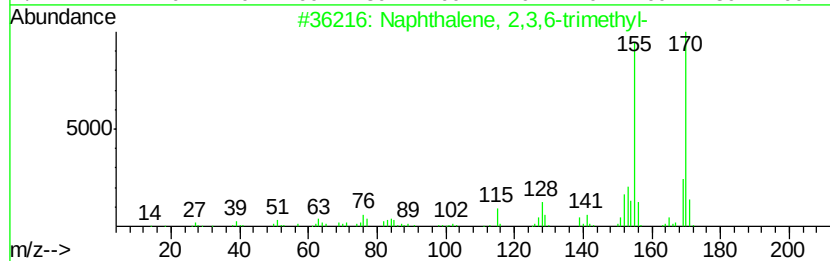
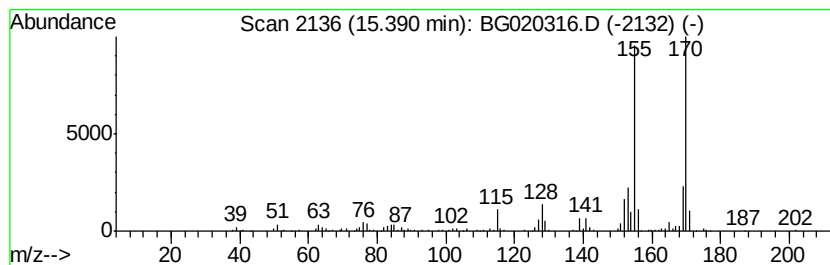
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Naphthalene, 2,3,6-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	6.03 ng/ul	455374	Acenaphthene-d10	14.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
5		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
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Sample : G4849-09
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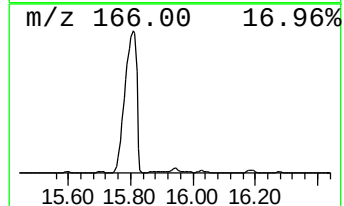
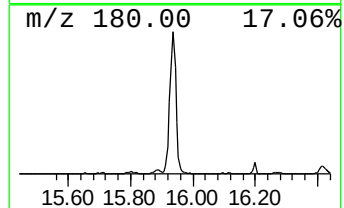
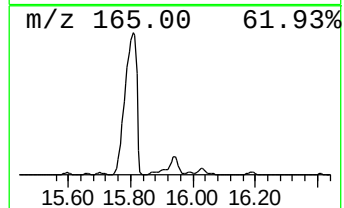
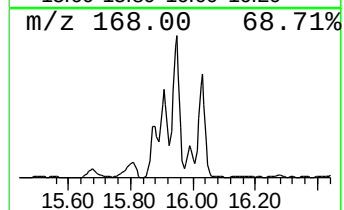
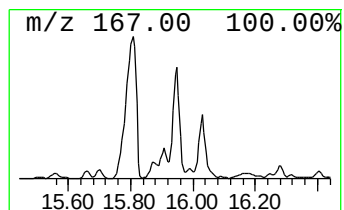
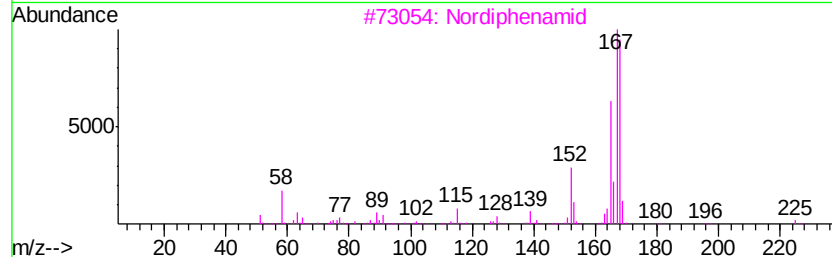
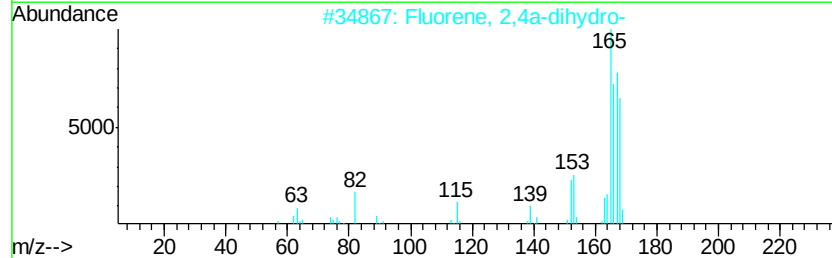
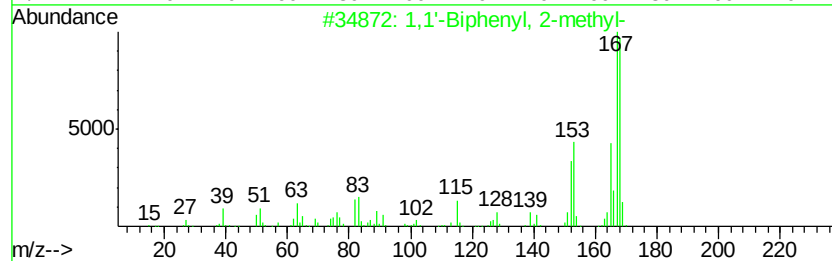
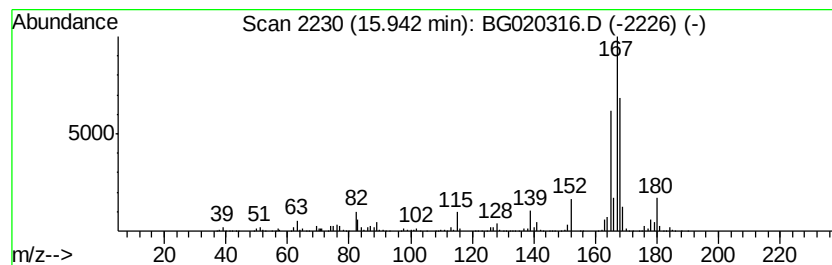
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 1,1'-Biphenyl, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.94	27.88 ng/ul	2107020	Acenaphthene-d10	14.73	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	52
2	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	52
3	Nordiphenamid	225	C15H15NO	000954-21-2	49
4	Nordiphenamid	225	C15H15NO	000954-21-2	47
5	Benzene, 1,1'-(chloromethylene)bis-	202	C13H11Cl	000090-99-3	47



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020316.D
Acq On : 19 Dec 2015 17:50
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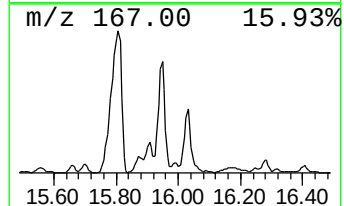
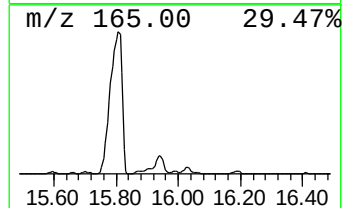
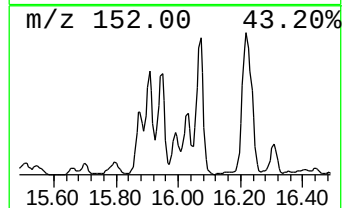
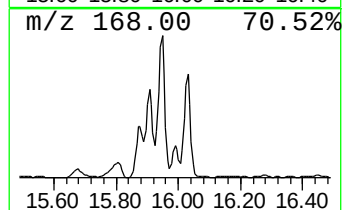
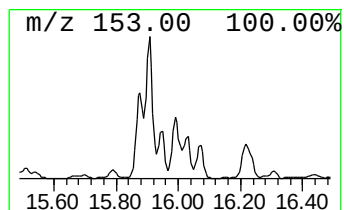
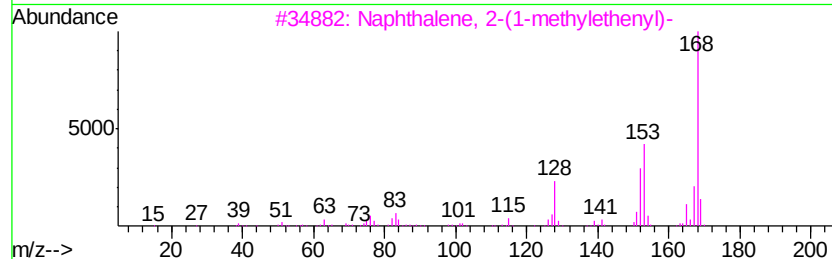
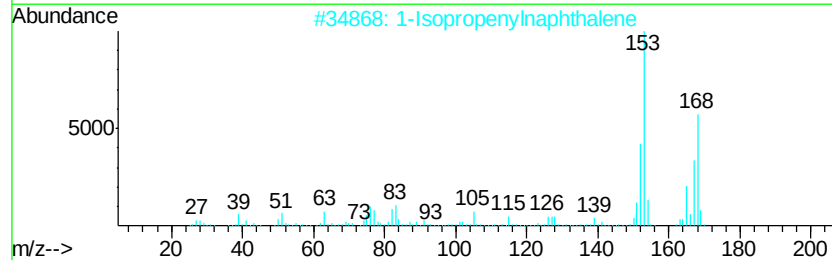
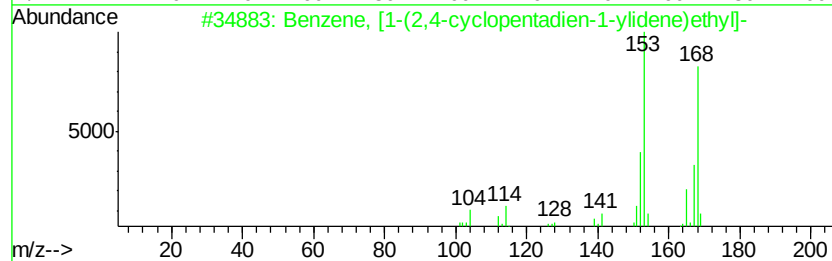
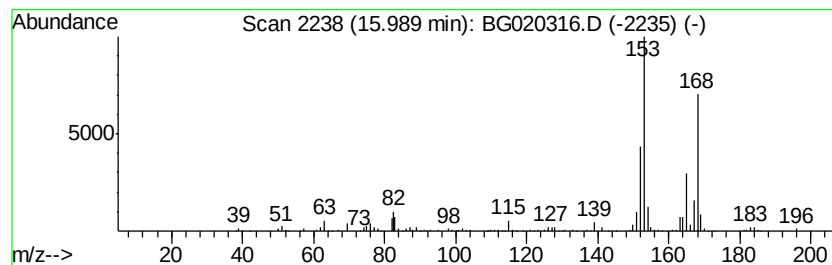
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Benzene, [1-(2,4-cyclopenta... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	6.56 ng/ul	495481	Acenaphthene-d10	14.73

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	74
2			1-Isopropenylnaphthalene	168	C13H12	001855-47-6	64
3			Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	58
4			1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	50
5			Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	50



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020316.D
Acq On : 19 Dec 2015 17:50
Operator : UM/SJ
Sample : G4849-09
Misc :
ALS Vial : 47 Sample Multiplier: 1

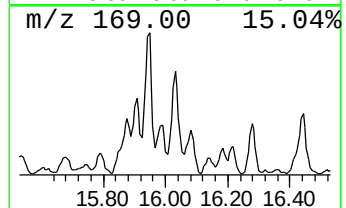
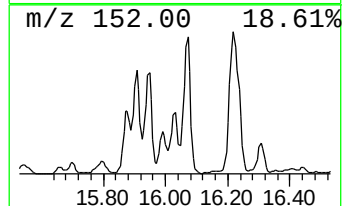
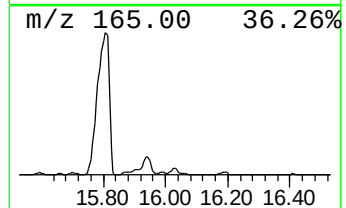
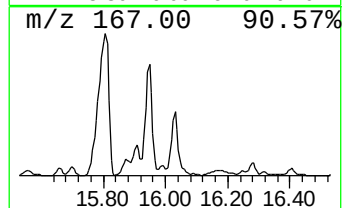
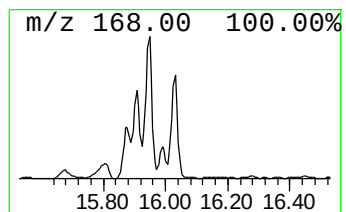
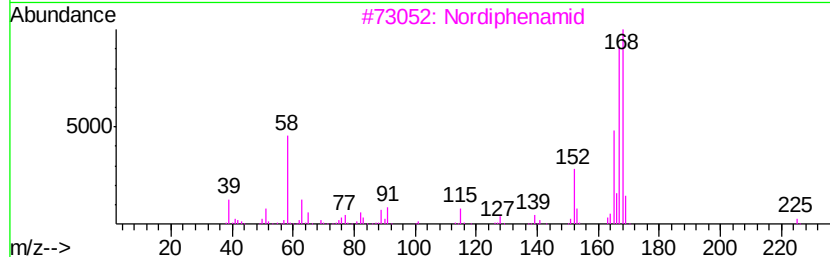
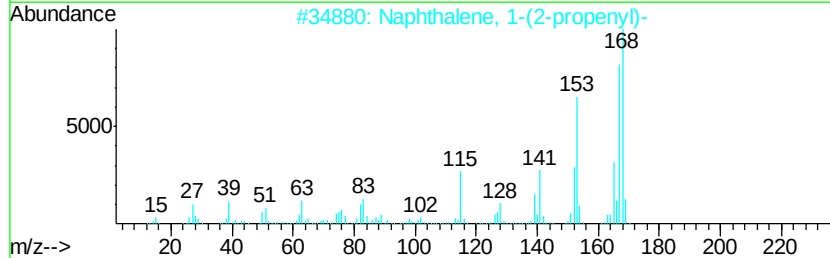
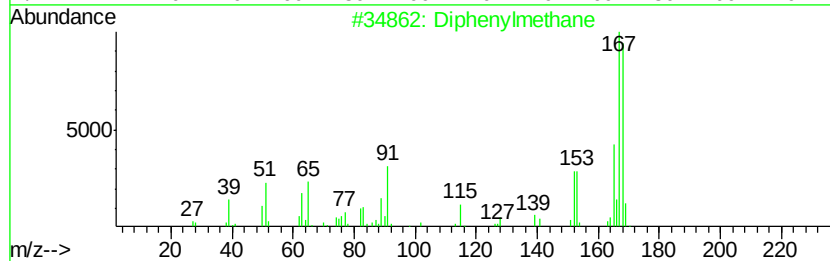
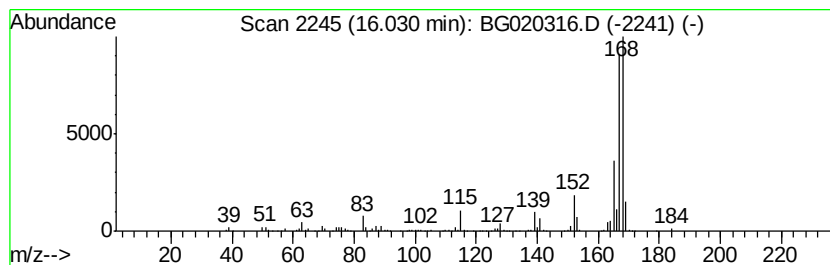
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Diphenylmethane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	14.56 ng/ul	1100350	Acenaphthene-d10	14.73
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Diphenylmethane	168 C13H12	000101-81-5	83
2	Naphthalene, 1-(2-propenyl)-	168 C13H12	002489-86-3	83
3	Nordiphenamid	225 C15H15NO	000954-21-2	83
4	Diphenylmethane	168 C13H12	000101-81-5	83
5	1,1'-Biphenyl, 2-methyl-	168 C13H12	000643-58-3	83



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020316.D
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ClientSampleId :
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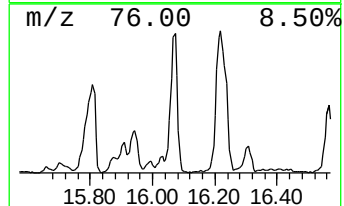
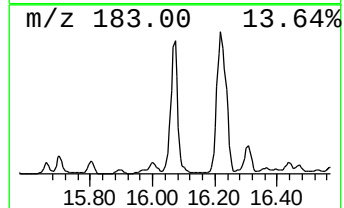
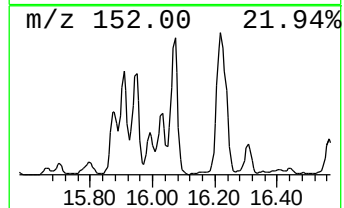
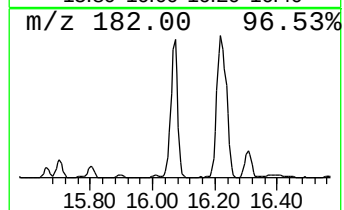
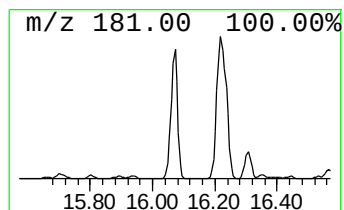
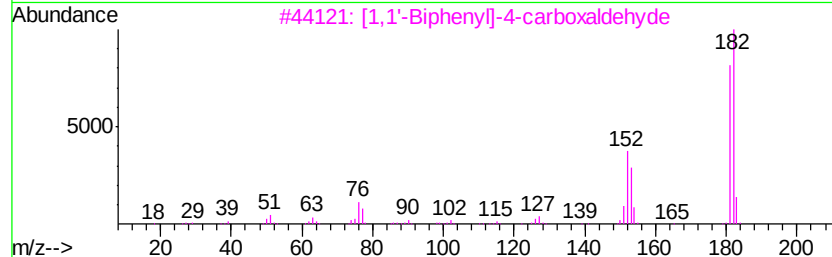
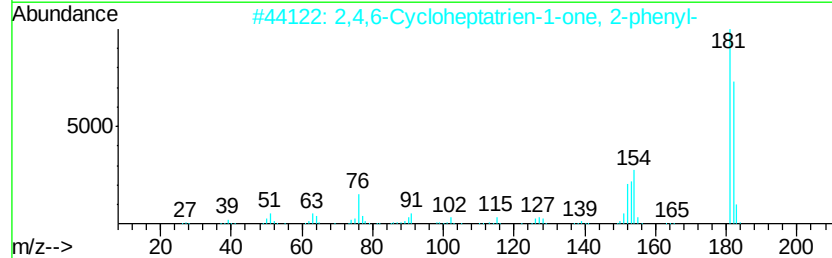
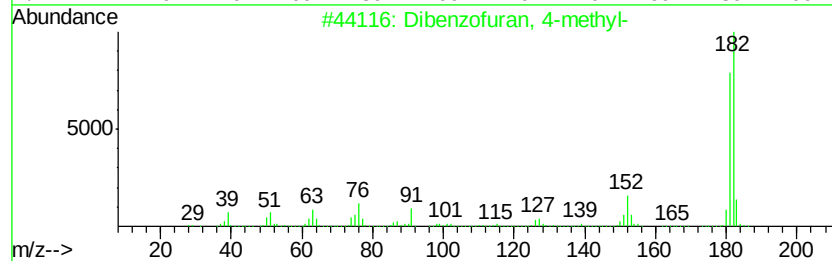
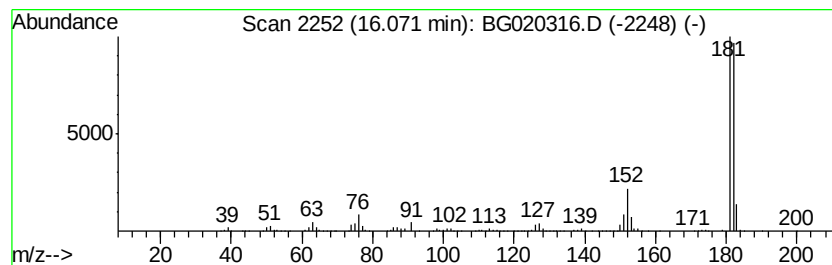
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Dibenzofuran, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.07	26.79 ng/ul	2024050	Acenaphthene-d10	14.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
2		2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
3		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80
4		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020316.D
Acq On : 19 Dec 2015 17:50
Operator : UM/SJ
Sample : G4849-09
Misc :
ALS Vial : 47 Sample Multiplier: 1

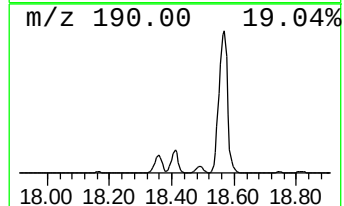
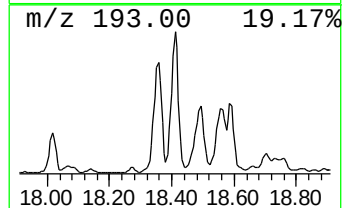
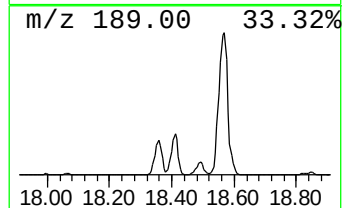
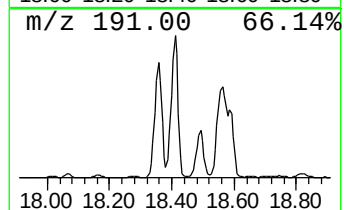
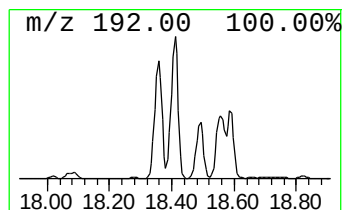
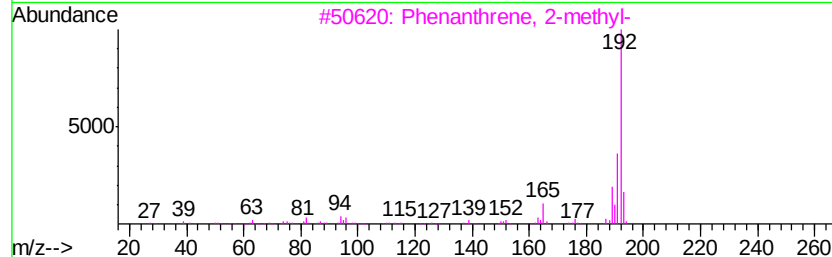
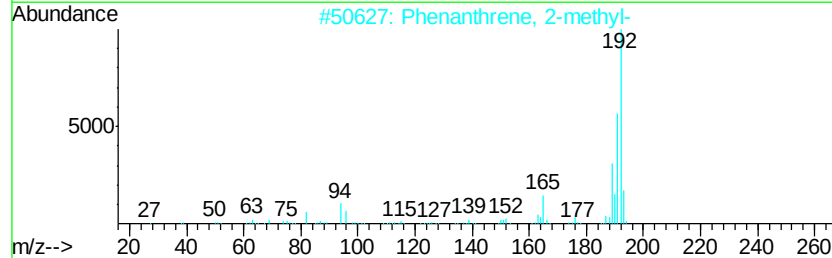
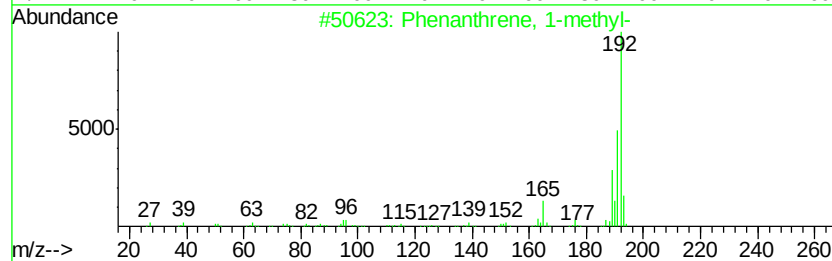
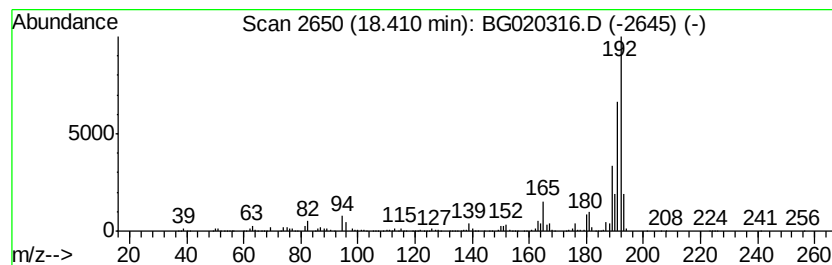
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Phenanthrene, 1-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.41	2.32 ng/ul	4123900	Phenanthrene-d10	17.49		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
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Sample : G4849-09
Misc :
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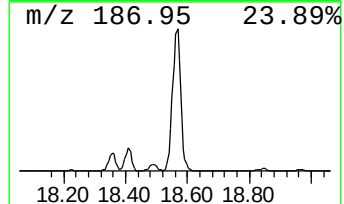
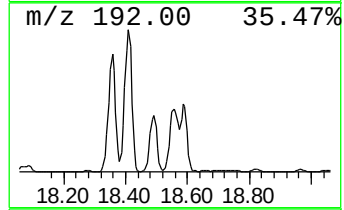
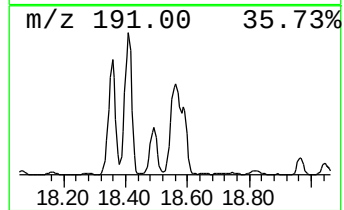
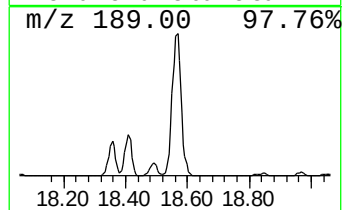
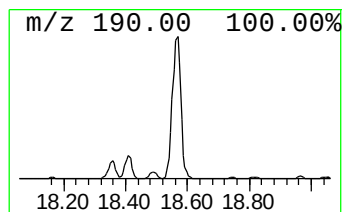
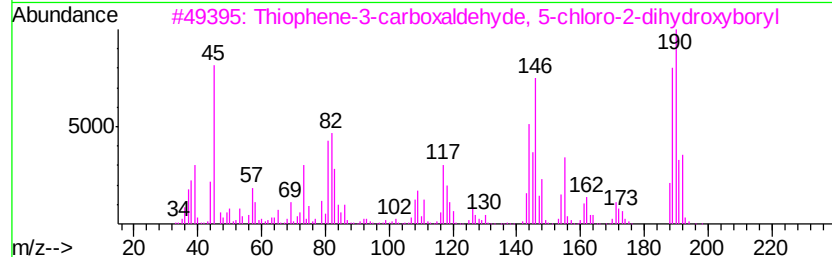
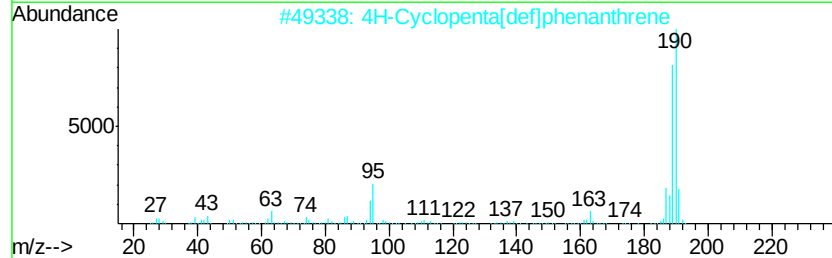
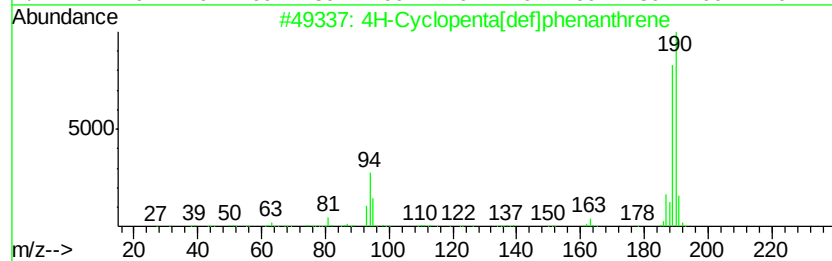
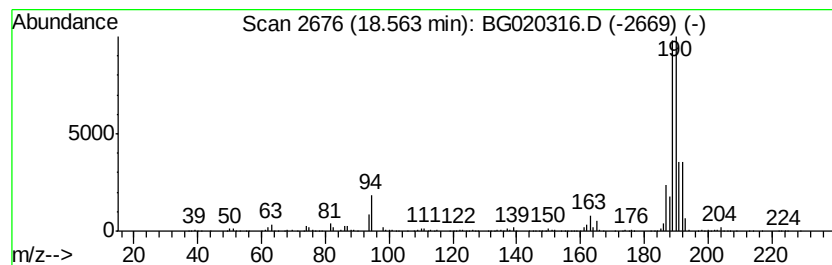
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.56	4.42 ng/ul	7868020	Phenanthrene-d10	17.49		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	64
4		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	59
5		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020316.D
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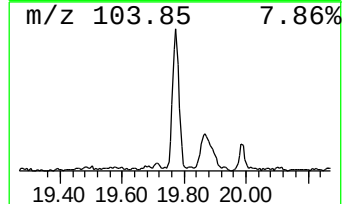
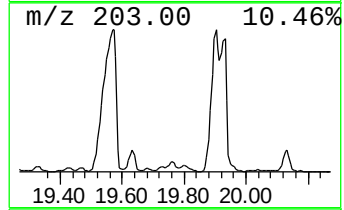
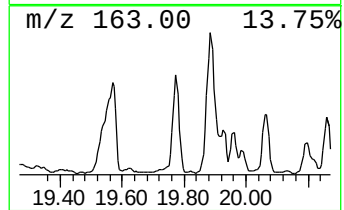
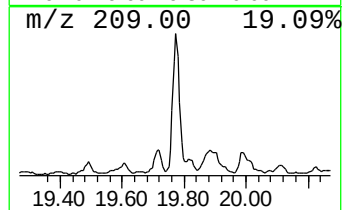
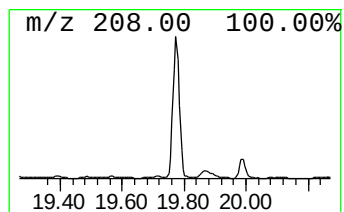
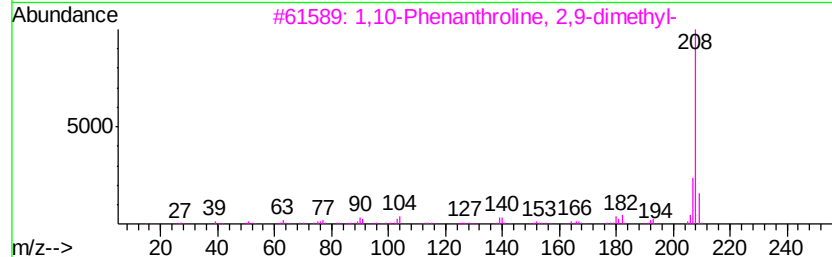
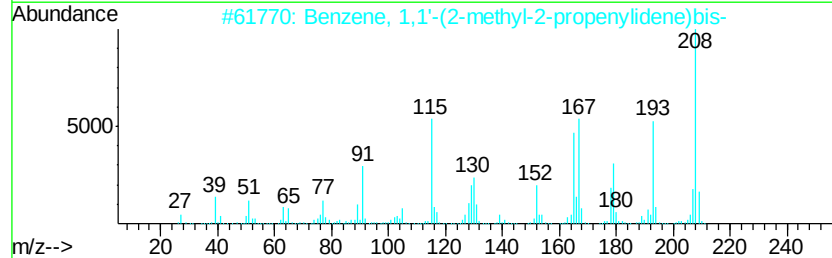
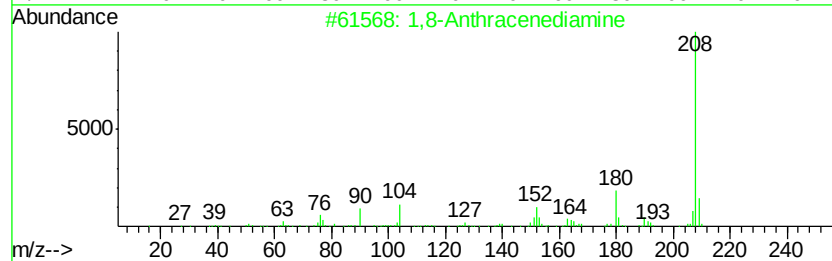
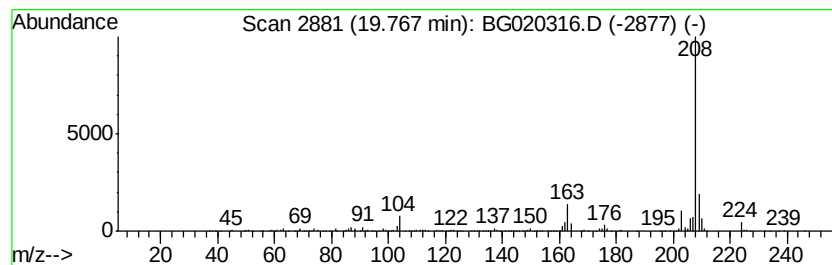
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 1,8-Anthracenediamine Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	2.42 ng/ul	791801	Chrysene-d12	21.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,8-Anthracenediamine	208	C14H12N2	139312-39-3	64
2		Benzene, 1,1'-(2-methyl-2-propen...	208	C16H16	070813-56-8	59
3		1,10-Phenanthroline, 2,9-dimethyl-	208	C14H12N2	000484-11-7	59
4		1,10-Phenanthroline, 2,9-dimethyl-	208	C14H12N2	000484-11-7	59
5		5-Ethyl-2-formylpyridine thiosem...	208	C9H12N4S	031181-48-3	53



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
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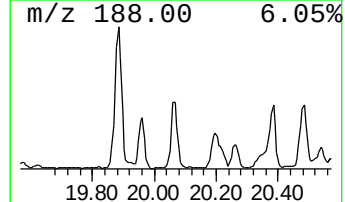
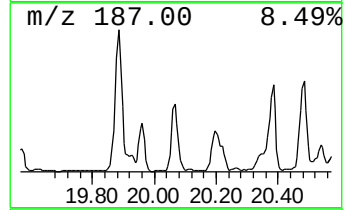
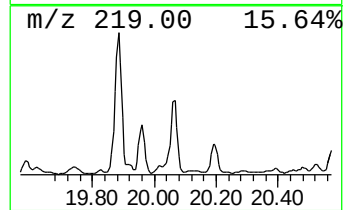
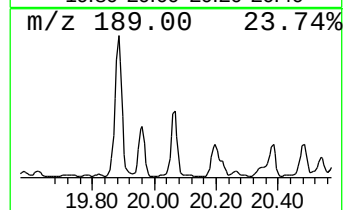
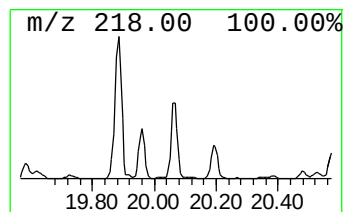
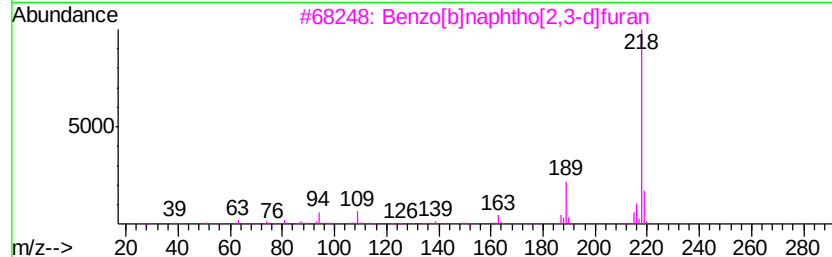
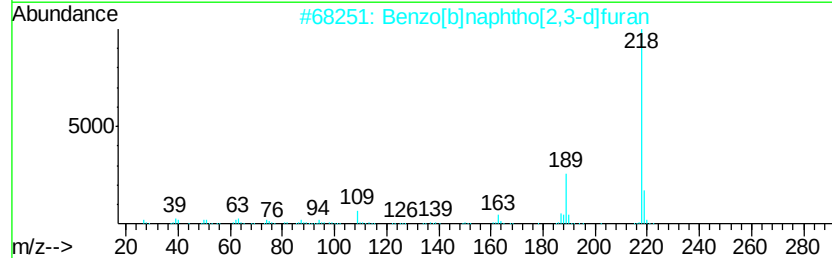
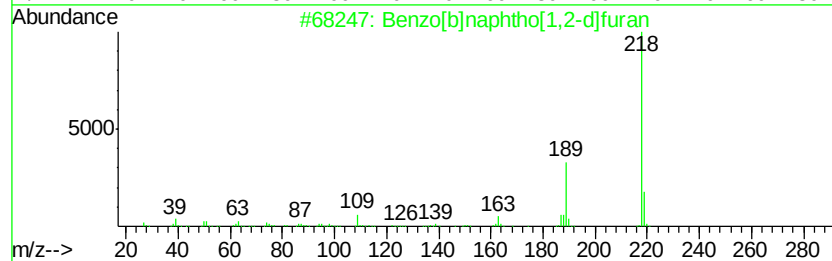
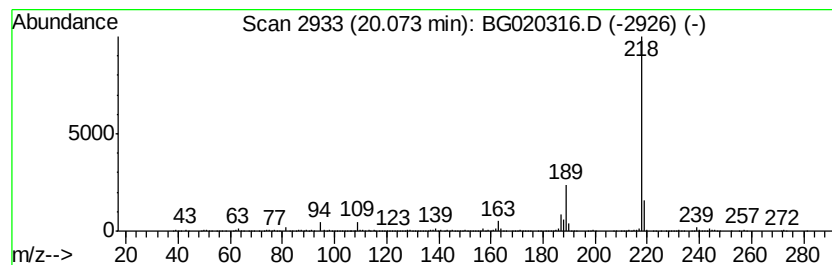
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Benzo[b]naphtho[1,2-d]furan Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.07	3.58 ng/ul	1172210	Chrysene-d12	21.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	94
2		Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	91
3		Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	91
4		Benzo[k]l[xanthene	218	C16H10O	000200-23-7	91
5		Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	91



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
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ClientSampleId :
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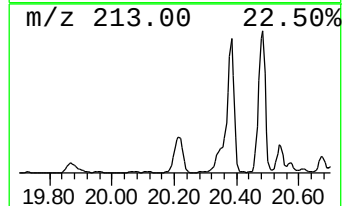
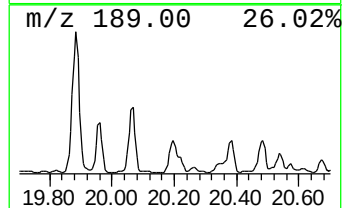
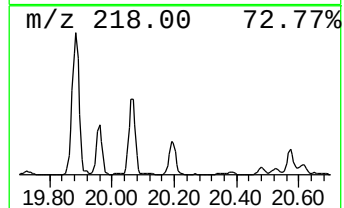
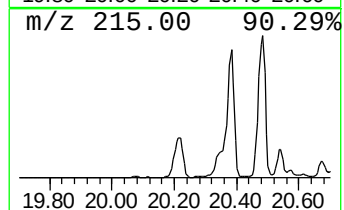
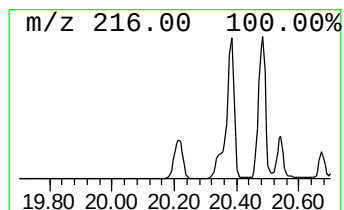
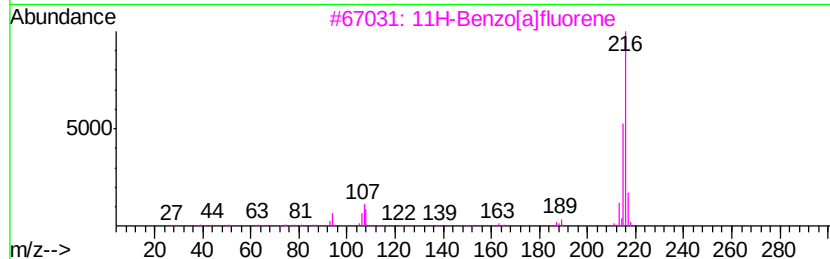
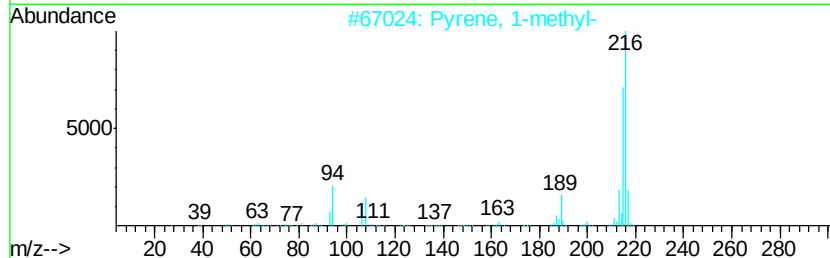
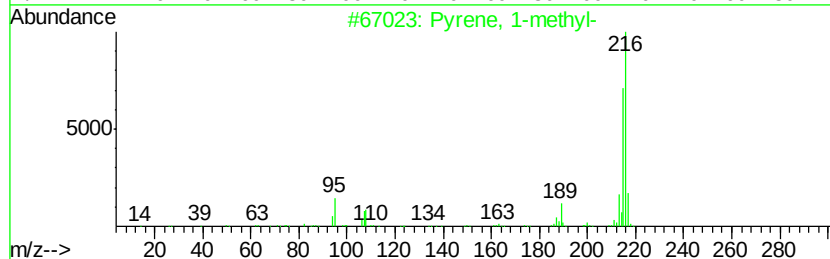
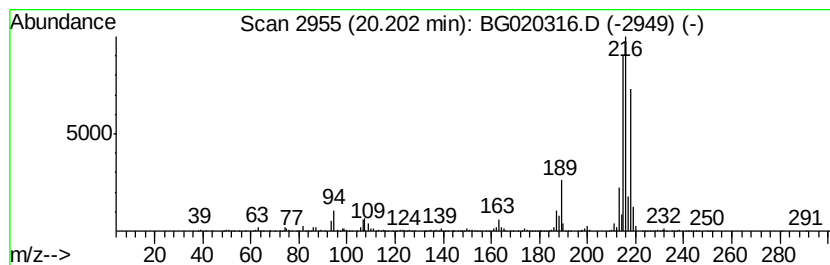
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Pyrene, 1-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.20	3.16 ng/ul	1033470	Chrysene-d12	21.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
5		Pyrene, 1-methyl-	216	C17H12	002381-21-7	76



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020316.D
Acq On : 19 Dec 2015 17:50
Operator : UM/SJ
Sample : G4849-09
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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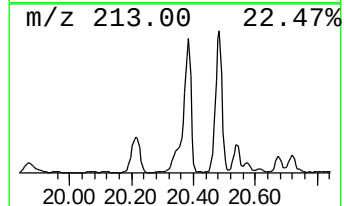
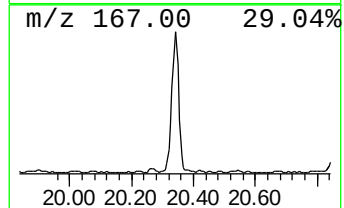
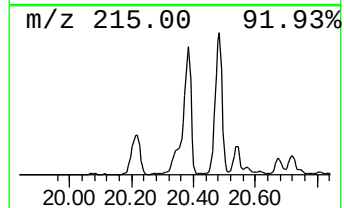
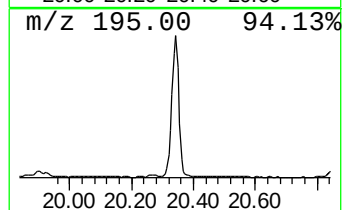
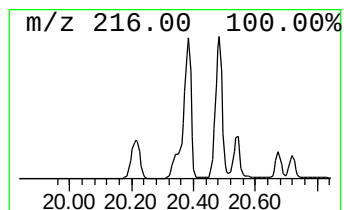
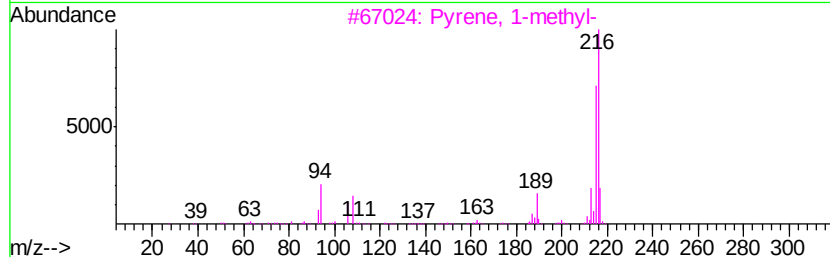
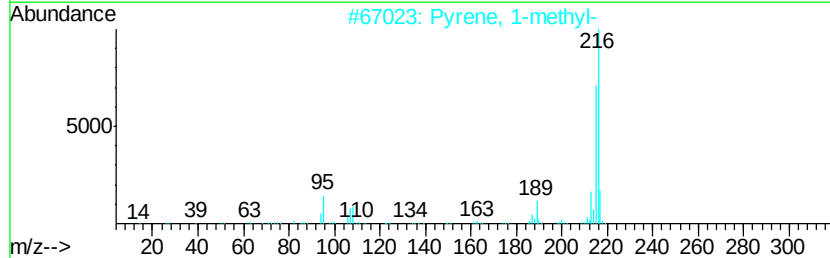
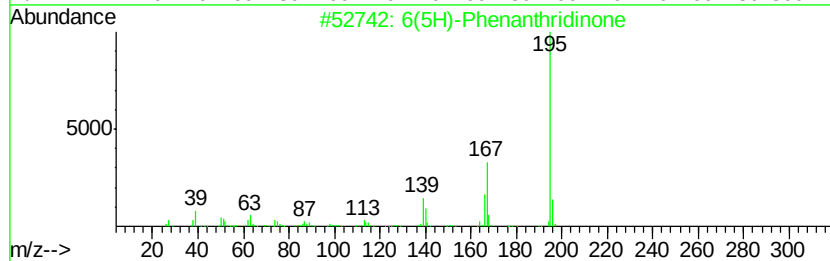
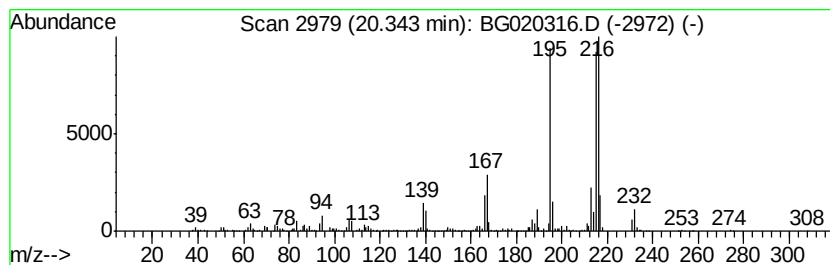
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 6(5H)-Phenanthridinone Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.34	3.87 ng/ul	1267130	Chrysene-d12	21.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6(5H)-Phenanthridinone	195	C13H9NO	001015-89-0	93
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5		Pyrene, 1-methyl-	216	C17H12	002381-21-7	83



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020316.D
Acq On : 19 Dec 2015 17:50
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Instrument :
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ClientSampleId :
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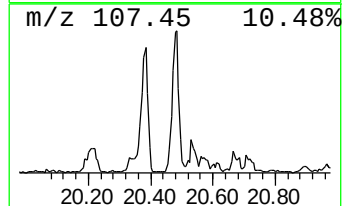
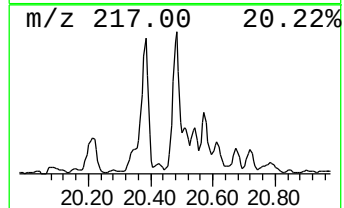
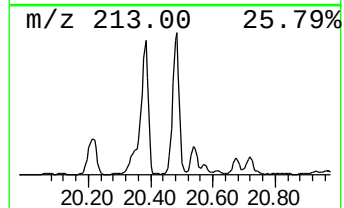
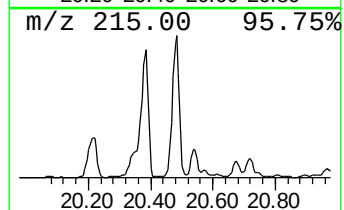
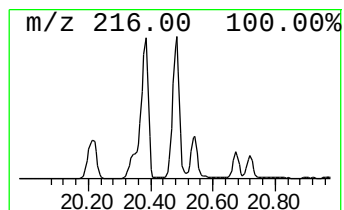
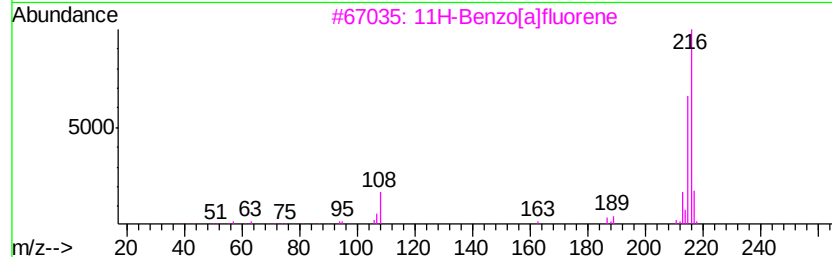
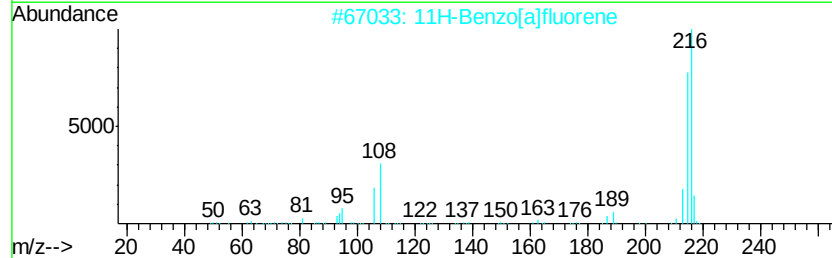
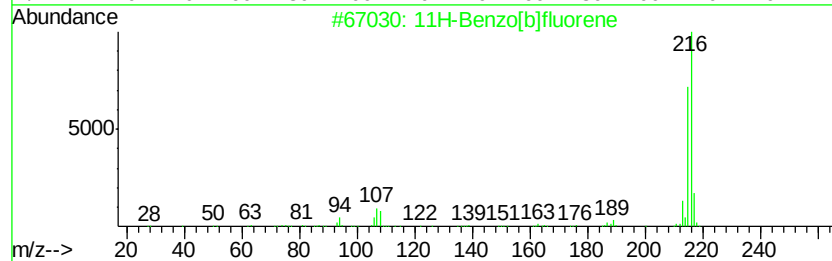
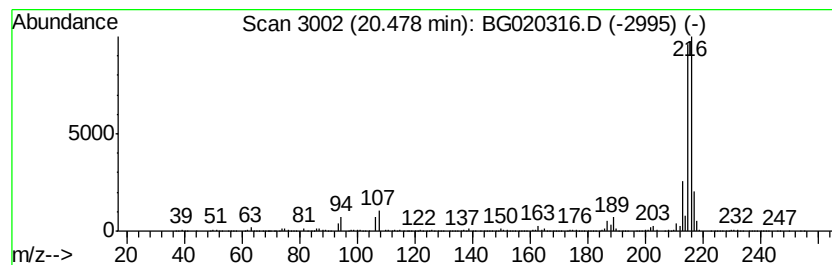
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 22 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.48	11.38 ng/ul	3722810	Chrysene-d12	21.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020316.D
Acq On : 19 Dec 2015 17:50
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Sample : G4849-09
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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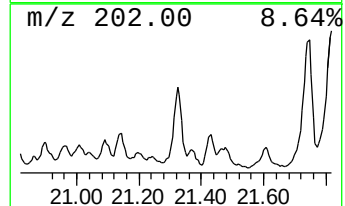
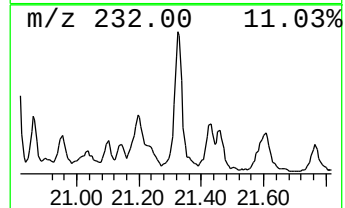
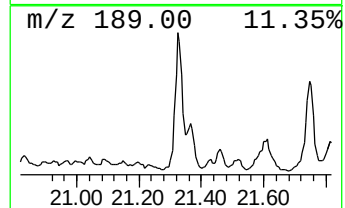
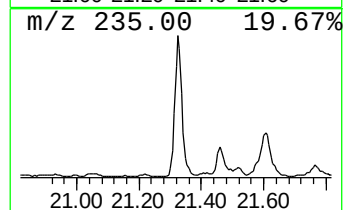
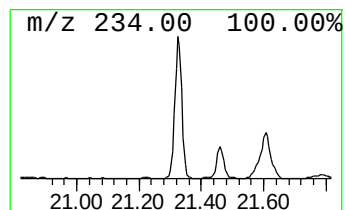
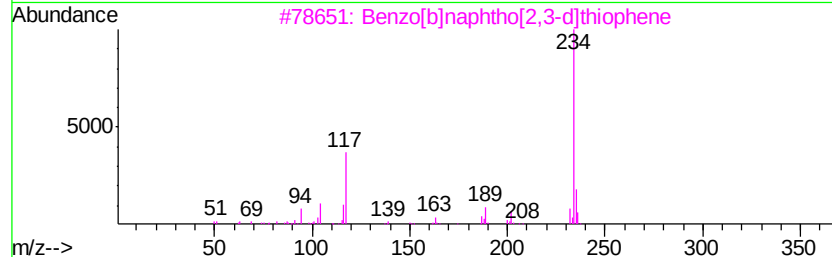
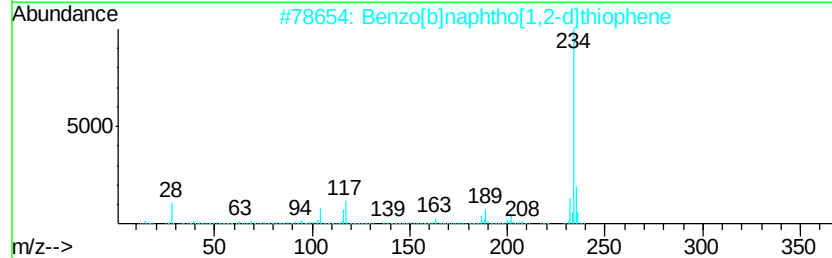
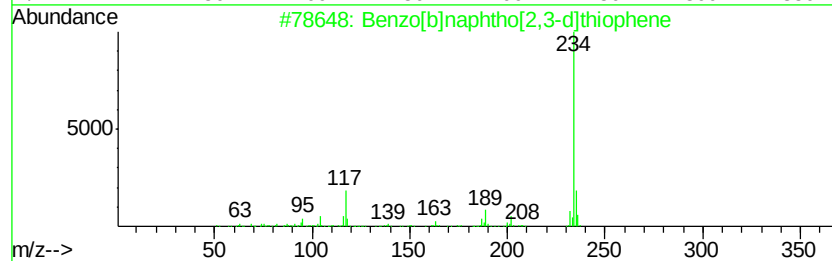
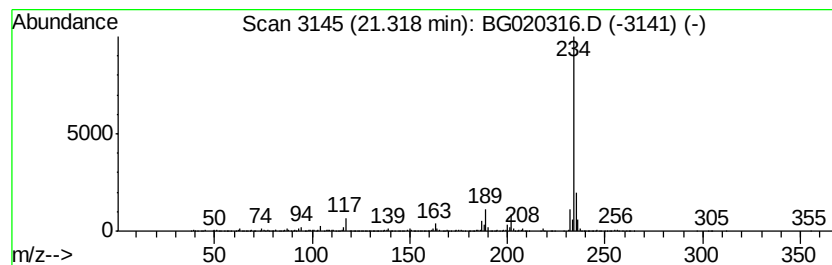
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 24 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.32	3.28 ng/ul	1074430	Chrysene-d12	21.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
2		Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	94
3		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
4		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
5		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020316.D
Acq On : 19 Dec 2015 17:50
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Sample : G4849-09
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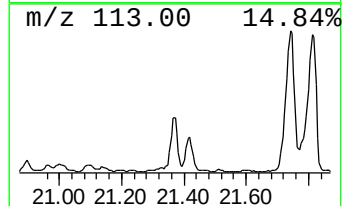
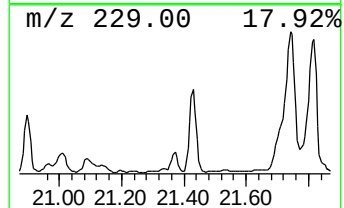
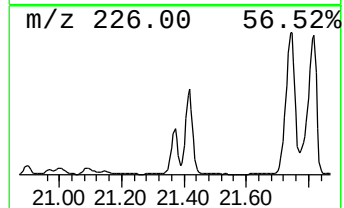
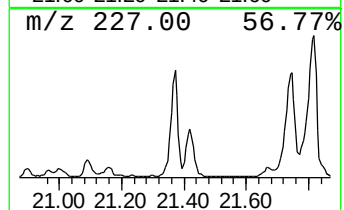
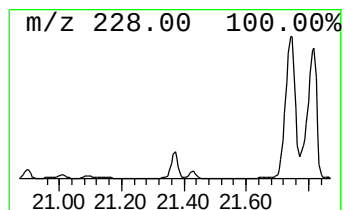
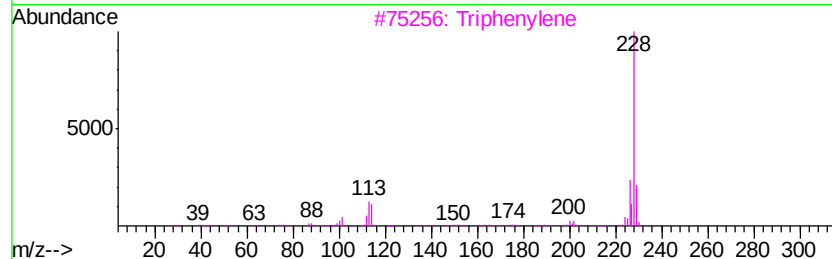
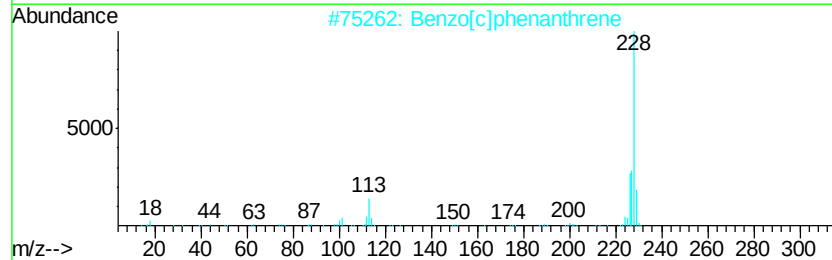
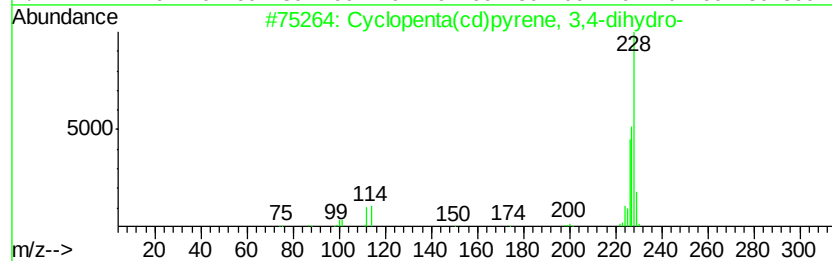
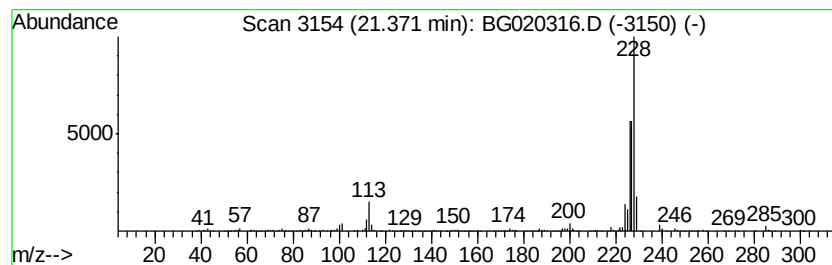
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 25 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	3.30 ng/ul	1078170	Chrysene-d12	21.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	64
2		Benzo[c]phenanthrene	228	C18H12	000195-19-7	52
3		Triphenylene	228	C18H12	000217-59-4	49
4		Triphenylene	228	C18H12	000217-59-4	49
5		Benzo[c]phenanthrene	228	C18H12	000195-19-7	49



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020316.D
Acq On : 19 Dec 2015 17:50
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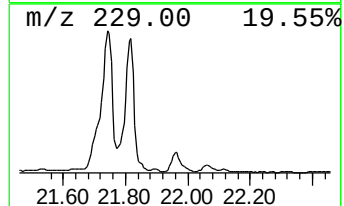
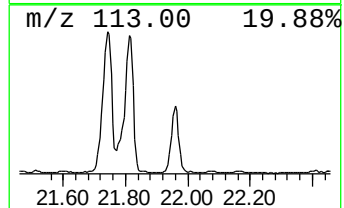
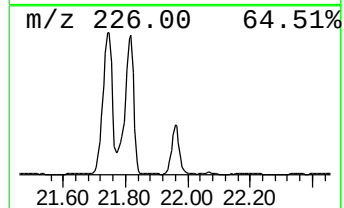
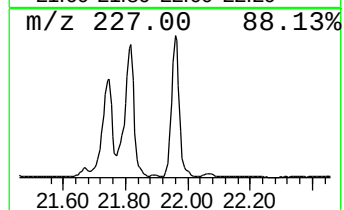
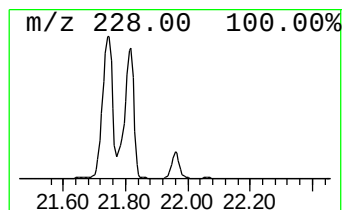
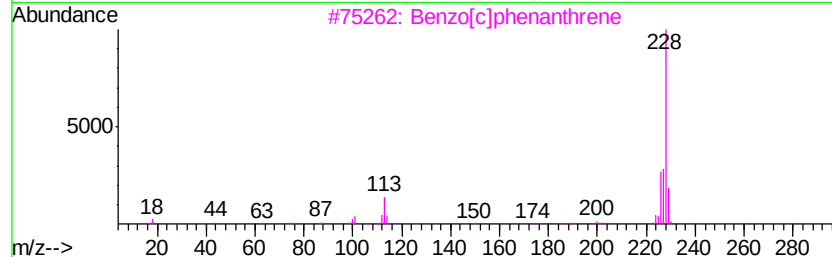
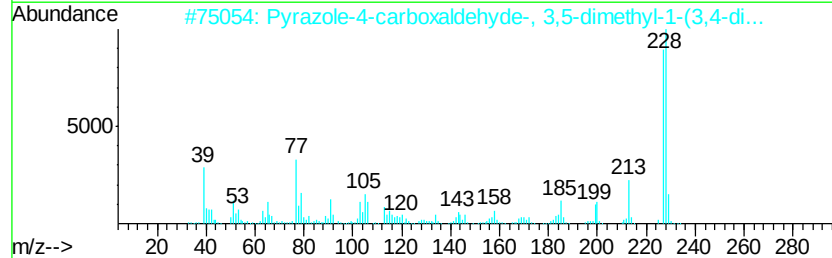
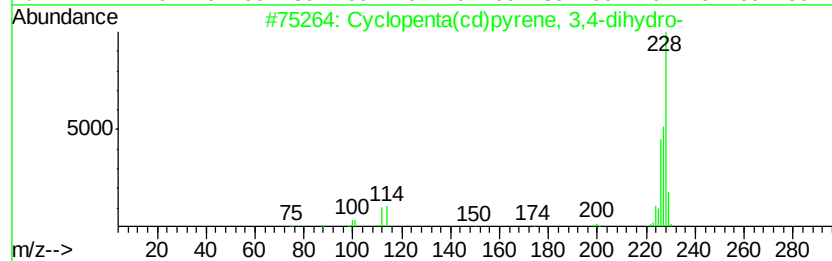
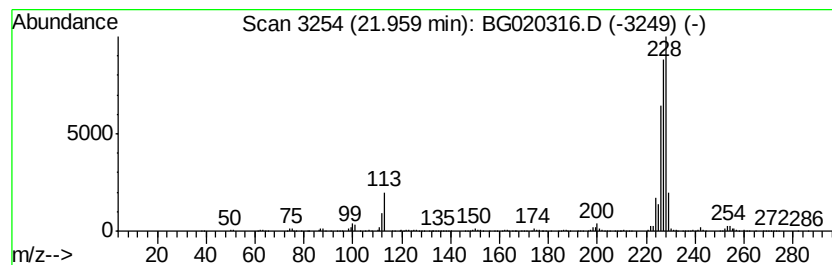
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 27 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.96	3.39 ng/ul	1108180	Chrysene-d12	21.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	91
2		Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
3		Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
4		Triphenylene	228	C18H12	000217-59-4	45
5		Chrysene	228	C18H12	000218-01-9	43



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020316.D
Acq On : 19 Dec 2015 17:50
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Sample : G4849-09
Misc :
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Instrument :
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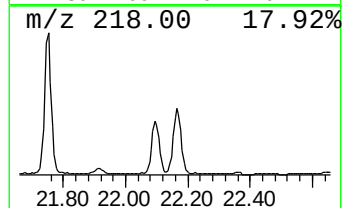
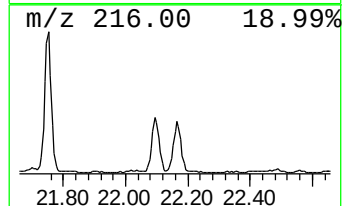
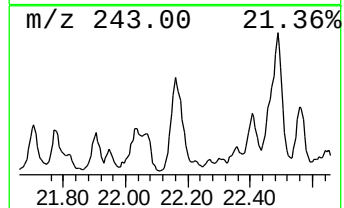
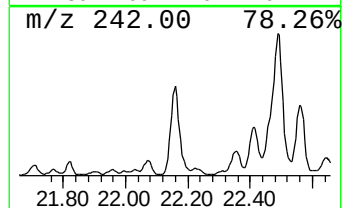
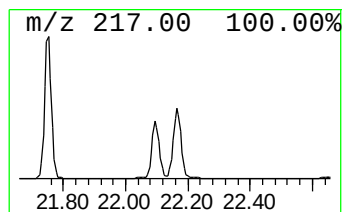
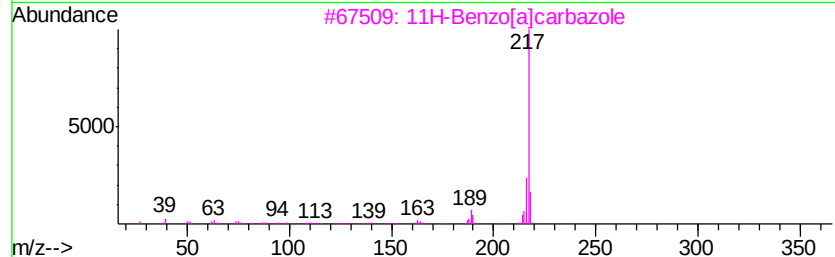
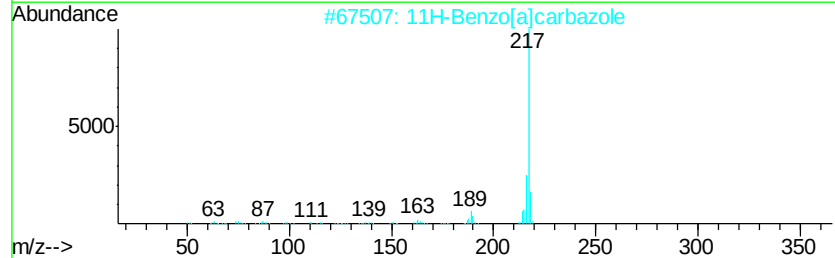
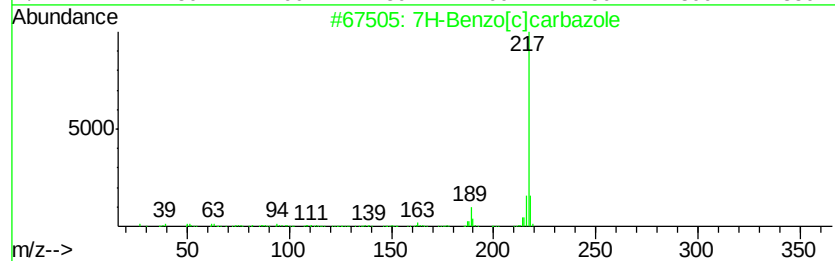
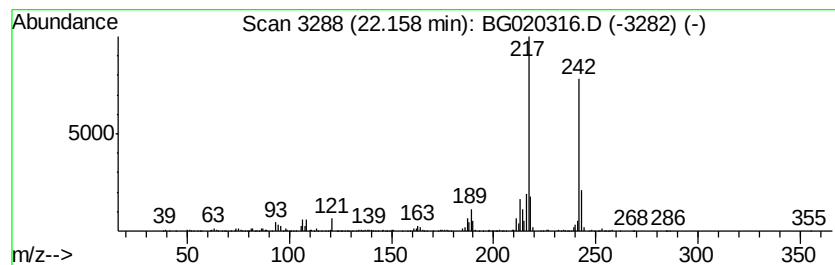
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 28 7H-Benzo[c]carbazole Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.16	2.24 ng/ul	732841	Chrysene-d12	21.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	64
2		11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	64
3		11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	64
4		Benzo(b)carbazole	217	C16H11N	000243-28-7	64
5		7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	58



Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
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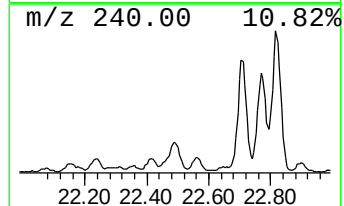
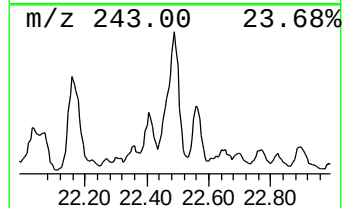
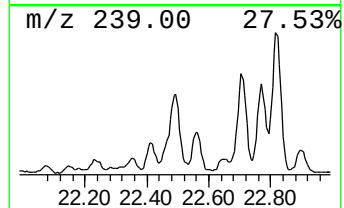
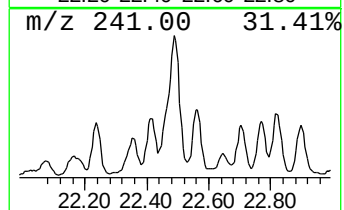
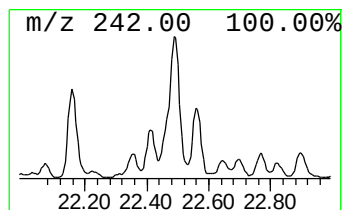
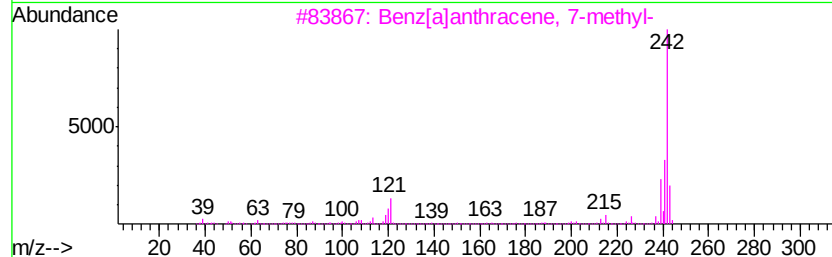
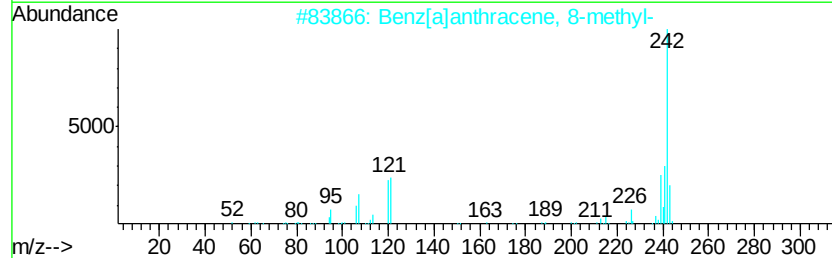
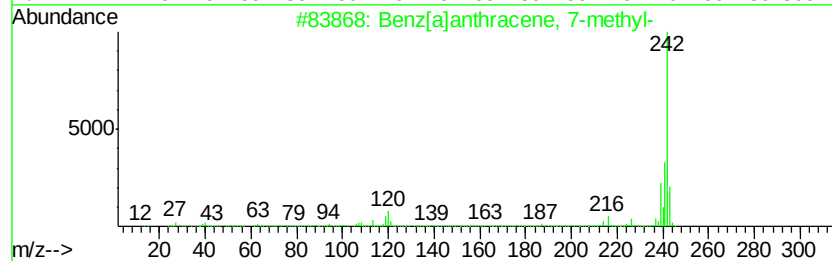
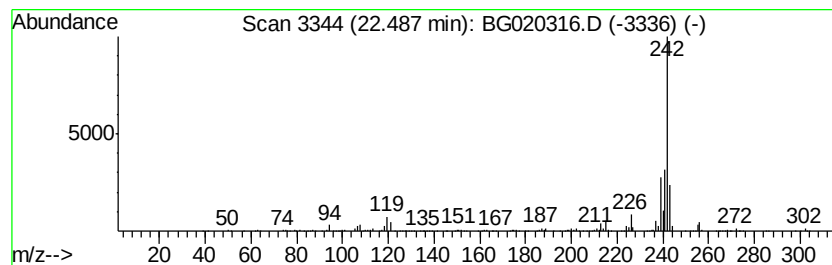
Instrument :
BNA_G
ClientSampleId :
D9N73

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 29 Benz[a]anthracene, 7-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.49	2.47 ng/ul	806503	Chrysene-d12	21.76
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benz[a]anthracene, 7-methyl-	242 C19H14	002541-69-7 94
2		Benz[a]anthracene, 8-methyl-	242 C19H14	002381-31-9 94
3		Benz[a]anthracene, 7-methyl-	242 C19H14	002541-69-7 93
4		Chrysene, 1-methyl-	242 C19H14	003351-28-8 93
5		Chrysene, 2-methyl-	242 C19H14	003351-32-4 93



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
 Data File : BG020316.D
 Acq On : 19 Dec 2015 17:50
 Operator : UM/SJ
 Sample : G4849-09
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N73

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Indene	8.63	20.0	ng/ul	565373	1	8.09	565373	20.0
Naphthalene, 1-me...	12.79	6.0	ng/ul	4380770	2	10.92	14571900	20.0
Naphthalene, 1-et...	13.76	17.7	ng/ul	1340550	3	14.73	1511250	20.0
Naphthalene, 1,5-...	13.91	32.6	ng/ul	2463610	3	14.73	1511250	20.0
Naphthalene, 2,3-...	14.05	30.6	ng/ul	2312430	3	14.73	1511250	20.0
Thieno[2,3-b]thio...	15.04	10.1	ng/ul	765650	3	14.73	1511250	20.0
Naphthalene, 1,4,...	15.34	6.5	ng/ul	487626	3	14.73	1511250	20.0
Naphthalene, 2,3,...	15.39	6.0	ng/ul	455374	3	14.73	1511250	20.0
1,1'-Biphenyl, 2-...	15.94	27.9	ng/ul	2107020	3	14.73	1511250	20.0
Benzene, [1-(2,4-...	15.99	6.6	ng/ul	495481	3	14.73	1511250	20.0
Diphenylmethane	16.03	14.6	ng/ul	1100350	3	14.73	1511250	20.0
Dibenzofuran, 4-m...	16.07	26.8	ng/ul	2024050	3	14.73	1511250	20.0
Phenanthrene, 1-m...	18.41	2.3	ng/ul	4123900	4	17.49	35603800	20.0
4H-Cyclopenta[def...	18.56	4.4	ng/ul	7868020	4	17.49	35603800	20.0
1,8-Anthracenedia...	19.77	2.4	ng/ul	791801	5	21.76	6543350	20.0
Benzo[b]naphtho[1...	20.07	3.6	ng/ul	1172210	5	21.76	6543350	20.0
Pyrene, 1-methyl-	20.20	3.2	ng/ul	1033470	5	21.76	6543350	20.0
6(5H)-Phenanthrid...	20.34	3.9	ng/ul	1267130	5	21.76	6543350	20.0
11H-Benzo[b]fluorene	20.48	11.4	ng/ul	3722810	5	21.76	6543350	20.0
Benzo[b]naphtho[2...	21.32	3.3	ng/ul	1074430	5	21.76	6543350	20.0
Cyclopenta(cd)pyr...	21.37	3.3	ng/ul	1078170	5	21.76	6543350	20.0
Cyclopenta(cd)pyr...	21.96	3.4	ng/ul	1108180	5	21.76	6543350	20.0
7H-Benzo[c]carbazole	22.16	2.2	ng/ul	732841	5	21.76	6543350	20.0
Benz[a]anthracene...	22.49	2.5	ng/ul	806503	5	21.76	6543350	20.0