

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
 Data File : BM020417.D
 Acq On : 19 May 2019 02:17
 Operator : JU/SJ
 Sample : K2633-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GAJ96

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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.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	10.587	1287	1292	1299	rVB	1837684	2999443	2.84%	0.273%
2	11.957	1514	1525	1532	rBV3	1427672	3223897	3.05%	0.293%
3	12.104	1545	1550	1556	rVB	718841	1403092	1.33%	0.128%
4	12.251	1558	1575	1579	rBV	33838785	81541753	77.21%	7.416%
5	12.481	1596	1614	1618	rBV	34155920	86356759	81.77%	7.854%
6	13.233	1729	1742	1749	rVV	8974635	15592765	14.76%	1.418%
7	13.428	1759	1775	1779	rBV2	5465418	12465443	11.80%	1.134%
8	13.610	1791	1806	1810	rBV	25899558	76344562	72.29%	6.943%
9	13.757	1818	1831	1834	rVV	23548073	60138415	56.94%	5.469%
10	13.804	1834	1839	1845	rVV	21494571	31177783	29.52%	2.835%
11	13.869	1845	1850	1860	rVV	8812235	13415208	12.70%	1.220%
12	13.980	1860	1869	1872	rVV	13801687	23710498	22.45%	2.156%
13	14.004	1872	1873	1880	rVB	4223765	4138939	3.92%	0.376%
14	14.145	1885	1897	1904	rBV2	21634012	39691662	37.58%	3.610%
15	14.275	1913	1919	1923	rBV2	1284252	1695856	1.61%	0.154%
16	14.380	1929	1937	1945	rBV	9319156	14724652	13.94%	1.339%
17	14.486	1945	1955	1960	rVV4	4965780	11737255	11.11%	1.067%
18	14.533	1960	1963	1970	rVB3	713193	1359292	1.29%	0.124%
19	14.610	1970	1976	1984	rBV	3712981	8529005	8.08%	0.776%
20	14.692	1984	1990	1998	rBV2	1419518	2785372	2.64%	0.253%
21	14.804	1998	2009	2015	rVV2	8112421	13918252	13.18%	1.266%
22	14.880	2015	2022	2029	rVB	6534864	9640992	9.13%	0.877%
23	15.016	2038	2045	2050	rBV2	6045954	11553957	10.94%	1.051%
24	15.074	2050	2055	2059	rVV	4990446	7180208	6.80%	0.653%
25	15.174	2066	2072	2073	rBV	2217922	3081478	2.92%	0.280%
26	15.192	2073	2075	2078	rVV	2434587	3060200	2.90%	0.278%
27	15.227	2078	2081	2086	rVB2	2097290	2701648	2.56%	0.246%
28	15.280	2086	2090	2095	rVB	3858942	5199865	4.92%	0.473%
29	15.357	2095	2103	2108	rBV3	5081076	13482992	12.77%	1.226%
30	15.410	2108	2112	2116	rVV	5160599	7550946	7.15%	0.687%
31	15.480	2116	2124	2131	rVB	17614703	32112435	30.41%	2.920%
32	15.580	2132	2141	2145	rBV3	2567629	6055425	5.73%	0.551%
33	15.616	2145	2147	2151	rVB2	1050433	1287096	1.22%	0.117%
34	15.663	2151	2155	2161	rBV3	839151	1831944	1.73%	0.167%

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 Title : SVOA CALIBRATION

35	15.745	2163	2169	2175	rVB2	2773045	5264266	4.98%	0.479%
36	15.892	2190	2194	2202	rVB	1893569	3633084	3.44%	0.330%
37	16.121	2229	2233	2242	rVB4	1426992	2494058	2.36%	0.227%
38	16.216	2242	2249	2252	rBV	889075	1268921	1.20%	0.115%
39	16.439	2282	2287	2288	rVV	3552679	4464849	4.23%	0.406%
40	16.463	2288	2291	2295	rVV2	4414491	5989729	5.67%	0.545%
41	16.516	2295	2300	2304	rVB	5102579	6779078	6.42%	0.617%
42	16.604	2310	2315	2320	rVB	2435362	3629654	3.44%	0.330%
43	16.680	2320	2328	2330	rBV4	701084	1438184	1.36%	0.131%
44	16.721	2330	2335	2340	rVB4	818886	1513507	1.43%	0.138%
45	16.827	2347	2353	2358	rVV	3004127	4568531	4.33%	0.415%
46	16.886	2358	2363	2373	rVV5	819625	1636922	1.55%	0.149%
47	16.980	2373	2379	2387	rVB	4021643	6035372	5.71%	0.549%
48	17.245	2405	2424	2428	rVV2	42077313	105609891	100.00%	9.605%
49	17.274	2428	2429	2431	rVV	1372456	1210755	1.15%	0.110%
50	17.304	2431	2434	2438	rVV	5867336	7773798	7.36%	0.707%
51	17.351	2438	2442	2446	rVV2	1531935	2766966	2.62%	0.252%
52	17.392	2446	2449	2451	rVV2	861126	1088939	1.03%	0.099%
53	17.433	2451	2456	2460	rVV4	757607	1875860	1.78%	0.171%
54	17.474	2460	2463	2470	rVV2	962468	1455305	1.38%	0.132%
55	17.668	2492	2496	2500	rVV	1719712	2183292	2.07%	0.199%
56	17.739	2500	2508	2514	rVB2	2750264	4544479	4.30%	0.413%
57	17.874	2522	2531	2538	rVB4	1637687	4640278	4.39%	0.422%
58	17.968	2541	2547	2552	rVV2	725069	1415320	1.34%	0.129%
59	18.045	2552	2560	2564	rVV	17449579	27554007	26.09%	2.506%
60	18.098	2564	2569	2574	rVV	19084642	28120240	26.63%	2.557%
61	18.168	2574	2581	2586	rVV2	1636034	2590169	2.45%	0.236%
62	18.233	2586	2592	2597	rVV2	11757851	22895551	21.68%	2.082%
63	18.280	2597	2600	2605	rVV	9357182	11447954	10.84%	1.041%
64	18.539	2638	2644	2649	rVV	7068942	10817454	10.24%	0.984%
65	18.598	2649	2654	2660	rVB	5998398	8951441	8.48%	0.814%
66	18.774	2676	2684	2689	rBV3	2175607	4233177	4.01%	0.385%
67	18.827	2689	2693	2697	rVV	2466691	3385767	3.21%	0.308%
68	18.868	2697	2700	2704	rVB	1289538	1533702	1.45%	0.139%
69	18.957	2709	2715	2719	rBV2	4759146	7777764	7.36%	0.707%
70	19.015	2719	2725	2728	rVV2	5481026	9877260	9.35%	0.898%
71	19.051	2728	2731	2734	rVV	2486384	3046590	2.88%	0.277%

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72	19.115	2734	2742	2752	rVB4	1877321	4854172	4.60%	0.441%
73	19.233	2752	2762	2766	rBV2	12368669	21695968	20.54%	1.973%
74	19.280	2766	2770	2773	rVV	1737134	2360475	2.24%	0.215%
75	19.315	2773	2776	2781	rVB2	1347055	2075281	1.97%	0.189%
76	19.380	2781	2787	2791	rBV	5092222	6722560	6.37%	0.611%
77	19.439	2791	2797	2800	rVV2	2419106	3521889	3.33%	0.320%
78	19.604	2813	2825	2830	rVV	18827454	31458829	29.79%	2.861%
79	19.657	2830	2834	2840	rVB3	908021	1701479	1.61%	0.155%
80	19.909	2871	2877	2885	rBV2	2290956	5255802	4.98%	0.478%
81	20.045	2896	2900	2903	rVV3	2259601	4285900	4.06%	0.390%
82	20.080	2903	2906	2910	rVB	3905360	5208017	4.93%	0.474%
83	20.180	2919	2923	2928	rBV	2396234	3122791	2.96%	0.284%
84	20.239	2929	2933	2937	rVB	3185744	3774856	3.57%	0.343%
85	20.380	2952	2957	2961	rBV	2373641	3061510	2.90%	0.278%
86	20.427	2961	2965	2972	rVB	2754334	3502477	3.32%	0.319%
87	20.827	3030	3033	3039	rVB	1751452	2401452	2.27%	0.218%
88	20.986	3057	3060	3063	rVB2	921267	1072053	1.02%	0.097%
89	21.027	3063	3067	3071	rVB	2355277	2752955	2.61%	0.250%
90	21.127	3081	3084	3089	rVB	2151681	2774720	2.63%	0.252%
91	21.333	3114	3119	3124	rBV	8298168	13950381	13.21%	1.269%
92	21.386	3124	3128	3133	rVB	8051337	10667012	10.10%	0.970%
93	21.556	3153	3157	3161	rBV	2094702	2786377	2.64%	0.253%
94	21.898	3209	3215	3221	rVV	2638902	4594057	4.35%	0.418%
95	21.950	3221	3224	3230	rVB	1252093	1621502	1.54%	0.147%
96	22.098	3246	3249	3252	rBV2	1018729	1549961	1.47%	0.141%
97	22.950	3388	3394	3406	rVB	2798712	8044631	7.62%	0.732%
98	23.121	3419	3423	3434	rVB	926622	1773515	1.68%	0.161%
99	23.433	3472	3476	3481	rBV	1373750	2337439	2.21%	0.213%
100	23.539	3489	3494	3499	rVB2	1953438	3457720	3.27%	0.314%

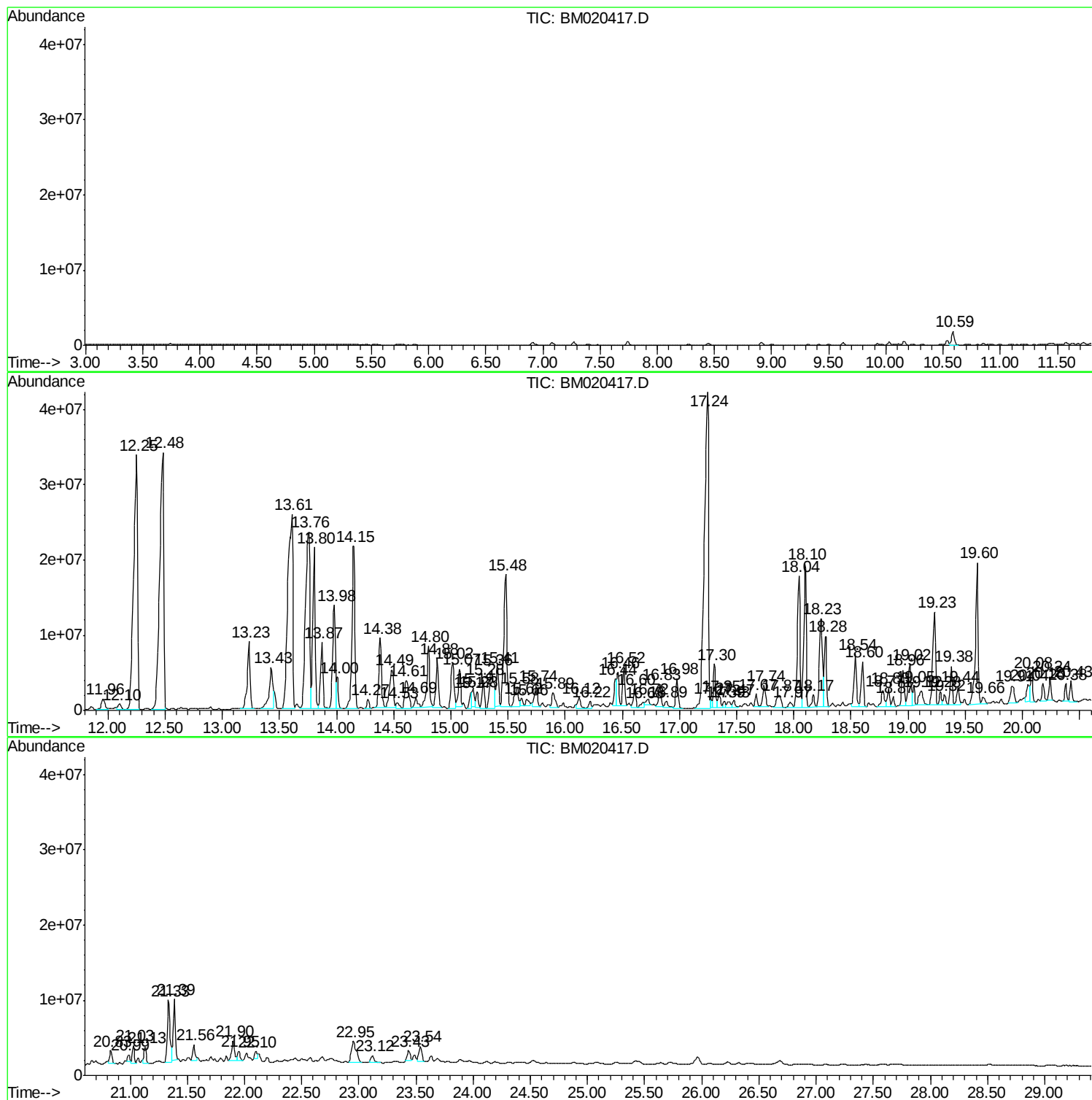
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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



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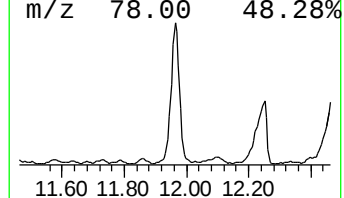
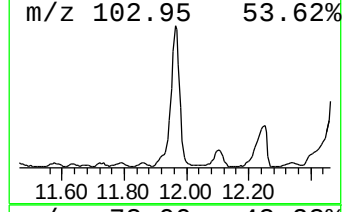
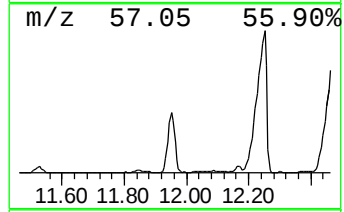
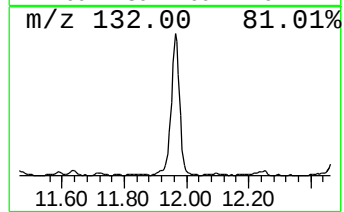
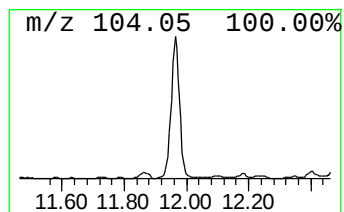
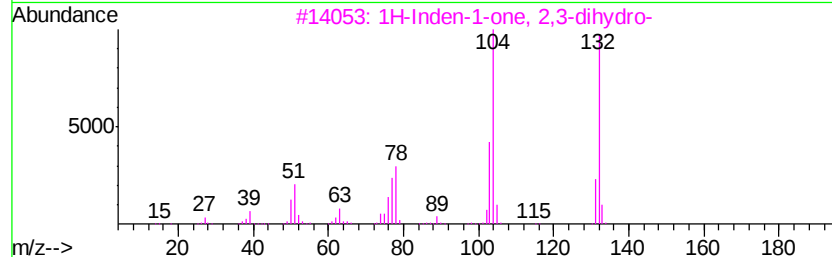
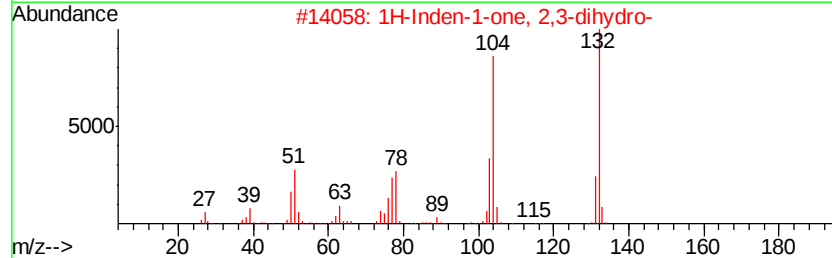
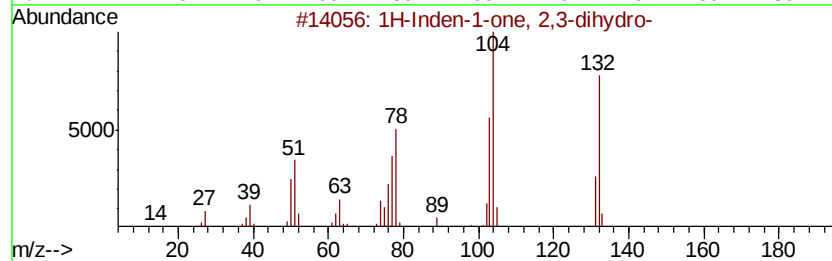
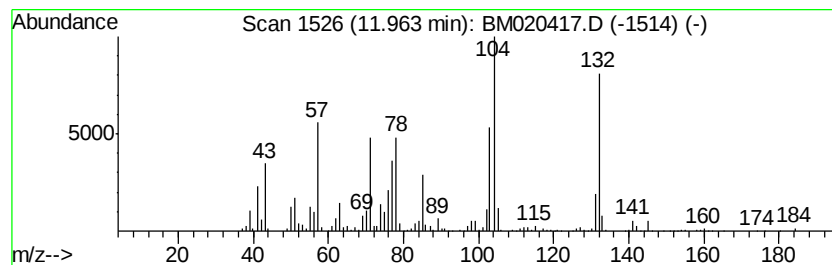
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 1H-Inden-1-one, 2,3-dihydro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	21.50 ng/ul	3223900	Napthalene-d8	10.53
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1H-Inden-1-one, 2,3-dihydro-	132 C9H8O	000083-33-0	90
2	1H-Inden-1-one, 2,3-dihydro-	132 C9H8O	000083-33-0	78
3	1H-Inden-1-one, 2,3-dihydro-	132 C9H8O	000083-33-0	50
4	Styrene	104 C8H8	000100-42-5	50
5	Styrene	104 C8H8	000100-42-5	50



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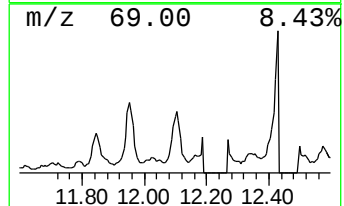
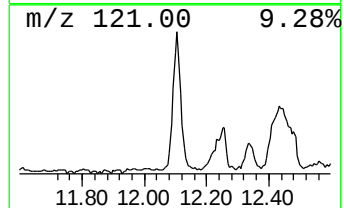
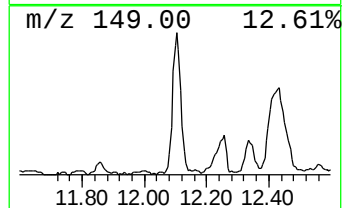
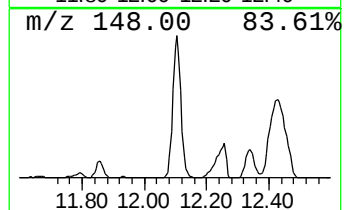
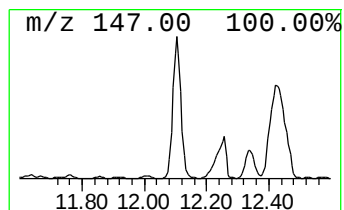
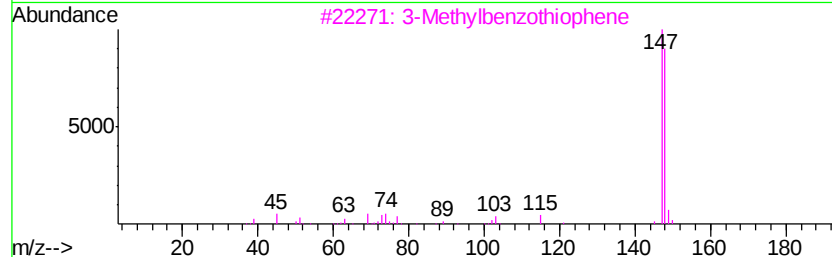
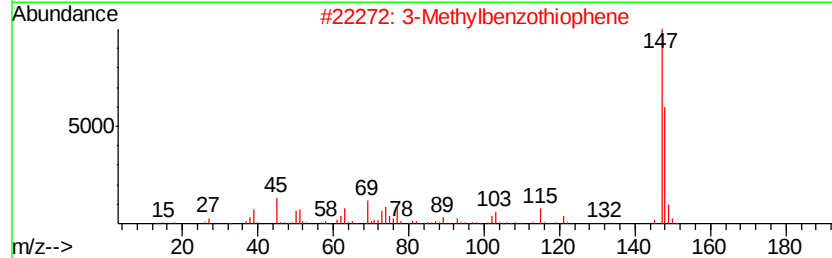
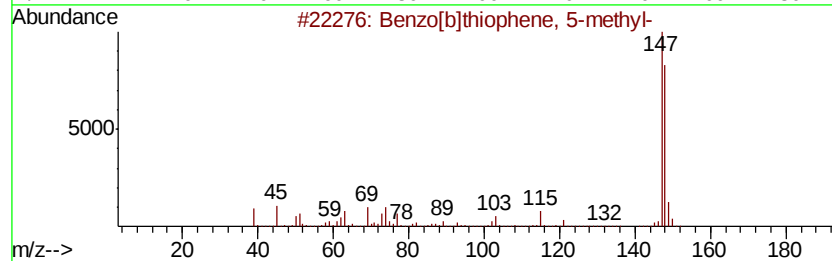
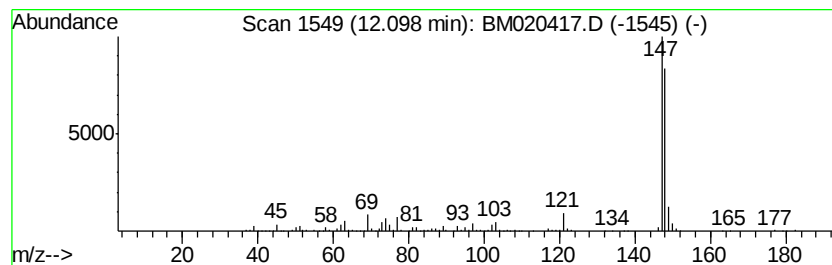
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzo[b]thiophene, 5-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	9.36 ng/ul	1403090	Naphthalene-d8	10.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	87
2		3-Methylbenzothiophene	148	C9H8S	001455-18-1	87
3		3-Methylbenzothiophene	148	C9H8S	001455-18-1	87
4		Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	86
5		Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	86



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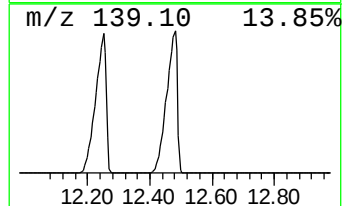
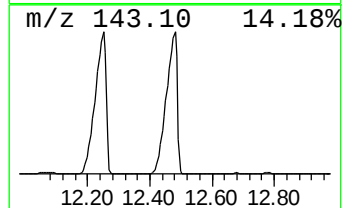
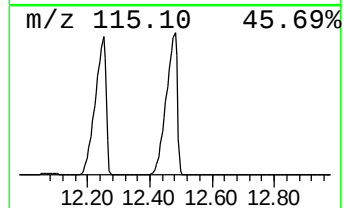
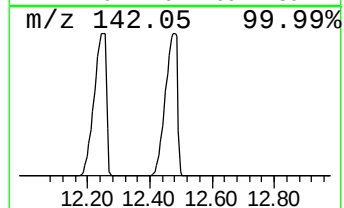
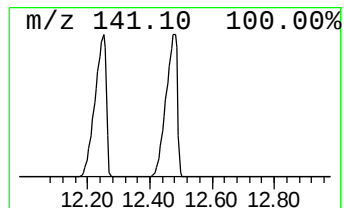
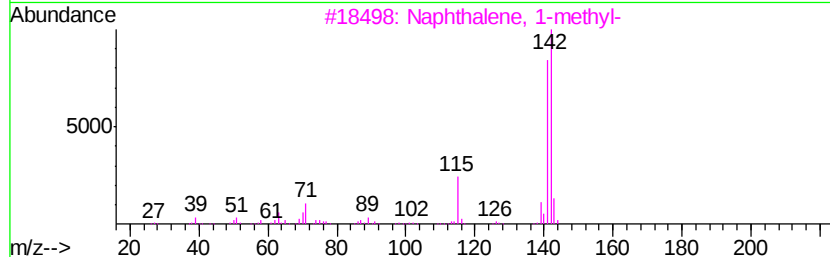
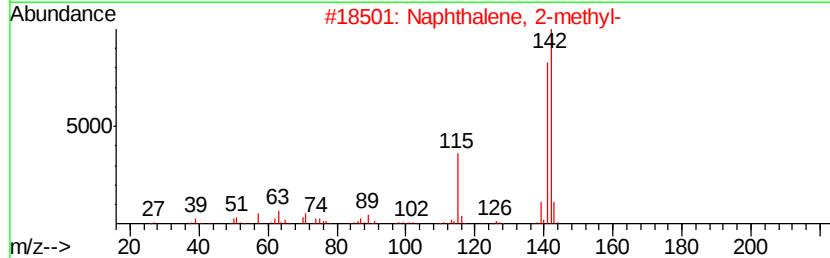
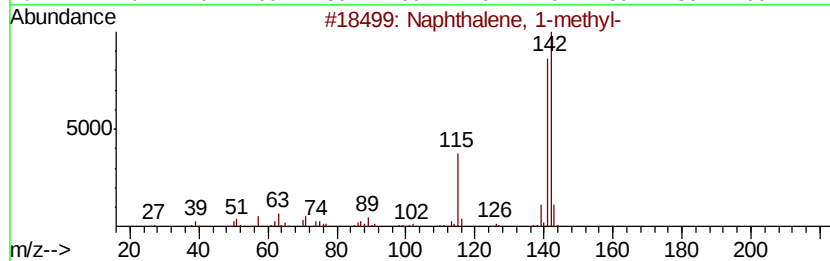
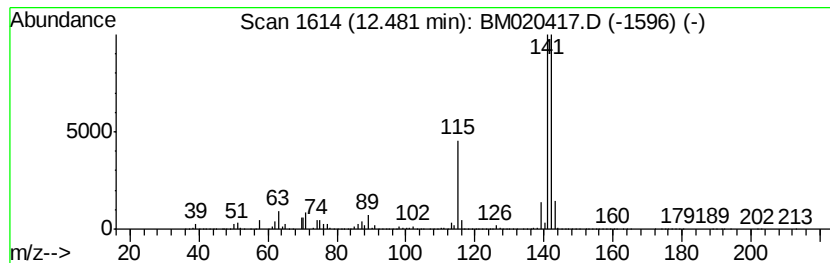
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	117.30 ng/ul	86356800	Acenaphthene-d10	14.40
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1-methyl-	142 C11H10	000090-12-0 96
2		Naphthalene, 2-methyl-	142 C11H10	000091-57-6 96
3		Naphthalene, 1-methyl-	142 C11H10	000090-12-0 94
4		Naphthalene, 1-methyl-	142 C11H10	000090-12-0 94
5		1H-Indene, 1-ethylidene-	142 C11H10	002471-83-2 94



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020417.D
Acq On : 19 May 2019 02:17
Operator : JU/SJ
Sample : K2633-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

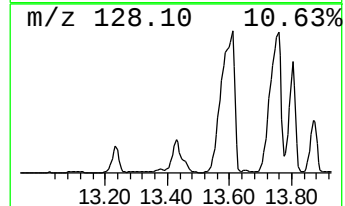
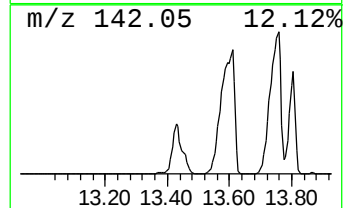
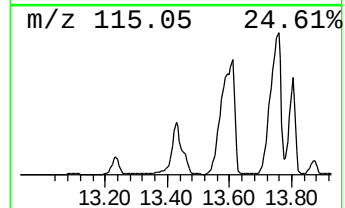
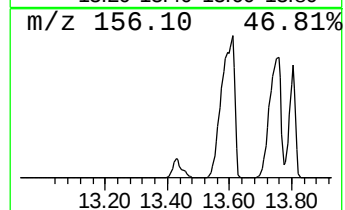
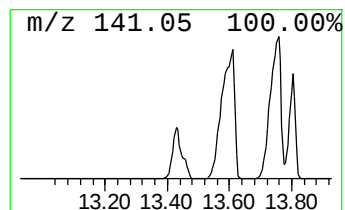
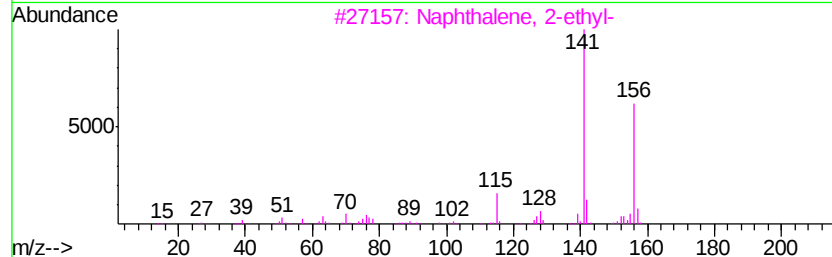
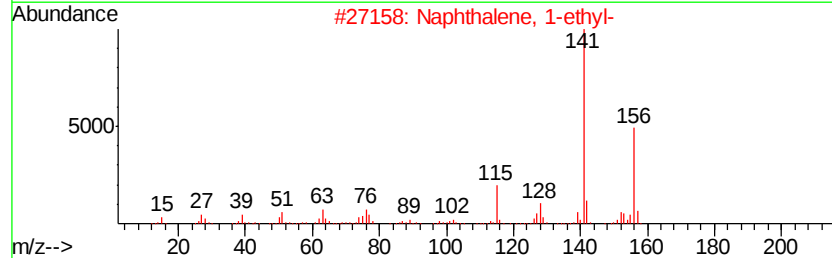
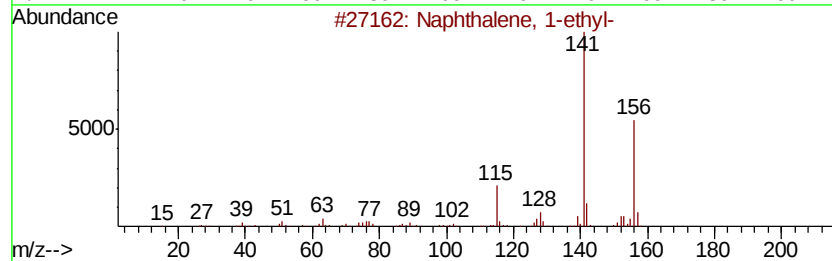
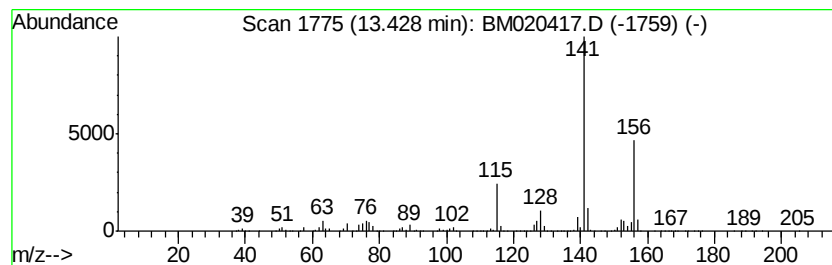
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.43	16.93 ng/ul	12465400	Acenaphthene-d10	14.40	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020417.D
Acq On : 19 May 2019 02:17
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Sample : K2633-04
Misc :
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Instrument :
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ClientSampleId :
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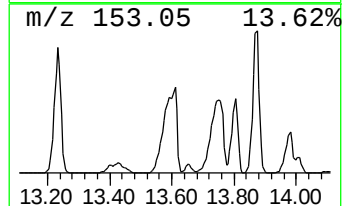
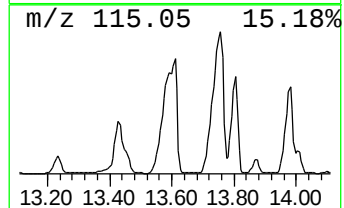
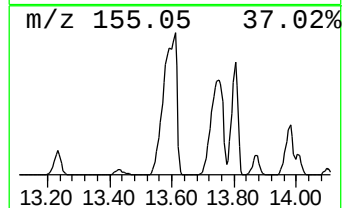
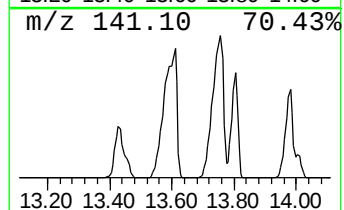
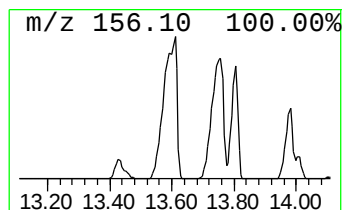
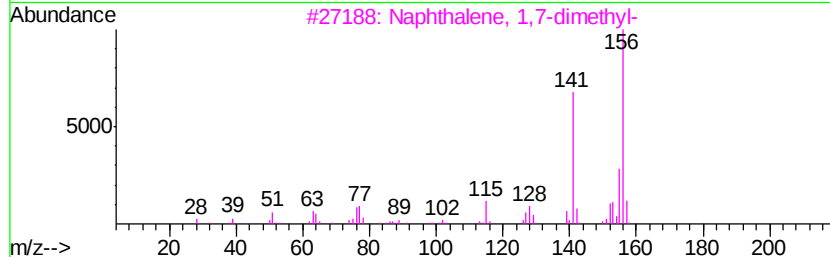
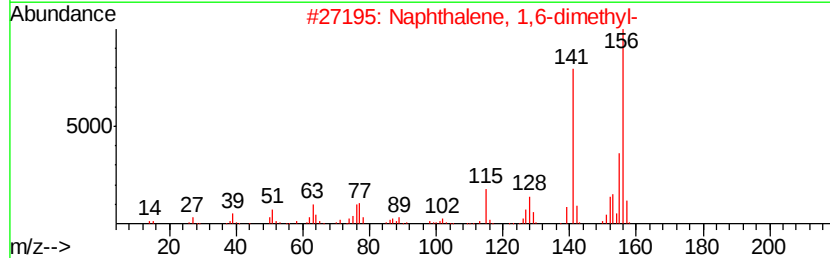
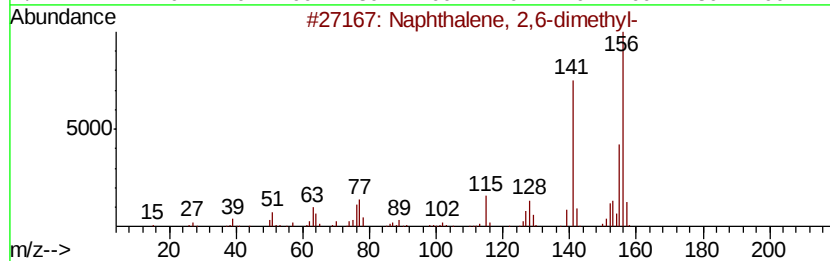
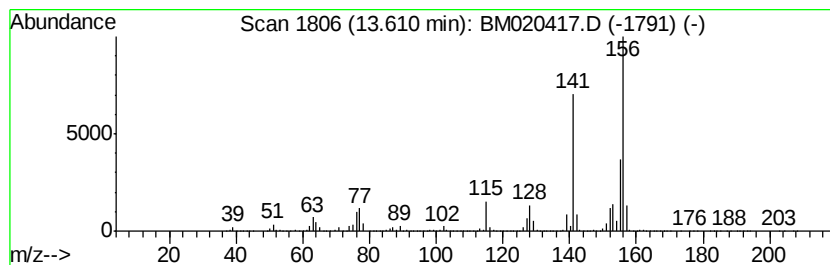
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Naphthalene, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.61	103.70 ng/ul	76344600	Acenaphthene-d10	14.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020417.D
Acq On : 19 May 2019 02:17
Operator : JU/SJ
Sample : K2633-04
Misc :
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Instrument :
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ClientSampleId :
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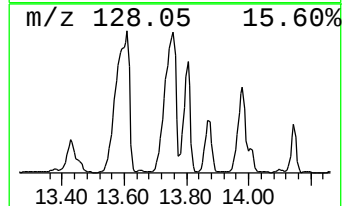
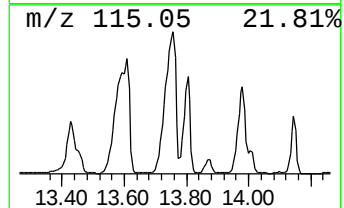
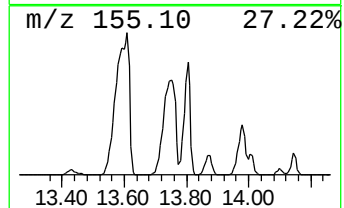
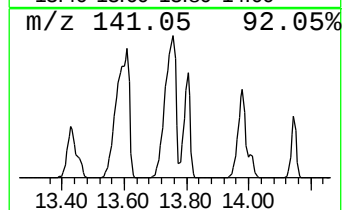
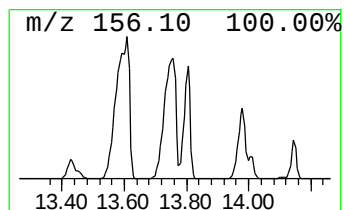
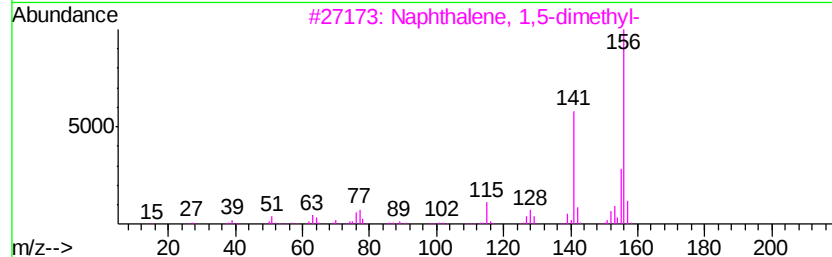
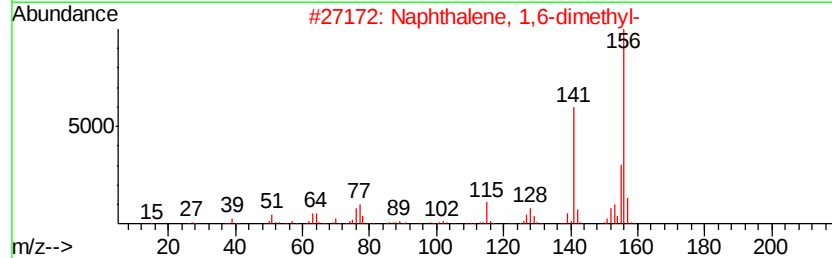
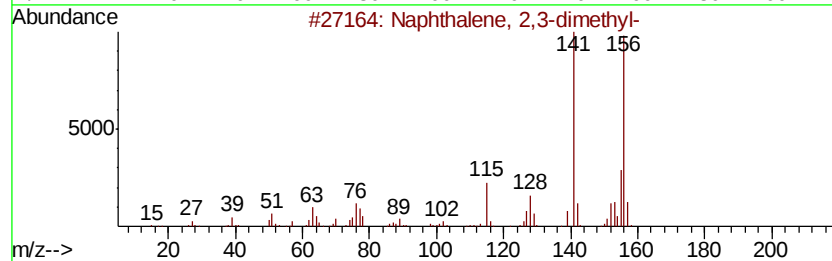
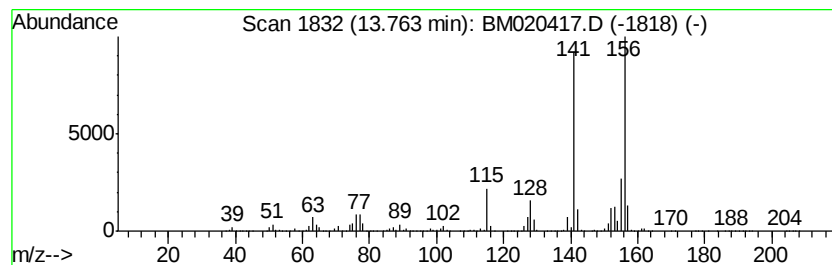
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	81.68 ng/ul	60138400	Acenaphthene-d10	14.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020417.D
Acq On : 19 May 2019 02:17
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Sample : K2633-04
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Instrument :
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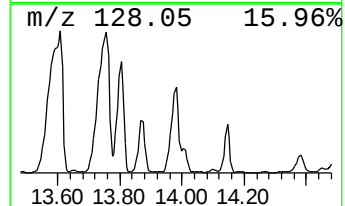
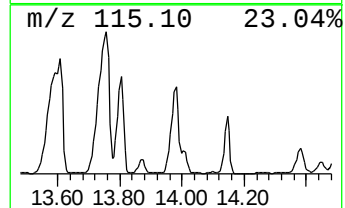
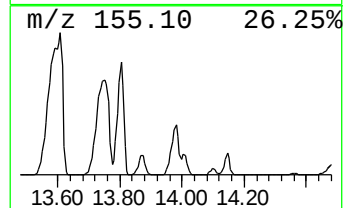
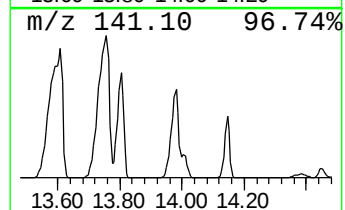
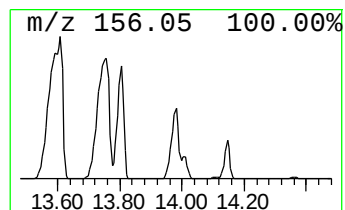
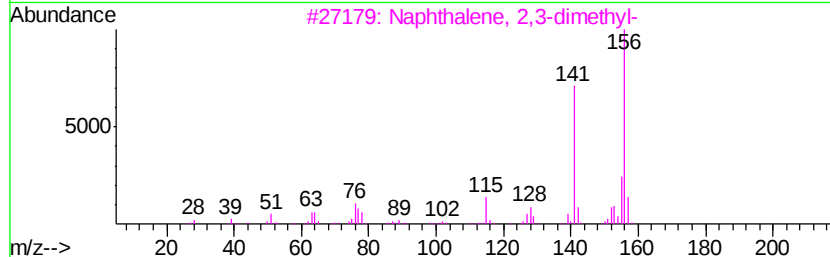
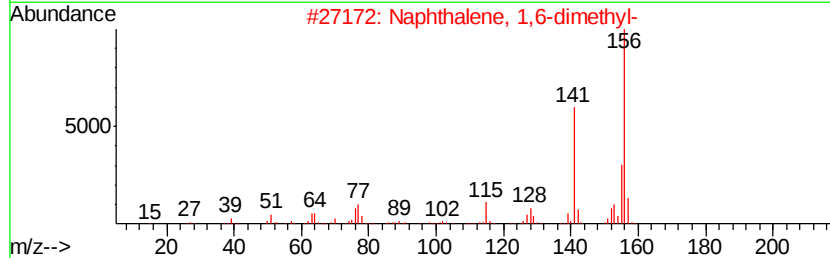
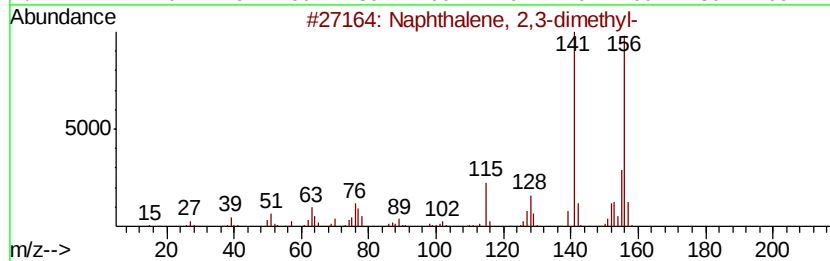
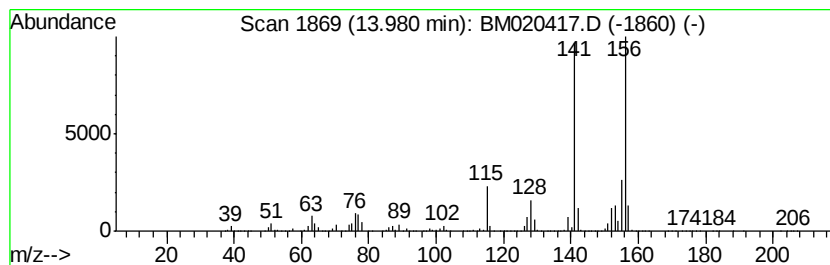
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Naphthalene, 1,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	32.21 ng/ul	23710500	Acenaphthene-d10	14.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	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, 2,3-dimethyl-	156	C12H12	000581-40-8	96



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020417.D
Acq On : 19 May 2019 02:17
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Misc :
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ClientSampleId :
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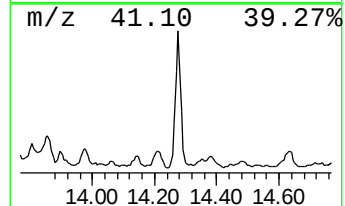
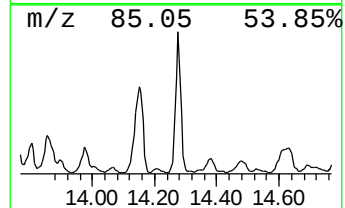
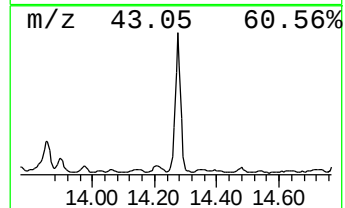
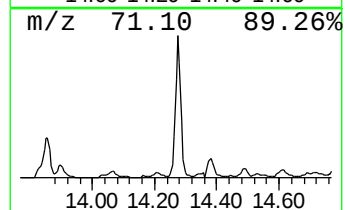
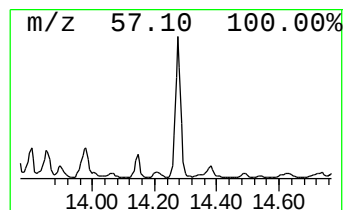
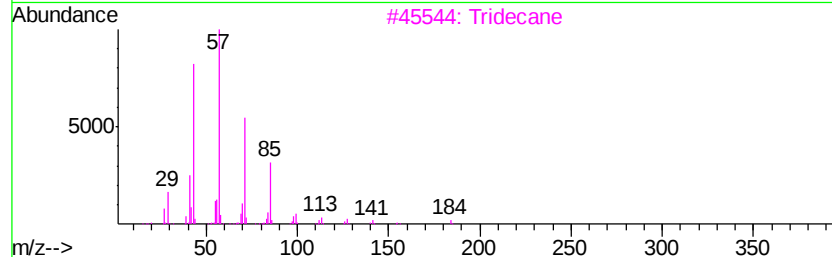
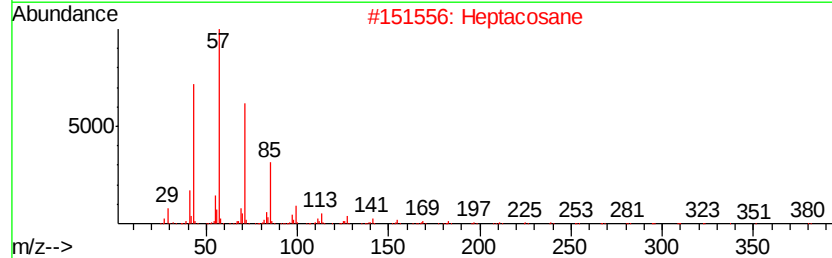
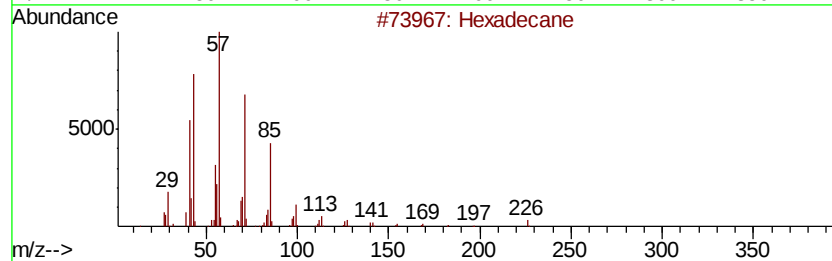
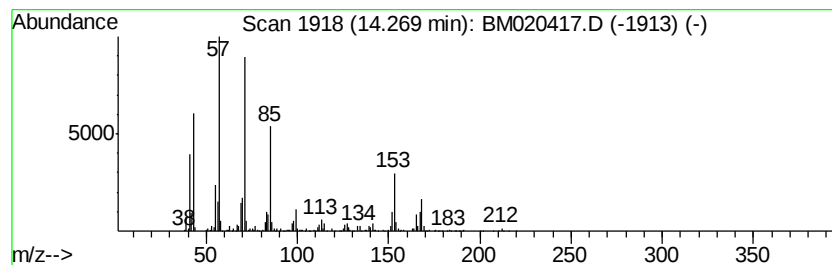
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	2.30 ng/ul	1695860	Acenaphthene-d10	14.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane	226	C16H34	000544-76-3	72
2			Heptacosane	380	C27H56	000593-49-7	53
3			Tridecane	184	C13H28	000629-50-5	53
4			Pentadecane	212	C15H32	000629-62-9	50
5			Pentadecane	212	C15H32	000629-62-9	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020417.D
Acq On : 19 May 2019 02:17
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Sample : K2633-04
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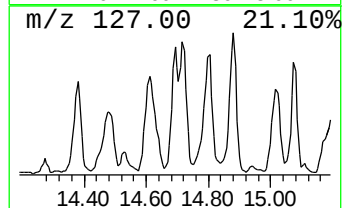
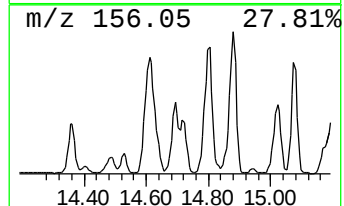
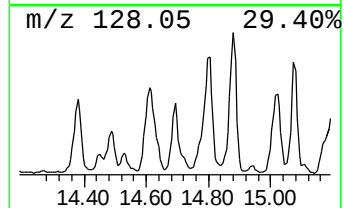
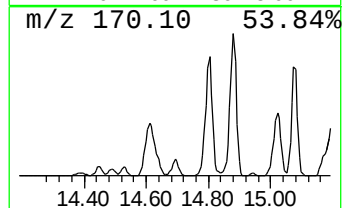
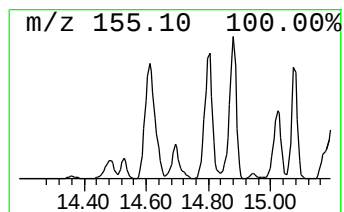
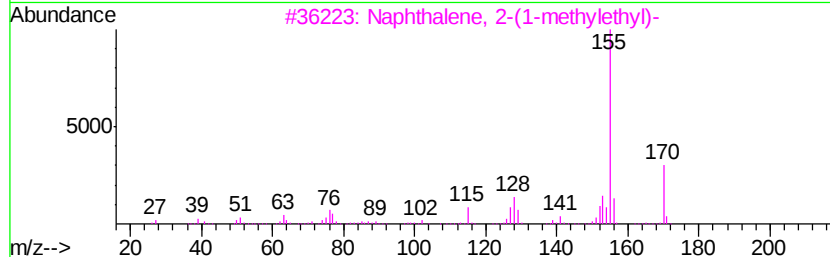
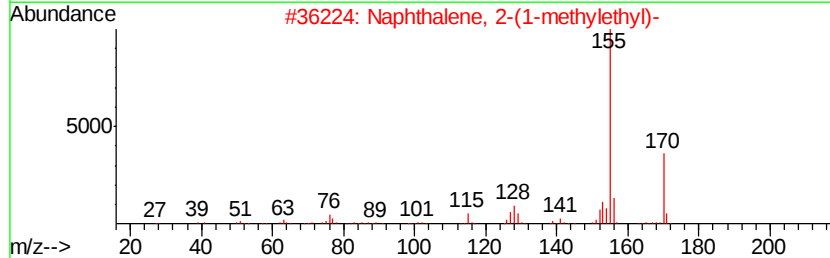
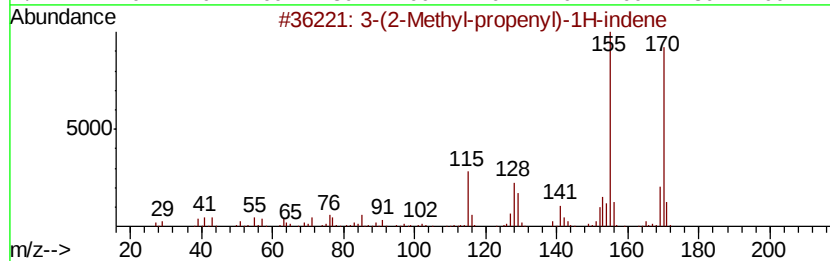
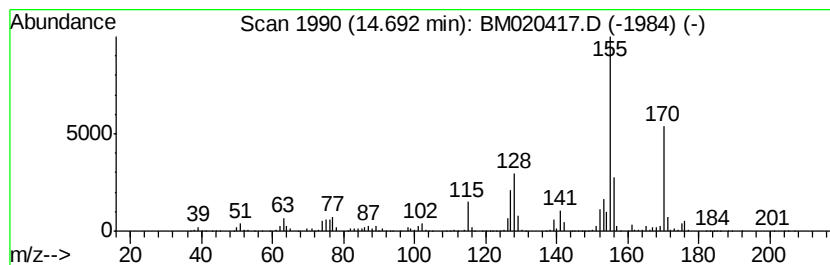
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 3-(2-Methyl-propenyl)-1H-in... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	3.78 ng/ul	2785370	Acenaphthene-d10	14.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	81
2			Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	68
3			Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	64
4			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	60
5			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020417.D
Acq On : 19 May 2019 02:17
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Sample : K2633-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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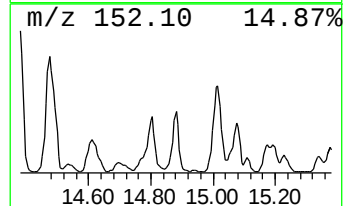
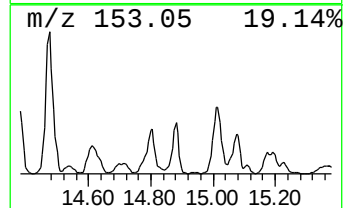
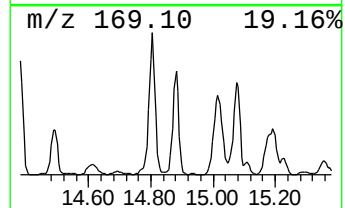
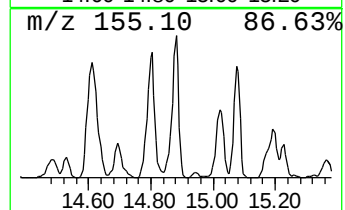
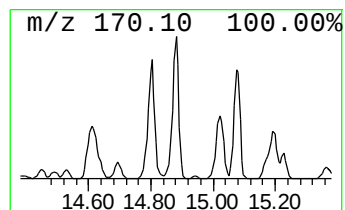
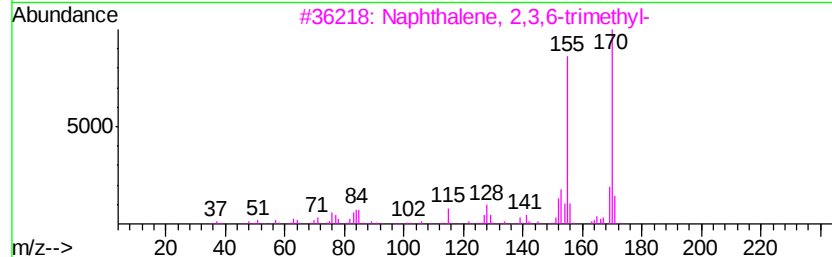
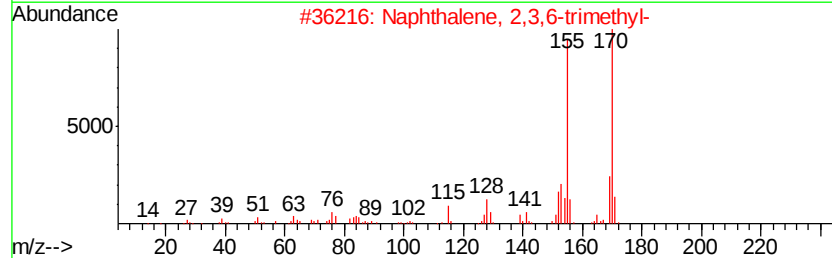
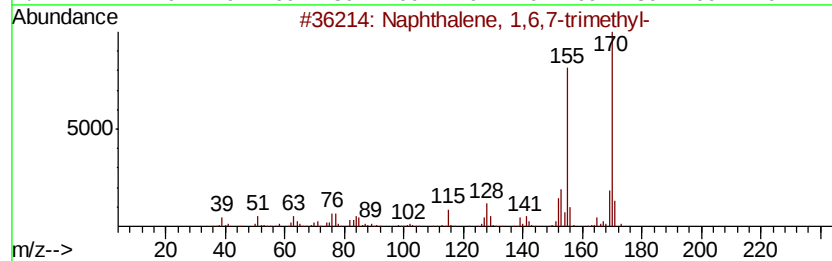
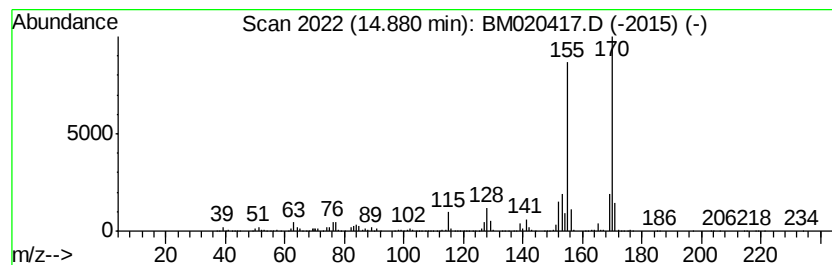
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 Naphthalene, 1,6,7-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	13.10 ng/ul	9640990	Acenaphthene-d10	14.40

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, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
4		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
5		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020417.D
Acq On : 19 May 2019 02:17
Operator : JU/SJ
Sample : K2633-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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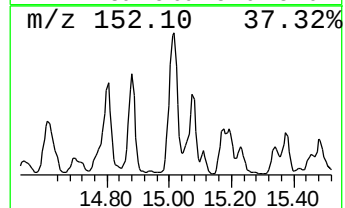
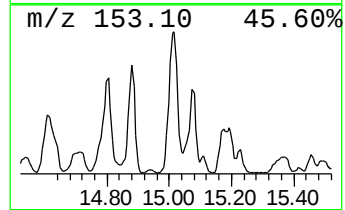
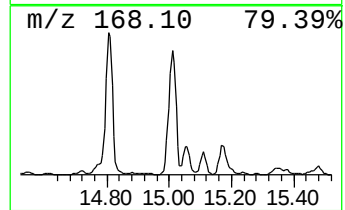
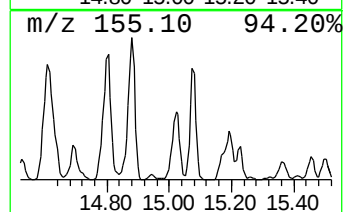
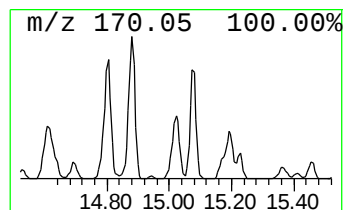
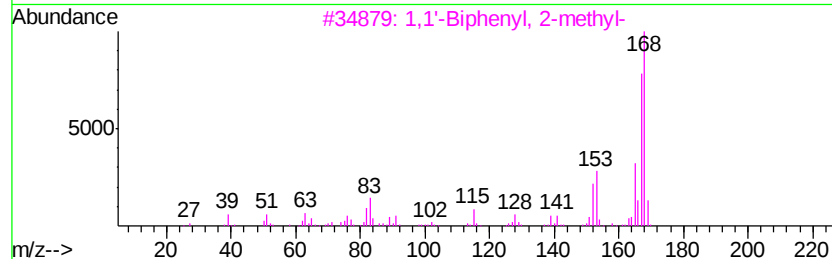
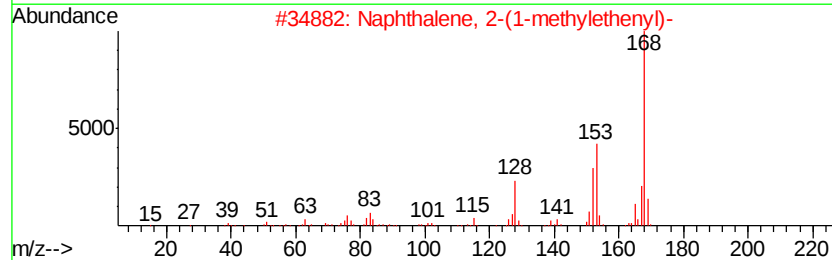
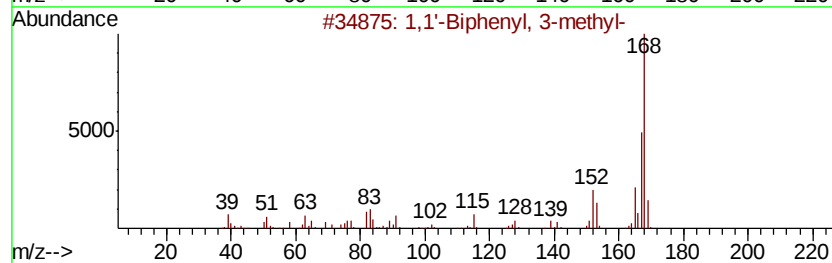
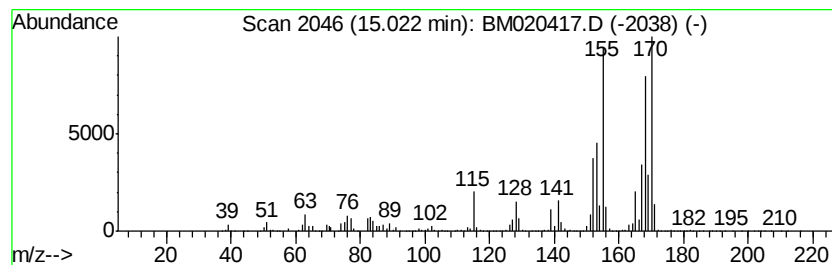
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 1,1'-Biphenyl, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	15.69 ng/ul	11554000	Acenaphthene-d10	14.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	50
2		Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	46
3		1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	41
4		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	38
5		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020417.D
Acq On : 19 May 2019 02:17
Operator : JU/SJ
Sample : K2633-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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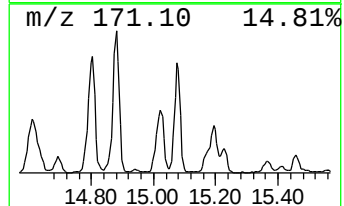
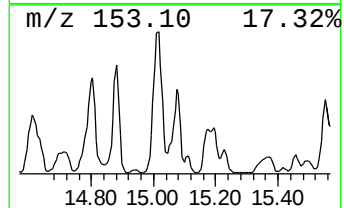
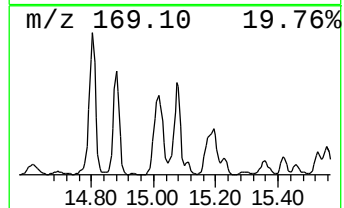
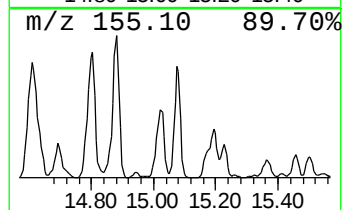
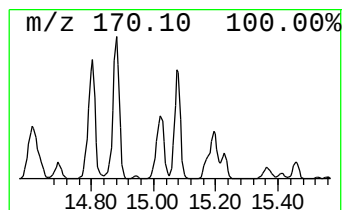
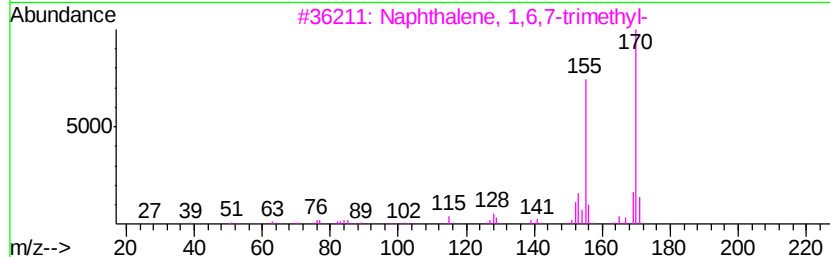
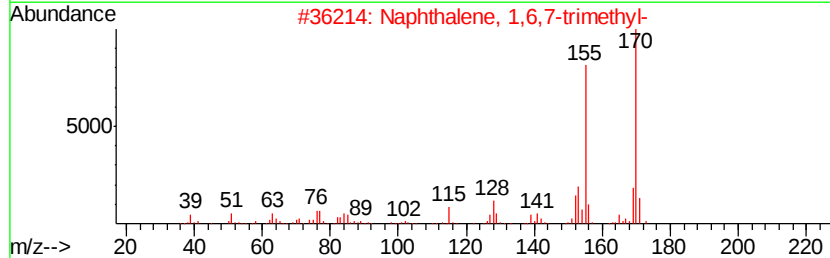
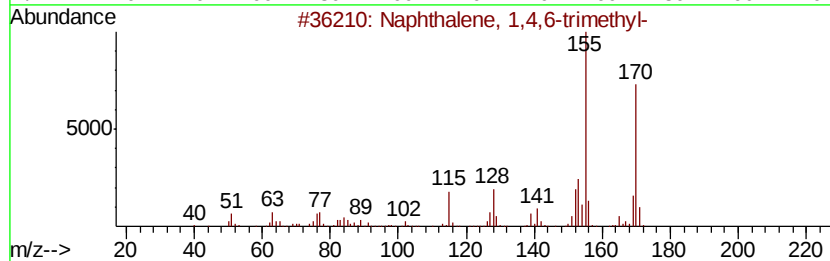
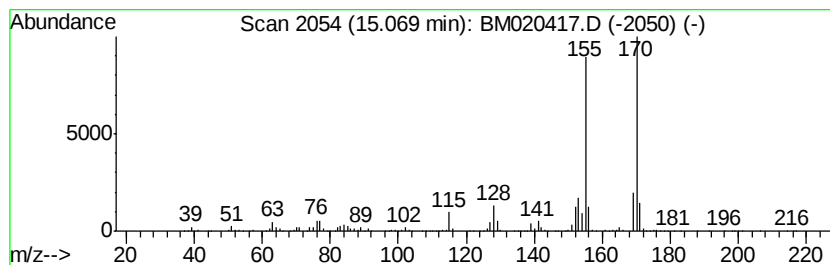
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 Naphthalene, 1,4,6-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	9.75 ng/ul	7180210	Acenaphthene-d10	14.40

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020417.D
Acq On : 19 May 2019 02:17
Operator : JU/SJ
Sample : K2633-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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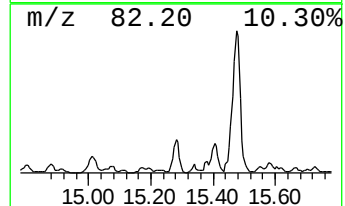
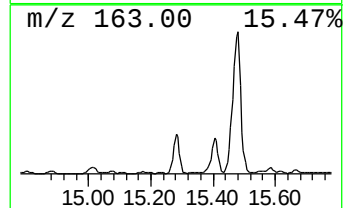
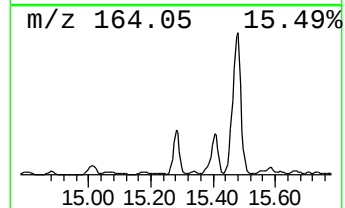
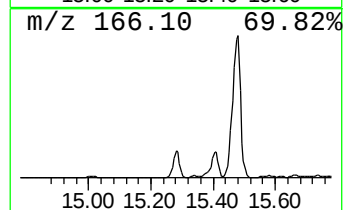
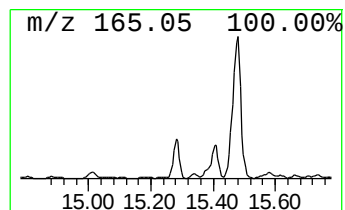
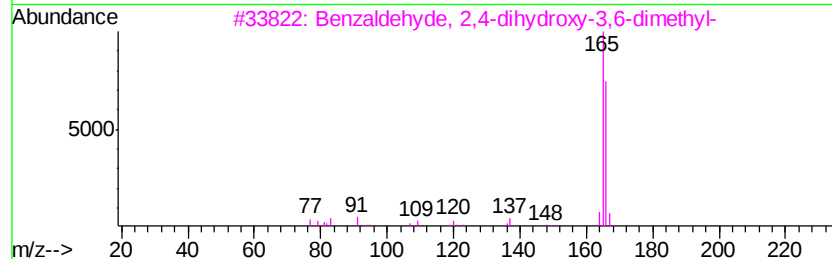
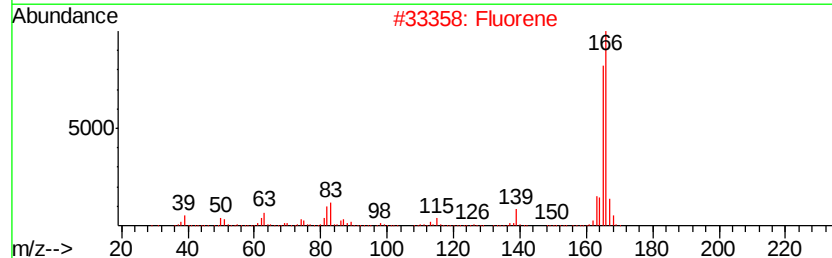
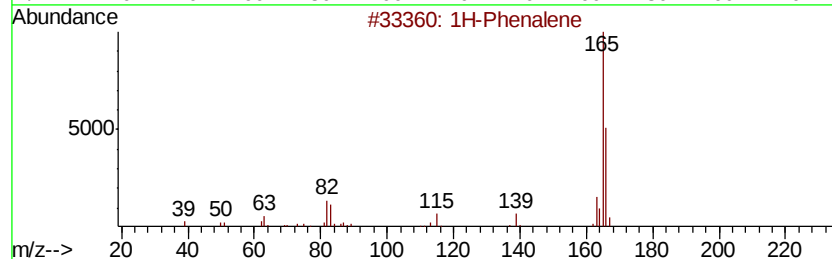
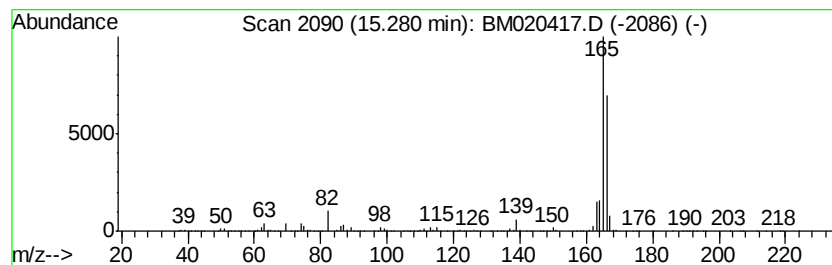
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 1H-Phenalene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.28	7.06 ng/ul	5199870	Acenaphthene-d10	14.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Phenalene	166	C13H10	000203-80-5	78
2			Fluorene	166	C13H10	000086-73-7	76
3			Benzaldehyde, 2,4-dihydroxy-3,6-dimethyl-	166	C9H10O3	034883-14-2	64
4			Fluorene	166	C13H10	000086-73-7	52
5			Fluorene	166	C13H10	000086-73-7	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020417.D
Acq On : 19 May 2019 02:17
Operator : JU/SJ
Sample : K2633-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

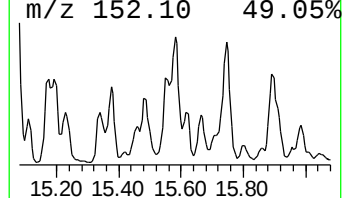
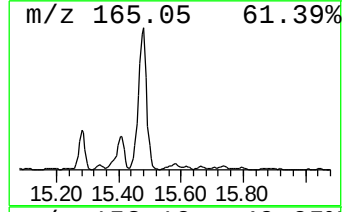
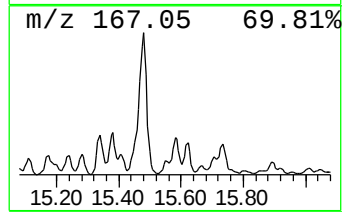
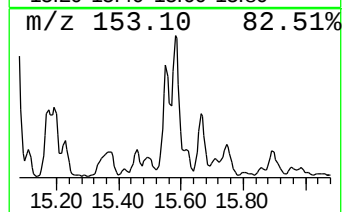
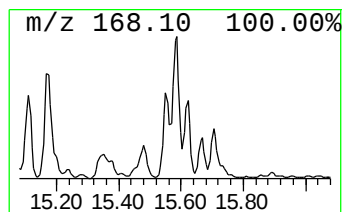
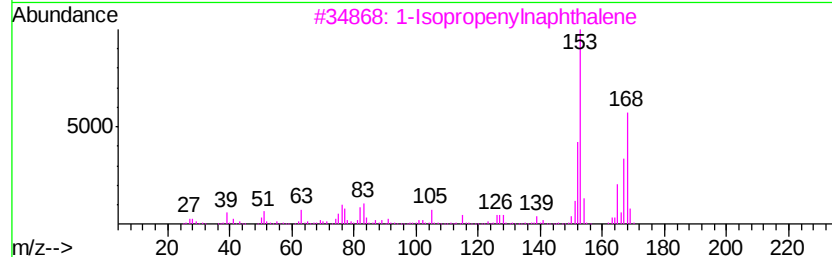
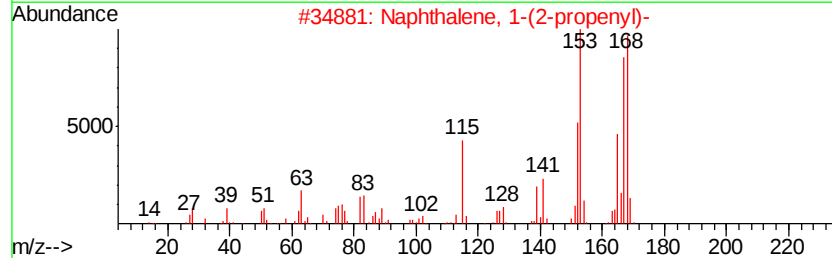
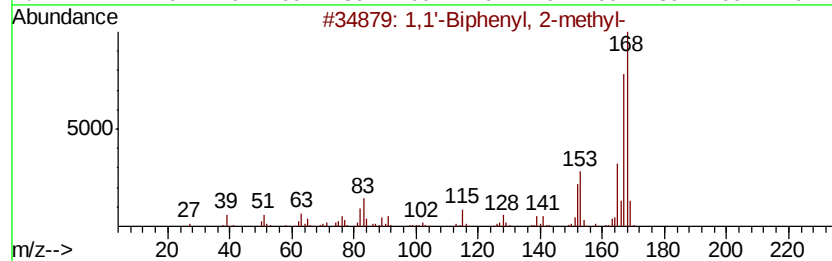
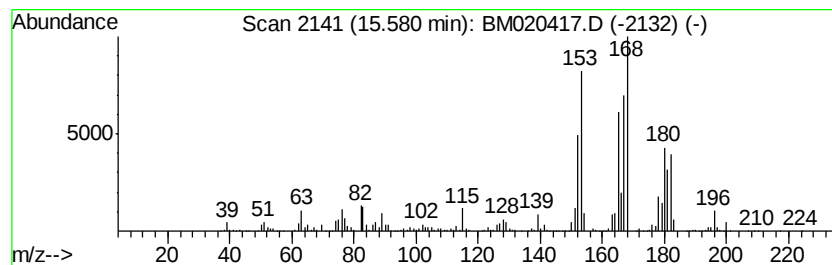
Instrument :
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ClientSampled :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 18 1,1'-Biphenyl, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.58	8.22 ng/ul	6055430	Acenaphthene-d10	14.40	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	78
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	60
3	1-Isopropenyl naphthalene	168	C13H12	001855-47-6	53
4	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	43
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020417.D
Acq On : 19 May 2019 02:17
Operator : JU/SJ
Sample : K2633-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

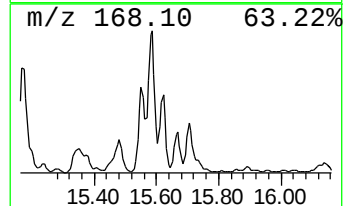
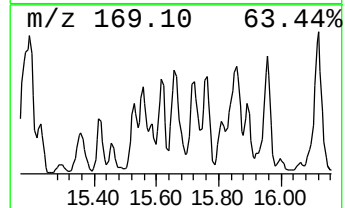
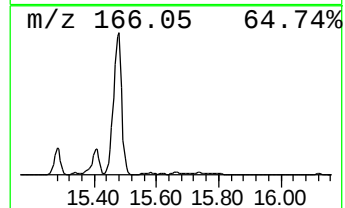
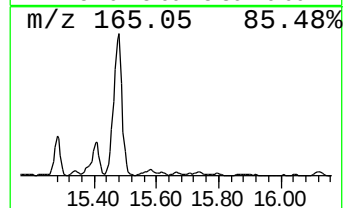
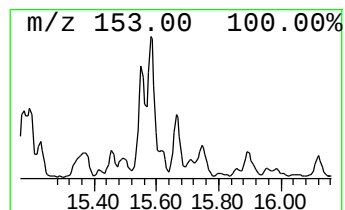
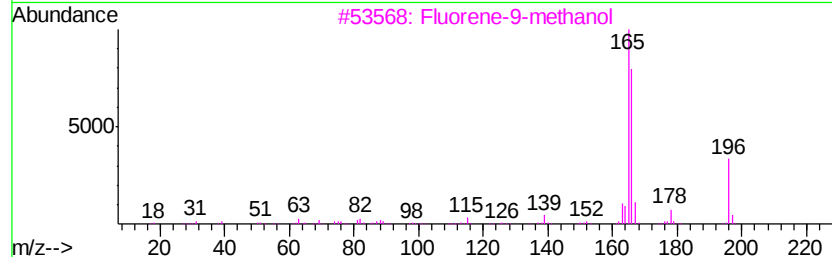
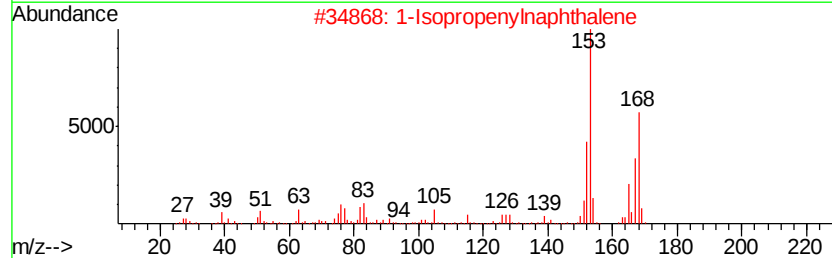
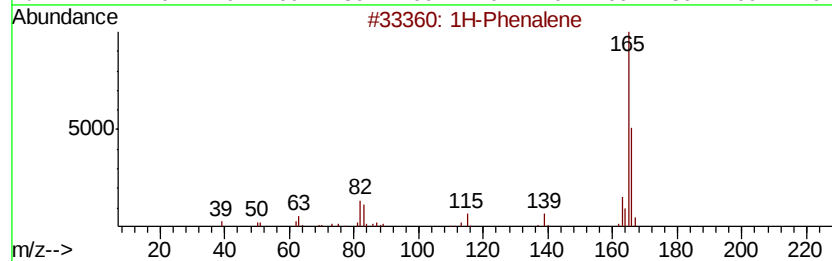
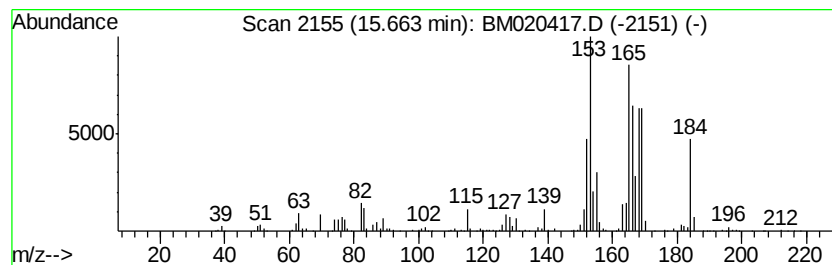
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 19 unknown-01 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	2.49 ng/ul	1831940	Acenaphthene-d10	14.40
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1H-Phenalene	166 C13H10	000203-80-5 35
2		1-Isopropenylnaphthalene	168 C13H12	001855-47-6 35
3		Fluorene-9-methanol	196 C14H12O	024324-17-2 35
4		Benzene, [1-(2,4-cyclopentadien-...	168 C13H12	002320-32-3 27
5		1,1,4,4-Tetramethyl-1,4-disilacy...	168 C8H16Si2	020627-53-6 25



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020417.D
Acq On : 19 May 2019 02:17
Operator : JU/SJ
Sample : K2633-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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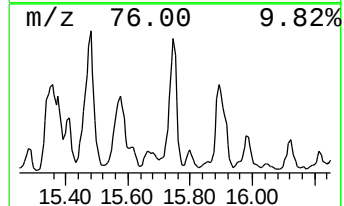
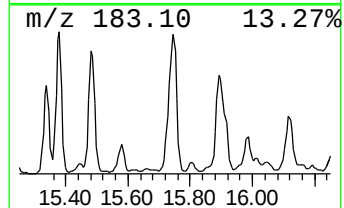
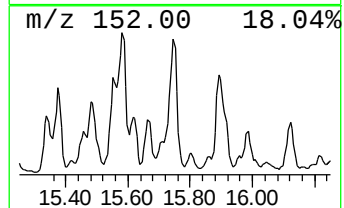
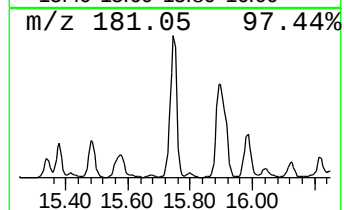
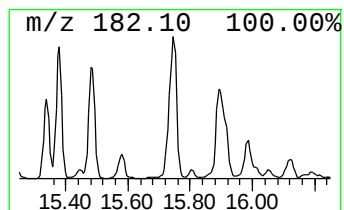
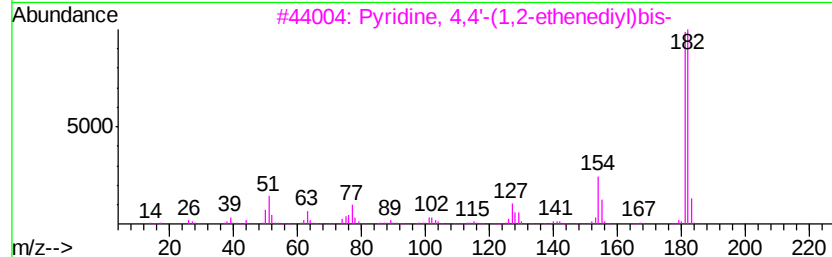
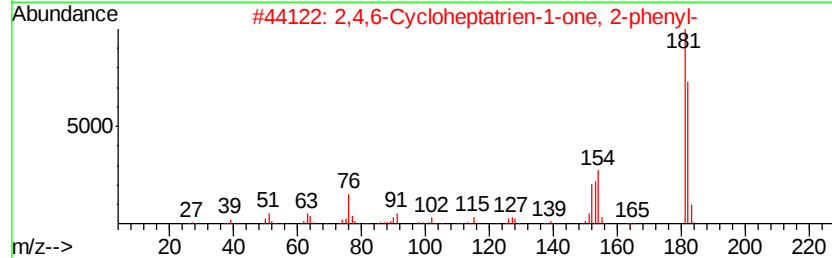
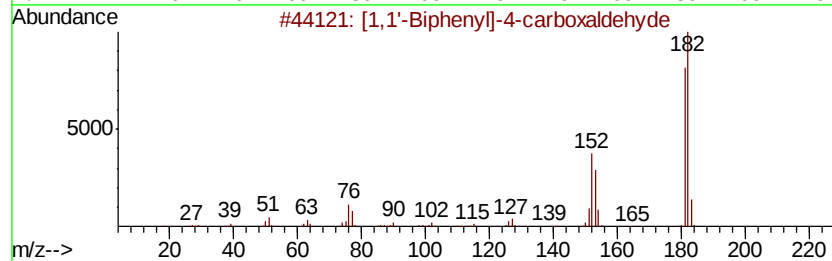
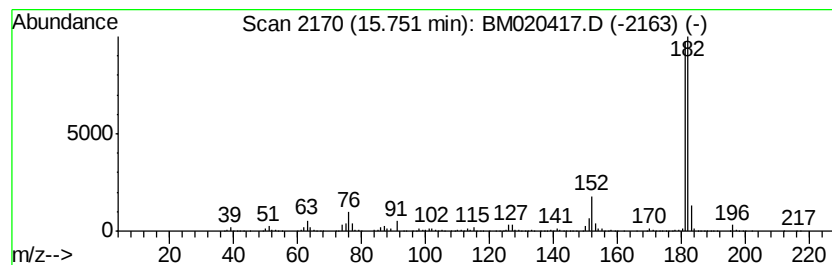
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.75	7.15 ng/ul	5264270	Acenaphthene-d10	14.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
2			2,4,6-Cycloheptatrien-1-one, 2-phenyl-	182	C13H10O	014562-09-5	78
3			Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	72
4			9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
5			Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	56



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020417.D
Acq On : 19 May 2019 02:17
Operator : JU/SJ
Sample : K2633-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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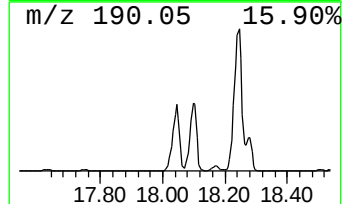
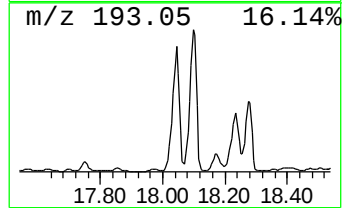
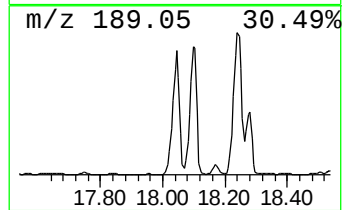
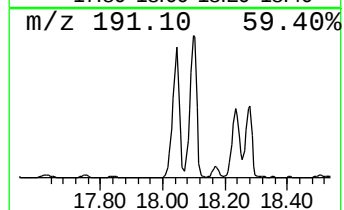
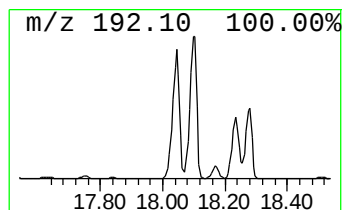
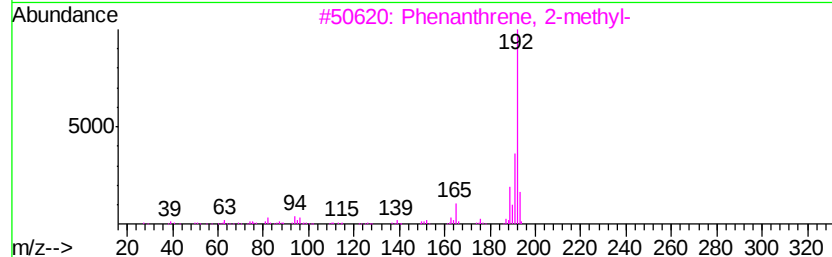
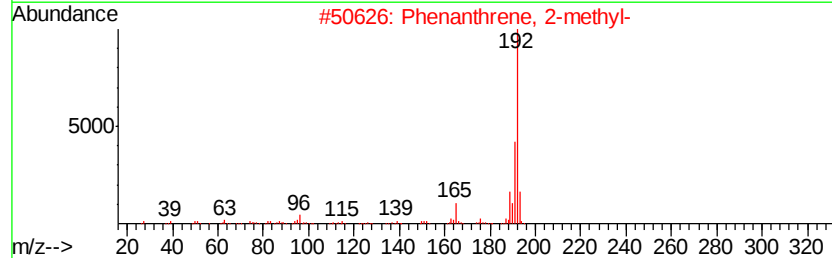
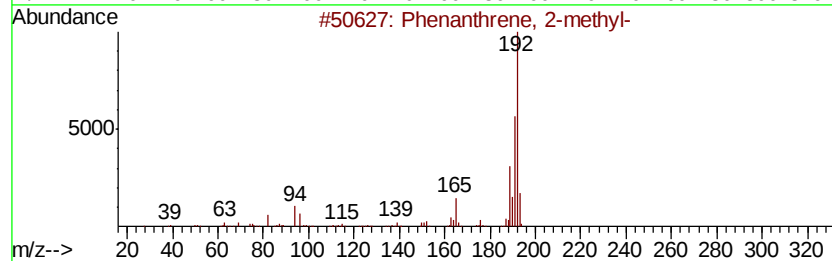
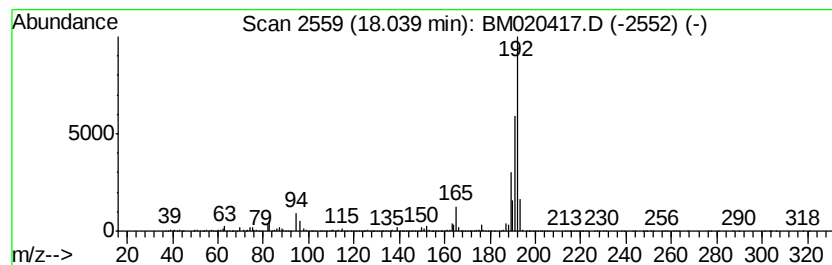
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 Phenanthrene, 2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	5.22 ng/ul	27554000	Phenanthrene-d10	17.17

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020417.D
Acq On : 19 May 2019 02:17
Operator : JU/SJ
Sample : K2633-04
Misc :
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Instrument :
BNA_M
ClientSampleId :
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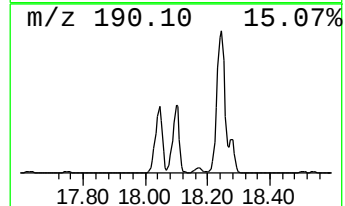
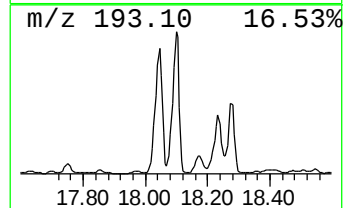
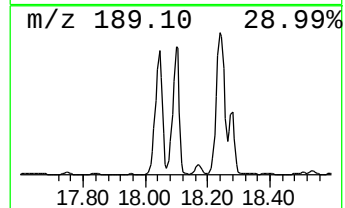
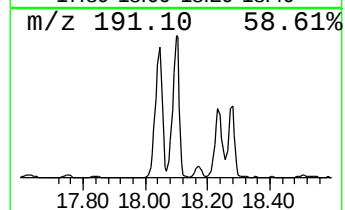
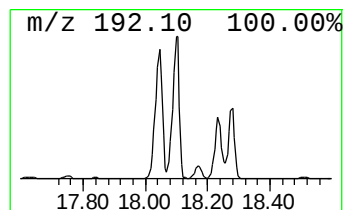
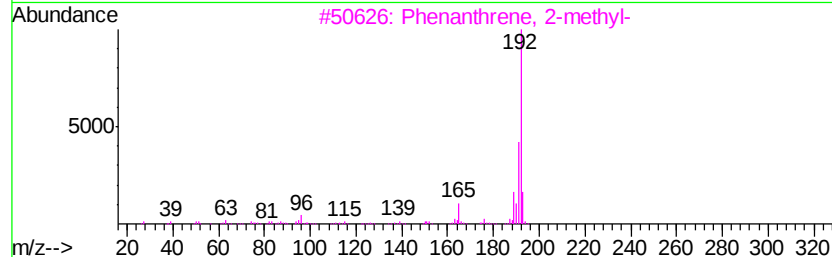
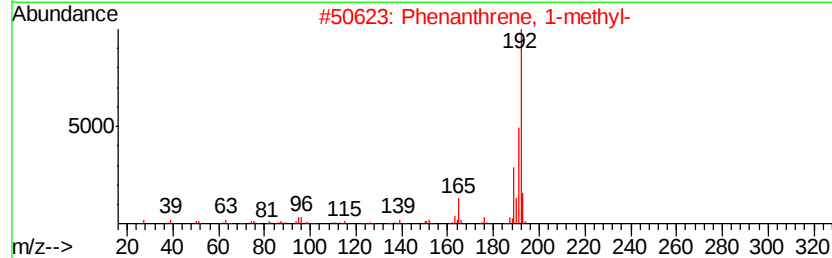
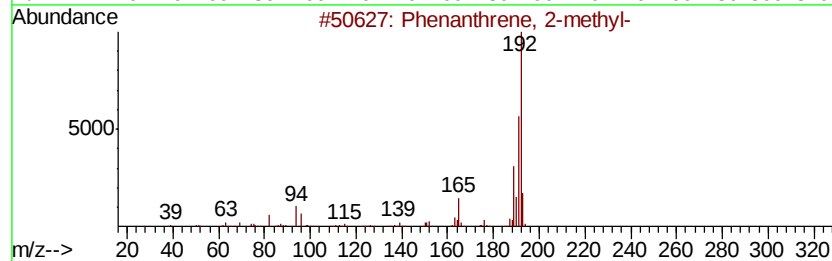
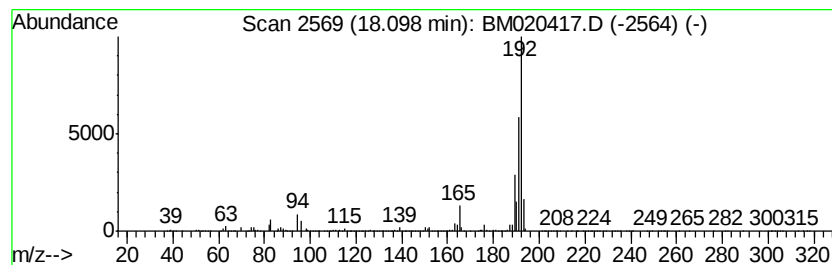
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 Phenanthrene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	5.33 ng/ul	28120200	Phenanthrene-d10	17.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5		1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	96



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020417.D
Acq On : 19 May 2019 02:17
Operator : JU/SJ
Sample : K2633-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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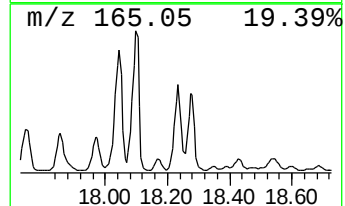
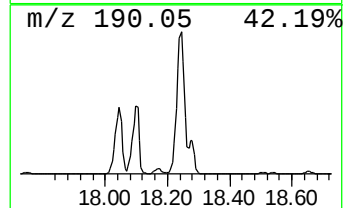
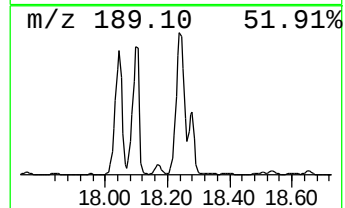
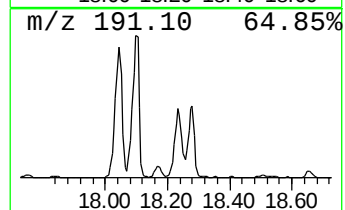
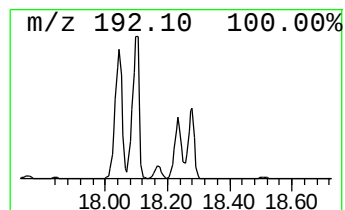
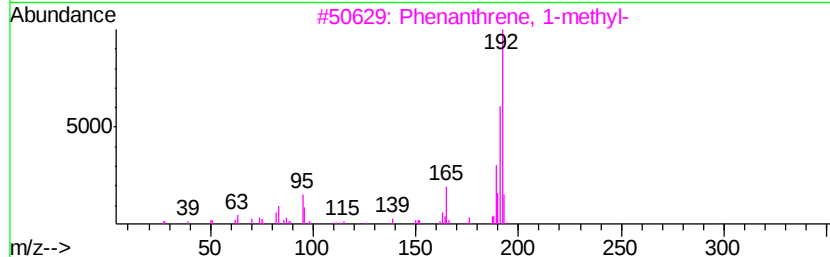
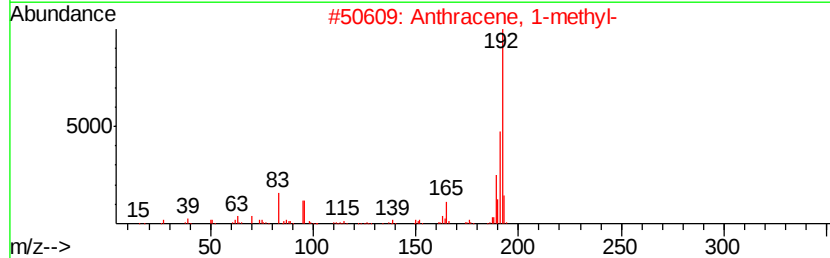
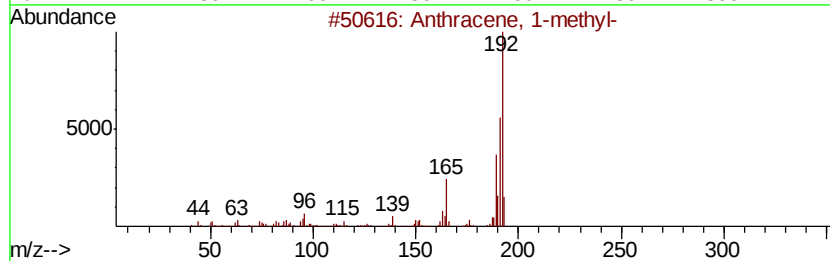
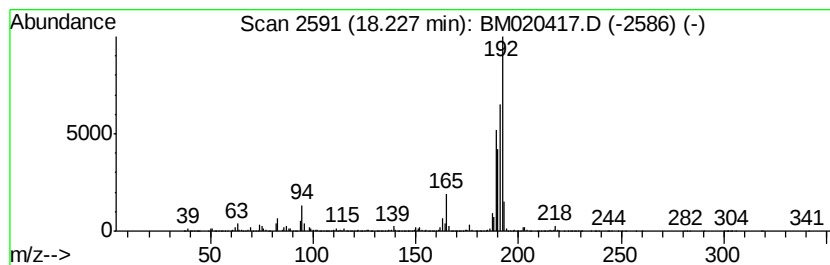
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 Anthracene, 1-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	4.34 ng/ul	22895600	Phenanthrene-d10	17.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	70
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
5		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	60



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020417.D
Acq On : 19 May 2019 02:17
Operator : JU/SJ
Sample : K2633-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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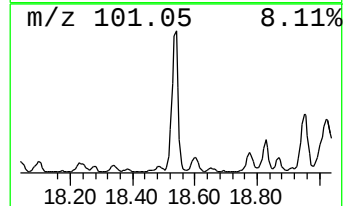
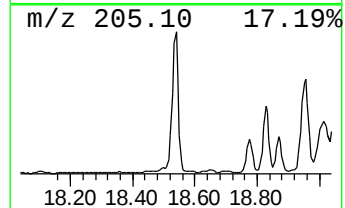
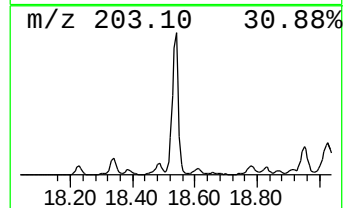
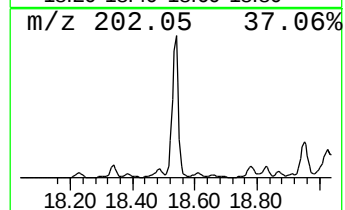
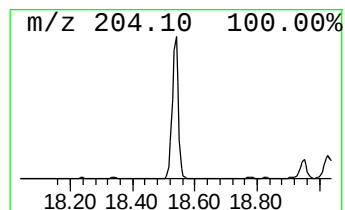
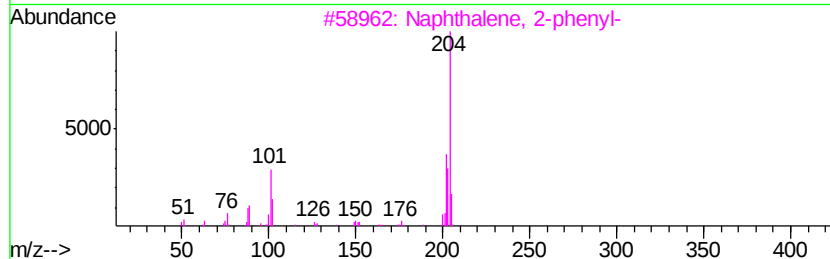
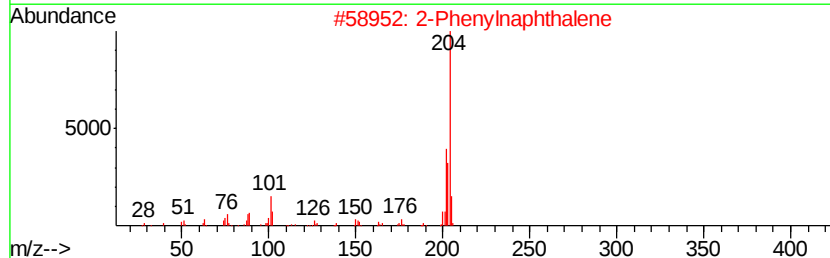
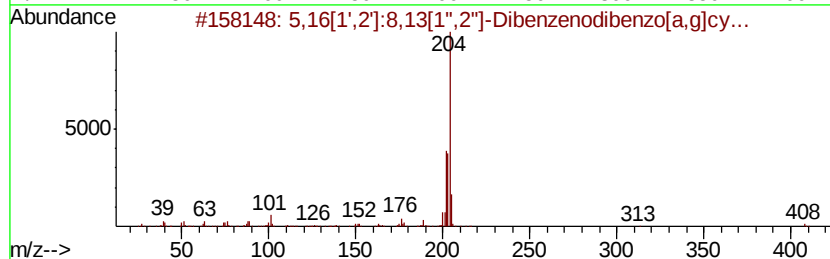
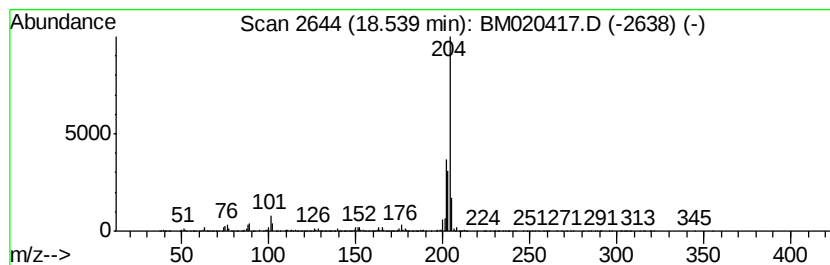
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	2.05 ng/ul	10817500	Phenanthrene-d10	17.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2		2-Phenylnaphthalene	204	C16H12	035465-71-5	90
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020417.D
Acq On : 19 May 2019 02:17
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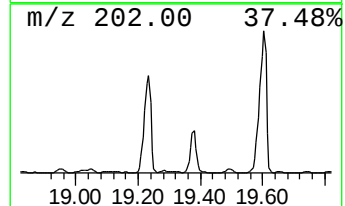
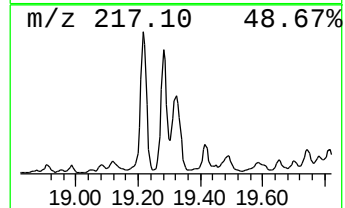
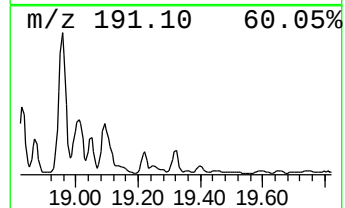
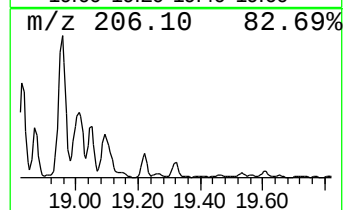
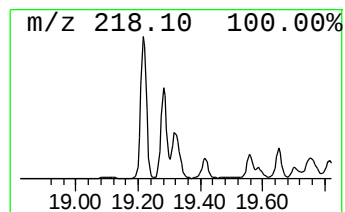
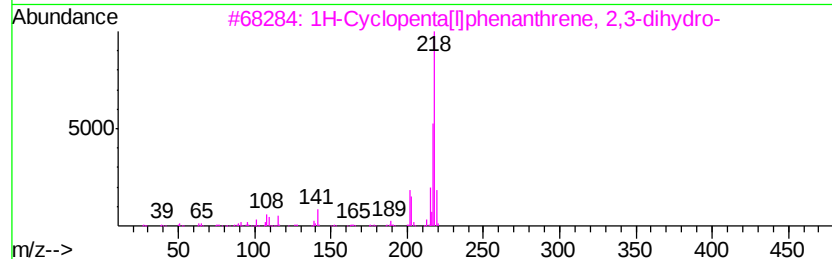
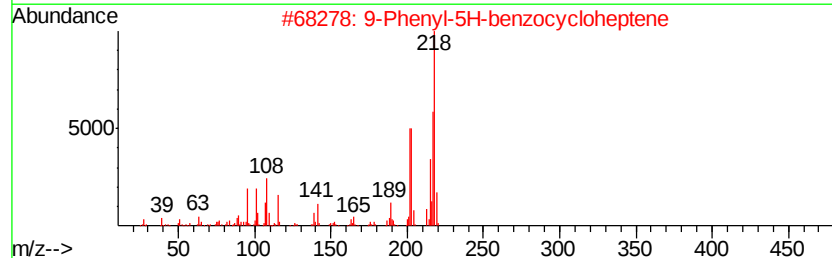
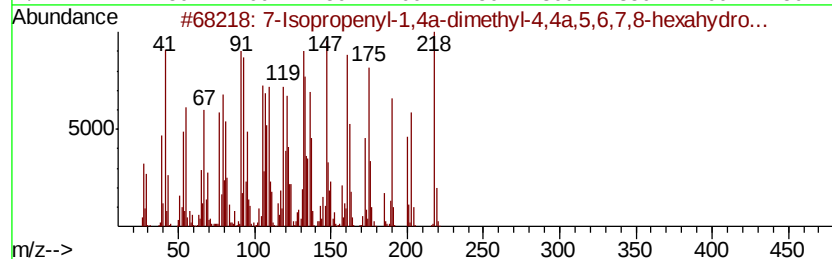
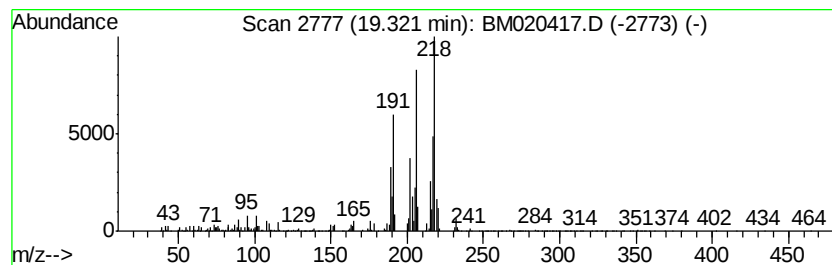
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Quant Title : SVOA CALIBRATION

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

Peak Number 26 unknown-02 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.32	2.98 ng/ul	2075280	Chrysene-d12	21.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	7-Isopropenyl-1,4a-dimethyl-4,4a...	218	C15H22O	000473-08-5	90
2		9-Phenyl-5H-benzocycloheptene	218	C17H14	138089-71-1	43
3		1H-Cyclopenta[1]phenanthrene, 2,...	218	C17H14	000723-98-8	41
4		Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	41
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020417.D
Acq On : 19 May 2019 02:17
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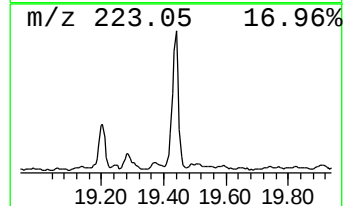
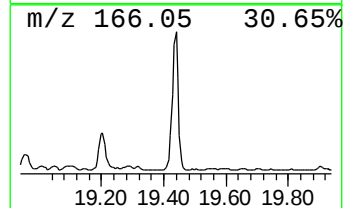
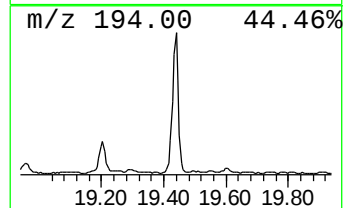
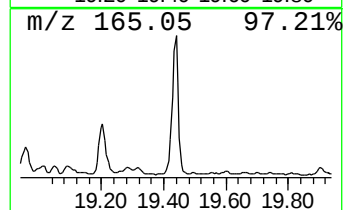
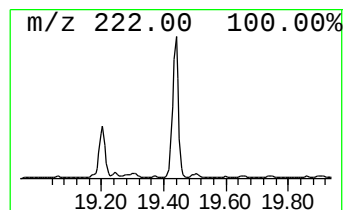
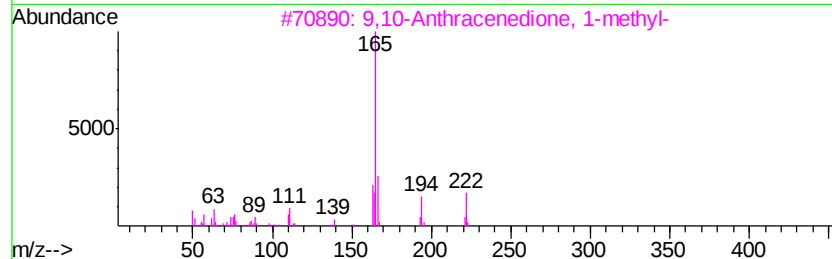
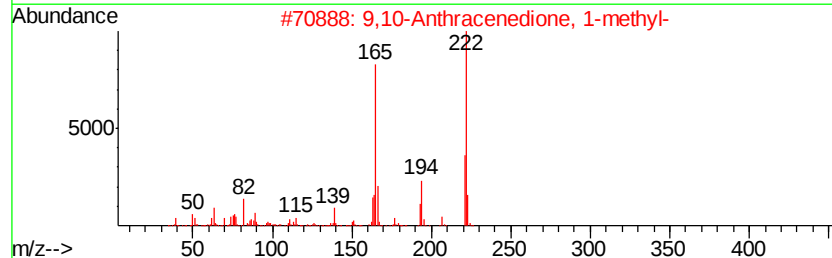
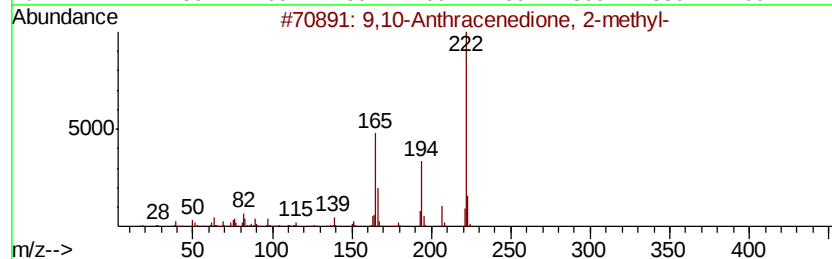
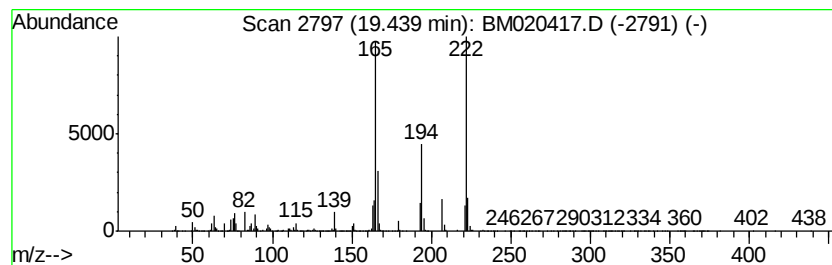
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 9,10-Anthracenedione, 2-met... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.44	5.05 ng/ul	3521890	Chrysene-d12	21.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione, 2-methyl-	222	C15H10O2	000084-54-8	94
2		9,10-Anthracenedione, 1-methyl-	222	C15H10O2	000954-07-4	93
3		9,10-Anthracenedione, 1-methyl-	222	C15H10O2	000954-07-4	93
4		9,10-Anthracenedione, 2-methyl-	222	C15H10O2	000084-54-8	89
5		Phenindione	222	C15H10O2	000083-12-5	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020417.D
Acq On : 19 May 2019 02:17
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Sample : K2633-04
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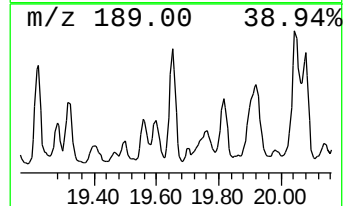
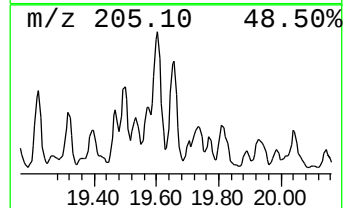
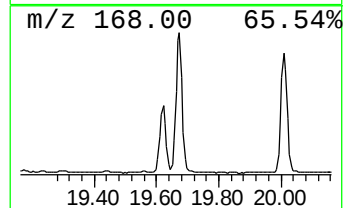
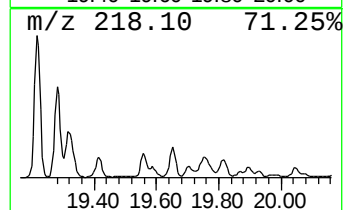
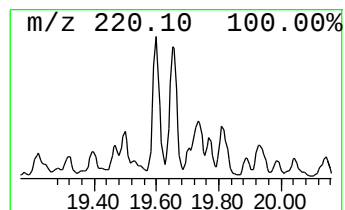
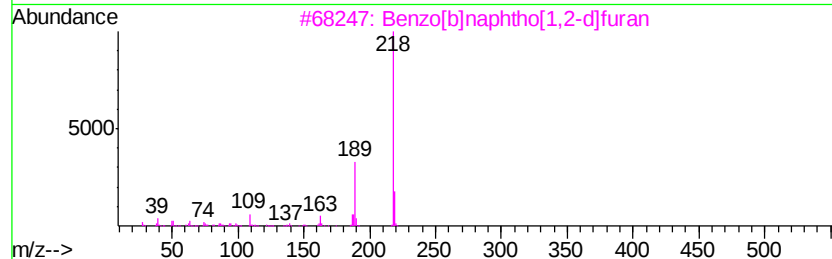
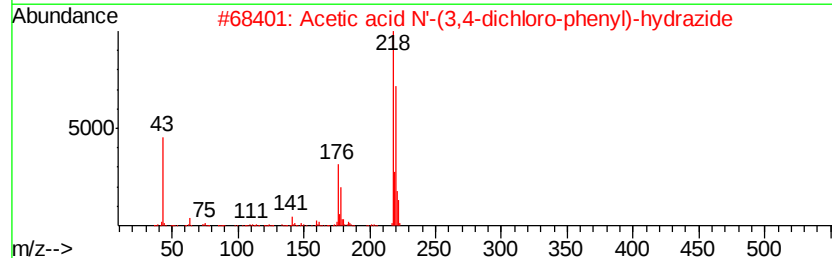
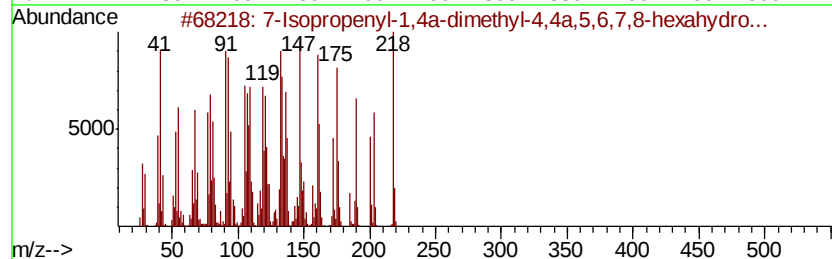
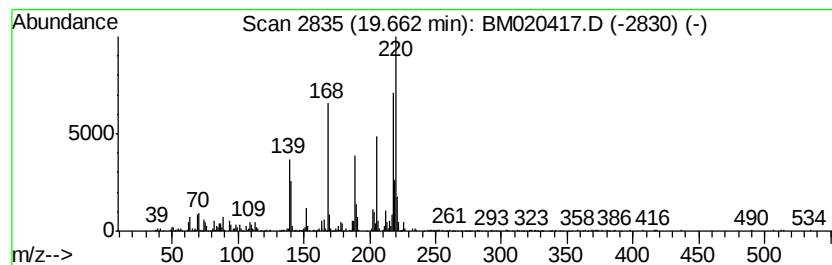
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Quant Title : SVOA CALIBRATION

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

Peak Number 29 7-Isopropenyl-1,4a-dimethyl... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.66	2.44 ng/ul	1701480	Chrysene-d12	21.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	7-Isopropenyl-1,4a-dimethyl-4,4a...	218	C15H22O	000473-08-5	91
2		Acetic acid N'-(3,4-dichloro-phe...	218	C8H8Cl2N2O	1000294-80-9	50
3		Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	46
4		3,5-Cyclohexadiene-1,2-dione, 3,...	244	C6Cl4O2	002435-53-2	43
5		Benzo[k]xanthene	218	C16H10O	000200-23-7	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020417.D
Acq On : 19 May 2019 02:17
Operator : JU/SJ
Sample : K2633-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ96

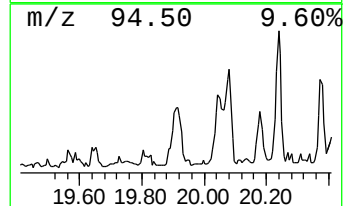
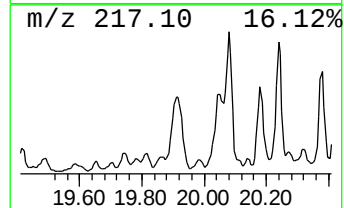
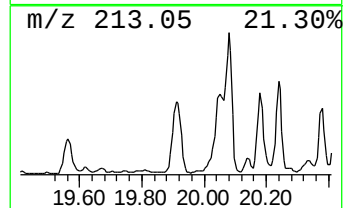
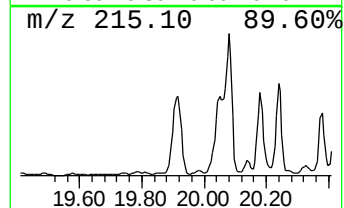
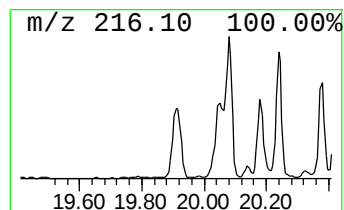
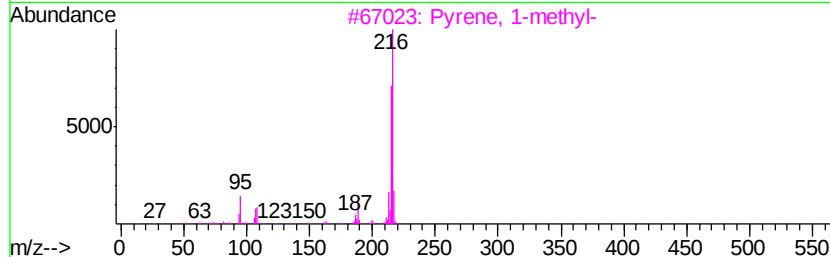
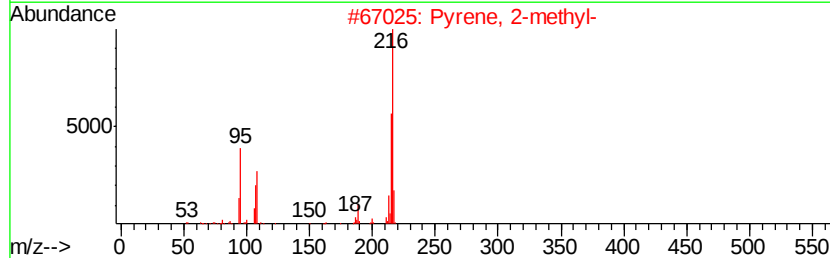
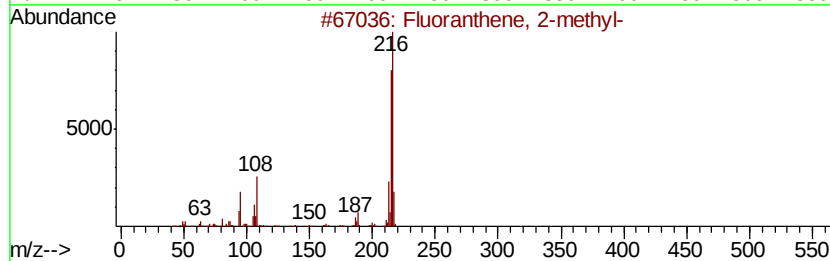
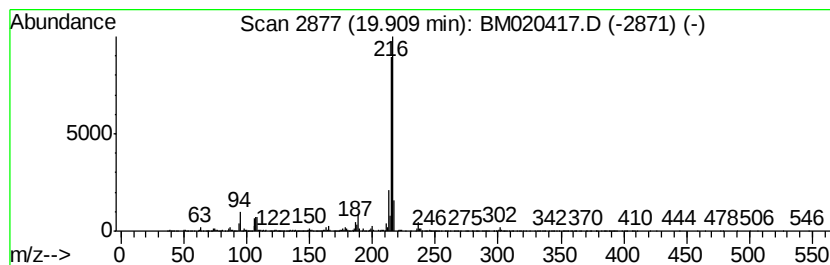
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Quant Title : SVOA CALIBRATION

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

Peak Number 30 Fluoranthene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.91	7.53 ng/ul	5255800	Chrysene-d12	21.35

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2			Pyrene, 2-methyl-	216	C17H12	003442-78-2	92
3			Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
4			Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020417.D
Acq On : 19 May 2019 02:17
Operator : JU/SJ
Sample : K2633-04
Misc :
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Instrument :
BNA_M
ClientSampleId :
GAJ96

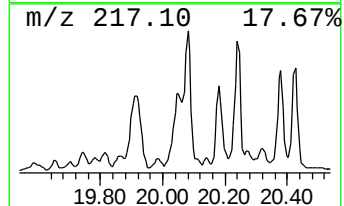
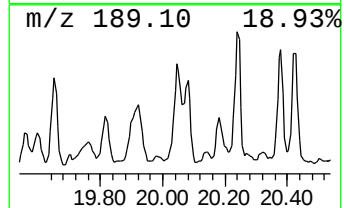
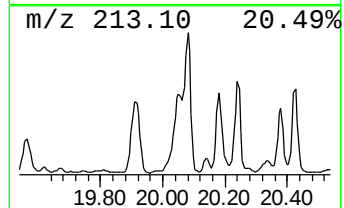
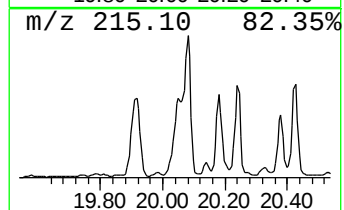
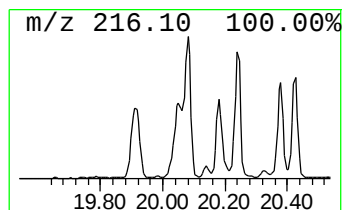
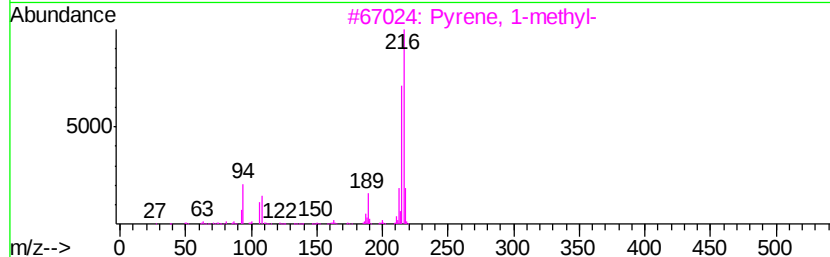
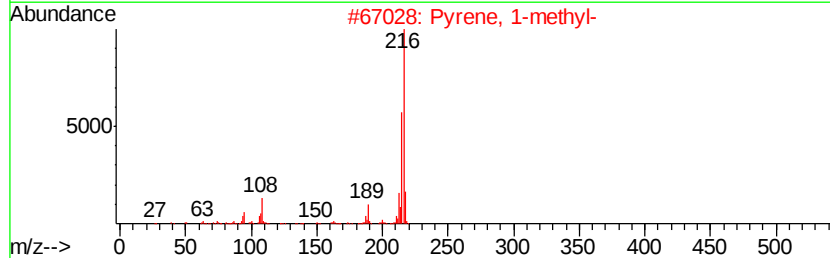
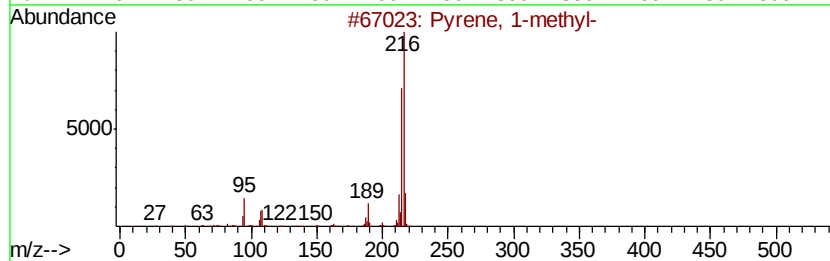
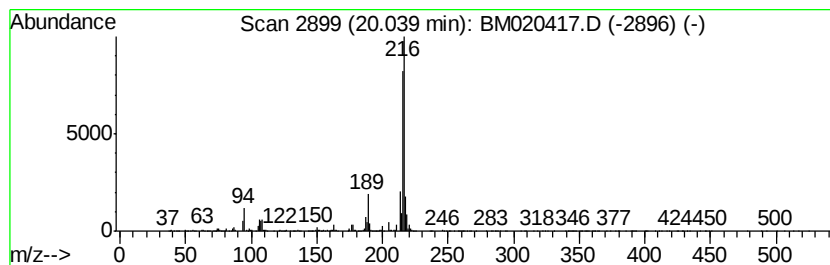
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Quant Title : SVOA CALIBRATION

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

Peak Number 31 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	6.14 ng/ul	4285900	Chrysene-d12	21.35

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2			Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3			Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4			11H-Benzo[blfluorene	216	C17H12	000243-17-4	90
5			Pyrene, 1-methyl-	216	C17H12	002381-21-7	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020417.D
Acq On : 19 May 2019 02:17
Operator : JU/SJ
Sample : K2633-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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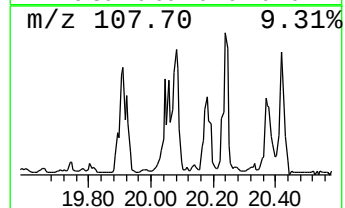
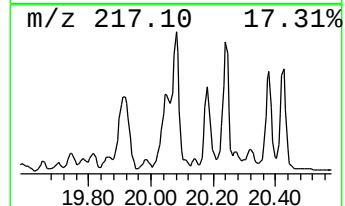
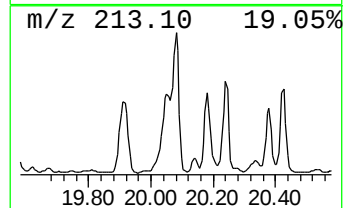
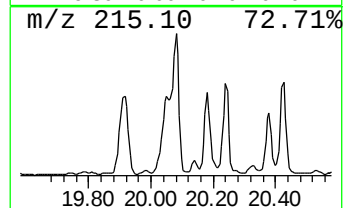
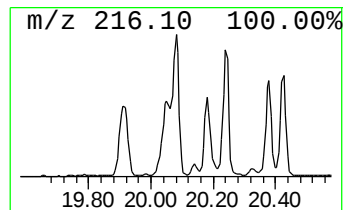
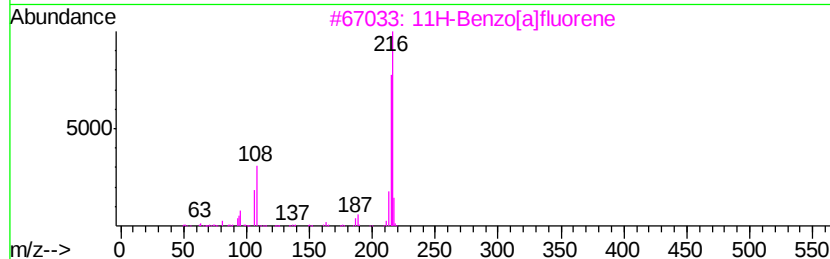
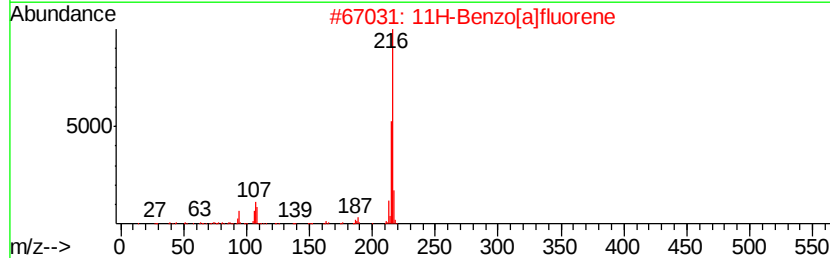
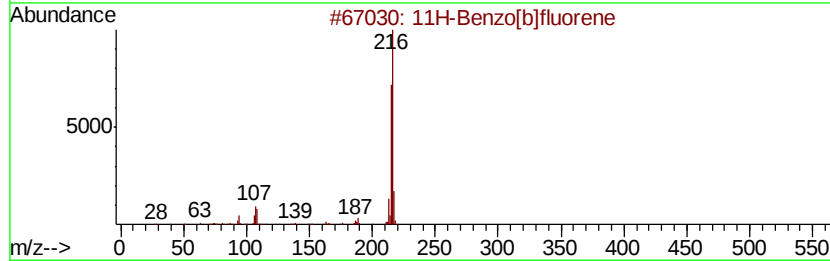
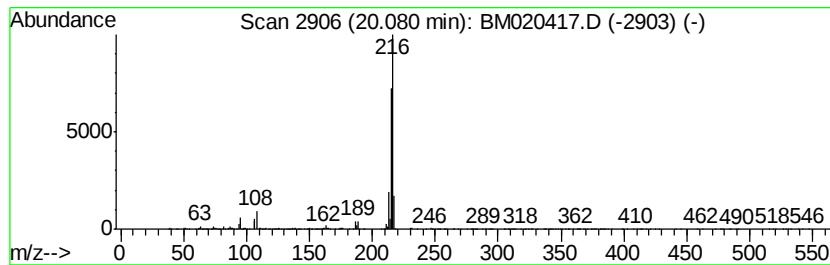
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Quant Title : SVOA CALIBRATION

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

Peak Number 32 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.08	7.47 ng/ul	5208020	Chrysene-d12	21.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4		Pyrene, 4-methyl-	216	C17H12	003353-12-6	87
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020417.D
Acq On : 19 May 2019 02:17
Operator : JU/SJ
Sample : K2633-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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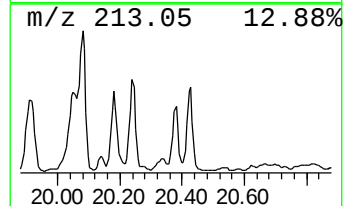
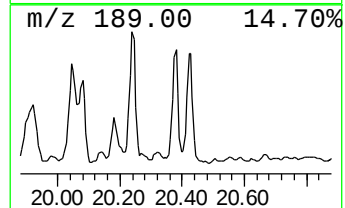
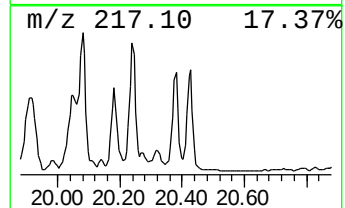
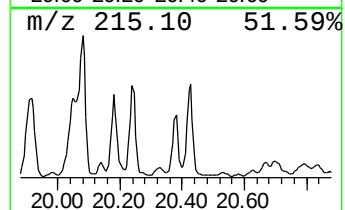
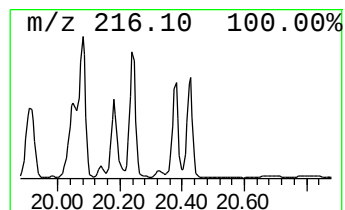
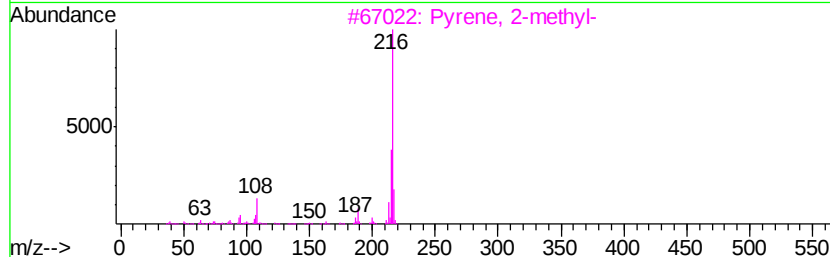
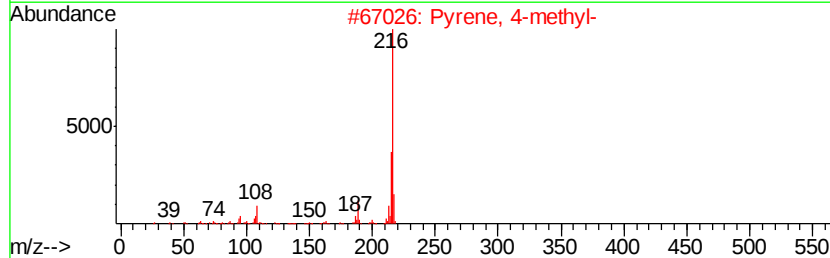
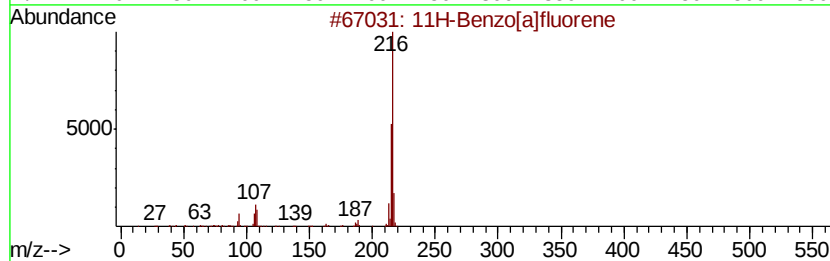
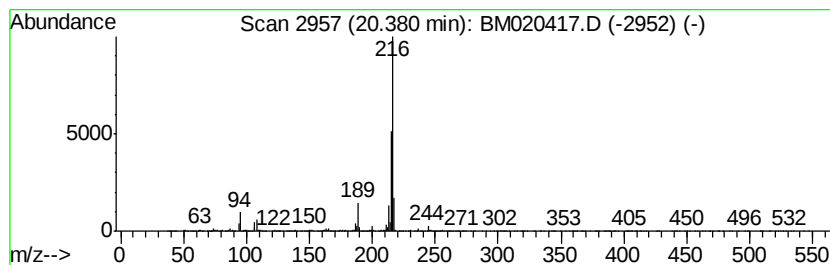
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Quant Title : SVOA CALIBRATION

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

Peak Number 35 11H-Benzo[a]fluorene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.38	4.39 ng/ul	3061510	Chrysene-d12	21.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2		Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
3		Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4		Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
5		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020417.D
Acq On : 19 May 2019 02:17
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Sample : K2633-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ96

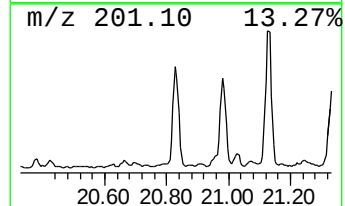
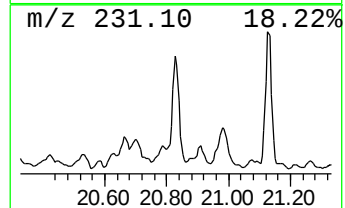
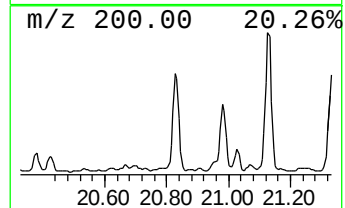
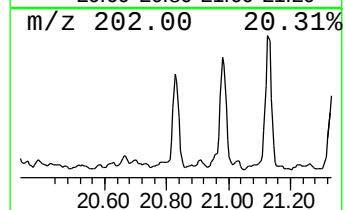
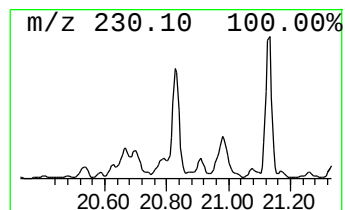
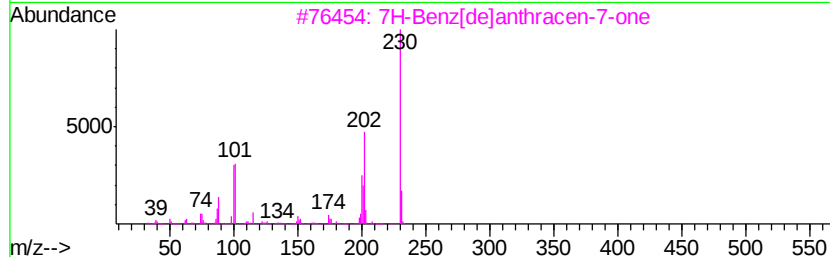
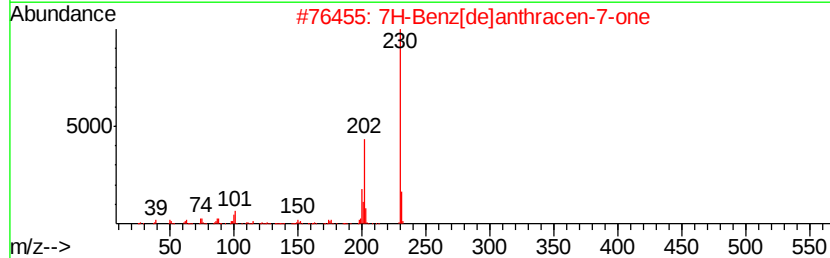
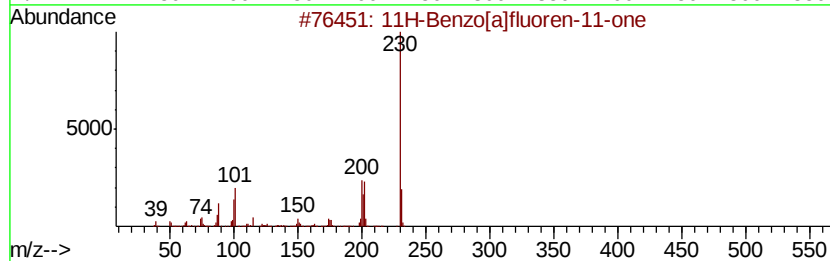
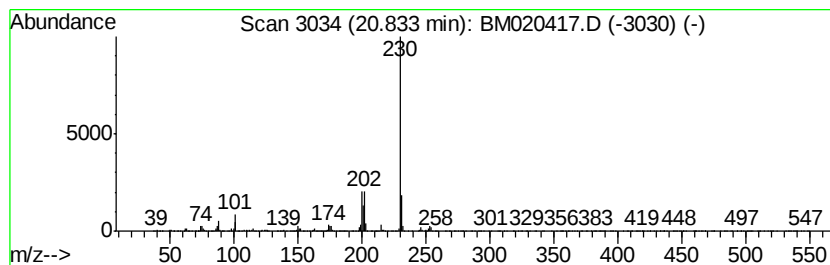
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Quant Title : SVOA CALIBRATION

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

Peak Number 37 11H-Benzo[a]fluoren-11-one Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	3.44 ng/ul	2401450	Chrysene-d12	21.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
5		1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020417.D
Acq On : 19 May 2019 02:17
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Sample : K2633-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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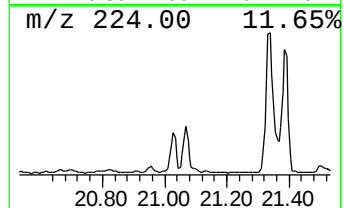
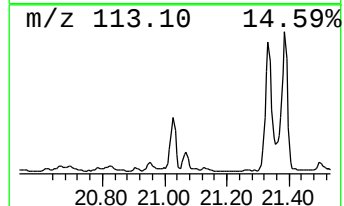
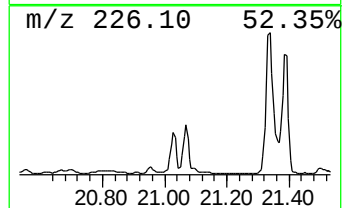
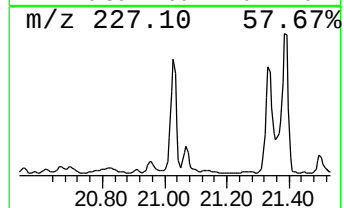
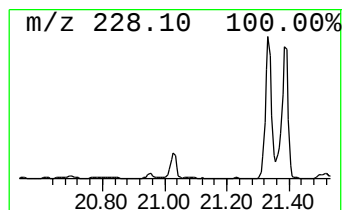
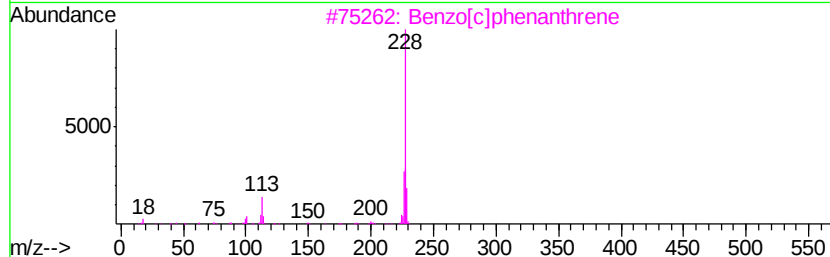
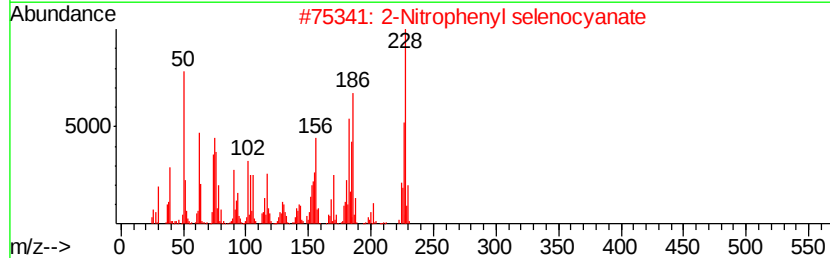
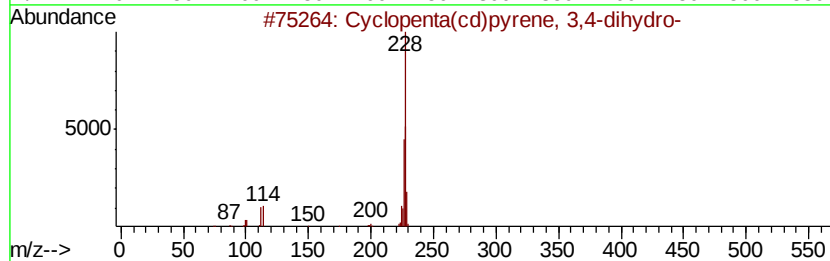
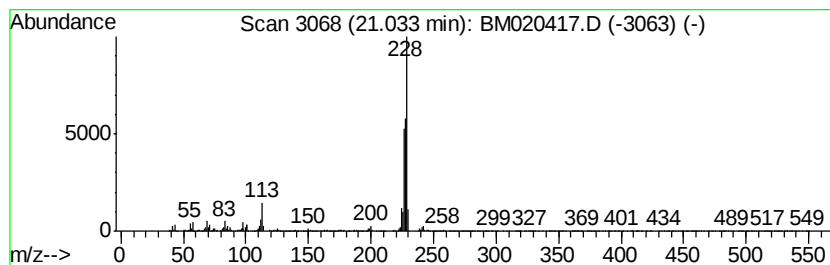
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Quant Title : SVOA CALIBRATION

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

Peak Number 38 unknown-03 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.03	3.95 ng/ul	2752960	Chrysene-d12	21.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	49
2		2-Nitrophenyl selenocyanate	228	C7H4N2O2Se	051694-22-5	47
3		Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
4		Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	43
5		Benzo[c]phenanthrene	228	C18H12	000195-19-7	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020417.D
Acq On : 19 May 2019 02:17
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Sample : K2633-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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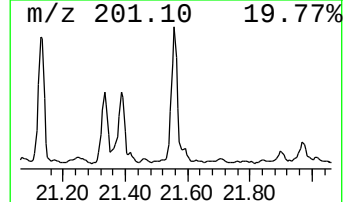
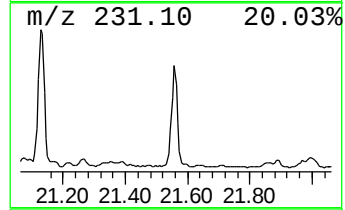
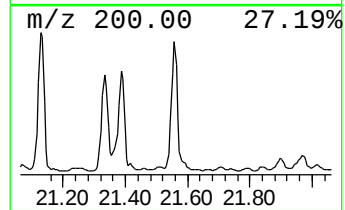
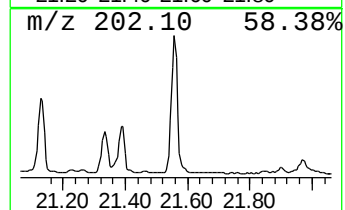
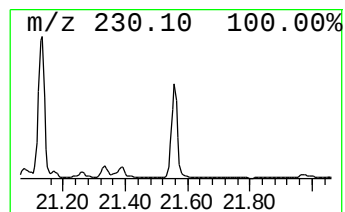
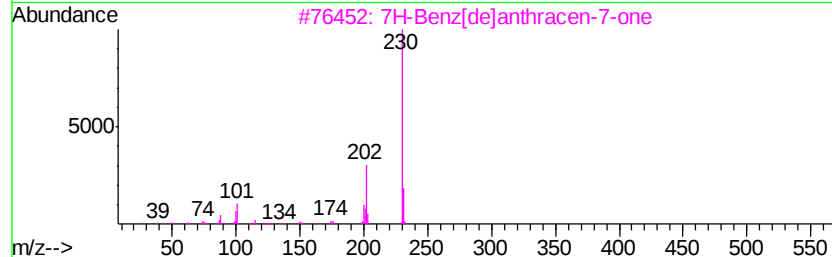
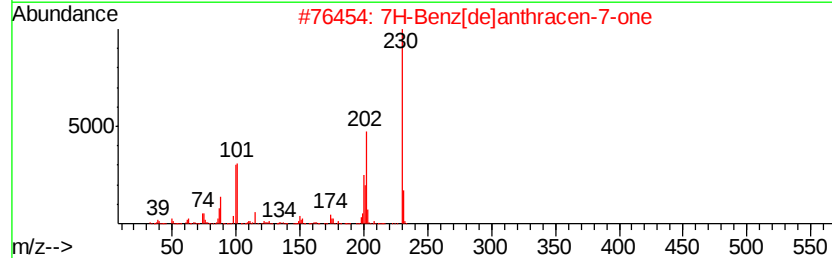
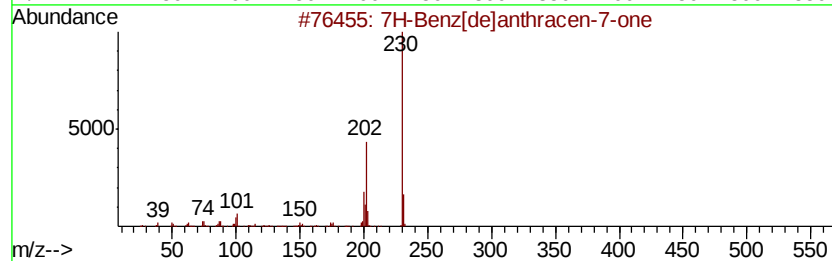
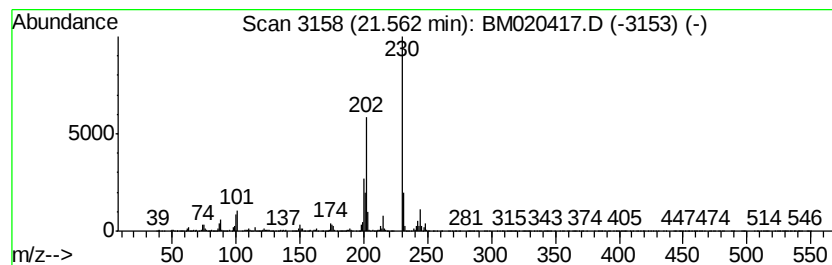
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Quant Title : SVOA CALIBRATION

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

Peak Number 40 7H-Benz[de]anthracen-7-one Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.56	3.99 ng/ul	2786380	Chrysene-d12	21.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	95
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	93
3		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	93
4		1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	89
5		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020417.D
Acq On : 19 May 2019 02:17
Operator : JU/SJ
Sample : K2633-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ96

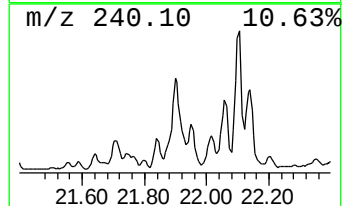
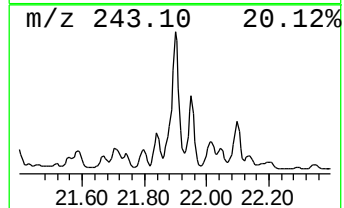
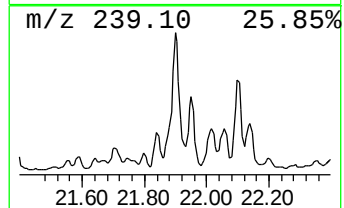
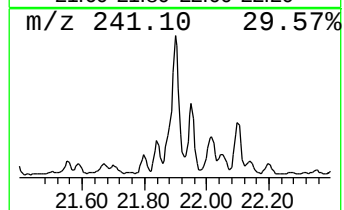
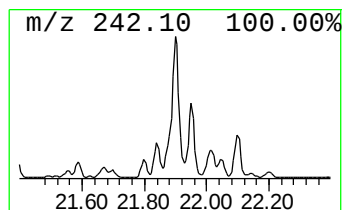
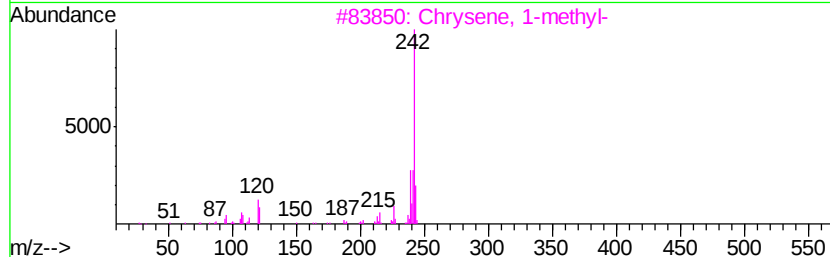
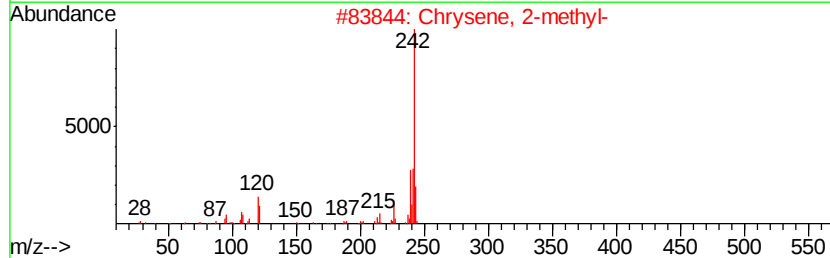
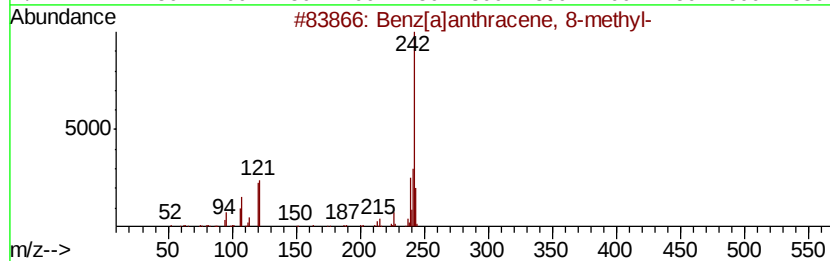
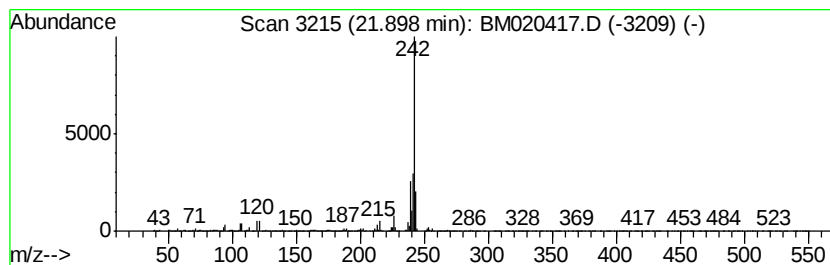
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Quant Title : SVOA CALIBRATION

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

Peak Number 41 Benz[a]anthracene, 8-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.90	6.59 ng/ul	4594060	Chrysene-d12	21.35

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
2			Chrysene, 2-methyl-	242	C19H14	003351-32-4	95
3			Chrysene, 1-methyl-	242	C19H14	003351-28-8	95
4			Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
5			Chrysene, 1-methyl-	242	C19H14	003351-28-8	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051819\
 Data File : BM020417.D
 Acq On : 19 May 2019 02:17
 Operator : JU/SJ
 Sample : K2633-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GAJ96

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.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
1H-Inden-1-one, 2...	11.96	21.5	ng/ul	3223900	2	10.53	2999440	20.0
Benzo[b]thiophene...	12.10	9.4	ng/ul	1403090	2	10.53	2999440	20.0
Naphthalene, 1-me...	12.48	117.3	ng/ul	86356800	3	14.40	14724700	20.0
Naphthalene, 1-et...	13.43	16.9	ng/ul	12465400	3	14.40	14724700	20.0
Naphthalene, 2,6-...	13.61	103.7	ng/ul	76344600	3	14.40	14724700	20.0
Naphthalene, 2,3-...	13.76	81.7	ng/ul	60138400	3	14.40	14724700	20.0
Naphthalene, 1,5-...	13.98	32.2	ng/ul	23710500	3	14.40	14724700	20.0
(DEL) Alkane: Str...	14.27	2.3	ng/ul	1695860	3	14.40	14724700	20.0
3-(2-Methyl-prope...	14.69	3.8	ng/ul	2785370	3	14.40	14724700	20.0
Naphthalene, 1,6,...	14.88	13.1	ng/ul	9640990	3	14.40	14724700	20.0
1,1'-Biphenyl, 3-...	15.02	15.7	ng/ul	11554000	3	14.40	14724700	20.0
Naphthalene, 1,4,...	15.07	9.8	ng/ul	7180210	3	14.40	14724700	20.0
1H-Phenylene	15.28	7.1	ng/ul	5199870	3	14.40	14724700	20.0
1,1'-Biphenyl, 2-...	15.58	8.2	ng/ul	6055430	3	14.40	14724700	20.0
unknown-01	15.66	2.5	ng/ul	1831940	3	14.40	14724700	20.0
[1,1'-Biphenyl]-4...	15.75	7.2	ng/ul	5264270	3	14.40	14724700	20.0
Phenanthrene, 2-m...	18.04	5.2	ng/ul	27554000	4	17.17	105610000	20.0
Phenanthrene, 1-m...	18.10	5.3	ng/ul	28120200	4	17.17	105610000	20.0
Anthracene, 1-met...	18.23	4.3	ng/ul	22895600	4	17.17	105610000	20.0
5,16[1',2']:8,13[...	18.54	2.0	ng/ul	10817500	4	17.17	105610000	20.0
unknown-02	19.32	3.0	ng/ul	2075280	5	21.35	13950400	20.0
9,10-Anthracenedi...	19.44	5.0	ng/ul	3521890	5	21.35	13950400	20.0
7-Isopropenyl-1,4...	19.66	2.4	ng/ul	1701480	5	21.35	13950400	20.0
Fluoranthene, 2-m...	19.91	7.5	ng/ul	5255800	5	21.35	13950400	20.0
Pyrene, 1-methyl-	20.04	6.1	ng/ul	4285900	5	21.35	13950400	20.0
11H-Benzo[b]fluorene	20.08	7.5	ng/ul	5208020	5	21.35	13950400	20.0
11H-Benzo[a]fluorene	20.38	4.4	ng/ul	3061510	5	21.35	13950400	20.0
11H-Benzo[a]fluor...	20.83	3.4	ng/ul	2401450	5	21.35	13950400	20.0
unknown-03	21.03	4.0	ng/ul	2752960	5	21.35	13950400	20.0
7H-Benz[de]anthra...	21.56	4.0	ng/ul	2786380	5	21.35	13950400	20.0
Benz[a]anthracene...	21.90	6.6	ng/ul	4594060	5	21.35	13950400	20.0