

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
 Data File : BM010710.D
 Acq On : 24 Jun 2017 03:14
 Operator : SJ/JU
 Sample : I3625-14ME 20X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5C81ME

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-BM062017.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	7.457	771	777	784	rBB	275126	423054	17.08%	1.838%
2	7.828	833	840	845	rBV2	24361	34384	1.39%	0.149%
3	7.987	861	867	873	rVB2	36694	53495	2.16%	0.232%
4	10.222	1240	1247	1251	rBV	412792	700131	28.27%	3.041%
5	10.275	1251	1256	1263	rVB	1370774	2162910	87.34%	9.395%
6	10.387	1268	1275	1282	rVB	55278	98812	3.99%	0.429%
7	11.892	1525	1531	1538	rBB	459788	721328	29.13%	3.133%
8	12.116	1559	1569	1577	rBB	197764	322468	13.02%	1.401%
9	12.934	1702	1708	1715	rBB	114772	158622	6.41%	0.689%
10	13.133	1734	1742	1750	rVB	34123	53575	2.16%	0.233%
11	13.263	1759	1764	1766	rBV2	58439	84971	3.43%	0.369%
12	13.281	1766	1767	1773	rVB	54225	58445	2.36%	0.254%
13	13.428	1786	1792	1796	rBV	86624	142433	5.75%	0.619%
14	13.481	1796	1801	1805	rVV	58797	79253	3.20%	0.344%
15	13.533	1805	1810	1815	rVB2	22858	33332	1.35%	0.145%
16	13.663	1828	1832	1836	rBV	38877	57006	2.30%	0.248%
17	13.798	1850	1855	1857	rBV	24998	34105	1.38%	0.148%
18	13.828	1857	1860	1866	rVB2	29963	43030	1.74%	0.187%
19	14.110	1900	1908	1914	rBV2	700622	1086316	43.87%	4.719%
20	14.175	1914	1919	1927	rVV	444330	638704	25.79%	2.774%
21	14.239	1927	1930	1935	rVB2	20862	26160	1.06%	0.114%
22	14.322	1940	1944	1953	rBV4	14155	26709	1.08%	0.116%
23	14.428	1953	1962	1968	rVV4	17496	32021	1.29%	0.139%
24	14.516	1968	1977	1984	rVV	390406	584898	23.62%	2.541%
25	15.110	2073	2078	2082	rBV3	44713	59268	2.39%	0.257%
26	15.169	2082	2088	2093	rBV	573207	794383	32.08%	3.451%
27	15.327	2112	2115	2120	rVB2	55218	69631	2.81%	0.302%
28	15.416	2126	2130	2134	rVB	31229	35122	1.42%	0.153%
29	15.463	2134	2138	2147	rVB	71447	100284	4.05%	0.436%
30	15.610	2159	2163	2172	rVB	78920	149018	6.02%	0.647%
31	15.963	2216	2223	2230	rBV4	27721	42025	1.70%	0.183%
32	16.174	2247	2259	2264	rBV5	53194	103953	4.20%	0.452%
33	16.222	2264	2267	2273	rVB4	20840	27576	1.11%	0.120%
34	16.327	2279	2285	2289	rVB5	18688	30580	1.23%	0.133%

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35	16.604	2325	2332	2337	rBV2	24176	40576	1.64%	0.176%
36	16.680	2341	2345	2351	rVB	114004	158644	6.41%	0.689%
37	16.863	2370	2376	2380	rBV	922770	1374163	55.49%	5.969%
38	16.910	2380	2384	2390	rVV	1859384	2476412	100.00%	10.757%
39	16.963	2390	2393	2394	rVV	63069	67987	2.75%	0.295%
40	16.998	2394	2399	2405	rVB	901948	1211285	48.91%	5.261%
41	17.274	2441	2446	2451	rVB	383555	509261	20.56%	2.212%
42	17.739	2516	2525	2529	rBV	99495	150967	6.10%	0.656%
43	17.786	2529	2533	2540	rVB	161173	231088	9.33%	1.004%
44	17.868	2540	2547	2553	rBV	90478	127090	5.13%	0.552%
45	17.939	2553	2559	2563	rVV2	183256	320949	12.96%	1.394%
46	17.974	2563	2565	2572	rVV	57027	63573	2.57%	0.276%
47	18.051	2572	2578	2581	rVV3	19544	27731	1.12%	0.120%
48	18.092	2581	2585	2589	rVB2	23387	29030	1.17%	0.126%
49	18.251	2607	2612	2616	rBV2	81041	97140	3.92%	0.422%
50	18.674	2679	2684	2688	rBV2	37646	63560	2.57%	0.276%
51	18.733	2688	2694	2698	rVV5	21685	37420	1.51%	0.163%
52	18.939	2722	2729	2738	rBV	1039688	1379760	55.72%	5.993%
53	19.180	2765	2770	2776	rVB4	25491	41600	1.68%	0.181%
54	19.274	2782	2786	2787	rBV	221541	254666	10.28%	1.106%
55	19.304	2787	2791	2795	rVB	606427	819017	33.07%	3.558%
56	19.380	2800	2804	2813	rVB3	35250	57346	2.32%	0.249%
57	19.486	2818	2822	2827	rVB	46356	53037	2.14%	0.230%
58	19.627	2842	2846	2852	rBV6	34355	84736	3.42%	0.368%
59	19.686	2854	2856	2861	rVV2	29375	30645	1.24%	0.133%
60	19.768	2862	2870	2872	rVV5	27183	53058	2.14%	0.230%
61	19.804	2872	2876	2882	rVB	140430	186613	7.54%	0.811%
62	19.910	2889	2894	2898	rBV	161647	207867	8.39%	0.903%
63	19.962	2898	2903	2908	rVB2	52642	81461	3.29%	0.354%
64	20.151	2931	2935	2938	rBV4	22099	27344	1.10%	0.119%
65	20.521	2994	2998	3000	rBV5	19112	27118	1.10%	0.118%
66	20.727	3029	3033	3036	rBV2	39995	48993	1.98%	0.213%
67	20.762	3036	3039	3043	rVV3	35599	40759	1.65%	0.177%
68	20.809	3043	3047	3051	rVB4	28581	50066	2.02%	0.217%
69	21.080	3085	3093	3097	rBV2	1378767	1994698	80.55%	8.664%
70	21.115	3097	3099	3107	rVB	208094	240315	9.70%	1.044%
71	21.227	3116	3118	3122	rBV2	38502	45933	1.85%	0.200%

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72	21.339	3135	3137	3141	rVB2	30852	34992	1.41%	0.152%
73	21.386	3143	3145	3151	rVB4	29243	41037	1.66%	0.178%
74	22.592	3345	3350	3351	rBV3	51249	84624	3.42%	0.368%
75	23.221	3450	3457	3463	rBV	628754	1081582	43.68%	4.698%

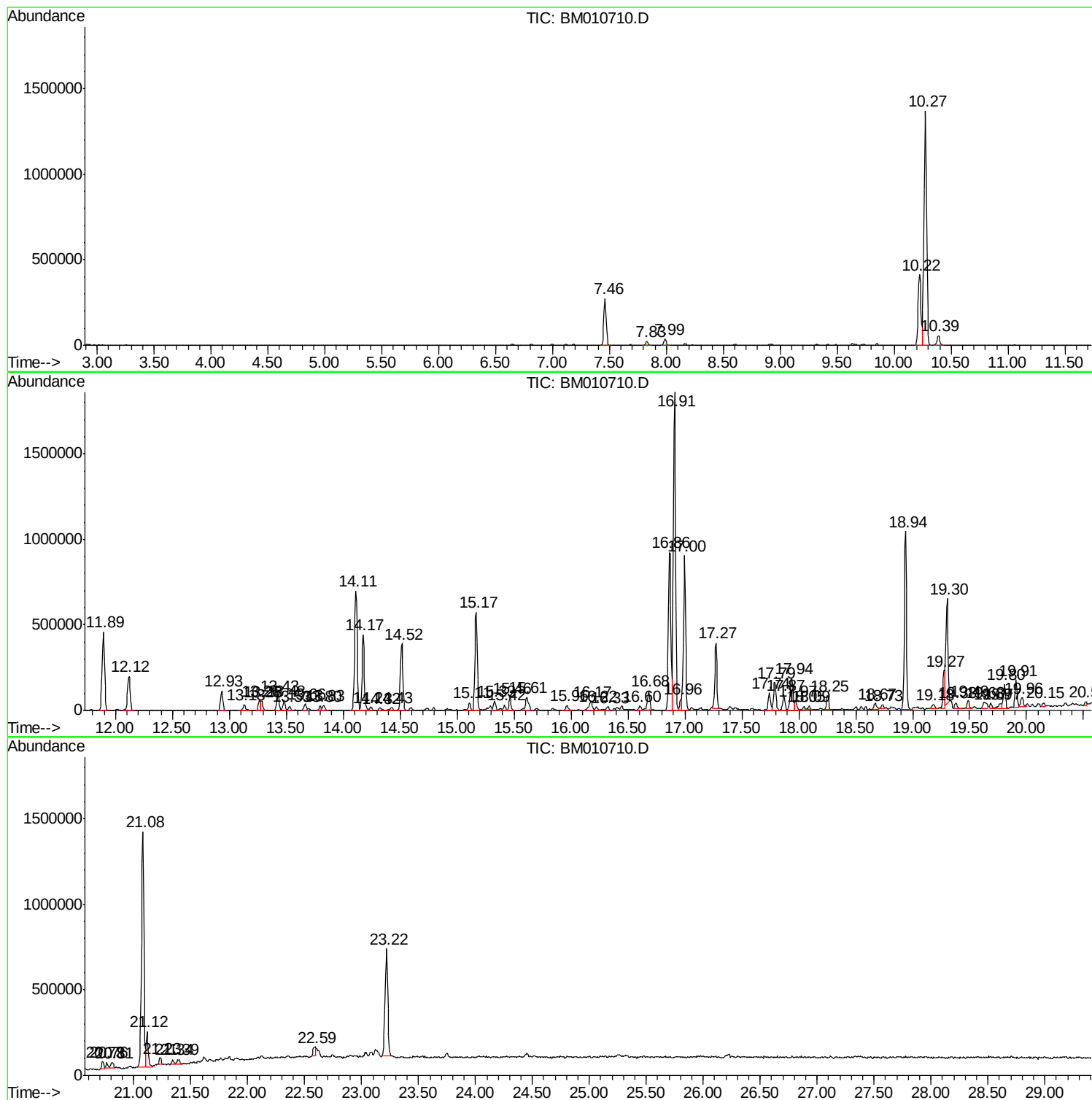
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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



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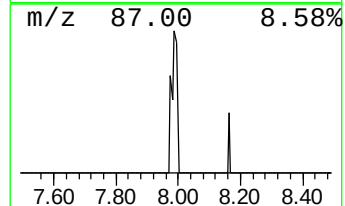
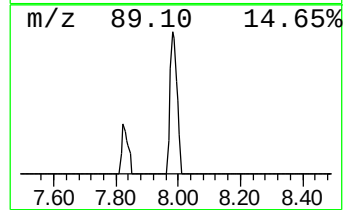
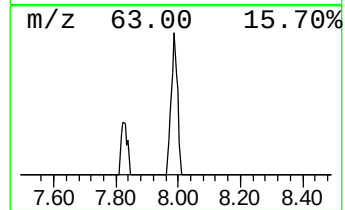
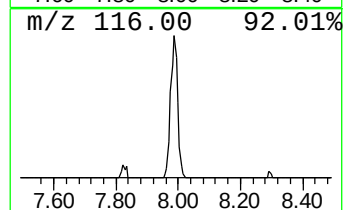
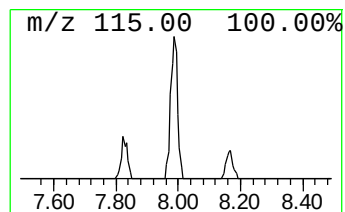
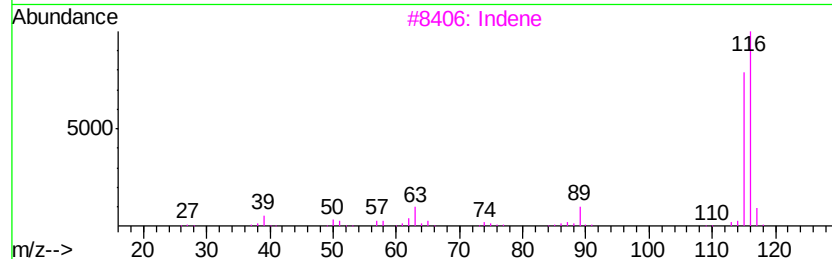
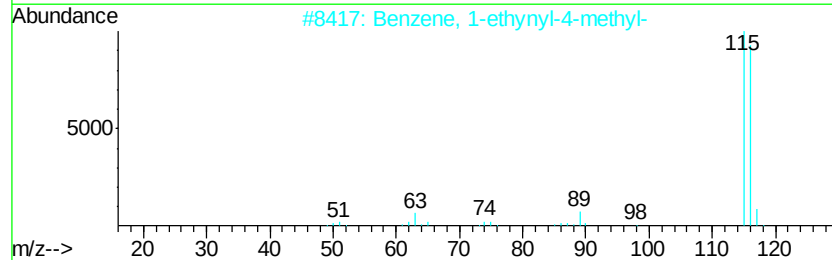
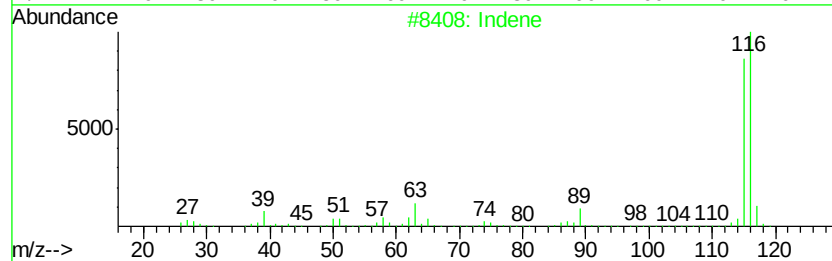
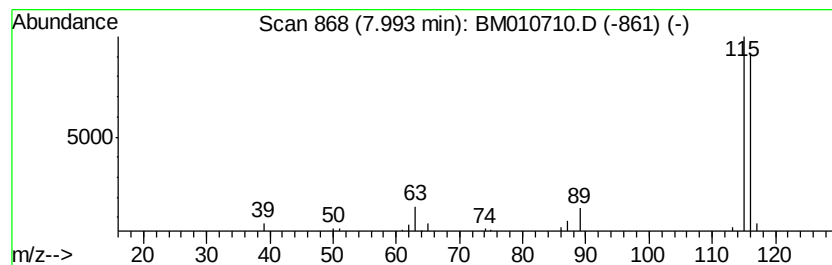
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Indene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.99	2.53 ng/ul	53495	1,4-Dichlorobenzene-d4	7.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indene	116	C9H8	000095-13-6	91
2		Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
3		Indene	116	C9H8	000095-13-6	87
4		Benzene, 1-propynyl-	116	C9H8	000673-32-5	87
5		2-Methylphenylacetylene	116	C9H8	000766-47-2	87



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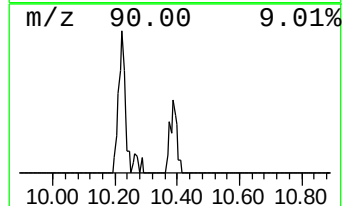
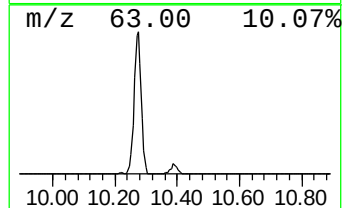
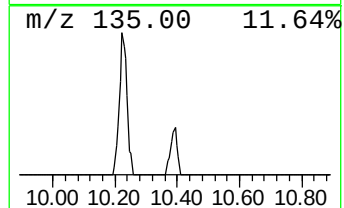
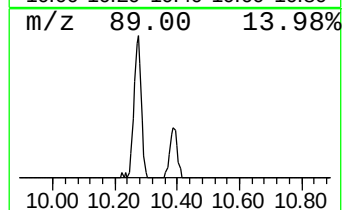
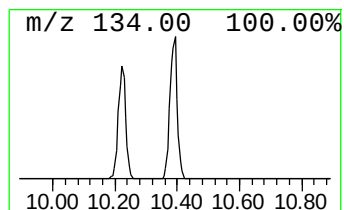
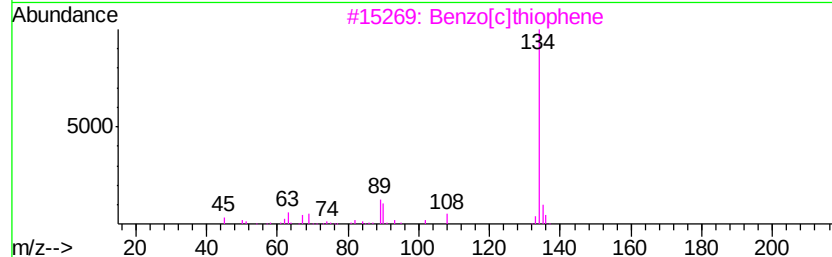
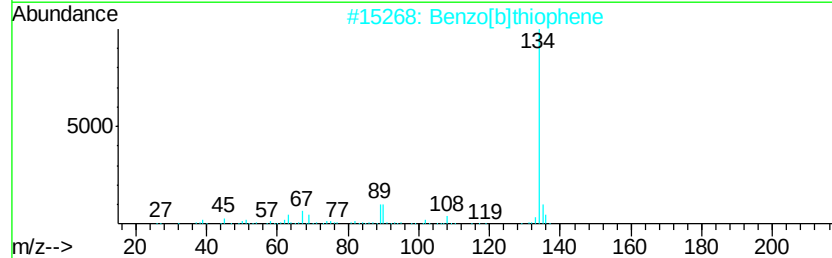
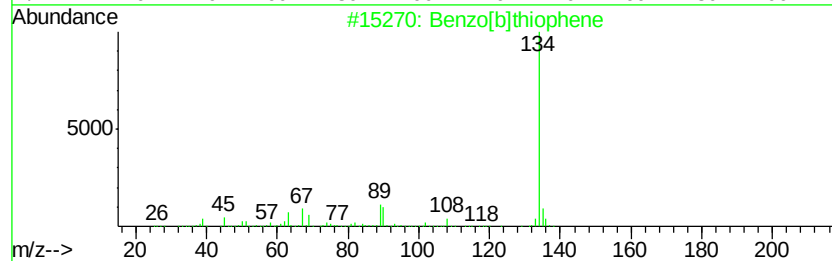
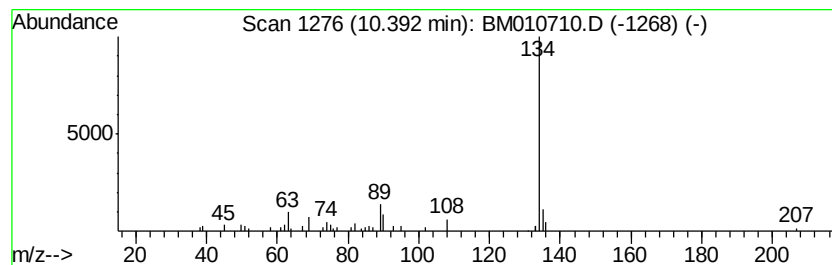
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Quant Title : SVOA CALIBRATION

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

Peak Number 2 Benzo[b]thiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.39	2.82 ng/ul	98812	Napthalene-d8	10.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
2		Benzo[b]thiophene	134	C8H6S	000095-15-8	91
3		Benzo[c]thiophene	134	C8H6S	000270-82-6	90
4		Benzo[b]thiophene	134	C8H6S	000095-15-8	90
5		Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	90



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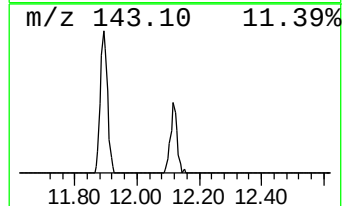
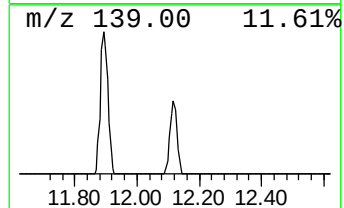
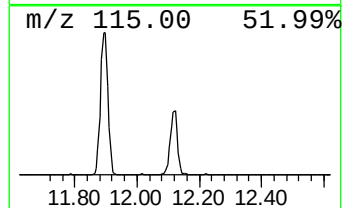
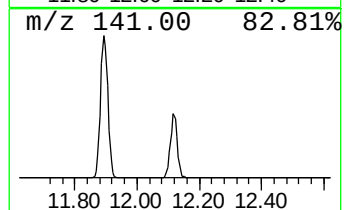
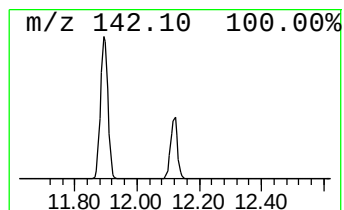
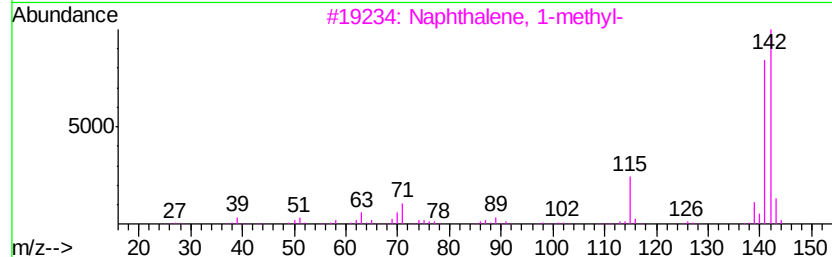
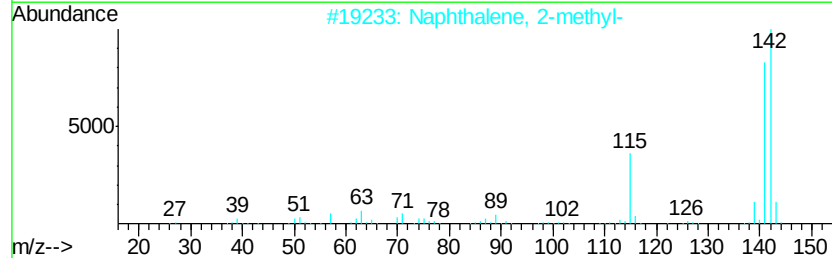
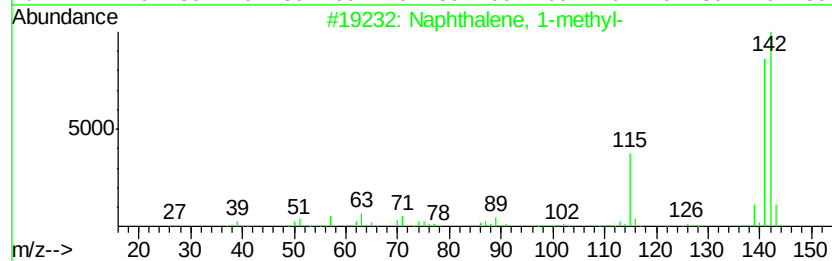
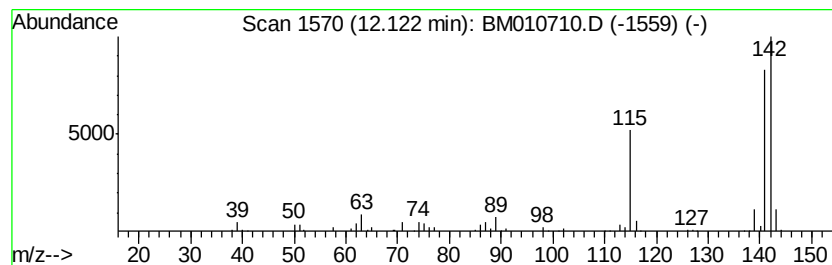
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TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.12	9.21 ng/ul	322468	Naphthalene-d8	10.22		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94



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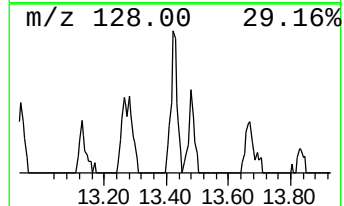
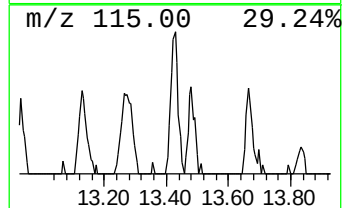
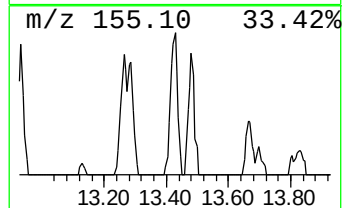
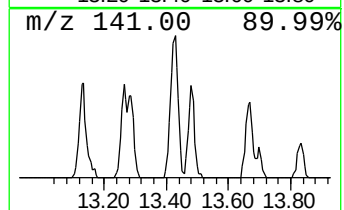
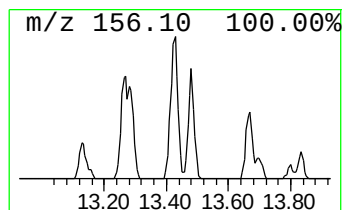
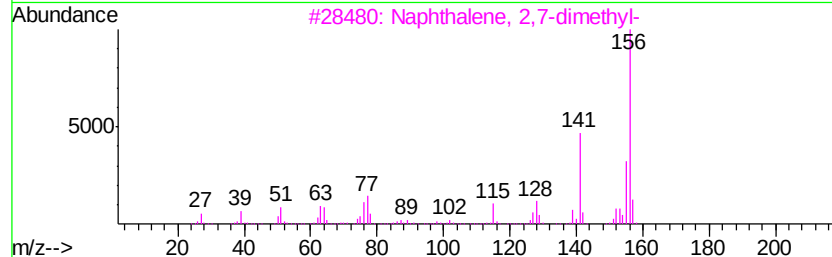
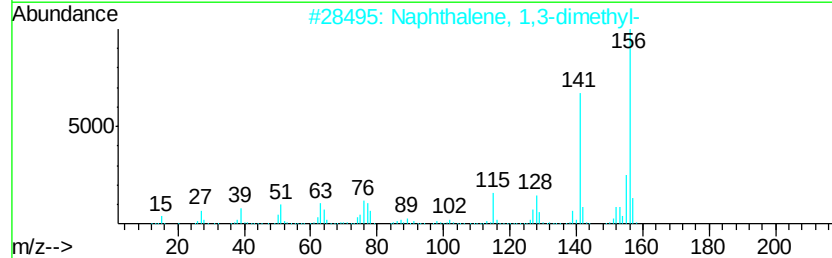
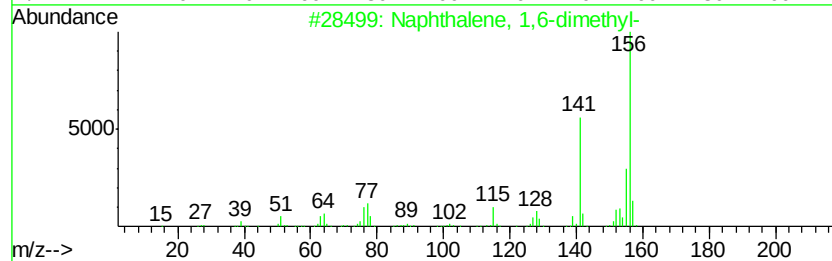
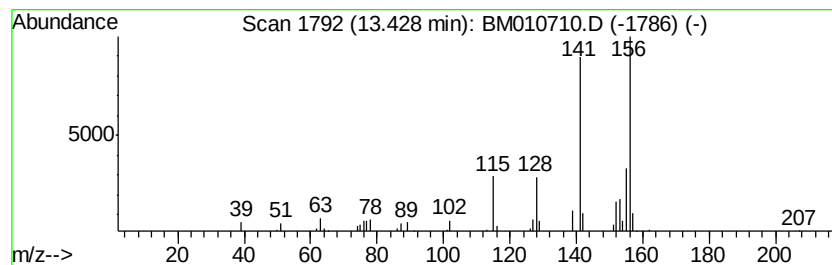
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F5C81ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.43	2.62 ng/ul	142433	Acenaphthene-d10		14.11
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010710.D
Acq On : 24 Jun 2017 03:14
Operator : SJ/JU
Sample : I3625-14ME 20X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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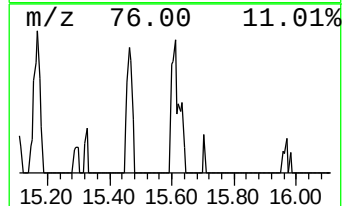
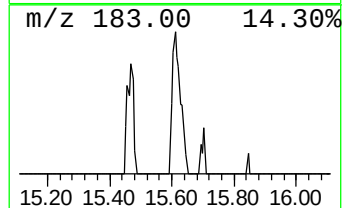
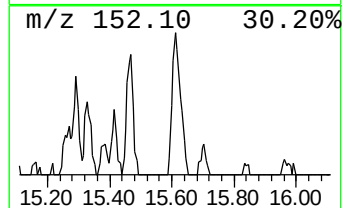
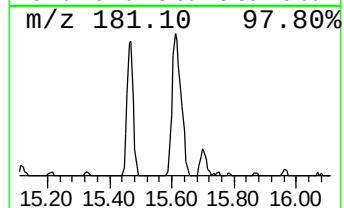
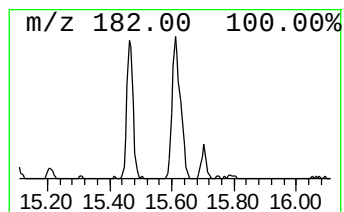
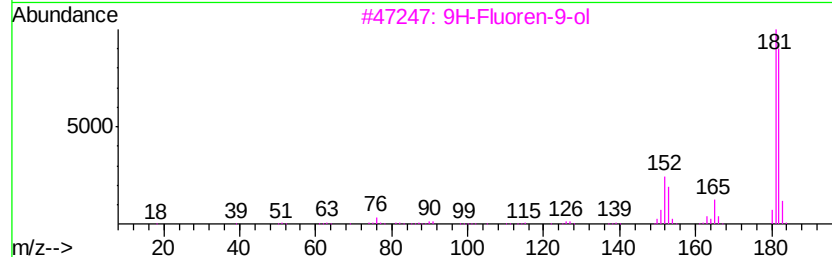
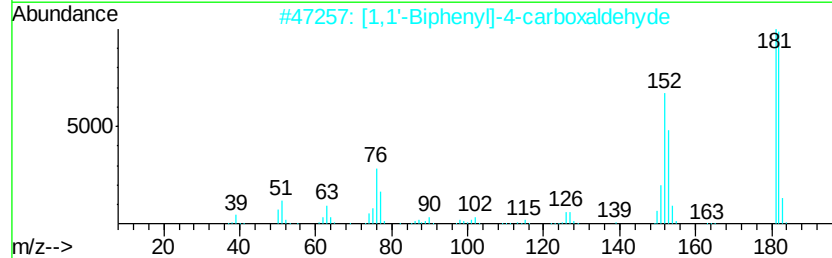
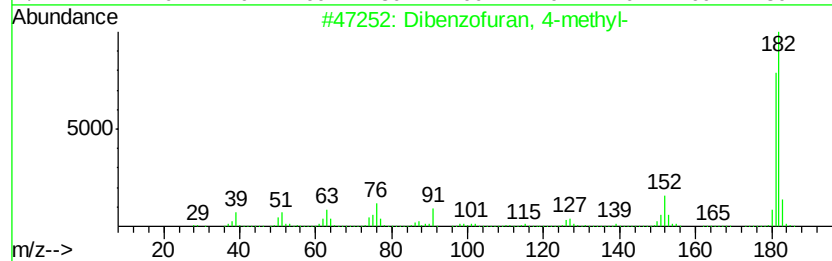
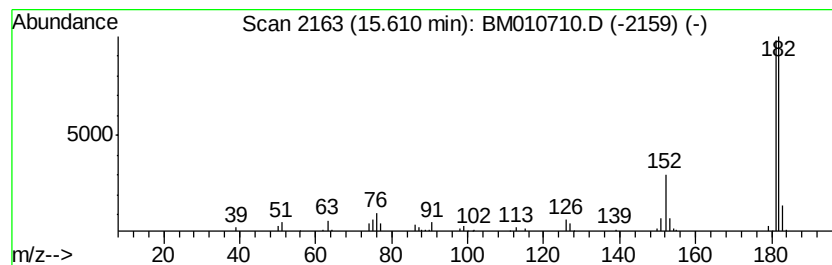
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Dibenzofuran, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	2.17 ng/ul	149018	Phenanthrene-d10	16.86

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	76



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010710.D
Acq On : 24 Jun 2017 03:14
Operator : SJ/JU
Sample : I3625-14ME 20X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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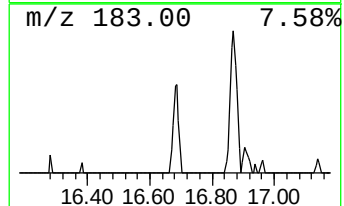
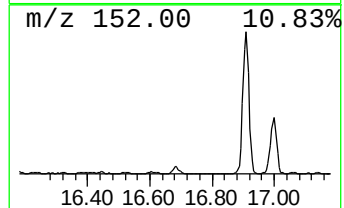
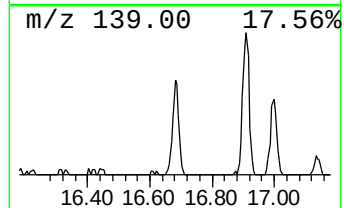
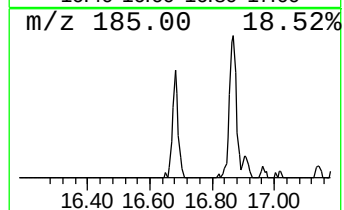
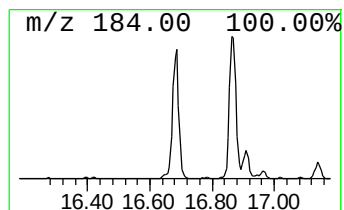
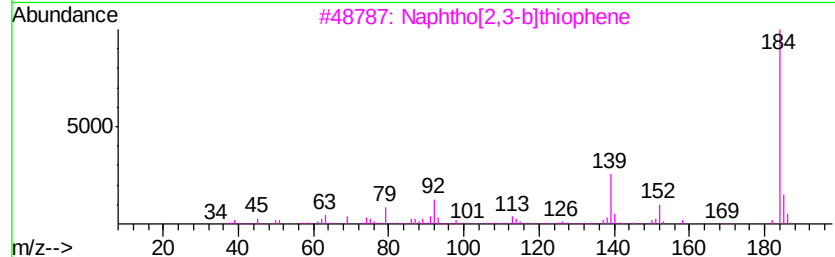
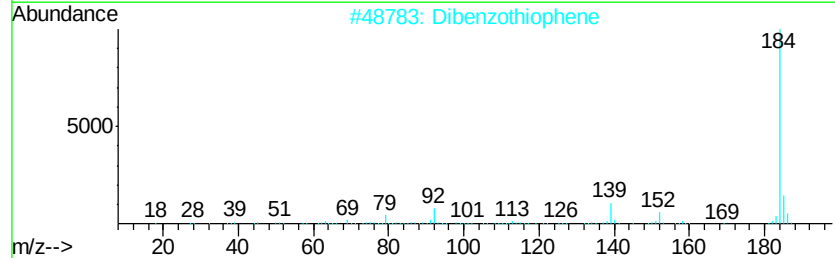
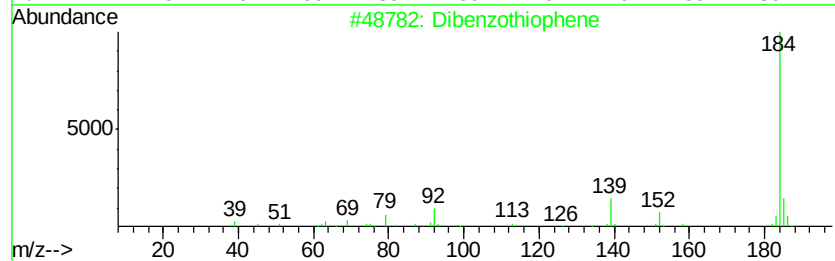
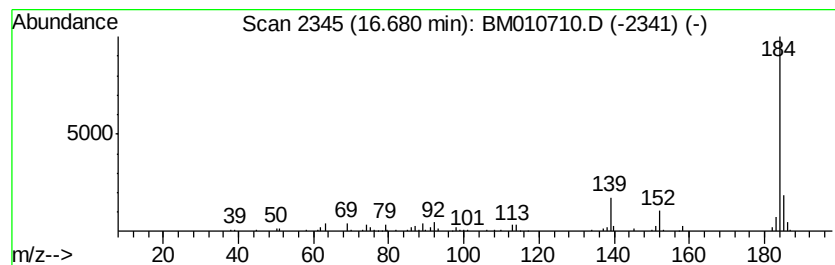
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.
16.68	2.31 ng/ul	158644	Phenanthrene-d10		16.86

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010710.D
Acq On : 24 Jun 2017 03:14
Operator : SJ/JU
Sample : I3625-14ME 20X
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ALS Vial : 27 Sample Multiplier: 1

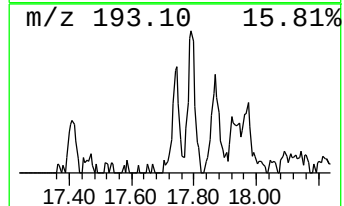
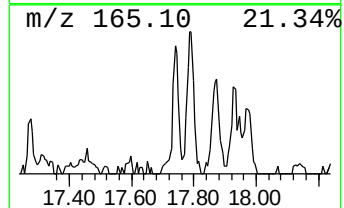
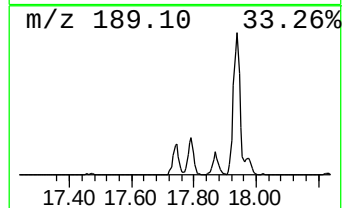
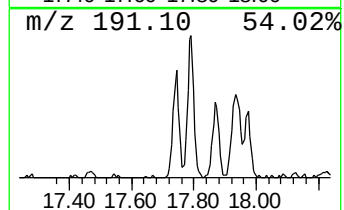
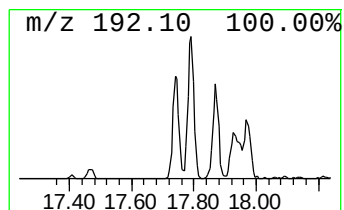
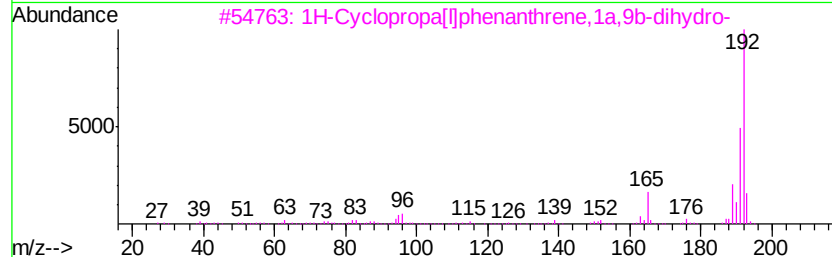
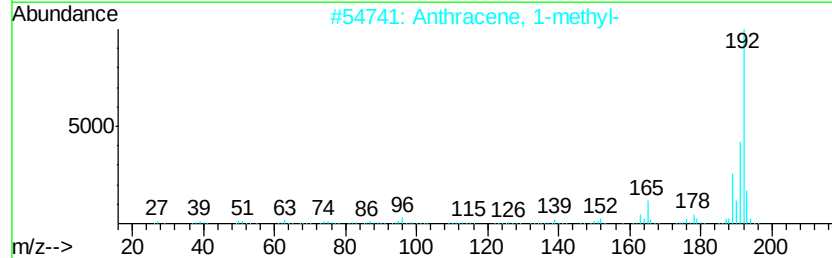
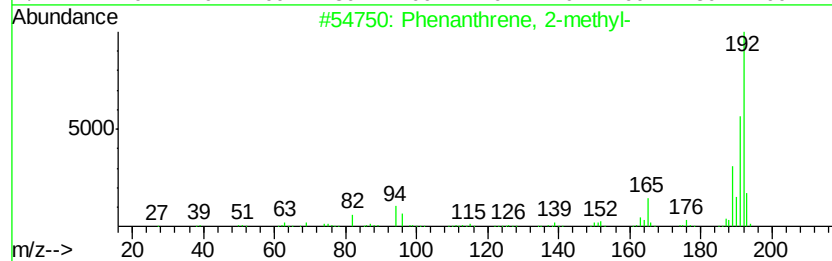
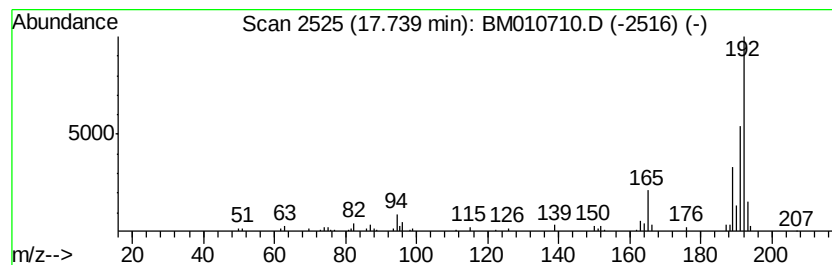
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.74	2.20 ng/ul	150967	Phenanthrene-d10	16.86	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010710.D
Acq On : 24 Jun 2017 03:14
Operator : SJ/JU
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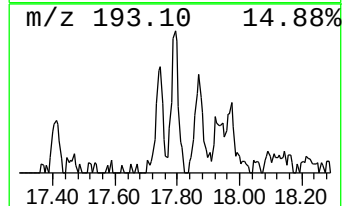
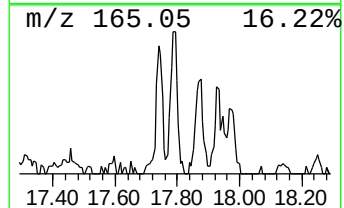
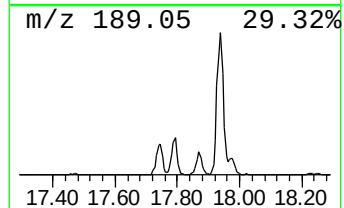
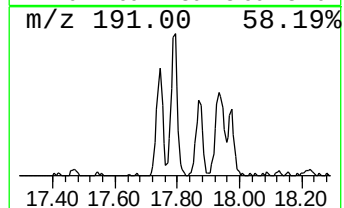
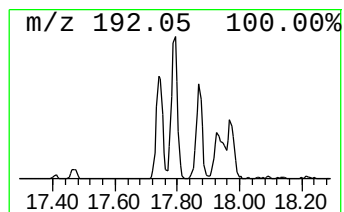
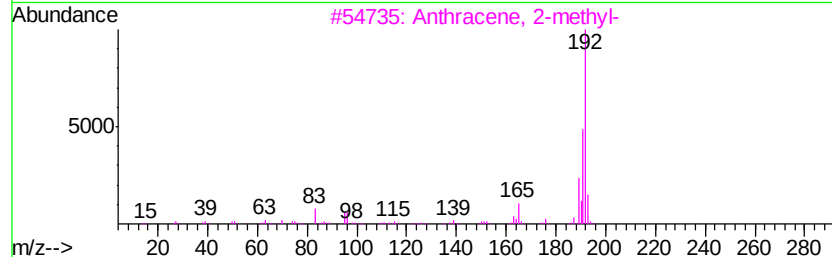
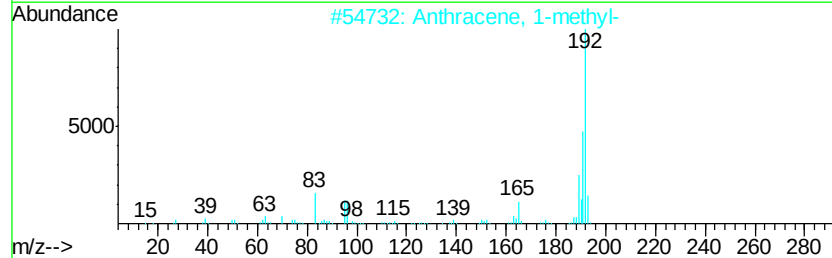
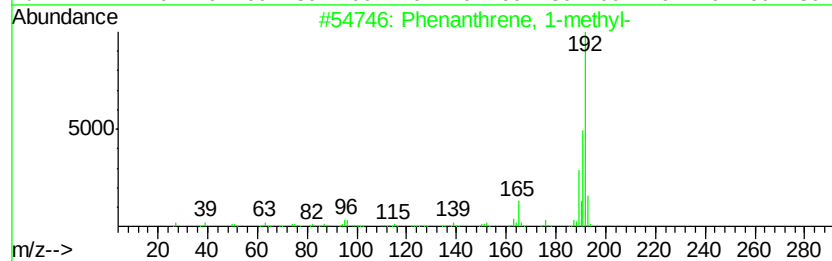
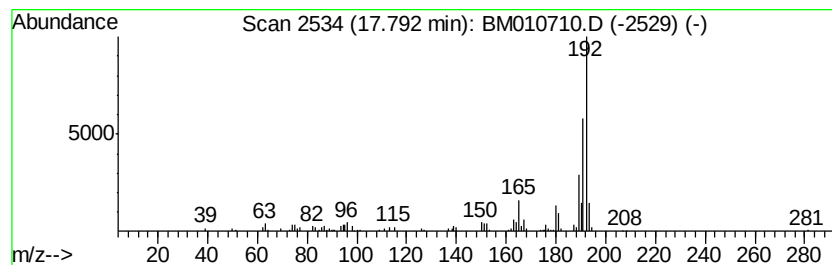
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	3.36 ng/ul	231088	Phenanthrene-d10	16.86

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	90



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010710.D
Acq On : 24 Jun 2017 03:14
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Misc :
ALS Vial : 27 Sample Multiplier: 1

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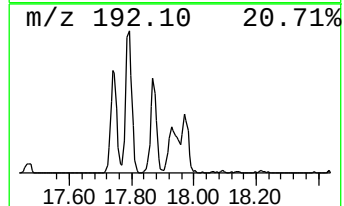
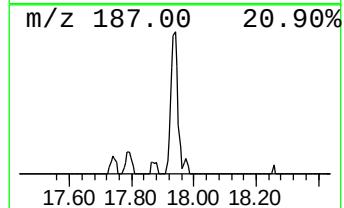
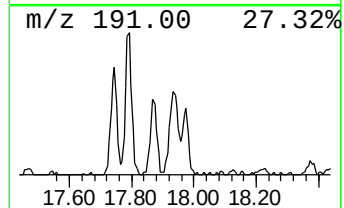
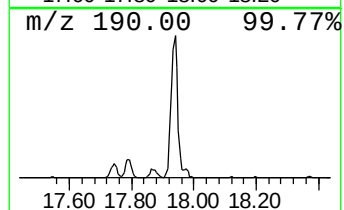
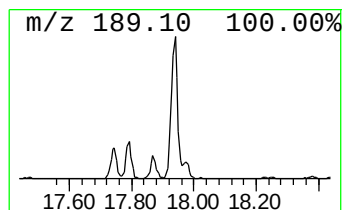
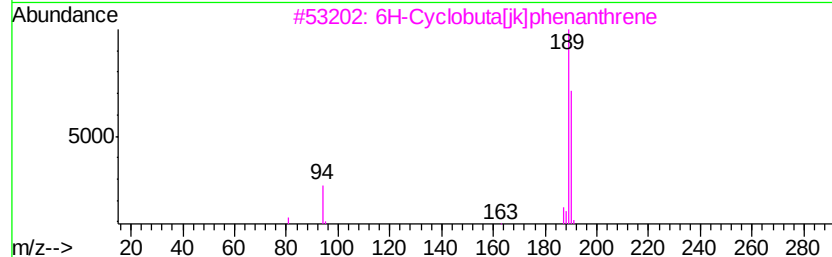
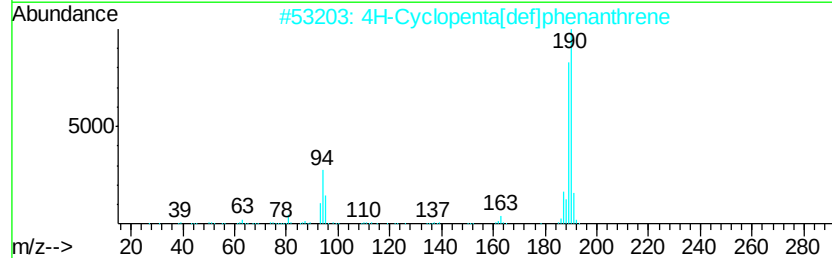
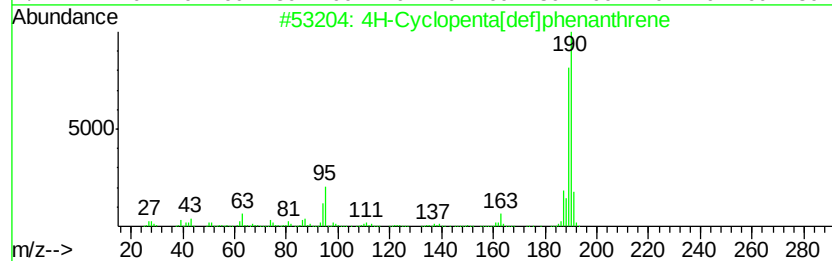
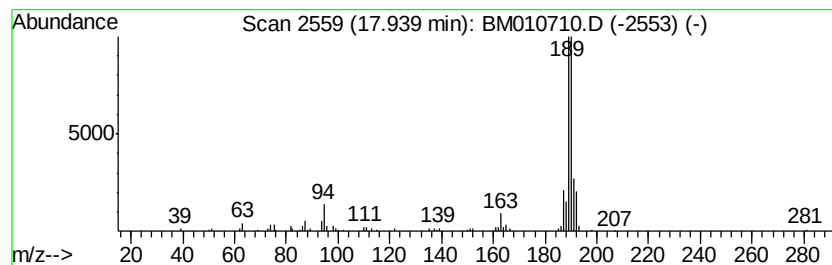
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	4.67 ng/ul	320949	Phenanthrene-d10	16.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
3		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
4		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
5		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
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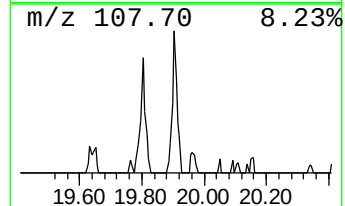
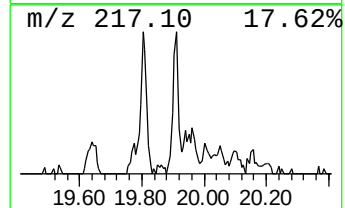
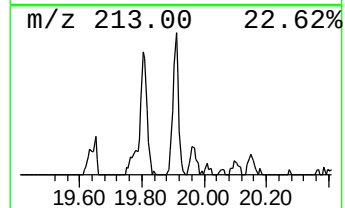
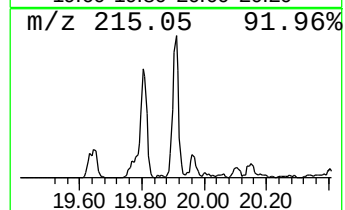
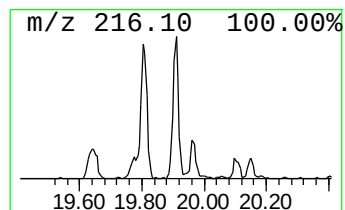
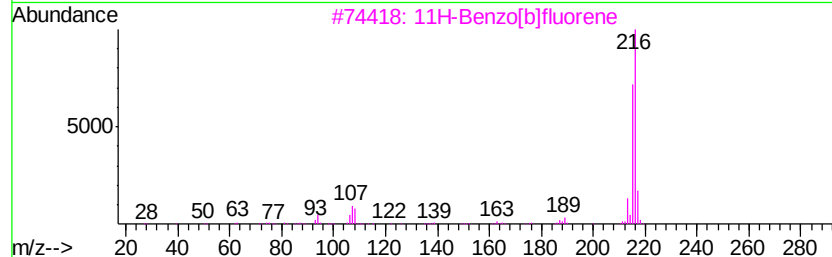
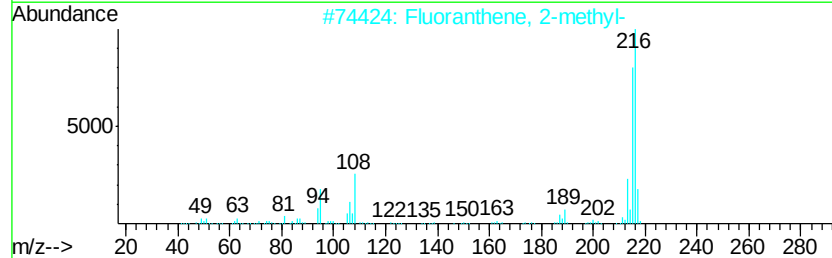
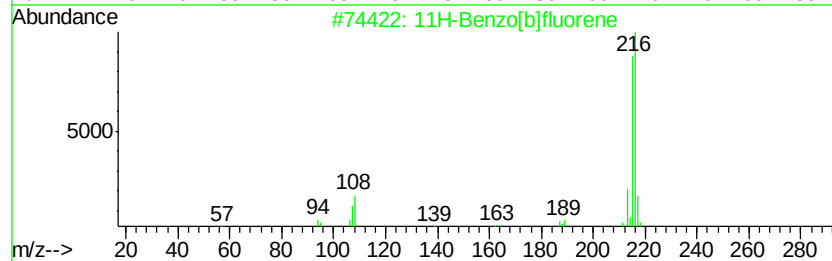
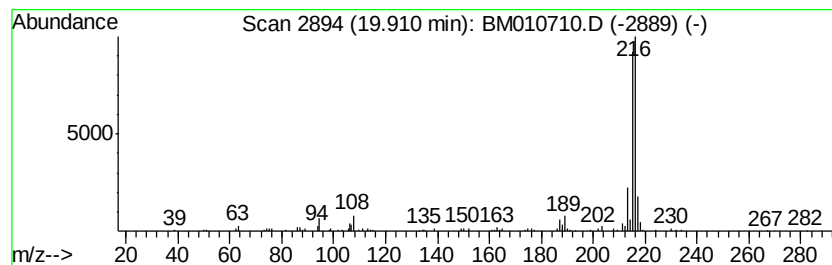
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.91	2.08 ng/ul	207867	Chrysene-d12	21.08

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
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Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.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
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Benzo[b]thiophene	10.39	2.8	ng/ul	98812	2	10.22	700131	20.0
Naphthalene, 1-me...	12.12	9.2	ng/ul	322468	2	10.22	700131	20.0
Naphthalene, 1,6-...	13.43	2.6	ng/ul	142433	3	14.11	1086320	20.0
Dibenzofuran, 4-m...	15.61	2.2	ng/ul	149018	4	16.86	1374160	20.0
Dibenzothiophene	16.68	2.3	ng/ul	158644	4	16.86	1374160	20.0
Phenanthrene, 2-m...	17.74	2.2	ng/ul	150967	4	16.86	1374160	20.0
Phenanthrene, 1-m...	17.79	3.4	ng/ul	231088	4	16.86	1374160	20.0
4H-Cyclopenta[def...	17.94	4.7	ng/ul	320949	4	16.86	1374160	20.0
11H-Benzo[b]fluorene	19.91	2.1	ng/ul	207867	5	21.08	1994700	20.0