

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
 Data File : BG020420.D
 Acq On : 22 Dec 2015 22:11
 Operator : UM/SJ
 Sample : G4848-05
 Misc : MED LEVEL RX
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N51ME

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	8.626	978	985	996	rVB	323467	550905	2.06%	0.278%
2	10.295	1262	1269	1280	rBV3	75052	222575	0.83%	0.112%
3	10.530	1302	1309	1317	rVB2	132300	244755	0.92%	0.124%
4	11.000	1367	1389	1394	rVV	4447345	12597691	47.21%	6.361%
5	11.082	1398	1403	1411	rVB	277419	482242	1.81%	0.244%
6	12.574	1644	1657	1667	rBV	3423171	7086837	26.56%	3.578%
7	12.786	1681	1693	1700	rVV	1985604	3571975	13.39%	1.804%
8	13.555	1814	1824	1835	rVV	1419751	2349566	8.81%	1.186%
9	13.749	1851	1857	1869	rVB	556497	1055197	3.95%	0.533%
10	13.902	1869	1883	1890	rBV2	739525	2031764	7.61%	1.026%
11	14.043	1899	1907	1912	rVV	980596	1909825	7.16%	0.964%
12	14.096	1912	1916	1926	rVV2	720797	1402012	5.25%	0.708%
13	14.278	1940	1947	1951	rVV	441827	729120	2.73%	0.368%
14	14.443	1971	1975	1985	rVB	478152	777910	2.92%	0.393%
15	14.707	2007	2020	2028	rVV2	734038	1381442	5.18%	0.698%
16	14.819	2028	2039	2043	rVV	5153794	11731092	43.96%	5.923%
17	14.860	2043	2046	2051	rVV	314279	489164	1.83%	0.247%
18	14.924	2051	2057	2066	rVV2	226683	510770	1.91%	0.258%
19	15.030	2066	2075	2080	rVV2	344775	668365	2.50%	0.337%
20	15.142	2085	2094	2099	rVV	3674765	7665902	28.73%	3.871%
21	15.189	2099	2102	2111	rVB	258244	403434	1.51%	0.204%
22	15.330	2119	2126	2131	rBV2	210067	377517	1.41%	0.191%
23	15.383	2131	2135	2147	rVB2	224367	361340	1.35%	0.182%
24	15.500	2147	2155	2159	rBV2	160765	360725	1.35%	0.182%
25	15.794	2196	2205	2211	rVB	4543861	9971367	37.37%	5.035%
26	15.870	2211	2218	2220	rVV	406484	695133	2.61%	0.351%
27	15.900	2220	2223	2225	rVV	571261	819695	3.07%	0.414%
28	15.935	2225	2229	2234	rVV3	1034315	1723146	6.46%	0.870%
29	15.982	2234	2237	2240	rVV2	250961	392030	1.47%	0.198%
30	16.023	2240	2244	2247	rVV	539797	872777	3.27%	0.441%
31	16.064	2247	2251	2258	rVV	1124472	1658926	6.22%	0.838%
32	16.211	2266	2276	2283	rVV	1129728	2581773	9.68%	1.304%
33	16.299	2287	2291	2296	rVV	216070	332696	1.25%	0.168%
34	16.558	2330	2335	2341	rVB	503610	726065	2.72%	0.367%

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35	16.769	2358	2371	2376	rBV2	886018	2012697	7.54%	1.016%
36	16.822	2376	2380	2385	rVV2	346128	624016	2.34%	0.315%
37	16.916	2390	2396	2401	rVB2	367475	674530	2.53%	0.341%
38	16.993	2406	2409	2412	rVV	194347	280169	1.05%	0.141%
39	17.034	2412	2416	2420	rVB2	243815	345457	1.29%	0.174%
40	17.134	2427	2433	2438	rVB5	132676	326708	1.22%	0.165%
41	17.198	2438	2444	2454	rBV3	400397	1147513	4.30%	0.579%
42	17.292	2454	2460	2470	rVB	1542275	2534902	9.50%	1.280%
43	17.574	2485	2508	2511	rBV	7789502	26683063	100.00%	13.473%
44	17.627	2513	2517	2522	rVB	1678752	2255112	8.45%	1.139%
45	17.880	2553	2560	2567	rBV	945256	1750869	6.56%	0.884%
46	17.986	2573	2578	2582	rBV	342830	474246	1.78%	0.239%
47	18.050	2583	2589	2597	rVB6	171290	406838	1.52%	0.205%
48	18.191	2604	2613	2622	rVB	167392	417539	1.56%	0.211%
49	18.350	2629	2640	2644	rVV	1500428	2502364	9.38%	1.264%
50	18.397	2644	2648	2654	rVB	1943198	3006657	11.27%	1.518%
51	18.479	2654	2662	2667	rBV	629834	1133747	4.25%	0.572%
52	18.556	2667	2675	2684	rVV2	2625667	5736698	21.50%	2.897%
53	18.638	2684	2689	2693	rVV4	135630	225193	0.84%	0.114%
54	18.773	2709	2712	2717	rVV2	150162	275343	1.03%	0.139%
55	18.838	2717	2723	2728	rVV	1306791	1844867	6.91%	0.932%
56	18.890	2728	2732	2739	rVV	174039	270098	1.01%	0.136%
57	19.078	2759	2764	2768	rVB2	263913	365496	1.37%	0.185%
58	19.125	2768	2772	2776	rBV	204890	288192	1.08%	0.146%
59	19.167	2776	2779	2783	rVB2	212649	260252	0.98%	0.131%
60	19.249	2787	2793	2798	rBV	428745	800544	3.00%	0.404%
61	19.554	2833	2845	2852	rBV	6149737	15807406	59.24%	7.982%
62	19.766	2877	2881	2886	rVV	346281	505240	1.89%	0.255%
63	19.889	2892	2902	2903	rBV3	3856723	7793437	29.21%	3.935%
64	19.913	2903	2906	2910	rVV	5114750	7231664	27.10%	3.652%
65	19.948	2910	2912	2919	rVB	503680	623101	2.34%	0.315%
66	20.054	2920	2930	2936	rBV	591366	919835	3.45%	0.464%
67	20.207	2947	2956	2961	rBV2	515820	1371640	5.14%	0.693%
68	20.254	2961	2964	2971	rVV	259849	361957	1.36%	0.183%
69	20.330	2971	2977	2979	rVV2	320279	571711	2.14%	0.289%
70	20.371	2979	2984	2989	rVB	1534346	2420018	9.07%	1.222%
71	20.471	2994	3001	3005	rBV	1803245	2724455	10.21%	1.376%

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72	20.530	3005	3011	3014	rVV2	560285	1093629	4.10%	0.552%
73	20.565	3014	3017	3020	rVV	379068	488292	1.83%	0.247%
74	20.600	3020	3023	3028	rVB2	207974	313818	1.18%	0.158%
75	20.665	3030	3034	3038	rBV	268013	396583	1.49%	0.200%
76	20.712	3038	3042	3053	rVB2	321779	616856	2.31%	0.311%
77	20.994	3087	3090	3095	rVB2	132313	218883	0.82%	0.111%
78	21.082	3100	3105	3110	rVV	199318	394012	1.48%	0.199%
79	21.135	3110	3114	3120	rVV2	134170	250798	0.94%	0.127%
80	21.317	3137	3145	3149	rBV	483525	843311	3.16%	0.426%
81	21.358	3149	3152	3157	rVV	457595	716802	2.69%	0.362%
82	21.411	3157	3161	3165	rVV2	322893	535444	2.01%	0.270%
83	21.452	3165	3168	3183	rVB2	139731	342193	1.28%	0.173%
84	21.599	3184	3193	3200	rBV	146390	369056	1.38%	0.186%
85	21.734	3206	3216	3222	rBV3	2094210	4640119	17.39%	2.343%
86	21.805	3222	3228	3238	rVB	1588019	2979224	11.17%	1.504%
87	21.952	3247	3253	3260	rVV	438355	799475	3.00%	0.404%
88	22.151	3281	3287	3295	rVV2	230430	483424	1.81%	0.244%
89	22.474	3334	3342	3348	rVV	218183	539059	2.02%	0.272%
90	22.756	3385	3390	3394	rVV2	118039	239821	0.90%	0.121%
91	22.803	3394	3398	3406	rVB3	171693	365816	1.37%	0.185%
92	23.979	3587	3598	3605	rBV	494938	1741633	6.53%	0.879%
93	24.231	3633	3641	3653	rVB2	93663	237218	0.89%	0.120%
94	24.713	3713	3723	3729	rVV	230008	661310	2.48%	0.334%
95	24.789	3729	3736	3741	rVV	168024	460183	1.72%	0.232%
96	24.866	3741	3749	3761	rVV	361310	1045380	3.92%	0.528%
97	25.007	3762	3773	3781	rVV2	182658	636138	2.38%	0.321%
98	25.089	3781	3787	3801	rVB3	98851	310718	1.16%	0.157%
99	28.726	4393	4406	4430	rVB4	72708	392883	1.47%	0.198%
100	29.901	4589	4606	4619	rBV3	44994	223800	0.84%	0.113%

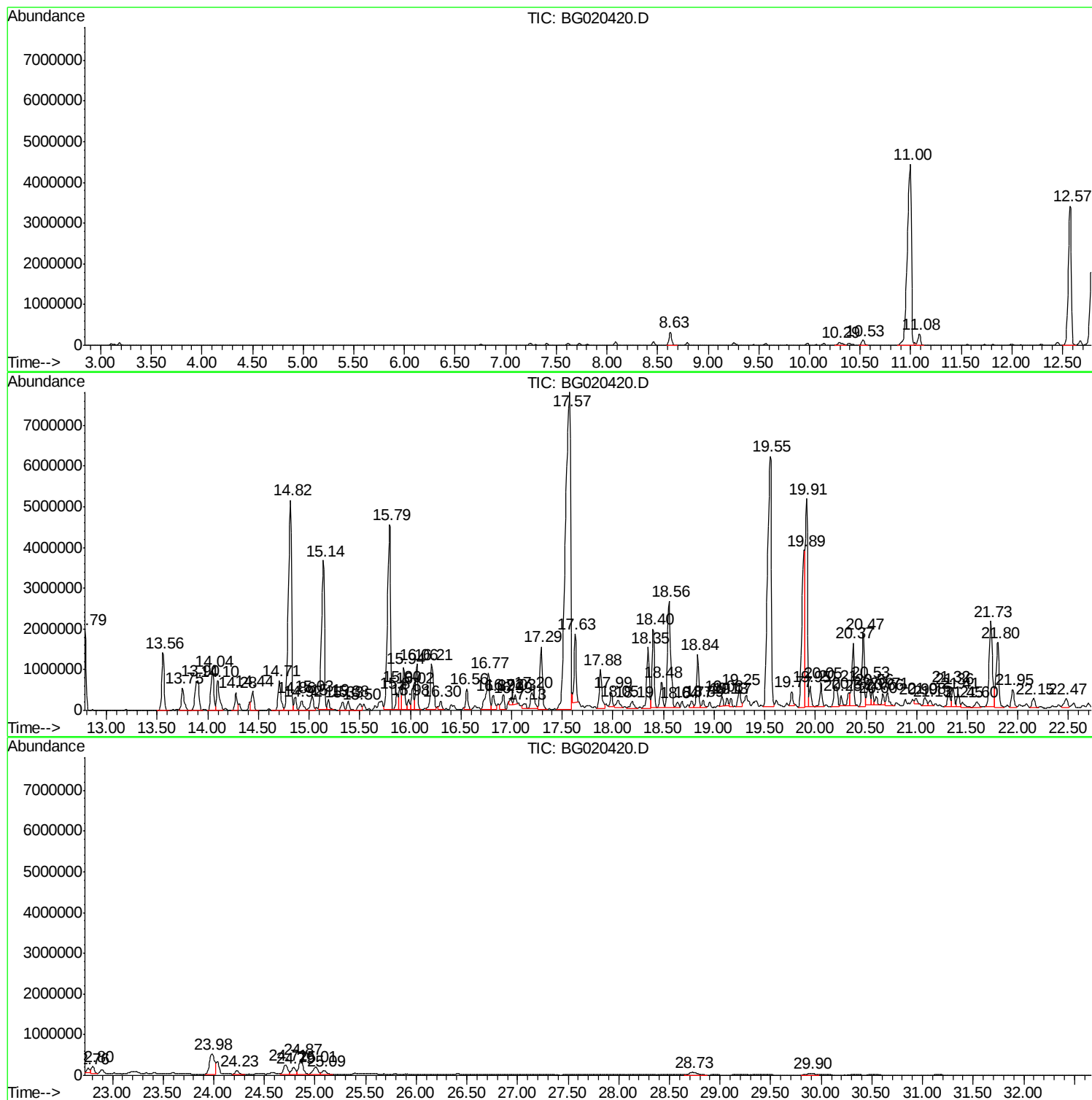
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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



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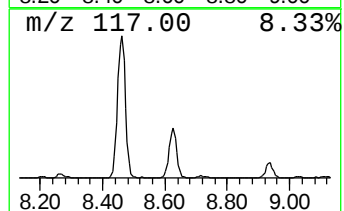
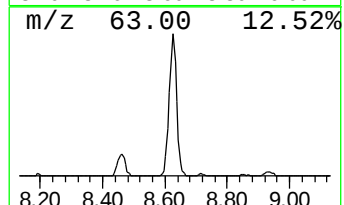
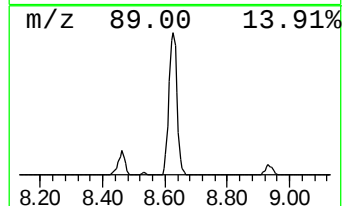
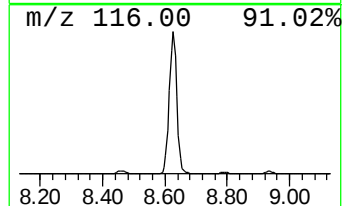
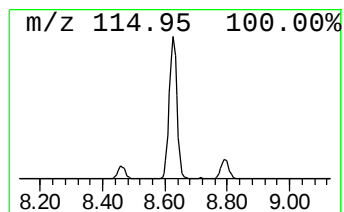
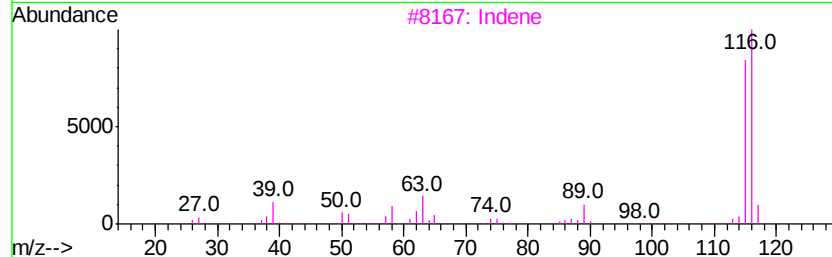
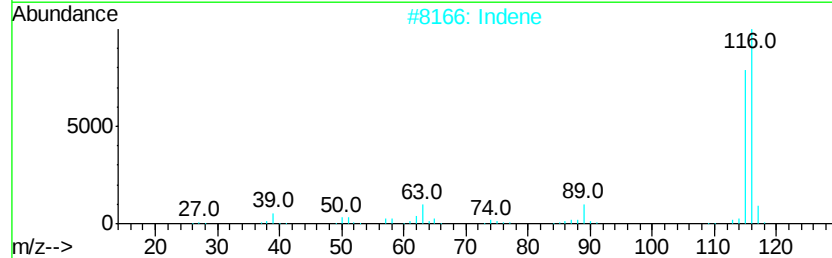
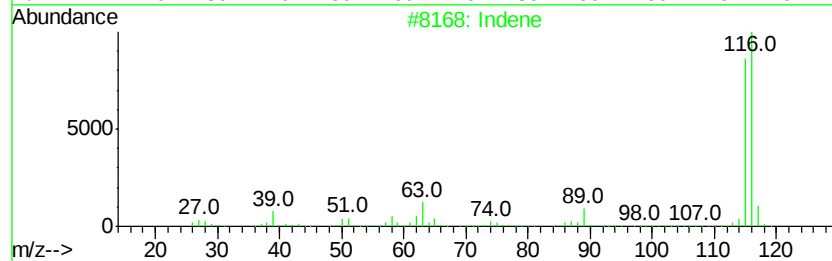
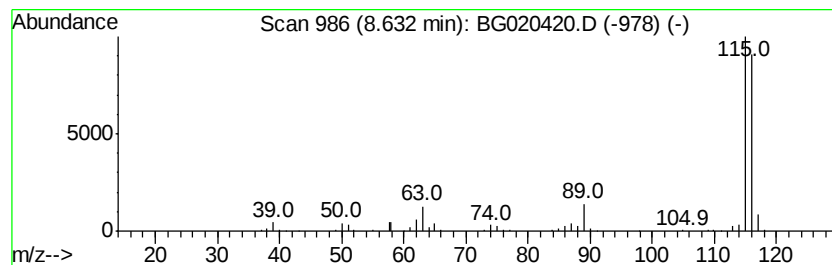
Instrument :
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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	550905	1,4-Dichlorobenzene-d4	8.09
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Indene		116 C9H8	000095-13-6 97
2	Indene		116 C9H8	000095-13-6 95
3	Indene		116 C9H8	000095-13-6 95
4	Benzene, 1-propynyl-		116 C9H8	000673-32-5 94
5	Benzene, 1-ethynyl-4-methyl-		116 C9H8	000766-97-2 91



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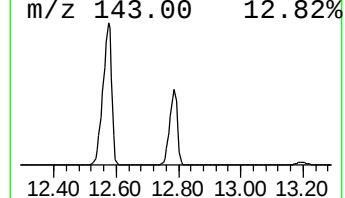
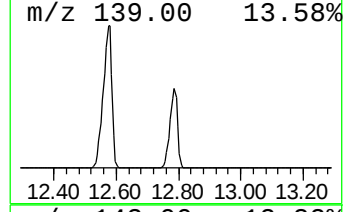
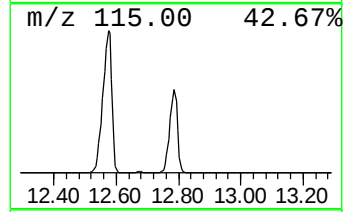
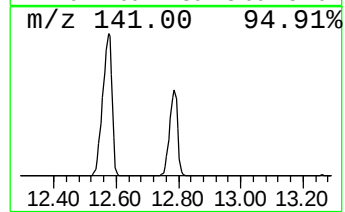
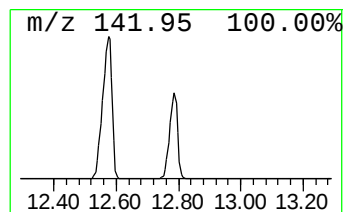
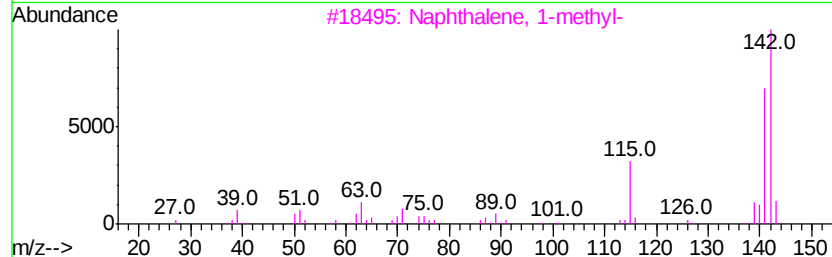
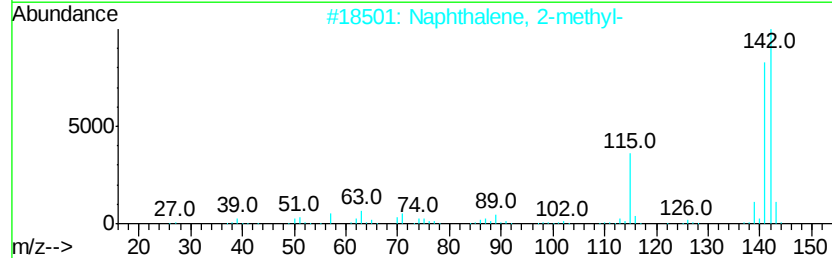
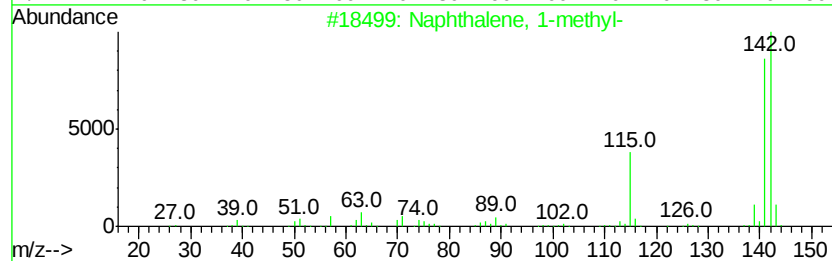
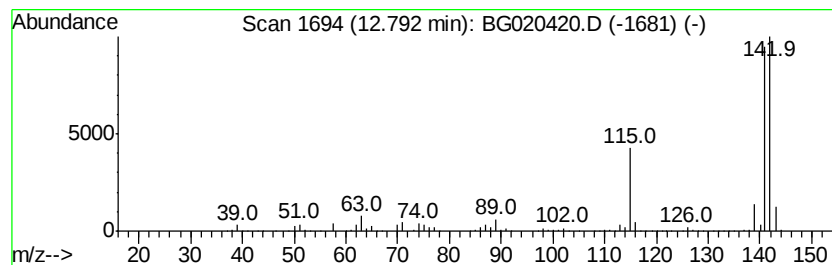
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	5.67 ng/ul	3571980	Naphthalene-d8	10.91

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



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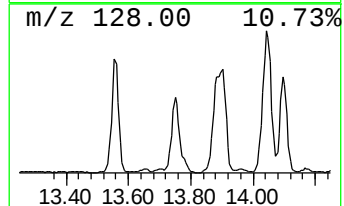
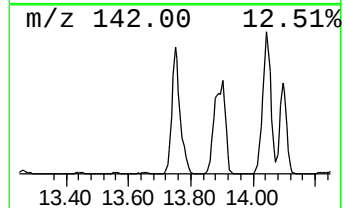
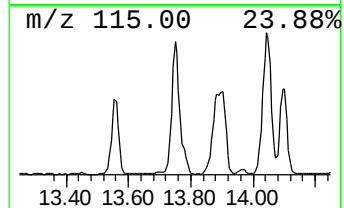
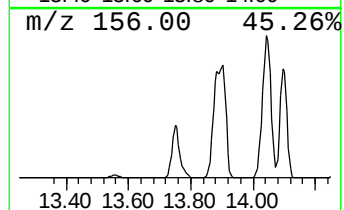
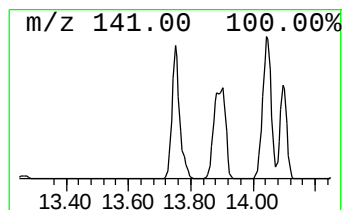
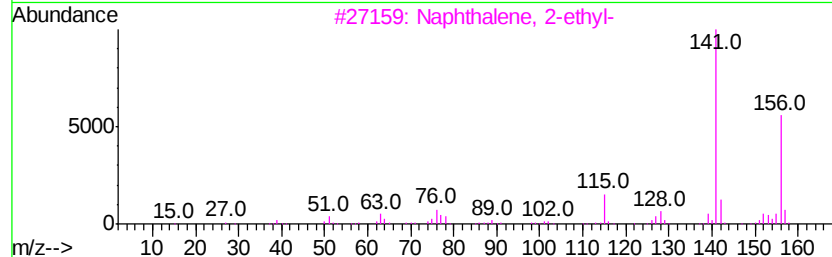
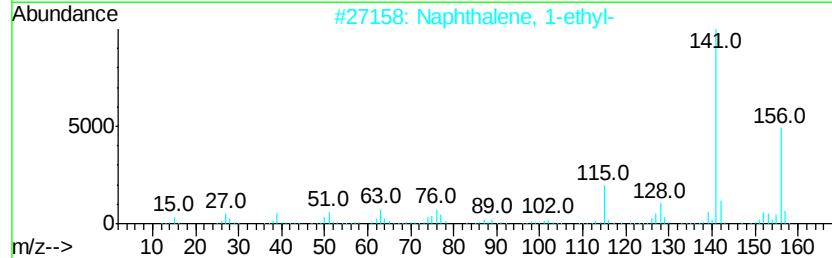
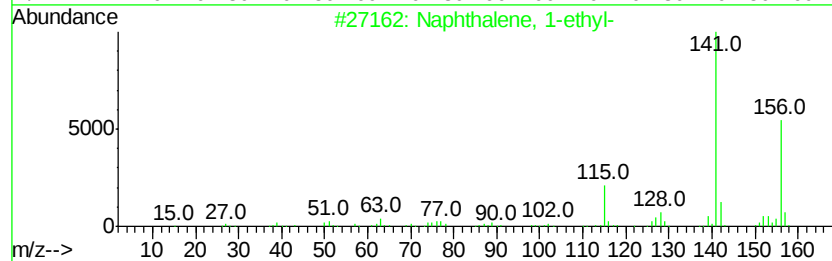
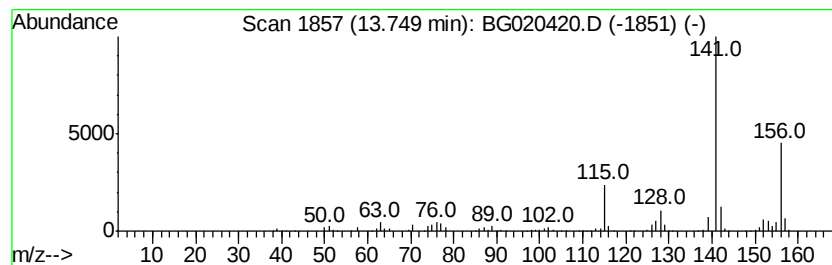
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	15.28 ng/ul	1055200	Acenaphthene-d10	14.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2		Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
4		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
5		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020420.D
Acq On : 22 Dec 2015 22:11
Operator : UM/SJ
Sample : G4848-05
Misc : MED LEVEL RX
ALS Vial : 13 Sample Multiplier: 1

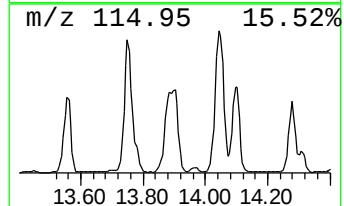
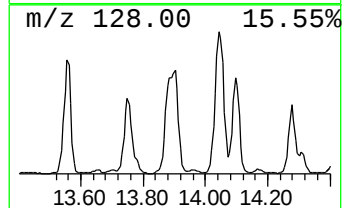
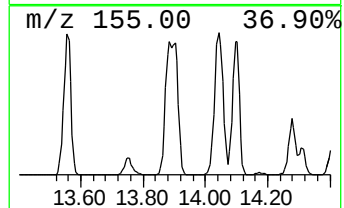
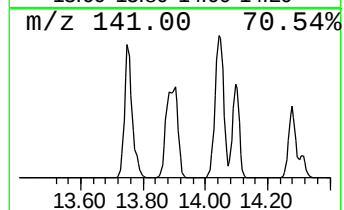
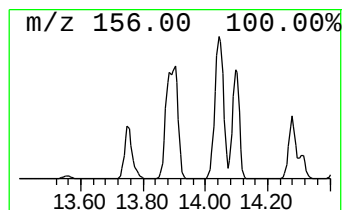
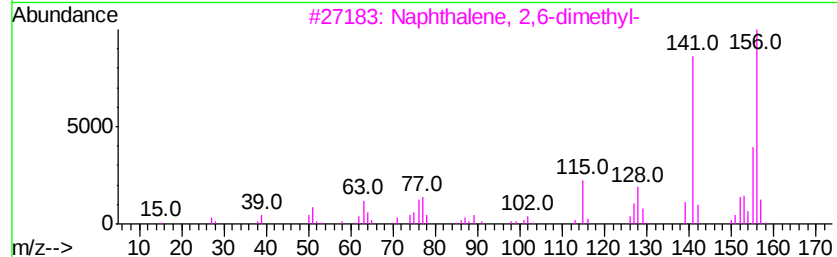
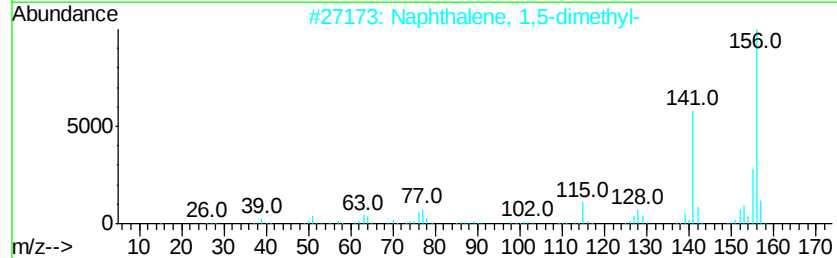
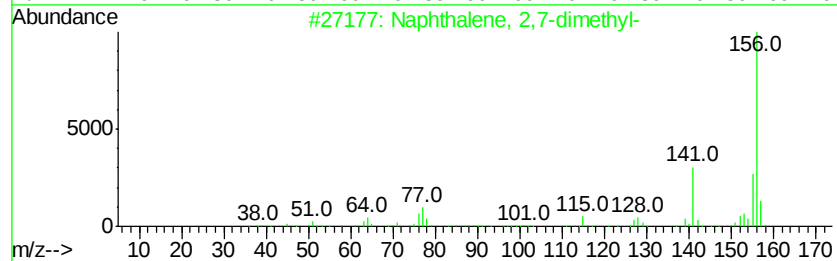
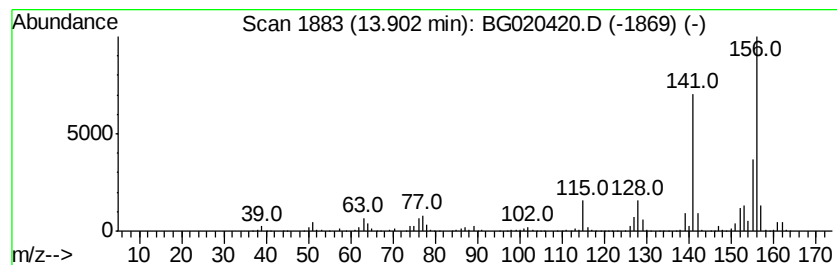
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

Peak Number 4 Naphthalene, 2,7-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	29.42 ng/ul	2031760	Acenaphthene-d10	14.72
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 97
2		Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9 96
3		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 96
4		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 96
5		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 96



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020420.D
Acq On : 22 Dec 2015 22:11
Operator : UM/SJ
Sample : G4848-05
Misc : MED LEVEL RX
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N51ME

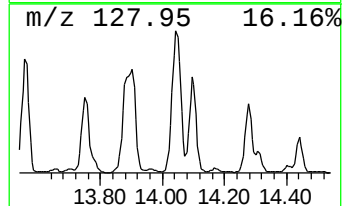
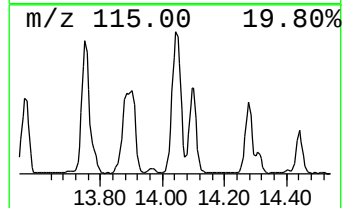
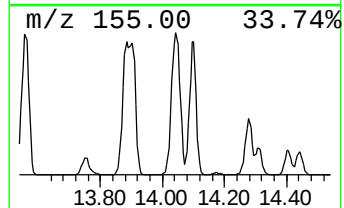
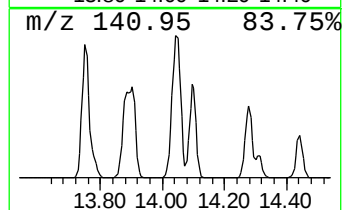
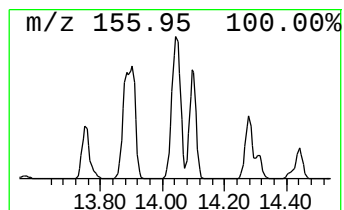
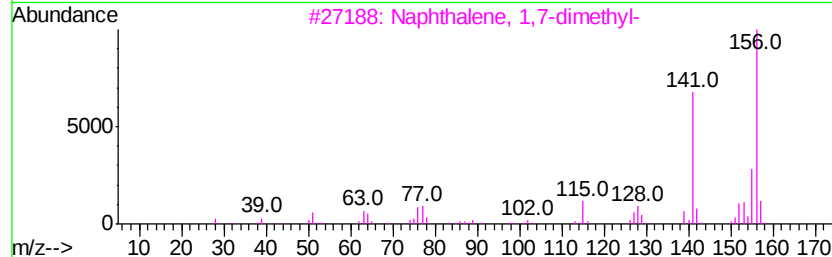
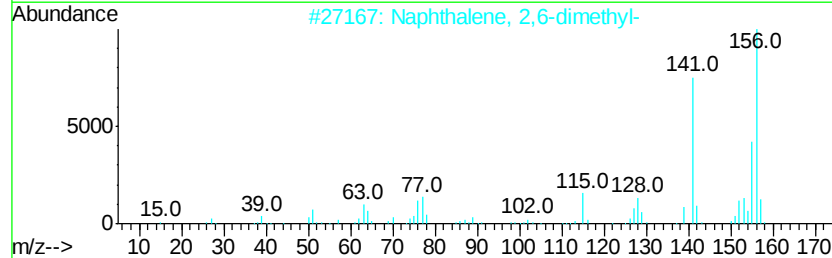
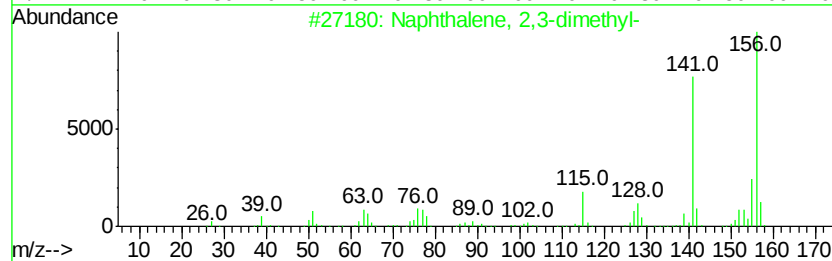
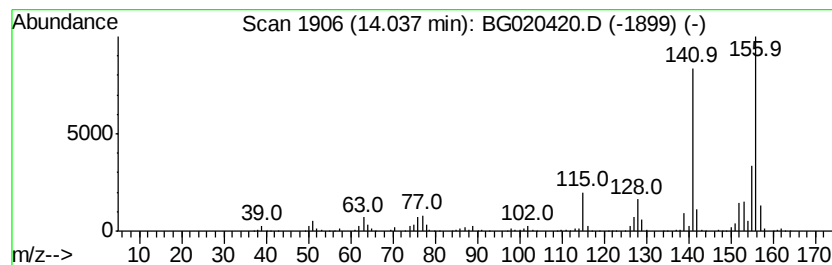
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Quant Title : SVOA CALIBRATION

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.
14.04	27.65 ng/ul	1909830	Acenaphthene-d10	14.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020420.D
Acq On : 22 Dec 2015 22:11
Operator : UM/SJ
Sample : G4848-05
Misc : MED LEVEL RX
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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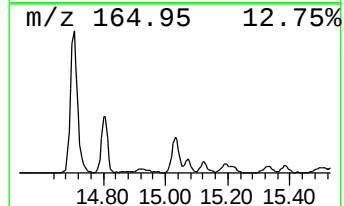
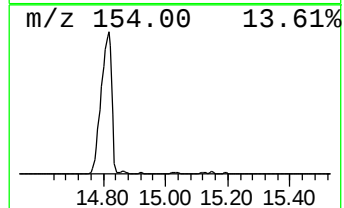
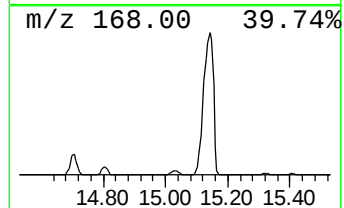
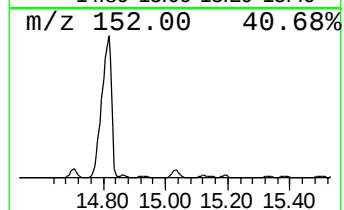
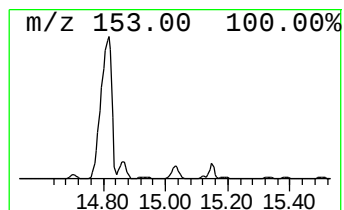
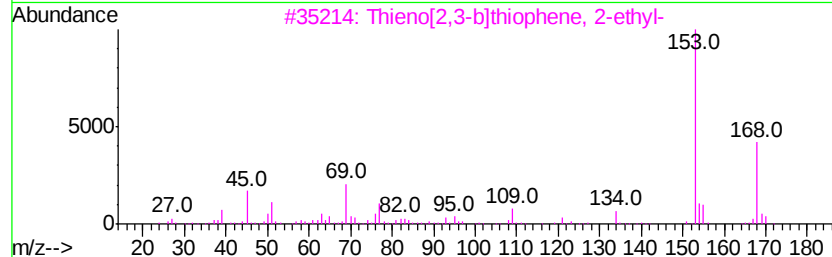
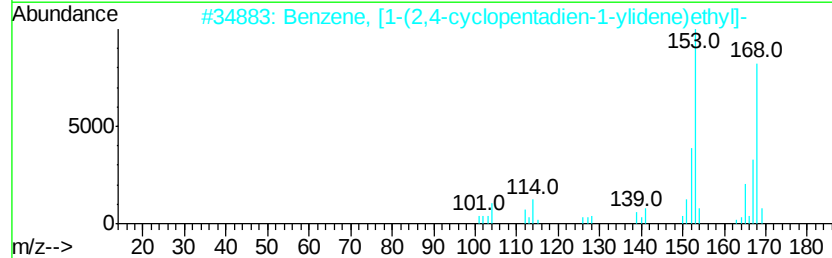
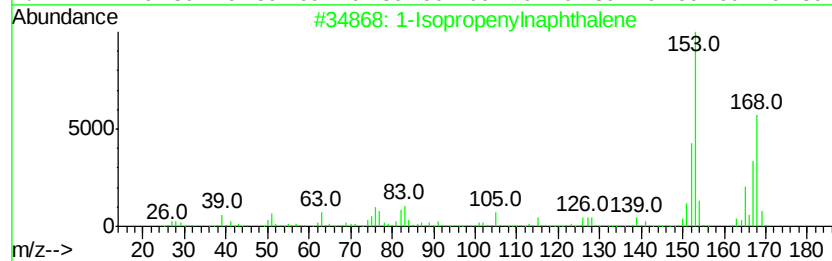
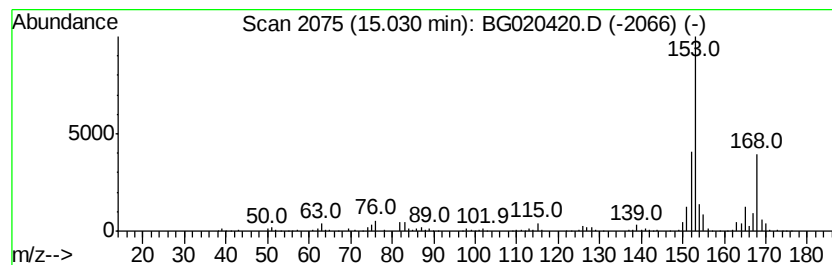
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 1-Isopropenylnaphthalene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	9.68 ng/ul	668365	Acenaphthene-d10	14.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	83
2		Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
3		Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	50
4		Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	49
5		Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	47



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020420.D
Acq On : 22 Dec 2015 22:11
Operator : UM/SJ
Sample : G4848-05
Misc : MED LEVEL RX
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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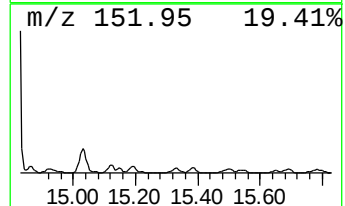
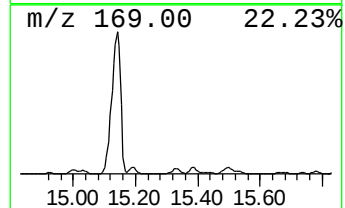
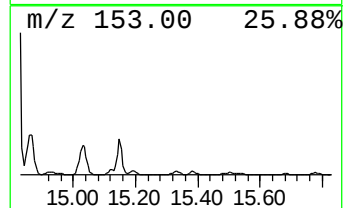
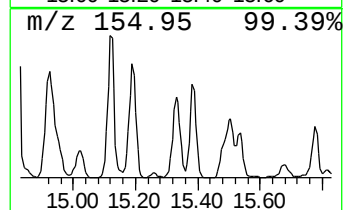
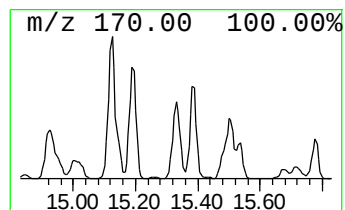
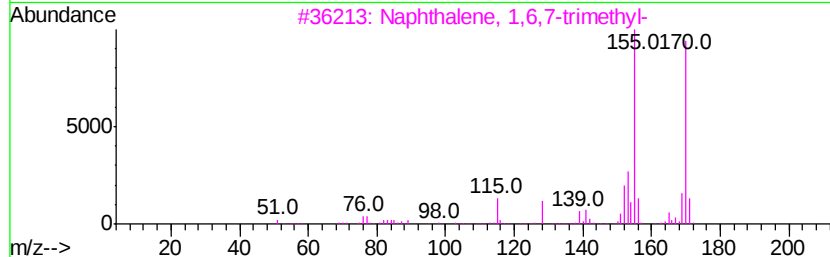
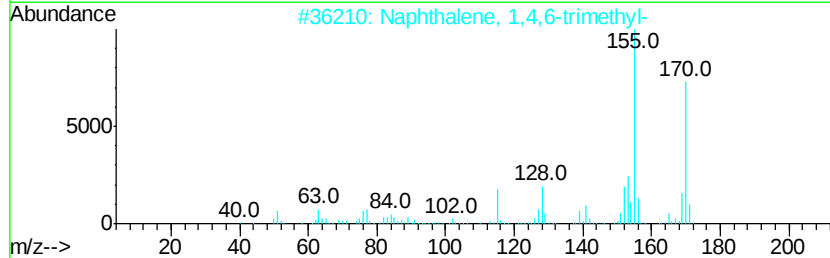
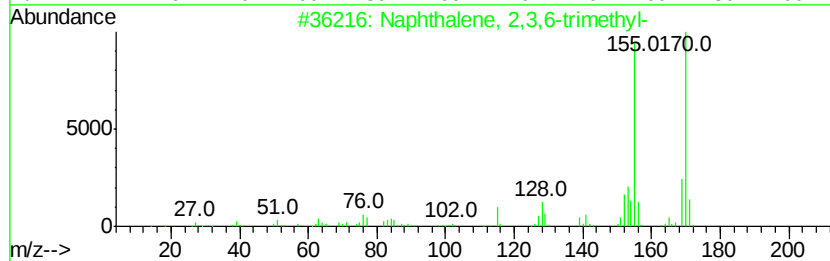
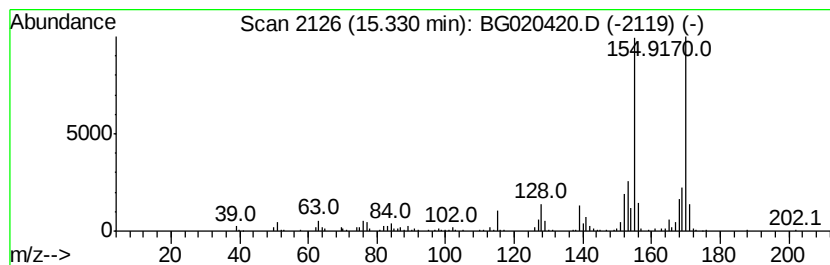
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	5.47 ng/ul	377517	Acenaphthene-d10	14.72

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	97
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
5		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020420.D
Acq On : 22 Dec 2015 22:11
Operator : UM/SJ
Sample : G4848-05
Misc : MED LEVEL RX
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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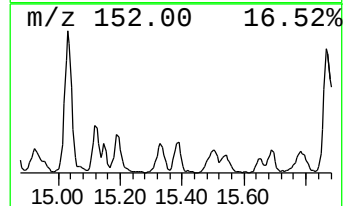
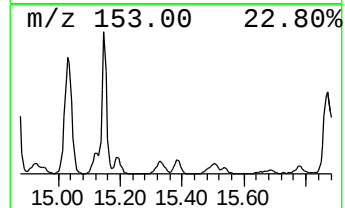
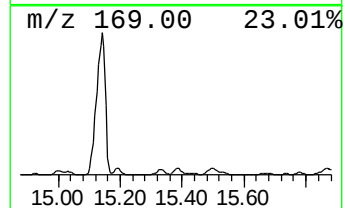
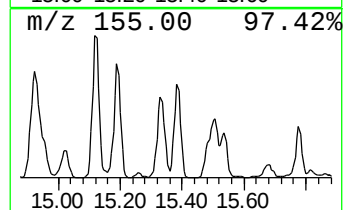
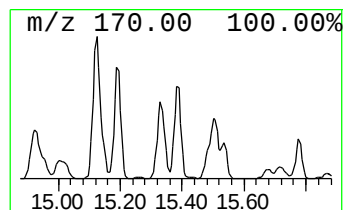
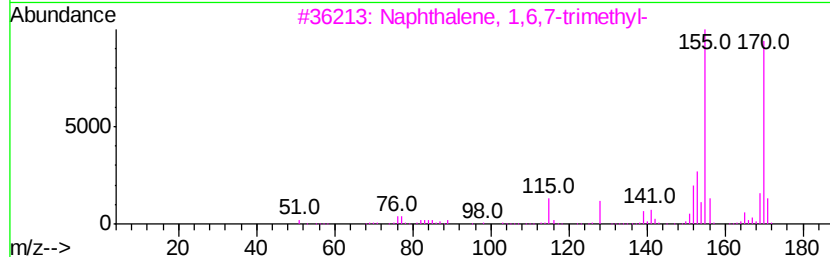
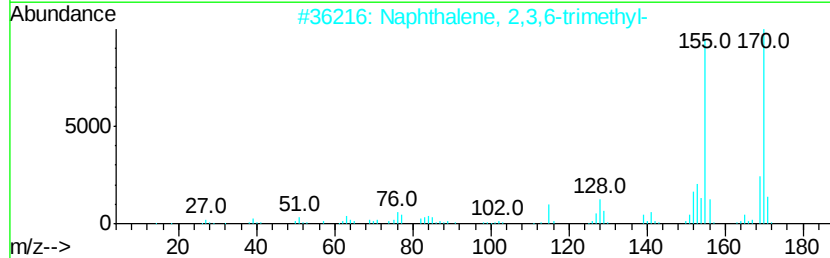
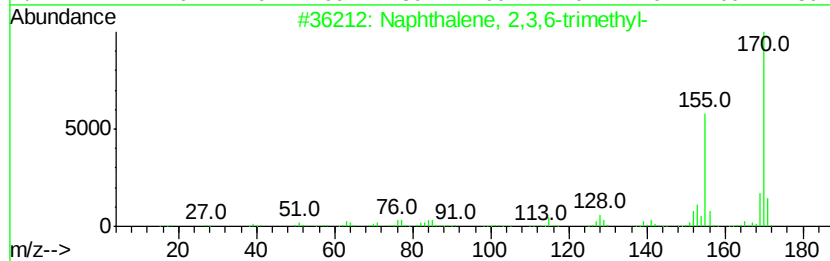
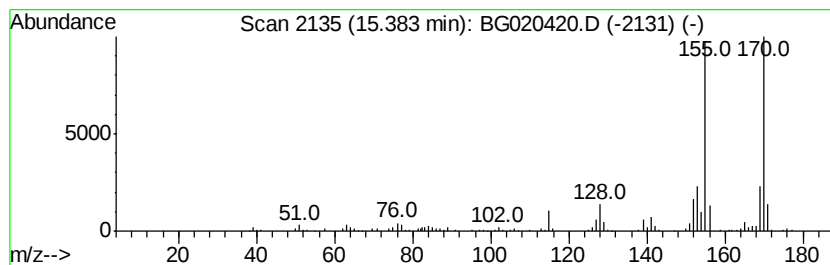
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 Naphthalene, 1,6,7-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	5.23 ng/ul	361340	Acenaphthene-d10	14.72

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020420.D
Acq On : 22 Dec 2015 22:11
Operator : UM/SJ
Sample : G4848-05
Misc : MED LEVEL RX
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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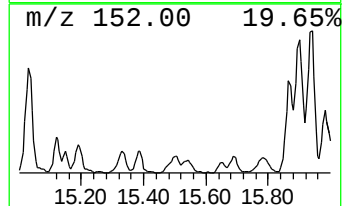
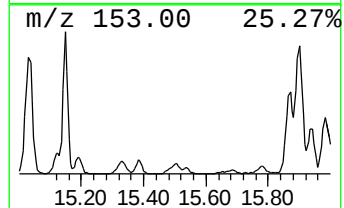
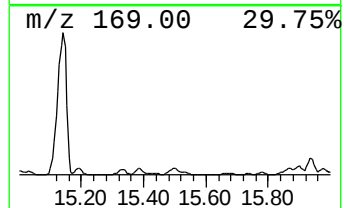
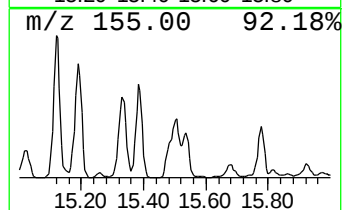
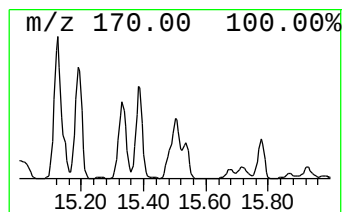
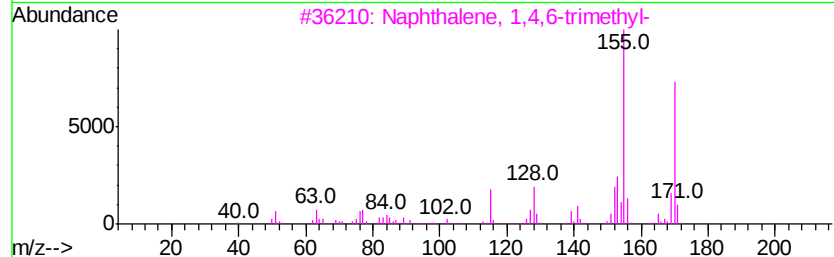
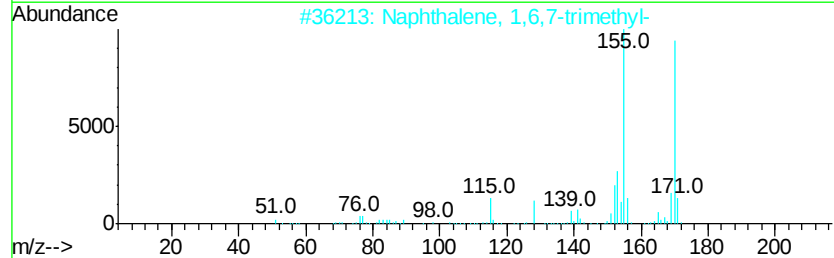
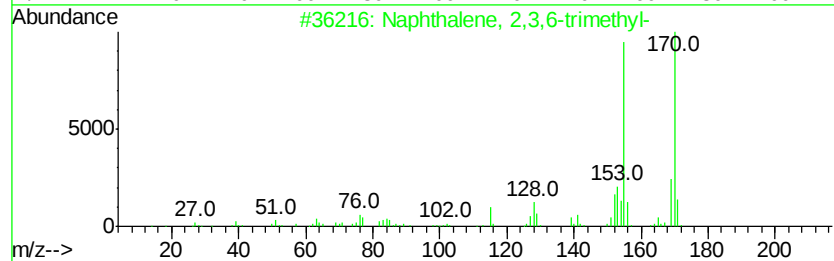
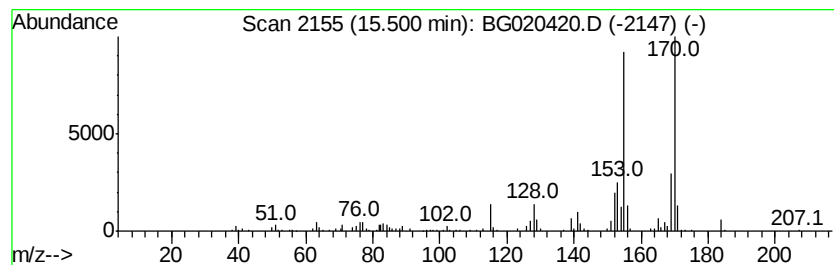
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 Naphthalene, 1,4,6-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.50	5.22 ng/ul	360725	Acenaphthene-d10	14.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
3			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
5			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020420.D
Acq On : 22 Dec 2015 22:11
Operator : UM/SJ
Sample : G4848-05
Misc : MED LEVEL RX
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
D9N51ME

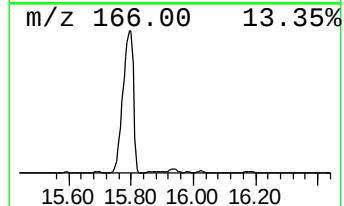
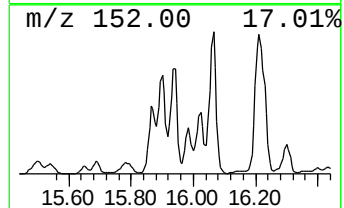
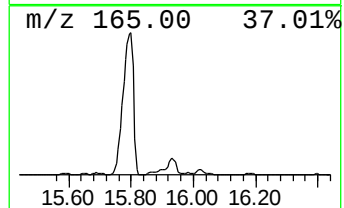
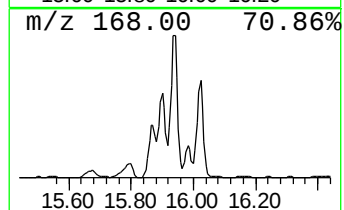
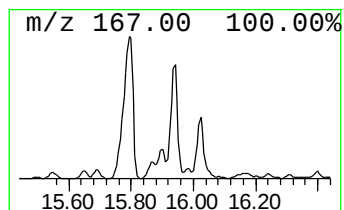
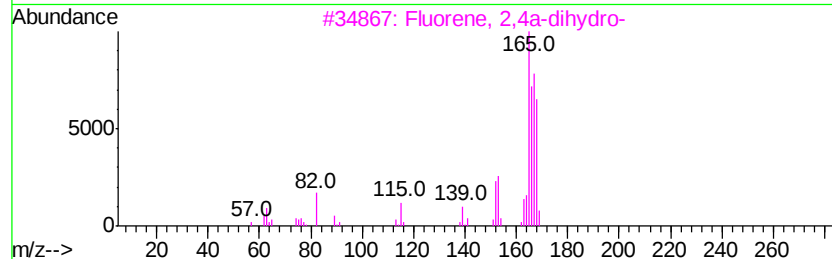
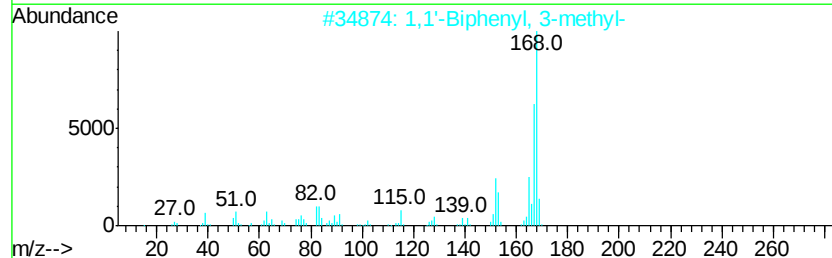
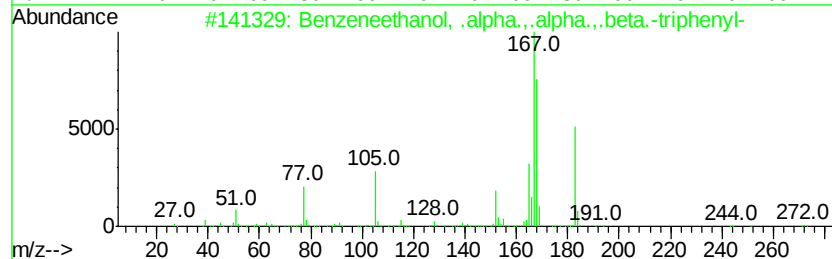
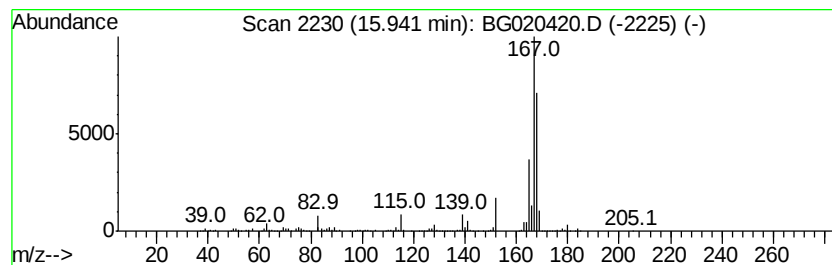
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 Benzeneethanol, .alpha.,.al... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	24.95 ng/ul	1723150	Acenaphthene-d10	14.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	64
2		1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	53
3		Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	53
4		Nordiphenamid	225	C15H15NO	000954-21-2	52
5		1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	50



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020420.D
Acq On : 22 Dec 2015 22:11
Operator : UM/SJ
Sample : G4848-05
Misc : MED LEVEL RX
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N51ME

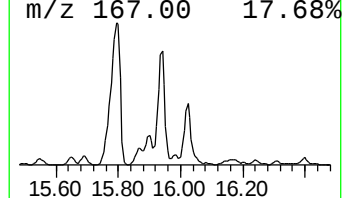
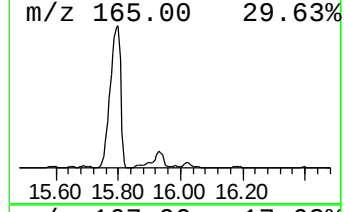
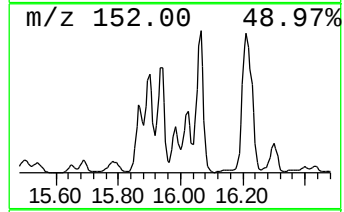
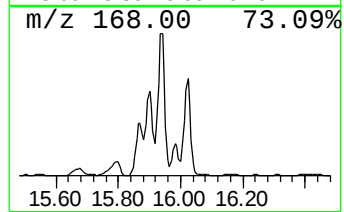
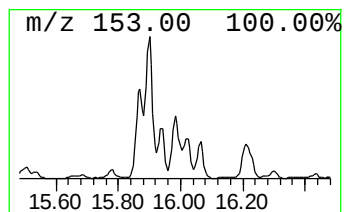
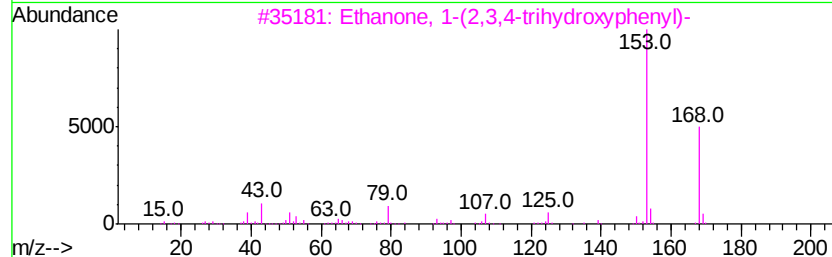
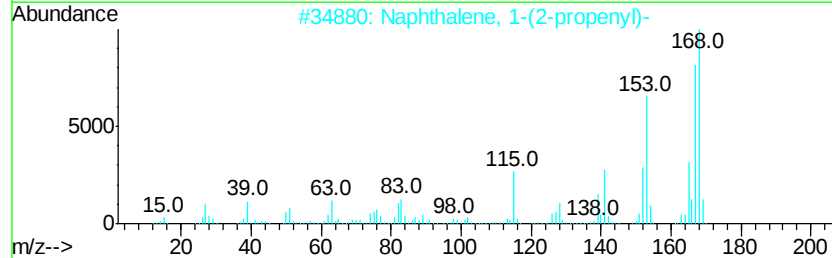
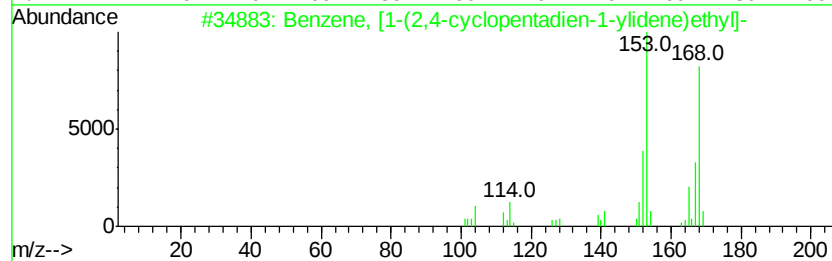
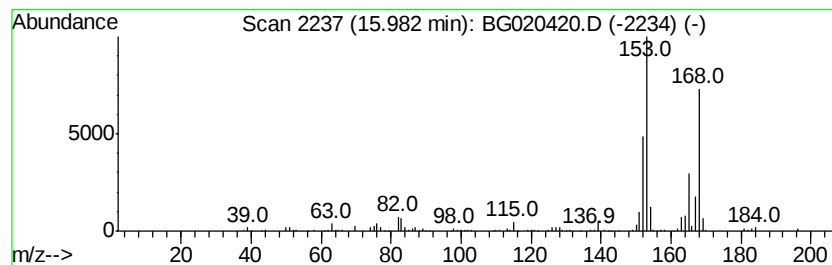
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 Benzene, [1-(2,4-cyclopenta... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	5.68 ng/ul	392030	Acenaphthene-d10	14.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	59
2			Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	56
3			Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	49
4			5-Acetyl-2-methyl-3-thiophenecar...	168	C8H8O2S	090345-55-4	38
5			1-Isopropenylnaphthalene	168	C13H12	001855-47-6	35



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020420.D
Acq On : 22 Dec 2015 22:11
Operator : UM/SJ
Sample : G4848-05
Misc : MED LEVEL RX
ALS Vial : 13 Sample Multiplier: 1

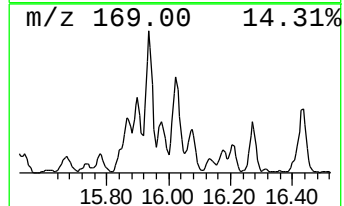
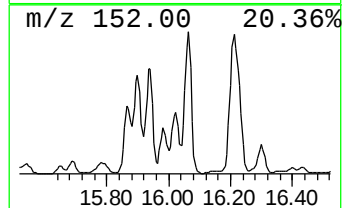
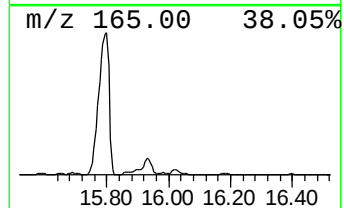
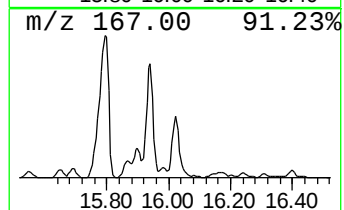
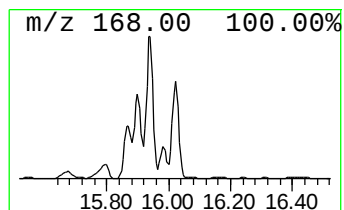
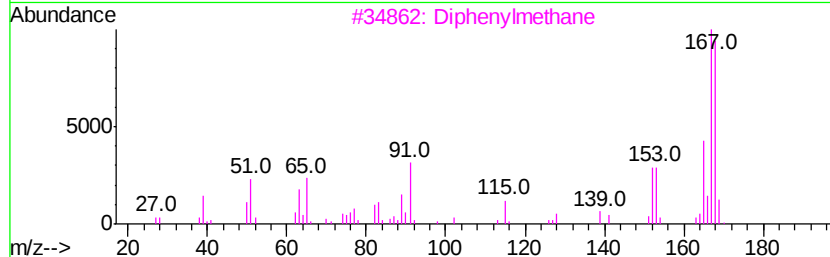
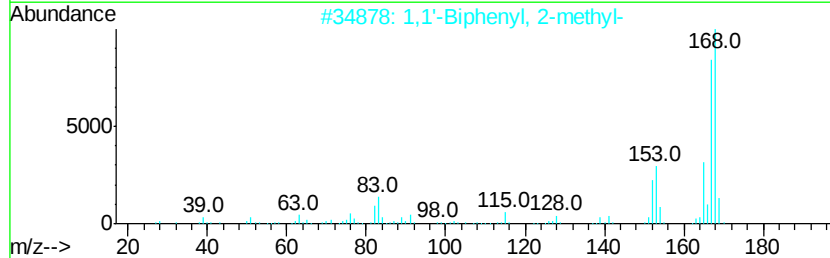
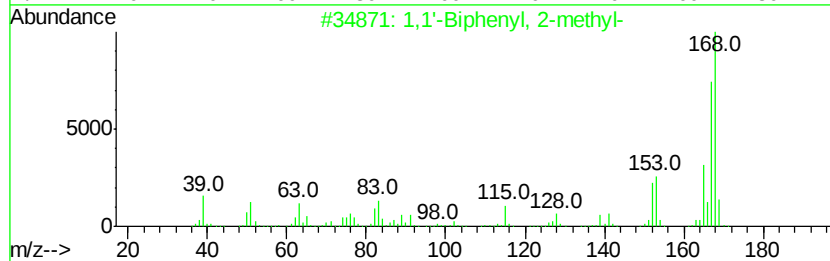
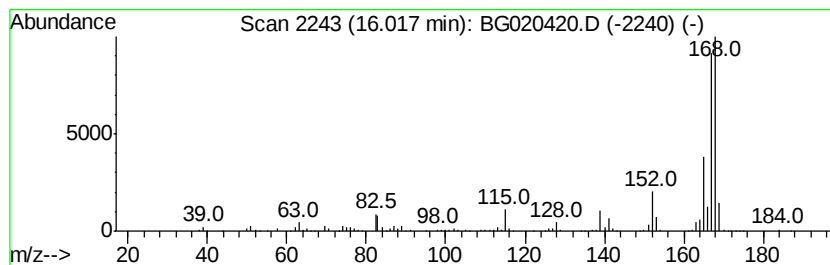
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 1,1'-Biphenyl, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	12.64 ng/ul	872777	Acenaphthene-d10	14.72
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1,1'-Biphenyl, 2-methyl-	168 C13H12	000643-58-3 87
2		1,1'-Biphenyl, 2-methyl-	168 C13H12	000643-58-3 87
3		Diphenylmethane	168 C13H12	000101-81-5 83
4		Nordiphenamid	225 C15H15NO	000954-21-2 83
5		Diphenylmethane	168 C13H12	000101-81-5 83



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020420.D
Acq On : 22 Dec 2015 22:11
Operator : UM/SJ
Sample : G4848-05
Misc : MED LEVEL RX
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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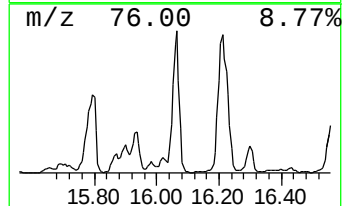
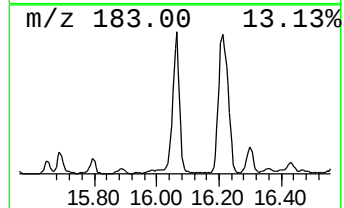
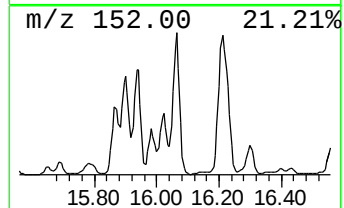
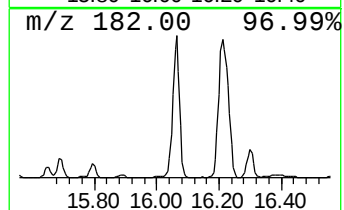
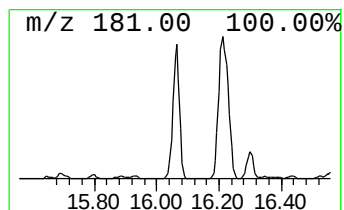
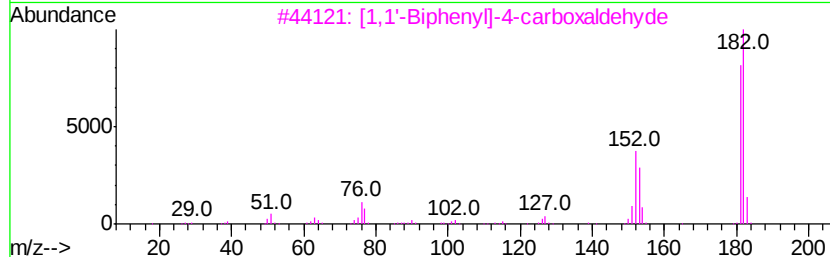
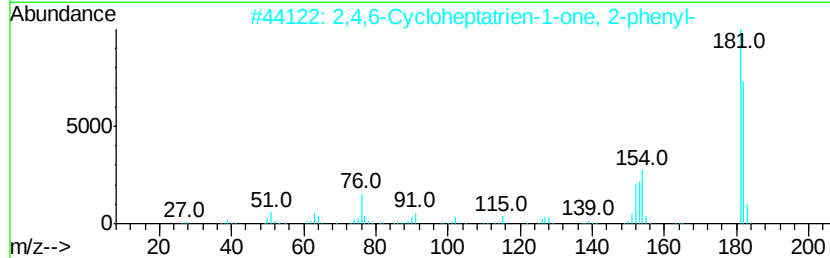
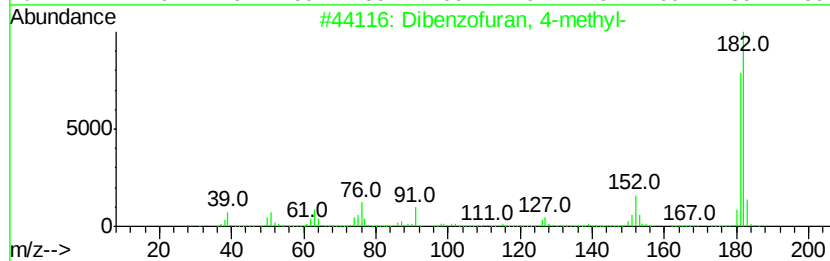
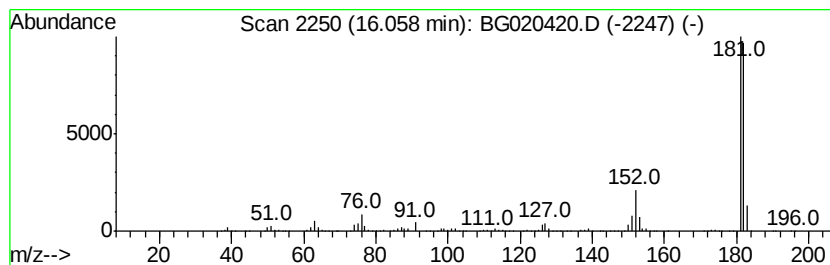
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	24.02 ng/ul	1658930	Acenaphthene-d10	14.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2		2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
3		[1,1'-Biphenyl]-4-carboxaldehyd...	182	C13H10O	003218-36-8	80
4		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5		6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	64



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020420.D
Acq On : 22 Dec 2015 22:11
Operator : UM/SJ
Sample : G4848-05
Misc : MED LEVEL RX
ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId :
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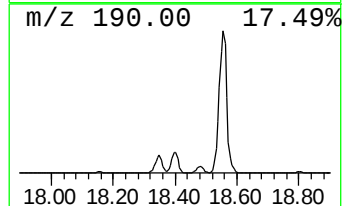
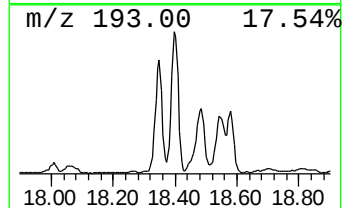
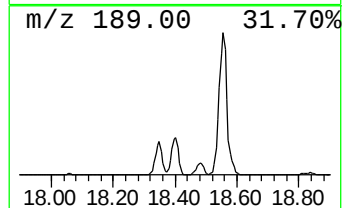
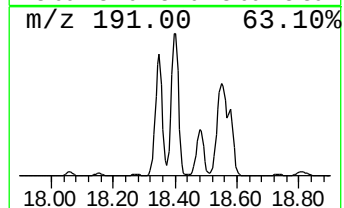
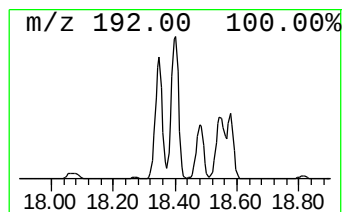
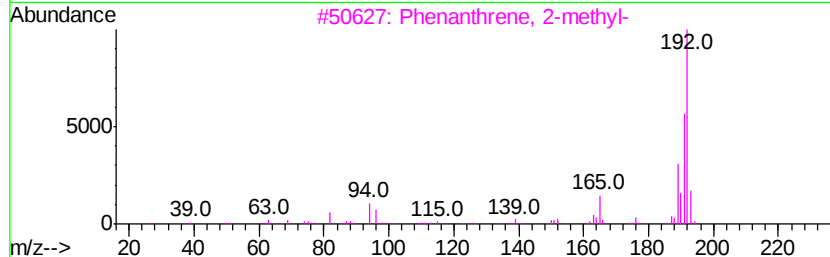
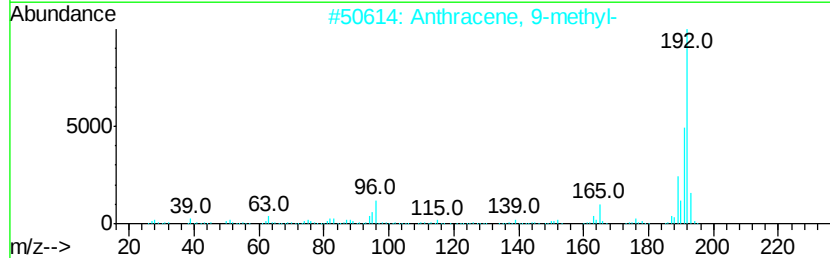
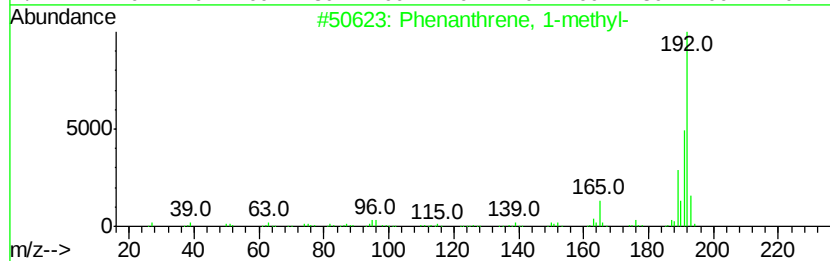
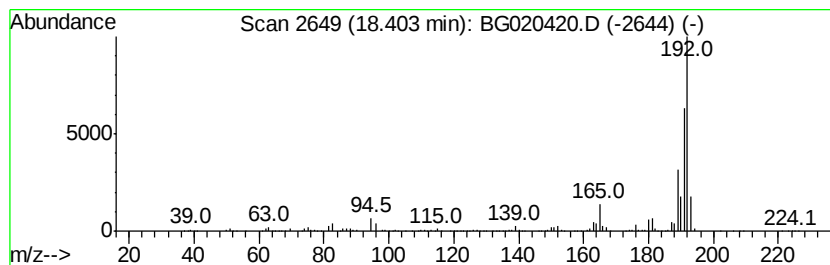
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	2.25 ng/ul	3006660	Phenanthrene-d10	17.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2		Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020420.D
Acq On : 22 Dec 2015 22:11
Operator : UM/SJ
Sample : G4848-05
Misc : MED LEVEL RX
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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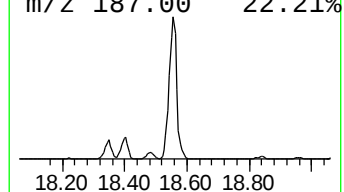
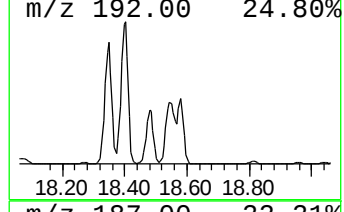
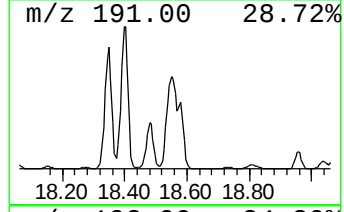
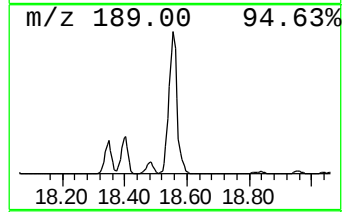
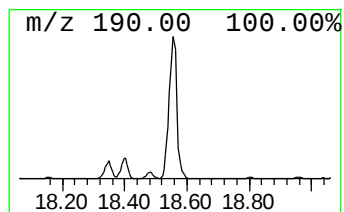
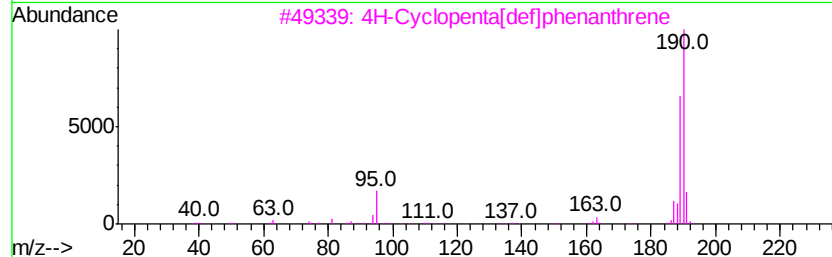
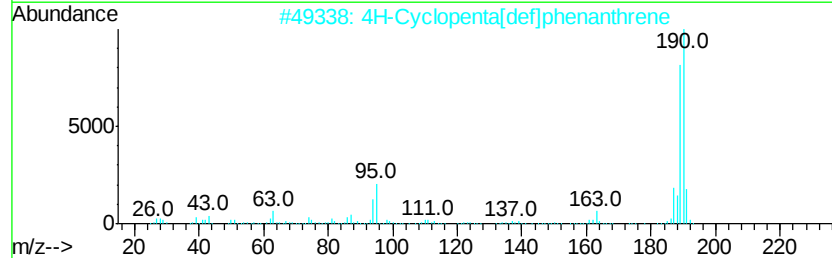
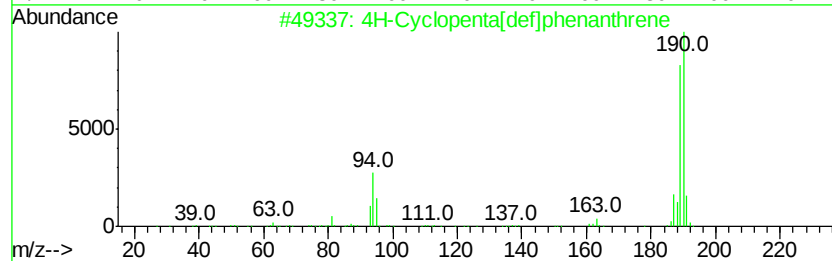
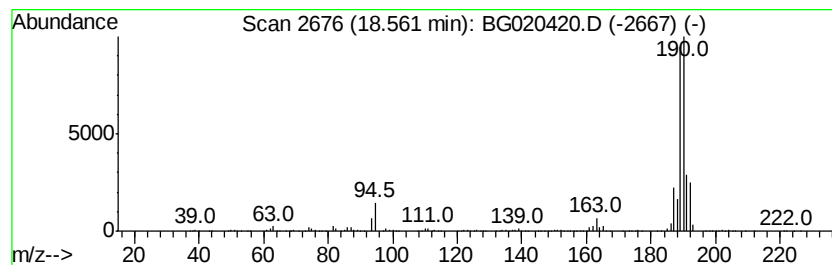
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	4.30 ng/ul	5736700	Phenanthrene-d10	17.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
4		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	64
5		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BCl03S	036155-87-0	52



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020420.D
Acq On : 22 Dec 2015 22:11
Operator : UM/SJ
Sample : G4848-05
Misc : MED LEVEL RX
ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId :
D9N51ME

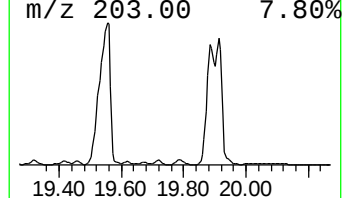
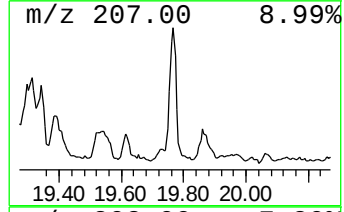
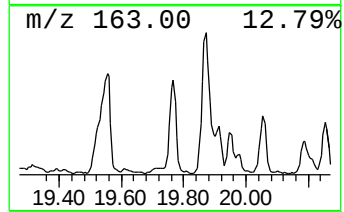
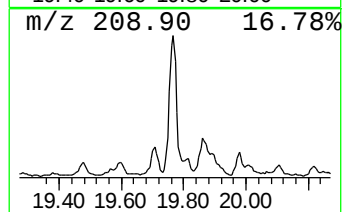
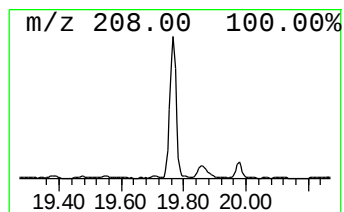
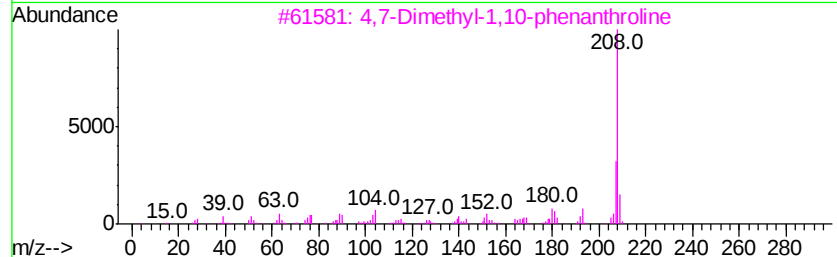
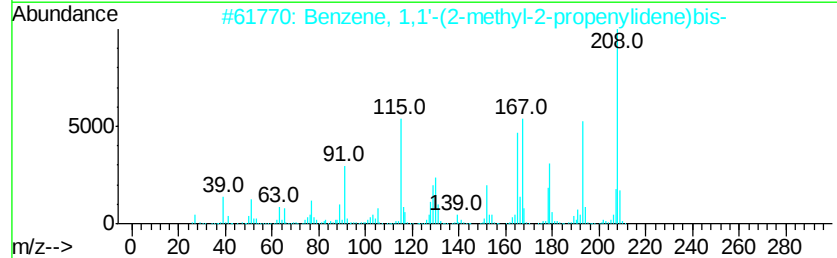
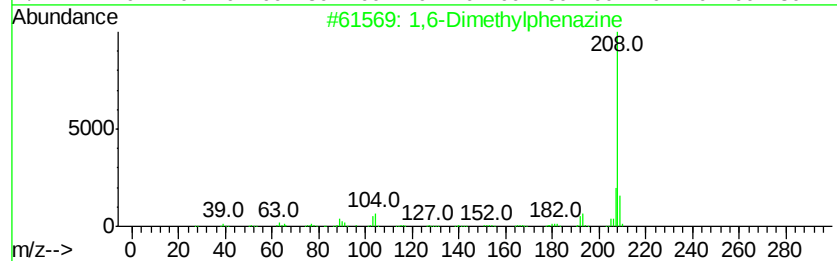
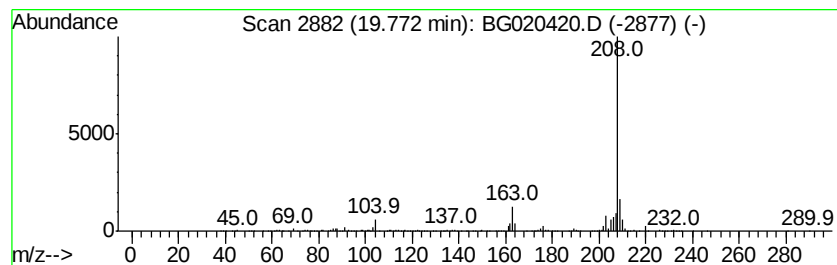
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 1,6-Dimethylphenazine Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	2.18 ng/ul	505240	Chrysene-d12	21.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,6-Dimethylphenazine	208	C14H12N2	058718-43-7	64
2		Benzene, 1,1'-(2-methyl-2-propen...	208	C16H16	070813-56-8	59
3		4,7-Dimethyl-1,10-phenanthroline	208	C14H12N2	003248-05-3	59
4		4,7-Dimethyl-1,10-phenanthroline	208	C14H12N2	003248-05-3	59
5		1,10-Phenanthroline, 2,9-dimethyl-	208	C14H12N2	000484-11-7	59



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020420.D
Acq On : 22 Dec 2015 22:11
Operator : UM/SJ
Sample : G4848-05
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ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
D9N51ME

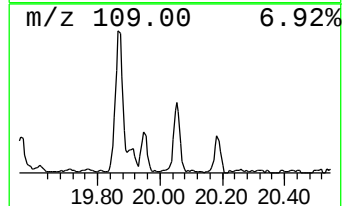
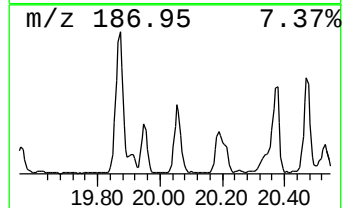
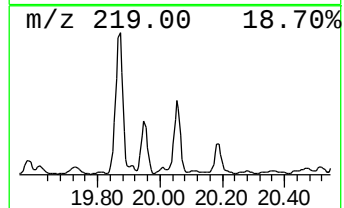
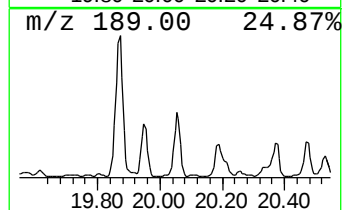
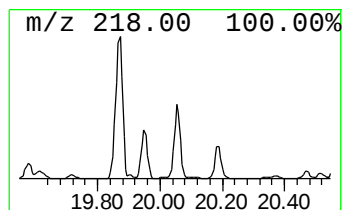
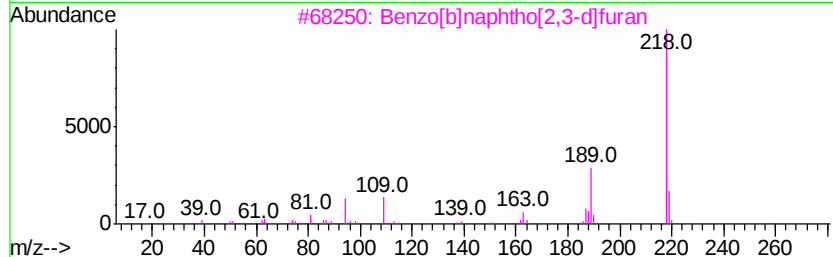
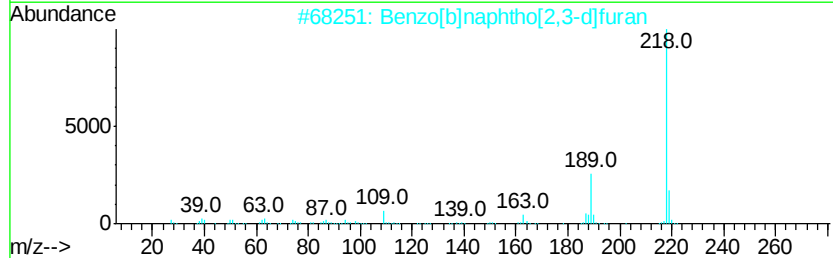
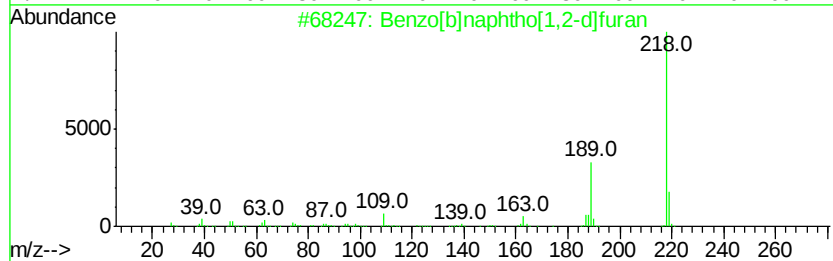
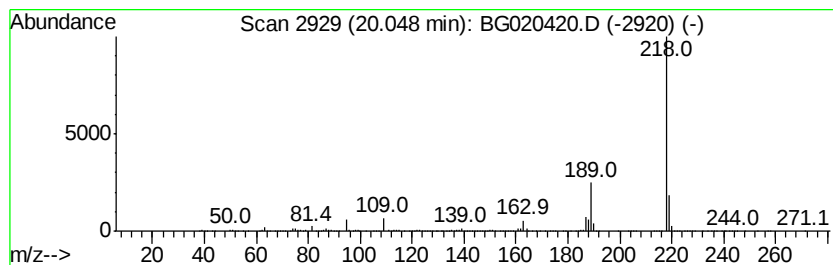
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Quant Title : SVOA CALIBRATION

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.
20.05	3.96 ng/u1	919835	Chrysene-d12	21.75

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	97
2			Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	95
3			Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
4			Benzo[k]l[xanthene	218	C16H10O	000200-23-7	94
5			Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	93



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020420.D
Acq On : 22 Dec 2015 22:11
Operator : UM/SJ
Sample : G4848-05
Misc : MED LEVEL RX
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N51ME

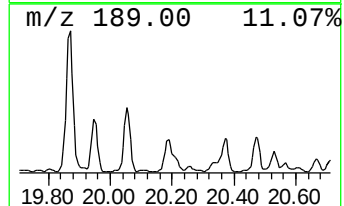
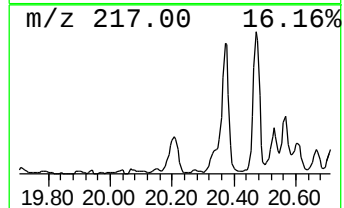
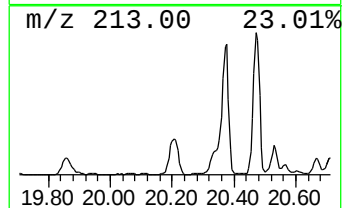
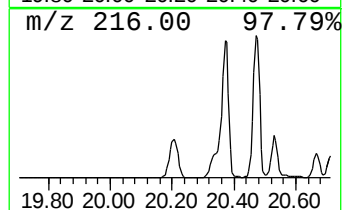
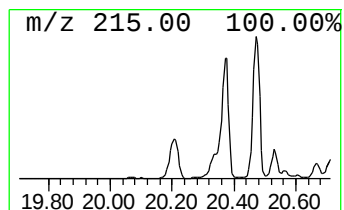
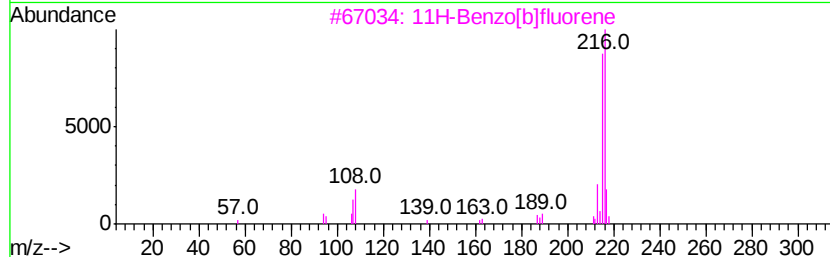
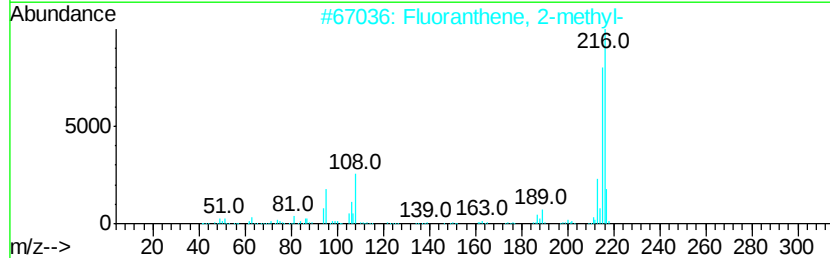
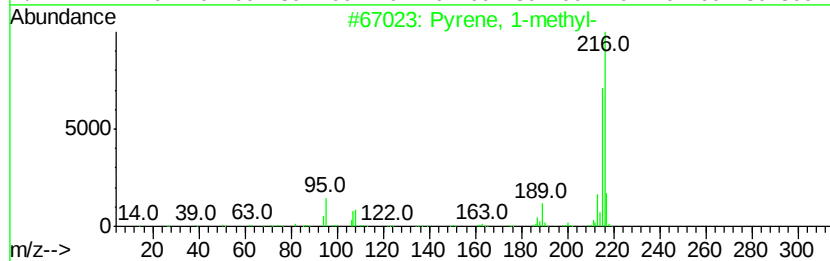
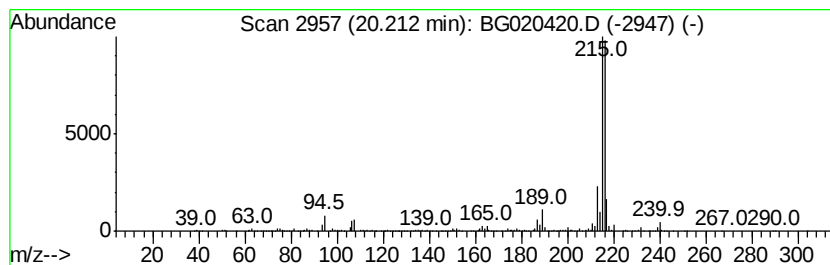
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.21	5.91 ng/ul	1371640	Chrysene-d12	21.75

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020420.D
Acq On : 22 Dec 2015 22:11
Operator : UM/SJ
Sample : G4848-05
Misc : MED LEVEL RX
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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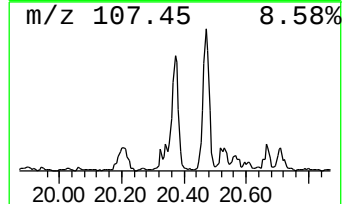
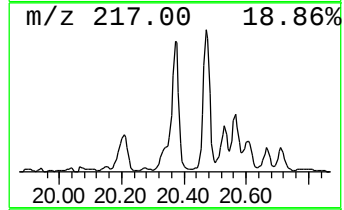
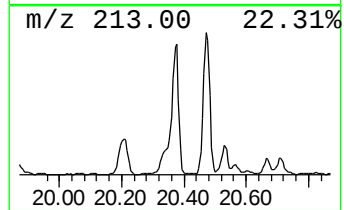
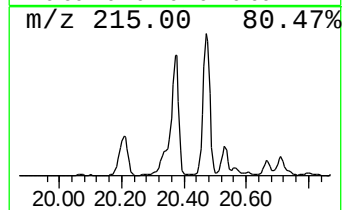
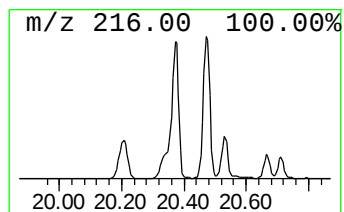
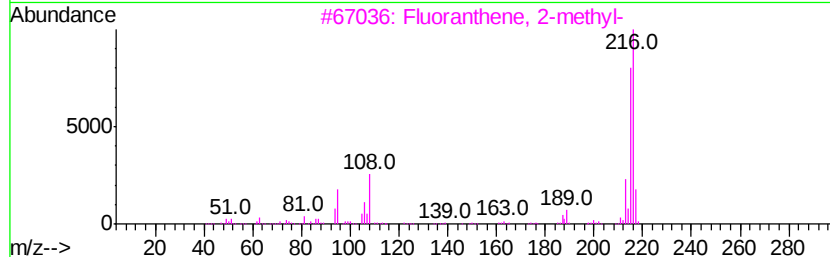
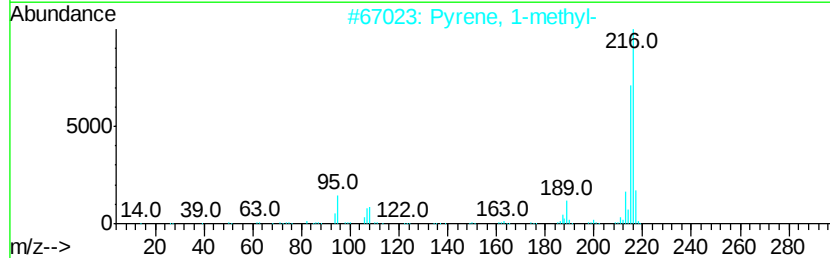
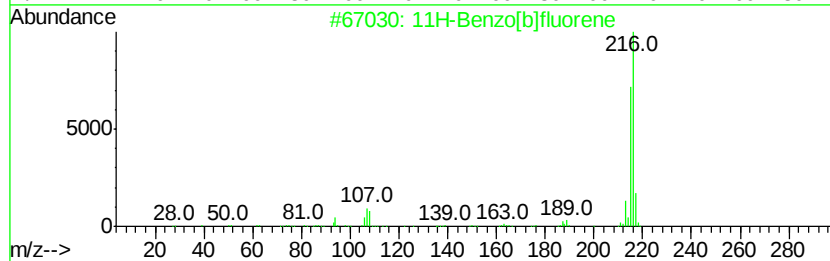
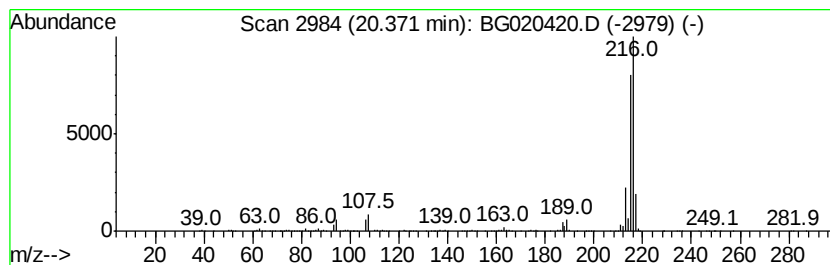
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.37	10.43 ng/ul	2420020	Chrysene-d12	21.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020420.D
Acq On : 22 Dec 2015 22:11
Operator : UM/SJ
Sample : G4848-05
Misc : MED LEVEL RX
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N51ME

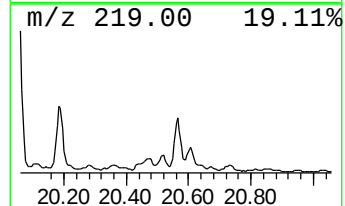
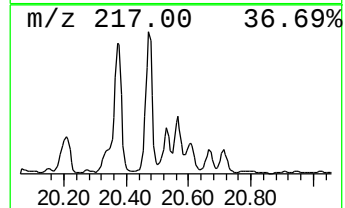
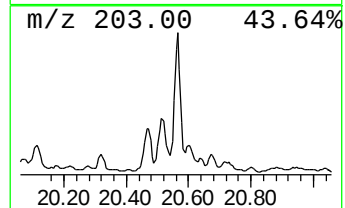
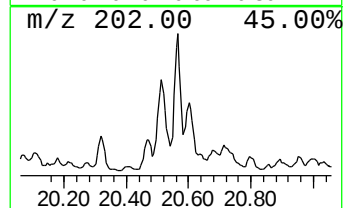
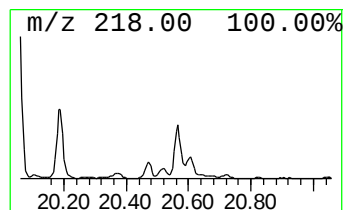
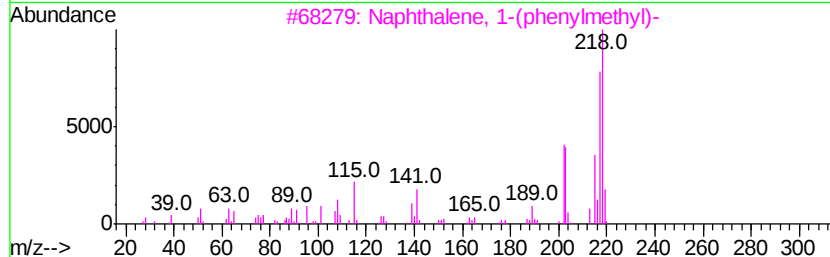
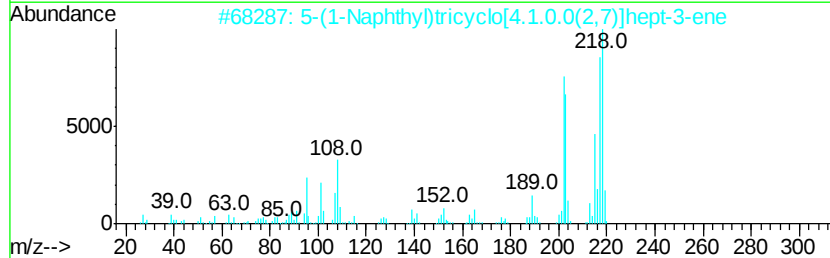
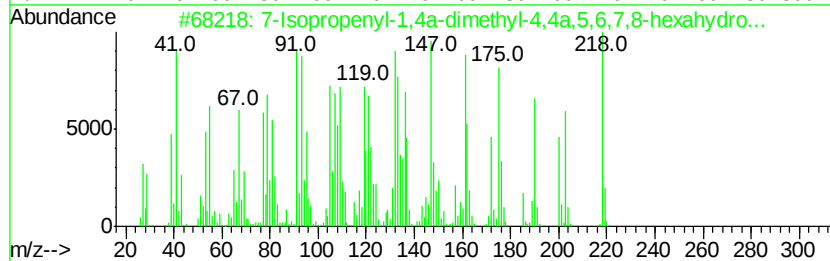
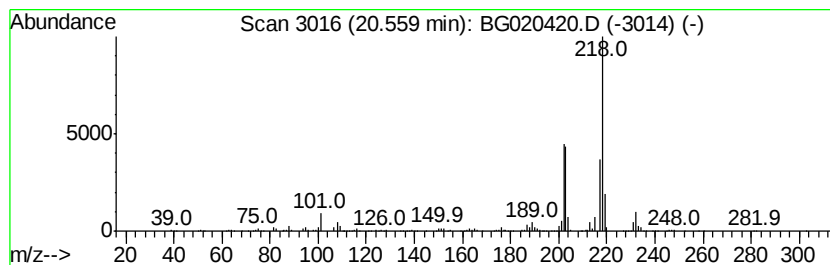
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 7-Isopropenyl-1,4a-dimethyl... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.56	2.10 ng/ul	488292	Chrysene-d12	21.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	7-Isopropenyl-1,4a-dimethyl-4,4a...	218	C15H22O	000473-08-5	87
2		5-(1-Naphthyl)tricyclo[4.1.0.0(2...	218	C17H14	107729-05-5	74
3		Naphthalene, 1-(phenylmethyl)-	218	C17H14	000611-45-0	72
4		Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	58
5		2-Chloro-5,6-dimethyl-1-(2-propy...	218	C12H11ClN2	080276-20-6	53



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020420.D
Acq On : 22 Dec 2015 22:11
Operator : UM/SJ
Sample : G4848-05
Misc : MED LEVEL RX
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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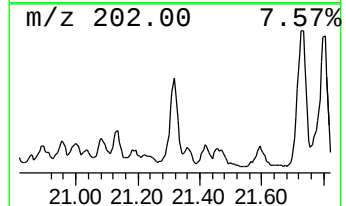
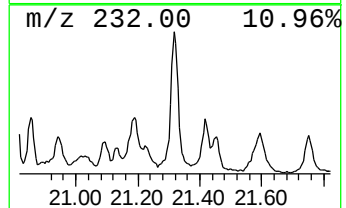
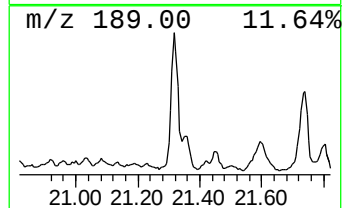
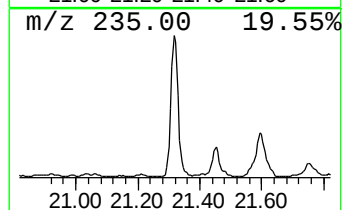
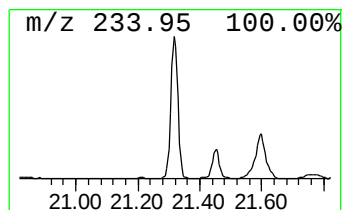
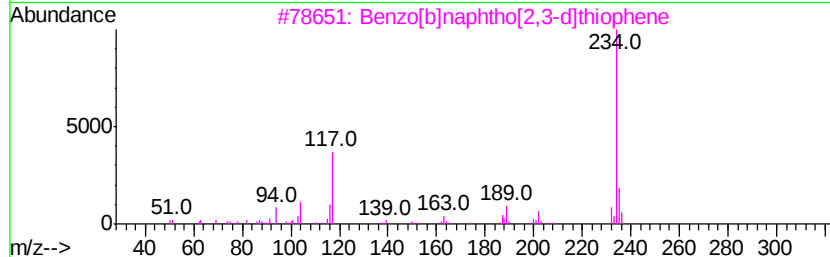
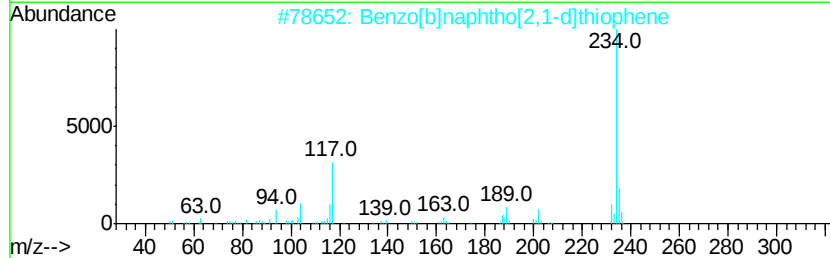
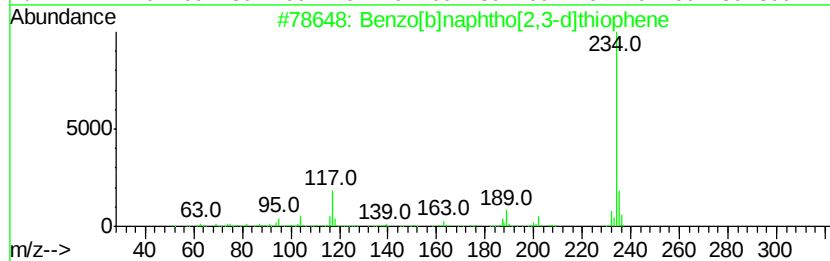
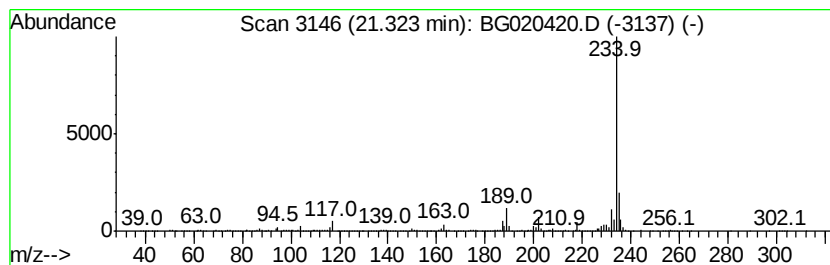
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.32	3.63 ng/ul	843311	Chrysene-d12	21.75

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
2			Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3			Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
4			Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
5			Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	91



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020420.D
Acq On : 22 Dec 2015 22:11
Operator : UM/SJ
Sample : G4848-05
Misc : MED LEVEL RX
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N51ME

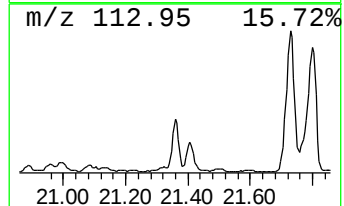
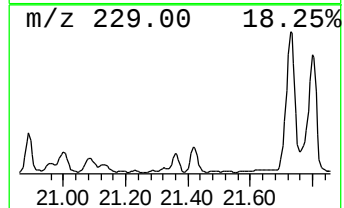
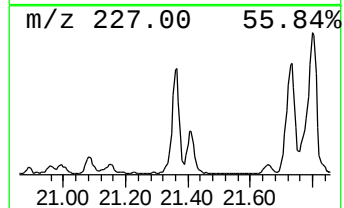
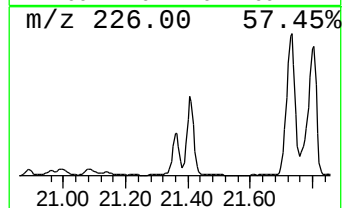
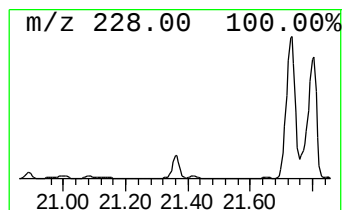
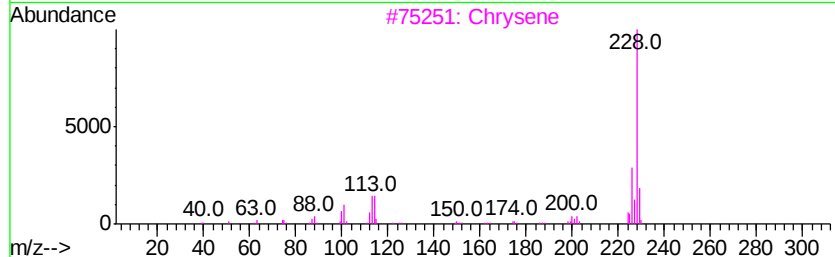
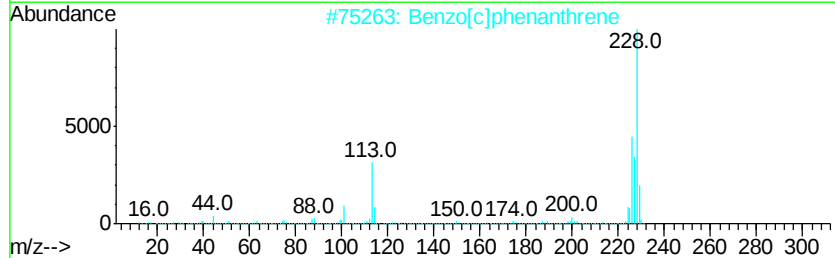
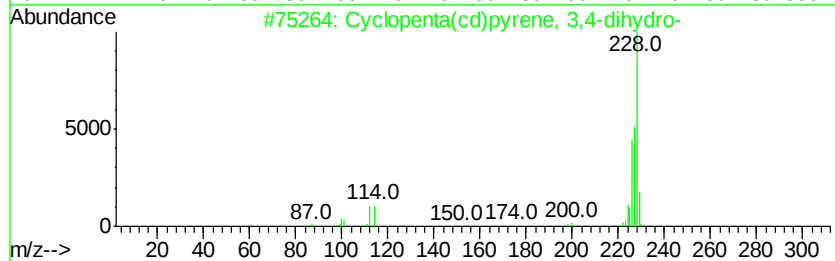
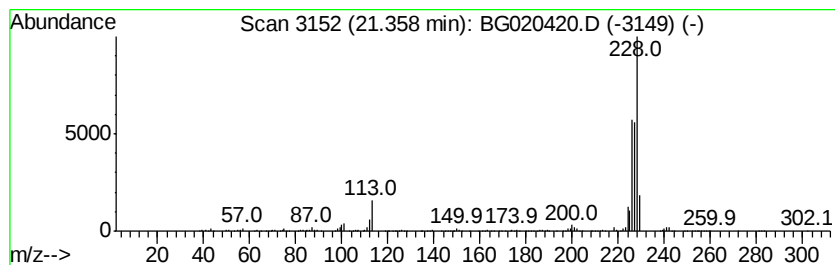
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Quant Title : SVOA CALIBRATION

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

Peak Number 27 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.36	3.09 ng/ul	716802	Chrysene-d12	21.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	83
2		Benzo[c]phenanthrene	228	C18H12	000195-19-7	53
3		Chrysene	228	C18H12	000218-01-9	49
4		Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
5		2-Nitrophenyl selenocyanate	228	C7H4N2O2Se	051694-22-5	47



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020420.D
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Operator : UM/SJ
Sample : G4848-05
Misc : MED LEVEL RX
ALS Vial : 13 Sample Multiplier: 1

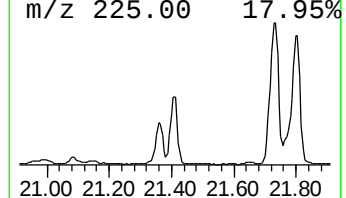
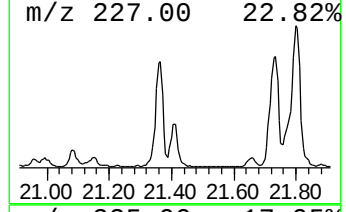
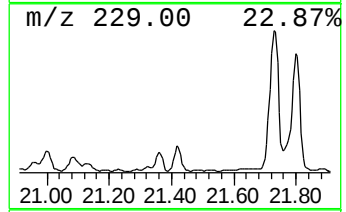
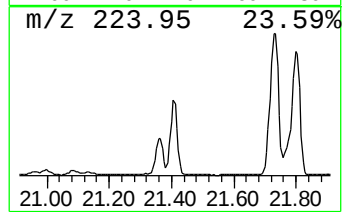
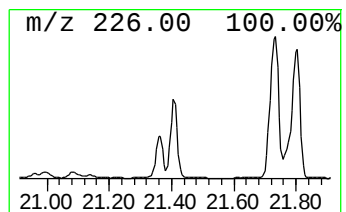
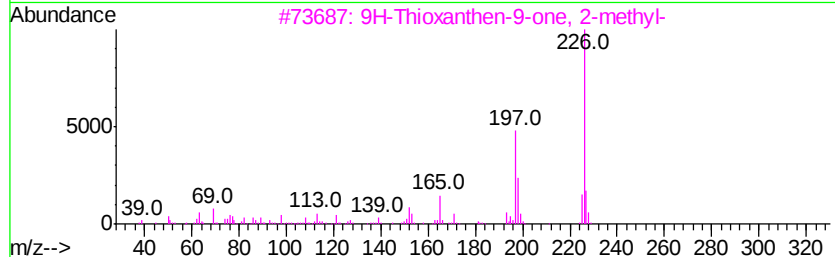
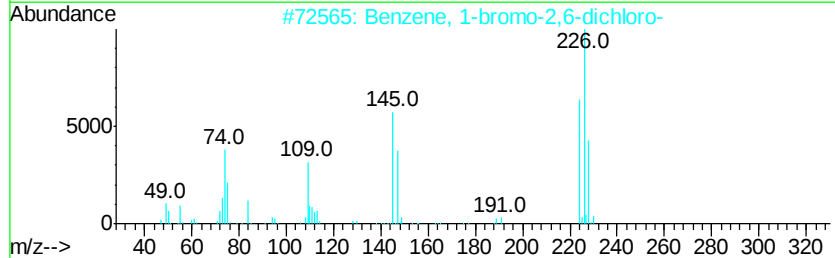
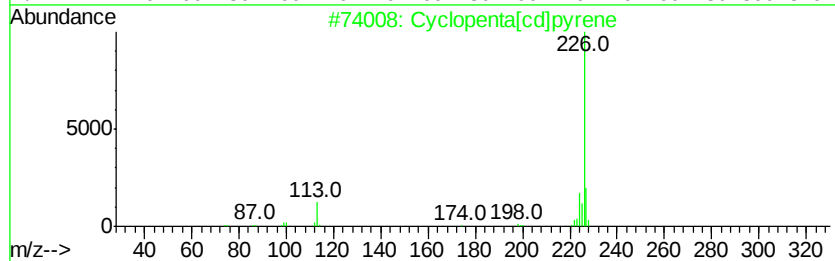
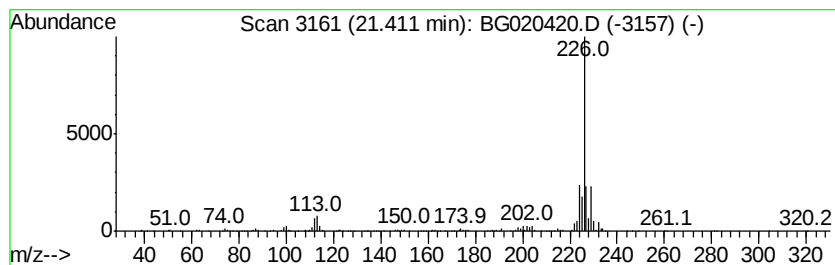
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 Cyclopenta[cd]pyrene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.41	2.31 ng/ul	535444	Chrysene-d12	21.75
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclopenta[cd]pyrene	226 C18H10	027208-37-3 52
2		Benzene, 1-bromo-2,6-dichloro-	224 C6H3BrCl2	019393-92-1 52
3		9H-Thioxanthen-9-one, 2-methyl-	226 C14H10OS	015774-82-0 50
4		6-Methyl-4-phenyl-3-cyanopyridin...	226 C13H10N2S	078564-23-5 47
5		1,3-Diamino-5,6-dihydro-7-methyl...	226 C13H14N4	037436-37-6 43



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
 Data File : BG020420.D
 Acq On : 22 Dec 2015 22:11
 Operator : UM/SJ
 Sample : G4848-05
 Misc : MED LEVEL RX
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N51ME

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	550905	1	8.09	550905	20.0
Naphthalene, 1-me...	12.79	5.7	ng/ul	3571980	2	10.91	12597700	20.0
Naphthalene, 1-et...	13.75	15.3	ng/ul	1055200	3	14.72	1381440	20.0
Naphthalene, 2,7-...	13.90	29.4	ng/ul	2031760	3	14.72	1381440	20.0
Naphthalene, 2,3-...	14.04	27.6	ng/ul	1909830	3	14.72	1381440	20.0
1-Isopropenylnaph...	15.03	9.7	ng/ul	668365	3	14.72	1381440	20.0
Naphthalene, 2,3,...	15.33	5.5	ng/ul	377517	3	14.72	1381440	20.0
Naphthalene, 1,6,...	15.38	5.2	ng/ul	361340	3	14.72	1381440	20.0
Naphthalene, 1,4,...	15.50	5.2	ng/ul	360725	3	14.72	1381440	20.0
Benzeneethanol,	15.94	24.9	ng/ul	1723150	3	14.72	1381440	20.0
Benzene, [1-(2,4-...	15.98	5.7	ng/ul	392030	3	14.72	1381440	20.0
1,1'-Biphenyl, 2-...	16.02	12.6	ng/ul	872777	3	14.72	1381440	20.0
Dibenzofuran, 4-m...	16.06	24.0	ng/ul	1658930	3	14.72	1381440	20.0
Phenanthrene, 1-m...	18.40	2.3	ng/ul	3006660	4	17.47	26683100	20.0
4H-Cyclopenta[def...	18.56	4.3	ng/ul	5736700	4	17.47	26683100	20.0
1,6-Dimethylphena...	19.77	2.2	ng/ul	505240	5	21.75	4640120	20.0
Benzo[b]naphtho[1...	20.05	4.0	ng/ul	919835	5	21.75	4640120	20.0
Pyrene, 1-methyl-	20.21	5.9	ng/ul	1371640	5	21.75	4640120	20.0
11H-Benzo[b]fluorene	20.37	10.4	ng/ul	2420020	5	21.75	4640120	20.0
7-Isopropenyl-1,4...	20.56	2.1	ng/ul	488292	5	21.75	4640120	20.0
Benzo[b]naphtho[2...	21.32	3.6	ng/ul	843311	5	21.75	4640120	20.0
Cyclopenta(cd)pyr...	21.36	3.1	ng/ul	716802	5	21.75	4640120	20.0
Cyclopenta[cd]pyrene	21.41	2.3	ng/ul	535444	5	21.75	4640120	20.0