

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
 Data File : BM012124.D
 Acq On : 13 Oct 2017 06:28
 Operator : SJ/JU
 Sample : I5533-09
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-54(1-2)-092817

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 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_M\METHODS\SOM-EPA-BM101217.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	7.845	803	809	823	rVB	1683427	2794736	1.42%	0.131%
2	10.657	1280	1287	1290	rBV	2073483	3589438	1.83%	0.168%
3	10.710	1290	1296	1305	rVB	9736659	16061895	8.18%	0.751%
4	12.322	1563	1570	1576	rBV	7420728	11248251	5.73%	0.526%
5	12.539	1598	1607	1616	rVB	4868552	7841328	3.99%	0.367%
6	13.327	1728	1741	1753	rBV	2384258	4009018	2.04%	0.187%
7	13.527	1770	1775	1787	rVB	1284442	2532547	1.29%	0.118%
8	13.663	1789	1798	1799	rBV	2502668	3625908	1.85%	0.169%
9	13.821	1818	1825	1830	rBV	4265911	7756663	3.95%	0.363%
10	13.874	1830	1834	1837	rVV	3075648	4558390	2.32%	0.213%
11	14.057	1859	1865	1869	rBV	2144230	3504896	1.78%	0.164%
12	14.198	1882	1889	1891	rBV	2001872	3248778	1.65%	0.152%
13	14.227	1891	1894	1903	rVB	2543084	3723180	1.90%	0.174%
14	14.468	1930	1935	1938	rBV	1651019	2570777	1.31%	0.120%
15	14.504	1938	1941	1946	rVB2	2463833	3641755	1.85%	0.170%
16	14.574	1946	1953	1959	rVB	19418343	27458987	13.98%	1.283%
17	14.810	1986	1993	1997	rBV2	1743977	2749269	1.40%	0.129%
18	14.910	2002	2010	2017	rVV	15022806	23807546	12.12%	1.113%
19	14.974	2017	2021	2028	rVB	1742649	2555437	1.30%	0.119%
20	15.115	2039	2045	2050	rBV	1539504	2698400	1.37%	0.126%
21	15.286	2067	2074	2077	rBV	1327549	2618102	1.33%	0.122%
22	15.498	2107	2110	2114	rVV	2004144	2615387	1.33%	0.122%
23	15.563	2114	2121	2129	rVB	25208179	38831285	19.77%	1.815%
24	15.651	2130	2136	2138	rBV	1561019	2511133	1.28%	0.117%
25	15.680	2138	2141	2143	rVV	2449257	3249681	1.65%	0.152%
26	15.715	2143	2147	2151	rVV2	3314617	5098361	2.60%	0.238%
27	15.804	2158	2162	2165	rVV	1608050	2794778	1.42%	0.131%
28	15.845	2165	2169	2177	rVB	5416833	8019767	4.08%	0.375%
29	15.992	2189	2194	2202	rVV	5687359	11126457	5.67%	0.520%
30	16.086	2202	2210	2215	rVB3	1412270	2911266	1.48%	0.136%
31	16.557	2278	2290	2295	rBV2	5414603	11439504	5.82%	0.535%
32	16.609	2295	2299	2304	rVB	2372407	3360952	1.71%	0.157%
33	16.704	2312	2315	2320	rVB2	2440101	3301573	1.68%	0.154%
34	16.780	2325	2328	2332	rVV2	1853235	2918344	1.49%	0.136%

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35	16.821	2332	2335	2339	rVB2	1867457	2500664	1.27%	0.117%
36	16.921	2346	2352	2357	rVB2	2263387	3932679	2.00%	0.184%
37	16.986	2357	2363	2370	rVV4	3282102	8113970	4.13%	0.379%
38	17.074	2373	2378	2388	rVB	10082589	16002660	8.15%	0.748%
39	17.345	2405	2424	2427	rBV3	62364750	196397597	100.00%	9.180%
40	17.380	2427	2430	2431	rVV2	4257747	5405945	2.75%	0.253%
41	17.415	2431	2436	2440	rVV2	39093993	62817892	31.99%	2.936%
42	17.456	2440	2443	2448	rVV	3601594	5122693	2.61%	0.239%
43	17.674	2470	2480	2486	rBV2	12321564	23095682	11.76%	1.080%
44	17.768	2492	2496	2499	rBV2	2842103	3538424	1.80%	0.165%
45	17.839	2503	2508	2516	rVV4	2100172	4830712	2.46%	0.226%
46	17.974	2527	2531	2541	rVB	1593380	3425271	1.74%	0.160%
47	18.139	2553	2559	2563	rBV	17446165	26561011	13.52%	1.241%
48	18.192	2563	2568	2573	rVB	26260164	35735093	18.20%	1.670%
49	18.274	2575	2582	2586	rBV	10308996	15246786	7.76%	0.713%
50	18.345	2586	2594	2597	rBV2	27539640	52535607	26.75%	2.456%
51	18.374	2597	2599	2603	rVB	12845914	12639463	6.44%	0.591%
52	18.433	2603	2609	2614	rVB3	1531616	2613831	1.33%	0.122%
53	18.633	2637	2643	2648	rVB	14130105	18986747	9.67%	0.887%
54	18.703	2649	2655	2659	rVB	4900503	7813272	3.98%	0.365%
55	18.874	2680	2684	2689	rVB	4126130	5520195	2.81%	0.258%
56	18.927	2689	2693	2696	rBV	3770076	4522949	2.30%	0.211%
57	18.968	2696	2700	2706	rVB2	3171895	4353585	2.22%	0.203%
58	19.051	2708	2714	2719	rBV	9769603	16934417	8.62%	0.792%
59	19.121	2723	2726	2729	rVB2	2142363	2668272	1.36%	0.125%
60	19.198	2735	2739	2740	rBV3	1931535	2594997	1.32%	0.121%
61	19.362	2755	2767	2771	rBV3	60979253	190396020	96.94%	8.899%
62	19.421	2773	2777	2783	rVB3	3442324	6969836	3.55%	0.326%
63	19.568	2797	2802	2806	rBV2	6713342	9620880	4.90%	0.450%
64	19.698	2815	2824	2826	rBV3	58862579	126194402	64.25%	5.898%
65	19.756	2832	2834	2841	rVB	9918691	11937934	6.08%	0.558%
66	19.868	2848	2853	2857	rVB	9902307	13327212	6.79%	0.623%
67	19.939	2861	2865	2870	rVB	7674783	11352667	5.78%	0.531%
68	20.021	2870	2879	2883	rBV3	11384480	26428367	13.46%	1.235%
69	20.068	2883	2887	2894	rBV	3077800	5187924	2.64%	0.242%
70	20.156	2895	2902	2903	rBV2	8904525	16653224	8.48%	0.778%
71	20.192	2904	2908	2912	rVB	27623951	36583802	18.63%	1.710%

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72	20.286	2919	2924	2928	rBV	24460195	35090339	17.87%	1.640%
73	20.345	2928	2934	2937	rVV2	14119851	26308661	13.40%	1.230%
74	20.374	2937	2939	2943	rVV	3888306	4486153	2.28%	0.210%
75	20.415	2943	2946	2951	rVB2	3323667	4632875	2.36%	0.217%
76	20.480	2954	2957	2961	rVV	7983415	10702080	5.45%	0.500%
77	20.527	2962	2965	2975	rVB	10705377	16697550	8.50%	0.780%
78	20.609	2976	2979	2982	rBV3	2476032	3739385	1.90%	0.175%
79	20.768	3002	3006	3008	rBV3	4226347	5876066	2.99%	0.275%
80	20.803	3008	3012	3016	rVB2	5394289	7842872	3.99%	0.367%
81	20.886	3022	3026	3030	rBV3	4098462	7575084	3.86%	0.354%
82	20.933	3030	3034	3039	rVB	6979025	11107451	5.66%	0.519%
83	21.097	3058	3062	3064	rBV	12614668	16745386	8.53%	0.783%
84	21.127	3064	3067	3072	rVB	16093507	23297300	11.86%	1.089%
85	21.180	3072	3076	3080	rBV2	16230744	24452417	12.45%	1.143%
86	21.239	3083	3086	3094	rVB	7313513	11186599	5.70%	0.523%
87	21.456	3114	3123	3127	rBV3	55033686	142808160	72.71%	6.675%
88	21.509	3127	3132	3138	rVB2	52842204	100522986	51.18%	4.699%
89	21.615	3146	3150	3156	rBV	17115653	24122974	12.28%	1.128%
90	21.721	3166	3168	3172	rVB	6172549	7301950	3.72%	0.341%
91	21.774	3173	3177	3182	rVV	13637809	18844996	9.60%	0.881%
92	22.074	3225	3228	3233	rVB	7474366	9184572	4.68%	0.429%
93	22.133	3235	3238	3242	rVV2	5137469	7018607	3.57%	0.328%
94	22.233	3251	3255	3258	rBV2	8146886	12178278	6.20%	0.569%
95	22.321	3266	3270	3277	rVB2	7713876	11076256	5.64%	0.518%
96	23.138	3398	3409	3413	rBV3	36391306	125066583	63.68%	5.846%
97	23.291	3431	3435	3441	rVB	12552644	20851026	10.62%	0.975%
98	23.633	3485	3493	3502	rBV2	23060300	69395922	35.33%	3.244%
99	23.762	3505	3515	3520	rVB2	38002142	105072308	53.50%	4.911%
100	23.891	3531	3537	3543	rVB2	18372396	36923207	18.80%	1.726%

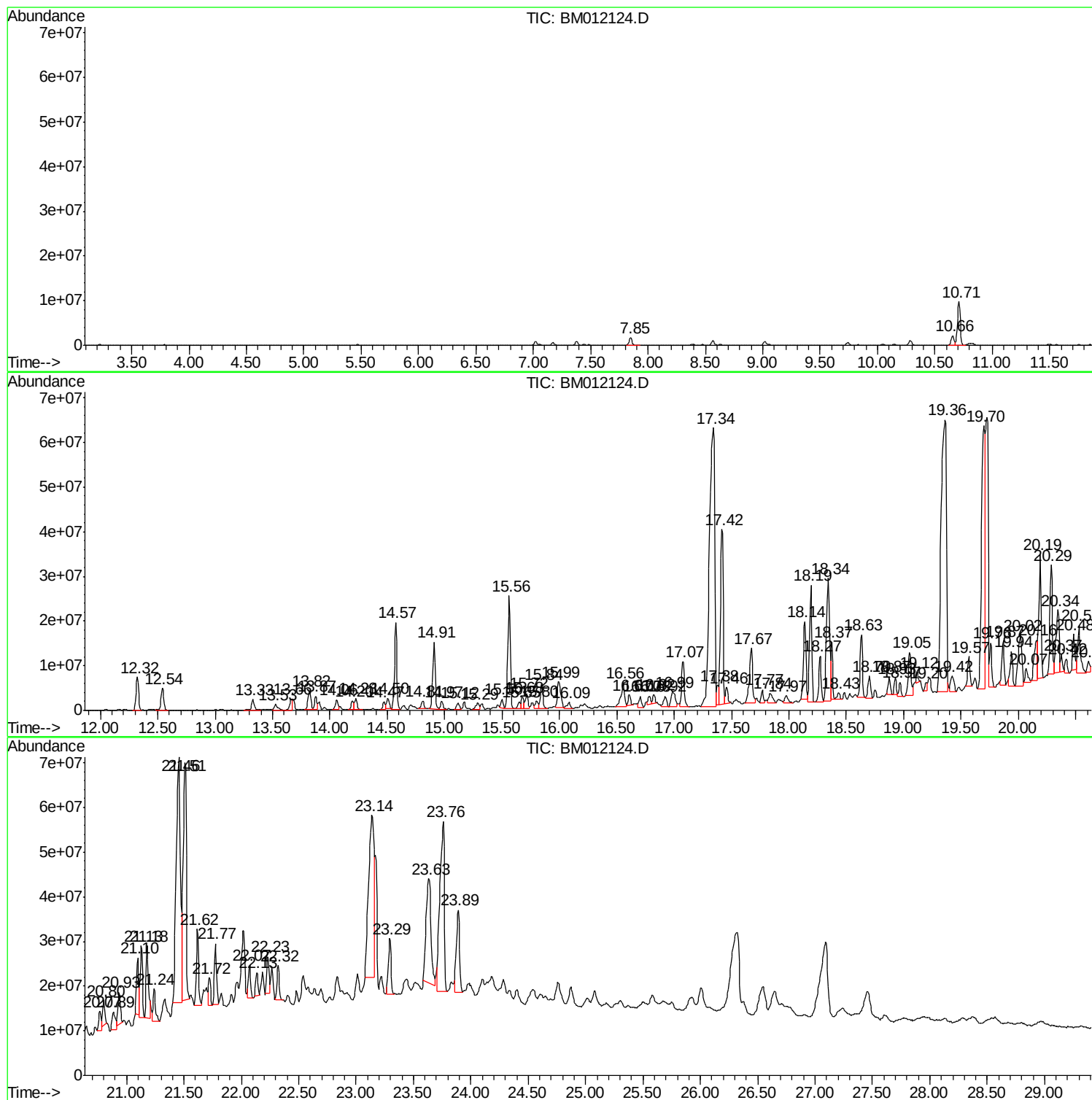
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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



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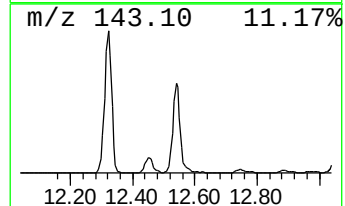
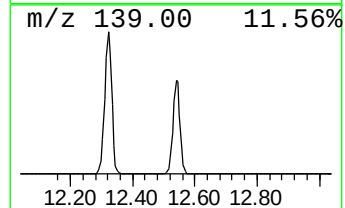
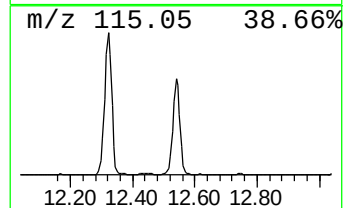
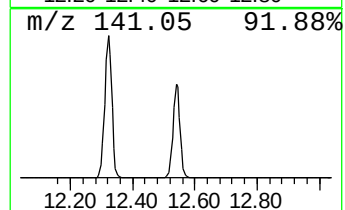
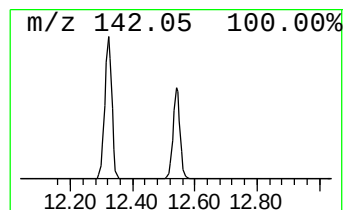
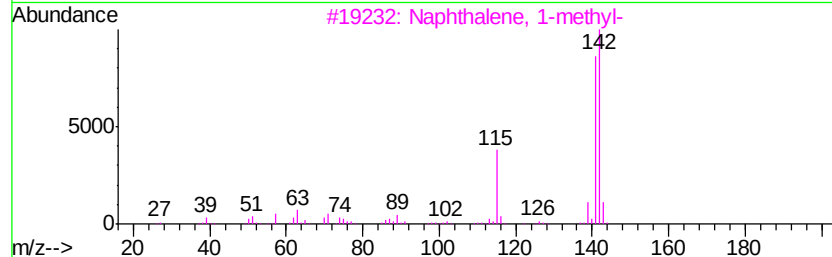
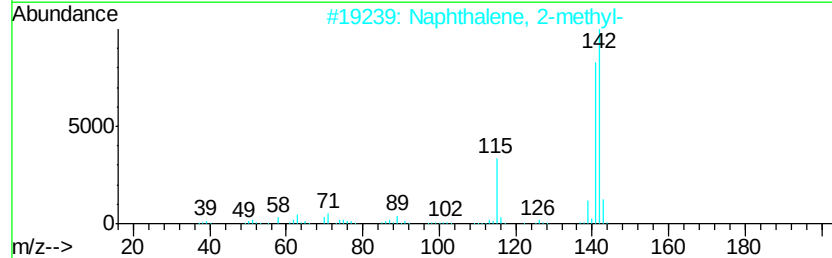
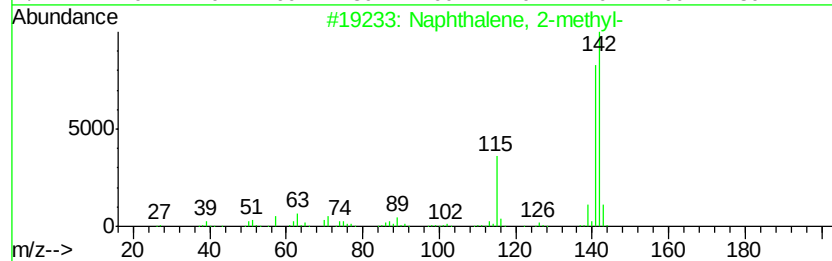
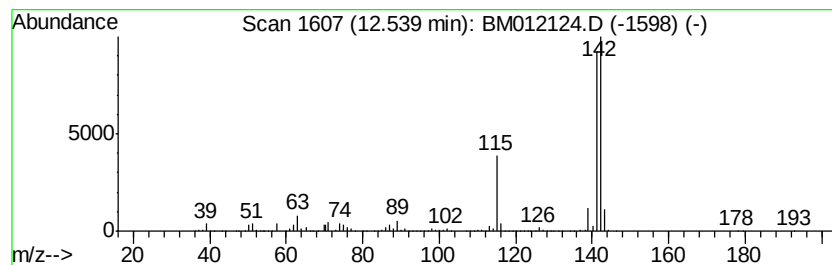
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.54	43.69 ng/ul	7841330	Naphthalene-d8	10.66		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5		Benzocycloheptatriene	142	C11H10	000264-09-5	91



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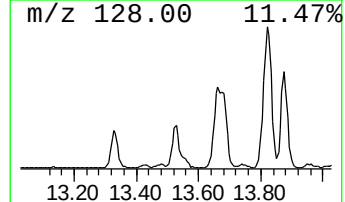
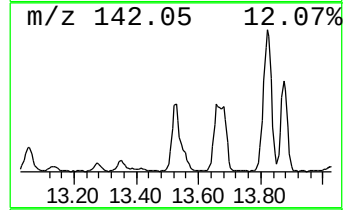
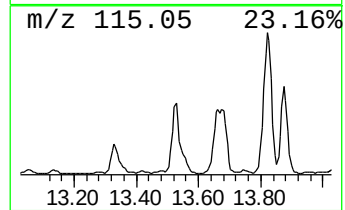
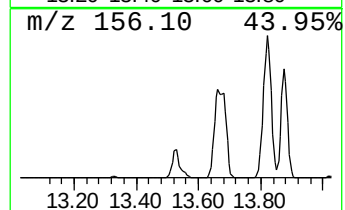
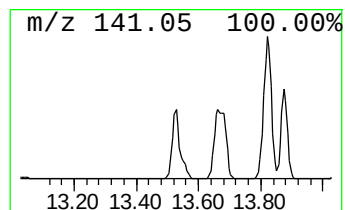
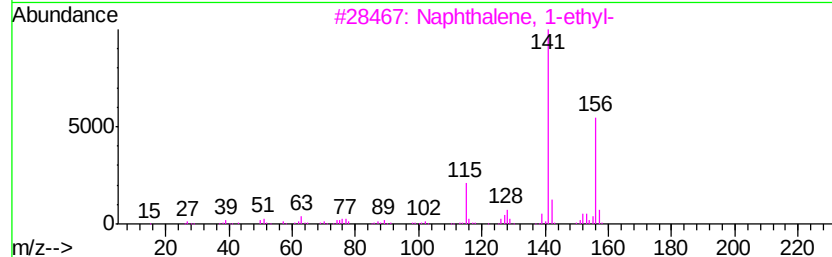
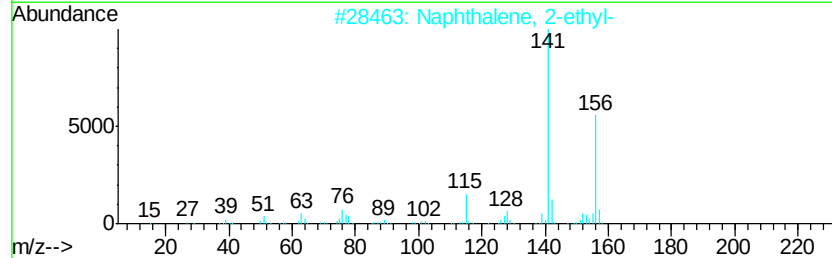
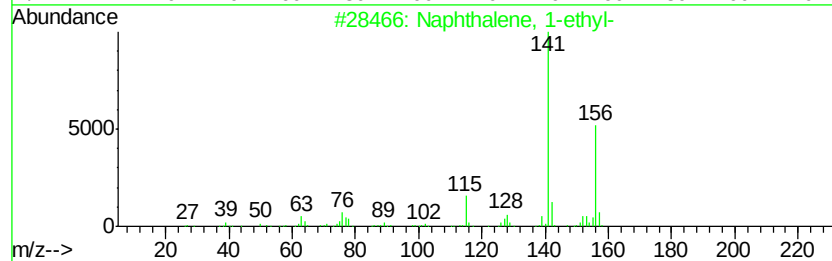
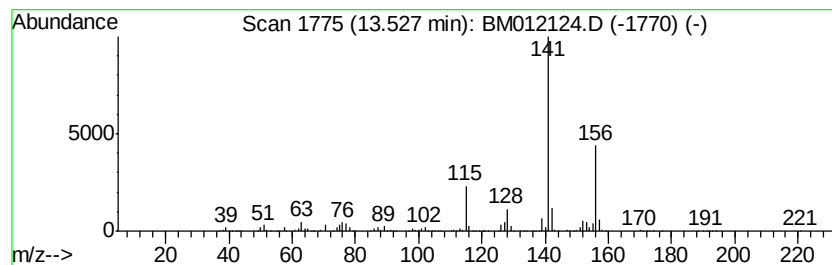
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphthalene, 1-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	13.91 ng/ul	2532550	Acenaphthene-d10	14.50
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 96
3		Naphthalene, 1-ethyl-	156 C12H12	001127-76-0 96
4		Naphthalene, 1-ethyl-	156 C12H12	001127-76-0 95
5		Naphthalene, 2-ethyl-	156 C12H12	000939-27-5 94



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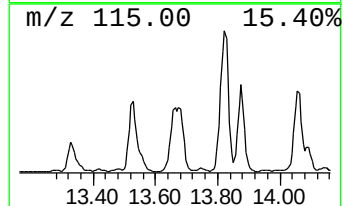
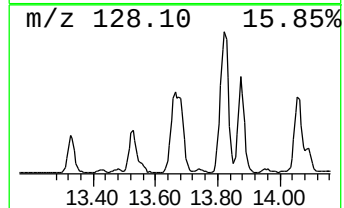
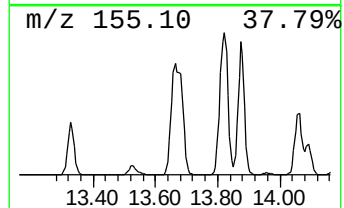
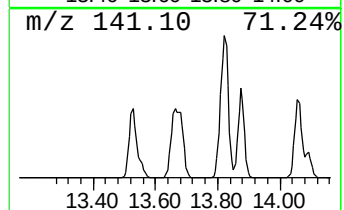
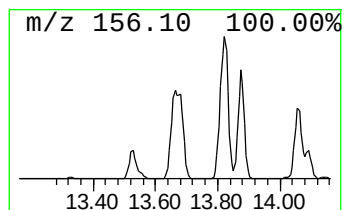
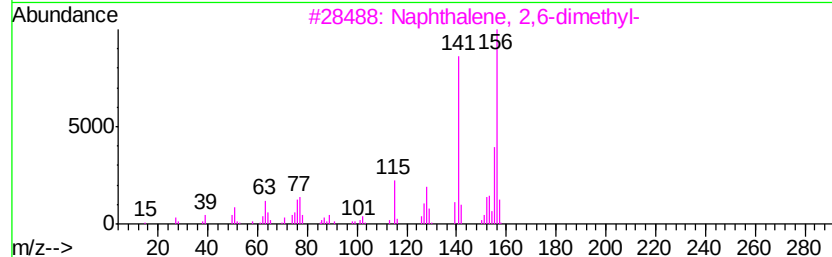
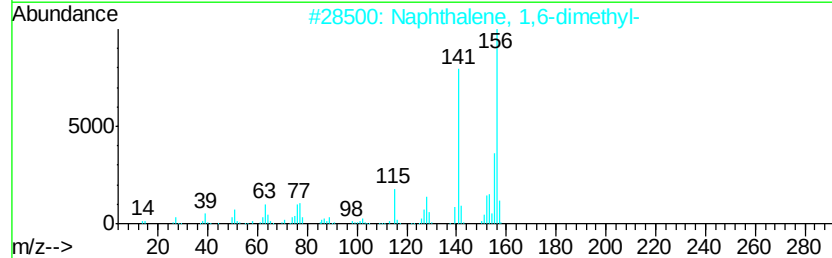
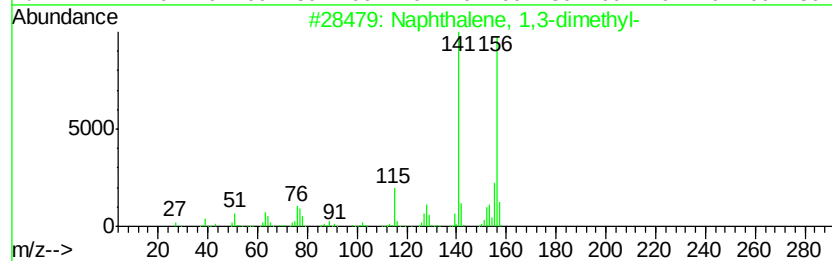
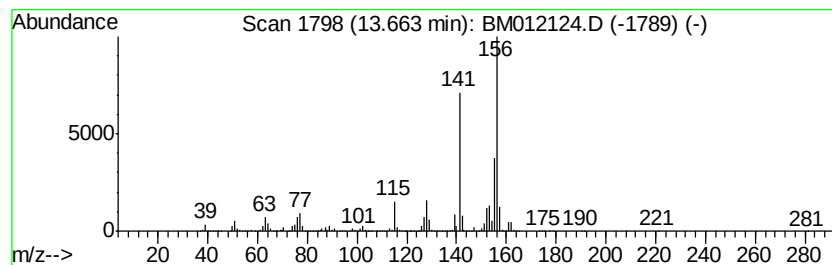
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	19.91 ng/ul	3625910	Acenaphthene-d10	14.50
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 96
2		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 96
3		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 96
4		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 96
5		Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9 96



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
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Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

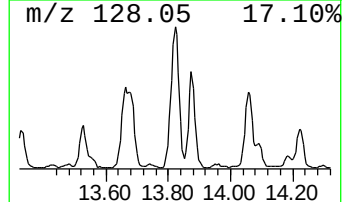
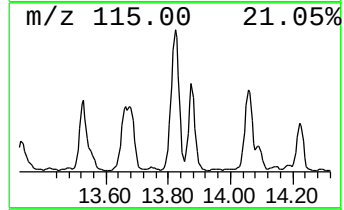
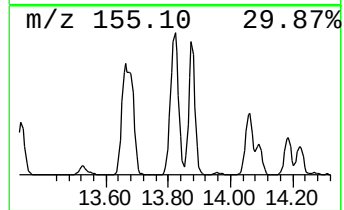
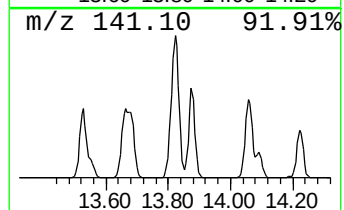
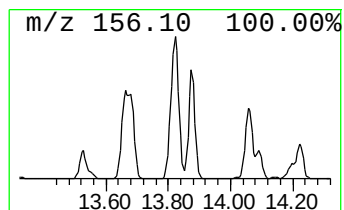
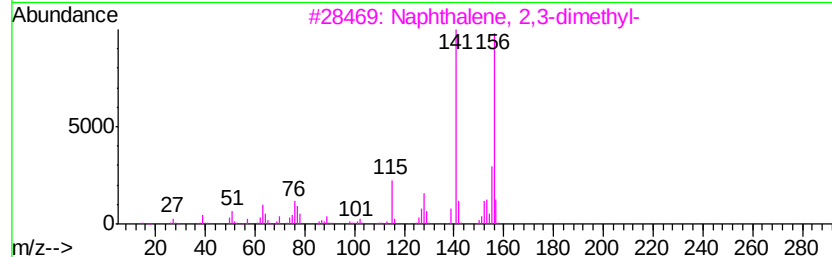
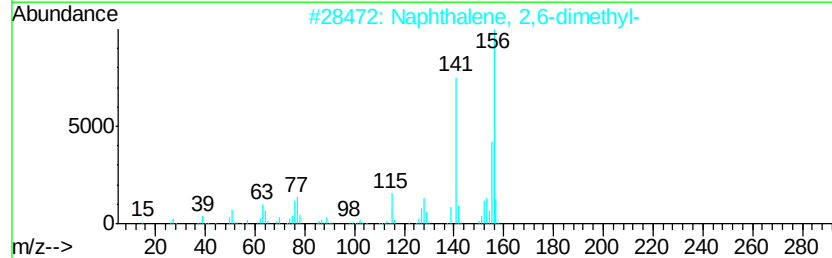
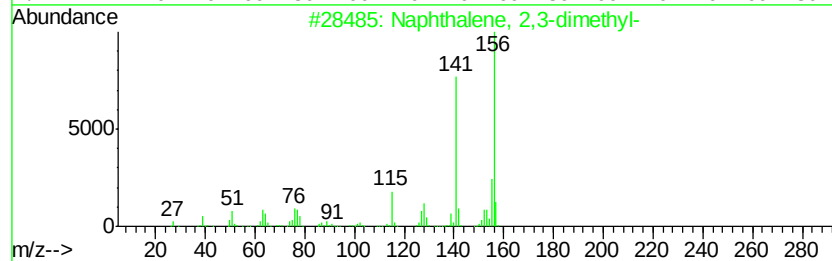
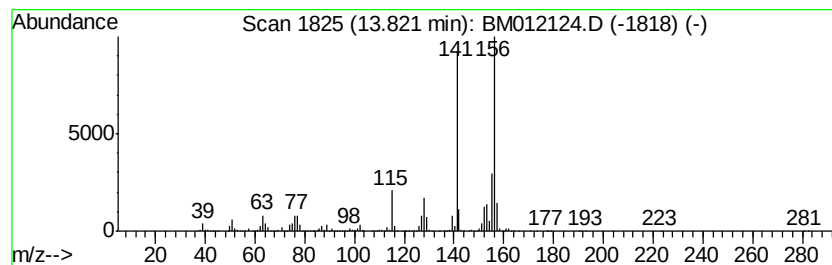
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	42.60 ng/ul	7756660	Acenaphthene-d10	14.50
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 97
2		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 97
3		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 97
4		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 97
5		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 96



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
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Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-54(1-2)-092817

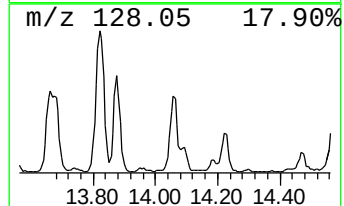
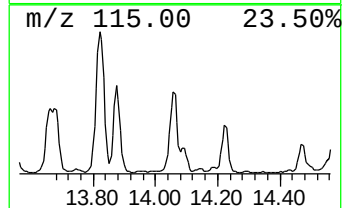
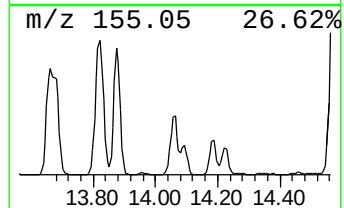
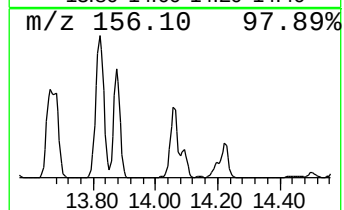
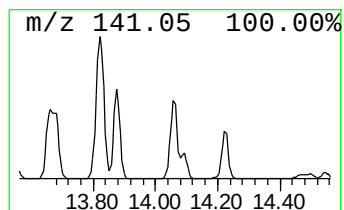
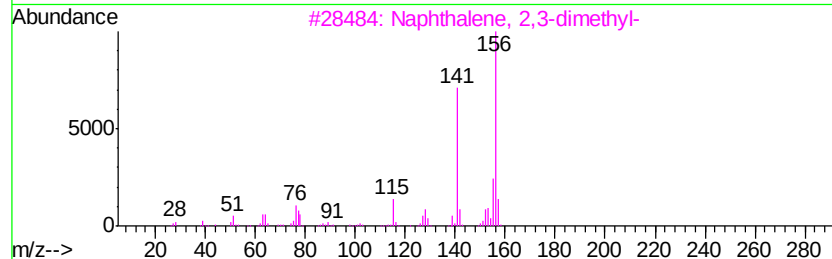
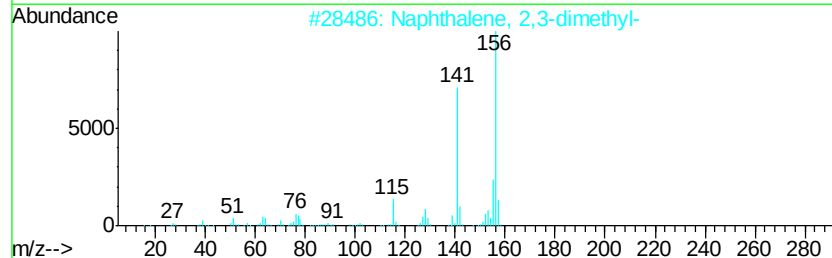
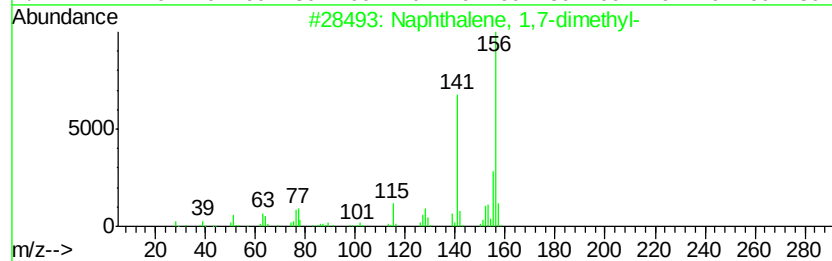
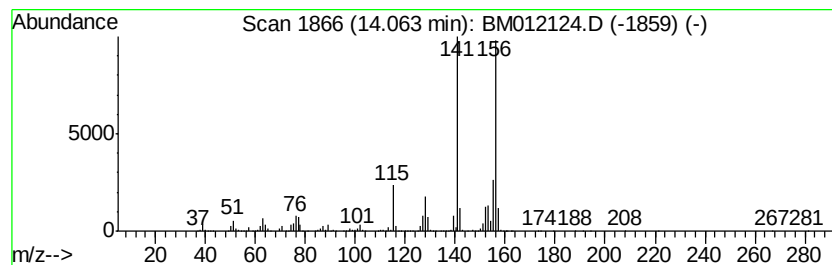
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Naphthalene, 1,7-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.06	19.25 ng/ul	3504900	Acenaphthene-d10	14.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-54(1-2)-092817

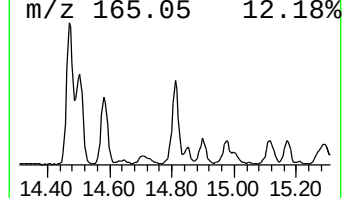
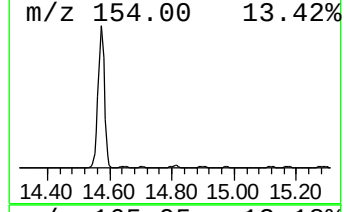
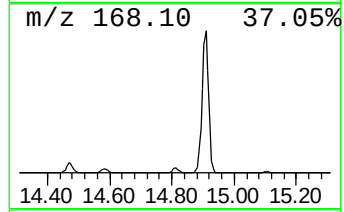
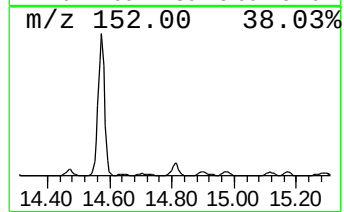
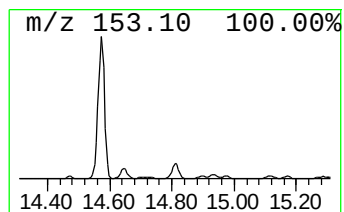
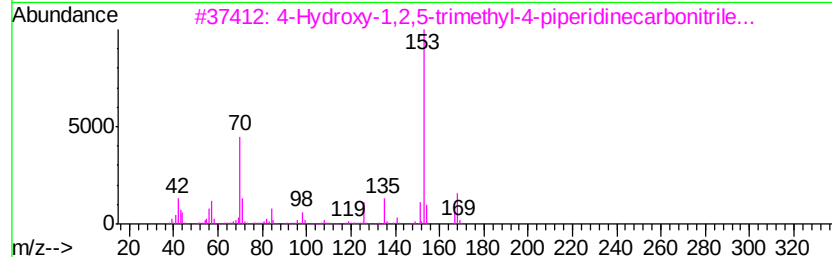
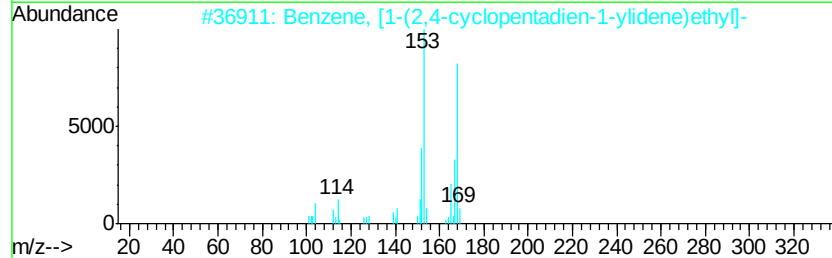
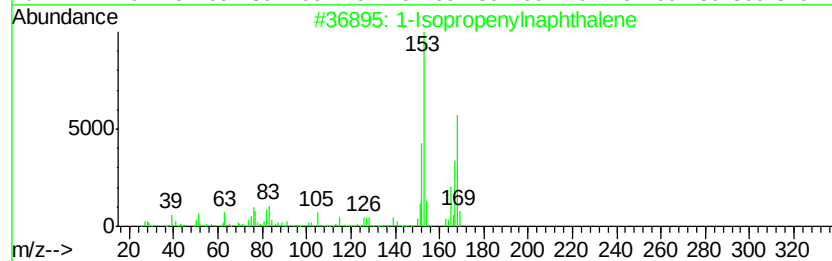
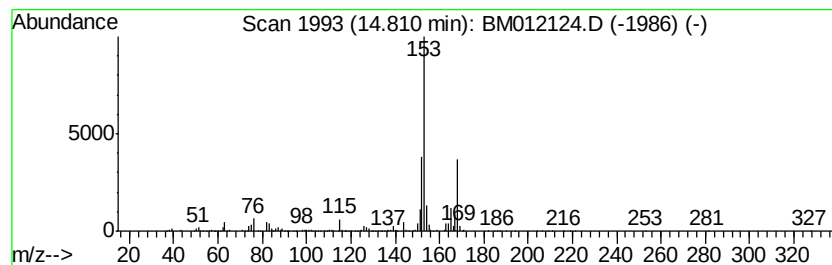
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 1-Isopropenylnaphthalene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	15.10 ng/ul	2749270	Acenaphthene-d10	14.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	80
2		Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
3		4-Hydroxy-1,2,5-trimethyl-4-pipe...	168	C9H16N2O	051871-79-5	53
4		Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9F02	000455-91-4	50
5		Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	40



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
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ALS Vial : 24 Sample Multiplier: 1

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ClientSampleId :
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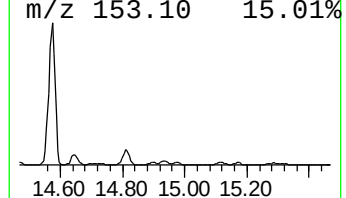
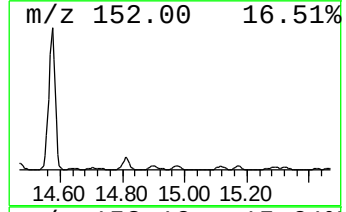
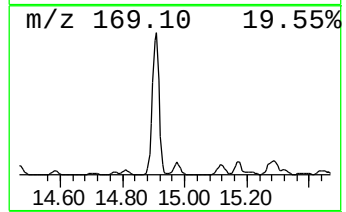
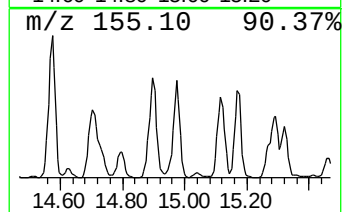
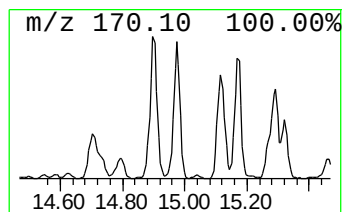
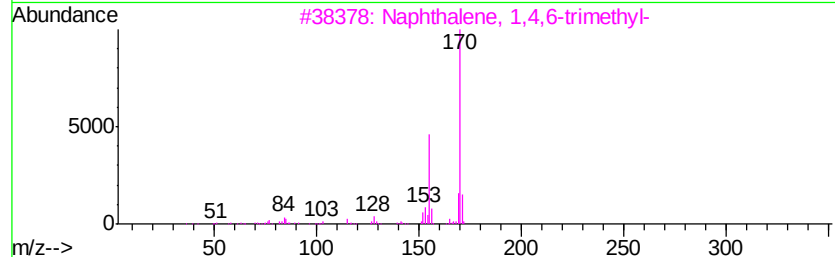
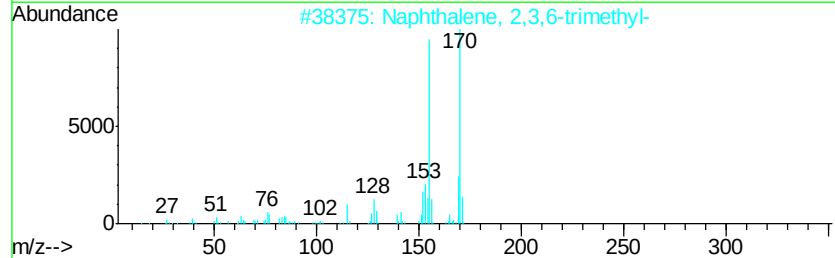
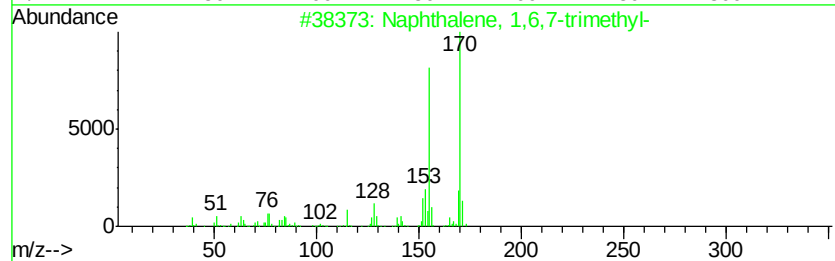
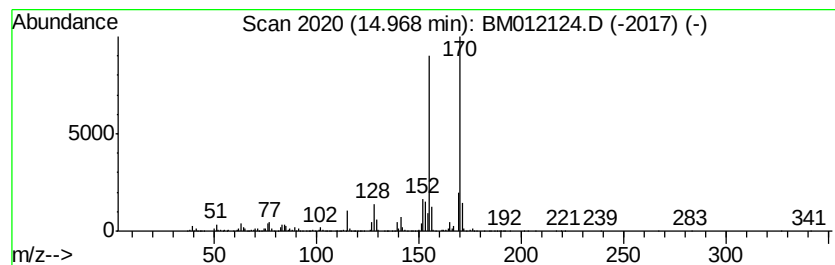
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Naphthalene, 1,6,7-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.97	14.03 ng/ul	2555440	Acenaphthene-d10	14.50

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
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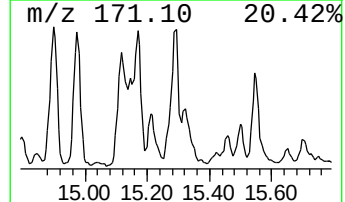
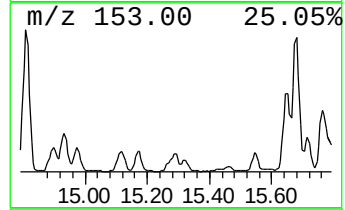
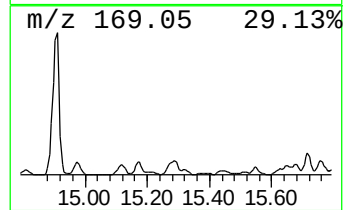
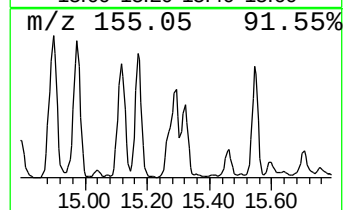
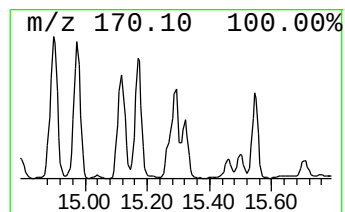
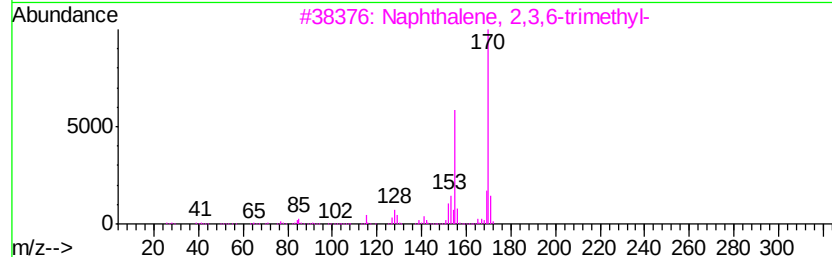
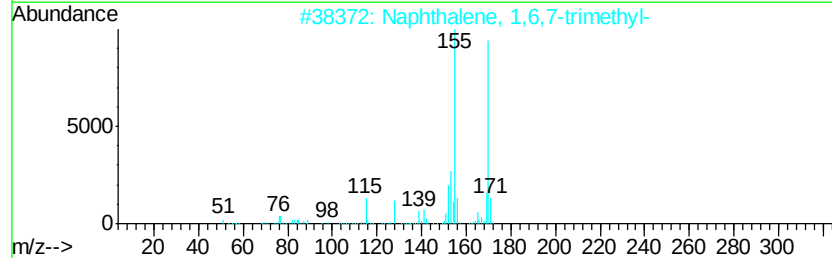
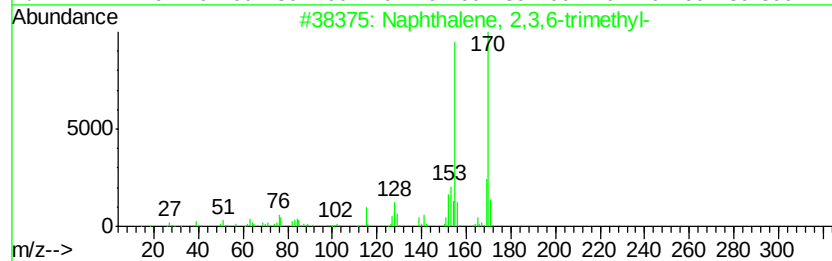
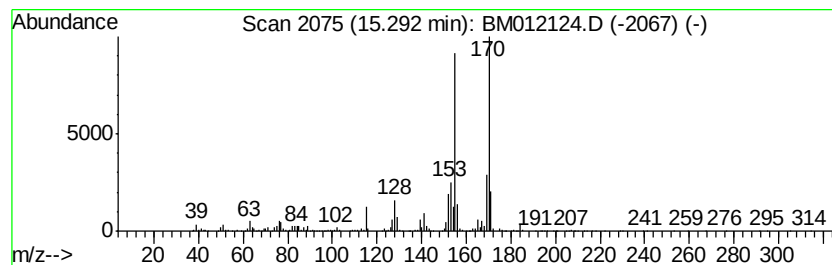
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 Naphthalene, 2,3,6-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	14.38 ng/ul	2618100	Acenaphthene-d10	14.50
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 95
3		Naphthalene, 2,3,6-trimethyl-	170 C13H14	000829-26-5 93
4		Naphthalene, 1,4,5-trimethyl-	170 C13H14	002131-41-1 93
5		Naphthalene, 1,6,7-trimethyl-	170 C13H14	002245-38-7 93



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
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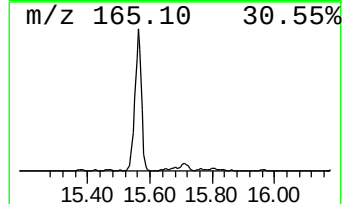
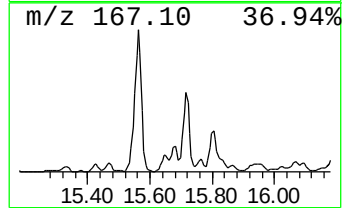
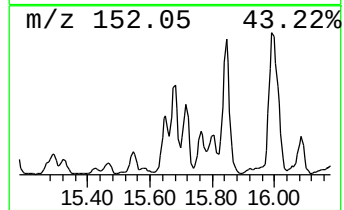
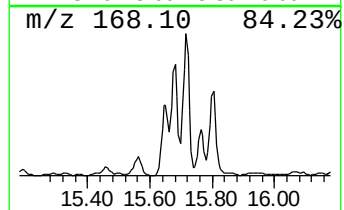
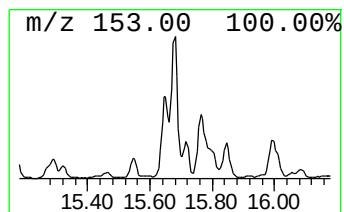
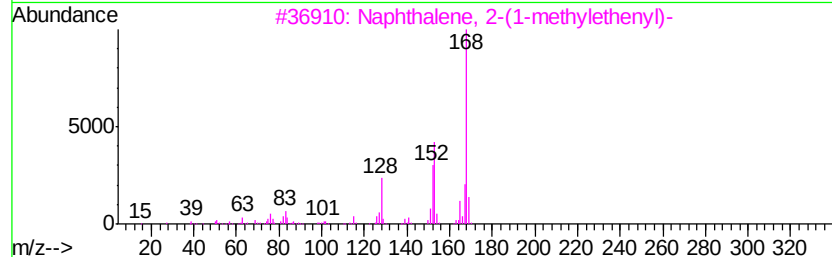
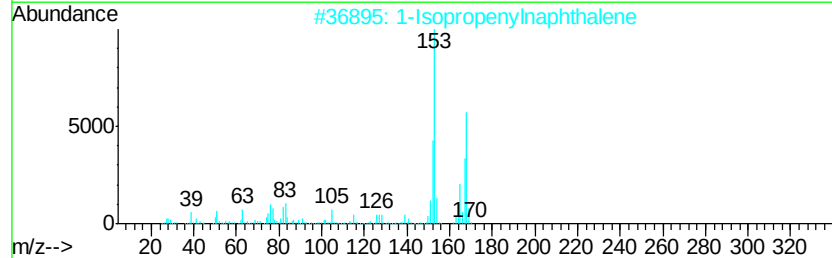
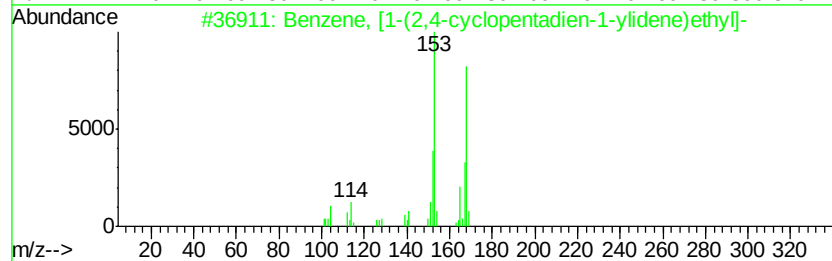
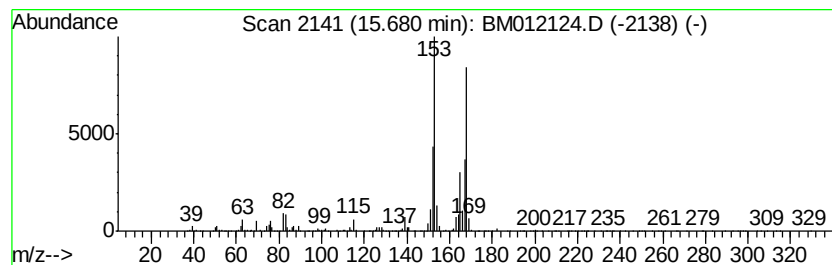
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 Benzene, [1-(2,4-cyclopenta... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	17.85 ng/ul	3249680	Acenaphthene-d10	14.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	87
2		1-Isopropenylnaphthalene	168	C13H12	001855-47-6	83
3		Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	59
4		1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	50
5		Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	47



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
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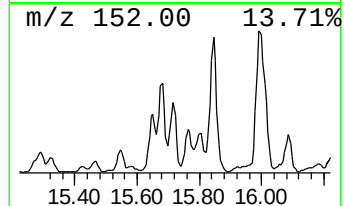
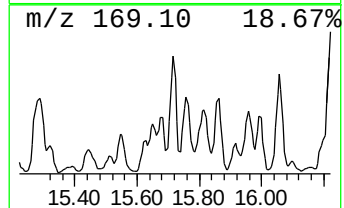
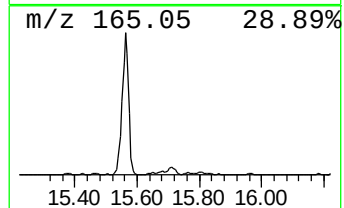
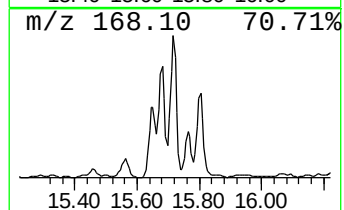
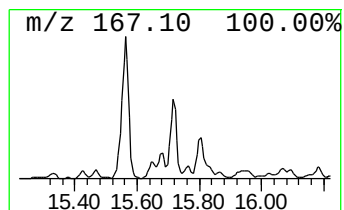
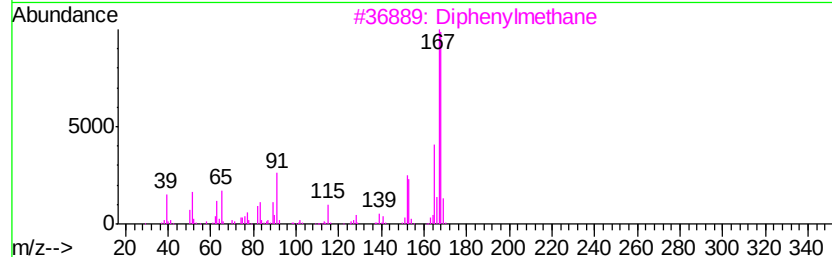
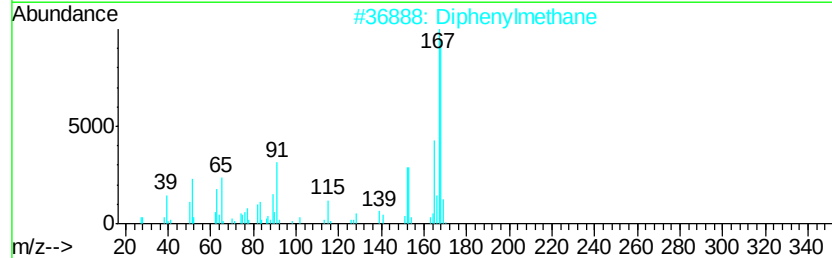
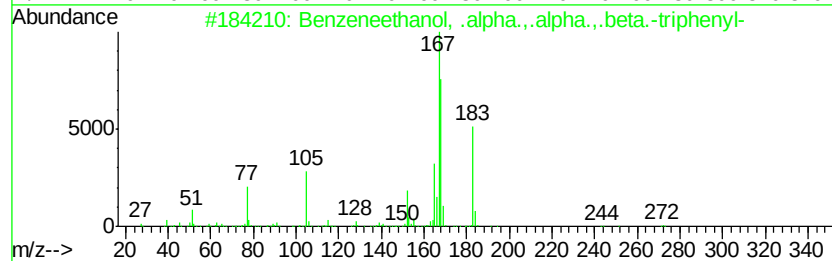
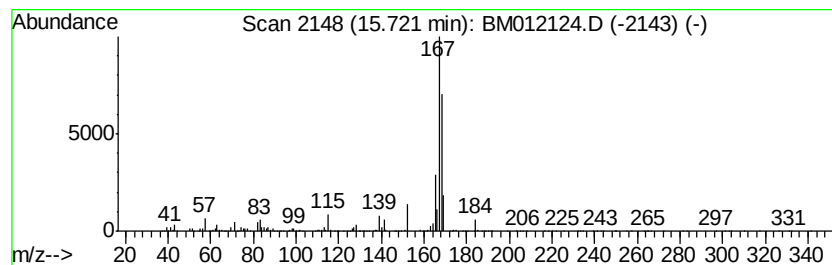
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 Benzeneethanol, .alpha.,.al... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	28.00 ng/ul	5098360	Acenaphthene-d10	14.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	64
2		Diphenylmethane	168	C13H12	000101-81-5	58
3		Diphenylmethane	168	C13H12	000101-81-5	46
4		2-Propanone, 1,1-diphenyl-	210	C15H14O	000781-35-1	46
5		Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	46



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

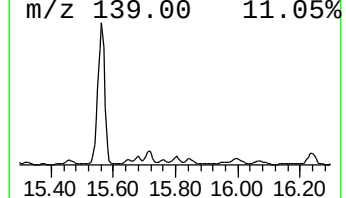
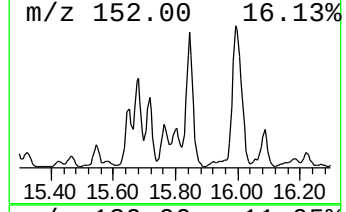
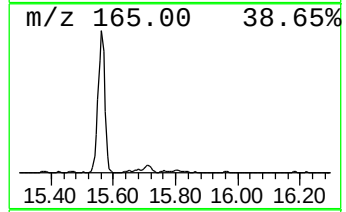
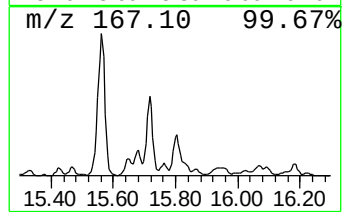
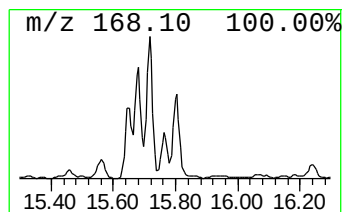
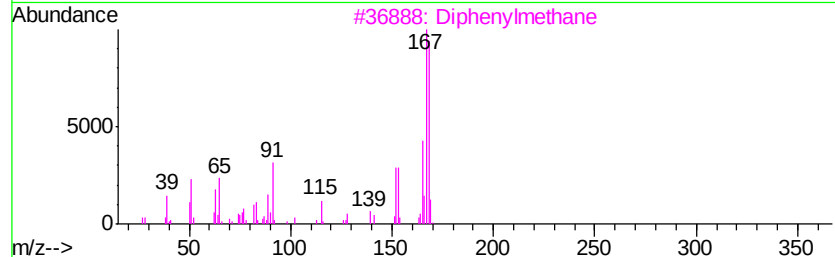
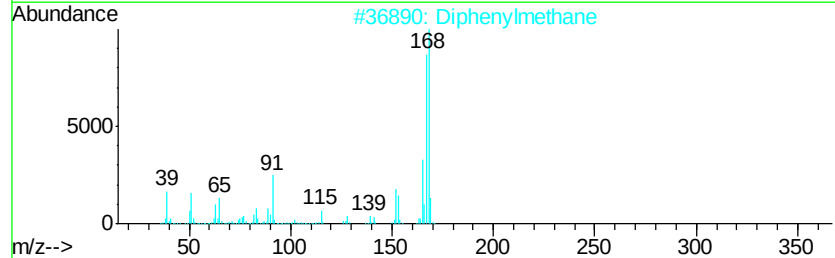
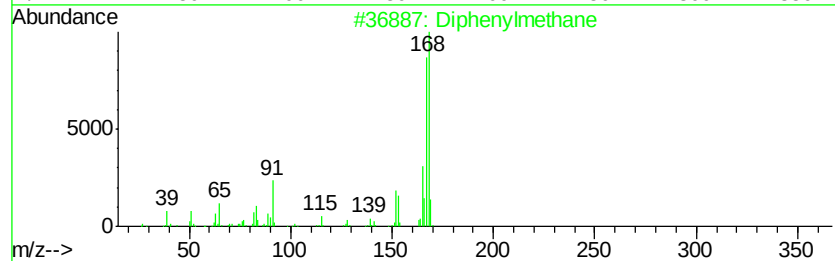
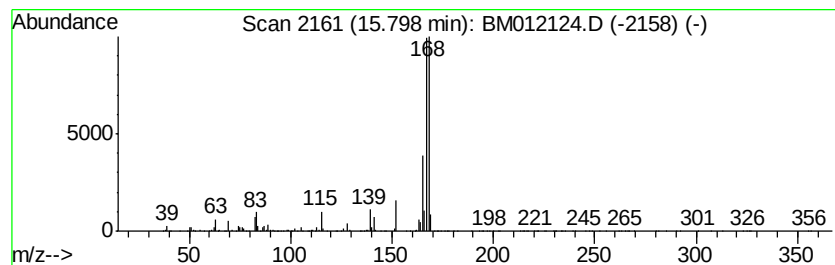
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 Diphenylmethane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	15.35 ng/ul	2794780	Acenaphthene-d10	14.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Diphenylmethane	168	C13H12	000101-81-5	83
2		Diphenylmethane	168	C13H12	000101-81-5	80
3		Diphenylmethane	168	C13H12	000101-81-5	72
4		Diphenylmethane	168	C13H12	000101-81-5	64
5		1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	64



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
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Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

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ClientSampleId :
B-54(1-2)-092817

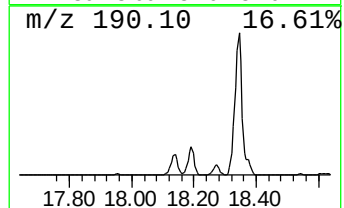
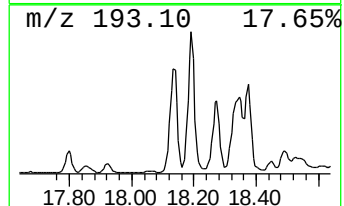
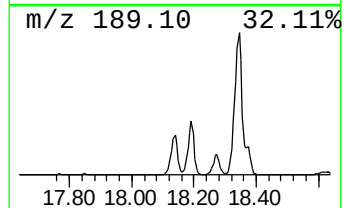
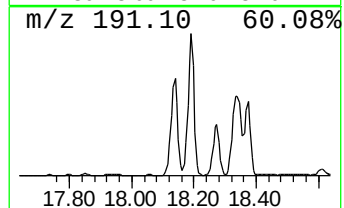
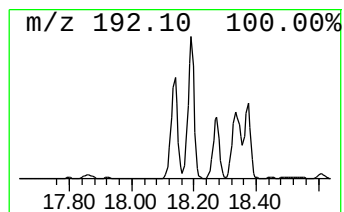
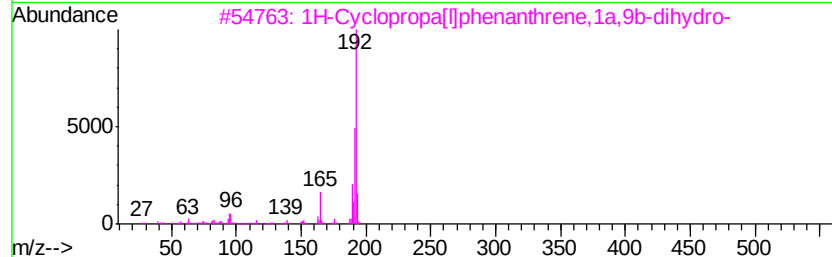
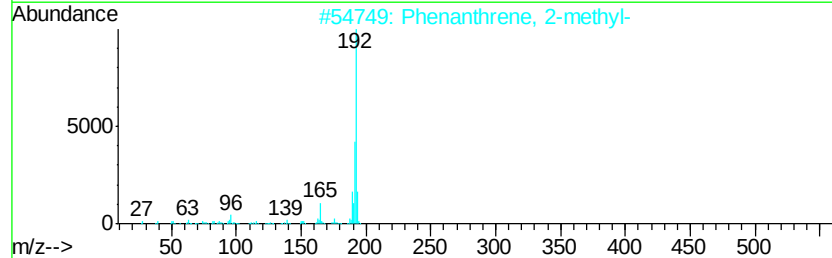
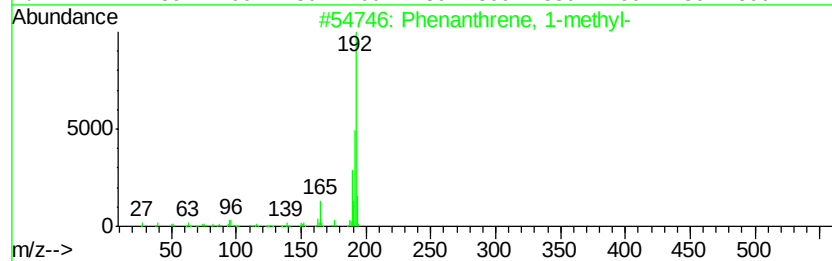
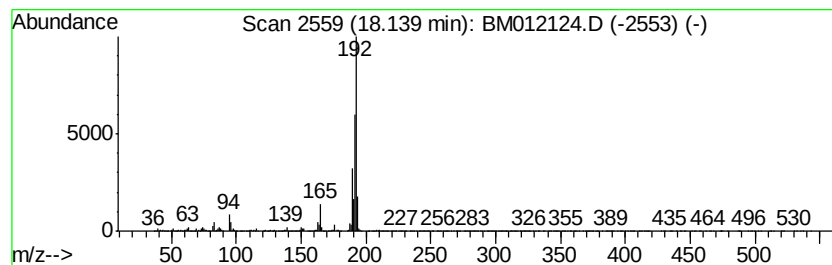
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 Phenanthrene, 1-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	2.70 ng/ul	26561000	Phenanthrene-d10	17.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-54(1-2)-092817

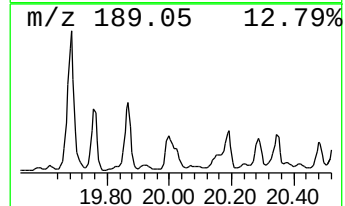
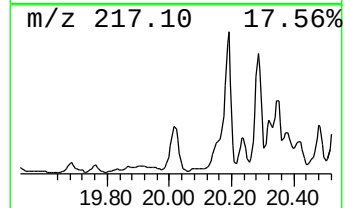
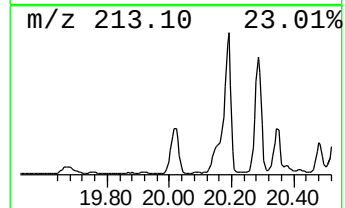
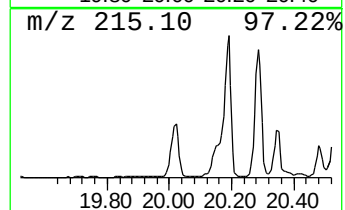
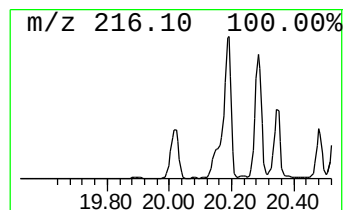
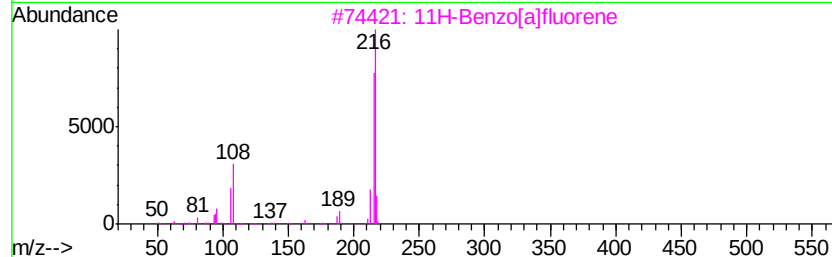
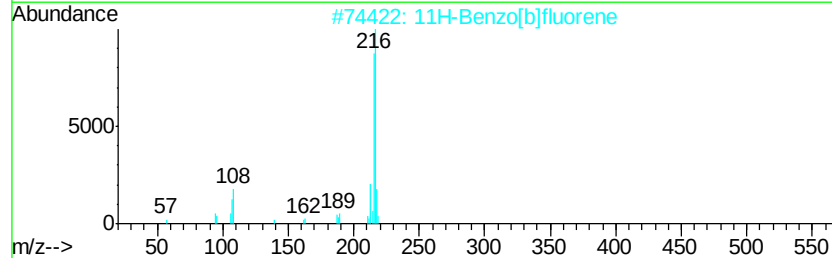
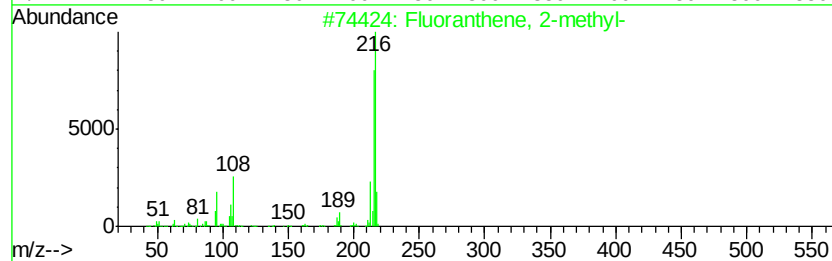
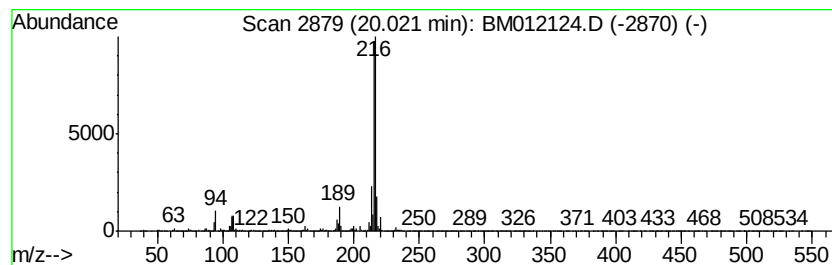
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 Fluoranthene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.02	3.70 ng/ul	26428400	Chrysene-d12	21.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
5		Pyrene, 1-methyl-	216	C17H12	002381-21-7	86



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
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Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

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ClientSampleId :
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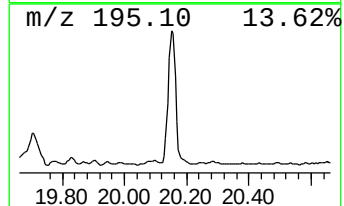
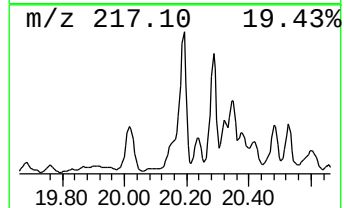
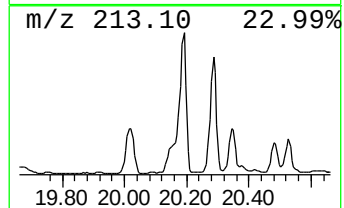
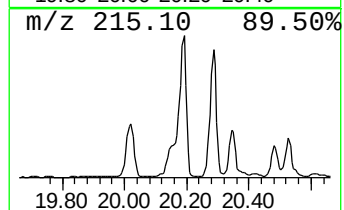
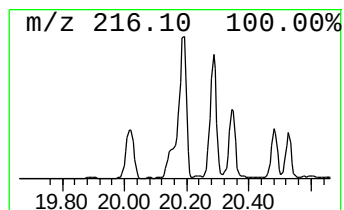
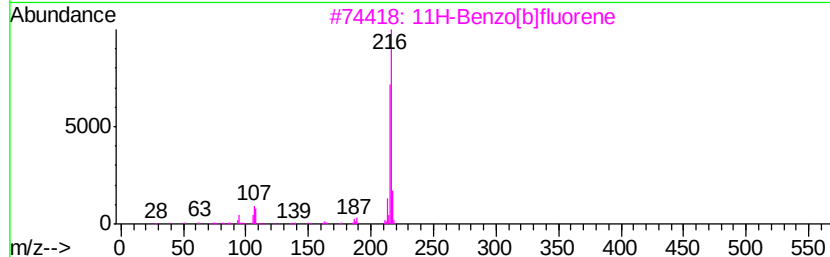
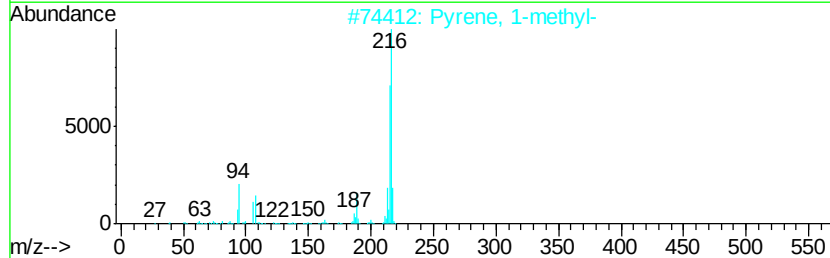
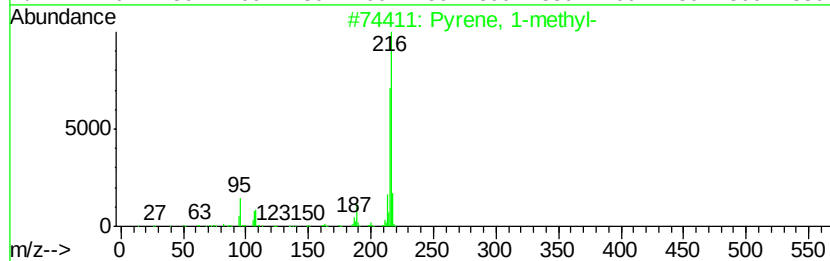
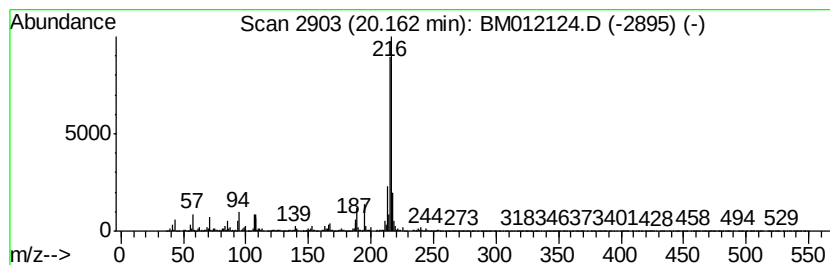
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 Pyrene, 1-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.16	2.33 ng/ul	16653200	Chrysene-d12	21.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
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Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

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ClientSampleId :
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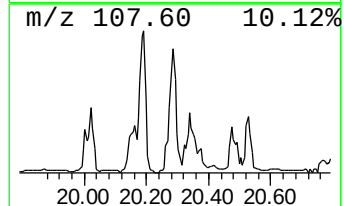
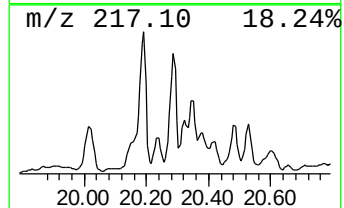
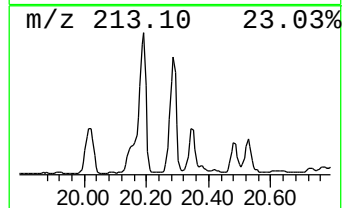
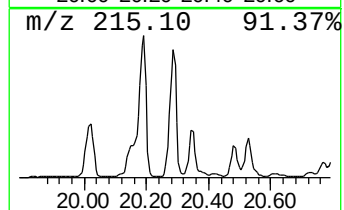
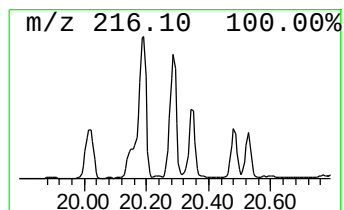
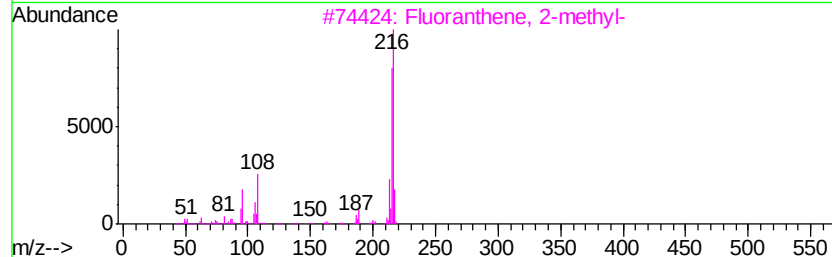
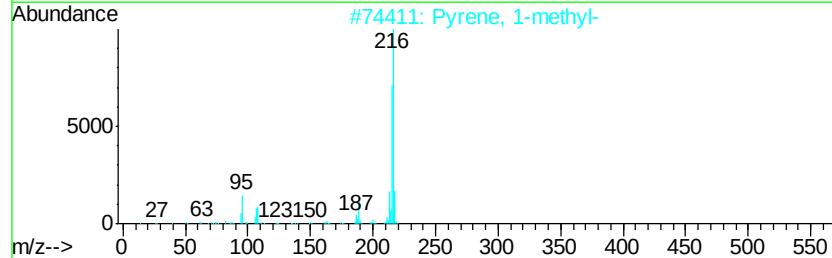
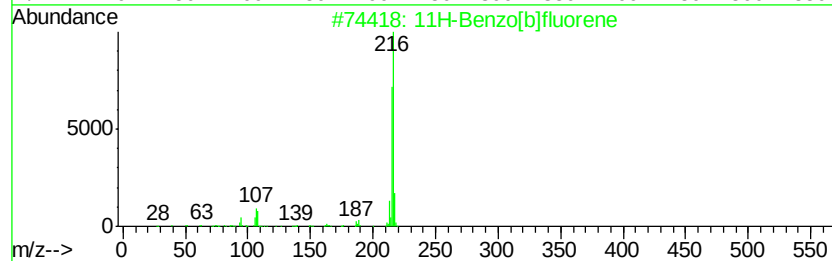
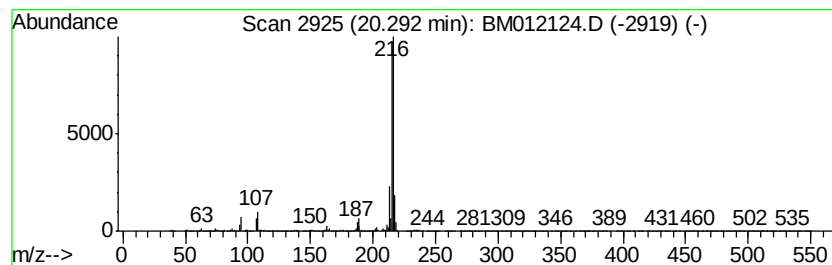
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.29	4.91 ng/ul	35090300	Chrysene-d12	21.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91



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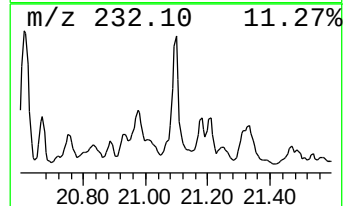
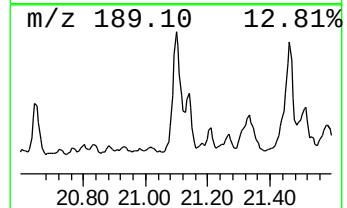
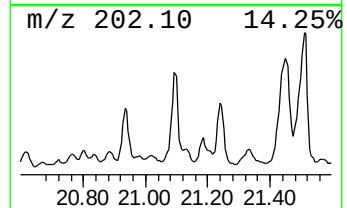
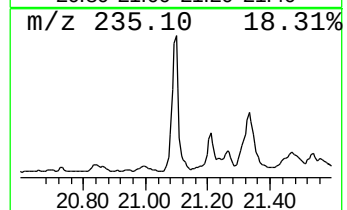
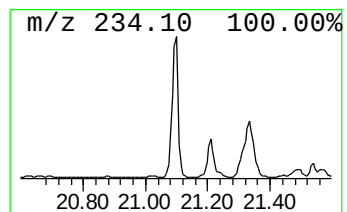
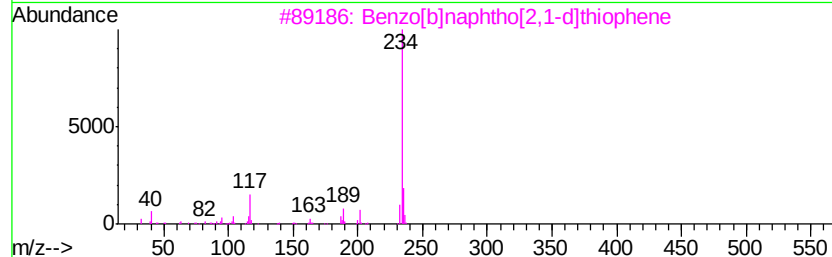
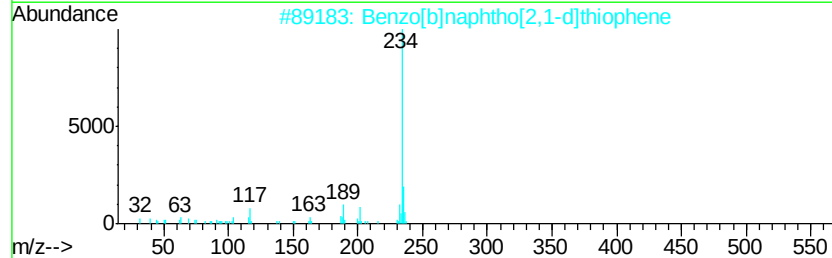
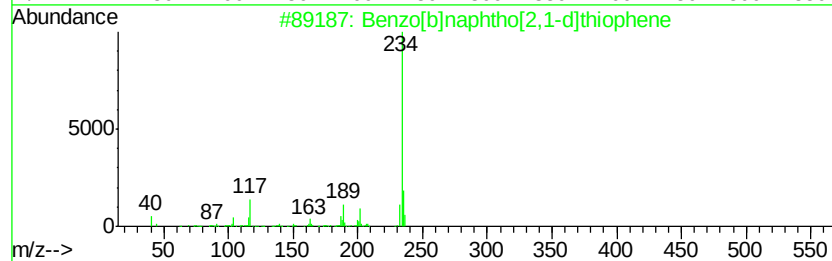
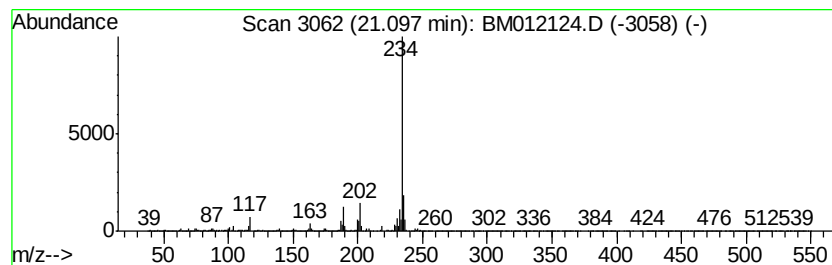
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.10	2.35 ng/ul	16745400	Chrysene-d12	21.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
3		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
4		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
5		Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	91



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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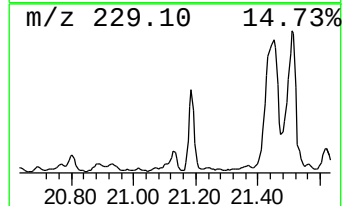
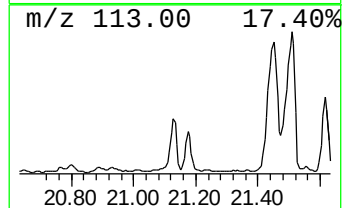
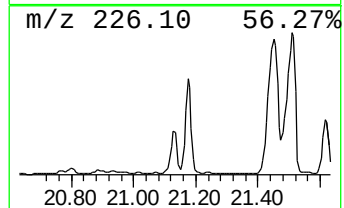
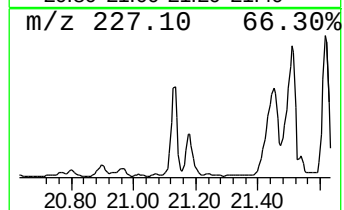
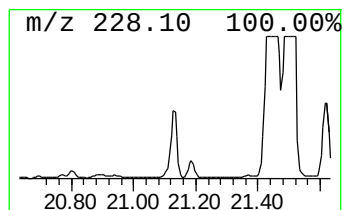
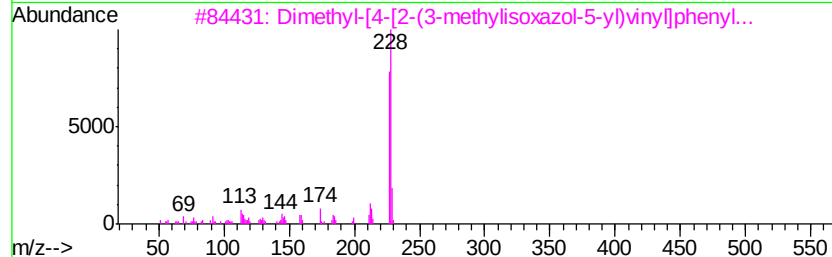
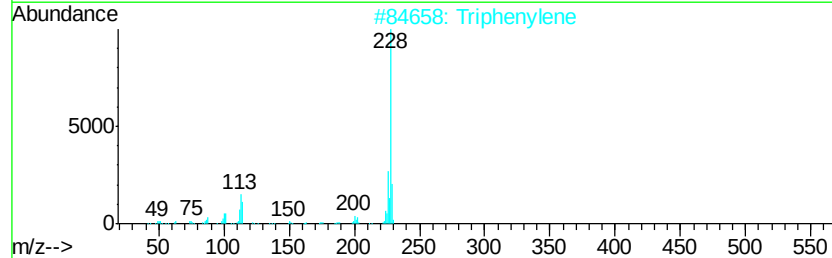
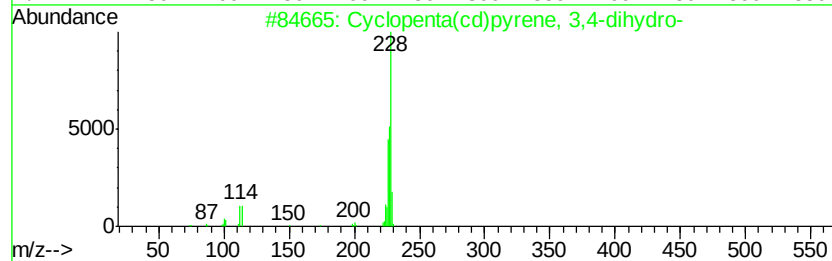
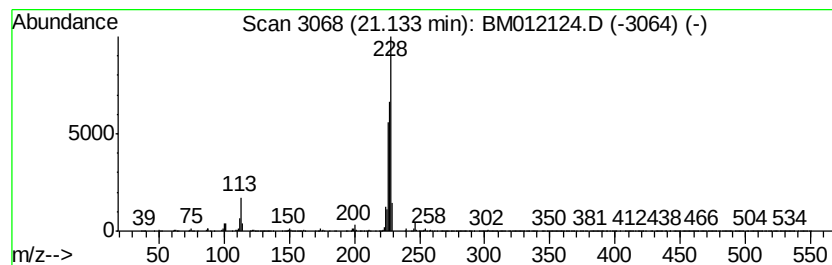
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.13	3.26 ng/ul	23297300	Chrysene-d12	21.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	83
2		Triphenylene	228	C18H12	000217-59-4	55
3		Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	47
4		Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
5		Benz[a]anthracene	228	C18H12	000056-55-3	43



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

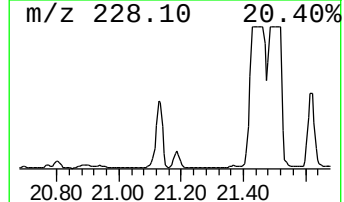
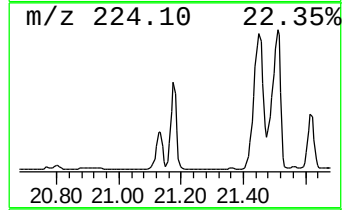
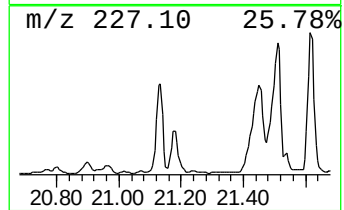
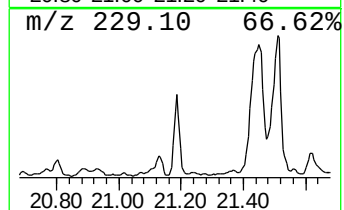
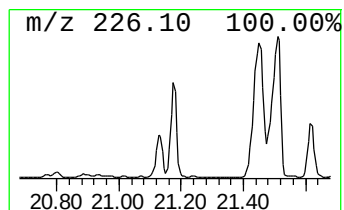
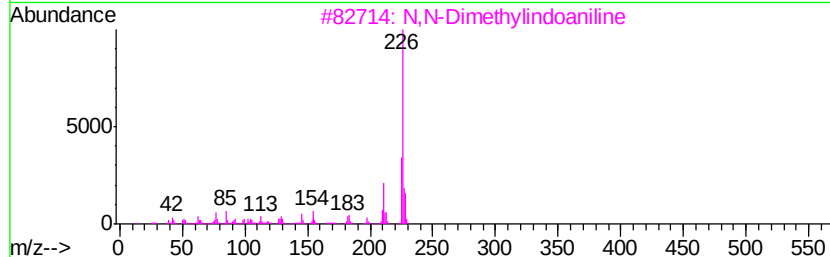
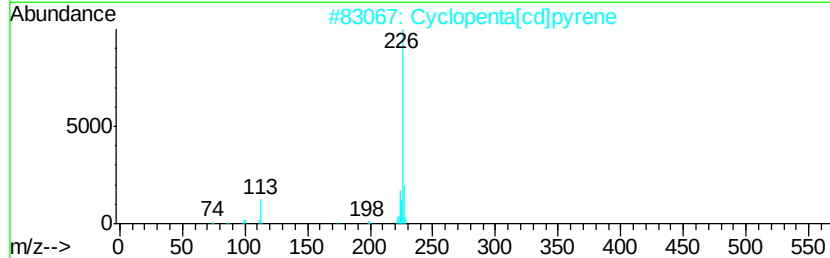
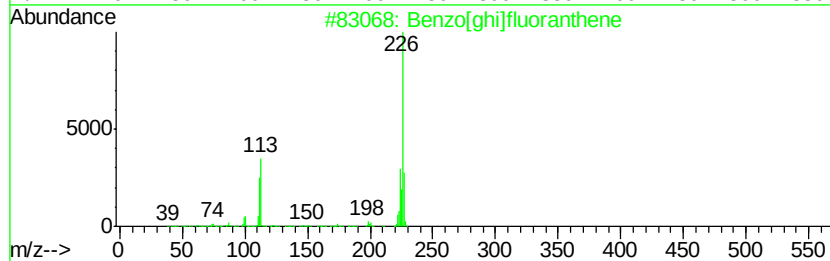
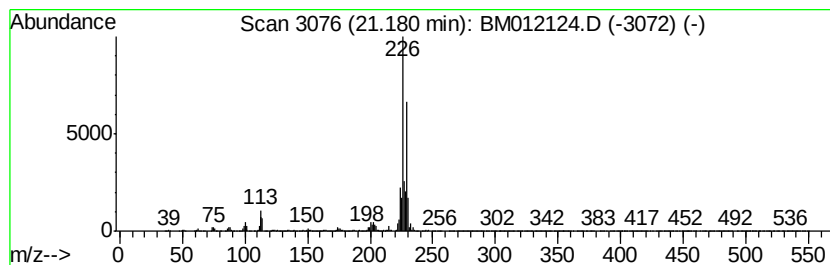
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Quant Title : SVOA CALIBRATION

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

Peak Number 26 unknown-01 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.18	3.42 ng/ul	24452400	Chrysene-d12	21.47

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	46
2			Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	46
3			N,N-Dimethylindoaniline	226	C14H14N2O	002150-58-5	43
4			Benz[c]acridine	229	C17H11N	000225-51-4	42
5			.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	35



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817

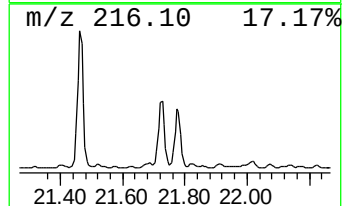
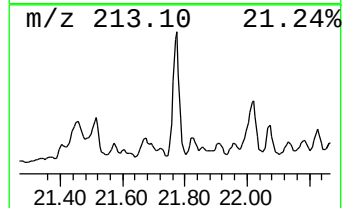
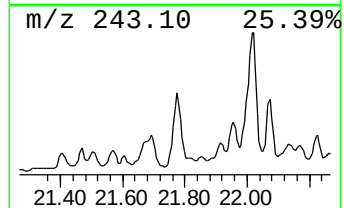
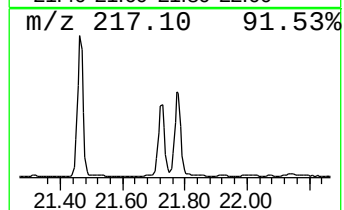
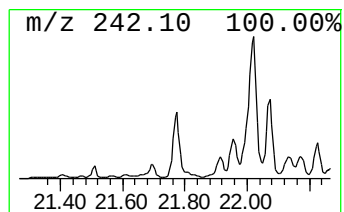
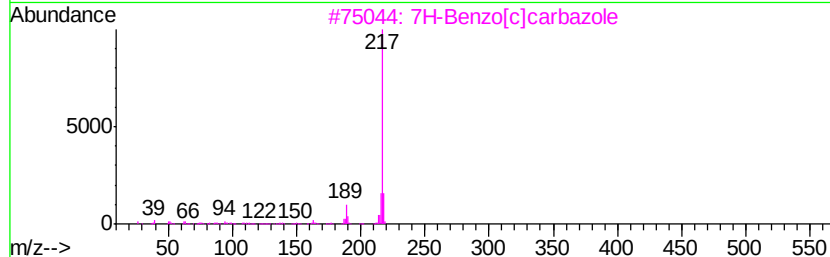
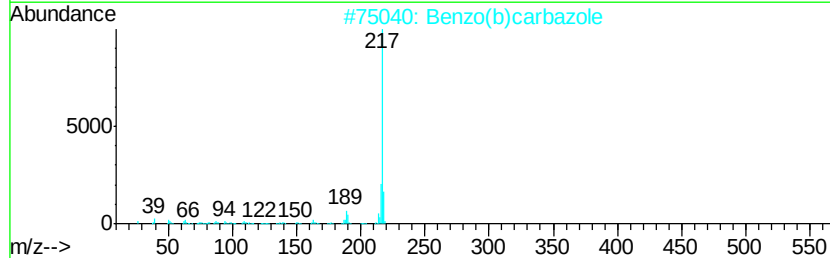
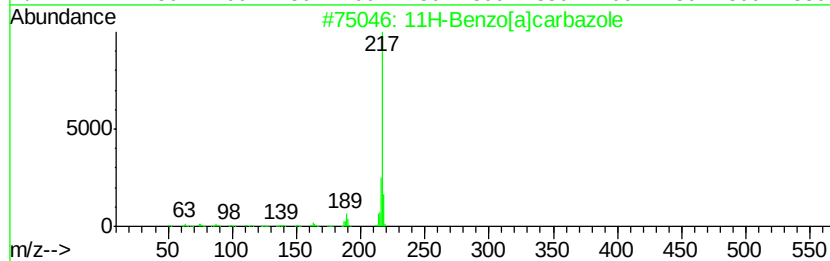
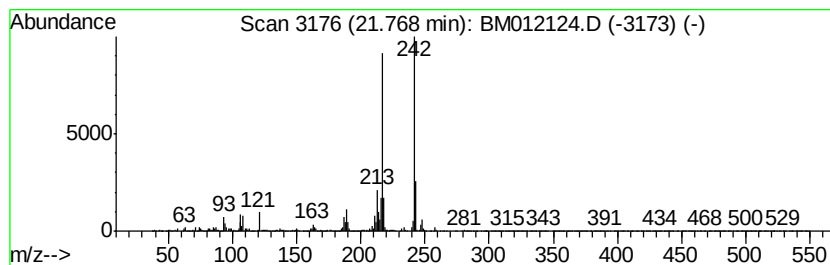
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 11H-Benzo[a]carbazole Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.77	2.64 ng/ul	18845000	Chrysene-d12	21.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	78
2		Benzo(b)carbazole	217	C16H11N	000243-28-7	60
3		7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	60
4		Benzo(c)carbazole	217	C16H11N	034777-33-8	60
5		7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	53



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

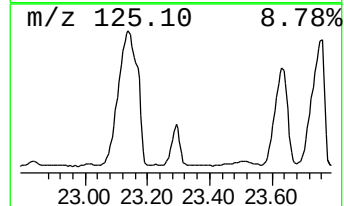
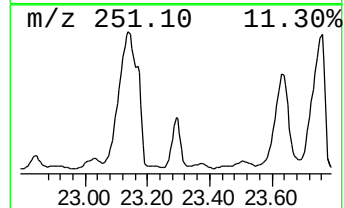
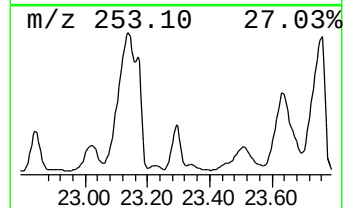
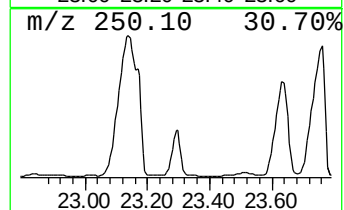
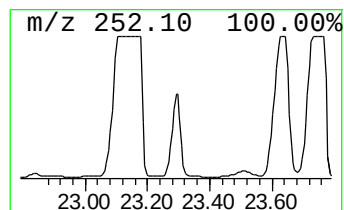
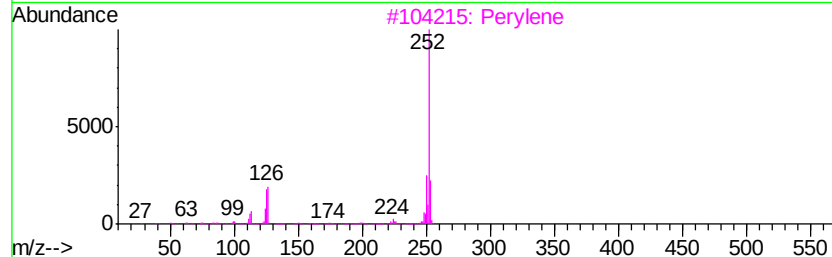
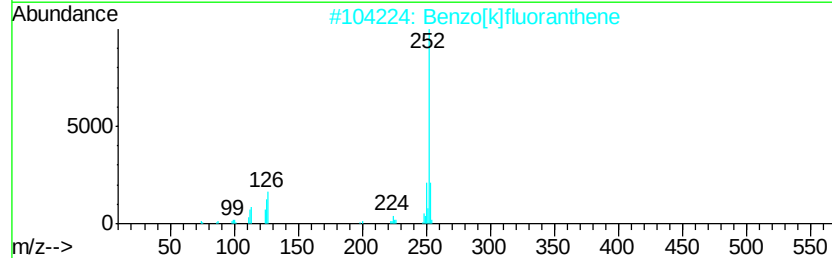
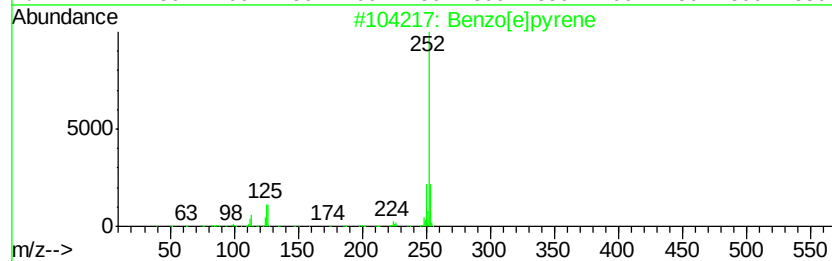
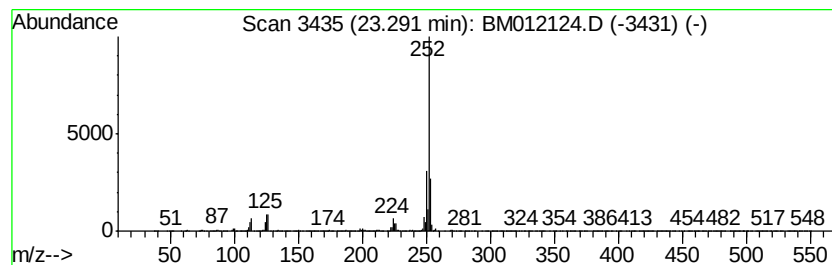
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ClientSampleId :
B-54(1-2)-092817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

Peak Number 29 Benzo[e]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.29	11.29 ng/ul	20851000	Perylene-d12	23.83
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzo[e]pyrene	252 C20H12	000192-97-2	95
2	Benzo[k]fluoranthene	252 C20H12	000207-08-9	94
3	Perylene	252 C20H12	000198-55-0	93
4	Benzo[a]pyrene	252 C20H12	000050-32-8	90
5	Benz[e]acephenanthrylene	252 C20H12	000205-99-2	90



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101217\
 Data File : BM012124.D
 Acq On : 13 Oct 2017 06:28
 Operator : SJ/JU
 Sample : I5533-09
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-54(1-2)-092817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Naphthalene, 1-me...	12.54	43.7	ng/ul	7841330	2	10.66	3589440	20.0
Naphthalene, 1-et...	13.53	13.9	ng/ul	2532550	3	14.50	3641760	20.0
Naphthalene, 1,3-...	13.66	19.9	ng/ul	3625910	3	14.50	3641760	20.0
Naphthalene, 2,3-...	13.82	42.6	ng/ul	7756660	3	14.50	3641760	20.0
Naphthalene, 1,7-...	14.06	19.3	ng/ul	3504900	3	14.50	3641760	20.0
1-Isopropenyl naph...	14.81	15.1	ng/ul	2749270	3	14.50	3641760	20.0
Naphthalene, 1,6,...	14.97	14.0	ng/ul	2555440	3	14.50	3641760	20.0
Naphthalene, 2,3,...	15.29	14.4	ng/ul	2618100	3	14.50	3641760	20.0
Benzene, [1-(2,4-...	15.68	17.9	ng/ul	3249680	3	14.50	3641760	20.0
Benzeneethanol, ...	15.72	28.0	ng/ul	5098360	3	14.50	3641760	20.0
Diphenylmethane	15.80	15.4	ng/ul	2794780	3	14.50	3641760	20.0
Phenanthrene, 1-m...	18.14	2.7	ng/ul	26561000	4	17.27	196398000	20.0
Fluoranthene, 2-m...	20.02	3.7	ng/ul	26428400	5	21.47	142808000	20.0
Pyrene, 1-methyl-	20.16	2.3	ng/ul	16653200	5	21.47	142808000	20.0
11H-Benzo[b]fluorene	20.29	4.9	ng/ul	35090300	5	21.47	142808000	20.0
Benzo[b]naphtho[2...	21.10	2.4	ng/ul	16745400	5	21.47	142808000	20.0
Cyclopenta(cd)pyr...	21.13	3.3	ng/ul	23297300	5	21.47	142808000	20.0
unknown-01	21.18	3.4	ng/ul	24452400	5	21.47	142808000	20.0
11H-Benzo[a]carba...	21.77	2.6	ng/ul	18845000	5	21.47	142808000	20.0
Benzo[e]pyrene	23.29	11.3	ng/ul	20851000	6	23.83	36923200	20.0