

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
 Data File : BG020450.D
 Acq On : 23 Dec 2015 19:27
 Operator : UM/SJ
 Sample : G4848-05DL 30X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N51DL

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	8.627	978	985	996	rVV	205552	371905	2.01%	0.283%
2	10.983	1375	1386	1393	rVB	3606716	8713300	47.00%	6.620%
3	11.077	1393	1402	1411	rVB	181732	328806	1.77%	0.250%
4	12.570	1643	1656	1666	rBV	2620586	4870302	26.27%	3.700%
5	12.781	1679	1692	1699	rVV	1375222	2428534	13.10%	1.845%
6	13.557	1810	1824	1834	rBV	969514	1554315	8.38%	1.181%
7	13.751	1850	1857	1868	rVB	374925	704771	3.80%	0.535%
8	14.038	1899	1906	1911	rVV	675590	1255346	6.77%	0.954%
9	14.097	1911	1916	1924	rVV	476577	780845	4.21%	0.593%
10	14.273	1940	1946	1950	rBV	283927	470557	2.54%	0.358%
11	14.444	1969	1975	1983	rVB	288872	477959	2.58%	0.363%
12	14.696	2010	2018	2027	rVV2	477312	989997	5.34%	0.752%
13	14.808	2027	2037	2042	rVV	4058800	7976391	43.02%	6.060%
14	14.855	2042	2045	2051	rVV	221732	321127	1.73%	0.244%
15	14.920	2051	2056	2065	rVV	112886	283176	1.53%	0.215%
16	15.025	2065	2074	2079	rVV2	218402	440888	2.38%	0.335%
17	15.131	2084	2092	2098	rVV	2749532	5202635	28.06%	3.953%
18	15.190	2098	2102	2111	rVB	168753	269282	1.45%	0.205%
19	15.331	2117	2126	2130	rBV2	130382	244941	1.32%	0.186%
20	15.384	2130	2135	2146	rVB2	146233	239676	1.29%	0.182%
21	15.501	2146	2155	2158	rBV2	105190	227586	1.23%	0.173%
22	15.537	2158	2161	2166	rVV3	88819	151543	0.82%	0.115%
23	15.684	2182	2186	2194	rVV2	122284	227495	1.23%	0.173%
24	15.789	2194	2204	2210	rVV	3526685	6865430	37.03%	5.216%
25	15.866	2210	2217	2219	rVV	243860	420503	2.27%	0.319%
26	15.895	2219	2222	2224	rVV	386270	544589	2.94%	0.414%
27	15.930	2224	2228	2233	rVV2	693923	1136706	6.13%	0.864%
28	15.977	2233	2236	2239	rVV2	172445	273697	1.48%	0.208%
29	16.018	2239	2243	2246	rVV	359104	574853	3.10%	0.437%
30	16.060	2246	2250	2257	rVV	739291	1108168	5.98%	0.842%
31	16.206	2265	2275	2283	rVV	762585	1714062	9.25%	1.302%
32	16.295	2286	2290	2296	rVV	140515	223633	1.21%	0.170%
33	16.559	2330	2335	2341	rVB	305717	472567	2.55%	0.359%
34	16.765	2358	2370	2375	rBV2	571487	1321890	7.13%	1.004%

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35	16.818	2375	2379	2384	rVB2	191199	263984	1.42%	0.201%
36	16.917	2390	2396	2400	rVB3	234718	415578	2.24%	0.316%
37	16.970	2400	2405	2406	rBV	121790	163916	0.88%	0.125%
38	16.994	2406	2409	2412	rVV	119784	160635	0.87%	0.122%
39	17.035	2412	2416	2419	rVV2	169964	221737	1.20%	0.168%
40	17.123	2427	2431	2437	rVB4	99321	207514	1.12%	0.158%
41	17.194	2437	2443	2453	rBV3	259953	750116	4.05%	0.570%
42	17.288	2453	2459	2469	rVB	1054569	1656016	8.93%	1.258%
43	17.558	2483	2505	2509	rBV	6552369	18539503	100.00%	14.086%
44	17.617	2509	2515	2520	rBV	1143292	1560152	8.42%	1.185%
45	17.875	2552	2559	2566	rBV	652544	1186764	6.40%	0.902%
46	17.981	2572	2577	2582	rBV	215740	290204	1.57%	0.220%
47	18.046	2582	2588	2597	rVB5	108133	260901	1.41%	0.198%
48	18.186	2607	2612	2621	rVB	119296	256193	1.38%	0.195%
49	18.345	2633	2639	2643	rVV	1002410	1571676	8.48%	1.194%
50	18.392	2643	2647	2653	rVB	1354682	2008024	10.83%	1.526%
51	18.474	2653	2661	2666	rBV	455145	789605	4.26%	0.600%
52	18.551	2666	2674	2683	rVV2	1767040	3819180	20.60%	2.902%
53	18.774	2708	2712	2717	rVV4	99301	186922	1.01%	0.142%
54	18.833	2717	2722	2727	rVV	824112	1211039	6.53%	0.920%
55	18.886	2727	2731	2738	rVV2	110340	168864	0.91%	0.128%
56	19.074	2759	2763	2768	rVB3	174989	241266	1.30%	0.183%
57	19.127	2768	2772	2775	rBV	142834	185817	1.00%	0.141%
58	19.162	2775	2778	2782	rVB2	136759	179582	0.97%	0.136%
59	19.244	2786	2792	2797	rBV	280793	517565	2.79%	0.393%
60	19.315	2799	2804	2812	rVB3	180341	406887	2.19%	0.309%
61	19.544	2832	2843	2847	rBV	5035758	10763942	58.06%	8.178%
62	19.761	2875	2880	2890	rVB	273069	482211	2.60%	0.366%
63	19.902	2890	2904	2908	rBV3	3841311	9818774	52.96%	7.460%
64	19.943	2908	2911	2918	rVB	328598	463522	2.50%	0.352%
65	20.049	2919	2929	2935	rBV	377081	616966	3.33%	0.469%
66	20.190	2947	2953	2954	rBV2	320044	487298	2.63%	0.370%
67	20.249	2960	2963	2970	rVB	153290	199224	1.07%	0.151%
68	20.331	2970	2977	2978	rBV3	184650	315568	1.70%	0.240%
69	20.366	2978	2983	2988	rVB	1067088	1603720	8.65%	1.218%
70	20.466	2993	3000	3004	rBV	1229661	1766321	9.53%	1.342%
71	20.525	3004	3010	3013	rVV2	352316	700422	3.78%	0.532%

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72	20.560	3013	3016	3019	rVV	236684	302738	1.63%	0.230%
73	20.601	3019	3023	3028	rVB2	136030	212804	1.15%	0.162%
74	20.660	3029	3033	3037	rBV	169896	252283	1.36%	0.192%
75	20.707	3037	3041	3050	rVB2	205812	362351	1.95%	0.275%
76	20.889	3067	3072	3075	rBV	101181	149893	0.81%	0.114%
77	20.960	3080	3084	3086	rVV3	101277	157924	0.85%	0.120%
78	20.989	3086	3089	3095	rVV3	108894	228315	1.23%	0.173%
79	21.077	3099	3104	3110	rBV	127909	258449	1.39%	0.196%
80	21.130	3110	3113	3119	rVV3	88954	157342	0.85%	0.120%
81	21.312	3137	3144	3148	rBV	311718	520600	2.81%	0.396%
82	21.359	3148	3152	3156	rVV	283959	462054	2.49%	0.351%
83	21.406	3156	3160	3164	rVV2	202624	336097	1.81%	0.255%
84	21.447	3164	3167	3183	rVB2	97044	233990	1.26%	0.178%
85	21.594	3183	3192	3199	rBV	101386	255814	1.38%	0.194%
86	21.729	3205	3215	3221	rBV3	1483108	3273549	17.66%	2.487%
87	21.794	3221	3226	3237	rVV	1092953	1934409	10.43%	1.470%
88	21.947	3246	3252	3260	rVV	293702	535494	2.89%	0.407%
89	22.152	3280	3287	3294	rVV2	144989	317335	1.71%	0.241%
90	22.476	3334	3342	3347	rVV	143136	351184	1.89%	0.267%
91	22.546	3349	3354	3363	rVV2	71516	155420	0.84%	0.118%
92	22.693	3374	3379	3385	rVV4	76234	159900	0.86%	0.121%
93	22.752	3385	3389	3393	rVV	74997	154036	0.83%	0.117%
94	22.805	3393	3398	3406	rVB4	110123	244702	1.32%	0.186%
95	23.974	3585	3597	3604	rBV	310532	1092517	5.89%	0.830%
96	24.702	3711	3721	3734	rVV	137800	402775	2.17%	0.306%
97	24.855	3737	3747	3760	rVV	212160	631128	3.40%	0.480%
98	25.008	3762	3773	3780	rVV2	155866	507016	2.73%	0.385%
99	25.078	3781	3785	3802	rVB3	55458	176332	0.95%	0.134%
100	28.727	4394	4406	4421	rBV3	32973	165550	0.89%	0.126%

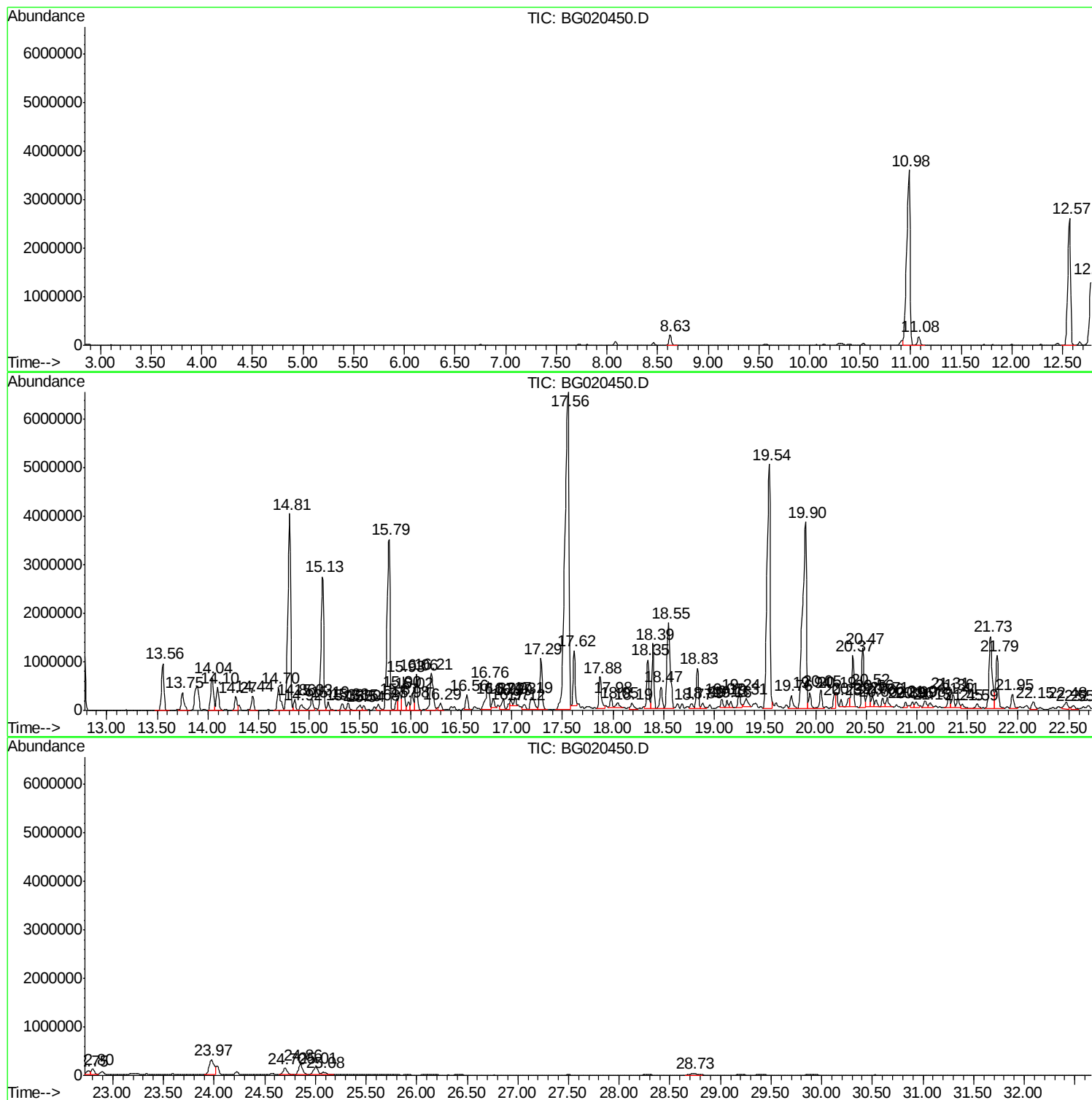
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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



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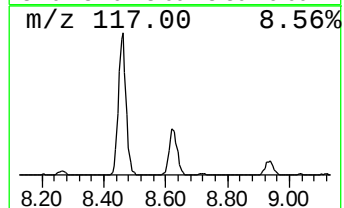
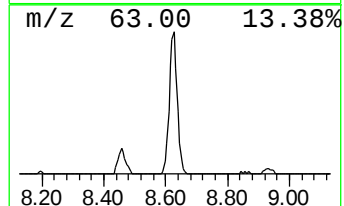
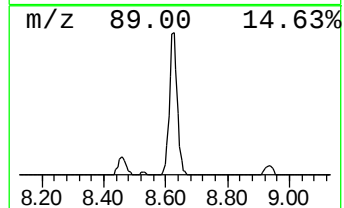
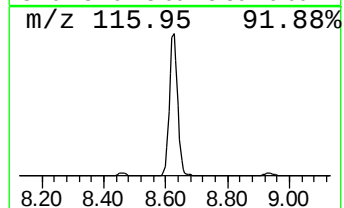
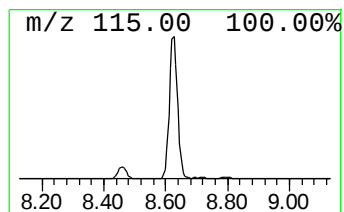
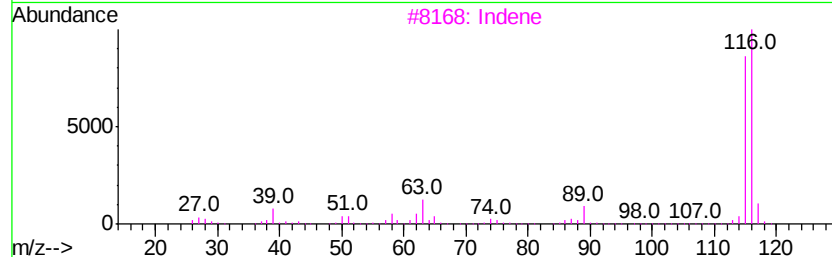
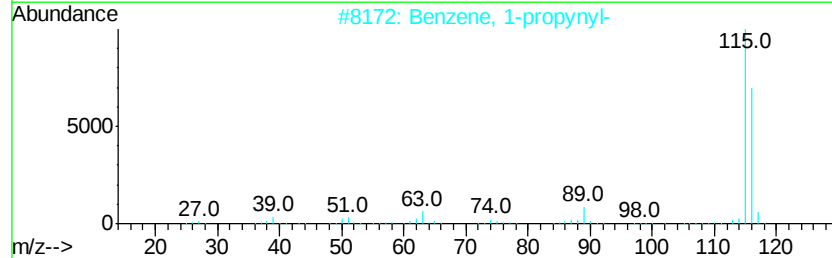
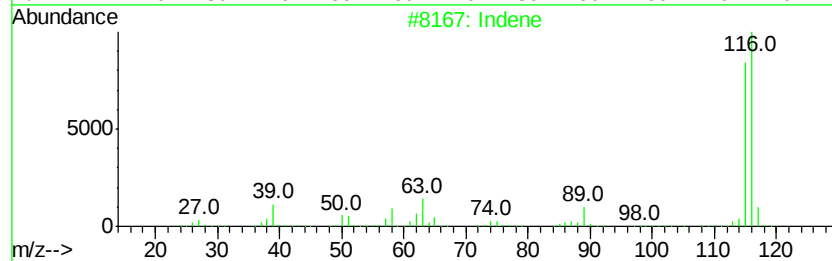
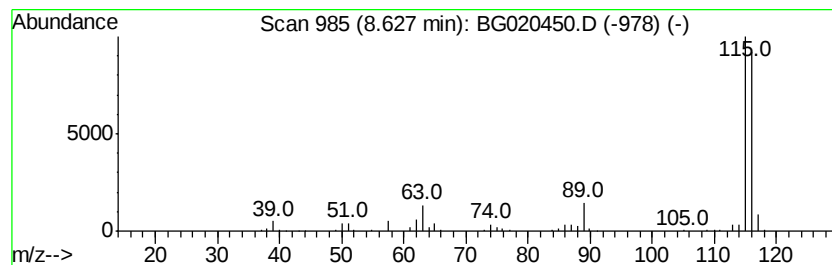
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Indene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	20.00 ng/ul	371905	1,4-Dichlorobenzene-d4	8.09

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



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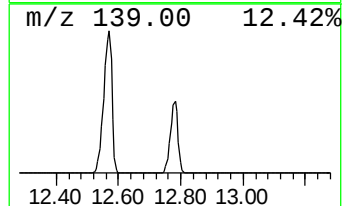
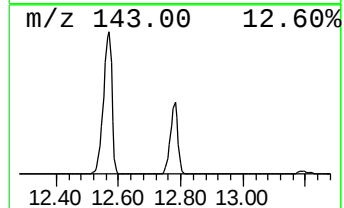
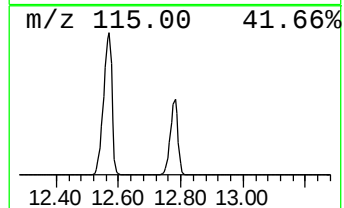
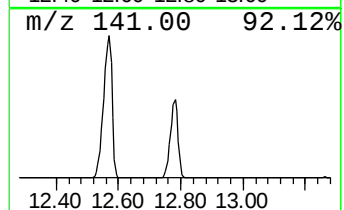
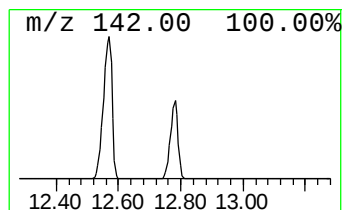
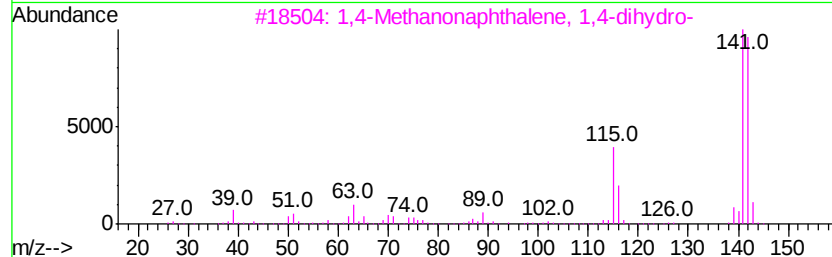
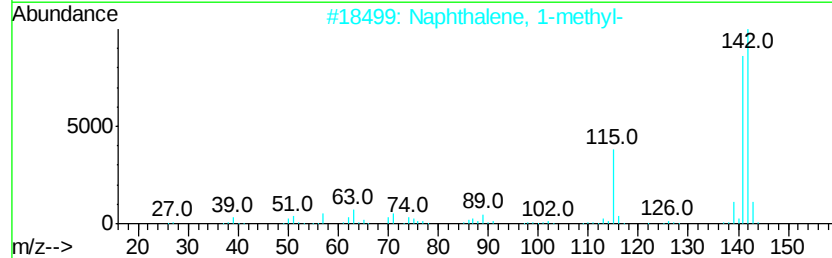
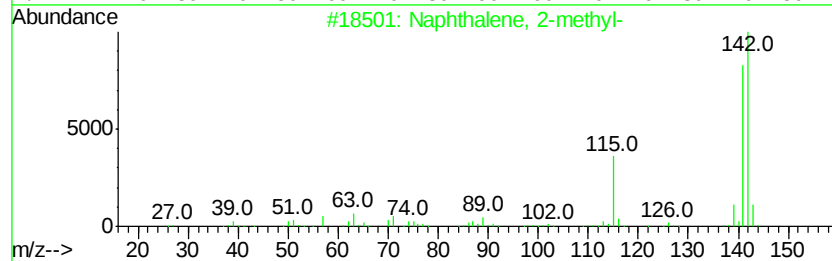
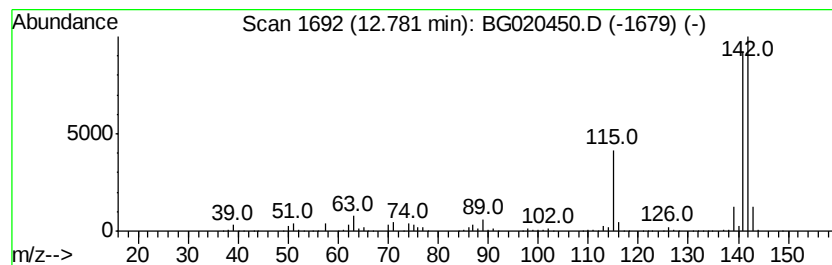
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Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	5.57 ng/ul	2428530	Naphthalene-d8	10.91

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		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94



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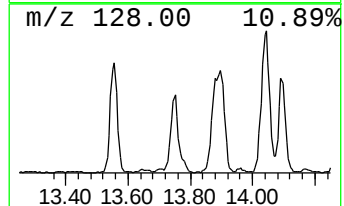
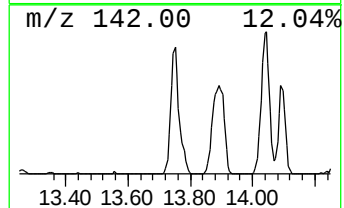
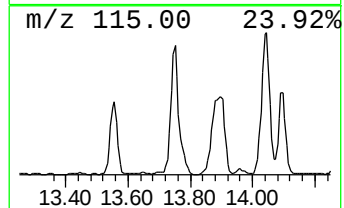
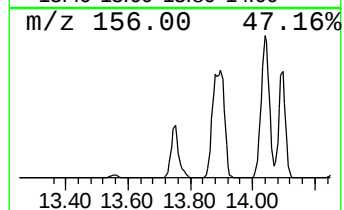
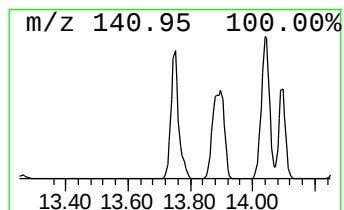
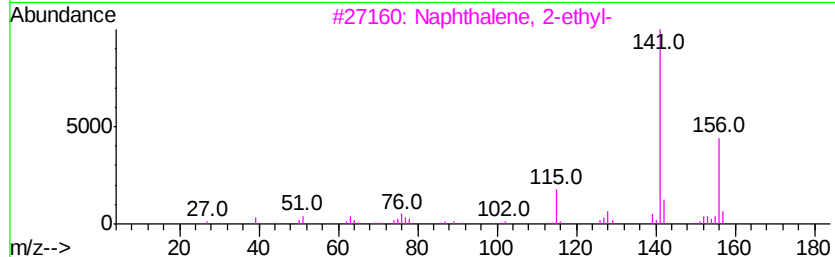
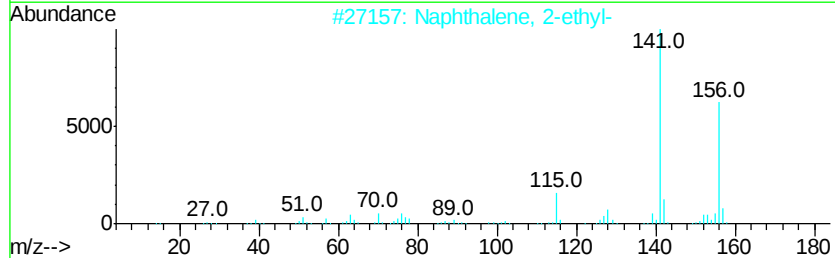
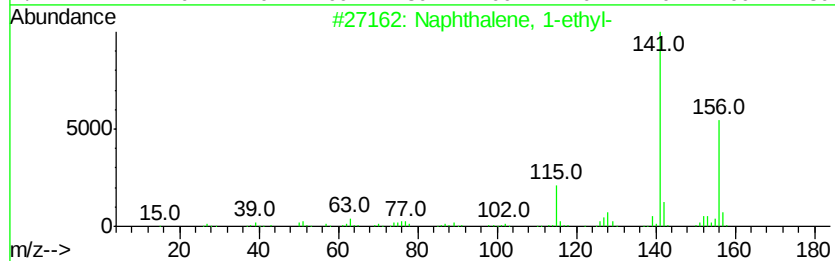
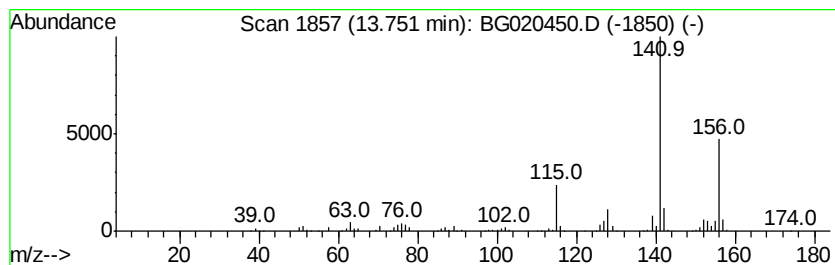
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Peak Number 3 Naphthalene, 1-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	14.24 ng/ul	704771	Acenaphthene-d10	14.72
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1-ethyl-	156 C12H12	001127-76-0 96
2		Naphthalene, 2-ethyl-	156 C12H12	000939-27-5 95
3		Naphthalene, 2-ethyl-	156 C12H12	000939-27-5 94
4		Naphthalene, 1-ethyl-	156 C12H12	001127-76-0 94
5		Naphthalene, 2-ethyl-	156 C12H12	000939-27-5 93



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
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Operator : UM/SJ
Sample : G4848-05DL 30X
Misc :
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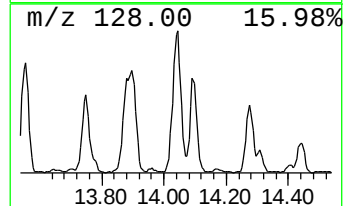
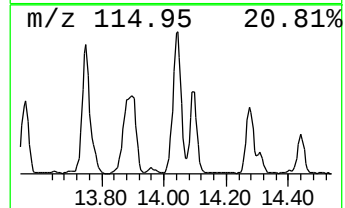
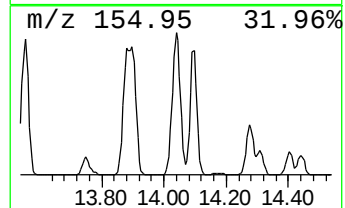
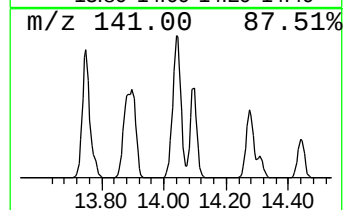
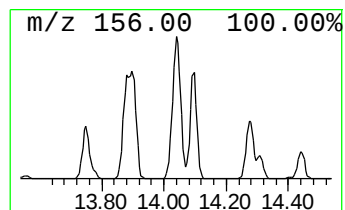
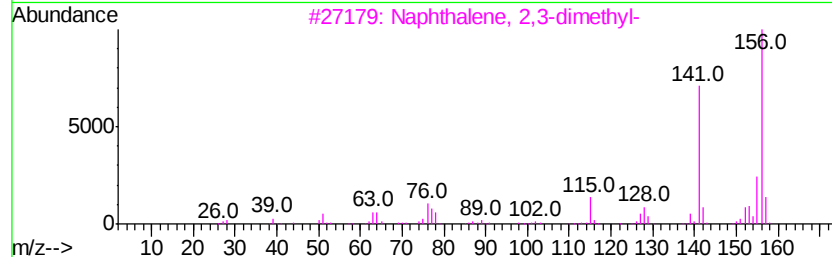
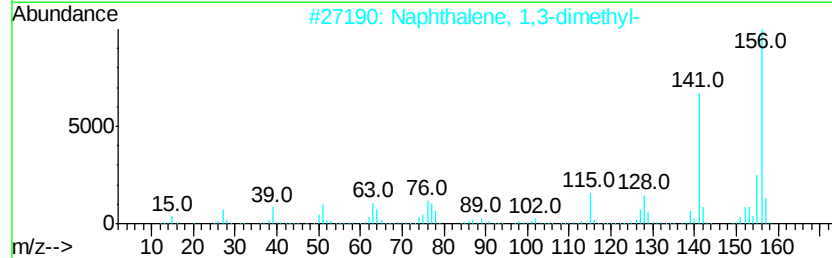
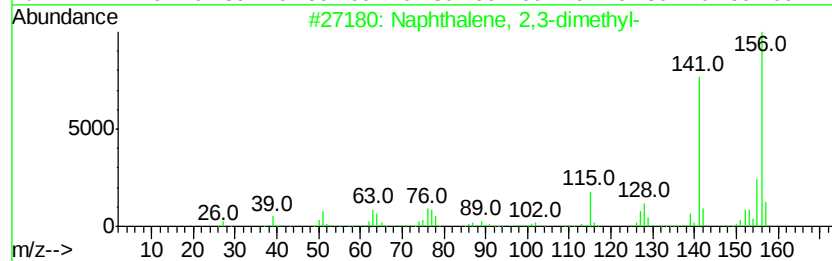
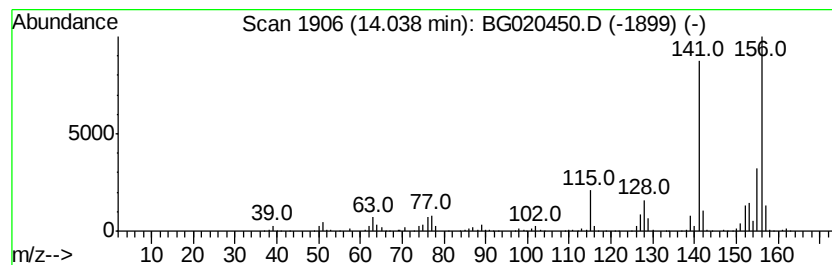
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	25.36 ng/ul	1255350	Acenaphthene-d10	14.72
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 97
2		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 97
3		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 97
4		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 97
5		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 97



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020450.D
Acq On : 23 Dec 2015 19:27
Operator : UM/SJ
Sample : G4848-05DL 30X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N51DL

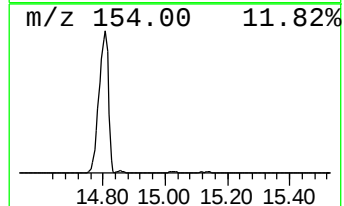
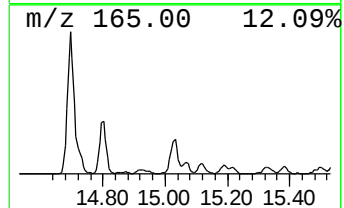
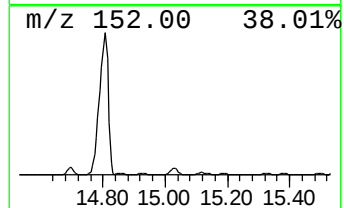
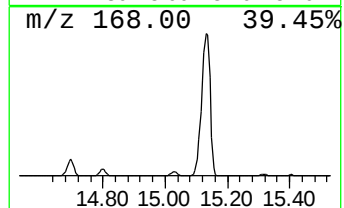
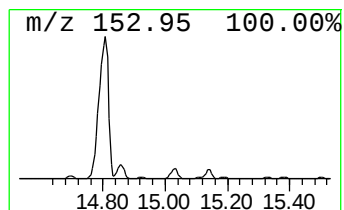
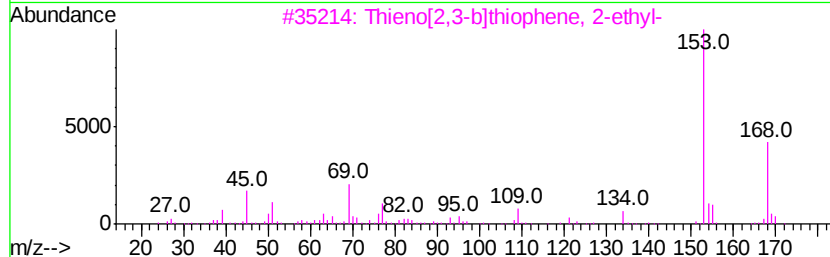
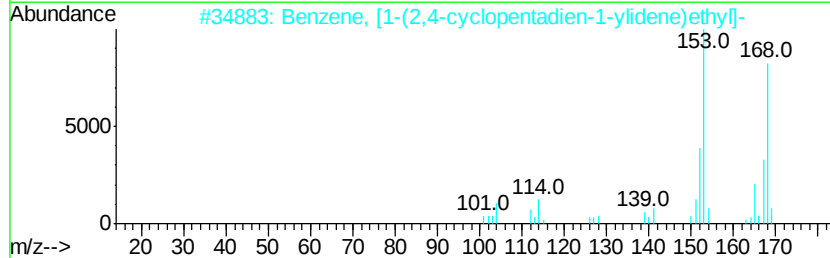
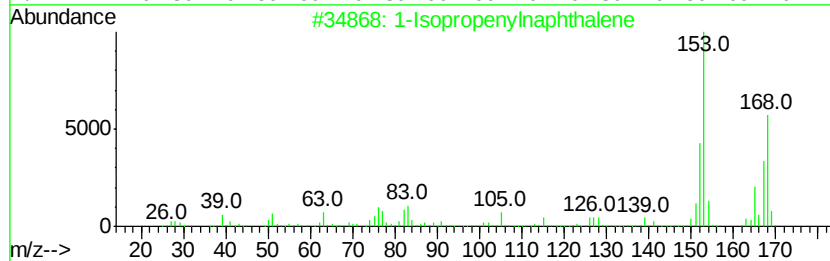
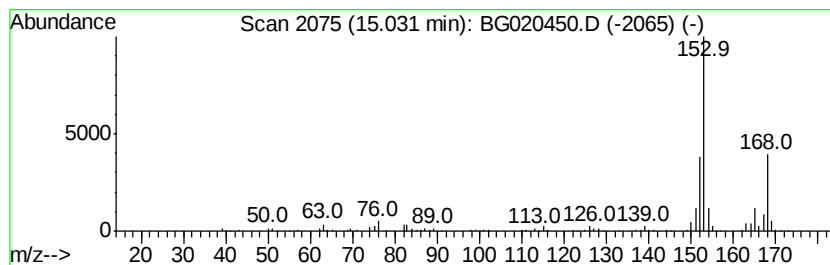
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 1-Isopropenylnaphthalene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	8.91 ng/ul	440888	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 : BG020450.D
Acq On : 23 Dec 2015 19:27
Operator : UM/SJ
Sample : G4848-05DL 30X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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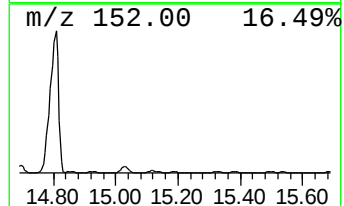
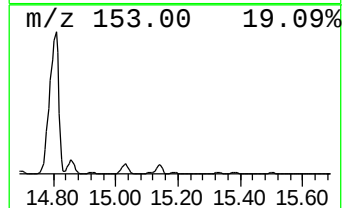
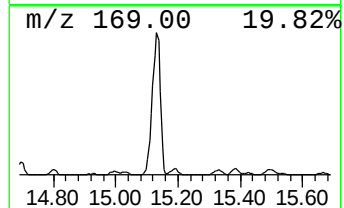
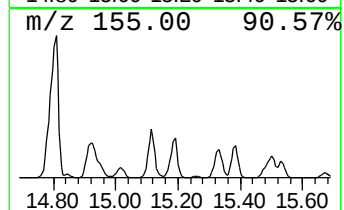
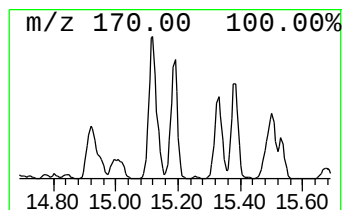
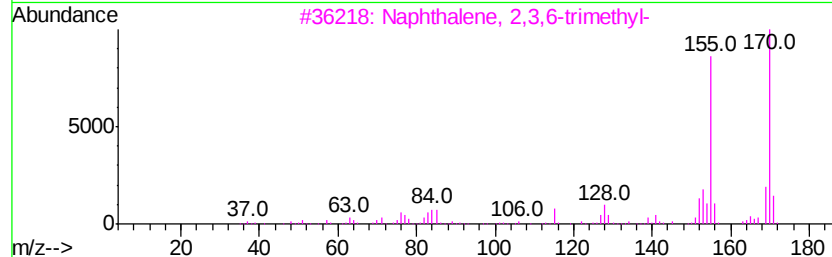
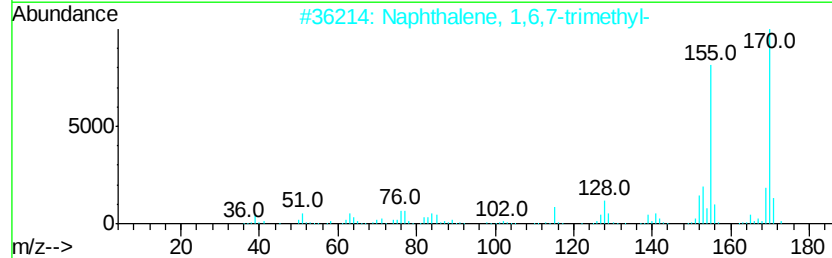
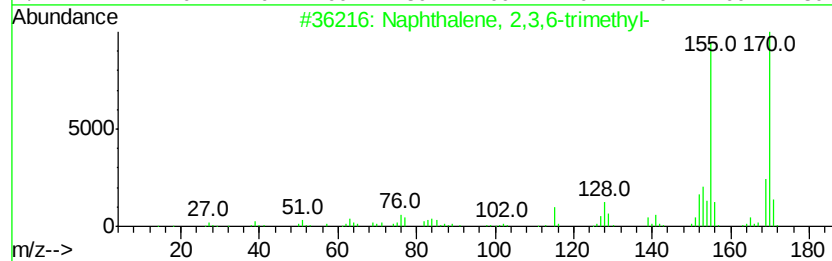
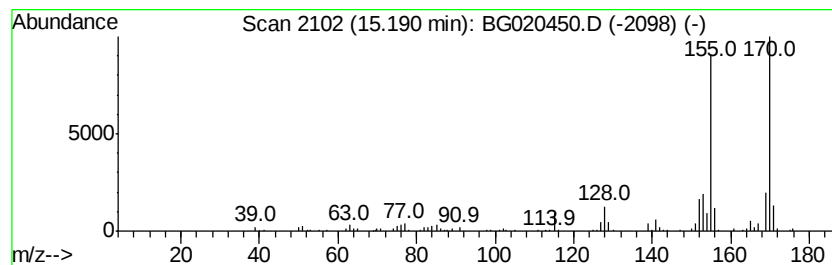
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Naphthalene, 2,3,6-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	5.44 ng/ul	269282	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	97
3			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
4			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
5			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020450.D
Acq On : 23 Dec 2015 19:27
Operator : UM/SJ
Sample : G4848-05DL 30X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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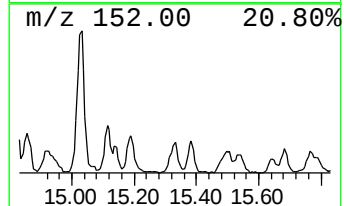
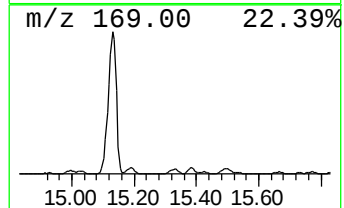
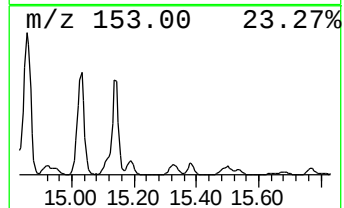
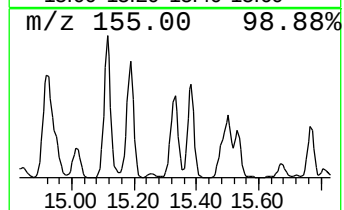
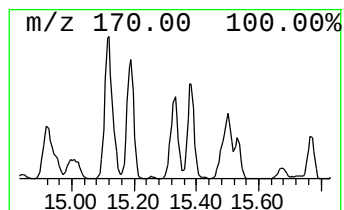
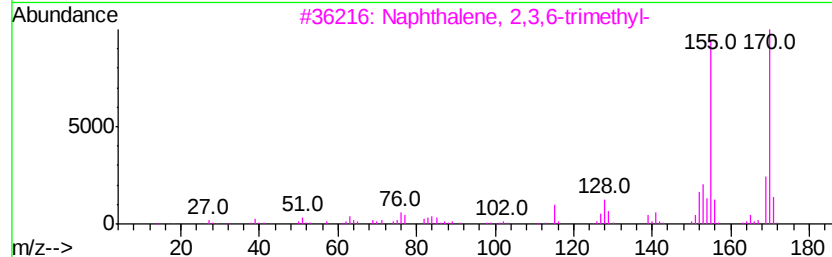
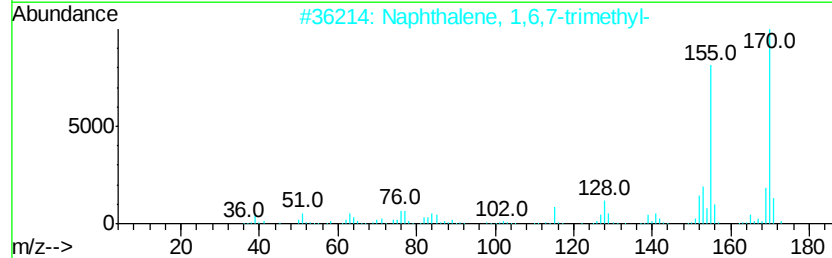
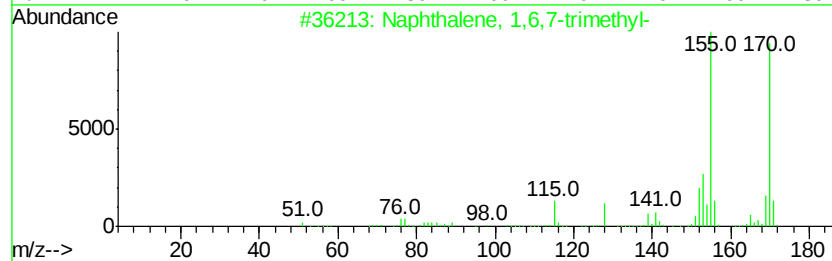
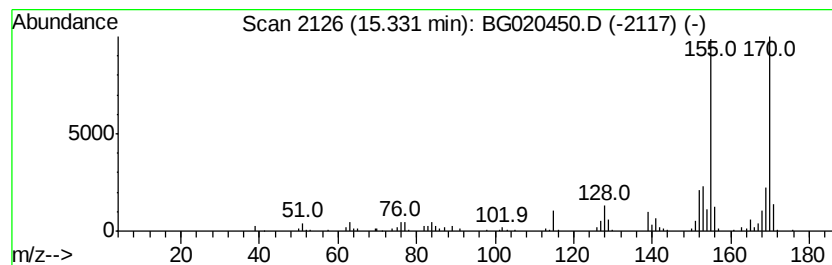
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 Naphthalene, 1,6,7-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	4.95 ng/ul	244941	Acenaphthene-d10	14.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
5		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020450.D
Acq On : 23 Dec 2015 19:27
Operator : UM/SJ
Sample : G4848-05DL 30X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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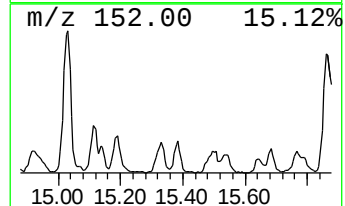
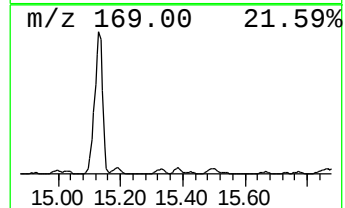
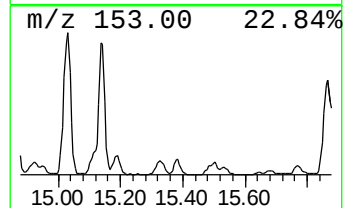
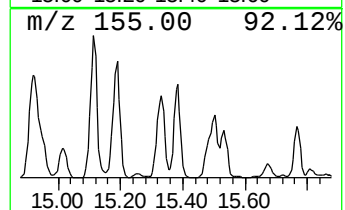
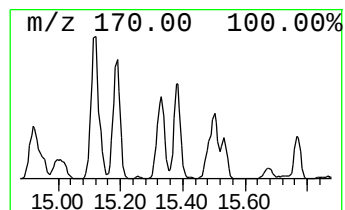
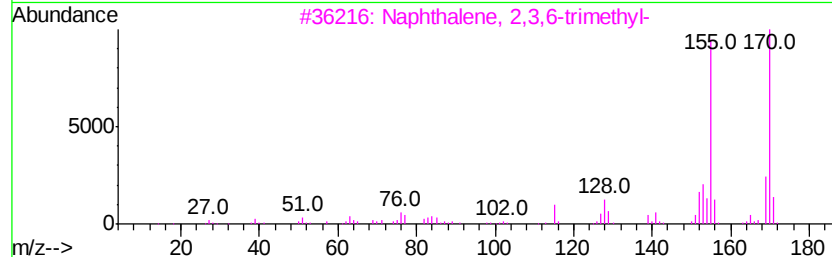
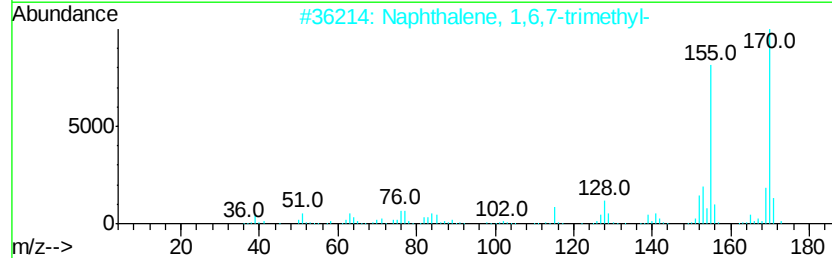
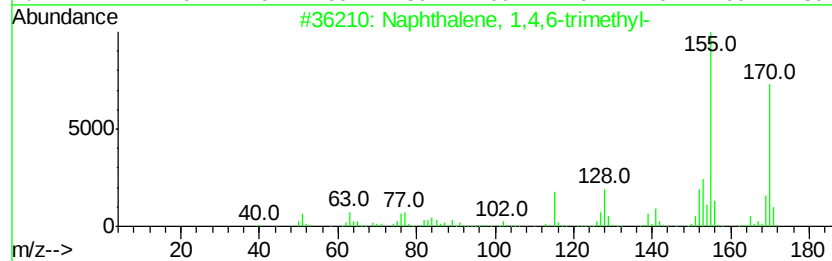
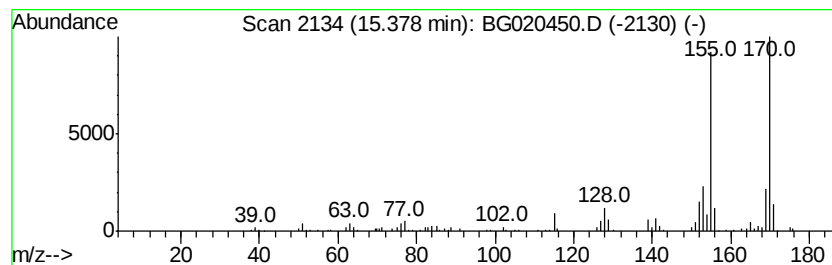
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 Naphthalene, 1,4,6-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	4.84 ng/ul	239676	Acenaphthene-d10	14.72

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020450.D
Acq On : 23 Dec 2015 19:27
Operator : UM/SJ
Sample : G4848-05DL 30X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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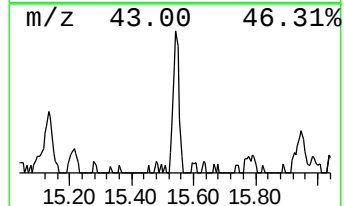
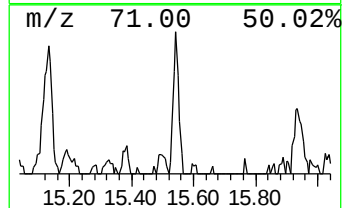
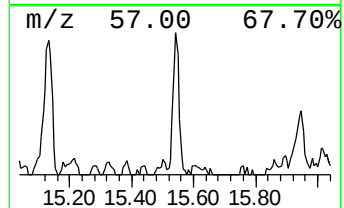
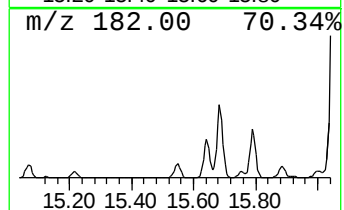
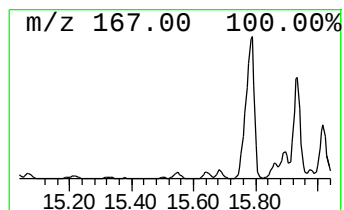
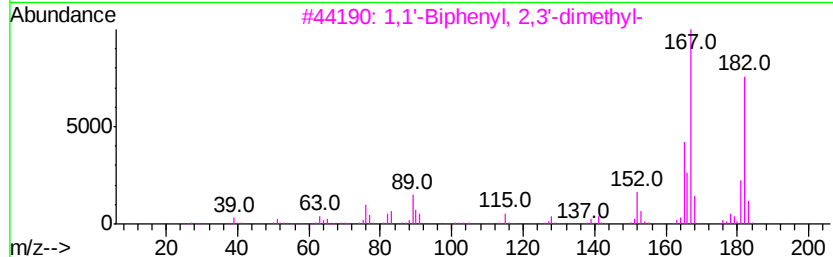
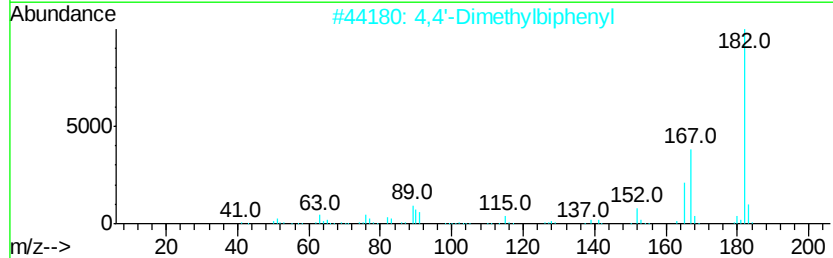
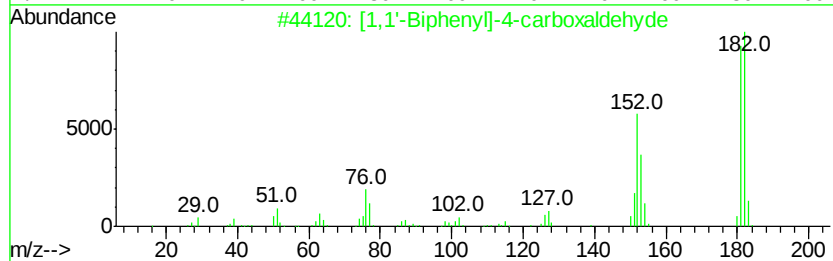
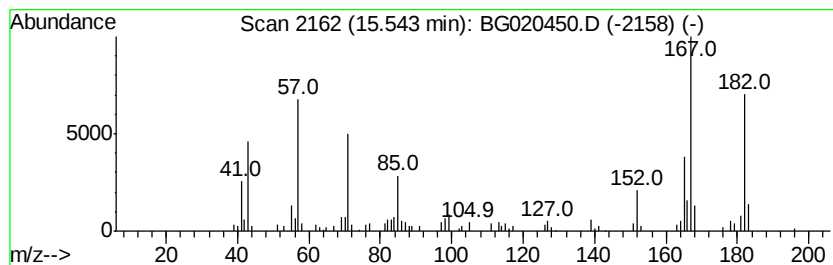
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	3.06 ng/ul	151543	Acenaphthene-d10	14.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	56
2			4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	46
3			1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	46
4			1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	46
5			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	42



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020450.D
Acq On : 23 Dec 2015 19:27
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ALS Vial : 40 Sample Multiplier: 1

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ClientSampleId :
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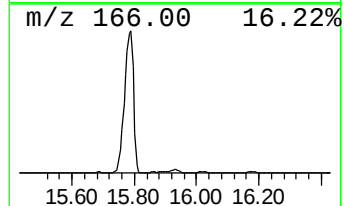
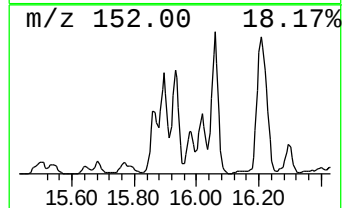
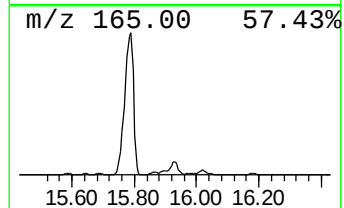
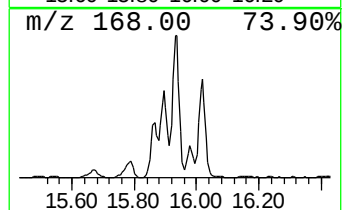
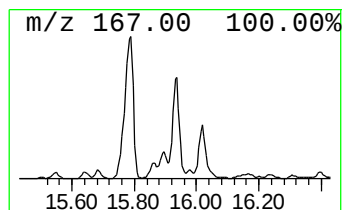
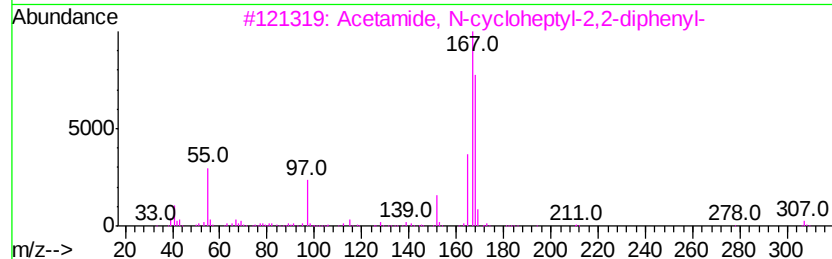
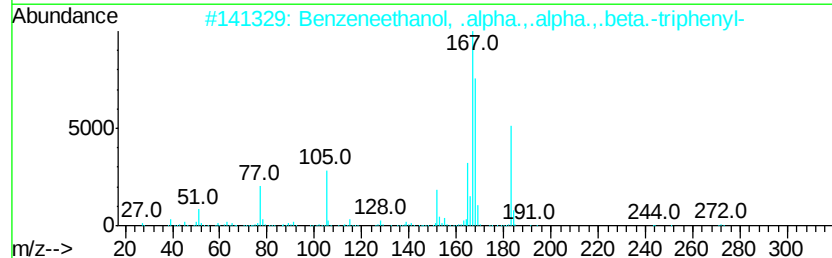
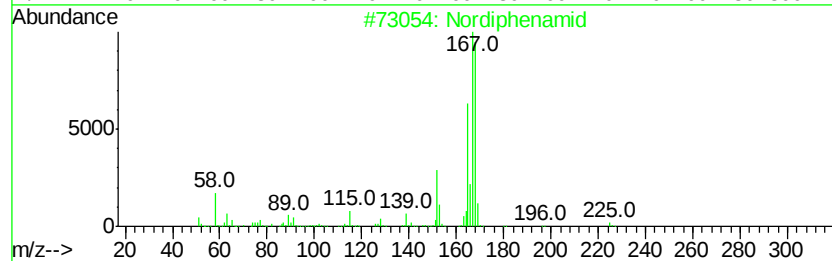
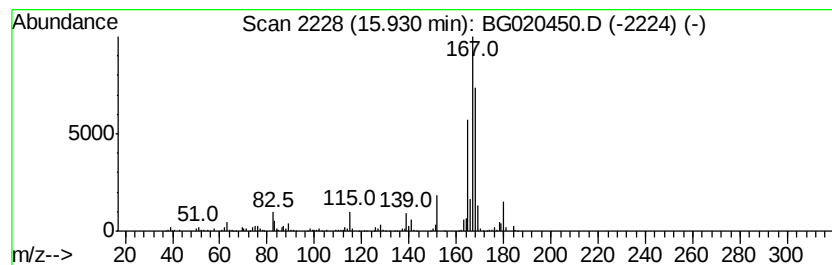
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 Nordiphenamid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	22.96 ng/ul	1136710	Acenaphthene-d10	14.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nordiphenamid	225	C15H15NO	000954-21-2	64
2		Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	64
3		Acetamide, N-cvcloheptvl-2,2-dip...	307	C21H25NO	351062-01-6	59
4		1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58
5		1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	50



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020450.D
Acq On : 23 Dec 2015 19:27
Operator : UM/SJ
Sample : G4848-05DL 30X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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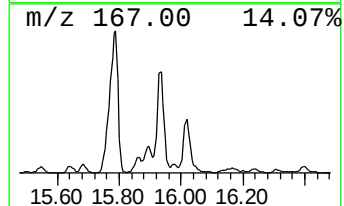
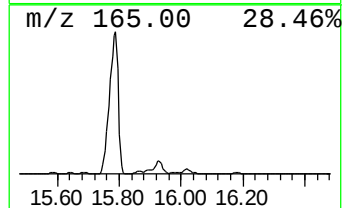
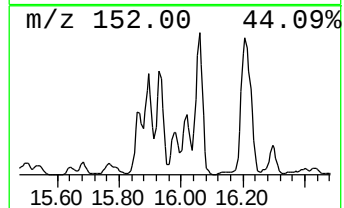
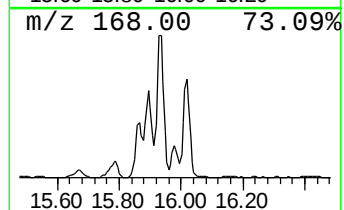
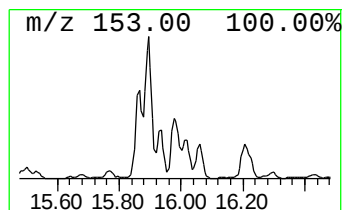
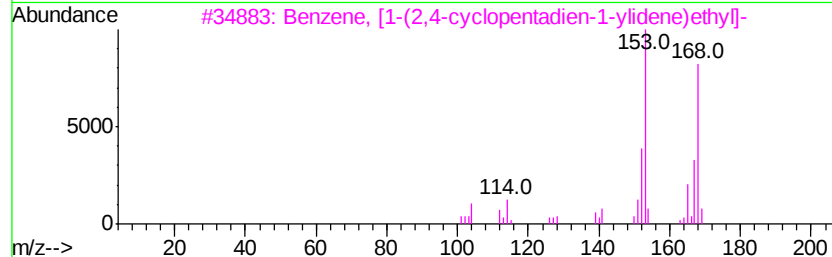
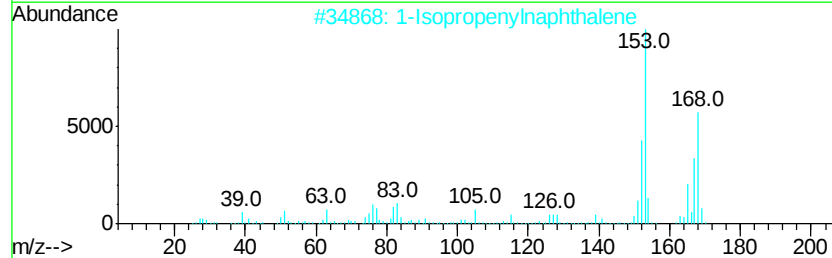
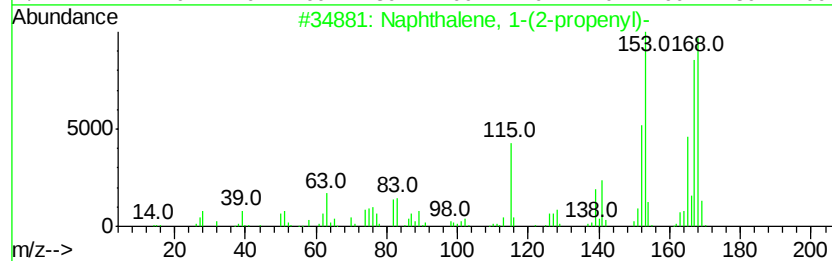
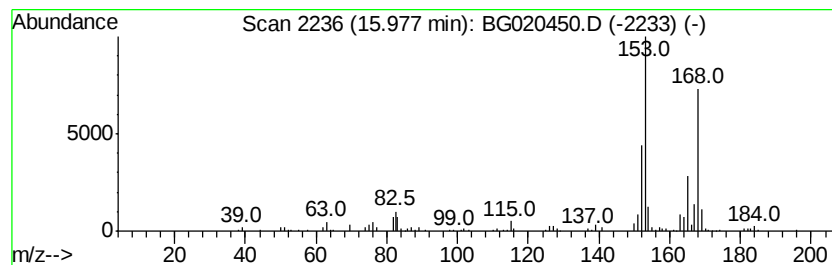
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 Naphthalene, 1-(2-propenyl)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	5.53 ng/ul	273697	Acenaphthene-d10	14.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	83
2			1-Isopropenylnaphthalene	168	C13H12	001855-47-6	80
3			Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	50
4			1,2,4-Trimethoxybenzene	168	C9H12O3	000135-77-3	50
5			1-Cyclohexene-1-ethanol, 2,6,6-t...	168	C11H20O	000472-65-1	47



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020450.D
Acq On : 23 Dec 2015 19:27
Operator : UM/SJ
Sample : G4848-05DL 30X
Misc :
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Instrument :
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ClientSampleId :
D9N51DL

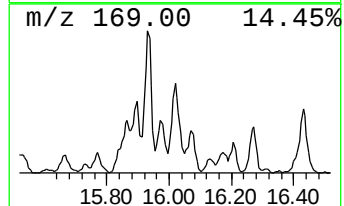
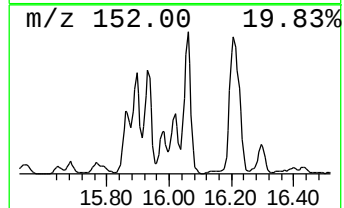
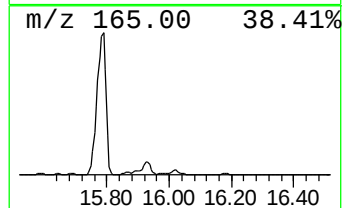
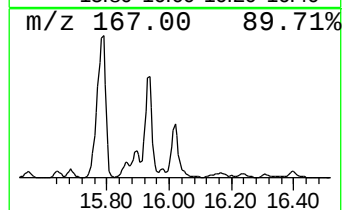
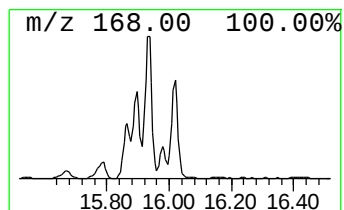
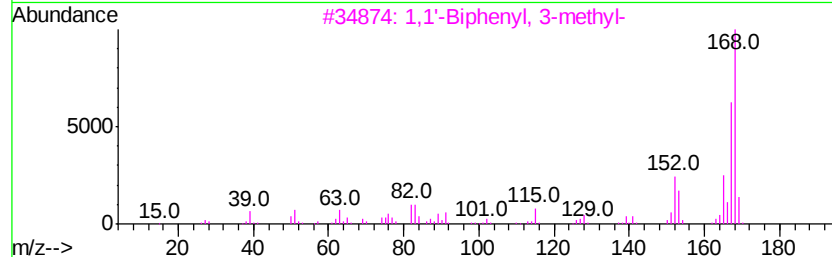
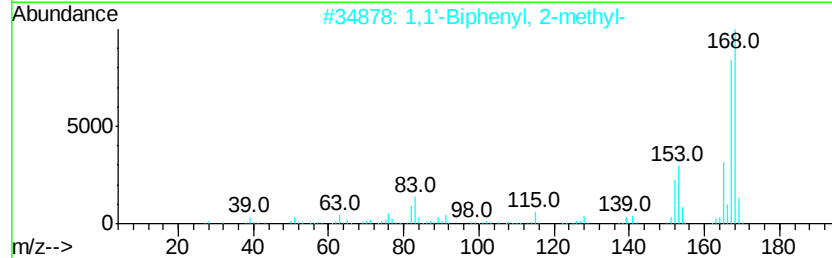
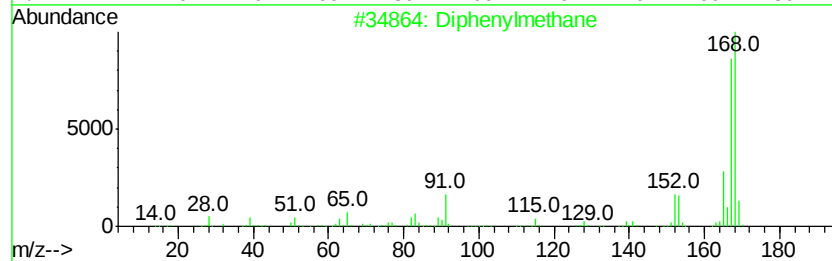
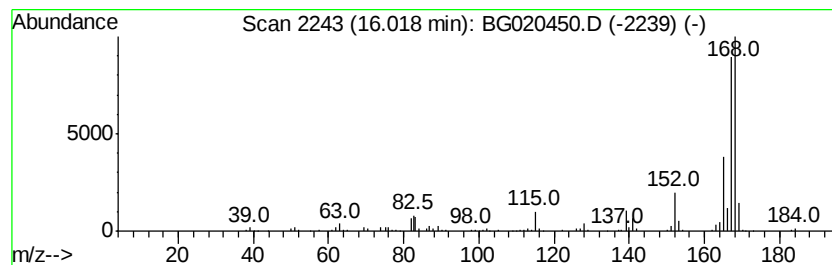
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 Diphenylmethane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	11.61 ng/ul	574853	Acenaphthene-d10	14.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Diphenylmethane	168	C13H12	000101-81-5	81
2		1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	76
3		1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	74
4		1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	74
5		1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	72



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020450.D
Acq On : 23 Dec 2015 19:27
Operator : UM/SJ
Sample : G4848-05DL 30X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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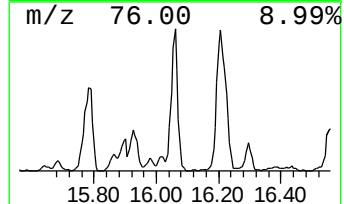
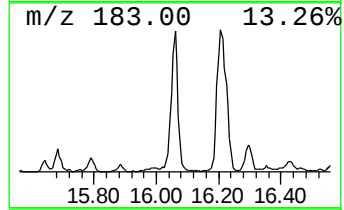
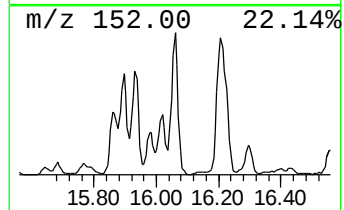
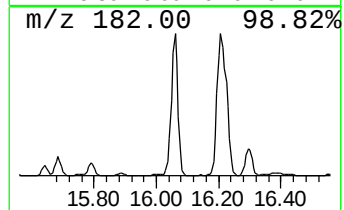
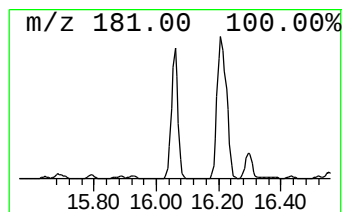
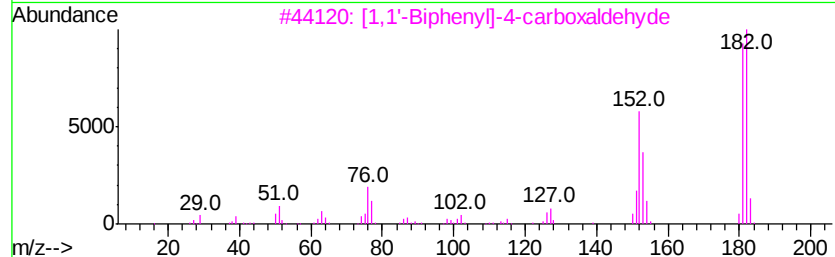
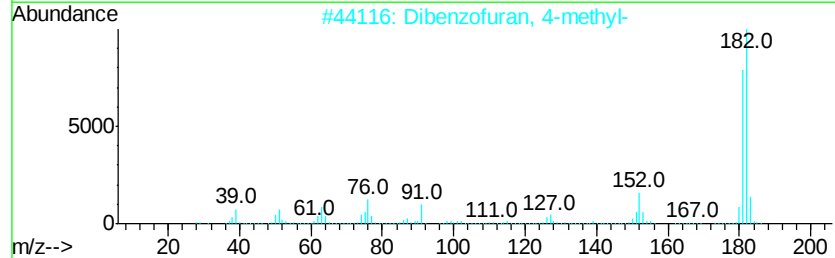
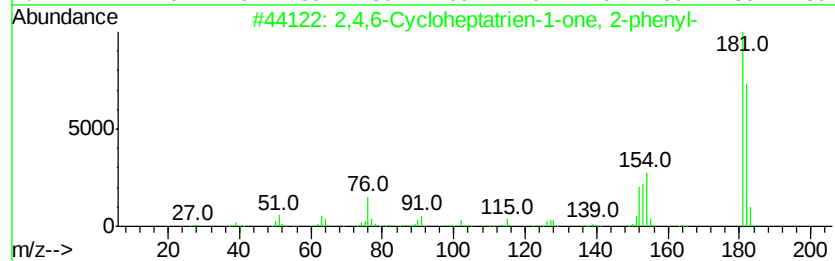
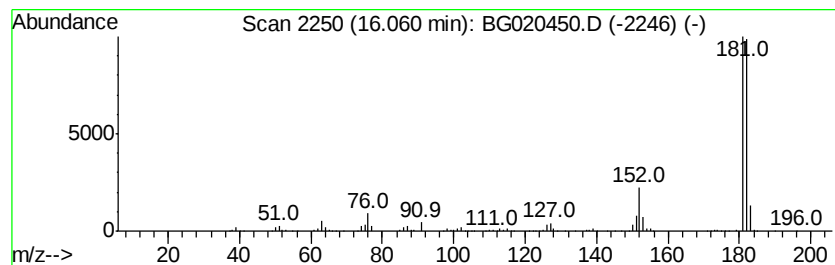
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 2,4,6-Cycloheptatrien-1-one... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	22.39 ng/ul	1108170	Acenaphthene-d10	14.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
2		Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
3		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020450.D
Acq On : 23 Dec 2015 19:27
Operator : UM/SJ
Sample : G4848-05DL 30X
Misc :
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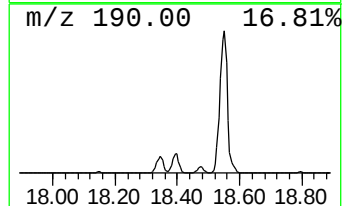
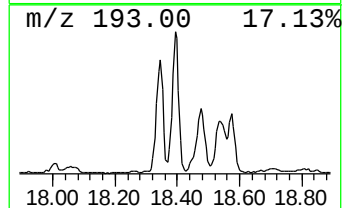
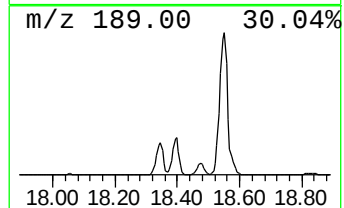
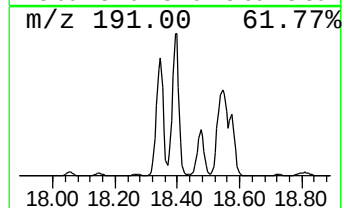
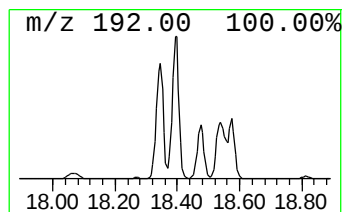
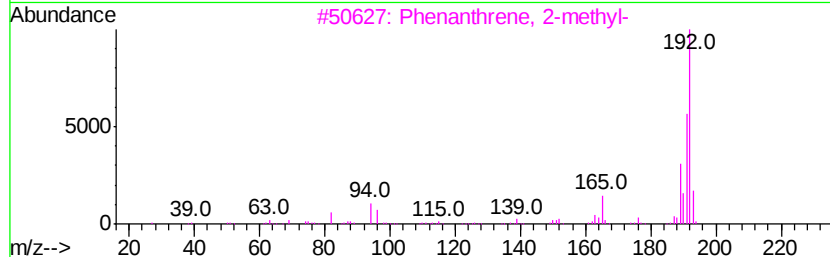
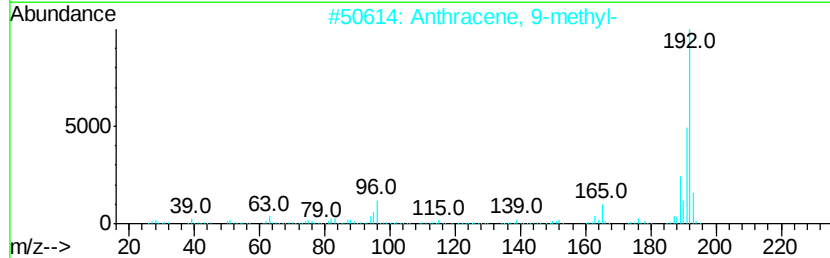
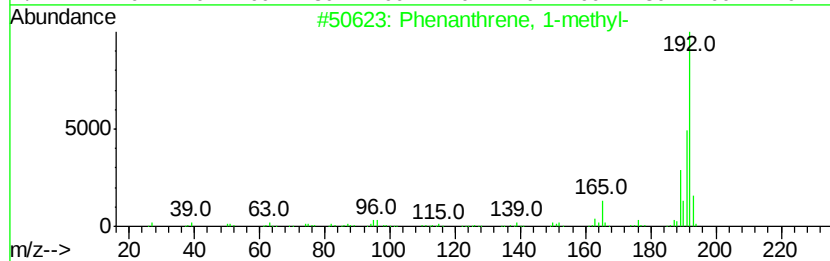
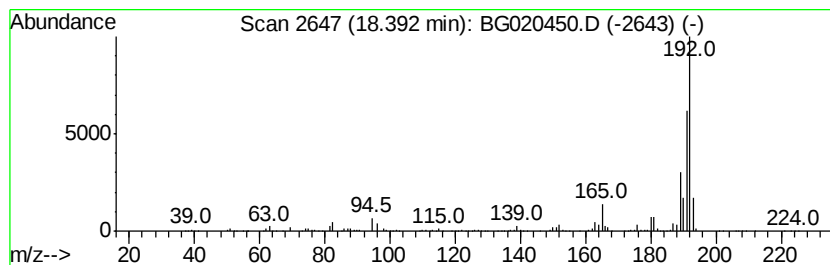
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 Phenanthrene, 1-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	2.17 ng/ul	2008020	Phenanthrene-d10	17.48

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		1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	95



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020450.D
Acq On : 23 Dec 2015 19:27
Operator : UM/SJ
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Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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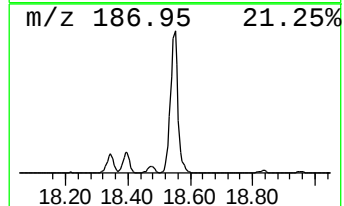
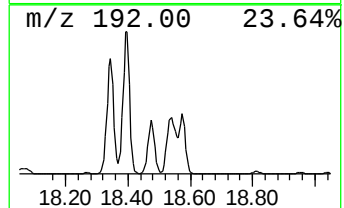
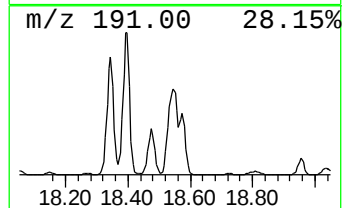
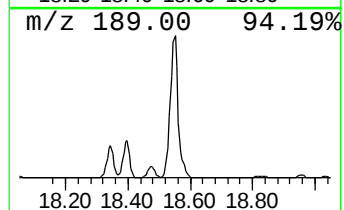
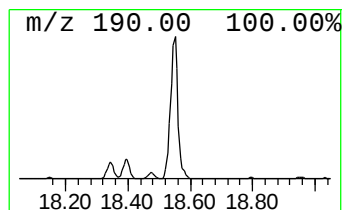
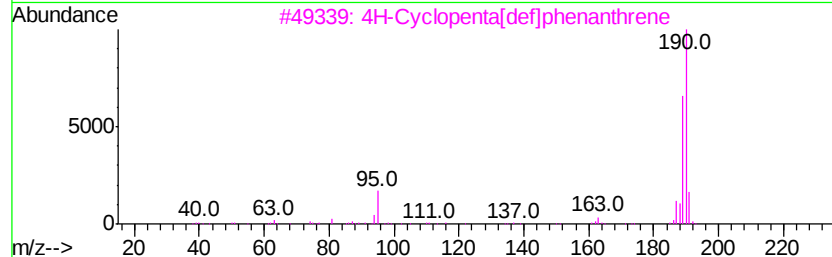
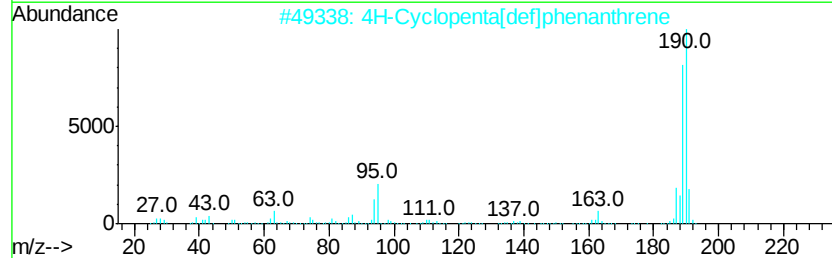
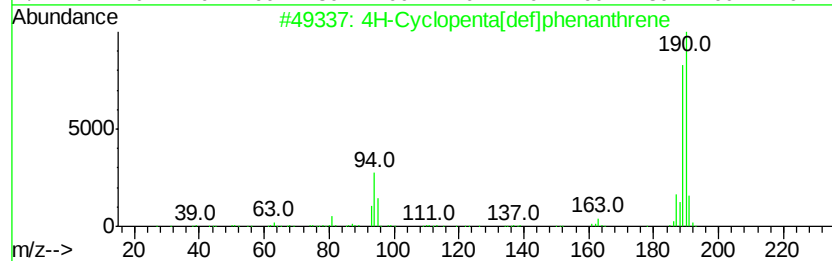
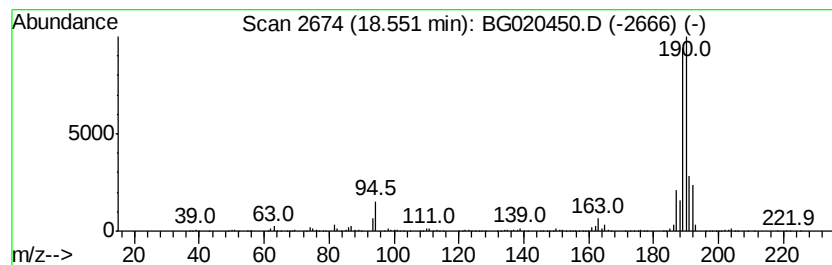
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 4H-Cyclopenta[def]phenanthrene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	4.12 ng/ul	3819180	Phenanthrene-d10	17.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
4		6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	50
5		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020450.D
Acq On : 23 Dec 2015 19:27
Operator : UM/SJ
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Misc :
ALS Vial : 40 Sample Multiplier: 1

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ClientSampleId :
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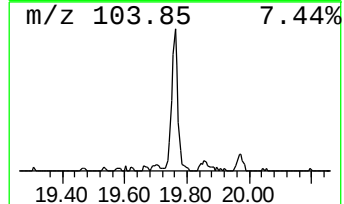
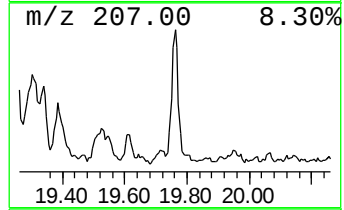
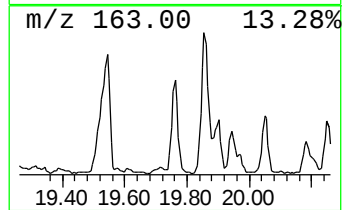
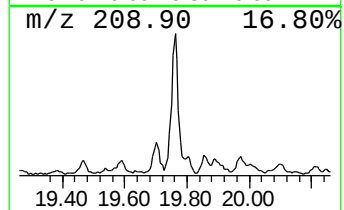
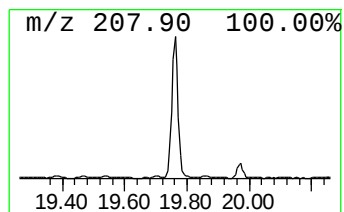
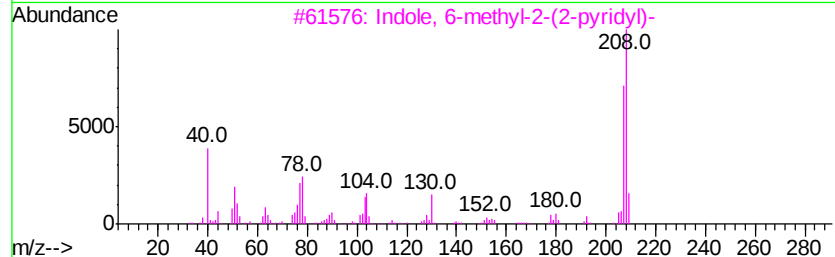
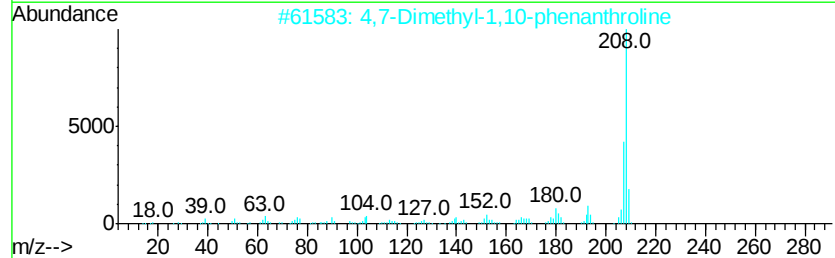
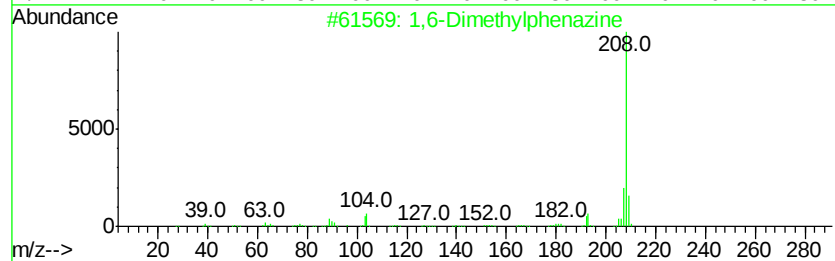
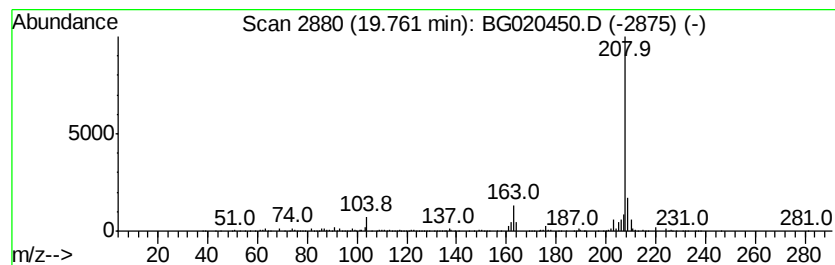
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 1,6-Dimethylphenazine Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.76	2.95 ng/ul	482211	Chrysene-d12	21.75

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,6-Dimethylphenazine	208	C14H12N2	058718-43-7	64
2			4,7-Dimethyl-1,10-phenanthroline	208	C14H12N2	003248-05-3	59
3			Indole, 6-methyl-2-(2-pyridyl)-	208	C14H12N2	107919-89-1	59
4			Benzene, 1,1'-(2-methyl-2-propen...	208	C16H16	070813-56-8	59
5			Benzo[c]cinnoline, 4,7-dimethyl-	208	C14H12N2	020684-54-2	59



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020450.D
Acq On : 23 Dec 2015 19:27
Operator : UM/SJ
Sample : G4848-05DL 30X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
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ClientSampleId :
D9N51DL

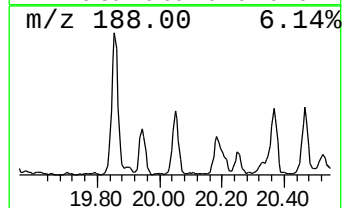
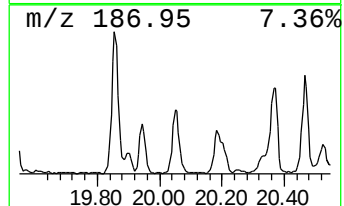
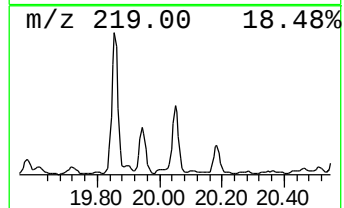
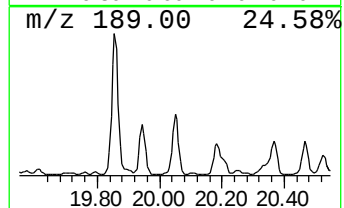
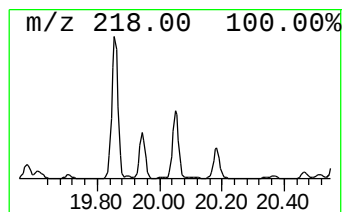
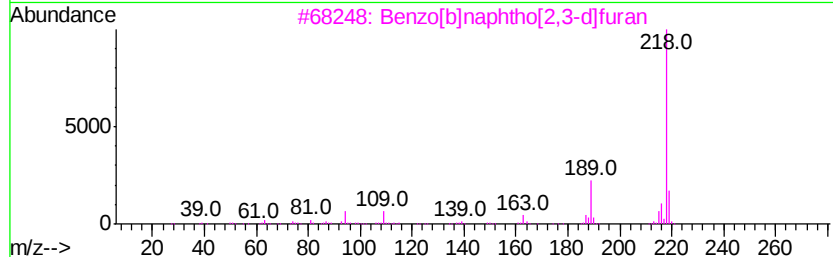
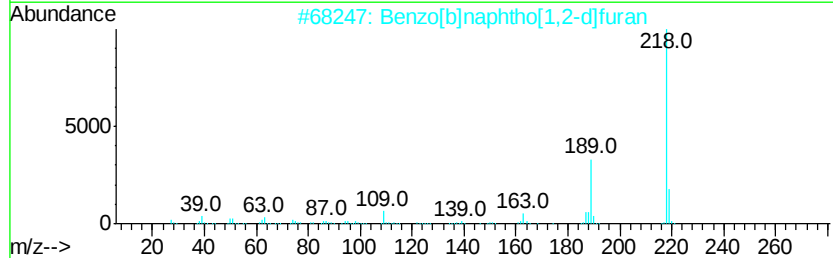
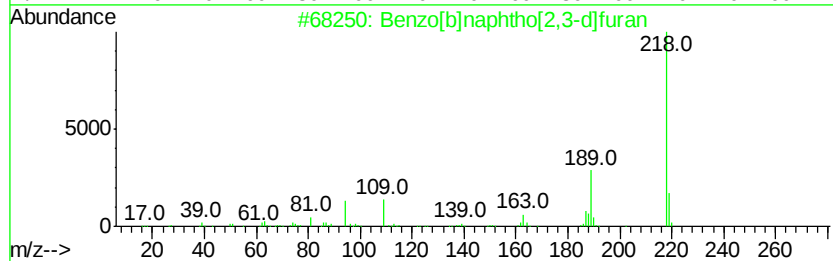
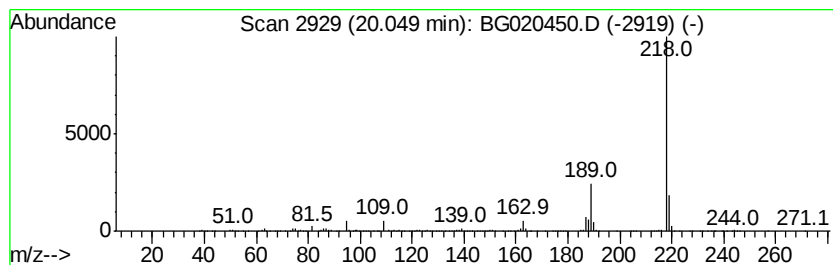
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 Benzo[b]naphtho[2,3-d]furan Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.05	3.77 ng/ul	616966	Chrysene-d12	21.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	97
2		Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	97
3		Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	95
4		Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	95
5		Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	91



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020450.D
Acq On : 23 Dec 2015 19:27
Operator : UM/SJ
Sample : G4848-05DL 30X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N51DL

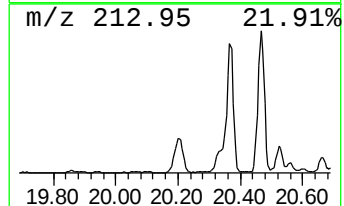
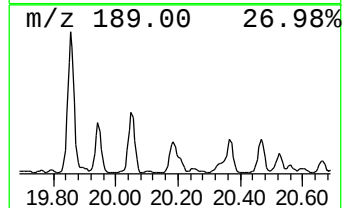
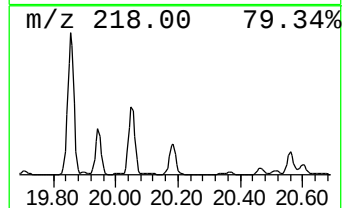
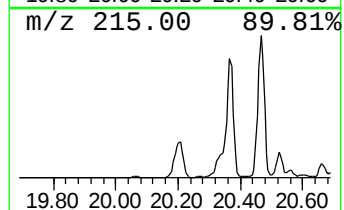
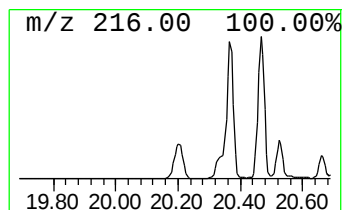
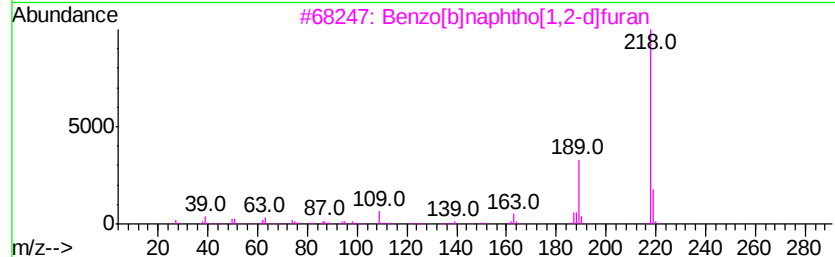
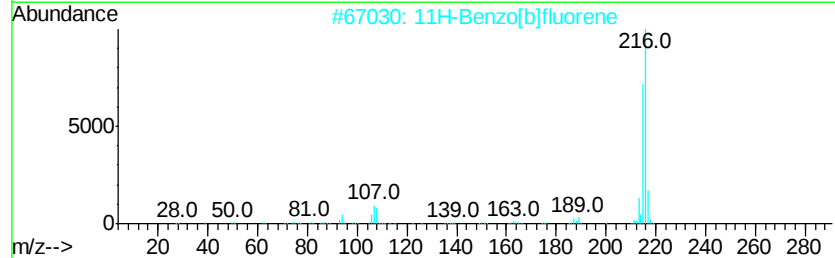
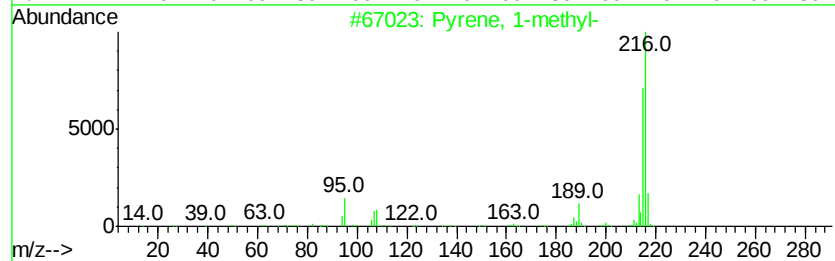
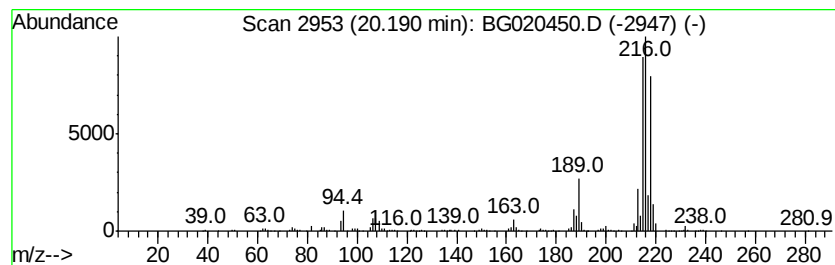
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 Pyrene, 1-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.19	2.98 ng/ul	487298	Chrysene-d12	21.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
3		Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	70
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
5		Pyrene, 1-methyl-	216	C17H12	002381-21-7	64



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020450.D
Acq On : 23 Dec 2015 19:27
Operator : UM/SJ
Sample : G4848-05DL 30X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N51DL

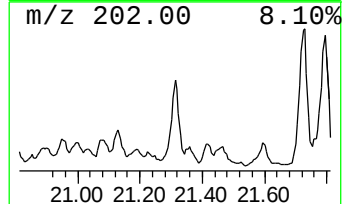
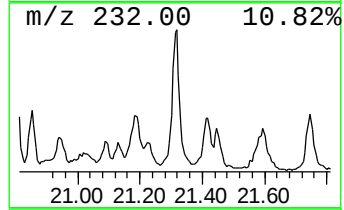
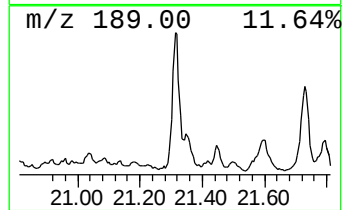
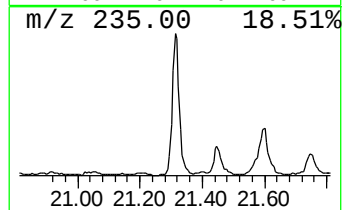
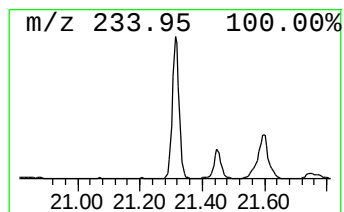
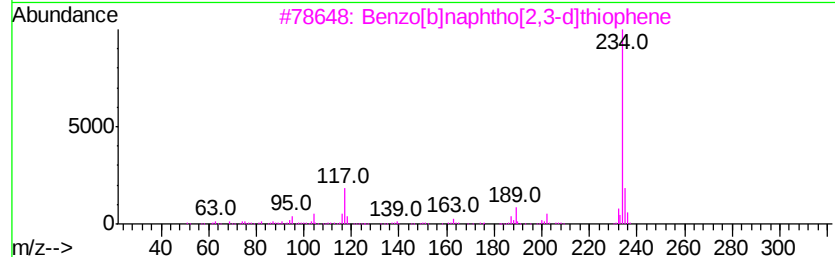
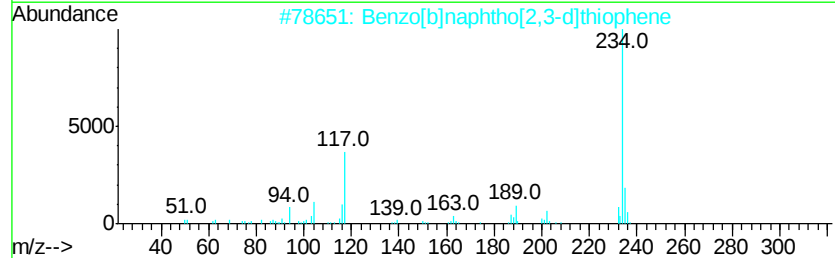
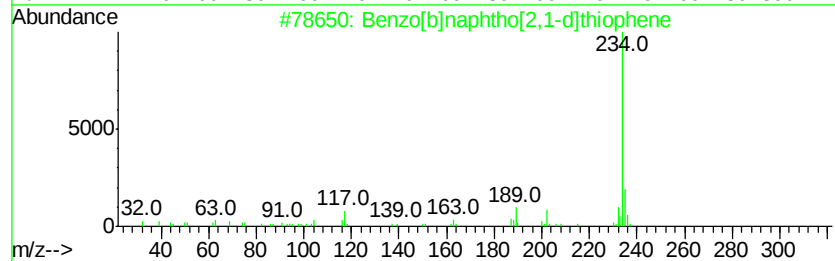
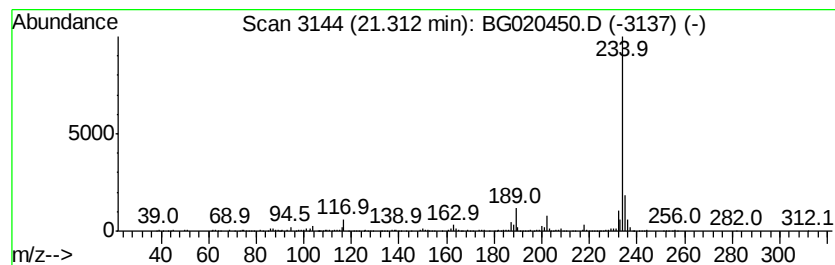
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Quant Title : SVOA CALIBRATION

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

Peak Number 27 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.31	3.18 ng/ul	520600	Chrysene-d12	21.75

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	98
2			Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	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\BG122215\
Data File : BG020450.D
Acq On : 23 Dec 2015 19:27
Operator : UM/SJ
Sample : G4848-05DL 30X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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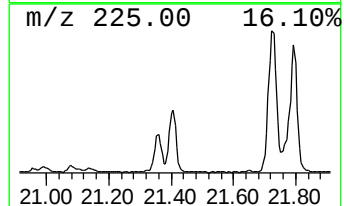
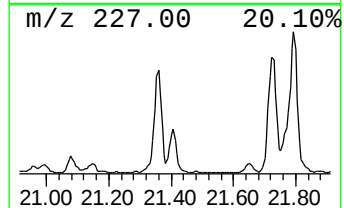
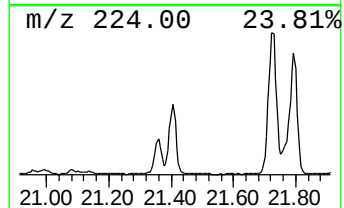
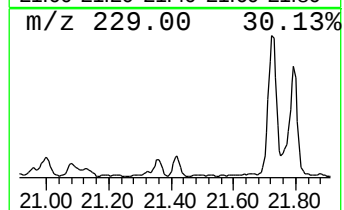
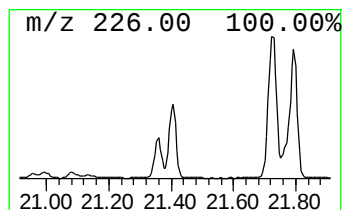
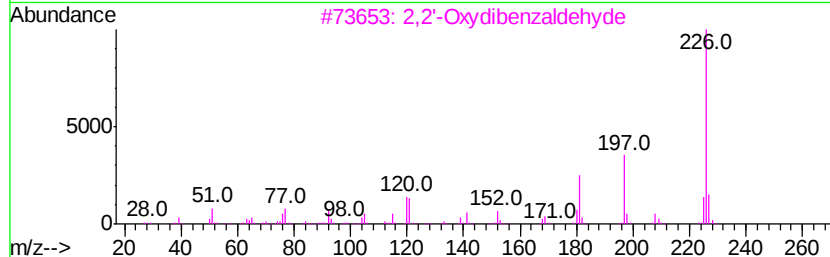
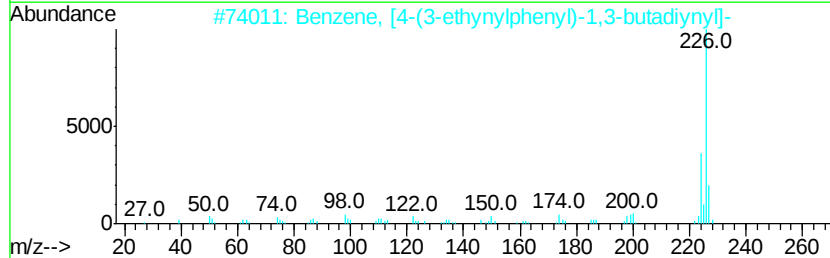
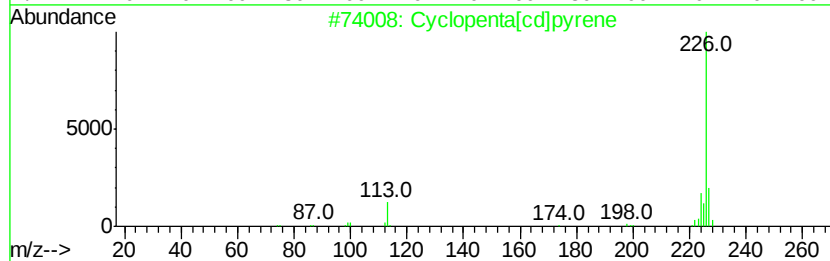
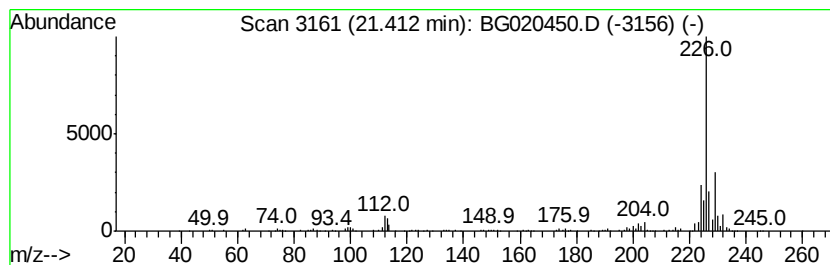
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Quant Title : SVOA CALIBRATION

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

Peak Number 29 Cyclopenta[cd]pyrene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.41	2.05 ng/ul	336097	Chrysene-d12	21.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	70
2		Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	42
3		2,2'-Oxydibenzaldehyde	226	C14H10O3	049590-51-4	40
4		.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	40
5		9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	40



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020450.D
Acq On : 23 Dec 2015 19:27
Operator : UM/SJ
Sample : G4848-05DL 30X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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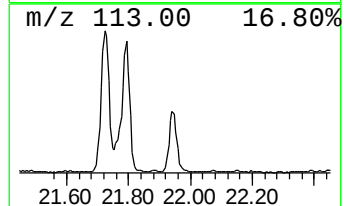
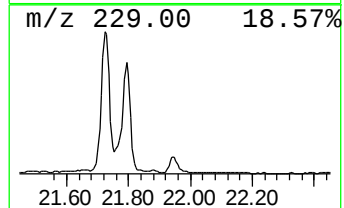
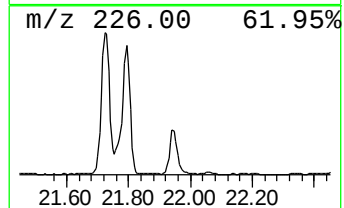
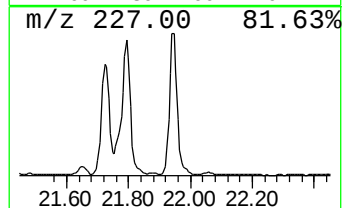
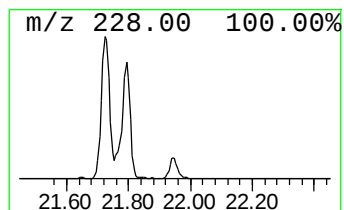
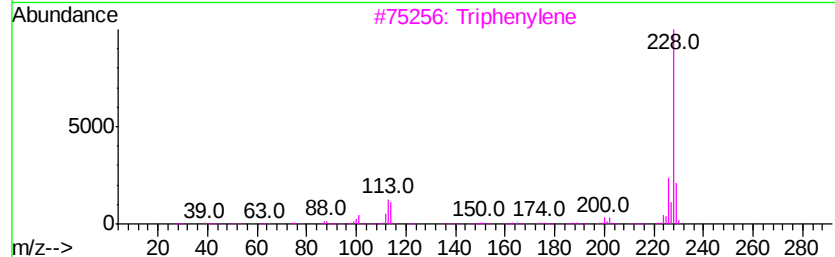
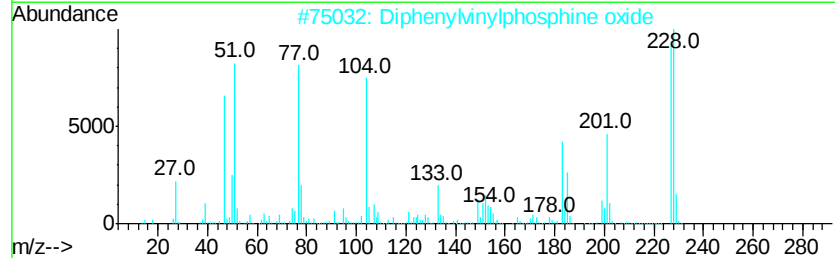
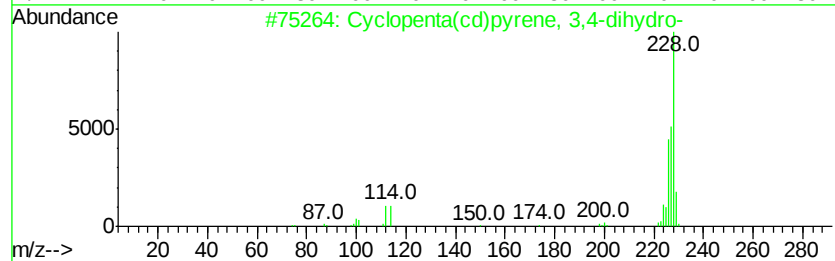
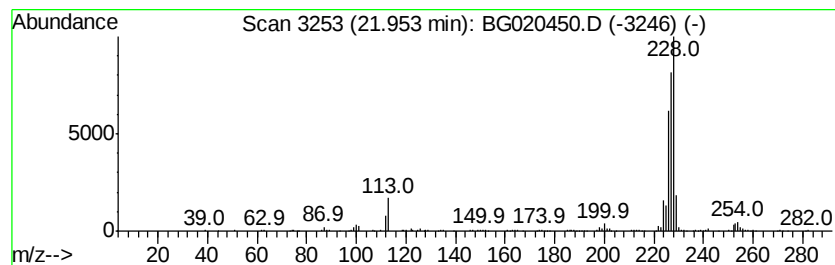
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Quant Title : SVOA CALIBRATION

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

Peak Number 30 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.95	3.27 ng/ul	535494	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	86
2		Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	50
3		Triphenylene	228	C18H12	000217-59-4	43
4		Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	42
5		2-Nitrophenyl selenocyanate	228	C7H4N2O2Se	051694-22-5	38



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020450.D
Acq On : 23 Dec 2015 19:27
Operator : UM/SJ
Sample : G4848-05DL 30X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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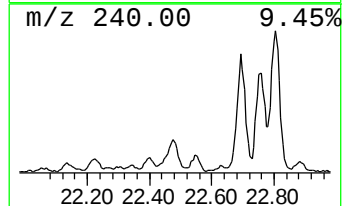
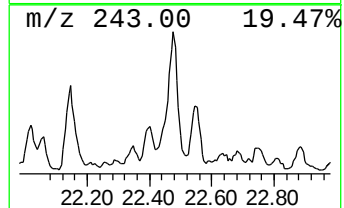
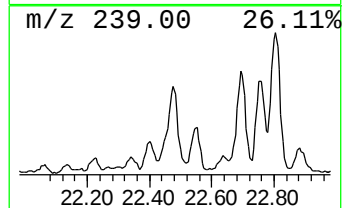
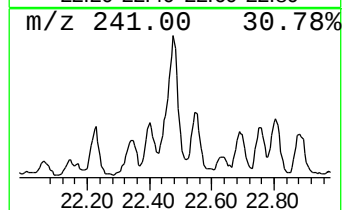
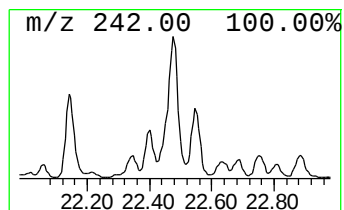
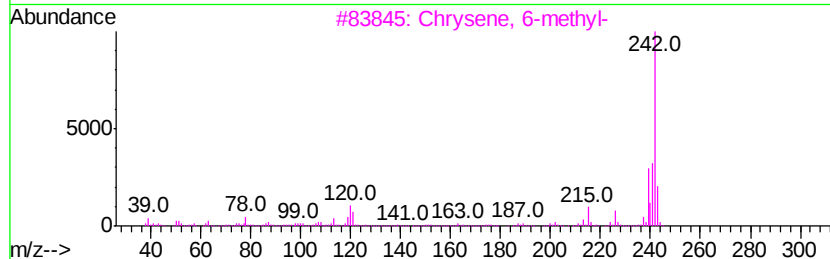
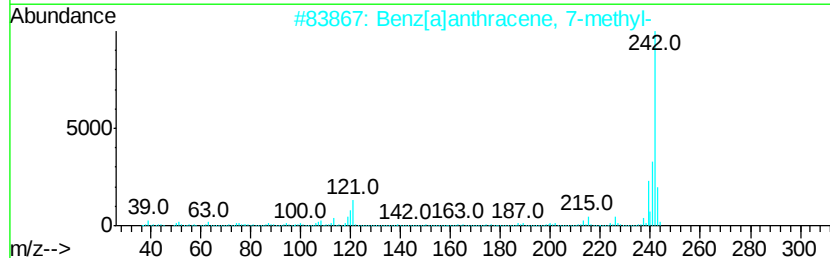
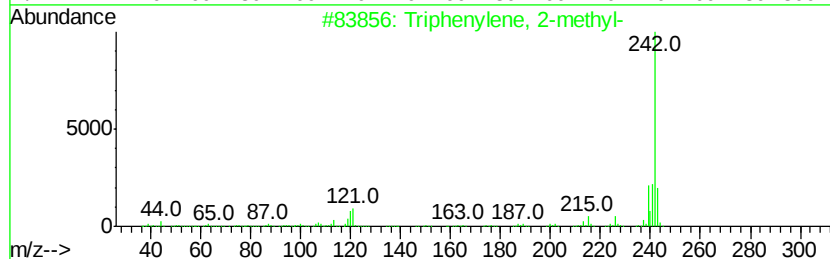
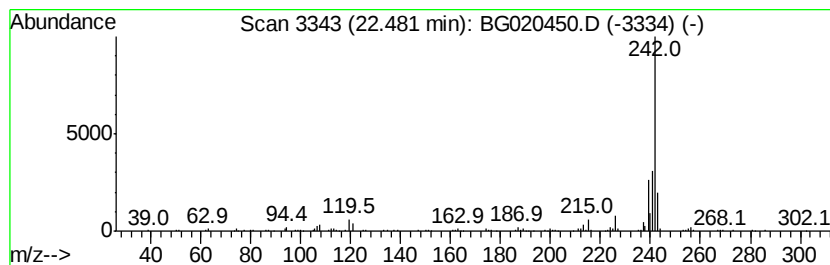
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Quant Title : SVOA CALIBRATION

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

Peak Number 31 Triphenylene, 2-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.48	2.15 ng/ul	351184	Chrysene-d12	21.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
2		Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	96
3		Chrysene, 6-methyl-	242	C19H14	003697-24-3	94
4		Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
5		Chrysene, 2-methyl-	242	C19H14	003351-32-4	91



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
 Data File : BG020450.D
 Acq On : 23 Dec 2015 19:27
 Operator : UM/SJ
 Sample : G4848-05DL 30X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N51DL

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
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Naphthalene, 1-me...	12.78	5.6	ng/ul	2428530	2	10.91	8713300	20.0
Naphthalene, 1-et...	13.75	14.2	ng/ul	704771	3	14.72	989997	20.0
Naphthalene, 2,3-...	14.04	25.4	ng/ul	1255350	3	14.72	989997	20.0
1-Isopropenylnaph...	15.03	8.9	ng/ul	440888	3	14.72	989997	20.0
Naphthalene, 2,3,...	15.19	5.4	ng/ul	269282	3	14.72	989997	20.0
Naphthalene, 1,6,...	15.33	5.0	ng/ul	244941	3	14.72	989997	20.0
Naphthalene, 1,4,...	15.38	4.8	ng/ul	239676	3	14.72	989997	20.0
[1,1'-Biphenyl]-4...	15.54	3.1	ng/ul	151543	3	14.72	989997	20.0
Nordiphenamid	15.93	23.0	ng/ul	1136710	3	14.72	989997	20.0
Naphthalene, 1-(2...	15.98	5.5	ng/ul	273697	3	14.72	989997	20.0
Diphenylmethane	16.02	11.6	ng/ul	574853	3	14.72	989997	20.0
2,4,6-Cycloheptat...	16.06	22.4	ng/ul	1108170	3	14.72	989997	20.0
Phenanthrene, 1-m...	18.39	2.2	ng/ul	2008020	4	17.48	18539500	20.0
4H-Cyclopenta[def...	18.55	4.1	ng/ul	3819180	4	17.48	18539500	20.0
1,6-Dimethylphena...	19.76	3.0	ng/ul	482211	5	21.75	3273550	20.0
Benzo[b]naphtho[2...	20.05	3.8	ng/ul	616966	5	21.75	3273550	20.0
Pyrene, 1-methyl-	20.19	3.0	ng/ul	487298	5	21.75	3273550	20.0
Benzo[b]naphtho[2...	21.31	3.2	ng/ul	520600	5	21.75	3273550	20.0
Cyclopenta[cd]pyrene	21.41	2.0	ng/ul	336097	5	21.75	3273550	20.0
Cyclopenta(cd)pyr...	21.95	3.3	ng/ul	535494	5	21.75	3273550	20.0
Triphenylene, 2-m...	22.48	2.1	ng/ul	351184	5	21.75	3273550	20.0