

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM121317\
 Data File : BM013398.D
 Acq On : 14 Dec 2017 05:41
 Operator : SJ/JU
 Sample : I6759-04DL 10X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A03DL

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-BM113017.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	6.863	637	642	653	rVB2	61901	123811	1.05%	0.165%
2	7.681	775	781	790	rVB	541497	879405	7.48%	1.171%
3	8.393	895	902	910	rBV2	80744	147991	1.26%	0.197%
4	8.834	972	977	984	rBV	64904	124538	1.06%	0.166%
5	10.092	1185	1191	1201	rBV3	71564	144960	1.23%	0.193%
6	10.457	1246	1253	1262	rBV	738987	1259701	10.72%	1.677%
7	10.610	1273	1279	1288	rBV3	64853	123967	1.05%	0.165%
8	13.151	1704	1711	1722	rBV	371036	544721	4.64%	0.725%
9	13.645	1786	1795	1800	rBV2	123523	196258	1.67%	0.261%
10	13.739	1805	1811	1815	rBV	201376	294392	2.51%	0.392%
11	13.880	1826	1835	1839	rBV2	93472	162538	1.38%	0.216%
12	14.010	1851	1857	1861	rBV	206550	339738	2.89%	0.452%
13	14.322	1901	1910	1916	rBV2	1130768	1994350	16.97%	2.655%
14	14.386	1916	1921	1930	rVB	2787245	4087728	34.79%	5.443%
15	14.545	1940	1948	1955	rBV7	53434	149987	1.28%	0.200%
16	14.633	1958	1963	1968	rVV	127518	184686	1.57%	0.246%
17	14.722	1971	1978	1986	rVB	1655448	2452598	20.87%	3.265%
18	15.322	2072	2080	2084	rBV	266368	405599	3.45%	0.540%
19	15.374	2084	2089	2095	rVV	2321145	3140855	26.73%	4.182%
20	15.469	2099	2105	2107	rBV4	100291	168772	1.44%	0.225%
21	15.498	2107	2110	2113	rVV	152336	199534	1.70%	0.266%
22	15.539	2113	2117	2121	rVB	253881	352011	3.00%	0.469%
23	15.622	2128	2131	2135	rVV2	135321	180725	1.54%	0.241%
24	15.669	2135	2139	2147	rVB	308483	450019	3.83%	0.599%
25	15.816	2156	2164	2172	rBV	328448	646207	5.50%	0.860%
26	15.910	2172	2180	2186	rVB2	58901	134498	1.14%	0.179%
27	16.169	2217	2224	2230	rBV2	112309	186663	1.59%	0.249%
28	16.339	2248	2253	2255	rBV3	93920	157005	1.34%	0.209%
29	16.380	2256	2260	2265	rVV2	196791	328706	2.80%	0.438%
30	16.427	2265	2268	2274	rVB4	88638	123690	1.05%	0.165%
31	16.527	2279	2285	2290	rVB3	89390	164422	1.40%	0.219%
32	16.733	2315	2320	2326	rVB2	145910	224173	1.91%	0.298%
33	16.827	2326	2336	2341	rBV2	220505	454836	3.87%	0.606%
34	16.892	2341	2347	2360	rVB	596442	909223	7.74%	1.211%

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35	17.074	2371	2378	2381	rBV	1697639	2474252	21.06%	3.294%
36	17.121	2381	2386	2391	rVV	8218562	11750472	100.00%	15.645%
37	17.168	2391	2394	2397	rVV	362294	549144	4.67%	0.731%
38	17.204	2397	2400	2406	rVV	963937	1340774	11.41%	1.785%
39	17.268	2406	2411	2416	rVB3	76732	132245	1.13%	0.176%
40	17.480	2441	2447	2462	rVB	334672	541802	4.61%	0.721%
41	17.592	2462	2466	2472	rBV2	117382	189281	1.61%	0.252%
42	17.945	2518	2526	2530	rBV	543331	793589	6.75%	1.057%
43	17.998	2530	2535	2540	rVB	739377	1027902	8.75%	1.369%
44	18.074	2540	2548	2553	rBV	232457	370422	3.15%	0.493%
45	18.145	2553	2560	2564	rVV4	1019405	1748480	14.88%	2.328%
46	18.180	2564	2566	2573	rVB	261828	293253	2.50%	0.390%
47	18.451	2607	2612	2619	rVB	434890	575251	4.90%	0.766%
48	18.698	2646	2654	2659	rBV4	93288	143334	1.22%	0.191%
49	18.868	2678	2683	2687	rBV2	117764	206073	1.75%	0.274%
50	19.139	2722	2729	2735	rBV	6123486	8125265	69.15%	10.818%
51	19.380	2762	2770	2774	rVB2	134892	215286	1.83%	0.287%
52	19.468	2780	2785	2787	rBV3	1376362	2043165	17.39%	2.720%
53	19.498	2787	2790	2799	rVV	3971517	5481388	46.65%	7.298%
54	19.568	2799	2802	2808	rVB	175317	249841	2.13%	0.333%
55	19.680	2813	2821	2827	rBV	245734	357914	3.05%	0.477%
56	19.821	2839	2845	2852	rBV3	188442	478673	4.07%	0.637%
57	19.880	2852	2855	2860	rVV	97620	137416	1.17%	0.183%
58	19.992	2863	2874	2880	rVB	594650	1143168	9.73%	1.522%
59	20.098	2886	2892	2896	rBV	693403	901565	7.67%	1.200%
60	20.151	2896	2901	2905	rVV2	208763	401474	3.42%	0.535%
61	20.192	2905	2908	2912	rVV2	150833	208619	1.78%	0.278%
62	20.292	2921	2925	2929	rBV	92332	131899	1.12%	0.176%
63	20.339	2929	2933	2937	rVV3	113932	169176	1.44%	0.225%
64	20.709	2991	2996	3000	rBV5	73384	133621	1.14%	0.178%
65	20.909	3024	3030	3033	rBV	185306	256578	2.18%	0.342%
66	20.951	3033	3037	3040	rVV	174790	222281	1.89%	0.296%
67	20.986	3040	3043	3048	rVB2	134536	219502	1.87%	0.292%
68	21.262	3082	3090	3094	rBV2	2859901	4940802	42.05%	6.578%
69	21.298	3094	3096	3104	rVB	1153092	1358934	11.56%	1.809%
70	21.415	3112	3116	3124	rBV	211414	295911	2.52%	0.394%
71	21.574	3140	3143	3149	rVB2	92803	154539	1.32%	0.206%

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72	22.039	3220	3222	3227	rVB5	104561	132734	1.13%	0.177%
73	22.821	3350	3355	3361	rBV	289440	693751	5.90%	0.924%
74	23.345	3440	3444	3448	rBV2	244071	393492	3.35%	0.524%
75	23.486	3462	3468	3475	rBV	1463540	2685388	22.85%	3.575%

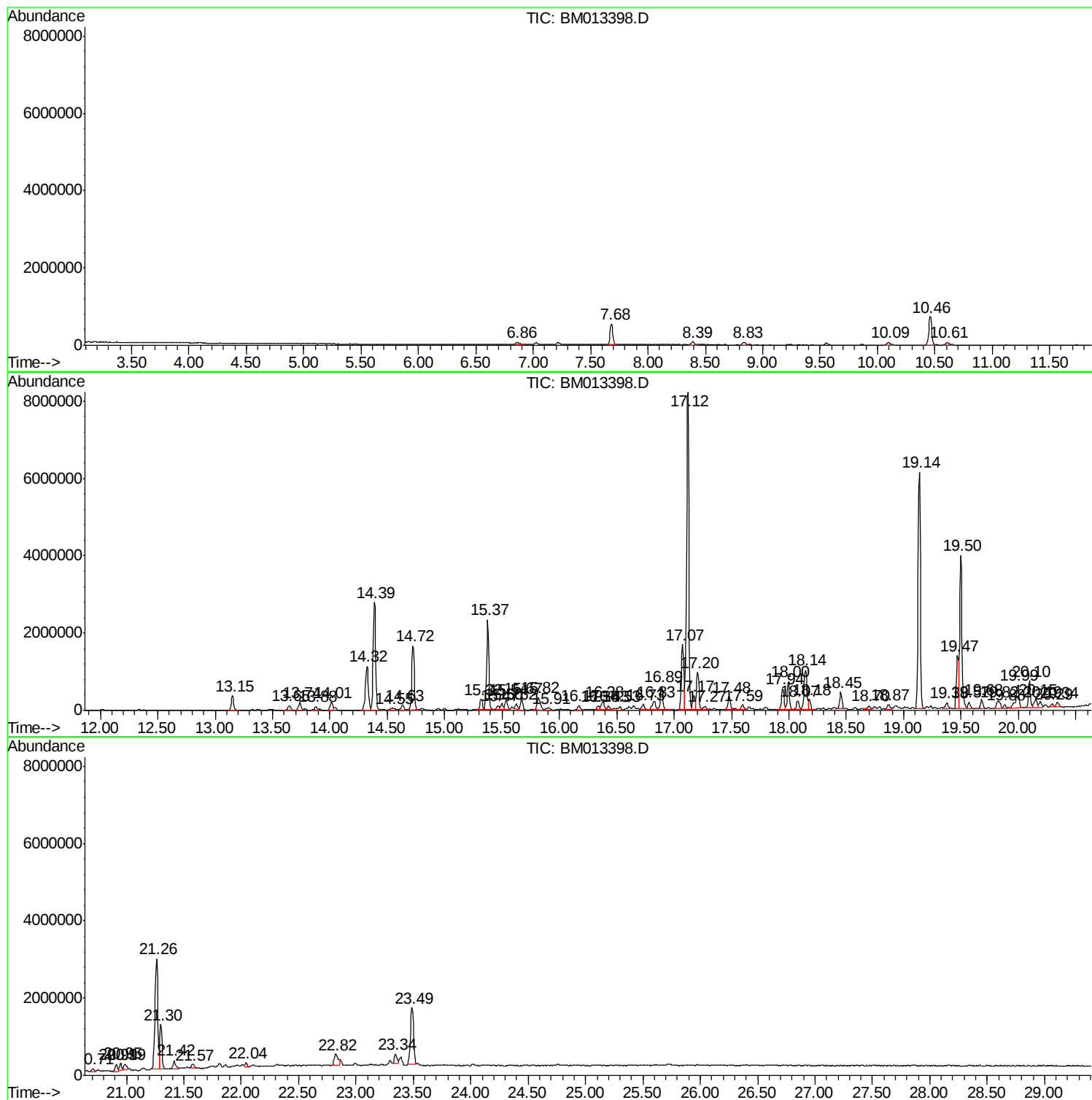
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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



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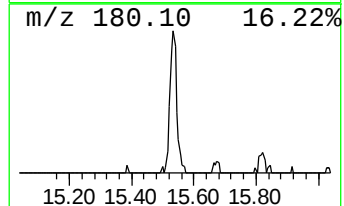
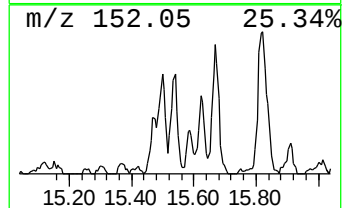
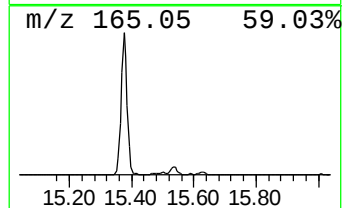
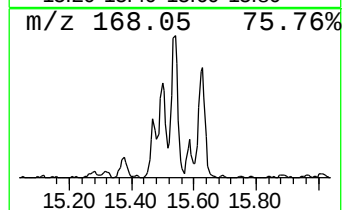
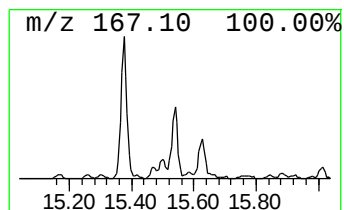
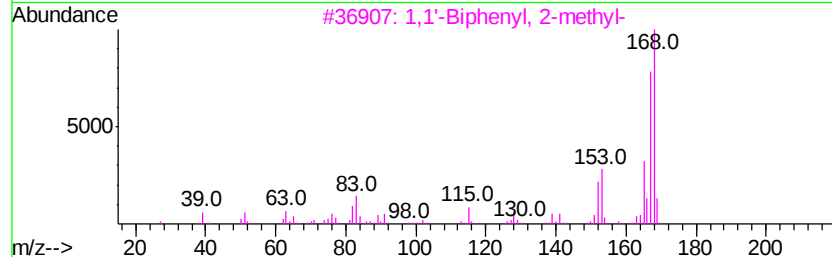
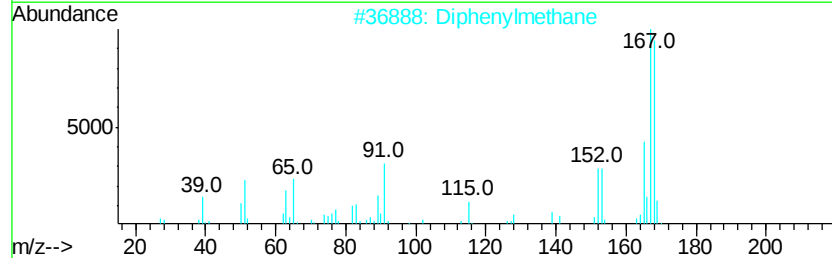
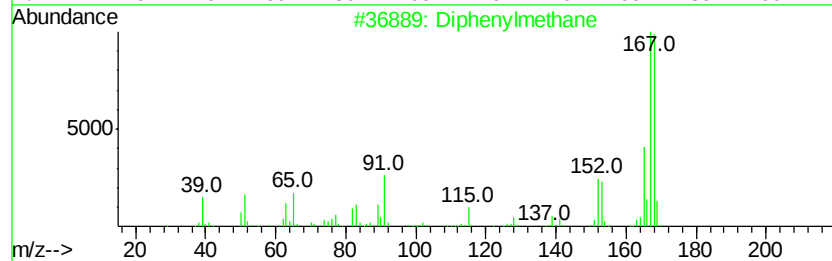
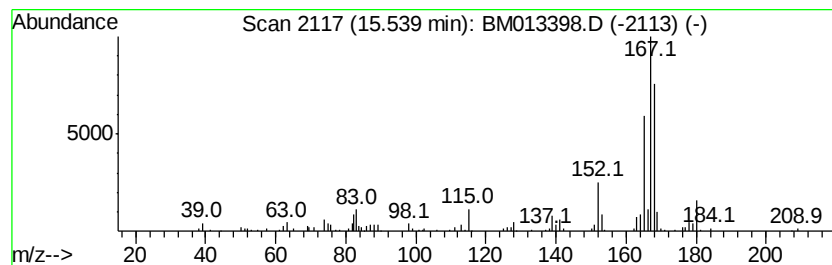
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Diphenylmethane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	3.53 ng/ul	352011	Acenaphthene-d10	14.32
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Diphenylmethane	168 C13H12	000101-81-5	89
2	Diphenylmethane	168 C13H12	000101-81-5	68
3	1,1'-Biphenyl, 2-methyl-	168 C13H12	000643-58-3	55
4	1,1'-Biphenyl, 2-methyl-	168 C13H12	000643-58-3	55
5	1,1'-Biphenyl, 4-methyl-	168 C13H12	000644-08-6	53



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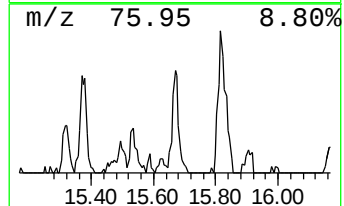
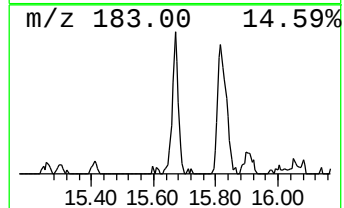
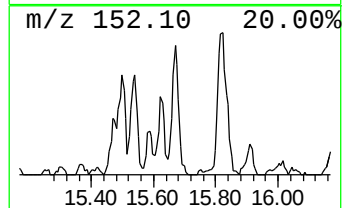
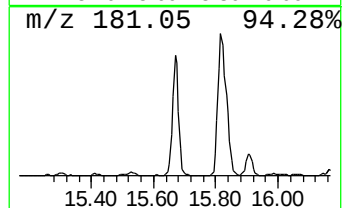
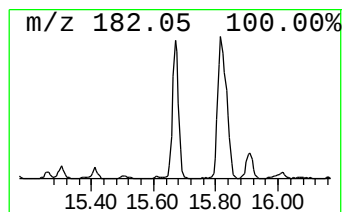
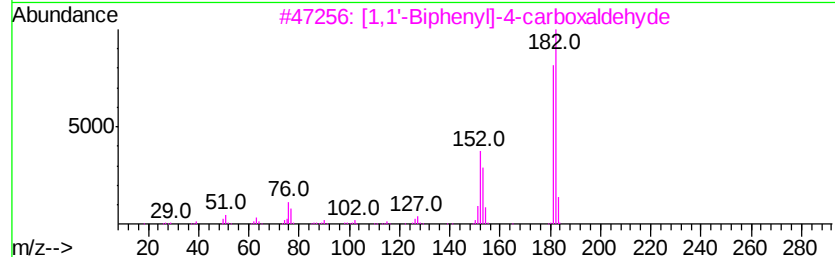
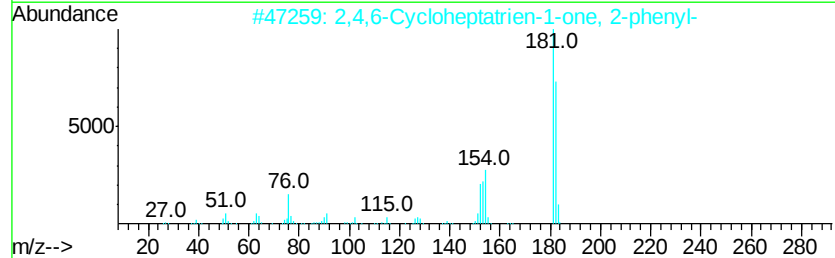
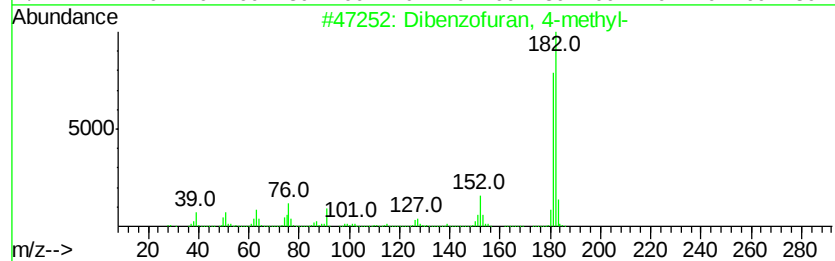
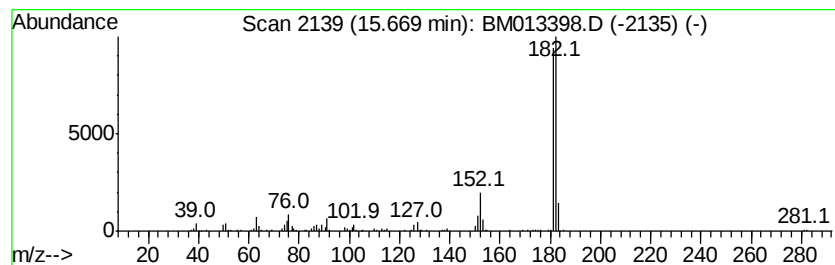
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	4.51 ng/ul	450019	Acenaphthene-d10	14.32
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Dibenzofuran, 4-methyl-	182 C13H10O	007320-53-8 91
2		2,4,6-Cycloheptatrien-1-one, 2-p...	182 C13H10O	014562-09-5 83
3		[1,1'-Biphenyl]-4-carboxaldehyde	182 C13H10O	003218-36-8 80
4		3-(2-Naphthyl)acrylaldehyde	182 C13H10O	020884-05-3 80
5		[1,1'-Biphenyl]-4-carboxaldehyde	182 C13H10O	003218-36-8 78



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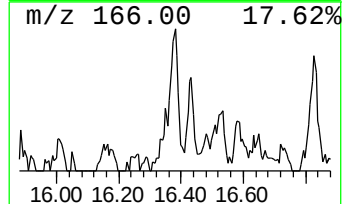
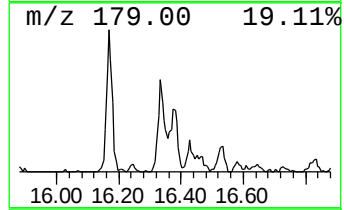
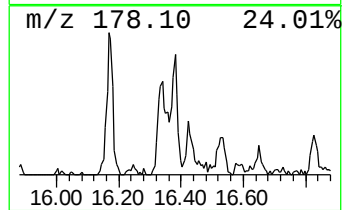
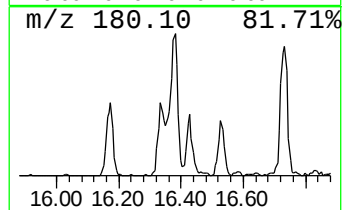
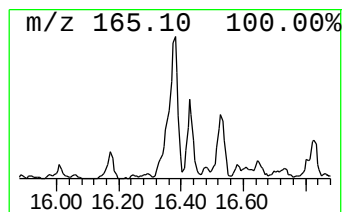
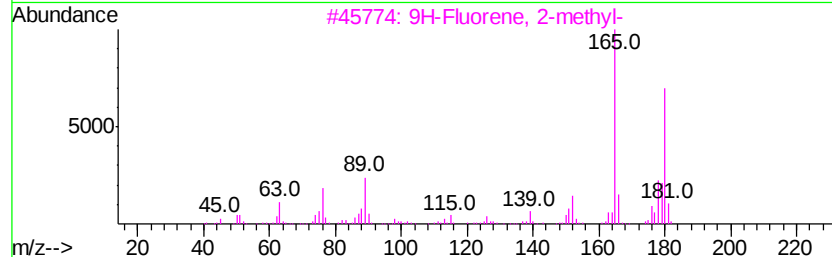
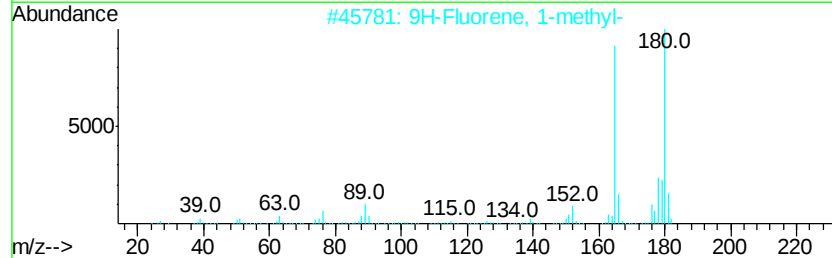
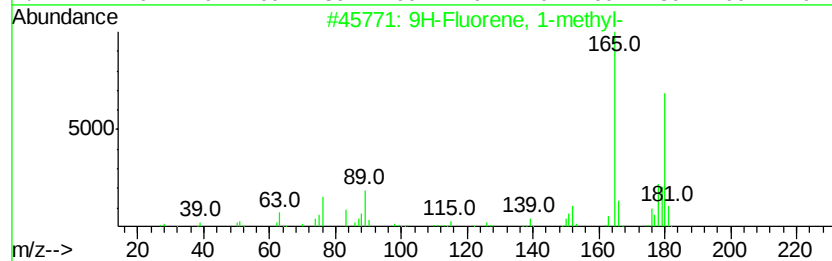
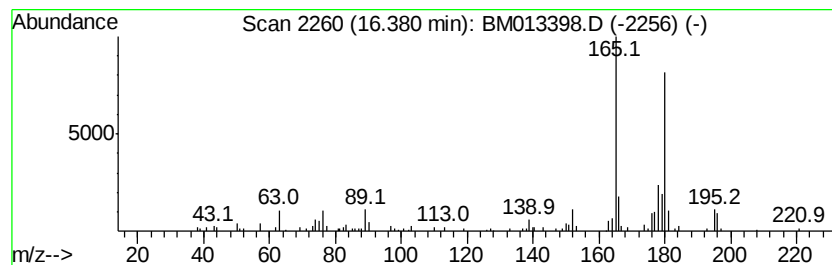
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.38	2.66 ng/ul	328706	Phenanthrene-d10	17.07

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
2			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
3			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
4			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
5			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	81



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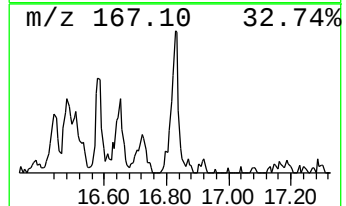
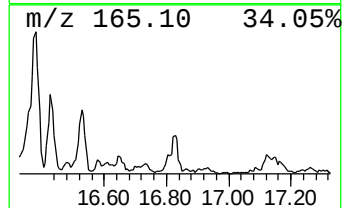
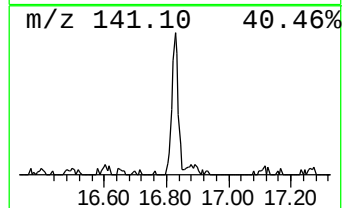
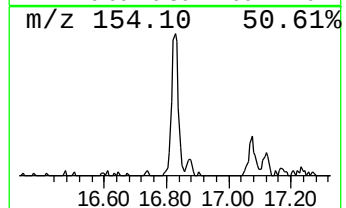
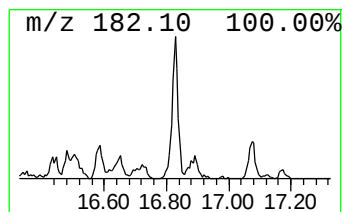
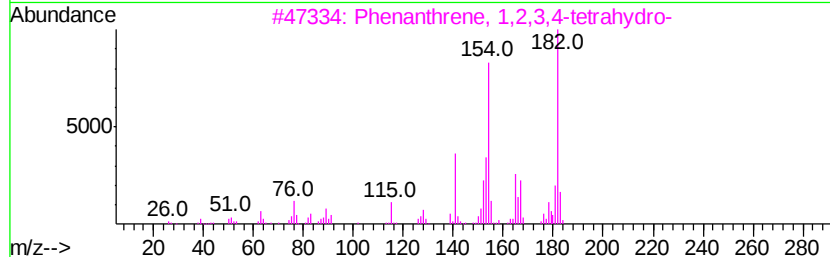
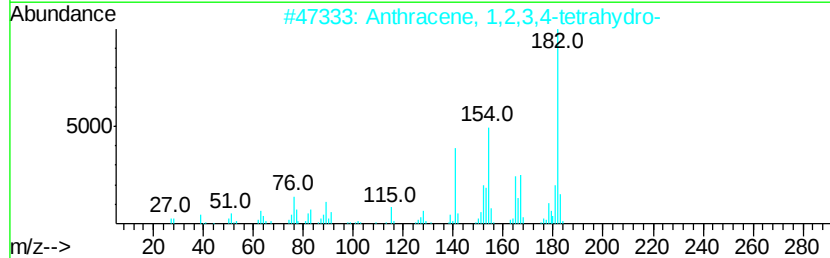
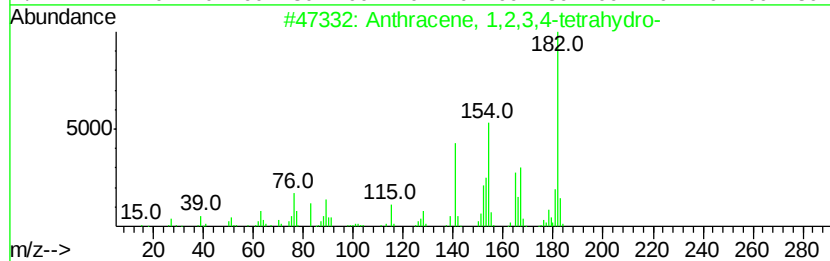
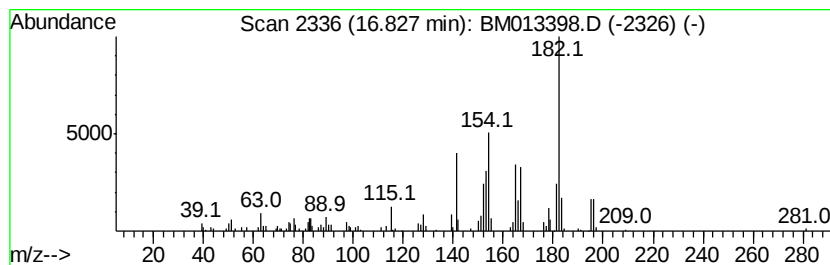
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.83	3.68 ng/ul	454836	Phenanthrene-d10	17.07

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	98
2		Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	93
3		Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	86
4		Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	50
5		4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	50



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Data File : BM013398.D
Acq On : 14 Dec 2017 05:41
Operator : SJ/JU
Sample : I6759-04DL 10X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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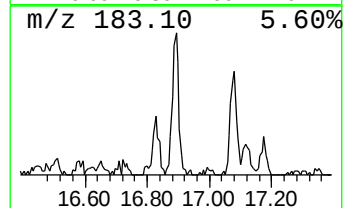
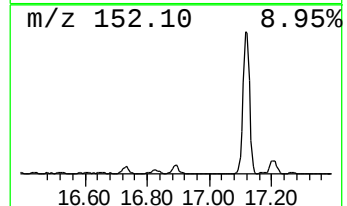
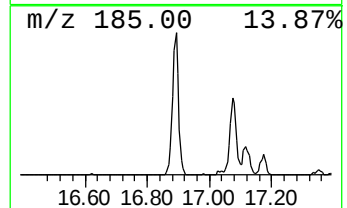
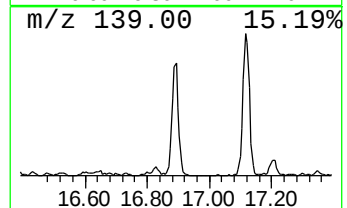
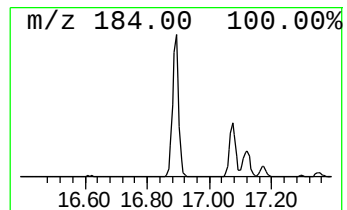
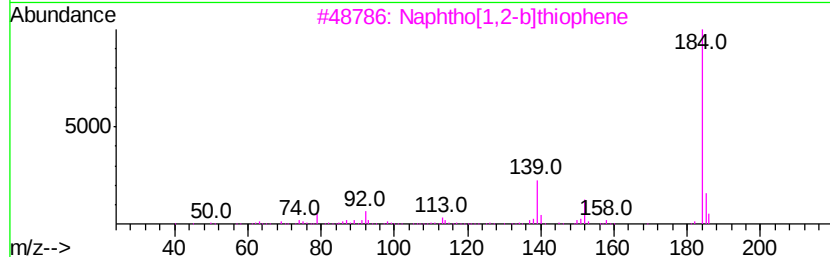
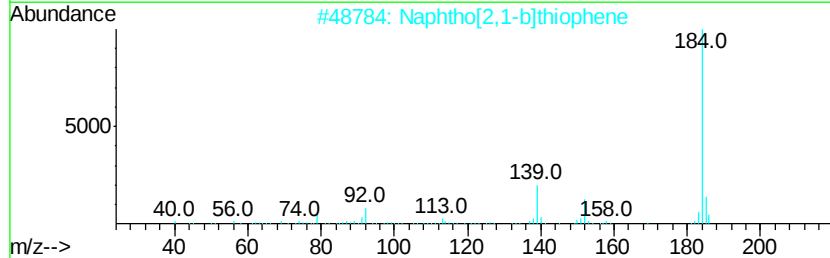
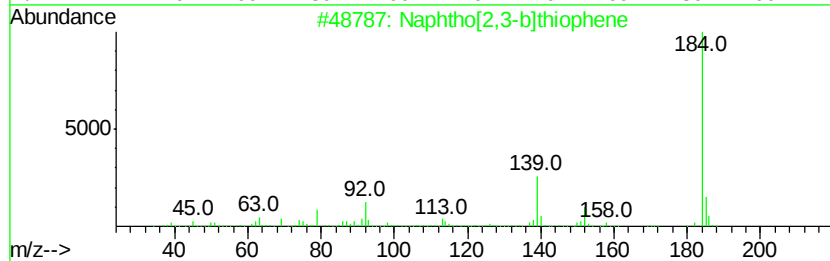
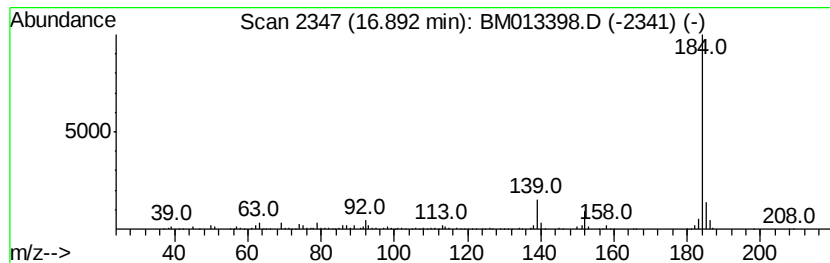
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Naphtho[2,3-b]thiophene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	7.35 ng/ul	909223	Phenanthrene-d10	17.07

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4		Dibenzothiophene	184	C12H8S	000132-65-0	94
5		Dibenzothiophene	184	C12H8S	000132-65-0	94



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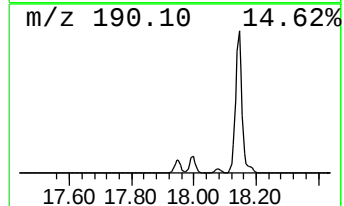
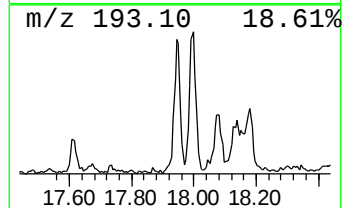
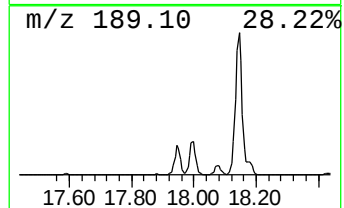
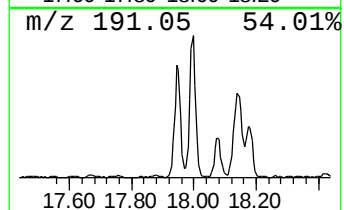
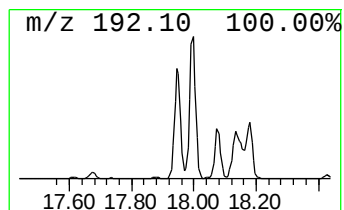
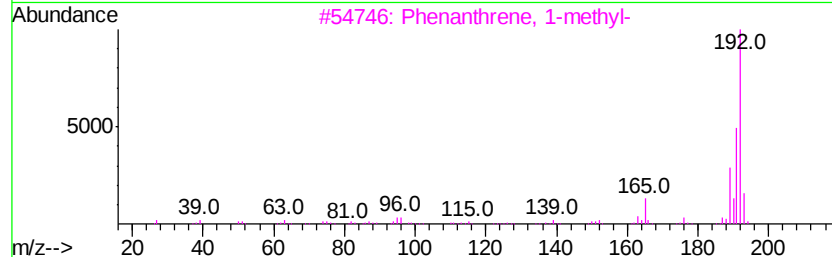
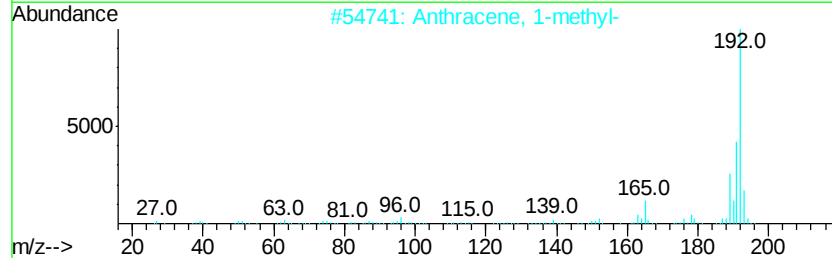
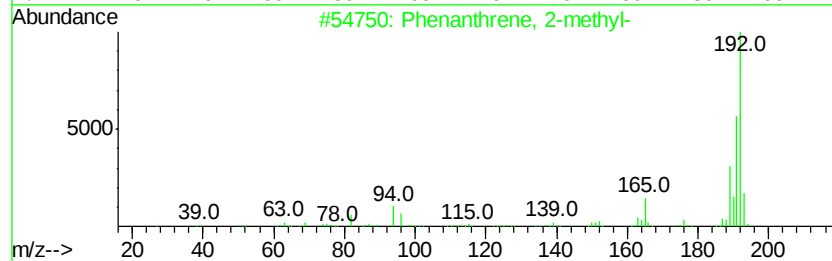
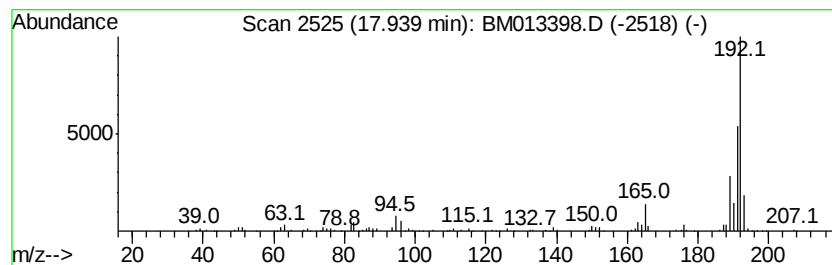
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	6.41 ng/ul	793589	Phenanthrene-d10	17.07

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2			Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM121317\
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Operator : SJ/JU
Sample : I6759-04DL 10X
Misc :
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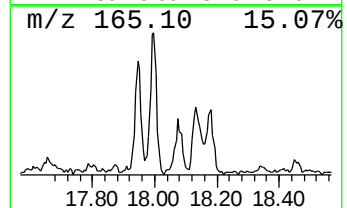
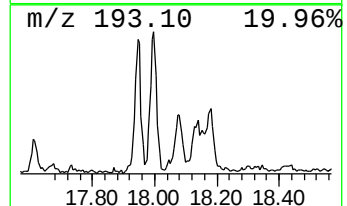
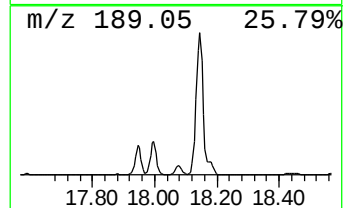
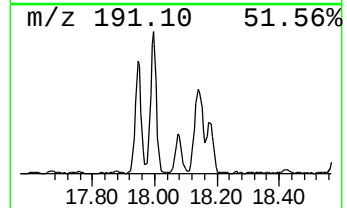
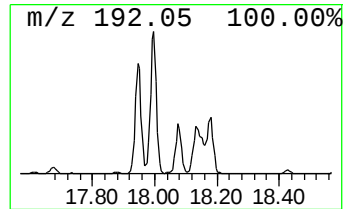
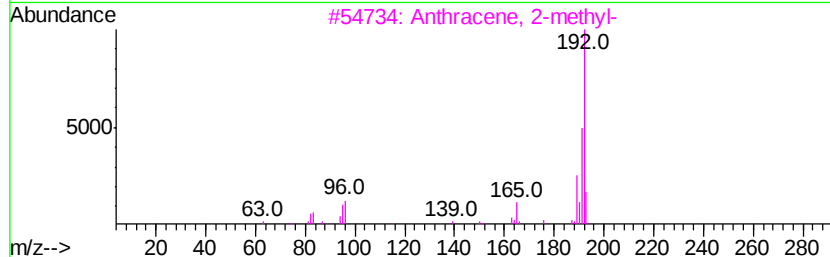
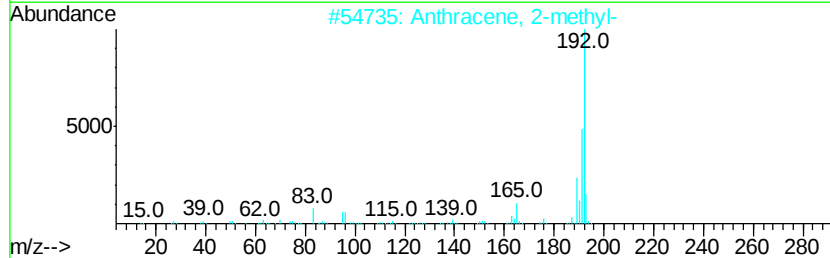
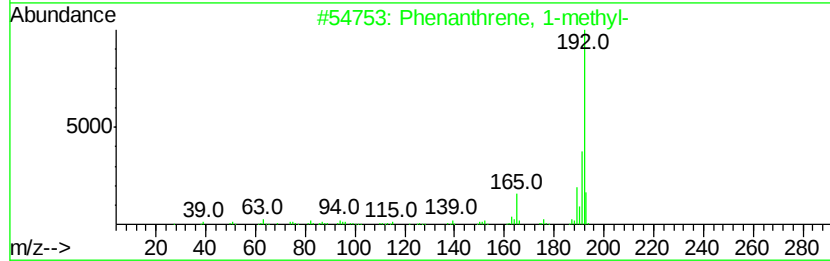
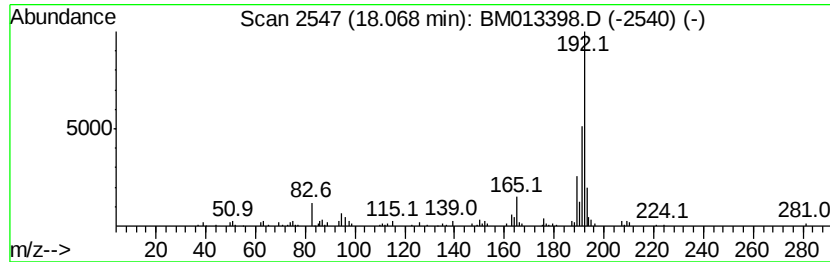
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.	
18.07	2.99 ng/ul	370422	Phenanthrene-d10		17.07	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	93



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM121317\
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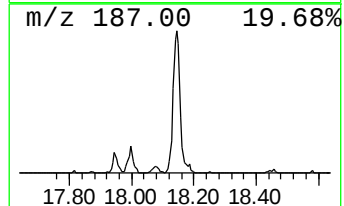
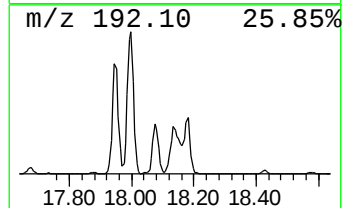
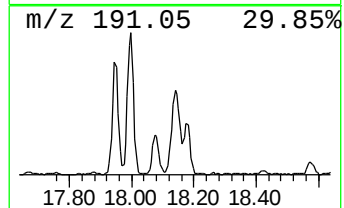
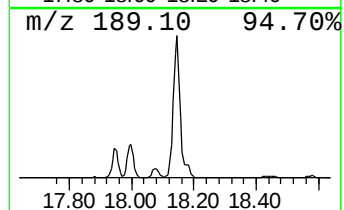
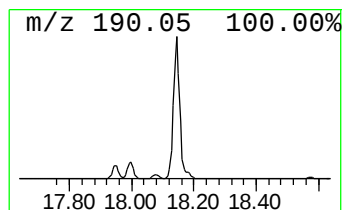
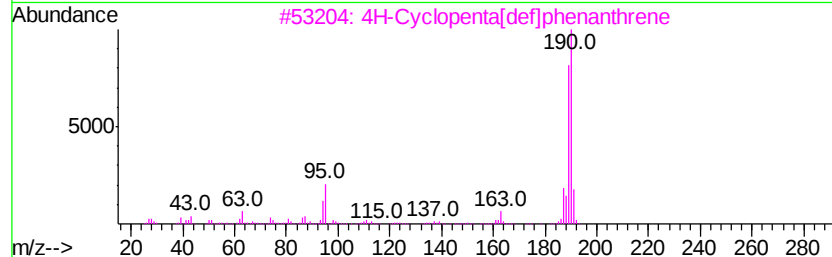
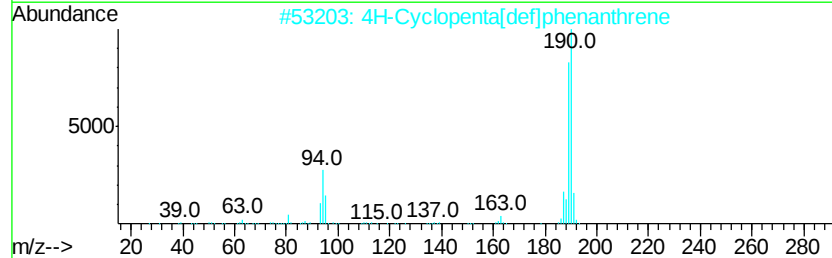
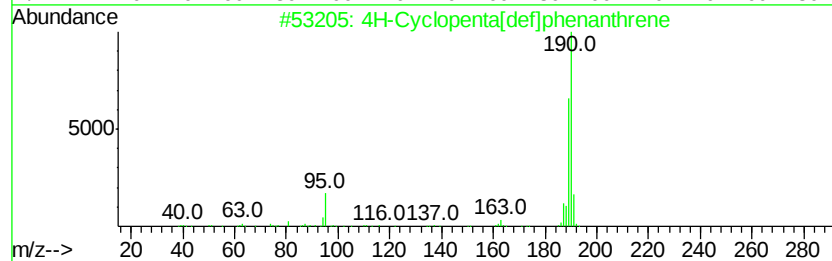
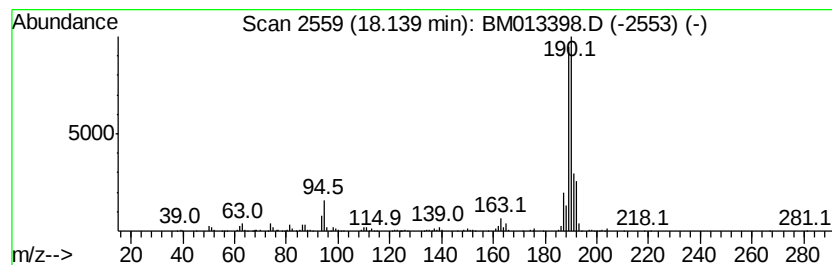
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	14.13 ng/ul	1748480	Phenanthrene-d10	17.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	36



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
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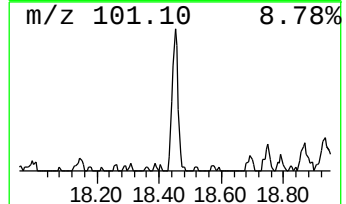
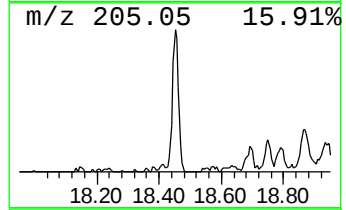
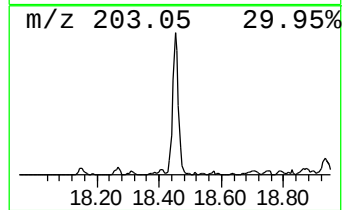
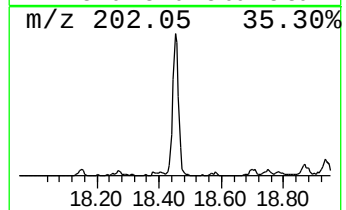
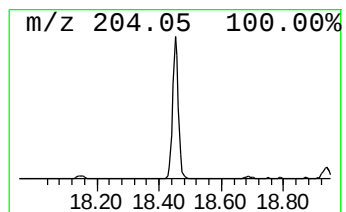
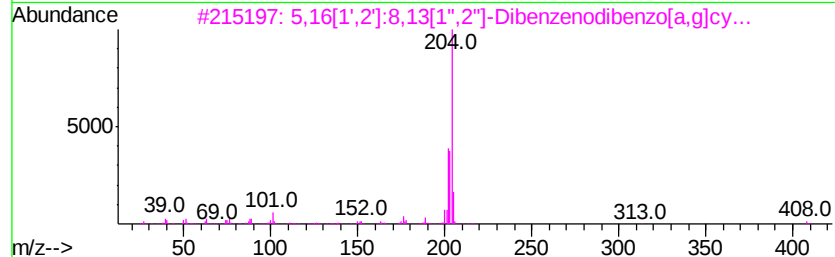
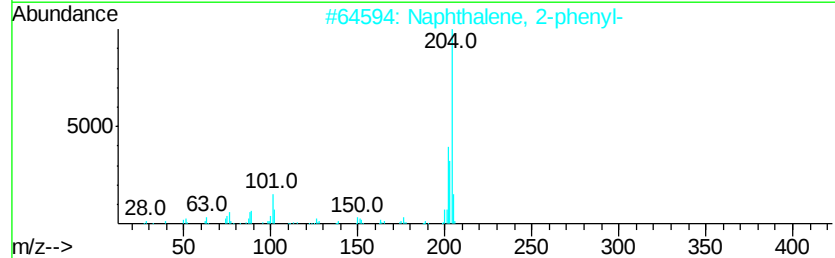
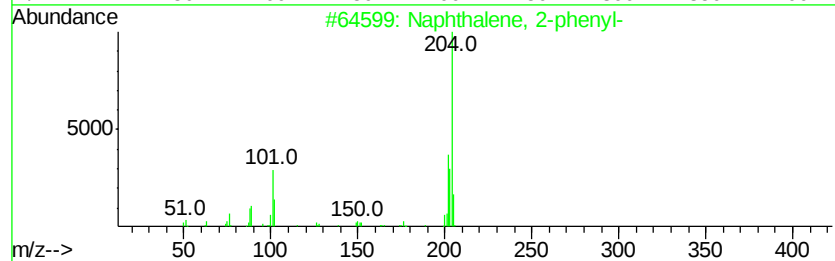
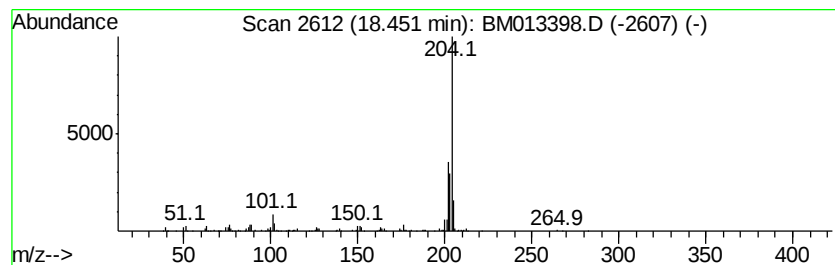
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	4.65 ng/ul	575251	Phenanthrene-d10	17.07

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3			5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
4			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	74
5			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	74



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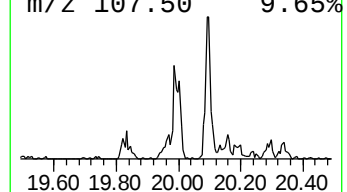
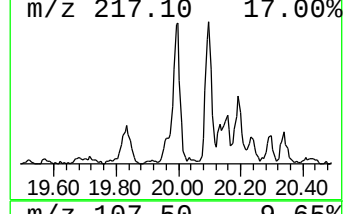
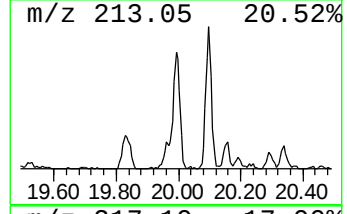
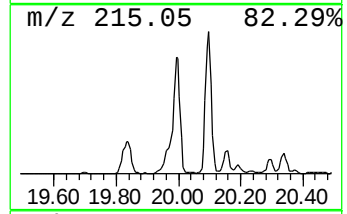
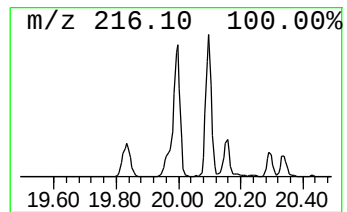
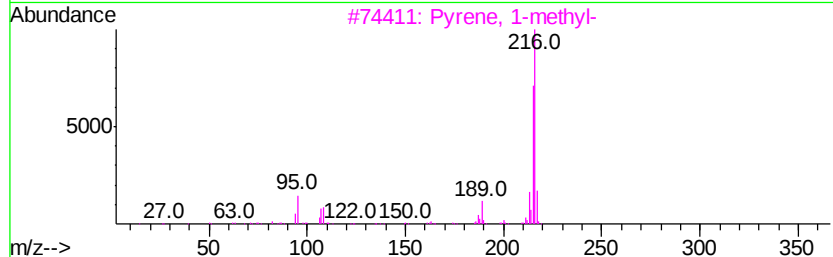
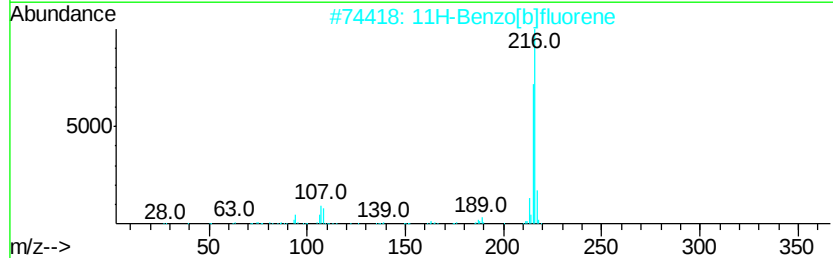
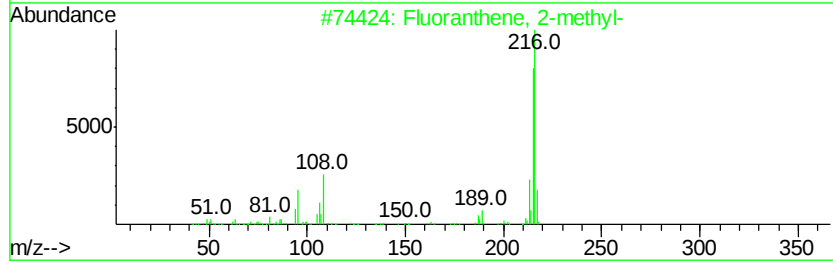
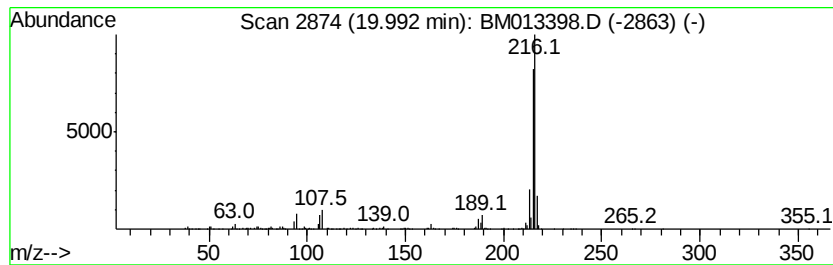
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	4.63 ng/ul	1143170	Chrysene-d12	21.26

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3			Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013398.D
Acq On : 14 Dec 2017 05:41
Operator : SJ/JU
Sample : I6759-04DL 10X
Misc :
ALS Vial : 33 Sample Multiplier: 1

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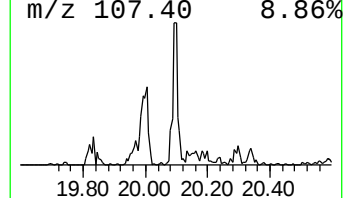
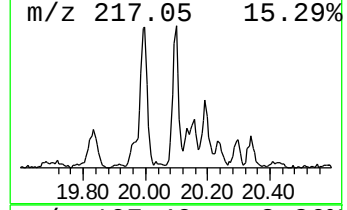
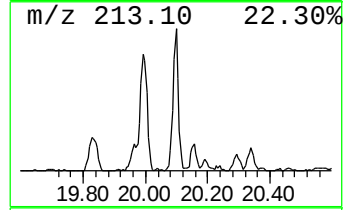
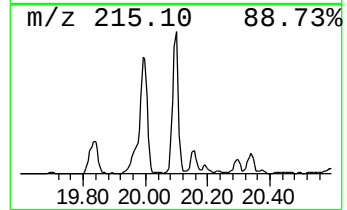
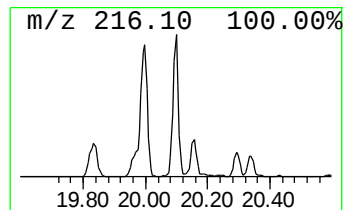
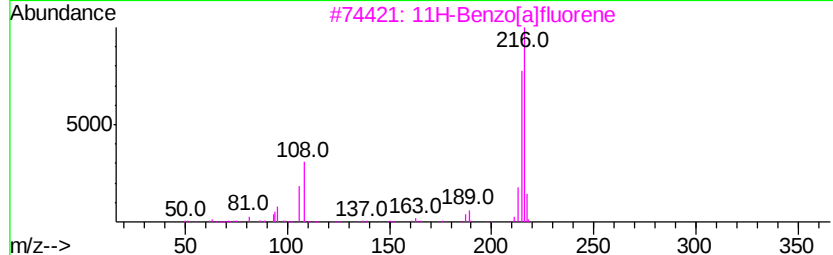
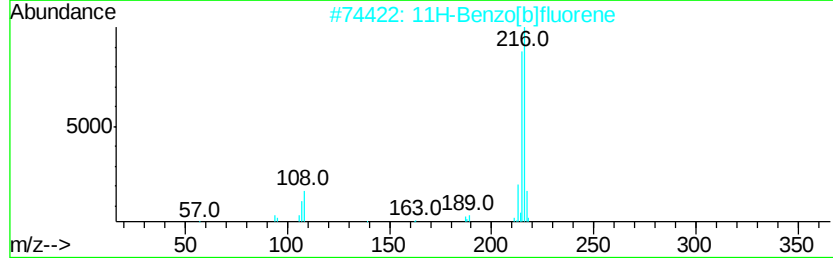
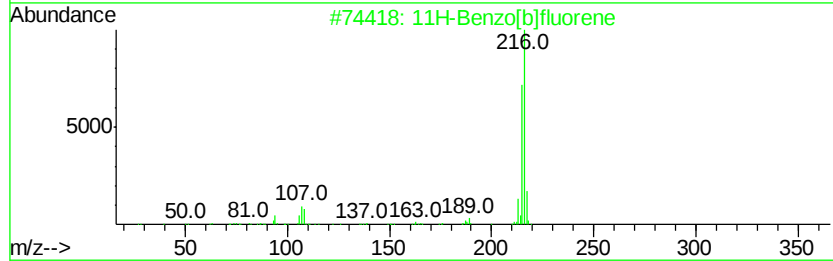
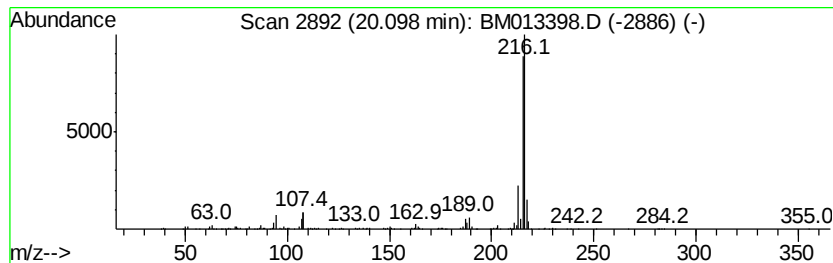
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	3.65 ng/ul	901565	Chrysene-d12	21.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_M\DATA\BM121317\
Data File : BM013398.D
Acq On : 14 Dec 2017 05:41
Operator : SJ/JU
Sample : I6759-04DL 10X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A03DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.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
Diphenylmethane	15.54	3.5	ng/ul	352011	3	14.32	1994350	20.0
Dibenzofuran, 4-m...	15.67	4.5	ng/ul	450019	3	14.32	1994350	20.0
9H-Fluorene, 1-me...	16.38	2.7	ng/ul	328706	4	17.07	2474250	20.0
Anthracene, 1,2,3...	16.83	3.7	ng/ul	454836	4	17.07	2474250	20.0
Naphtho[2,3-b]thi...	16.89	7.3	ng/ul	909223	4	17.07	2474250	20.0
Phenanthrene, 2-m...	17.94	6.4	ng/ul	793589	4	17.07	2474250	20.0
Phenanthrene, 1-m...	18.07	3.0	ng/ul	370422	4	17.07	2474250	20.0
4H-Cyclopenta[def...	18.14	14.1	ng/ul	1748480	4	17.07	2474250	20.0
Naphthalene, 2-ph...	18.45	4.7	ng/ul	575251	4	17.07	2474250	20.0
Fluoranthene, 2-m...	19.99	4.6	ng/ul	1143170	5	21.26	4940800	20.0
11H-Benzo[b]fluorene	20.10	3.6	ng/ul	901565	5	21.26	4940800	20.0