

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
 Data File : BM012841.D
 Acq On : 09 Nov 2017 03:41
 Operator : SJ/JU
 Sample : I5955-09
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-14(0-1)-101717

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-BM110417MA.M
 Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.804	117	122	129	rBV	69326	92505	2.12%	0.186%
2	6.975	652	661	674	rVB	419211	745516	17.06%	1.498%
3	7.134	682	688	701	rBV	344803	520828	11.92%	1.046%
4	7.334	715	722	731	rBV	486540	759454	17.38%	1.526%
5	7.798	794	801	810	rBV	622260	974321	22.30%	1.957%
6	8.510	916	922	933	rBV	524069	867138	19.85%	1.742%
7	8.957	990	998	1006	rBV	431006	695597	15.92%	1.397%
8	9.675	1112	1120	1131	rBV	317473	546610	12.51%	1.098%
9	10.216	1206	1212	1224	rBV	570743	995963	22.79%	2.001%
10	10.586	1266	1275	1281	rBV	810281	1366760	31.28%	2.746%
11	10.639	1281	1284	1289	rVB	57951	87338	2.00%	0.175%
12	10.733	1294	1300	1312	rVB	70656	149636	3.42%	0.301%
13	12.257	1552	1559	1564	rVB	35868	57436	1.31%	0.115%
14	12.474	1589	1596	1604	rBV	31741	56039	1.28%	0.113%
15	13.598	1780	1787	1796	rBV4	19170	50559	1.16%	0.102%
16	13.757	1809	1814	1819	rBV	35797	61885	1.42%	0.124%
17	13.845	1819	1829	1834	rVV	972782	1410970	32.29%	2.834%
18	13.892	1834	1837	1845	rVB	223847	305577	6.99%	0.614%
19	14.133	1872	1878	1892	rVB	1099724	1799345	41.18%	3.615%
20	14.439	1919	1930	1936	rBV2	1101948	1726465	39.51%	3.468%
21	14.498	1936	1940	1948	rVB	160670	252831	5.79%	0.508%
22	14.663	1960	1968	1979	rBV2	199774	371411	8.50%	0.746%
23	14.804	1987	1992	1994	rBV2	43941	64330	1.47%	0.129%
24	14.839	1994	1998	2007	rVB	114102	199202	4.56%	0.400%
25	15.227	2057	2064	2067	rBV5	24565	44549	1.02%	0.089%
26	15.286	2071	2074	2082	rVB2	49637	66616	1.52%	0.134%
27	15.433	2089	2099	2104	rBV	1475809	2038281	46.65%	4.095%
28	15.486	2104	2108	2115	rVB	193295	268539	6.15%	0.539%
29	15.574	2119	2123	2127	rBV2	61055	95117	2.18%	0.191%
30	15.651	2132	2136	2139	rBV2	27996	44869	1.03%	0.090%
31	15.780	2155	2158	2166	rVB	56198	83954	1.92%	0.169%
32	15.927	2175	2183	2190	rBV	56572	136119	3.12%	0.273%
33	16.151	2216	2221	2233	rVB5	81259	186027	4.26%	0.374%
34	16.492	2276	2279	2283	rVB2	42868	54436	1.25%	0.109%

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Integration Parameters: LSCINT.P

Integrator: RTE
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35	16.539	2283	2287	2292	rVB2	27929	52406	1.20%	0.105%
36	16.839	2335	2338	2345	rVB	79056	116809	2.67%	0.235%
37	16.939	2347	2355	2358	rVV3	69911	133516	3.06%	0.268%
38	17.004	2361	2366	2372	rVB	106182	183180	4.19%	0.368%
39	17.186	2391	2397	2400	rBV2	1175416	1696943	38.84%	3.409%
40	17.227	2400	2404	2409	rVV	1866694	2478124	56.72%	4.978%
41	17.286	2409	2414	2417	rVV	1333223	1985032	45.43%	3.988%
42	17.321	2417	2420	2425	rVV	463775	602070	13.78%	1.209%
43	17.374	2425	2429	2436	rVV3	29695	67404	1.54%	0.135%
44	17.592	2461	2466	2475	rVB	172711	244120	5.59%	0.490%
45	17.768	2492	2496	2498	rBV3	44133	65021	1.49%	0.131%
46	18.074	2541	2548	2551	rBV2	274745	605020	13.85%	1.215%
47	18.109	2551	2554	2559	rVB	316918	422227	9.66%	0.848%
48	18.186	2564	2567	2573	rVB	107486	138647	3.17%	0.279%
49	18.256	2573	2579	2583	rBV2	337005	617456	14.13%	1.240%
50	18.292	2583	2585	2592	rVB	165238	188214	4.31%	0.378%
51	18.368	2595	2598	2602	rBV4	54686	65487	1.50%	0.132%
52	18.409	2602	2605	2608	rBV4	38983	47693	1.09%	0.096%
53	18.562	2627	2631	2635	rBV	156202	202383	4.63%	0.407%
54	18.609	2635	2639	2644	rVB2	141371	193308	4.42%	0.388%
55	18.980	2698	2702	2705	rBV	144237	233150	5.34%	0.468%
56	19.127	2723	2727	2732	rBV2	100167	148211	3.39%	0.298%
57	19.245	2742	2747	2753	rVB	2890005	3707366	84.85%	7.448%
58	19.356	2763	2766	2769	rVB3	116921	129281	2.96%	0.260%
59	19.580	2799	2804	2806	rBV2	1980710	2713255	62.10%	5.451%
60	19.609	2806	2809	2817	rVV	2397844	3150101	72.09%	6.328%
61	19.680	2818	2821	2826	rVB2	160117	236677	5.42%	0.475%
62	19.933	2860	2864	2870	rBV3	133821	303598	6.95%	0.610%
63	20.098	2890	2892	2898	rVB2	352750	516161	11.81%	1.037%
64	20.203	2907	2910	2914	rVB	227746	249529	5.71%	0.501%
65	20.403	2941	2944	2947	rBV	181329	226665	5.19%	0.455%
66	20.850	3018	3020	3026	rVB	259638	304757	6.97%	0.612%
67	21.362	3102	3107	3112	rBV3	2086334	4369406	100.00%	8.778%
68	21.403	3112	3114	3122	rVB	1350028	1677424	38.39%	3.370%
69	22.974	3378	3381	3386	rBV	713951	1085418	24.84%	2.180%
70	23.515	3469	3473	3477	rBV2	1260255	2091371	47.86%	4.201%
71	23.662	3494	3498	3502	rVB	866078	1355050	31.01%	2.722%

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Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

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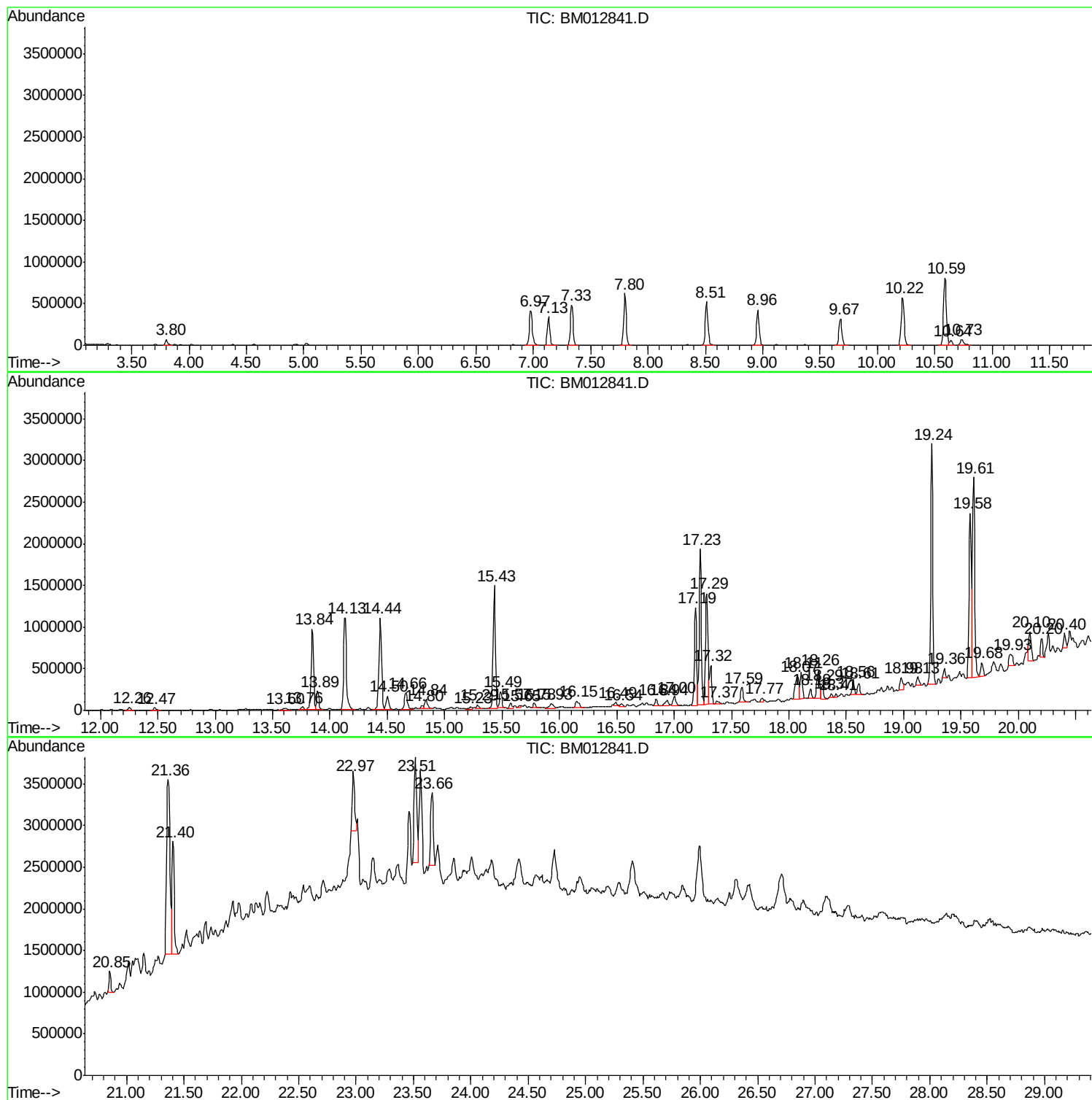
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

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



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Instrument :
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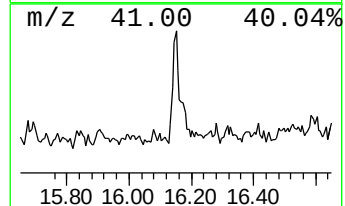
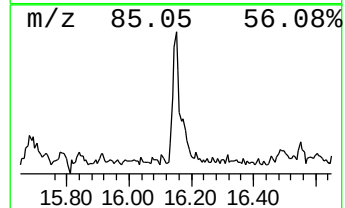
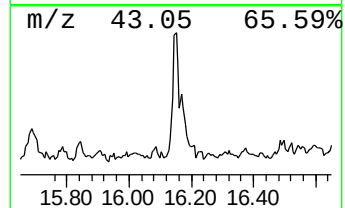
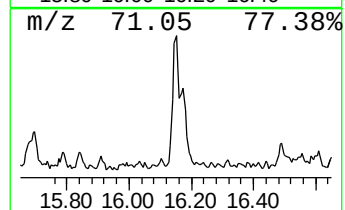
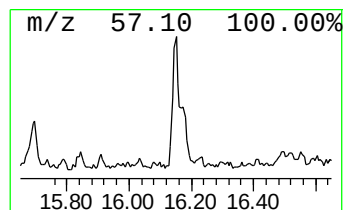
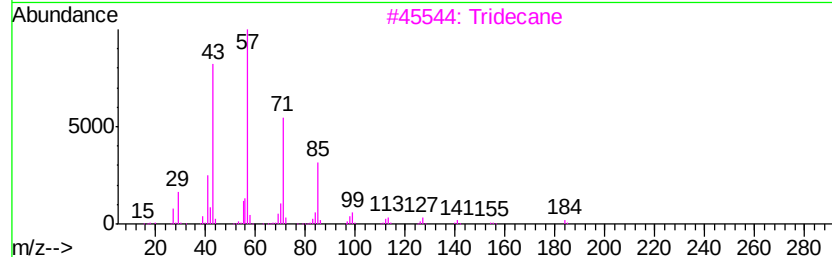
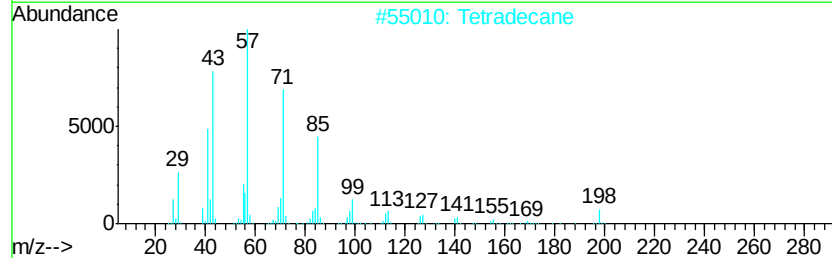
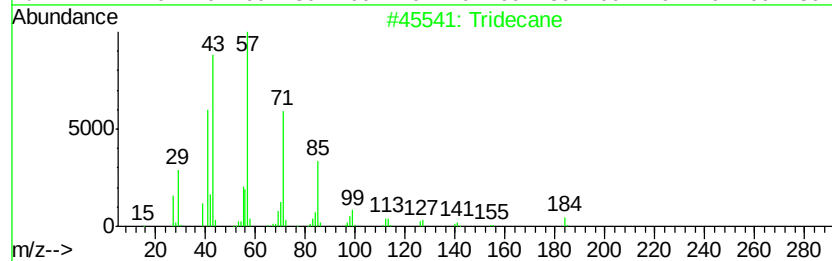
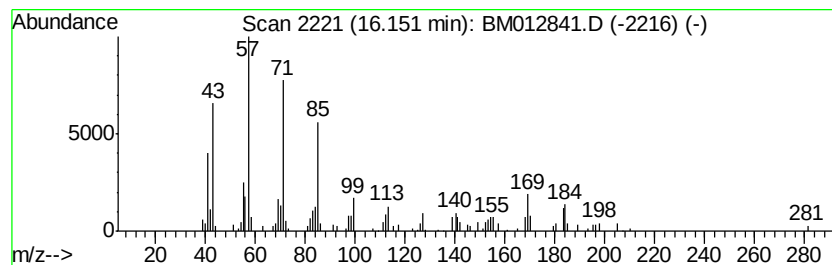
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.15	2.19 ng/ul	186027	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	95
2		Tetradecane	198	C14H30	000629-59-4	93
3		Tridecane	184	C13H28	000629-50-5	93
4		Tridecane	184	C13H28	000629-50-5	93
5		Dodecane	170	C12H26	000112-40-3	86



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Instrument :
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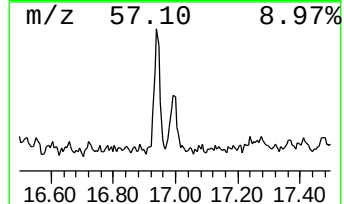
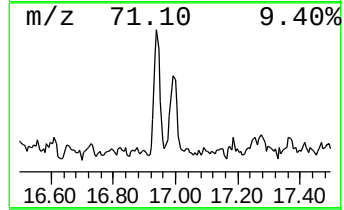
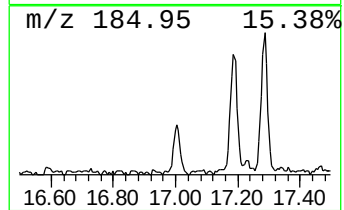
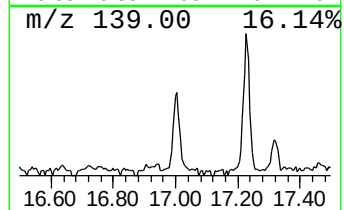
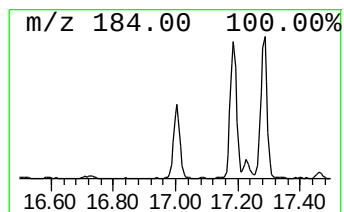
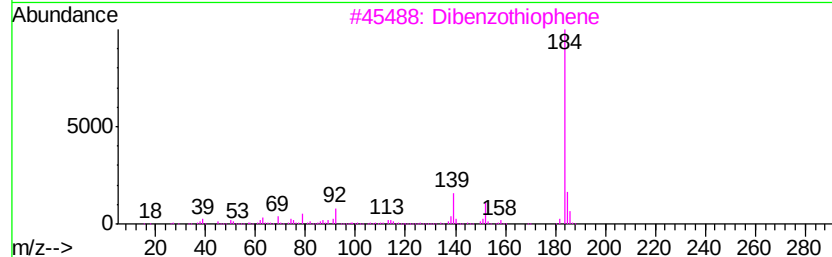
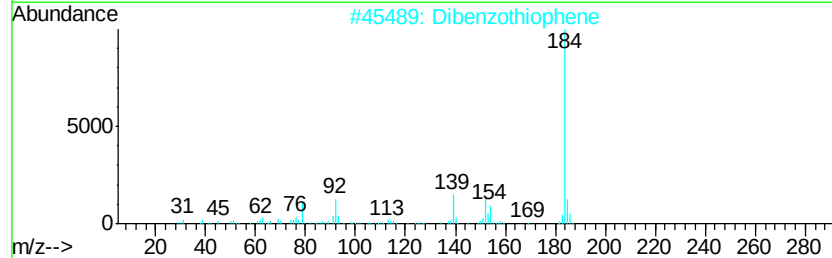
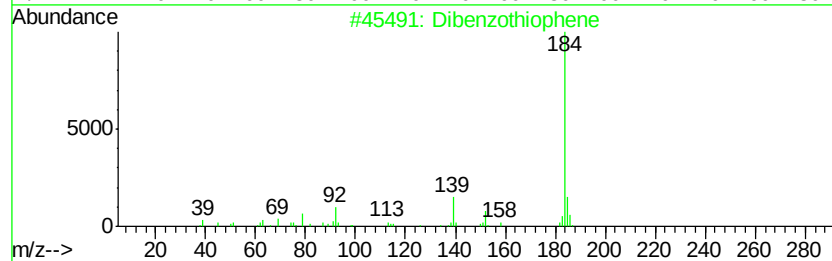
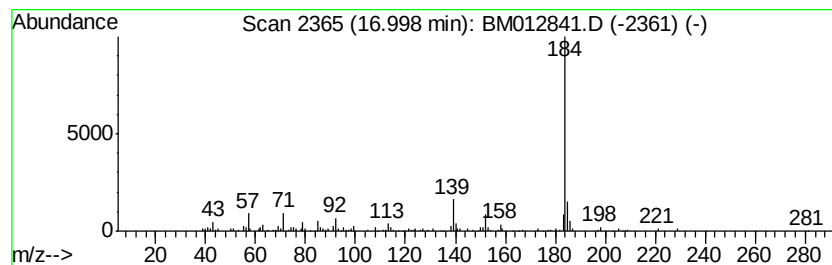
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 2 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	2.16 ng/ul	183180	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	94
2		Dibenzothiophene	184	C12H8S	000132-65-0	93
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	91



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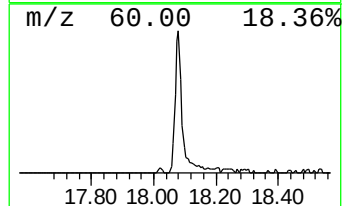
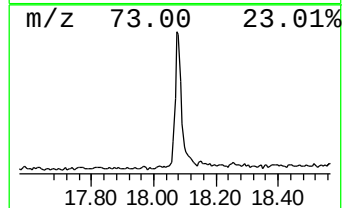
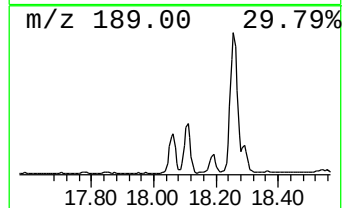
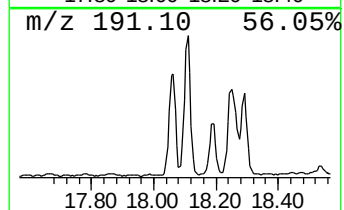
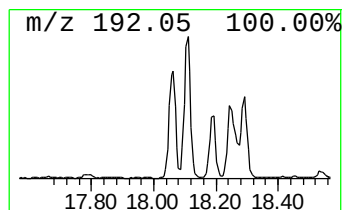
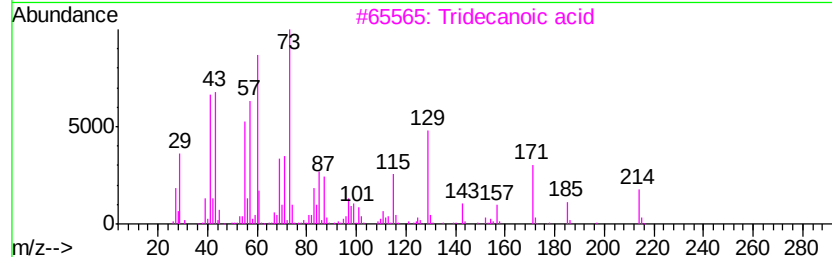
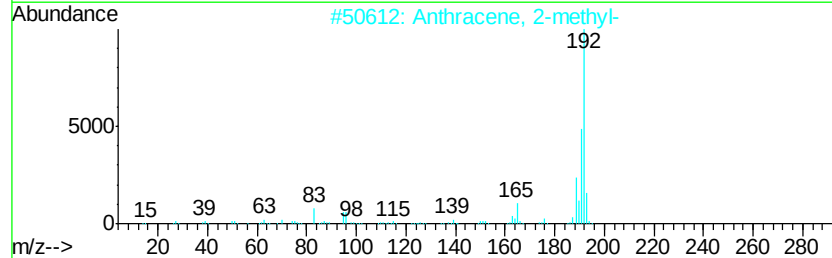
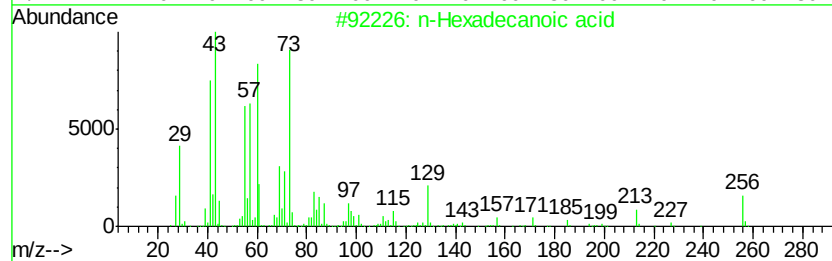
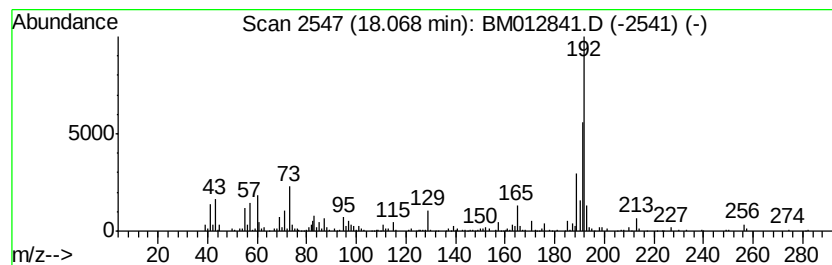
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.	
18.07	7.13 ng/ul	605020	Phenanthrene-d10		17.19	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	78
3		Tridecanoic acid	214	C13H26O2	000638-53-9	49
4		Tridecanoic acid	214	C13H26O2	000638-53-9	47
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	41



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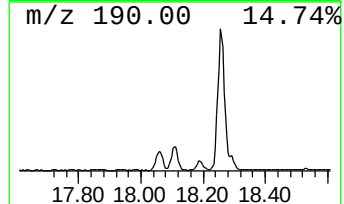
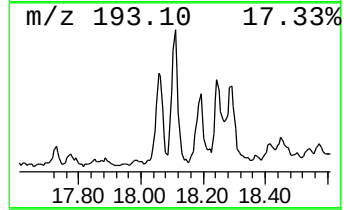
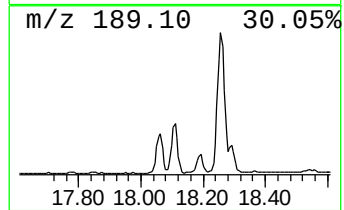
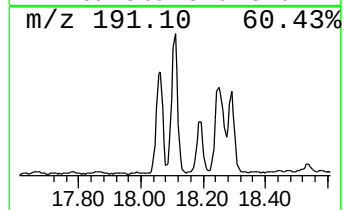
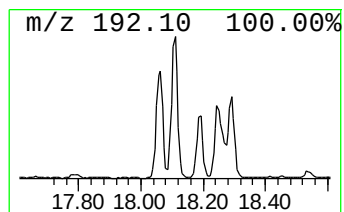
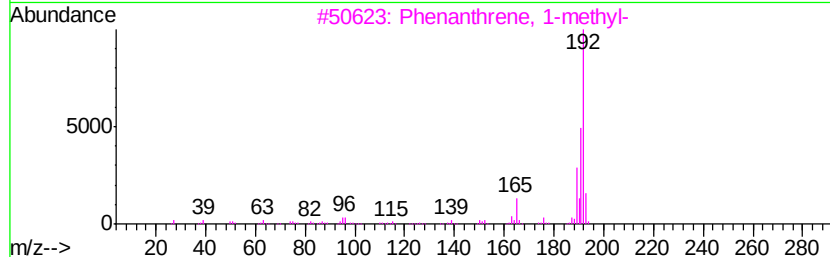
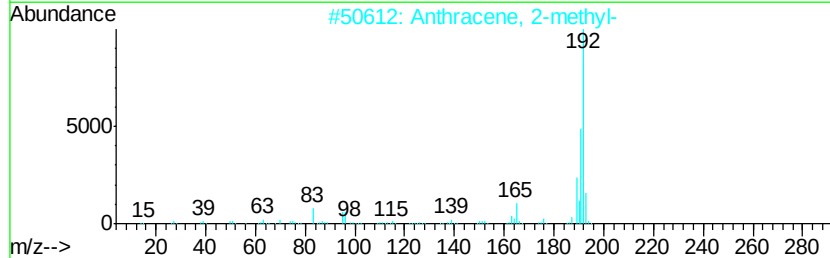
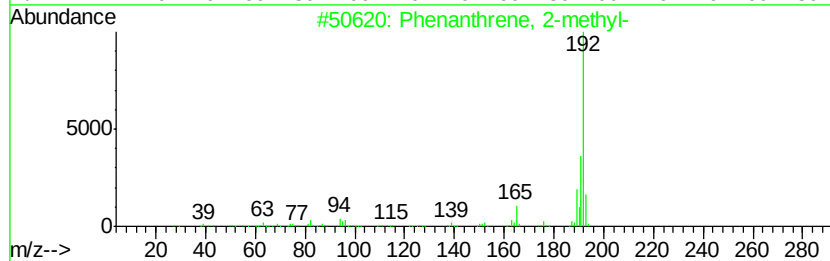
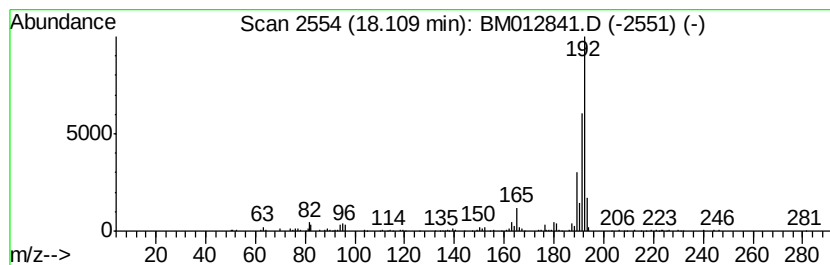
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	4.98 ng/ul	422227	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	93



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012841.D
Acq On : 09 Nov 2017 03:41
Operator : SJ/JU
Sample : I5955-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

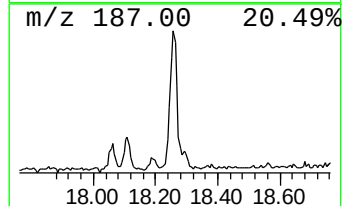
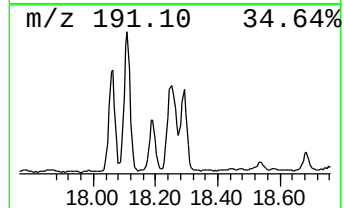
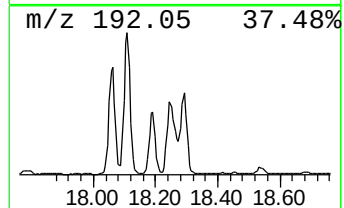
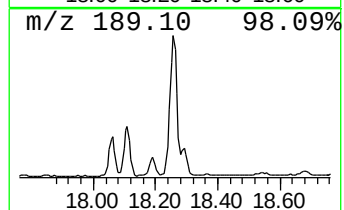
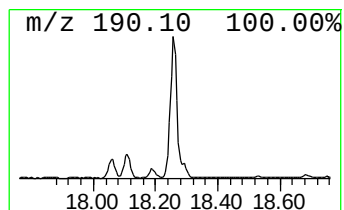
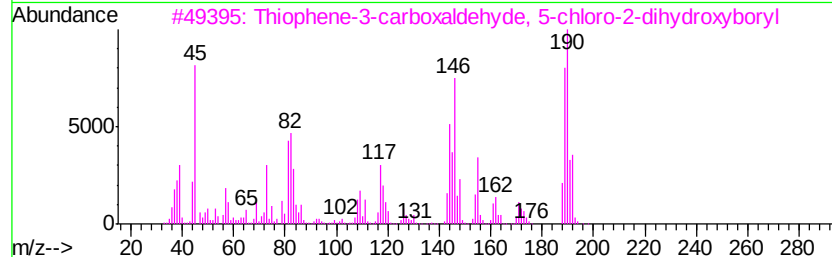
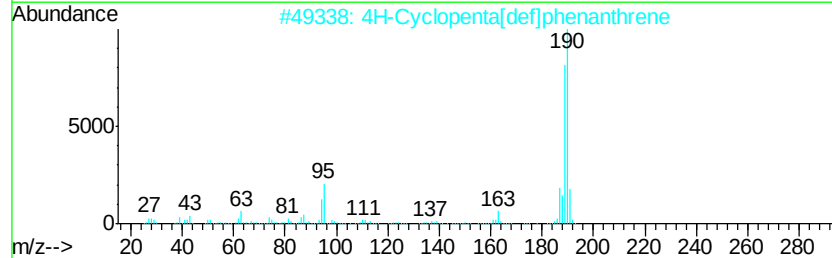
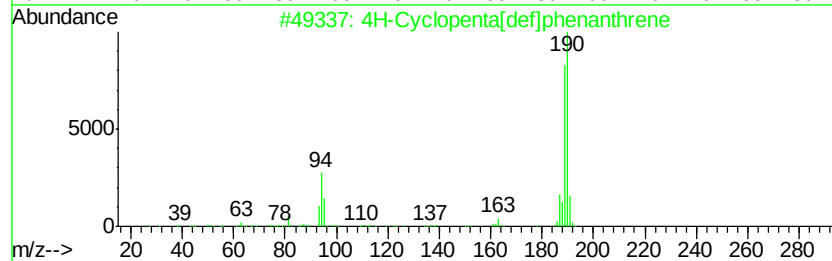
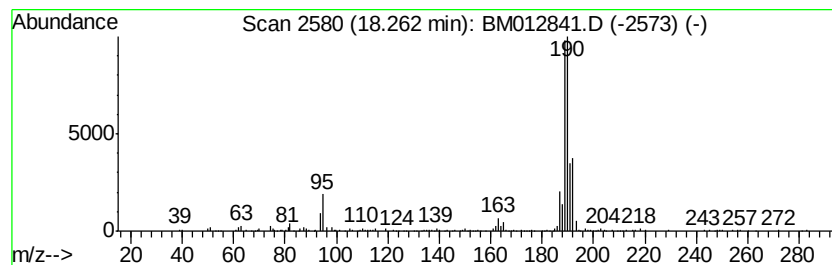
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.26	7.28 ng/ul	617456	Phenanthrene-d10	17.19		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
4		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
5		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
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Operator : SJ/JU
Sample : I5955-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

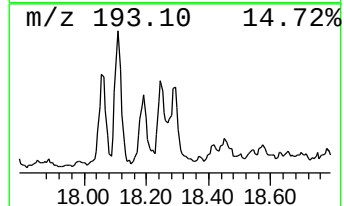
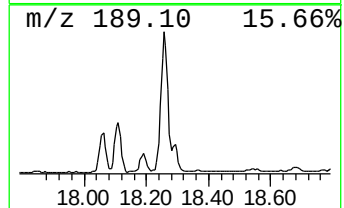
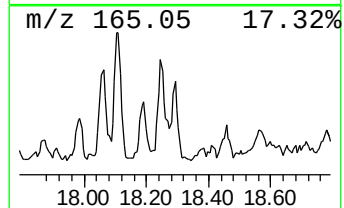
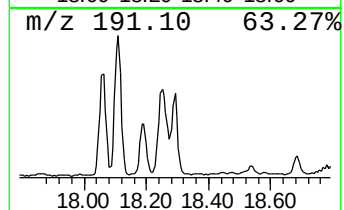
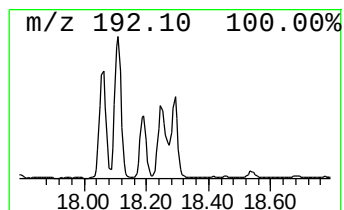
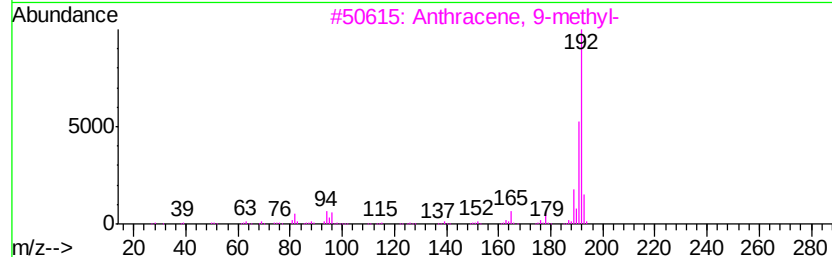
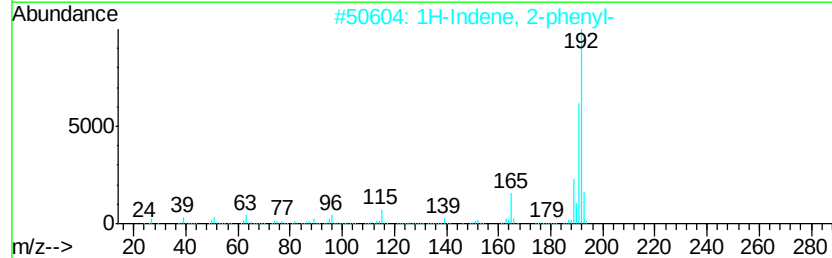
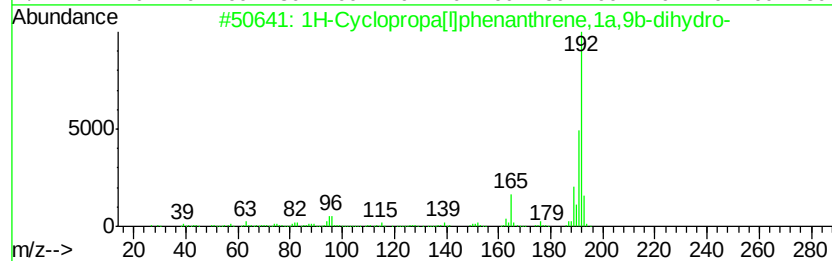
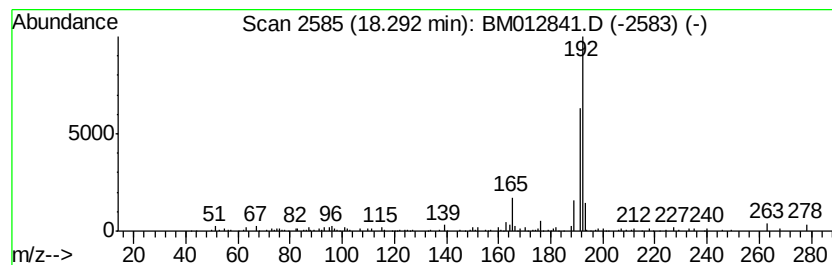
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.29	2.22 ng/ul	188214	Phenanthrene-d10	17.19		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	81
2		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	81



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012841.D
Acq On : 09 Nov 2017 03:41
Operator : SJ/JU
Sample : I5955-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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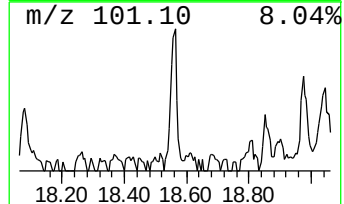
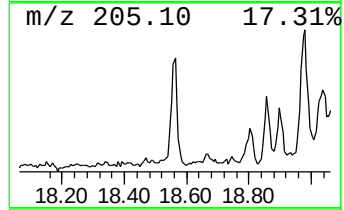
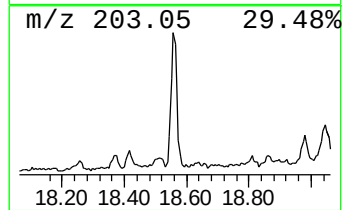
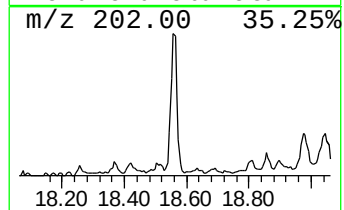
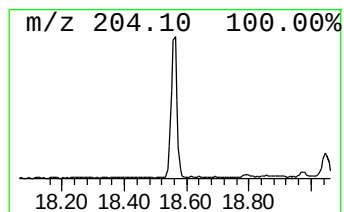
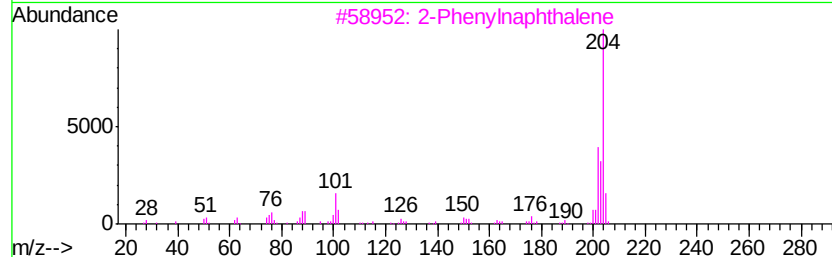
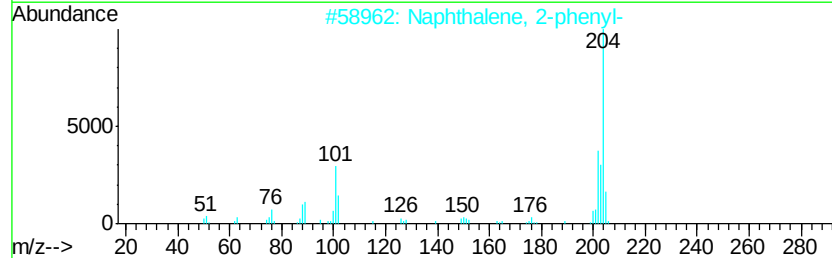
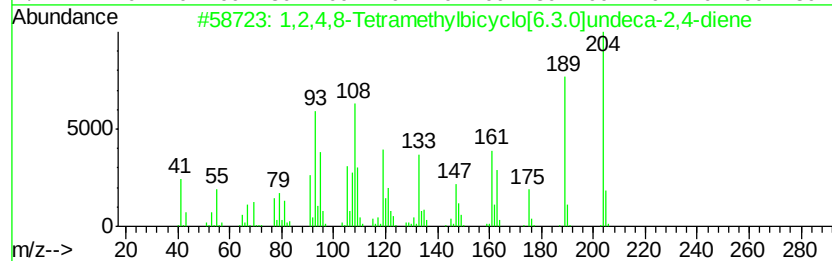
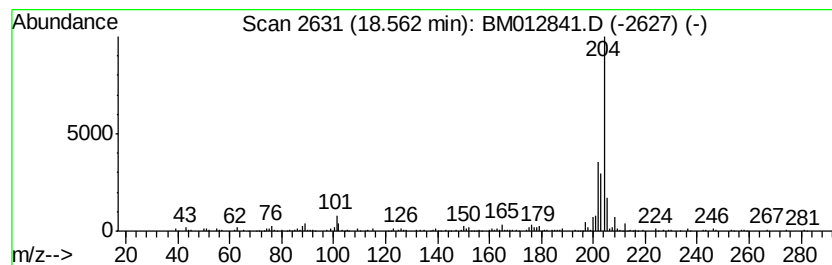
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 1,2,4,8-Tetramethylbicyclo[...] Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	2.39 ng/ul	202383	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2,4,8-Tetramethylbicyclo[6.3.0...]	204	C15H24	137235-51-9	91
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3		2-Phenylnaphthalene	204	C16H12	035465-71-5	89
4		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012841.D
Acq On : 09 Nov 2017 03:41
Operator : SJ/JU
Sample : I5955-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-14(0-1)-101717

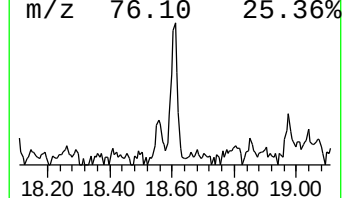
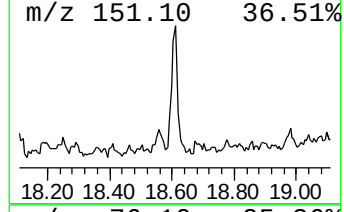
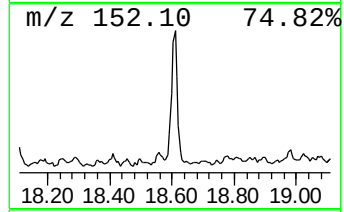
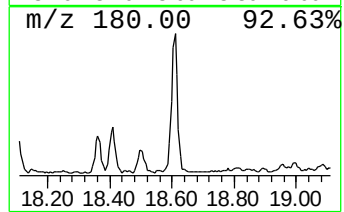
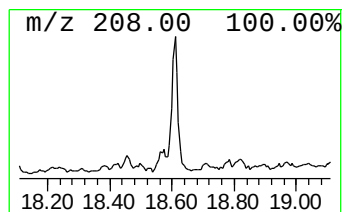
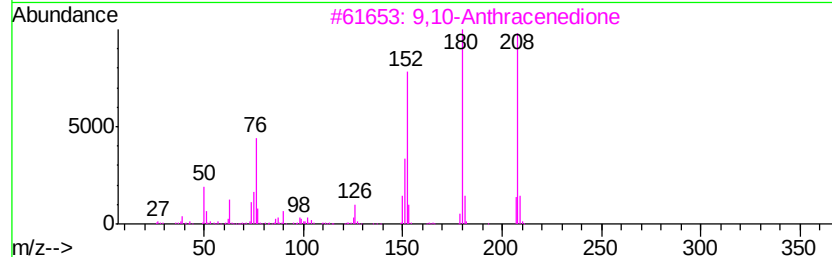
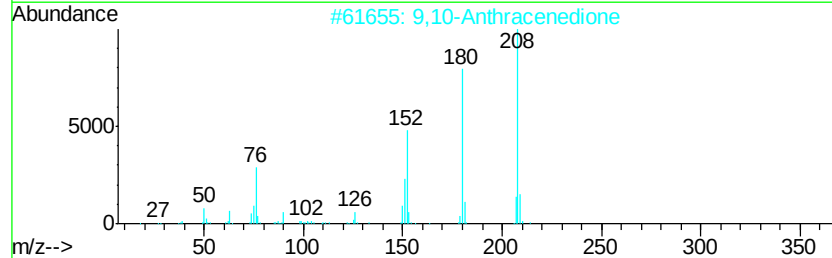
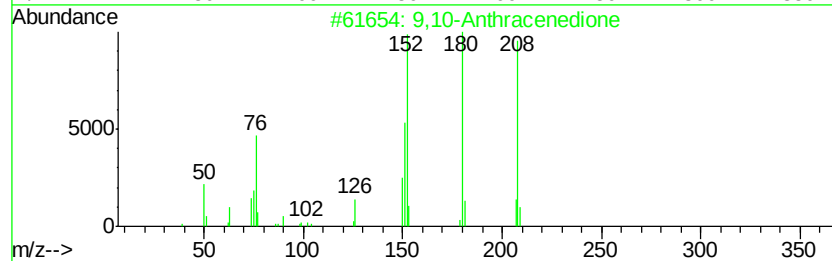
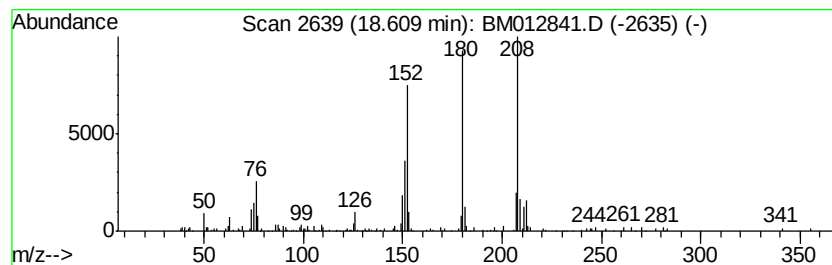
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.61	2.28 ng/ul	193308	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2		9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3		9,10-Anthracenedione	208	C14H8O2	000084-65-1	87
4		1H-Phenalen-1-one	180	C13H8O	000548-39-0	70
5		5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	64



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012841.D
Acq On : 09 Nov 2017 03:41
Operator : SJ/JU
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Misc :
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ClientSampleId :
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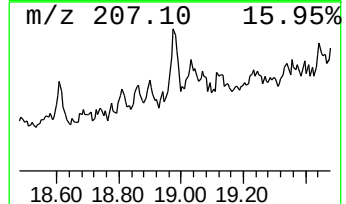
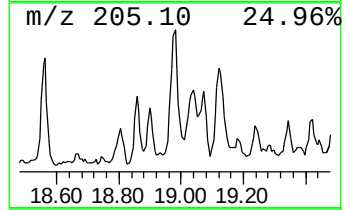
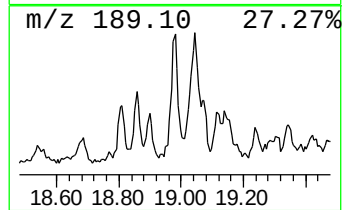
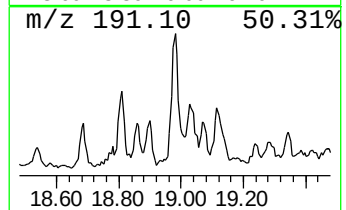
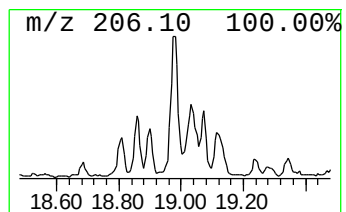
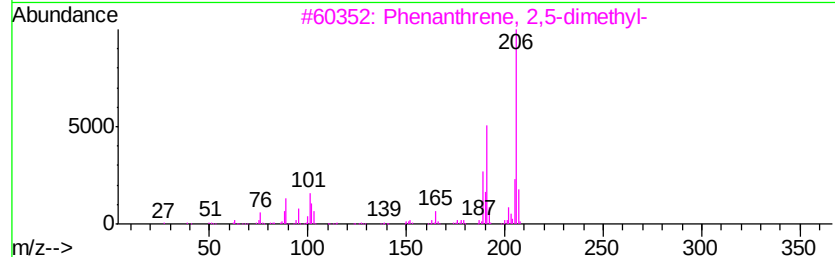
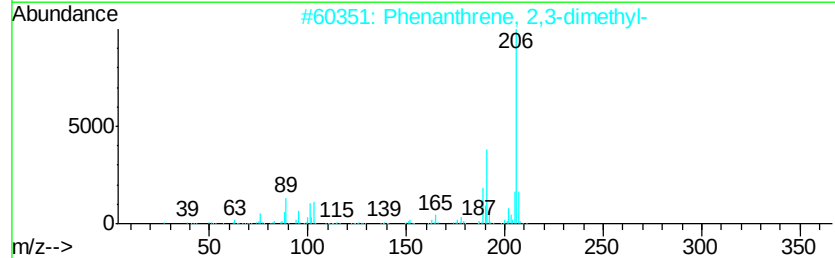
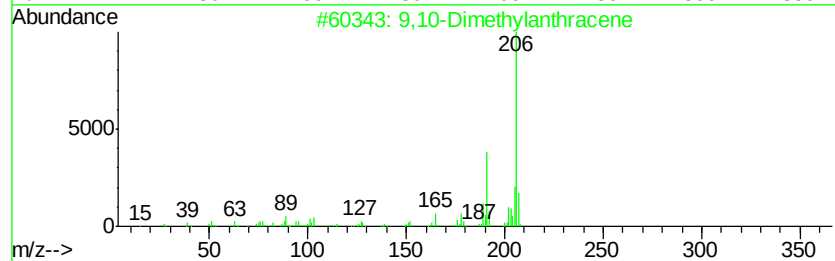
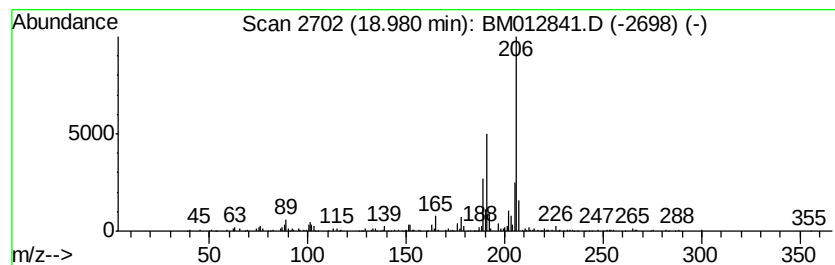
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 9,10-Dimethylantracene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.98	2.75 ng/ul	233150	Phenanthrene-d10	17.19

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylantracene			206	C16H14	000781-43-1	91
2	Phenanthrene, 2,3-dimethyl-			206	C16H14	003674-65-5	87
3	Phenanthrene, 2,5-dimethyl-			206	C16H14	003674-66-6	87
4	di-p-Tolylacetylene			206	C16H14	002789-88-0	86
5	Phenanthrene, 4,5-dimethyl-			206	C16H14	003674-69-9	83



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012841.D
Acq On : 09 Nov 2017 03:41
Operator : SJ/JU
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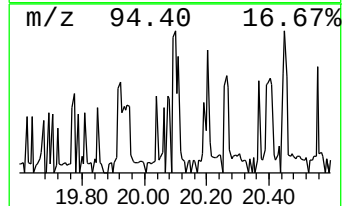
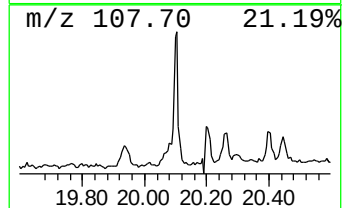
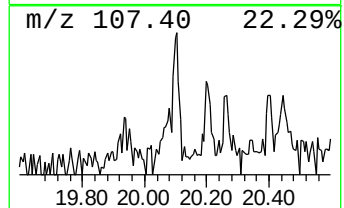
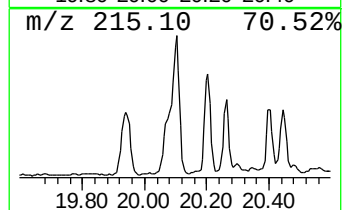
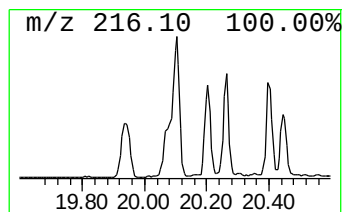
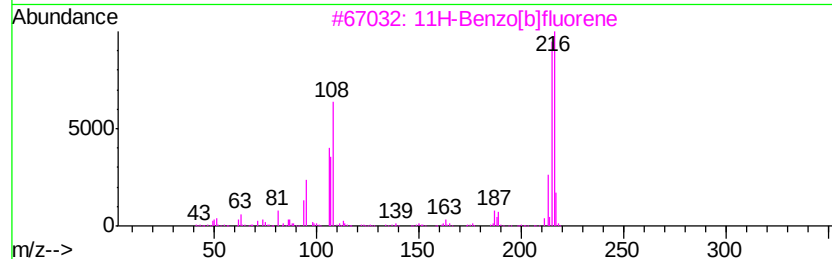
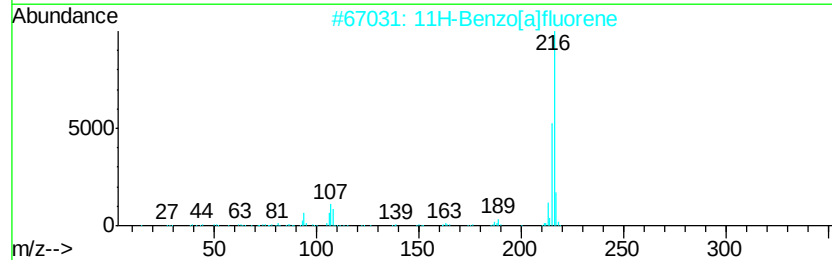
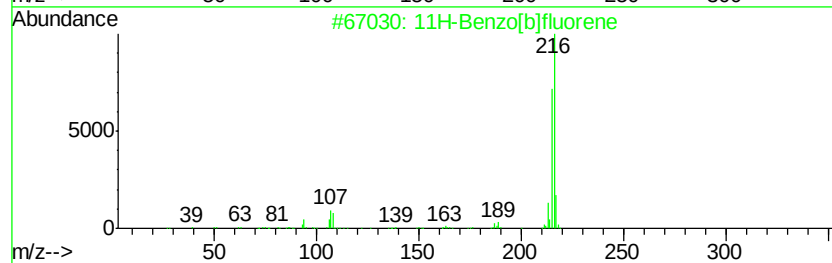
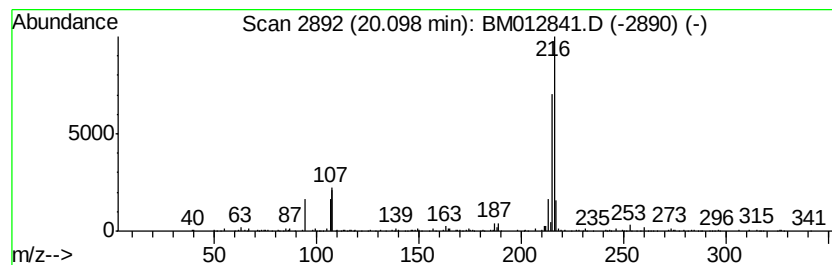
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	2.36 ng/ul	516161	Chrysene-d12	21.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012841.D
Acq On : 09 Nov 2017 03:41
Operator : SJ/JU
Sample : I5955-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-14(0-1)-101717

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.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
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Dibenzothiophene	17.00	2.2	ng/ul	183180	4	17.19	1696940	20.0
n-Hexadecanoic acid	18.07	7.1	ng/ul	605020	4	17.19	1696940	20.0
Phenanthrene, 2-m...	18.11	5.0	ng/ul	422227	4	17.19	1696940	20.0
4H-Cyclopenta[def...	18.26	7.3	ng/ul	617456	4	17.19	1696940	20.0
1H-Cyclopropa[l]p...	18.29	2.2	ng/ul	188214	4	17.19	1696940	20.0
1,2,4,8-Tetrameth...	18.56	2.4	ng/ul	202383	4	17.19	1696940	20.0
9,10-Anthracenedione	18.61	2.3	ng/ul	193308	4	17.19	1696940	20.0
9,10-Dimethylanth...	18.98	2.8	ng/ul	233150	4	17.19	1696940	20.0
11H-Benzo[b]fluorene	20.10	2.4	ng/ul	516161	5	21.37	4369410	20.0