

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
 Data File : BM014404.D
 Acq On : 28 Feb 2018 15:12
 Operator : SJ/JU
 Sample : J1646-22
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE600

Integration Parameters: LSCINT.P

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

Filtering: 5
 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.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	4.675	283	287	289	rBV	49191	65914	1.19%	0.105%
2	4.698	289	291	298	rVB3	45993	68004	1.23%	0.108%
3	6.722	630	635	651	rVB	282563	575380	10.40%	0.916%
4	6.869	654	660	668	rBV	259100	426291	7.71%	0.679%
5	7.063	686	693	699	rBV	372091	618511	11.18%	0.985%
6	7.516	762	770	782	rBV	416185	725676	13.12%	1.156%
7	8.245	887	894	906	rBV2	317839	630559	11.40%	1.004%
8	8.681	961	968	982	rBV	353791	645187	11.66%	1.028%
9	9.398	1082	1090	1099	rBV2	288001	558153	10.09%	0.889%
10	9.939	1175	1182	1196	rBV	360870	754925	13.65%	1.202%
11	10.286	1233	1241	1247	rBV	549942	953114	17.23%	1.518%
12	10.339	1247	1250	1259	rVB2	58091	96890	1.75%	0.154%
13	10.451	1263	1269	1283	rBV	249239	565537	10.22%	0.901%
14	12.192	1560	1565	1572	rBV2	32065	55732	1.01%	0.089%
15	13.498	1780	1787	1792	rBV3	42498	81565	1.47%	0.130%
16	13.598	1799	1804	1809	rBV	754880	1055911	19.09%	1.682%
17	13.645	1809	1812	1819	rVB	171043	254214	4.60%	0.405%
18	13.868	1841	1850	1864	rBV	892284	1460699	26.40%	2.327%
19	14.080	1880	1886	1891	rBV2	43472	56169	1.02%	0.089%
20	14.180	1895	1903	1909	rBV2	759960	1171857	21.18%	1.866%
21	14.239	1909	1913	1918	rVV	159283	228212	4.13%	0.363%
22	14.474	1947	1953	1967	rBV5	78106	269245	4.87%	0.429%
23	14.586	1967	1972	1979	rVV2	125838	221459	4.00%	0.353%
24	14.815	2005	2011	2015	rBV7	27816	59338	1.07%	0.095%
25	15.039	2045	2049	2053	rVB3	44227	56385	1.02%	0.090%
26	15.180	2067	2073	2078	rBV	1054616	1478273	26.72%	2.355%
27	15.239	2078	2083	2088	rVB	229040	332579	6.01%	0.530%
28	15.357	2094	2103	2108	rBV7	64492	151875	2.75%	0.242%
29	15.539	2129	2134	2140	rVB	70560	117085	2.12%	0.186%
30	15.686	2149	2159	2167	rBV3	68454	173908	3.14%	0.277%
31	15.910	2192	2197	2199	rBV3	58180	95204	1.72%	0.152%
32	16.245	2243	2254	2259	rBV6	68863	175026	3.16%	0.279%
33	16.298	2259	2263	2267	rVB4	36662	57496	1.04%	0.092%
34	16.480	2290	2294	2297	rVV4	46181	65624	1.19%	0.105%

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35	16.604	2309	2315	2320	rVV	125574	205622	3.72%	0.328%
36	16.692	2323	2330	2337	rVV7	84442	212935	3.85%	0.339%
37	16.757	2337	2341	2350	rVB	143439	247456	4.47%	0.394%
38	16.939	2366	2372	2375	rBV	899421	1267367	22.91%	2.019%
39	16.986	2375	2380	2384	rVV	2972896	4109688	74.28%	6.546%
40	17.039	2384	2389	2392	rVV2	1131900	1642590	29.69%	2.616%
41	17.074	2392	2395	2401	rVV	591127	812624	14.69%	1.294%
42	17.145	2401	2407	2416	rVB2	71974	171896	3.11%	0.274%
43	17.356	2435	2443	2451	rBV2	266422	528179	9.55%	0.841%
44	17.527	2468	2472	2478	rVB5	51661	97352	1.76%	0.155%
45	17.815	2516	2521	2524	rBV	378780	527735	9.54%	0.841%
46	17.862	2524	2529	2535	rVV	521452	889793	16.08%	1.417%
47	17.915	2535	2538	2541	rVV	177380	240291	4.34%	0.383%
48	17.945	2541	2543	2548	rVV	159914	204102	3.69%	0.325%
49	18.009	2548	2554	2558	rVV2	497913	871860	15.76%	1.389%
50	18.051	2558	2561	2567	rVB	248430	330323	5.97%	0.526%
51	18.133	2571	2575	2578	rBV4	71934	92724	1.68%	0.148%
52	18.180	2580	2583	2586	rVB3	48118	58090	1.05%	0.093%
53	18.215	2586	2589	2594	rBV7	40190	66866	1.21%	0.107%
54	18.321	2603	2607	2612	rBV	239393	338335	6.12%	0.539%
55	18.380	2612	2617	2622	rVB2	262691	356978	6.45%	0.569%
56	18.574	2646	2650	2654	rVV2	70625	101282	1.83%	0.161%
57	18.621	2655	2658	2662	rVV	84879	101843	1.84%	0.162%
58	18.662	2662	2665	2669	rVB	76283	108267	1.96%	0.172%
59	18.745	2674	2679	2683	rBV2	200672	322898	5.84%	0.514%
60	18.809	2685	2690	2693	rVV6	120432	221155	4.00%	0.352%
61	18.839	2693	2695	2699	rVB	86999	78709	1.42%	0.125%
62	18.898	2699	2705	2711	rBV5	163144	339335	6.13%	0.540%
63	19.015	2718	2725	2732	rBV	4330719	5532380	100.00%	8.812%
64	19.080	2733	2736	2739	rVB2	62247	64483	1.17%	0.103%
65	19.115	2739	2742	2745	rBV2	81447	137847	2.49%	0.220%
66	19.350	2776	2782	2784	rBV2	1884129	2640321	47.72%	4.205%
67	19.380	2784	2787	2795	rVV	3419196	4386804	79.29%	6.987%
68	19.450	2795	2799	2806	rVB3	183299	302626	5.47%	0.482%
69	19.562	2814	2818	2823	rBV	194182	253211	4.58%	0.403%
70	19.627	2825	2829	2833	rVB	157366	223399	4.04%	0.356%
71	19.703	2837	2842	2844	rBV2	233096	380079	6.87%	0.605%

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72	19.845	2861	2866	2868	rBV4	208422	339171	6.13%	0.540%
73	19.880	2869	2872	2877	rVB	484877	642918	11.62%	1.024%
74	19.980	2886	2889	2893	rBV	302187	352006	6.36%	0.561%
75	20.039	2893	2899	2903	rBV2	312919	537003	9.71%	0.855%
76	20.121	2910	2913	2917	rBV5	75793	97091	1.75%	0.155%
77	20.174	2919	2922	2926	rVV	176253	233383	4.22%	0.372%
78	20.227	2927	2931	2935	rVV	184049	258915	4.68%	0.412%
79	20.639	2997	3001	3006	rBV	354382	425053	7.68%	0.677%
80	20.797	3025	3028	3031	rBV2	317992	343203	6.20%	0.547%
81	20.833	3031	3034	3037	rVV	259078	298231	5.39%	0.475%
82	20.874	3038	3041	3048	rVV3	360144	615948	11.13%	0.981%
83	20.939	3049	3052	3056	rVB	349986	424753	7.68%	0.677%
84	21.144	3082	3087	3092	rBV2	2097464	4049905	73.20%	6.450%
85	21.192	3092	3095	3105	rVB	1780578	2222528	40.17%	3.540%
86	21.303	3111	3114	3122	rBV	259780	378680	6.84%	0.603%
87	21.697	3178	3181	3185	rVB	274038	336756	6.09%	0.536%
88	22.686	3344	3349	3354	rBV	1208532	2503666	45.25%	3.988%
89	23.144	3422	3427	3431	rBV	701472	1265204	22.87%	2.015%
90	23.197	3431	3436	3439	rVV2	959948	1724250	31.17%	2.746%
91	23.238	3439	3443	3449	rVB	1170239	1919210	34.69%	3.057%
92	23.333	3454	3459	3463	rBV	658002	1047342	18.93%	1.668%

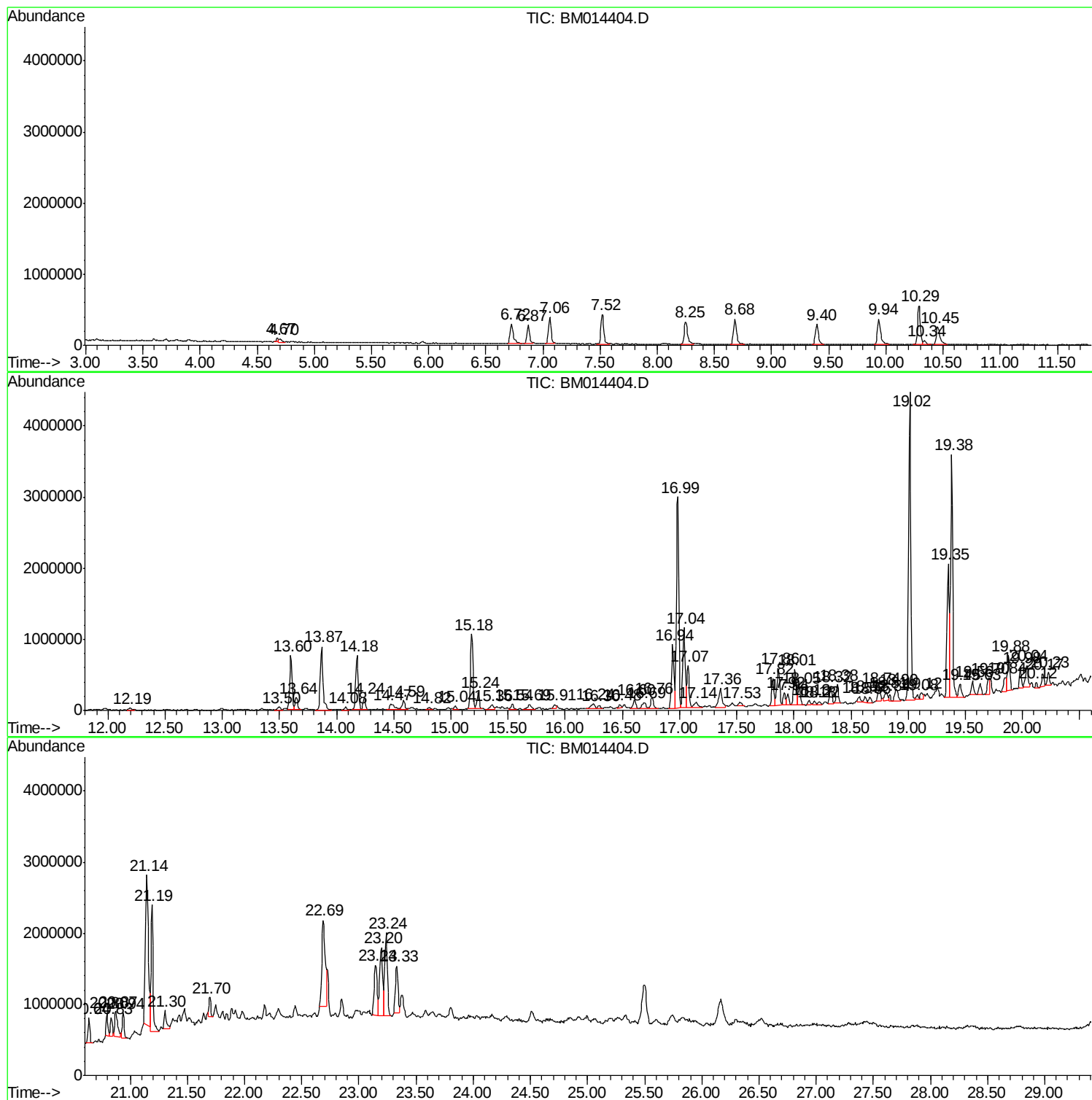
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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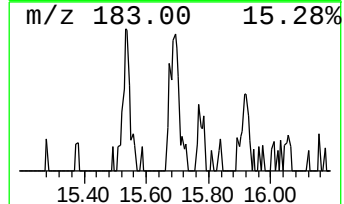
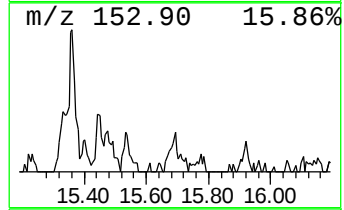
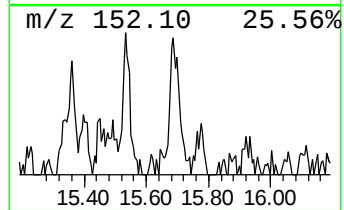
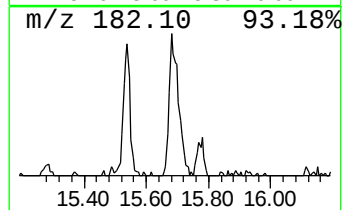
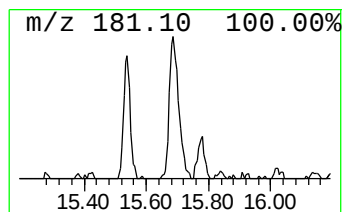
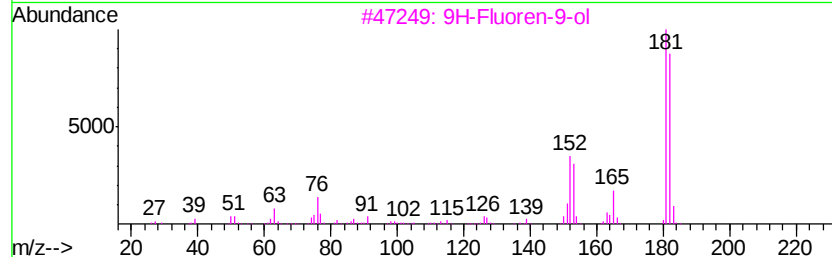
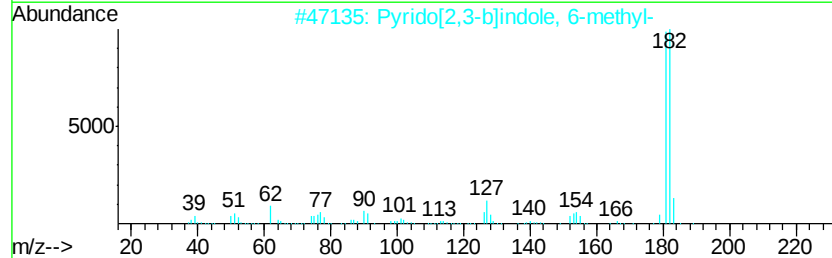
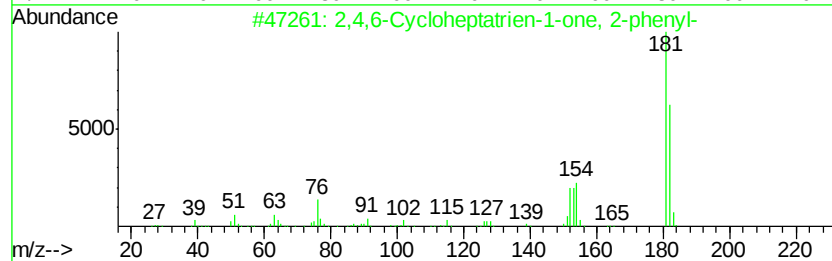
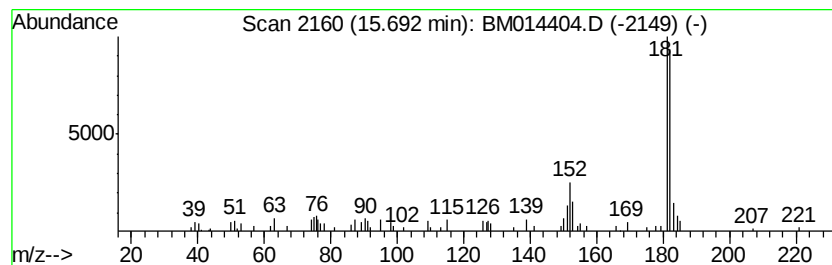
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 2,4,6-Cycloheptatrien-1-one... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	2.74 ng/ul	173908	Phenanthrene-d10	16.94

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80		
2	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	80		
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72		
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72		
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72		



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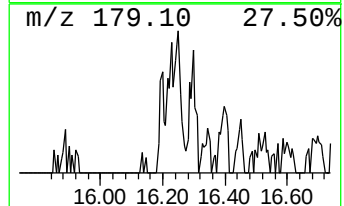
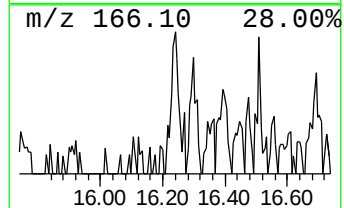
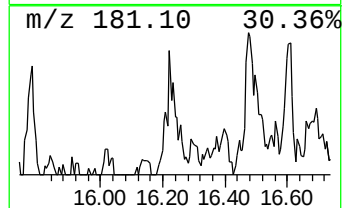
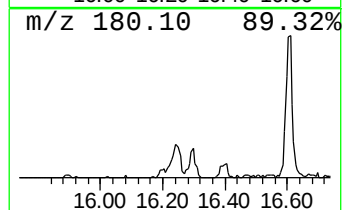
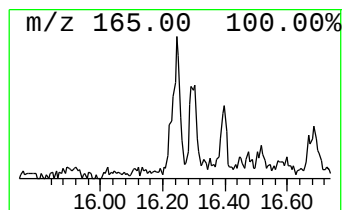
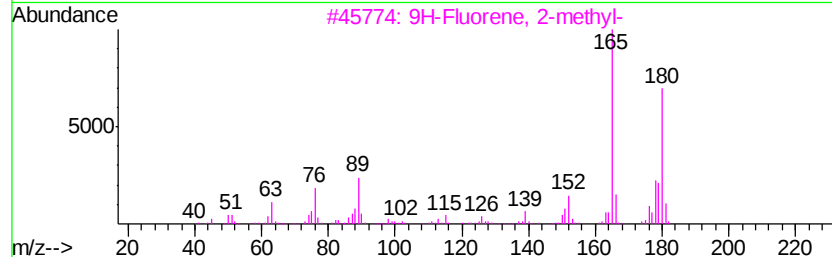
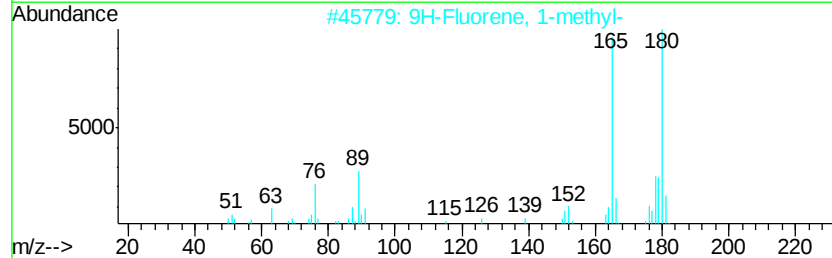
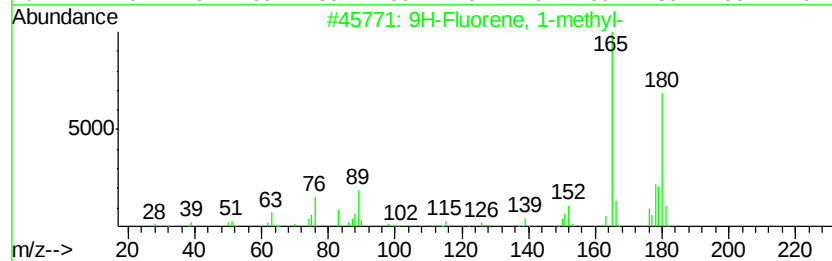
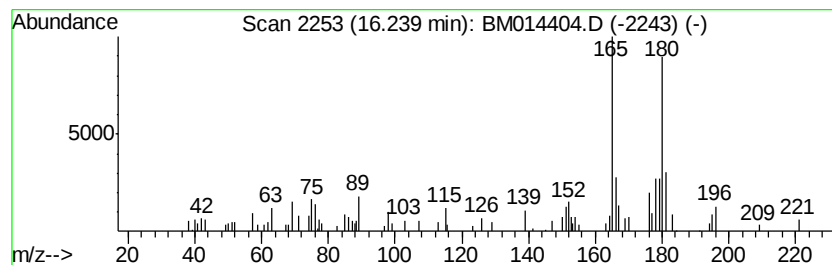
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

Peak Number 2 9H-Fluorene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	2.76 ng/ul	175026	Phenanthrene-d10	16.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	83
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	83
3		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	83
4		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	64
5		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	64



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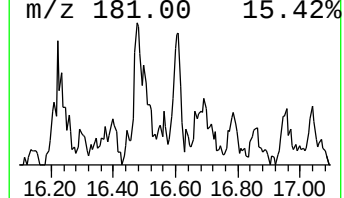
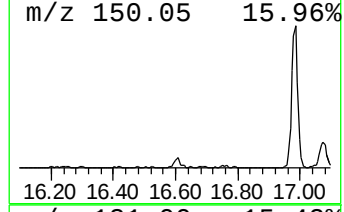
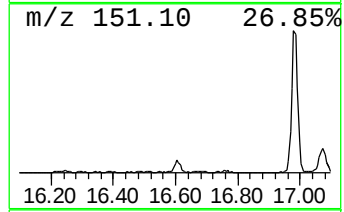
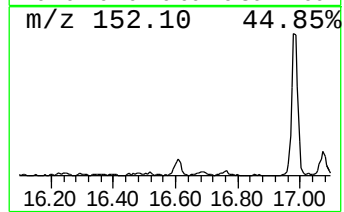
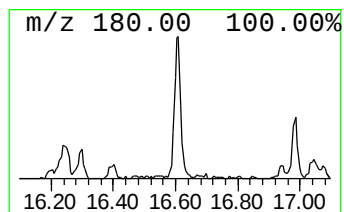
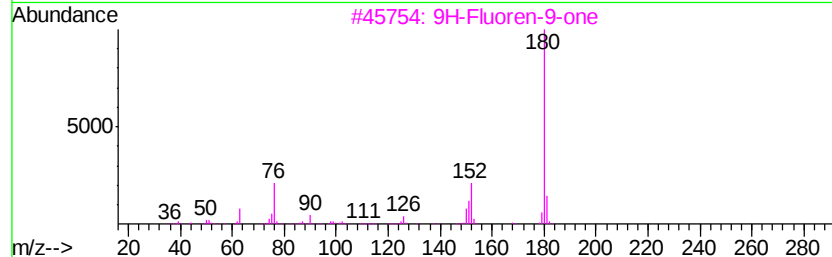
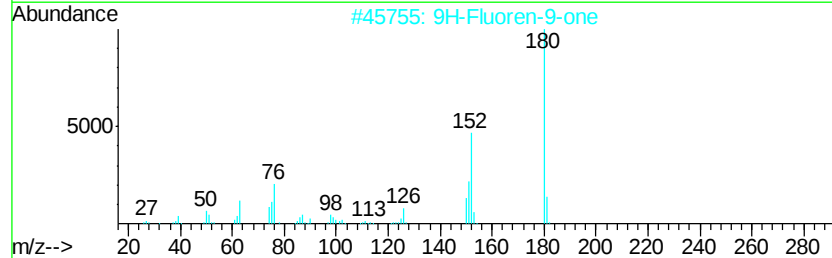
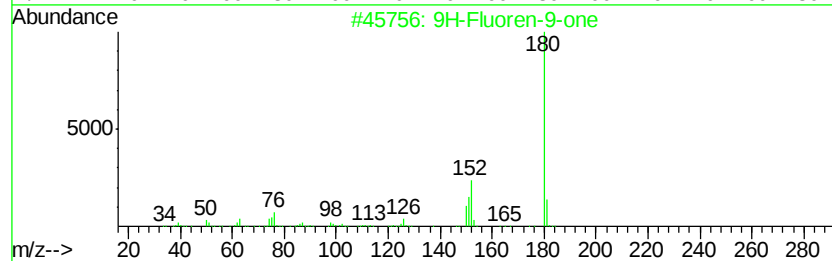
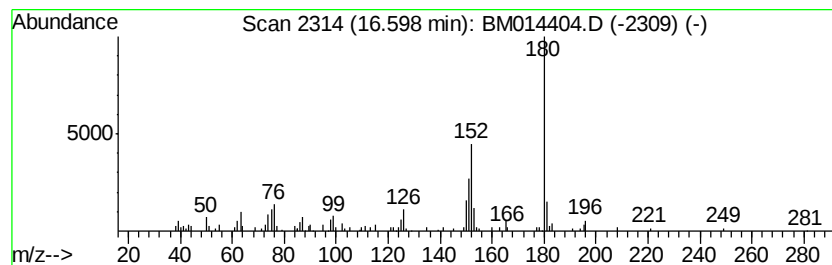
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 9H-Fluoren-9-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	3.24 ng/ul	205622	Phenanthrene-d10	16.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
2		9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3		9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
4		9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
5		9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	83



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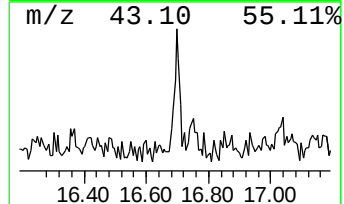
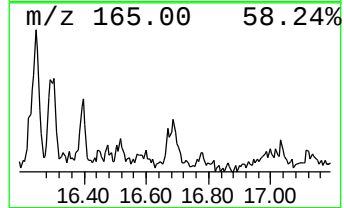
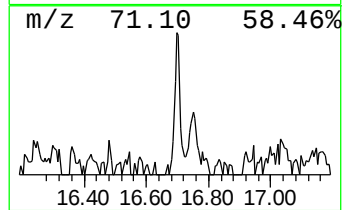
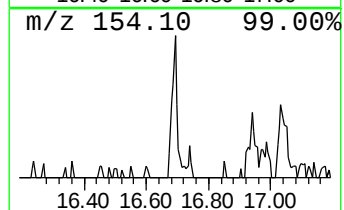
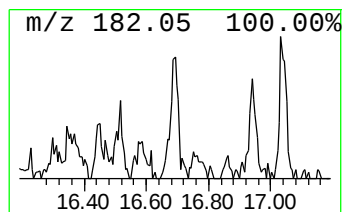
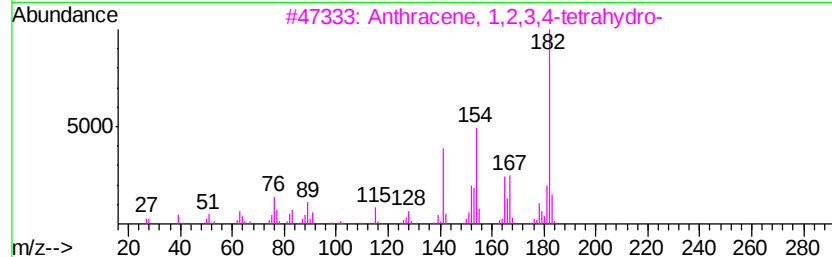
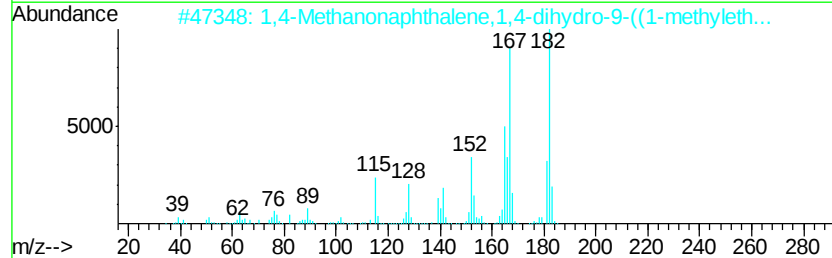
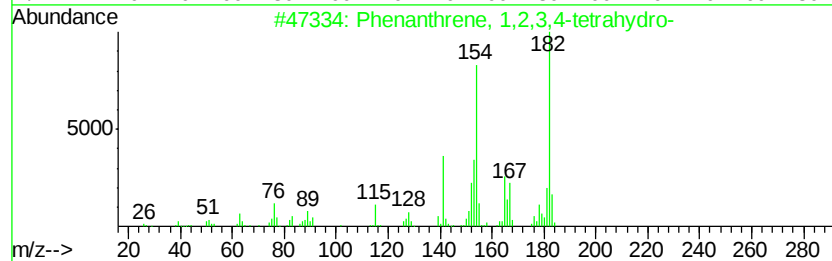
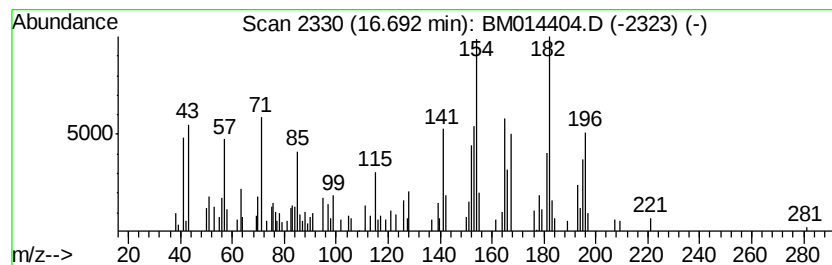
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 Phenanthrene, 1,2,3,4-tetra... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	3.36 ng/ul	212935	Phenanthrene-d10	16.94

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	64
2			1,4-Methanonaphthalene,1,4-dihyd...	182	C14H14	007350-72-3	62
3			Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	49
4			Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	49
5			Bicyclo[3.2.1]octane-6-carboxyli...	182	C10H14O3	1000362-16-3	35



Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014404.D
Acq On : 28 Feb 2018 15:12
Operator : SJ/JU
Sample : J1646-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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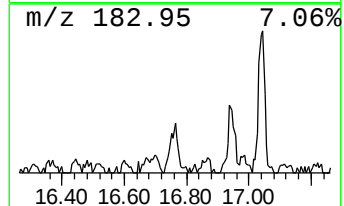
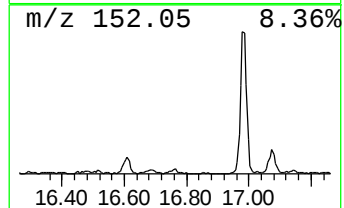
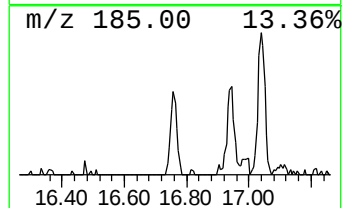
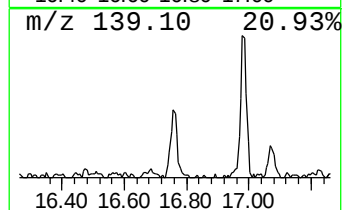
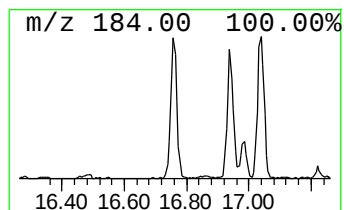
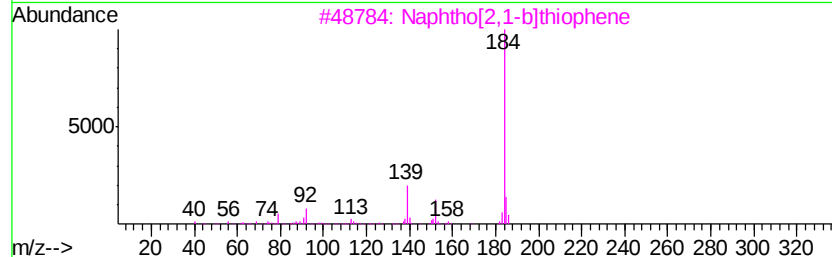
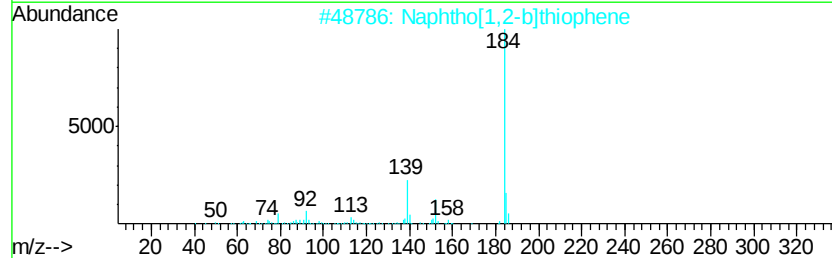
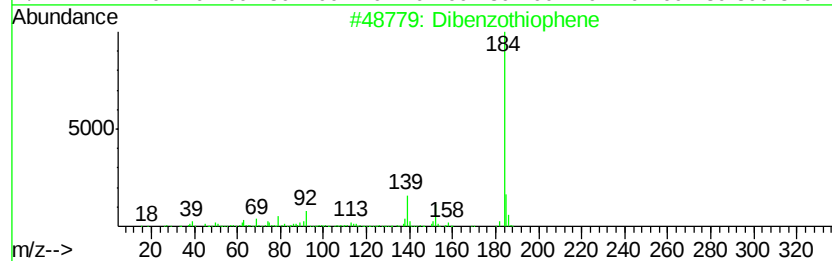
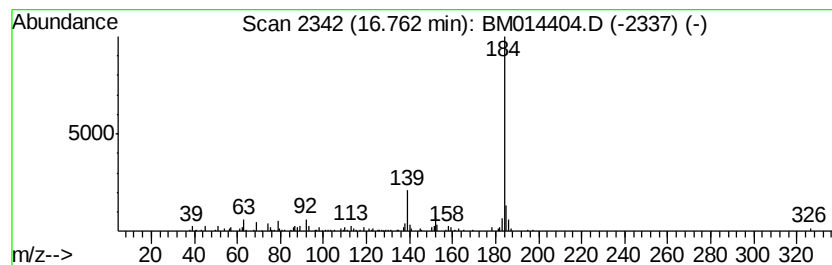
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.
16.76	3.91 ng/ul	247456	Phenanthrene-d10		16.94

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	93
2		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
3		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90
4		Dibenzothiophene	184	C12H8S	000132-65-0	90
5		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90



Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014404.D
Acq On : 28 Feb 2018 15:12
Operator : SJ/JU
Sample : J1646-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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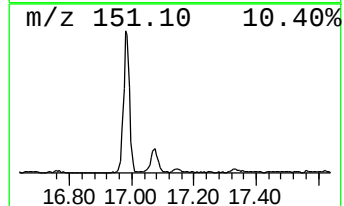
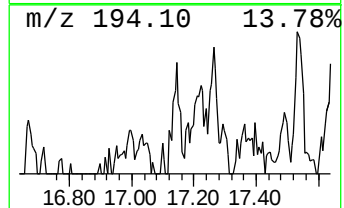
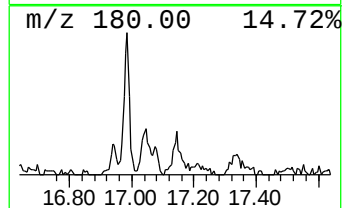
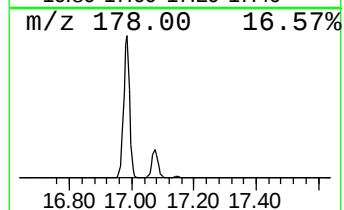
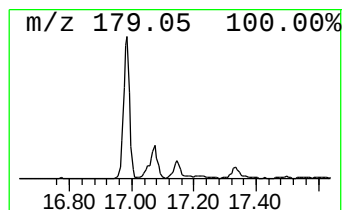
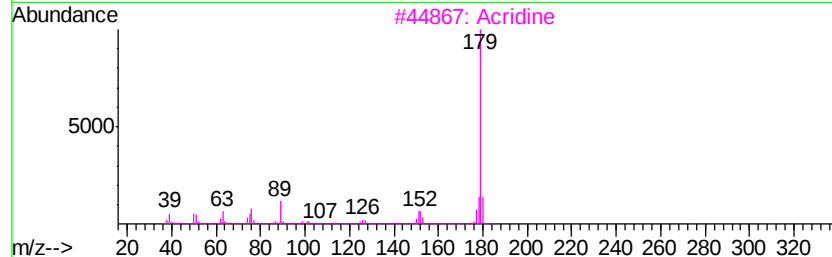
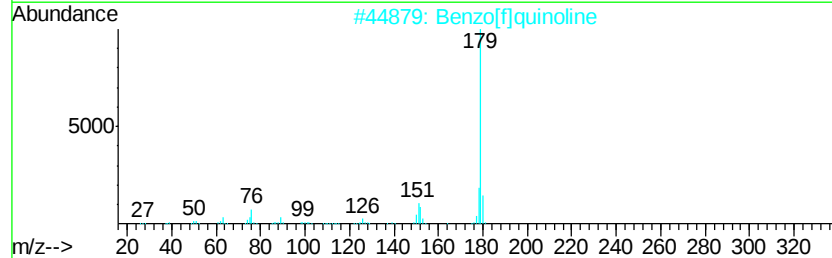
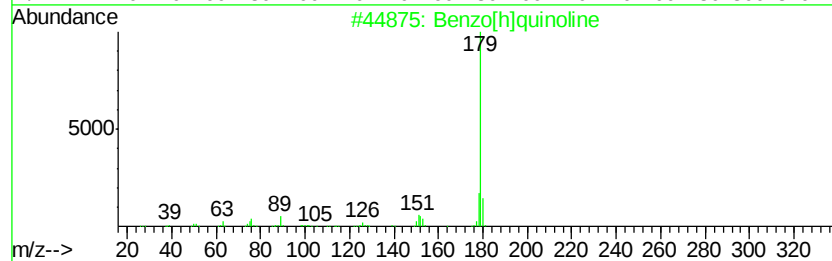
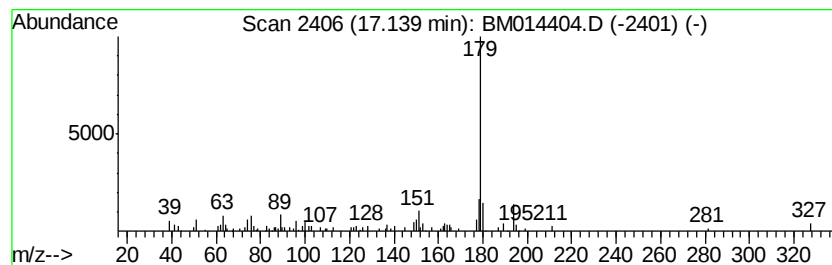
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Benzo[h]quinoline Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.14	2.71 ng/ul	171896	Phenanthrene-d10	16.94

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[h]quinoline	179	C13H9N	000230-27-3	87
2		Benzo[f]quinoline	179	C13H9N	000085-02-9	87
3		Acridine	179	C13H9N	000260-94-6	81
4		Phenanthridine	179	C13H9N	000229-87-8	74
5		Acridine	179	C13H9N	000260-94-6	74



Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
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Acq On : 28 Feb 2018 15:12
Operator : SJ/JU
Sample : J1646-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

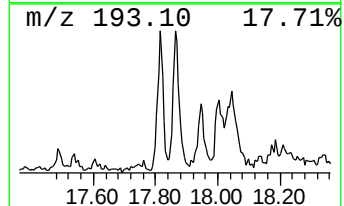
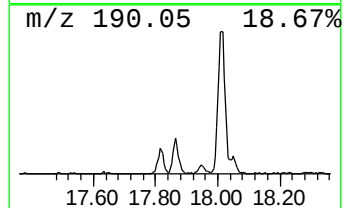
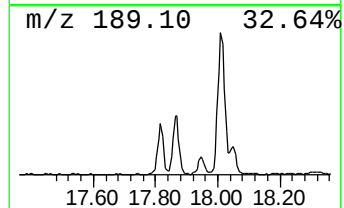
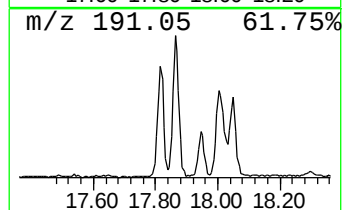
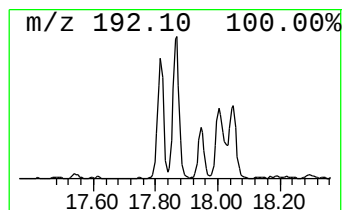
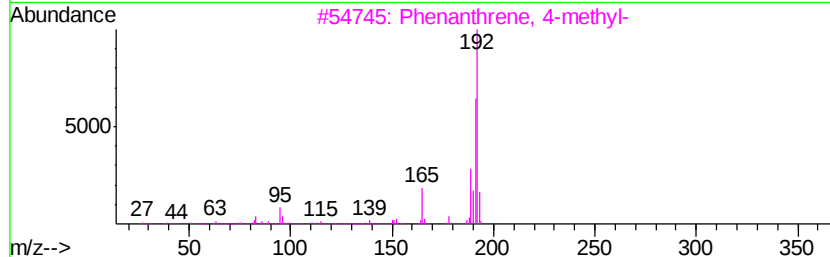
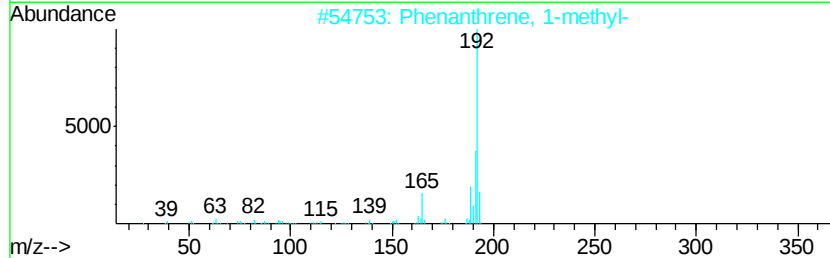
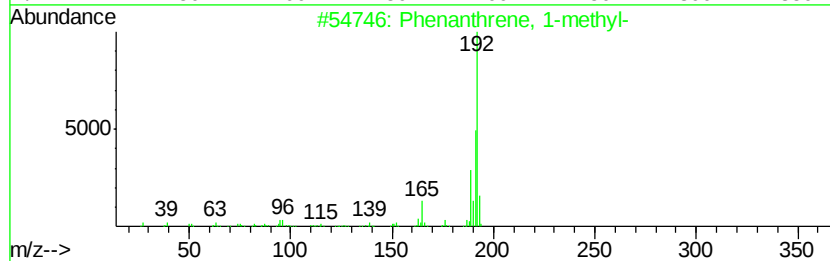
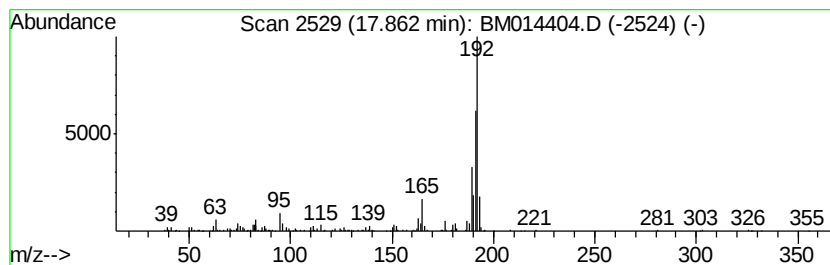
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.86	14.04 ng/ul	889793	Phenanthrene-d10	16.94	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93



Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014404.D
Acq On : 28 Feb 2018 15:12
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Misc :
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Instrument :
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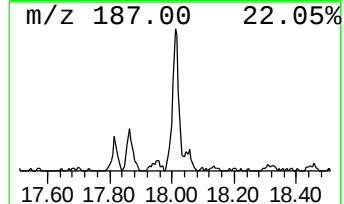
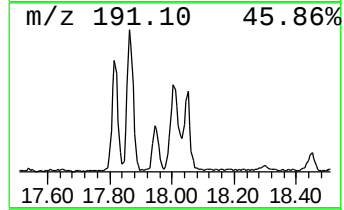
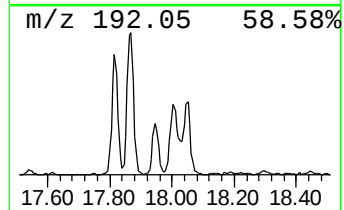
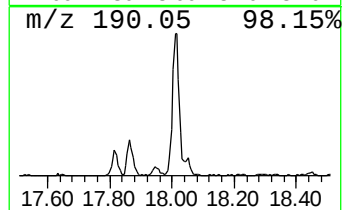
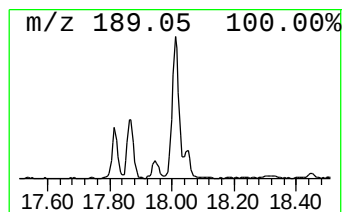
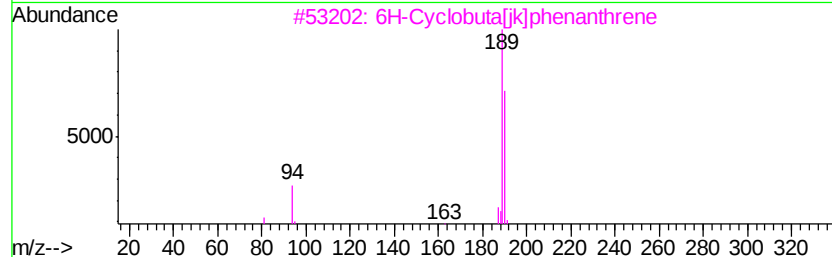
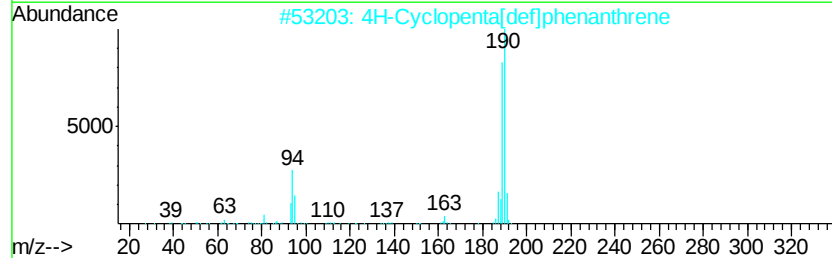
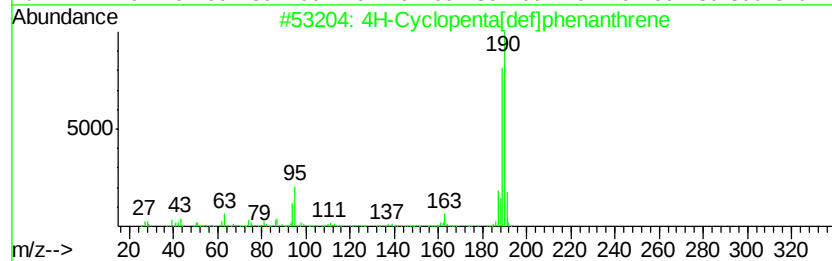
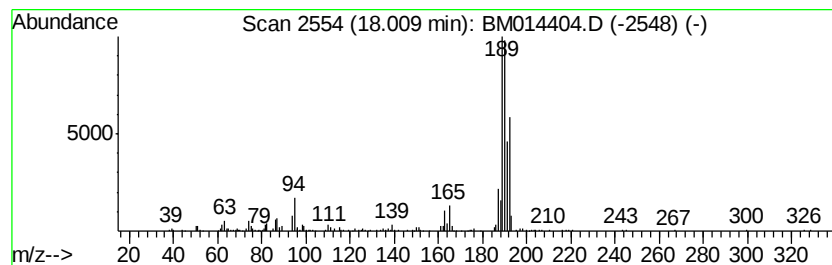
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	13.76 ng/ul	871860	Phenanthrene-d10	16.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	58
4		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
5		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50



Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
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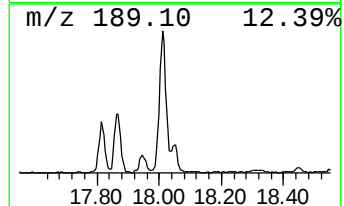
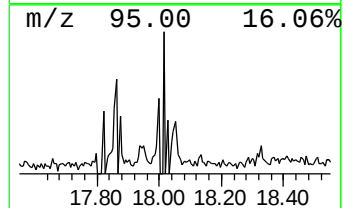
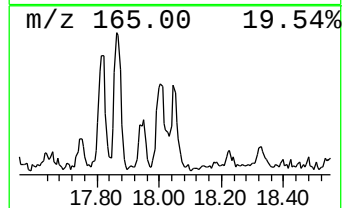
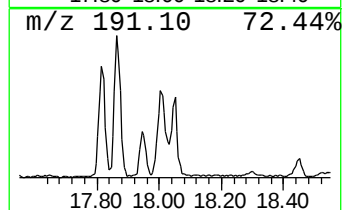
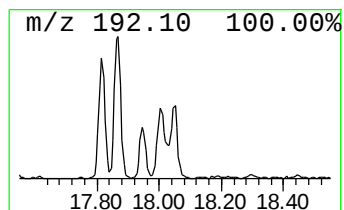
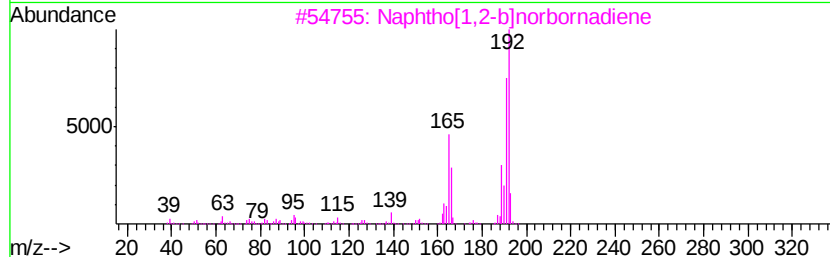
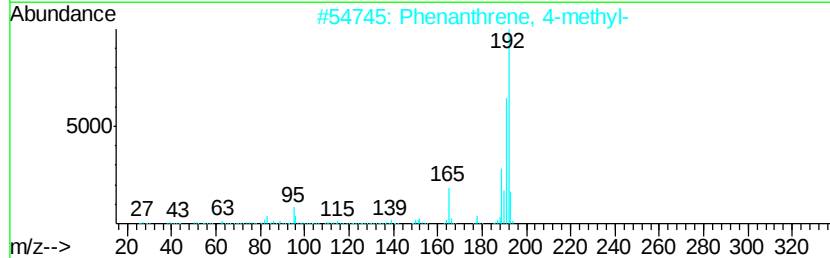
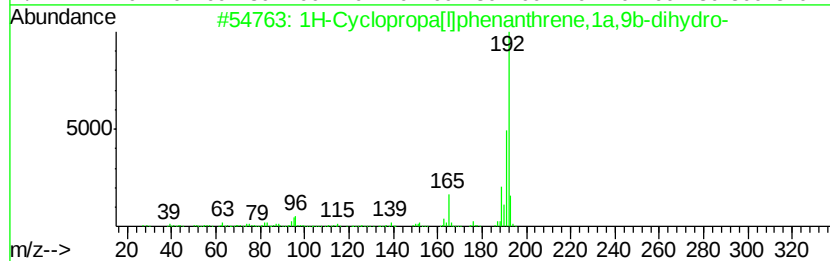
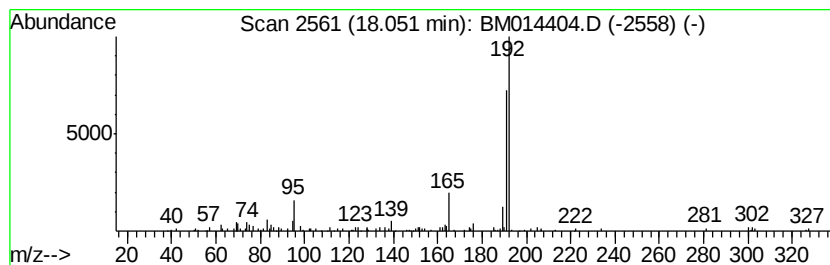
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.05	5.21 ng/ul	330323	Phenanthrene-d10	16.94		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	80
2		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	80
3		Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	74
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	72
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	72



Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014404.D
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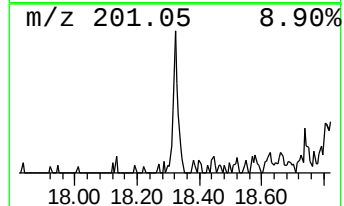
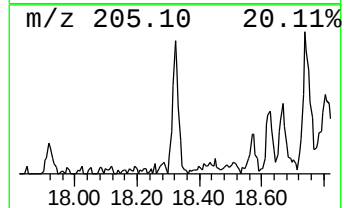
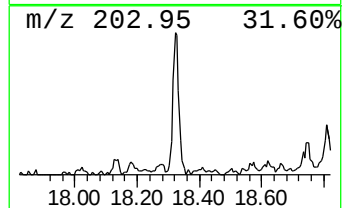
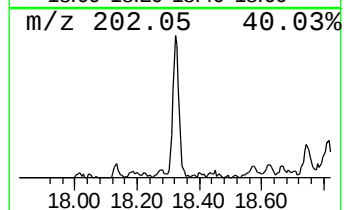
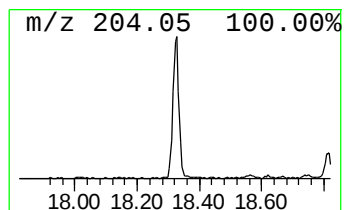
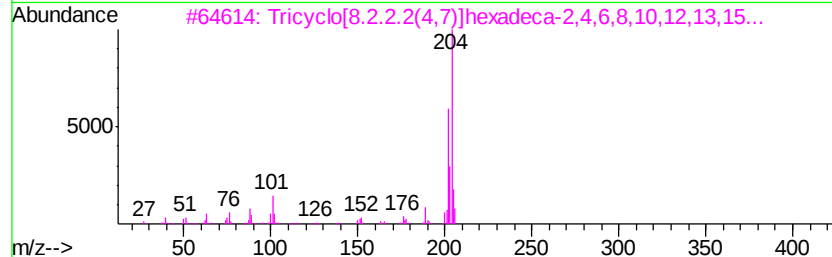
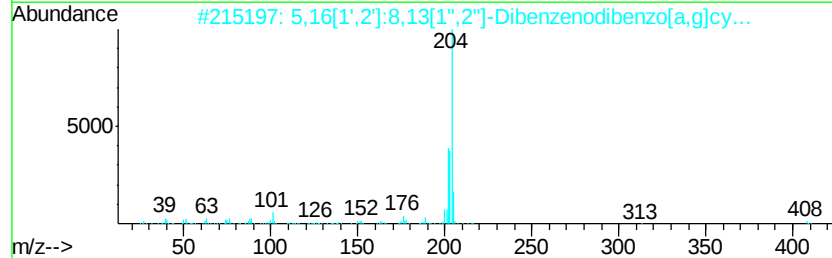
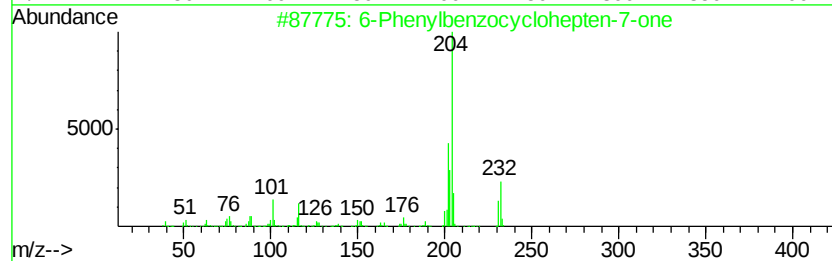
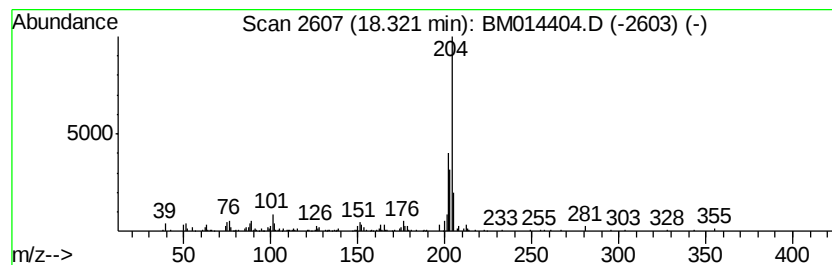
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 6-Phenylbenzocyclohepten-7-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	5.34 ng/ul	338335	Phenanthrene-d10	16.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	72
2		5,16[1',2'] :8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
3		Tricvclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58



Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014404.D
Acq On : 28 Feb 2018 15:12
Operator : SJ/JU
Sample : J1646-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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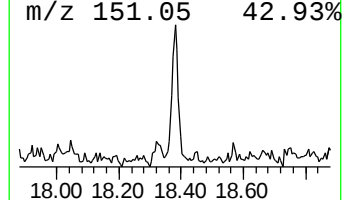
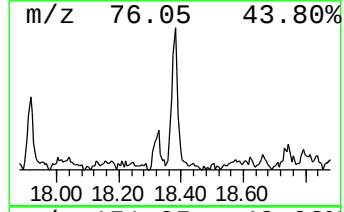
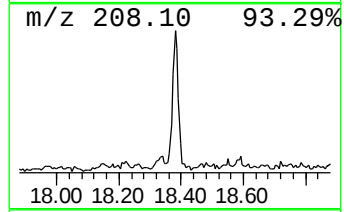
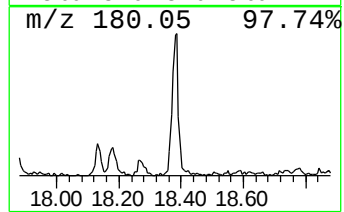
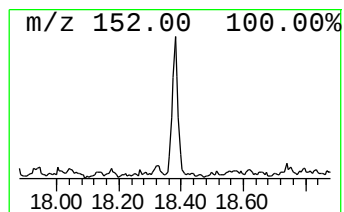
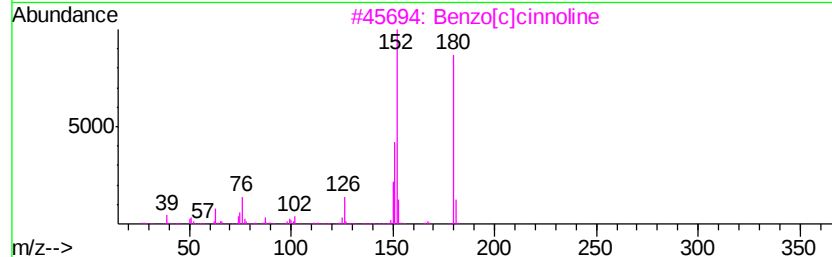
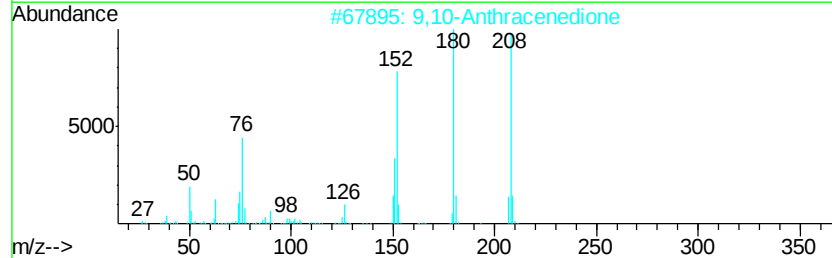
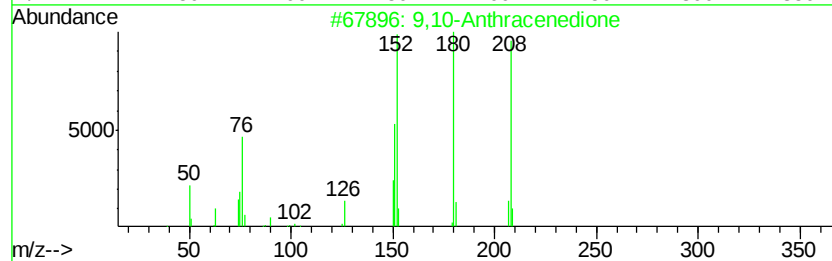
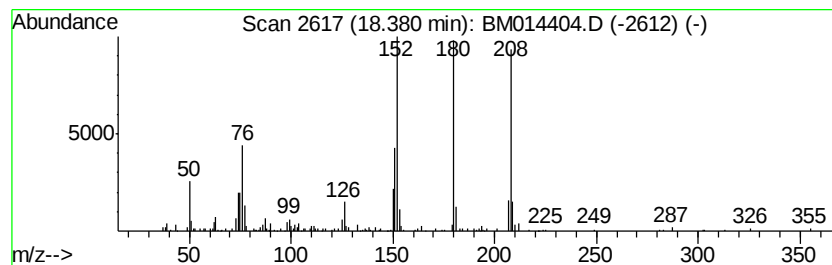
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	5.63 ng/ul	356978	Phenanthrene-d10	16.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2		9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
4		9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
5		9H-Fluoren-9-one	180	C13H8O	000486-25-9	83



Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
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Sample : J1646-22
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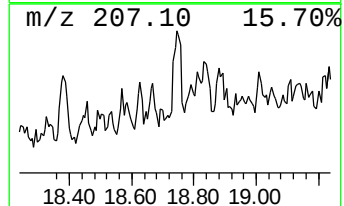
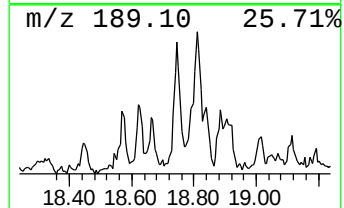
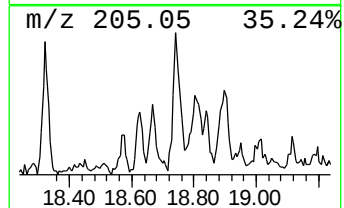
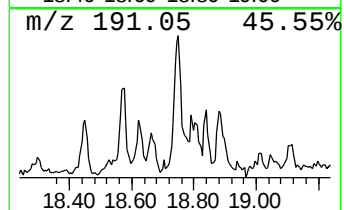
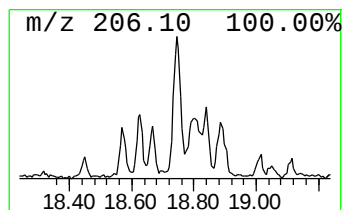
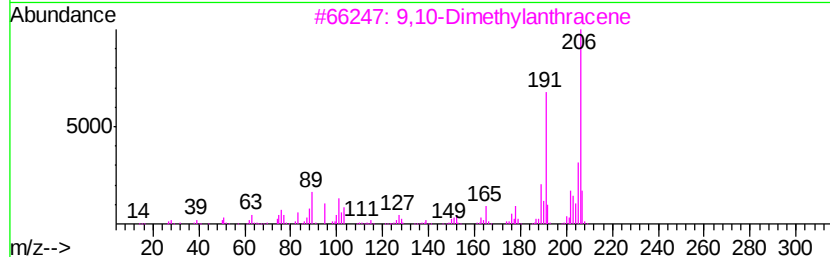
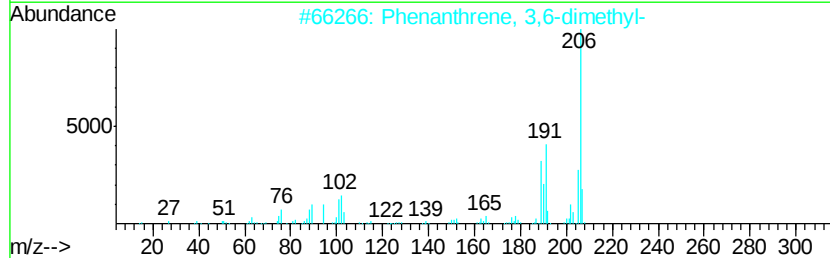
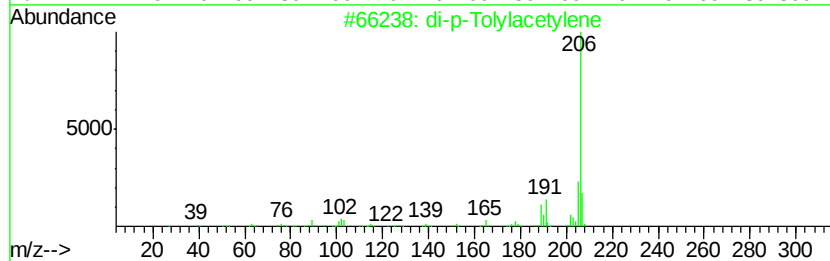
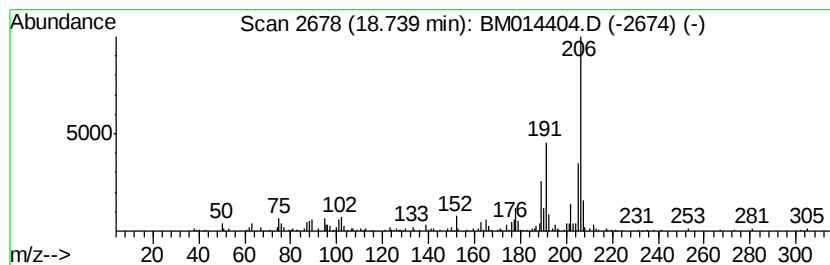
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 di-p-Tolylacetylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.74	5.10 ng/ul	322898	Phenanthrene-d10	16.94	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylvene	206	C16H14	002789-88-0	95
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91



Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014404.D
Acq On : 28 Feb 2018 15:12
Operator : SJ/JU
Sample : J1646-22
Misc :
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Instrument :
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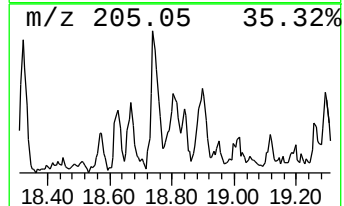
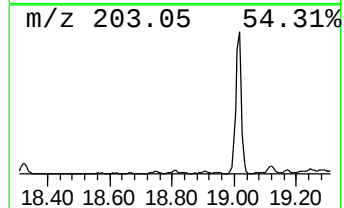
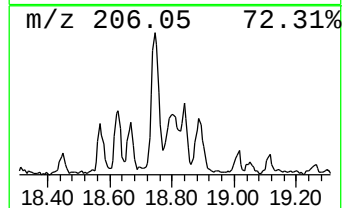
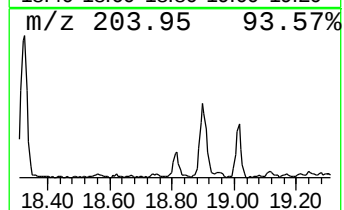
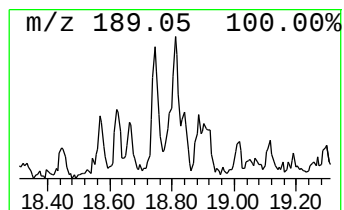
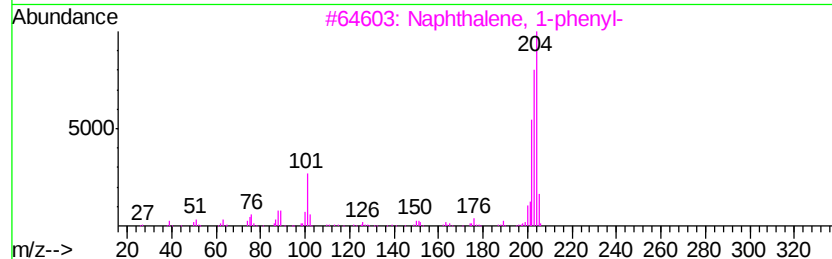
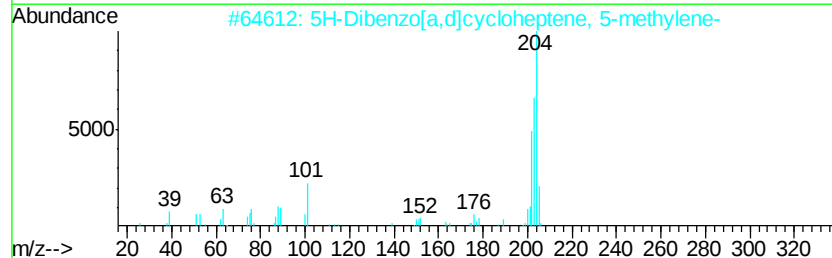
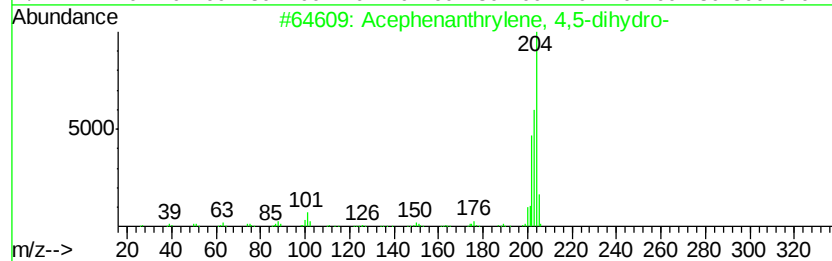
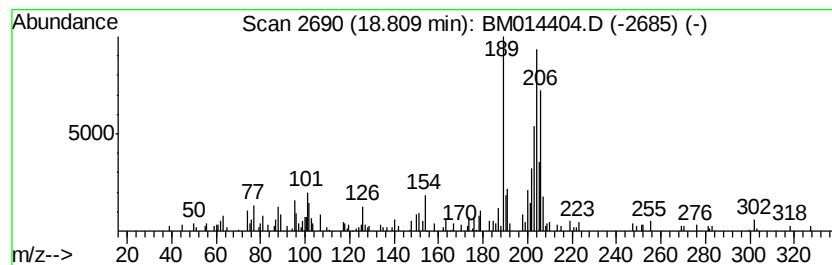
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	3.49 ng/ul	221155	Phenanthrene-d10	16.94

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	46
2			5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	46
3			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	38
4			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30
5			Levamisole	204	C11H12N2S	014769-73-4	30



Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014404.D
Acq On : 28 Feb 2018 15:12
Operator : SJ/JU
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ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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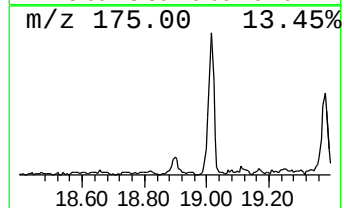
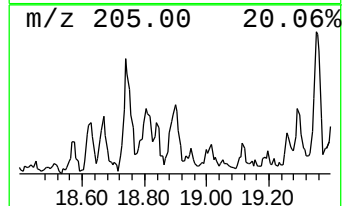
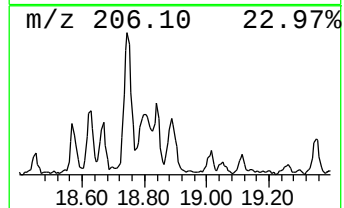
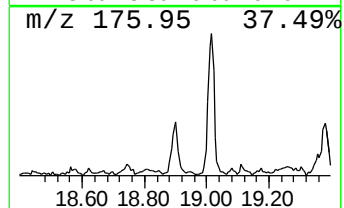
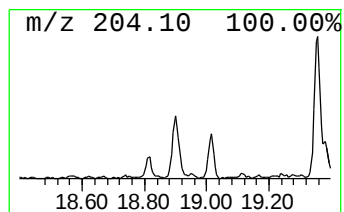
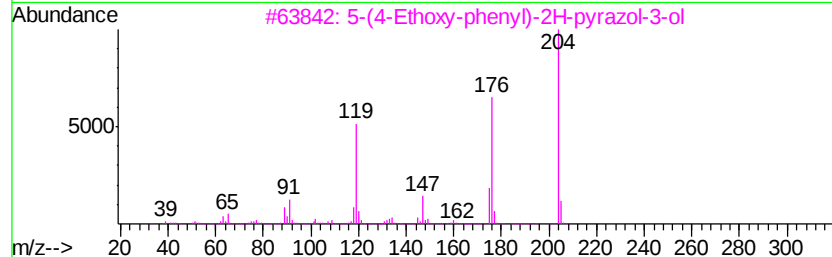
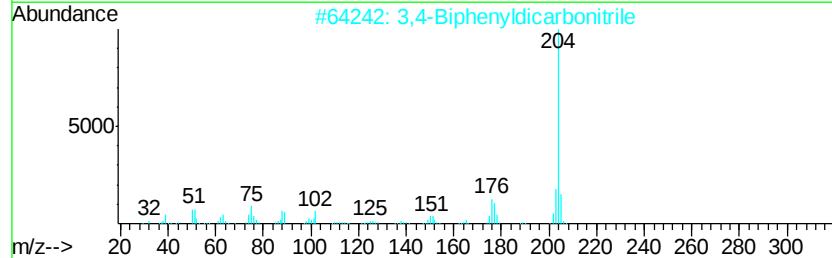
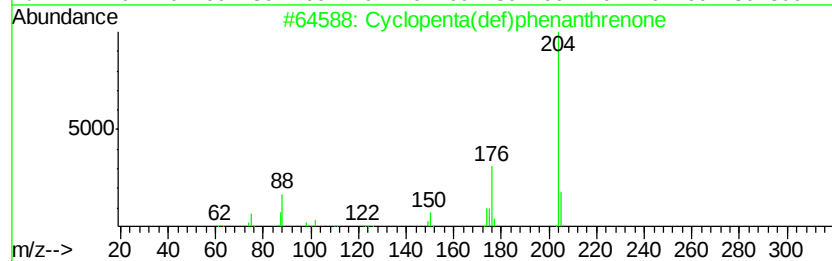
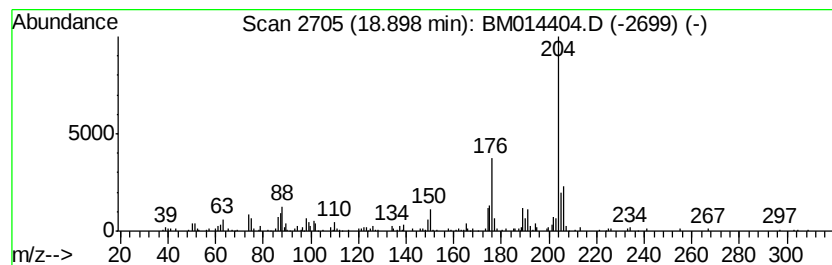
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	5.35 ng/ul	339335	Phenanthrene-d10	16.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	89
2		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
3		5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	49
4		1,2,4,8-Tetramethylbicyclo[6.3.0]...	204	C15H24	137235-51-9	49
5		Carbostyryl, 3-ethyl-4-hydroxy-7...	219	C12H13NO3	022048-12-0	43



Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014404.D
Acq On : 28 Feb 2018 15:12
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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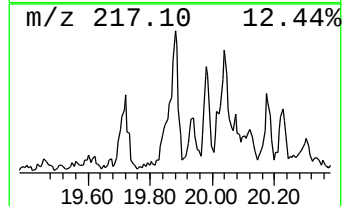
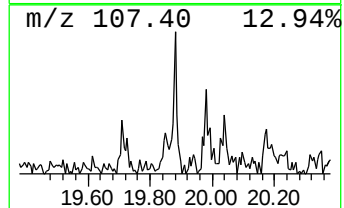
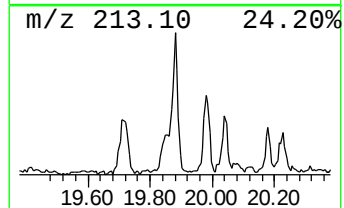
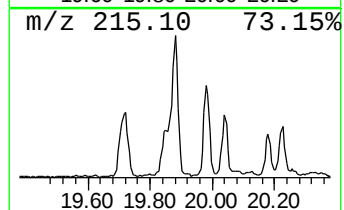
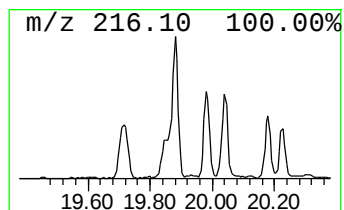
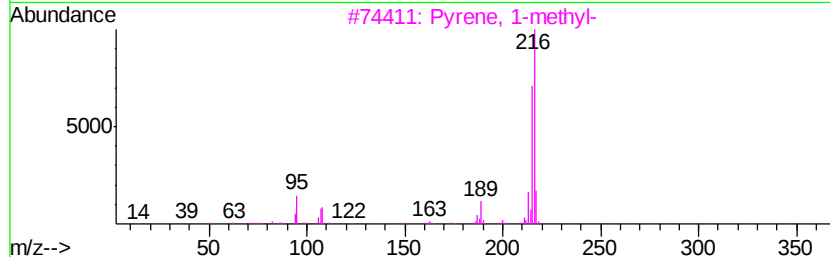
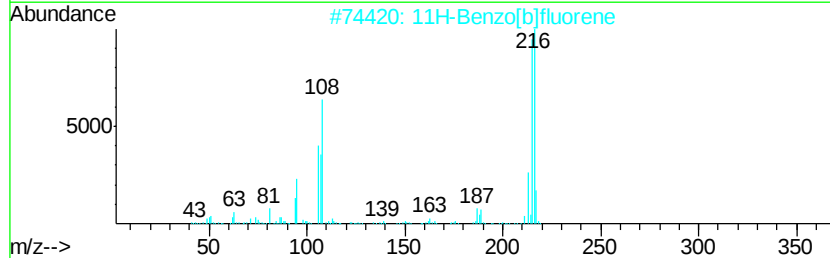
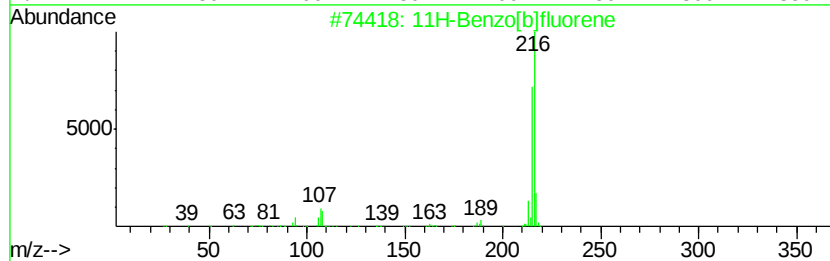
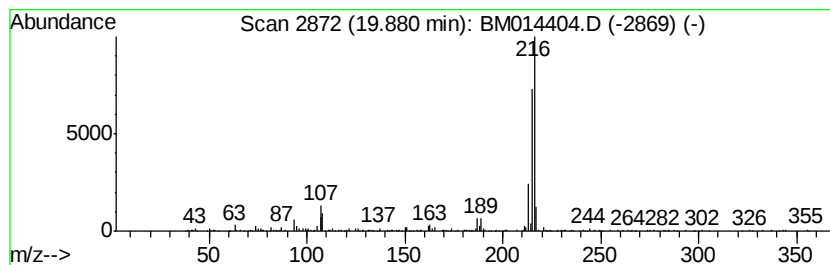
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.88	3.17 ng/ul	642918	Chrysene-d12	21.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
3		Pvrene, 1-methyl-	216	C17H12	002381-21-7	80
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72



Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
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Operator : SJ/JU
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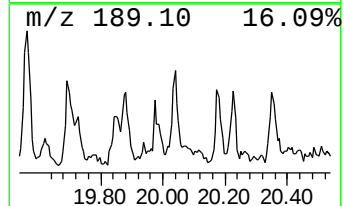
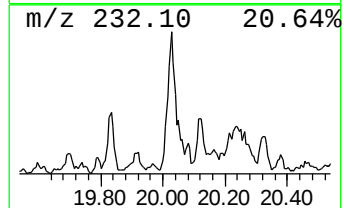
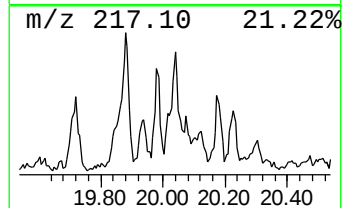
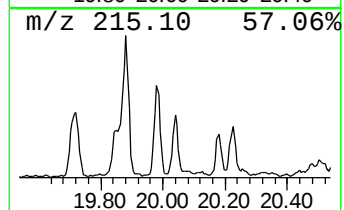
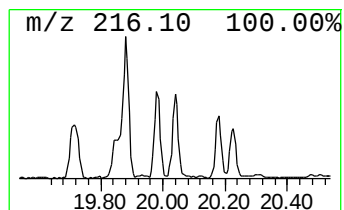
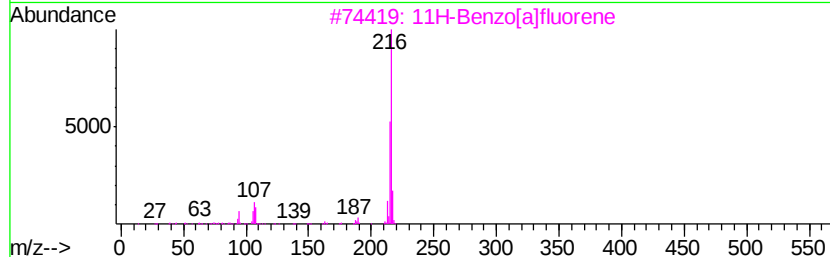
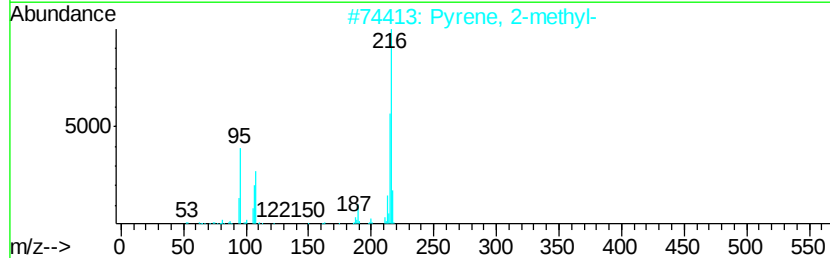
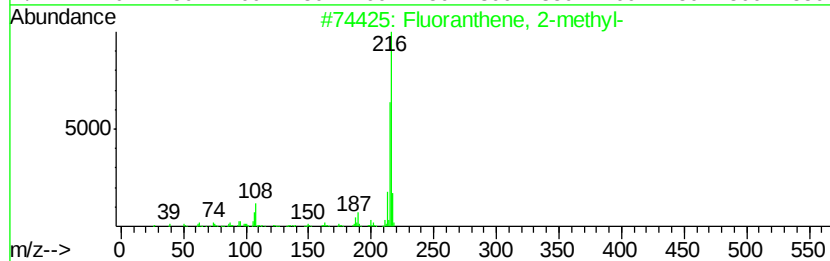
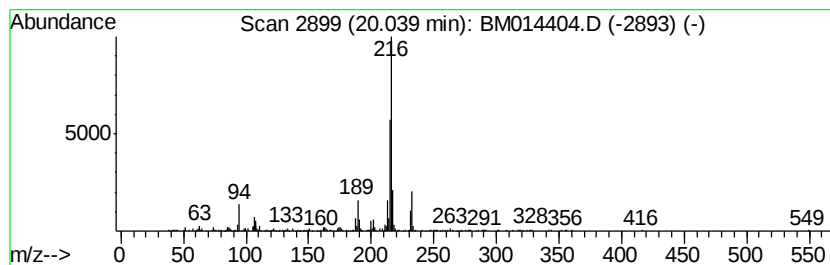
Instrument :
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	2.65 ng/ul	537003	Chrysene-d12	21.15
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 93
2		Pyrene, 2-methyl-	216 C17H12	003442-78-2 90
3		11H-Benzof[al]fluorene	216 C17H12	000238-84-6 81
4		Pyrene, 1-methyl-	216 C17H12	002381-21-7 81
5		Pyrene, 1-methyl-	216 C17H12	002381-21-7 81



Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014404.D
Acq On : 28 Feb 2018 15:12
Operator : SJ/JU
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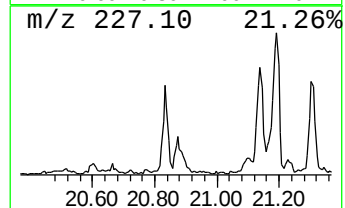
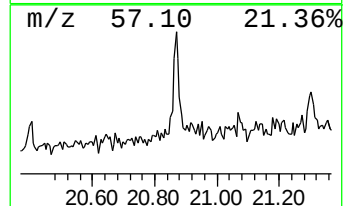
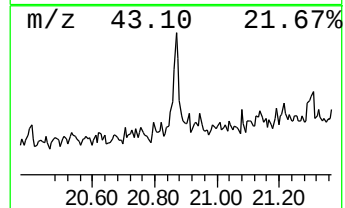
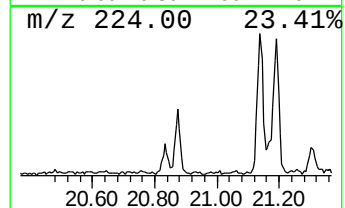
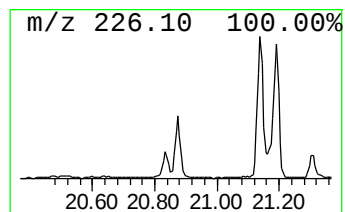
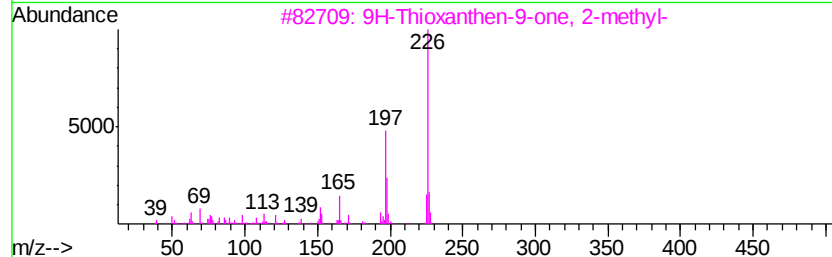
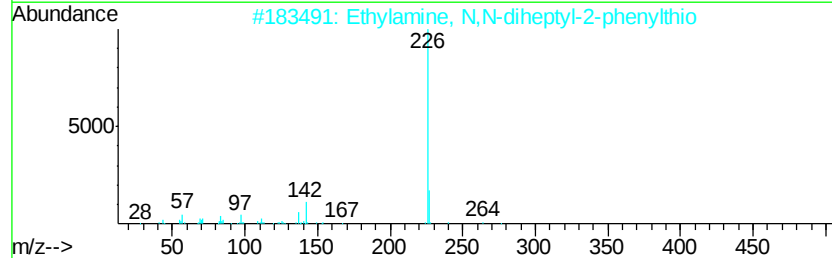
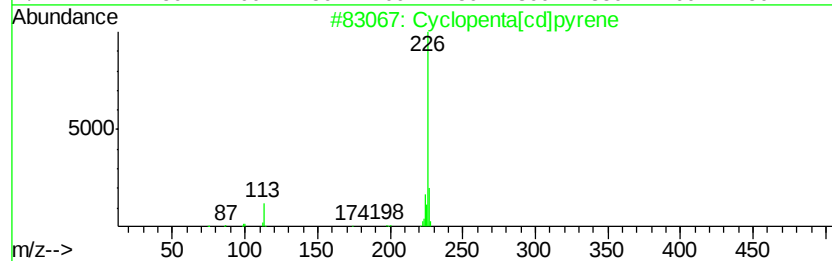
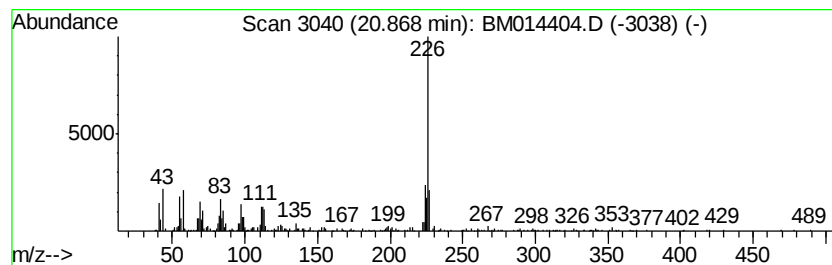
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BE600

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

Peak Number 19 Cyclopenta[cd]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	3.04 ng/ul	615948	Chrysene-d12	21.15
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclopenta[cd]pyrene	226 C18H10	027208-37-3 76
2		Ethylamine, N,N-diheptyl-2-pheny...	349 C22H39NS	1000310-32-6 50
3		9H-Thioxanthen-9-one, 2-methyl-	226 C14H10OS	015774-82-0 42
4		2,2'-Oxydibenzaldehyde	226 C14H10O3	049590-51-4 40
5		p-Anisaldehyde phenylhydrazone	226 C14H14N2O	000622-73-1 40



Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014404.D
Acq On : 28 Feb 2018 15:12
Operator : SJ/JU
Sample : J1646-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BE600

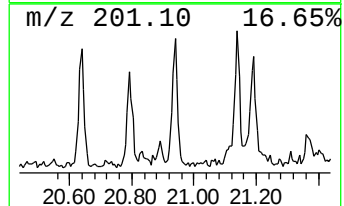
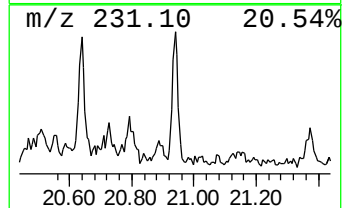
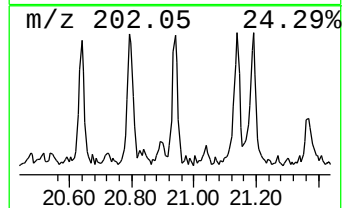
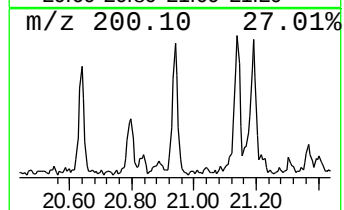
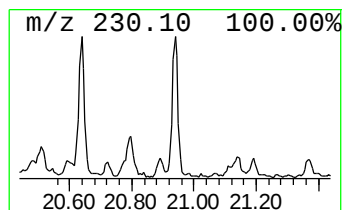
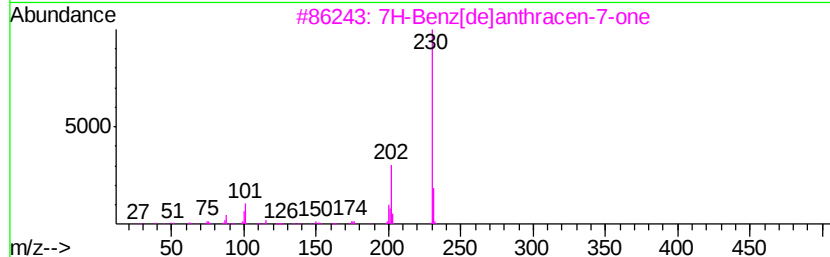
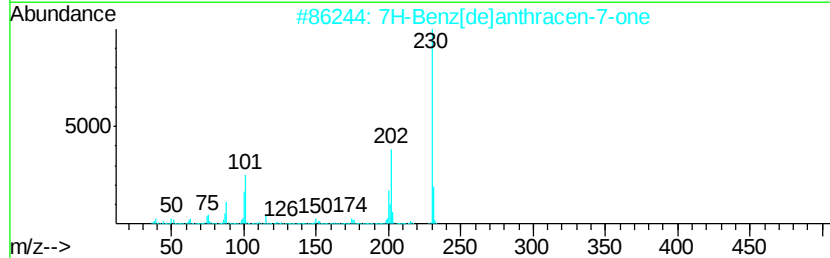
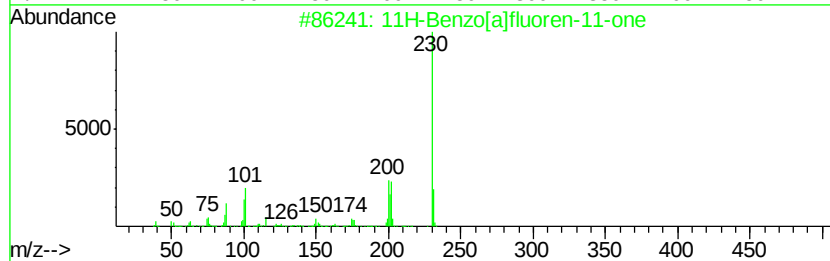
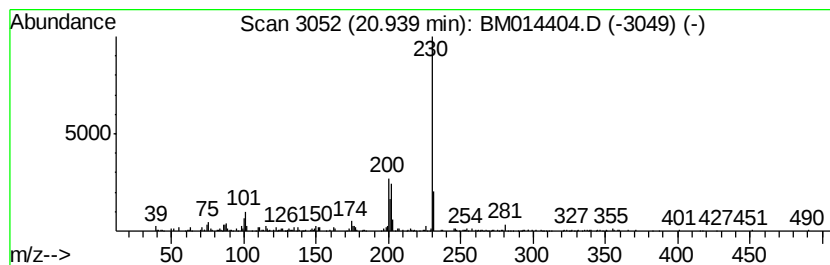
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

Peak Number 20 11H-Benzo[a]fluoren-11-one Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	2.10 ng/ul	424753	Chrysene-d12	21.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
3		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
4		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68
5		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022818\
 Data File : BM014404.D
 Acq On : 28 Feb 2018 15:12
 Operator : SJ/JU
 Sample : J1646-22
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE600

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2,4,6-Cycloheptat...	15.69	2.7	ng/ul	173908	4	16.94	1267370	20.0
9H-Fluorene, 1-me...	16.24	2.8	ng/ul	175026	4	16.94	1267370	20.0
9H-Fluoren-9-one	16.60	3.2	ng/ul	205622	4	16.94	1267370	20.0
Phenanthrene, 1,2...	16.69	3.4	ng/ul	212935	4	16.94	1267370	20.0
Dibenzothiophene	16.76	3.9	ng/ul	247456	4	16.94	1267370	20.0
Benzo[h]quinoline	17.14	2.7	ng/ul	171896	4	16.94	1267370	20.0
Phenanthrene, 1-m...	17.86	14.0	ng/ul	889793	4	16.94	1267370	20.0
4H-Cyclopenta[def...	18.01	13.8	ng/ul	871860	4	16.94	1267370	20.0
1H-Cyclopropa[l]p...	18.05	5.2	ng/ul	330323	4	16.94	1267370	20.0
6-Phenylbenzocycl...	18.32	5.3	ng/ul	338335	4	16.94	1267370	20.0
9,10-Anthracenedione	18.38	5.6	ng/ul	356978	4	16.94	1267370	20.0
di-p-Tolylacetylene	18.74	5.1	ng/ul	322898	4	16.94	1267370	20.0
unknown-01	18.81	3.5	ng/ul	221155	4	16.94	1267370	20.0
Cyclopenta(def)ph...	18.90	5.3	ng/ul	339335	4	16.94	1267370	20.0
11H-Benzo[b]fluorene	19.88	3.2	ng/ul	642918	5	21.15	4049910	20.0
Fluoranthene, 2-m...	20.04	2.6	ng/ul	537003	5	21.15	4049910	20.0
Cyclopenta[cd]pyrene	20.87	3.0	ng/ul	615948	5	21.15	4049910	20.0
11H-Benzo[a]fluor...	20.94	2.1	ng/ul	424753	5	21.15	4049910	20.0