

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
 Data File : BG020400.D
 Acq On : 22 Dec 2015 6:10
 Operator : UM/SJ
 Sample : G4848-04DL 30X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N50DL

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	8.091	888	894	903	rBB	58172	96126	3.87%	0.604%
2	8.632	979	986	994	rBB	23433	38714	1.56%	0.243%
3	10.906	1365	1373	1377	rBV	83303	154628	6.23%	0.971%
4	10.959	1377	1382	1393	rVV	535070	966947	38.95%	6.071%
5	11.076	1393	1402	1410	rVB2	15432	29212	1.18%	0.183%
6	11.734	1509	1514	1521	rBV2	10075	17545	0.71%	0.110%
7	12.557	1647	1654	1666	rVB	284059	467574	18.83%	2.936%
8	12.774	1680	1691	1703	rBB	135099	225730	9.09%	1.417%
9	13.555	1817	1824	1834	rBB	98952	150668	6.07%	0.946%
10	13.749	1852	1857	1867	rVB	32982	56858	2.29%	0.357%
11	13.884	1872	1880	1881	rBV	41241	60011	2.42%	0.377%
12	14.043	1900	1907	1912	rBV	62526	112874	4.55%	0.709%
13	14.096	1912	1916	1924	rVV2	43303	72854	2.93%	0.457%
14	14.278	1942	1947	1950	rBV2	24557	35925	1.45%	0.226%
15	14.443	1966	1975	1982	rBV2	31793	55971	2.25%	0.351%
16	14.689	2011	2017	2019	rBV	41348	62492	2.52%	0.392%
17	14.725	2019	2023	2028	rVV2	134455	222035	8.94%	1.394%
18	14.789	2028	2034	2040	rVV	569870	879100	35.41%	5.520%
19	14.854	2040	2045	2051	rVV	23288	37029	1.49%	0.232%
20	14.919	2051	2056	2065	rVV3	9265	22338	0.90%	0.140%
21	15.030	2065	2075	2080	rVV3	21197	39462	1.59%	0.248%
22	15.118	2083	2090	2098	rVV	379695	589896	23.76%	3.704%
23	15.189	2098	2102	2111	rVB2	14203	21963	0.88%	0.138%
24	15.330	2120	2126	2131	rBV3	10508	18731	0.75%	0.118%
25	15.383	2131	2135	2145	rVB2	11439	17978	0.72%	0.113%
26	15.500	2148	2155	2159	rBV3	8027	16198	0.65%	0.102%
27	15.682	2182	2186	2188	rVV3	10472	14613	0.59%	0.092%
28	15.771	2194	2201	2209	rVV	505346	780532	31.44%	4.901%
29	15.859	2211	2216	2218	rVV	22730	31649	1.27%	0.199%
30	15.888	2218	2221	2224	rVV2	35445	56022	2.26%	0.352%
31	15.929	2224	2228	2233	rVV2	69424	107532	4.33%	0.675%
32	15.976	2233	2236	2239	rVV3	14643	23190	0.93%	0.146%
33	16.017	2239	2243	2246	rVV2	32651	51639	2.08%	0.324%
34	16.058	2246	2250	2259	rVB	74056	110275	4.44%	0.692%

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35	16.205	2265	2275	2283	rBV	78251	166043	6.69%	1.043%
36	16.293	2288	2290	2296	rVB2	11788	15898	0.64%	0.100%
37	16.558	2326	2335	2341	rVB	43029	62337	2.51%	0.391%
38	16.769	2359	2371	2375	rBV2	55163	123601	4.98%	0.776%
39	16.816	2375	2379	2385	rVB2	18272	25829	1.04%	0.162%
40	16.916	2390	2396	2401	rVB3	21588	36712	1.48%	0.231%
41	16.993	2401	2409	2412	rBV4	18595	37947	1.53%	0.238%
42	17.034	2412	2416	2420	rVB2	16960	21471	0.86%	0.135%
43	17.122	2427	2431	2438	rVB4	10241	18450	0.74%	0.116%
44	17.192	2438	2443	2454	rBV3	23462	64046	2.58%	0.402%
45	17.286	2454	2459	2468	rVB	116280	175935	7.09%	1.105%
46	17.469	2483	2490	2493	rBV	189275	303589	12.23%	1.906%
47	17.516	2493	2498	2504	rVV	1549818	2482558	100.00%	15.587%
48	17.574	2504	2508	2509	rVV2	29312	44556	1.79%	0.280%
49	17.604	2509	2513	2518	rVV	106712	158630	6.39%	0.996%
50	17.651	2518	2521	2526	rVB4	7651	15271	0.62%	0.096%
51	17.868	2550	2558	2567	rBV	76953	133379	5.37%	0.837%
52	17.986	2573	2578	2583	rVV3	26136	39608	1.60%	0.249%
53	18.050	2583	2589	2597	rVB7	10787	24402	0.98%	0.153%
54	18.191	2608	2613	2621	rVB2	10508	24274	0.98%	0.152%
55	18.344	2633	2639	2642	rBV	104977	151031	6.08%	0.948%
56	18.391	2642	2647	2653	rVB	148608	222216	8.95%	1.395%
57	18.467	2653	2660	2666	rBV	49072	77307	3.11%	0.485%
58	18.538	2666	2672	2676	rBV2	197909	351373	14.15%	2.206%
59	18.832	2717	2722	2727	rVV	89225	127316	5.13%	0.799%
60	19.078	2759	2764	2768	rVB4	16021	20819	0.84%	0.131%
61	19.131	2768	2773	2776	rBV	13766	16964	0.68%	0.107%
62	19.167	2776	2779	2783	rVB2	11925	15055	0.61%	0.095%
63	19.249	2787	2793	2799	rBV3	27087	52572	2.12%	0.330%
64	19.313	2799	2804	2807	rBV4	14977	23657	0.95%	0.149%
65	19.384	2812	2816	2826	rVB5	10624	27464	1.11%	0.172%
66	19.519	2832	2839	2846	rBV	1038930	1479214	59.58%	9.288%
67	19.607	2851	2854	2858	rVB2	16807	22061	0.89%	0.139%
68	19.760	2875	2880	2888	rVB	28214	48381	1.95%	0.304%
69	19.848	2888	2895	2896	rBV	178654	256212	10.32%	1.609%
70	19.877	2896	2900	2908	rVV	638033	954246	38.44%	5.991%
71	19.942	2908	2911	2918	rVB2	33925	53408	2.15%	0.335%

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72	20.054	2924	2930	2935	rVB	36757	52722	2.12%	0.331%
73	20.112	2935	2940	2945	rVB3	9193	13722	0.55%	0.086%
74	20.201	2948	2955	2960	rBV3	33982	85737	3.45%	0.538%
75	20.253	2960	2964	2970	rVB	16765	20534	0.83%	0.129%
76	20.365	2970	2983	2989	rBV	119828	201278	8.11%	1.264%
77	20.465	2993	3000	3004	rBV	135476	192086	7.74%	1.206%
78	20.524	3004	3010	3013	rVV2	30676	62813	2.53%	0.394%
79	20.559	3013	3016	3020	rVV	21496	23986	0.97%	0.151%
80	20.600	3020	3023	3027	rVB3	10787	15912	0.64%	0.100%
81	20.659	3029	3033	3037	rBV	13849	18814	0.76%	0.118%
82	20.706	3037	3041	3045	rBV	15898	20068	0.81%	0.126%
83	20.894	3068	3073	3076	rBV	18218	27849	1.12%	0.175%
84	20.959	3079	3084	3087	rVV4	8659	14344	0.58%	0.090%
85	20.994	3087	3090	3095	rVB3	9765	15042	0.61%	0.094%
86	21.082	3100	3105	3110	rVV3	14762	28460	1.15%	0.179%
87	21.135	3110	3114	3119	rVV4	9827	19865	0.80%	0.125%
88	21.317	3140	3145	3149	rBV	27989	43303	1.74%	0.272%
89	21.358	3149	3152	3157	rVB	25404	33343	1.34%	0.209%
90	21.411	3157	3161	3166	rBV3	21772	34737	1.40%	0.218%
91	21.740	3204	3217	3222	rVV2	290300	711969	28.68%	4.470%
92	21.787	3222	3225	3237	rVB	118385	209566	8.44%	1.316%
93	21.946	3246	3252	3258	rBV	24953	40692	1.64%	0.255%
94	22.157	3282	3288	3294	rVV3	11049	25114	1.01%	0.158%
95	22.480	3335	3343	3350	rVV	11616	30659	1.23%	0.192%
96	22.803	3396	3398	3406	rVB5	8753	16447	0.66%	0.103%
97	23.973	3589	3597	3604	rBV2	25043	85448	3.44%	0.537%
98	24.707	3716	3722	3731	rBV2	10914	30475	1.23%	0.191%
99	24.866	3741	3749	3760	rVB3	13194	43128	1.74%	0.271%
100	25.019	3764	3775	3787	rBV	88053	290618	11.71%	1.825%

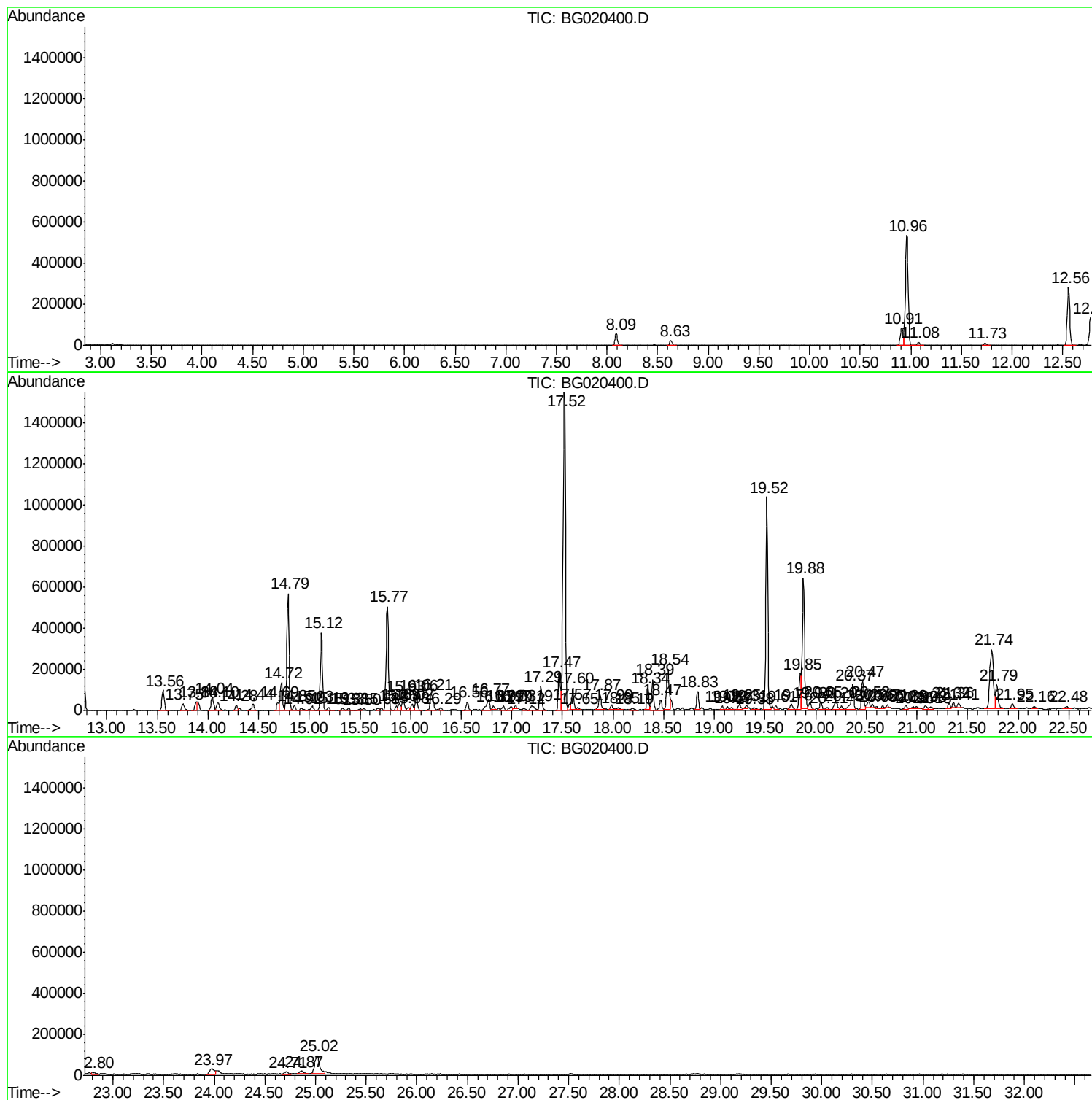
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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



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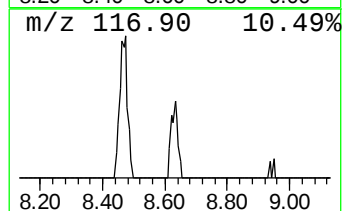
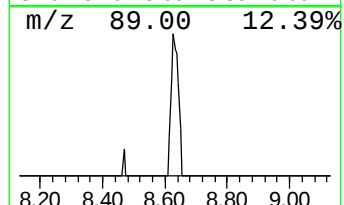
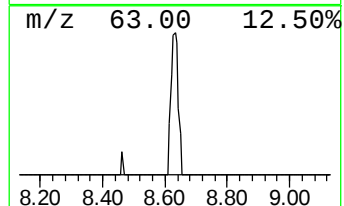
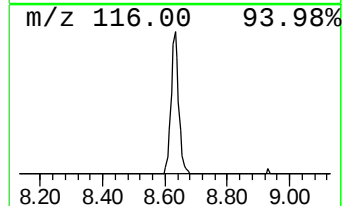
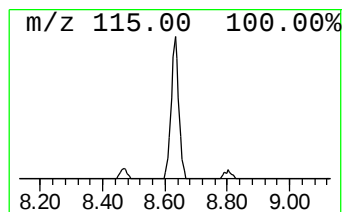
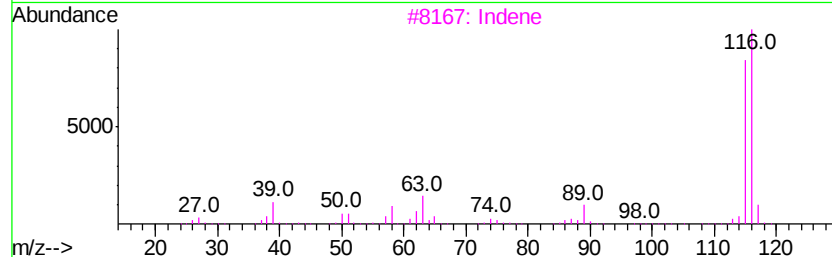
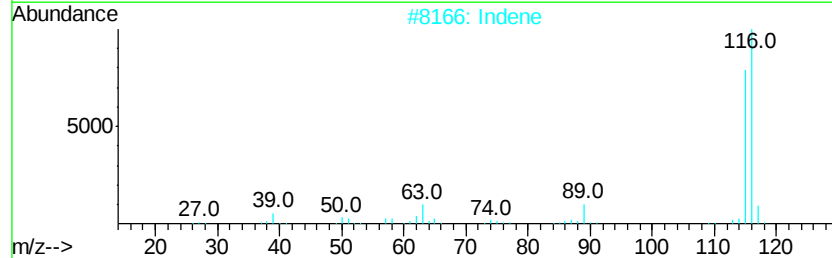
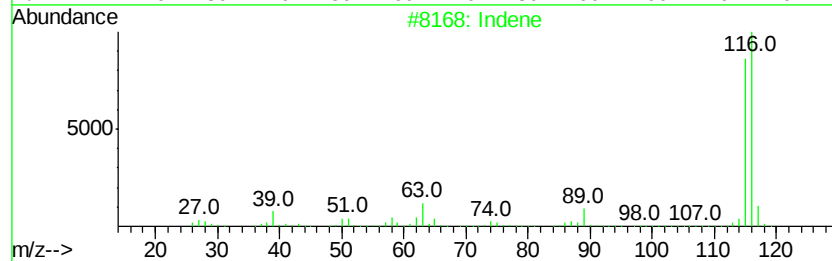
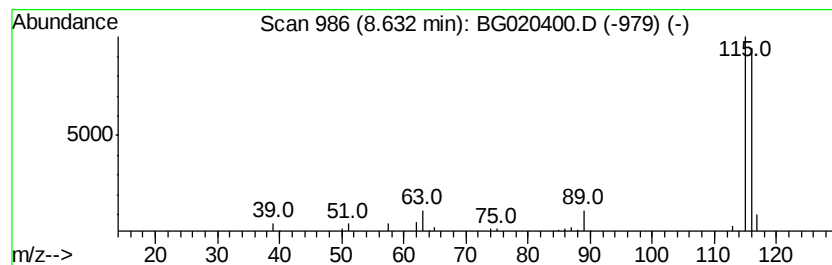
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Indene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	8.05 ng/ul	38714	1,4-Dichlorobenzene-d4	8.09

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



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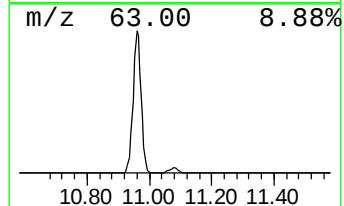
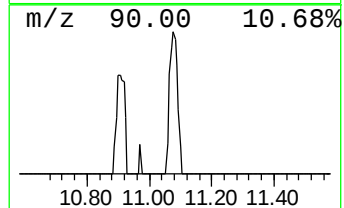
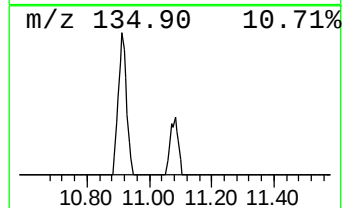
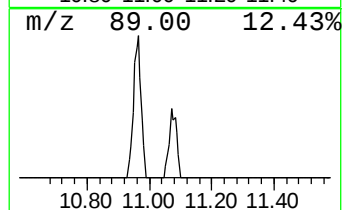
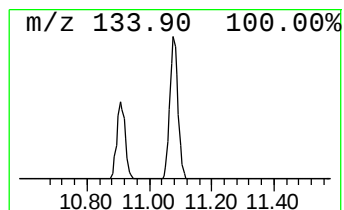
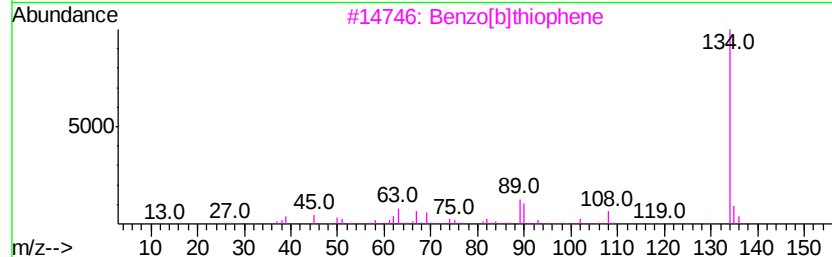
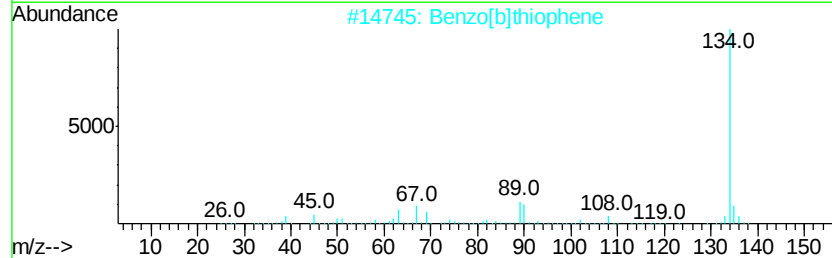
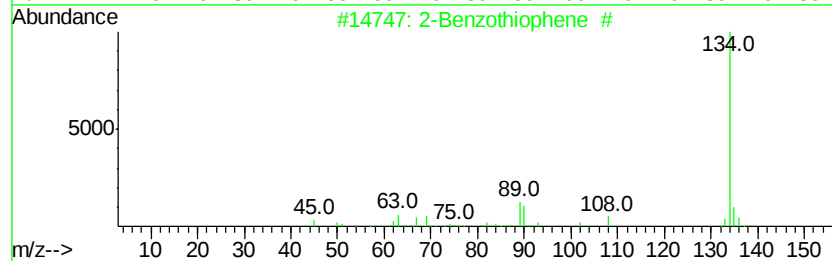
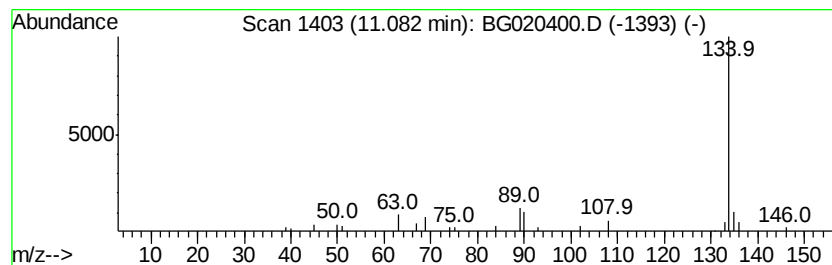
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Benzothiophene # Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	3.78 ng/ul	29212	Napthalene-d8	10.91

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Benzothiophene #	134	C8H6S	000270-82-6	94
2		Benzo[b]thiophene	134	C8H6S	000095-15-8	94
3		Benzo[b]thiophene	134	C8H6S	000095-15-8	91
4		Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	91
5		Benzo[b]thiophene	134	C8H6S	000095-15-8	91



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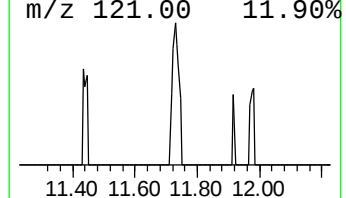
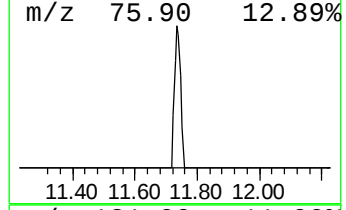
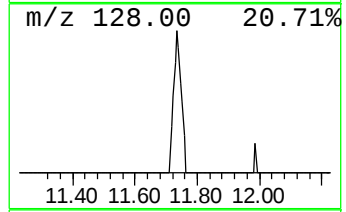
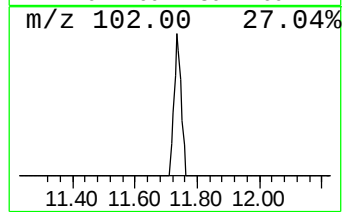
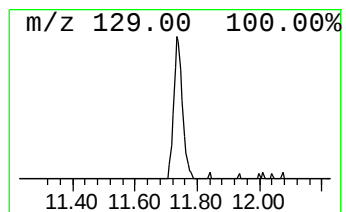
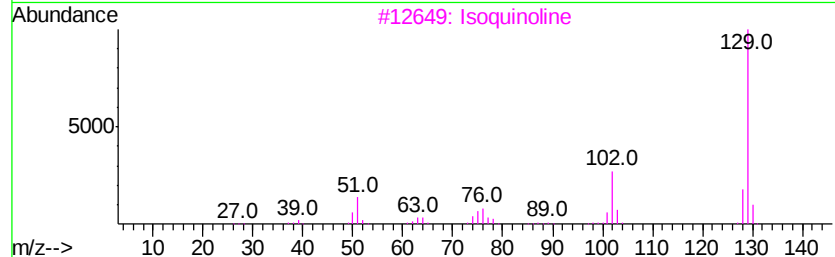
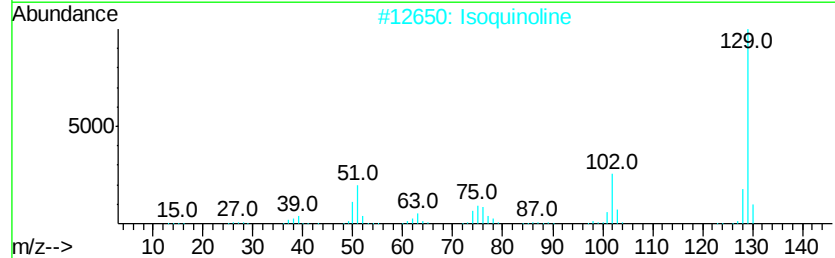
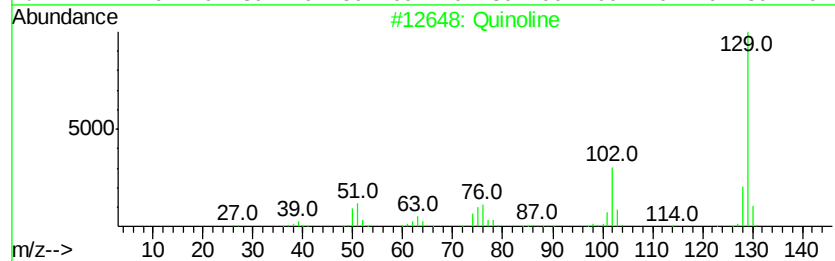
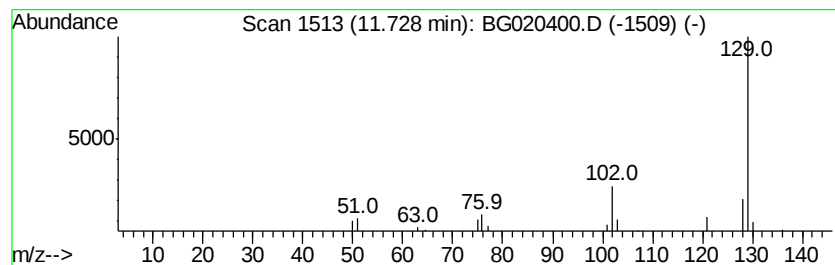
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TIC Integration Parameters: LSCINT.P

Peak Number 3 Quinoline Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	2.27 ng/ul	17545	Naphthalene-d8	10.91

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Quinoline	129	C9H7N	000091-22-5	94
2		Isoquinoline	129	C9H7N	000119-65-3	91
3		Isoquinoline	129	C9H7N	000119-65-3	91
4		Quinoline	129	C9H7N	000091-22-5	91
5		Quinoline	129	C9H7N	000091-22-5	91



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020400.D
Acq On : 22 Dec 2015 6:10
Operator : UM/SJ
Sample : G4848-04DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N50DL

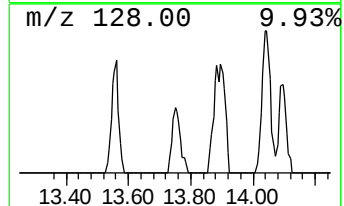
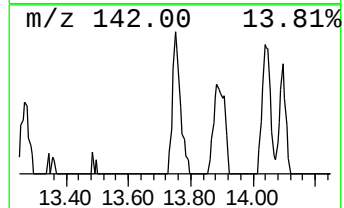
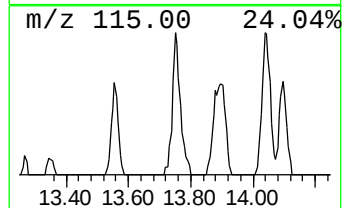
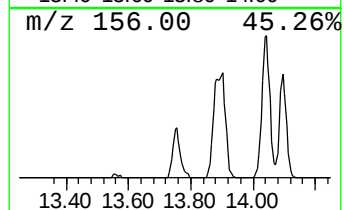
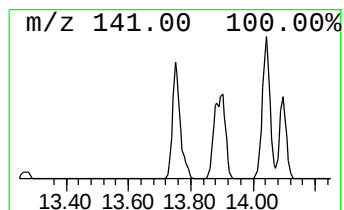
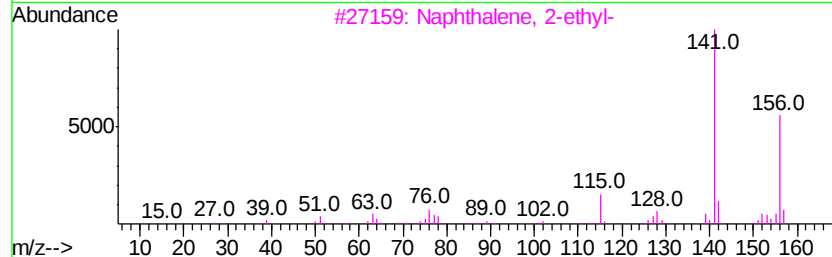
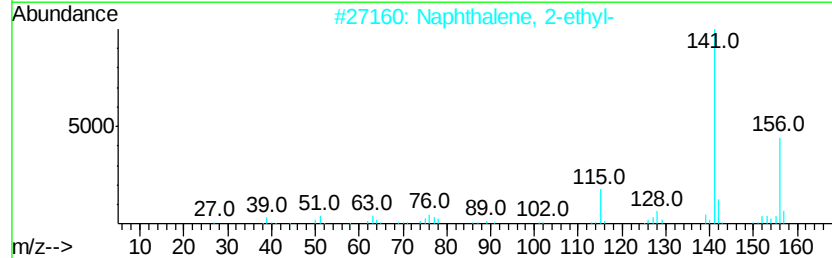
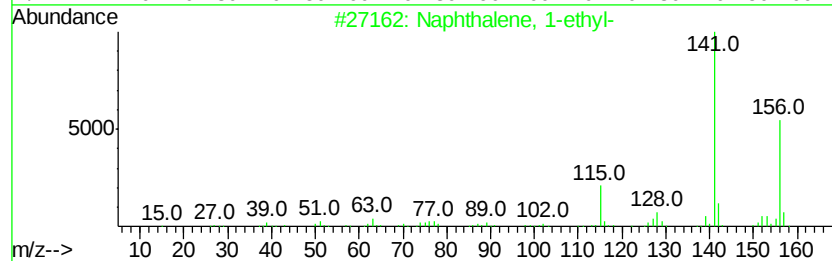
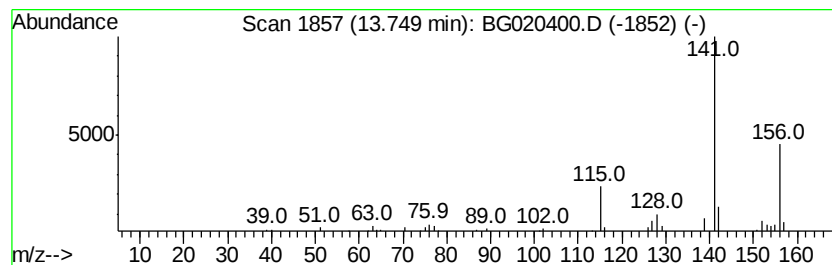
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Naphthalene, 1-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	5.12 ng/ul	56858	Acenaphthene-d10	14.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
2		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
4		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91
5		Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	91



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020400.D
Acq On : 22 Dec 2015 6:10
Operator : UM/SJ
Sample : G4848-04DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N50DL

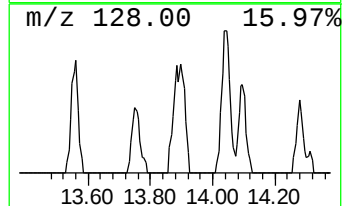
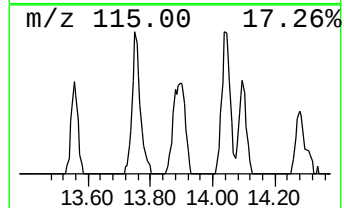
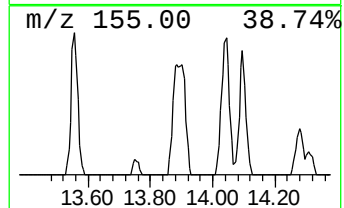
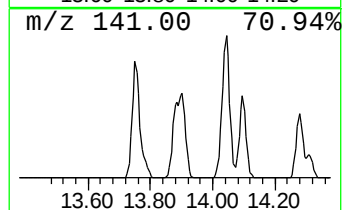
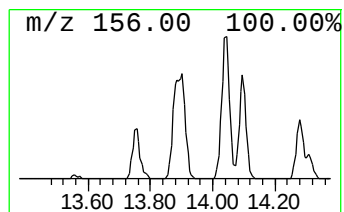
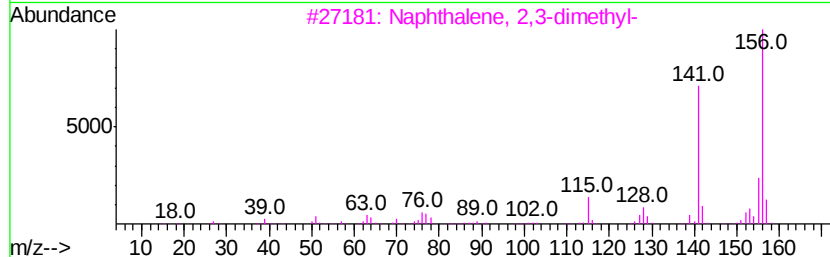
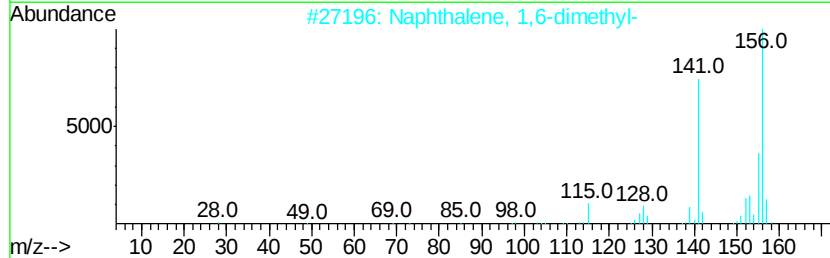
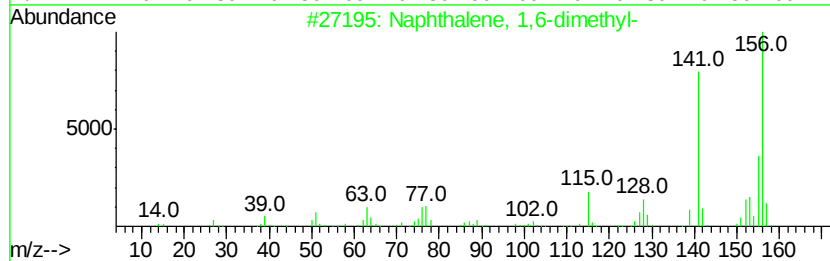
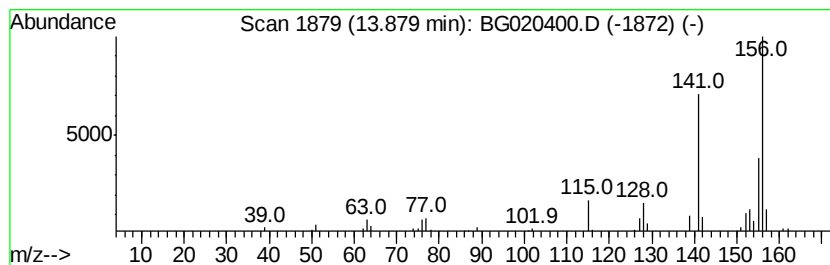
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Naphthalene, 1,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	5.41 ng/ul	60011	Acenaphthene-d10	14.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020400.D
Acq On : 22 Dec 2015 6:10
Operator : UM/SJ
Sample : G4848-04DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N50DL

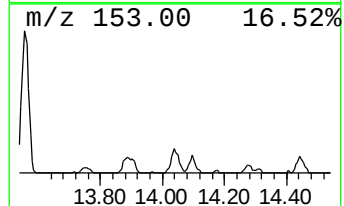
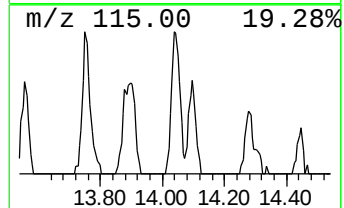
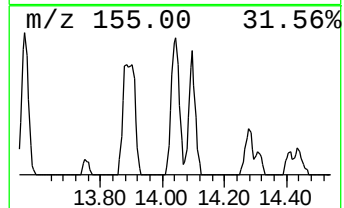
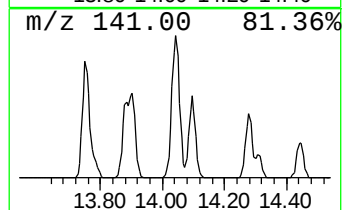
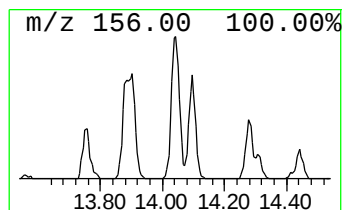
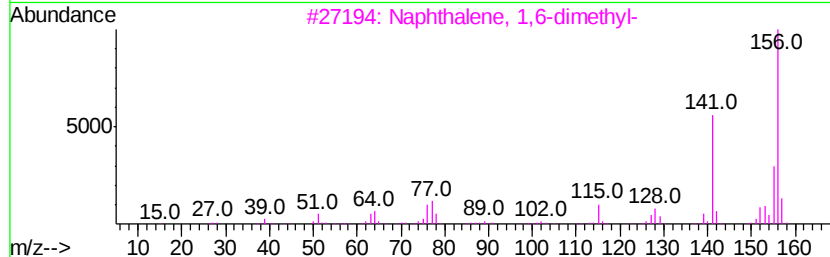
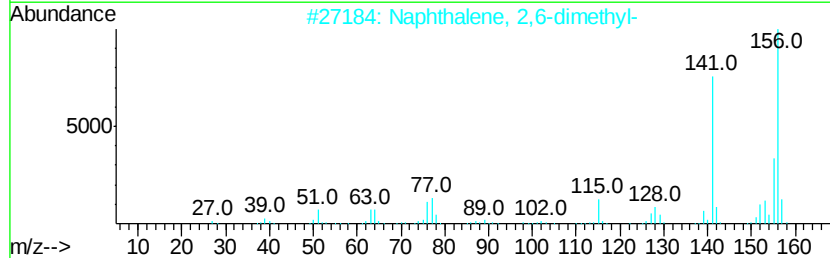
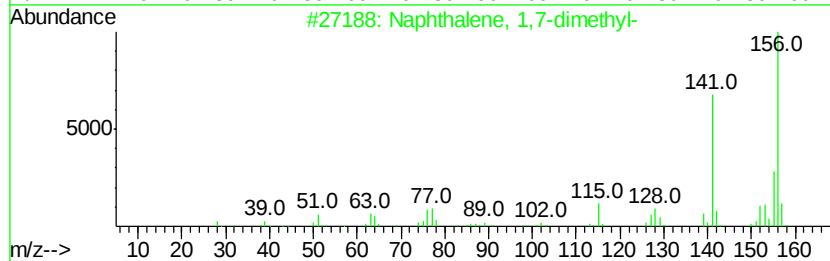
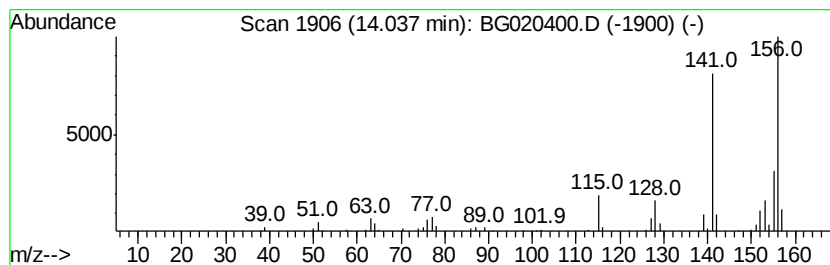
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Naphthalene, 1,7-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	10.17 ng/ul	112874	Acenaphthene-d10	14.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020400.D
Acq On : 22 Dec 2015 6:10
Operator : UM/SJ
Sample : G4848-04DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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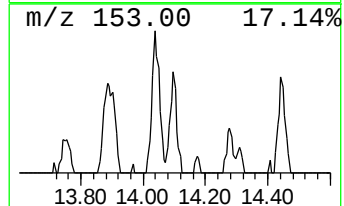
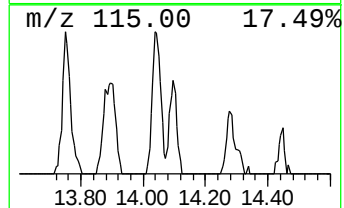
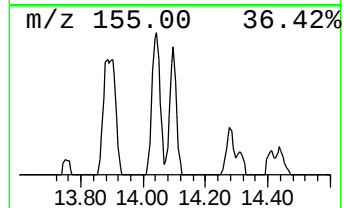
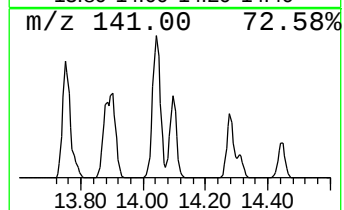
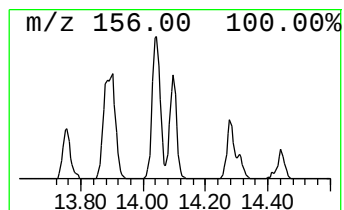
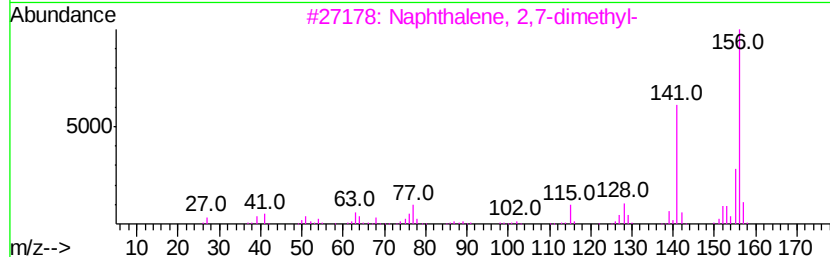
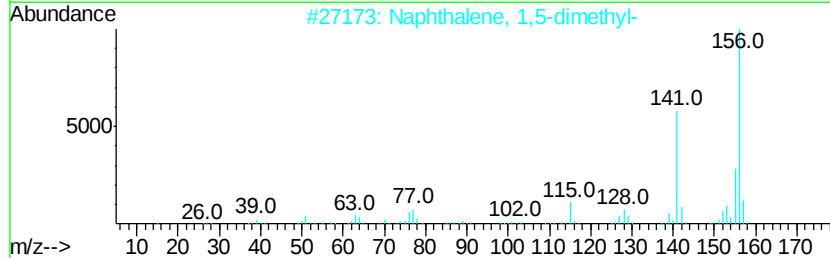
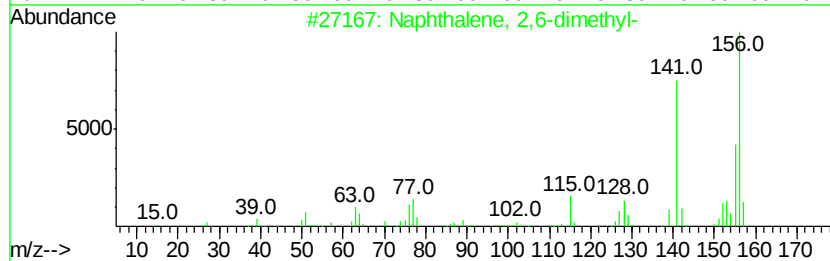
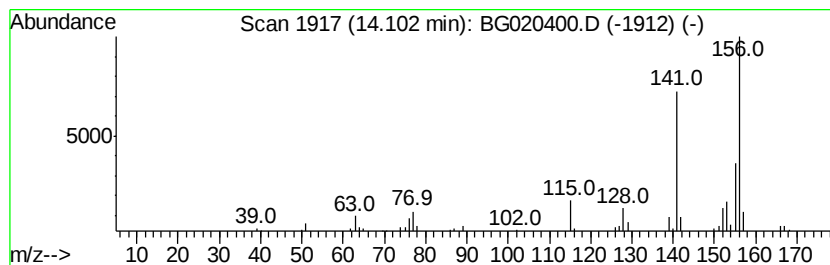
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 Naphthalene, 2,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	6.56 ng/ul	72854	Acenaphthene-d10	14.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020400.D
Acq On : 22 Dec 2015 6:10
Operator : UM/SJ
Sample : G4848-04DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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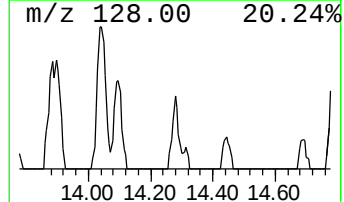
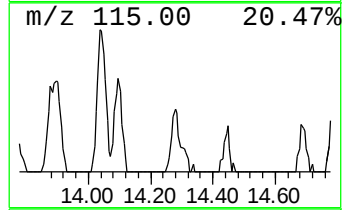
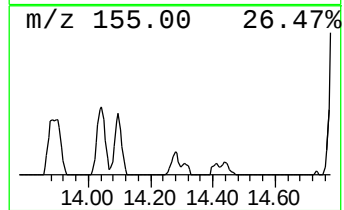
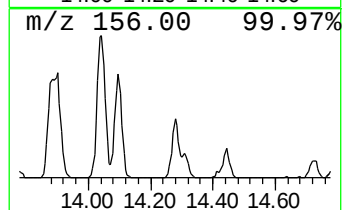
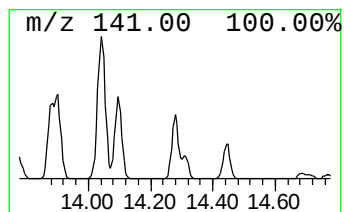
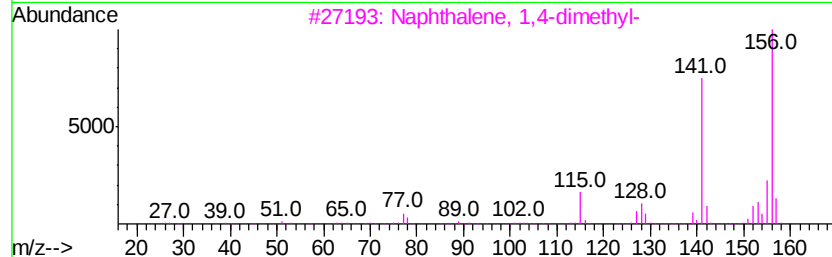
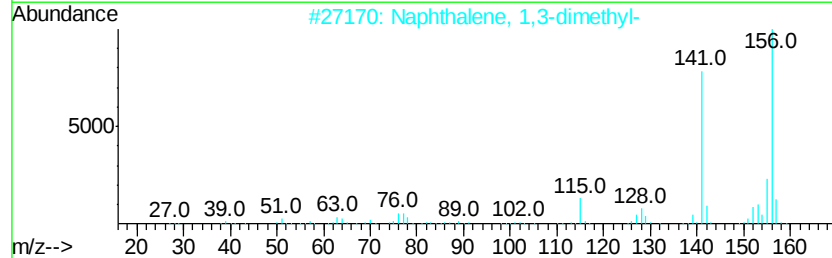
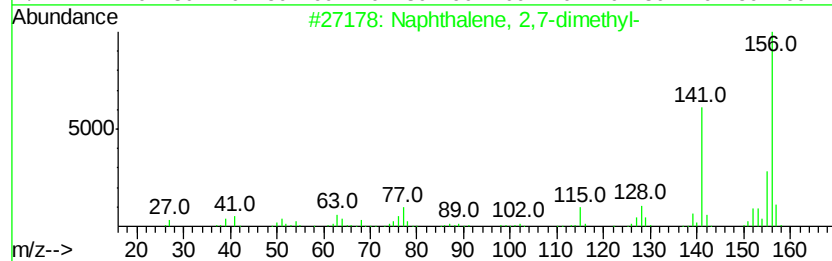
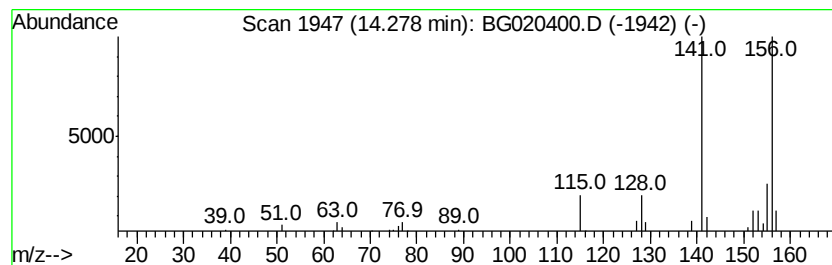
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 Naphthalene, 2,7-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	3.24 ng/ul	35925	Acenaphthene-d10	14.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
3		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
4		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020400.D
Acq On : 22 Dec 2015 6:10
Operator : UM/SJ
Sample : G4848-04DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N50DL

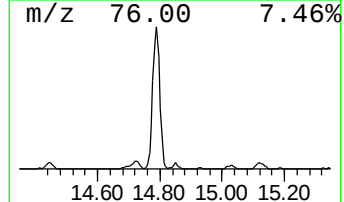
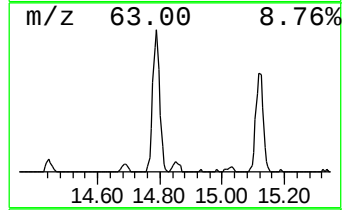
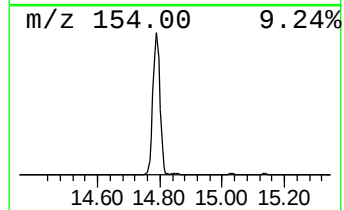
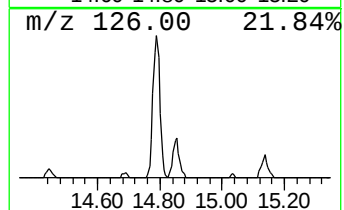
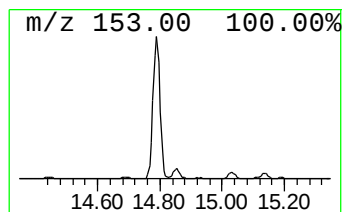
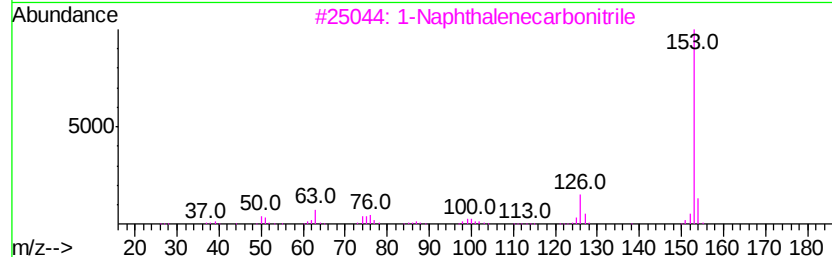
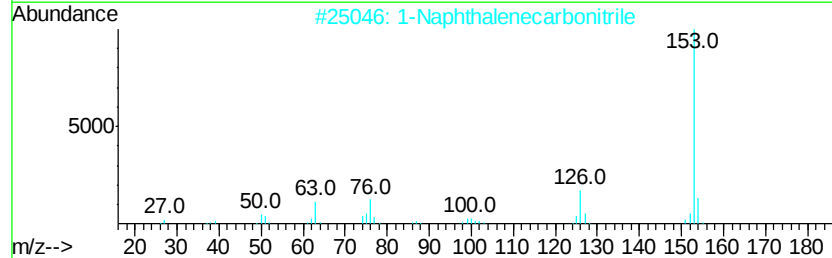
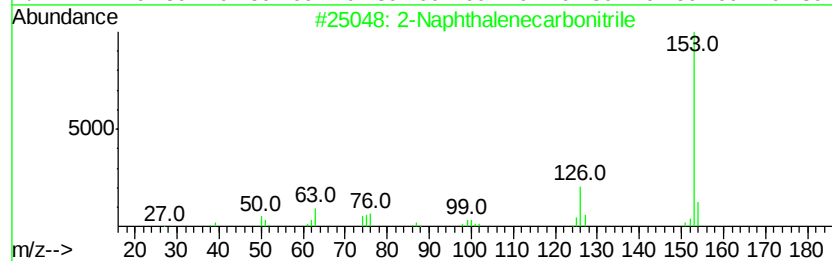
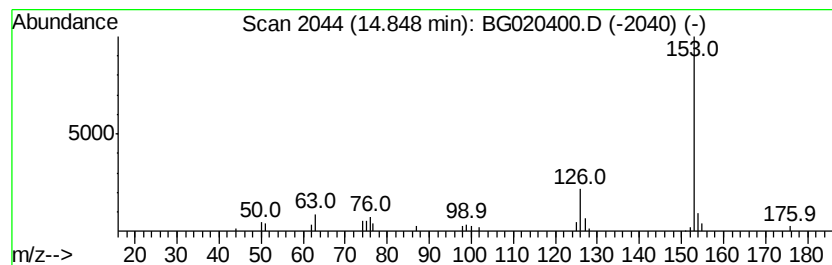
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 2-Naphthalenecarbonitrile Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	3.34 ng/ul	37029	Acenaphthene-d10	14.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
2			1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
3			1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
4			2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	80
5			1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	80



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020400.D
Acq On : 22 Dec 2015 6:10
Operator : UM/SJ
Sample : G4848-04DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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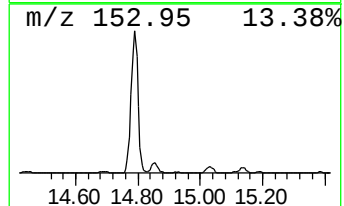
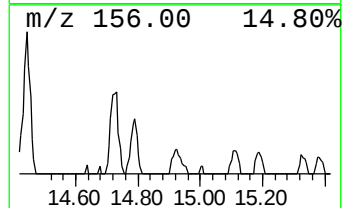
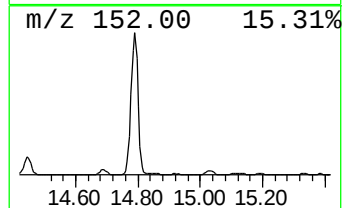
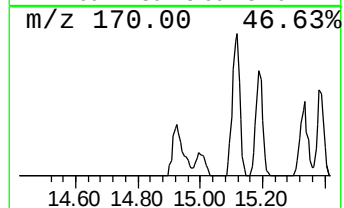
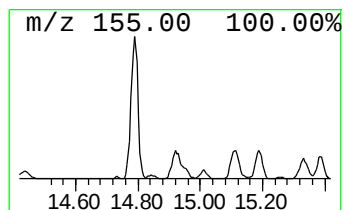
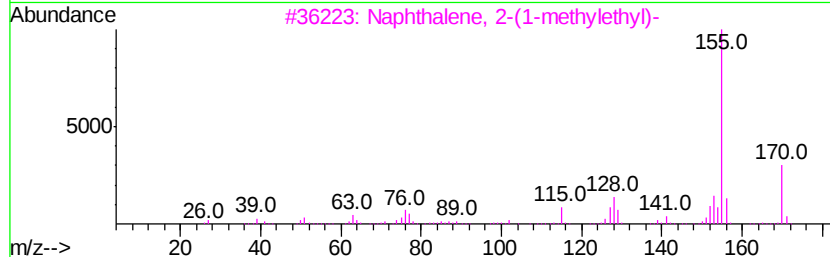
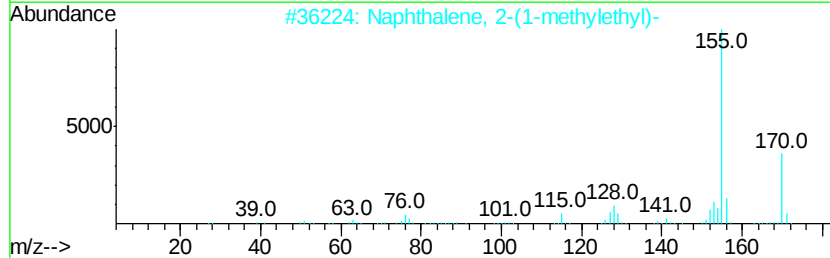
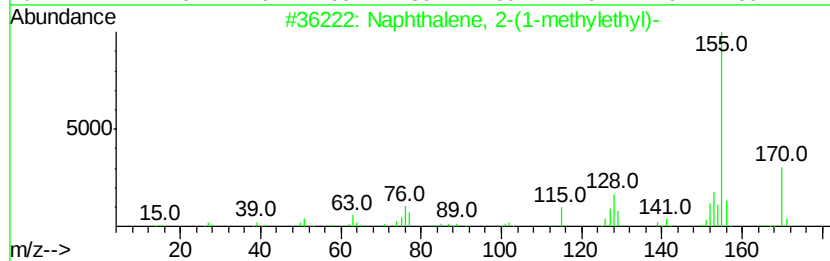
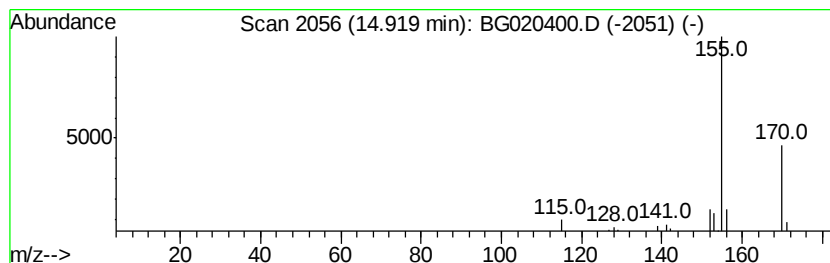
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 Naphthalene, 2-(1-methylethyl) Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	2.01 ng/ul	22338	Acenaphthene-d10	14.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	86
2			Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	86
3			Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	86
4			3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	83
5			1'-Acetonaphthone	170	C12H10O	000941-98-0	64



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020400.D
Acq On : 22 Dec 2015 6:10
Operator : UM/SJ
Sample : G4848-04DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N50DL

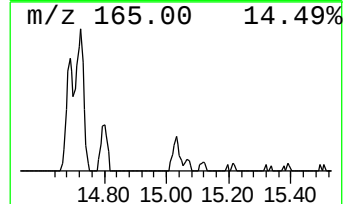
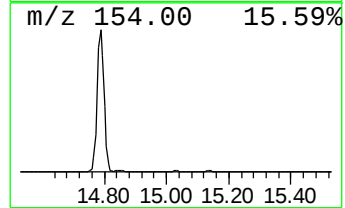
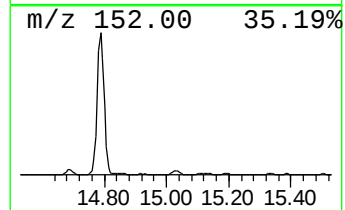
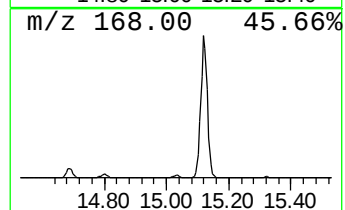
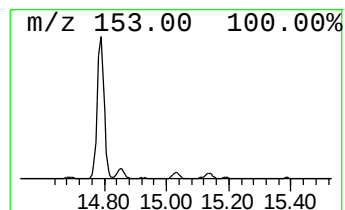
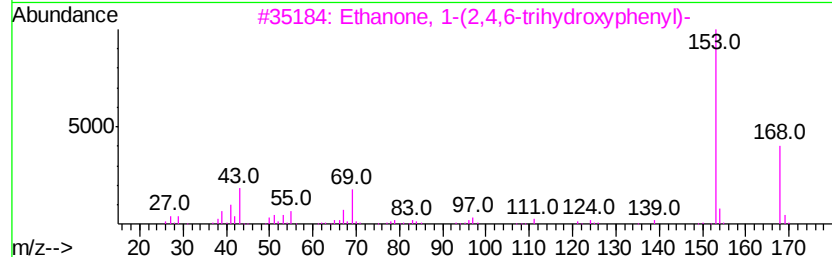
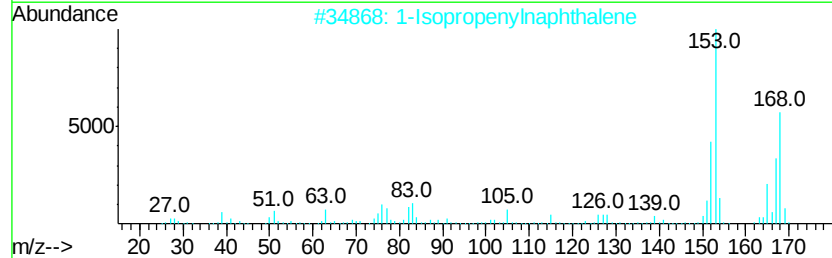
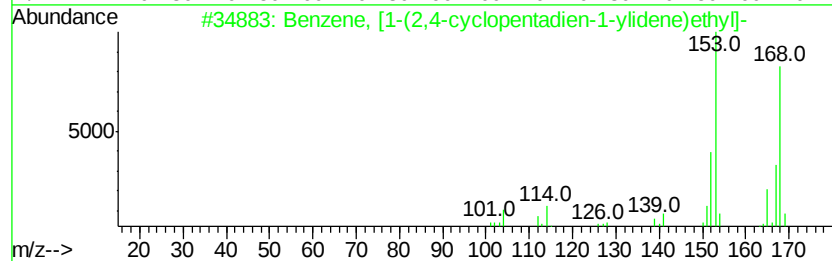
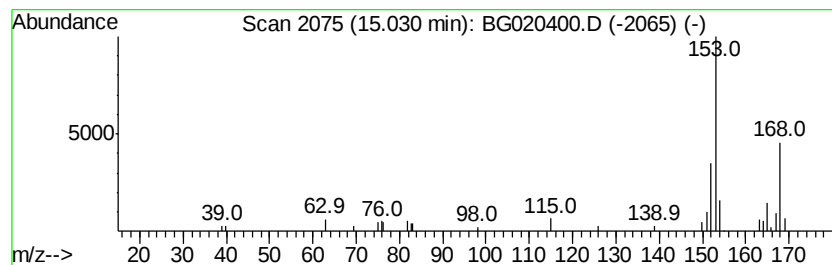
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 Benzene, [1-(2,4-cyclopenta... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	3.55 ng/ul	39462	Acenaphthene-d10	14.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
2			1-Isopropenylnaphthalene	168	C13H12	001855-47-6	58
3			Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50
4			Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50
5			Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	50



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020400.D
Acq On : 22 Dec 2015 6:10
Operator : UM/SJ
Sample : G4848-04DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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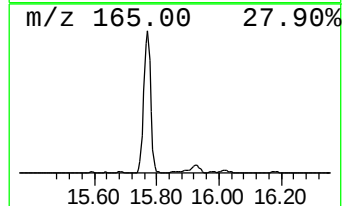
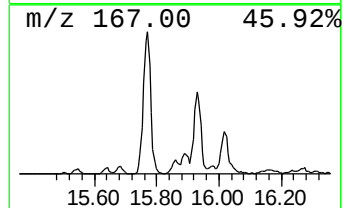
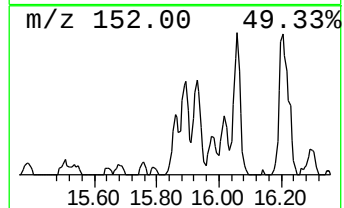
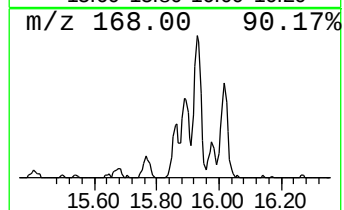
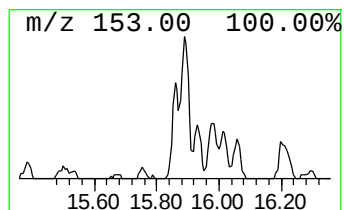
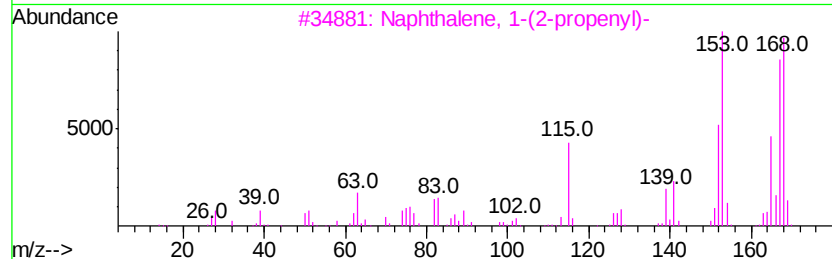
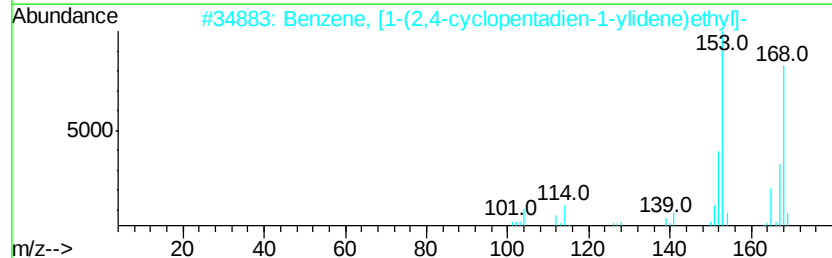
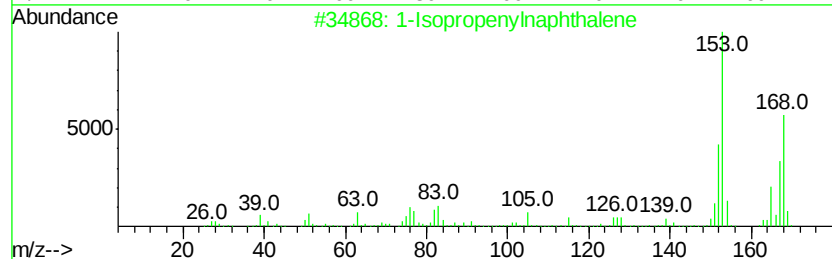
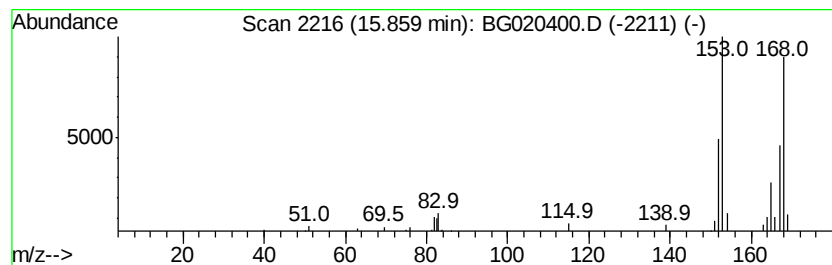
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 1-Isopropenylnaphthalene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	2.85 ng/ul	31649	Acenaphthene-d10	14.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Isopropenylnaphthalene	168	C13H12	001855-47-6	81
2			Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
3			Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	58
4			Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	53
5			Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	50



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020400.D
Acq On : 22 Dec 2015 6:10
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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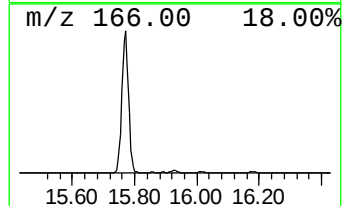
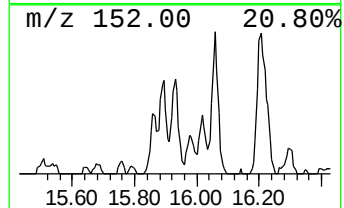
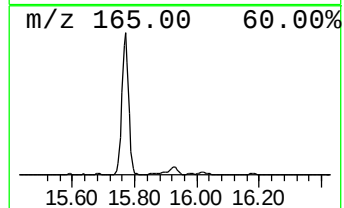
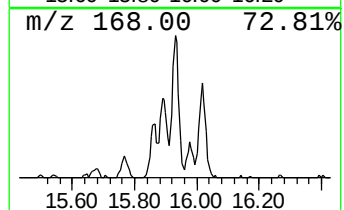
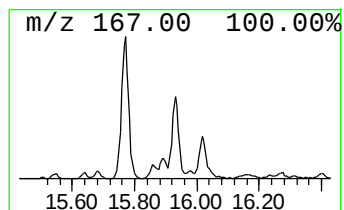
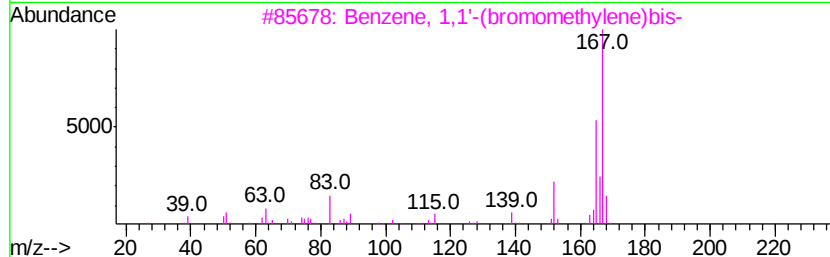
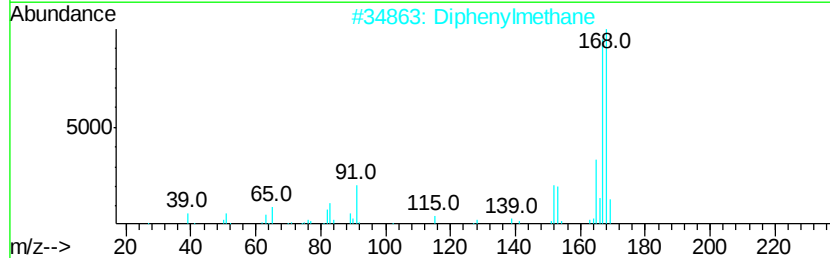
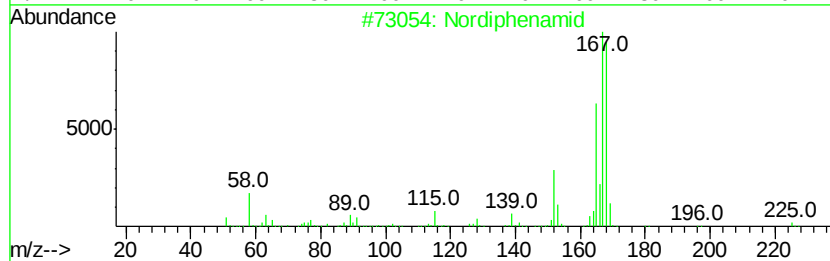
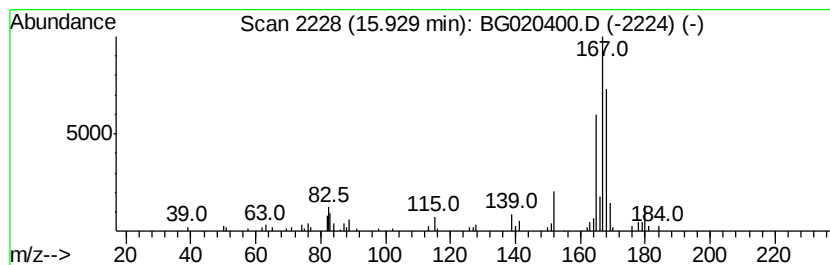
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 Nordiphenamid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	9.69 ng/ul	107532	Acenaphthene-d10	14.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nordiphenamid	225	C15H15NO	000954-21-2	80
2		Diphenylmethane	168	C13H12	000101-81-5	52
3		Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	50
4		Benzhydryl isothiocyanate	225	C14H11NS	003550-21-8	50
5		Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	47



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020400.D
Acq On : 22 Dec 2015 6:10
Operator : UM/SJ
Sample : G4848-04DL 30X
Misc :
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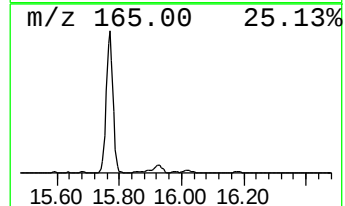
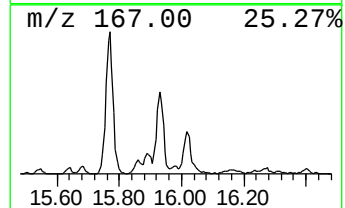
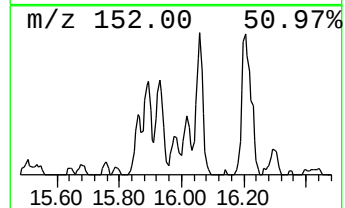
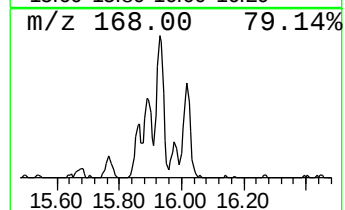
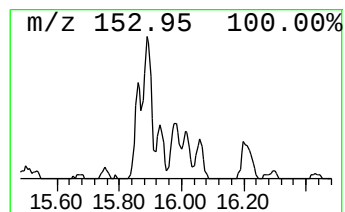
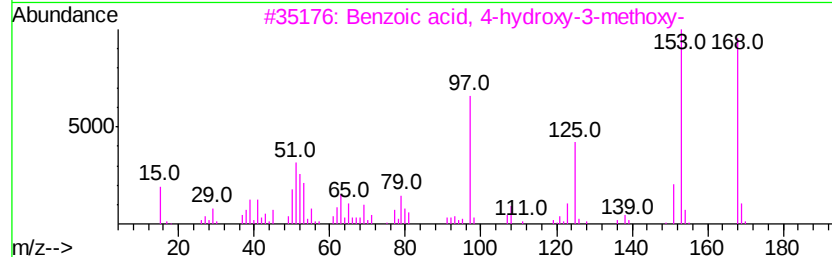
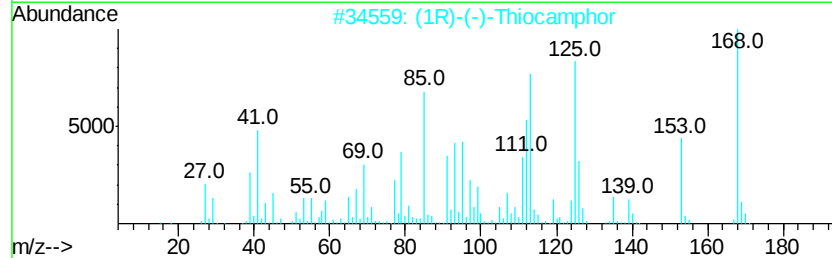
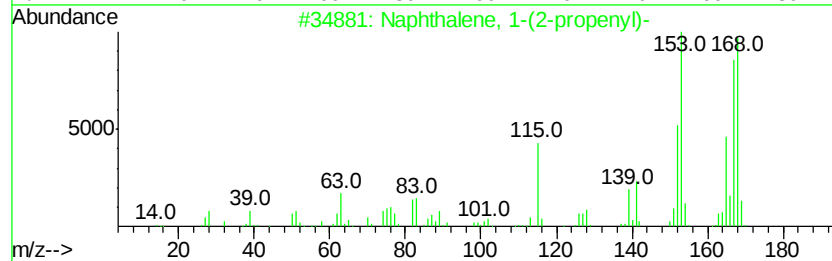
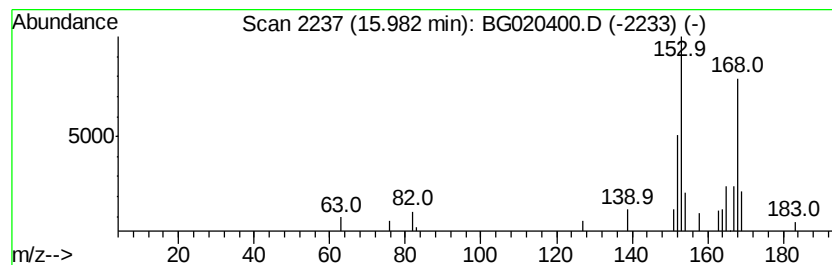
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 Naphthalene, 1-(2-propenyl)- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	2.09 ng/ul	23190	Acenaphthene-d10	14.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	72
2		(1R)-(-)-Thiocamphor	168	C10H16S	053402-10-1	53
3		Benzoic acid, 4-hydroxy-3-methoxy-	168	C8H8O4	000121-34-6	47
4		3-Hydroxy-4-methoxybenzoic acid	168	C8H8O4	000645-08-9	47
5		1-Isopropenylnaphthalene	168	C13H12	001855-47-6	46



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020400.D
Acq On : 22 Dec 2015 6:10
Operator : UM/SJ
Sample : G4848-04DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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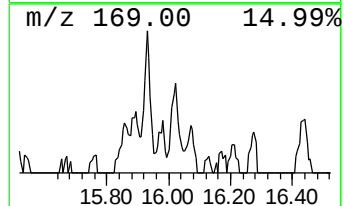
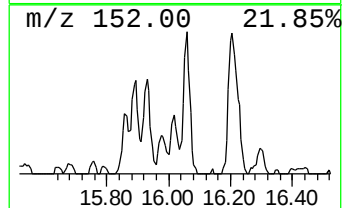
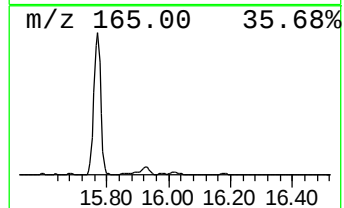
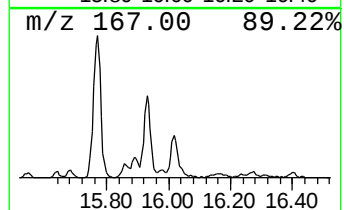
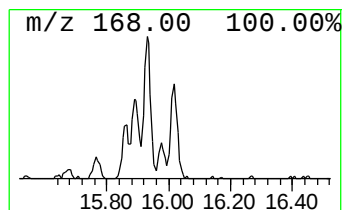
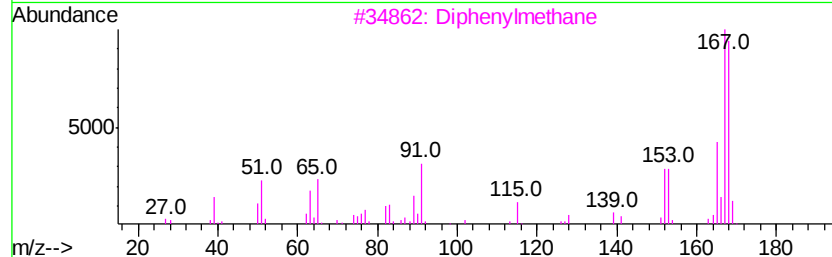
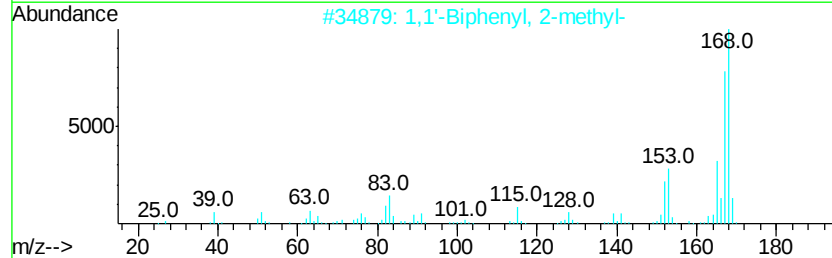
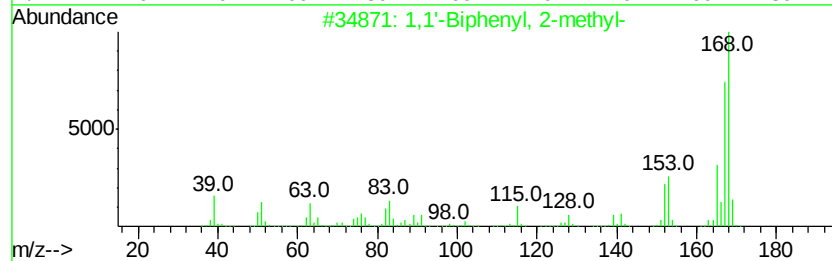
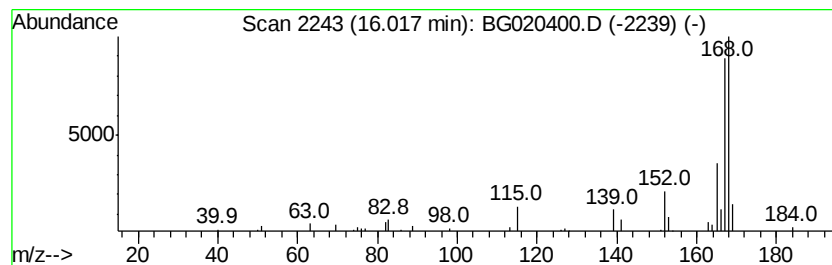
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 1,1'-Biphenyl, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	4.65 ng/ul	51639	Acenaphthene-d10	14.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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	80
4		Diphenylmethane	168	C13H12	000101-81-5	80
5		1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	80



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020400.D
Acq On : 22 Dec 2015 6:10
Operator : UM/SJ
Sample : G4848-04DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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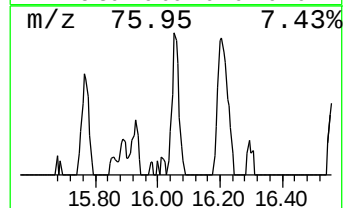
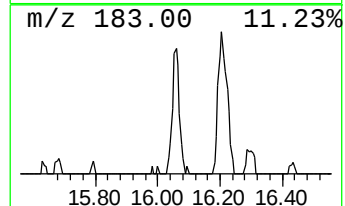
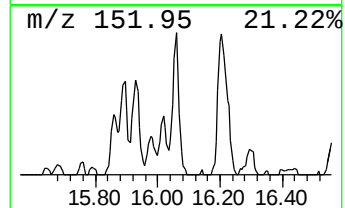
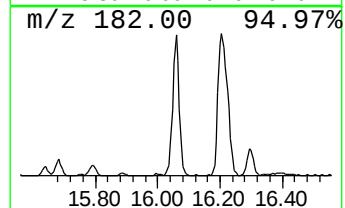
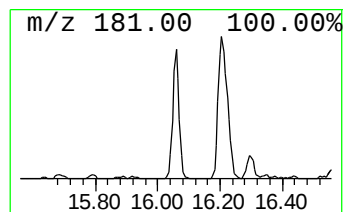
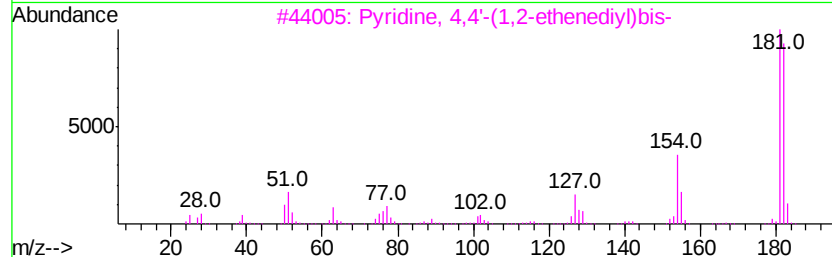
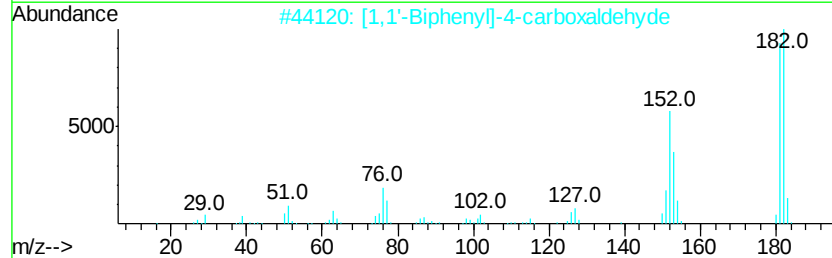
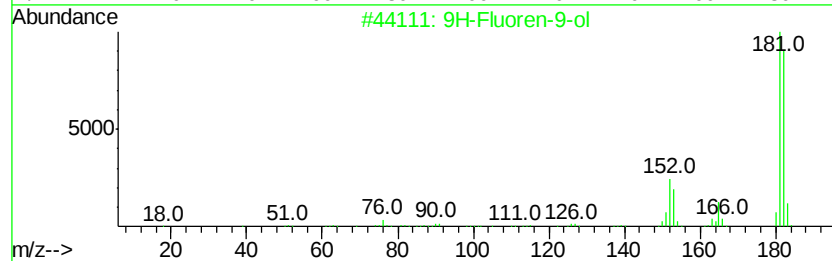
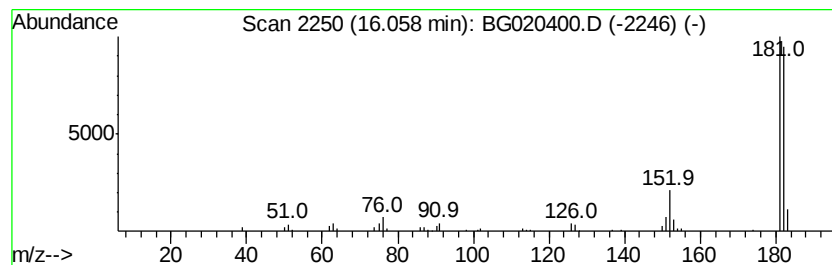
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 9H-Fluoren-9-ol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	9.93 ng/ul	110275	Acenaphthene-d10	14.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
2		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
3		Pvridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	72
4		Pvrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	72
5		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020400.D
Acq On : 22 Dec 2015 6:10
Operator : UM/SJ
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId :
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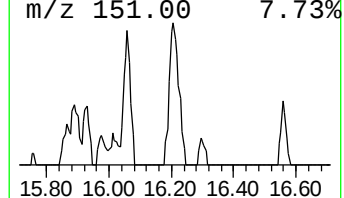
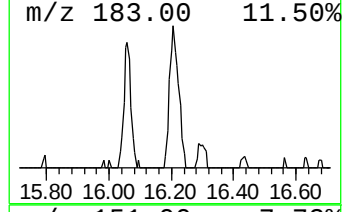
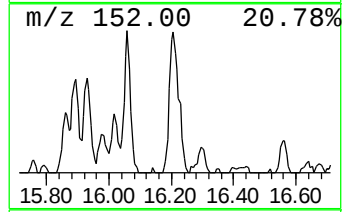
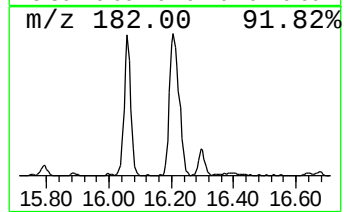
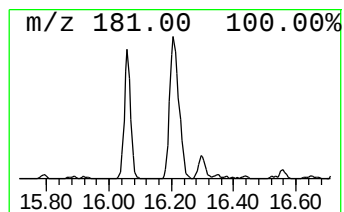
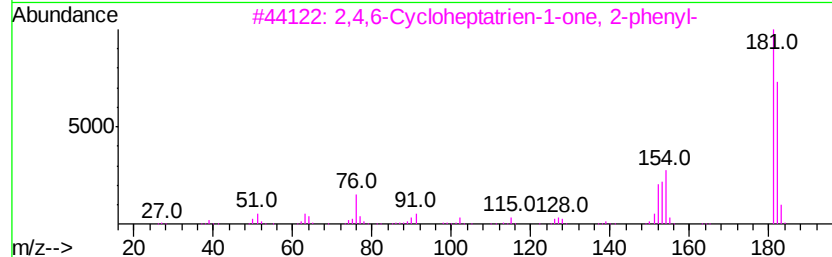
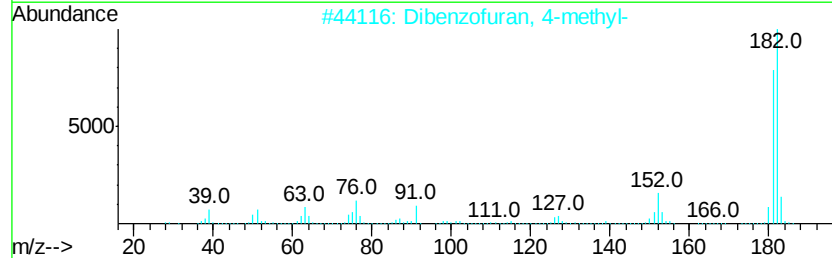
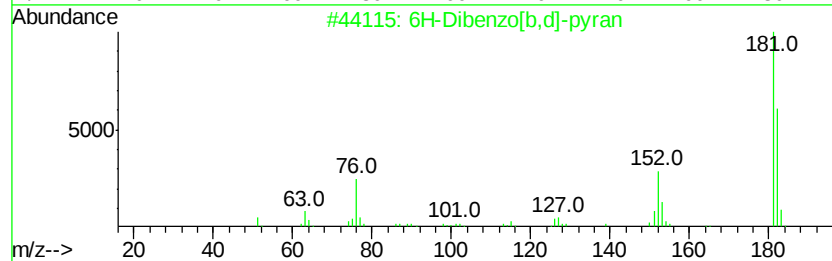
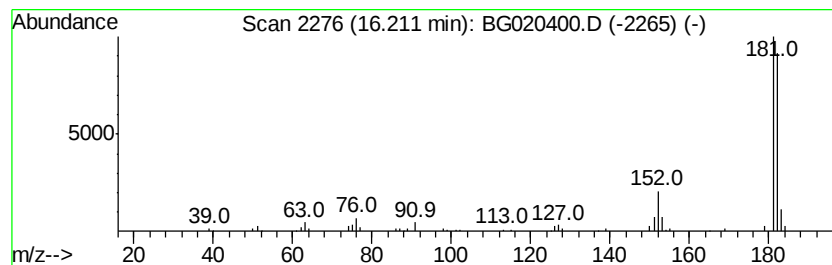
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 6H-Dibenzo[b,d]-pyran Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	10.94 ng/ul	166043	Phenanthrene-d10	17.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
2		Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
3		2,4,6-Cycloheptatrien-1-one, 2-phenyl-	182	C13H10O	014562-09-5	90
4		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
5		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020400.D
Acq On : 22 Dec 2015 6:10
Operator : UM/SJ
Sample : G4848-04DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N50DL

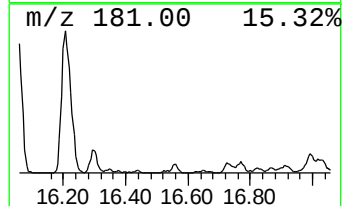
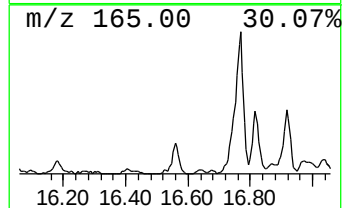
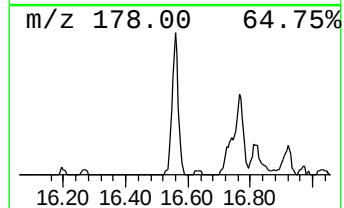
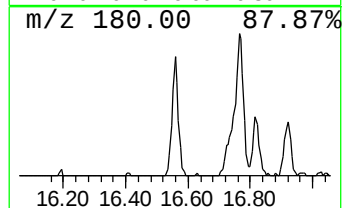
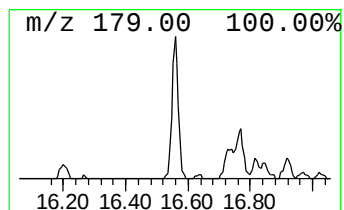
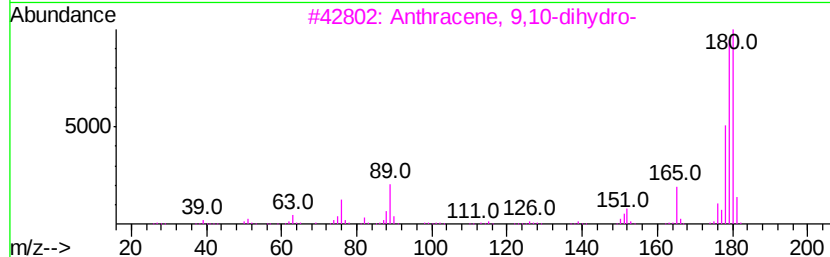
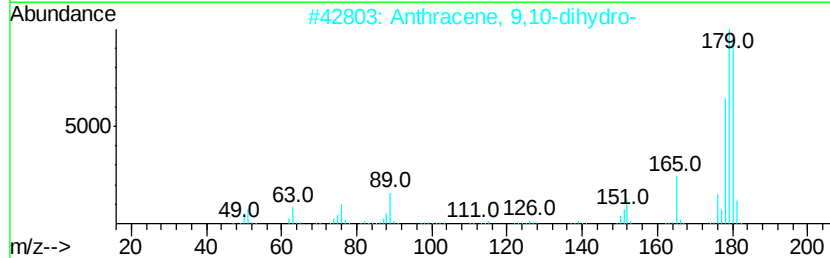
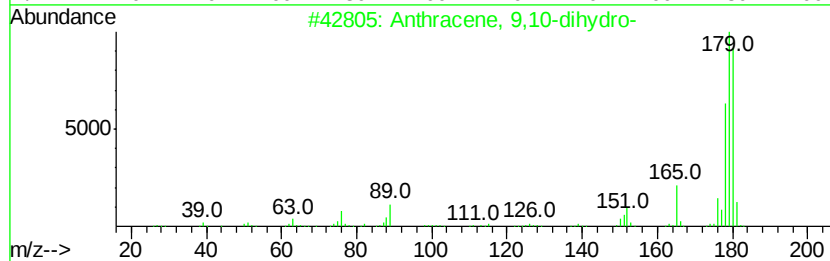
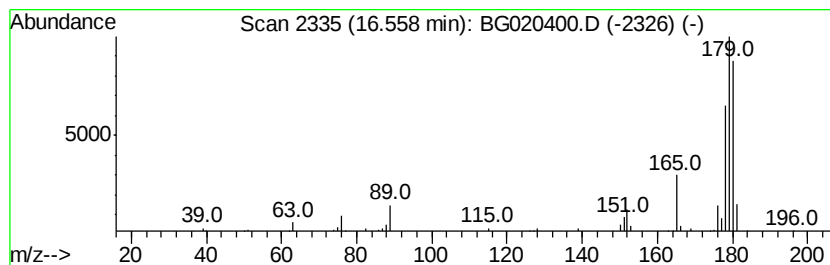
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 Anthracene, 9,10-dihydro- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	4.11 ng/ul	62337	Phenanthrene-d10	17.47

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
2			Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
3			Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	95
4			Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	94
5			1,2-Diphenylethylene	180	C14H12	000588-59-0	92



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020400.D
Acq On : 22 Dec 2015 6:10
Operator : UM/SJ
Sample : G4848-04DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N50DL

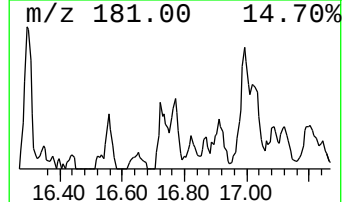
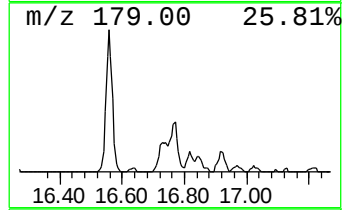
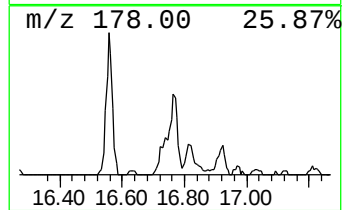
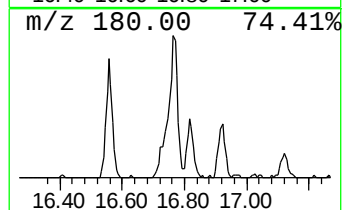
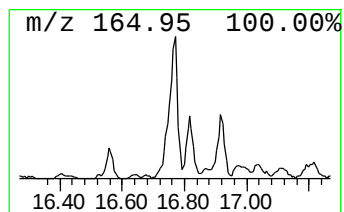
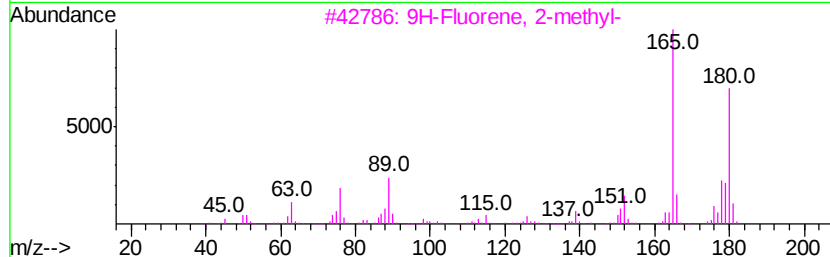
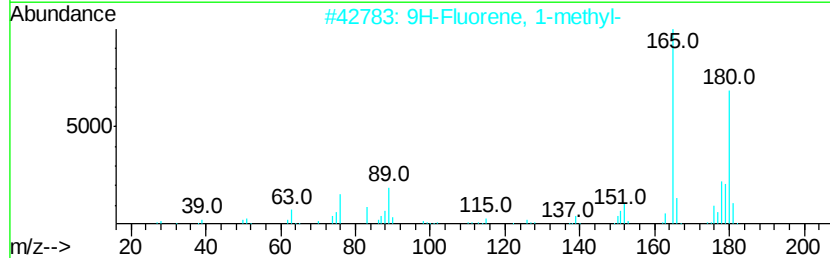
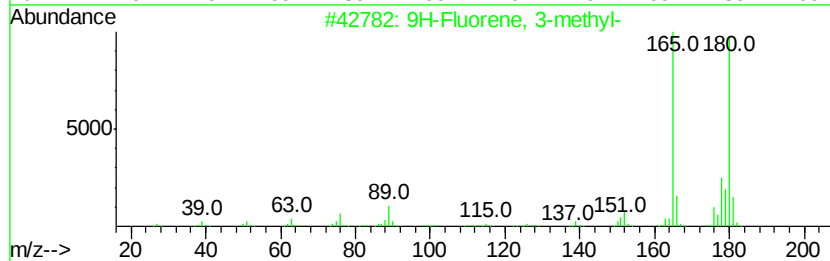
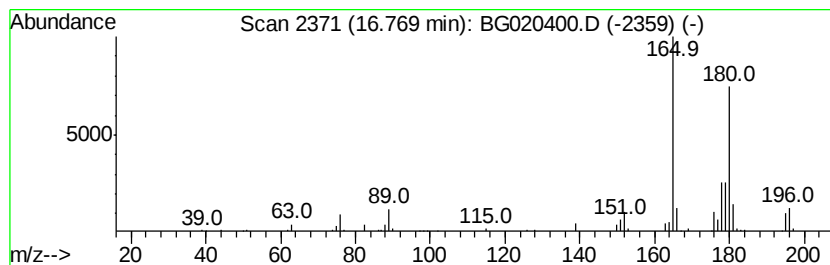
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 9H-Fluorene, 3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	8.14 ng/ul	123601	Phenanthrene-d10	17.47

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
2			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
4			4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	92
5			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020400.D
Acq On : 22 Dec 2015 6:10
Operator : UM/SJ
Sample : G4848-04DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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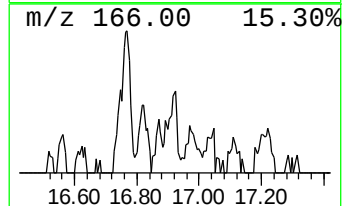
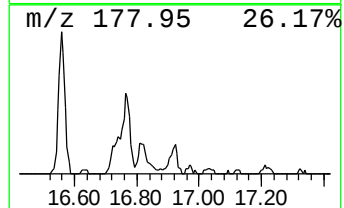
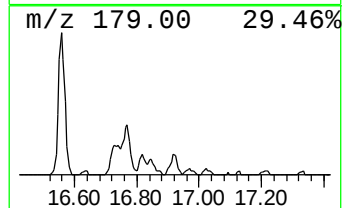
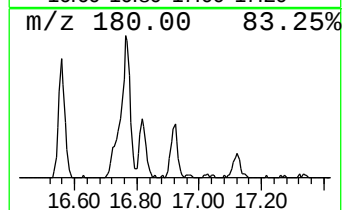
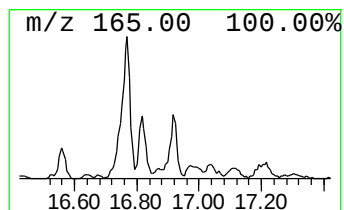
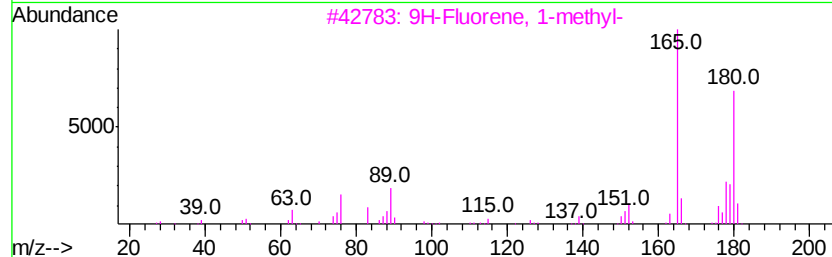
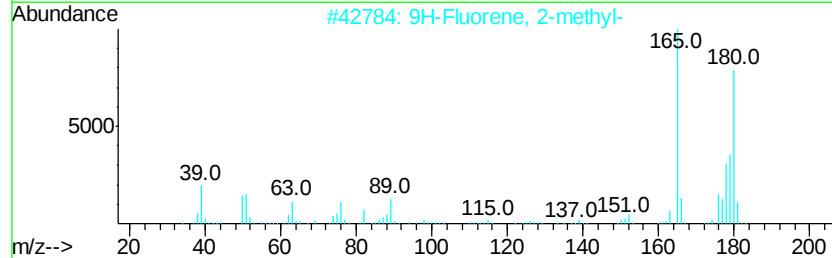
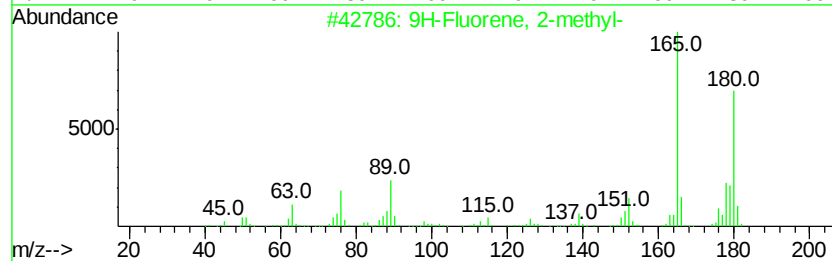
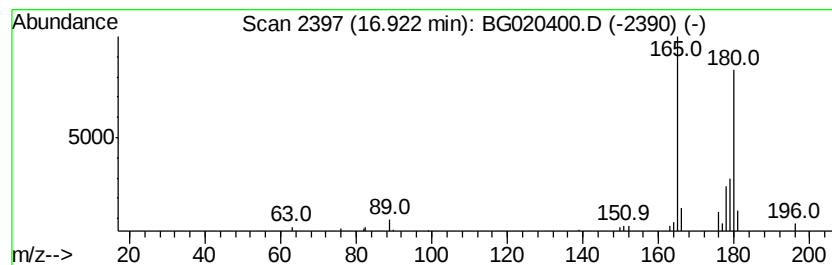
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 9H-Fluorene, 2-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.92	2.42 ng/ul	36712	Phenanthrene-d10	17.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	81
2		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	81
3		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	81
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81
5		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	81



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020400.D
Acq On : 22 Dec 2015 6:10
Operator : UM/SJ
Sample : G4848-04DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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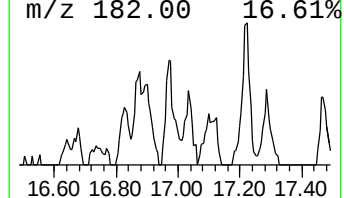
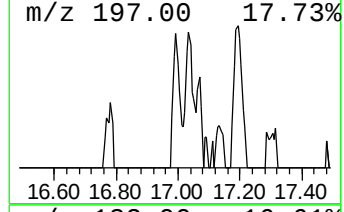
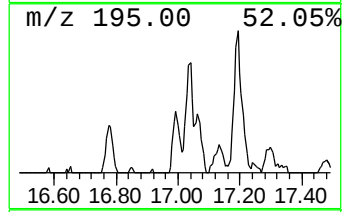
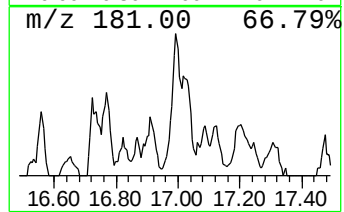
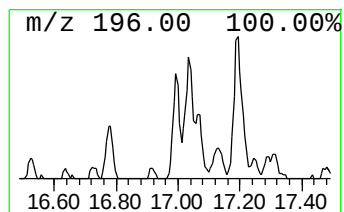
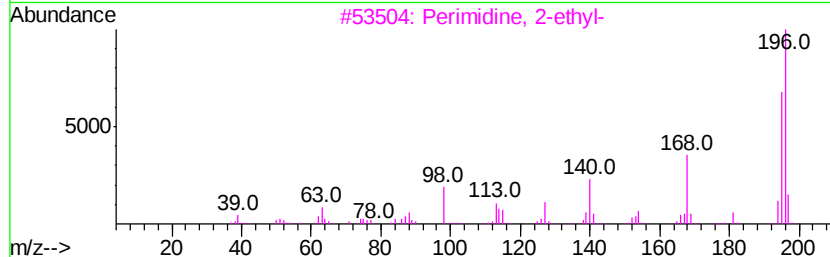
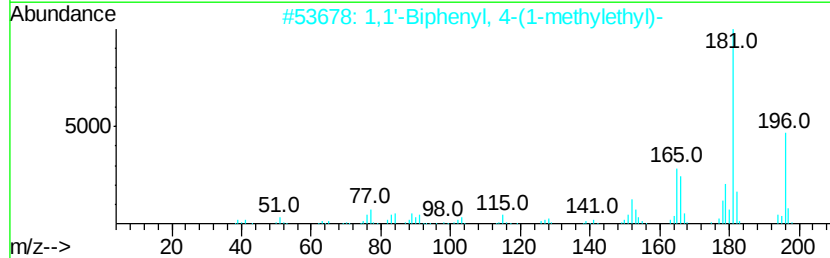
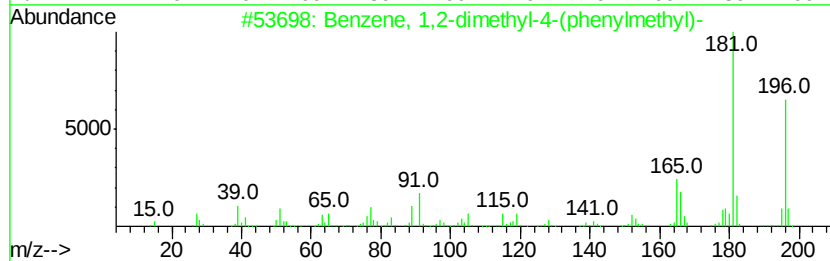
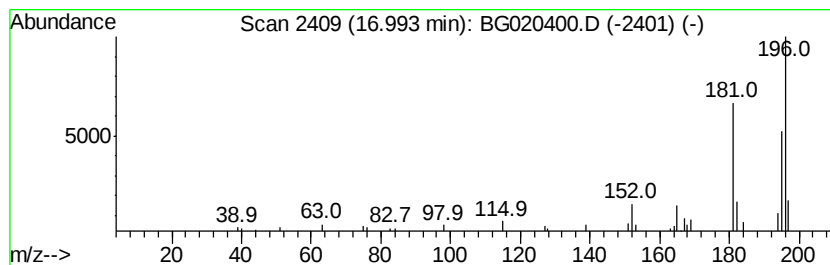
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 Benzene, 1,2-dimethyl-4-(ph... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.99	2.50 ng/ul	37947	Phenanthrene-d10	17.47

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2-dimethyl-4-(phenylm...	196	C15H16	013540-56-2	58
2			1,1'-Biphenyl, 4-(1-methylethyl)-	196	C15H16	007116-95-2	53
3			Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	52
4			9H-Fluorene, 2-methoxy-	196	C14H12O	002523-46-8	50
5			9H-Fluorene-2,7-diamine	196	C13H12N2	000525-64-4	49



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020400.D
Acq On : 22 Dec 2015 6:10
Operator : UM/SJ
Sample : G4848-04DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N50DL

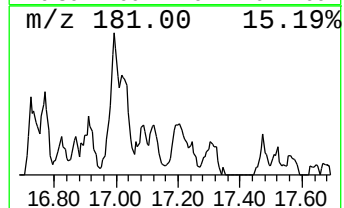
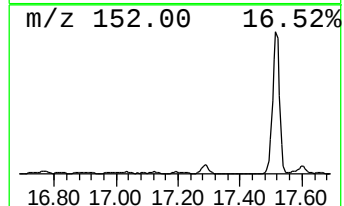
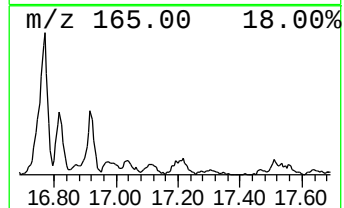
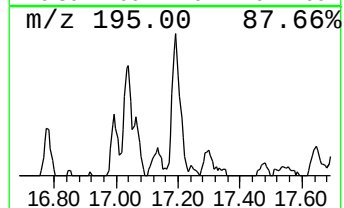
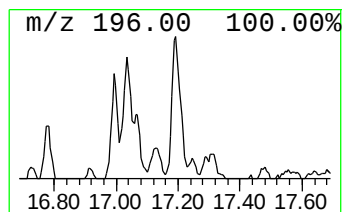
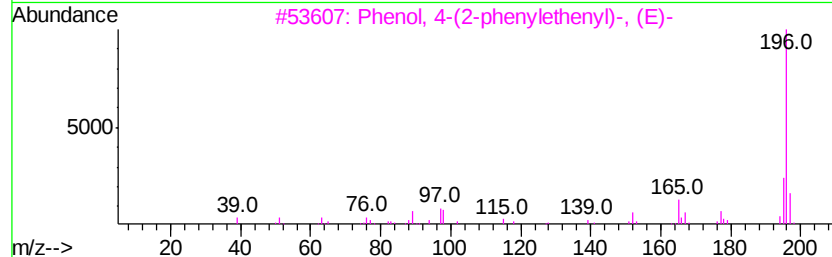
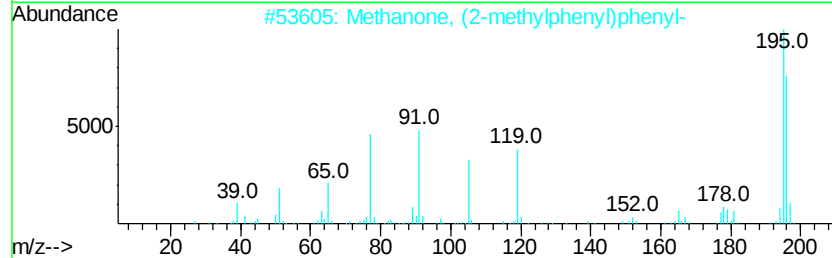
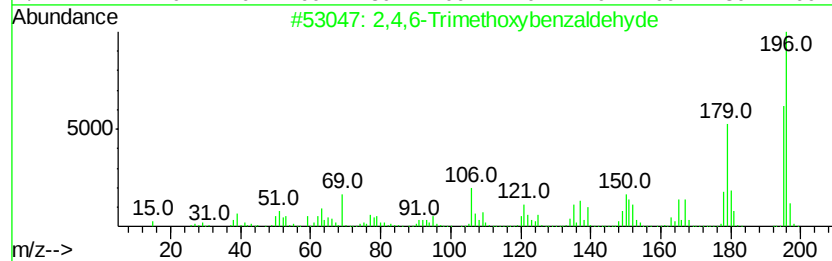
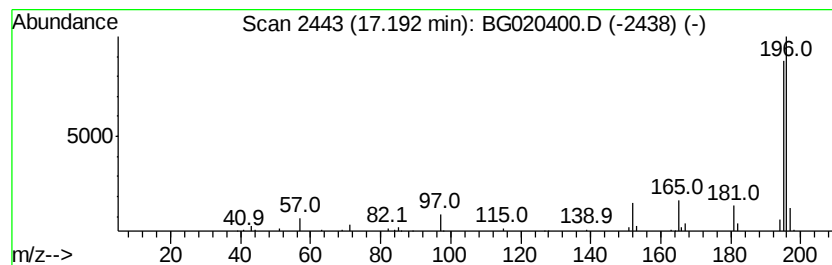
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 2,4,6-Trimethoxybenzaldehyde Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.19	4.22 ng/ul	64046	Phenanthrene-d10	17.47

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	72
2			Methanone, (2-methylphenyl)phenyl-	196	C14H12O	000131-58-8	72
3			Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	52
4			Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	50
5			Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	50



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020400.D
Acq On : 22 Dec 2015 6:10
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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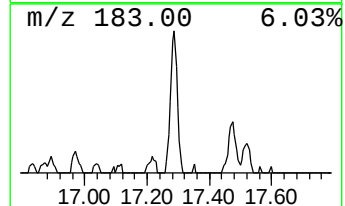
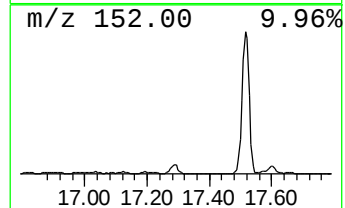
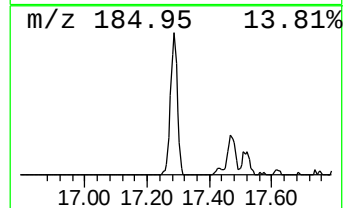
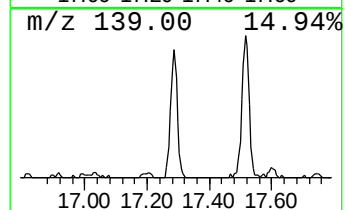
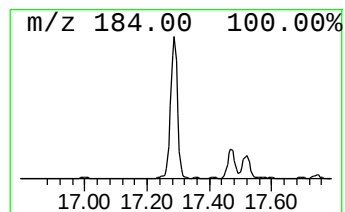
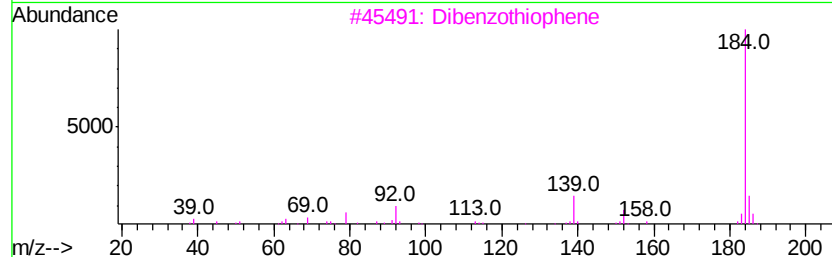
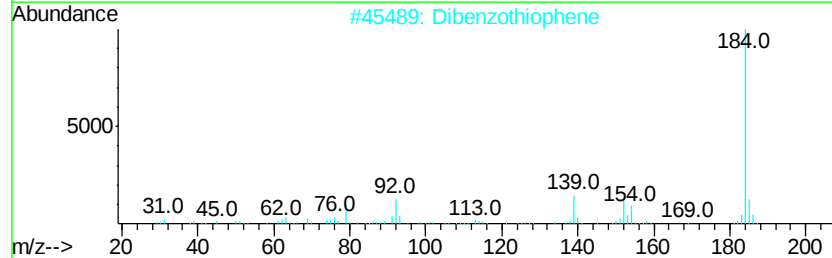
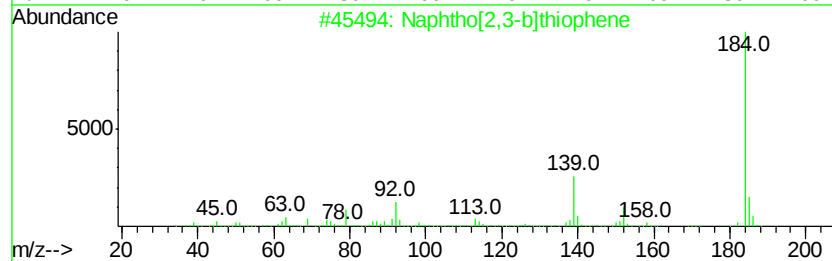
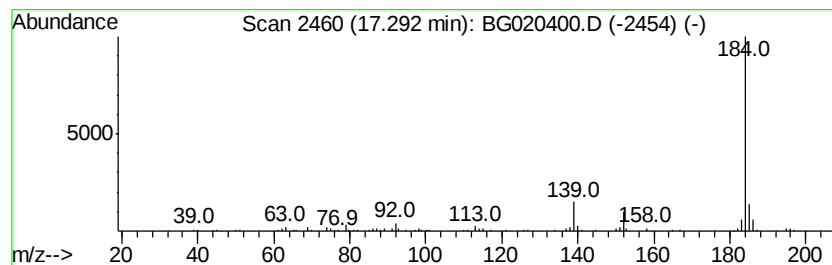
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 Naphtho[2,3-b]thiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	11.59 ng/ul	175935	Phenanthrene-d10	17.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
2		Dibenzothiophene	184	C12H8S	000132-65-0	94
3		Dibenzothiophene	184	C12H8S	000132-65-0	93
4		Dibenzothiophene	184	C12H8S	000132-65-0	93
5		Dibenzothiophene	184	C12H8S	000132-65-0	93



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020400.D
Acq On : 22 Dec 2015 6:10
Operator : UM/SJ
Sample : G4848-04DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N50DL

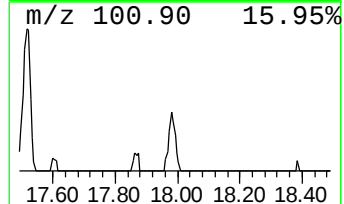
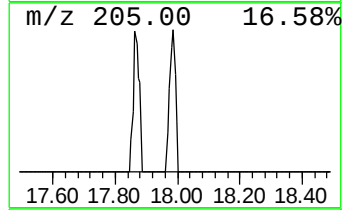
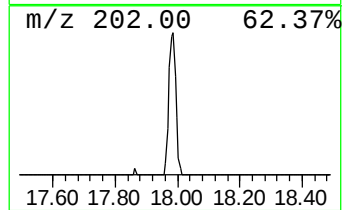
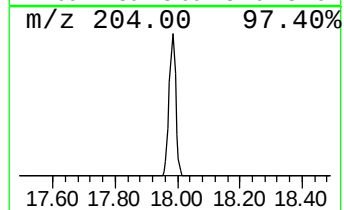
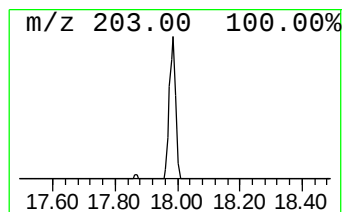
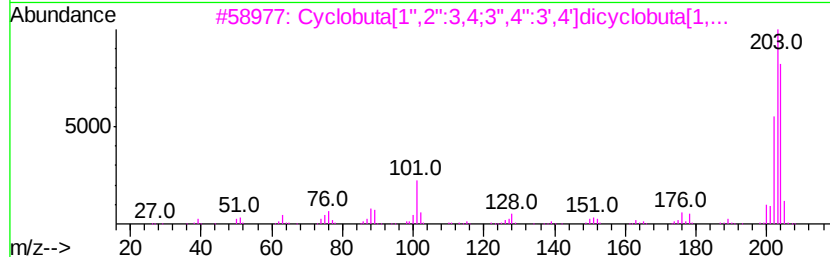
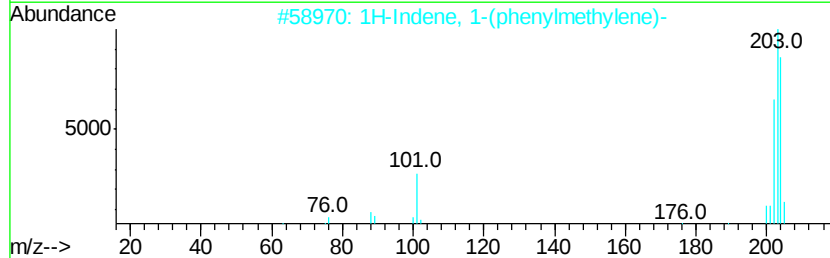
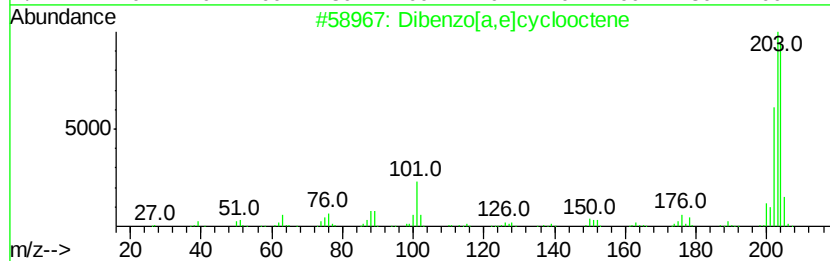
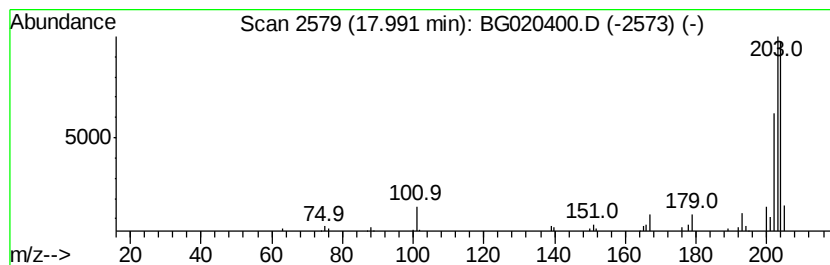
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Quant Title : SVOA CALIBRATION

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

Peak Number 26 Dibenzo[a,e]cyclooctene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	2.61 ng/ul	39608	Phenanthrene-d10	17.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	86
2		1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	70
3		Cyclobuta[1'',2'':3,4;3'',4'':3'...	204	C16H12	006574-36-3	70
4		5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	64
5		Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	62



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020400.D
Acq On : 22 Dec 2015 6:10
Operator : UM/SJ
Sample : G4848-04DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N50DL

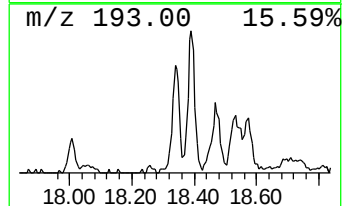
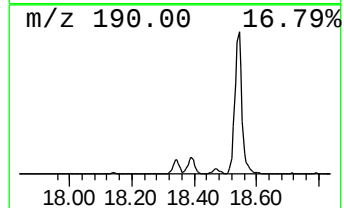
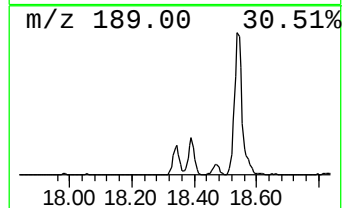
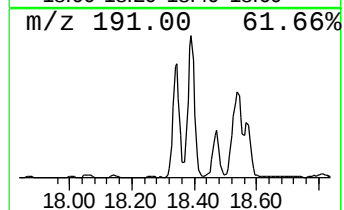
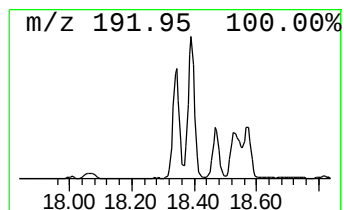
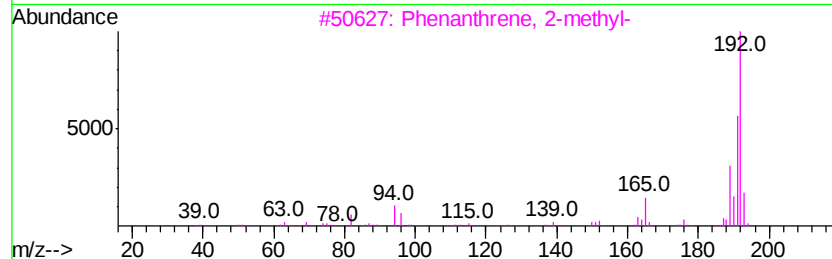
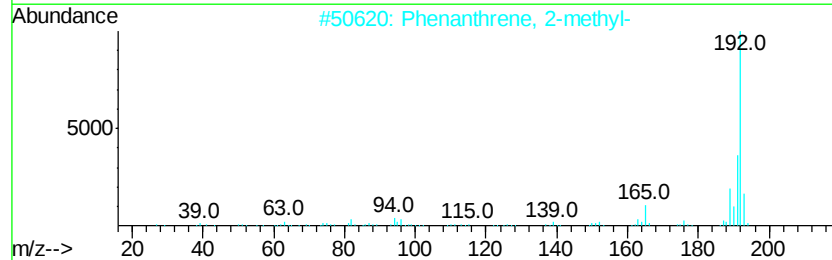
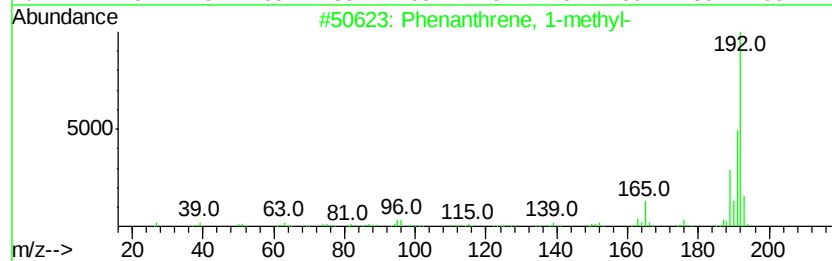
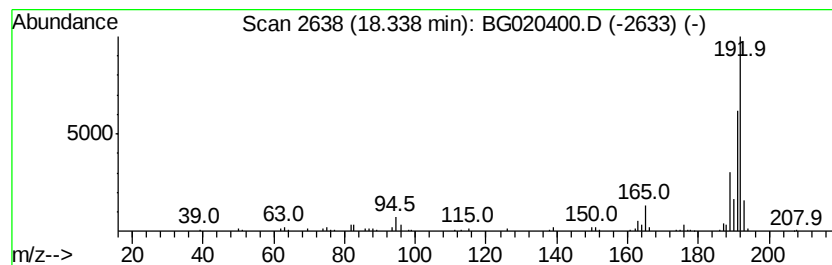
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Quant Title : SVOA CALIBRATION

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

Peak Number 27 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	9.95 ng/ul	151031	Phenanthrene-d10	17.47

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	94



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020400.D
Acq On : 22 Dec 2015 6:10
Operator : UM/SJ
Sample : G4848-04DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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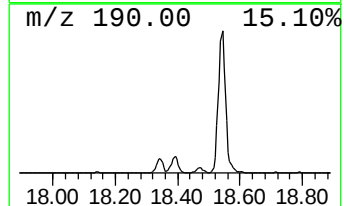
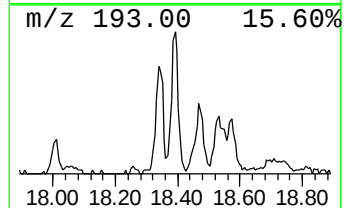
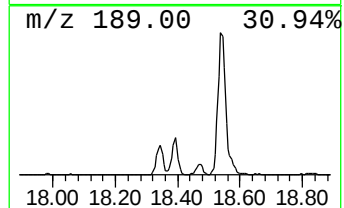
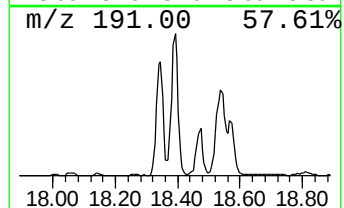
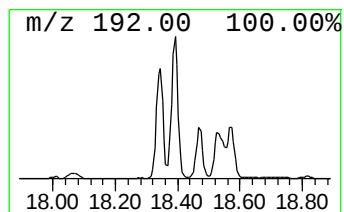
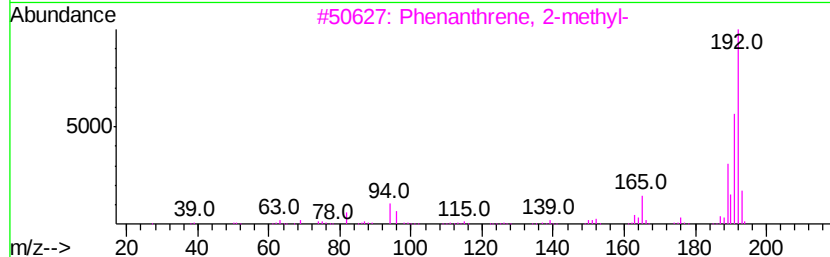
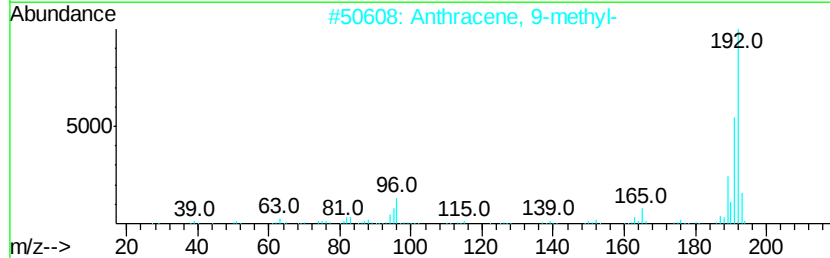
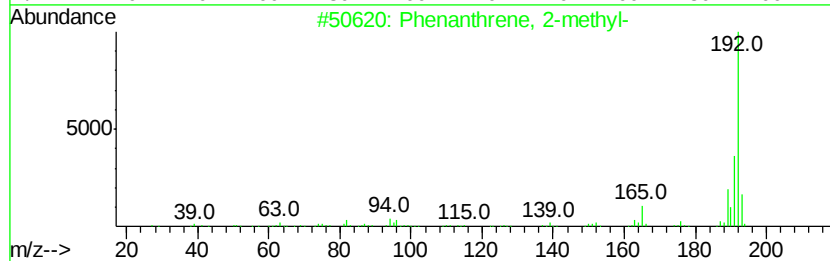
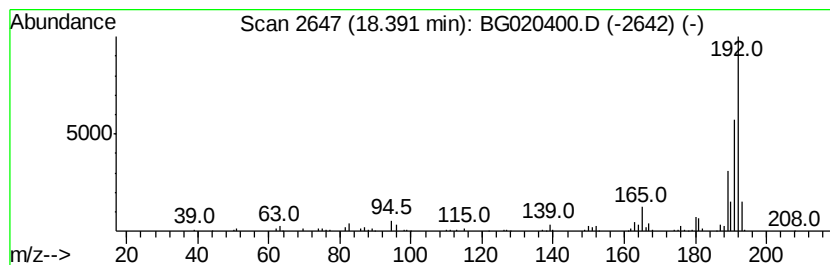
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	14.64 ng/ul	222216	Phenanthrene-d10	17.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020400.D
Acq On : 22 Dec 2015 6:10
Operator : UM/SJ
Sample : G4848-04DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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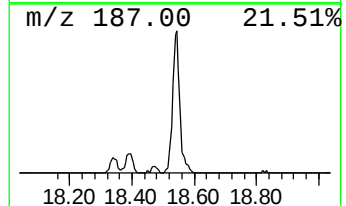
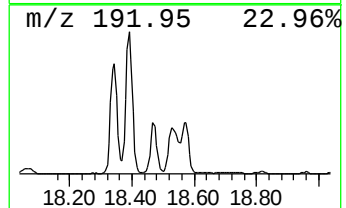
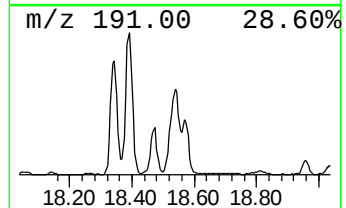
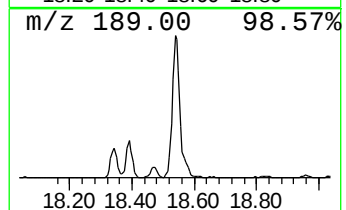
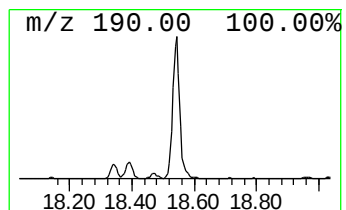
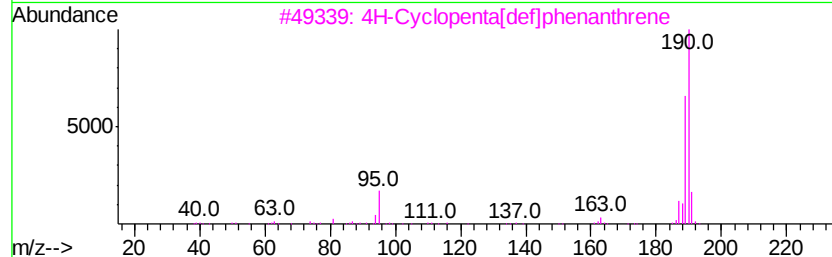
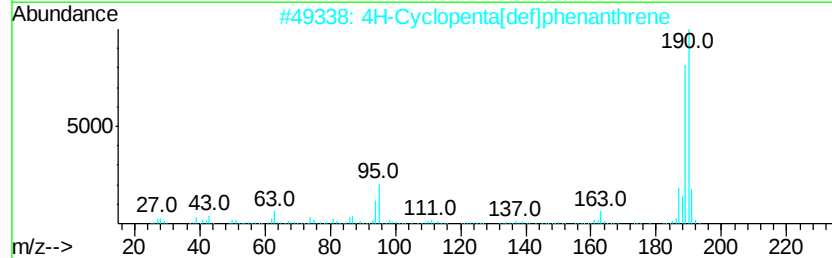
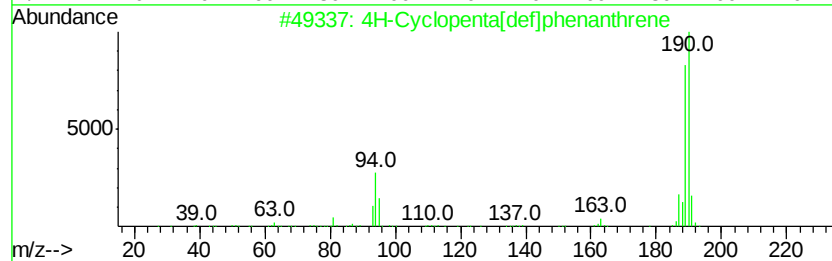
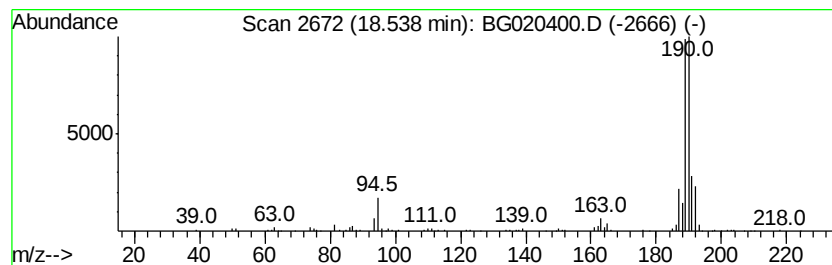
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Quant Title : SVOA CALIBRATION

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

Peak Number 30 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	23.15 ng/ul	351373	Phenanthrene-d10	17.47

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	76
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
4		6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	64
5		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020400.D
Acq On : 22 Dec 2015 6:10
Operator : UM/SJ
Sample : G4848-04DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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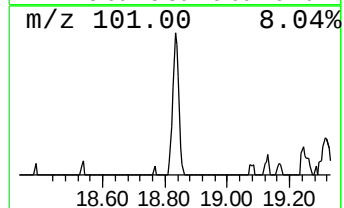
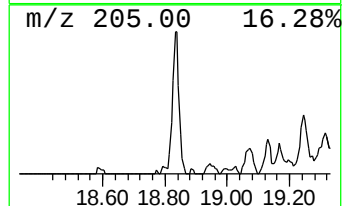
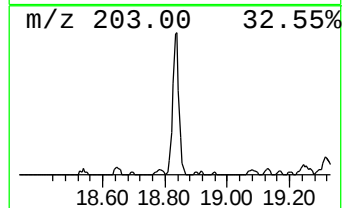
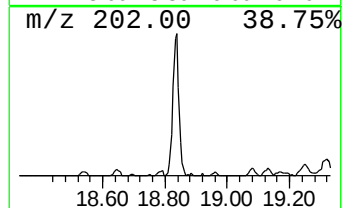
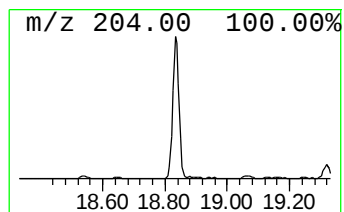
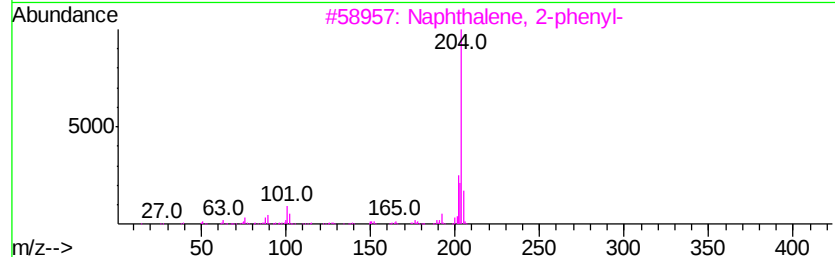
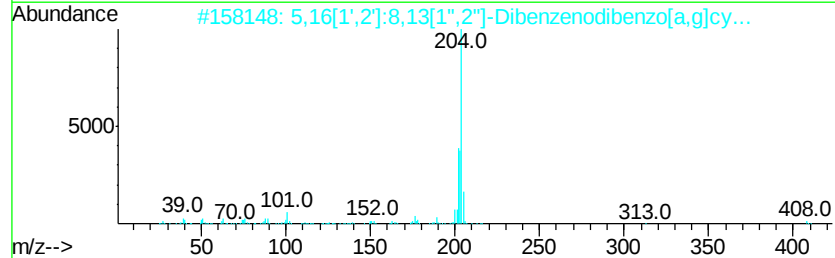
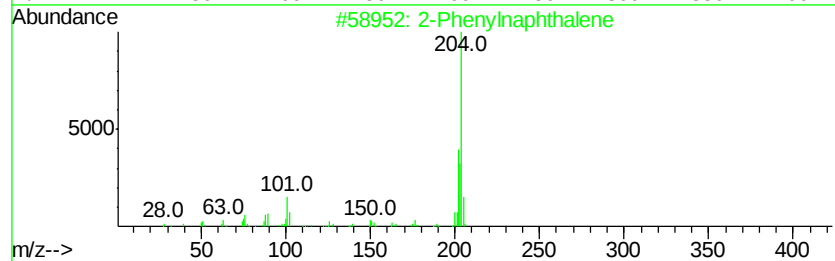
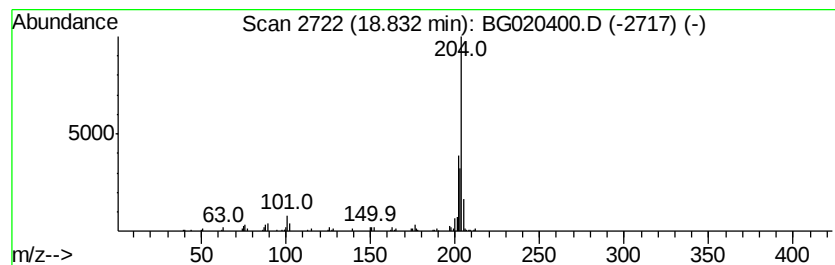
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Quant Title : SVOA CALIBRATION

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

Peak Number 31 2-Phenylnaphthalene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	8.39 ng/ul	127316	Phenanthrene-d10	17.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Phenylnaphthalene	204	C16H12	035465-71-5	94
2		5,16[1',2'] : 8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020400.D
Acq On : 22 Dec 2015 6:10
Operator : UM/SJ
Sample : G4848-04DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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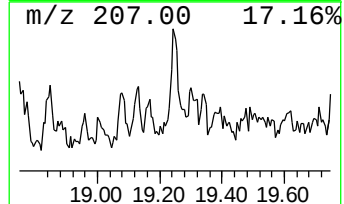
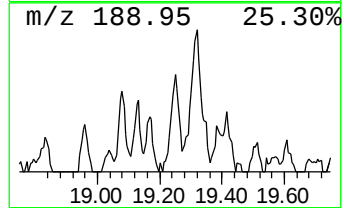
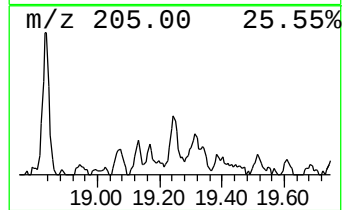
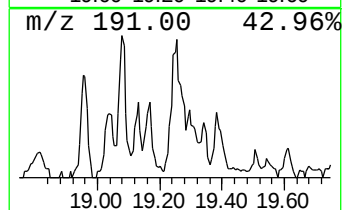
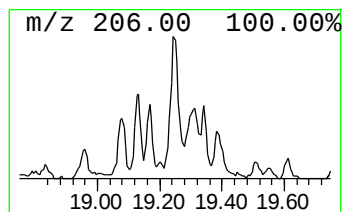
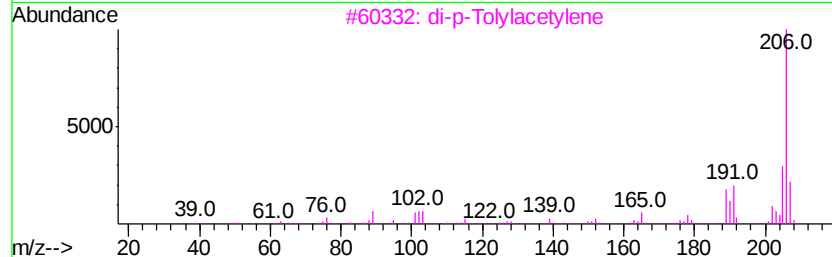
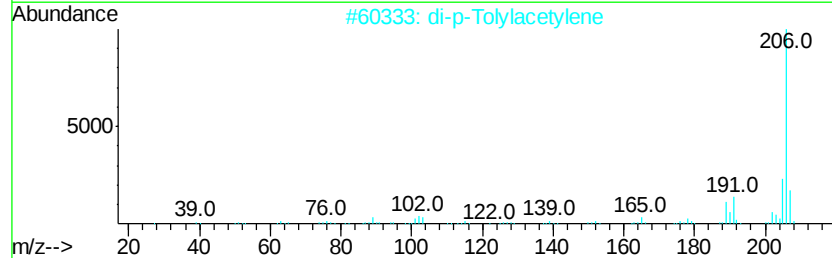
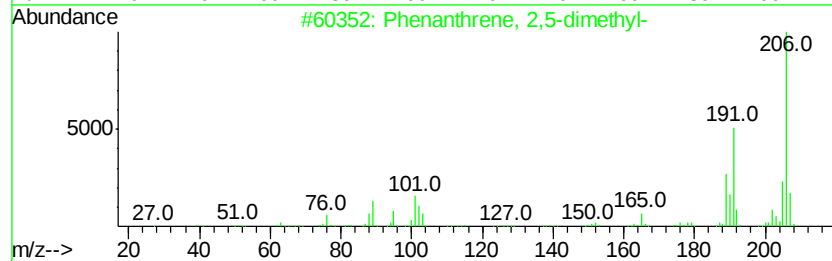
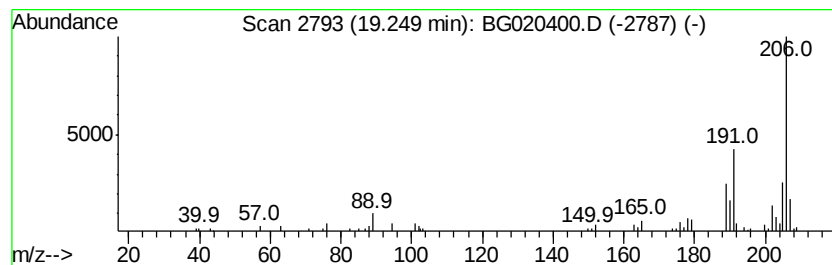
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Quant Title : SVOA CALIBRATION

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

Peak Number 32 Phenanthrene, 2,5-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.25	3.46 ng/ul	52572	Phenanthrene-d10	17.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	90
3		di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4		Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87



Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020400.D
Acq On : 22 Dec 2015 6:10
Operator : UM/SJ
Sample : G4848-04DL 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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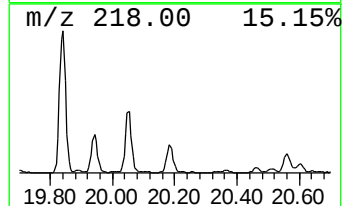
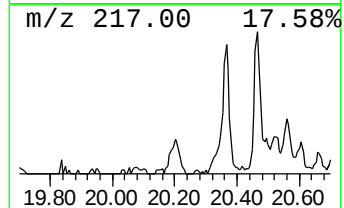
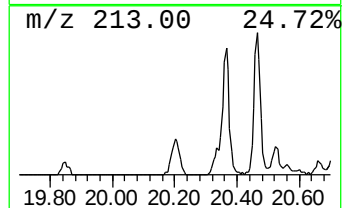
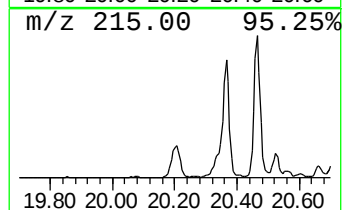
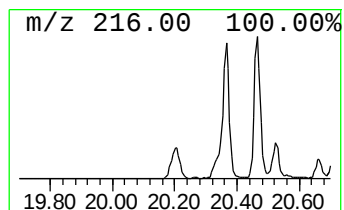
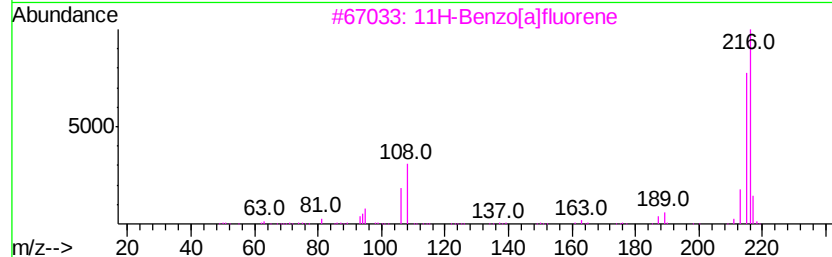
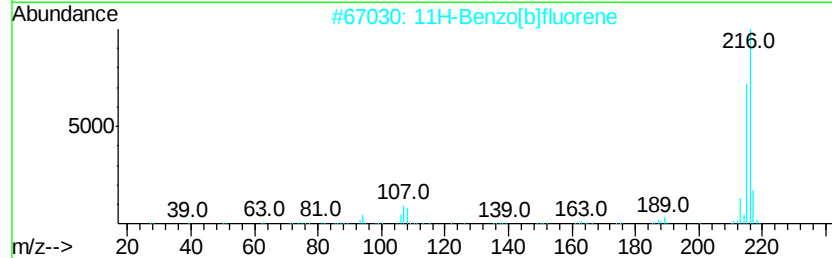
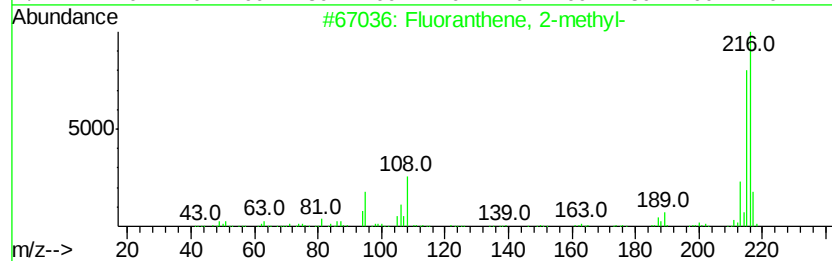
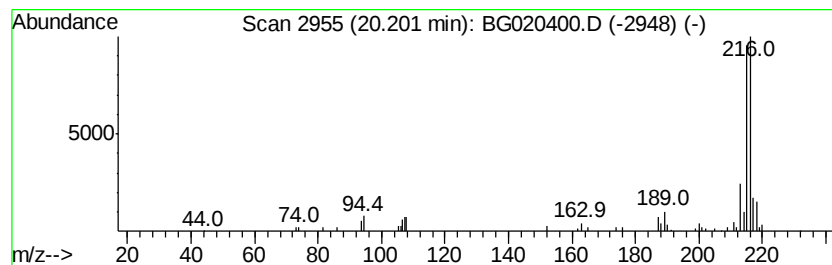
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

Peak Number 33 Fluoranthene, 2-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.20	2.41 ng/ul	85737	Chrysene-d12	21.75

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122115\
 Data File : BG020400.D
 Acq On : 22 Dec 2015 6:10
 Operator : UM/SJ
 Sample : G4848-04DL 30X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N50DL

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	8.1	ng/ul	38714	1	8.09	96126	20.0
2-Benzothiophene #	11.08	3.8	ng/ul	29212	2	10.91	154628	20.0
Quinoline	11.73	2.3	ng/ul	17545	2	10.91	154628	20.0
Naphthalene, 1-et...	13.75	5.1	ng/ul	56858	3	14.72	222035	20.0
Naphthalene, 1,6-...	13.88	5.4	ng/ul	60011	3	14.72	222035	20.0
Naphthalene, 1,7-...	14.04	10.2	ng/ul	112874	3	14.72	222035	20.0
Naphthalene, 2,6-...	14.10	6.6	ng/ul	72854	3	14.72	222035	20.0
Naphthalene, 2,7-...	14.28	3.2	ng/ul	35925	3	14.72	222035	20.0
2-Naphthalenecarb...	14.85	3.3	ng/ul	37029	3	14.72	222035	20.0
Naphthalene, 2-(1...	14.92	2.0	ng/ul	22338	3	14.72	222035	20.0
Benzene, [1-(2,4-...	15.03	3.5	ng/ul	39462	3	14.72	222035	20.0
1-Isopropenylnaph...	15.86	2.9	ng/ul	31649	3	14.72	222035	20.0
Nordiphenamid	15.93	9.7	ng/ul	107532	3	14.72	222035	20.0
Naphthalene, 1-(2...	15.98	2.1	ng/ul	23190	3	14.72	222035	20.0
1,1'-Biphenyl, 2-...	16.02	4.7	ng/ul	51639	3	14.72	222035	20.0
9H-Fluoren-9-ol	16.06	9.9	ng/ul	110275	3	14.72	222035	20.0
6H-Dibenzo[b,d]-p...	16.21	10.9	ng/ul	166043	4	17.47	303589	20.0
Anthracene, 9,10-...	16.56	4.1	ng/ul	62337	4	17.47	303589	20.0
9H-Fluorene, 3-me...	16.77	8.1	ng/ul	123601	4	17.47	303589	20.0
9H-Fluorene, 2-me...	16.92	2.4	ng/ul	36712	4	17.47	303589	20.0
Benzene, 1,2-dime...	16.99	2.5	ng/ul	37947	4	17.47	303589	20.0
2,4,6-Trimethoxyb...	17.19	4.2	ng/ul	64046	4	17.47	303589	20.0
Naphtho[2,3-b]thi...	17.29	11.6	ng/ul	175935	4	17.47	303589	20.0
Dibenzo[a,e]cyclo...	17.99	2.6	ng/ul	39608	4	17.47	303589	20.0
Phenanthrene, 1-m...	18.34	9.9	ng/ul	151031	4	17.47	303589	20.0
Phenanthrene, 2-m...	18.39	14.6	ng/ul	222216	4	17.47	303589	20.0
4H-Cyclopenta[def...	18.54	23.1	ng/ul	351373	4	17.47	303589	20.0
2-Phenylnaphthalene	18.83	8.4	ng/ul	127316	4	17.47	303589	20.0
Phenanthrene, 2,5...	19.25	3.5	ng/ul	52572	4	17.47	303589	20.0
Fluoranthene, 2-m...	20.20	2.4	ng/ul	85737	5	21.75	711969	20.0