

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030118\
 Data File : BM014445.D
 Acq On : 01 Mar 2018 22:35
 Operator : SJ/JU
 Sample : J1678-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5W1

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	6.722	629	635	648	rVB	317166	622602	4.08%	0.616%
2	6.863	653	659	669	rBV	224434	368712	2.42%	0.365%
3	7.051	685	691	700	rBV	345674	600978	3.94%	0.595%
4	7.510	763	769	775	rBV	261027	412992	2.71%	0.409%
5	8.245	886	894	908	rBV	428767	827029	5.42%	0.818%
6	8.675	960	967	979	rBV	349983	664068	4.35%	0.657%
7	9.387	1078	1088	1100	rBV	336105	623841	4.09%	0.617%
8	9.934	1173	1181	1199	rBV	460353	1001923	6.57%	0.991%
9	10.281	1230	1240	1245	rBV	417335	721915	4.73%	0.714%
10	10.451	1263	1269	1281	rBV3	94831	231277	1.52%	0.229%
11	13.592	1798	1803	1808	rBV	1071009	1481874	9.71%	1.466%
12	13.639	1808	1811	1816	rVB	198491	281730	1.85%	0.279%
13	13.863	1839	1849	1862	rBV2	1353799	2458662	16.12%	2.433%
14	14.174	1895	1902	1908	rBV2	749318	1205987	7.91%	1.193%
15	14.233	1908	1912	1920	rVB	298702	450556	2.95%	0.446%
16	14.345	1924	1931	1936	rBV3	123196	207626	1.36%	0.205%
17	14.457	1945	1950	1965	rBV2	349970	933503	6.12%	0.924%
18	14.580	1966	1971	1977	rVV	172920	274270	1.80%	0.271%
19	15.180	2067	2073	2078	rBV	1728920	2474578	16.22%	2.449%
20	15.233	2078	2082	2092	rVB	354563	538813	3.53%	0.533%
21	15.351	2095	2102	2107	rBV5	148677	284486	1.86%	0.282%
22	15.680	2154	2158	2165	rVB2	101277	197462	1.29%	0.195%
23	16.221	2244	2250	2258	rBV	1822538	2736197	17.94%	2.708%
24	16.510	2296	2299	2303	rVB4	142717	182080	1.19%	0.180%
25	16.604	2310	2315	2319	rBV	236591	338828	2.22%	0.335%
26	16.757	2336	2341	2349	rVB	261733	430542	2.82%	0.426%
27	16.939	2367	2372	2375	rBV	1152795	1669778	10.95%	1.652%
28	16.980	2375	2379	2384	rVV	5507331	7399068	48.50%	7.322%
29	17.039	2384	2389	2392	rVV	2315480	3311628	21.71%	3.277%
30	17.068	2392	2394	2399	rVB	1229441	1539895	10.09%	1.524%
31	17.357	2439	2443	2450	rVB	446814	688224	4.51%	0.681%
32	17.815	2517	2521	2524	rBV	614309	848263	5.56%	0.839%
33	17.857	2524	2528	2530	rBV2	1850163	2470585	16.20%	2.445%
34	17.886	2530	2533	2536	rVV	3063300	4607506	30.20%	4.559%

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Integrator: RTE
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Stop Thrs : 0 Peak Location: TOP

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35	17.915	2536	2538	2542	rVB	4029335	4121702	27.02%	4.079%
36	18.010	2549	2554	2558	rBV2	1083382	1894519	12.42%	1.875%
37	18.321	2604	2607	2611	rBV	438220	555558	3.64%	0.550%
38	18.380	2614	2617	2623	rVB	709771	1012521	6.64%	1.002%
39	19.021	2720	2726	2731	rBV	11541913	15255104	100.00%	15.096%
40	19.151	2745	2748	2757	rVB4	776488	1235729	8.10%	1.223%
41	19.357	2778	2783	2785	rBV2	4312106	6518314	42.73%	6.450%
42	19.386	2785	2788	2795	rVB	9208808	11791220	77.29%	11.668%
43	21.156	3085	3089	3094	rBV3	5412387	9686238	63.50%	9.585%
44	21.209	3095	3098	3103	rVB	4958851	5895867	38.65%	5.834%

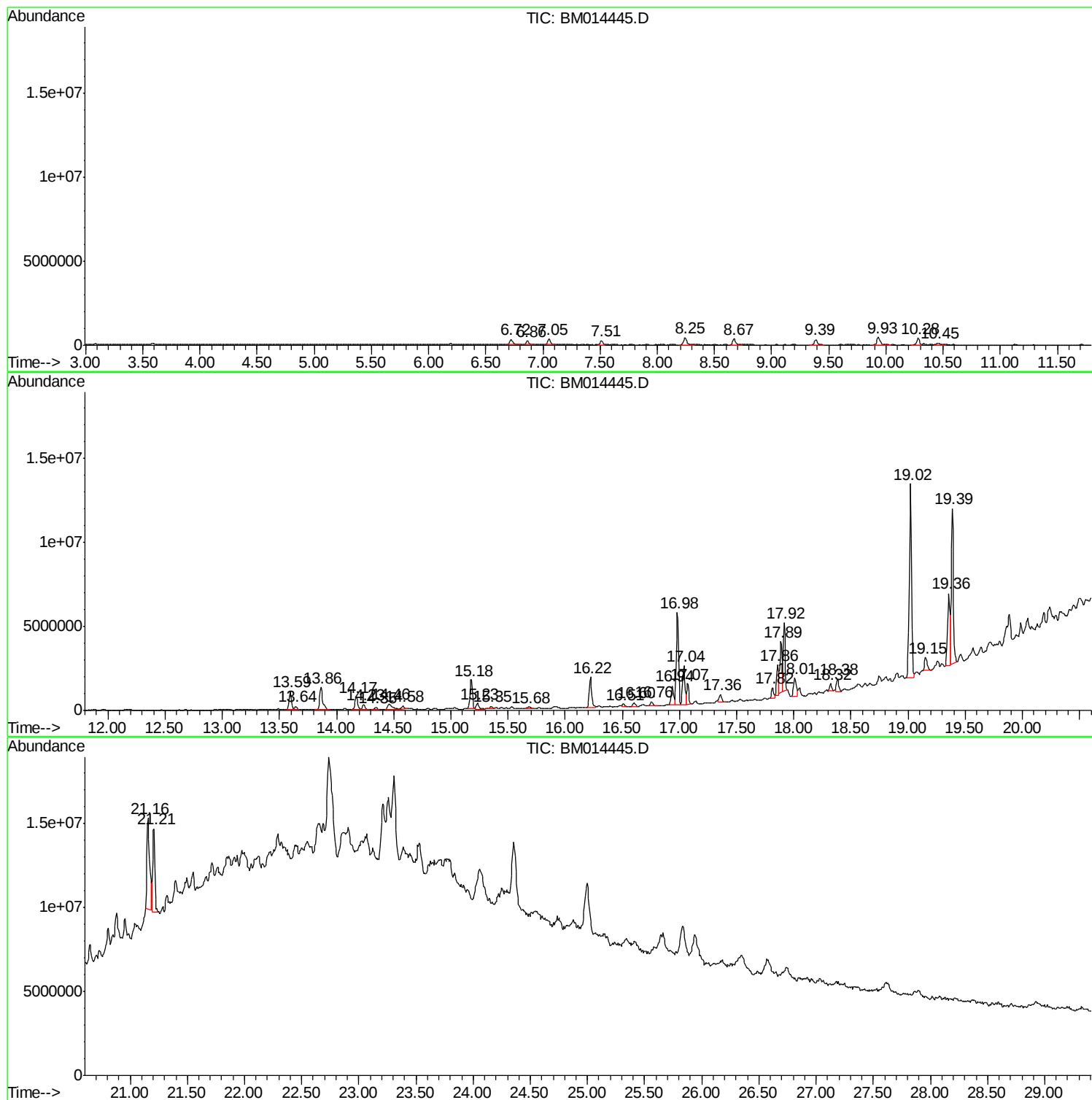
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Quant Title : SVOA CALIBRATION

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



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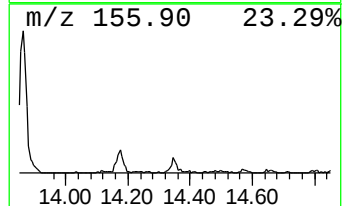
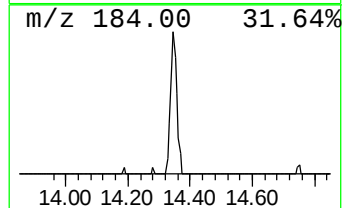
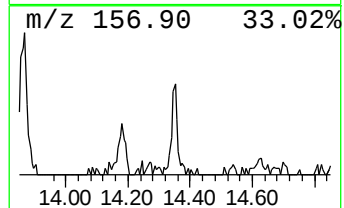
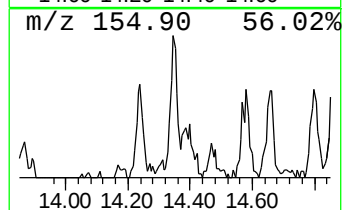
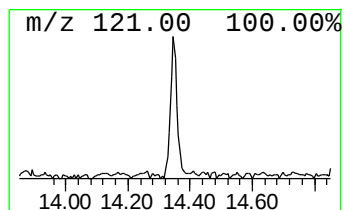
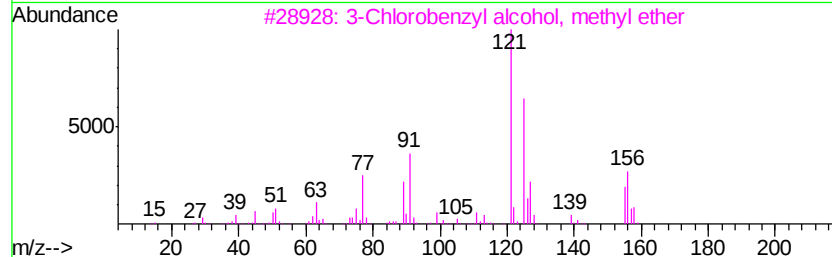
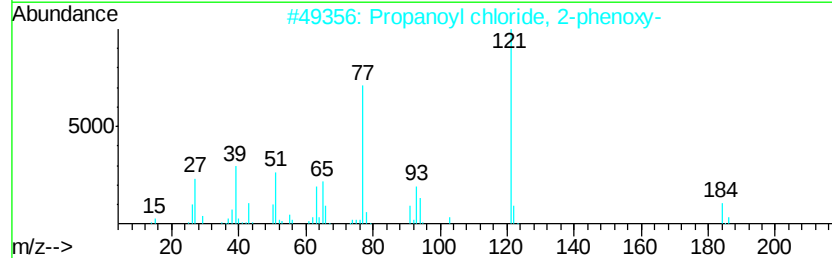
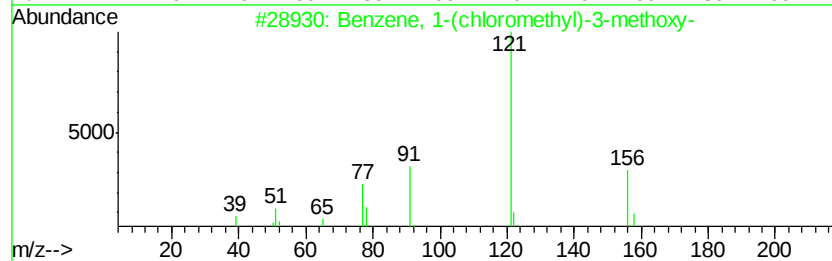
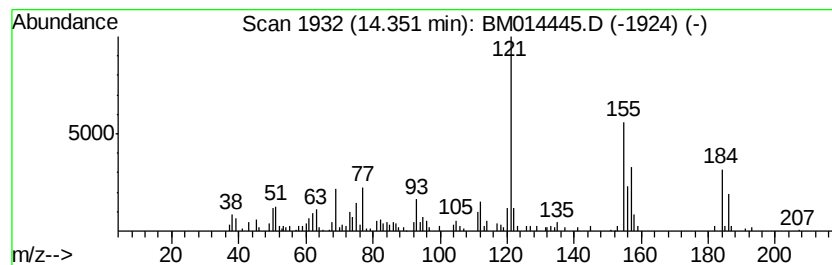
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Quant Title : SVOA CALIBRATION

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

Peak Number 1 unknown-01 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	3.44 ng/ul	207626	Acenaphthene-d10	14.17
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-(chloromethyl)-3-meth...	156 C8H9ClO	000824-98-6 49
2		Propanoyl chloride, 2-phenoxy-	184 C9H9ClO2	000122-35-0 47
3		3-Chlorobenzyl alcohol, methyl e...	156 C8H9ClO	1000364-24-3 47
4		Benzenemethanol, 4-methyl-.alpha...	176 C12H16O	083173-76-6 35
5		Benzenamine, 3,5-dimethyl-	121 C8H11N	000108-69-0 35



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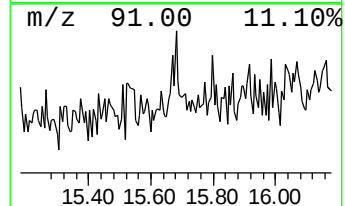
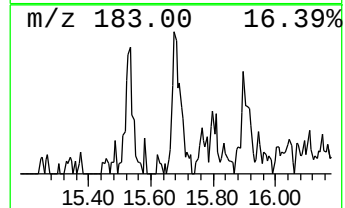
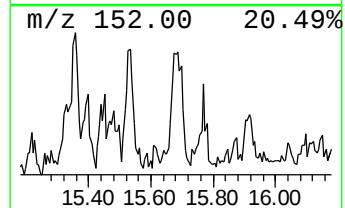
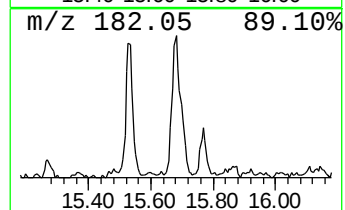
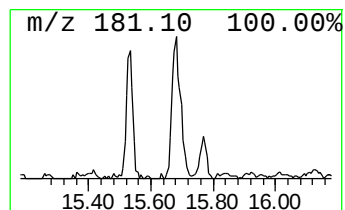
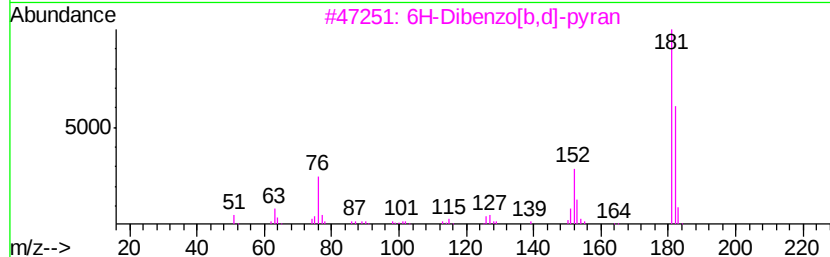
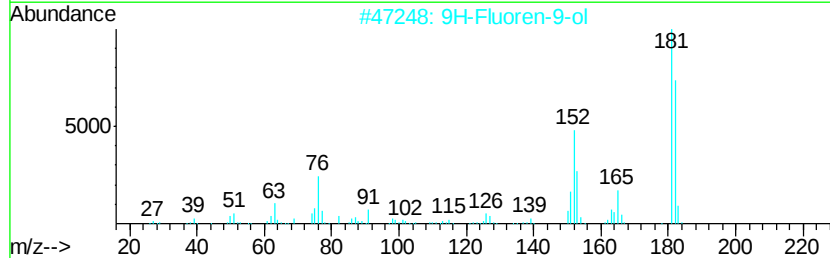
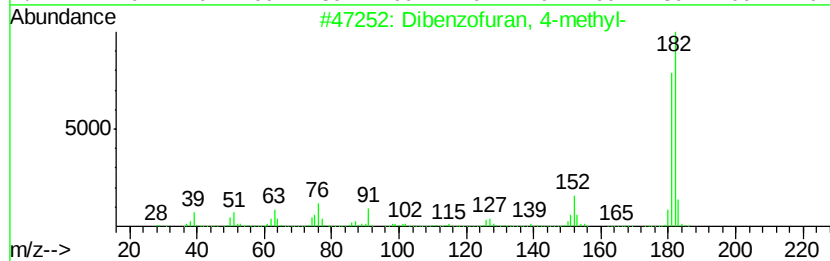
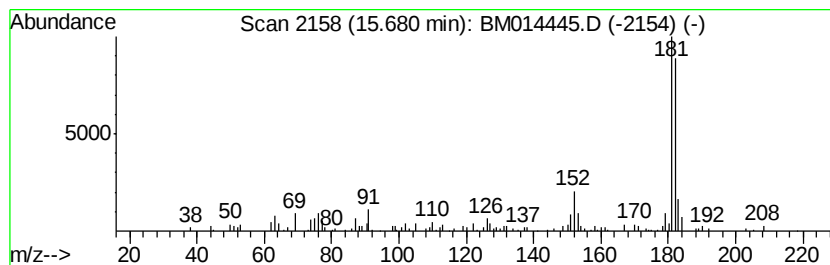
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Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	2.37 ng/ul	197462	Phenanthrene-d10	16.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
3		6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	78
4		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5		3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	64



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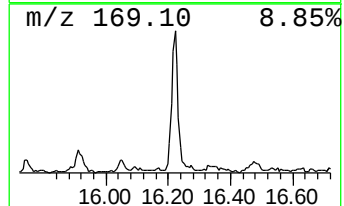
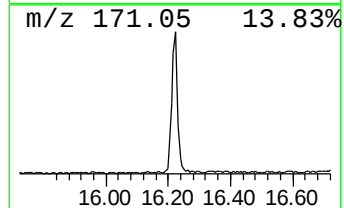
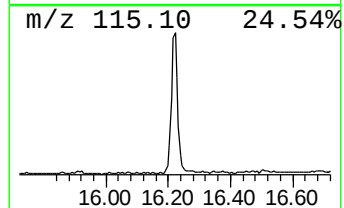
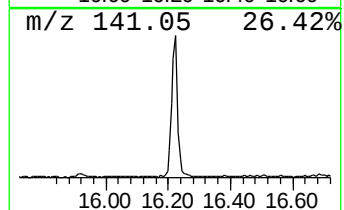
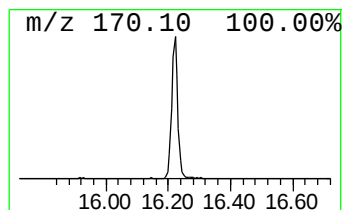
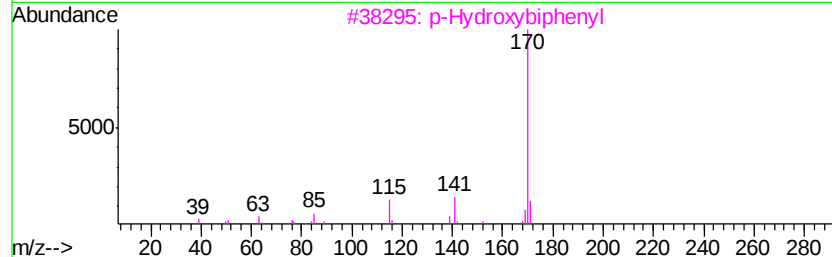
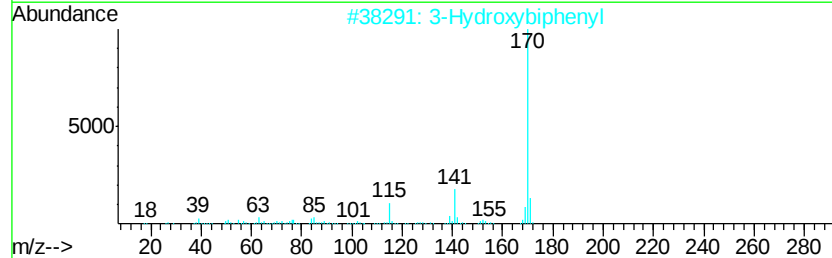
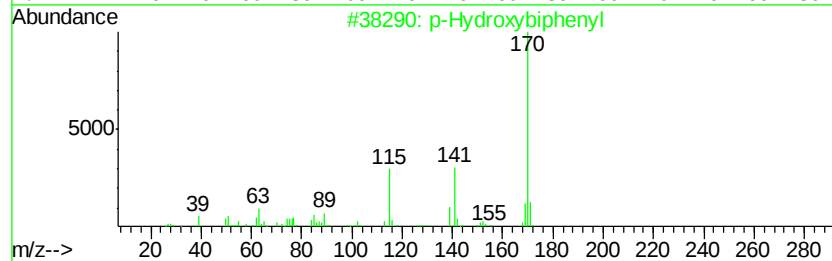
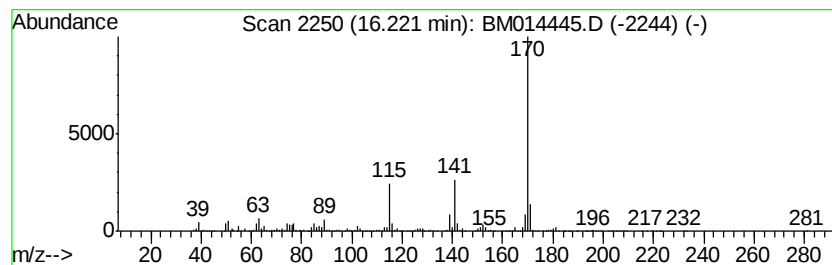
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

Peak Number 3 p-Hydroxybiphenyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.22	32.77 ng/ul	2736200	Phenanthrene-d10	16.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	95
2		3-Hydroxybiphenyl	170	C12H10O	000580-51-8	94
3		p-Hydroxybiphenyl	170	C12H10O	000092-69-3	94
4		p-Hydroxybiphenyl	170	C12H10O	000092-69-3	93
5		3-Hydroxybiphenyl	170	C12H10O	000580-51-8	90



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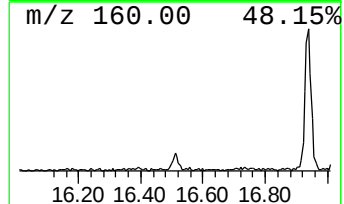
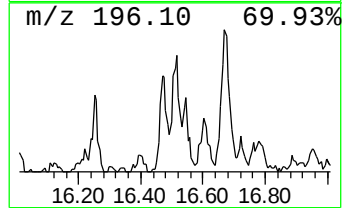
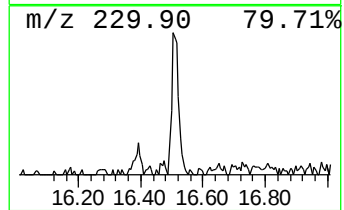
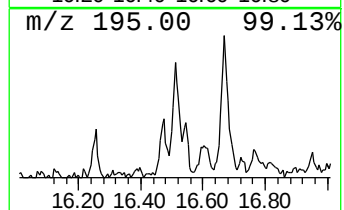
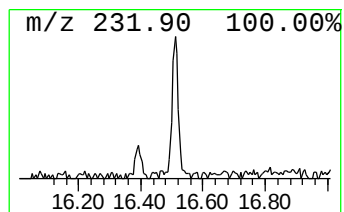
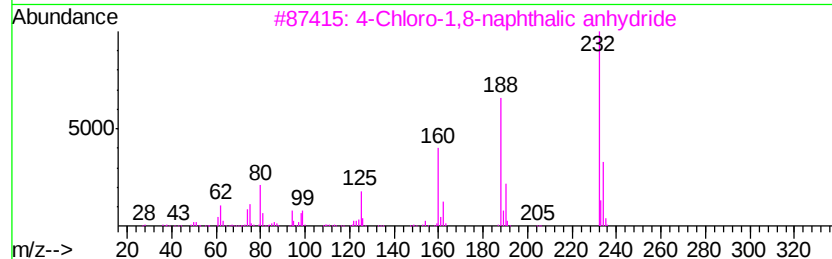
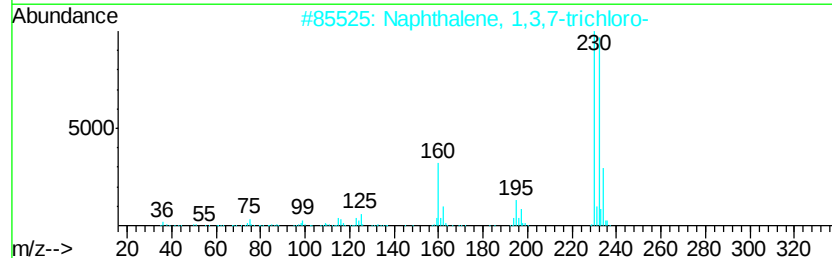
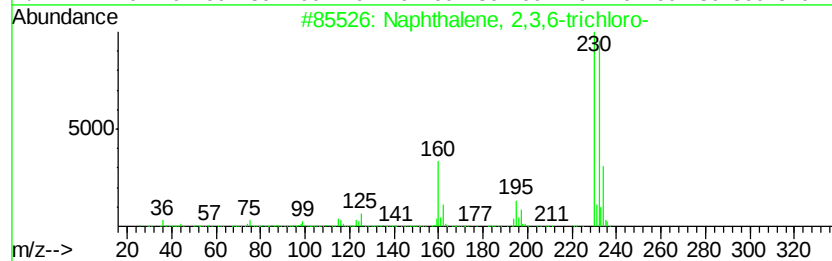
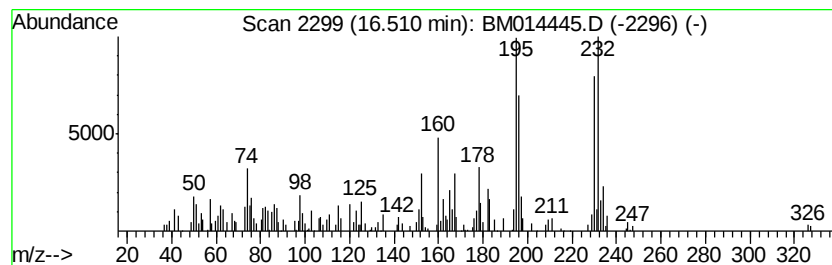
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 4 Naphthalene, 2,3,6-trichloro- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.51	2.18 ng/ul	182080	Phenanthrene-d10	16.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,6-trichloro-	230	C10H5Cl3	055720-40-6	50
2		Naphthalene, 1,3,7-trichloro-	230	C10H5Cl3	055720-37-1	43
3		4-Chloro-1,8-naphthalic anhydride	232	C12H5ClO3	004053-08-1	42
4		Phenol, 2,3,4,5-tetrachloro-	230	C6H2Cl4O	004901-51-3	38
5		2,4,5,6-Tetrachloro-pyridin-3-yl...	230	C5H2Cl4N2	1000277-70-7	38



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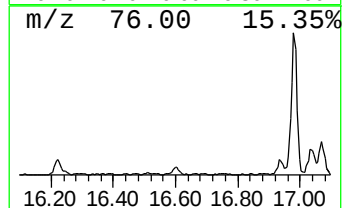
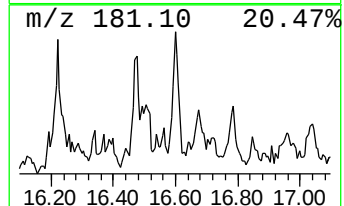
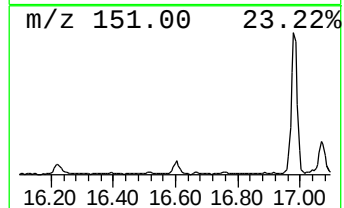
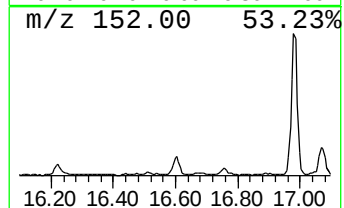
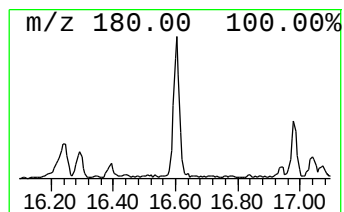
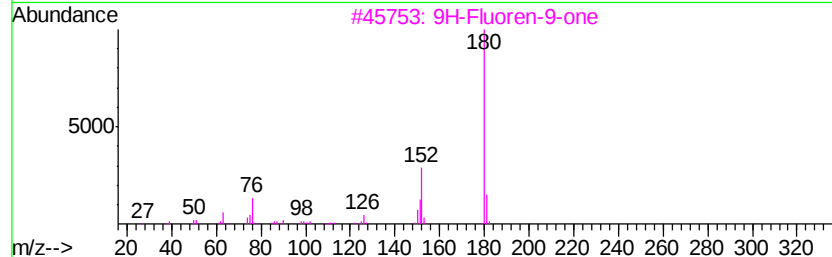
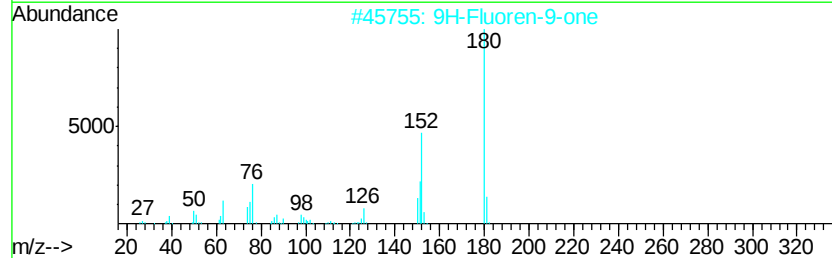
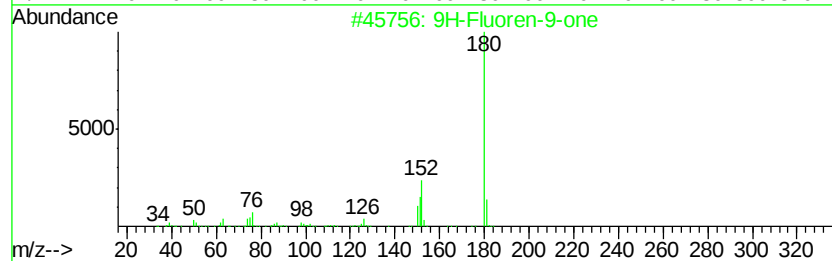
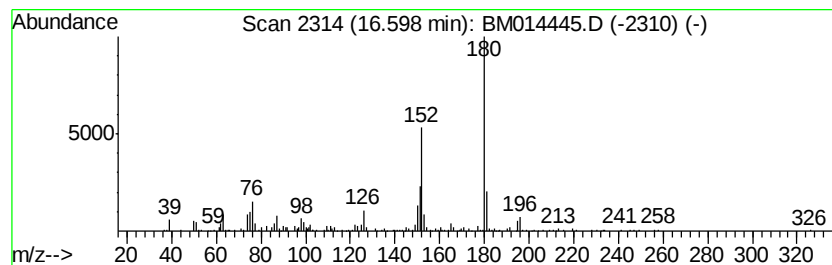
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Peak Number 5 9H-Fluoren-9-one Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	4.06 ng/ul	338828	Phenanthrene-d10	16.94

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one		180	C13H8O	000486-25-9	97
2	9H-Fluoren-9-one		180	C13H8O	000486-25-9	91
3	9H-Fluoren-9-one		180	C13H8O	000486-25-9	87
4	Benzo[h]cinnoline		180	C12H8N2	000230-31-9	87
5	9,10-Phenanthrenedione		208	C14H8O2	000084-11-7	64



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Operator : SJ/JU
Sample : J1678-11
Misc :
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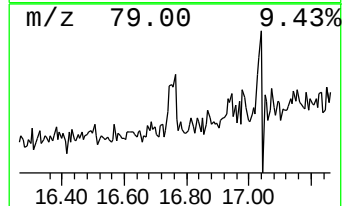
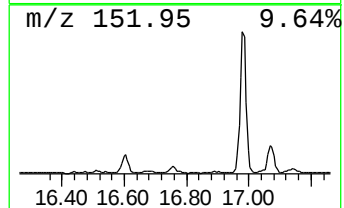
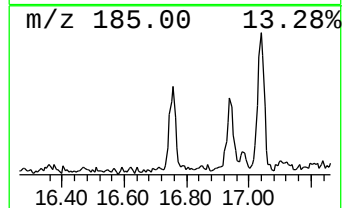
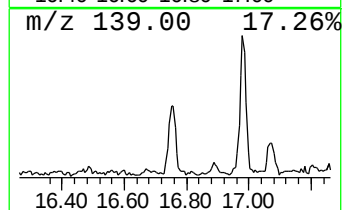
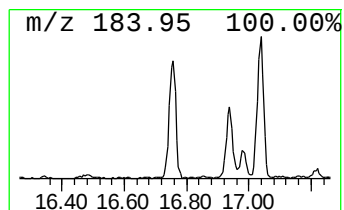
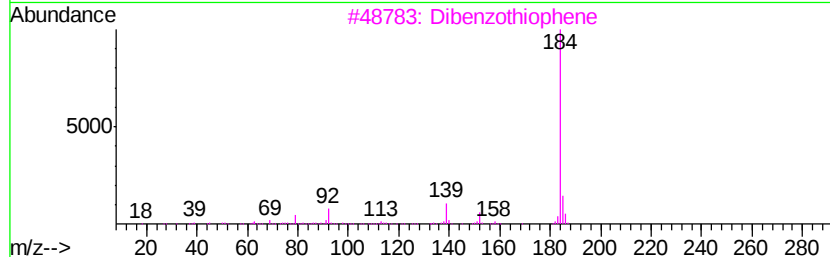
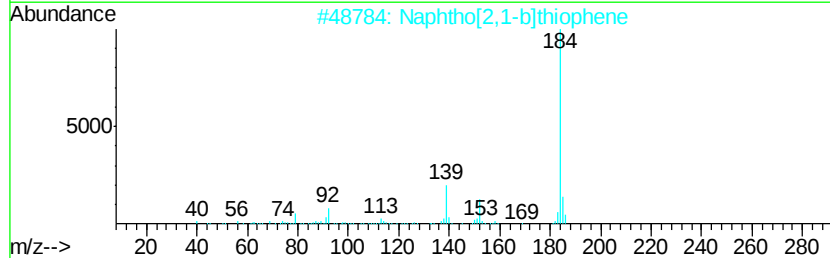
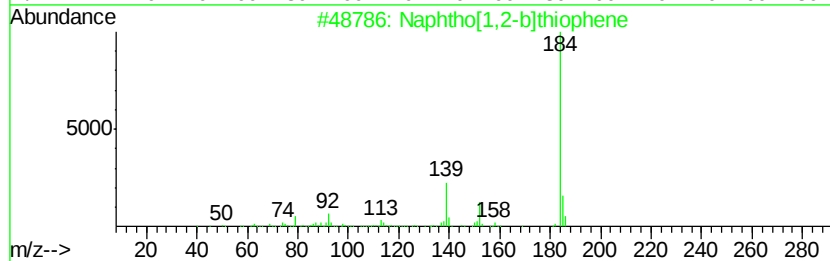
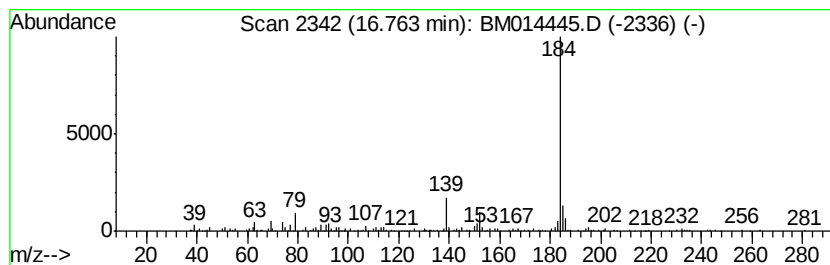
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Naphtho[1,2-b]thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.76	5.16 ng/ul	430542	Phenanthrene-d10	16.94		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
3		Dibenzothiophene	184	C12H8S	000132-65-0	93
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5		Dibenzothiophene	184	C12H8S	000132-65-0	93



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ClientSampleId :
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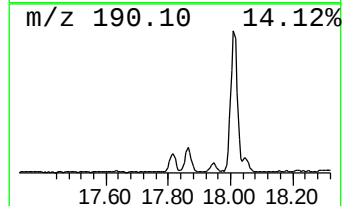
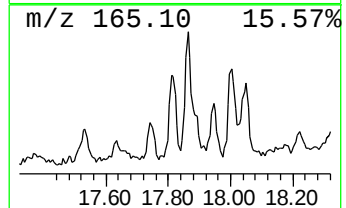
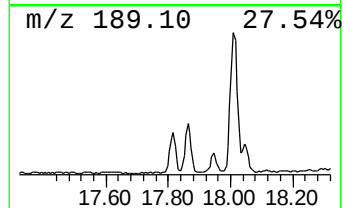
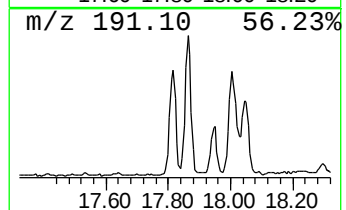
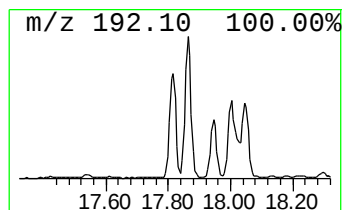
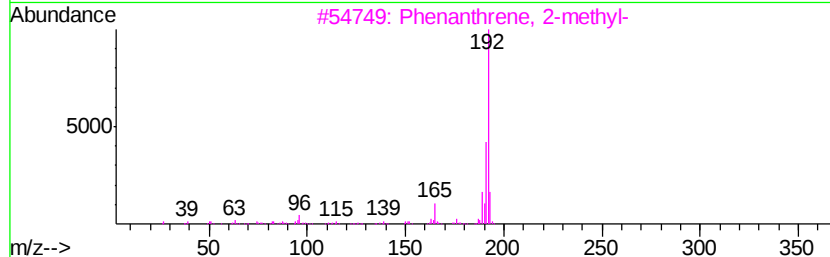
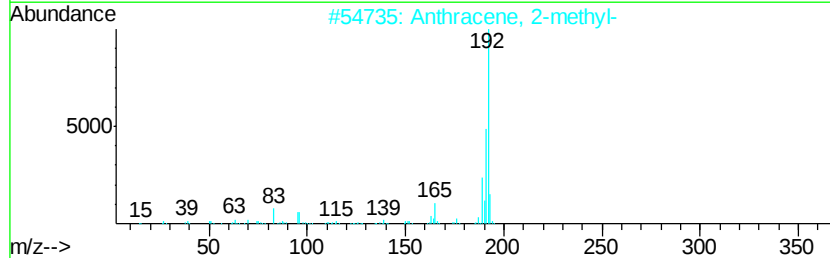
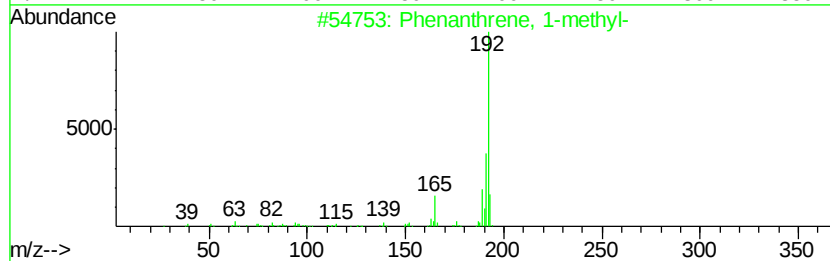
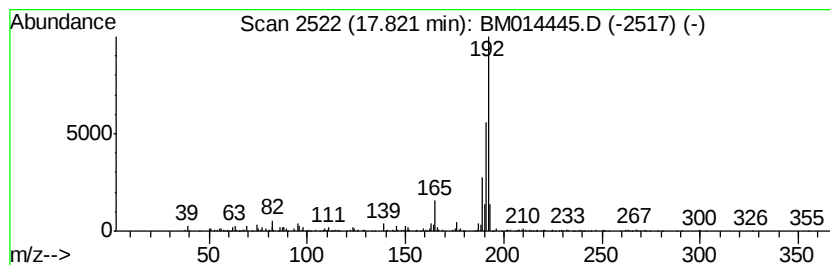
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	10.16 ng/ul	848263	Phenanthrene-d10	16.94

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93



Data Path : Z:\HPCHEM1\BNA M\DATA\BM030118\
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Operator : SJ/JU
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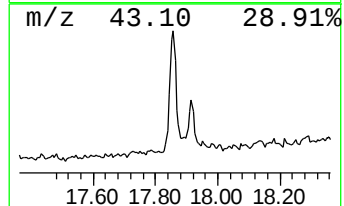
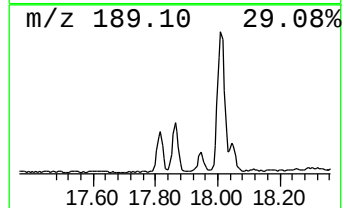
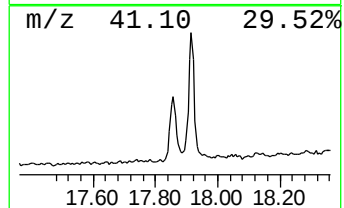
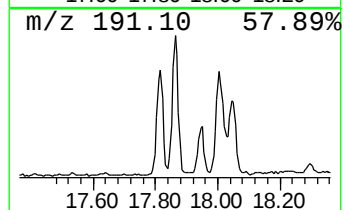
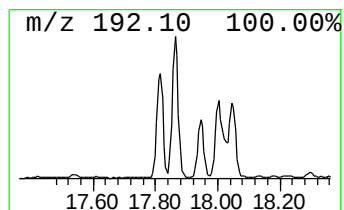
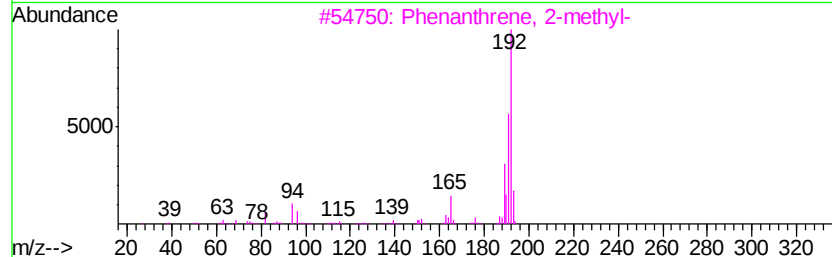
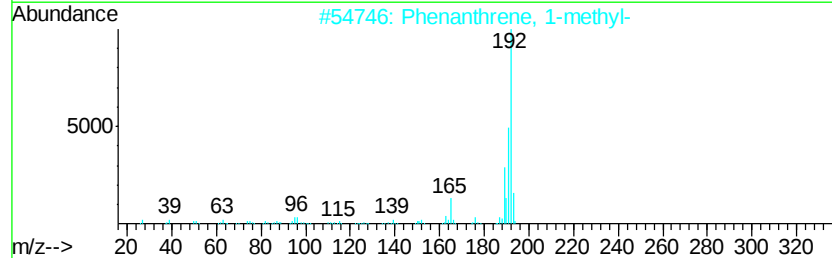
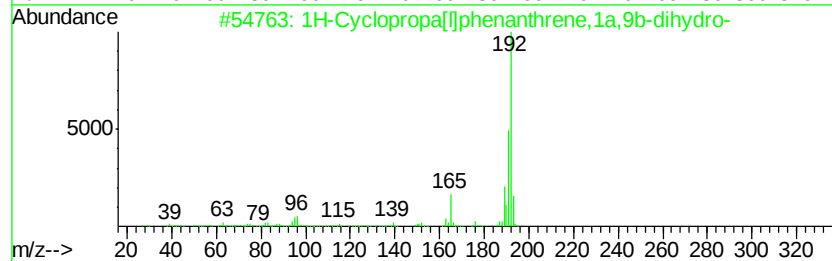
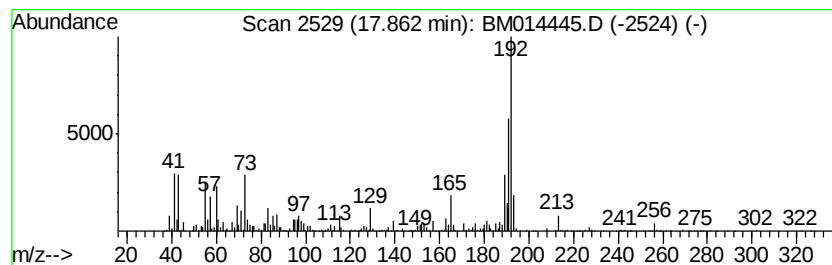
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.86	29.59 ng/ul	2470590	Phenanthrene-d10	16.94		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	97
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90



Data Path : Z:\HPCHEM1\BNA M\DATA\BM030118\
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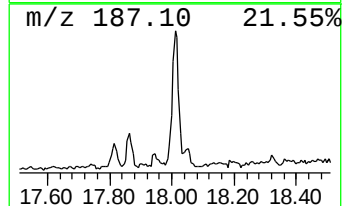
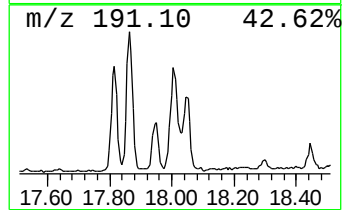
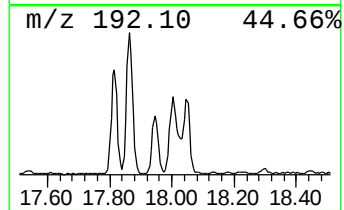
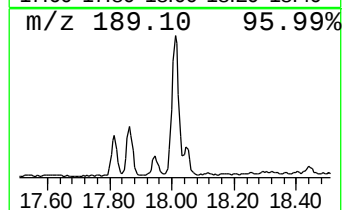
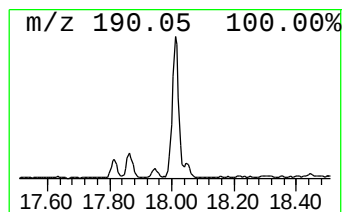
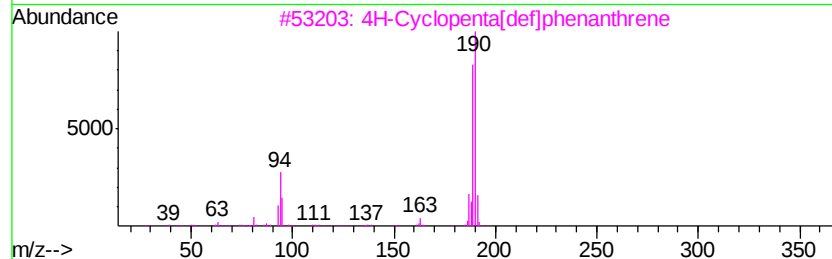
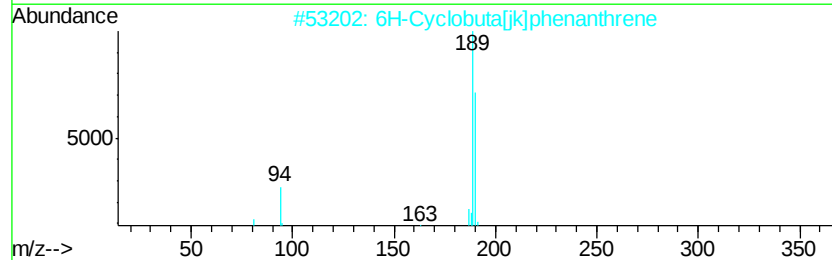
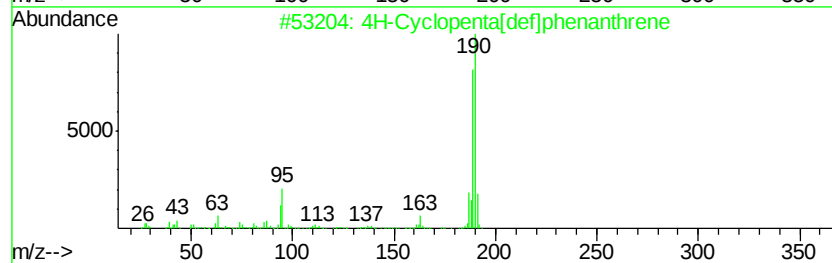
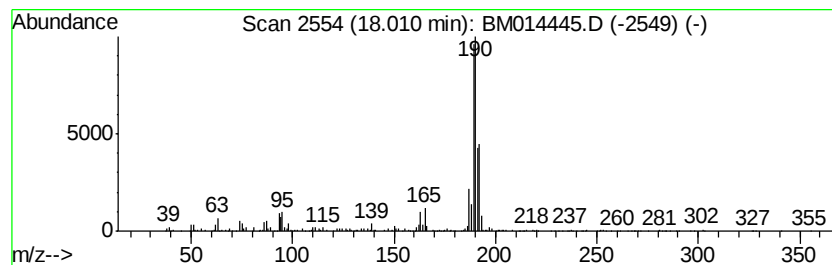
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Quant Title : SVOA CALIBRATION

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	22.69 ng/ul	1894520	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		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	53
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
4		Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
5		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46



Data Path : Z:\HPCHEM1\BNA M\DATA\BM030118\
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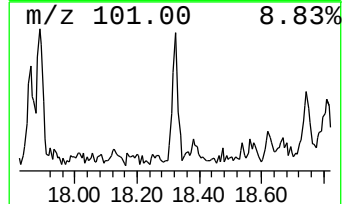
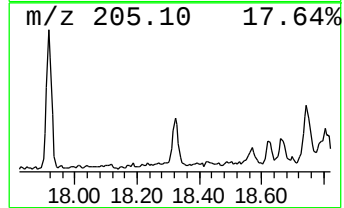
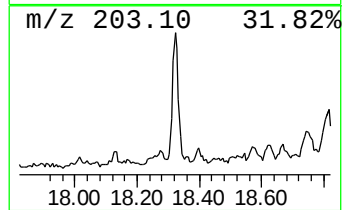
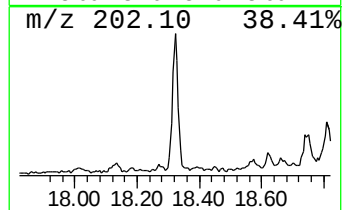
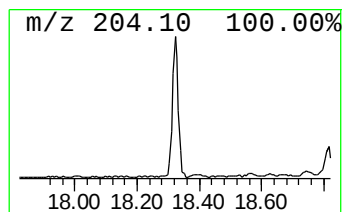
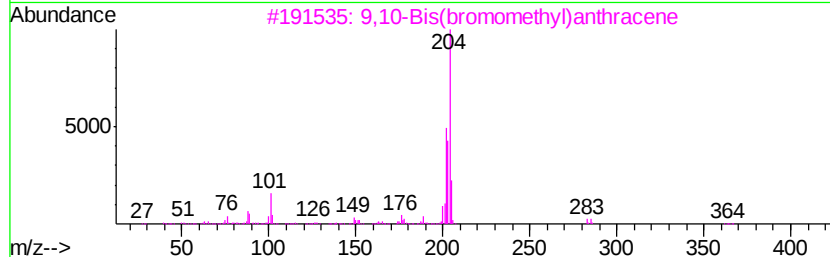
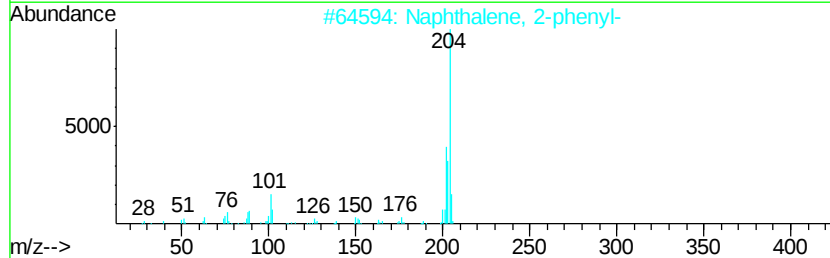
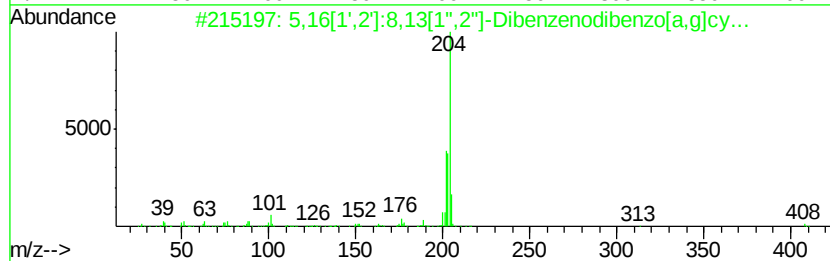
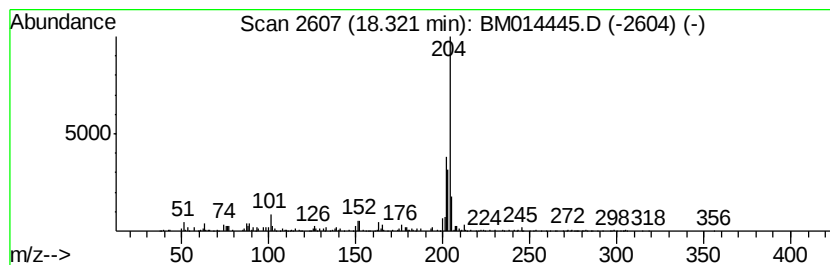
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	6.65 ng/ul	555558	Phenanthrene-d10	16.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
3		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	78
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58



Data Path : Z:\HPCHEM1\BNA M\DATA\BM030118\
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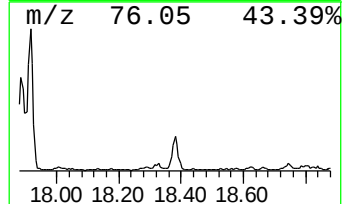
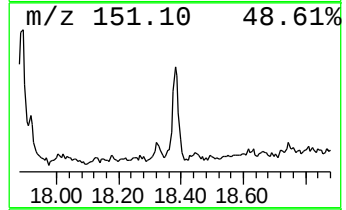
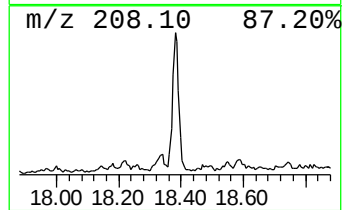
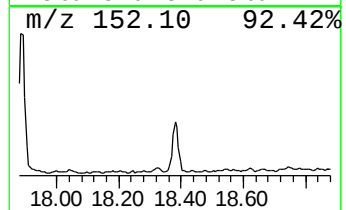
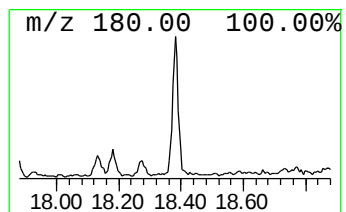
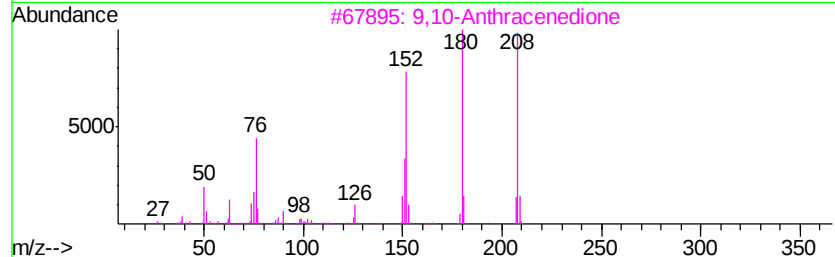
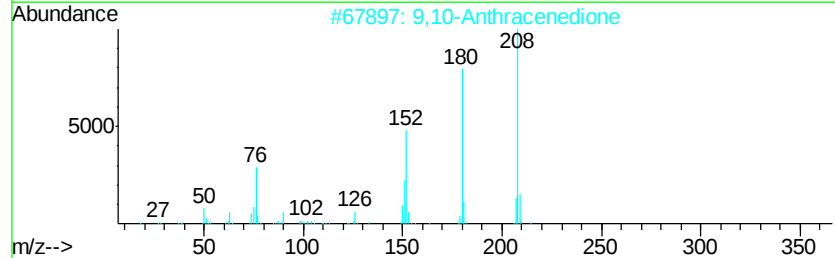
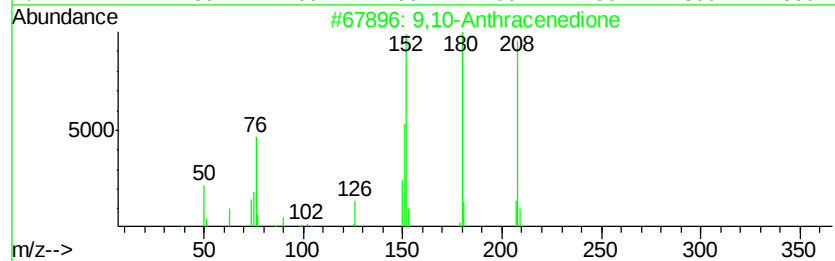
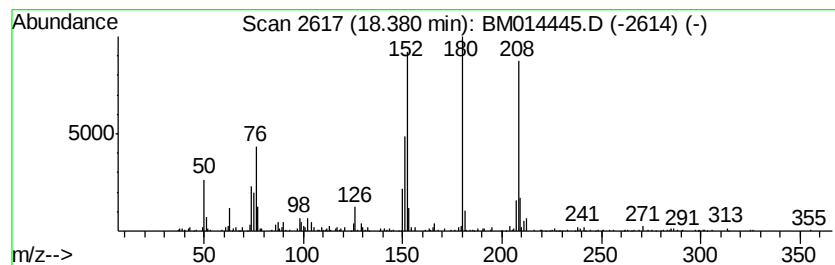
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 9,10-Anthracenedione Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	12.13 ng/ul	1012520	Phenanthrene-d10	16.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
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	92
5		5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	53



Data Path : Z:\HPCHEM1\BNA M\DATA\BM030118\
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ALS Vial : 9 Sample Multiplier: 1

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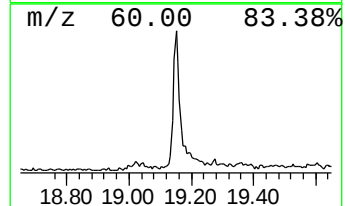
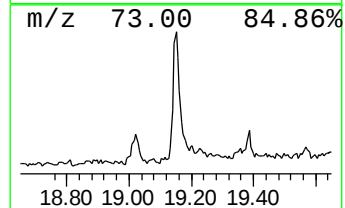
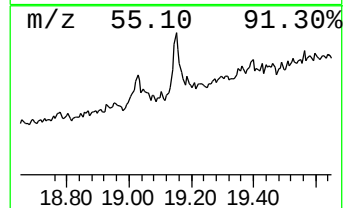
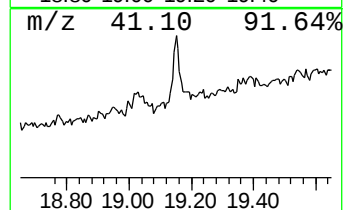
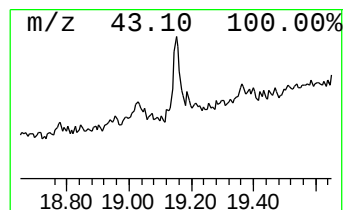
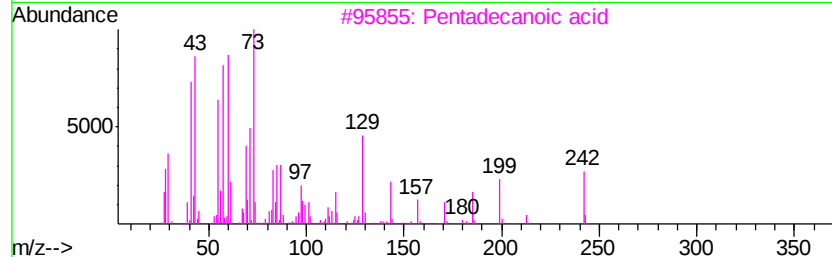
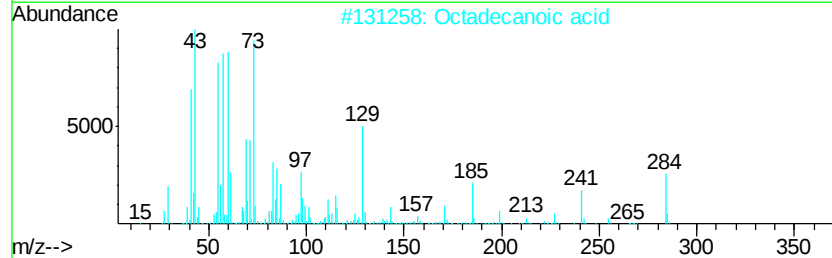
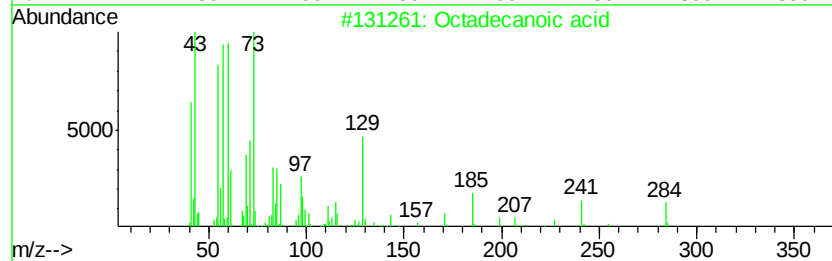
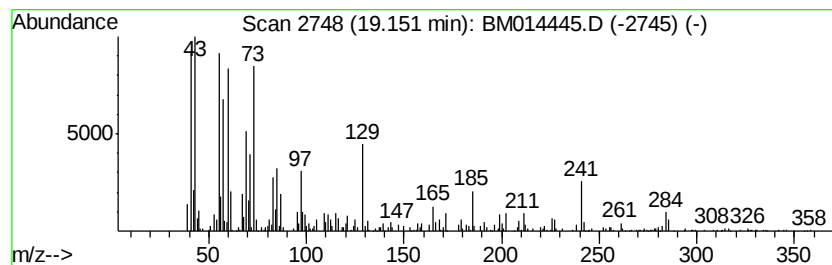
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

Peak Number 12 Octadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.15	2.55 ng/ul	1235730	Chrysene-d12	21.17

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	97
2			Octadecanoic acid	284	C18H36O2	000057-11-4	90
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	89
4			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	76
5			Pentadecanoic acid	242	C15H30O2	001002-84-2	74



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030118\
Data File : BM014445.D
Acq On : 01 Mar 2018 22:35
Operator : SJ/JU
Sample : J1678-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BE5W1

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
unknown-01	14.35	3.4	ng/ul	207626	3	14.17	1205990	20.0
Dibenzofuran, 4-m...	15.68	2.4	ng/ul	197462	4	16.94	1669780	20.0
p-Hydroxybiphenyl	16.22	32.8	ng/ul	2736200	4	16.94	1669780	20.0
Naphthalene, 2,3,...	16.51	2.2	ng/ul	182080	4	16.94	1669780	20.0
9H-Fluoren-9-one	16.60	4.1	ng/ul	338828	4	16.94	1669780	20.0
Naphtho[1,2-b]thi...	16.76	5.2	ng/ul	430542	4	16.94	1669780	20.0
Phenanthrene, 1-m...	17.82	10.2	ng/ul	848263	4	16.94	1669780	20.0
1H-Cyclopropa[1]p...	17.86	29.6	ng/ul	2470590	4	16.94	1669780	20.0
4H-Cyclopenta[def...	18.01	22.7	ng/ul	1894520	4	16.94	1669780	20.0
5,16[1',2']:8,13[...	18.32	6.7	ng/ul	555558	4	16.94	1669780	20.0
9,10-Anthracenedione	18.38	12.1	ng/ul	1012520	4	16.94	1669780	20.0
Octadecanoic acid	19.15	2.5	ng/ul	1235730	5	21.17	9686240	20.0