

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062117\
 Data File : BM010647.D
 Acq On : 22 Jun 2017 05:38
 Operator : SJ/JU
 Sample : I3558-17ME 10X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5D33MEDL

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	7.463	771	778	785	rBB	303653	462339	16.09%	1.683%
2	7.828	835	840	846	rBB	23613	33692	1.17%	0.123%
3	7.993	862	868	874	rBB	37517	57714	2.01%	0.210%
4	10.228	1240	1248	1251	rBV	447228	717111	24.96%	2.610%
5	10.275	1251	1256	1264	rVV	1614322	2684797	93.46%	9.773%
6	10.392	1267	1276	1284	rVB2	67747	134908	4.70%	0.491%
7	11.898	1525	1532	1541	rBB	638352	978327	34.06%	3.561%
8	12.122	1558	1570	1576	rBB	304386	465455	16.20%	1.694%
9	12.939	1703	1709	1714	rVB	153842	217898	7.59%	0.793%
10	13.133	1737	1742	1752	rVB2	46298	76019	2.65%	0.277%
11	13.269	1759	1765	1766	rBV2	76331	102939	3.58%	0.375%
12	13.427	1786	1792	1797	rBV	116377	196599	6.84%	0.716%
13	13.486	1797	1802	1806	rVV	75547	111168	3.87%	0.405%
14	13.533	1806	1810	1815	rVB2	46275	58845	2.05%	0.214%
15	13.669	1829	1833	1836	rBV2	43550	65395	2.28%	0.238%
16	13.798	1850	1855	1858	rBV	44670	66669	2.32%	0.243%
17	13.833	1858	1861	1868	rVB2	43988	57968	2.02%	0.211%
18	14.116	1901	1909	1914	rBV2	720658	1159129	40.35%	4.219%
19	14.180	1914	1920	1928	rVB	534315	785731	27.35%	2.860%
20	14.245	1928	1931	1936	rVB2	28401	33310	1.16%	0.121%
21	14.322	1940	1944	1949	rBV4	21599	38838	1.35%	0.141%
22	14.427	1954	1962	1967	rBB3	24509	41335	1.44%	0.150%
23	14.516	1967	1977	1983	rBV	510568	714693	24.88%	2.602%
24	14.598	1985	1991	1996	rBV2	23117	29431	1.02%	0.107%
25	15.116	2073	2079	2083	rBV2	74999	103804	3.61%	0.378%
26	15.169	2083	2088	2094	rVB	652237	889927	30.98%	3.239%
27	15.333	2112	2116	2121	rVB2	68430	90972	3.17%	0.331%
28	15.421	2127	2131	2135	rVV	28993	36292	1.26%	0.132%
29	15.469	2135	2139	2146	rVB	93830	127275	4.43%	0.463%
30	15.616	2159	2164	2172	rVB	105057	191962	6.68%	0.699%
31	15.963	2219	2223	2231	rVB5	30186	44682	1.56%	0.163%
32	16.180	2250	2260	2264	rBV2	63882	130226	4.53%	0.474%
33	16.327	2280	2285	2290	rVB3	27617	42193	1.47%	0.154%
34	16.604	2327	2332	2338	rBV3	33064	59898	2.09%	0.218%

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35	16.686	2341	2346	2351	rVB	134305	184783	6.43%	0.673%
36	16.868	2371	2377	2380	rBV	1014955	1434962	49.95%	5.223%
37	16.910	2380	2384	2390	rVV	2050542	2872592	100.00%	10.457%
38	16.968	2390	2394	2396	rVV2	107051	147450	5.13%	0.537%
39	16.998	2396	2399	2405	rVB	315632	425901	14.83%	1.550%
40	17.063	2405	2410	2415	rBV4	19749	32848	1.14%	0.120%
41	17.274	2441	2446	2451	rBV	207703	268415	9.34%	0.977%
42	17.398	2463	2467	2471	rVV3	24131	29983	1.04%	0.109%
43	17.445	2471	2475	2485	rVB7	13585	30701	1.07%	0.112%
44	17.745	2521	2526	2530	rBV2	132180	173683	6.05%	0.632%
45	17.792	2530	2534	2542	rVB2	215756	293833	10.23%	1.070%
46	17.868	2542	2547	2553	rBV	80634	118821	4.14%	0.433%
47	17.939	2553	2559	2563	rBV2	243443	393056	13.68%	1.431%
48	17.974	2563	2565	2570	rVV	67123	76666	2.67%	0.279%
49	18.257	2608	2613	2618	rBV	91979	125386	4.36%	0.456%
50	18.668	2677	2683	2689	rBV3	45239	81596	2.84%	0.297%
51	18.739	2690	2695	2698	rBV4	27848	44746	1.56%	0.163%
52	18.939	2723	2729	2735	rBV	1319293	1726296	60.10%	6.284%
53	19.186	2765	2771	2776	rVB2	34893	52519	1.83%	0.191%
54	19.280	2781	2787	2788	rBV	318112	434443	15.12%	1.581%
55	19.304	2788	2791	2795	rVB	766058	952317	33.15%	3.467%
56	19.380	2800	2804	2812	rVB3	47931	79979	2.78%	0.291%
57	19.486	2817	2822	2827	rBV	56006	74072	2.58%	0.270%
58	19.633	2841	2847	2853	rVV3	45267	110486	3.85%	0.402%
59	19.692	2853	2857	2860	rVV	35580	44149	1.54%	0.161%
60	19.768	2861	2870	2872	rVV4	34733	88552	3.08%	0.322%
61	19.809	2873	2877	2882	rVB	181073	234426	8.16%	0.853%
62	19.909	2889	2894	2898	rBV	210085	257219	8.95%	0.936%
63	19.962	2898	2903	2908	rVV2	75467	124804	4.34%	0.454%
64	20.009	2908	2911	2915	rVB3	22502	29733	1.04%	0.108%
65	20.104	2923	2927	2931	rBV	24047	29639	1.03%	0.108%
66	20.151	2931	2935	2940	rBV4	26446	45931	1.60%	0.167%
67	20.345	2963	2968	2973	rBV6	28437	49267	1.72%	0.179%
68	20.404	2975	2978	2982	rVV5	24338	37824	1.32%	0.138%
69	20.521	2995	2998	3003	rBV5	23854	36300	1.26%	0.132%
70	20.727	3028	3033	3037	rBV	56930	80266	2.79%	0.292%
71	20.768	3037	3040	3043	rVV3	53983	66591	2.32%	0.242%

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Peak Location: TOP

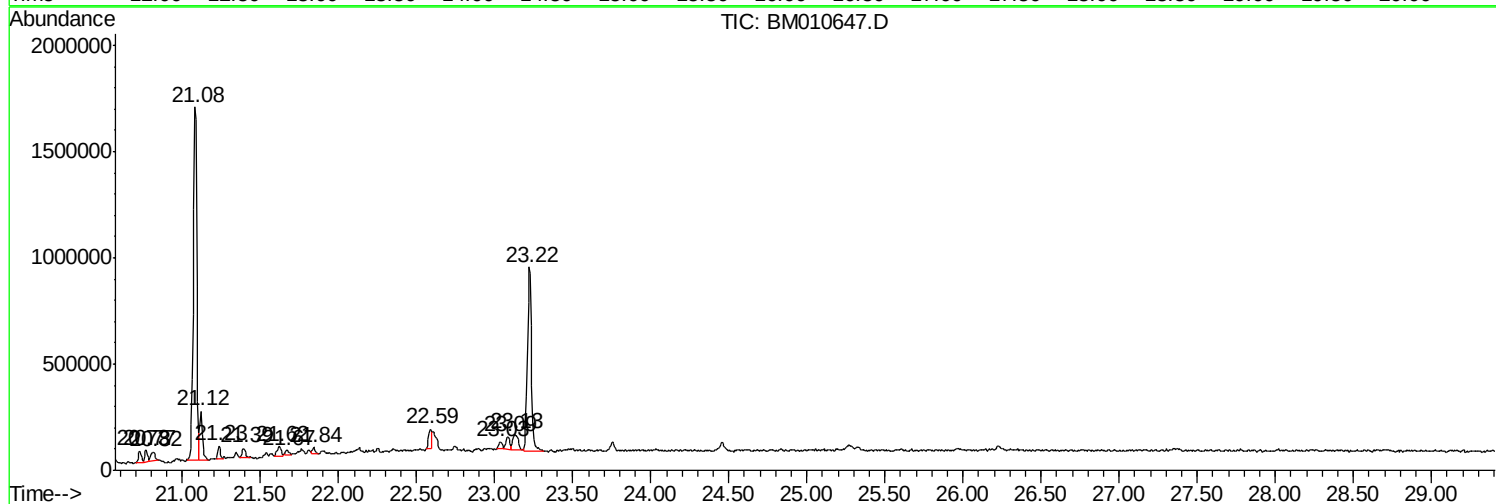
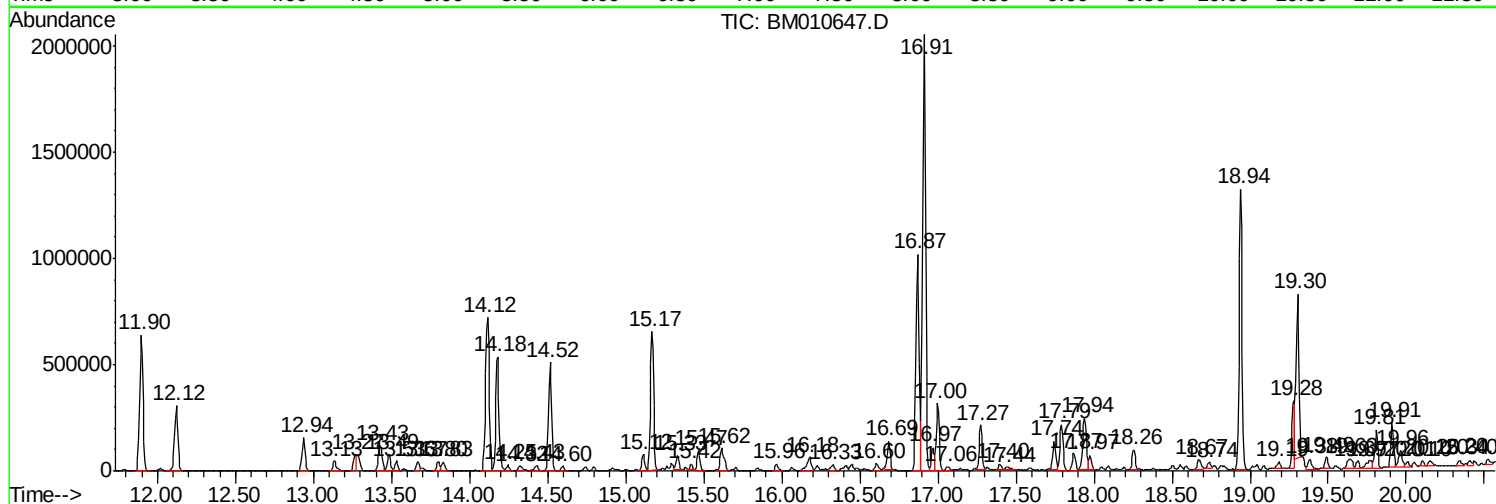
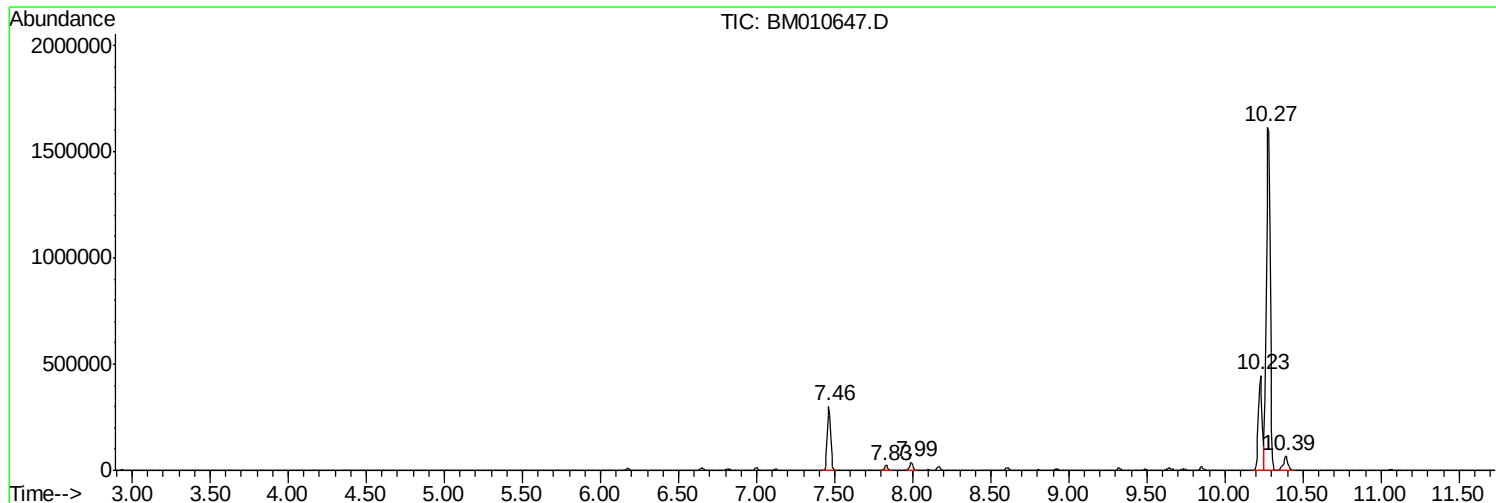
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Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Title : SVOA CALIBRATION

72	20.815	3043	3048	3052	rVB2	41357	80767	2.81%	0.294%
73	21.080	3085	3093	3097	rBV2	1658822	2460917	85.67%	8.958%
74	21.115	3097	3099	3107	rVB	230166	299393	10.42%	1.090%
75	21.233	3116	3119	3123	rBV2	64484	69334	2.41%	0.252%
76	21.392	3142	3146	3152	rVB3	45762	70748	2.46%	0.258%
77	21.621	3179	3185	3189	rBV2	43414	73848	2.57%	0.269%
78	21.668	3191	3193	3198	rVB6	22186	30706	1.07%	0.112%
79	21.839	3220	3222	3227	rVB5	32319	38972	1.36%	0.142%
80	22.586	3345	3349	3351	rBV	90207	129570	4.51%	0.472%
81	23.033	3422	3425	3429	rBV2	32447	49945	1.74%	0.182%
82	23.086	3429	3434	3437	rVV3	59242	96908	3.37%	0.353%
83	23.127	3437	3441	3449	rVV2	72960	174358	6.07%	0.635%
84	23.221	3451	3457	3472	rVB	868389	1598229	55.64%	5.818%

Sum of corrected areas: 27471471

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TIC Library      : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P
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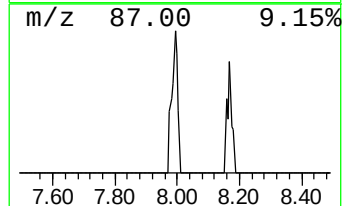
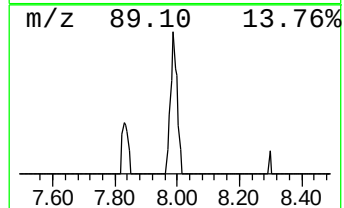
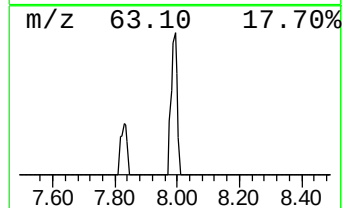
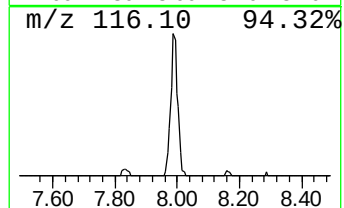
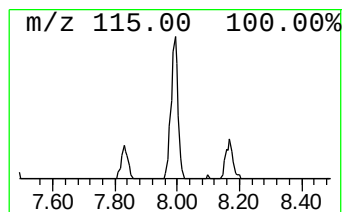
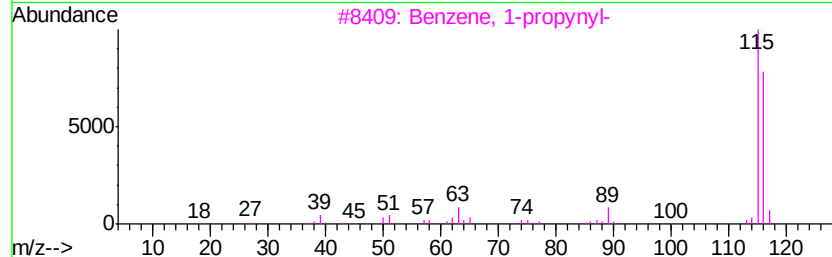
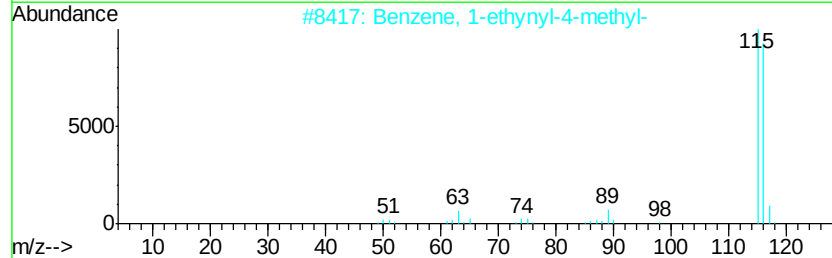
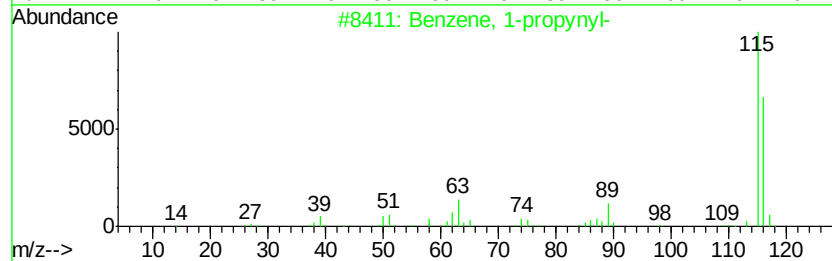
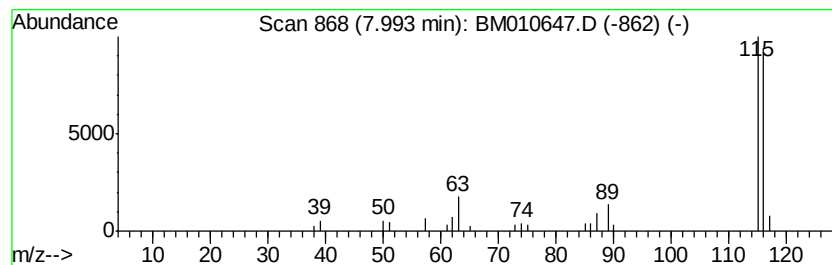
Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Benzene, 1-propynyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
7.99	2.50 ng/ul	57714	1,4-Dichlorobenzene-d4	7.46	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
2	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	86
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	86
4	Indene	116	C9H8	000095-13-6	86
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	86



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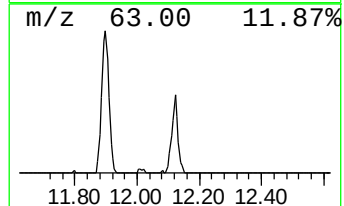
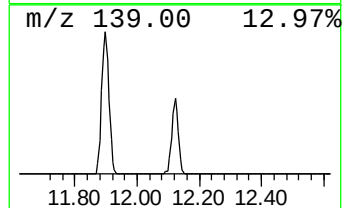
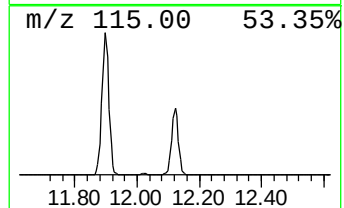
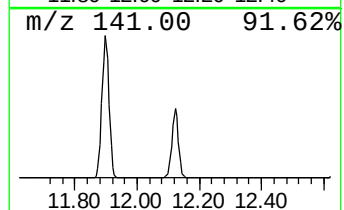
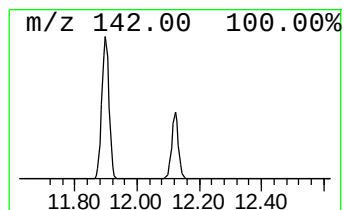
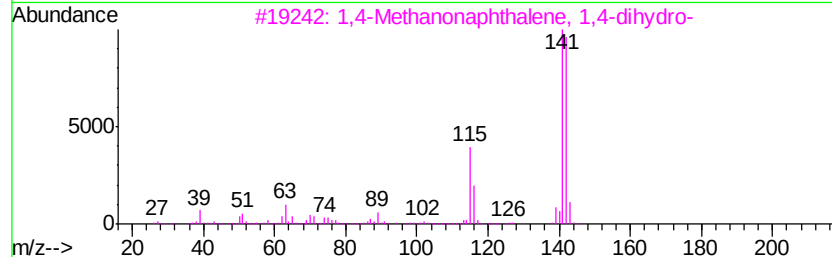
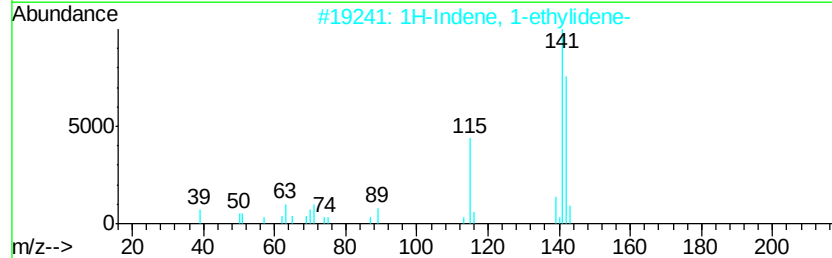
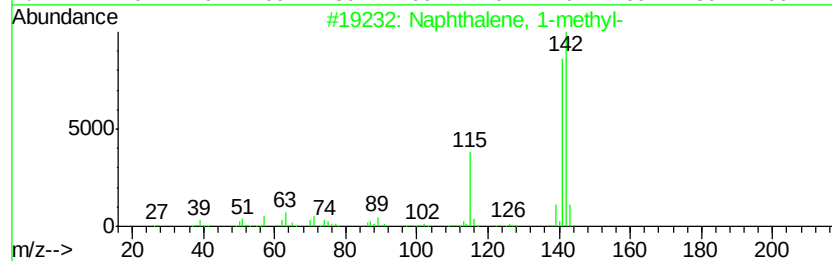
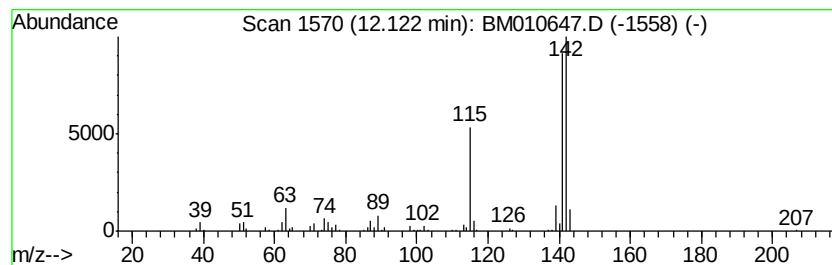
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	12.98 ng/ul	465455	Naphthalene-d8	10.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	94
3		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5		Benzocycloheptatriene	142	C11H10	000264-09-5	94



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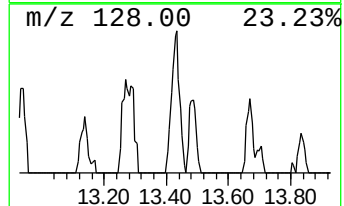
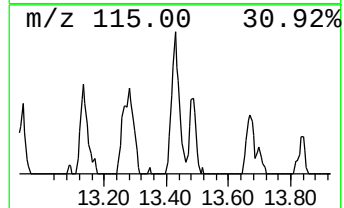
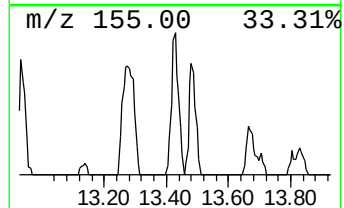
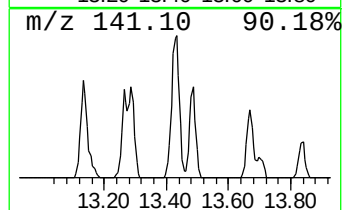
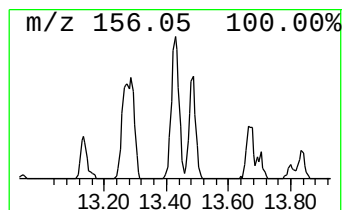
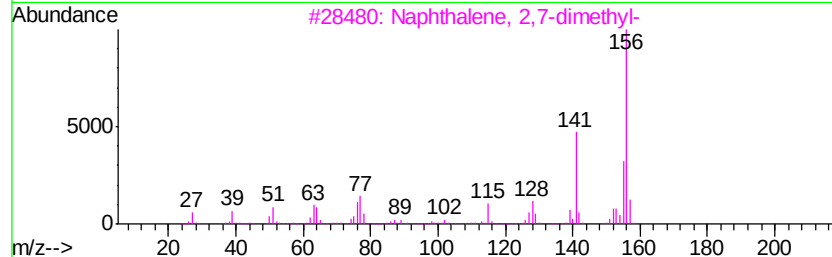
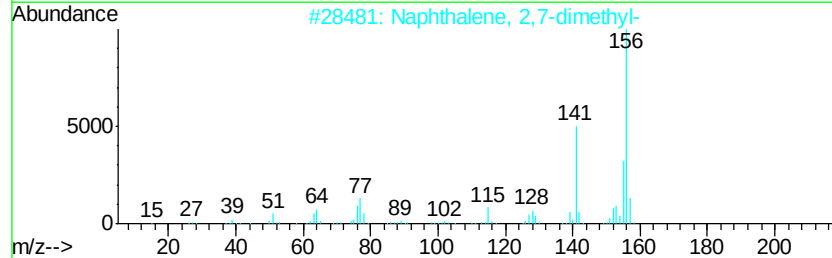
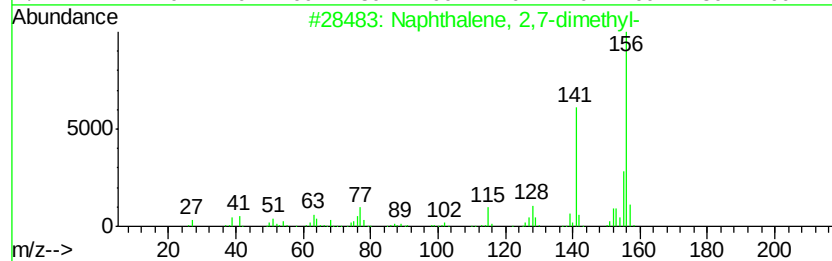
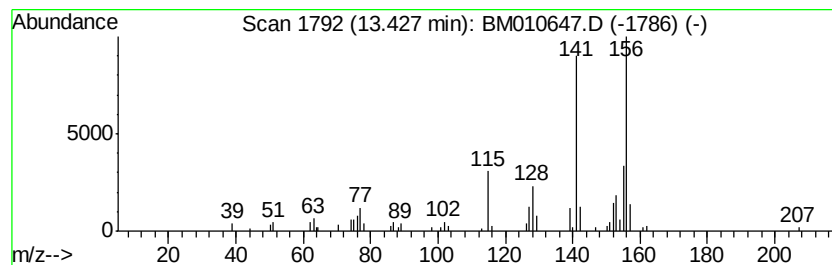
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Quant Title : SVOA CALIBRATION

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

Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	3.39 ng/ul	196599	Acenaphthene-d10	14.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95



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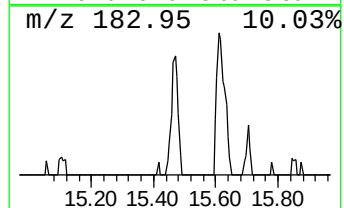
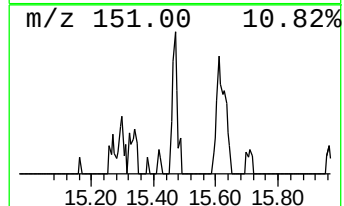
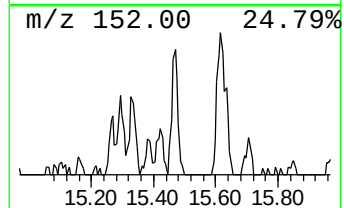
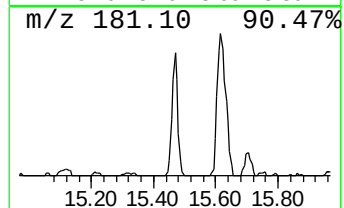
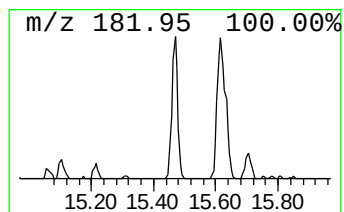
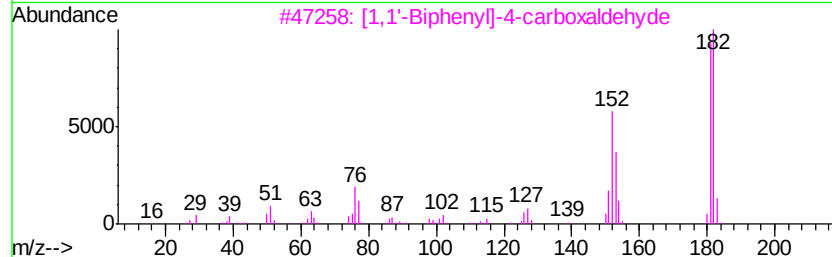
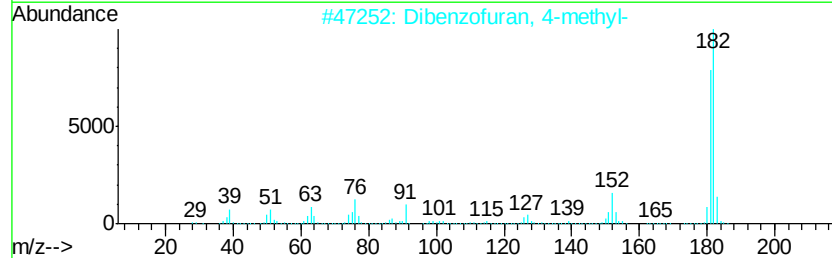
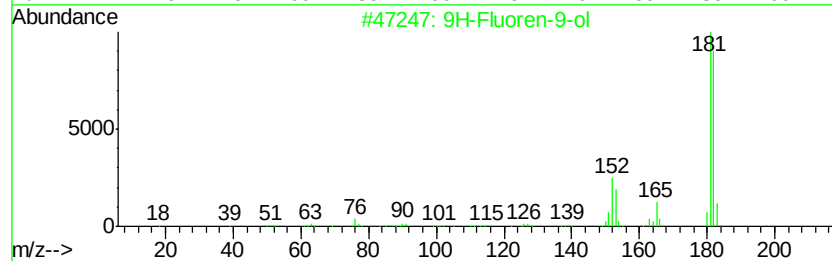
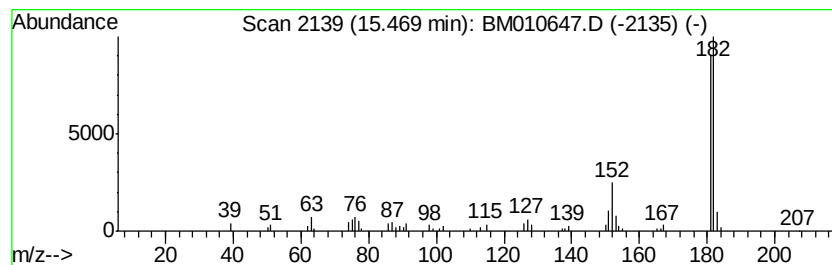
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 9H-Fluoren-9-ol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	2.20 ng/ul	127275	Acenaphthene-d10	14.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
2		Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
3		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
4		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062117\
Data File : BM010647.D
Acq On : 22 Jun 2017 05:38
Operator : SJ/JU
Sample : I3558-17ME 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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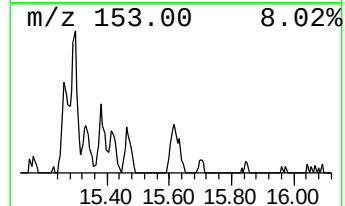
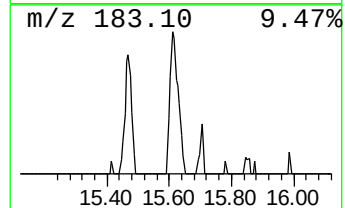
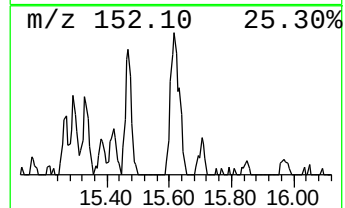
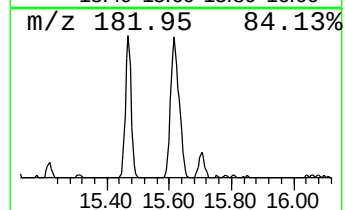
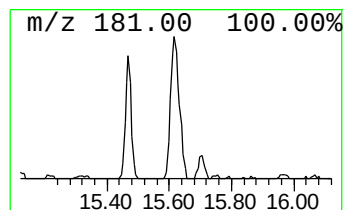
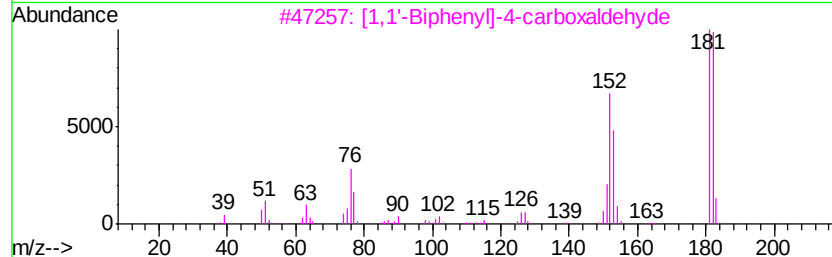
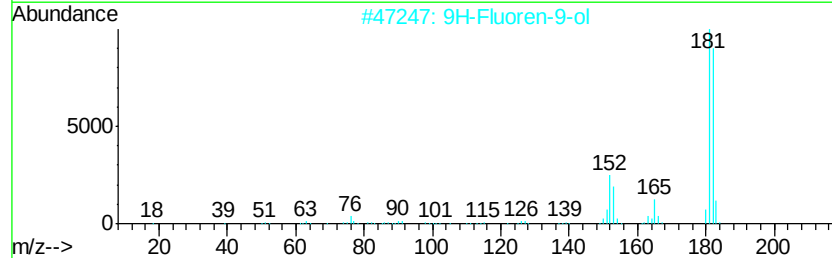
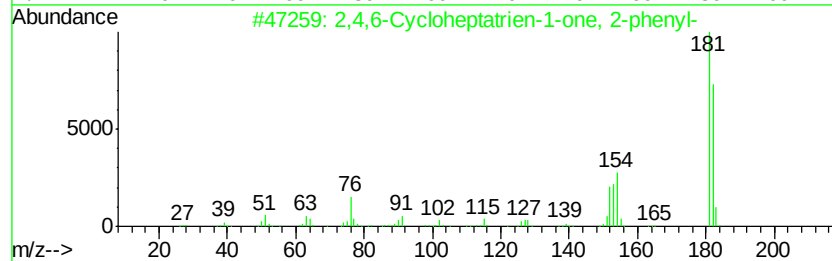
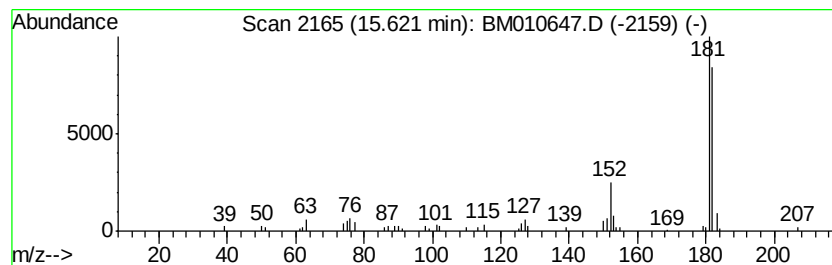
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 2,4,6-Cycloheptatrien-1-one... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	2.68 ng/ul	191962	Phenanthrene-d10	16.87

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
2		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
4		Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	64
5		Norharmene, N-methyl-	182	C12H10N2	1000374-78-6	64



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062117\
Data File : BM010647.D
Acq On : 22 Jun 2017 05:38
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Misc :
ALS Vial : 31 Sample Multiplier: 1

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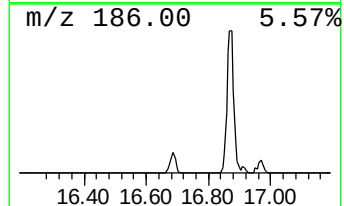
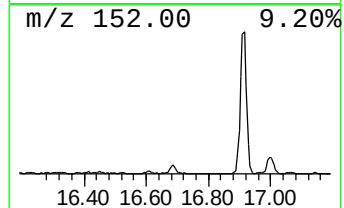
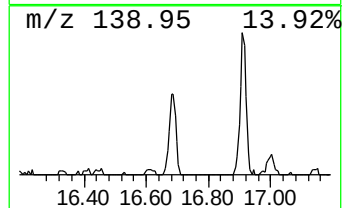
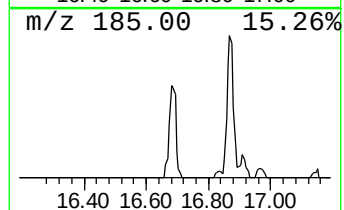
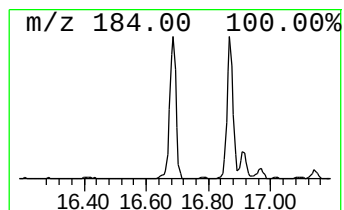
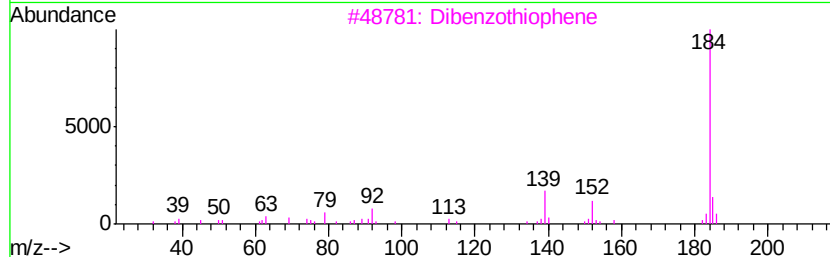
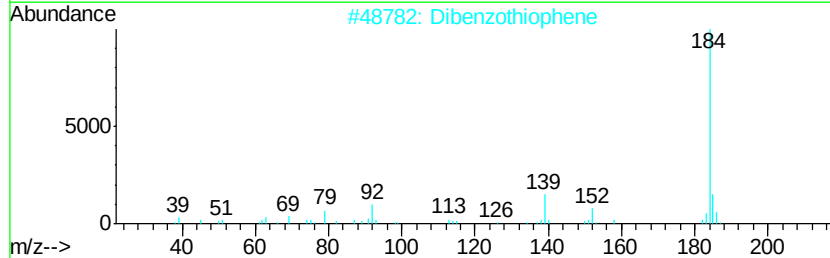
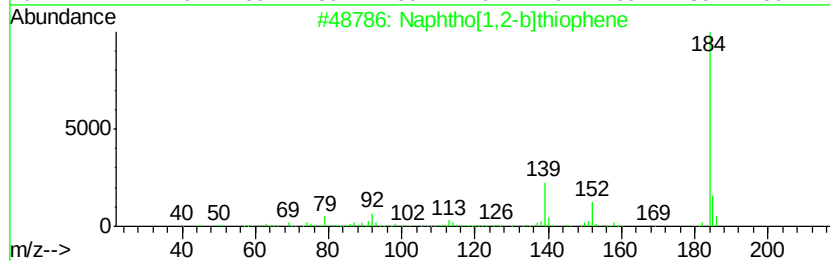
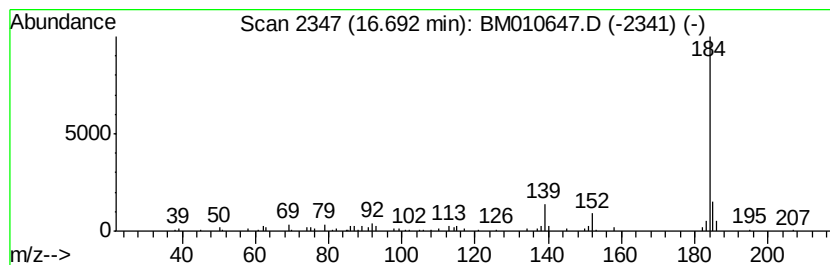
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	2.58 ng/ul	184783	Phenanthrene-d10	16.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
2		Dibenzothiophene	184	C12H8S	000132-65-0	94
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	91



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062117\
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Sample : I3558-17ME 10X
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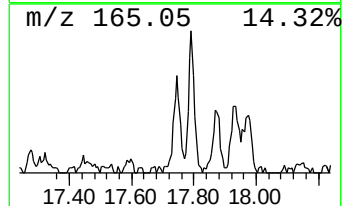
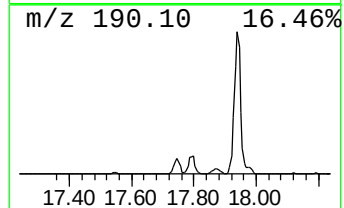
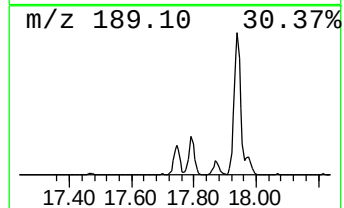
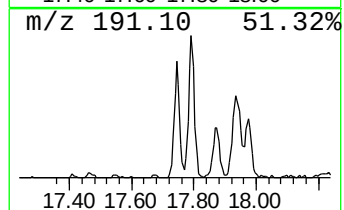
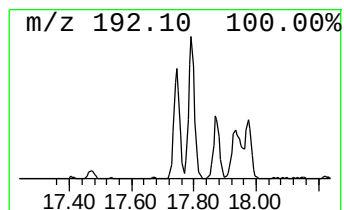
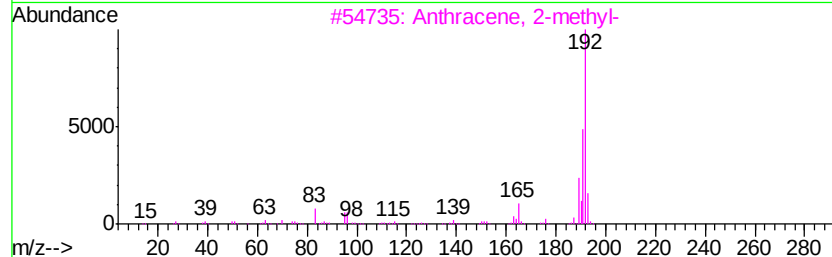
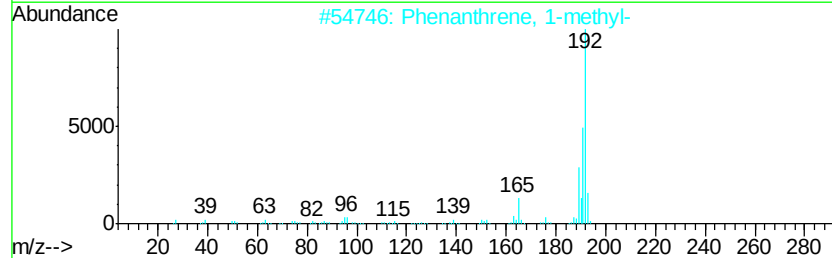
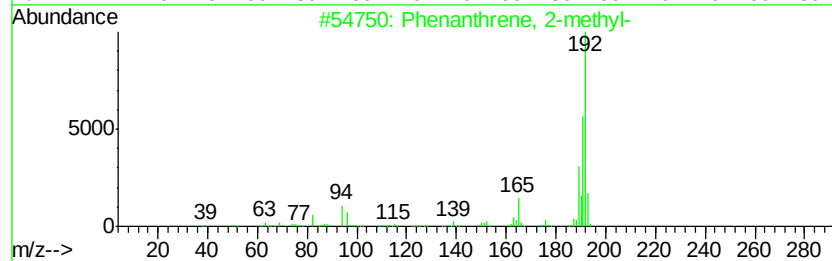
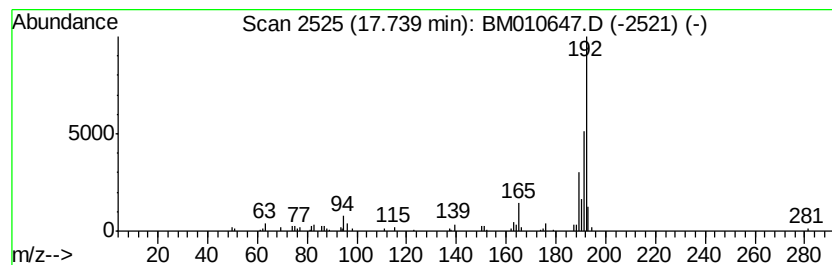
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.74	2.42 ng/ul	173683	Phenanthrene-d10	16.87	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062117\
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Misc :
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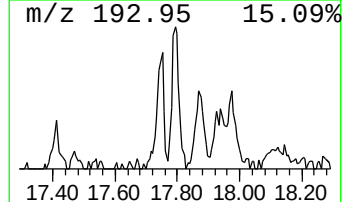
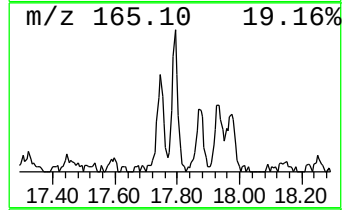
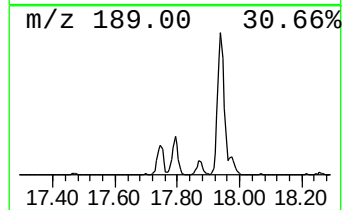
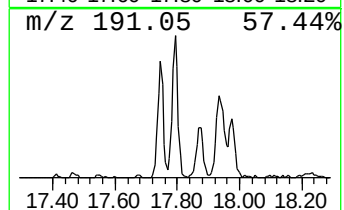
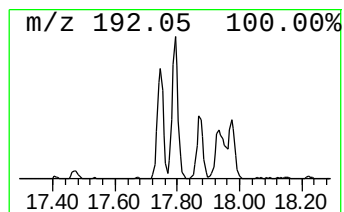
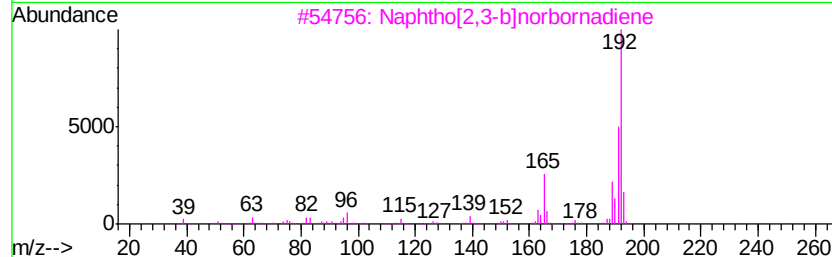
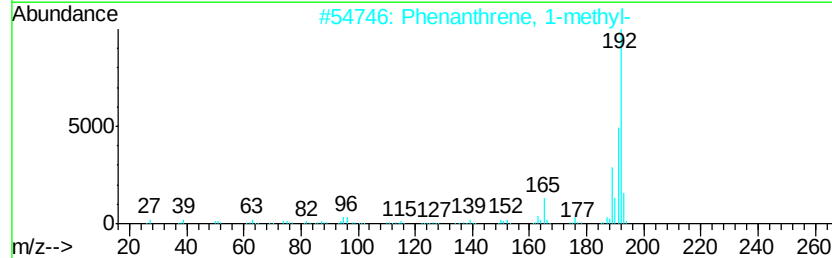
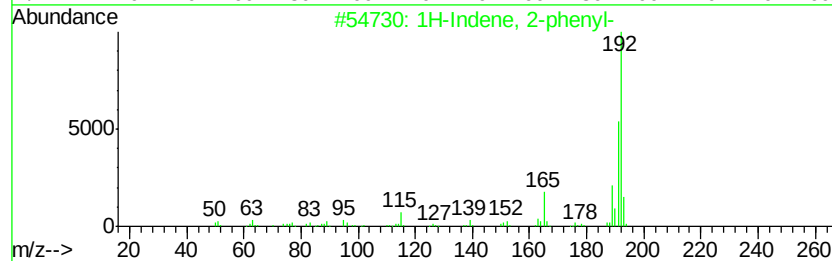
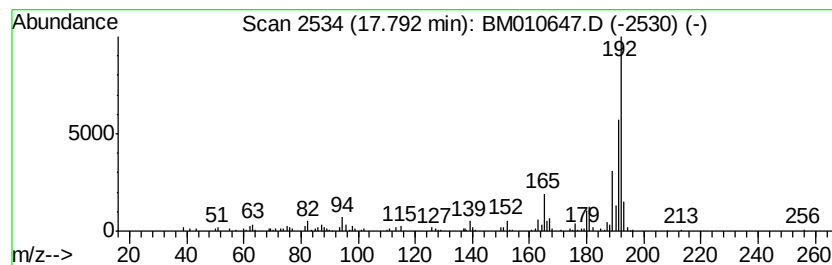
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 1H-Indene, 2-phenyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	4.10 ng/ul	293833	Phenanthrene-d10	16.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	93
4		1H-Cyclopropa[l]phenanthrene, 1a,...	192	C15H12	000949-41-7	93
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	90



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062117\
Data File : BM010647.D
Acq On : 22 Jun 2017 05:38
Operator : SJ/JU
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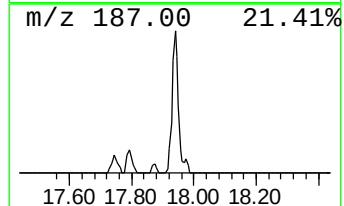
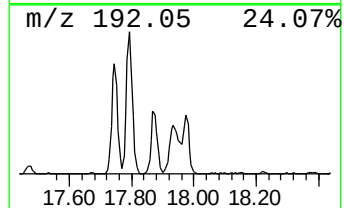
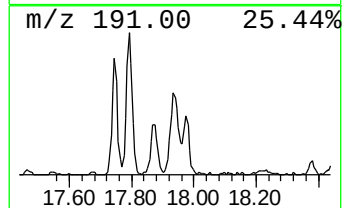
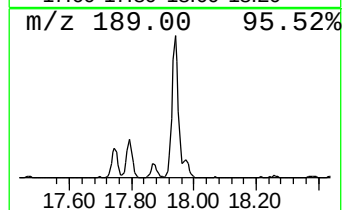
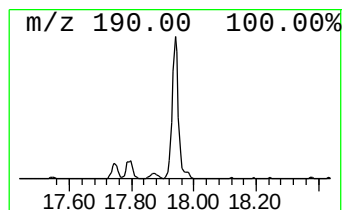
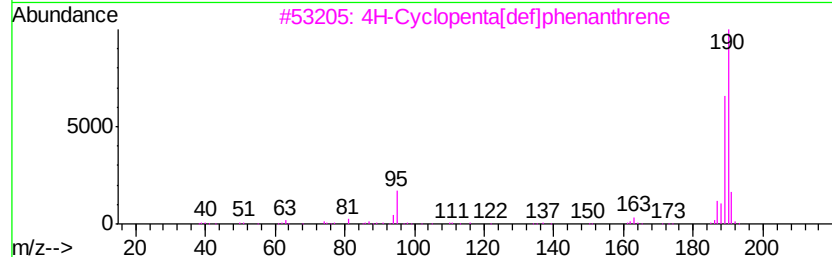
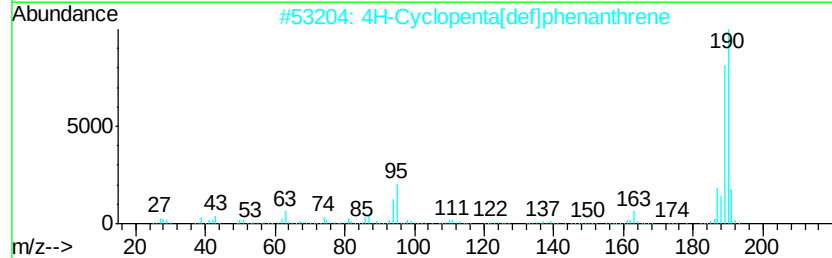
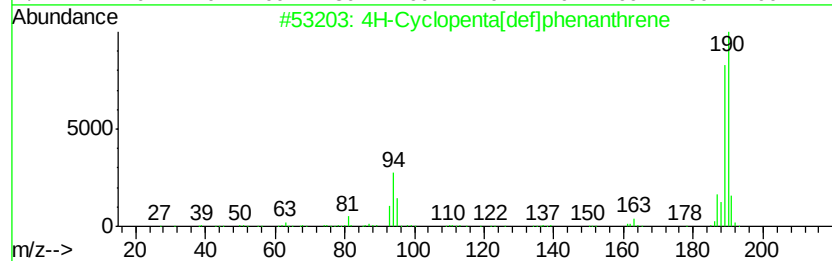
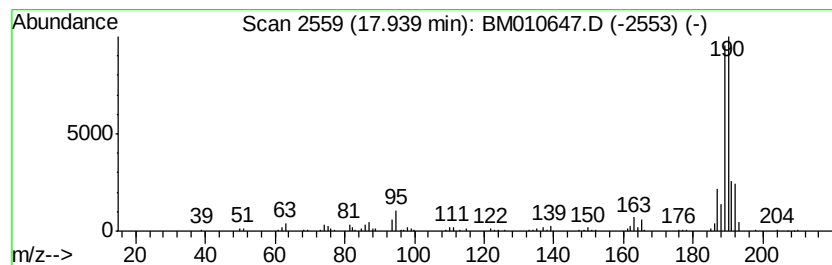
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	5.48 ng/ul	393056	Phenanthrene-d10	16.87

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
5		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	36



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062117\
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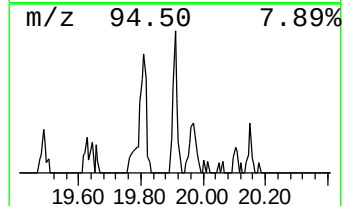
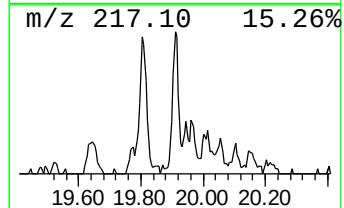
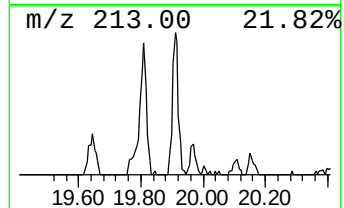
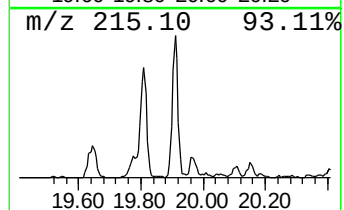
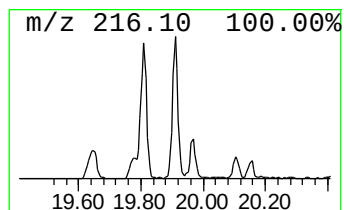
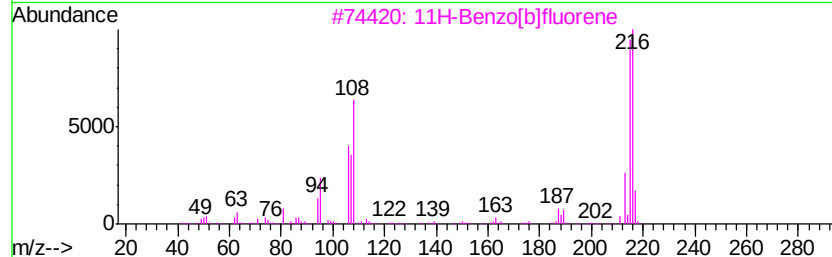
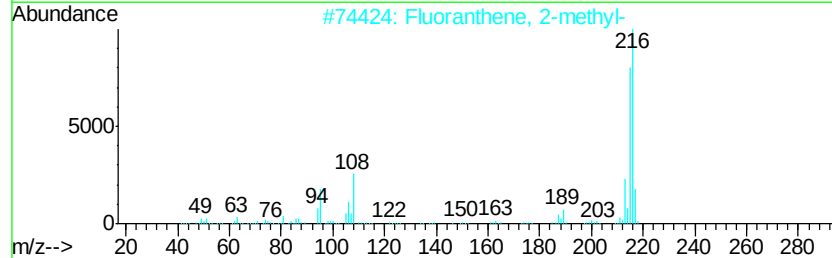
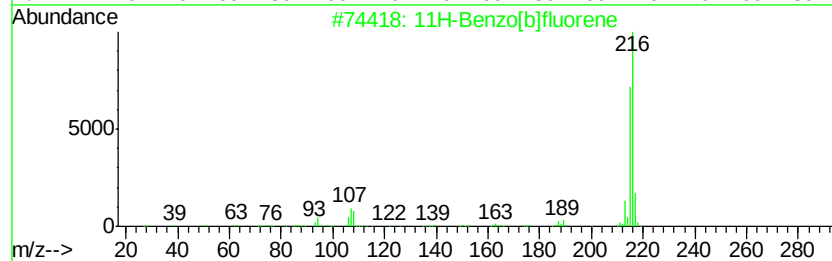
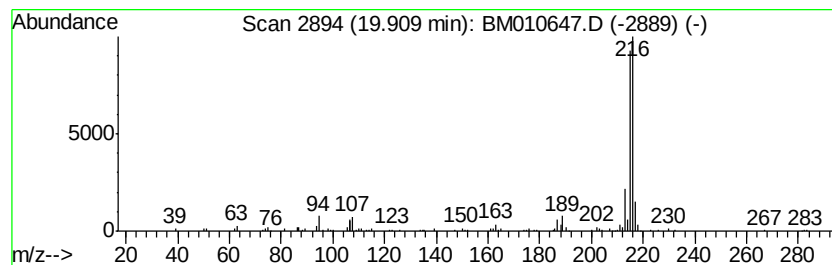
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Quant Title : SVOA CALIBRATION

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	2.09 ng/ul	257219	Chrysene-d12	21.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83



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Misc :
ALS Vial : 31 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
Benzene, 1-propynyl-	7.99	2.5	ng/ul	57714	1	7.46	462339	20.0
Naphthalene, 1-me...	12.12	13.0	ng/ul	465455	2	10.23	717111	20.0
Naphthalene, 2,7-...	13.43	3.4	ng/ul	196599	3	14.12	1159130	20.0
9H-Fluoren-9-ol	15.47	2.2	ng/ul	127275	3	14.12	1159130	20.0
2,4,6-Cycloheptat...	15.62	2.7	ng/ul	191962	4	16.87	1434960	20.0
Naphtho[1,2-b]thi...	16.69	2.6	ng/ul	184783	4	16.87	1434960	20.0
Phenanthrene, 2-m...	17.74	2.4	ng/ul	173683	4	16.87	1434960	20.0
1H-Indene, 2-phenyl-	17.79	4.1	ng/ul	293833	4	16.87	1434960	20.0
4H-Cyclopenta[def...	17.94	5.5	ng/ul	393056	4	16.87	1434960	20.0
11H-Benzo[b]fluorene	19.91	2.1	ng/ul	257219	5	21.09	2460920	20.0