

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
 Data File : BM010739.D
 Acq On : 24 Jun 2017 20:39
 Operator : SJ/JU
 Sample : I3653-08DL 30X
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5C51DL

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	785	rVB	268077	401134	18.16%	1.885%
2	10.222	1239	1247	1251	rBV	369402	636961	28.83%	2.993%
3	10.269	1251	1255	1262	rVB	997947	1556499	70.46%	7.314%
4	10.386	1269	1275	1282	rVB3	19085	30673	1.39%	0.144%
5	11.892	1524	1531	1538	rBV	383795	577434	26.14%	2.713%
6	12.116	1559	1569	1577	rBB	190484	297728	13.48%	1.399%
7	12.933	1702	1708	1713	rBV	108200	151535	6.86%	0.712%
8	13.127	1735	1741	1749	rBB	42699	66197	3.00%	0.311%
9	13.263	1757	1764	1765	rBV2	53465	69475	3.15%	0.326%
10	13.422	1786	1791	1796	rBV	85432	139290	6.31%	0.654%
11	13.480	1796	1801	1805	rVV2	54366	76651	3.47%	0.360%
12	13.663	1826	1832	1836	rBV2	34103	50119	2.27%	0.235%
13	13.798	1848	1855	1857	rBV3	14203	22158	1.00%	0.104%
14	13.827	1857	1860	1867	rVB3	29590	42603	1.93%	0.200%
15	14.110	1899	1908	1914	rBV2	633573	977469	44.25%	4.593%
16	14.174	1914	1919	1927	rVV	445926	652778	29.55%	3.067%
17	14.321	1939	1944	1955	rBB3	15280	28896	1.31%	0.136%
18	14.421	1955	1961	1967	rBB2	19953	29046	1.31%	0.136%
19	14.510	1967	1976	1985	rBV	346537	505639	22.89%	2.376%
20	14.592	1985	1990	1994	rBV2	17302	23909	1.08%	0.112%
21	14.739	2008	2015	2019	rBV5	12395	22284	1.01%	0.105%
22	15.104	2072	2077	2082	rBV3	31163	44662	2.02%	0.210%
23	15.163	2082	2087	2093	rBV	489109	655666	29.68%	3.081%
24	15.263	2098	2104	2106	rBV3	19238	30173	1.37%	0.142%
25	15.292	2106	2109	2112	rVV2	27606	40555	1.84%	0.191%
26	15.327	2112	2115	2120	rVB2	57067	70545	3.19%	0.331%
27	15.416	2127	2130	2134	rVV3	23732	27711	1.25%	0.130%
28	15.463	2134	2138	2147	rVB	76330	99572	4.51%	0.468%
29	15.610	2158	2163	2172	rVB2	73317	145584	6.59%	0.684%
30	15.963	2218	2223	2230	rVB5	15403	25162	1.14%	0.118%
31	16.174	2252	2259	2264	rVB2	49462	85752	3.88%	0.403%
32	16.221	2264	2267	2273	rVB4	21655	29119	1.32%	0.137%
33	16.321	2278	2284	2290	rVB4	22080	33527	1.52%	0.158%
34	16.445	2301	2305	2308	rVB4	19230	24025	1.09%	0.113%

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35	16.598	2327	2331	2333	rBV3	26255	35968	1.63%	0.169%
36	16.621	2333	2335	2338	rVV2	27962	26903	1.22%	0.126%
37	16.680	2338	2345	2350	rVB2	93878	127066	5.75%	0.597%
38	16.862	2370	2376	2380	rBV	891525	1267700	57.39%	5.957%
39	16.910	2380	2384	2390	rVV	1656851	2208996	100.00%	10.379%
40	16.962	2390	2393	2394	rVV2	34465	37054	1.68%	0.174%
41	16.992	2394	2398	2405	rVB	286494	403208	18.25%	1.895%
42	17.268	2440	2445	2450	rBV	127552	170114	7.70%	0.799%
43	17.392	2462	2466	2471	rBV3	19443	25265	1.14%	0.119%
44	17.739	2517	2525	2529	rBV	114201	158699	7.18%	0.746%
45	17.786	2529	2533	2540	rVB	158129	207790	9.41%	0.976%
46	17.868	2540	2547	2552	rBV	61113	87862	3.98%	0.413%
47	17.933	2552	2558	2562	rVV2	187037	308400	13.96%	1.449%
48	17.974	2562	2565	2573	rVB2	56316	74217	3.36%	0.349%
49	18.251	2607	2612	2617	rBV	83425	106628	4.83%	0.501%
50	18.668	2678	2683	2689	rBV2	33948	64378	2.91%	0.302%
51	18.733	2689	2694	2698	rBV4	22447	37202	1.68%	0.175%
52	18.933	2723	2728	2736	rBV	1119155	1495761	67.71%	7.028%
53	19.180	2767	2770	2774	rVB2	24301	33100	1.50%	0.156%
54	19.303	2780	2791	2800	rBV	711252	1319806	59.75%	6.201%
55	19.380	2800	2804	2812	rVB3	34798	56039	2.54%	0.263%
56	19.486	2816	2822	2828	rVB	46973	63399	2.87%	0.298%
57	19.633	2839	2847	2853	rBV4	45692	113184	5.12%	0.532%
58	19.686	2853	2856	2860	rVV	23797	28555	1.29%	0.134%
59	19.768	2864	2870	2871	rVV4	36475	49630	2.25%	0.233%
60	19.803	2872	2876	2881	rVB	145690	201371	9.12%	0.946%
61	19.903	2887	2893	2898	rBV	155026	209077	9.46%	0.982%
62	19.962	2898	2903	2907	rVV3	61667	107616	4.87%	0.506%
63	20.003	2907	2910	2914	rVV3	25825	38305	1.73%	0.180%
64	20.045	2914	2917	2923	rVV6	16791	25719	1.16%	0.121%
65	20.103	2923	2927	2931	rVV2	22931	34345	1.55%	0.161%
66	20.150	2931	2935	2940	rVB3	27068	43139	1.95%	0.203%
67	20.403	2975	2978	2980	rVV4	20685	23310	1.06%	0.110%
68	20.439	2980	2984	2988	rVB6	13776	24364	1.10%	0.114%
69	20.521	2995	2998	3003	rBV5	23266	40032	1.81%	0.188%
70	20.727	3028	3033	3036	rBV	56554	70626	3.20%	0.332%
71	20.762	3036	3039	3042	rVV2	44540	52750	2.39%	0.248%

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72	20.797	3042	3045	3051	rVB3	28232	41497	1.88%	0.195%
73	20.962	3070	3073	3079	rVB4	15572	23533	1.07%	0.111%
74	21.080	3085	3093	3096	rBV2	1226175	1918124	86.83%	9.013%
75	21.115	3096	3099	3106	rVB	262336	333122	15.08%	1.565%
76	21.233	3115	3119	3122	rBV	59615	69128	3.13%	0.325%
77	21.386	3141	3145	3150	rBV4	32755	50864	2.30%	0.239%
78	21.615	3181	3184	3188	rVB3	37033	45295	2.05%	0.213%
79	21.662	3190	3192	3197	rVB6	24004	27461	1.24%	0.129%
80	21.833	3219	3221	3226	rVB6	30154	37543	1.70%	0.176%
81	22.580	3344	3348	3361	rBV	118864	352422	15.95%	1.656%
82	23.033	3421	3425	3430	rVB2	57329	78969	3.57%	0.371%
83	23.121	3436	3440	3448	rVB	88434	182173	8.25%	0.856%
84	23.215	3449	3456	3462	rBV	606860	1074186	48.63%	5.047%

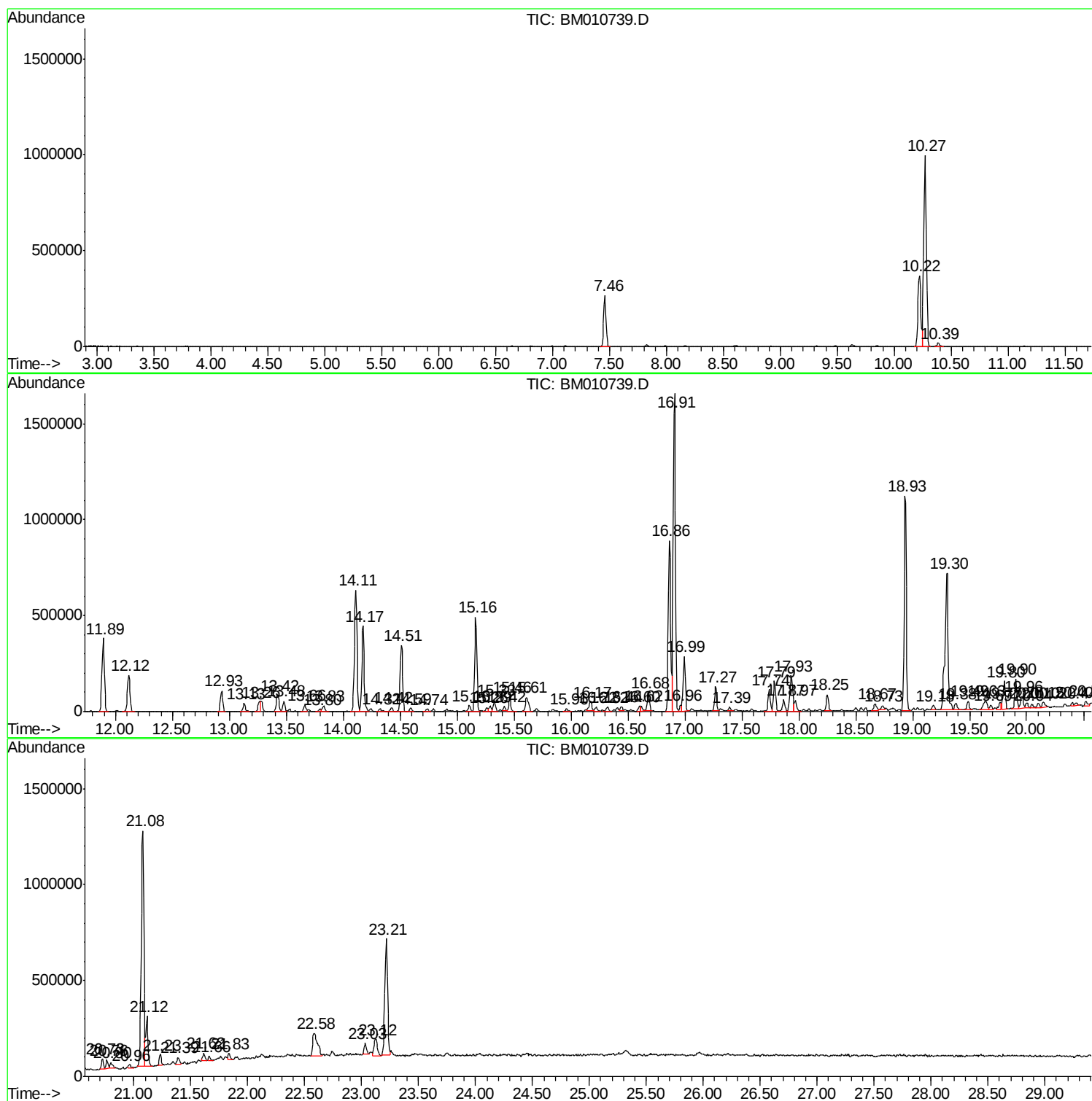
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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



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Instrument :
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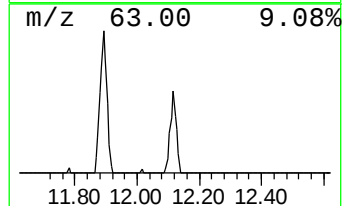
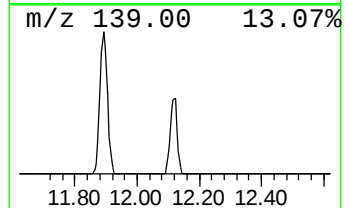
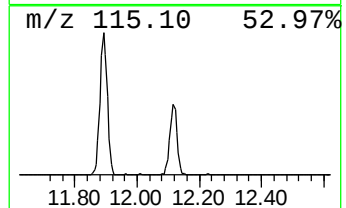
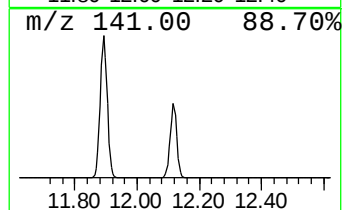
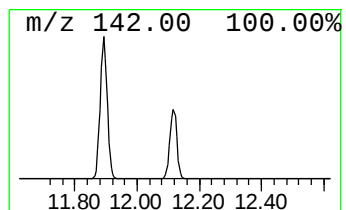
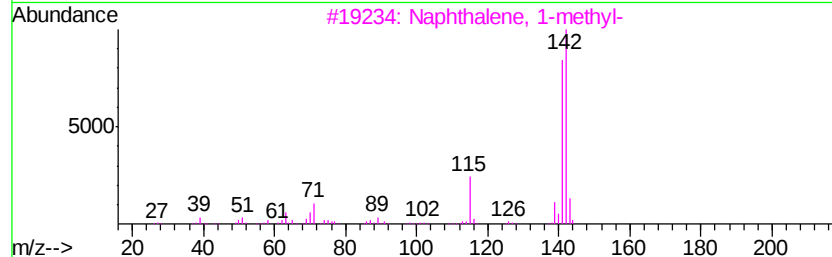
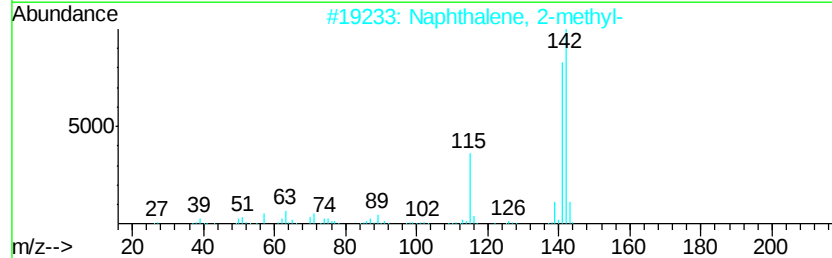
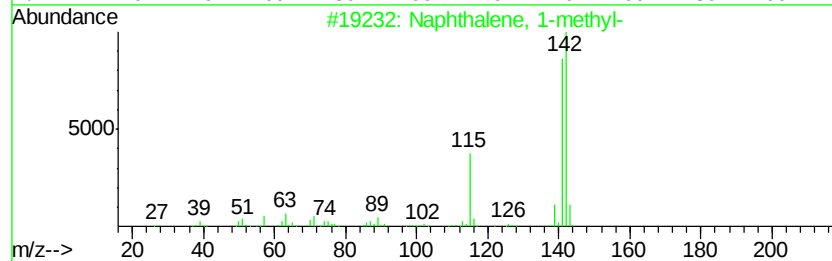
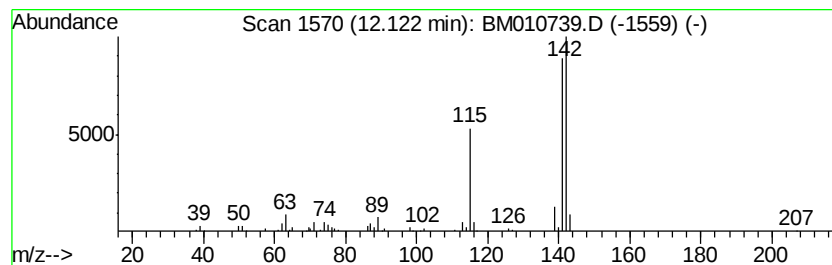
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	9.35 ng/ul	297728	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	94
3			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4			Benzocycloheptatriene	142	C11H10	000264-09-5	94
5			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93



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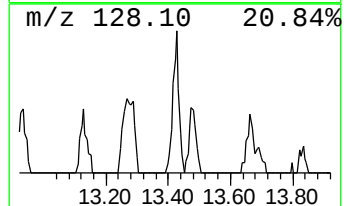
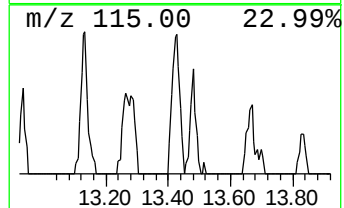
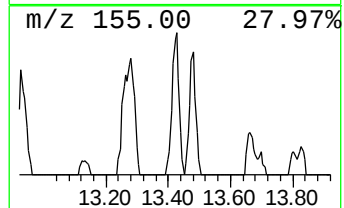
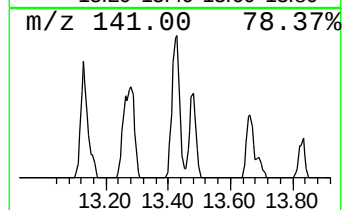
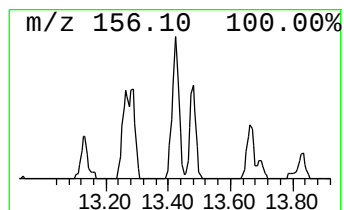
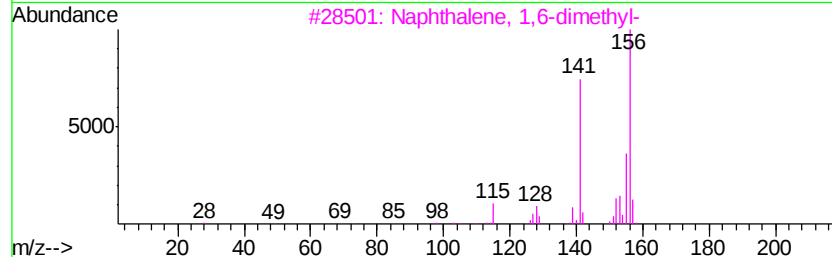
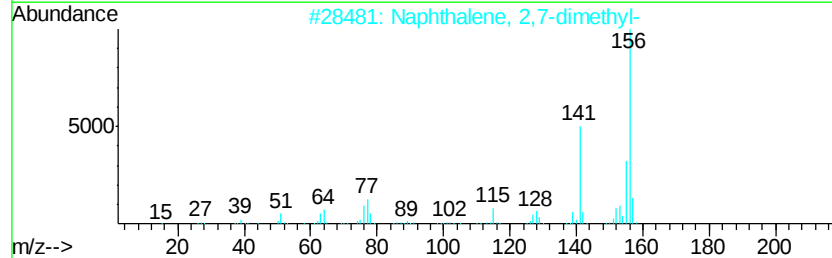
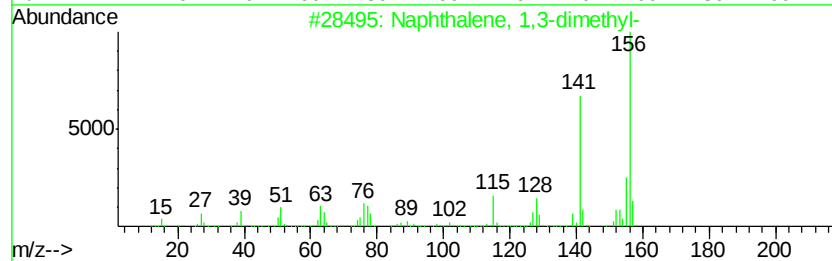
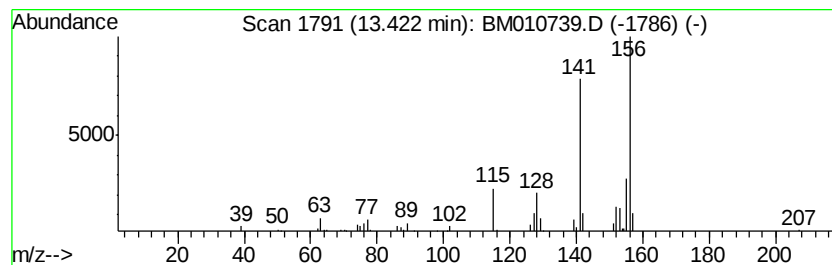
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphthalene, 1,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	2.85 ng/ul	139290	Acenaphthene-d10	14.11
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 97
2		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 95
3		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 95
4		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 94
5		Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4 94



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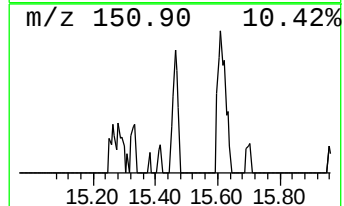
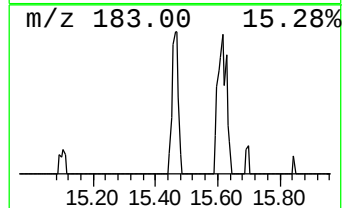
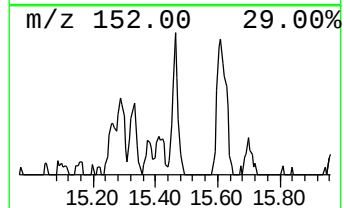
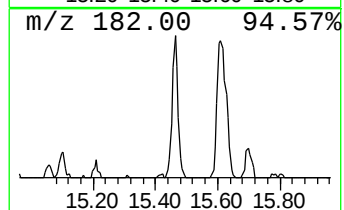
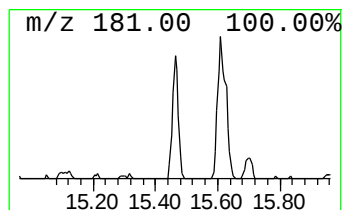
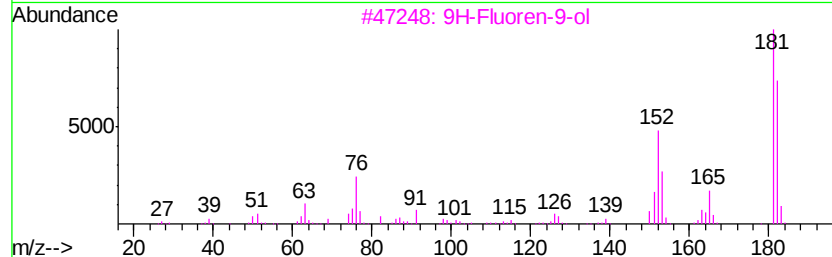
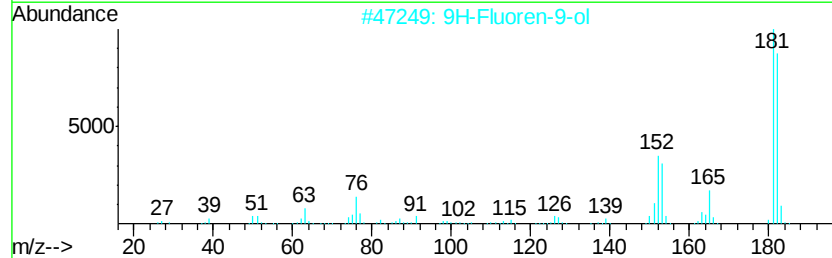
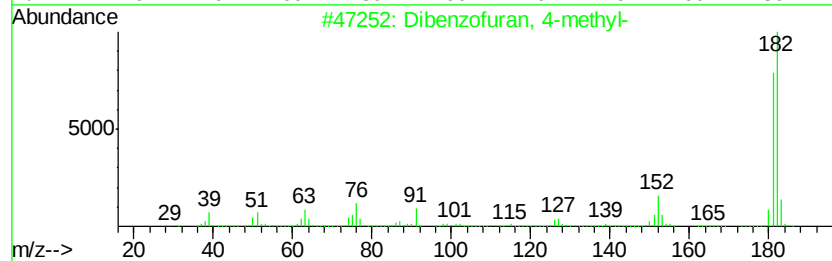
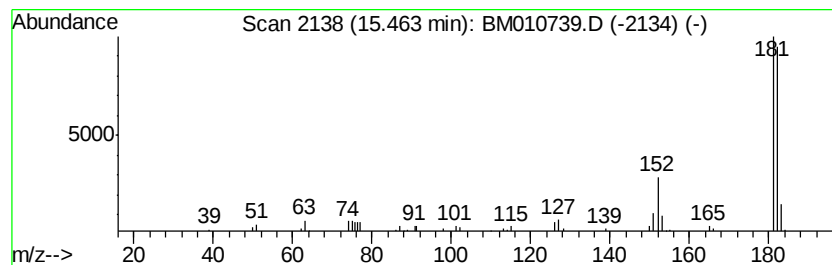
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Quant Title : SVOA CALIBRATION

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

Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.46	2.04 ng/ul	99572	Acenaphthene-d10	14.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
3		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
4		2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
5		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78



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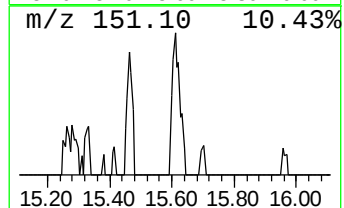
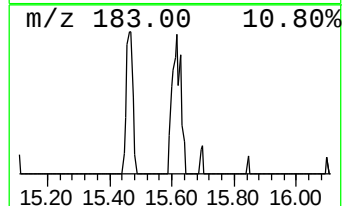
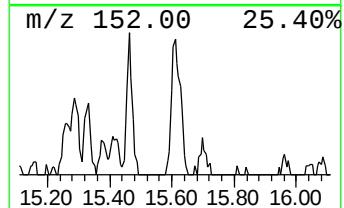
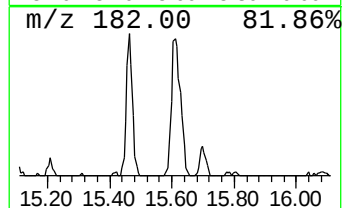
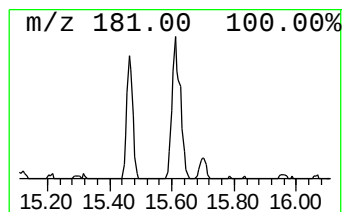
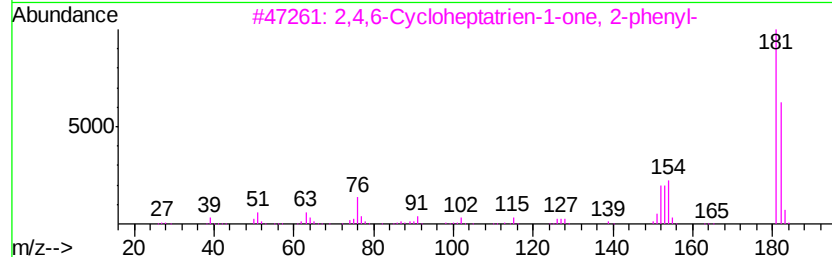
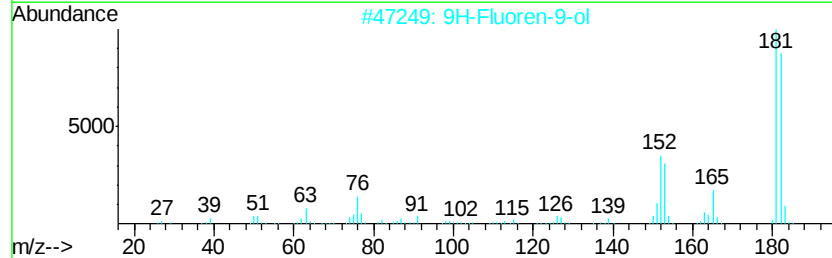
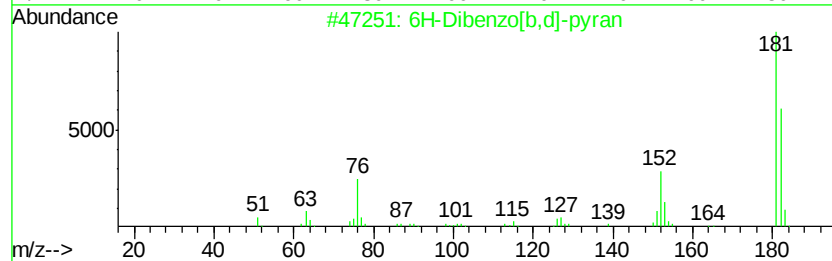
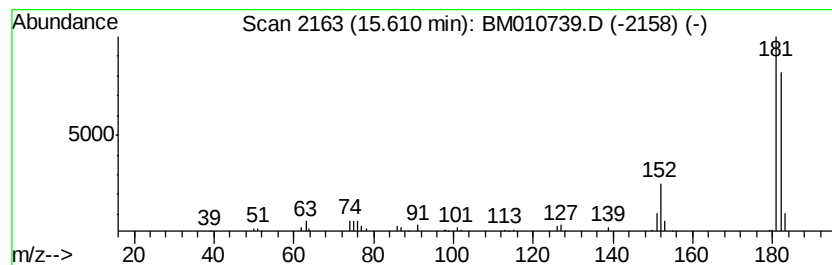
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 6H-Dibenzo[b,d]-pyran Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	2.30 ng/ul	145584	Phenanthrene-d10	16.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
2		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	91
3		2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	91
4		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
5		2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	83



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010739.D
Acq On : 24 Jun 2017 20:39
Operator : SJ/JU
Sample : I3653-08DL 30X
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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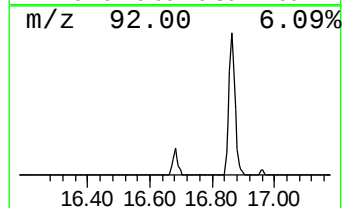
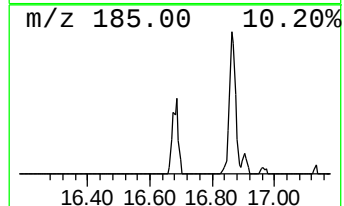
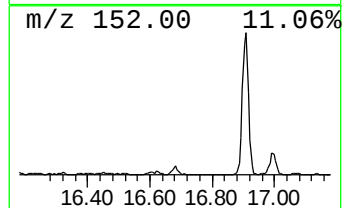
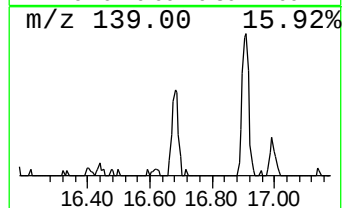
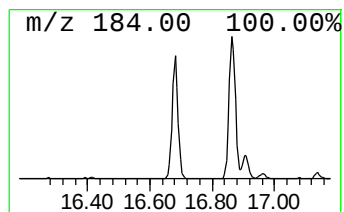
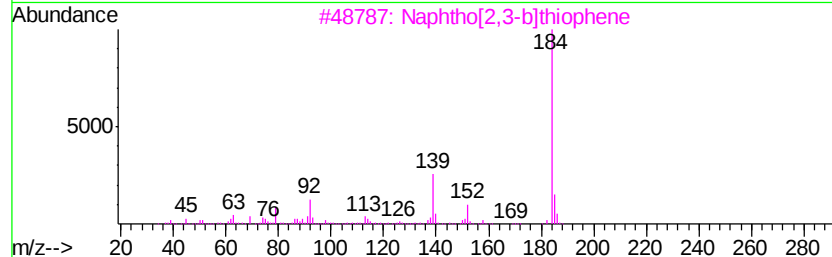
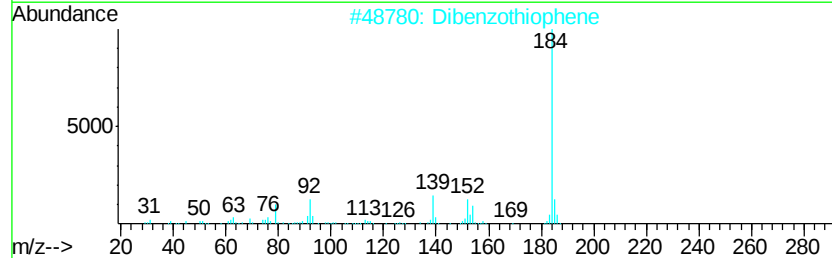
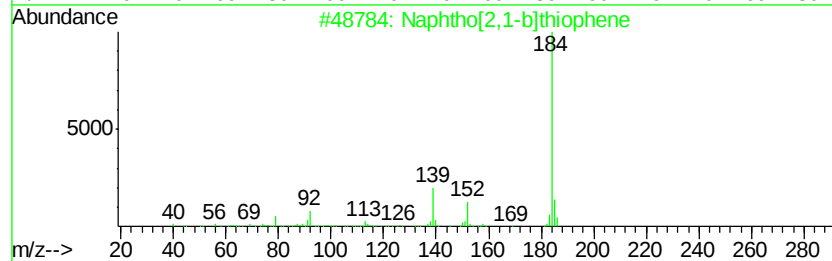
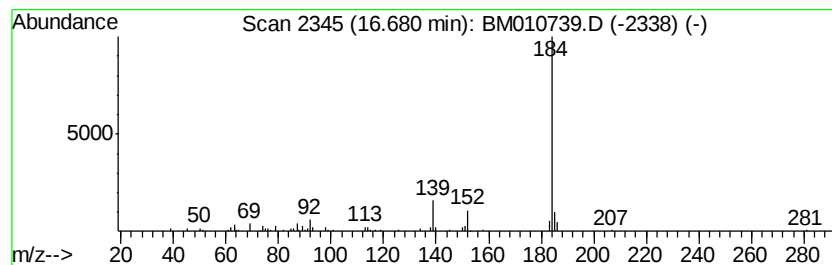
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Naphtho[2,1-b]thiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.68	2.00 ng/ul	127066	Phenanthrene-d10	16.86

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90
2		Dibenzothiophene	184	C12H8S	000132-65-0	90
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	83
4		Dibenzothiophene	184	C12H8S	000132-65-0	83
5		Dibenzothiophene	184	C12H8S	000132-65-0	83



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010739.D
Acq On : 24 Jun 2017 20:39
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Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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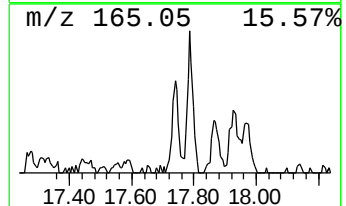
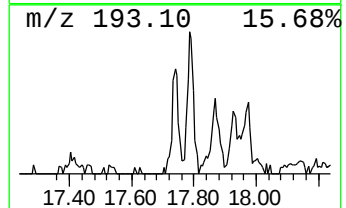
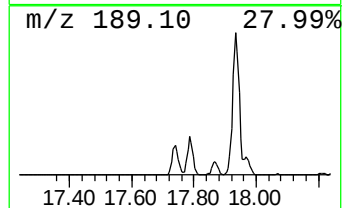
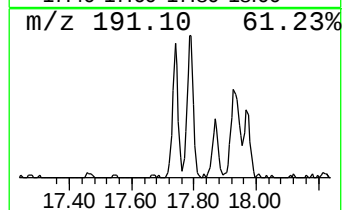
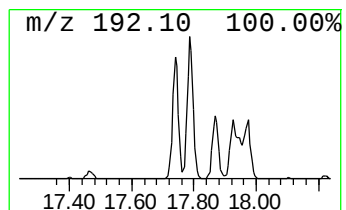
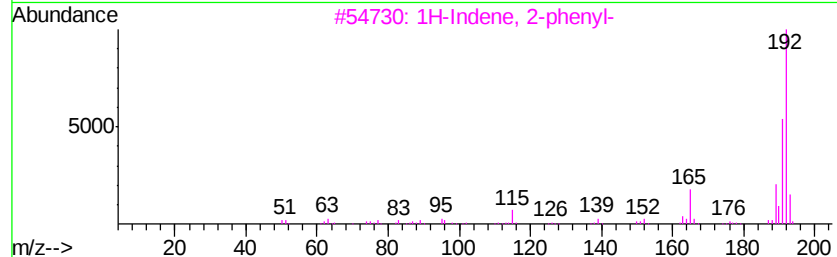
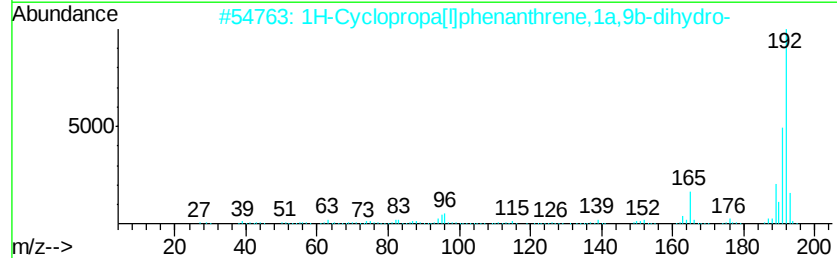
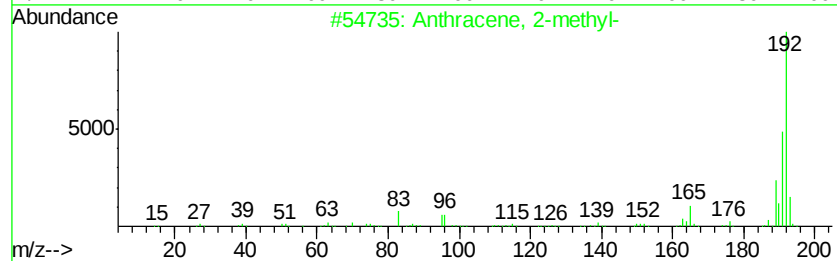
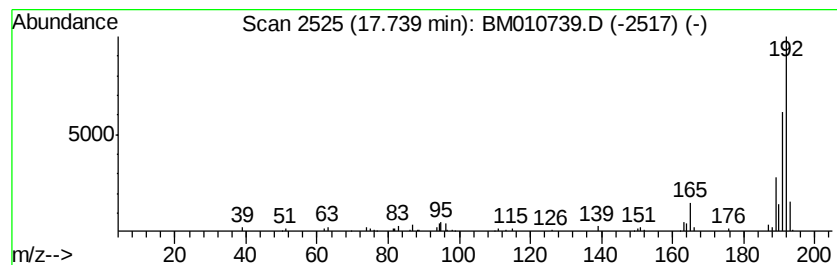
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.74	2.50 ng/ul	158699	Phenanthrene-d10	16.86

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	94
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010739.D
Acq On : 24 Jun 2017 20:39
Operator : SJ/JU
Sample : I3653-08DL 30X
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
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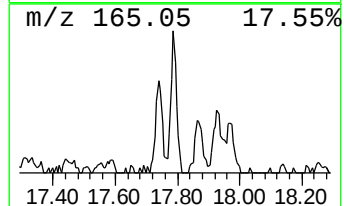
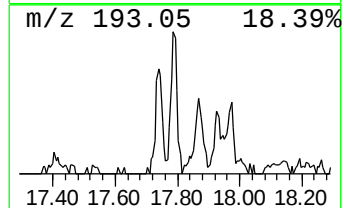
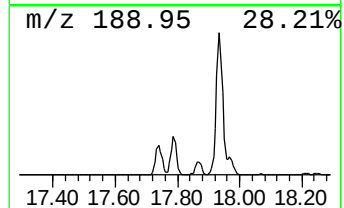
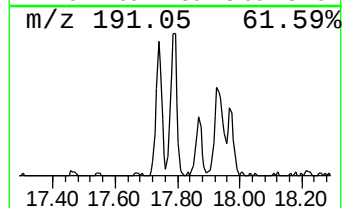
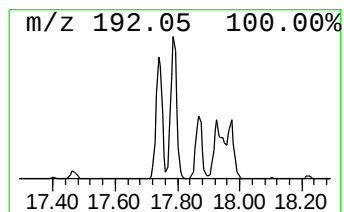
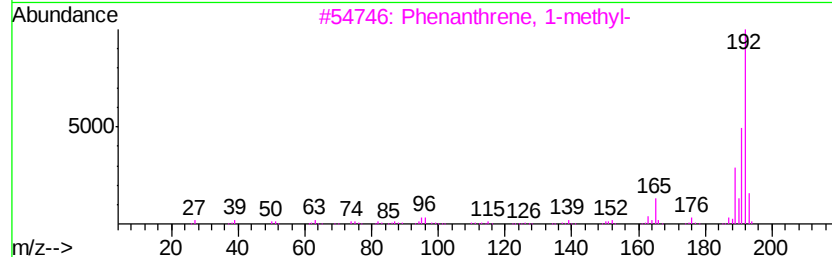
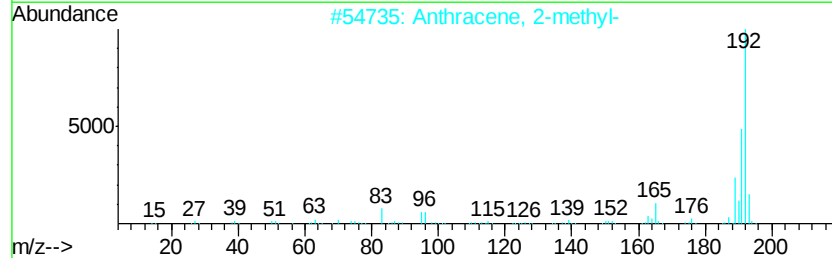
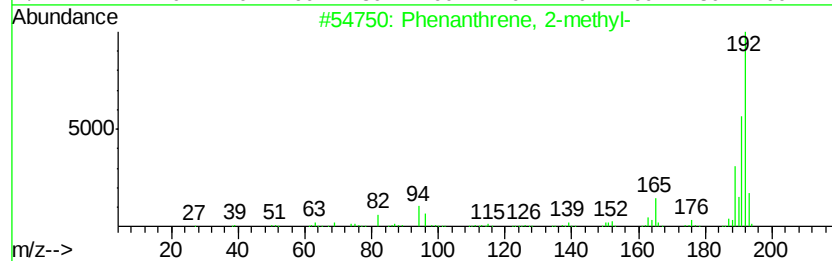
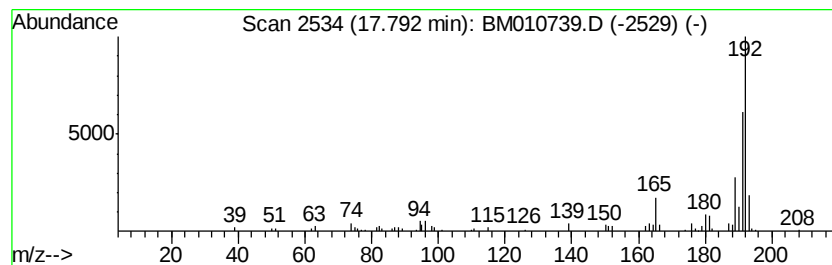
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	3.28 ng/ul	207790	Phenanthrene-d10	16.86

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	96



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010739.D
Acq On : 24 Jun 2017 20:39
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ALS Vial : 54 Sample Multiplier: 1

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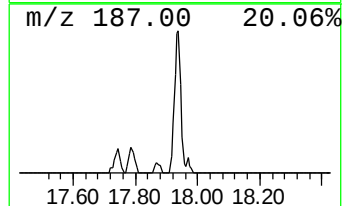
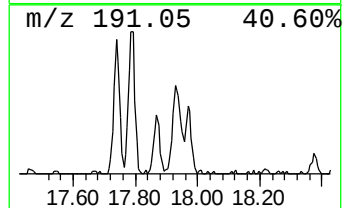
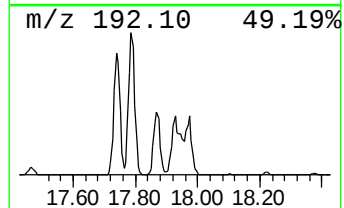
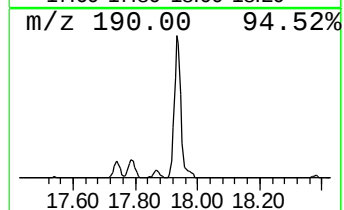
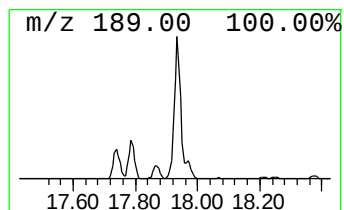
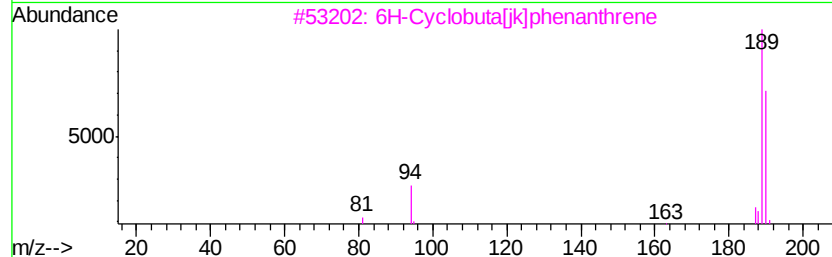
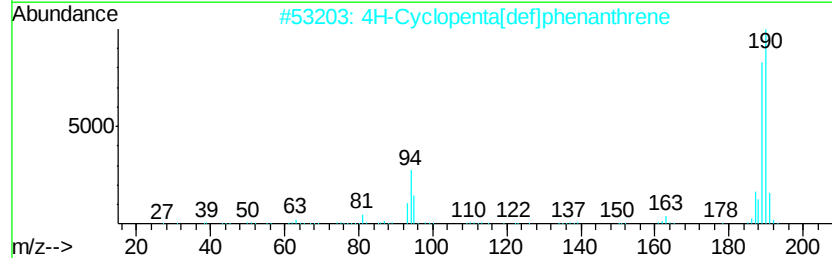
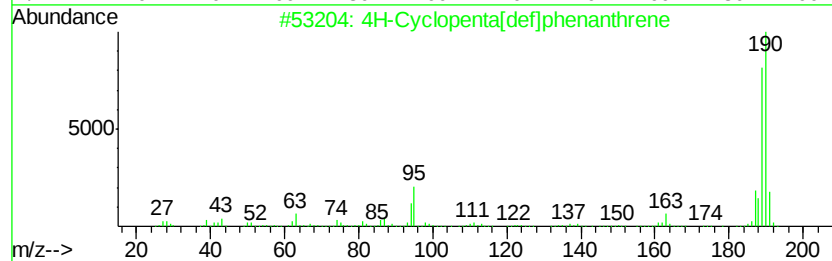
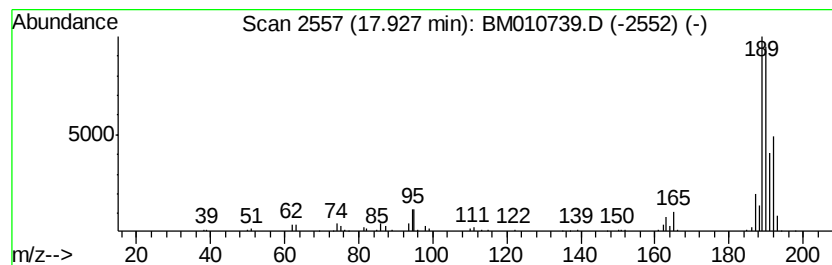
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	4.87 ng/ul	308400	Phenanthrene-d10	16.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
3		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
4		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
5		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010739.D
Acq On : 24 Jun 2017 20:39
Operator : SJ/JU
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Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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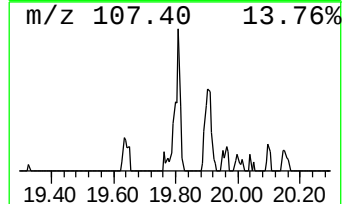
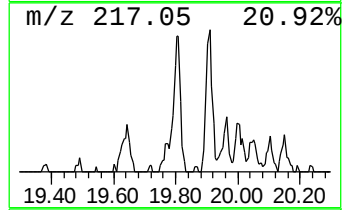
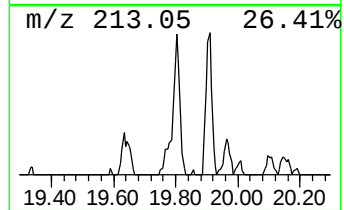
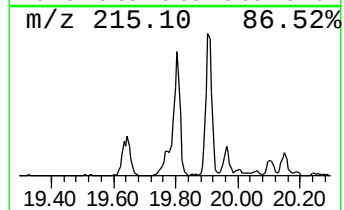
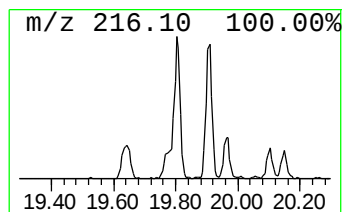
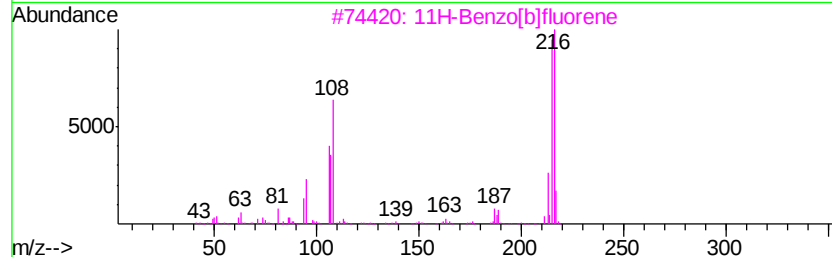
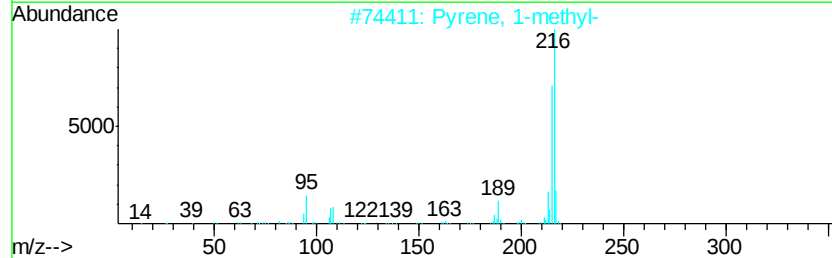
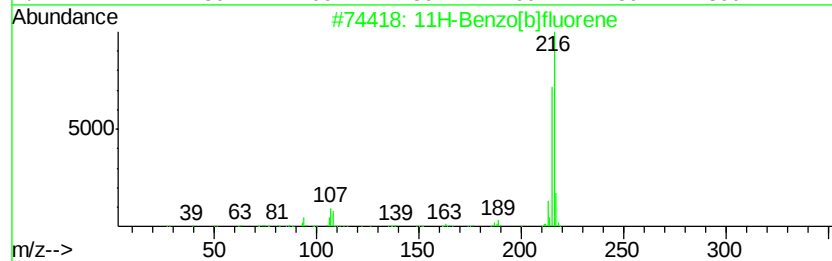
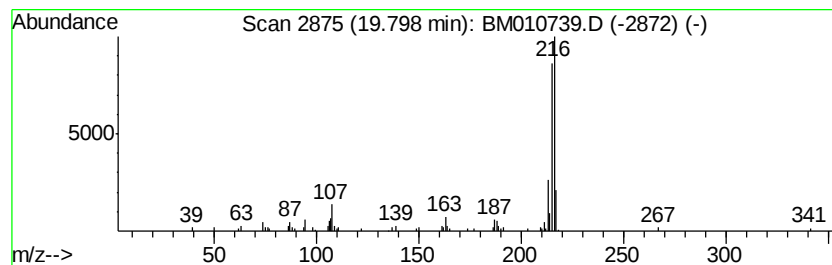
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	2.10 ng/ul	201371	Chrysene-d12	21.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5		Pyrene, 1-methyl-	216	C17H12	002381-21-7	86



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010739.D
Acq On : 24 Jun 2017 20:39
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Misc :
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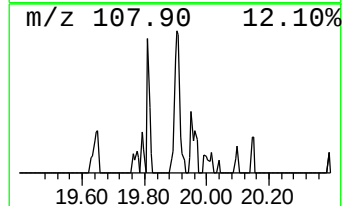
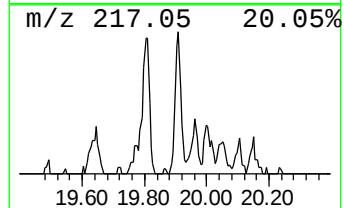
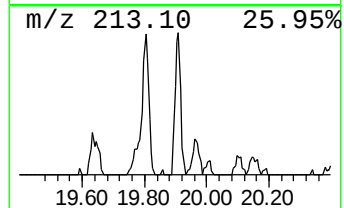
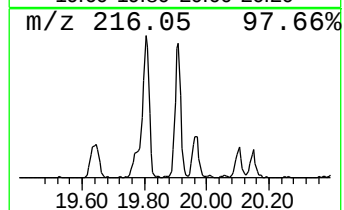
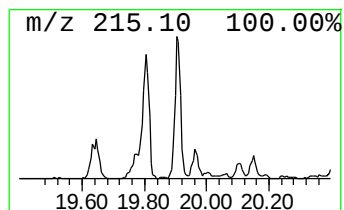
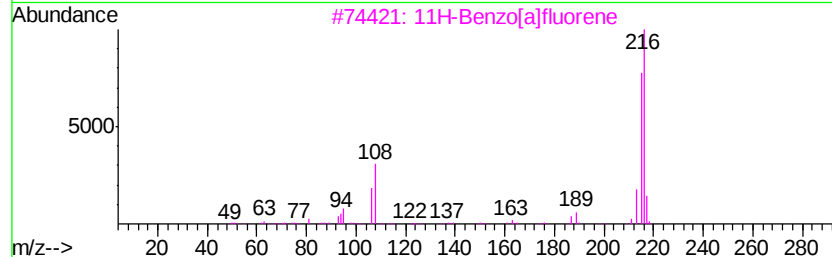
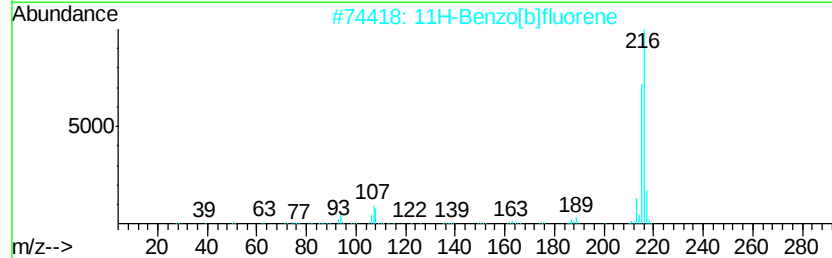
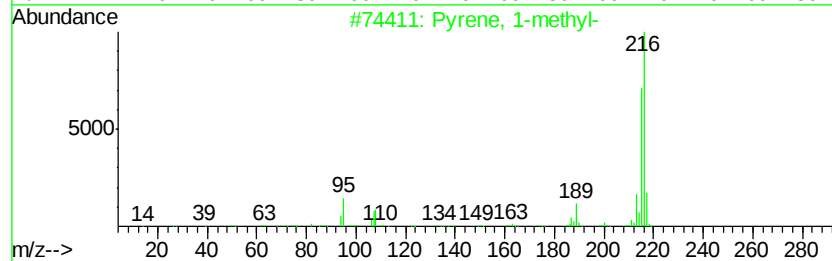
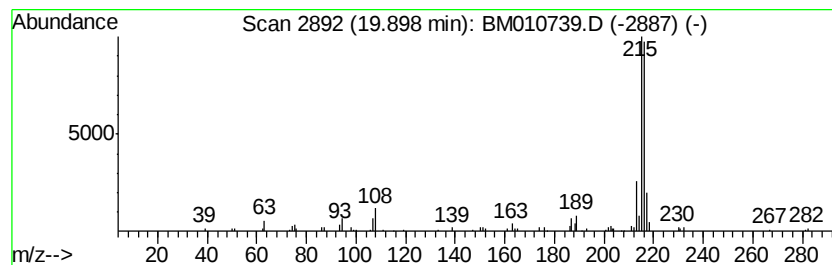
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.90	2.18 ng/ul	209077	Chrysene-d12	21.08

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
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Operator : SJ/JU
Sample : I3653-08DL 30X
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C51DL

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
Naphthalene, 1-me...	12.12	9.3	ng/ul	297728	2	10.22	636961	20.0
Naphthalene, 1,3-...	13.42	2.9	ng/ul	139290	3	14.11	977469	20.0
Dibenzofuran, 4-m...	15.46	2.0	ng/ul	99572	3	14.11	977469	20.0
6H-Dibenzo[b,d]-p...	15.61	2.3	ng/ul	145584	4	16.86	1267700	20.0
Naphtho[2,1-b]thi...	16.68	2.0	ng/ul	127066	4	16.86	1267700	20.0
Anthracene, 2-met...	17.74	2.5	ng/ul	158699	4	16.86	1267700	20.0
Phenanthrene, 2-m...	17.79	3.3	ng/ul	207790	4	16.86	1267700	20.0
4H-Cyclopenta[def...	17.93	4.9	ng/ul	308400	4	16.86	1267700	20.0
11H-Benzo[b]fluorene	19.80	2.1	ng/ul	201371	5	21.08	1918120	20.0
Pyrene, 1-methyl-	19.90	2.2	ng/ul	209077	5	21.08	1918120	20.0