

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
 Data File : BM010740.D
 Acq On : 24 Jun 2017 21:15
 Operator : SJ/JU
 Sample : I3653-04ME
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5B21ME

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	6.646	633	639	648	rBV	111629	179105	6.03%	0.550%
2	6.810	661	667	677	rBB	83642	122781	4.13%	0.377%
3	6.993	693	698	704	rBV	118304	178564	6.01%	0.549%
4	7.457	770	777	785	rBV	293709	442528	14.89%	1.360%
5	7.822	833	839	846	rVB2	24405	34123	1.15%	0.105%
6	7.981	860	866	875	rBB	33022	53753	1.81%	0.165%
7	8.163	890	897	903	rBV	163770	240592	8.09%	0.739%
8	8.598	965	971	979	rVB	122974	191877	6.45%	0.590%
9	9.316	1087	1093	1101	rBB	108152	165233	5.56%	0.508%
10	9.639	1141	1148	1156	rBV8	20116	45608	1.53%	0.140%
11	9.845	1176	1183	1191	rBB2	171519	275207	9.26%	0.846%
12	10.222	1239	1247	1250	rBV	404079	673265	22.65%	2.069%
13	10.275	1250	1256	1263	rVV	1661551	2668754	89.78%	8.200%
14	10.363	1265	1271	1285	rBV3	144886	348505	11.72%	1.071%
15	11.045	1380	1387	1396	rBV5	16158	29735	1.00%	0.091%
16	11.892	1522	1531	1538	rBV	573813	896370	30.15%	2.754%
17	11.975	1540	1545	1549	rBV2	34492	50774	1.71%	0.156%
18	12.116	1558	1569	1579	rBV	263131	415279	13.97%	1.276%
19	12.933	1702	1708	1715	rBV	152026	216297	7.28%	0.665%
20	13.127	1736	1741	1750	rVB2	40074	62514	2.10%	0.192%
21	13.263	1756	1764	1765	rBV2	65268	84529	2.84%	0.260%
22	13.422	1785	1791	1796	rBV	96299	162587	5.47%	0.500%
23	13.480	1796	1801	1805	rVV	60551	86738	2.92%	0.267%
24	13.527	1805	1809	1813	rVV	350363	457927	15.40%	1.407%
25	13.575	1813	1817	1823	rVB	185113	247839	8.34%	0.762%
26	13.663	1826	1832	1836	rBV2	45893	68521	2.31%	0.211%
27	13.798	1849	1855	1865	rBV	340914	541866	18.23%	1.665%
28	14.110	1899	1908	1914	rBV2	674415	1064829	35.82%	3.272%
29	14.174	1914	1919	1927	rVV	471294	683227	22.98%	2.099%
30	14.239	1927	1930	1938	rVB	22548	30653	1.03%	0.094%
31	14.316	1938	1943	1952	rBV2	151137	219303	7.38%	0.674%
32	14.422	1952	1961	1967	rVB3	20132	39883	1.34%	0.123%
33	14.510	1967	1976	1985	rVB	523880	751178	25.27%	2.308%
34	15.110	2073	2078	2083	rBV	491624	669923	22.54%	2.058%

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35	15.163	2083	2087	2093	rVB	613607	859893	28.93%	2.642%
36	15.233	2093	2099	2106	rBV	140450	208987	7.03%	0.642%
37	15.327	2111	2115	2120	rVB3	60039	79586	2.68%	0.245%
38	15.416	2127	2130	2134	rVB	32943	38073	1.28%	0.117%
39	15.463	2134	2138	2147	rVB	88073	121172	4.08%	0.372%
40	15.610	2154	2163	2172	rVB	88958	175613	5.91%	0.540%
41	15.974	2218	2225	2231	rVB6	32292	59083	1.99%	0.182%
42	16.174	2249	2259	2264	rBV2	56098	118197	3.98%	0.363%
43	16.221	2264	2267	2272	rVB3	22403	30115	1.01%	0.093%
44	16.321	2279	2284	2290	rVB3	23360	38540	1.30%	0.118%
45	16.598	2326	2331	2337	rBV2	29882	54600	1.84%	0.168%
46	16.680	2341	2345	2357	rVB	157595	224611	7.56%	0.690%
47	16.863	2369	2376	2380	rBV	962563	1414660	47.59%	4.347%
48	16.910	2380	2384	2389	rVV	2235927	2972595	100.00%	9.134%
49	16.963	2389	2393	2396	rVV	617702	848573	28.55%	2.607%
50	16.998	2396	2399	2405	rVB	348037	435409	14.65%	1.338%
51	17.268	2440	2445	2450	rVB	337760	468727	15.77%	1.440%
52	17.392	2462	2466	2471	rBV4	25140	37053	1.25%	0.114%
53	17.439	2471	2474	2482	rVB5	15828	34649	1.17%	0.106%
54	17.739	2520	2525	2529	rBV	118598	159020	5.35%	0.489%
55	17.786	2529	2533	2541	rVB	249480	333570	11.22%	1.025%
56	17.868	2541	2547	2552	rBV	80648	117592	3.96%	0.361%
57	17.933	2552	2558	2562	rBV2	227138	366431	12.33%	1.126%
58	17.968	2562	2564	2570	rVB	70302	85718	2.88%	0.263%
59	18.045	2572	2577	2581	rBV2	22689	35596	1.20%	0.109%
60	18.251	2607	2612	2617	rBV	92244	116368	3.91%	0.358%
61	18.498	2645	2654	2658	rBV6	33904	53326	1.79%	0.164%
62	18.545	2658	2662	2665	rVV4	23062	31290	1.05%	0.096%
63	18.668	2678	2683	2689	rBV2	46319	84831	2.85%	0.261%
64	18.733	2689	2694	2697	rBV3	30055	45806	1.54%	0.141%
65	18.827	2702	2710	2716	rVB7	23019	59653	2.01%	0.183%
66	18.933	2722	2728	2736	rVB	1298093	1695270	57.03%	5.209%
67	19.004	2736	2740	2744	rBV3	24360	35606	1.20%	0.109%
68	19.080	2750	2753	2757	rVB3	41924	51206	1.72%	0.157%
69	19.180	2764	2770	2775	rVB2	36519	46790	1.57%	0.144%
70	19.239	2775	2780	2781	rBV3	88915	93824	3.16%	0.288%
71	19.274	2781	2786	2788	rVV	901649	1245937	41.91%	3.828%

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72	19.304	2788	2791	2795	rVB	710271	891925	30.00%	2.741%
73	19.374	2800	2803	2812	rVB2	46952	74159	2.49%	0.228%
74	19.486	2817	2822	2828	rBV	60851	79497	2.67%	0.244%
75	19.633	2841	2847	2848	rBV4	44841	79723	2.68%	0.245%
76	19.686	2853	2856	2860	rVV2	29483	35491	1.19%	0.109%
77	19.745	2860	2866	2867	rVV4	26636	39685	1.34%	0.122%
78	19.768	2867	2870	2872	rVV3	37297	58822	1.98%	0.181%
79	19.804	2872	2876	2882	rVB	169914	223349	7.51%	0.686%
80	19.904	2889	2893	2897	rBV	211788	257012	8.65%	0.790%
81	19.962	2897	2903	2907	rVV4	65268	104124	3.50%	0.320%
82	20.145	2931	2934	2940	rBV2	25228	42011	1.41%	0.129%
83	20.292	2955	2959	2964	rBV5	55001	73632	2.48%	0.226%
84	20.515	2994	2997	3003	rBV5	21061	40748	1.37%	0.125%
85	20.721	3028	3032	3036	rBV	49422	68964	2.32%	0.212%
86	20.762	3036	3039	3042	rVV	56227	65360	2.20%	0.201%
87	20.815	3042	3048	3057	rVB5	71199	131508	4.42%	0.404%
88	21.080	3085	3093	3097	rBV2	1433080	2245144	75.53%	6.898%
89	21.115	3097	3099	3107	rVB	212634	240997	8.11%	0.740%
90	21.233	3115	3119	3122	rBV	49262	60829	2.05%	0.187%
91	21.339	3134	3137	3140	rVB2	32433	33748	1.14%	0.104%
92	21.392	3142	3146	3151	rVB2	42735	66498	2.24%	0.204%
93	21.615	3182	3184	3188	rVB2	30420	29908	1.01%	0.092%
94	21.833	3219	3221	3225	rVB4	31914	38720	1.30%	0.119%
95	22.580	3345	3348	3361	rVB2	77719	257361	8.66%	0.791%
96	23.080	3428	3433	3438	rBV2	406038	669830	22.53%	2.058%
97	23.215	3450	3456	3469	rVB	701251	1295804	43.59%	3.981%
98	23.750	3543	3547	3552	rVB7	37771	63117	2.12%	0.194%

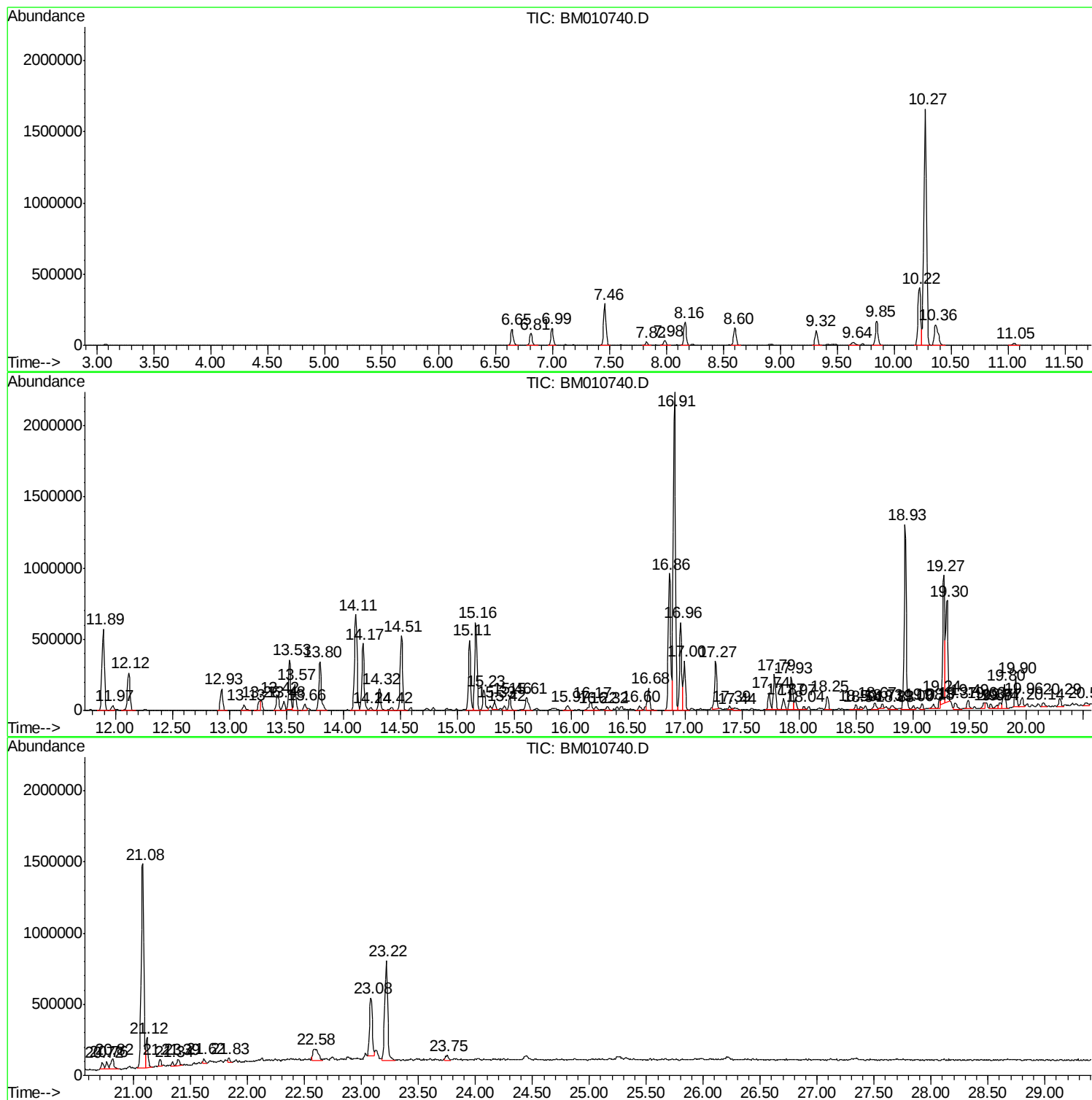
Sum of corrected areas: 32545803

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



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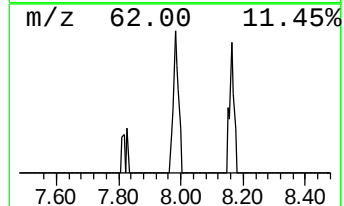
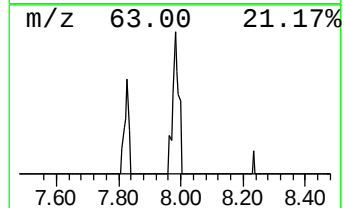
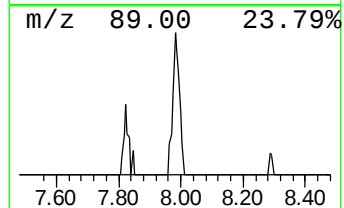
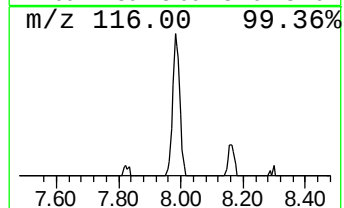
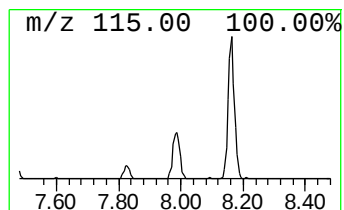
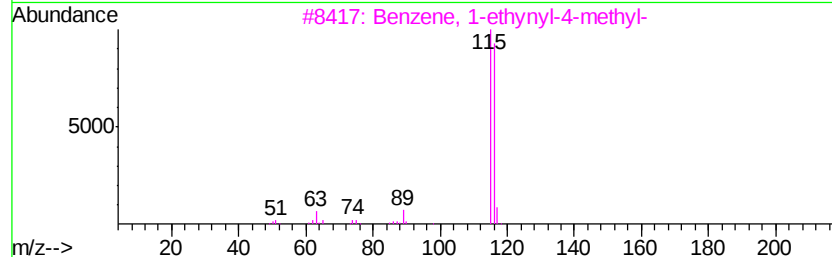
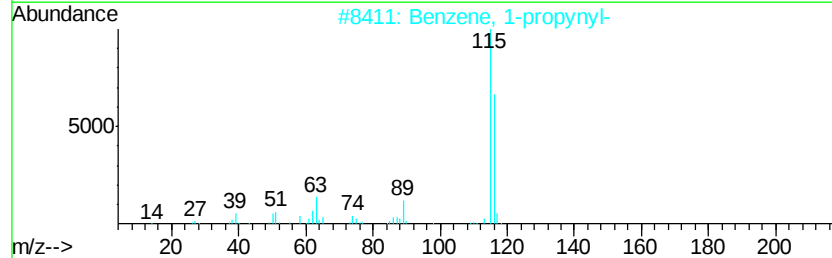
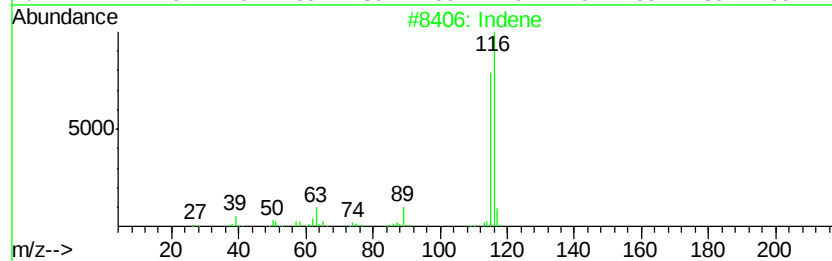
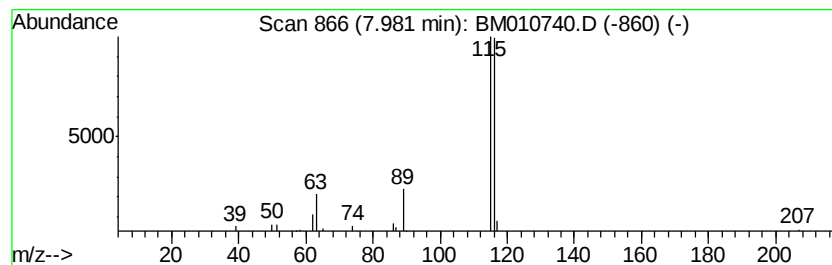
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Indene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.98	2.43 ng/ul	53753	1,4-Dichlorobenzene-d4	7.46

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Indene	116	C9H8	000095-13-6	91
2			Benzene, 1-propynyl-	116	C9H8	000673-32-5	90
3			Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	86
4			Benzene, 1-propynyl-	116	C9H8	000673-32-5	86
5			Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	83



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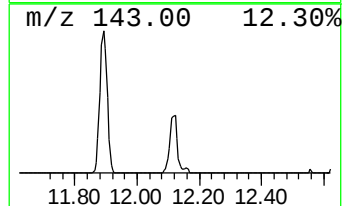
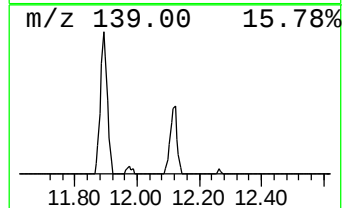
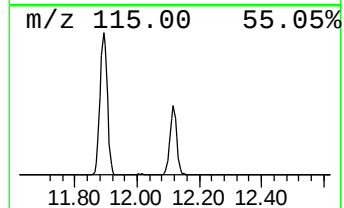
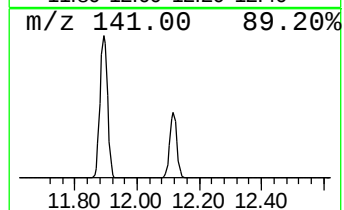
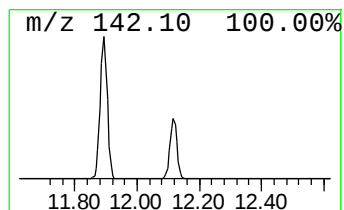
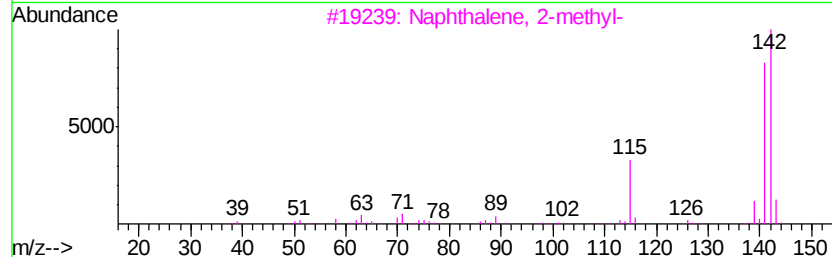
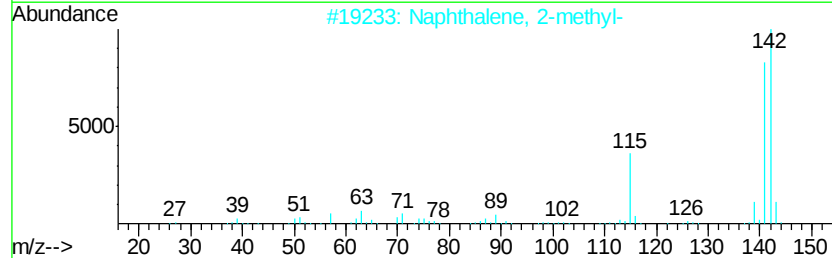
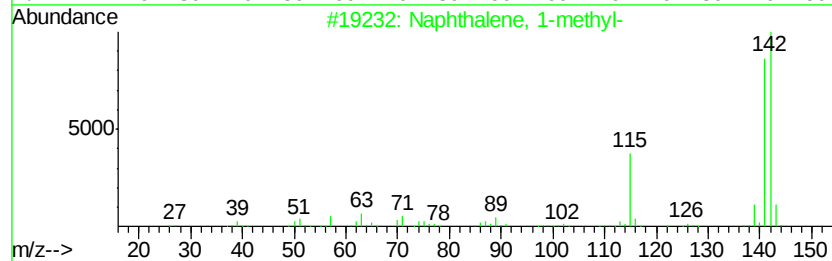
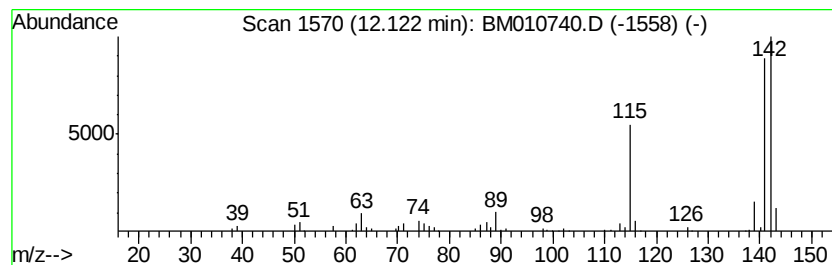
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Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.12	12.34 ng/ul	415279	Naphthalene-d8	10.22		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
4		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5		Benzocycloheptatriene	142	C11H10	000264-09-5	91



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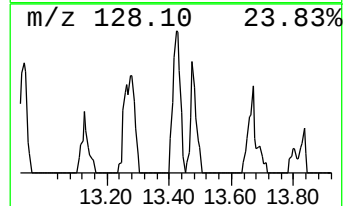
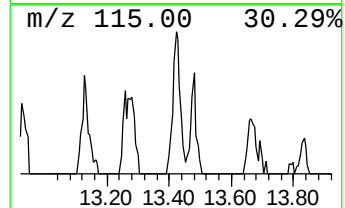
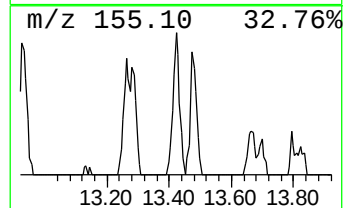
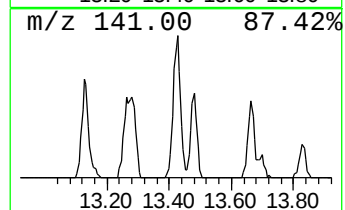
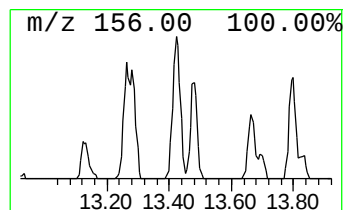
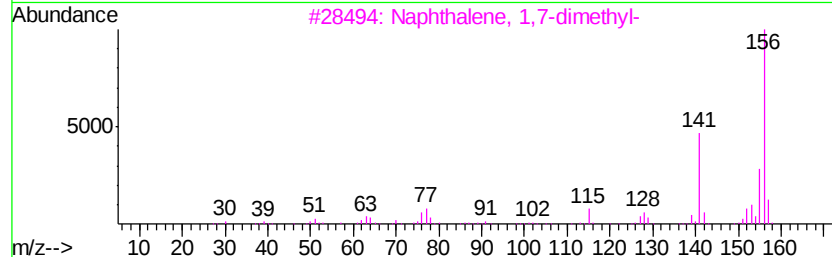
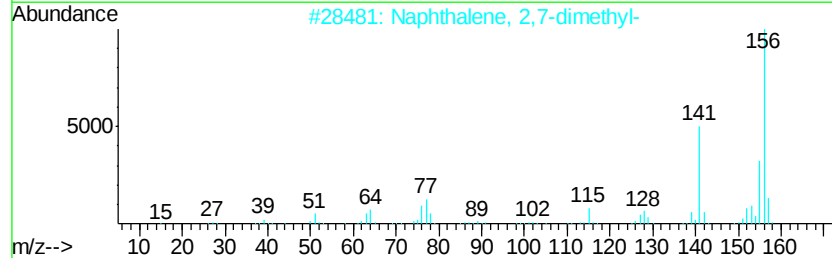
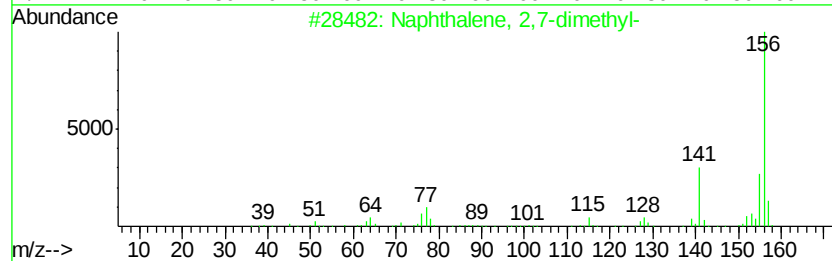
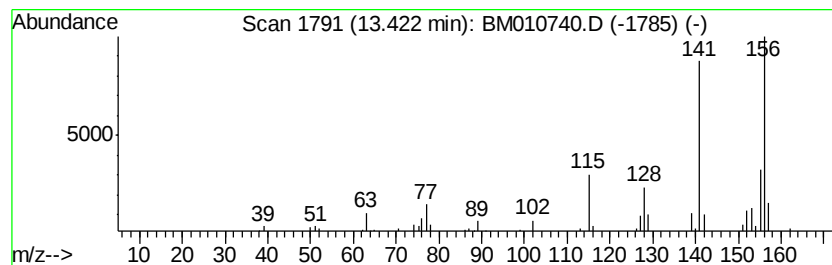
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Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.42	3.05 ng/ul	162587	Acenaphthene-d10		14.11
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010740.D
Acq On : 24 Jun 2017 21:15
Operator : SJ/JU
Sample : I3653-04ME
Misc :
ALS Vial : 55 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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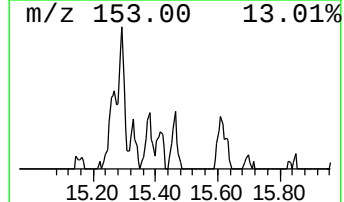
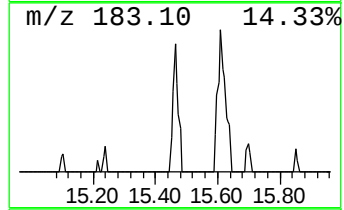
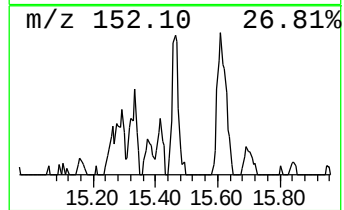
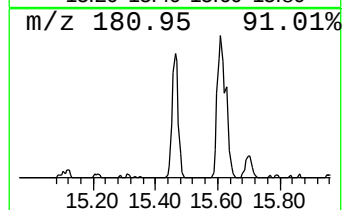
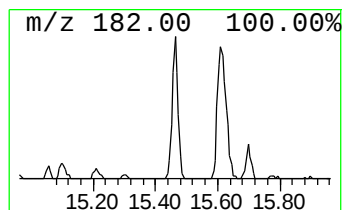
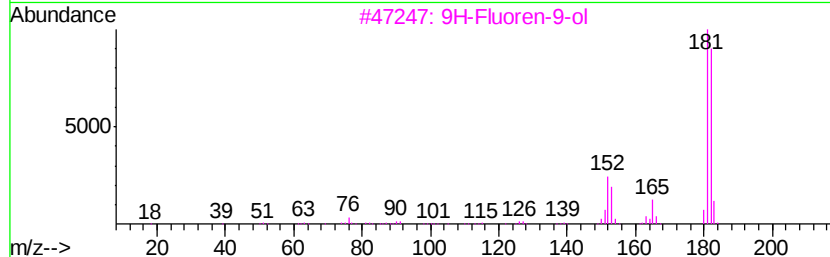
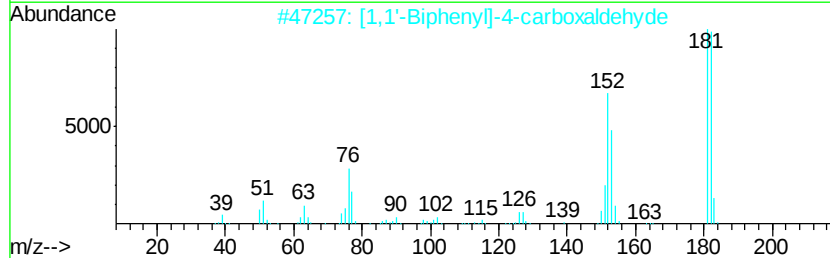
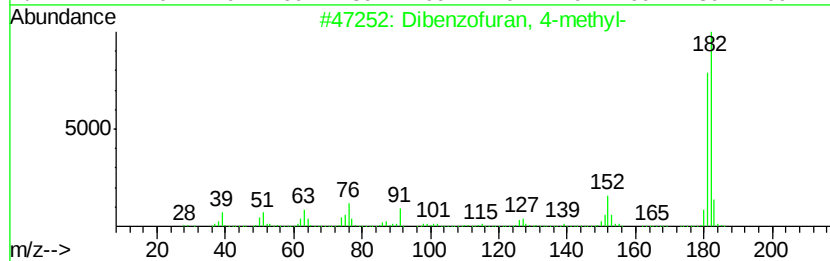
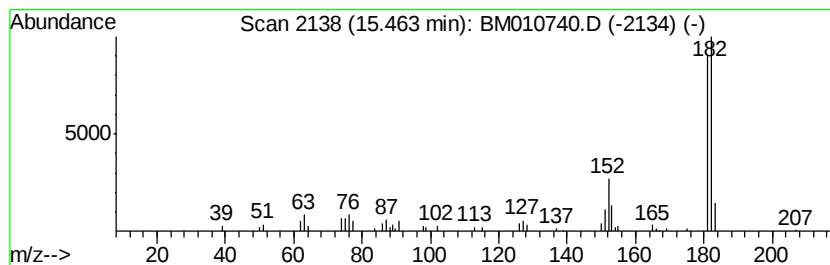
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.46	2.28 ng/ul	121172	Acenaphthene-d10	14.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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	83
5		2-Hydroxyfluorene	182	C13H10O	002443-58-5	74



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010740.D
Acq On : 24 Jun 2017 21:15
Operator : SJ/JU
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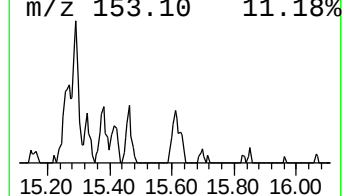
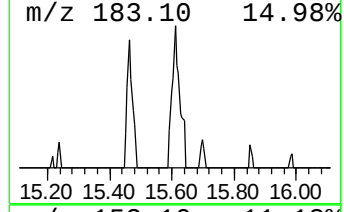
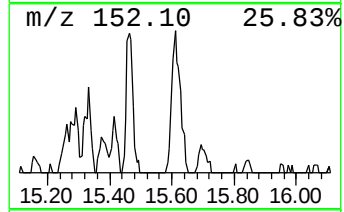
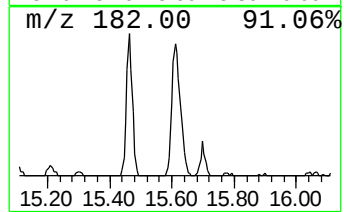
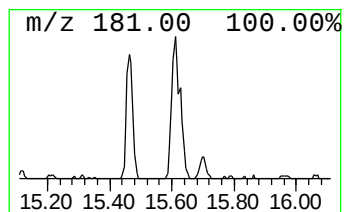
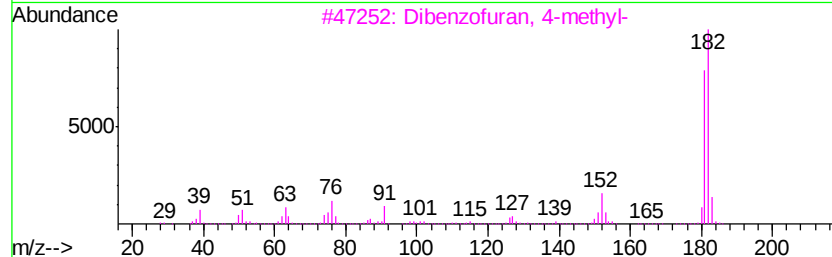
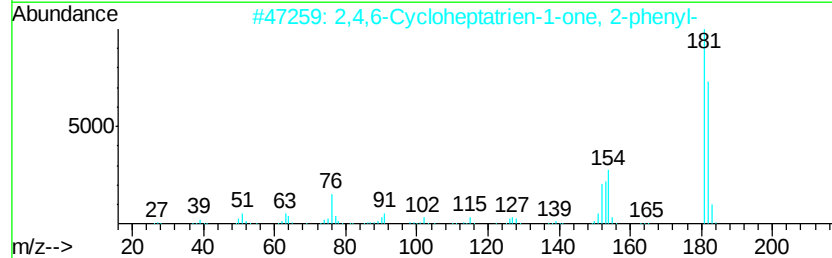
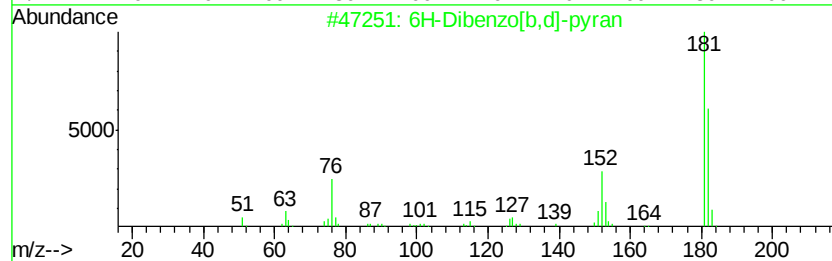
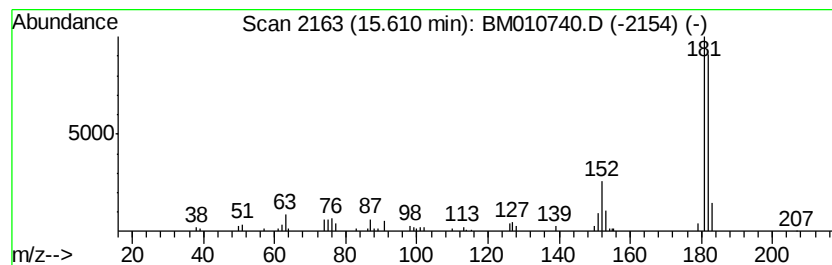
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 6H-Dibenzo[b,d]-pyran Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	2.48 ng/ul	175613	Phenanthrene-d10	16.86

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
2		2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
3		Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	86
4		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
5		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010740.D
Acq On : 24 Jun 2017 21:15
Operator : SJ/JU
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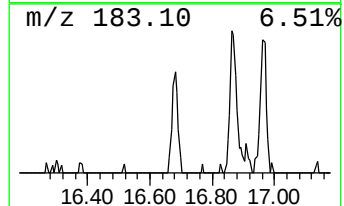
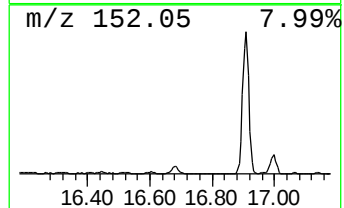
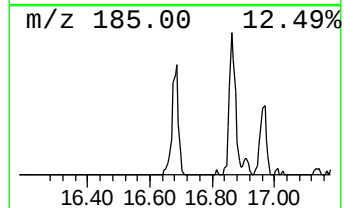
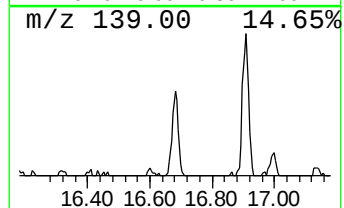
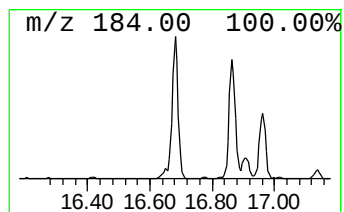
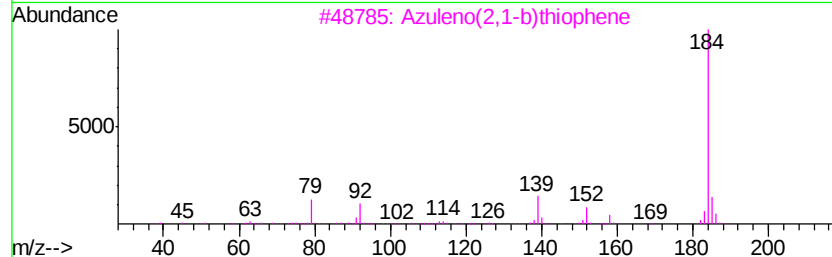
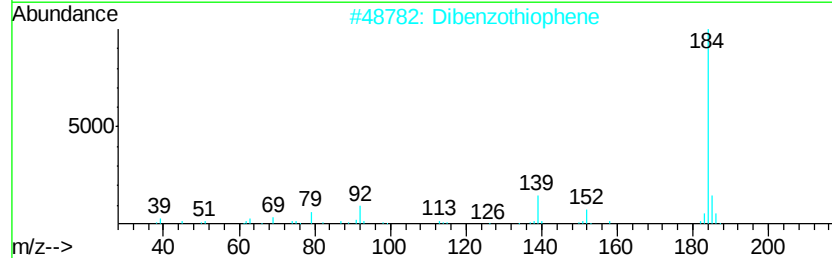
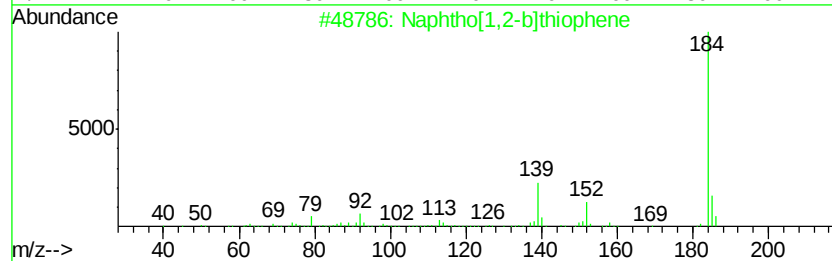
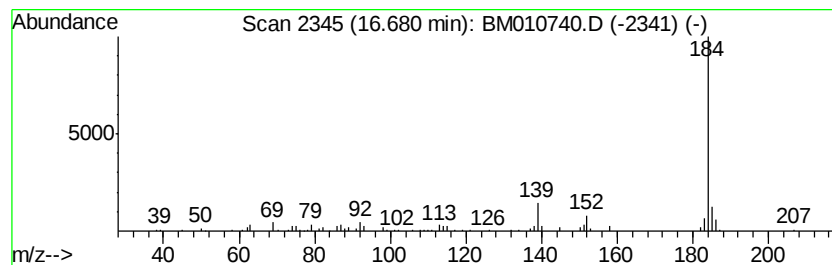
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Naphtho[1,2-b]thiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.68	3.18 ng/ul	224611	Phenanthrene-d10	16.86

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		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4		Dibenzothiophene	184	C12H8S	000132-65-0	91
5		Dibenzothiophene	184	C12H8S	000132-65-0	91



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010740.D
Acq On : 24 Jun 2017 21:15
Operator : SJ/JU
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Misc :
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ClientSampleId :
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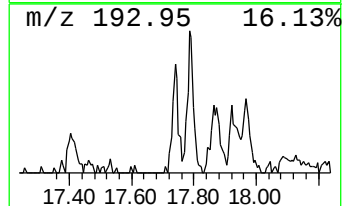
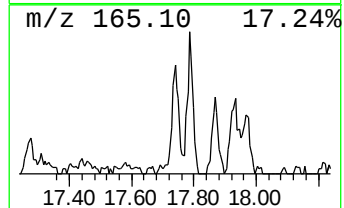
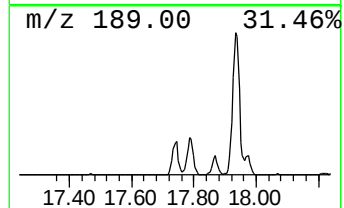
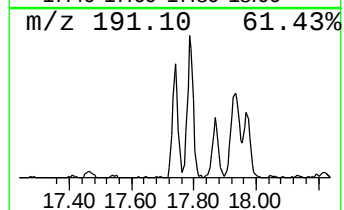
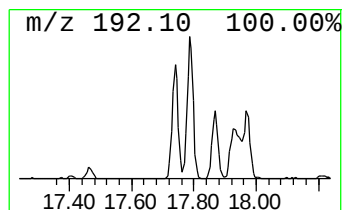
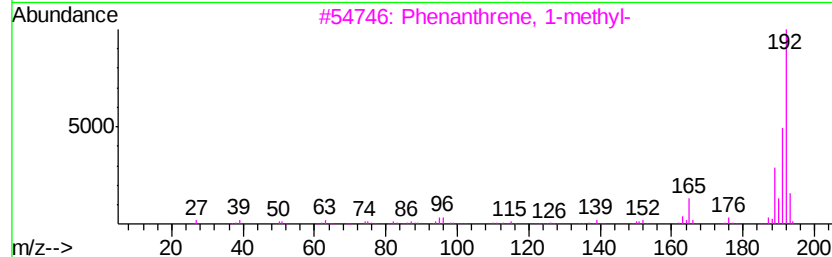
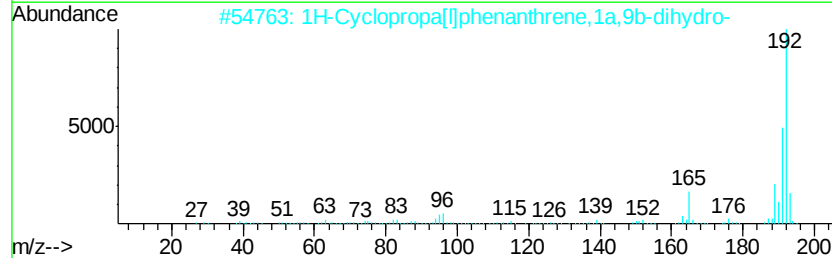
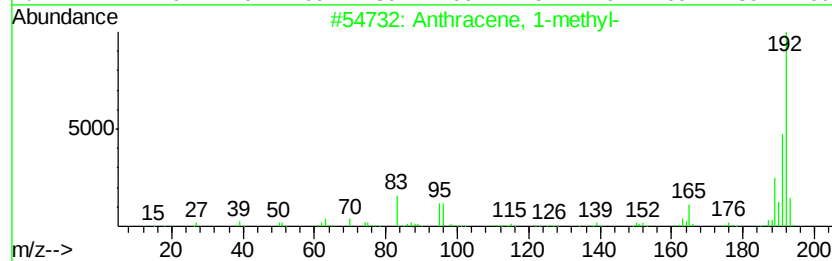
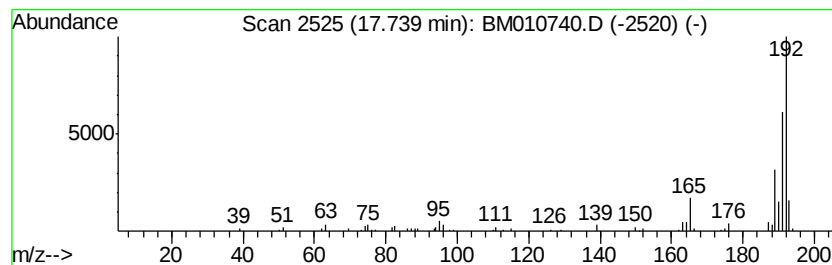
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.74	2.25 ng/ul	159020	Phenanthrene-d10	16.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91



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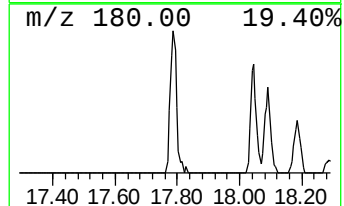
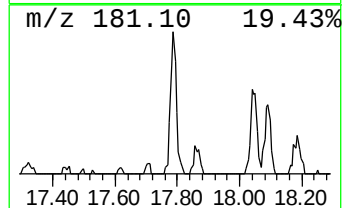
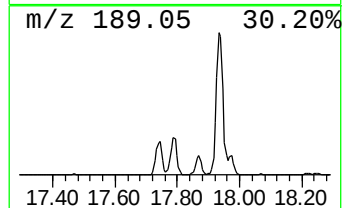
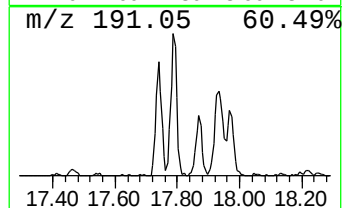
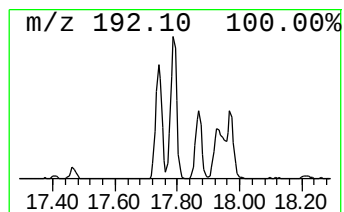
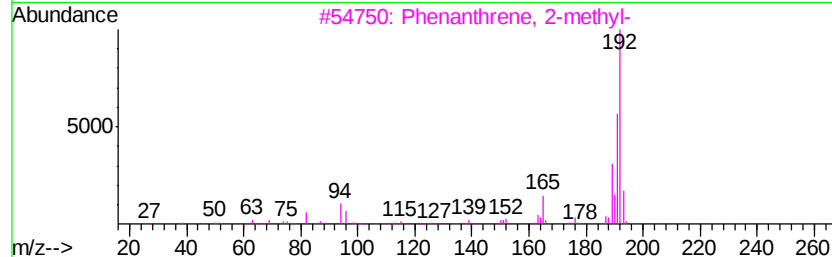
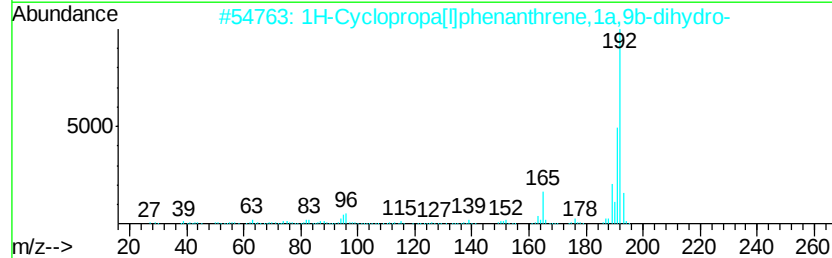
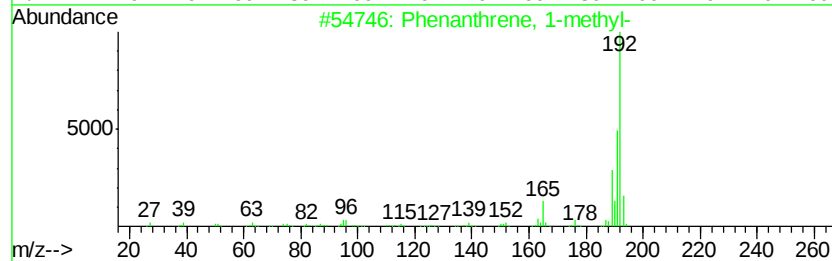
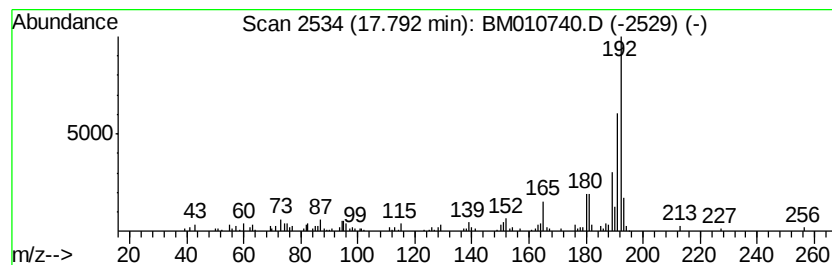
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.79	4.72 ng/ul	333570	Phenanthrene-d10	16.86		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91



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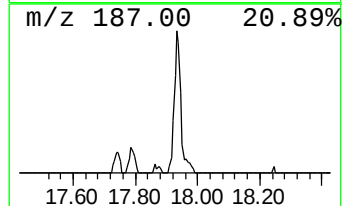
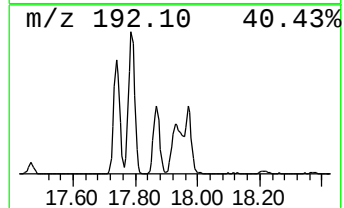
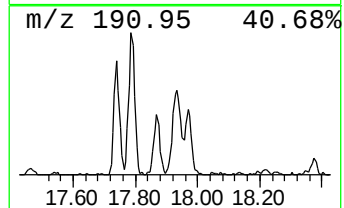
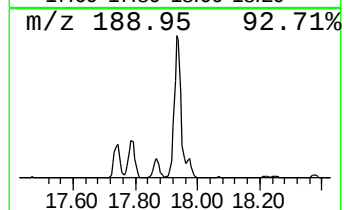
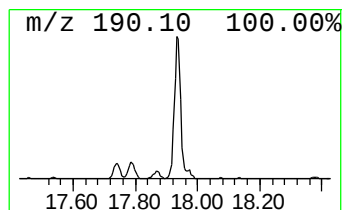
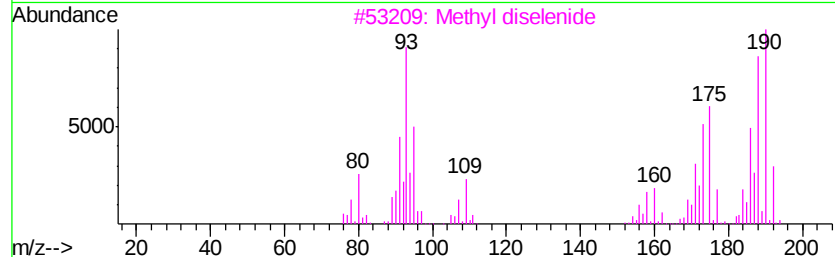
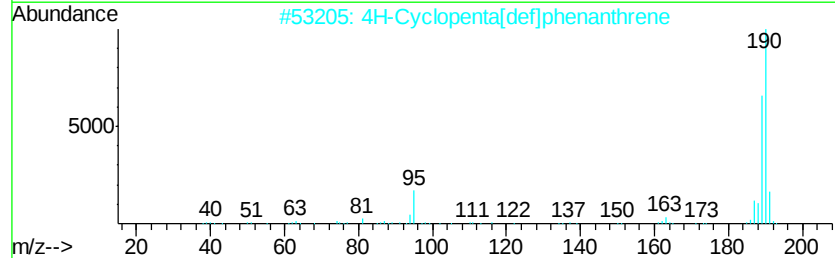
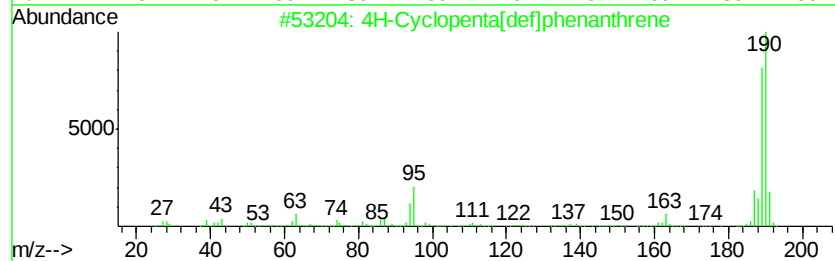
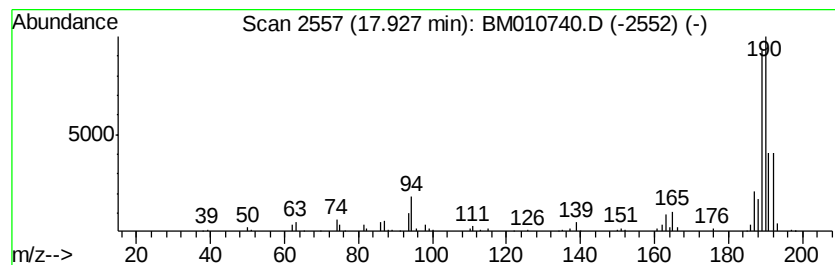
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.93	5.18 ng/ul	366431	Phenanthrene-d10	16.86	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	36



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010740.D
Acq On : 24 Jun 2017 21:15
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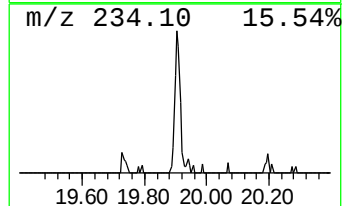
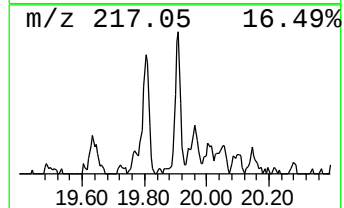
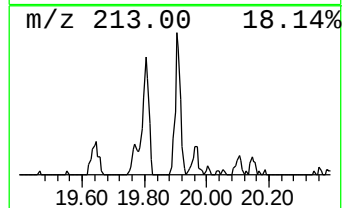
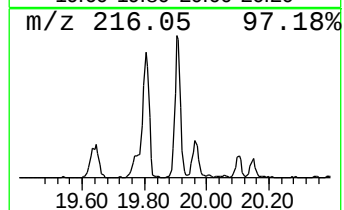
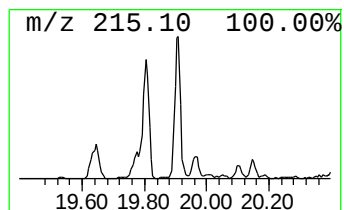
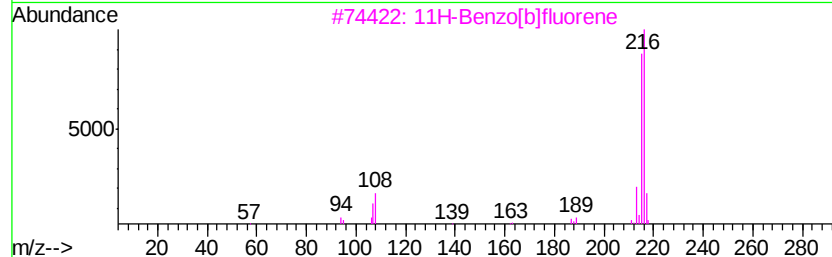
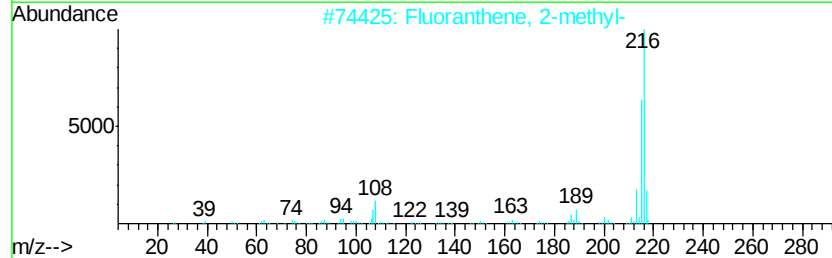
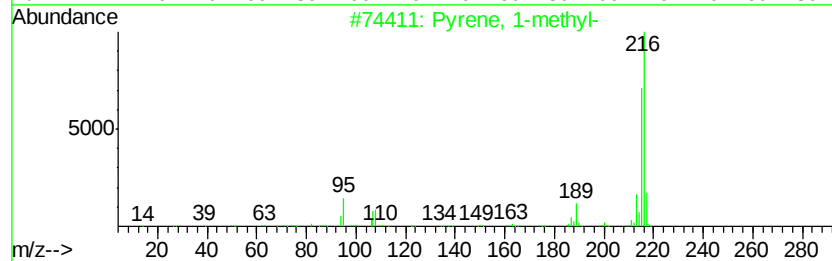
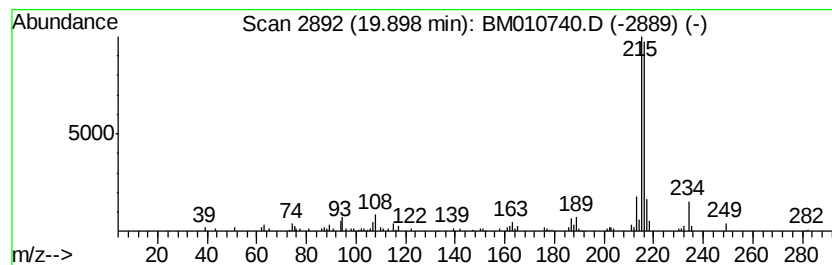
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

Peak Number 10 Pyrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.90	2.29 ng/ul	257012	Chrysene-d12	21.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
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\
Data File : BM010740.D
Acq On : 24 Jun 2017 21:15
Operator : SJ/JU
Sample : I3653-04ME
Misc :
ALS Vial : 55 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5B21ME

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
Indene	7.98	2.4	ng/ul	53753	1	7.46	442528	20.0
Naphthalene, 1-me...	12.12	12.3	ng/ul	415279	2	10.22	673265	20.0
Naphthalene, 2,7-...	13.42	3.0	ng/ul	162587	3	14.11	1064830	20.0
Dibenzofuran, 4-m...	15.46	2.3	ng/ul	121172	3	14.11	1064830	20.0
6H-Dibenzo[b,d]-p...	15.61	2.5	ng/ul	175613	4	16.86	1414660	20.0
Naphtho[1,2-b]thi...	16.68	3.2	ng/ul	224611	4	16.86	1414660	20.0
Anthracene, 1-met...	17.74	2.3	ng/ul	159020	4	16.86	1414660	20.0
Phenanthrene, 1-m...	17.79	4.7	ng/ul	333570	4	16.86	1414660	20.0
4H-Cyclopenta[def...	17.93	5.2	ng/ul	366431	4	16.86	1414660	20.0
Pyrene, 1-methyl-	19.90	2.3	ng/ul	257012	5	21.08	2245140	20.0