

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081720\
 Data File : BN011476.D
 Acq On : 18 Aug 2020 07:14
 Operator : CG/JU
 Sample : L3631-11DL 2X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BFMM7DL

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_N\METHODS\SOM-EPA-BN081420MA.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	6.640	614	621	633	rBV2	103327	197984	2.39%	0.204%
2	6.792	642	647	656	rBV	91979	151671	1.83%	0.156%
3	6.981	672	679	689	rVB	153328	236854	2.86%	0.244%
4	7.434	749	756	768	rVB	610338	936810	11.33%	0.964%
5	8.145	871	877	888	rBV	137815	231960	2.80%	0.239%
6	8.575	944	950	957	rBV	112940	188434	2.28%	0.194%
7	9.281	1065	1070	1079	rVB	95023	160452	1.94%	0.165%
8	9.816	1155	1161	1171	rBV	165902	292071	3.53%	0.300%
9	10.175	1213	1222	1229	rBV	807257	1367030	16.53%	1.406%
10	10.333	1243	1249	1261	rBV2	106130	219001	2.65%	0.225%
11	13.492	1780	1786	1790	rVV	339712	482669	5.84%	0.496%
12	13.751	1824	1830	1843	rBV	353048	600082	7.26%	0.617%
13	14.069	1877	1884	1890	rBV2	1119880	1744345	21.09%	1.794%
14	14.127	1890	1894	1903	rVB	82162	125595	1.52%	0.129%
15	14.304	1917	1924	1933	rBV3	57101	123569	1.49%	0.127%
16	14.469	1947	1952	1959	rBV	94204	147183	1.78%	0.151%
17	15.069	2046	2054	2059	rBV	552849	770085	9.31%	0.792%
18	15.121	2059	2063	2072	rVB2	148456	223270	2.70%	0.230%
19	15.210	2073	2078	2083	rBV3	77967	132746	1.60%	0.137%
20	15.574	2135	2140	2149	rVB2	78912	166575	2.01%	0.171%
21	16.480	2290	2294	2302	rVB2	107166	162273	1.96%	0.167%
22	16.580	2302	2311	2315	rBV4	177950	314240	3.80%	0.323%
23	16.639	2315	2321	2326	rVB	183309	263065	3.18%	0.271%
24	16.821	2347	2352	2355	rBV	1504762	2070087	25.03%	2.129%
25	16.868	2355	2360	2365	rVV	4107185	5526572	66.82%	5.684%
26	16.921	2365	2369	2372	rVV2	651195	954989	11.55%	0.982%
27	16.957	2372	2375	2381	rVV	854228	1076363	13.01%	1.107%
28	17.015	2381	2385	2392	rVB	122061	180675	2.18%	0.186%
29	17.233	2411	2422	2426	rBV2	504761	871983	10.54%	0.897%
30	17.351	2437	2442	2448	rVV3	65669	118827	1.44%	0.122%
31	17.404	2448	2451	2456	rVV5	71235	106978	1.29%	0.110%
32	17.698	2492	2501	2505	rBV	657492	959803	11.60%	0.987%
33	17.745	2505	2509	2517	rVB	966453	1395794	16.88%	1.436%
34	17.827	2517	2523	2528	rBV	417261	557595	6.74%	0.574%

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Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
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35	17.886	2528	2533	2538	rBV2	662371	1305868	15.79%	1.343%
36	17.927	2538	2540	2547	rVB	471092	592075	7.16%	0.609%
37	18.010	2547	2554	2558	rBV2	83481	152419	1.84%	0.157%
38	18.051	2558	2561	2565	rVV	118288	151426	1.83%	0.156%
39	18.145	2573	2577	2583	rVV5	52431	111150	1.34%	0.114%
40	18.210	2583	2588	2591	rVV	451085	589799	7.13%	0.607%
41	18.245	2591	2594	2599	rVB2	170020	224919	2.72%	0.231%
42	18.457	2622	2630	2635	rBV3	180467	352542	4.26%	0.363%
43	18.510	2635	2639	2642	rVV2	156851	183170	2.21%	0.188%
44	18.551	2642	2646	2651	rVB2	170295	235835	2.85%	0.243%
45	18.633	2651	2660	2665	rBV	350753	699359	8.46%	0.719%
46	18.698	2665	2671	2673	rVV2	196114	366117	4.43%	0.377%
47	18.727	2673	2676	2679	rVB	155404	187111	2.26%	0.192%
48	18.768	2679	2683	2692	rVB2	319242	619614	7.49%	0.637%
49	18.898	2699	2705	2713	rVB	5782774	7680275	92.85%	7.899%
50	18.974	2713	2718	2720	rBV	100518	154128	1.86%	0.159%
51	18.998	2720	2722	2727	rVB4	126037	156923	1.90%	0.161%
52	19.139	2734	2746	2751	rBV3	213894	661988	8.00%	0.681%
53	19.233	2756	2762	2763	rBV	1843349	2270067	27.45%	2.335%
54	19.262	2763	2767	2775	rVB	5034208	6805509	82.28%	7.000%
55	19.333	2775	2779	2788	rVB2	384944	679698	8.22%	0.699%
56	19.445	2793	2798	2804	rBV	448059	636915	7.70%	0.655%
57	19.504	2804	2808	2815	rVB	319208	490386	5.93%	0.504%
58	19.598	2815	2824	2830	rBV3	485686	1429669	17.28%	1.470%
59	19.645	2830	2832	2835	rVB	93843	98325	1.19%	0.101%
60	19.733	2841	2847	2848	rBV3	372715	552252	6.68%	0.568%
61	19.762	2848	2852	2858	rVB	1076904	1654575	20.00%	1.702%
62	19.815	2858	2861	2865	rBV4	90611	156458	1.89%	0.161%
63	19.868	2866	2870	2873	rBV	439266	516866	6.25%	0.532%
64	19.921	2873	2879	2884	rBV2	868919	1368189	16.54%	1.407%
65	19.968	2884	2887	2890	rVB2	148957	169932	2.05%	0.175%
66	20.009	2890	2894	2897	rBV	139908	173214	2.09%	0.178%
67	20.062	2899	2903	2907	rBV	400313	527219	6.37%	0.542%
68	20.109	2907	2911	2916	rBV3	479105	741714	8.97%	0.763%
69	20.209	2925	2928	2932	rBV4	93916	155509	1.88%	0.160%
70	20.362	2944	2954	2957	rBV9	258612	728340	8.81%	0.749%
71	20.404	2958	2961	2964	rVV3	242416	371853	4.50%	0.382%

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72	20.439	2964	2967	2970	rVB3	108376	115254	1.39%	0.119%
73	20.486	2971	2975	2977	rVV4	134789	200403	2.42%	0.206%
74	20.521	2977	2981	2989	rVB	551434	852653	10.31%	0.877%
75	20.686	3003	3009	3012	rBV2	420996	798865	9.66%	0.822%
76	20.721	3012	3015	3019	rVV	617709	786569	9.51%	0.809%
77	20.756	3019	3021	3023	rVV	284901	367938	4.45%	0.378%
78	20.780	3023	3025	3028	rVV	425425	565264	6.83%	0.581%
79	20.821	3028	3032	3043	rVB2	612614	950833	11.50%	0.978%
80	20.921	3044	3049	3057	rBV3	167859	418134	5.06%	0.430%
81	21.033	3062	3068	3073	rVV3	4338276	8271257	100.00%	8.507%
82	21.080	3073	3076	3084	rVB	3124984	4239632	51.26%	4.361%
83	21.192	3093	3095	3098	rBV2	144575	154175	1.86%	0.159%
84	21.356	3118	3123	3128	rBV3	393385	682656	8.25%	0.702%
85	21.398	3128	3130	3134	rVB3	146885	175730	2.12%	0.181%
86	21.527	3150	3152	3155	rBV	187674	198686	2.40%	0.204%
87	21.580	3156	3161	3165	rVV	938541	1257744	15.21%	1.294%
88	21.627	3166	3169	3174	rVB	464629	579571	7.01%	0.596%
89	21.762	3189	3192	3195	rBV2	326838	419450	5.07%	0.431%
90	21.792	3195	3197	3203	rVB4	290601	385283	4.66%	0.396%
91	21.862	3206	3209	3217	rVB3	251734	430584	5.21%	0.443%
92	22.539	3317	3324	3335	rBV	2166171	6163308	74.51%	6.339%
93	22.692	3346	3350	3354	rVB	350478	485825	5.87%	0.500%
94	22.809	3368	3370	3378	rVB2	139384	292681	3.54%	0.301%
95	22.974	3393	3398	3402	rBV	1023539	1724145	20.85%	1.773%
96	23.015	3402	3405	3408	rVV	437874	620890	7.51%	0.639%
97	23.062	3408	3413	3421	rVB	1744812	3112297	37.63%	3.201%
98	23.150	3422	3428	3433	rBV2	1521229	2721769	32.91%	2.799%
99	25.197	3770	3776	3787	rVB2	782129	2061195	24.92%	2.120%
100	25.821	3876	3882	3892	rVB2	445778	1183807	14.31%	1.218%

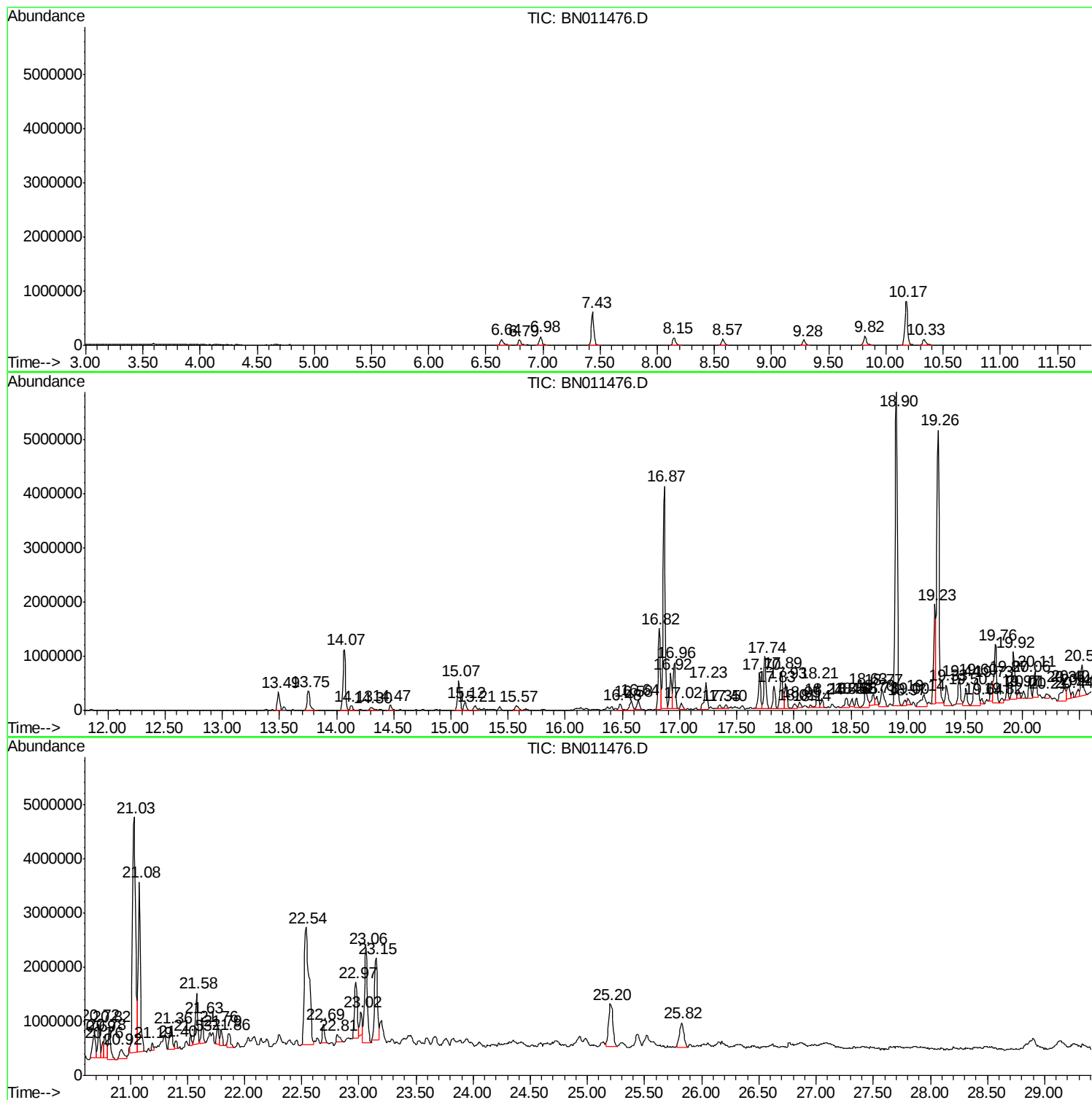
Sum of corrected areas: 97225636

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

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



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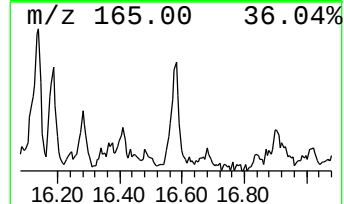
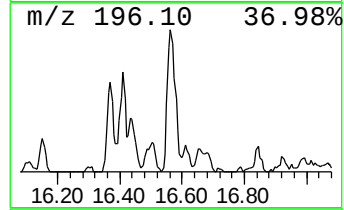
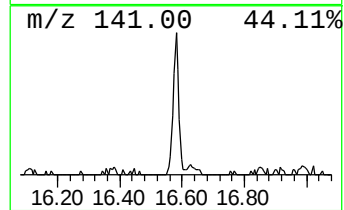
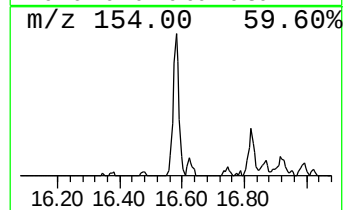
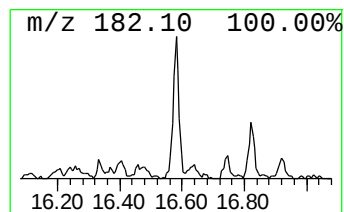
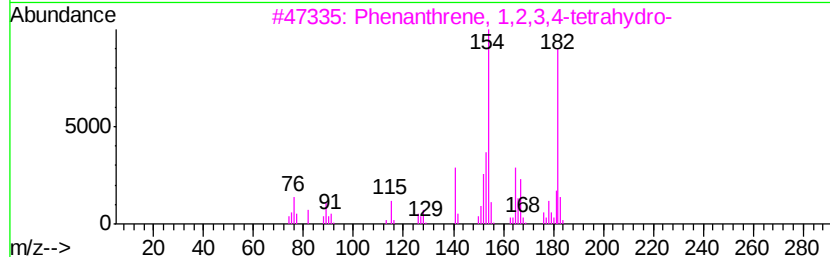
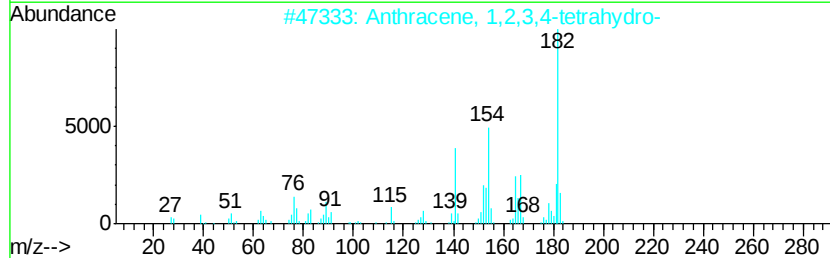
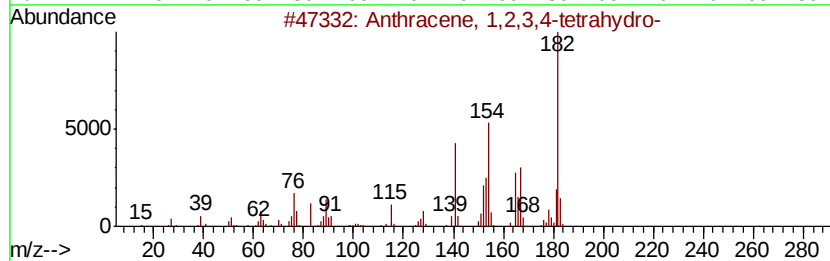
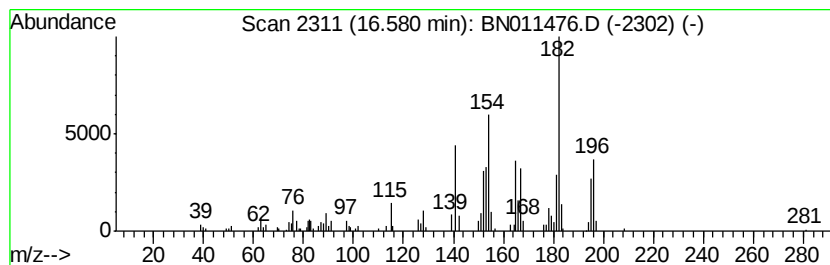
Instrument :
BNA_N
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.58	3.04 ng/ul	314240	Phenanthrene-d10	16.82	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	97
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	96
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	49
4	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	45
5	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	45



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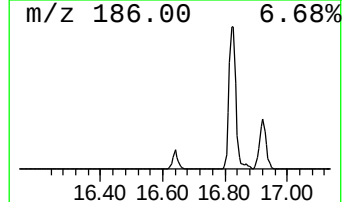
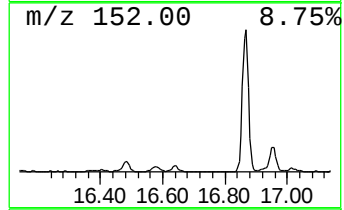
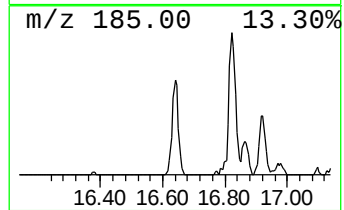
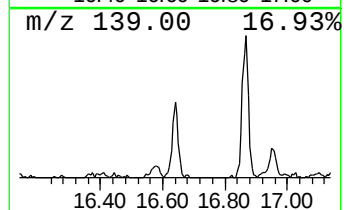
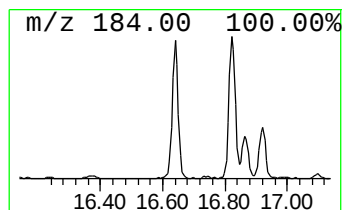
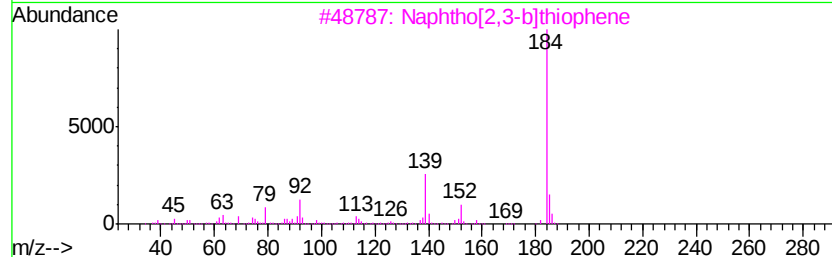
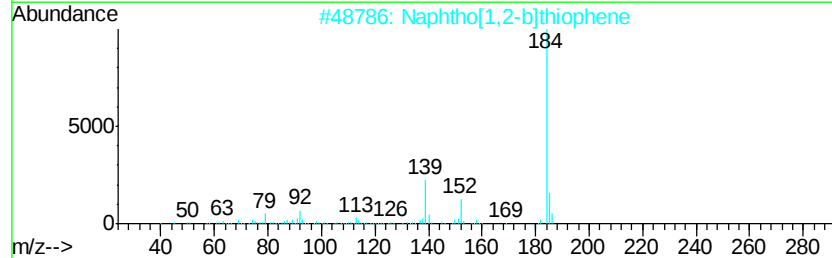
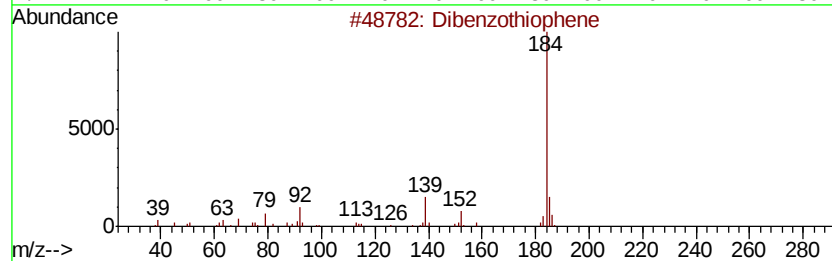
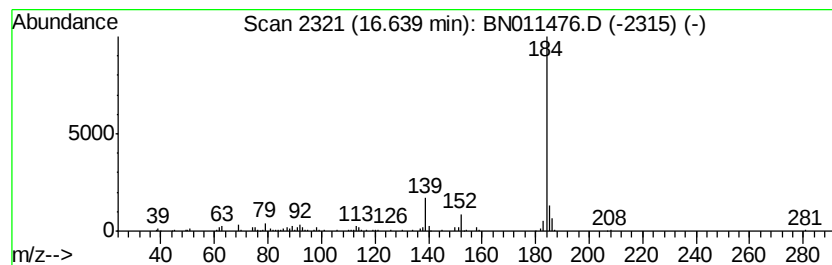
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 2 Dibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	2.54 ng/ul	263065	Phenanthrene-d10	16.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	95
2		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4		Dibenzothiophene	184	C12H8S	000132-65-0	93
5		Dibenzothiophene	184	C12H8S	000132-65-0	91



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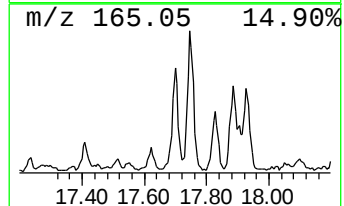
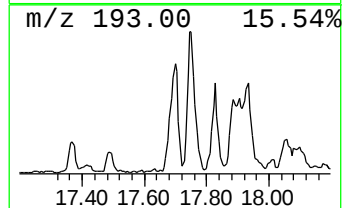
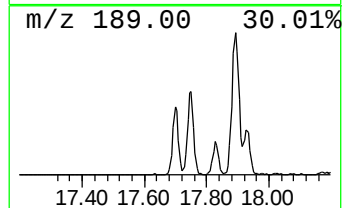
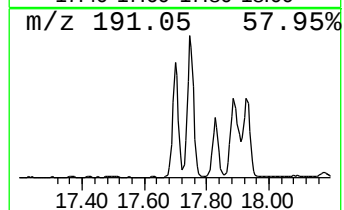
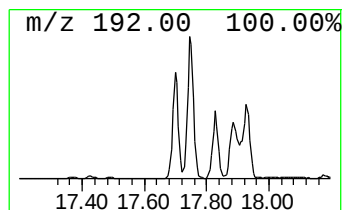
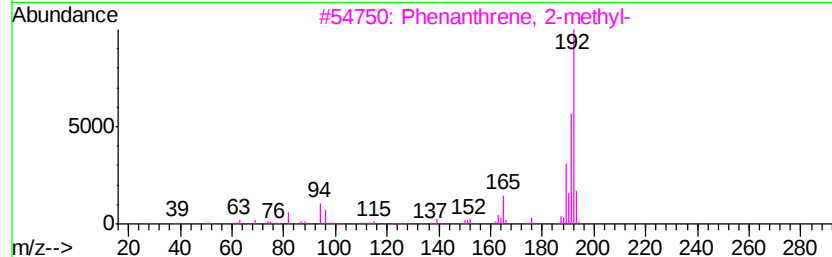
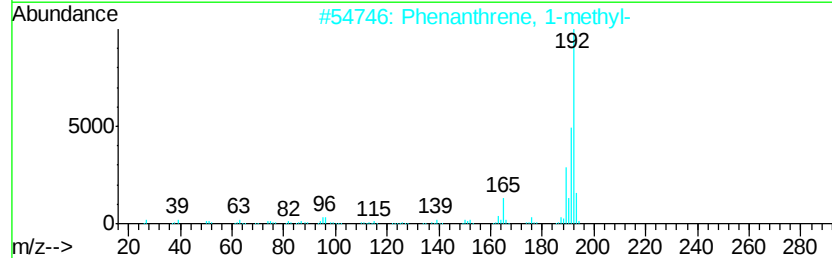
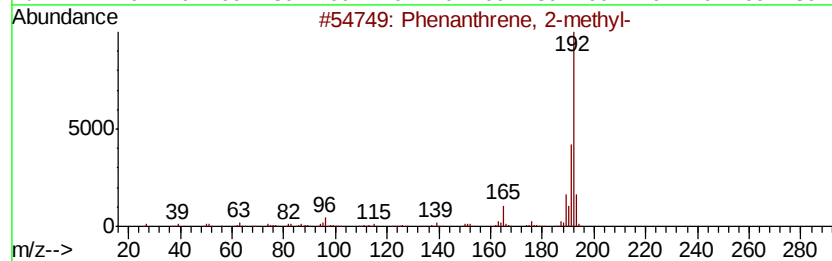
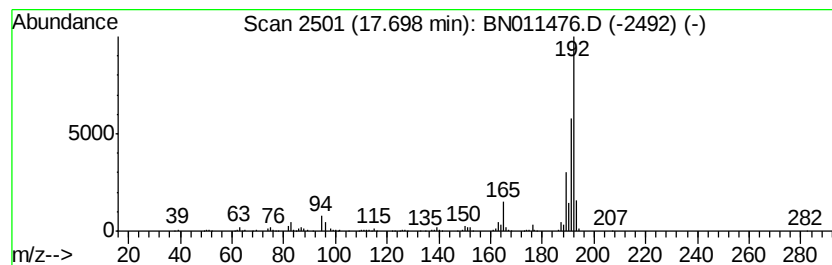
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.70	9.27 ng/ul	959803	Phenanthrene-d10	16.82

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081720\
Data File : BN011476.D
Acq On : 18 Aug 2020 07:14
Operator : CG/JU
Sample : L3631-11DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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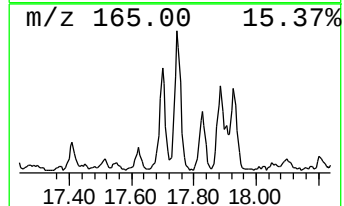
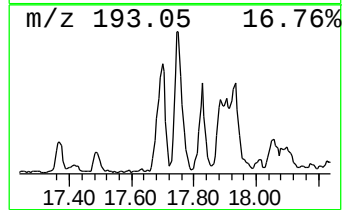
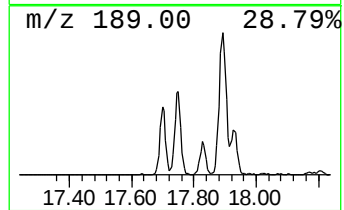
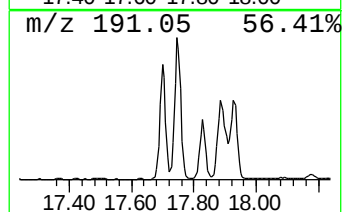
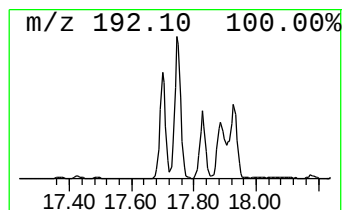
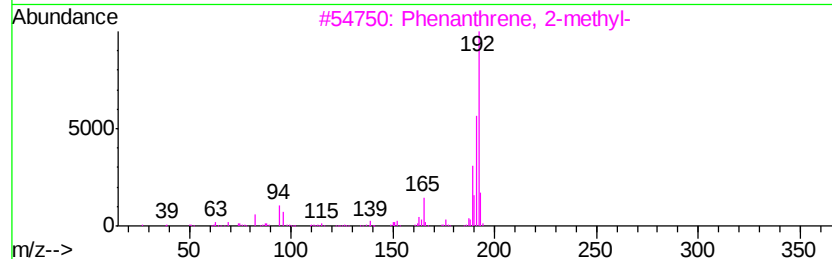
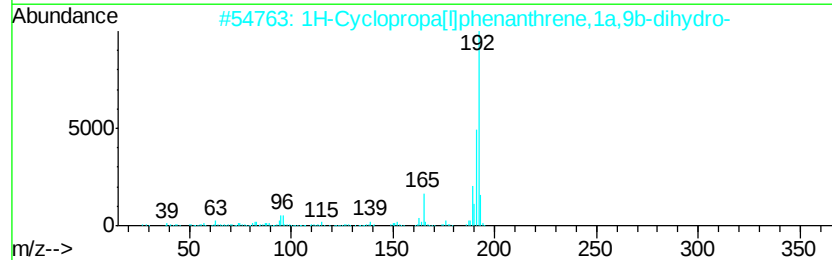
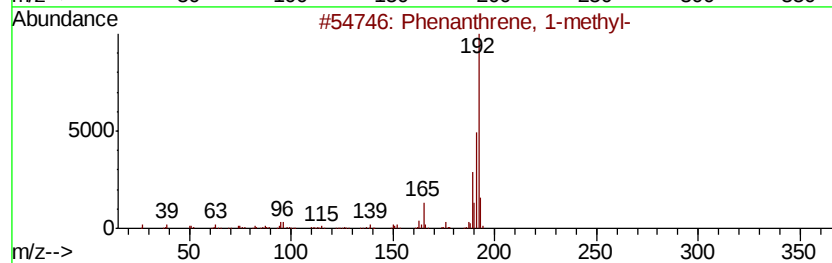
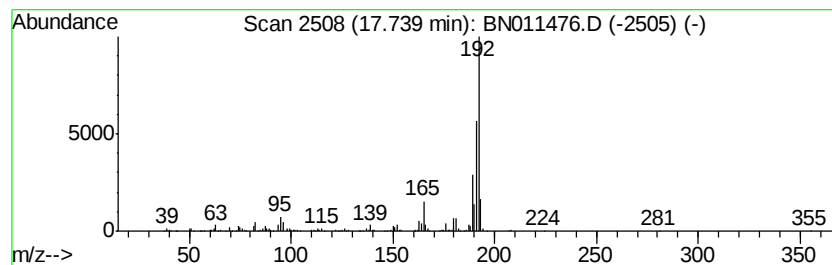
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.74	13.49 ng/ul	1395790	Phenanthrene-d10	16.82

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081720\
Data File : BN011476.D
Acq On : 18 Aug 2020 07:14
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Sample : L3631-11DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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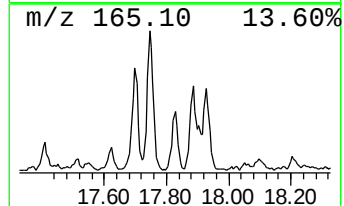
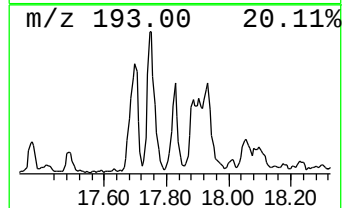
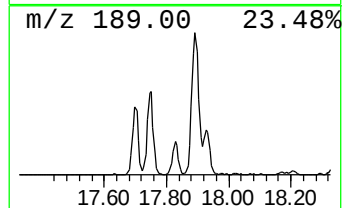
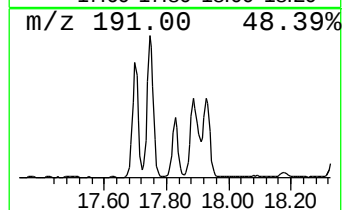
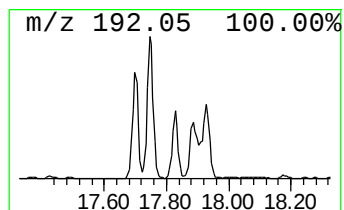
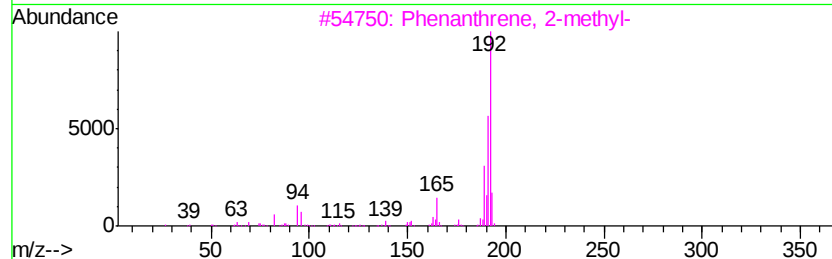
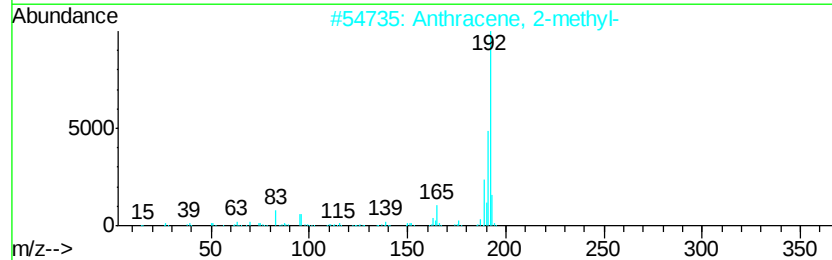
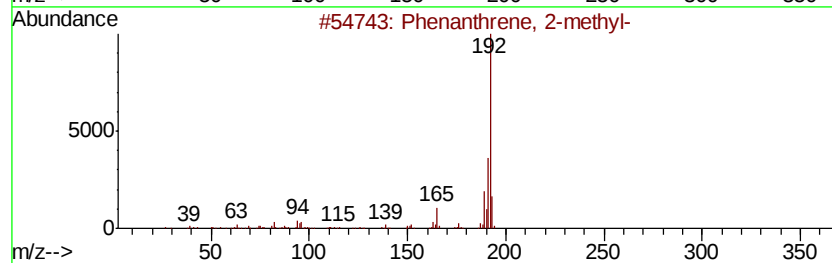
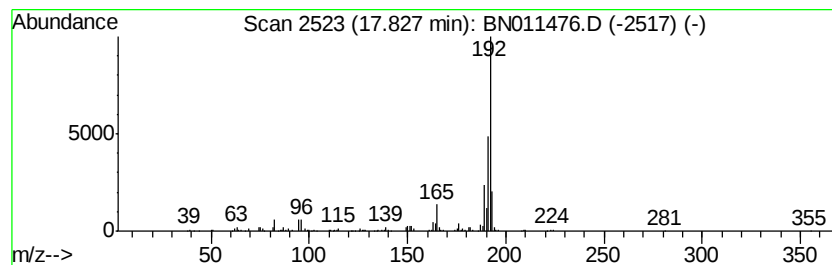
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	5.39 ng/ul	557595	Phenanthrene-d10	16.82

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081720\
Data File : BN011476.D
Acq On : 18 Aug 2020 07:14
Operator : CG/JU
Sample : L3631-11DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

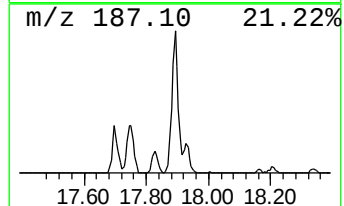
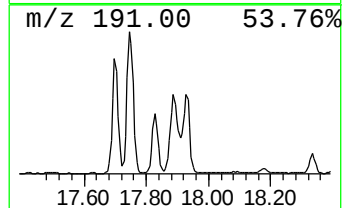
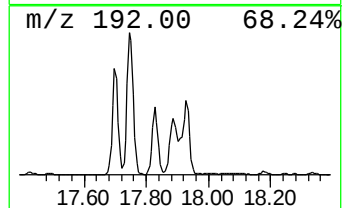
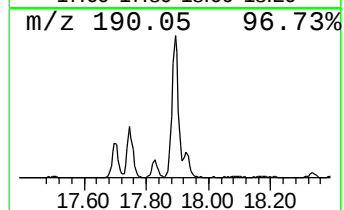
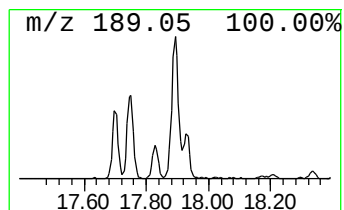
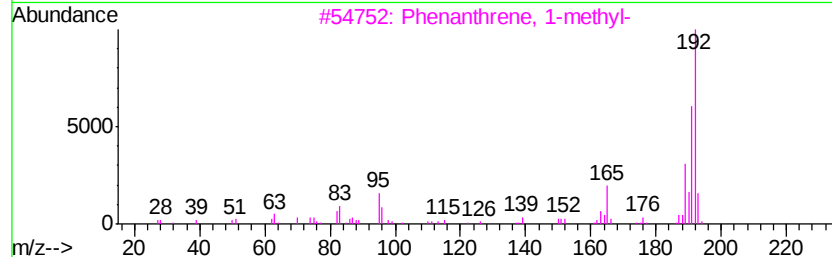
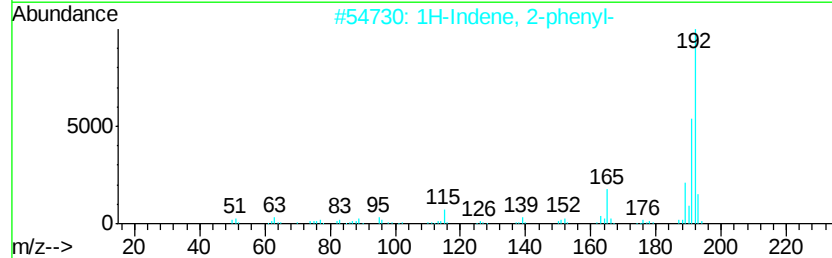
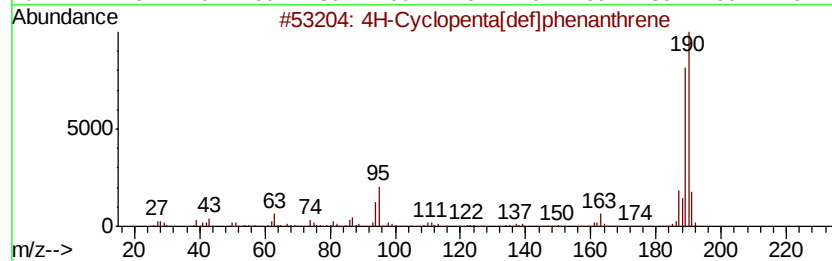
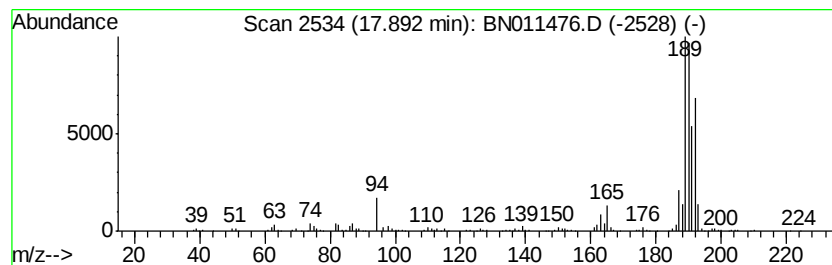
Instrument :
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.89	12.62 ng/ul	1305870	Phenanthrene-d10	16.82		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	46
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46
5		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081720\
Data File : BN011476.D
Acq On : 18 Aug 2020 07:14
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Sample : L3631-11DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

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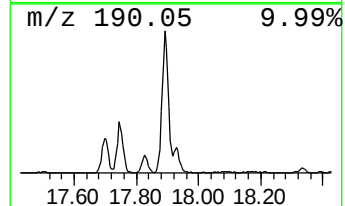
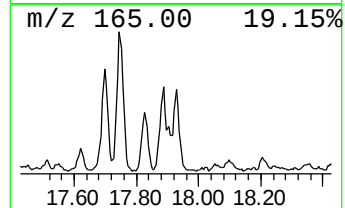
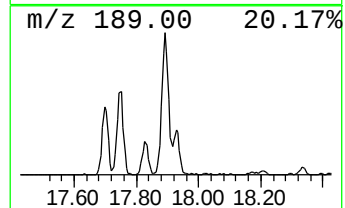
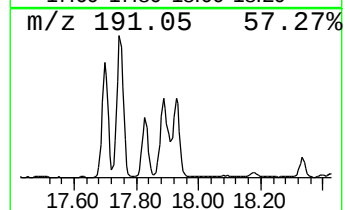
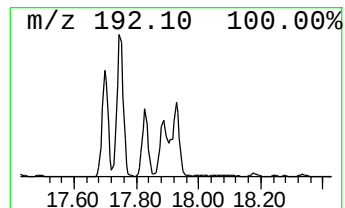
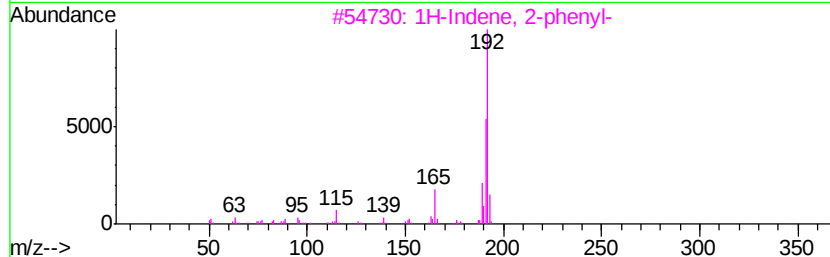
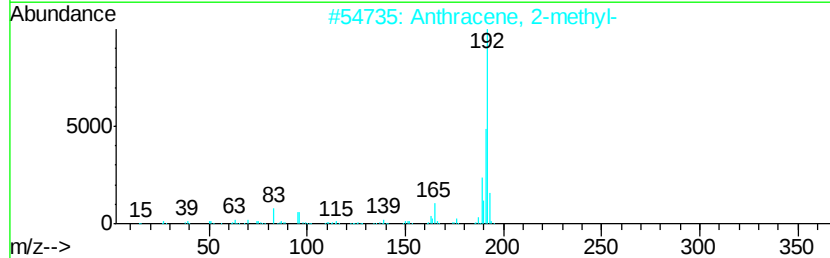
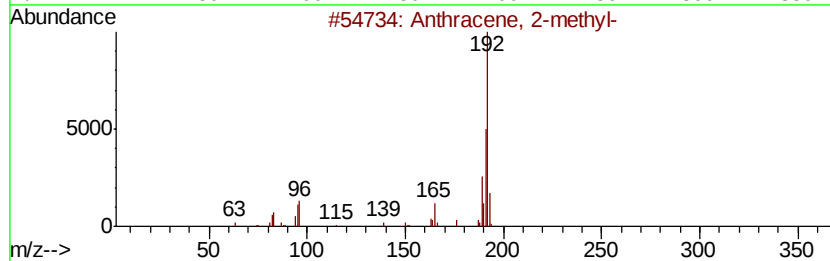
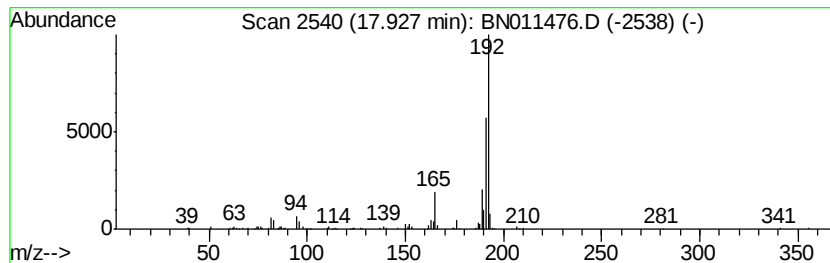
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 1H-Indene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	5.72 ng/ul	592075	Phenanthrene-d10	16.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
4		1H-Cyclopropa[1,1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	83
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081720\
Data File : BN011476.D
Acq On : 18 Aug 2020 07:14
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Misc :
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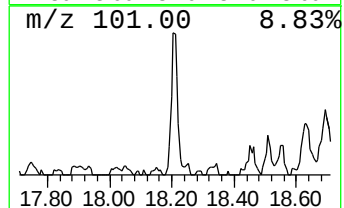
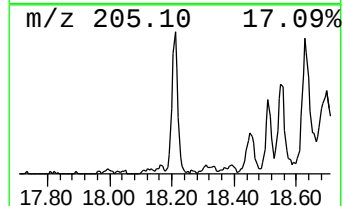
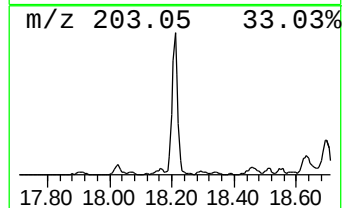
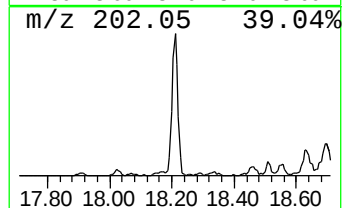
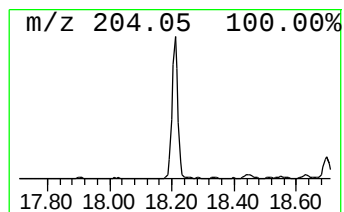
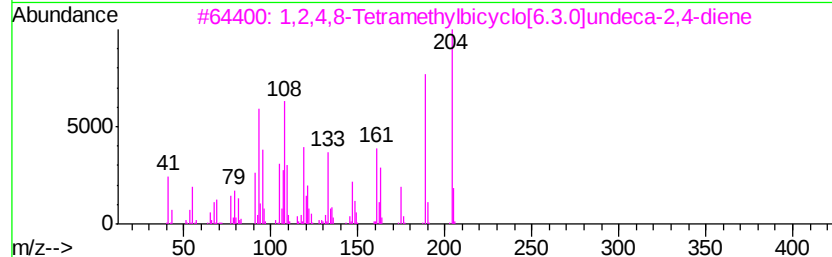
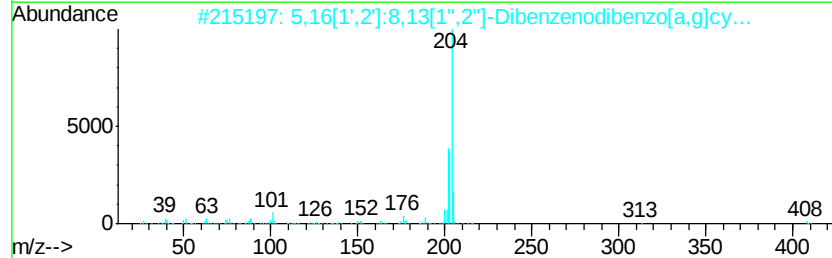
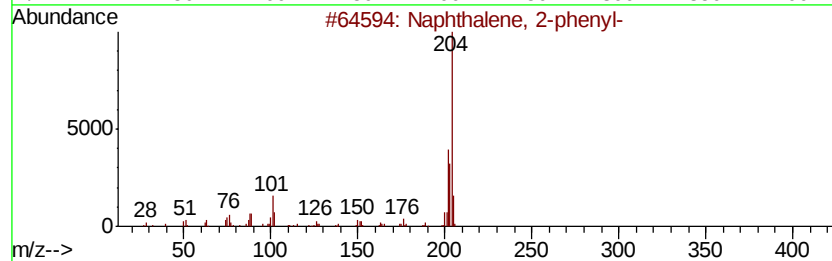
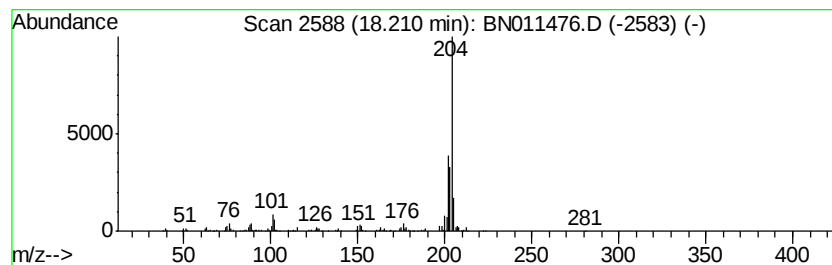
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.21	5.70 ng/ul	589799	Phenanthrene-d10	16.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	89
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2,4,6,8-tetraene	204	C16H12	006572-60-7	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081720\
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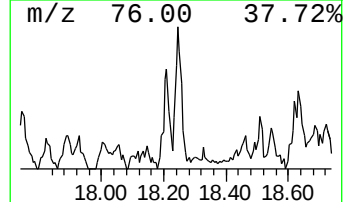
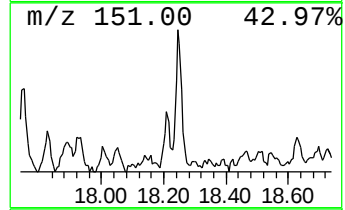
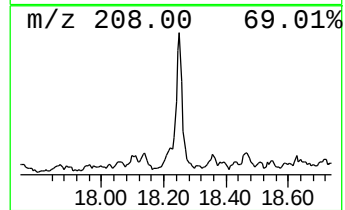
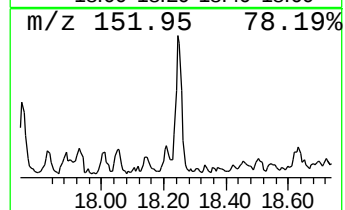
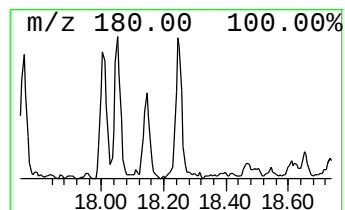
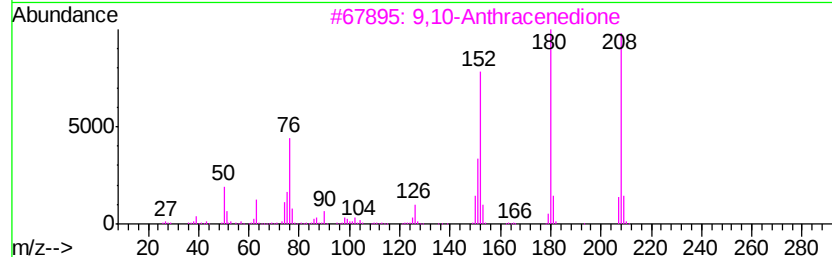
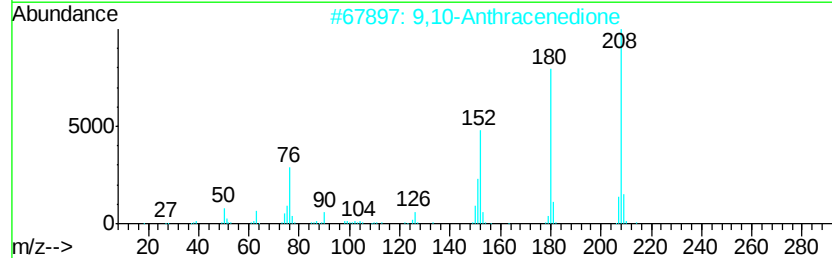
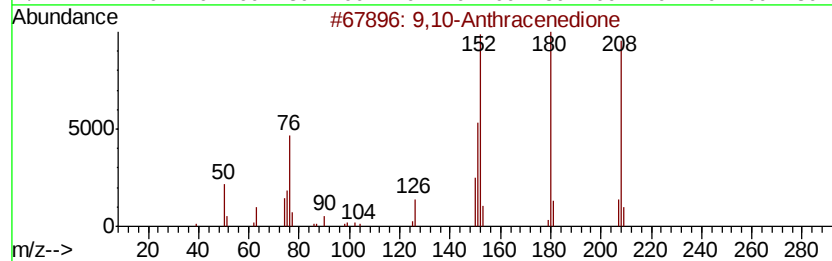
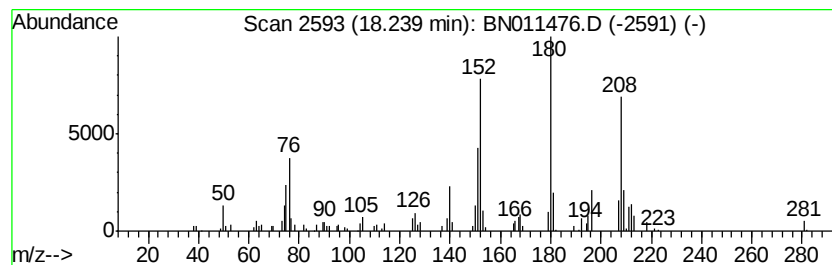
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 9,10-Anthracenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	2.17 ng/ul	224919	Phenanthrene-d10	16.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2		9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3		9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
4		9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
5		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081720\
Data File : BN011476.D
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ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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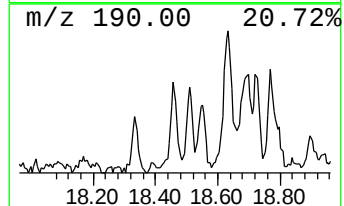
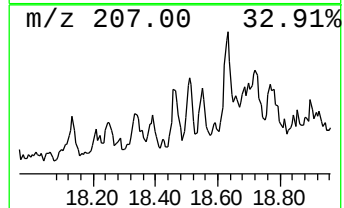
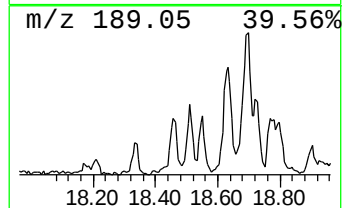
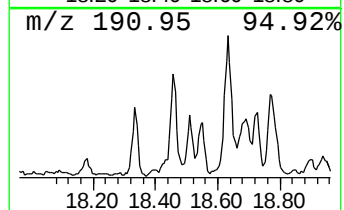
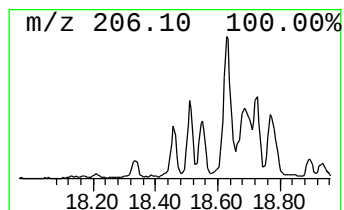
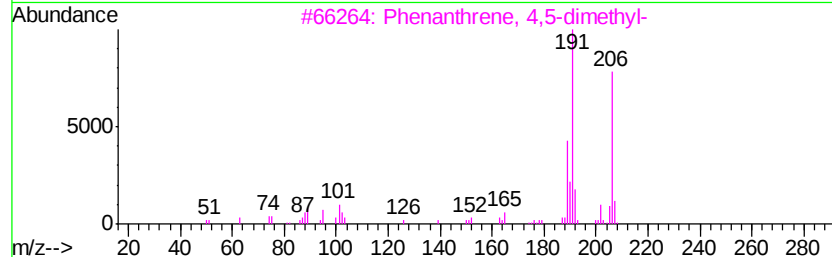
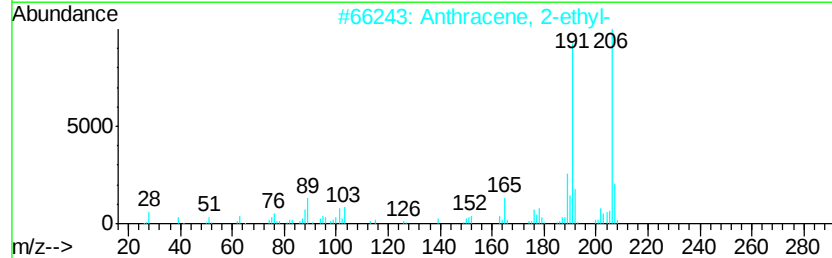
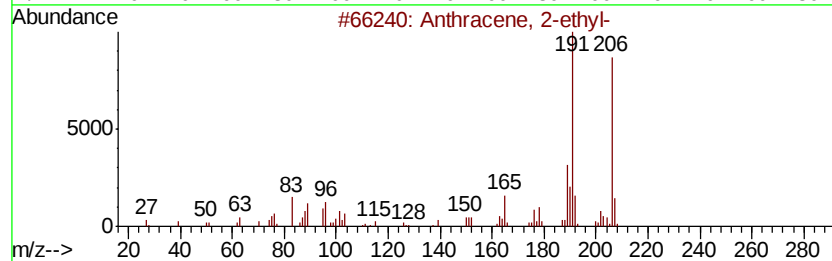
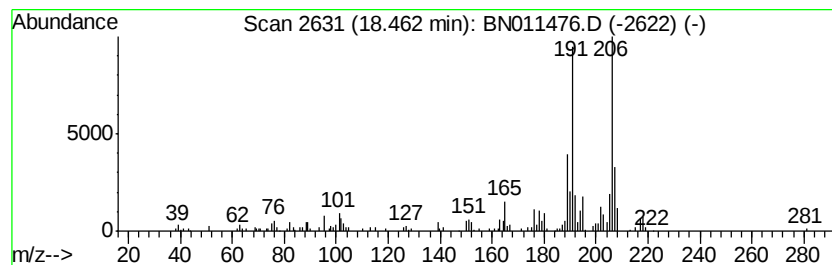
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 Phenanthrene, 4,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	3.41 ng/ul	352542	Phenanthrene-d10	16.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
2			Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90
3			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
4			Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90
5			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081720\
Data File : BN011476.D
Acq On : 18 Aug 2020 07:14
Operator : CG/JU
Sample : L3631-11DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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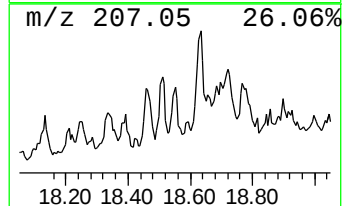
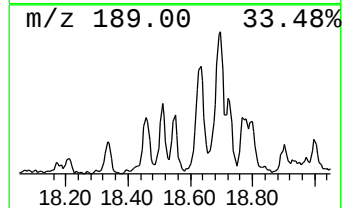
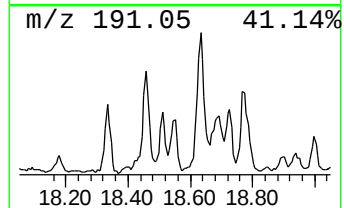
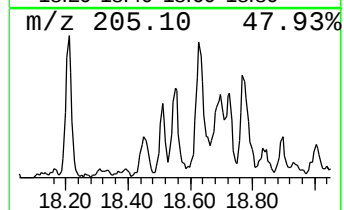
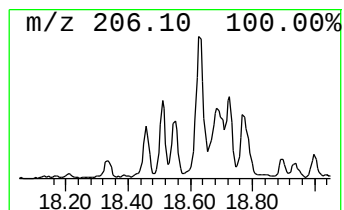
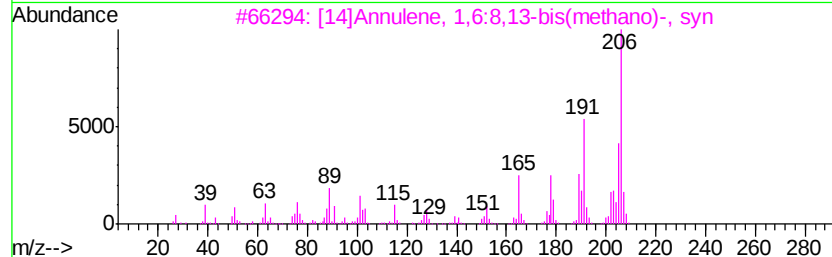
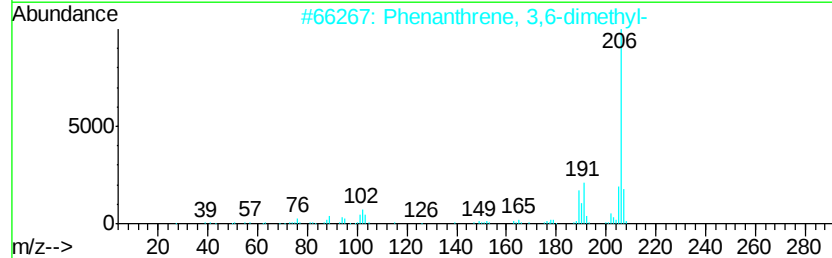
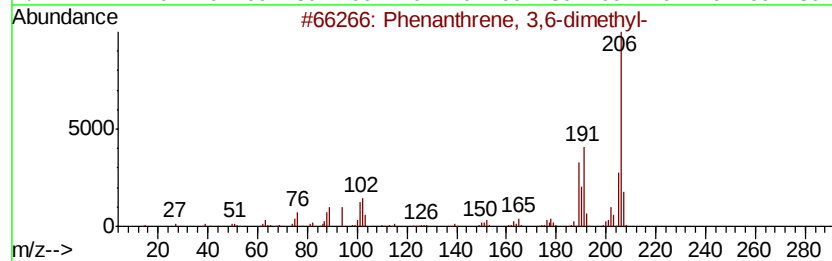
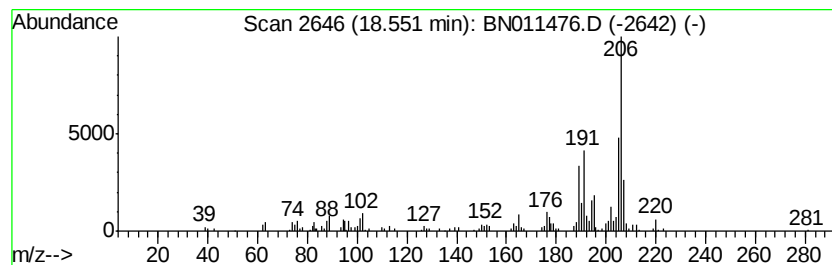
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	2.28 ng/ul	235835	Phenanthrene-d10	16.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
3		[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	64
4		Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	62
5		Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	62



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081720\
Data File : BN011476.D
Acq On : 18 Aug 2020 07:14
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Sample : L3631-11DL 2X
Misc :
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Instrument :
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ClientSampleId :
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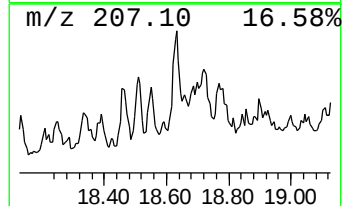
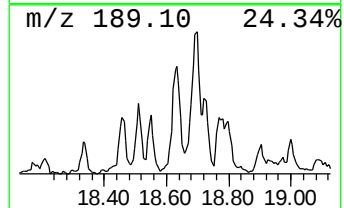
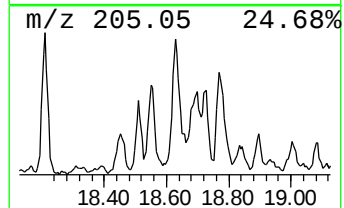
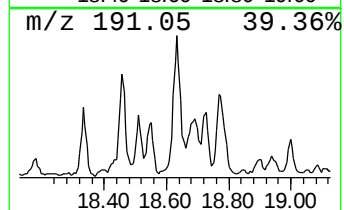
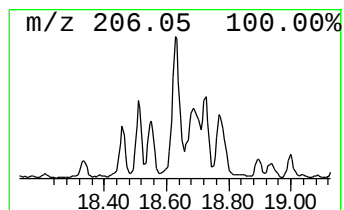
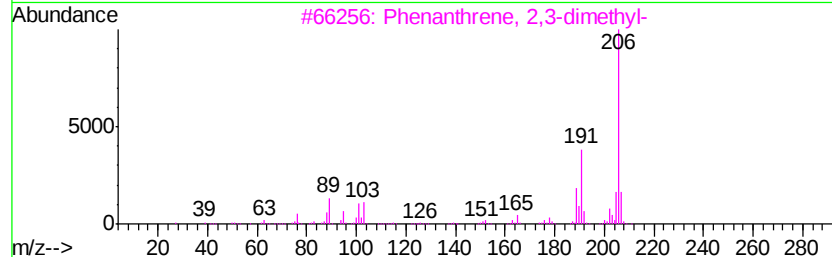
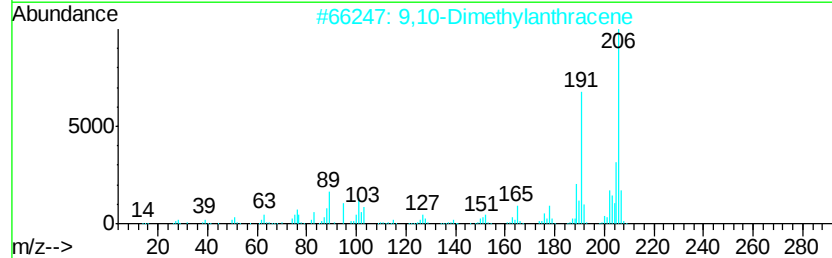
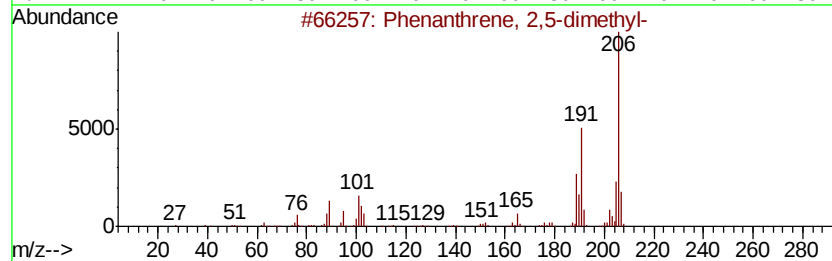
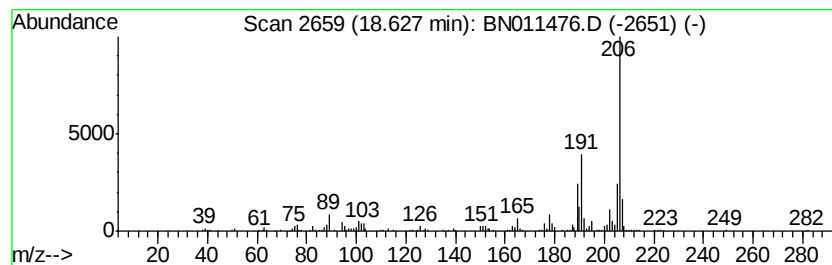
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	6.76 ng/ul	699359	Phenanthrene-d10	16.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2			9,10-Dimethylantracene	206	C16H14	000781-43-1	91
3			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4			9,10-Dimethylantracene	206	C16H14	000781-43-1	83
5			di-p-Tolylacetylene	206	C16H14	002789-88-0	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081720\
Data File : BN011476.D
Acq On : 18 Aug 2020 07:14
Operator : CG/JU
Sample : L3631-11DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

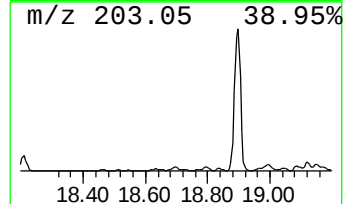
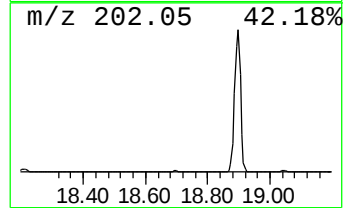
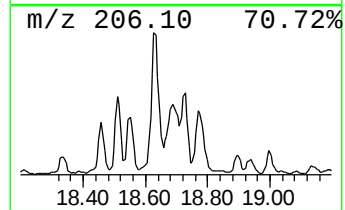
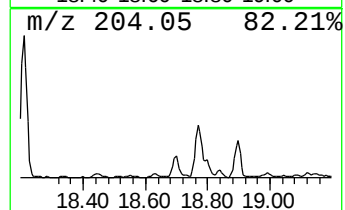
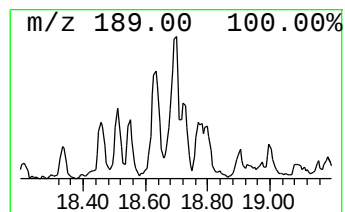
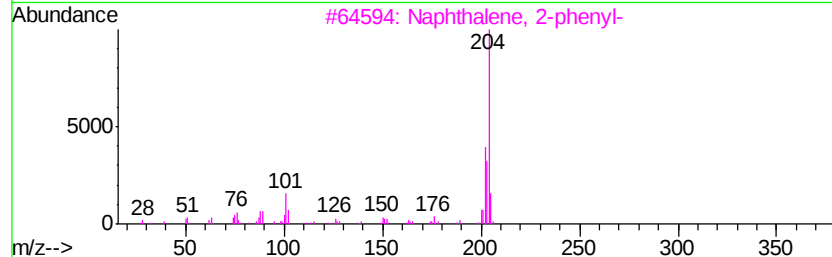
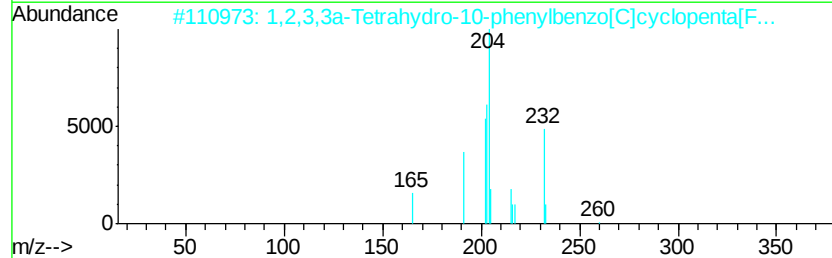
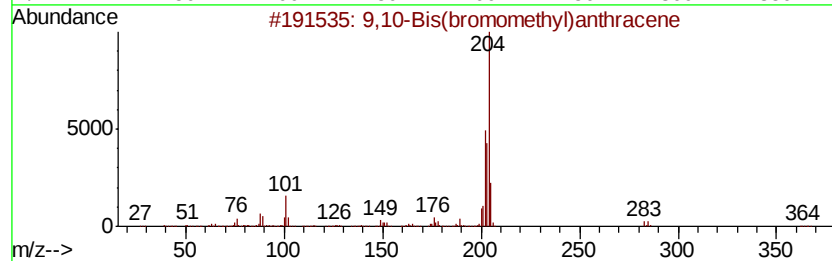
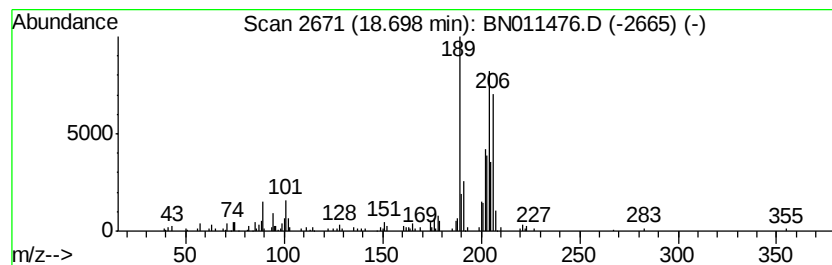
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.70	3.54 ng/ul	366117	Phenanthrene-d10	16.82	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	46
2	1,2,3,3a-Tetrahydro-10-phenylben...	260	C18H16N2	028749-06-6	43
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30
4	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	30
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	27



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081720\
Data File : BN011476.D
Acq On : 18 Aug 2020 07:14
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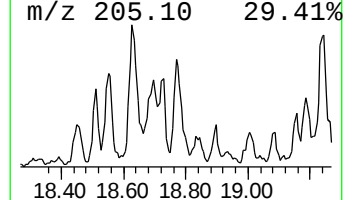
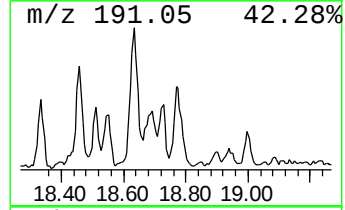
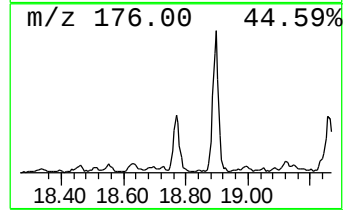
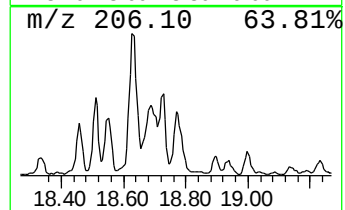
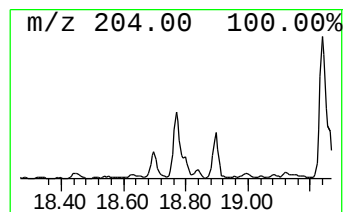
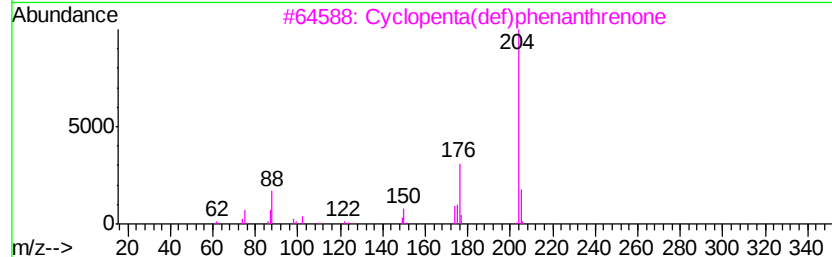
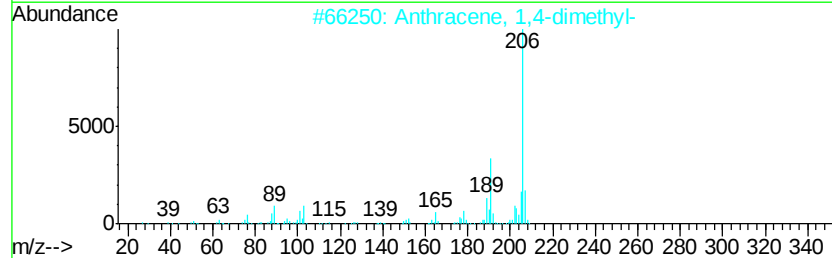
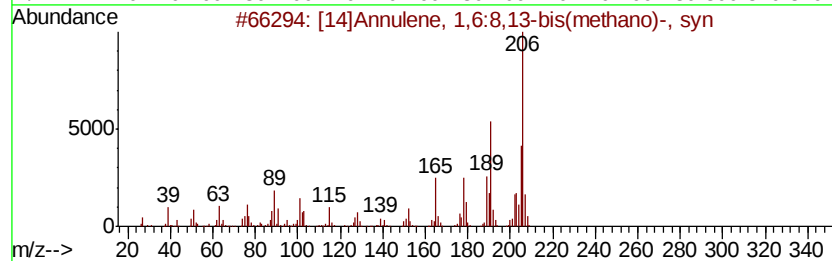
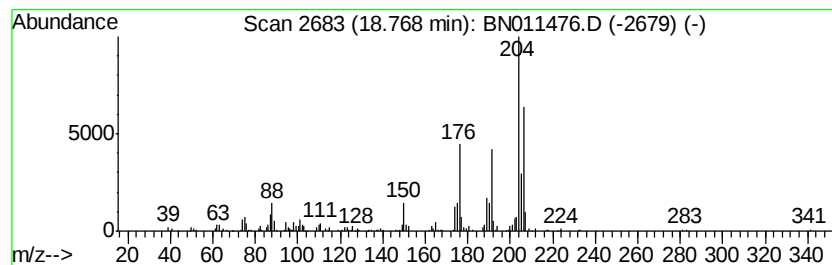
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 [14]Annulene, 1,6:8,13-bis(...) Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	5.99 ng/ul	619614	Phenanthrene-d10	16.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	50
2		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	46
3		Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	46
4		Benzene, (2-methylene-1-phenyl)cy...	206	C16H14	025152-47-0	43
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081720\
Data File : BN011476.D
Acq On : 18 Aug 2020 07:14
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Misc :
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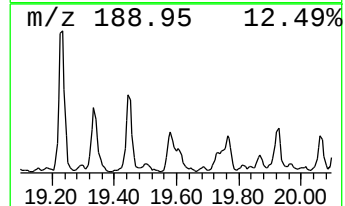
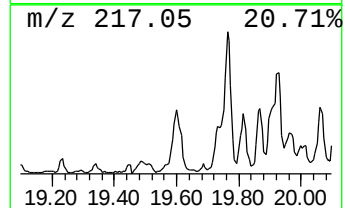
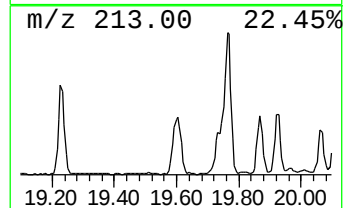
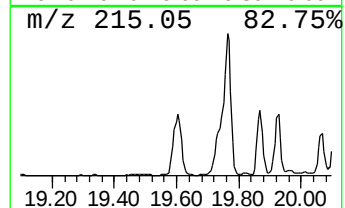
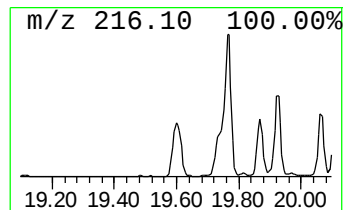
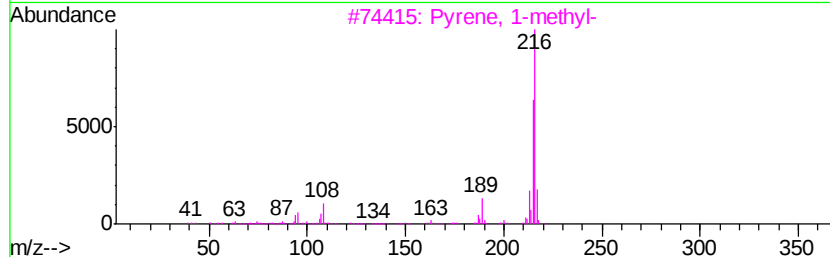
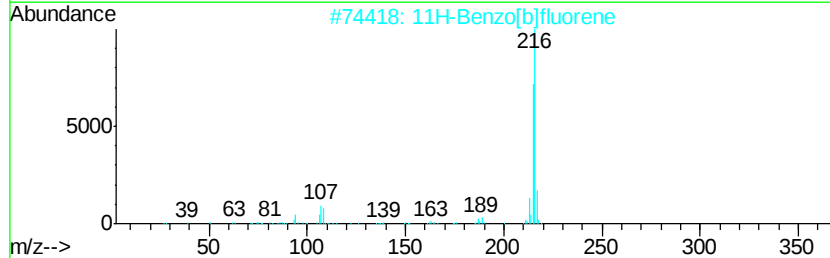
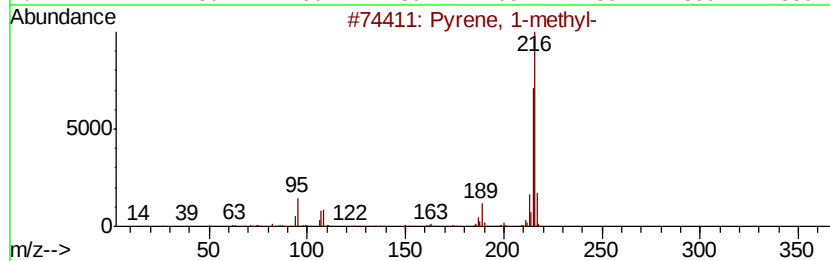
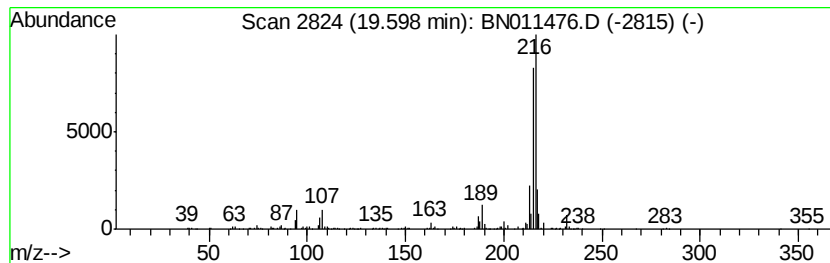
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.60	3.46 ng/ul	1429670	Chrysene-d12	21.04

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
3			Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
5			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081720\
Data File : BN011476.D
Acq On : 18 Aug 2020 07:14
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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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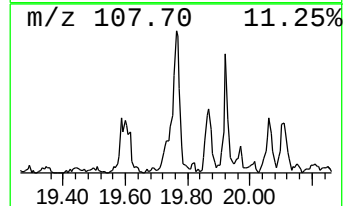
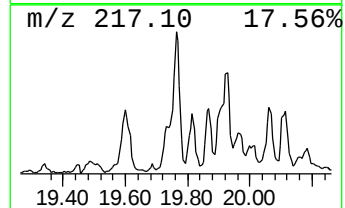
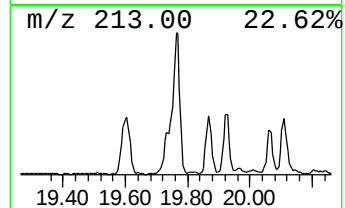
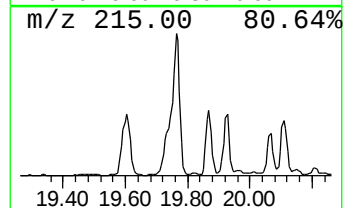
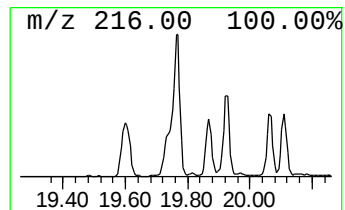
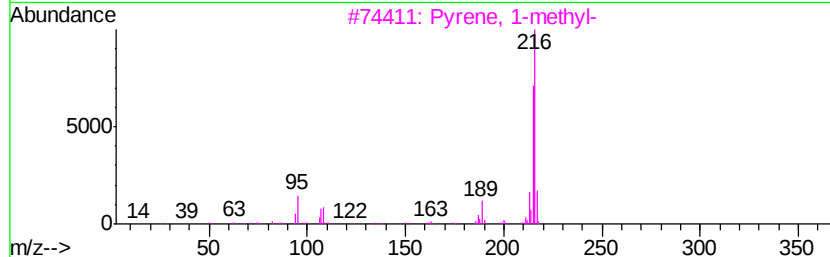
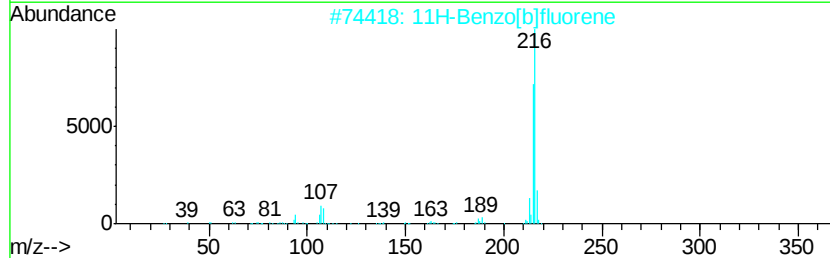
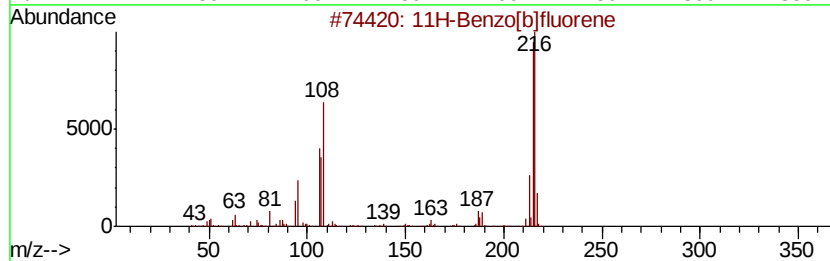
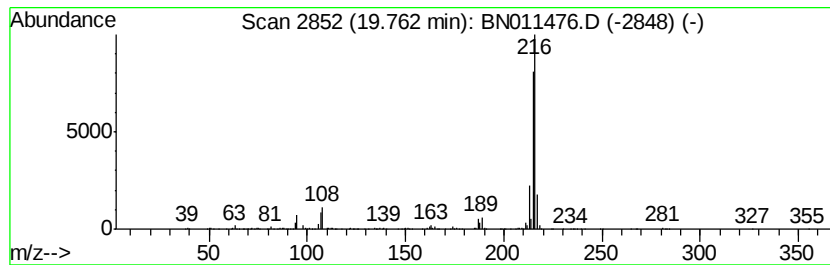
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.76	4.00 ng/ul	1654580	Chrysene-d12	21.04

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081720\
Data File : BN011476.D
Acq On : 18 Aug 2020 07:14
Operator : CG/JU
Sample : L3631-11DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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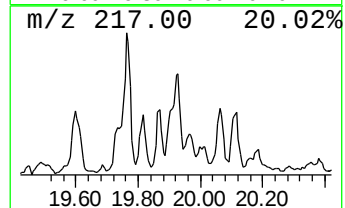
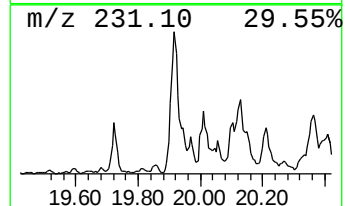
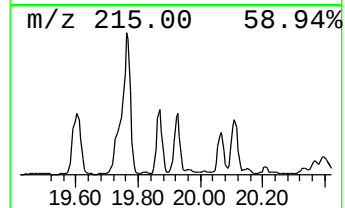
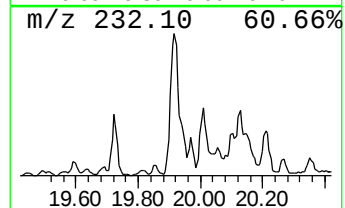
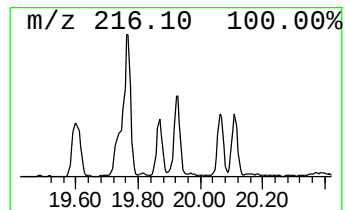
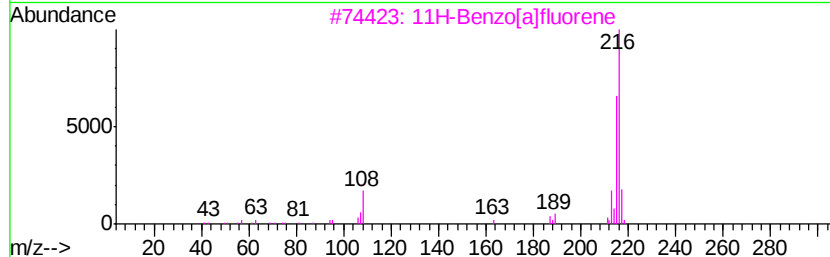
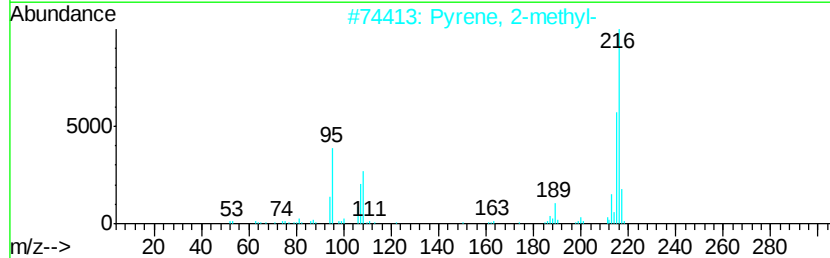
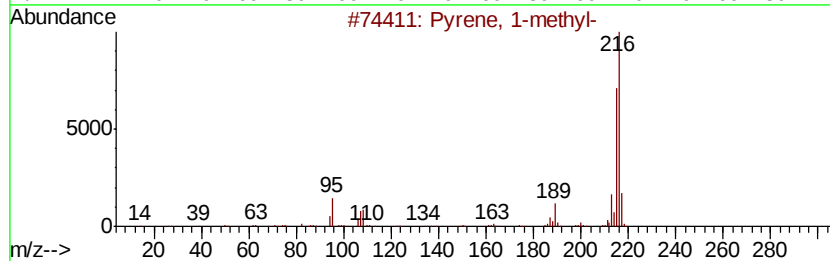
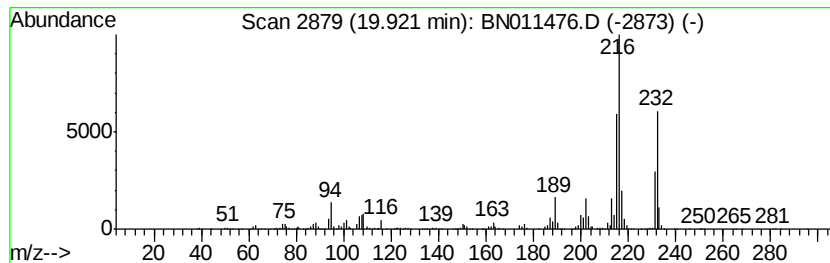
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 Pyrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	3.31 ng/ul	1368190	Chrysene-d12	21.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	60
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	60
5		Pyrene, 1-methyl-	216	C17H12	002381-21-7	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081720\
Data File : BN011476.D
Acq On : 18 Aug 2020 07:14
Operator : CG/JU
Sample : L3631-11DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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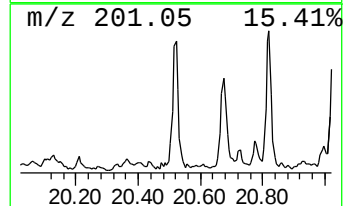
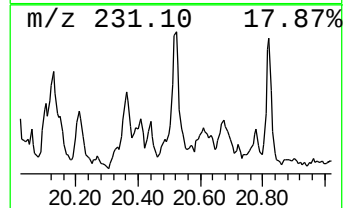
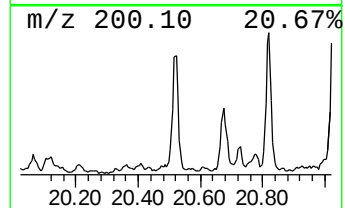
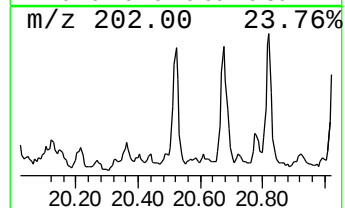
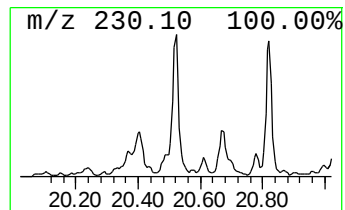
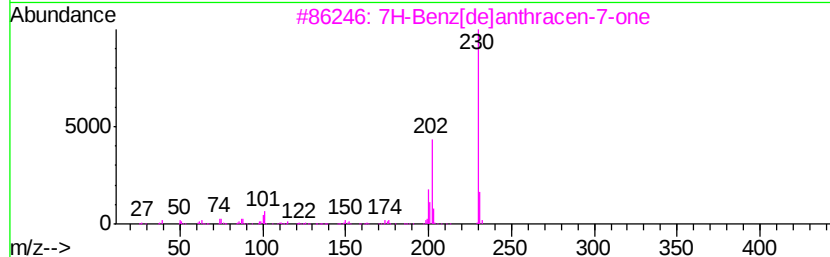
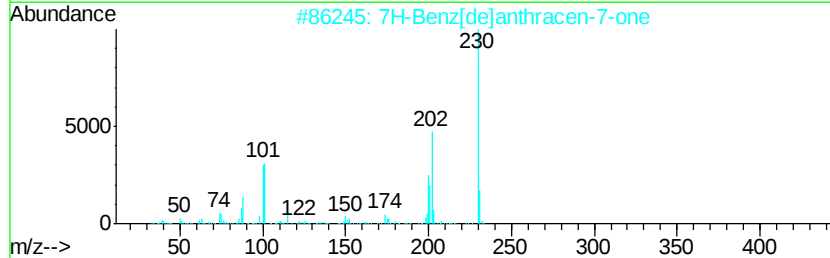
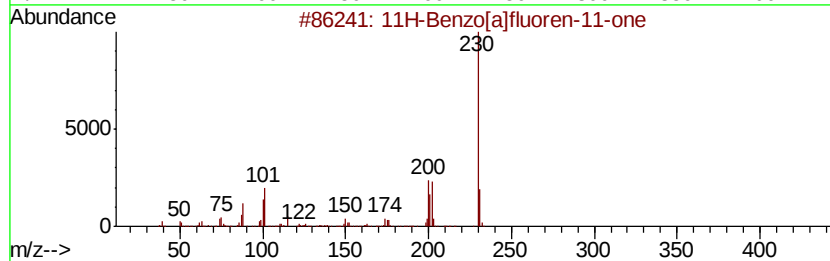
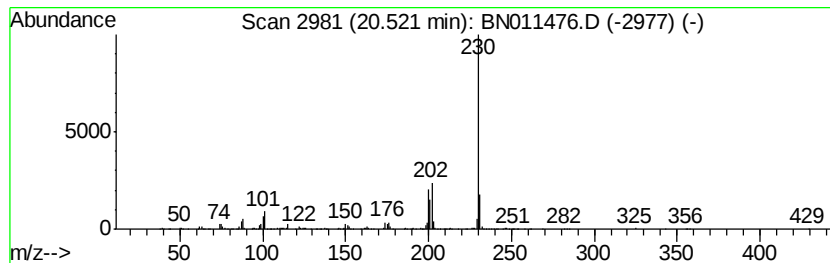
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.52	2.06 ng/ul	852653	Chrysene-d12	21.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
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	90
4		1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	86
5		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081720\
Data File : BN011476.D
Acq On : 18 Aug 2020 07:14
Operator : CG/JU
Sample : L3631-11DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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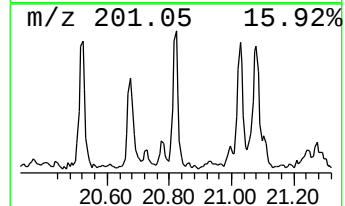
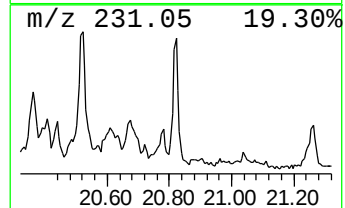
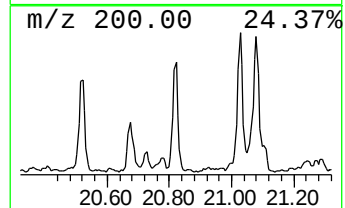
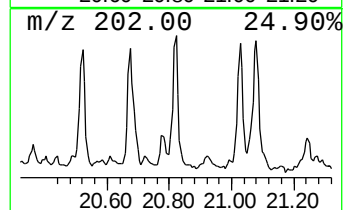
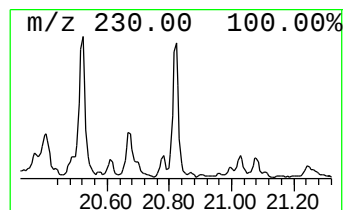
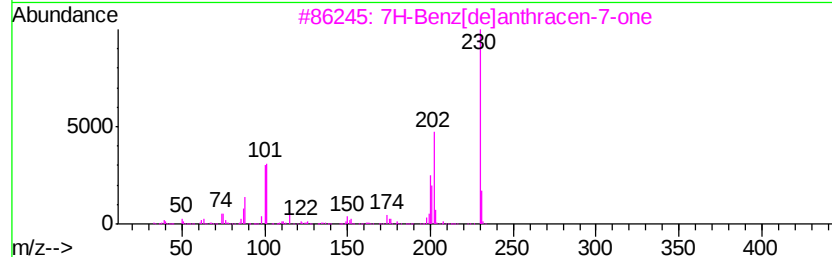
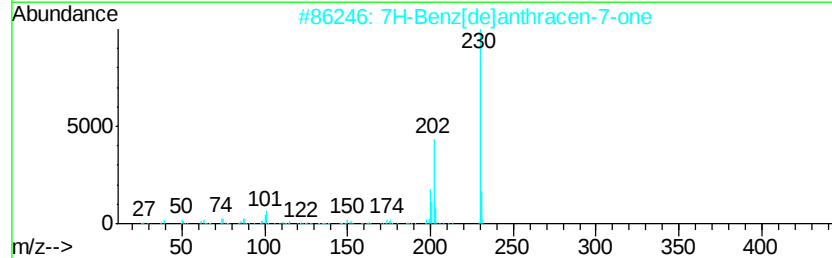
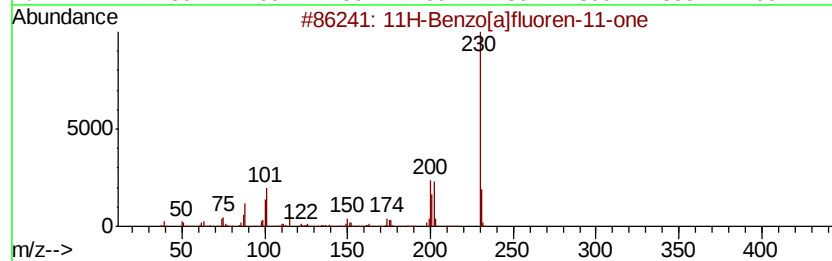
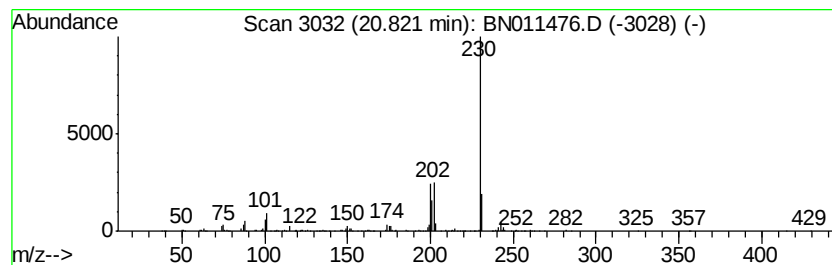
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 7H-Benz[de]anthracen-7-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.82	2.30 ng/ul	950833	Chrysene-d12	21.04

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		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081720\
Data File : BN011476.D
Acq On : 18 Aug 2020 07:14
Operator : CG/JU
Sample : L3631-11DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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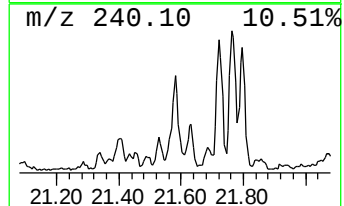
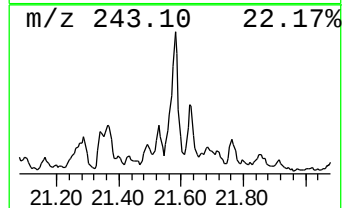
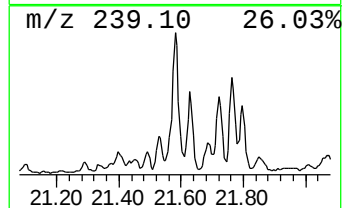
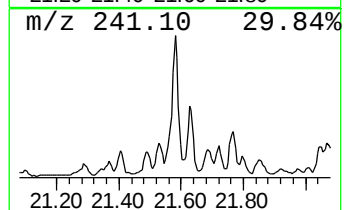
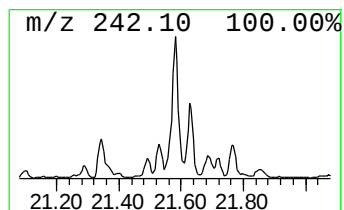
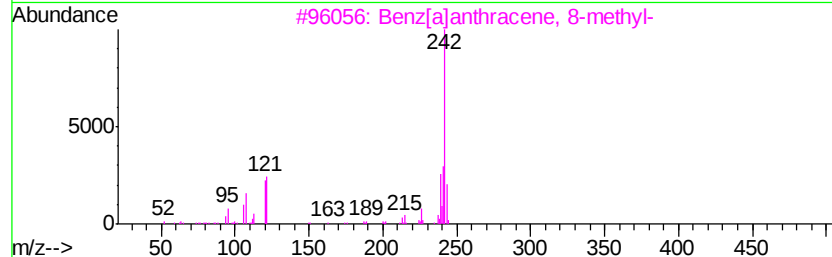
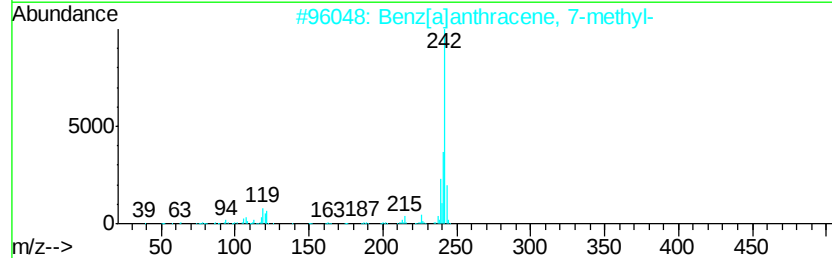
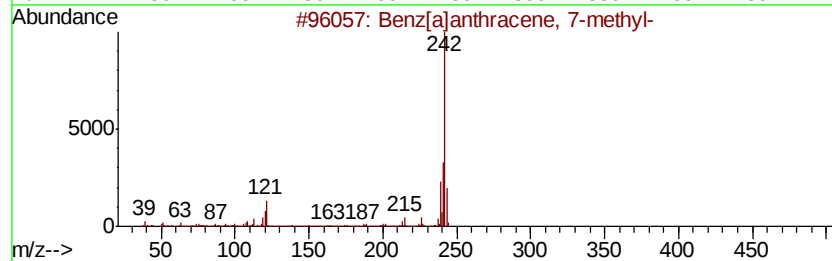
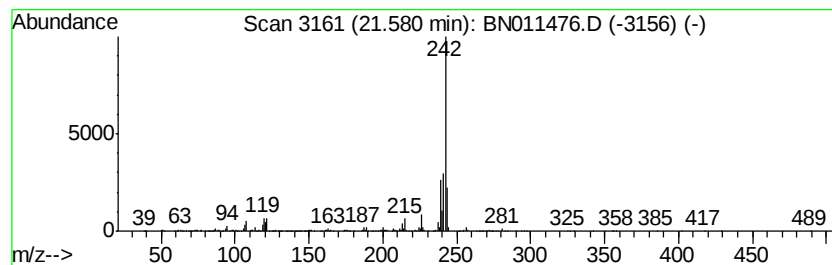
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 Benz[a]anthracene, 7-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.58	3.04 ng/ul	1257740	Chrysene-d12	21.04

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	96
2			Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
3			Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
4			Chrysene, 3-methyl-	242	C19H14	003351-31-3	94
5			Chrysene, 1-methyl-	242	C19H14	003351-28-8	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081720\
Data File : BN011476.D
Acq On : 18 Aug 2020 07:14
Operator : CG/JU
Sample : L3631-11DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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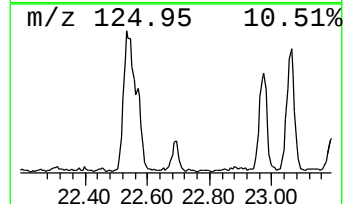
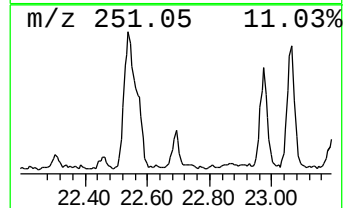
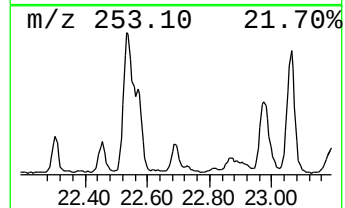
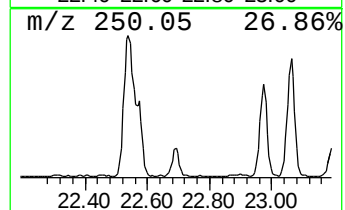
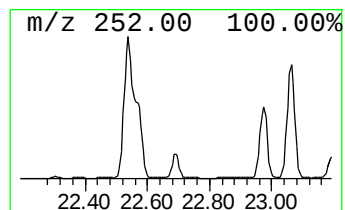
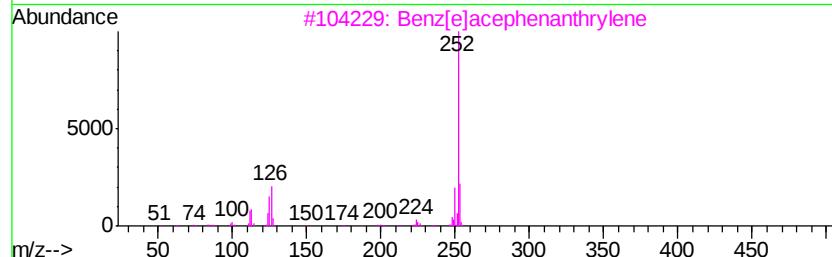
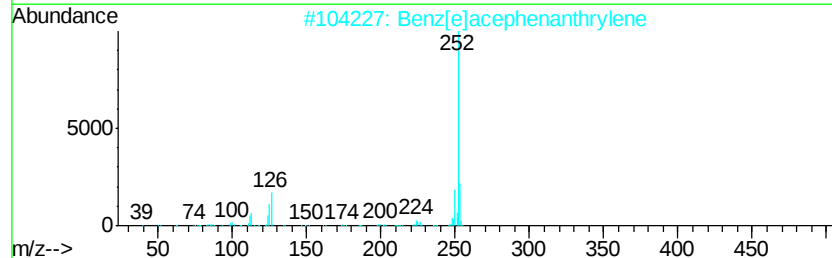
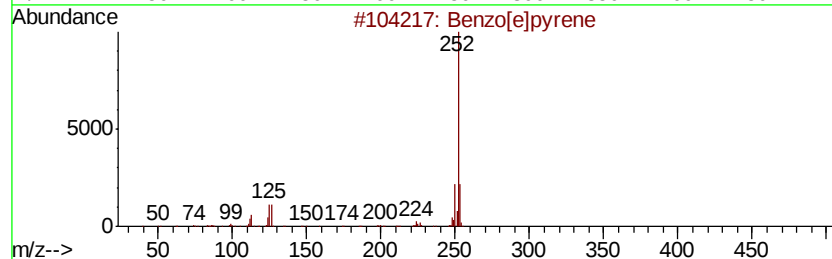
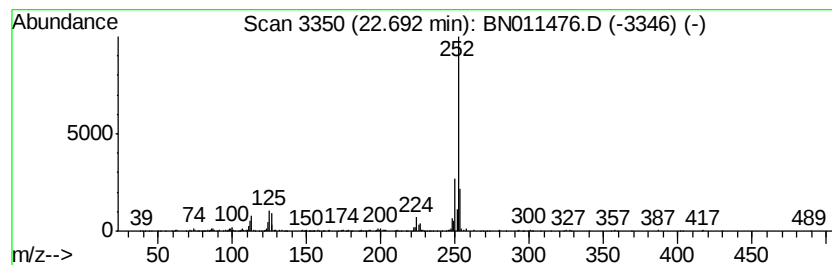
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.69	3.57 ng/ul	485825	Perylene-d12	23.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081720\
Data File : BN011476.D
Acq On : 18 Aug 2020 07:14
Operator : CG/JU
Sample : L3631-11DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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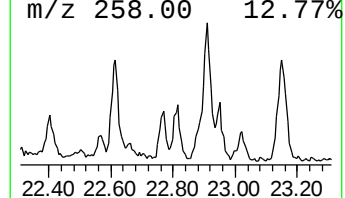
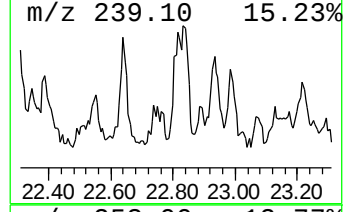
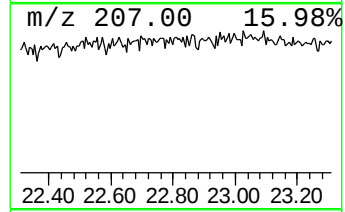
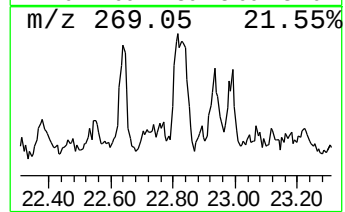
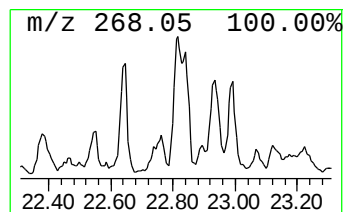
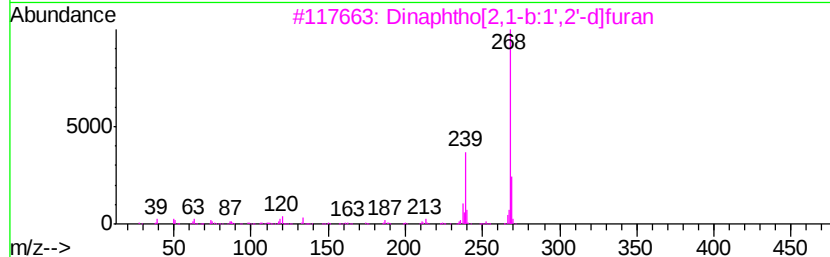
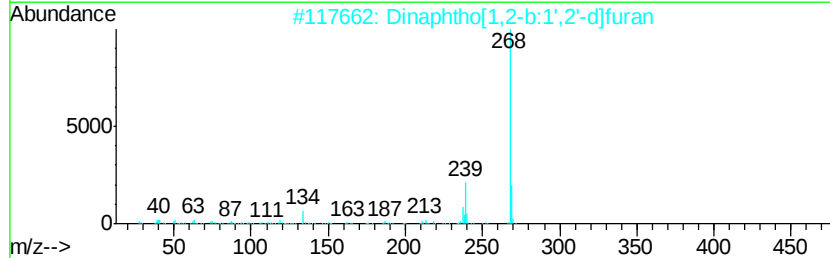
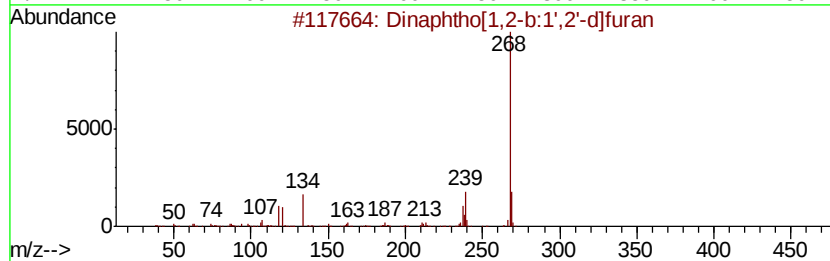
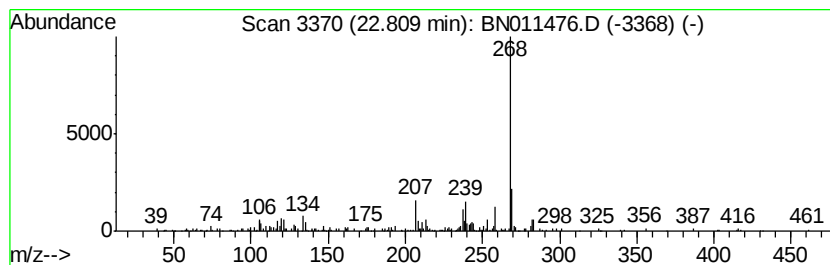
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.81	2.15 ng/ul	292681	Perylene-d12	23.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	91
2		Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	76
3		Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	68
4		4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	59
5		Pyrrolo[3,2-f]quinolin-9-one, 1,...	268	C17H20N2O	1000302-73-3	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081720\
 Data File : BN011476.D
 Acq On : 18 Aug 2020 07:14
 Operator : CG/JU
 Sample : L3631-11DL 2X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.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
Anthracene, 1,2,3...	16.58	3.0	ng/ul	314240	4	16.82	2070090	20.0
Dibenzothiophene	16.64	2.5	ng/ul	263065	4	16.82	2070090	20.0
Phenanthrene, 2-m...	17.70	9.3	ng/ul	959803	4	16.82	2070090	20.0
Phenanthrene, 1-m...	17.74	13.5	ng/ul	1395790	4	16.82	2070090	20.0
Anthracene, 2-met...	17.83	5.4	ng/ul	557595	4	16.82	2070090	20.0
4H-Cyclopenta[def...	17.89	12.6	ng/ul	1305870	4	16.82	2070090	20.0
1H-Indene, 2-phenyl-	17.93	5.7	ng/ul	592075	4	16.82	2070090	20.0
Naphthalene, 2-ph...	18.21	5.7	ng/ul	589799	4	16.82	2070090	20.0
9,10-Anthracenedione	18.24	2.2	ng/ul	224919	4	16.82	2070090	20.0
Phenanthrene, 4,5...	18.46	3.4	ng/ul	352542	4	16.82	2070090	20.0
Phenanthrene, 3,6...	18.55	2.3	ng/ul	235835	4	16.82	2070090	20.0
Phenanthrene, 2,5...	18.63	6.8	ng/ul	699359	4	16.82	2070090	20.0
unknown-01	18.70	3.5	ng/ul	366117	4	16.82	2070090	20.0
[14]Annulene, 1,6...	18.77	6.0	ng/ul	619614	4	16.82	2070090	20.0
Pyrene, 1-methyl-	19.60	3.5	ng/ul	1429670	5	21.04	8271260	20.0
11H-Benzo[b]fluorene	19.76	4.0	ng/ul	1654580	5	21.04	8271260	20.0
Pyrene, 2-methyl-	19.92	3.3	ng/ul	1368190	5	21.04	8271260	20.0
11H-Benzo[a]fluor...	20.52	2.1	ng/ul	852653	5	21.04	8271260	20.0
7H-Benz[de]anthra...	20.82	2.3	ng/ul	950833	5	21.04	8271260	20.0
Benz[a]anthracene...	21.58	3.0	ng/ul	1257740	5	21.04	8271260	20.0
Benzo[e]pyrene	22.69	3.6	ng/ul	485825	6	23.15	2721770	20.0
Dinaphtho[1,2-b:1...	22.81	2.1	ng/ul	292681	6	23.15	2721770	20.0