

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
 Data File : BM020800.D
 Acq On : 07 Jun 2019 12:40
 Operator : HP/JU
 Sample : K3201-06DL 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AB7DL

Integration Parameters: LSCINT.P

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

Filtering: 5
 Min Area: 0.1 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.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	3.046	6	10	29	rVB	5277675	6336877	46.41%	3.433%
2	6.975	670	678	690	rVB	610305	1025784	7.51%	0.556%
3	7.151	701	708	721	rBV	502018	835748	6.12%	0.453%
4	7.339	733	740	749	rBV	675265	1091075	7.99%	0.591%
5	7.810	809	820	827	rBV	1588500	2503694	18.34%	1.357%
6	8.510	933	939	946	rBV	683749	1083746	7.94%	0.587%
7	8.969	1010	1017	1025	rBV	634664	1073027	7.86%	0.581%
8	9.686	1131	1139	1150	rBV	534500	898164	6.58%	0.487%
9	10.222	1219	1230	1240	rBV	846396	1390282	10.18%	0.753%
10	10.604	1282	1295	1301	rBV	2149677	3584496	26.25%	1.942%
11	10.739	1311	1318	1329	rBV	557993	978023	7.16%	0.530%
12	13.339	1754	1760	1769	rVV	97545	172404	1.26%	0.093%
13	13.768	1827	1833	1838	rVV2	101400	176459	1.29%	0.096%
14	13.857	1843	1848	1853	rVV	1442560	2115511	15.49%	1.146%
15	13.904	1853	1856	1864	rVV	697466	945561	6.92%	0.512%
16	14.139	1890	1896	1910	rVB2	1625967	2879332	21.09%	1.560%
17	14.451	1940	1949	1955	rBV2	2993823	4696869	34.40%	2.545%
18	14.510	1955	1959	1967	rVB	274380	429480	3.15%	0.233%
19	14.645	1975	1982	1992	rBV	465992	751183	5.50%	0.407%
20	14.845	2011	2016	2024	rVV	200526	338325	2.48%	0.183%
21	15.239	2076	2083	2090	rBV2	157513	306986	2.25%	0.166%
22	15.439	2111	2117	2123	rVV	2105303	3110819	22.78%	1.685%
23	15.498	2123	2127	2133	rVV2	280293	454401	3.33%	0.246%
24	15.562	2133	2138	2145	rVV2	264872	461081	3.38%	0.250%
25	15.792	2172	2177	2184	rVB	158502	273547	2.00%	0.148%
26	15.939	2197	2202	2208	rVB	161525	294998	2.16%	0.160%
27	16.027	2209	2217	2224	rVB3	59446	160733	1.18%	0.087%
28	16.168	2234	2241	2247	rVB6	118055	265569	1.94%	0.144%
29	16.504	2295	2298	2302	rVV2	137976	210093	1.54%	0.114%
30	16.545	2302	2305	2311	rVV2	92423	160360	1.17%	0.087%
31	16.727	2328	2336	2339	rBV3	164799	327969	2.40%	0.178%
32	16.768	2339	2343	2346	rVV3	155099	240637	1.76%	0.130%
33	16.851	2352	2357	2363	rVB	276130	419457	3.07%	0.227%
34	16.921	2364	2369	2371	rBV2	151414	222005	1.63%	0.120%

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35	16.945	2371	2373	2380	rVV3	169284	288747	2.11%	0.156%
36	17.015	2380	2385	2392	rVB	219601	375711	2.75%	0.204%
37	17.192	2409	2415	2419	rBV2	3578570	5413588	39.65%	2.933%
38	17.239	2419	2423	2428	rVV	4511606	6224738	45.59%	3.373%
39	17.292	2428	2432	2436	rVV	2314994	3369309	24.68%	1.826%
40	17.327	2436	2438	2443	rVV	825719	949184	6.95%	0.514%
41	17.380	2443	2447	2452	rVB3	99633	191425	1.40%	0.104%
42	17.598	2474	2484	2489	rBV2	377965	770559	5.64%	0.417%
43	17.774	2509	2514	2523	rVB4	151767	249185	1.82%	0.135%
44	18.074	2559	2565	2569	rVV2	996650	2151980	15.76%	1.166%
45	18.115	2569	2572	2578	rVB	1253802	1680157	12.30%	0.910%
46	18.198	2581	2586	2591	rVB	378578	540589	3.96%	0.293%
47	18.262	2591	2597	2601	rBV2	1086016	2105795	15.42%	1.141%
48	18.298	2601	2603	2609	rVB	647048	803006	5.88%	0.435%
49	18.380	2612	2617	2620	rBV4	159818	234350	1.72%	0.127%
50	18.568	2645	2649	2653	rVV	687677	929073	6.80%	0.503%
51	18.615	2653	2657	2663	rVV	668574	964576	7.06%	0.523%
52	18.692	2667	2670	2676	rVB3	124578	187120	1.37%	0.101%
53	18.815	2687	2691	2695	rVV	320098	467082	3.42%	0.253%
54	18.862	2696	2699	2703	rVV	265979	345414	2.53%	0.187%
55	18.903	2703	2706	2710	rVB	237135	298976	2.19%	0.162%
56	18.986	2715	2720	2726	rVV	685436	1364247	9.99%	0.739%
57	19.045	2726	2730	2734	rVV3	346498	740222	5.42%	0.401%
58	19.080	2734	2736	2739	rVV	269259	272886	2.00%	0.148%
59	19.127	2739	2744	2752	rVV2	606015	1021878	7.48%	0.554%
60	19.250	2759	2765	2771	rVB	9005685	12192696	89.30%	6.606%
61	19.315	2773	2776	2779	rBV	177587	185283	1.36%	0.100%
62	19.362	2779	2784	2787	rBV3	405858	642170	4.70%	0.348%
63	19.450	2795	2799	2802	rBV2	222477	297311	2.18%	0.161%
64	19.497	2804	2807	2810	rVB	197629	229580	1.68%	0.124%
65	19.586	2817	2822	2824	rBV3	4007251	5689860	41.67%	3.083%
66	19.615	2824	2827	2834	rVV	7715850	10478682	76.74%	5.677%
67	19.686	2835	2839	2846	rVB2	573748	884618	6.48%	0.479%
68	19.792	2853	2857	2863	rVB	457312	675645	4.95%	0.366%
69	19.850	2864	2867	2872	rVB2	241183	351413	2.57%	0.190%
70	19.939	2876	2882	2889	rBV4	783532	2095854	15.35%	1.136%
71	20.068	2900	2904	2906	rBV4	468717	742889	5.44%	0.403%

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72	20.109	2908	2911	2917	rVB2	1076687	1488667	10.90%	0.807%
73	20.209	2924	2928	2932	rBV2	522681	681149	4.99%	0.369%
74	20.268	2932	2938	2942	rVV2	867981	1459162	10.69%	0.791%
75	20.303	2942	2944	2948	rVB	330258	355832	2.61%	0.193%
76	20.344	2948	2951	2955	rBV2	221022	309758	2.27%	0.168%
77	20.409	2958	2962	2965	rBV	562826	796928	5.84%	0.432%
78	20.456	2965	2970	2973	rBV2	538911	767845	5.62%	0.416%
79	20.856	3034	3038	3044	rVB	1228743	1607108	11.77%	0.871%
80	21.021	3059	3066	3070	rBV2	865370	1826728	13.38%	0.990%
81	21.062	3070	3073	3074	rBV	734945	779854	5.71%	0.423%
82	21.156	3084	3089	3095	rVB2	1023931	1532431	11.22%	0.830%
83	21.368	3119	3125	3130	rBV3	6661026	13654393	100.00%	7.398%
84	21.415	3130	3133	3142	rVB	4756029	6284579	46.03%	3.405%
85	21.527	3149	3152	3159	rVB2	734550	1057515	7.74%	0.573%
86	21.691	3176	3180	3185	rBV3	524156	842661	6.17%	0.457%
87	21.933	3217	3221	3224	rVB	774703	927070	6.79%	0.502%
88	21.968	3224	3227	3228	rBV	346627	396925	2.91%	0.215%
89	22.133	3252	3255	3258	rBV2	403441	487520	3.57%	0.264%
90	22.438	3304	3307	3320	rVB5	971623	2152933	15.77%	1.166%
91	22.974	3391	3398	3404	rBV3	3843053	10353927	75.83%	5.610%
92	23.150	3424	3428	3434	rVB	650337	1056312	7.74%	0.572%
93	23.468	3476	3482	3486	rBV	1891820	3579848	26.22%	1.940%
94	23.521	3486	3491	3494	rVV	1909845	3806487	27.88%	2.062%
95	23.562	3494	3498	3506	rVB	3072137	6064078	44.41%	3.286%
96	23.662	3509	3515	3520	rVV	2916923	5744118	42.07%	3.112%
97	23.715	3521	3524	3532	rVB2	884985	1635841	11.98%	0.886%
98	24.203	3603	3607	3617	rVB3	725330	1465935	10.74%	0.794%
99	25.979	3901	3909	3922	rVB2	1536970	4662696	34.15%	2.526%
100	26.691	4023	4030	4039	rVB	780814	2168587	15.88%	1.175%

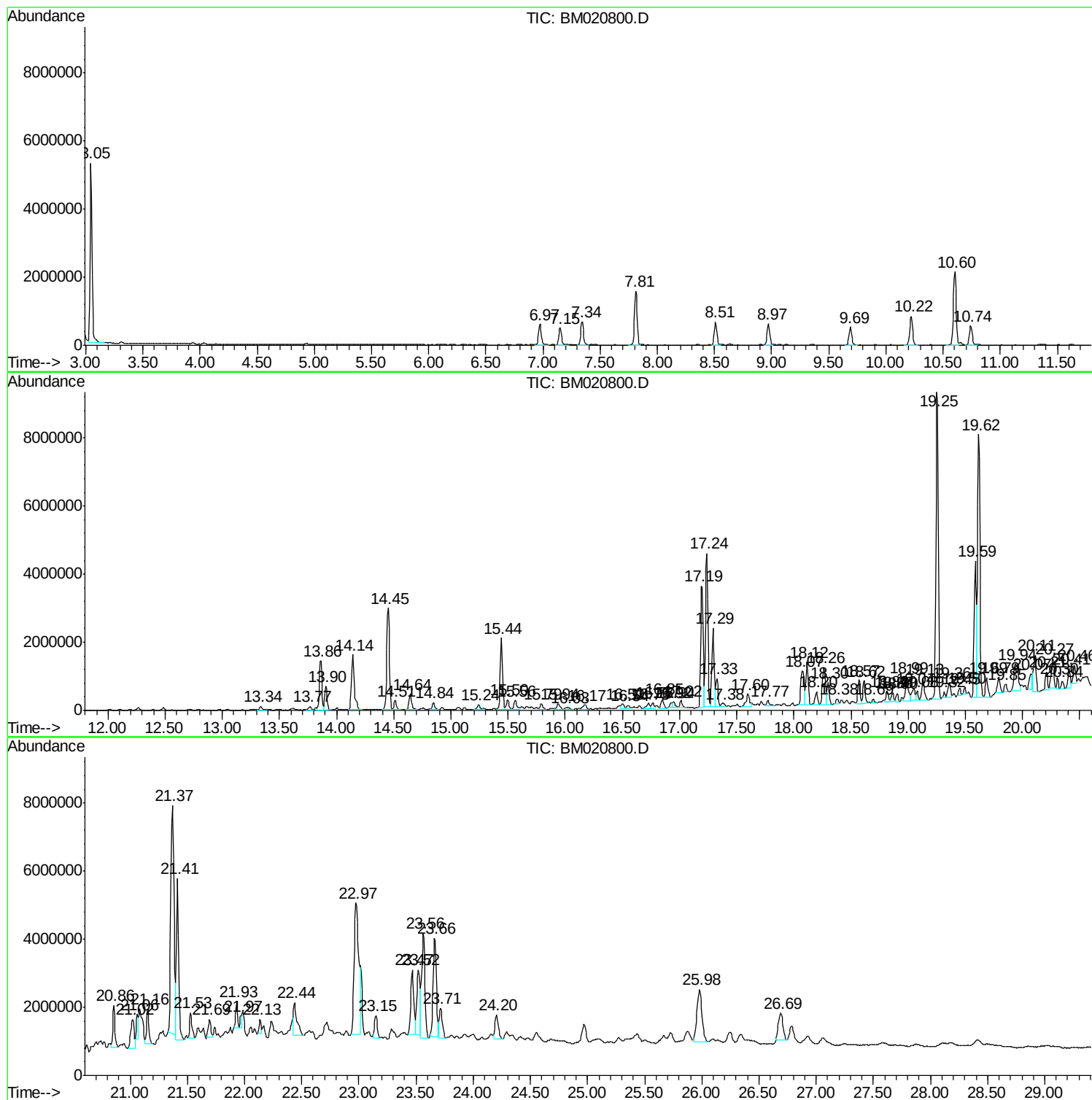
Sum of corrected areas: 184567380

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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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



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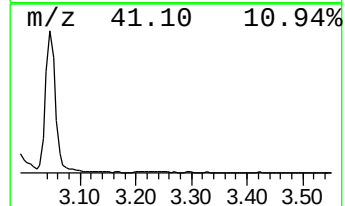
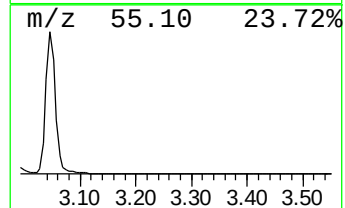
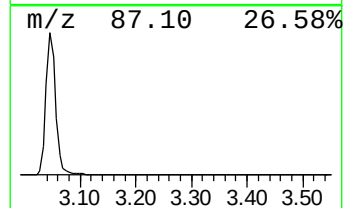
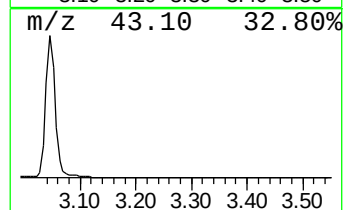
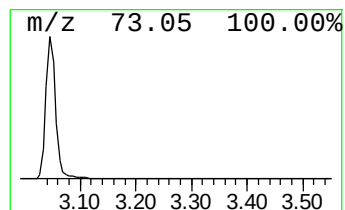
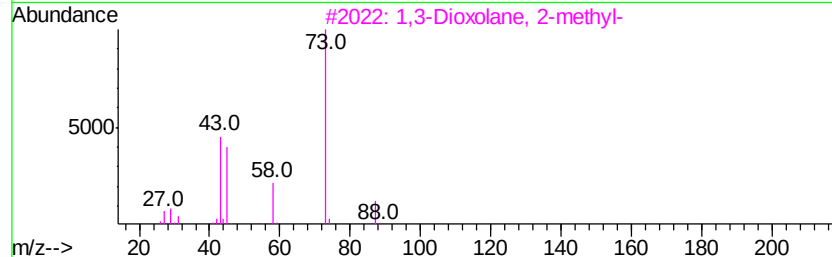
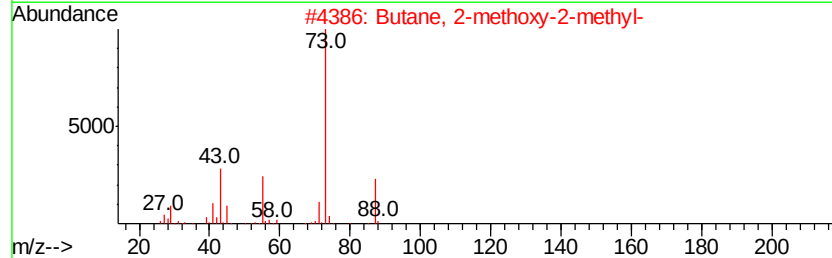
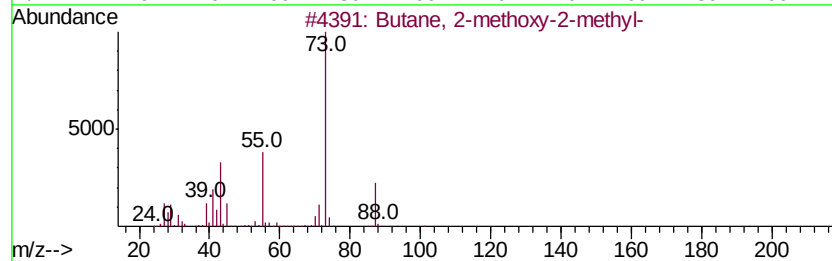
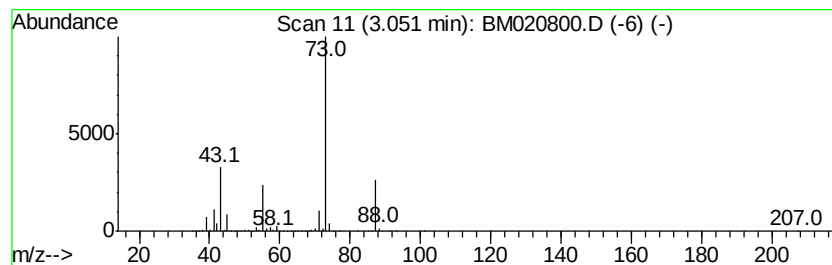
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.05	50.62 ng/ul	6336880	1,4-Dichlorobenzene-d4	7.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2		Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3		1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4		Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5		Silane, tetramethyl-	88	C4H12Si	000075-76-3	17



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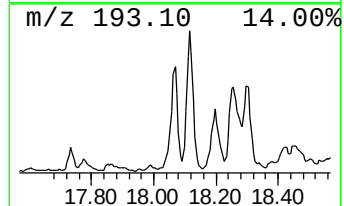
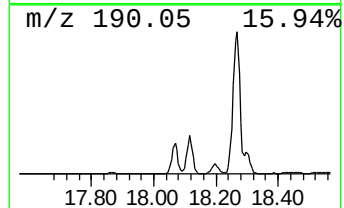
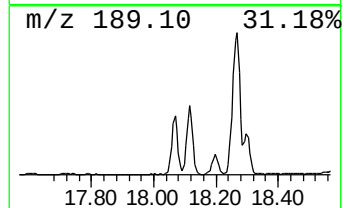
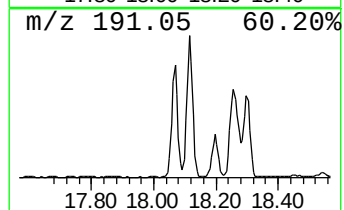
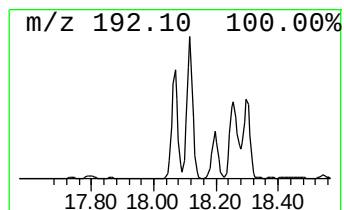
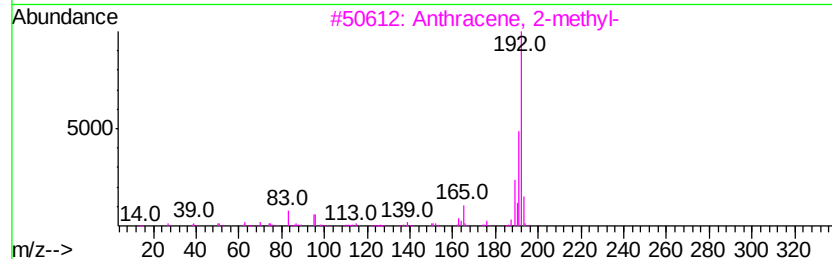
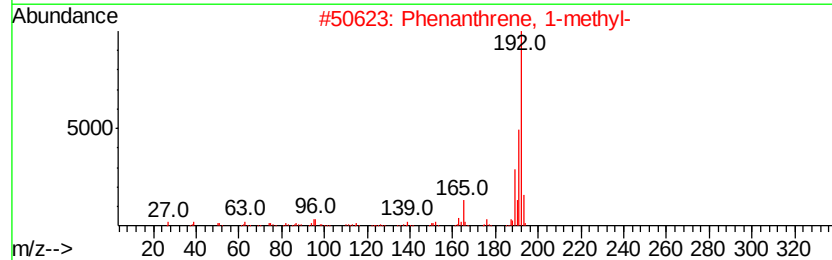
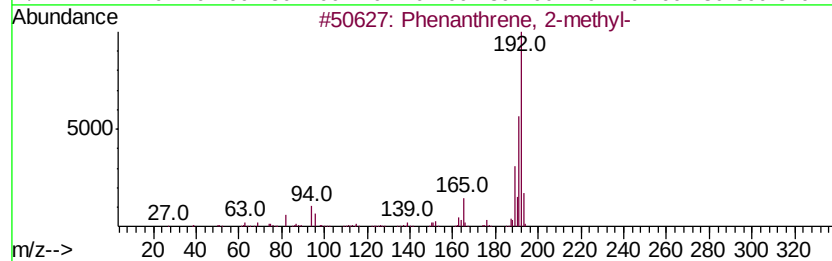
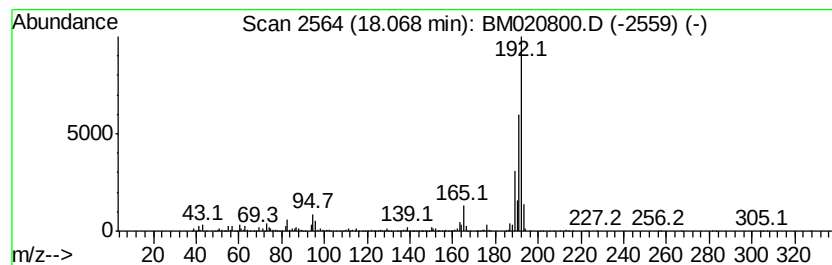
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	7.95 ng/ul	2151980	Phenanthrene-d10	17.19

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	94
5		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94



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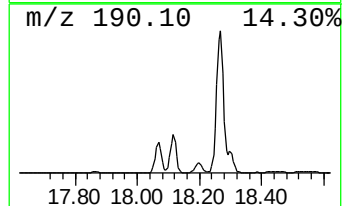
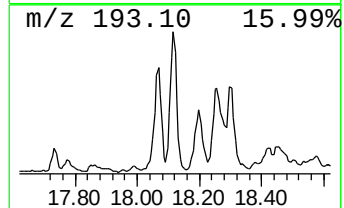
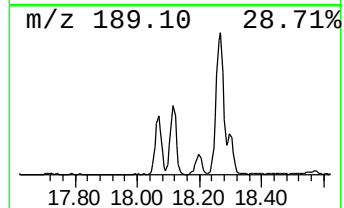
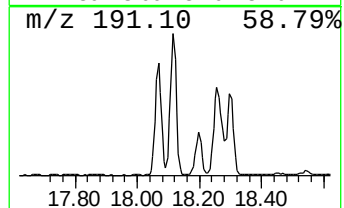
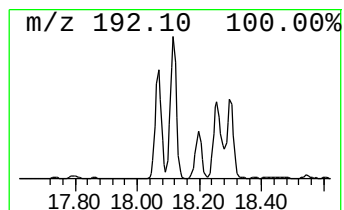
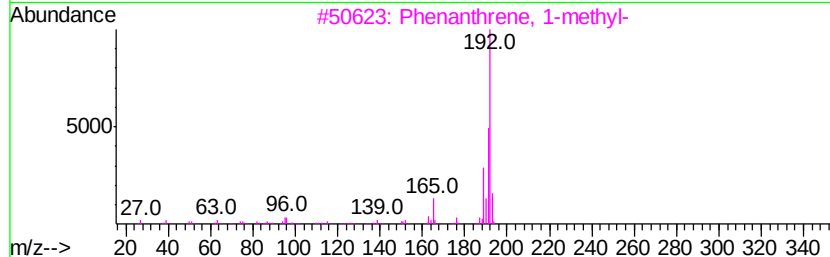
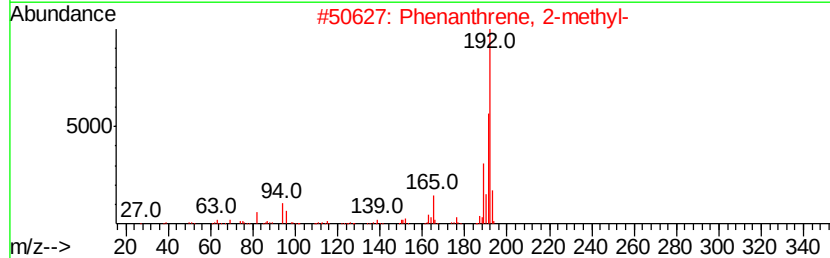
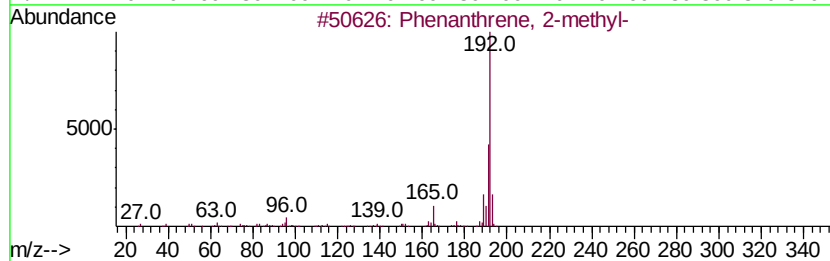
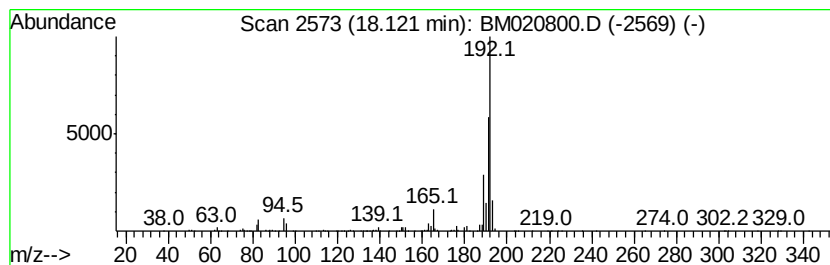
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Quant Title : SVOA CALIBRATION

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

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	6.21 ng/ul	1680160	Phenanthrene-d10	17.19

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
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Operator : HP/JU
Sample : K3201-06DL 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

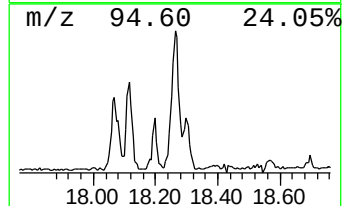
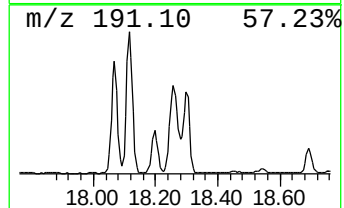
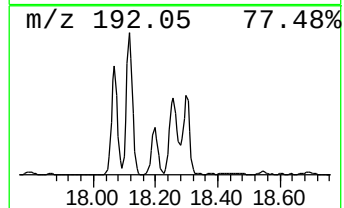
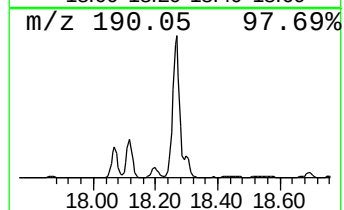
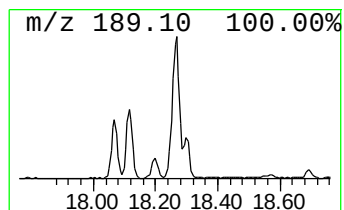
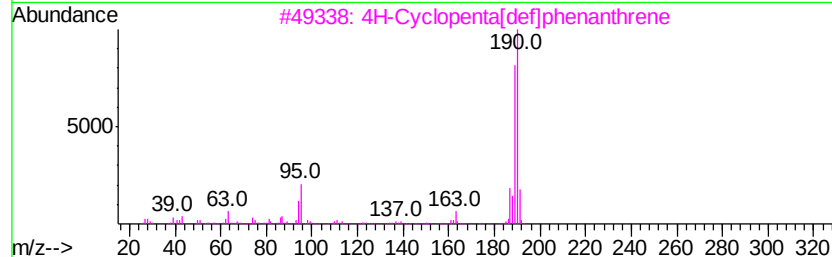
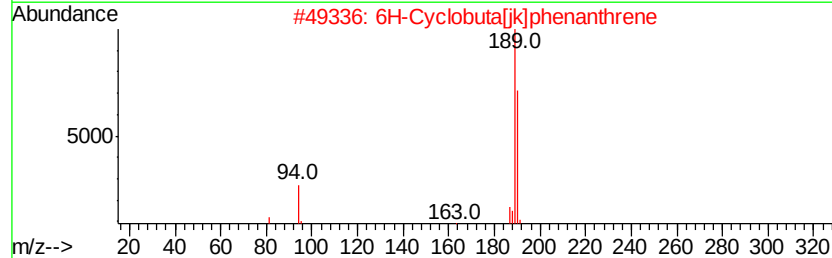
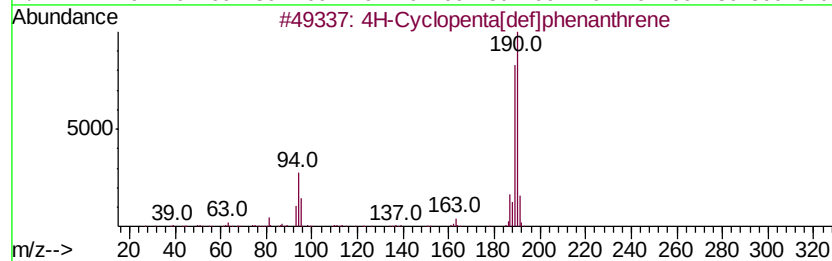
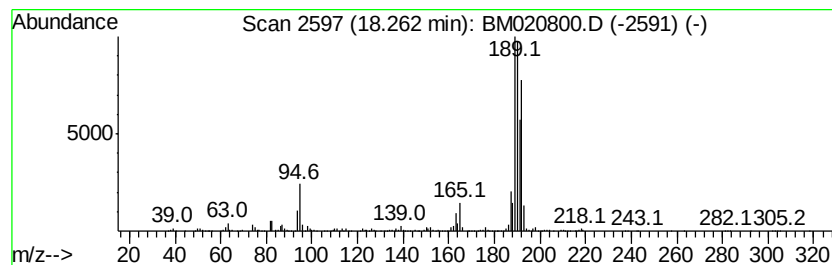
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.26	7.78 ng/ul	2105800	Phenanthrene-d10	17.19		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60	
2	6H-Cyclobuta[jkl]phenanthrene	190	C15H10	083469-43-6	49	
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49	
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	42	
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42	



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
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Misc :
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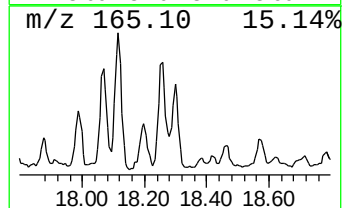
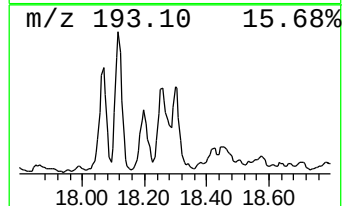
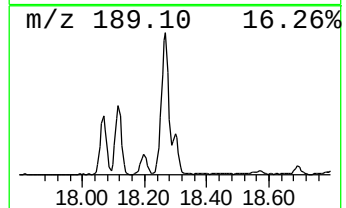
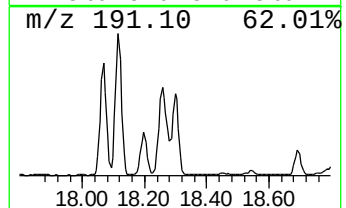
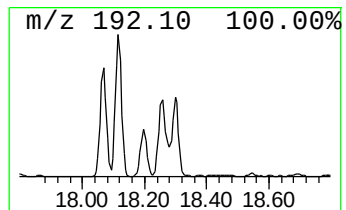
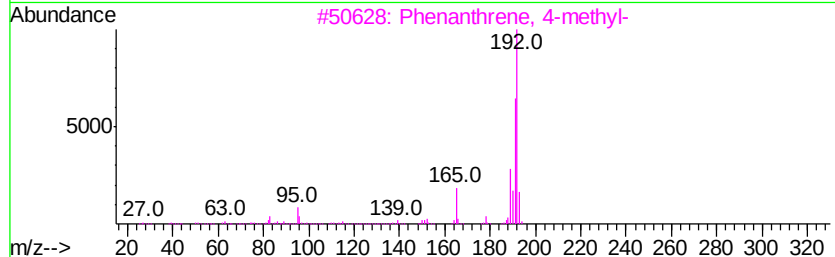
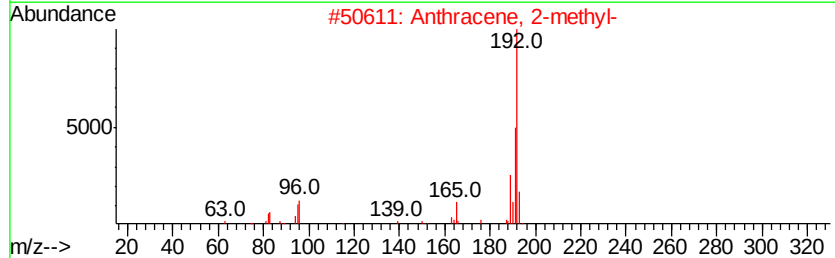
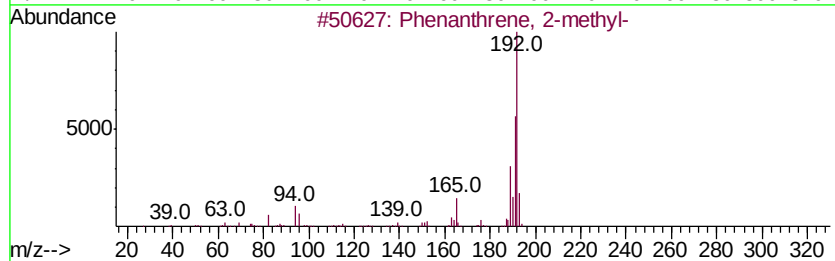
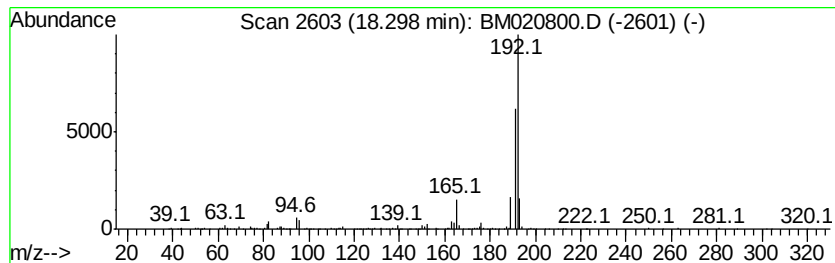
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	2.97 ng/ul	803006	Phenanthrene-d10	17.19

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020800.D
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Operator : HP/JU
Sample : K3201-06DL 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

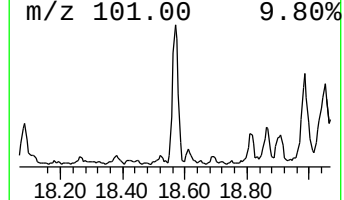
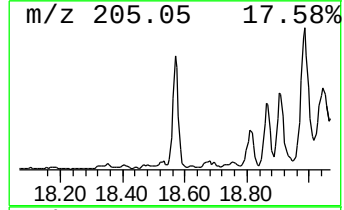
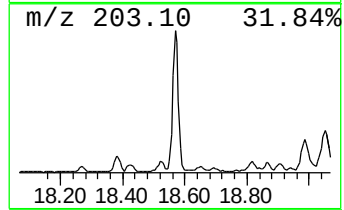
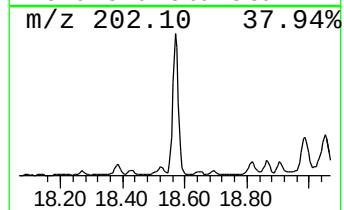
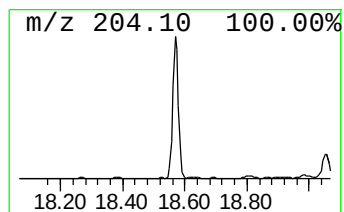
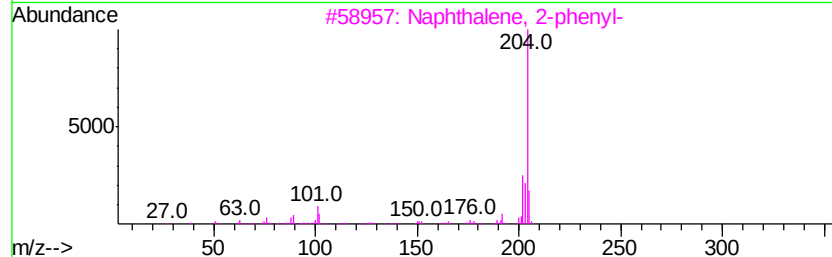
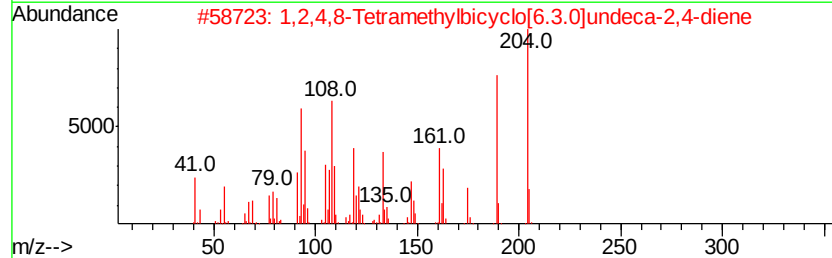
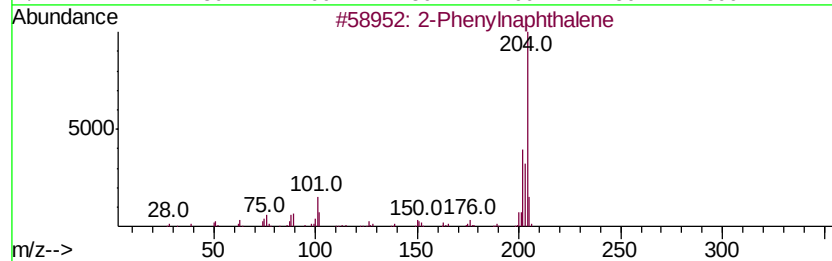
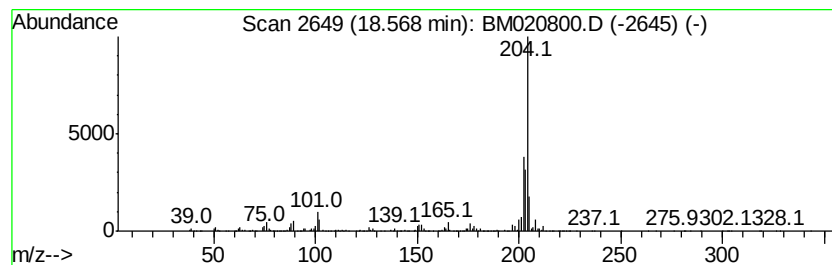
Instrument :
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 2-Phenylnaphthalene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.57	3.43 ng/ul	929073	Phenanthrene-d10	17.19		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	93	
2	1,2,4,8-Tetramethylbicyclo[6.3.0.0.1.2]	204	C15H24	137235-51-9	91	
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90	
4	5,16[1',2']:8,13[1'',2'']-Dibenz[1,2-b:4,5-b']diphenylene	408	C32H24	005672-97-9	87	
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76	



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020800.D
Acq On : 07 Jun 2019 12:40
Operator : HP/JU
Sample : K3201-06DL 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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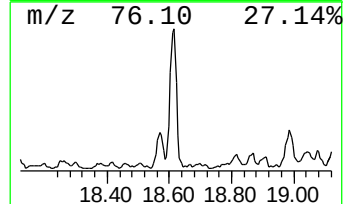
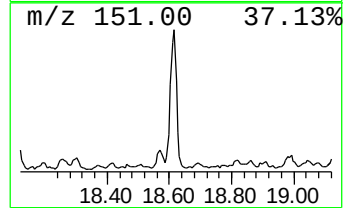
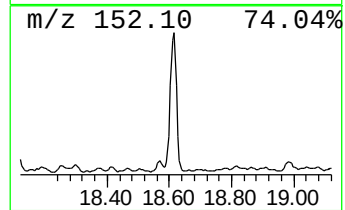
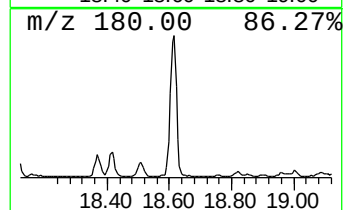
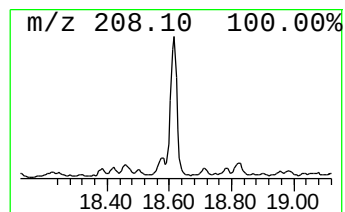
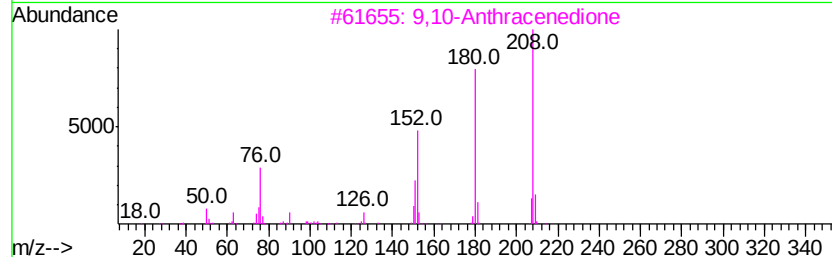
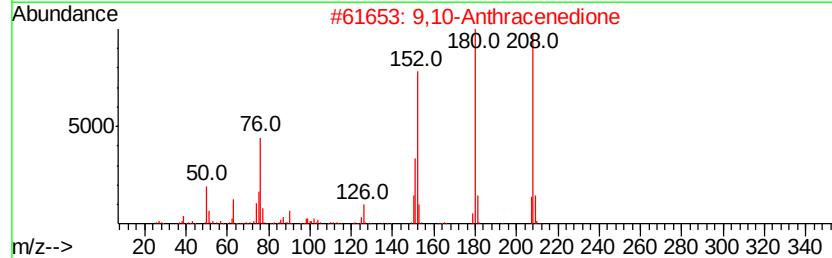
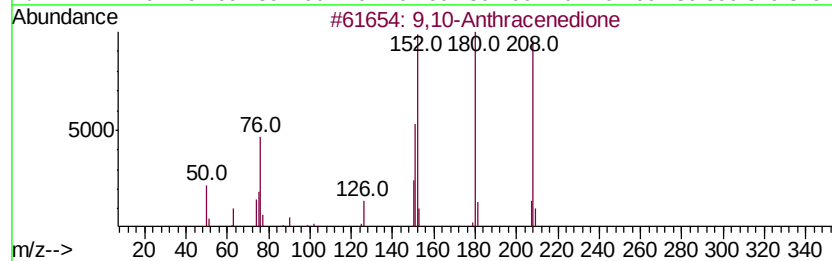
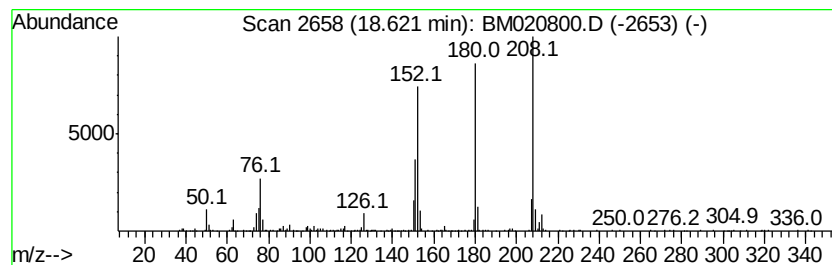
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	3.56 ng/ul	964576	Phenanthrene-d10	17.19

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2			9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3			9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4			1H-Phenalen-1-one	180	C13H8O	000548-39-0	83
5			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
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Sample : K3201-06DL 2X
Misc :
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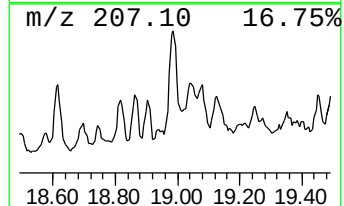
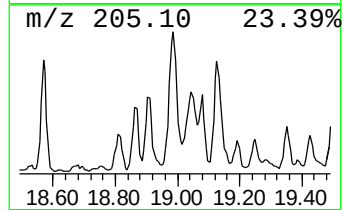
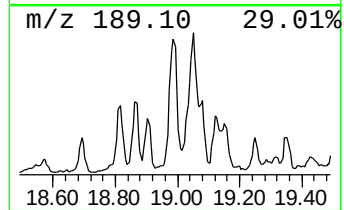
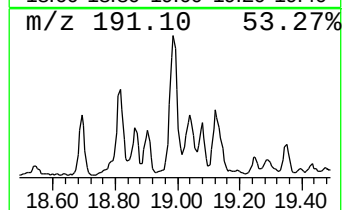
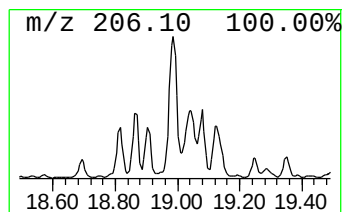
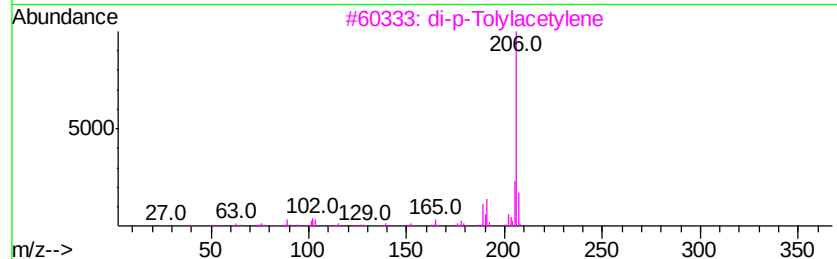
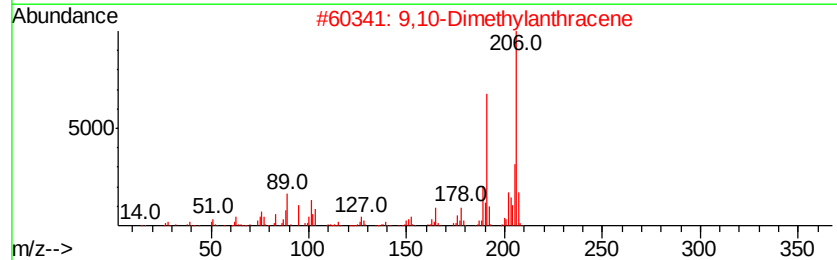
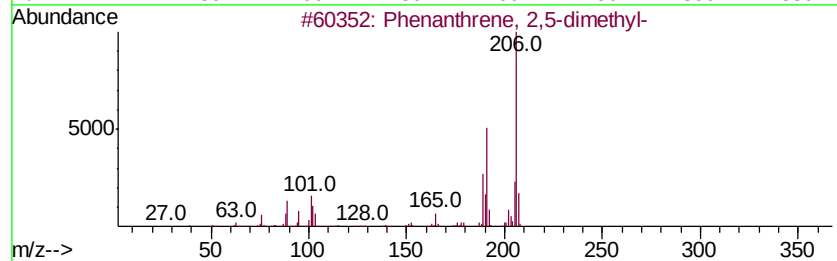
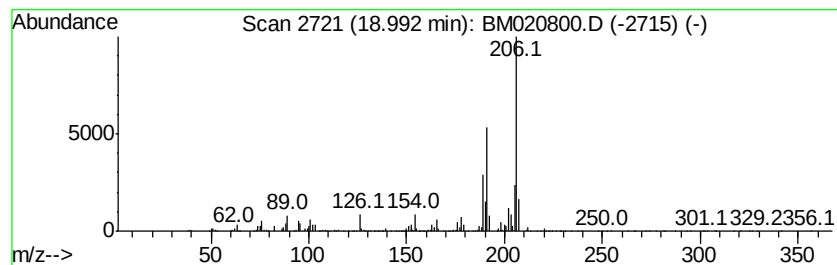
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.
18.99	5.04 ng/ul	1364250	Phenanthrene-d10		17.19
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	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	9,10-Dimethylantracene	206	C16H14	000781-43-1	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
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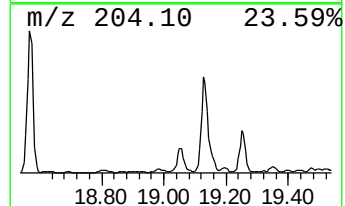
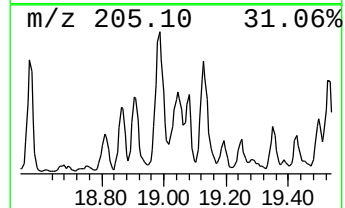
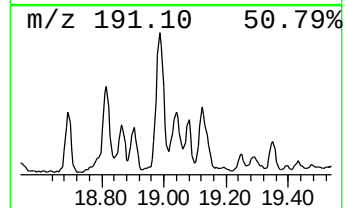
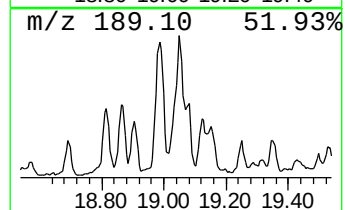
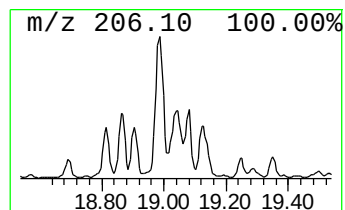
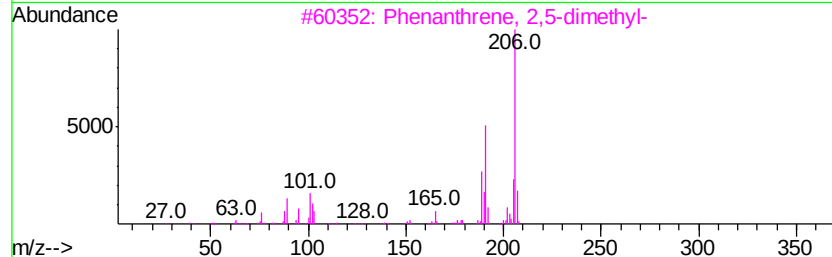
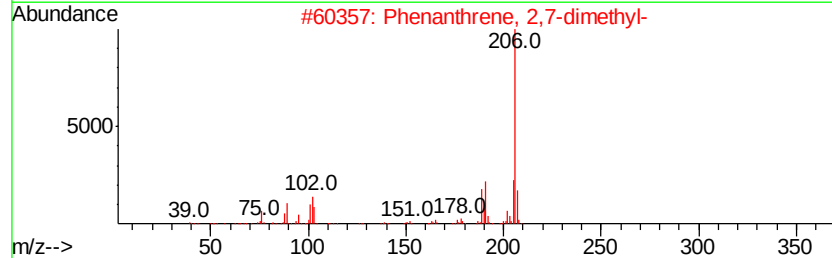
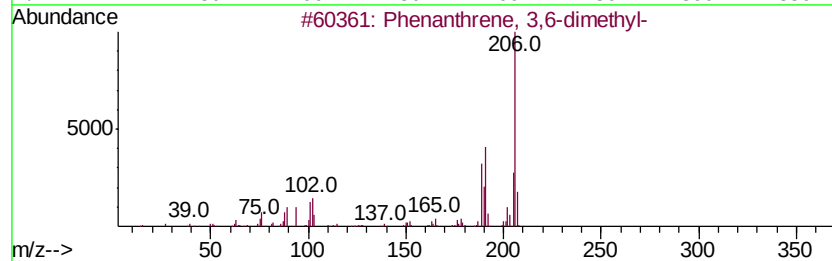
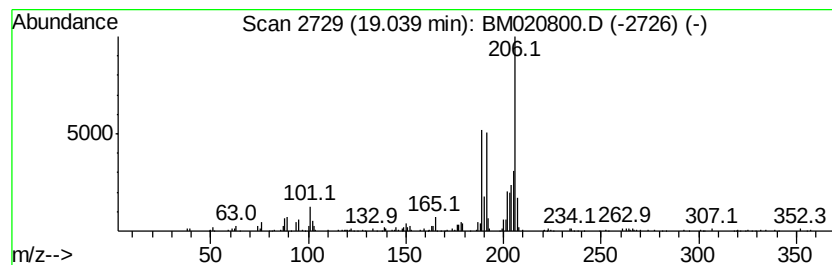
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.
19.04	2.73 ng/ul	740222	Phenanthrene-d10		17.19
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	52
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	49
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	49
5	9,10-Dimethylantracene	206	C16H14	000781-43-1	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020800.D
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Sample : K3201-06DL 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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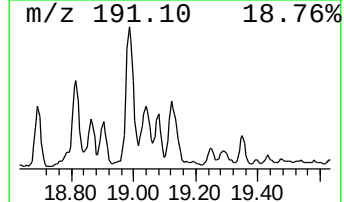
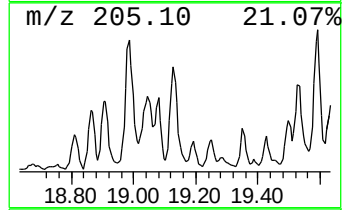
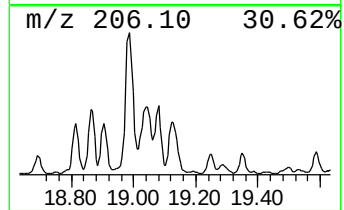
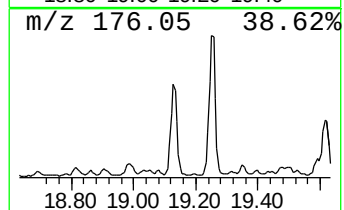
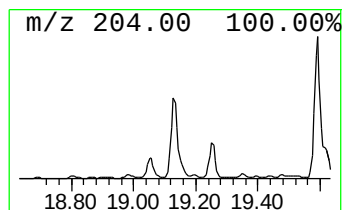
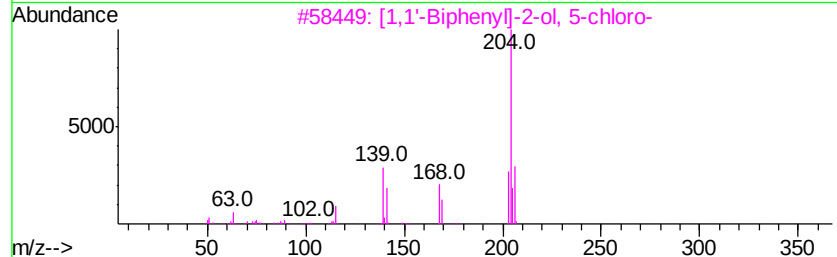
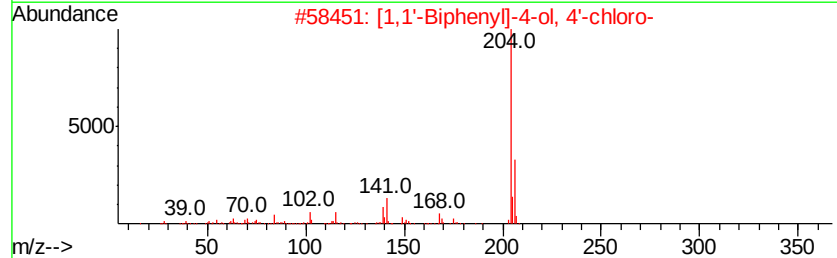
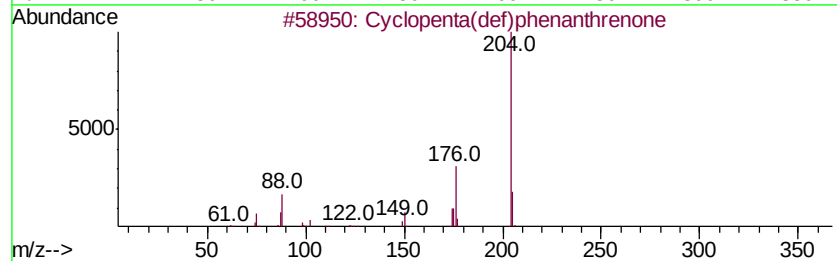
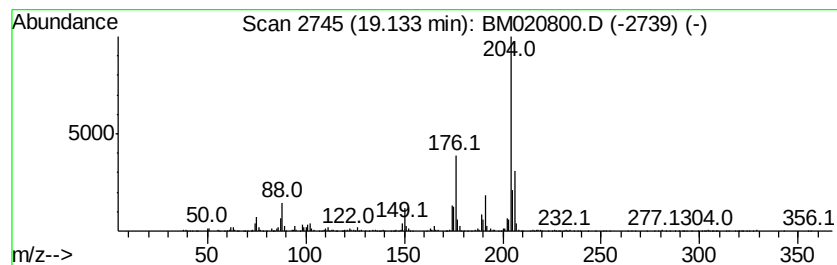
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	3.78 ng/ul	1021880	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
3		[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
4		1,2,4,8-Tetramethylbicyclo[6.3.0...]	204	C15H24	137235-51-9	41
5		[1,1'-Biphenyl]-4-ol, 3-chloro-	204	C12H9ClO	000092-04-6	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020800.D
Acq On : 07 Jun 2019 12:40
Operator : HP/JU
Sample : K3201-06DL 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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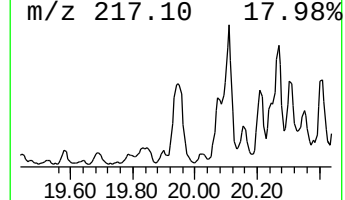
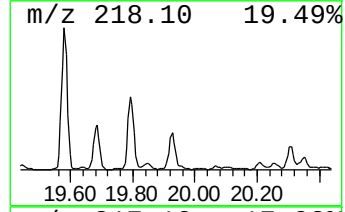
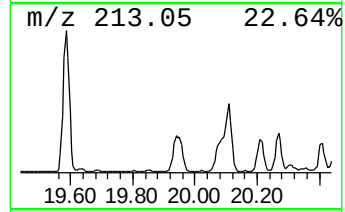
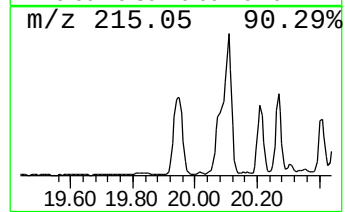
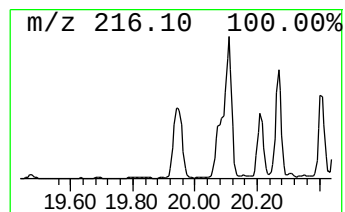
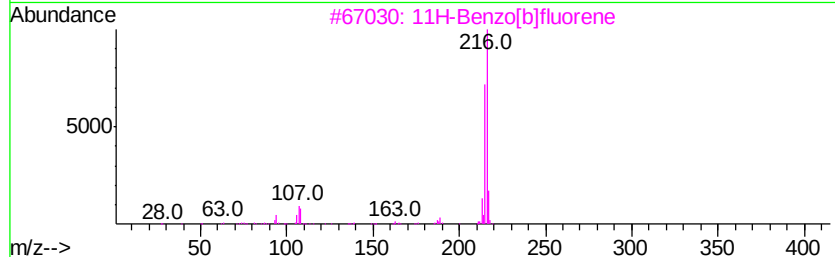
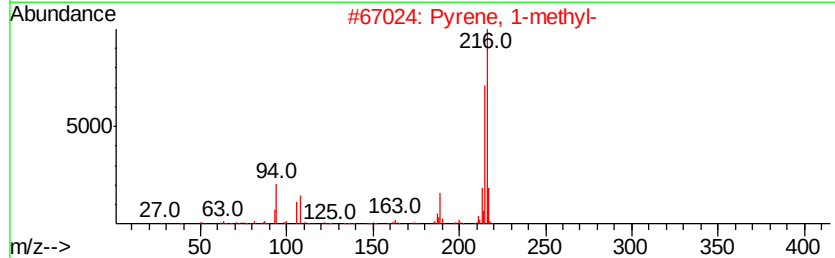
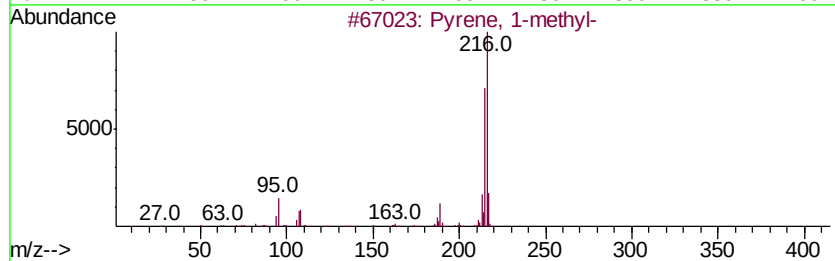
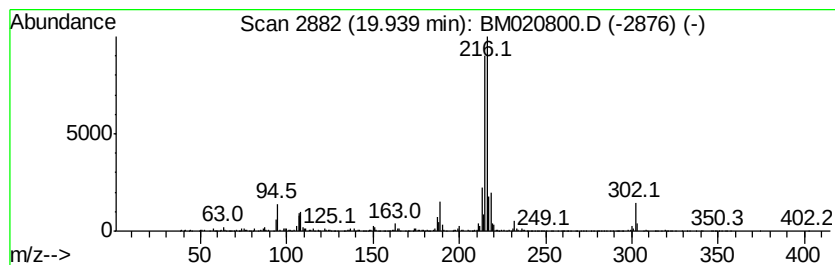
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	3.07 ng/ul	2095850	Chrysene-d12	21.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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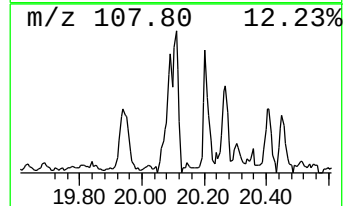
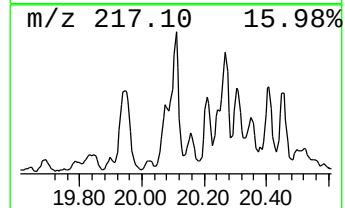
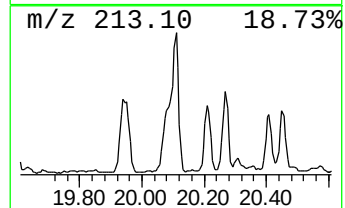
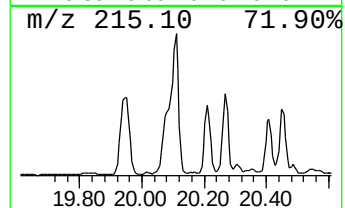
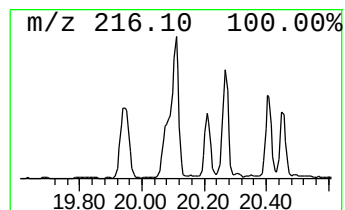
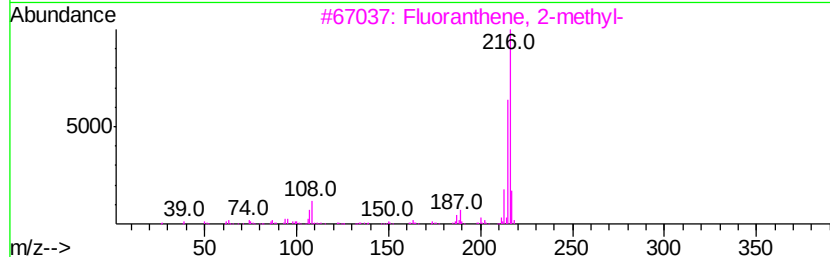
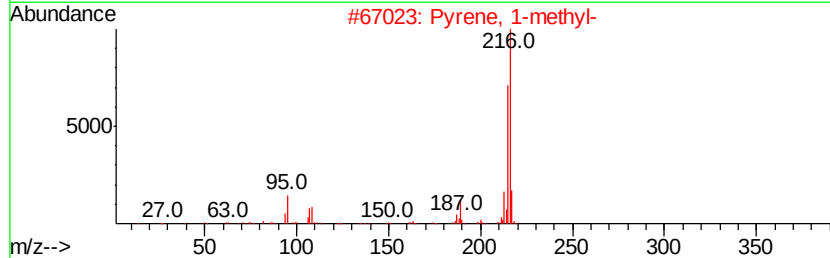
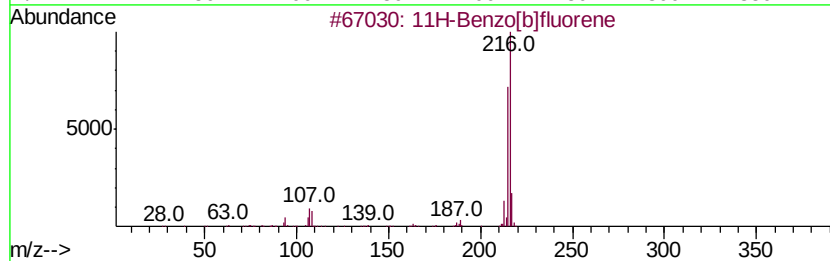
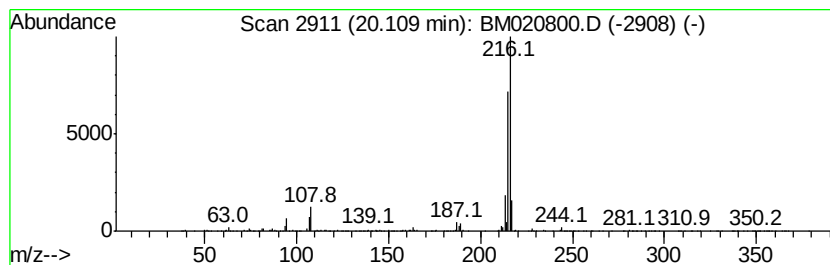
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.11	2.18 ng/ul	1488670	Chrysene-d12	21.38

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2			Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
5			Pyrene, 1-methyl-	216	C17H12	002381-21-7	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020800.D
Acq On : 07 Jun 2019 12:40
Operator : HP/JU
Sample : K3201-06DL 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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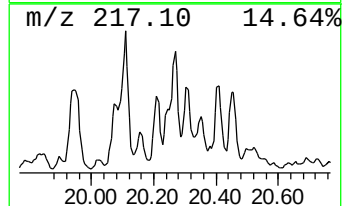
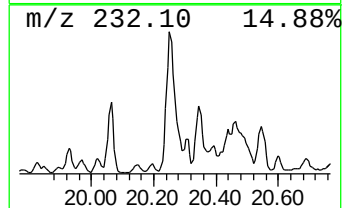
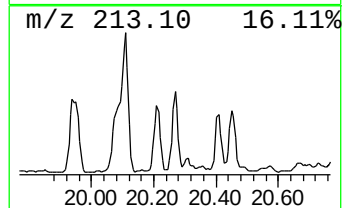
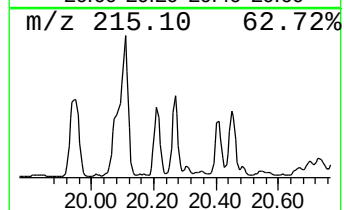
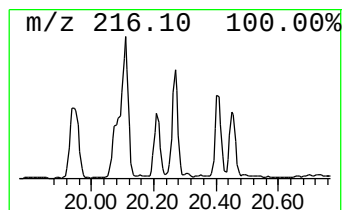
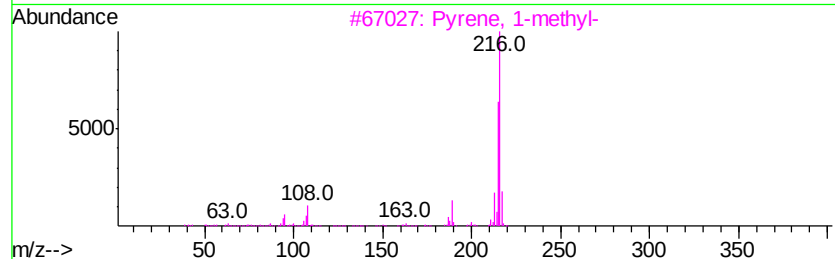
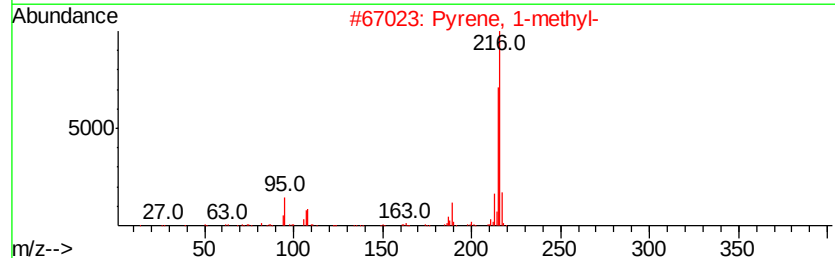
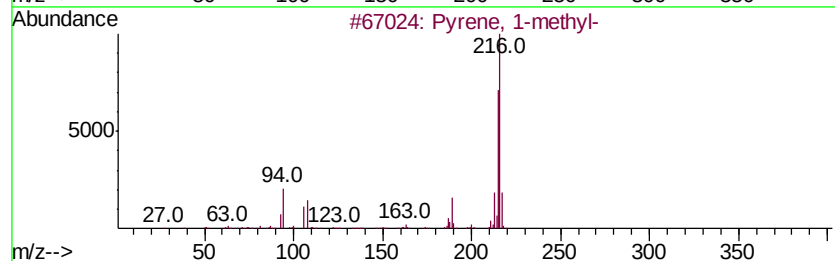
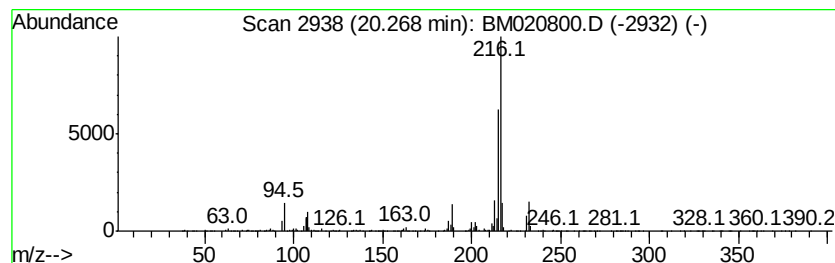
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.27	2.14 ng/ul	1459160	Chrysene-d12	21.38

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, 1-methyl-	216	C17H12	002381-21-7	96
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020800.D
Acq On : 07 Jun 2019 12:40
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Misc :
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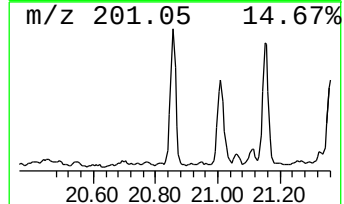
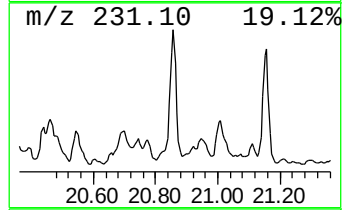
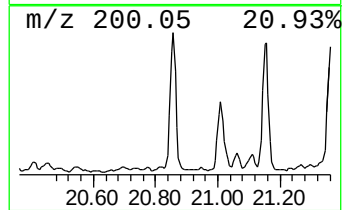
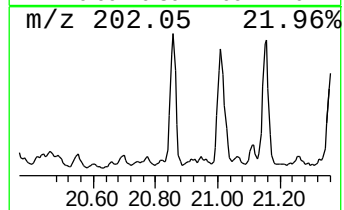
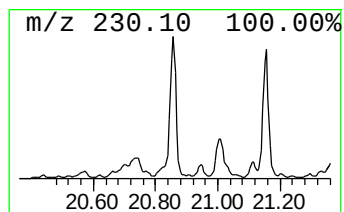
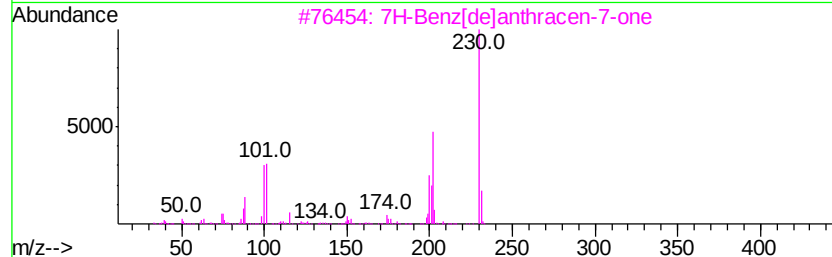
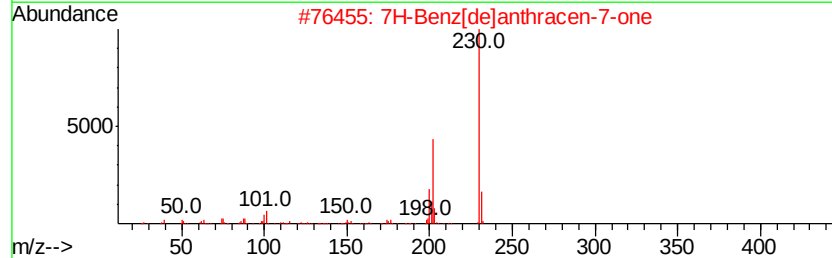
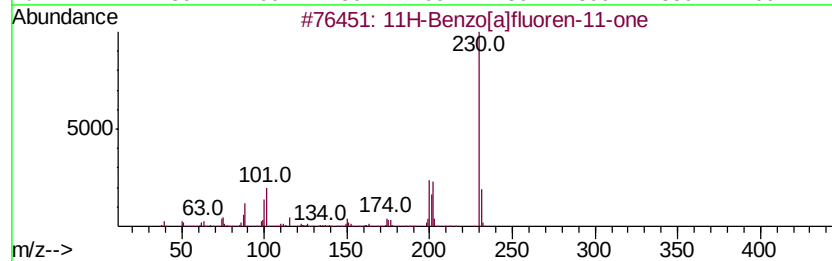
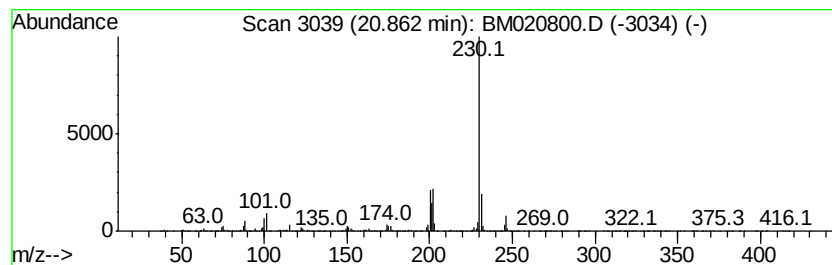
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.86	2.35 ng/ul	1607110	Chrysene-d12	21.38

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	76
5		1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020800.D
Acq On : 07 Jun 2019 12:40
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Misc :
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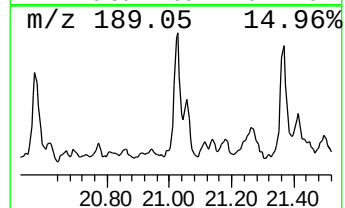
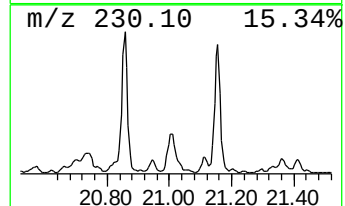
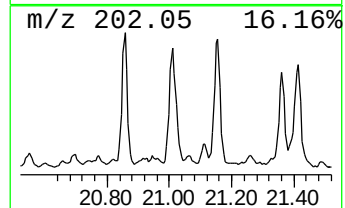
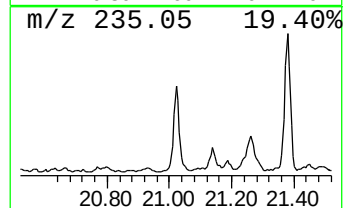
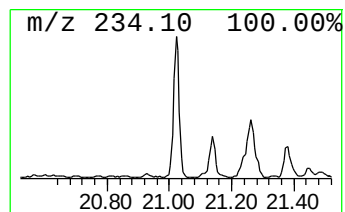
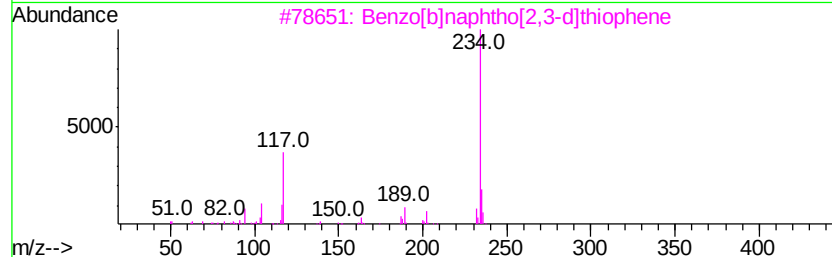
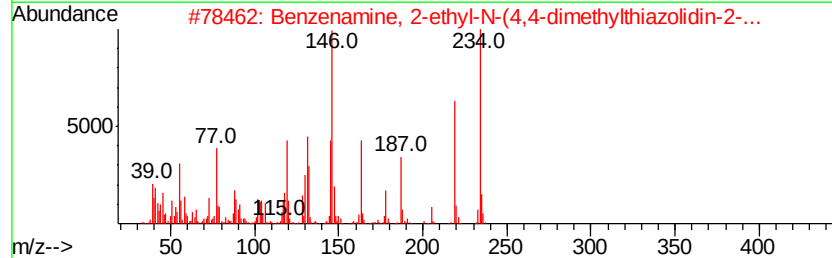
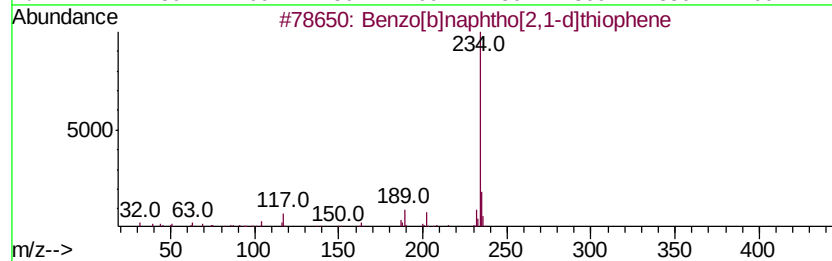
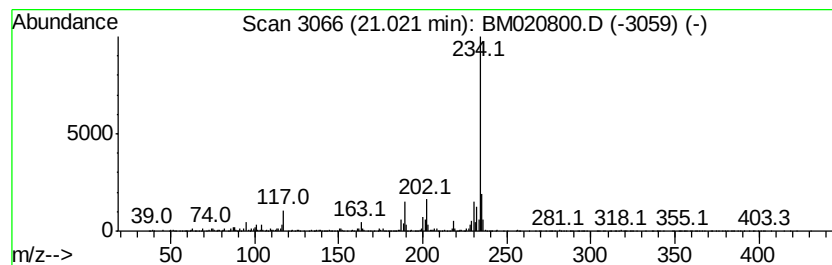
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.02	2.68 ng/ul	1826730	Chrysene-d12	21.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2		Benzenamine, 2-ethyl-N-(4,4-dime...	234	C13H18N2S	1000272-26-2	91
3		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
4		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	87
5		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020800.D
Acq On : 07 Jun 2019 12:40
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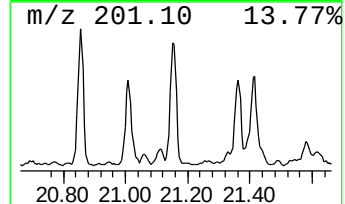
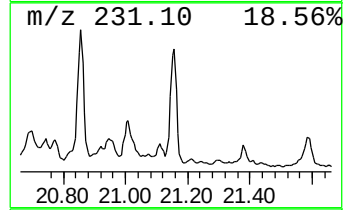
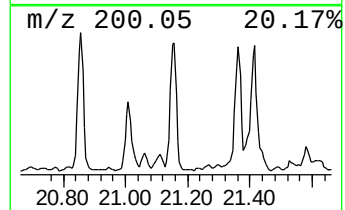
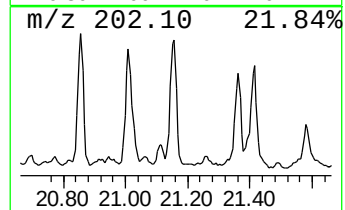
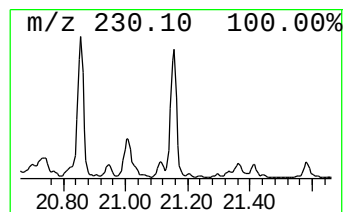
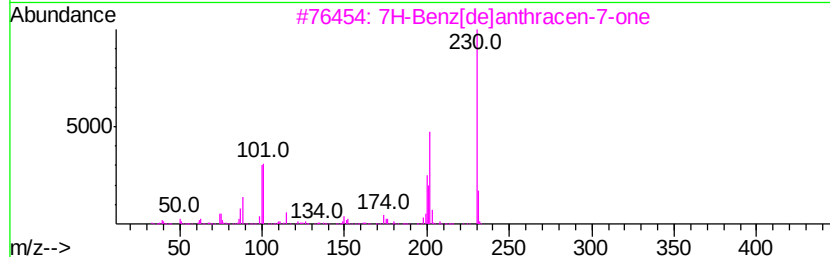
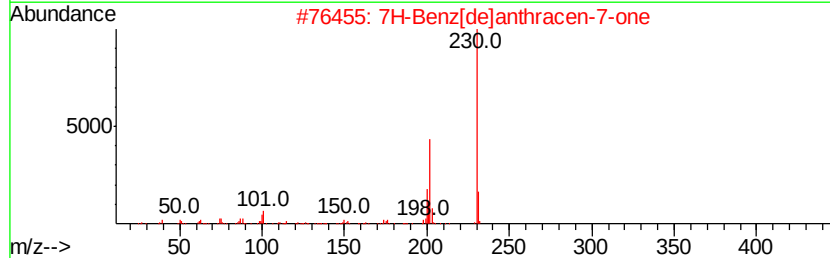
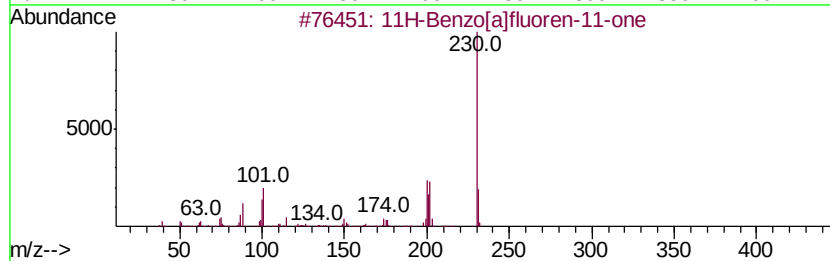
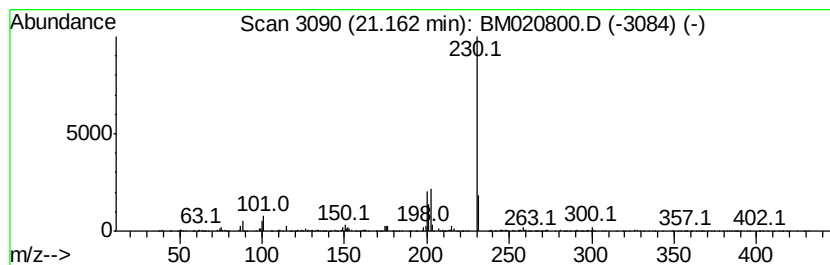
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 7H-Benz[de]anthracen-7-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.16	2.24 ng/ul	1532430	Chrysene-d12	21.38

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	91
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	83
5		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
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Misc :
ALS Vial : 8 Sample Multiplier: 1

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ClientSampleId :
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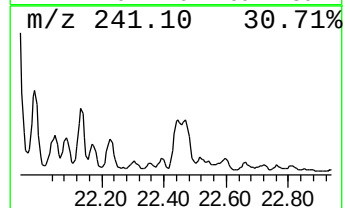
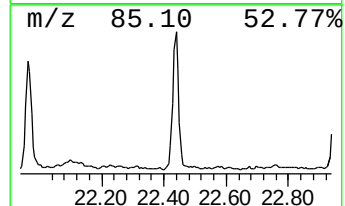
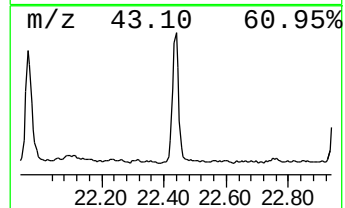
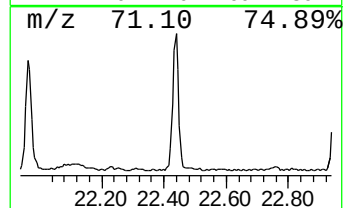
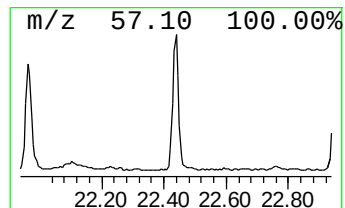
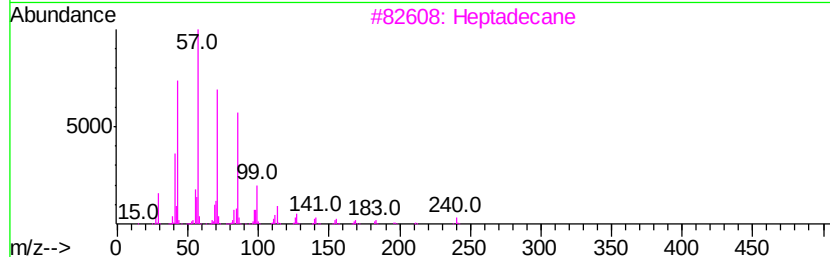
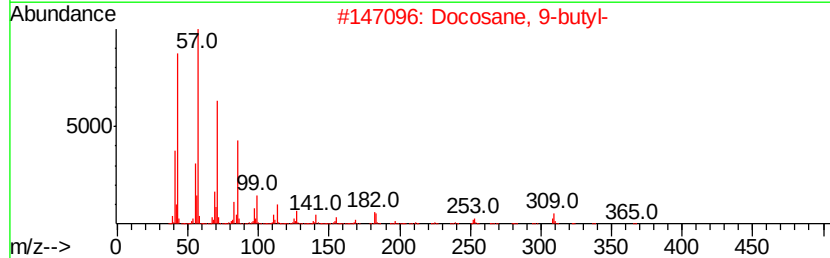
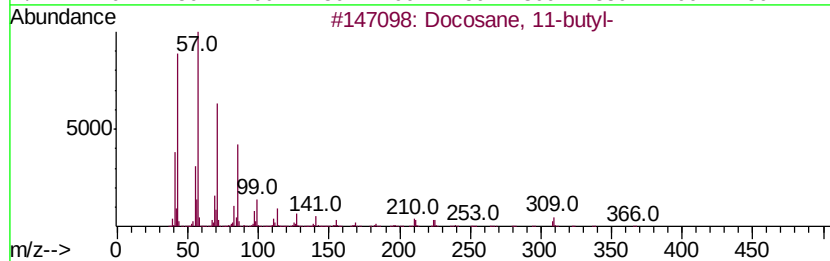
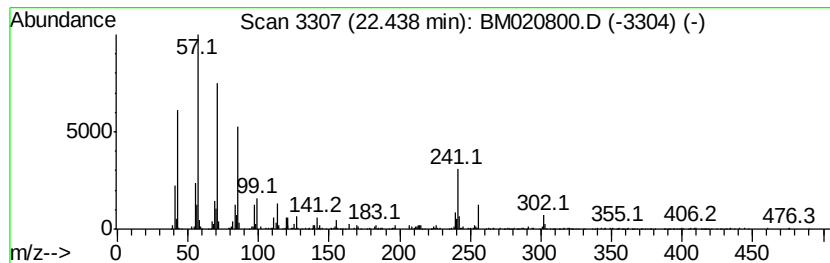
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.44	3.15 ng/ul	2152930	Chrysene-d12	21.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Docosane, 11-butyl-	366	C26H54	013475-76-8	93
2		Docosane, 9-butyl-	366	C26H54	055282-14-9	93
3		Heptadecane	240	C17H36	000629-78-7	93
4		Heptadecane	240	C17H36	000629-78-7	92
5		Tetracosane	338	C24H50	000646-31-1	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020800.D
Acq On : 07 Jun 2019 12:40
Operator : HP/JU
Sample : K3201-06DL 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AB7DL

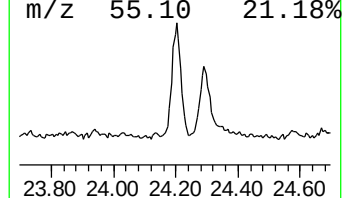
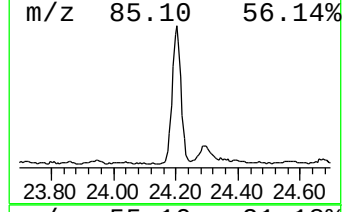
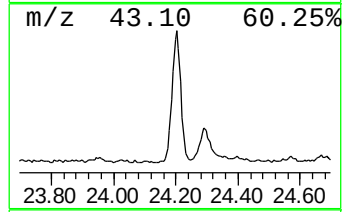
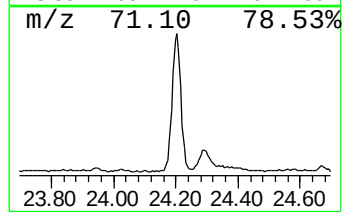
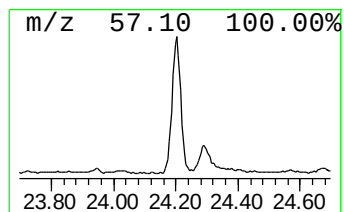
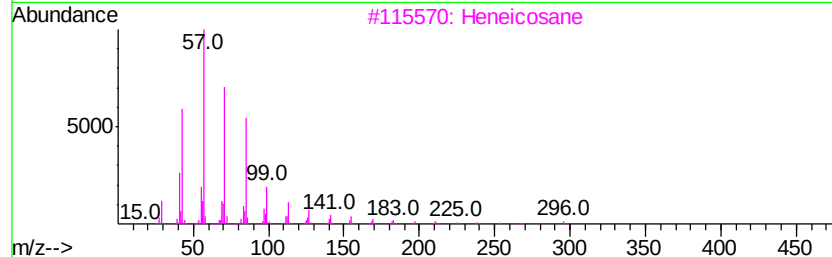
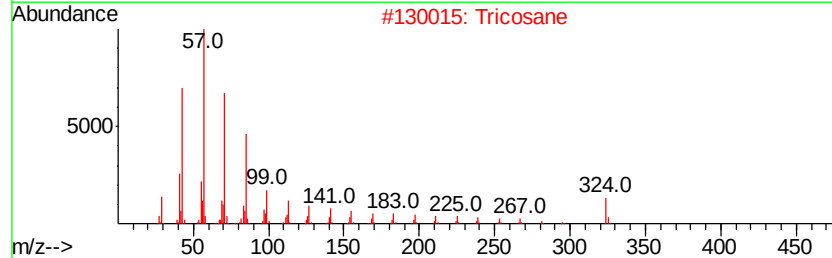
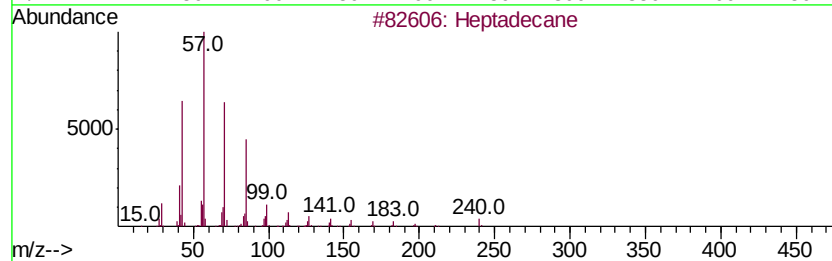
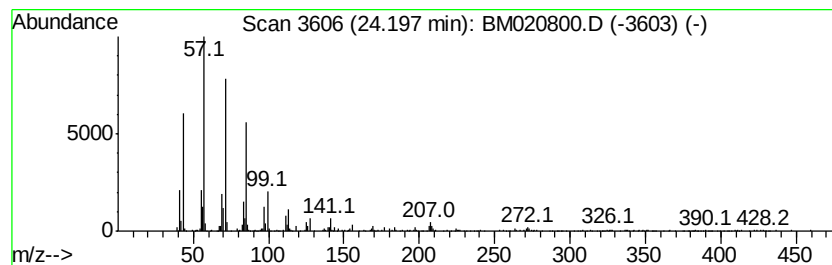
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.20	5.10 ng/ul	1465940	Perylene-d12	23.66

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecane	240	C17H36	000629-78-7	93
2			Tricosane	324	C23H48	000638-67-5	91
3			Heneicosane	296	C21H44	000629-94-7	90
4			Tetratriacontane	479	C34H70	014167-59-0	90
5			Hexadecane	226	C16H34	000544-76-3	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM060719\
 Data File : BM020800.D
 Acq On : 07 Jun 2019 12:40
 Operator : HP/JU
 Sample : K3201-06DL 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AB7DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
 Quant Title : SVOA CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-methoxy...	3.05	50.6	ng/ul	6336880	1	7.81	2503690	20.0
Phenanthrene, 2-m...	18.07	8.0	ng/ul	2151980	4	17.19	5413590	20.0
Phenanthrene, 1-m...	18.12	6.2	ng/ul	1680160	4	17.19	5413590	20.0
4H-Cyclopenta[def...	18.26	7.8	ng/ul	2105800	4	17.19	5413590	20.0
Anthracene, 2-met...	18.30	3.0	ng/ul	803006	4	17.19	5413590	20.0
2-Phenylanthralene	18.57	3.4	ng/ul	929073	4	17.19	5413590	20.0
9,10-Anthracenedione	18.62	3.6	ng/ul	964576	4	17.19	5413590	20.0
Phenanthrene, 2,5...	18.99	5.0	ng/ul	1364250	4	17.19	5413590	20.0
Phenanthrene, 3,6...	19.04	2.7	ng/ul	740222	4	17.19	5413590	20.0
Cyclopenta(def)ph...	19.13	3.8	ng/ul	1021880	4	17.19	5413590	20.0
Pyrene, 1-methyl-	19.94	3.1	ng/ul	2095850	5	21.38	13654400	20.0
11H-Benzo[b]fluorene	20.11	2.2	ng/ul	1488670	5	21.38	13654400	20.0
Fluoranthene, 2-m...	20.27	2.1	ng/ul	1459160	5	21.38	13654400	20.0
11H-Benzo[a]fluor...	20.86	2.4	ng/ul	1607110	5	21.38	13654400	20.0
Benzo[b]naphtho[2...	21.02	2.7	ng/ul	1826730	5	21.38	13654400	20.0
7H-Benz[de]anthra...	21.16	2.2	ng/ul	1532430	5	21.38	13654400	20.0
(DEL) Alkane: Str...	22.44	3.1	ng/ul	2152930	5	21.38	13654400	20.0
(DEL) Alkane: Str...	24.20	5.1	ng/ul	1465940	6	23.66	5744120	20.0