

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
 Data File : BN006058.D
 Acq On : 04 Jun 2019 04:40
 Operator : JU/SJ
 Sample : K2928-13DL 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A42C7DL

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-BN060319MA.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	3.760	98	103	108	rBV	106933	136262	1.23%	0.102%
2	6.901	627	637	649	rBV	511338	909505	8.20%	0.682%
3	7.065	655	665	678	rVB	442559	711765	6.42%	0.534%
4	7.265	692	699	706	rBV	577822	899350	8.11%	0.674%
5	7.730	764	778	786	rBV	1486747	2335620	21.06%	1.751%
6	8.436	892	898	906	rBV	538430	890264	8.03%	0.667%
7	8.883	968	974	983	rBV	474943	807674	7.28%	0.605%
8	9.607	1088	1097	1106	rBV	348116	604530	5.45%	0.453%
9	10.148	1182	1189	1199	rBV	554548	963209	8.69%	0.722%
10	10.518	1242	1252	1258	rBV	1784661	2983817	26.91%	2.237%
11	10.571	1258	1261	1265	rVV	67614	105870	0.95%	0.079%
12	10.618	1265	1269	1271	rVV3	63836	96822	0.87%	0.073%
13	10.659	1271	1276	1288	rVB	229234	490530	4.42%	0.368%
14	13.700	1788	1793	1798	rBV	66770	110559	1.00%	0.083%
15	13.794	1803	1809	1813	rVV	952264	1366325	12.32%	1.024%
16	13.842	1813	1817	1825	rVB	407439	591191	5.33%	0.443%
17	14.077	1851	1857	1861	rBV	1105659	1814620	16.36%	1.360%
18	14.389	1900	1910	1916	rBV2	2192615	3466450	31.26%	2.598%
19	14.447	1916	1920	1928	rVV	111476	185915	1.68%	0.139%
20	14.600	1939	1946	1953	rBV2	242406	469963	4.24%	0.352%
21	14.683	1955	1960	1967	rVV4	53299	137721	1.24%	0.103%
22	14.789	1967	1978	1985	rVV2	125804	293303	2.65%	0.220%
23	14.865	1986	1991	1996	rVB	106426	151259	1.36%	0.113%
24	15.006	2008	2015	2020	rBV3	119688	232135	2.09%	0.174%
25	15.183	2037	2045	2048	rBV3	105965	220890	1.99%	0.166%
26	15.241	2052	2055	2064	rVB2	63423	125383	1.13%	0.094%
27	15.347	2065	2073	2074	rBV6	66057	114939	1.04%	0.086%
28	15.383	2074	2079	2084	rVV	1306422	1859395	16.77%	1.394%
29	15.436	2084	2088	2093	rVV2	117467	158164	1.43%	0.119%
30	15.524	2099	2103	2107	rBV5	56242	111138	1.00%	0.083%
31	15.653	2121	2125	2132	rVB2	104613	154965	1.40%	0.116%
32	15.730	2132	2138	2141	rBV3	81808	181642	1.64%	0.136%
33	15.889	2161	2165	2171	rVB2	91951	168219	1.52%	0.126%
34	16.030	2184	2189	2195	rBV	155229	265276	2.39%	0.199%

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35	16.112	2198	2203	2210	rVB3	246224	464529	4.19%	0.348%
36	16.253	2223	2227	2230	rBV2	88881	129876	1.17%	0.097%
37	16.447	2253	2260	2264	rBV5	129812	266456	2.40%	0.200%
38	16.494	2265	2268	2274	rVB2	102549	181663	1.64%	0.136%
39	16.594	2283	2285	2290	rVB2	105579	140655	1.27%	0.105%
40	16.653	2291	2295	2296	rBV	74365	98615	0.89%	0.074%
41	16.677	2296	2299	2302	rVV2	84879	126591	1.14%	0.095%
42	16.712	2302	2305	2309	rVB2	150057	201999	1.82%	0.151%
43	16.800	2315	2320	2325	rBV3	153373	252932	2.28%	0.190%
44	16.871	2329	2332	2334	rVV2	138338	202221	1.82%	0.152%
45	16.900	2335	2337	2343	rVV3	189909	263742	2.38%	0.198%
46	16.959	2343	2347	2356	rVB3	168086	324282	2.92%	0.243%
47	17.141	2372	2378	2382	rBV2	2594682	3650851	32.92%	2.737%
48	17.183	2382	2385	2390	rVV	2181950	3024024	27.27%	2.267%
49	17.241	2390	2395	2398	rVV	1361974	1979924	17.86%	1.484%
50	17.277	2398	2401	2406	rVB	694029	894000	8.06%	0.670%
51	17.330	2406	2410	2416	rBV3	189344	377327	3.40%	0.283%
52	17.547	2444	2447	2451	rBV2	159045	266042	2.40%	0.199%
53	17.641	2460	2463	2465	rBV2	116370	148188	1.34%	0.111%
54	17.724	2473	2477	2487	rVB2	311690	494812	4.46%	0.371%
55	17.871	2498	2502	2508	rVB	91708	168121	1.52%	0.126%
56	17.941	2510	2514	2518	rBV	128448	180075	1.62%	0.135%
57	18.018	2523	2527	2531	rVV	898801	1264543	11.40%	0.948%
58	18.071	2531	2536	2542	rVB	1164193	1737016	15.66%	1.302%
59	18.147	2545	2549	2554	rBV	446541	635900	5.73%	0.477%
60	18.212	2554	2560	2564	rVV2	1429427	2714826	24.48%	2.035%
61	18.253	2564	2567	2573	rVB	919944	1233732	11.13%	0.925%
62	18.335	2577	2581	2584	rBV3	257955	350117	3.16%	0.262%
63	18.418	2591	2595	2599	rBV2	280019	410723	3.70%	0.308%
64	18.524	2609	2613	2617	rBV2	634860	882033	7.95%	0.661%
65	18.571	2617	2621	2631	rVB3	445546	852310	7.69%	0.639%
66	18.647	2631	2634	2637	rBV	210510	283801	2.56%	0.213%
67	18.741	2647	2650	2652	rBV3	267552	325521	2.94%	0.244%
68	18.771	2652	2655	2660	rVV	522063	807534	7.28%	0.605%
69	18.824	2661	2664	2667	rVV	463113	597502	5.39%	0.448%
70	18.859	2667	2670	2674	rVB2	344033	467561	4.22%	0.350%
71	18.947	2680	2685	2689	rBV	1443620	2389049	21.55%	1.791%

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72	19.041	2698	2701	2704	rVB	478619	548787	4.95%	0.411%
73	19.088	2704	2709	2716	rBV3	849306	1760873	15.88%	1.320%
74	19.212	2725	2730	2737	rVB	6549241	8883986	80.12%	6.659%
75	19.277	2738	2741	2744	rVV2	309776	383291	3.46%	0.287%
76	19.312	2744	2747	2751	rVB2	426521	528064	4.76%	0.396%
77	19.365	2753	2756	2759	rVB	226276	247471	2.23%	0.185%
78	19.459	2769	2772	2774	rBV2	295846	326457	2.94%	0.245%
79	19.547	2782	2787	2789	rBV3	2574320	3686515	33.25%	2.763%
80	19.582	2789	2793	2800	rVV	6603524	10024187	90.40%	7.514%
81	19.653	2801	2805	2811	rVB2	685848	1185968	10.70%	0.889%
82	19.812	2829	2832	2838	rVB2	446114	723829	6.53%	0.543%
83	19.906	2843	2848	2859	rBV6	989942	2656684	23.96%	1.991%
84	20.047	2867	2872	2873	rBV3	695949	1090066	9.83%	0.817%
85	20.077	2874	2877	2886	rVB2	1267051	1835634	16.55%	1.376%
86	20.177	2891	2894	2898	rBV2	587671	696597	6.28%	0.522%
87	20.235	2900	2904	2908	rVB2	1237204	1704967	15.38%	1.278%
88	20.377	2924	2928	2932	rBV	1001054	1414386	12.76%	1.060%
89	20.424	2932	2936	2940	rVB	972949	1270641	11.46%	0.952%
90	20.829	3002	3005	3011	rVB	1193324	1687688	15.22%	1.265%
91	21.035	3037	3040	3043	rVB	757030	736298	6.64%	0.552%
92	21.076	3043	3047	3052	rVV3	584281	1058738	9.55%	0.794%
93	21.129	3053	3056	3062	rVB	861628	1278083	11.53%	0.958%
94	21.341	3087	3092	3098	rBV2	5265122	11088591	100.00%	8.312%
95	21.394	3098	3101	3111	rVB	4524636	5888282	53.10%	4.414%
96	21.918	3187	3190	3193	rVB	936239	1001554	9.03%	0.751%
97	22.959	3361	3367	3373	rBV	3003553	7623394	68.75%	5.714%
98	23.447	3446	3450	3455	rBV	1762739	2824747	25.47%	2.117%
99	23.547	3463	3467	3474	rVB	3060195	5257910	47.42%	3.941%
100	23.647	3479	3484	3489	rVV	1747103	3092048	27.88%	2.318%

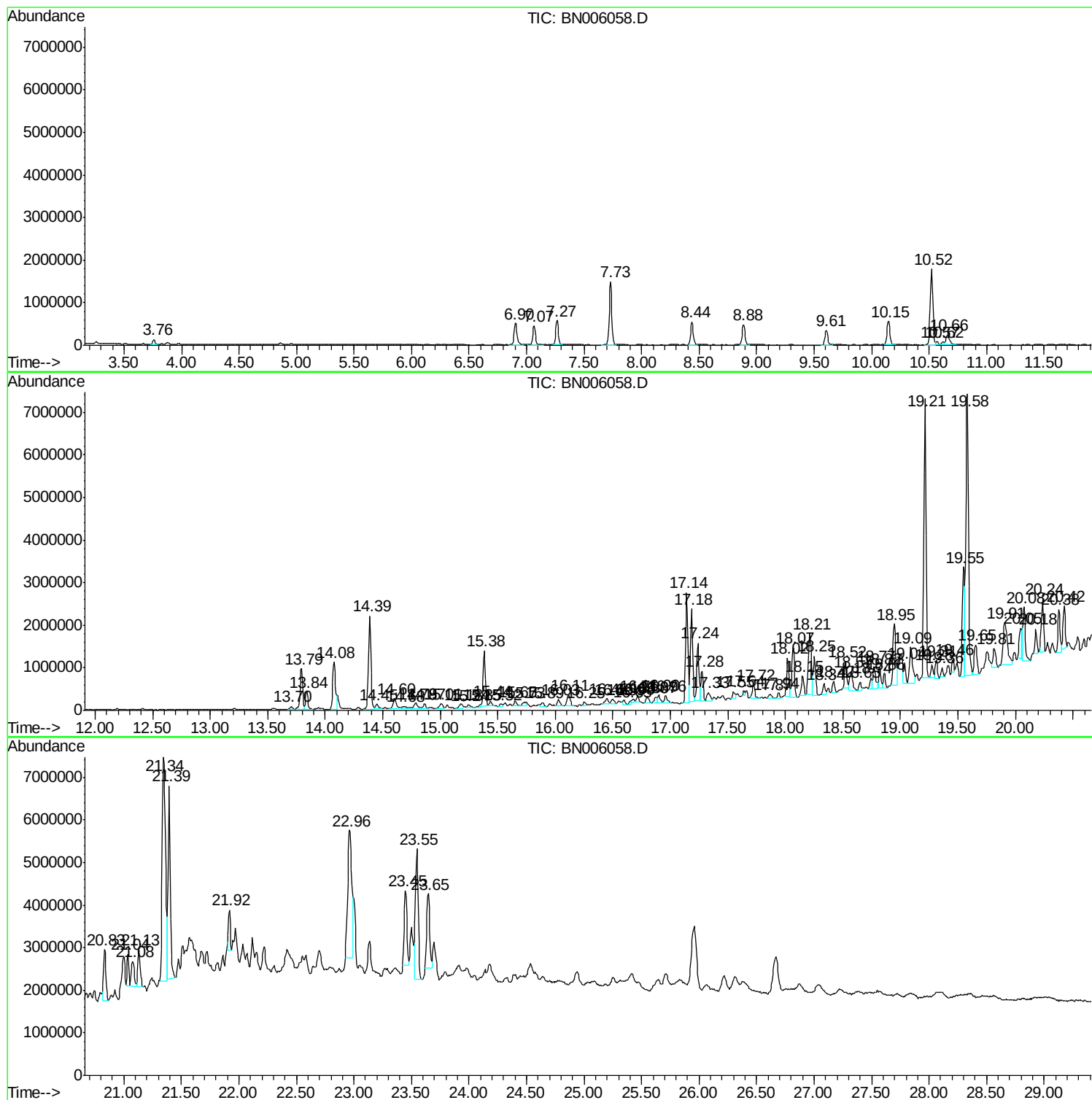
Sum of corrected areas: 133409499

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ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampled :
A42C7DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060319MA.M
Quant Title : SVOA CALIBRATION

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



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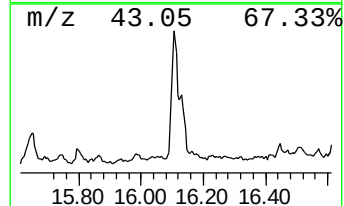
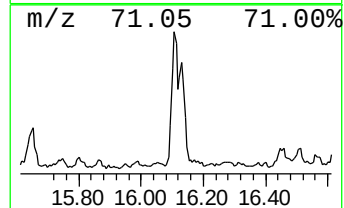
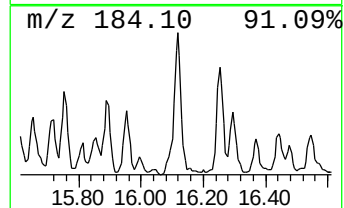
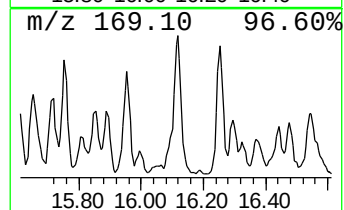
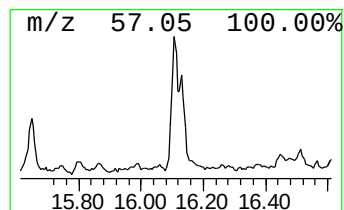
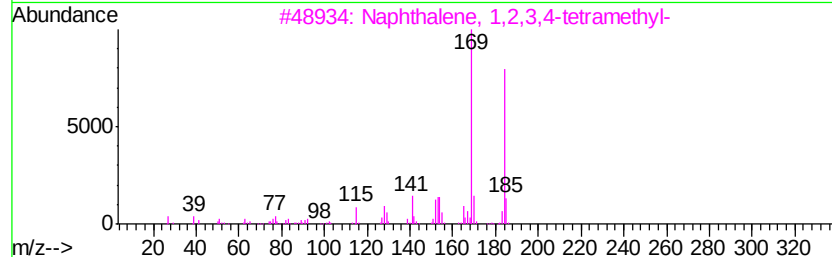
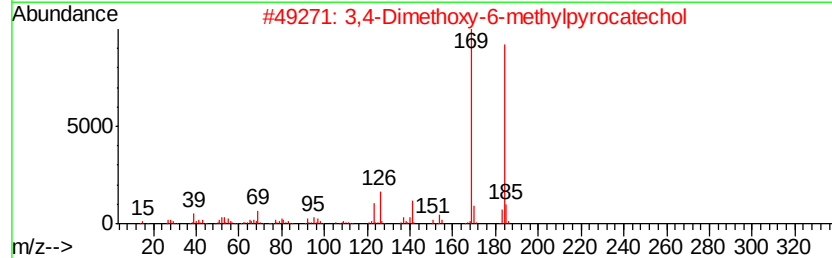
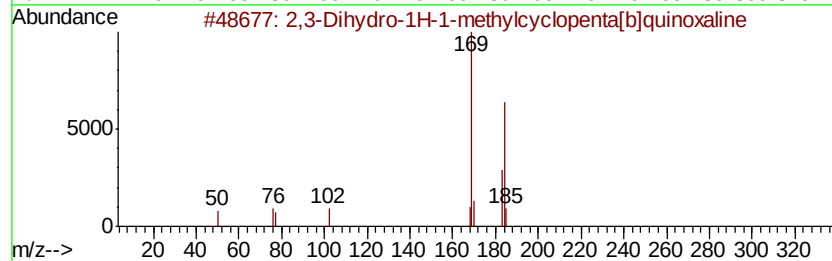
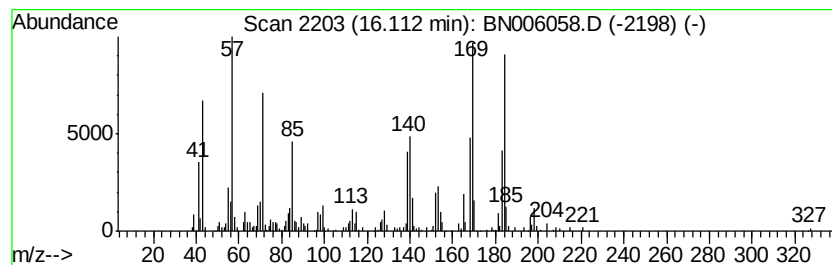
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060319MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 unknown-01 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.11	2.54 ng/ul	464529	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,3-Dihydro-1H-1-methylcyclopent...	184	C12H12N2	026629-21-0	46
2		3,4-Dimethoxy-6-methylpyrocatechol	184	C9H12O4	054826-79-8	38
3		Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	38
4		Naphthalene, 1-methyl-7-(1-methyl...	184	C14H16	000490-65-3	38
5		Pyridine, 4-(phenylmethyl)-	169	C12H11N	002116-65-6	35



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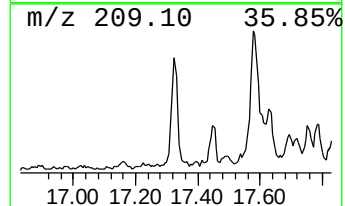
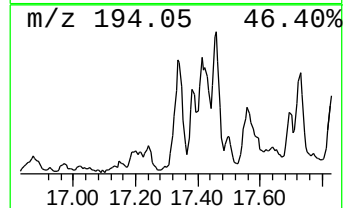
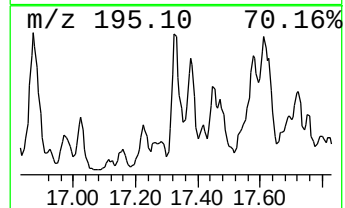
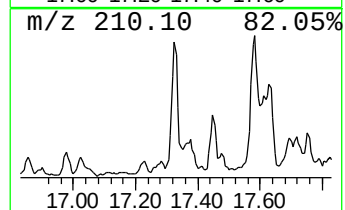
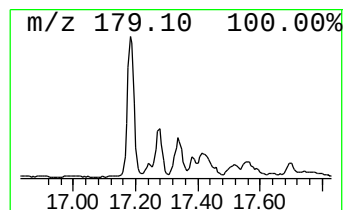
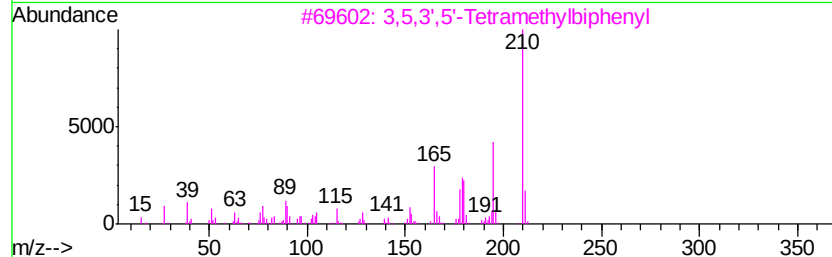
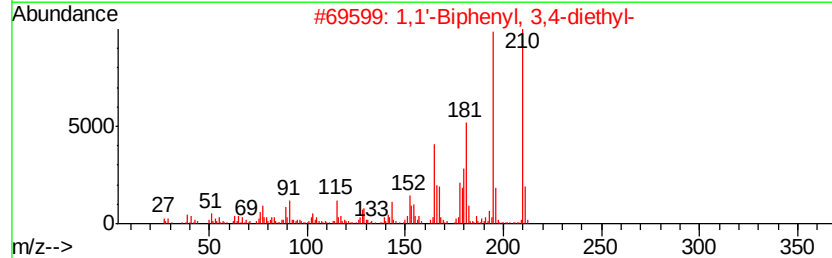
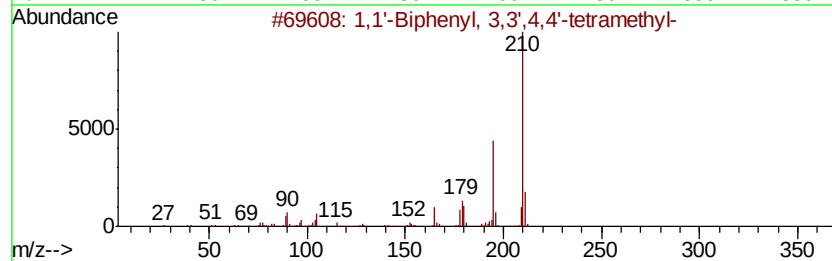
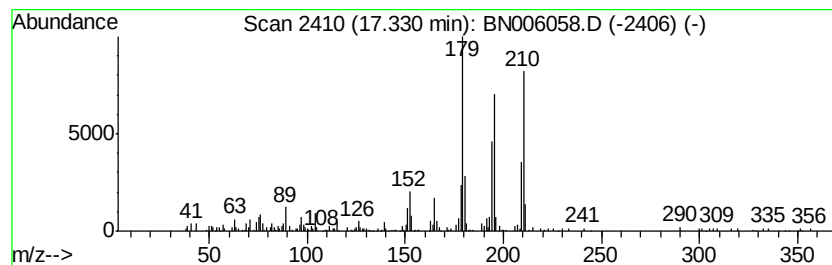
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown-02 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.33	2.07 ng/ul	377327	Phenanthrene-d10	17.14
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1,1'-Biphenyl, 3,3',4,4'-tetrame...	210 C16H18	004920-95-0	49
2	1,1'-Biphenyl, 3,4-diethyl-	210 C16H18	061141-66-0	46
3	3,5,3',5'-Tetramethylbiphenyl	210 C16H18	025570-02-9	43
4	3,5,3',5'-Tetramethylbiphenyl	210 C16H18	025570-02-9	38
5	3H-Pyrrolo[3,2-H]quinoline, 2,3,...	210 C14H14N2	083958-38-7	38



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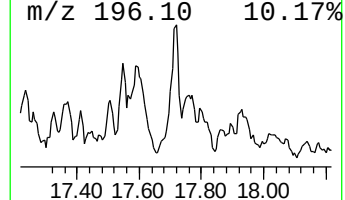
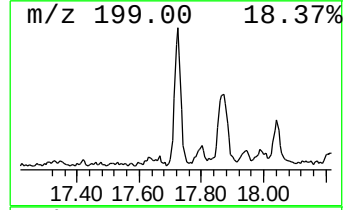
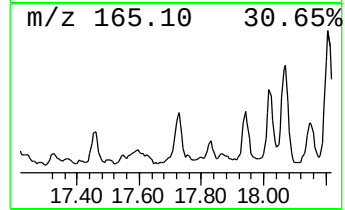
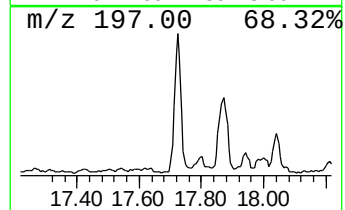
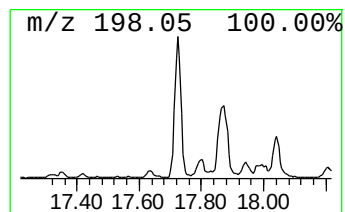
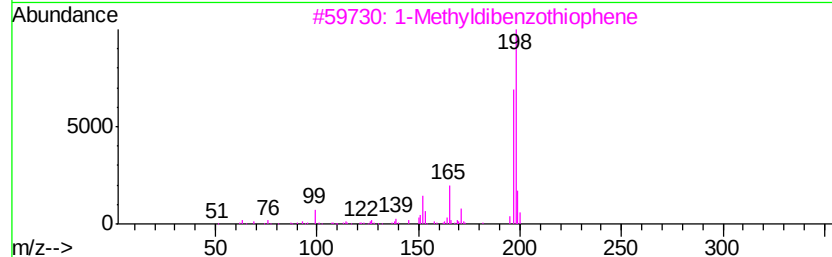
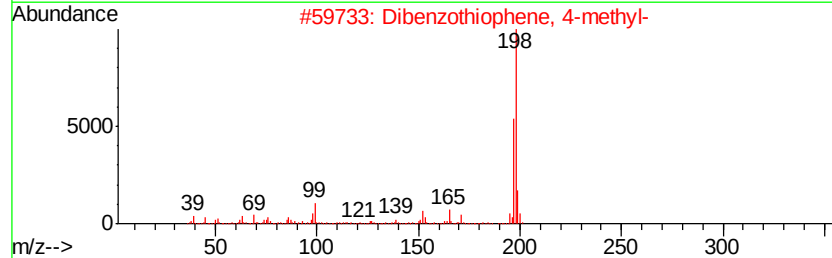
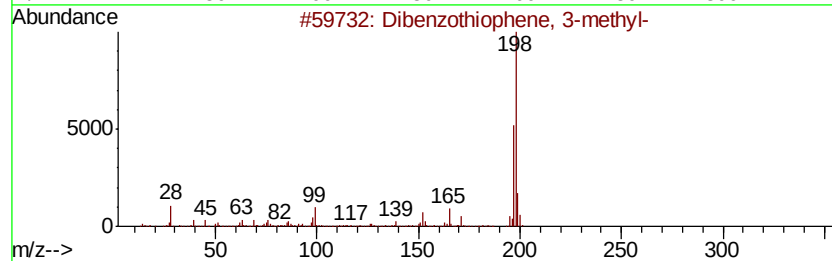
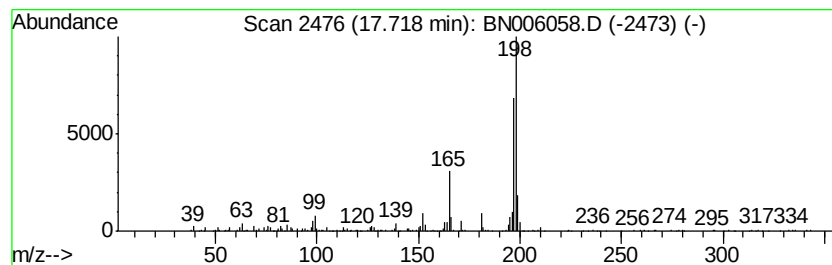
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Quant Title : SVOA CALIBRATION

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

Peak Number 3 Dibenzothiophene, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.72	2.71 ng/ul	494812	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
2		Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
3		1-Methylidibenzothiophene	198	C13H10S	031317-07-4	83
4		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72
5		Tacrine	198	C13H14N2	000321-64-2	64



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Operator : JU/SJ
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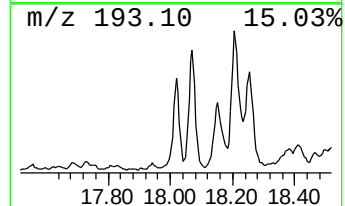
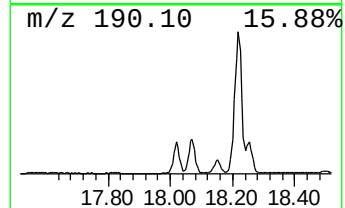
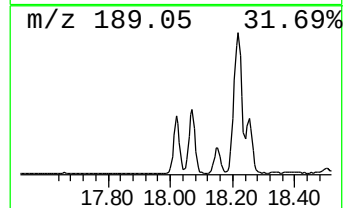
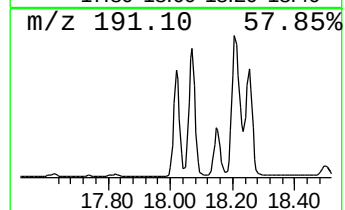
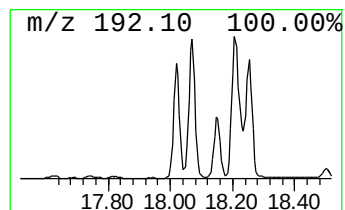
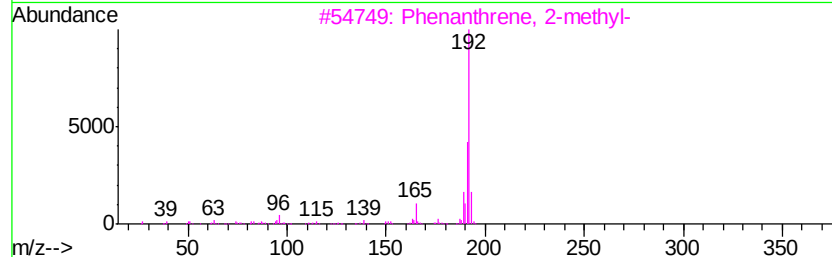
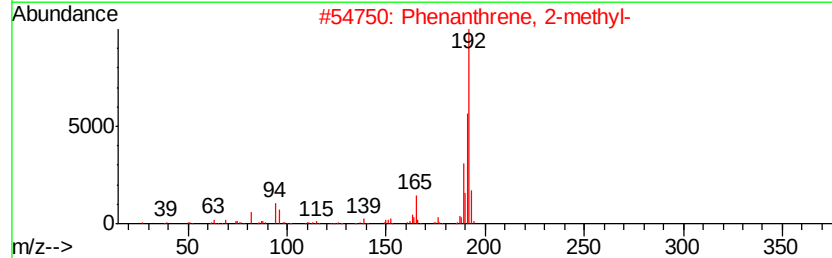
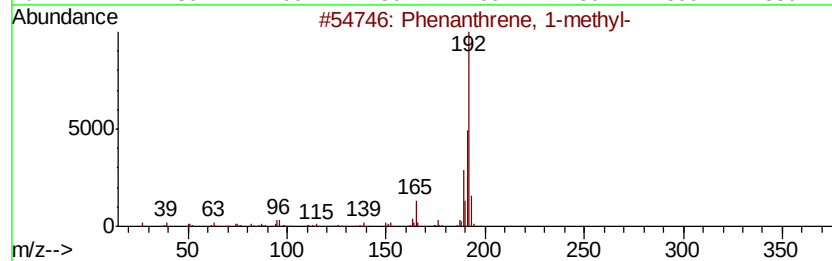
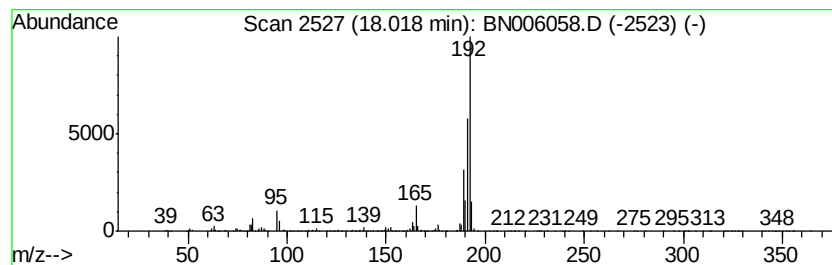
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.
18.02	6.93 ng/ul	1264540	Phenanthrene-d10		17.14

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97	
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97	
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96	
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96	
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96	



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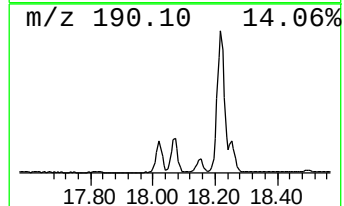
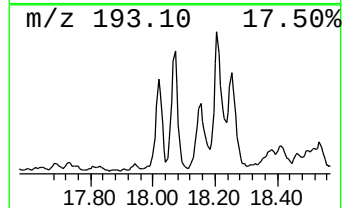
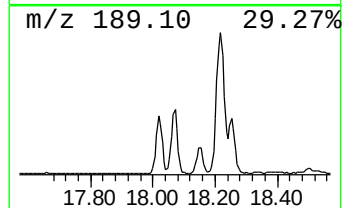
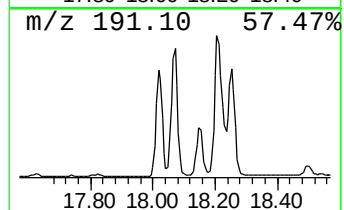
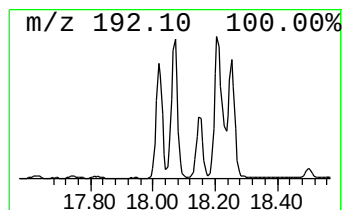
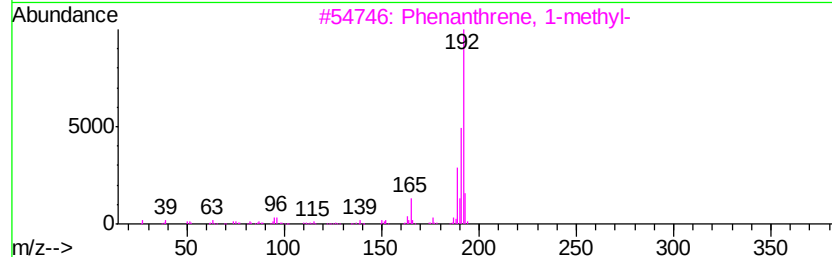
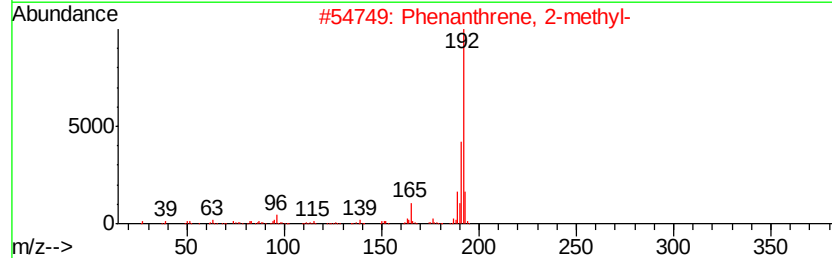
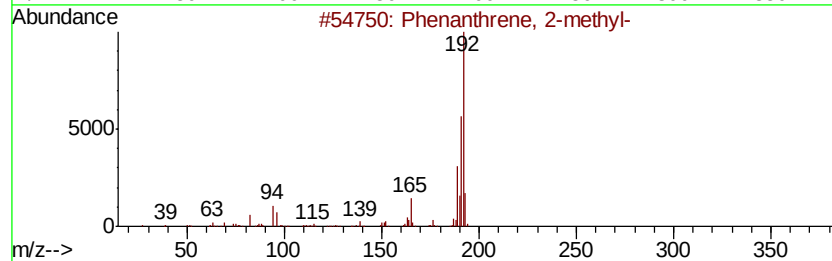
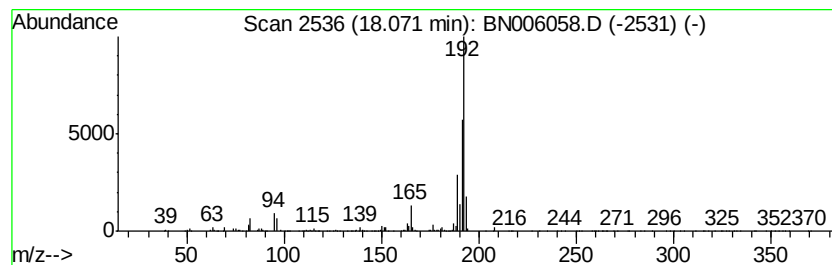
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	9.52 ng/ul	1737020	Phenanthrene-d10	17.14

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	97
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5		1H-Cyclopropa[l]phenanthrene, 1a,...	192	C15H12	000949-41-7	96



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Misc :
ALS Vial : 24 Sample Multiplier: 1

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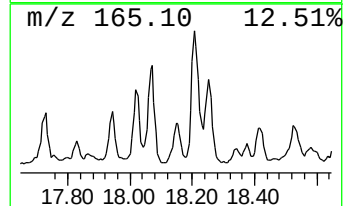
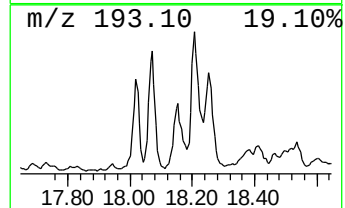
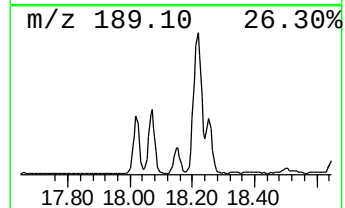
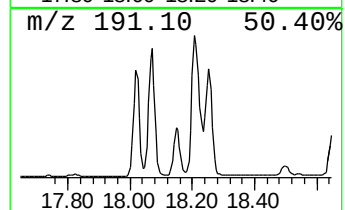
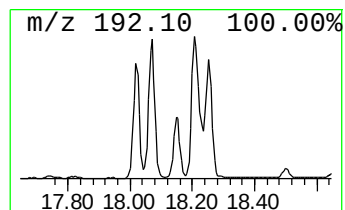
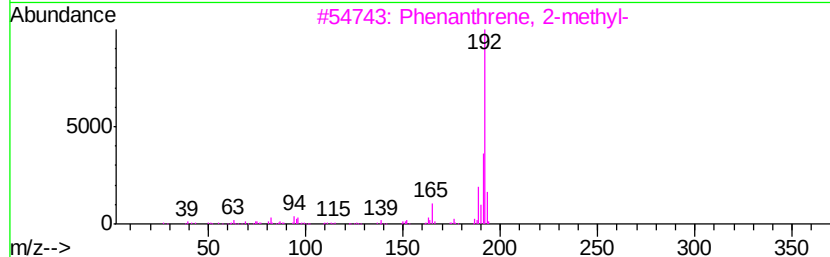
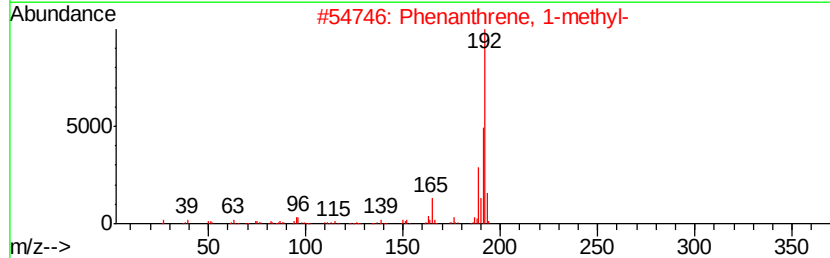
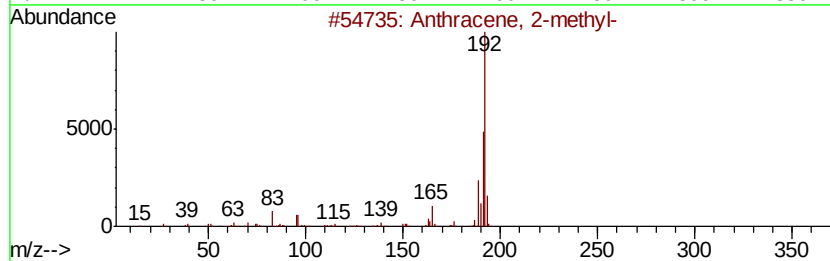
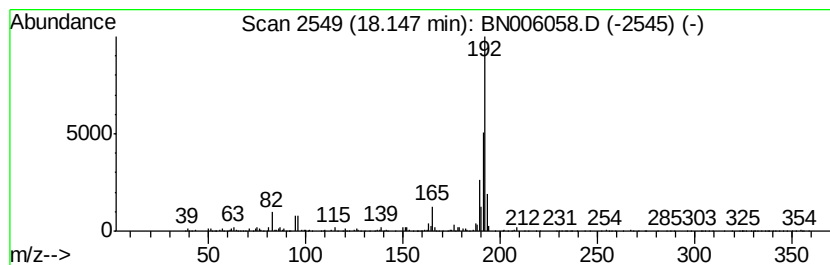
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	3.48 ng/ul	635900	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	96



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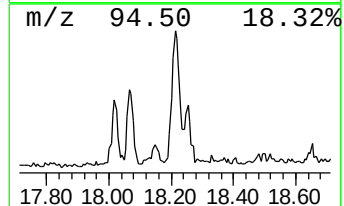
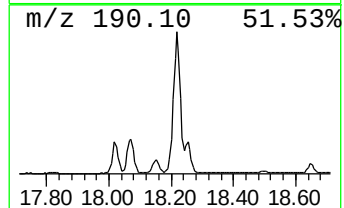
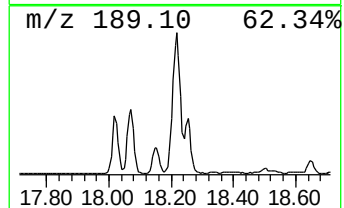
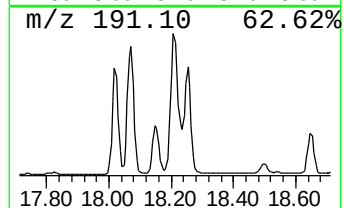
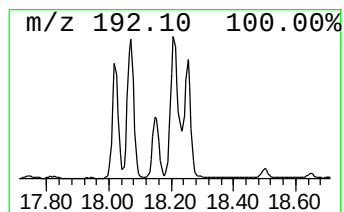
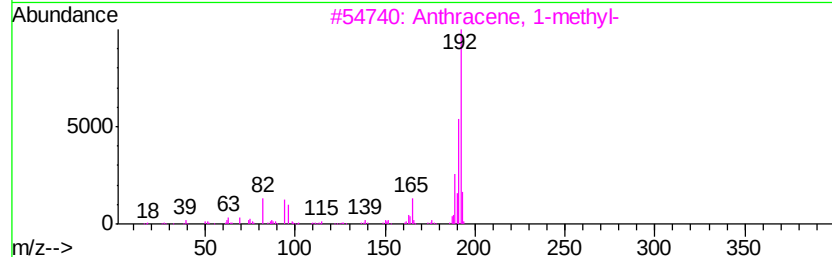
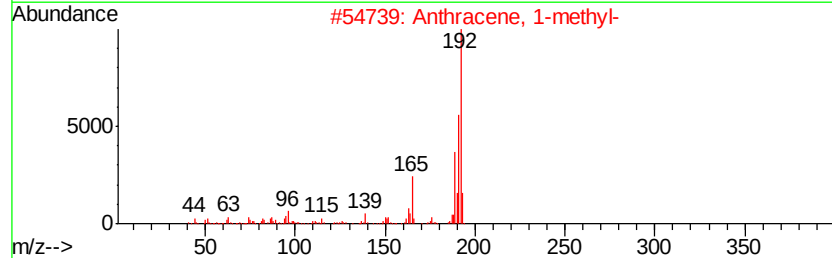
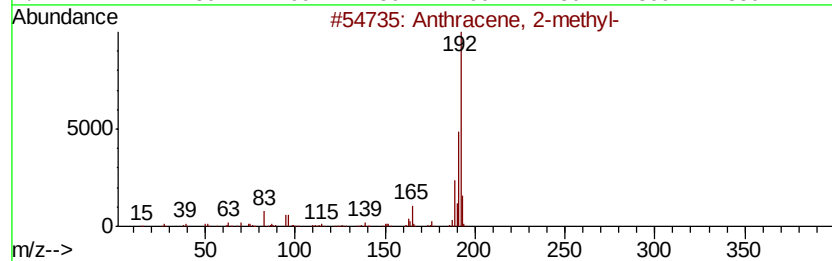
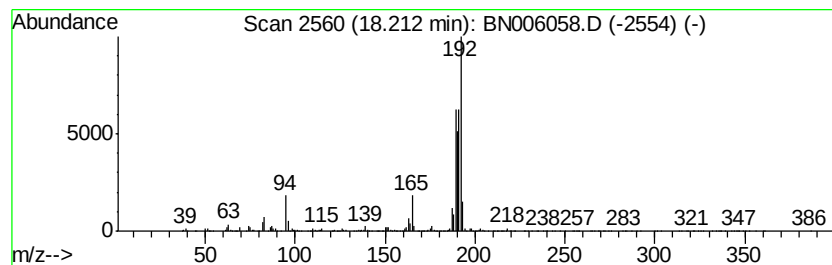
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Anthracene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.21	14.87 ng/ul	2714830	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	64
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	64



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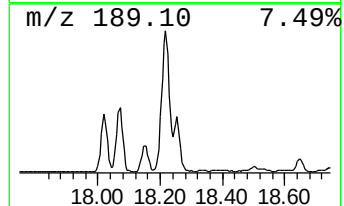
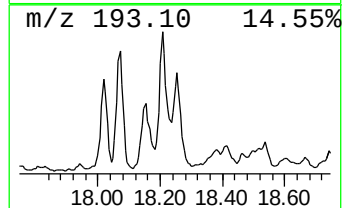
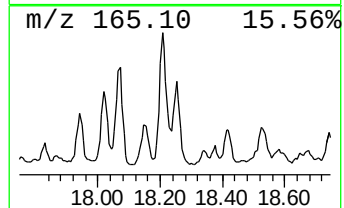
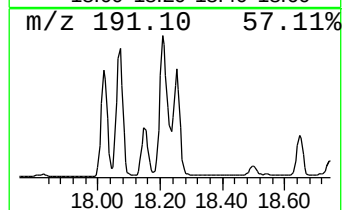
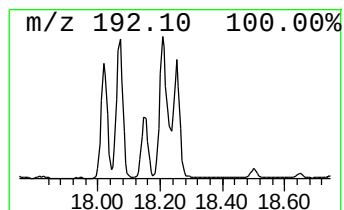
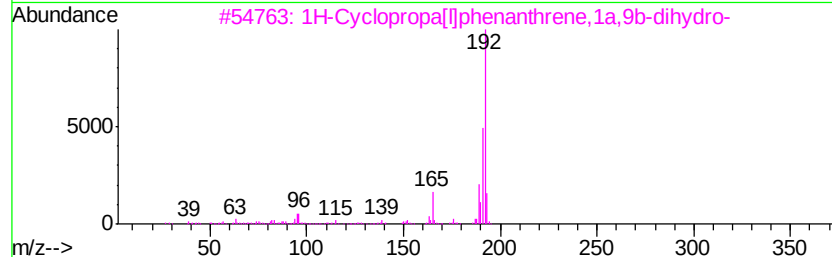
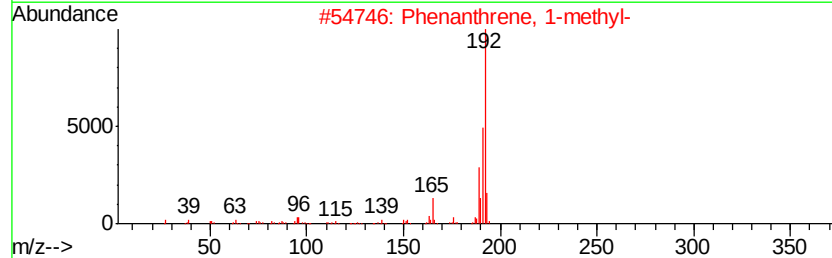
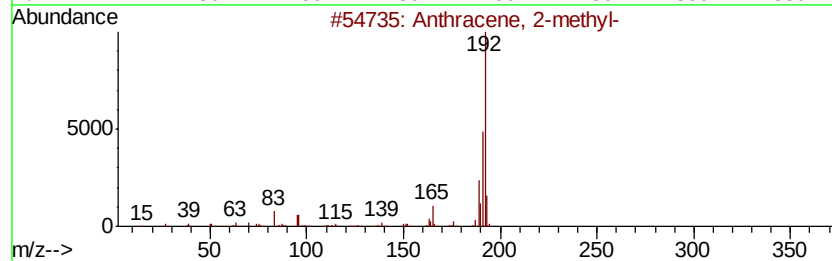
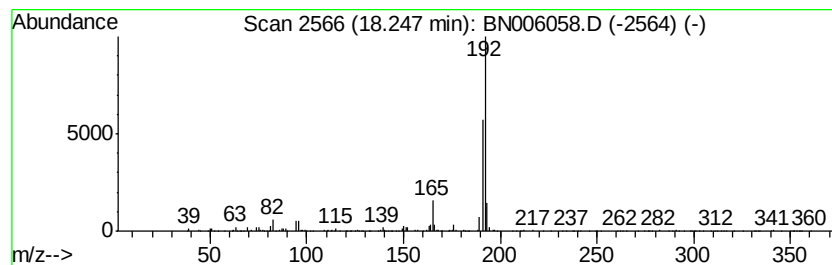
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	6.76 ng/ul	1233730	Phenanthrene-d10	17.14

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3		1H-Cyclopropa[l]phenanthrene, 1a,...	192	C15H12	000949-41-7	91
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90



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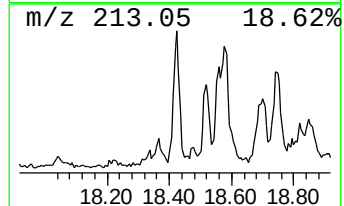
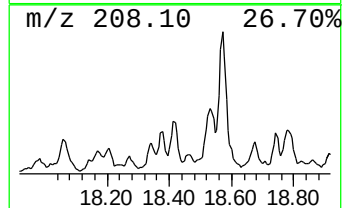
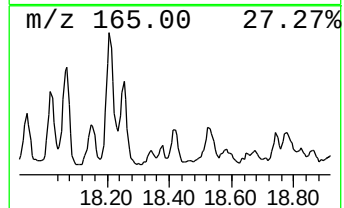
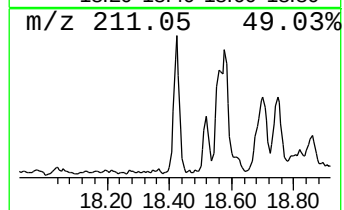
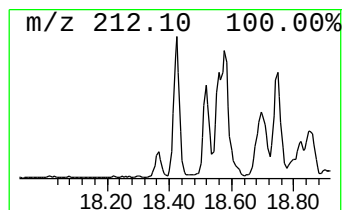
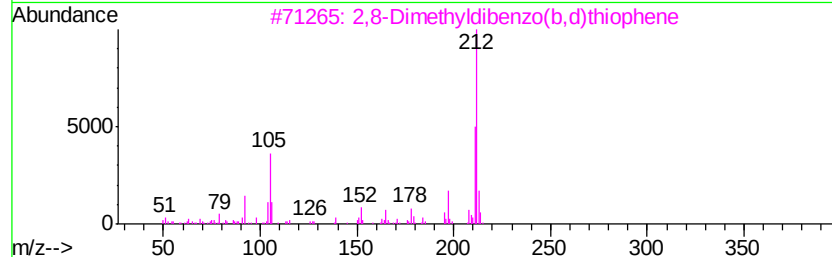
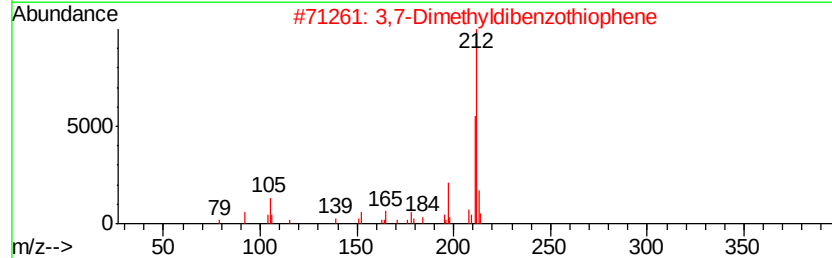
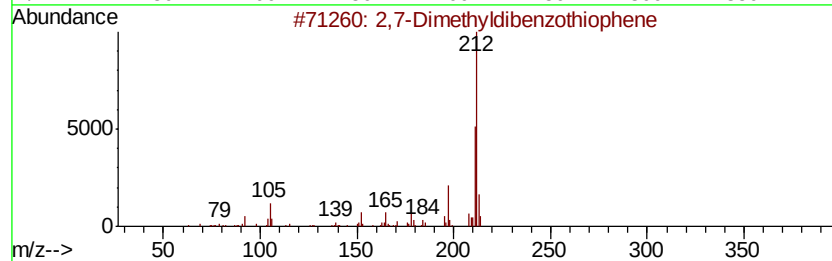
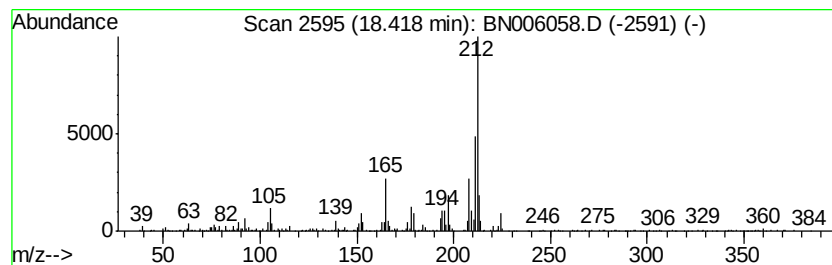
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 2,7-Dimethyldibenzothiophene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	2.25 ng/ul	410723	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	96
2		3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	96
3		2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	92
4		Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	86
5		2,6-Dimethyldibenzothiophene	212	C14H12S	089816-75-1	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
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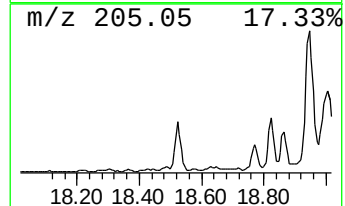
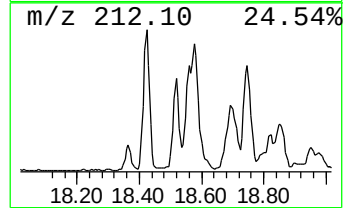
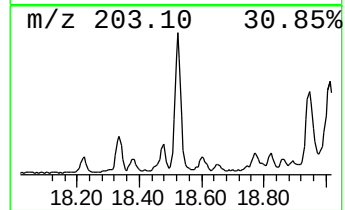
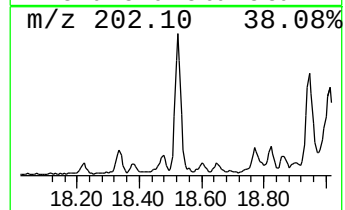
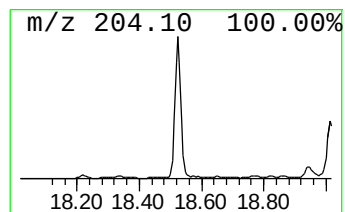
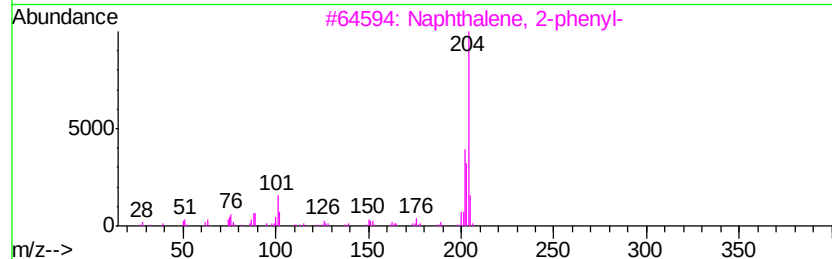
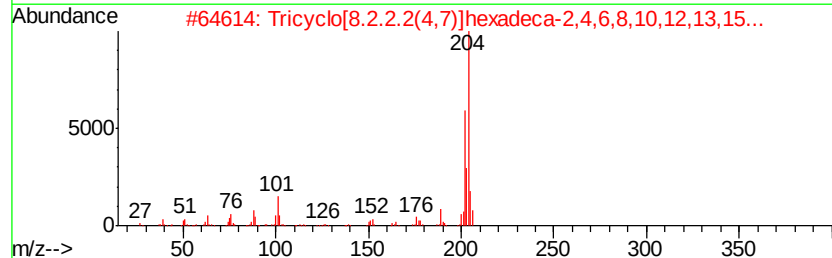
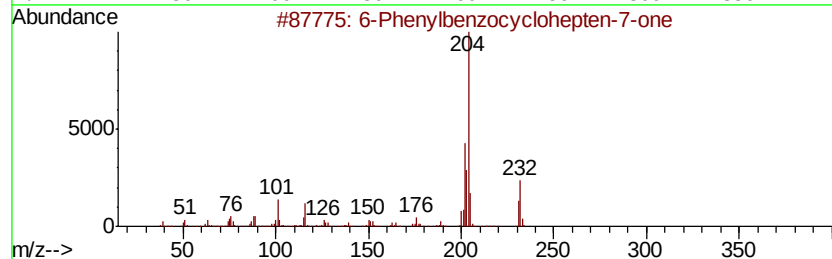
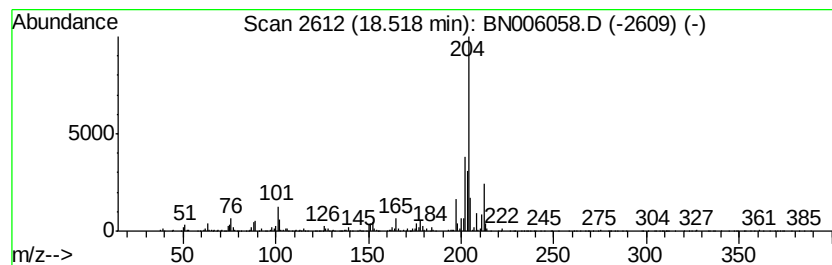
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 6-Phenylbenzocyclohepten-7-one Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	4.83 ng/ul	882033	Phenanthrene-d10	17.14

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	72
2			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	60
3			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
4			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
5			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006058.D
Acq On : 04 Jun 2019 04:40
Operator : JU/SJ
Sample : K2928-13DL 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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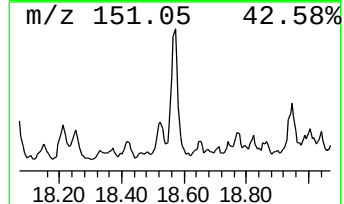
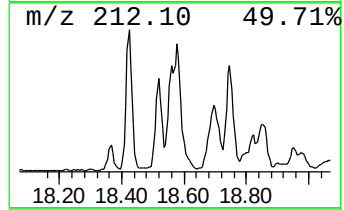
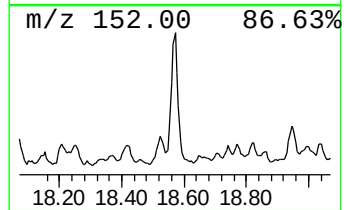
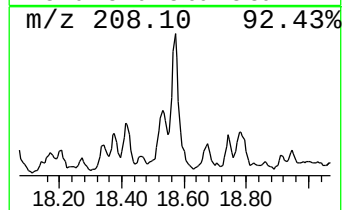
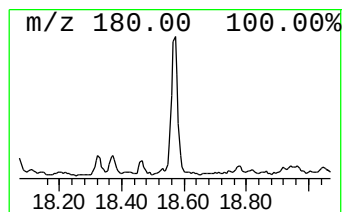
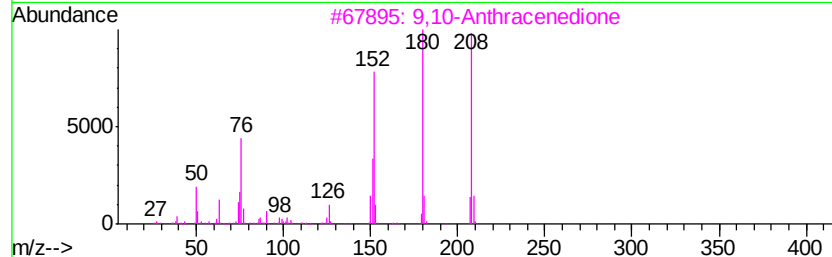
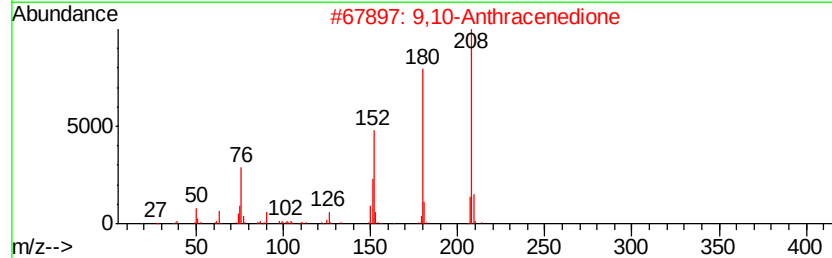
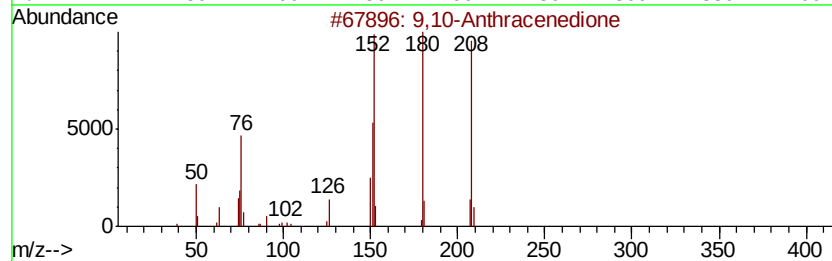
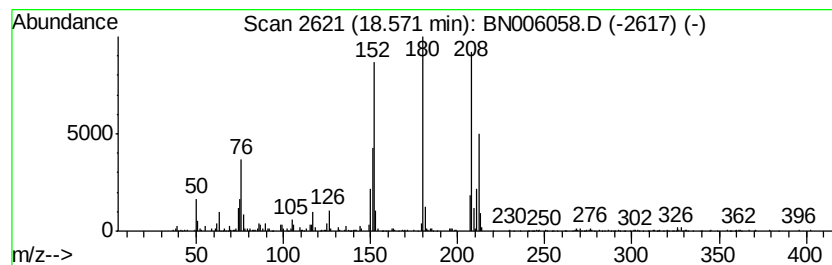
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	4.67 ng/ul	852310	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2		9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
3		9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
4		Benzo[cl]cinoline	180	C12H8N2	000230-17-1	70
5		9H-Fluoren-9-one	180	C13H8O	000486-25-9	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060319\
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Acq On : 04 Jun 2019 04:40
Operator : JU/SJ
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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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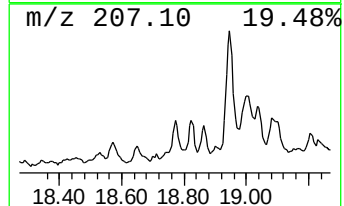
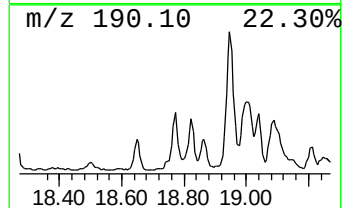
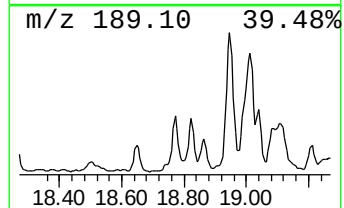
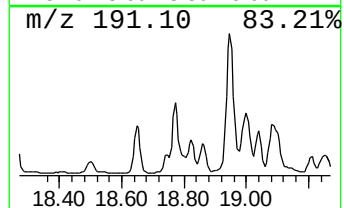
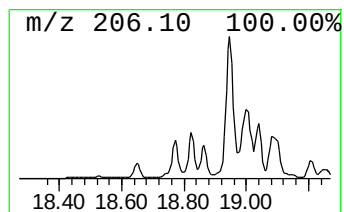
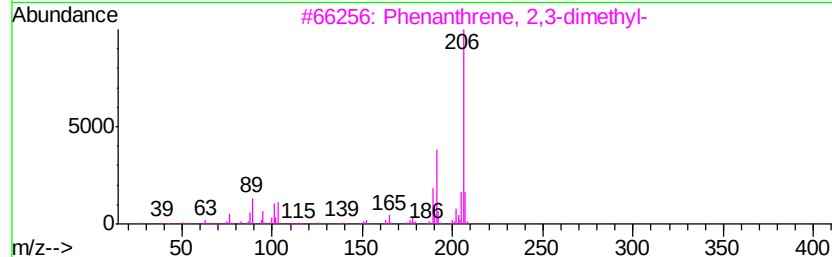
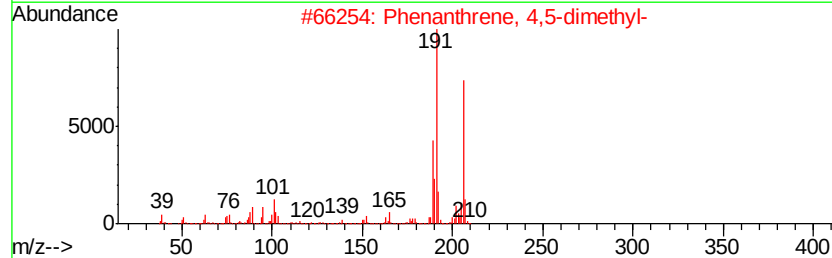
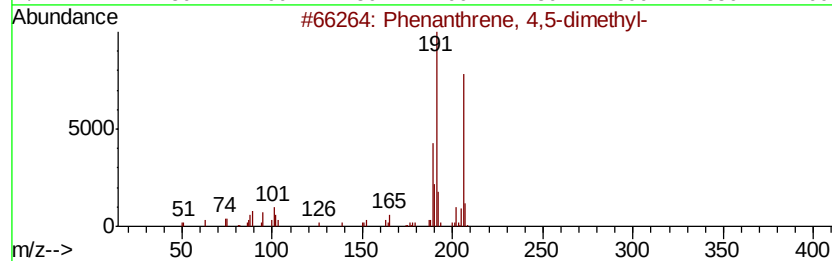
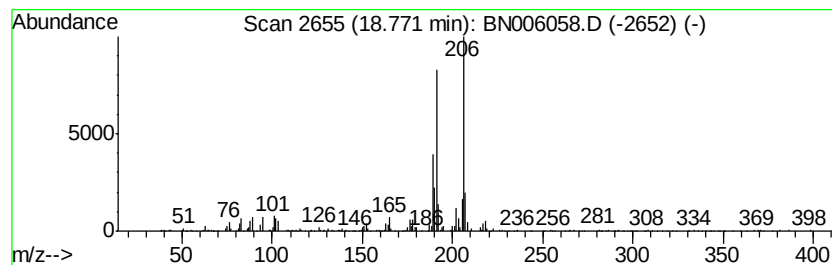
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 Phenanthrene, 4,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	4.42 ng/ul	807534	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
2		Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4		Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
5		Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006058.D
Acq On : 04 Jun 2019 04:40
Operator : JU/SJ
Sample : K2928-13DL 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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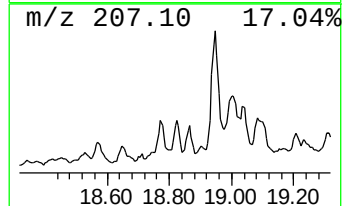
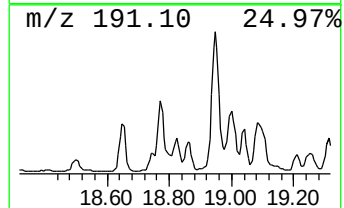
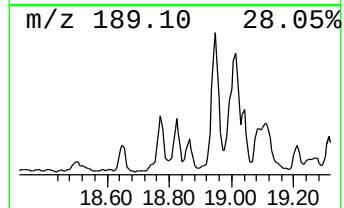
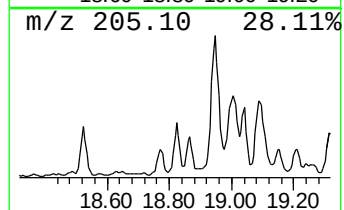
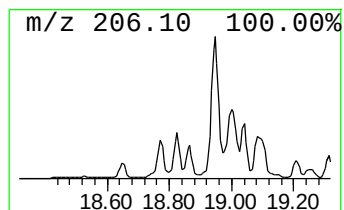
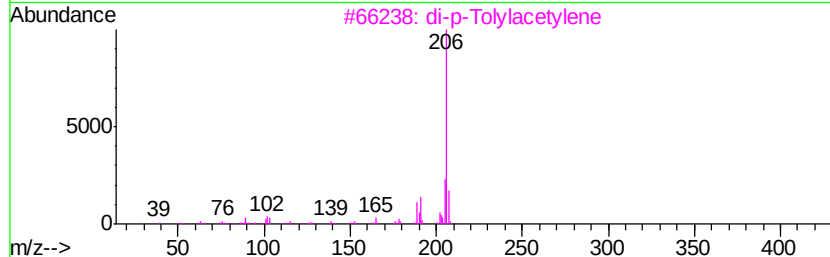
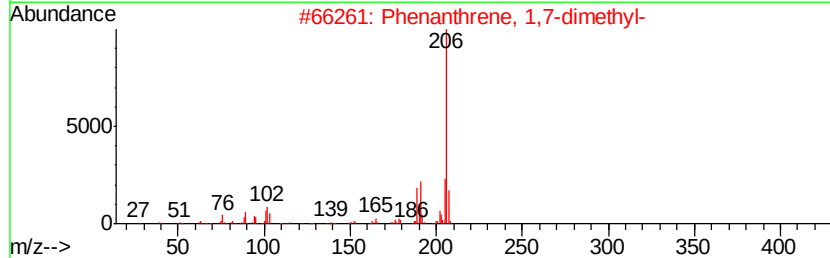
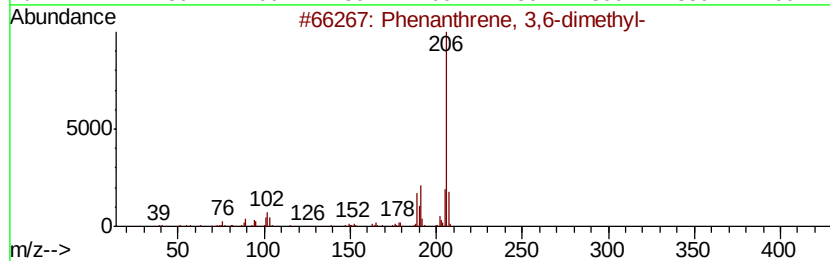
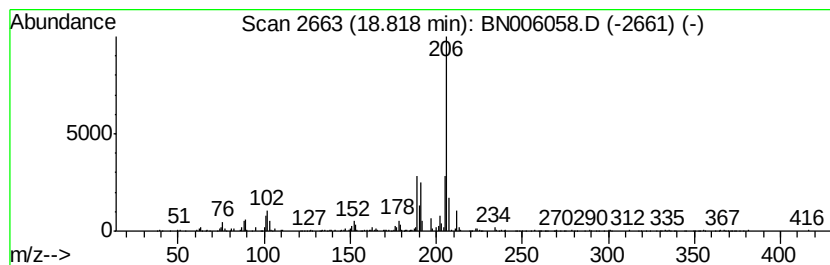
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	3.27 ng/ul	597502	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3		di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006058.D
Acq On : 04 Jun 2019 04:40
Operator : JU/SJ
Sample : K2928-13DL 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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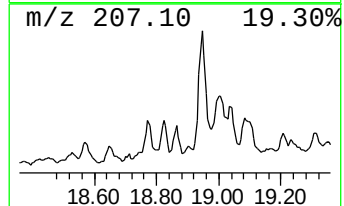
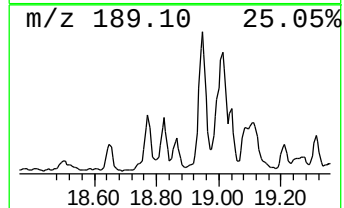
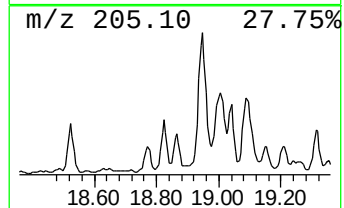
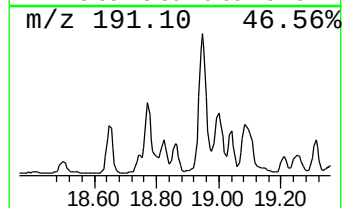
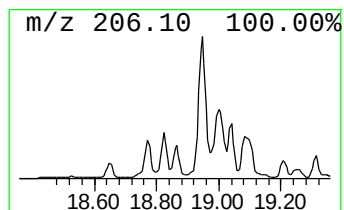
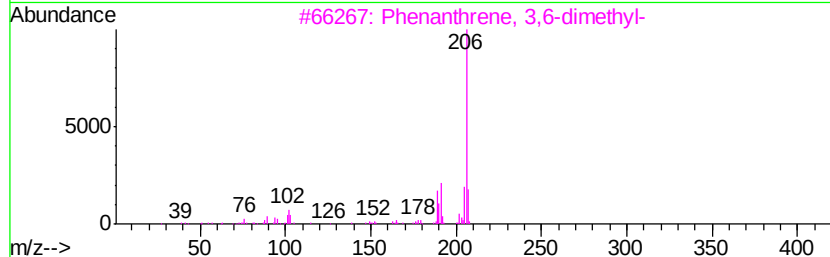
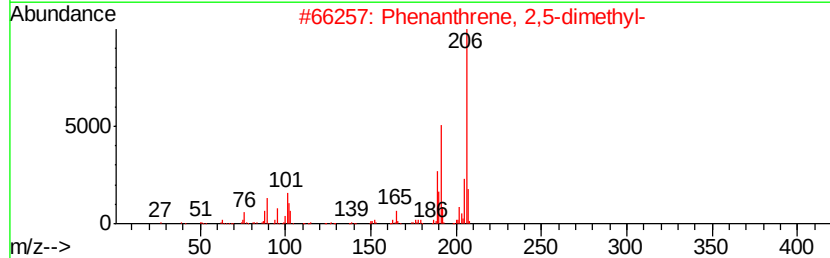
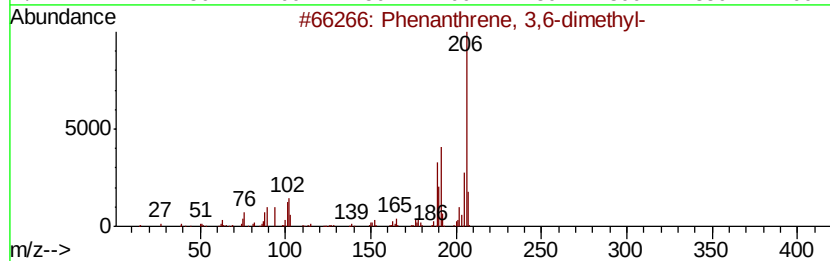
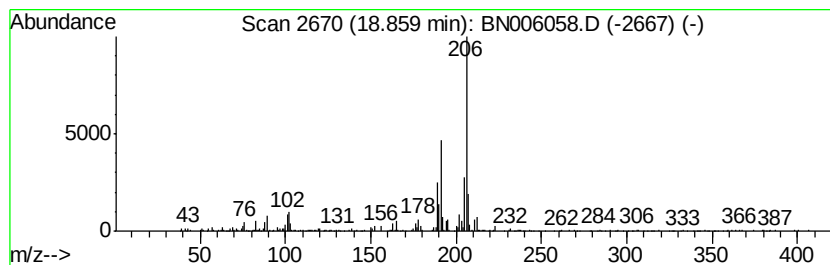
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	2.56 ng/ul	467561	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006058.D
Acq On : 04 Jun 2019 04:40
Operator : JU/SJ
Sample : K2928-13DL 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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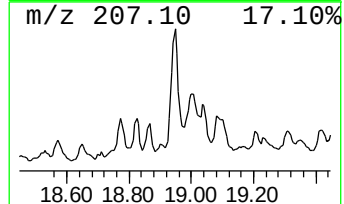
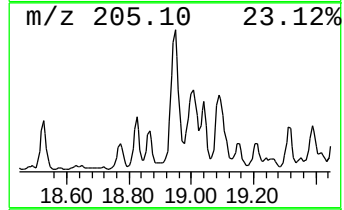
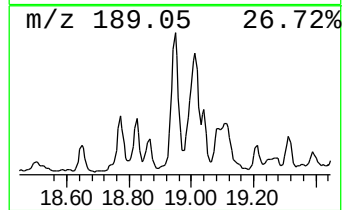
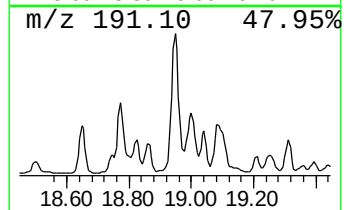
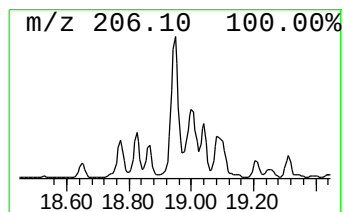
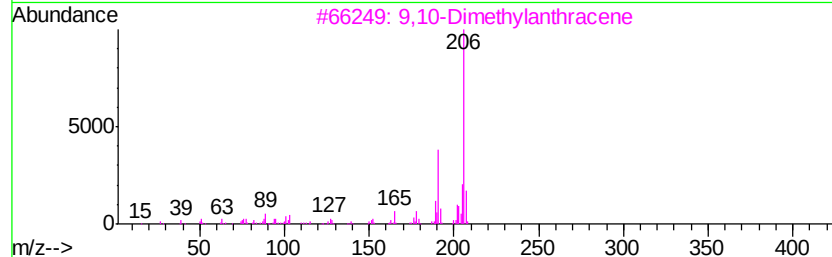
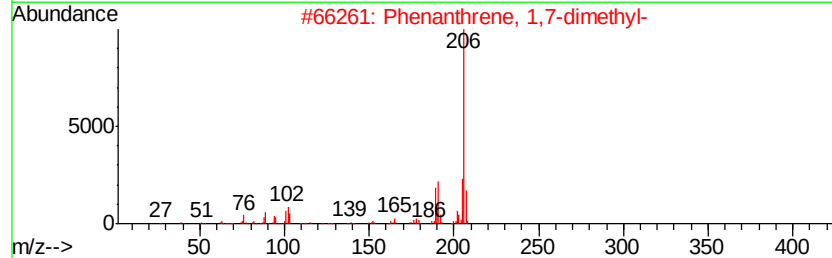
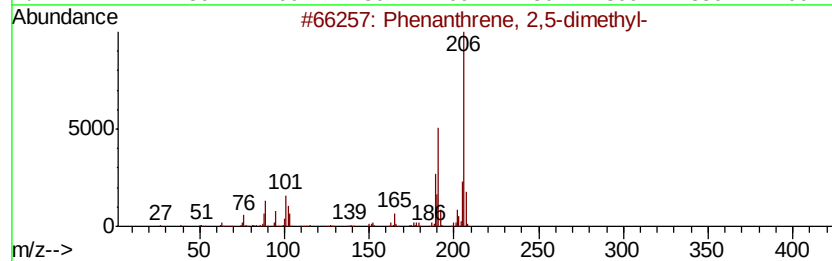
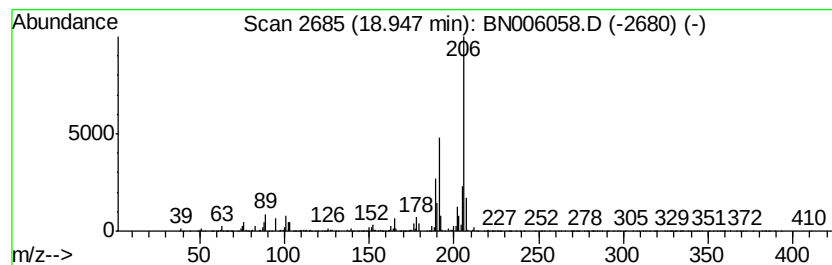
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 Phenanthrene, 1,7-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.95	13.09 ng/ul	2389050	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
3		9,10-Dimethylantracene	206	C16H14	000781-43-1	90
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	89
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006058.D
Acq On : 04 Jun 2019 04:40
Operator : JU/SJ
Sample : K2928-13DL 2X
Misc :
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ClientSampleId :
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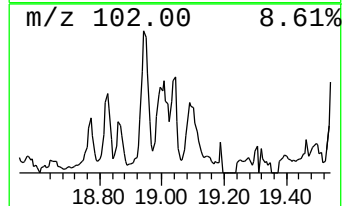
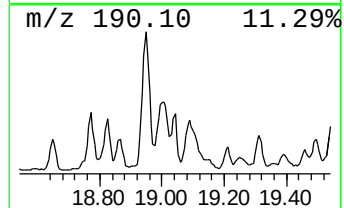
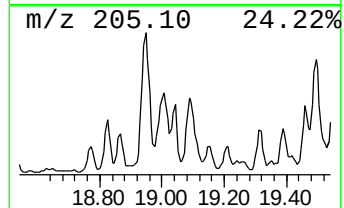
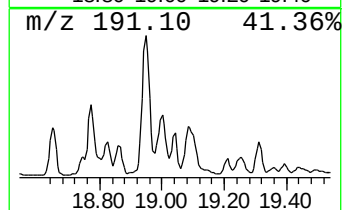
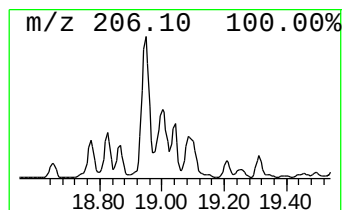
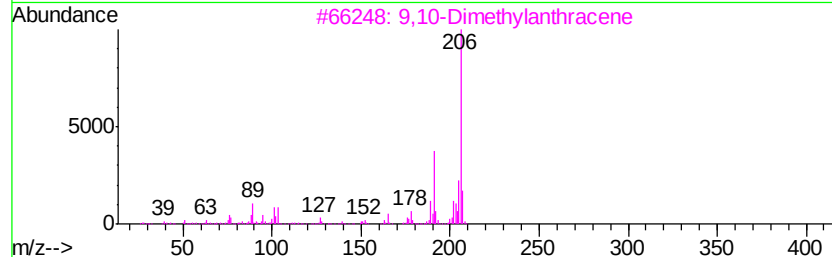
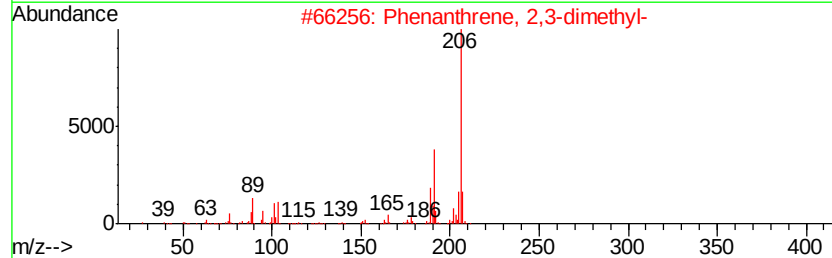
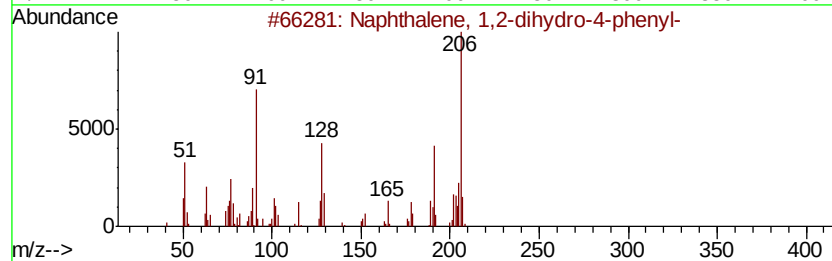
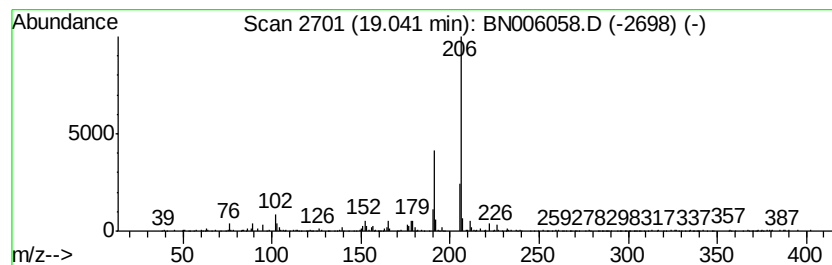
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 Naphthalene, 1,2-dihydro-4-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	3.01 ng/ul	548787	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	78
2		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	72
3		9,10-Dimethylantracene	206	C16H14	000781-43-1	72
4		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64
5		1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006058.D
Acq On : 04 Jun 2019 04:40
Operator : JU/SJ
Sample : K2928-13DL 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleID :
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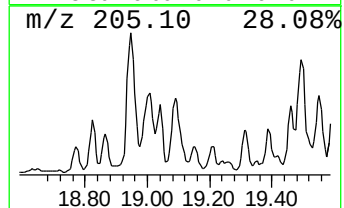
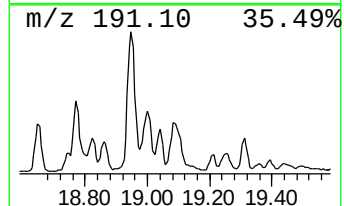
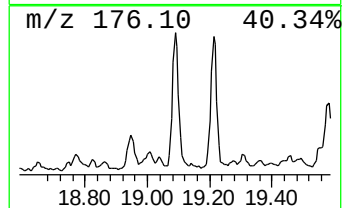
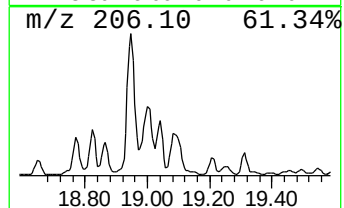
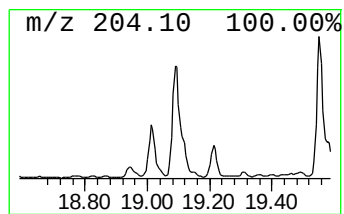
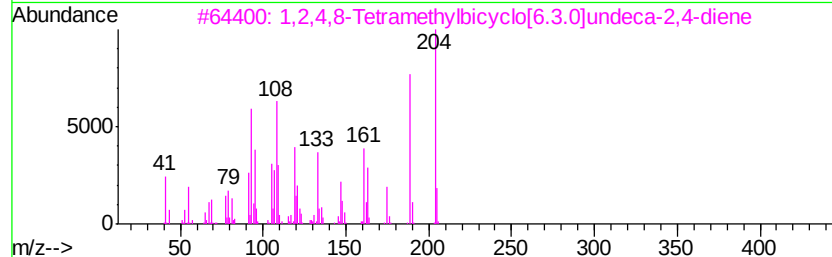
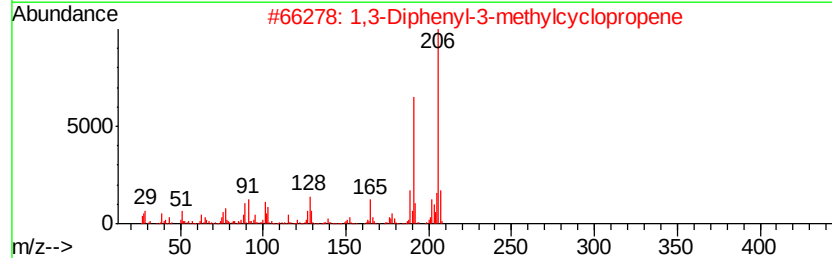
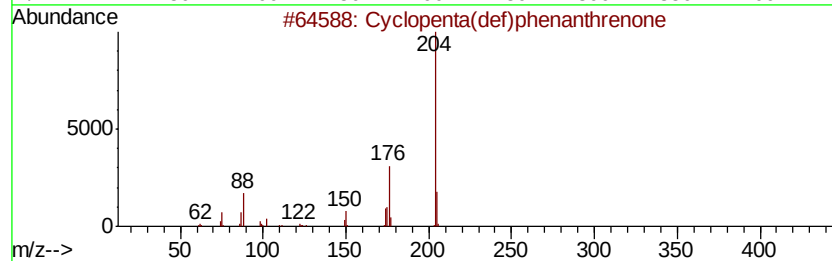
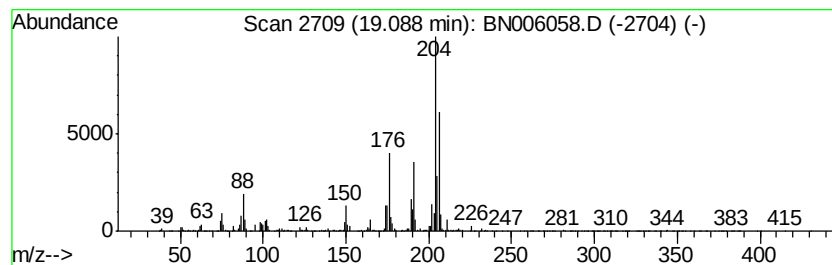
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.09	9.65 ng/ul	1760870	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2		1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	60
3		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	42
4		1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	38
5		9,10-Dimethylantracene	206	C16H14	000781-43-1	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060319\
Data File : BN006058.D
Acq On : 04 Jun 2019 04:40
Operator : JU/SJ
Sample : K2928-13DL 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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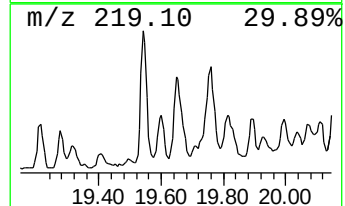
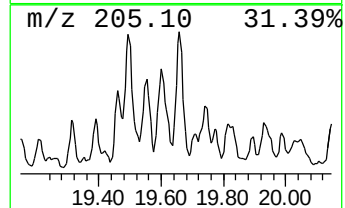
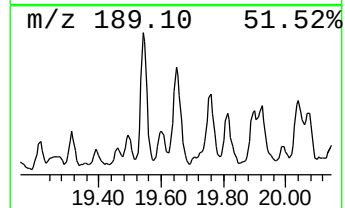
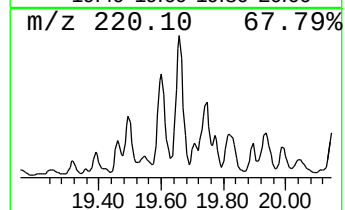
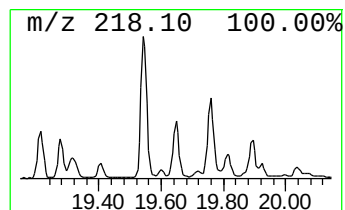
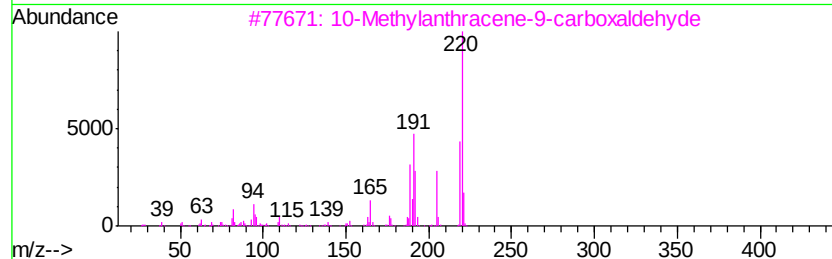
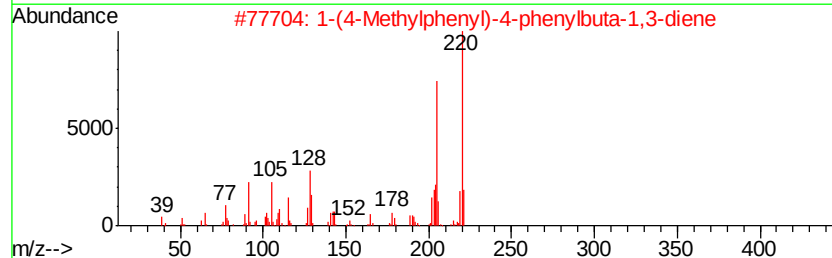
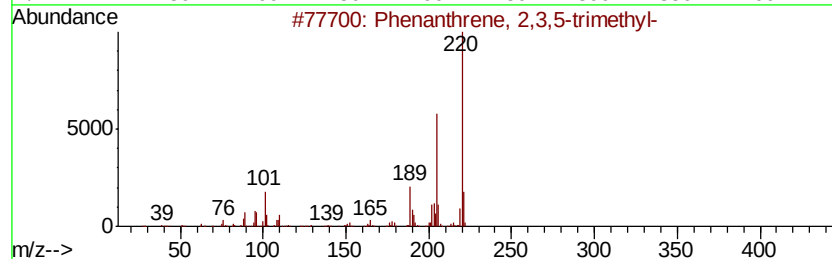
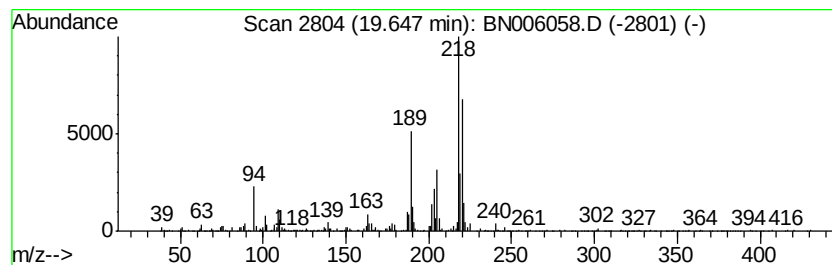
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.65	2.14 ng/ul	1185970	Chrysene-d12	21.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	83
2		1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	64
3		10-Methylantracene-9-carboxalde...	220	C16H12O	007072-00-6	49
4		Xylazine	220	C12H16N2S	007361-61-7	46
5		Pyrrolo[1,2-a]thieno[2,3-d]pyrim...	220	C11H12N2OS	056929-61-4	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006058.D
Acq On : 04 Jun 2019 04:40
Operator : JU/SJ
Sample : K2928-13DL 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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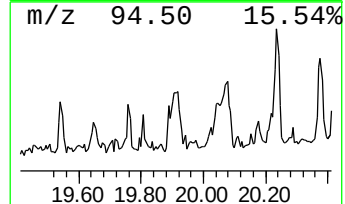
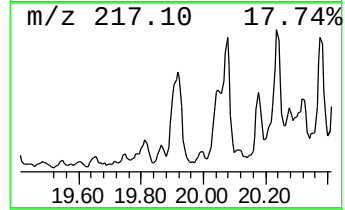
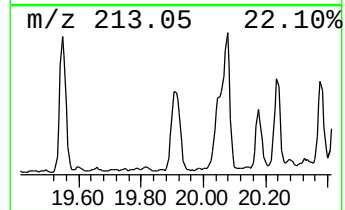
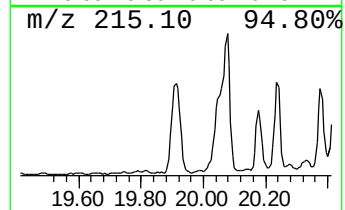
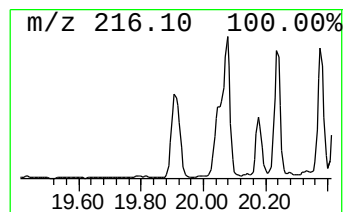
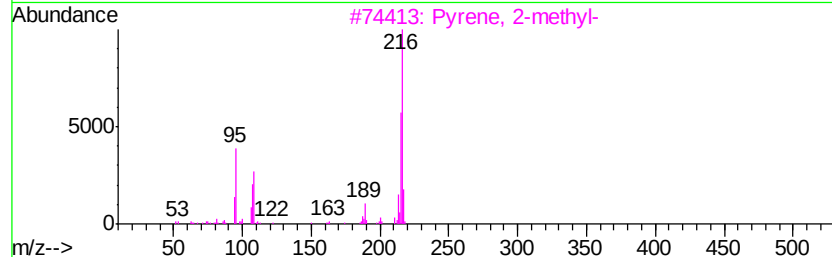
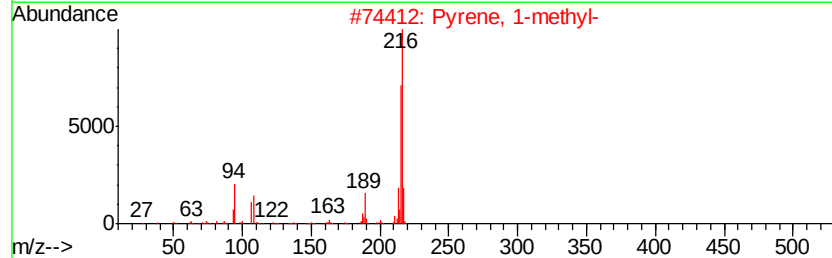
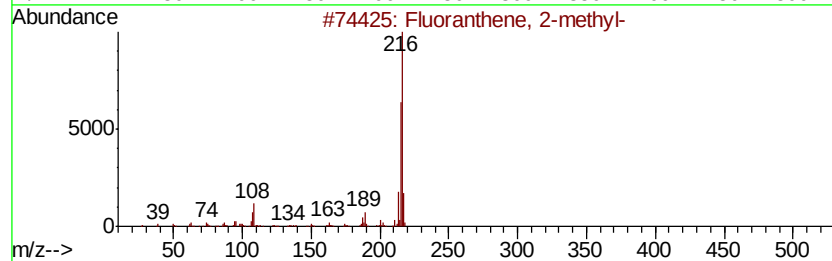
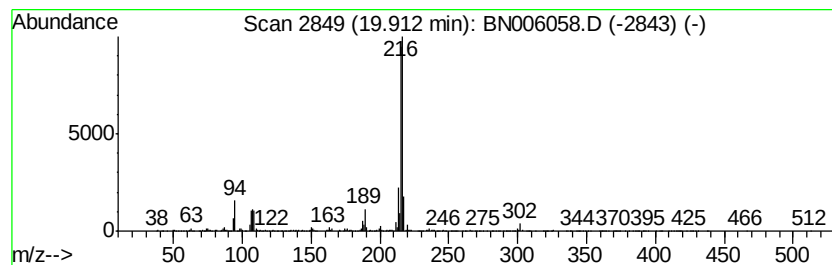
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.91	4.79 ng/ul	2656680	Chrysene-d12	21.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3		Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060319\
Data File : BN006058.D
Acq On : 04 Jun 2019 04:40
Operator : JU/SJ
Sample : K2928-13DL 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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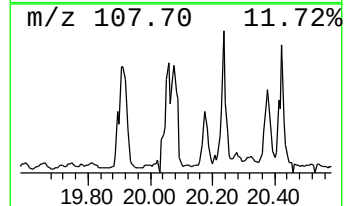
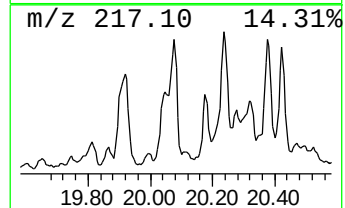
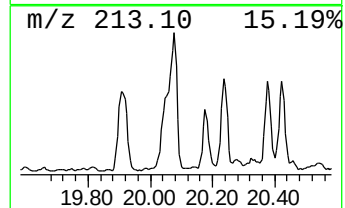
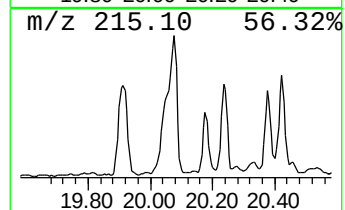
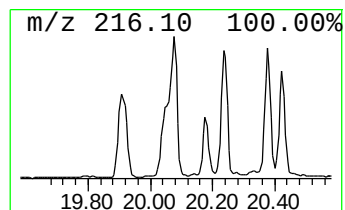
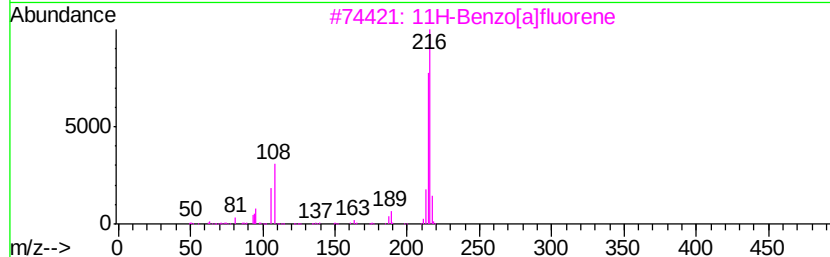
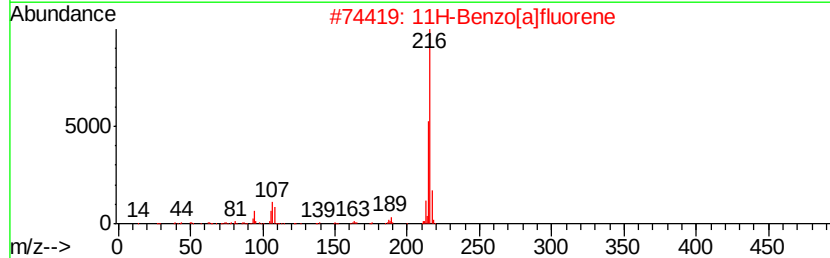
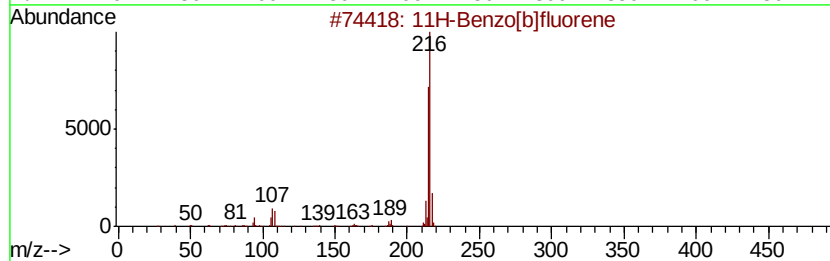
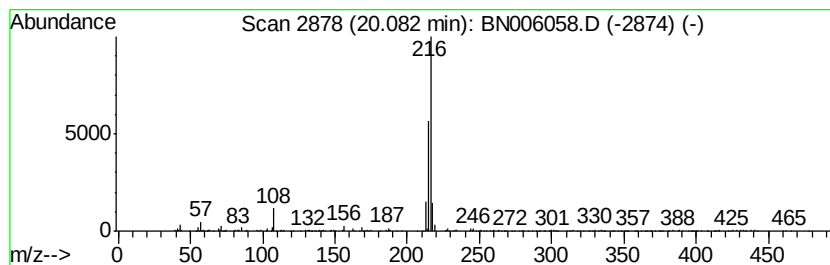
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.08	3.31 ng/ul	1835630	Chrysene-d12	21.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5		Pyrene, 1-methyl-	216	C17H12	002381-21-7	78



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Data File : BN006058.D
Acq On : 04 Jun 2019 04:40
Operator : JU/SJ
Sample : K2928-13DL 2X
Misc :
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Instrument :
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ClientSampleId :
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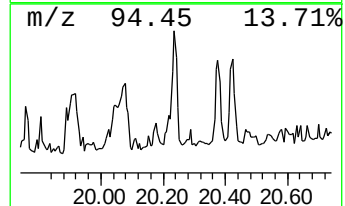
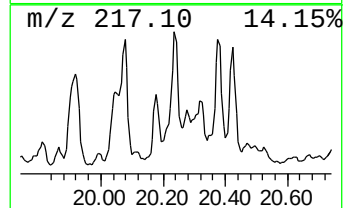
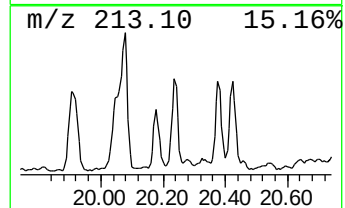
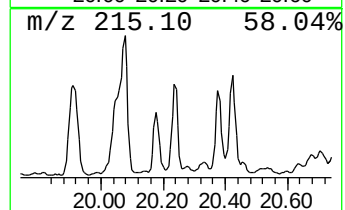
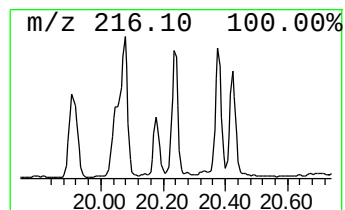
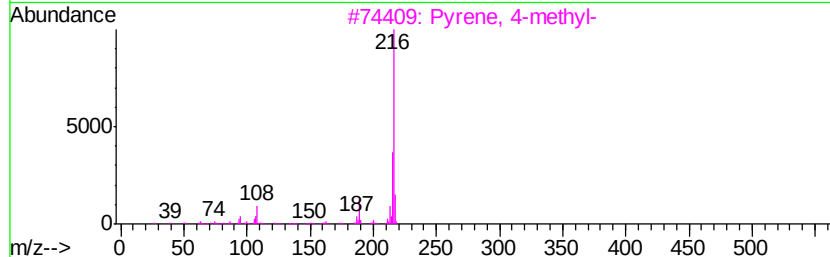
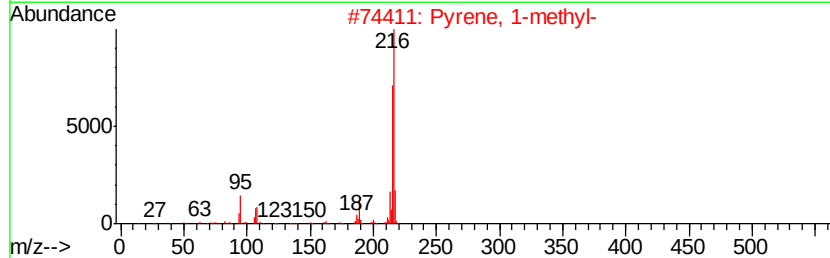
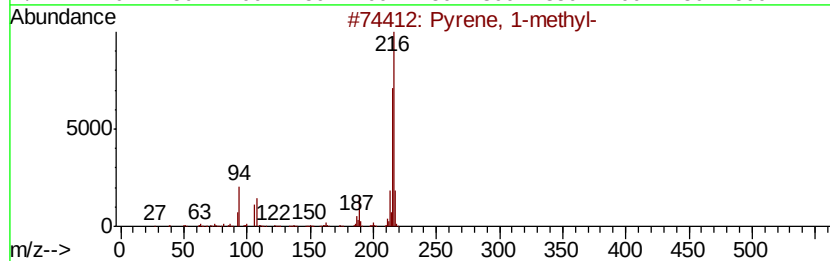
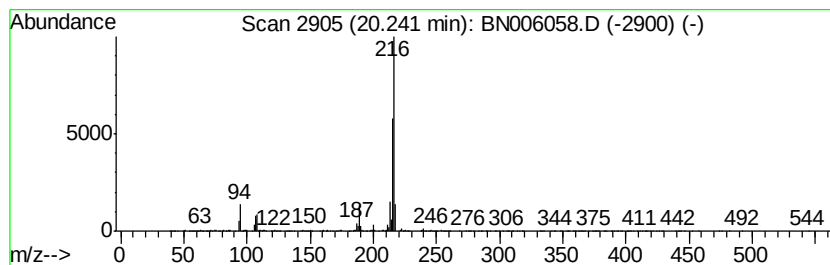
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.24	3.08 ng/ul	1704970	Chrysene-d12	21.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3		Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
4		Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006058.D
Acq On : 04 Jun 2019 04:40
Operator : JU/SJ
Sample : K2928-13DL 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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ClientSampleId :
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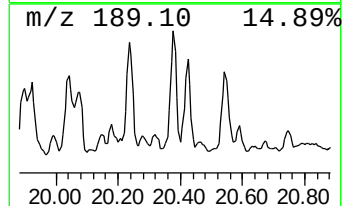
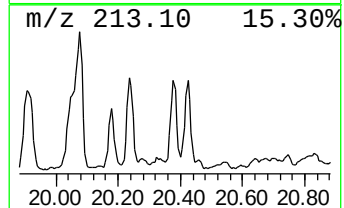
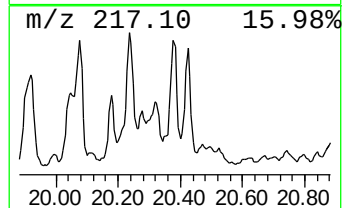
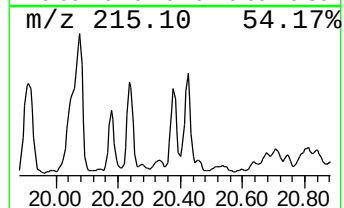
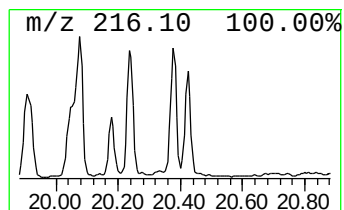
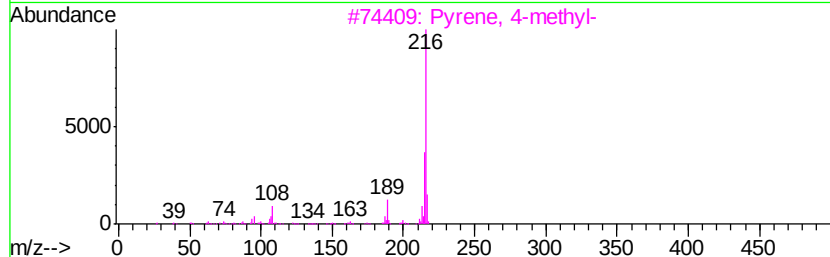
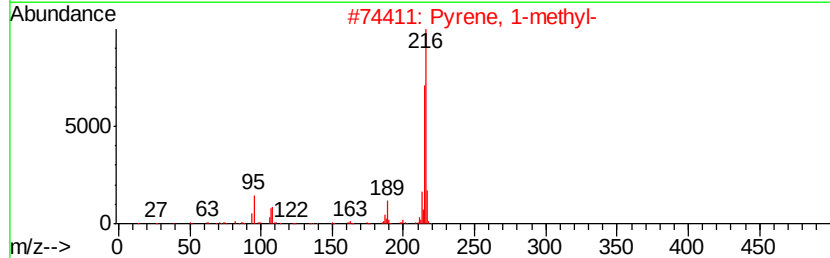
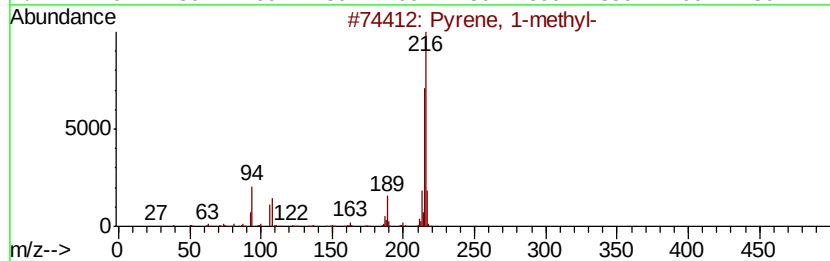
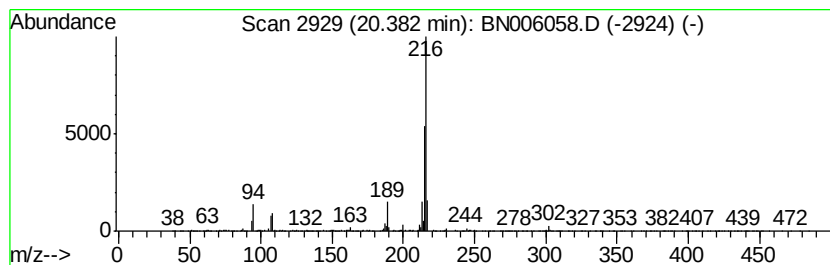
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 Pyrene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.38	2.55 ng/ul	1414390	Chrysene-d12	21.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3		Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
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Acq On : 04 Jun 2019 04:40
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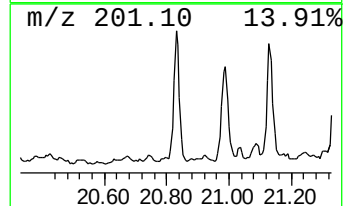
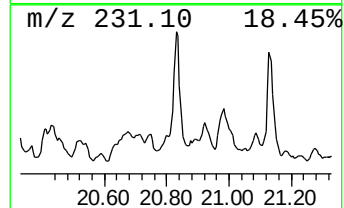
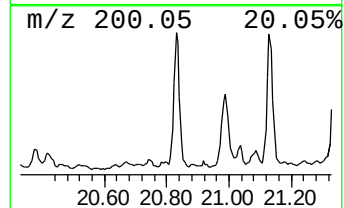
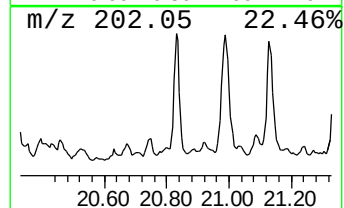
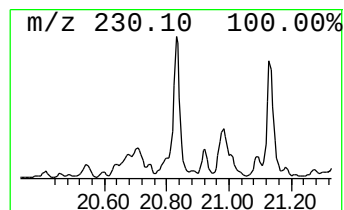
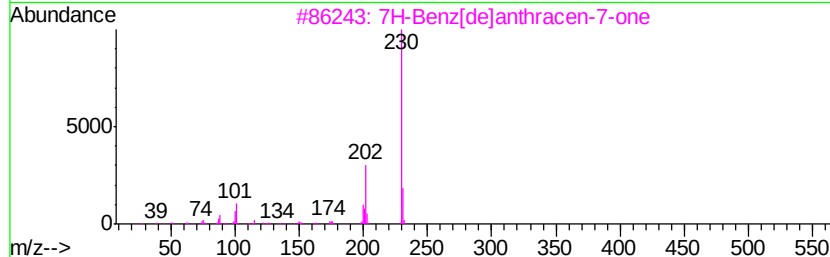
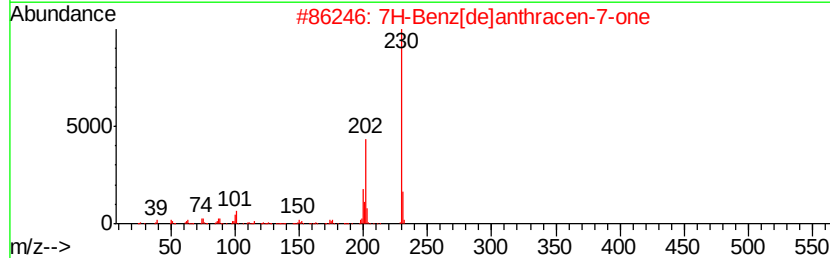
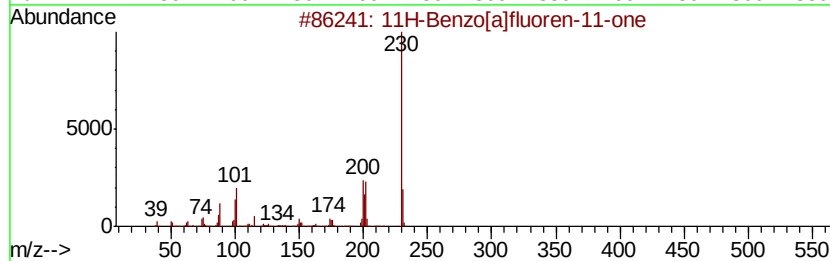
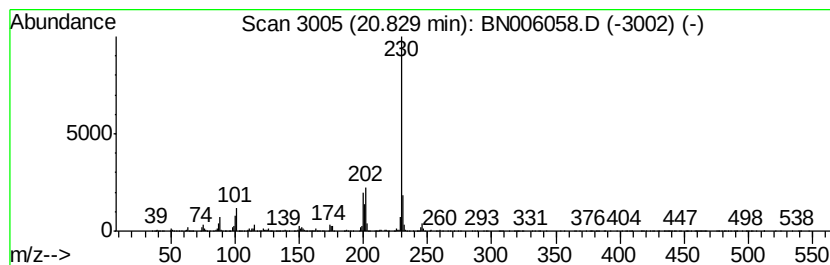
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 11H-Benzo[a]fluoren-11-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	3.04 ng/ul	1687690	Chrysene-d12	21.36

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			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	89
4			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
5			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006058.D
Acq On : 04 Jun 2019 04:40
Operator : JU/SJ
Sample : K2928-13DL 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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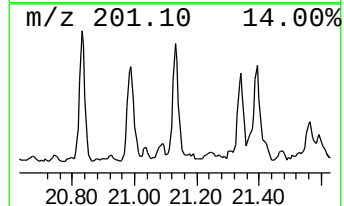
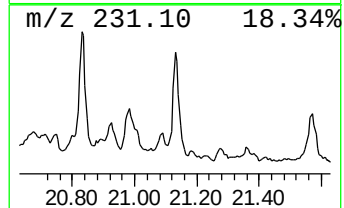
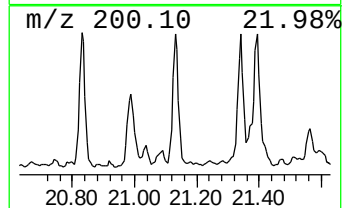
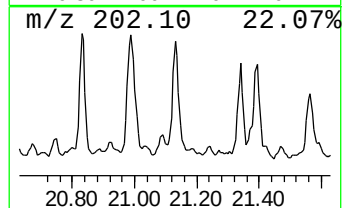
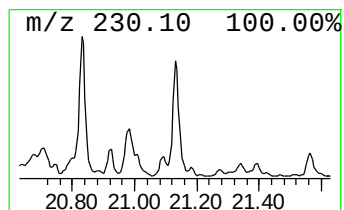
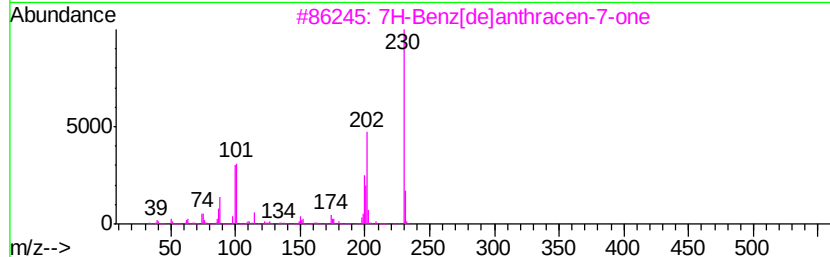
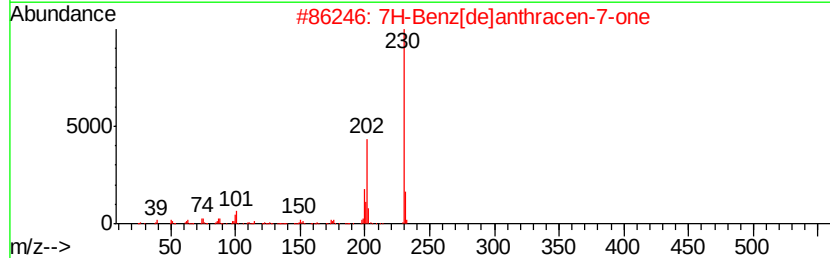
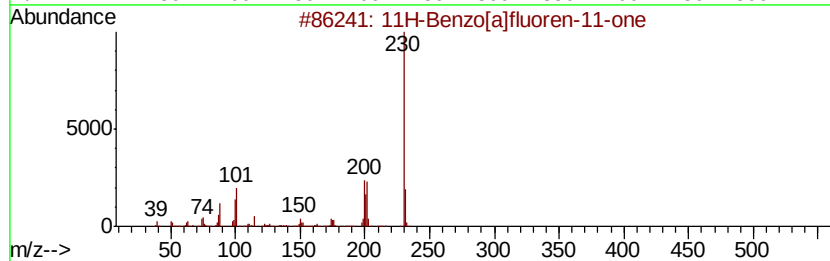
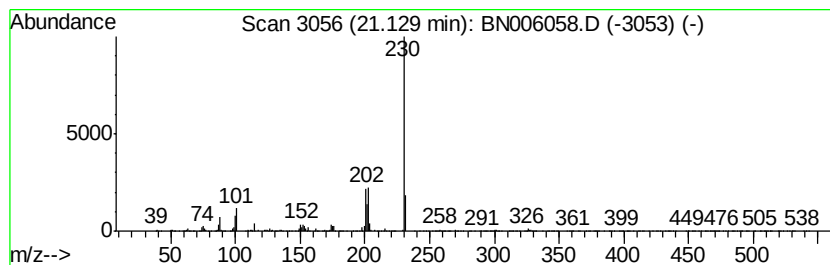
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 7H-Benz[de]anthracen-7-one Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.13	2.31 ng/ul	1278080	Chrysene-d12	21.36

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	90
4		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
5		1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	78



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006058.D
Acq On : 04 Jun 2019 04:40
Operator : JU/SJ
Sample : K2928-13DL 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A42C7DL

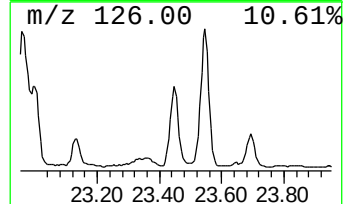
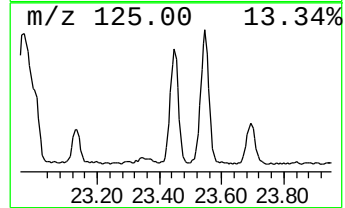
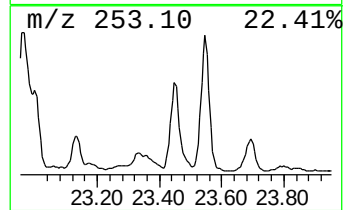
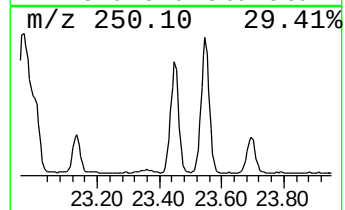
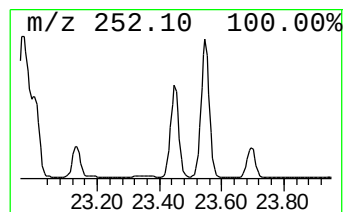
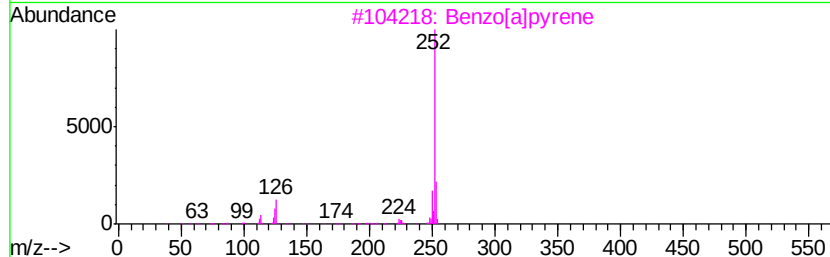
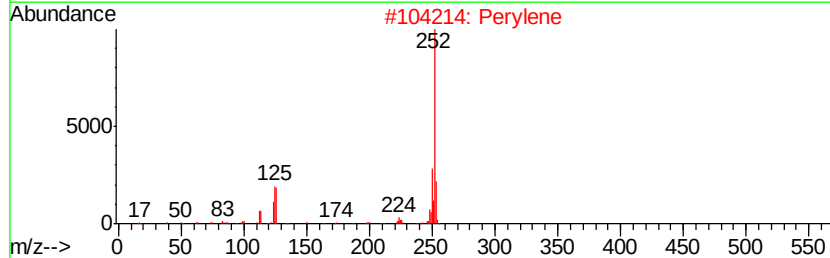
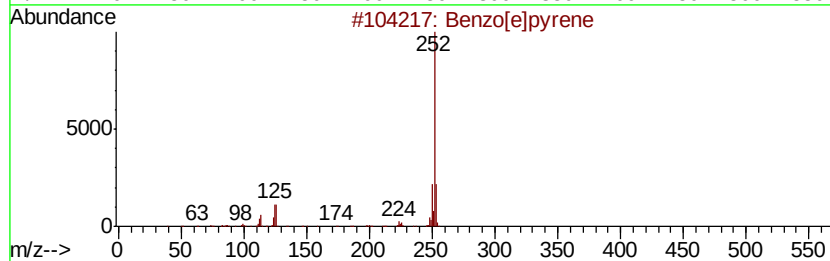
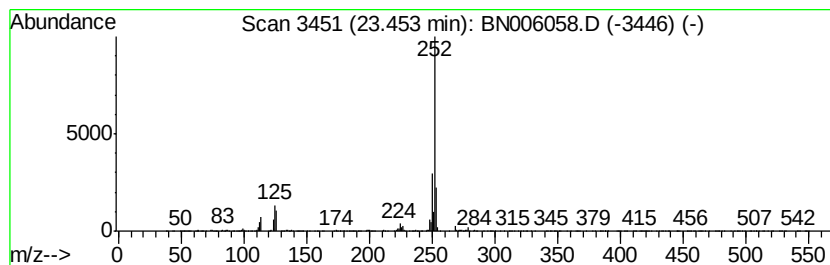
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Quant Title : SVOA CALIBRATION

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

Peak Number 26 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.45	18.27 ng/ul	2824750	Perylene-d12	23.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2		Perylene	252	C20H12	000198-55-0	95
3		Benzo[a]pyrene	252	C20H12	000050-32-8	93
4		Benzo[a]pyrene	252	C20H12	000050-32-8	92
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060319\
 Data File : BN006058.D
 Acq On : 04 Jun 2019 04:40
 Operator : JU/SJ
 Sample : K2928-13DL 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A42C7DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060319MA.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
unknown-01	16.11	2.5	ng/ul	464529	4	17.14	3650850	20.0
unknown-02	17.33	2.1	ng/ul	377327	4	17.14	3650850	20.0
Dibenzothiophene,...	17.72	2.7	ng/ul	494812	4	17.14	3650850	20.0
Phenanthrene, 1-m...	18.02	6.9	ng/ul	1264540	4	17.14	3650850	20.0
Phenanthrene, 2-m...	18.07	9.5	ng/ul	1737020	4	17.14	3650850	20.0
Anthracene, 2-met...	18.15	3.5	ng/ul	635900	4	17.14	3650850	20.0
Anthracene, 1-met...	18.21	14.9	ng/ul	2714830	4	17.14	3650850	20.0
1H-Cyclopropa[l]p...	18.25	6.8	ng/ul	1233730	4	17.14	3650850	20.0
2,7-Dimethyldiben...	18.42	2.3	ng/ul	410723	4	17.14	3650850	20.0
6-Phenylbenzocycl...	18.52	4.8	ng/ul	882033	4	17.14	3650850	20.0
9,10-Anthracenedione	18.57	4.7	ng/ul	852310	4	17.14	3650850	20.0
Phenanthrene, 4,5...	18.77	4.4	ng/ul	807534	4	17.14	3650850	20.0
Phenanthrene, 3,6...	18.82	3.3	ng/ul	597502	4	17.14	3650850	20.0
Phenanthrene, 2,5...	18.86	2.6	ng/ul	467561	4	17.14	3650850	20.0
Phenanthrene, 1,7...	18.95	13.1	ng/ul	2389050	4	17.14	3650850	20.0
Naphthalene, 1,2-...	19.04	3.0	ng/ul	548787	4	17.14	3650850	20.0
Cyclopenta(def)ph...	19.09	9.7	ng/ul	1760870	4	17.14	3650850	20.0
Phenanthrene, 2,3...	19.65	2.1	ng/ul	1185970	5	21.36	11088600	20.0
Fluoranthene, 2-m...	19.91	4.8	ng/ul	2656680	5	21.36	11088600	20.0
11H-Benzo[b]fluorene	20.08	3.3	ng/ul	1835630	5	21.36	11088600	20.0
Pyrene, 1-methyl-	20.24	3.1	ng/ul	1704970	5	21.36	11088600	20.0
Pyrene, 4-methyl-	20.38	2.5	ng/ul	1414390	5	21.36	11088600	20.0
11H-Benzo[a]fluor...	20.83	3.0	ng/ul	1687690	5	21.36	11088600	20.0
7H-Benz[de]anthra...	21.13	2.3	ng/ul	1278080	5	21.36	11088600	20.0
Benzo[e]pyrene	23.45	18.3	ng/ul	2824750	6	23.65	3092050	20.0