

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
 Data File : BM005639.D
 Acq On : 24 May 2016 10:46
 Operator : UM/SJ
 Sample : H3086-18DL 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGL2DL

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\SOM02.2-EPA-BM052016.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	6.951	736	742	745	rBV4	17637	32494	1.19%	0.108%
2	6.998	745	750	758	rVB	80684	136587	5.01%	0.455%
3	7.139	769	774	779	rBV	64191	98475	3.61%	0.328%
4	7.351	804	810	815	rBV	81571	124596	4.57%	0.415%
5	7.722	864	873	878	rBV5	14276	40209	1.47%	0.134%
6	7.810	878	888	895	rVB	496729	833204	30.55%	2.777%
7	8.351	969	980	989	rVB7	19515	52024	1.91%	0.173%
8	8.533	1004	1011	1018	rBV	105677	180350	6.61%	0.601%
9	8.904	1063	1074	1079	rBV7	16058	50573	1.85%	0.169%
10	8.969	1079	1085	1094	rVV	79532	150969	5.54%	0.503%
11	9.157	1113	1117	1123	rVB5	13798	27753	1.02%	0.092%
12	9.522	1175	1179	1191	rVB2	30964	62999	2.31%	0.210%
13	9.692	1201	1208	1218	rVB	59121	115823	4.25%	0.386%
14	9.780	1218	1223	1228	rBV5	20456	37907	1.39%	0.126%
15	10.245	1296	1302	1308	rVB	100529	167738	6.15%	0.559%
16	10.604	1352	1363	1369	rBV	706516	1278638	46.88%	4.261%
17	10.657	1369	1372	1378	rVV	98513	154636	5.67%	0.515%
18	10.745	1378	1387	1396	rVV3	92855	194274	7.12%	0.647%
19	11.510	1510	1517	1524	rVB8	11693	29036	1.06%	0.097%
20	11.621	1531	1536	1539	rBV	25112	39219	1.44%	0.131%
21	12.269	1642	1646	1653	rVB2	47938	77476	2.84%	0.258%
22	12.486	1674	1683	1692	rVB	52206	114849	4.21%	0.383%
23	12.739	1715	1726	1730	rBV7	11589	32320	1.19%	0.108%
24	12.886	1744	1751	1755	rVB7	13913	28339	1.04%	0.094%
25	12.974	1757	1766	1773	rBV2	38150	74454	2.73%	0.248%
26	13.280	1808	1818	1823	rBV2	37457	89222	3.27%	0.297%
27	13.504	1849	1856	1861	rVB3	25801	51500	1.89%	0.172%
28	13.621	1869	1876	1884	rBV4	30172	84381	3.09%	0.281%
29	13.774	1897	1902	1907	rBV2	50995	87901	3.22%	0.293%
30	13.857	1907	1916	1920	rBV	194083	311214	11.41%	1.037%
31	13.904	1920	1924	1932	rVB3	89778	168991	6.20%	0.563%
32	14.010	1932	1942	1945	rBV	50601	92432	3.39%	0.308%
33	14.145	1960	1965	1968	rBV	227016	382823	14.04%	1.276%
34	14.174	1968	1970	1980	rVB	248361	327428	12.01%	1.091%

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35	14.457	2007	2018	2024	rBV2	967678	1644137	60.28%	5.479%
36	14.515	2024	2028	2035	rVV2	82730	159244	5.84%	0.531%
37	14.580	2036	2039	2046	rVB3	18299	28674	1.05%	0.096%
38	14.686	2049	2057	2063	rBV4	64595	136329	5.00%	0.454%
39	14.757	2064	2069	2074	rVV6	16493	38396	1.41%	0.128%
40	14.851	2078	2085	2091	rVV2	101995	175908	6.45%	0.586%
41	14.927	2093	2098	2102	rVB	49427	72641	2.66%	0.242%
42	15.074	2116	2123	2127	rBV3	64833	122390	4.49%	0.408%
43	15.121	2128	2131	2135	rVB2	25008	35031	1.28%	0.117%
44	15.221	2143	2148	2154	rBV3	51864	125899	4.62%	0.420%
45	15.274	2154	2157	2162	rVV3	42773	74307	2.72%	0.248%
46	15.327	2162	2166	2171	rVB	34805	52035	1.91%	0.173%
47	15.410	2177	2180	2182	rBV3	23615	31359	1.15%	0.105%
48	15.445	2182	2186	2191	rVV	296967	434859	15.94%	1.449%
49	15.498	2191	2195	2207	rVB2	221599	379855	13.93%	1.266%
50	15.627	2213	2217	2219	rBV2	37308	41416	1.52%	0.138%
51	15.662	2219	2223	2227	rVB4	34198	50478	1.85%	0.168%
52	15.709	2227	2231	2235	rVB3	38188	53807	1.97%	0.179%
53	15.798	2241	2246	2252	rVB2	60387	109035	4.00%	0.363%
54	15.915	2262	2266	2268	rBV2	29931	48675	1.78%	0.162%
55	15.945	2268	2271	2278	rVB2	61222	115556	4.24%	0.385%
56	16.174	2303	2310	2315	rVB2	85465	164079	6.02%	0.547%
57	16.315	2329	2334	2337	rBV2	31245	53495	1.96%	0.178%
58	16.351	2337	2340	2344	rBV6	17753	27976	1.03%	0.093%
59	16.504	2359	2366	2370	rBV3	89723	190844	7.00%	0.636%
60	16.556	2371	2375	2378	rVB2	59129	83505	3.06%	0.278%
61	16.651	2388	2391	2396	rVB	55439	79813	2.93%	0.266%
62	16.856	2423	2426	2434	rVB4	40833	59755	2.19%	0.199%
63	16.927	2435	2438	2439	rBV	30963	33351	1.22%	0.111%
64	17.015	2449	2453	2462	rVB	114268	206821	7.58%	0.689%
65	17.198	2478	2484	2488	rBV	1201249	1854171	67.99%	6.179%
66	17.239	2488	2491	2497	rVV	1498079	2133887	78.24%	7.111%
67	17.298	2497	2501	2504	rVV	314883	484753	17.77%	1.615%
68	17.333	2504	2507	2512	rVV	339548	449782	16.49%	1.499%
69	17.392	2512	2517	2521	rVV2	49161	96421	3.54%	0.321%
70	17.603	2550	2553	2557	rBV2	44953	56571	2.07%	0.189%
71	17.715	2568	2572	2576	rVB	88031	113796	4.17%	0.379%

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72	18.074	2628	2633	2637	rBV	302896	454951	16.68%	1.516%
73	18.121	2637	2641	2645	rVB	229676	317400	11.64%	1.058%
74	18.203	2651	2655	2660	rVB	99817	147237	5.40%	0.491%
75	18.268	2660	2666	2670	rVV3	481317	909148	33.33%	3.030%
76	18.303	2670	2672	2679	rVB	233687	284071	10.42%	0.947%
77	18.568	2713	2717	2722	rVB	248693	321376	11.78%	1.071%
78	18.992	2785	2789	2794	rBV2	130030	219129	8.03%	0.730%
79	19.256	2829	2834	2839	rBV	1885112	2513291	92.15%	8.376%
80	19.403	2856	2859	2864	rBV	208804	285020	10.45%	0.950%
81	19.592	2886	2891	2892	rBV2	515483	682953	25.04%	2.276%
82	19.621	2892	2896	2904	rVB	1877815	2727314	100.00%	9.089%
83	20.109	2977	2979	2985	rVB	289595	381198	13.98%	1.270%
84	20.209	2993	2996	3000	rBV	231113	290126	10.64%	0.967%
85	21.380	3189	3195	3198	rBV3	1540198	2682577	98.36%	8.940%
86	21.415	3199	3201	3206	rVB	606725	669413	24.54%	2.231%
87	23.674	3581	3585	3591	rVB2	765640	1371345	50.28%	4.570%

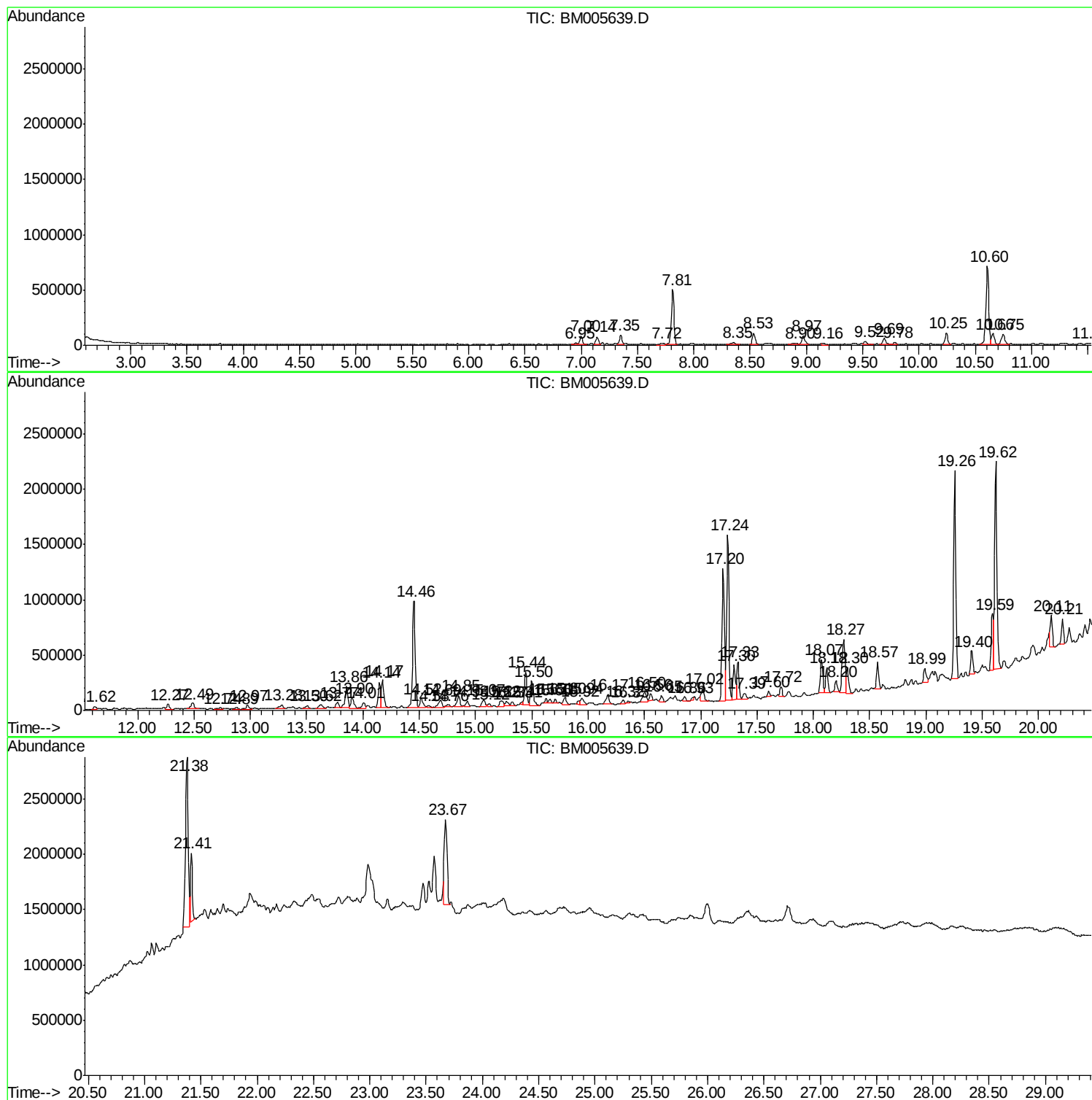
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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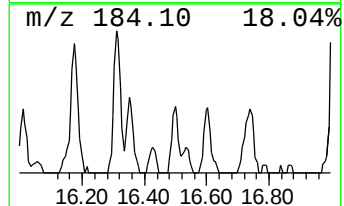
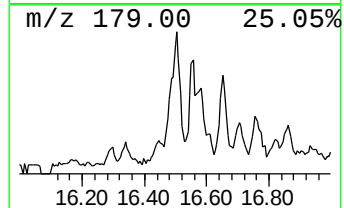
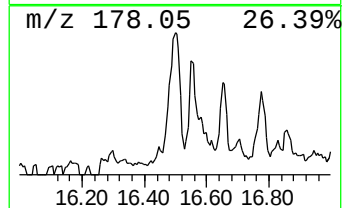
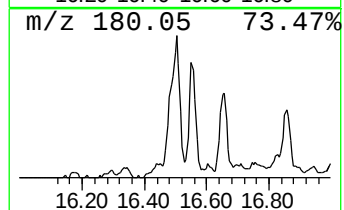
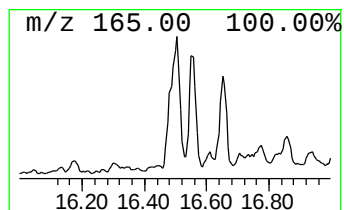
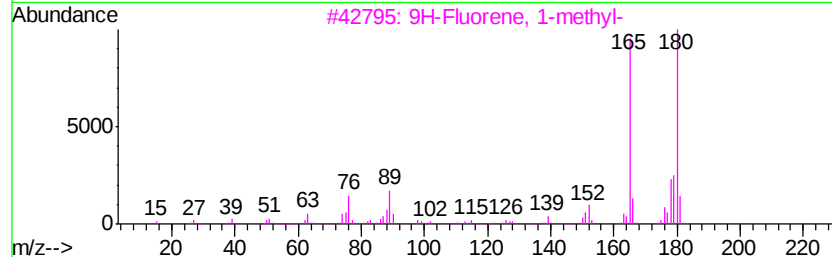
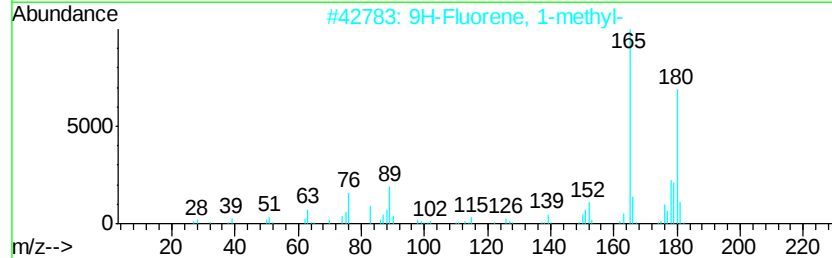
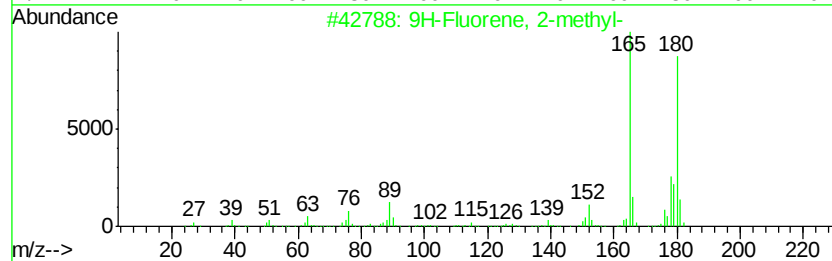
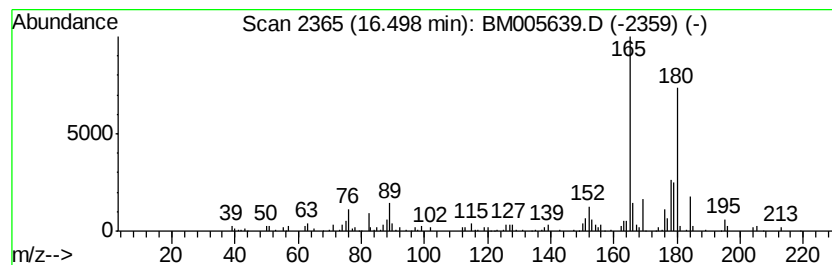
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 9H-Fluorene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	2.06 ng/ul	190844	Phenanthrene-d10	17.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	92
3		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	87
4		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	86
5		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	86



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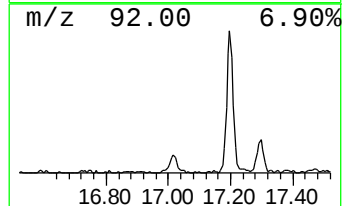
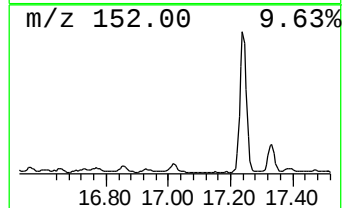
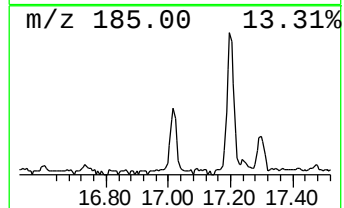
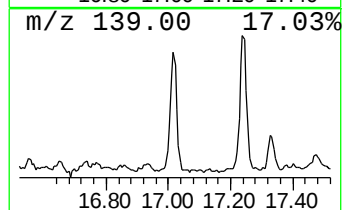
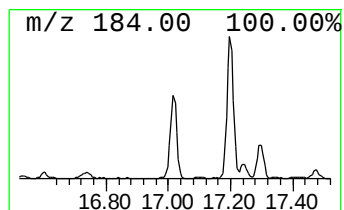
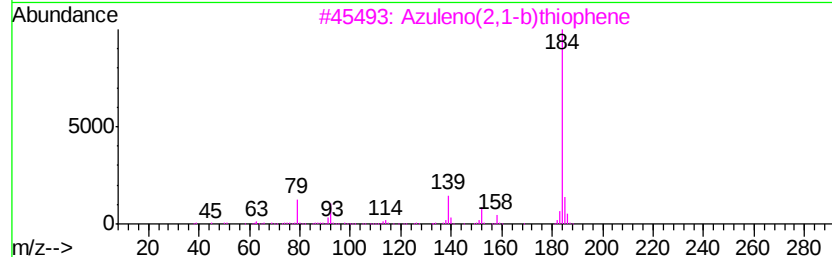
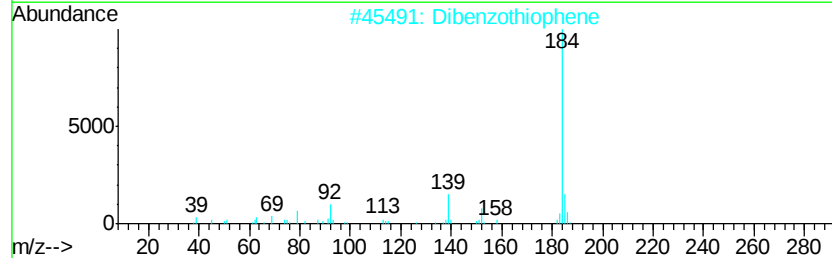
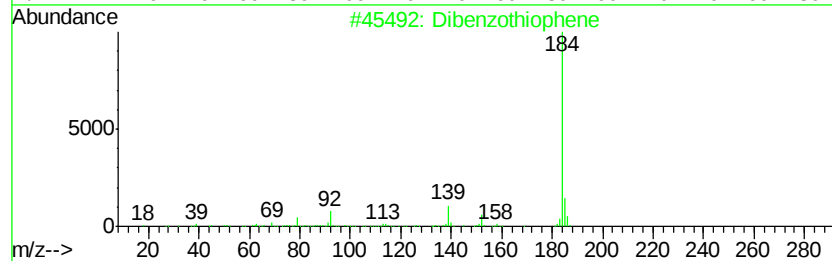
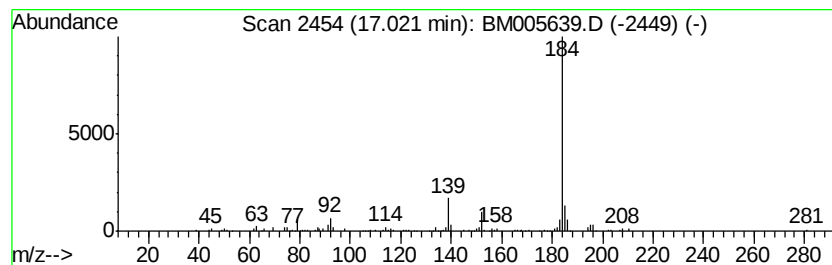
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	2.23 ng/ul	206821	Phenanthrene-d10	17.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	94
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	90
5		Dibenzothiophene	184	C12H8S	000132-65-0	87



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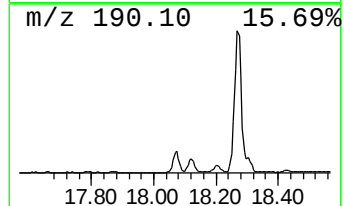
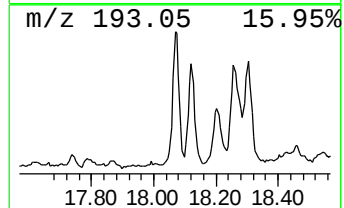
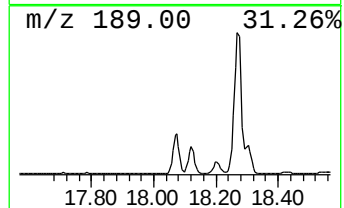
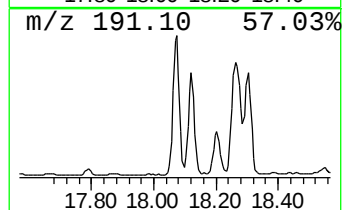
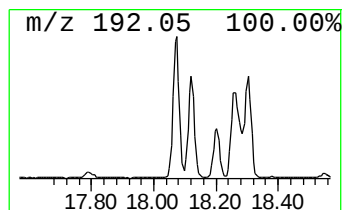
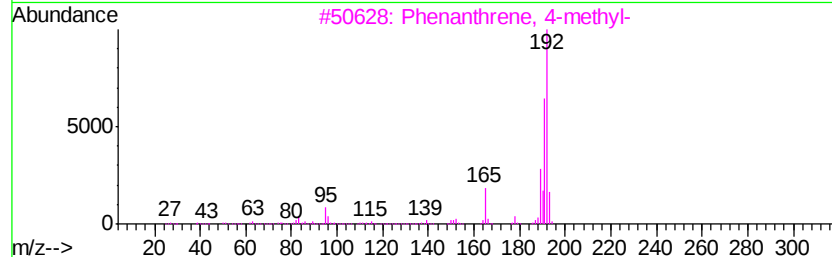
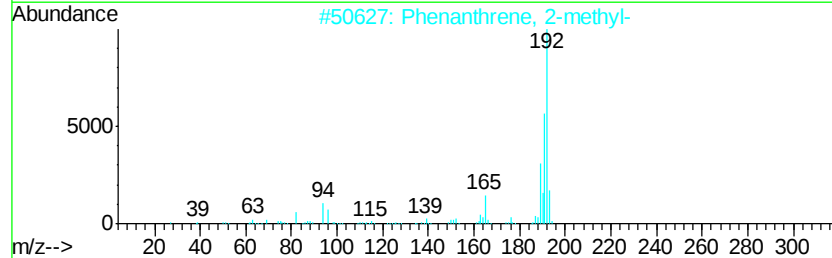
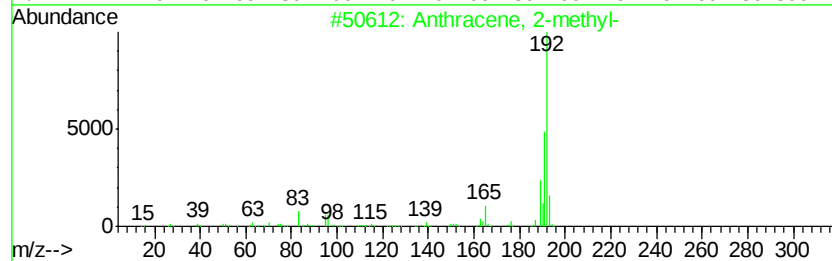
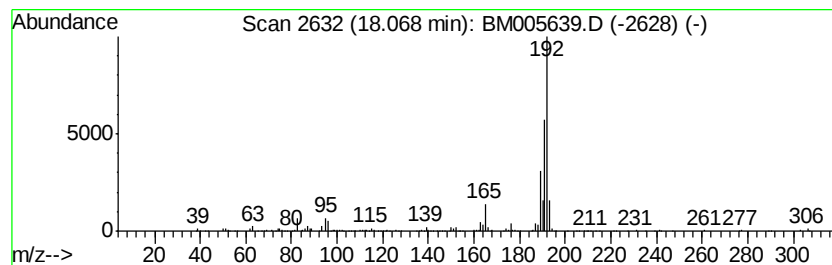
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	4.91 ng/ul	454951	Phenanthrene-d10	17.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94



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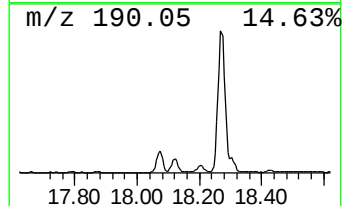
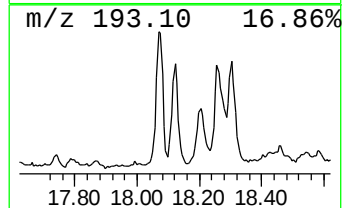
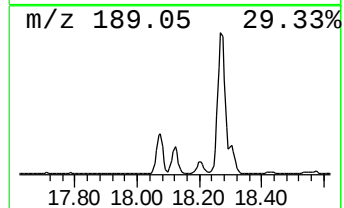
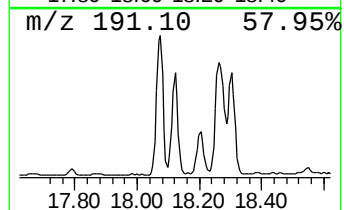
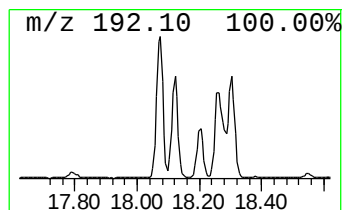
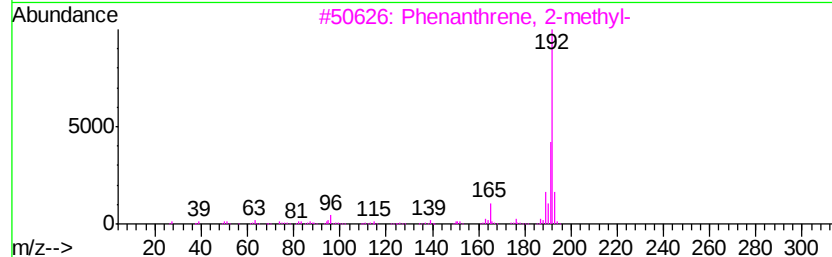
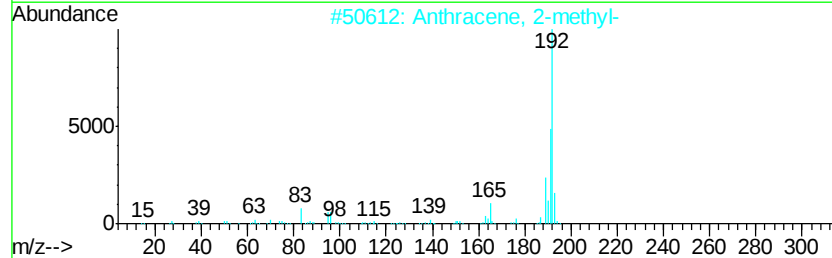
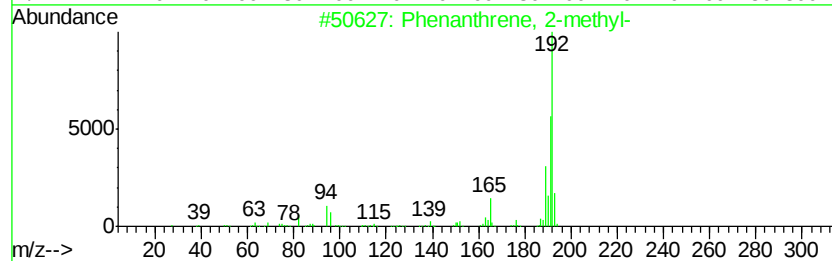
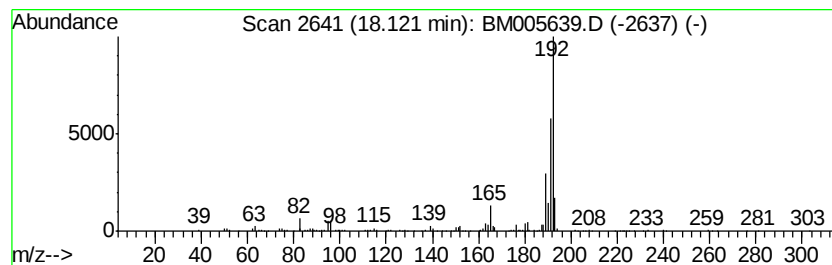
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	3.42 ng/ul	317400	Phenanthrene-d10	17.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005639.D
Acq On : 24 May 2016 10:46
Operator : UM/SJ
Sample : H3086-18DL 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGL2DL

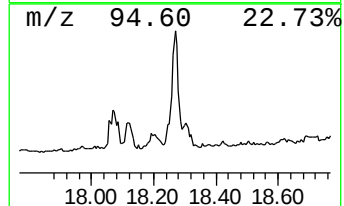
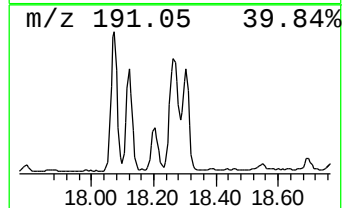
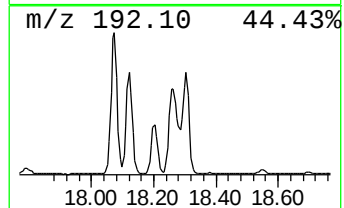
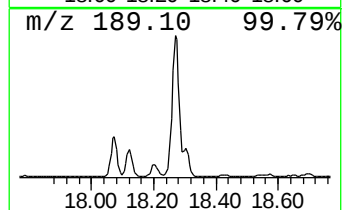
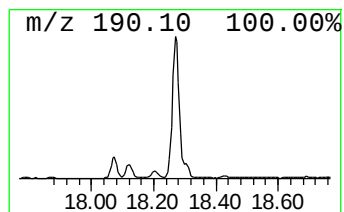
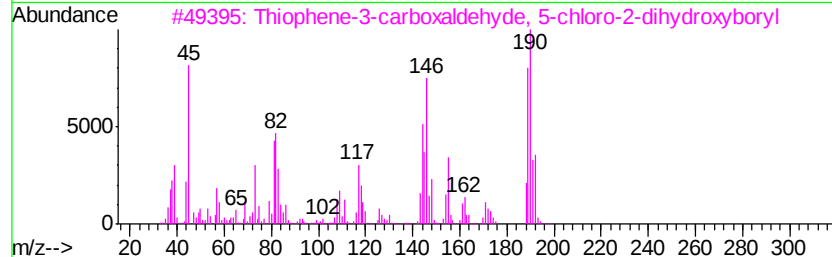
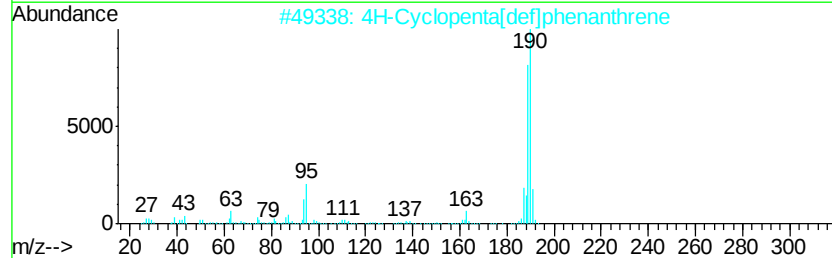
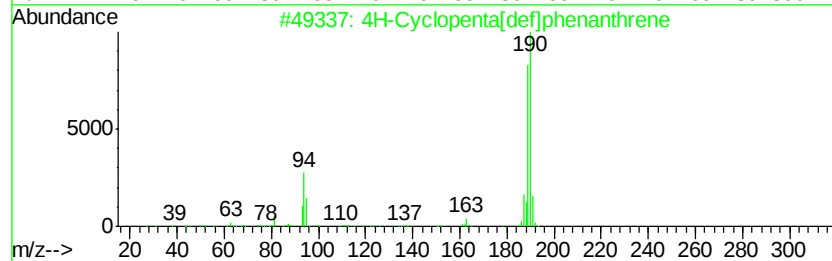
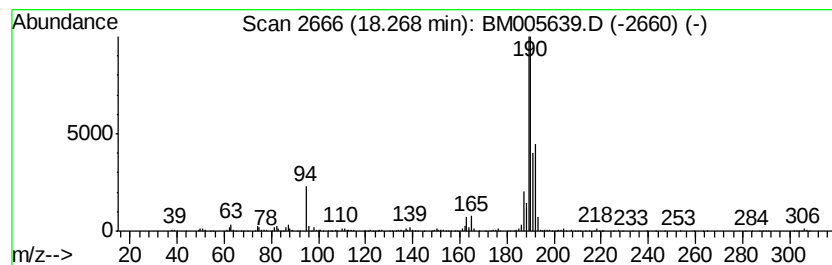
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	9.81 ng/ul	909148	Phenanthrene-d10	17.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BCl03S	036155-87-0	53
4		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
5		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005639.D
Acq On : 24 May 2016 10:46
Operator : UM/SJ
Sample : H3086-18DL 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGL2DL

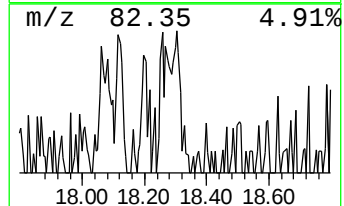
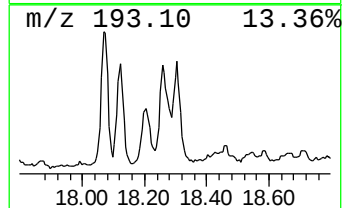
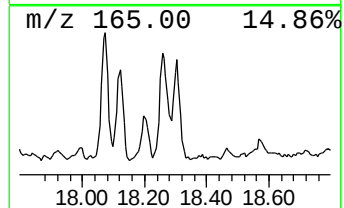
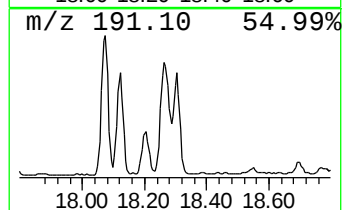
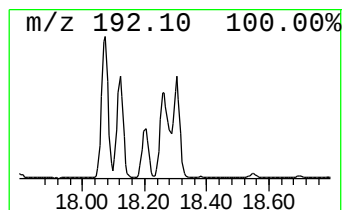
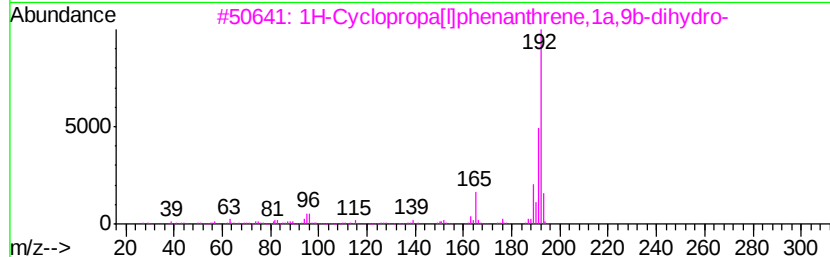
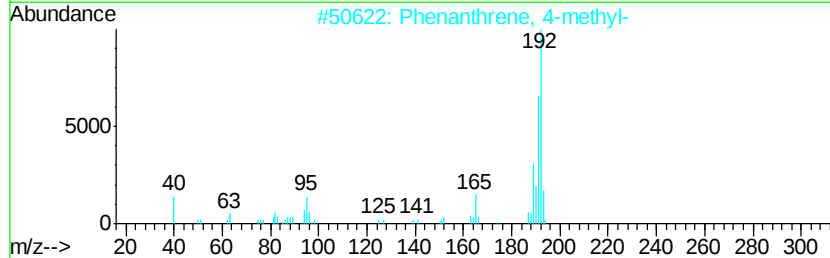
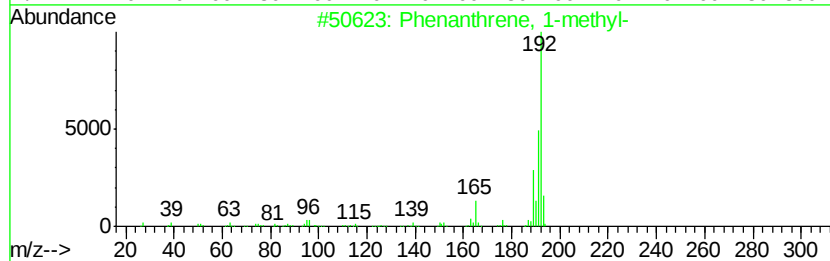
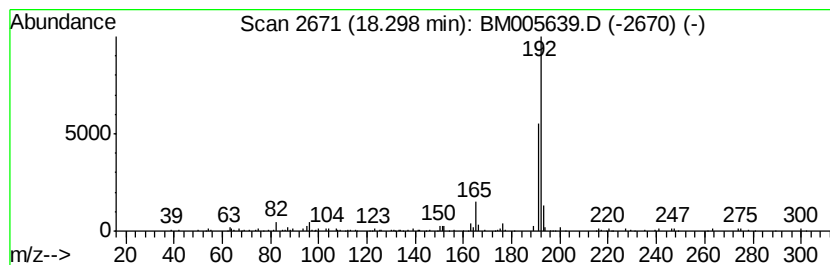
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	3.06 ng/ul	284071	Phenanthrene-d10	17.20

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93	
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93	
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	93	
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90	
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90	



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005639.D
Acq On : 24 May 2016 10:46
Operator : UM/SJ
Sample : H3086-18DL 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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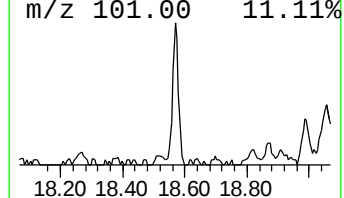
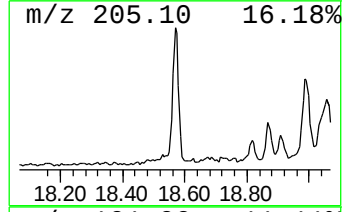
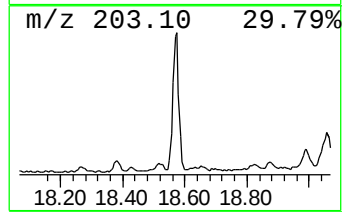
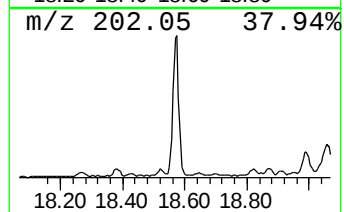
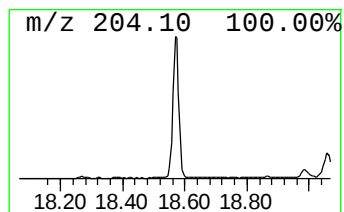
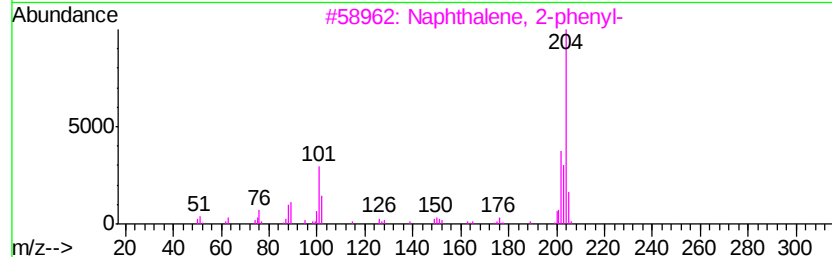
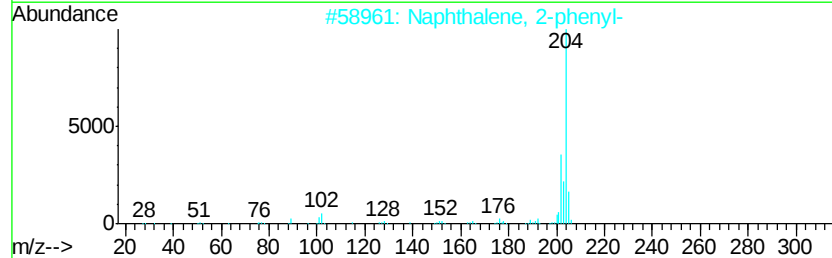
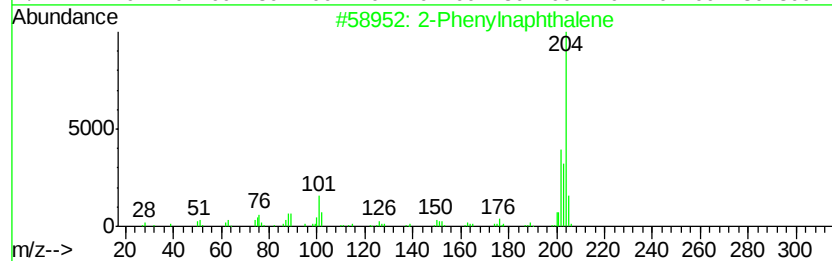
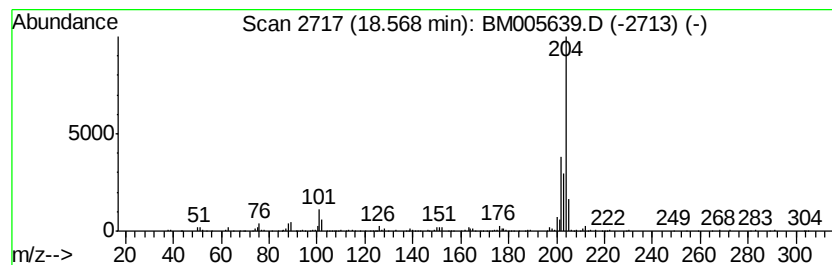
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 2-Phenylnaphthalene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	3.47 ng/ul	321376	Phenanthrene-d10	17.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Phenylnaphthalene	204	C16H12	035465-71-5	90
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005639.D
Acq On : 24 May 2016 10:46
Operator : UM/SJ
Sample : H3086-18DL 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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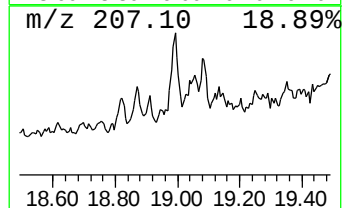
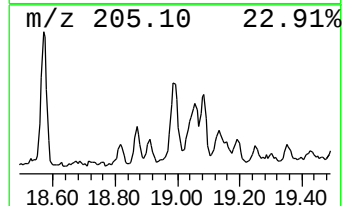
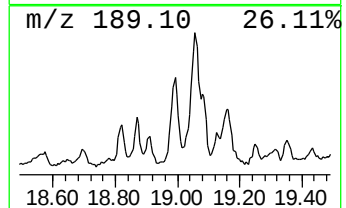
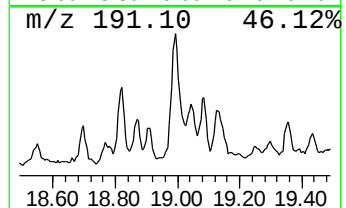
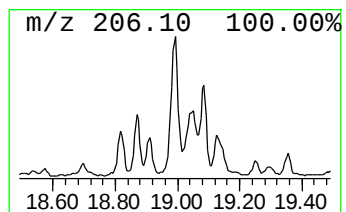
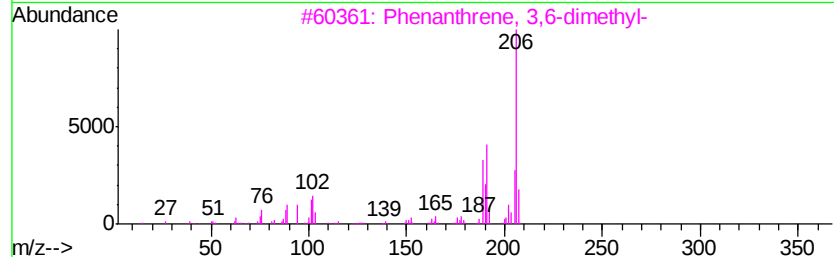
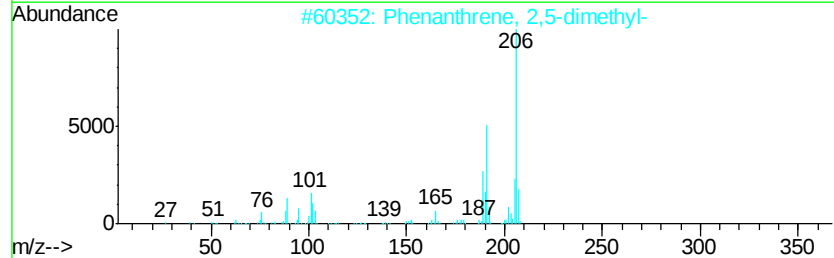
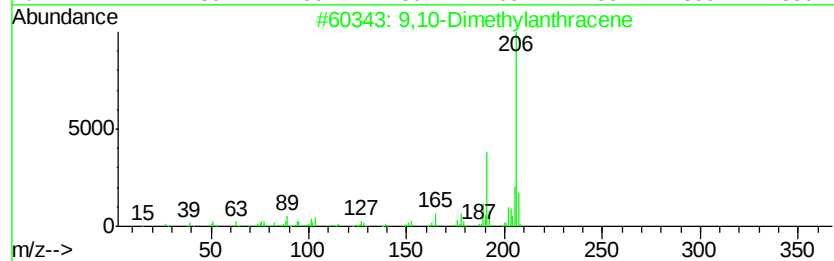
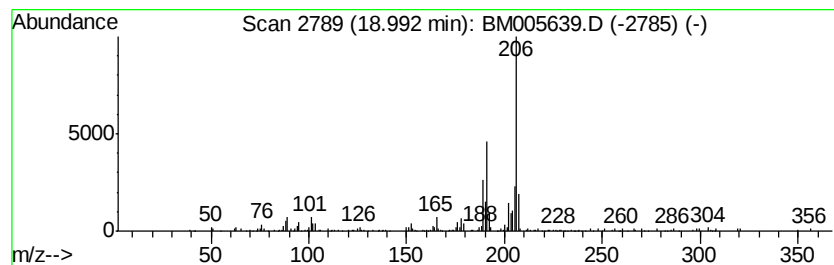
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 9,10-Dimethylantracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	2.36 ng/ul	219129	Phenanthrene-d10	17.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	93
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5		9,10-Dimethylantracene	206	C16H14	000781-43-1	89



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005639.D
Acq On : 24 May 2016 10:46
Operator : UM/SJ
Sample : H3086-18DL 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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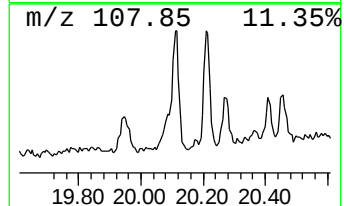
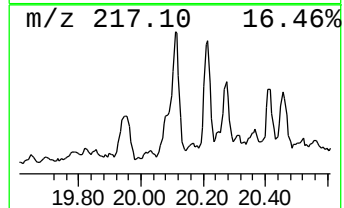
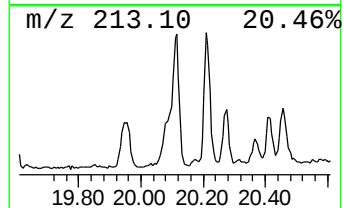
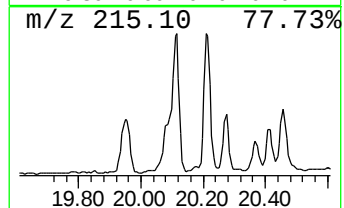
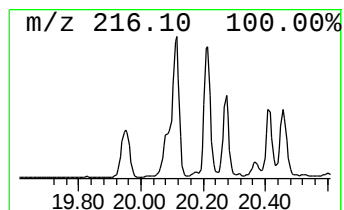
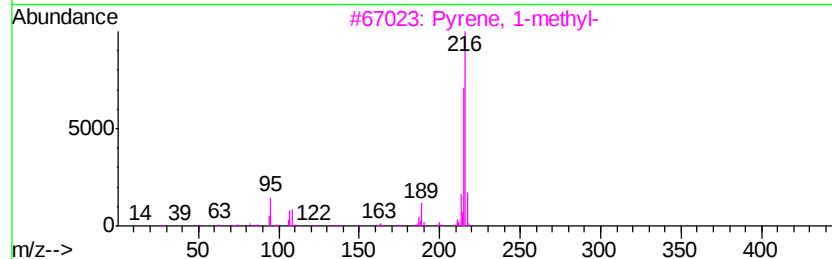
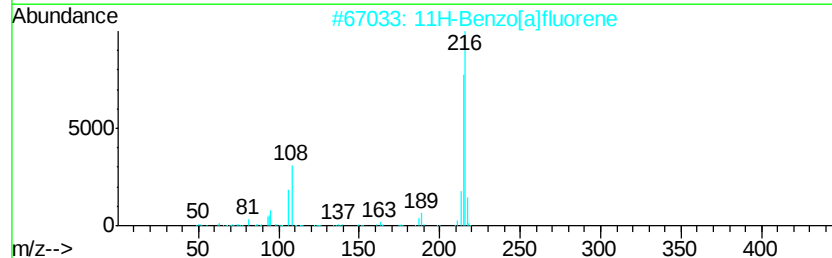
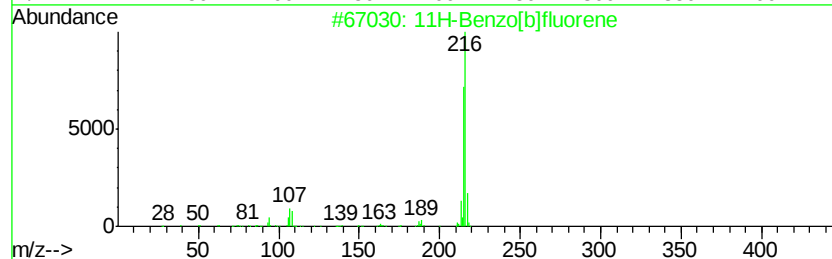
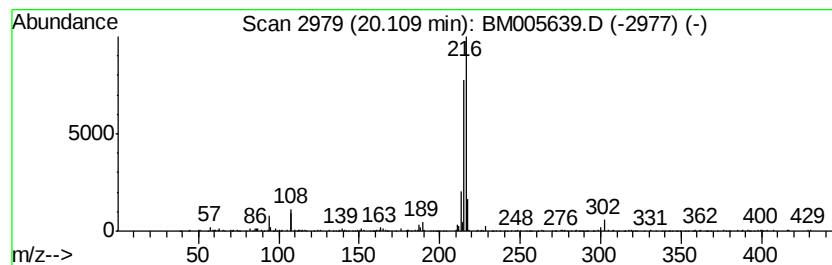
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 11H-Benzo[a]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.11	2.84 ng/ul	381198	Chrysene-d12	21.38

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3			Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
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Acq On : 24 May 2016 10:46
Operator : UM/SJ
Sample : H3086-18DL 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Dibenzothiophene	17.02	2.2	ng/ul	206821	4	17.20	1854170	20.0
Anthracene, 2-met...	18.07	4.9	ng/ul	454951	4	17.20	1854170	20.0
Phenanthrene, 2-m...	18.12	3.4	ng/ul	317400	4	17.20	1854170	20.0
4H-Cyclopenta[def...	18.27	9.8	ng/ul	909148	4	17.20	1854170	20.0
Phenanthrene, 1-m...	18.30	3.1	ng/ul	284071	4	17.20	1854170	20.0
2-Phenylnaphthalene	18.57	3.5	ng/ul	321376	4	17.20	1854170	20.0
9,10-Dimethylanth...	18.99	2.4	ng/ul	219129	4	17.20	1854170	20.0
11H-Benzo[a]fluorene	20.11	2.8	ng/ul	381198	5	21.38	2682580	20.0