

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
 Data File : BM020504.D
 Acq On : 22 May 2019 22:48
 Operator : JU/SJ
 Sample : K2927-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4294

Integration Parameters: LSCINT.P

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

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

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.851	652	657	673	rVB	222382	391282	6.07%	0.528%
2	7.022	680	686	694	rBV	174204	289014	4.48%	0.390%
3	7.210	712	718	727	rBV	249467	406877	6.31%	0.549%
4	7.675	792	797	807	rVB	260379	411990	6.39%	0.556%
5	8.392	913	919	926	rBV	243700	403607	6.26%	0.545%
6	8.845	990	996	1005	rBV	208107	365540	5.67%	0.494%
7	9.563	1112	1118	1128	rVB	185437	311540	4.83%	0.421%
8	10.098	1202	1209	1221	rBV	293516	500102	7.75%	0.675%
9	10.469	1266	1272	1278	rVV	341884	551342	8.55%	0.744%
10	10.622	1291	1298	1310	rBV	116083	251925	3.91%	0.340%
11	13.510	1781	1789	1797	rBV4	32255	82971	1.29%	0.112%
12	13.651	1807	1813	1818	rBV2	78410	138640	2.15%	0.187%
13	13.704	1818	1822	1825	rVV	49879	69944	1.08%	0.094%
14	13.751	1825	1830	1834	rVV	520411	724003	11.23%	0.978%
15	13.798	1834	1838	1844	rVB	218842	296883	4.60%	0.401%
16	14.033	1871	1878	1881	rBV	565124	964793	14.96%	1.303%
17	14.057	1881	1882	1893	rVB	321080	374890	5.81%	0.506%
18	14.339	1921	1930	1936	rBV2	505945	775105	12.02%	1.047%
19	14.404	1936	1941	1949	rVB	92647	147742	2.29%	0.199%
20	14.568	1959	1969	1977	rBV2	160803	302924	4.70%	0.409%
21	14.739	1990	1998	2006	rVV2	144081	235221	3.65%	0.318%
22	14.810	2006	2010	2015	rVB2	54938	74949	1.16%	0.101%
23	14.951	2029	2034	2039	rBV3	53048	93352	1.45%	0.126%
24	15.127	2056	2064	2067	rBV2	39851	88486	1.37%	0.119%
25	15.333	2090	2099	2104	rVV	785243	1150361	17.84%	1.553%
26	15.392	2104	2109	2119	rVV	229374	400508	6.21%	0.541%
27	15.480	2119	2124	2129	rVV	157375	252591	3.92%	0.341%
28	15.551	2132	2136	2140	rVV4	36106	73473	1.14%	0.099%
29	15.598	2140	2144	2149	rVV2	36837	80648	1.25%	0.109%
30	15.680	2153	2158	2164	rVV	115672	193459	3.00%	0.261%
31	15.833	2179	2184	2192	rVV	110791	223160	3.46%	0.301%
32	16.057	2214	2222	2230	rBV7	64106	148635	2.30%	0.201%
33	16.398	2268	2280	2284	rBV2	87978	197923	3.07%	0.267%
34	16.621	2310	2318	2321	rBV3	80560	139144	2.16%	0.188%

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35	16.751	2335	2340	2346	rBV	184803	275292	4.27%	0.372%
36	16.815	2346	2351	2357	rVV2	74504	141462	2.19%	0.191%
37	16.909	2363	2367	2375	rVB	117871	178237	2.76%	0.241%
38	17.092	2393	2398	2401	rBV2	682935	990717	15.36%	1.338%
39	17.139	2401	2406	2411	rVV	2620478	3657534	56.71%	4.939%
40	17.192	2411	2415	2418	rVV	874981	1193886	18.51%	1.612%
41	17.227	2418	2421	2426	rVB	631547	828961	12.85%	1.119%
42	17.509	2459	2469	2475	rBV3	130869	324444	5.03%	0.438%
43	17.609	2482	2486	2489	rBV	87176	119216	1.85%	0.161%
44	17.674	2492	2497	2504	rVB5	93043	190580	2.95%	0.257%
45	17.809	2517	2520	2530	rVB2	41536	80742	1.25%	0.109%
46	17.968	2541	2547	2551	rVV	445374	720414	11.17%	0.973%
47	18.015	2551	2555	2560	rVV	545269	752945	11.67%	1.017%
48	18.098	2564	2569	2574	rVB	209506	288267	4.47%	0.389%
49	18.162	2574	2580	2584	rBV2	602231	1116067	17.30%	1.507%
50	18.198	2584	2586	2593	rVB	324026	396397	6.15%	0.535%
51	18.274	2594	2599	2604	rBV5	51828	94946	1.47%	0.128%
52	18.468	2627	2632	2637	rBV	279725	381036	5.91%	0.514%
53	18.527	2637	2642	2647	rVB	207740	279883	4.34%	0.378%
54	18.715	2671	2674	2678	rVV4	89007	130833	2.03%	0.177%
55	18.768	2679	2683	2686	rVB	93674	118529	1.84%	0.160%
56	18.803	2686	2689	2693	rVB2	98589	124386	1.93%	0.168%
57	18.886	2698	2703	2707	rBV	279943	484095	7.51%	0.654%
58	18.956	2708	2715	2717	rVV3	129042	290019	4.50%	0.392%
59	18.980	2717	2719	2723	rVB	124244	135040	2.09%	0.182%
60	19.039	2723	2729	2738	rBV2	310126	576567	8.94%	0.779%
61	19.162	2742	2750	2756	rBV	4894558	6449622	100.00%	8.709%
62	19.221	2756	2760	2763	rBV	77738	103284	1.60%	0.139%
63	19.256	2763	2766	2770	rBV2	131409	165628	2.57%	0.224%
64	19.309	2771	2775	2779	rVB	288151	351510	5.45%	0.475%
65	19.368	2780	2785	2786	rBV3	68873	100172	1.55%	0.135%
66	19.492	2801	2806	2809	rBV2	1527912	2480571	38.46%	3.349%
67	19.527	2809	2812	2819	rVV	4186896	5202549	80.66%	7.025%
68	19.592	2819	2823	2830	rVB2	257049	372665	5.78%	0.503%
69	19.703	2837	2842	2847	rVB	245699	331635	5.14%	0.448%
70	19.768	2847	2853	2859	rVB2	136492	270934	4.20%	0.366%
71	19.845	2860	2866	2874	rBV2	337895	879915	13.64%	1.188%

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72	19.915	2874	2878	2884	rBV4	67761	156373	2.42%	0.211%
73	19.986	2884	2890	2891	rVV3	300156	482268	7.48%	0.651%
74	20.015	2892	2895	2900	rVB	527070	784638	12.17%	1.059%
75	20.115	2909	2912	2916	rBV	257143	333607	5.17%	0.450%
76	20.174	2916	2922	2927	rVB2	419133	758882	11.77%	1.025%
77	20.250	2933	2935	2942	rBV3	72789	163594	2.54%	0.221%
78	20.315	2943	2946	2950	rVV	284975	349325	5.42%	0.472%
79	20.362	2950	2954	2958	rVB	285810	378206	5.86%	0.511%
80	20.768	3019	3023	3030	rBV	582777	771162	11.96%	1.041%
81	20.933	3047	3051	3054	rBV2	301707	443123	6.87%	0.598%
82	20.974	3054	3058	3061	rVV2	550115	742553	11.51%	1.003%
83	21.009	3061	3064	3069	rVV2	338891	561153	8.70%	0.758%
84	21.068	3070	3074	3079	rVB	602968	777861	12.06%	1.050%
85	21.274	3104	3109	3115	rBV2	2829455	5236323	81.19%	7.070%
86	21.327	3115	3118	3128	rVB	2248170	2861038	44.36%	3.863%
87	21.444	3135	3138	3143	rBV4	147354	227248	3.52%	0.307%
88	21.497	3144	3147	3151	rBV2	282714	385343	5.97%	0.520%
89	21.644	3170	3172	3176	rBV3	125170	142107	2.20%	0.192%
90	21.780	3192	3195	3198	rBV2	162620	206167	3.20%	0.278%
91	21.839	3201	3205	3208	rVB	424753	626707	9.72%	0.846%
92	22.033	3235	3238	3241	rBV	257077	315320	4.89%	0.426%
93	22.868	3374	3380	3385	rBV	1981102	4624032	71.69%	6.244%
94	23.033	3404	3408	3414	rVB	401055	667014	10.34%	0.901%
95	23.350	3457	3462	3466	rBV	936348	1660611	25.75%	2.242%
96	23.397	3467	3470	3474	rVV	715481	1265640	19.62%	1.709%
97	23.450	3474	3479	3486	rVB	1736888	3070426	47.61%	4.146%
98	23.544	3490	3495	3499	rVV	653536	1172489	18.18%	1.583%
99	23.591	3500	3503	3512	rVB2	479310	853290	13.23%	1.152%
100	25.832	3878	3884	3894	rVB	872710	2351369	36.46%	3.175%

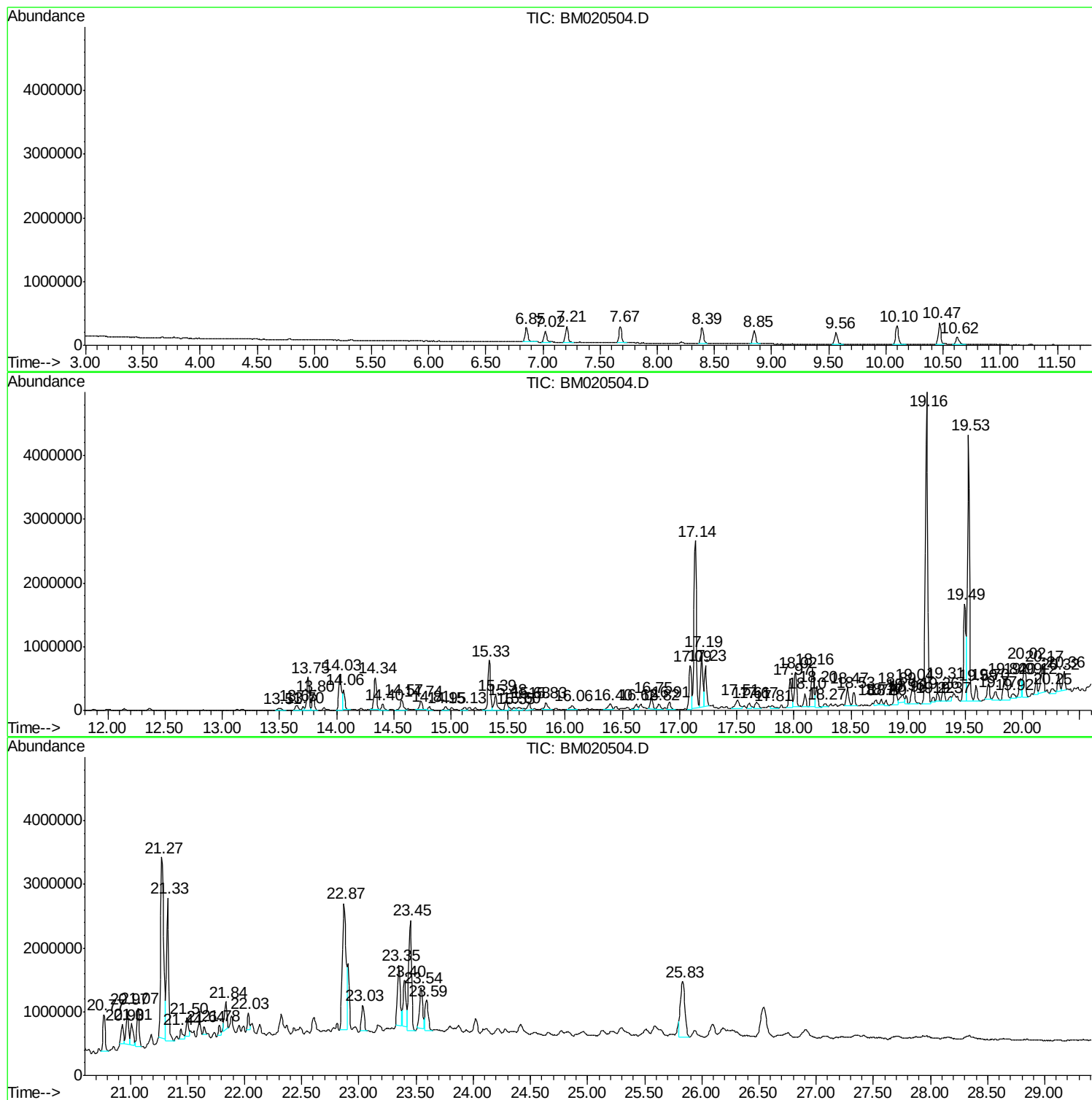
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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



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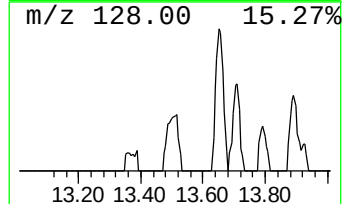
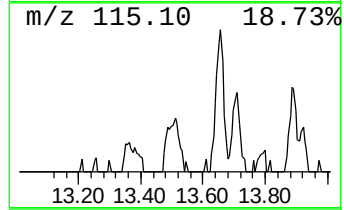
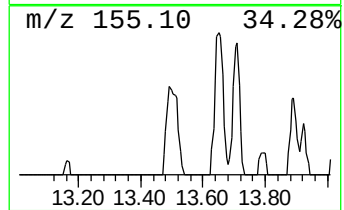
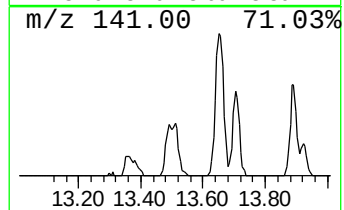
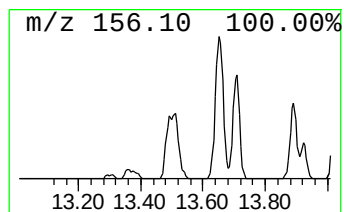
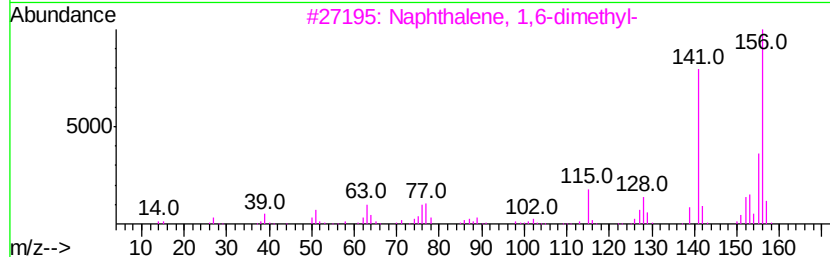
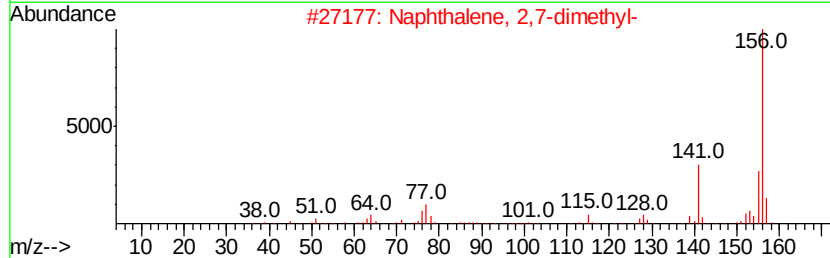
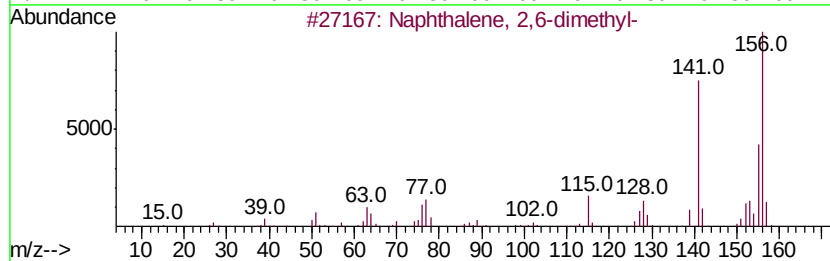
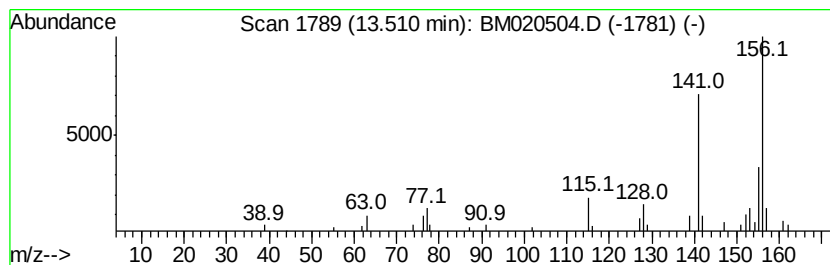
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Naphthalene, 2,6-dimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	2.14 ng/ul	82971	Acenaphthene-d10	14.34
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 98
2		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 97
3		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 97
4		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 97
5		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 97



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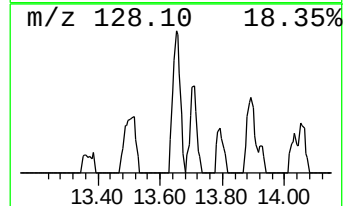
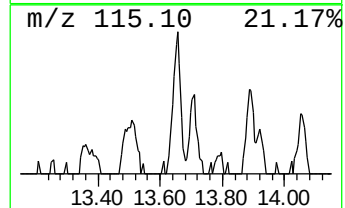
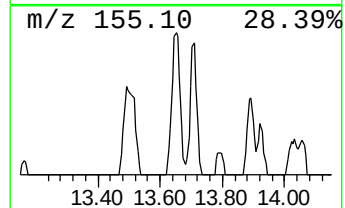
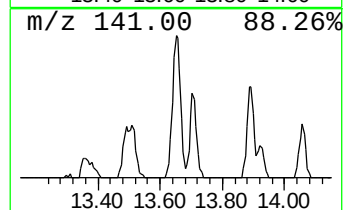
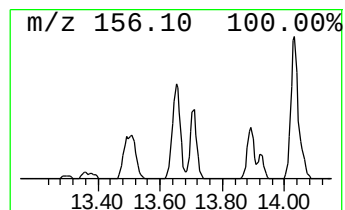
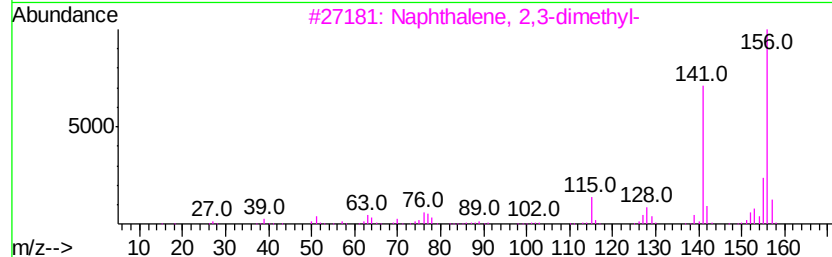
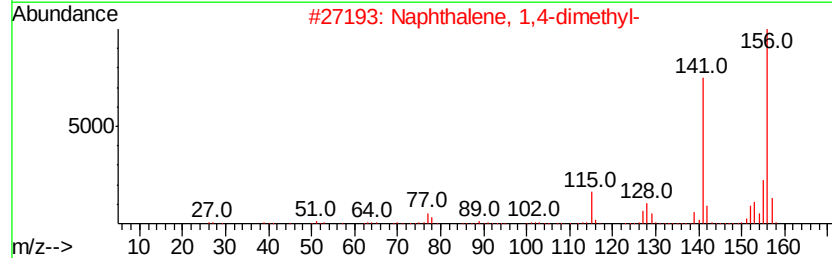
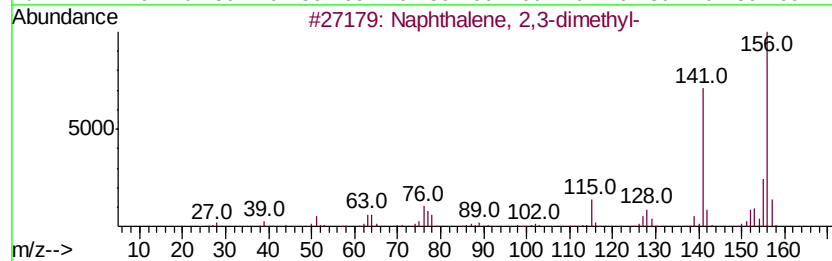
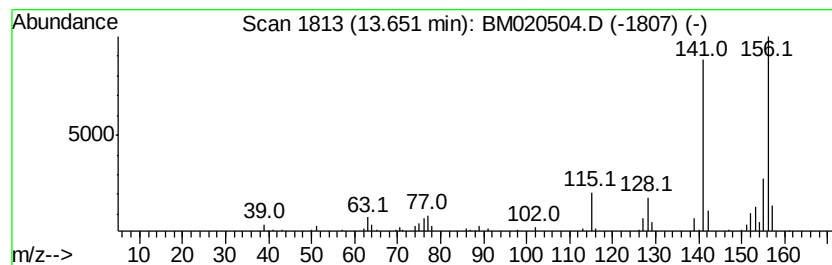
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	3.58 ng/ul	138640	Acenaphthene-d10	14.34
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 97
2		Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4 96
3		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 96
4		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 96
5		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 96



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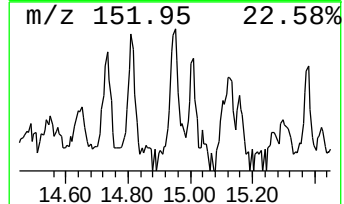
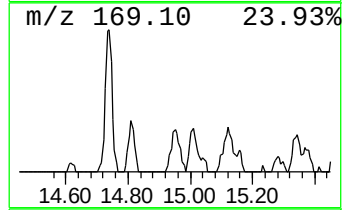
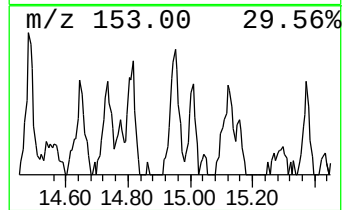
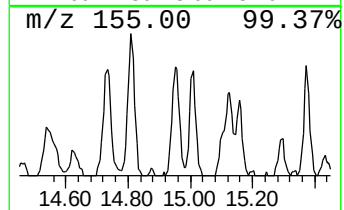
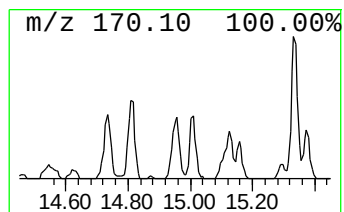
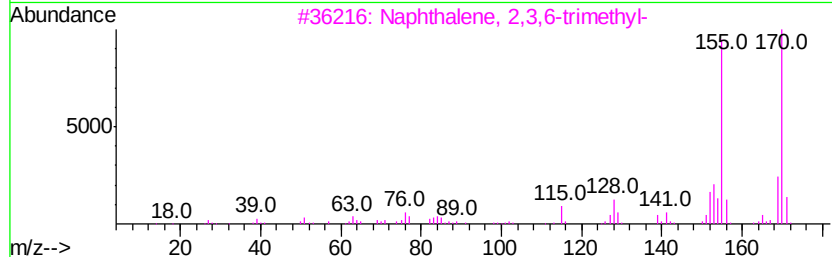
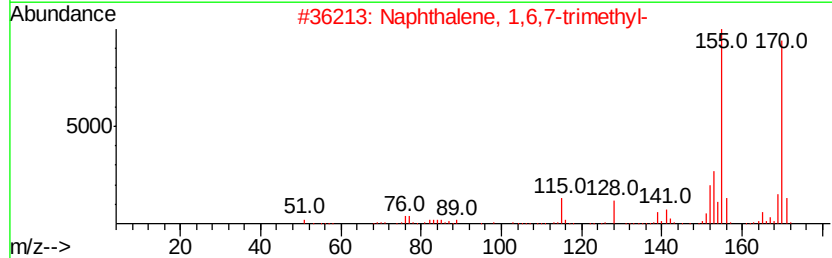
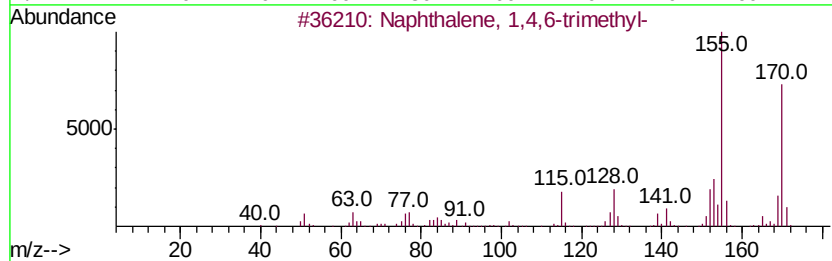
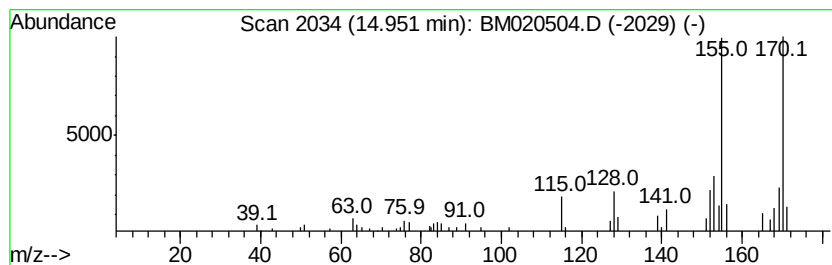
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Peak Number 3 Naphthalene, 1,4,6-trimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	2.41 ng/ul	93352	Acenaphthene-d10	14.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	98
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
5		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
Data File : BM020504.D
Acq On : 22 May 2019 22:48
Operator : JU/SJ
Sample : K2927-03
Misc :
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Instrument :
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ClientSampleId :
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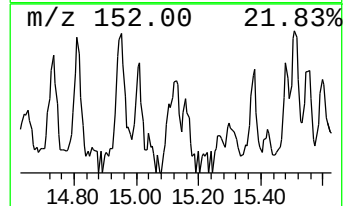
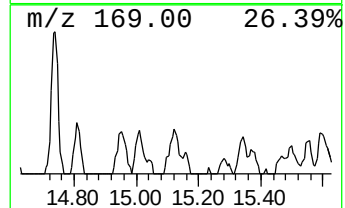
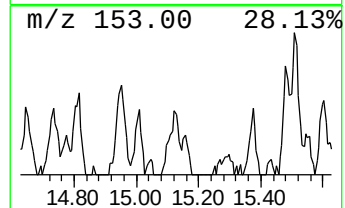
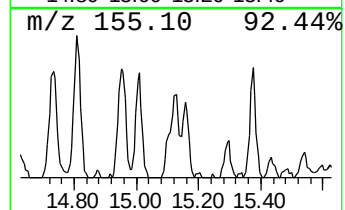
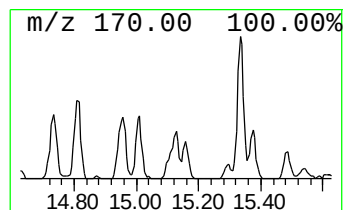
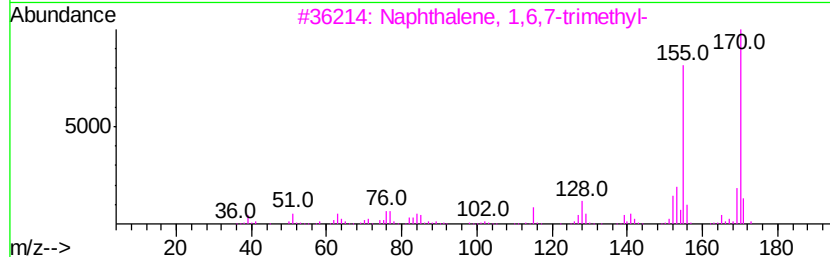
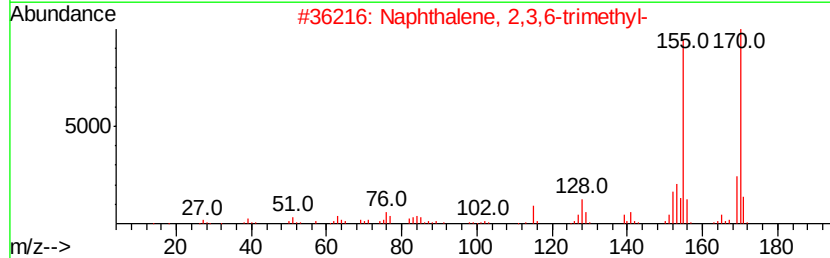
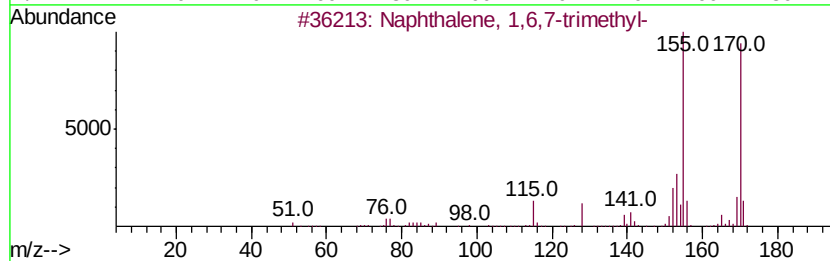
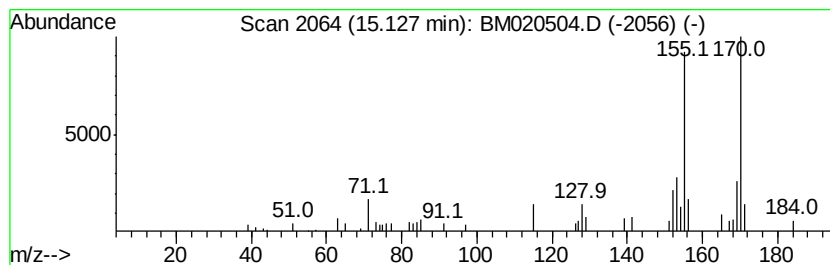
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 Naphthalene, 1,6,7-trimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	2.28 ng/ul	88486	Acenaphthene-d10	14.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
4		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
5		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
Data File : BM020504.D
Acq On : 22 May 2019 22:48
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ClientSampleId :
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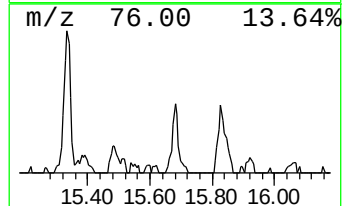
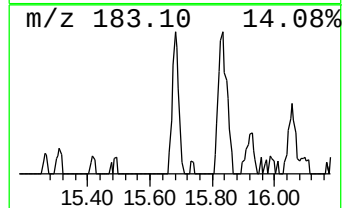
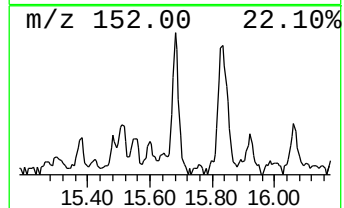
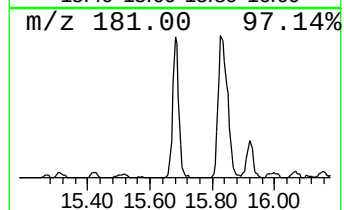
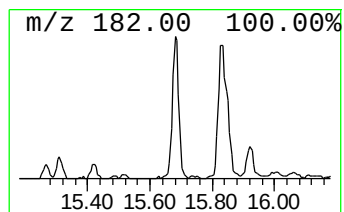
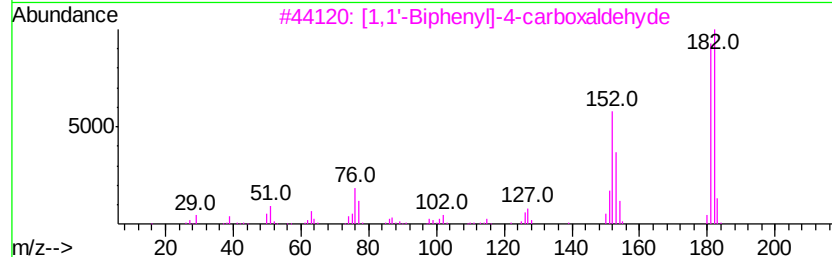
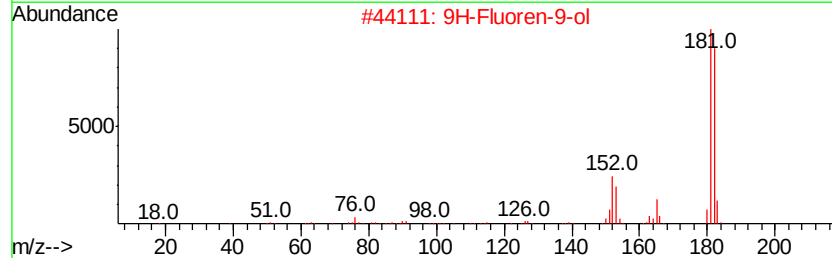
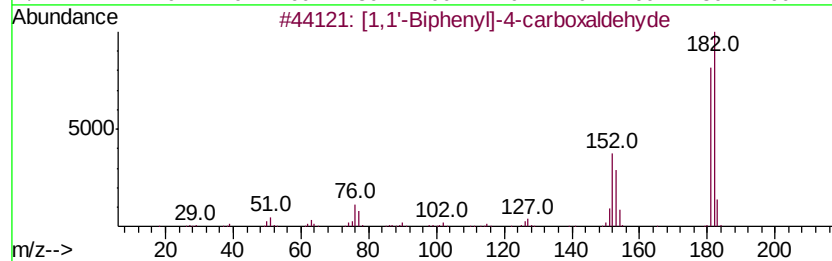
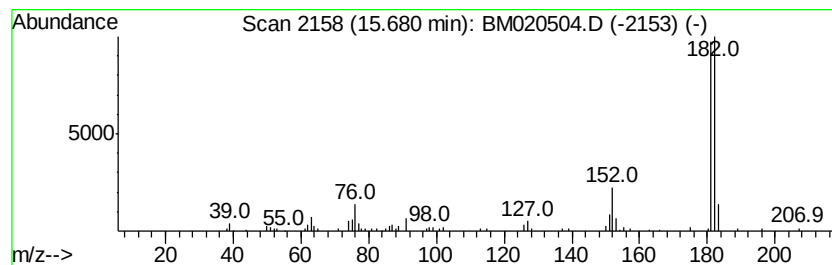
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	4.99 ng/ul	193459	Acenaphthene-d10	14.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
2		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4		Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
5		Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
Data File : BM020504.D
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Sample : K2927-03
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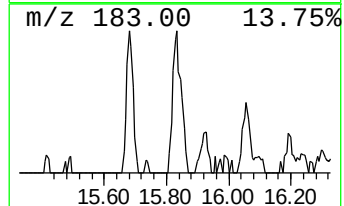
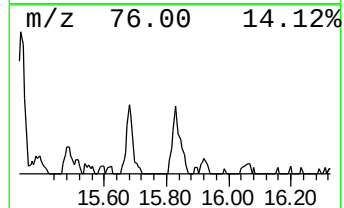
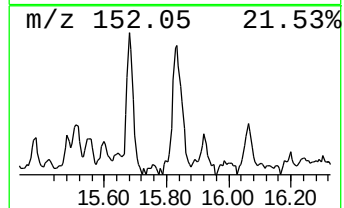
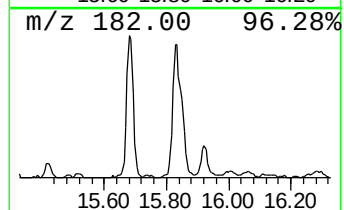
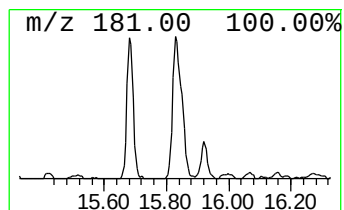
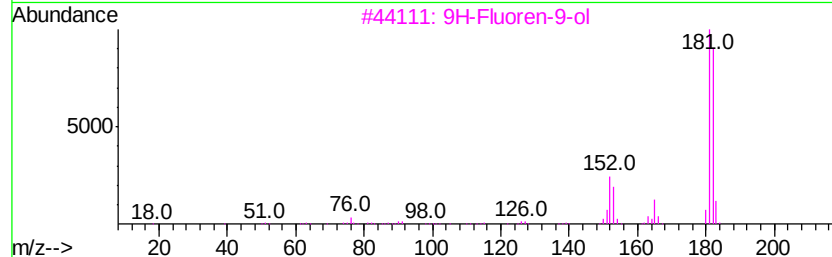
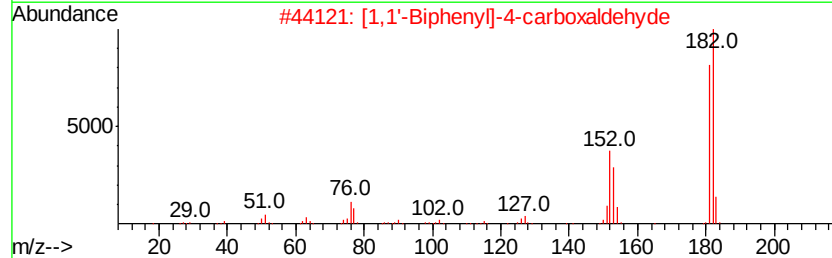
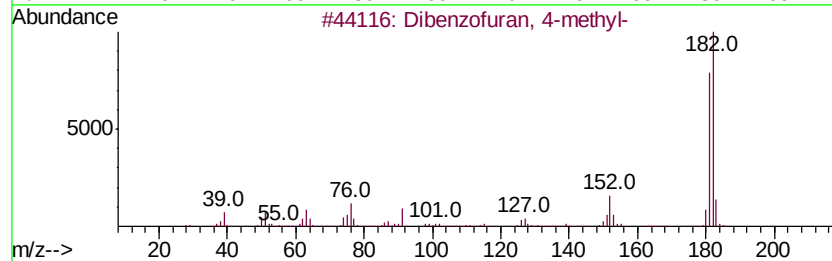
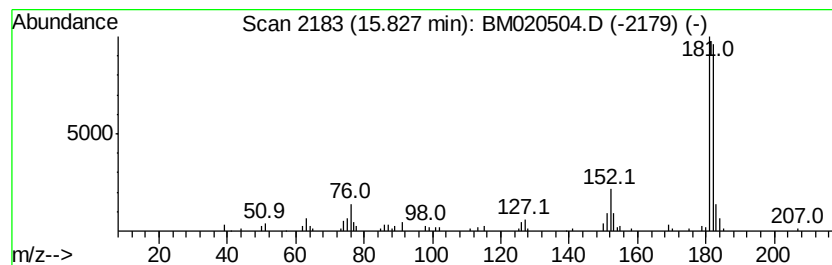
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Dibenzofuran, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.83	4.51 ng/ul	223160	Phenanthrene-d10	17.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	90
3		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
4		Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	59
5		2-Hydroxyfluorene	182	C13H10O	002443-58-5	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
Data File : BM020504.D
Acq On : 22 May 2019 22:48
Operator : JU/SJ
Sample : K2927-03
Misc :
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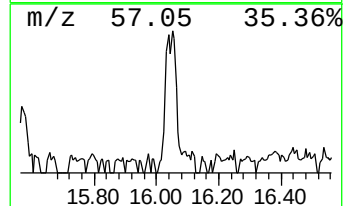
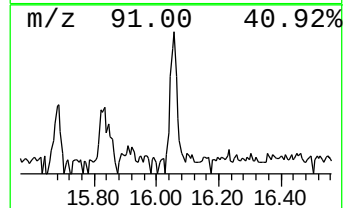
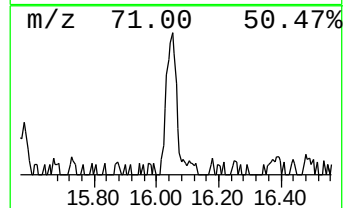
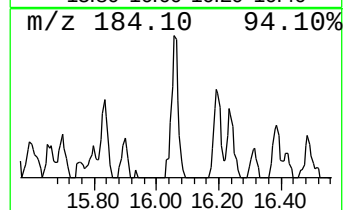
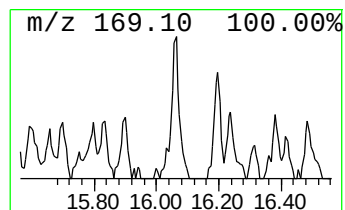
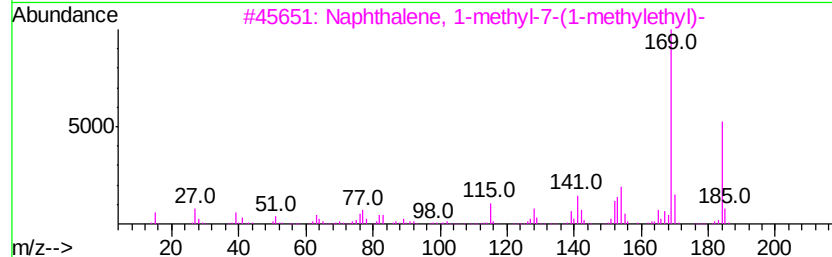
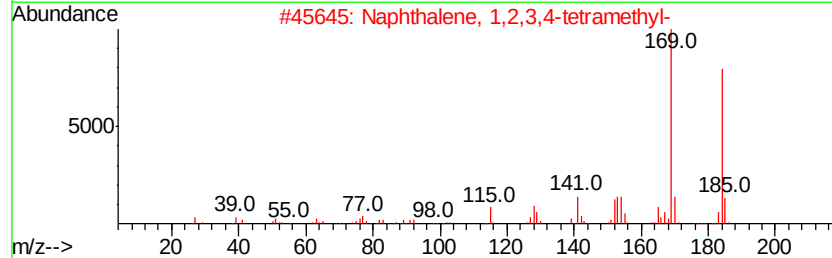
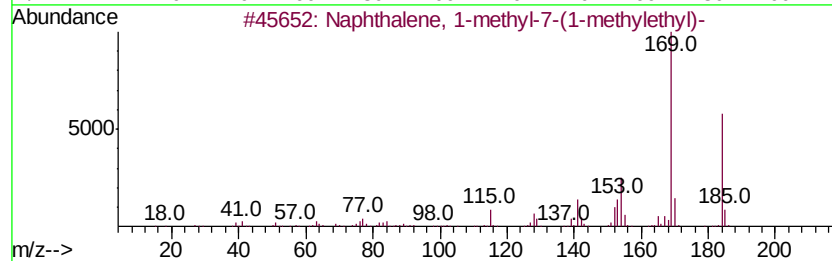
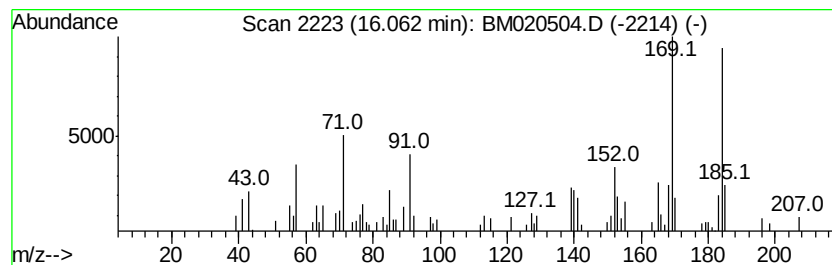
Instrument :
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 Naphthalene, 1-methyl-7-(1-... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.06	3.00 ng/ul	148635	Phenanthrene-d10	17.09		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1-methyl-7-(1-methyl-7-oxabicyclo[4.1.0]hept-2-en-2-yl)	184	C14H16	000490-65-3	60
2		Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	60
3		Naphthalene, 1-methyl-7-(1-methyl-7-oxabicyclo[4.1.0]hept-2-en-2-yl)	184	C14H16	000490-65-3	60
4		1-Acenaphthyleneol, 1,2-dihydro-1H-	184	C13H12O	041002-74-8	58
5		Benzene, (4,5,5-trimethyl-1,3-cyclohexadien-1-yl)-	184	C14H16	033930-85-7	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
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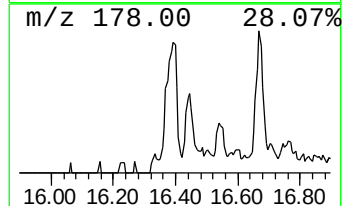
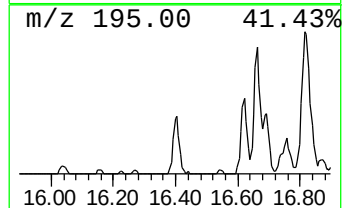
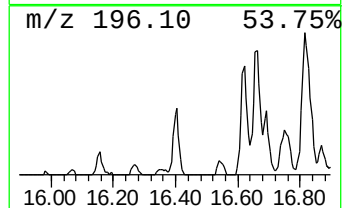
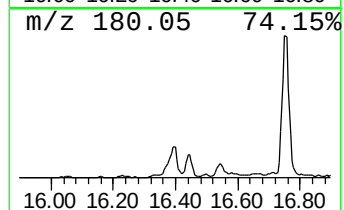
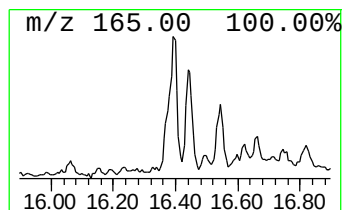
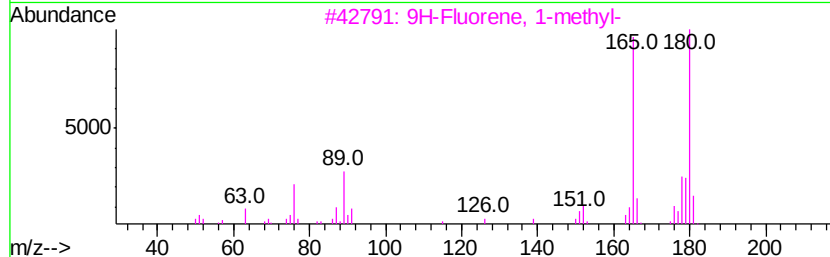
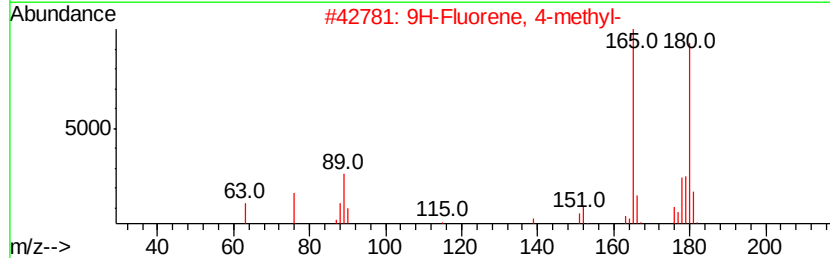
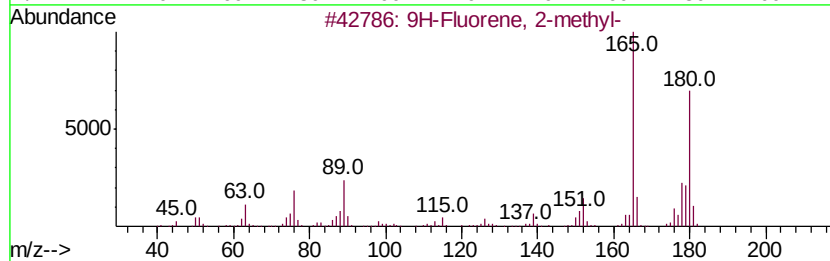
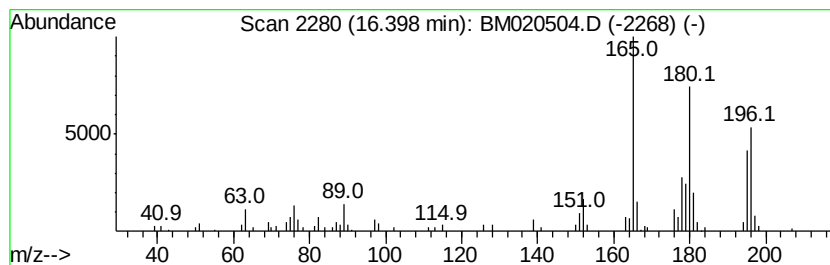
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 9H-Fluorene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	4.00 ng/ul	197923	Phenanthrene-d10	17.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	92
2		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	83
3		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	70
4		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	60
5		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	60



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
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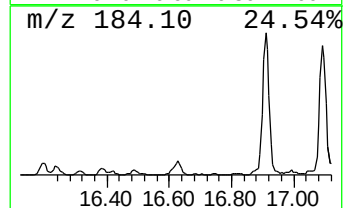
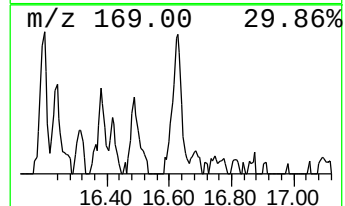
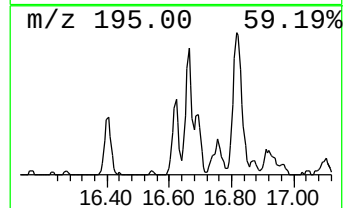
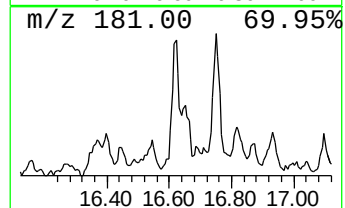
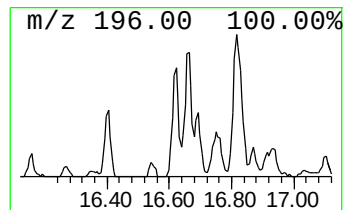
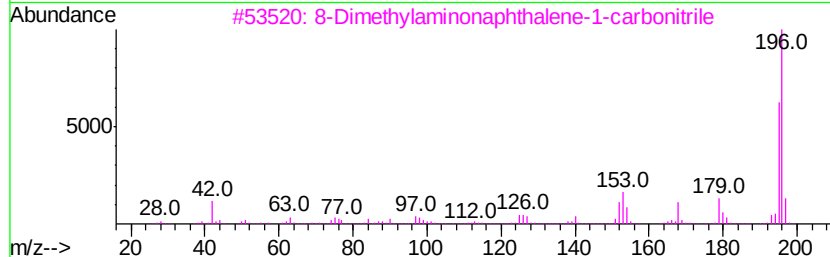
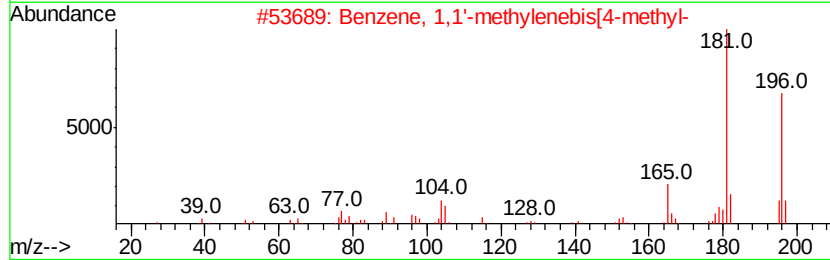
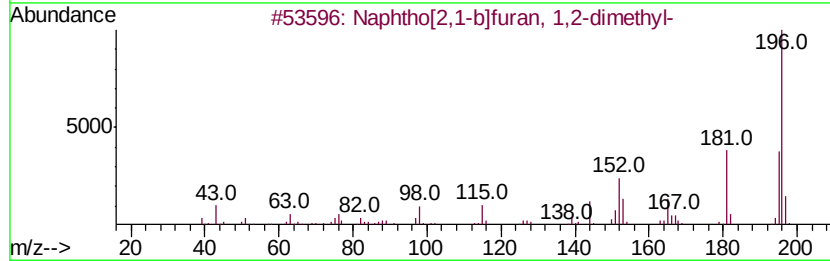
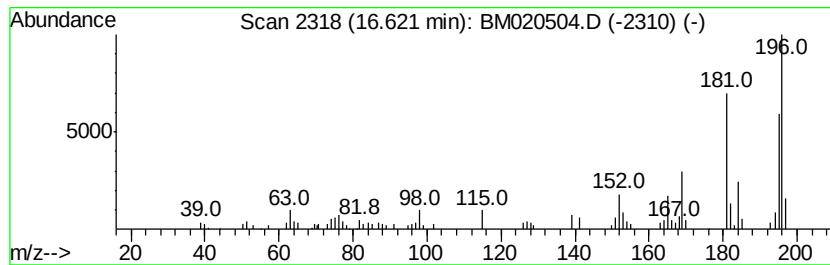
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 Naphtho[2,1-b]furan, 1,2-di... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.62	2.81 ng/ul	139144	Phenanthrene-d10	17.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	53
2		Benzene, 1,1'-methylenebis[4-met...	196	C15H16	004957-14-6	47
3		8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	46
4		Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	46
5		Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
Data File : BM020504.D
Acq On : 22 May 2019 22:48
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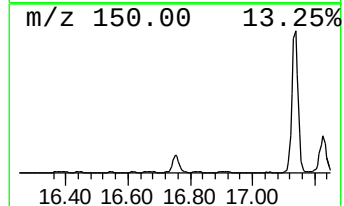
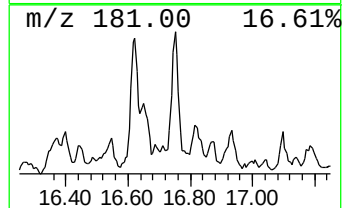
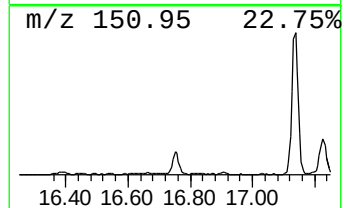
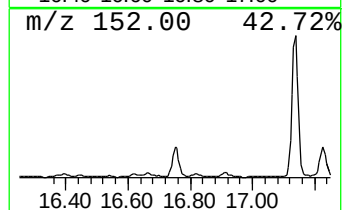
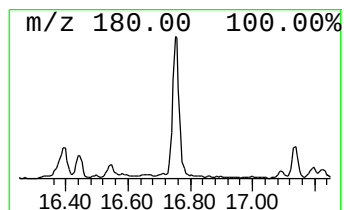
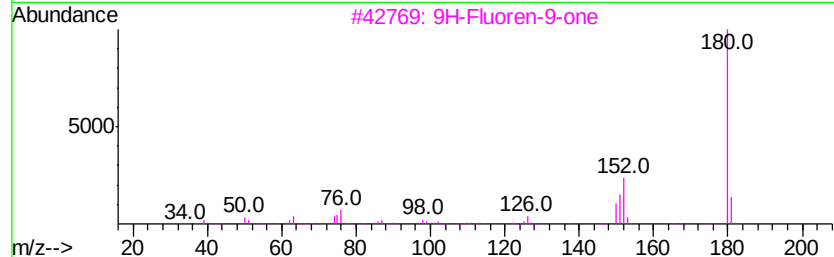
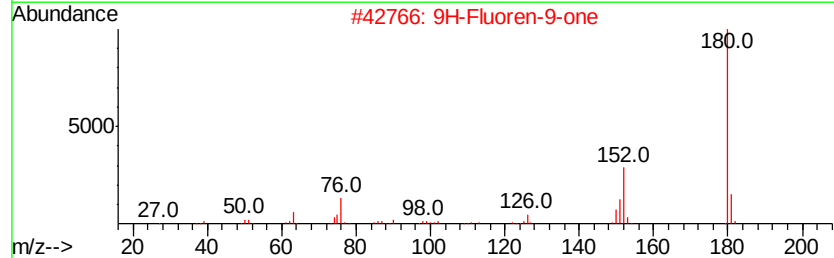
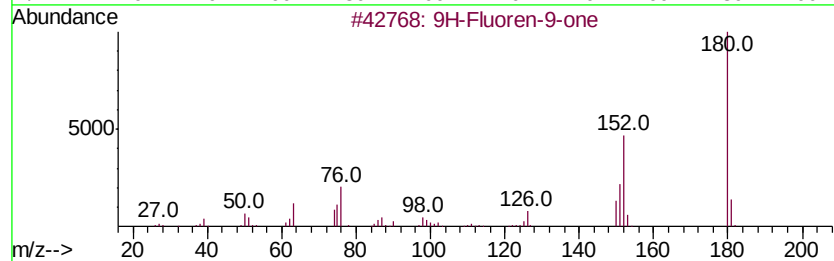
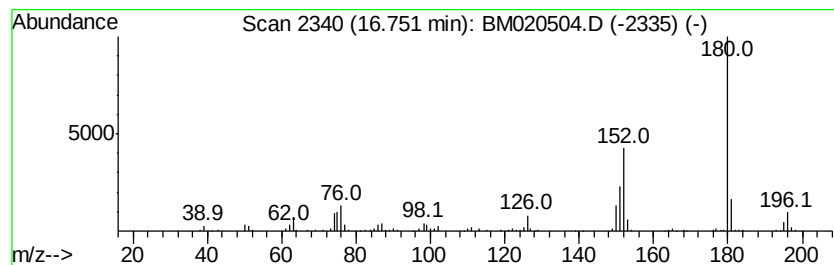
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 9H-Fluoren-9-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	5.56 ng/ul	275292	Phenanthrene-d10	17.09

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2			9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3			9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4			9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
5			1H-Phenalen-1-one	180	C13H8O	000548-39-0	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
Data File : BM020504.D
Acq On : 22 May 2019 22:48
Operator : JU/SJ
Sample : K2927-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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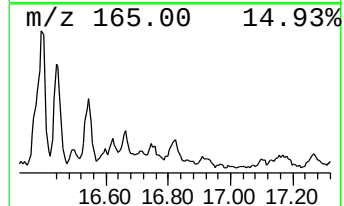
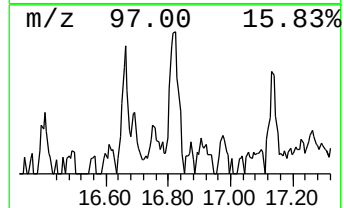
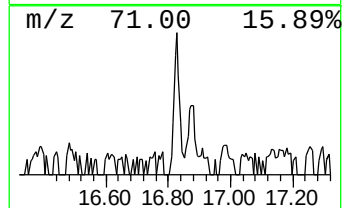
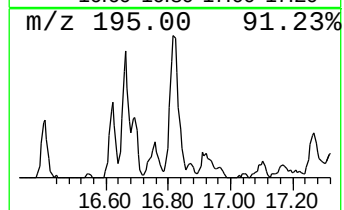
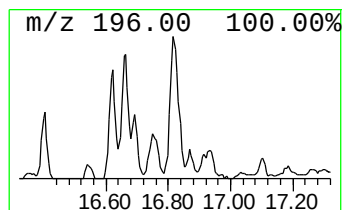
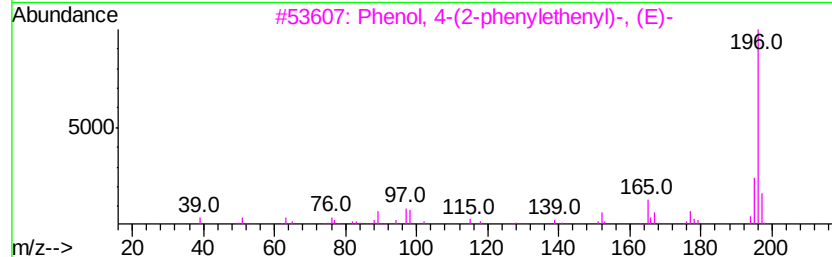
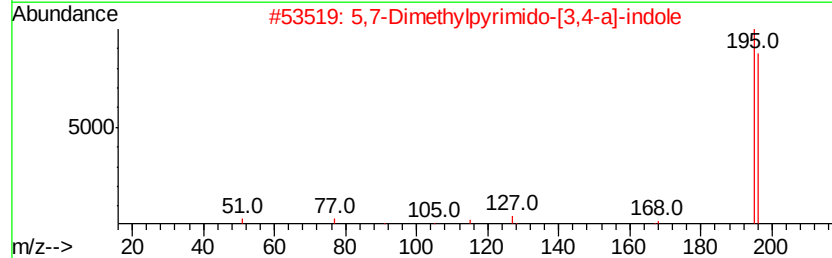
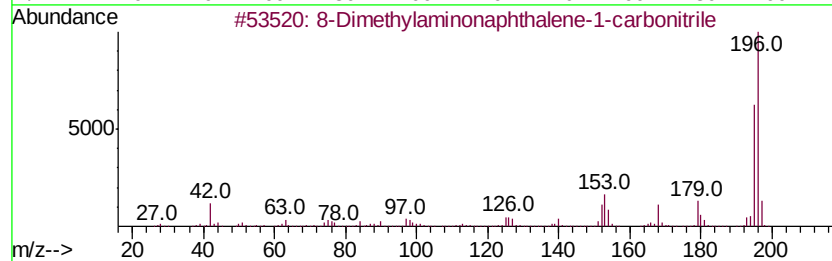
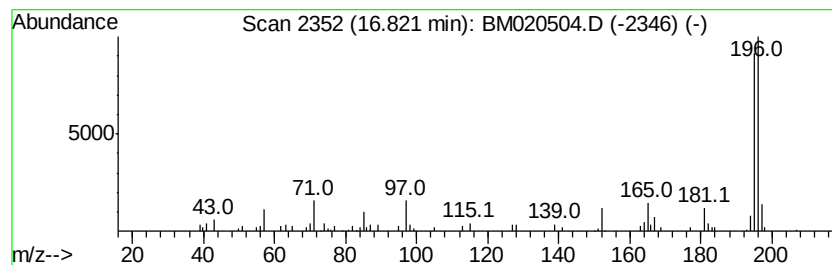
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 8-Dimethylaminonaphthalene-... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	2.86 ng/ul	141462	Phenanthrene-d10	17.09

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	64
2			5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	53
3			Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49
4			Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	47
5			9H-Fluorene-2,7-diamine	196	C13H12N2	000525-64-4	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
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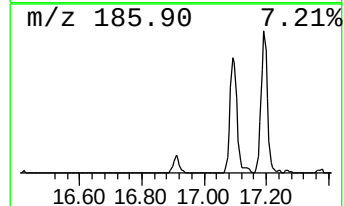
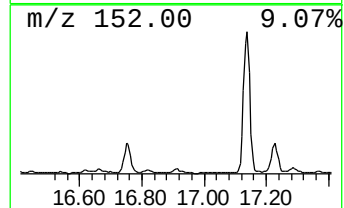
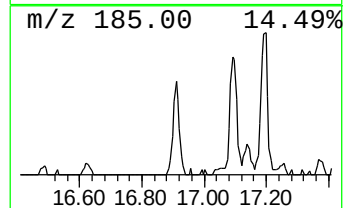
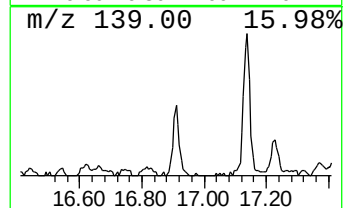
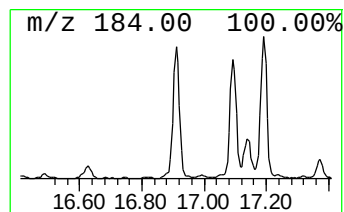
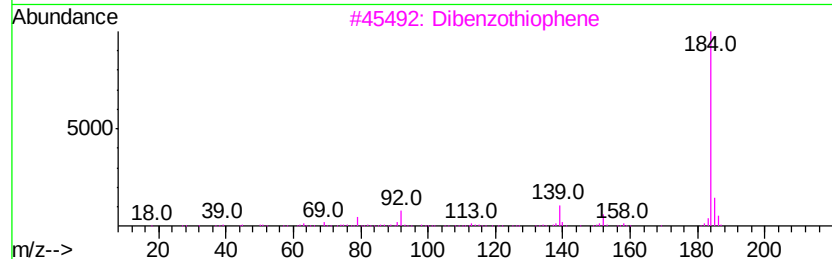
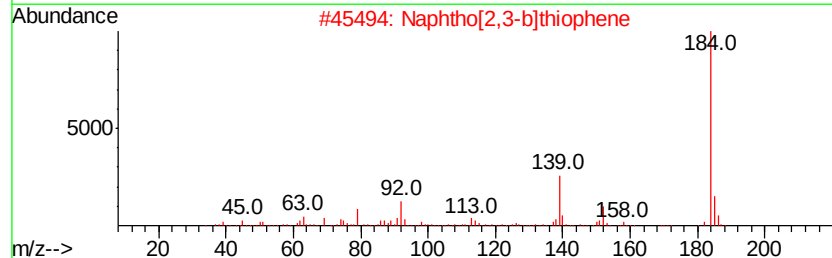
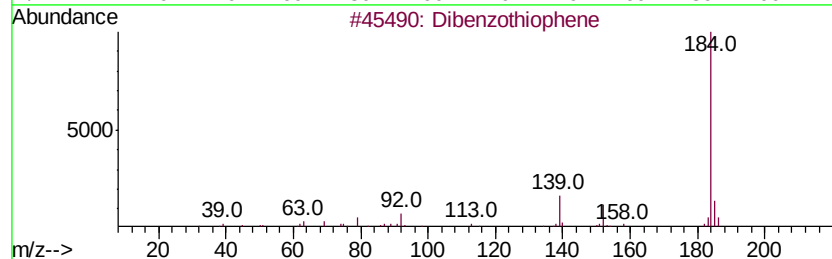
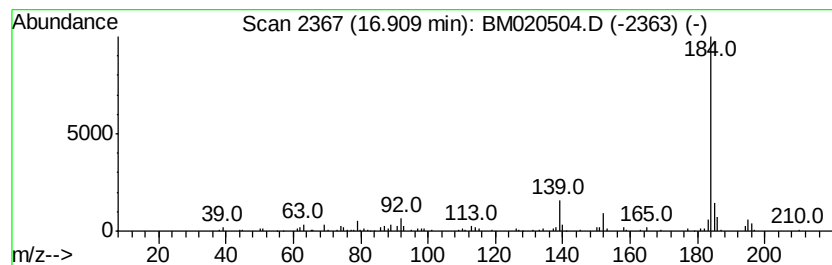
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.91	3.60 ng/ul	178237	Phenanthrene-d10	17.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	96
2		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
3		Dibenzothiophene	184	C12H8S	000132-65-0	93
4		Dibenzothiophene	184	C12H8S	000132-65-0	93
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
Data File : BM020504.D
Acq On : 22 May 2019 22:48
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Sample : K2927-03
Misc :
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Instrument :
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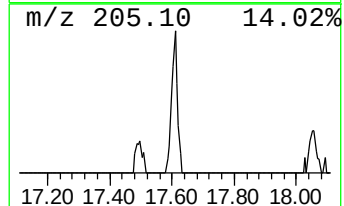
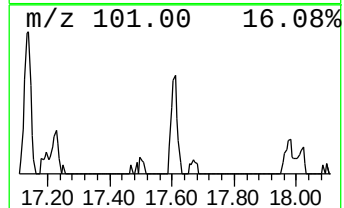
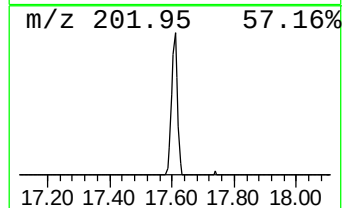
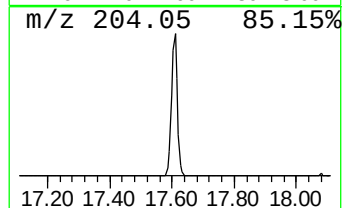
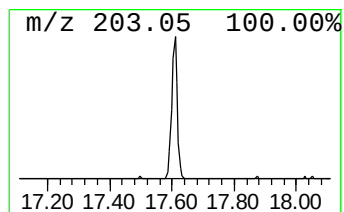
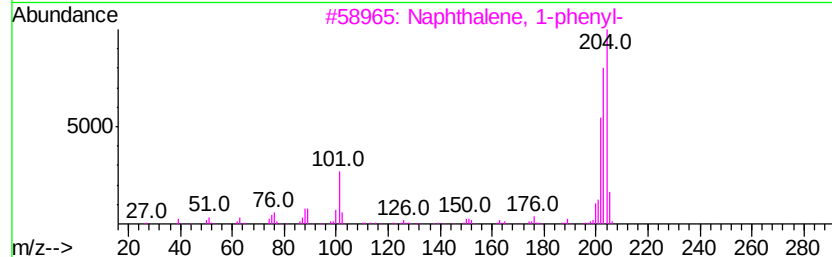
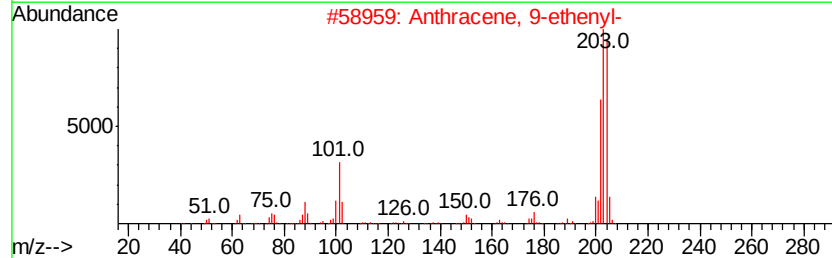
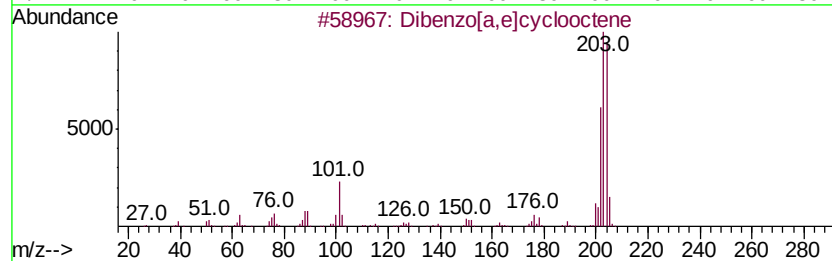
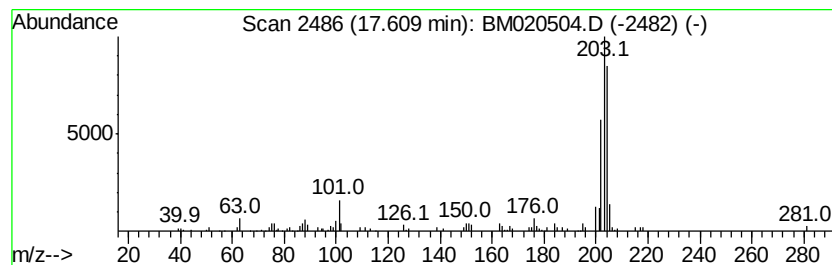
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 Dibenzo[a,e]cyclooctene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.61	2.41 ng/ul	119216	Phenanthrene-d10	17.09

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	95
2			Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	89
3			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	89
4			Cyclobuta[1'',2'':3,4;3'',4'':3'...	204	C16H12	006574-36-3	89
5			1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
Data File : BM020504.D
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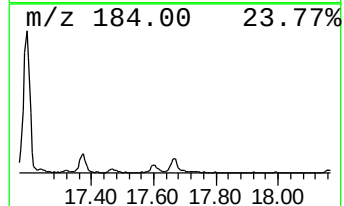
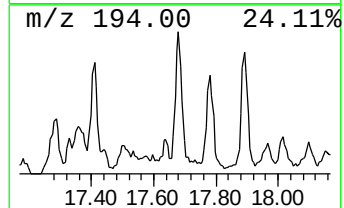
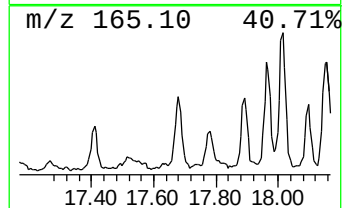
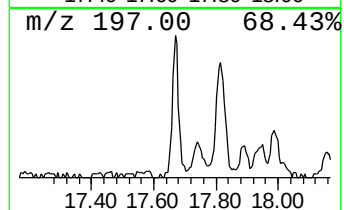
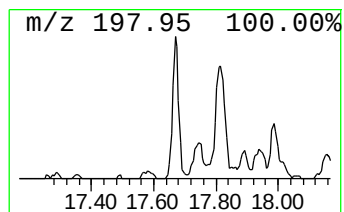
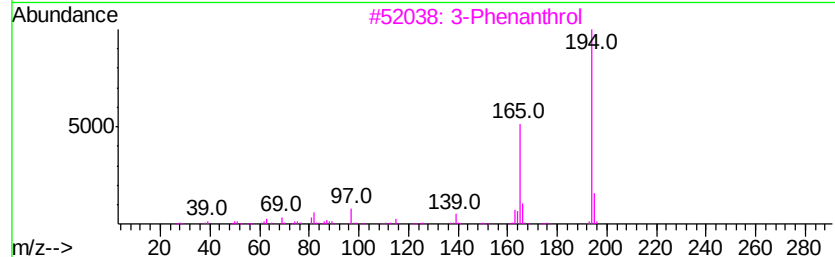
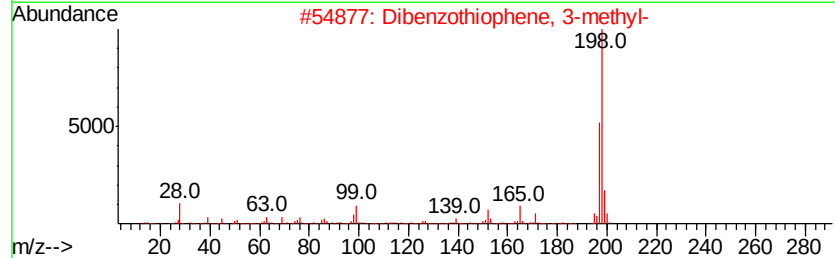
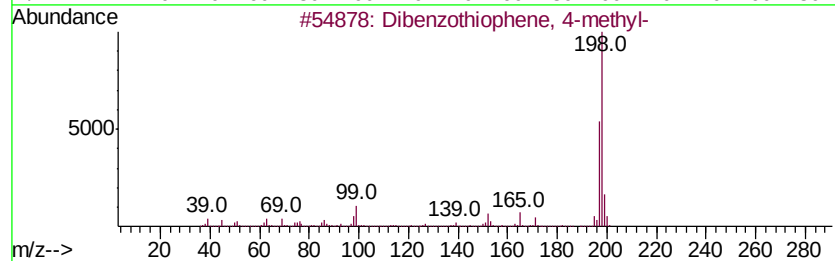
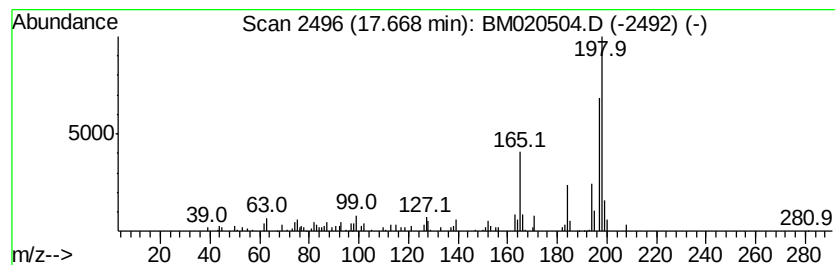
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.67	3.85 ng/ul	190580	Phenanthrene-d10	17.09

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	49
2			Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	43
3			3-Phenanthrol	194	C14H10O	000605-87-8	42
4			Anthrone	194	C14H10O	000090-44-8	42
5			1-Phenanthrenol	194	C14H10O	002433-56-9	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
Data File : BM020504.D
Acq On : 22 May 2019 22:48
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Sample : K2927-03
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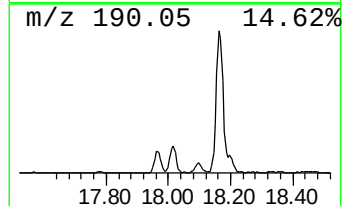
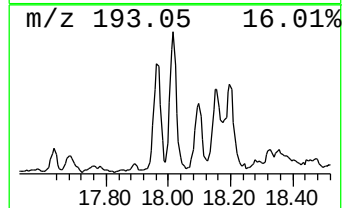
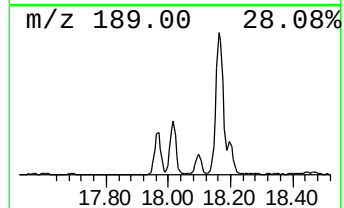
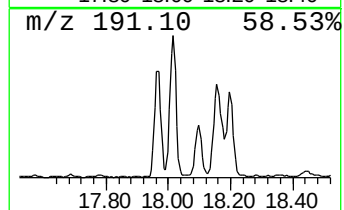
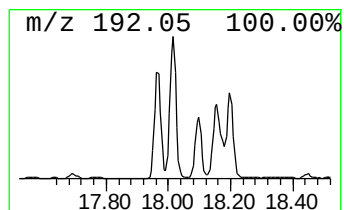
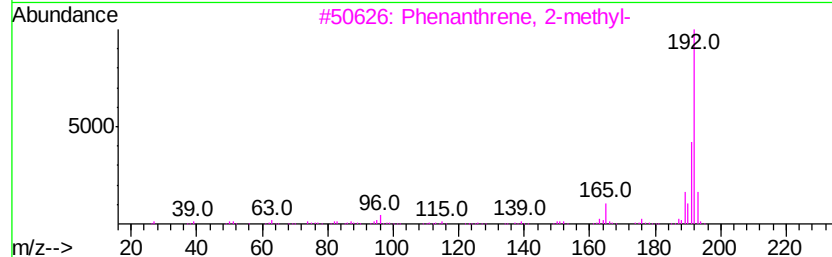
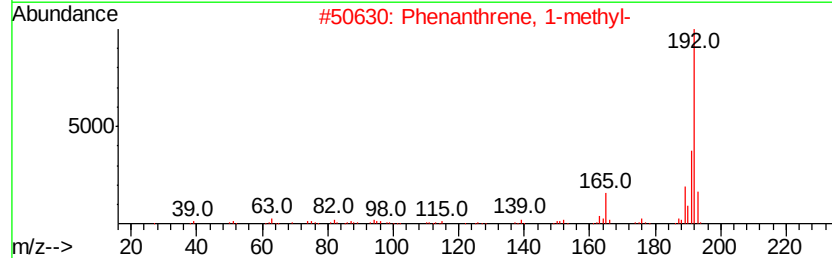
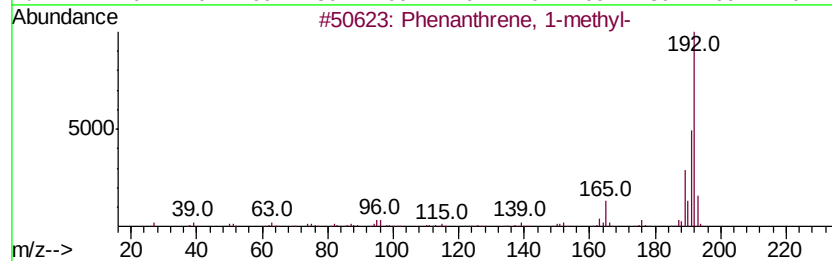
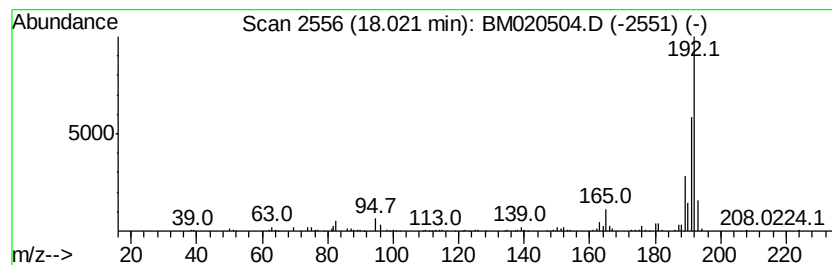
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	15.20 ng/ul	752945	Phenanthrene-d10	17.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
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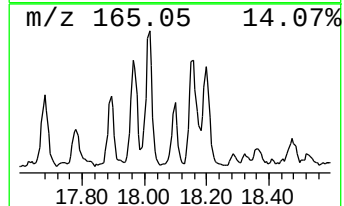
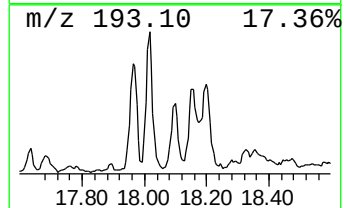
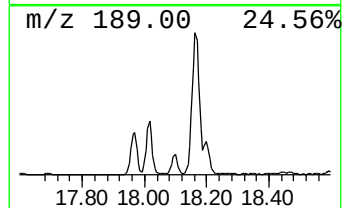
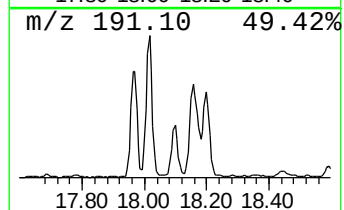
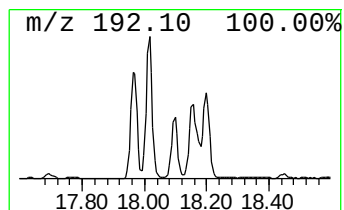
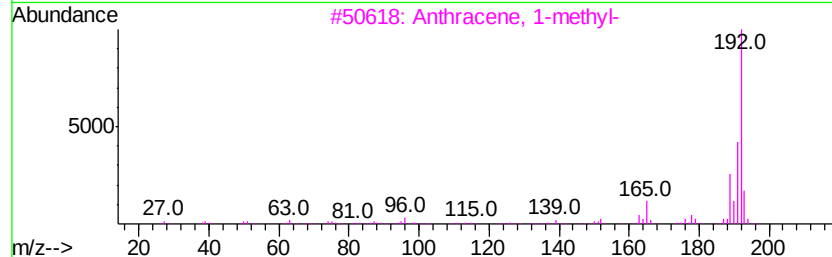
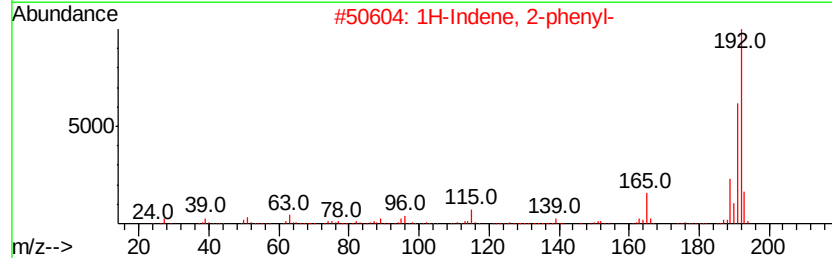
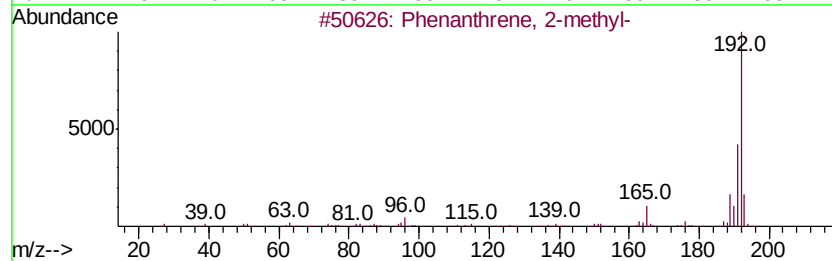
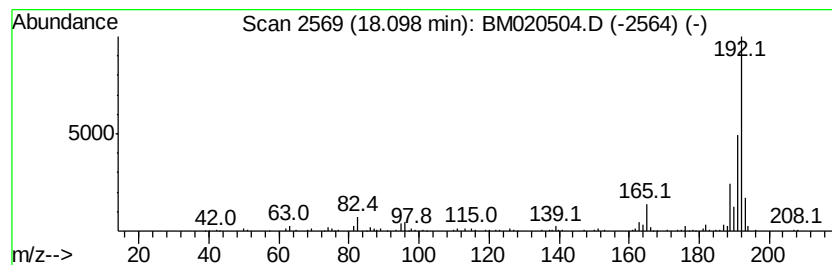
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	5.82 ng/ul	288267	Phenanthrene-d10	17.09

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
3			Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
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Acq On : 22 May 2019 22:48
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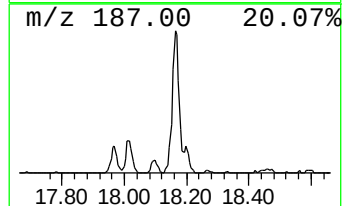
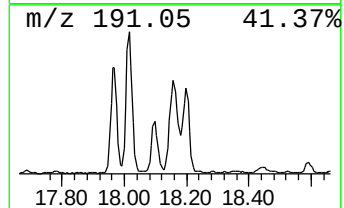
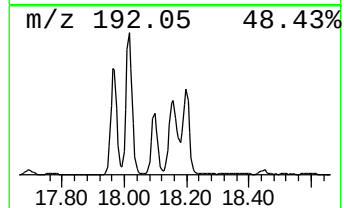
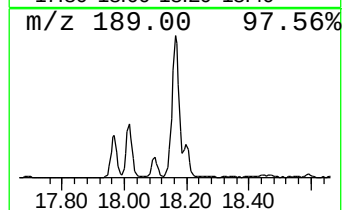
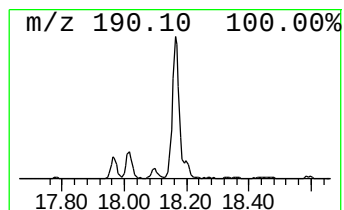
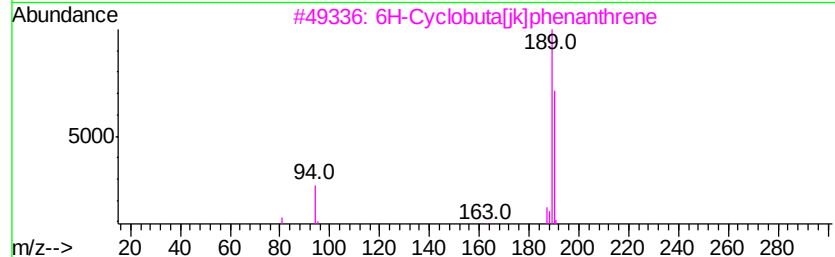
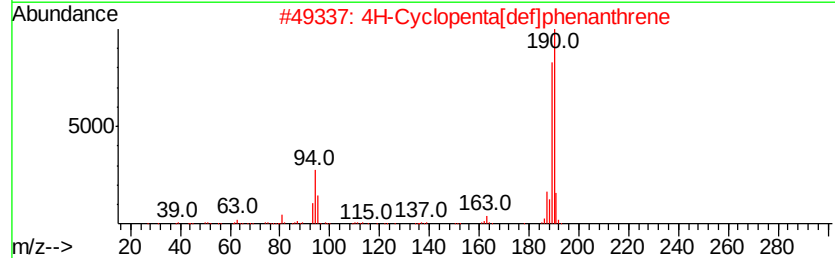
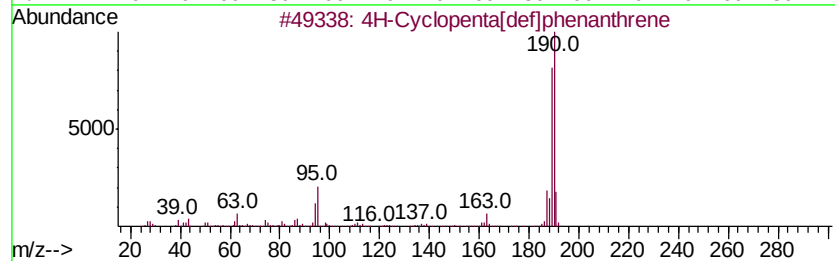
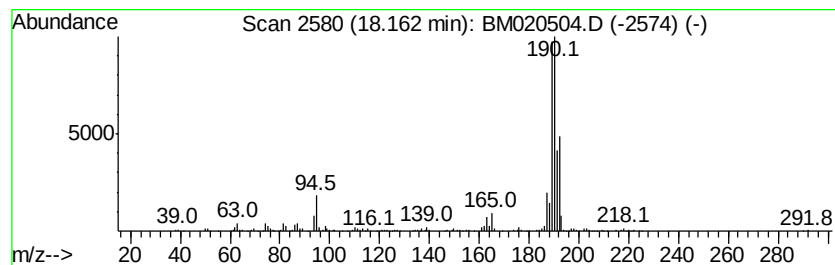
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.16	22.53 ng/ul	1116070	Phenanthrene-d10	17.09		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	53
4		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
5		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
Data File : BM020504.D
Acq On : 22 May 2019 22:48
Operator : JU/SJ
Sample : K2927-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

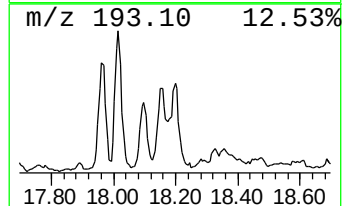
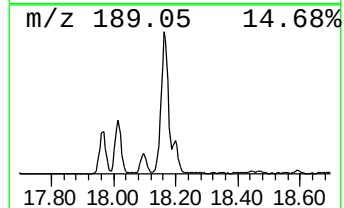
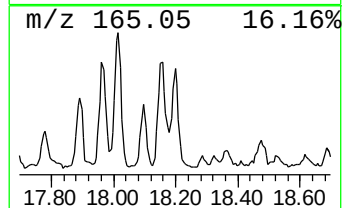
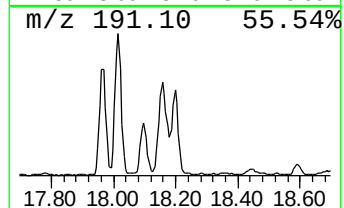
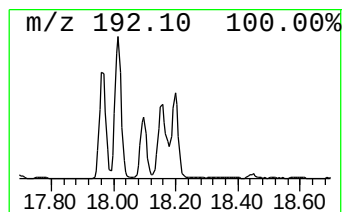
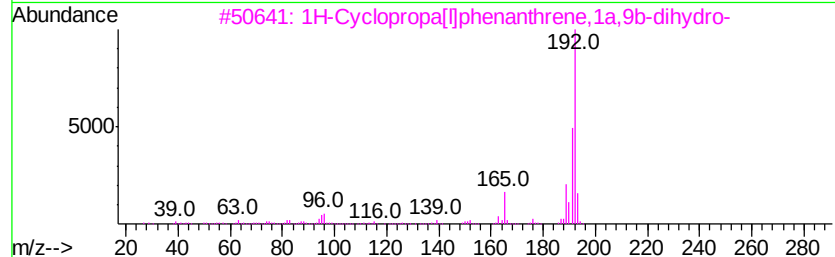
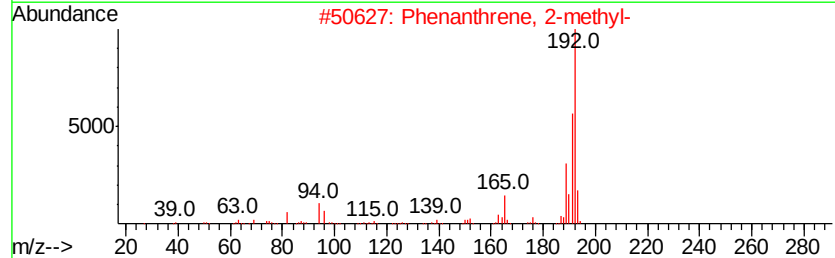
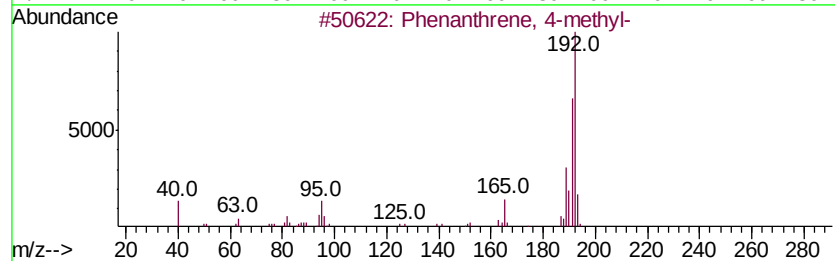
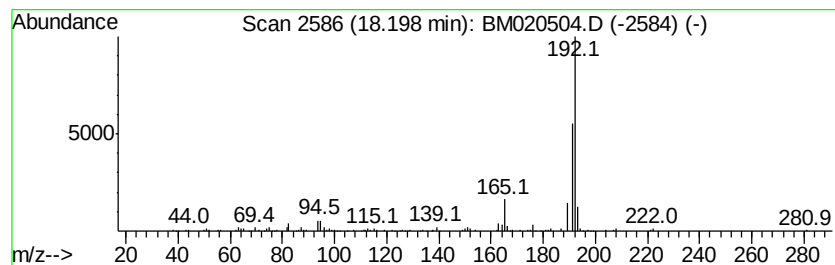
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 20 Phenanthrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.20	8.00 ng/ul	396397	Phenanthrene-d10	17.09		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	87
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
Data File : BM020504.D
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Sample : K2927-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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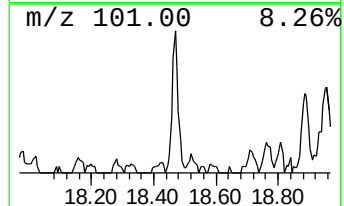
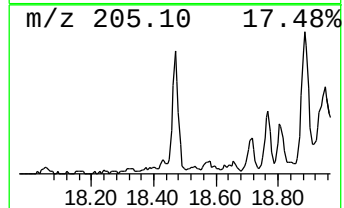
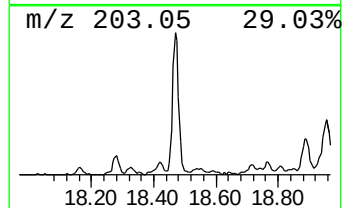
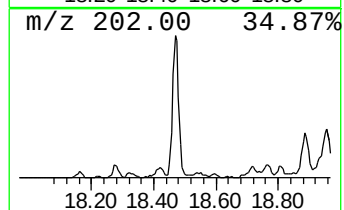
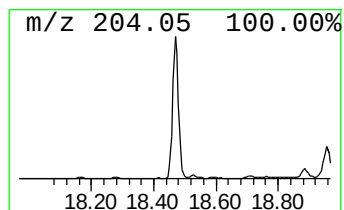
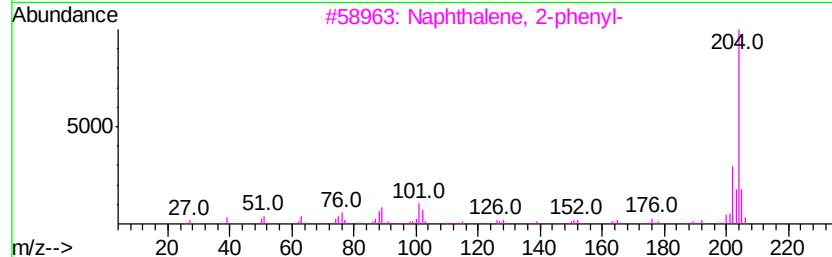
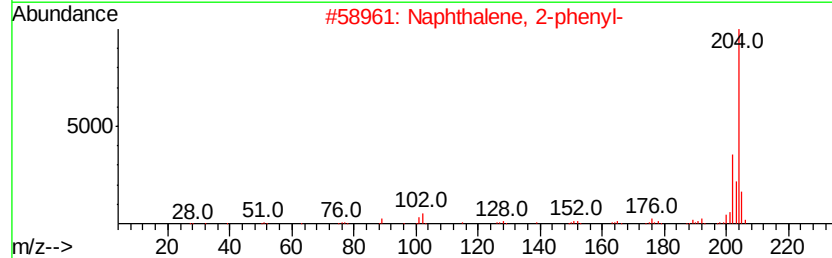
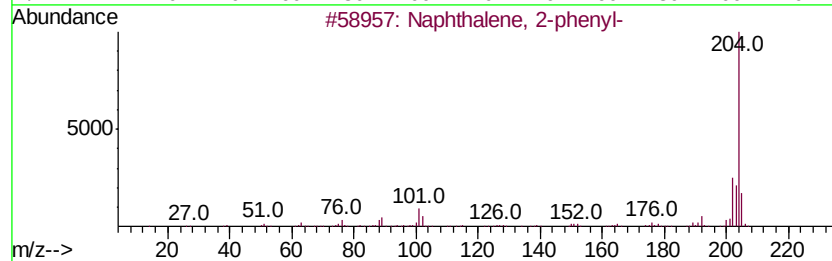
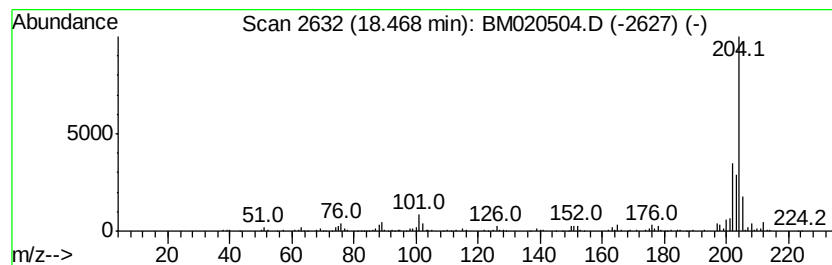
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	7.69 ng/ul	381036	Phenanthrene-d10	17.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4		2-Phenylnaphthalene	204	C16H12	035465-71-5	70
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
Data File : BM020504.D
Acq On : 22 May 2019 22:48
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Sample : K2927-03
Misc :
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Instrument :
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ClientSampleId :
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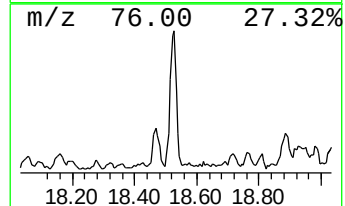
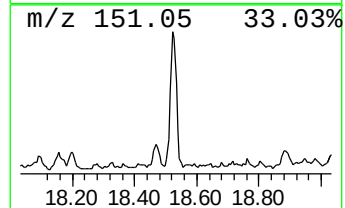
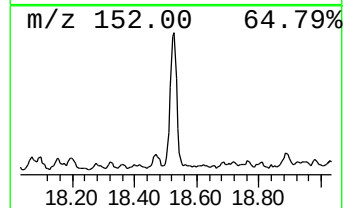
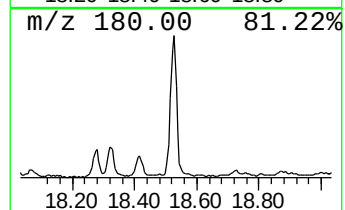
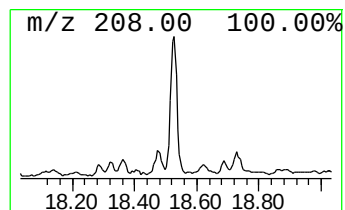
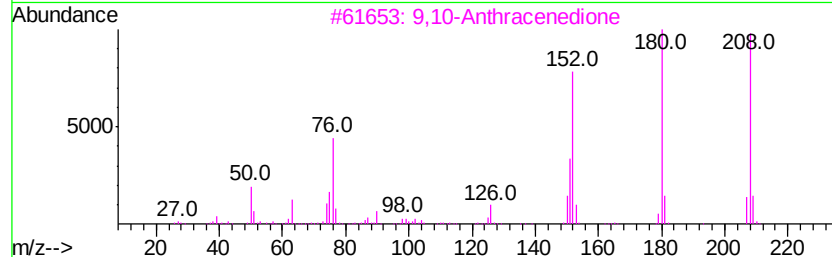
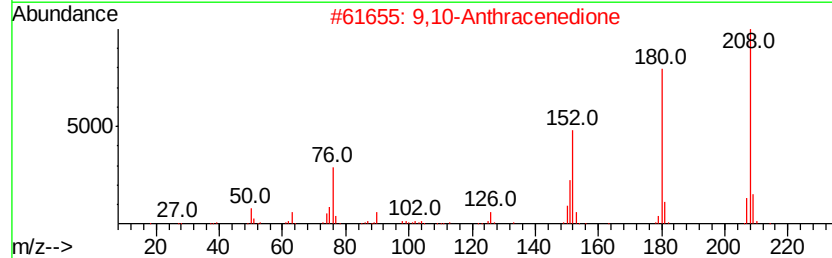
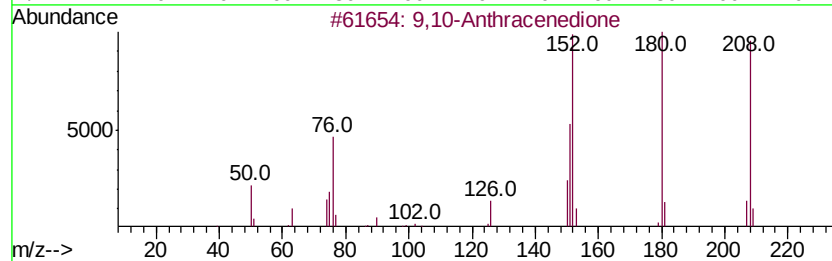
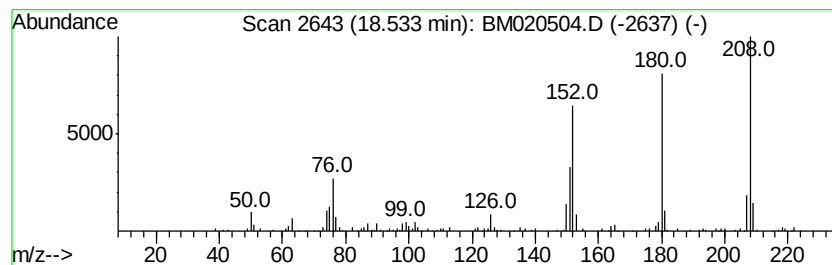
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	5.65 ng/ul	279883	Phenanthrene-d10	17.09

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
Data File : BM020504.D
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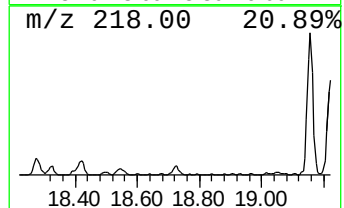
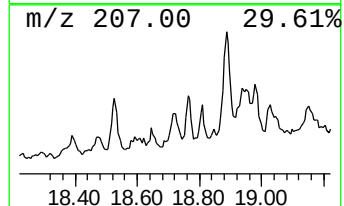
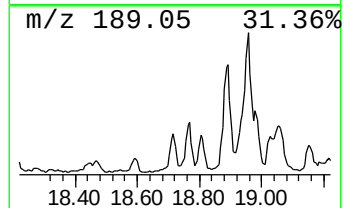
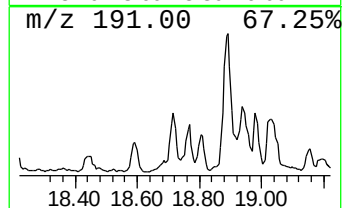
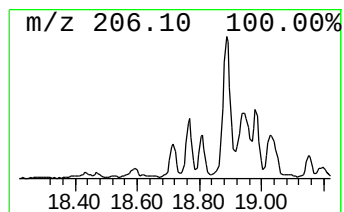
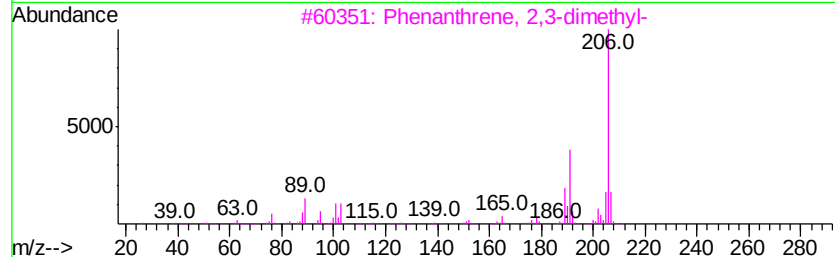
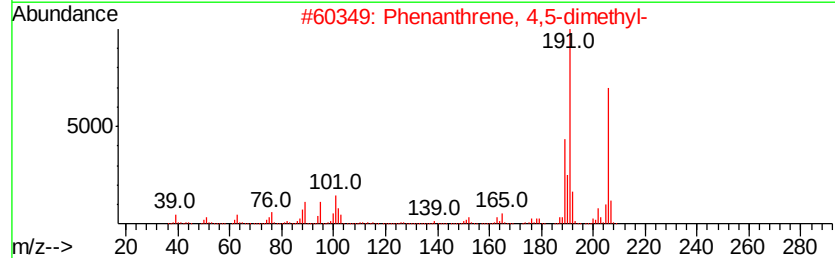
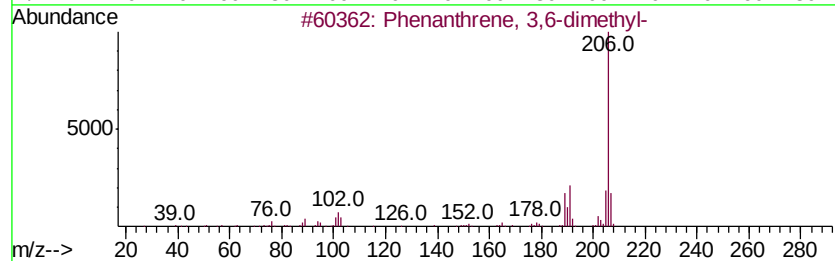
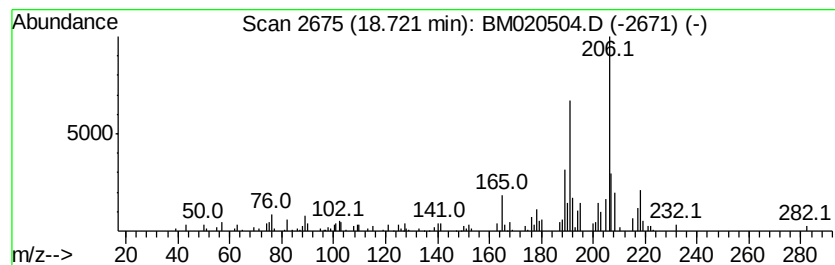
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 Phenanthrene, 3,6-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	2.64 ng/ul	130833	Phenanthrene-d10	17.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
2		Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
5		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
Data File : BM020504.D
Acq On : 22 May 2019 22:48
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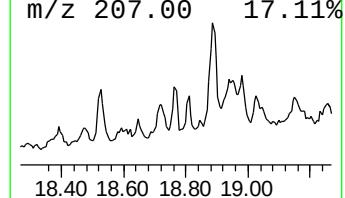
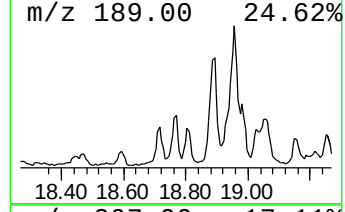
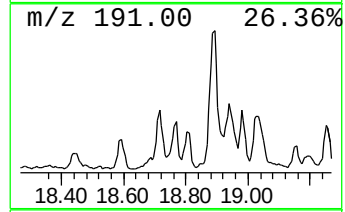
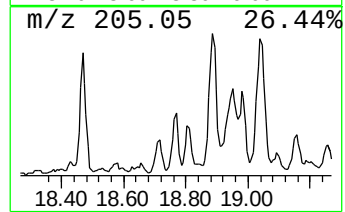
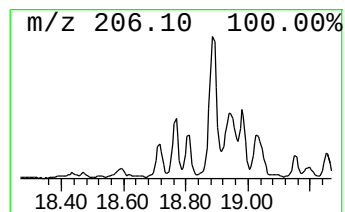
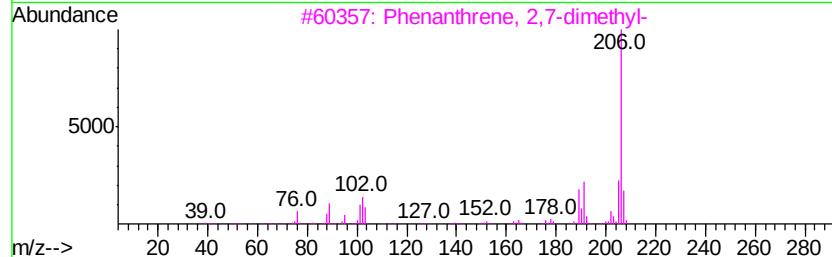
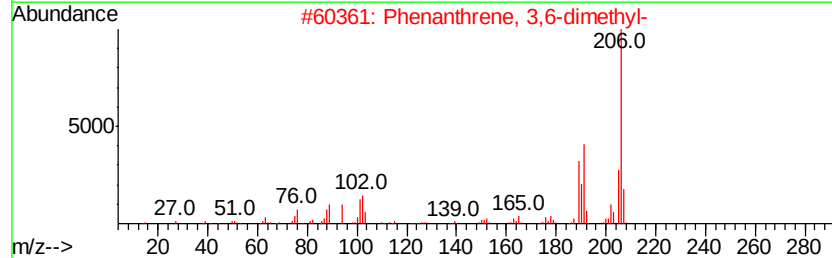
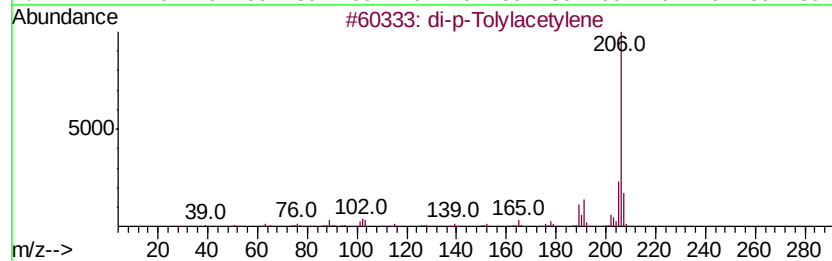
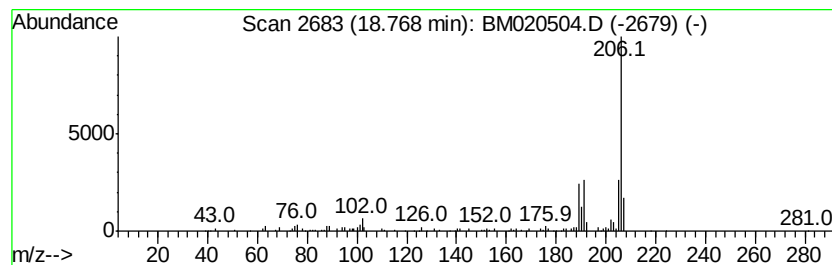
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 di-p-Tolylacetylene Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	2.39 ng/ul	118529	Phenanthrene-d10	17.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
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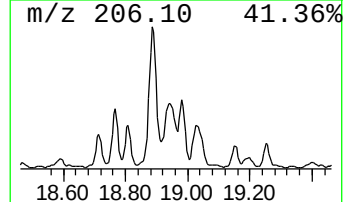
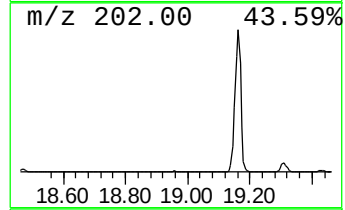
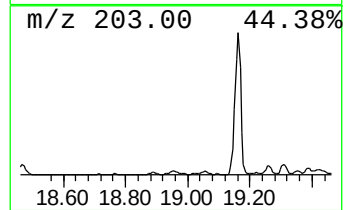
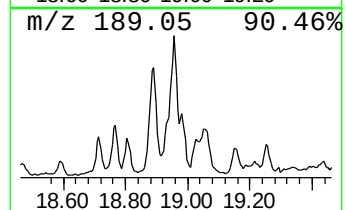
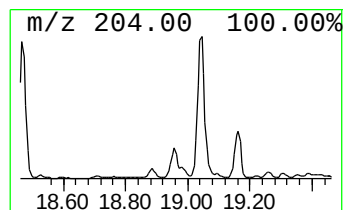
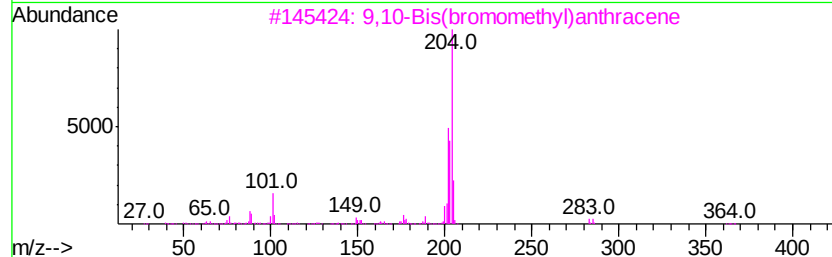
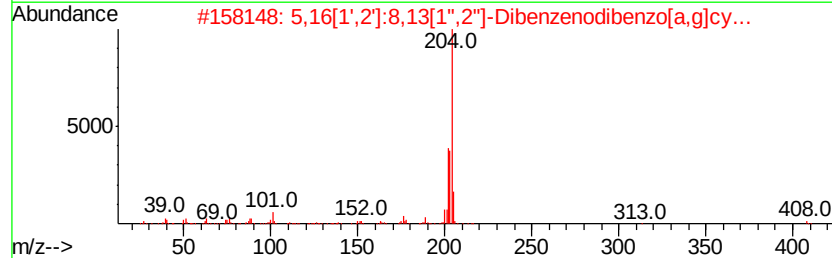
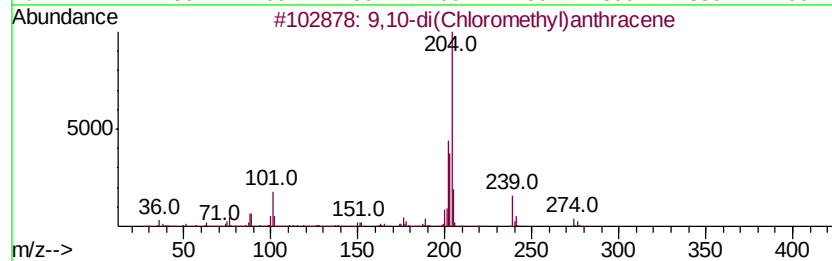
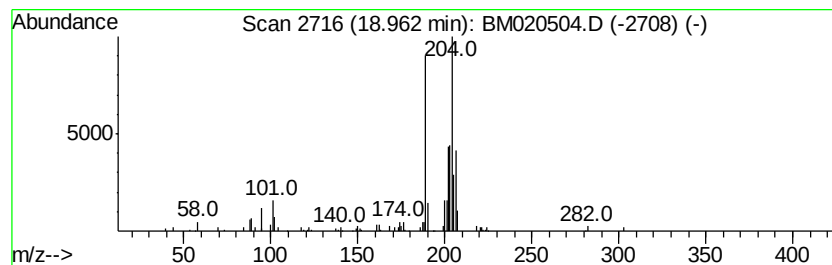
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Quant Title : SVOA CALIBRATION

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

Peak Number 27 unknown-02 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	5.85 ng/ul	290019	Phenanthrene-d10	17.09

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	46
2			5,16[1',2'] : 8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	43
3			9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
4			Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	42
5			2-Phenylnaphthalene	204	C16H12	035465-71-5	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
Data File : BM020504.D
Acq On : 22 May 2019 22:48
Operator : JU/SJ
Sample : K2927-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampled :
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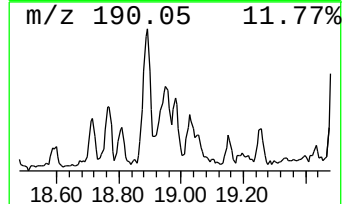
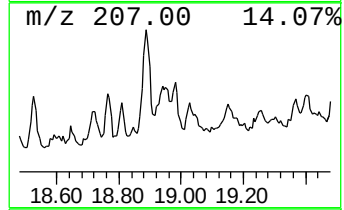
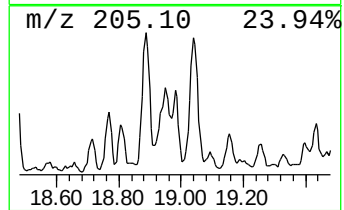
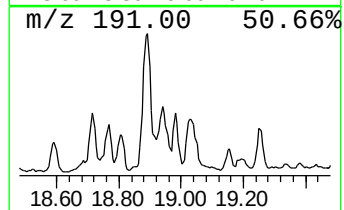
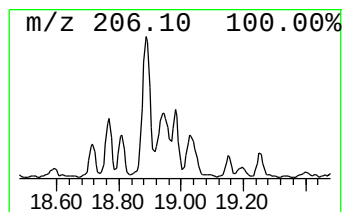
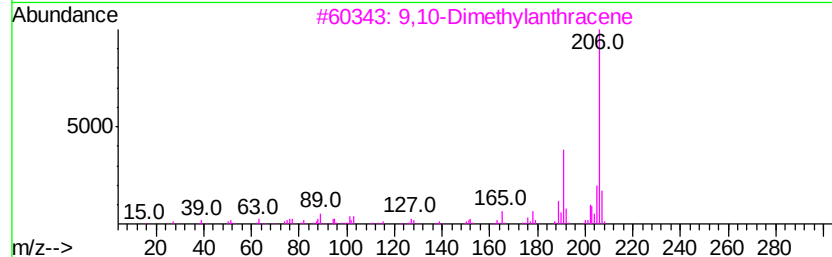
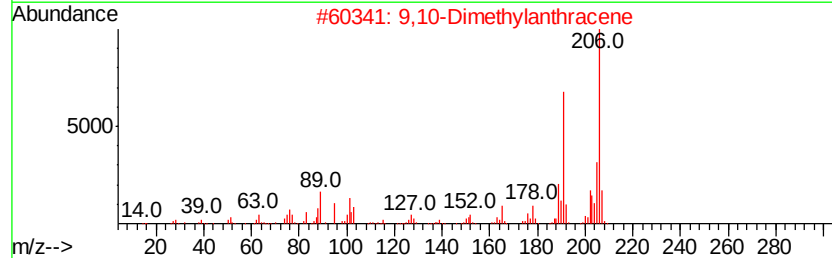
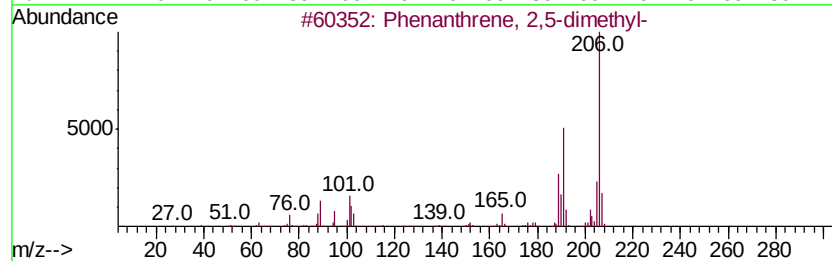
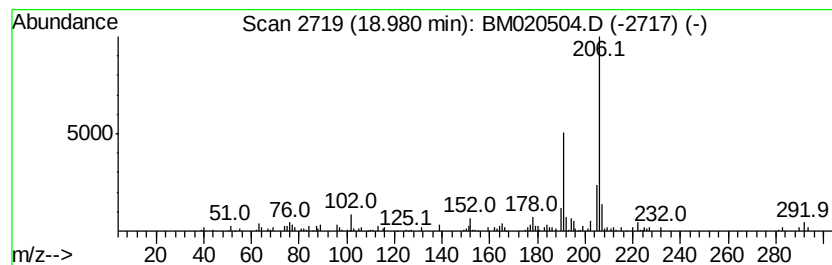
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 Phenanthrene, 2,5-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.98	2.73 ng/ul	135040	Phenanthrene-d10	17.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	90
3		9,10-Dimethylantracene	206	C16H14	000781-43-1	86
4		1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	83
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
Data File : BM020504.D
Acq On : 22 May 2019 22:48
Operator : JU/SJ
Sample : K2927-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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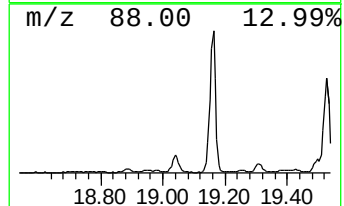
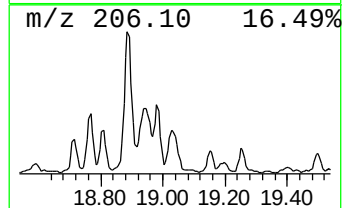
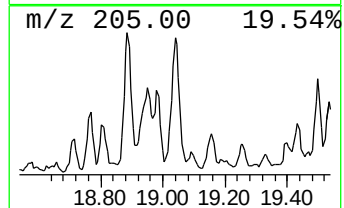
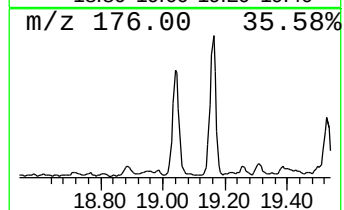
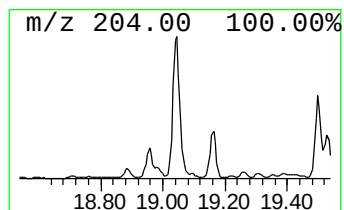
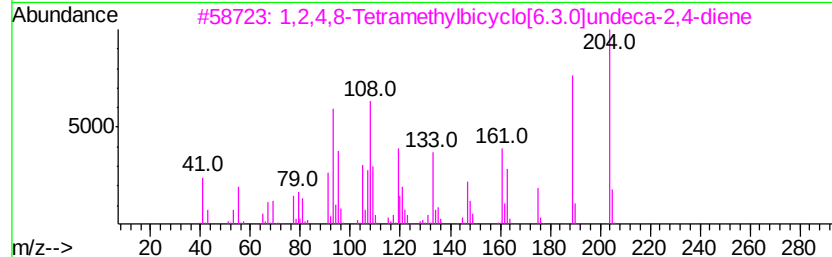
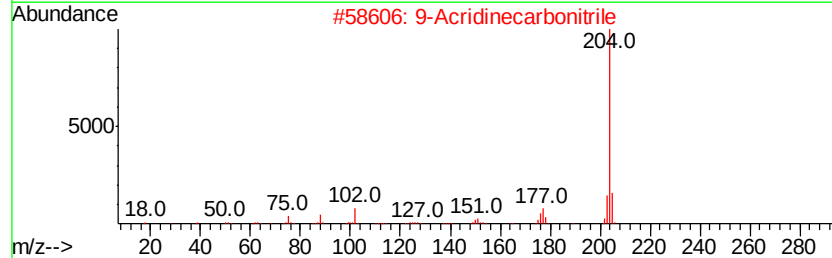
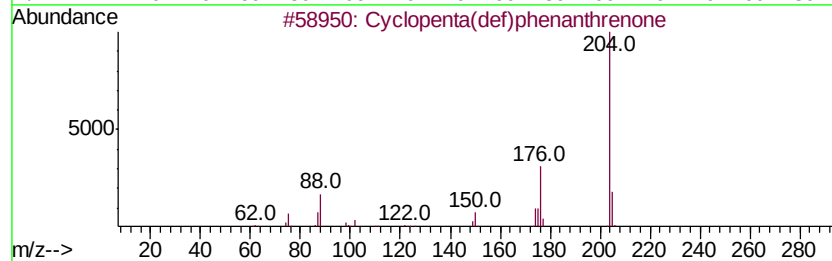
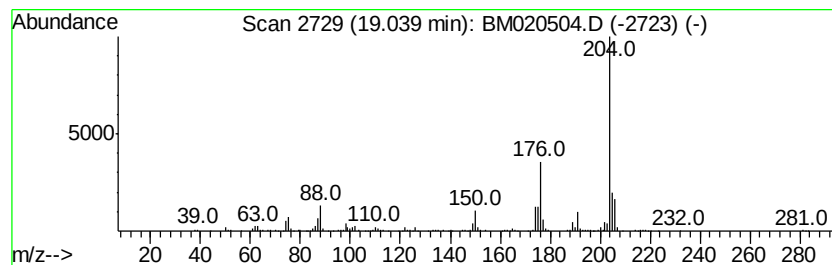
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Quant Title : SVOA CALIBRATION

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

Peak Number 29 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	11.64 ng/ul	576567	Phenanthrene-d10	17.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2		9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	53
3		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	49
4		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5		Benzo[1,2-b:4,3-b']dithiophene, ...	204	C11H8S2	013640-86-3	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052219\
 Data File : BM020504.D
 Acq On : 22 May 2019 22:48
 Operator : JU/SJ
 Sample : K2927-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4294

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Naphthalene, 2,6-...	13.51	2.1	ng/ul	82971	3	14.34	775105	20.0
Naphthalene, 2,3-...	13.65	3.6	ng/ul	138640	3	14.34	775105	20.0
Naphthalene, 1,4,...	14.95	2.4	ng/ul	93352	3	14.34	775105	20.0
Naphthalene, 1,6,...	15.13	2.3	ng/ul	88486	3	14.34	775105	20.0
[1,1'-Biphenyl]-4...	15.68	5.0	ng/ul	193459	3	14.34	775105	20.0
Dibenzofuran, 4-m...	15.83	4.5	ng/ul	223160	4	17.09	990717	20.0
Naphthalene, 1-me...	16.06	3.0	ng/ul	148635	4	17.09	990717	20.0
9H-Fluorene, 2-me...	16.40	4.0	ng/ul	197923	4	17.09	990717	20.0
Naphtho[2,1-b]fur...	16.62	2.8	ng/ul	139144	4	17.09	990717	20.0
9H-Fluoren-9-one	16.75	5.6	ng/ul	275292	4	17.09	990717	20.0
8-Dimethylaminona...	16.82	2.9	ng/ul	141462	4	17.09	990717	20.0
Dibenzothiophene	16.91	3.6	ng/ul	178237	4	17.09	990717	20.0
Dibenzo[a,e]cyclo...	17.61	2.4	ng/ul	119216	4	17.09	990717	20.0
unknown-01	17.67	3.9	ng/ul	190580	4	17.09	990717	20.0
Phenanthrene, 1-m...	18.02	15.2	ng/ul	752945	4	17.09	990717	20.0
Phenanthrene, 2-m...	18.10	5.8	ng/ul	288267	4	17.09	990717	20.0
4H-Cyclopenta[def...	18.16	22.5	ng/ul	1116070	4	17.09	990717	20.0
Phenanthrene, 4-m...	18.20	8.0	ng/ul	396397	4	17.09	990717	20.0
Naphthalene, 2-ph...	18.47	7.7	ng/ul	381036	4	17.09	990717	20.0
9,10-Anthracenedione	18.53	5.7	ng/ul	279883	4	17.09	990717	20.0
Phenanthrene, 3,6...	18.72	2.6	ng/ul	130833	4	17.09	990717	20.0
di-p-Tolylacetylene	18.77	2.4	ng/ul	118529	4	17.09	990717	20.0
unknown-02	18.96	5.8	ng/ul	290019	4	17.09	990717	20.0
Phenanthrene, 2,5...	18.98	2.7	ng/ul	135040	4	17.09	990717	20.0
Cyclopenta(def)ph...	19.04	11.6	ng/ul	576567	4	17.09	990717	20.0