

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
 Data File : BM010730.D
 Acq On : 24 Jun 2017 15:15
 Operator : SJ/JU
 Sample : I3625-16 25X
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5C83

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	6.669	633	643	652	rVB3	50080	84139	3.31%	0.362%
2	7.457	770	777	785	rVB	260344	395253	15.56%	1.700%
3	7.593	794	800	805	rBV3	18439	27627	1.09%	0.119%
4	7.822	835	839	845	rBV	22385	32409	1.28%	0.139%
5	7.904	848	853	858	rBB	34530	50833	2.00%	0.219%
6	8.228	902	908	916	rVB	106307	174837	6.88%	0.752%
7	9.416	1105	1110	1114	rBV2	23263	35611	1.40%	0.153%
8	9.722	1158	1162	1167	rVB2	22515	32688	1.29%	0.141%
9	10.222	1240	1247	1250	rBV	374128	607843	23.93%	2.615%
10	10.275	1250	1256	1265	rVB	1261241	2079978	81.88%	8.947%
11	10.386	1265	1275	1283	rBV2	60542	106315	4.19%	0.457%
12	11.892	1524	1531	1538	rVB	535395	800575	31.52%	3.444%
13	11.975	1540	1545	1550	rBV	65696	95687	3.77%	0.412%
14	12.116	1556	1569	1576	rBB	245558	385180	15.16%	1.657%
15	12.257	1589	1593	1598	rBV3	33295	49631	1.95%	0.213%
16	12.933	1701	1708	1715	rBB	106435	152707	6.01%	0.657%
17	13.127	1736	1741	1751	rBB	42894	67210	2.65%	0.289%
18	13.269	1759	1765	1766	rBV3	68084	104946	4.13%	0.451%
19	13.422	1785	1791	1796	rBV2	104272	171982	6.77%	0.740%
20	13.480	1796	1801	1805	rVV	73356	99598	3.92%	0.428%
21	13.527	1805	1809	1813	rVB	28891	37457	1.47%	0.161%
22	13.663	1826	1832	1836	rBV	39519	59201	2.33%	0.255%
23	13.798	1849	1855	1858	rBV	27650	42534	1.67%	0.183%
24	13.827	1858	1860	1867	rVB2	27244	32169	1.27%	0.138%
25	14.110	1900	1908	1914	rBV2	642251	1004588	39.55%	4.321%
26	14.174	1914	1919	1927	rVV	370773	538251	21.19%	2.315%
27	14.239	1927	1930	1938	rVB	19833	25912	1.02%	0.111%
28	14.322	1938	1944	1953	rBV3	17802	34263	1.35%	0.147%
29	14.510	1969	1976	1984	rVB	384610	557177	21.93%	2.397%
30	14.592	1984	1990	1995	rBV2	25696	31131	1.23%	0.134%
31	15.110	2073	2078	2082	rBV2	50622	71696	2.82%	0.308%
32	15.163	2082	2087	2093	rVV	387637	554115	21.81%	2.384%
33	15.327	2112	2115	2121	rVB3	43490	56175	2.21%	0.242%
34	15.416	2126	2130	2134	rVV2	23189	32834	1.29%	0.141%

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35	15.463	2134	2138	2147	rVB2	87864	123384	4.86%	0.531%
36	15.610	2158	2163	2171	rVV2	102899	189390	7.46%	0.815%
37	15.968	2218	2224	2231	rBV5	23761	43690	1.72%	0.188%
38	16.174	2249	2259	2264	rBV4	54071	104745	4.12%	0.451%
39	16.221	2264	2267	2273	rVB4	20385	26983	1.06%	0.116%
40	16.321	2279	2284	2290	rVB4	14776	27486	1.08%	0.118%
41	16.404	2295	2298	2301	rVV2	23177	29441	1.16%	0.127%
42	16.445	2301	2305	2308	rVB4	26095	32552	1.28%	0.140%
43	16.521	2314	2318	2327	rVB6	15451	27880	1.10%	0.120%
44	16.604	2327	2332	2337	rBV3	30538	56952	2.24%	0.245%
45	16.680	2337	2345	2350	rVV	116486	159265	6.27%	0.685%
46	16.863	2370	2376	2380	rBV	843151	1252790	49.32%	5.389%
47	16.910	2380	2384	2389	rVV	1957218	2540296	100.00%	10.927%
48	16.962	2389	2393	2395	rVV2	53288	71055	2.80%	0.306%
49	16.998	2395	2399	2405	rVB	212995	287238	11.31%	1.236%
50	17.274	2441	2446	2449	rBV	23639	31579	1.24%	0.136%
51	17.392	2462	2466	2471	rVV	22361	27094	1.07%	0.117%
52	17.445	2471	2475	2485	rVB8	13591	32624	1.28%	0.140%
53	17.739	2517	2525	2529	rBV	143096	196950	7.75%	0.847%
54	17.786	2529	2533	2539	rVB	191425	265885	10.47%	1.144%
55	17.868	2542	2547	2552	rBV	71823	95755	3.77%	0.412%
56	17.933	2552	2558	2562	rVV2	212432	342411	13.48%	1.473%
57	17.974	2562	2565	2569	rVB2	73309	87729	3.45%	0.377%
58	18.251	2607	2612	2617	rBV	103907	136512	5.37%	0.587%
59	18.498	2651	2654	2658	rBV2	20578	26595	1.05%	0.114%
60	18.551	2658	2663	2666	rVV	25727	29554	1.16%	0.127%
61	18.586	2666	2669	2673	rVB3	20864	27961	1.10%	0.120%
62	18.668	2678	2683	2688	rBV2	46565	79789	3.14%	0.343%
63	18.739	2689	2695	2698	rBV4	25114	42508	1.67%	0.183%
64	18.939	2723	2729	2735	rBV	1374139	1769214	69.65%	7.610%
65	19.180	2766	2770	2775	rBV	37832	52723	2.08%	0.227%
66	19.274	2782	2786	2787	rBV	282151	330266	13.00%	1.421%
67	19.304	2787	2791	2799	rVB	808697	1148387	45.21%	4.940%
68	19.374	2799	2803	2812	rVB2	41638	74155	2.92%	0.319%
69	19.486	2818	2822	2828	rVB	64241	75849	2.99%	0.326%
70	19.633	2841	2847	2857	rBV5	48209	127786	5.03%	0.550%
71	19.774	2865	2871	2872	rBV3	35979	56385	2.22%	0.243%

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72	19.804	2872	2876	2883	rVB	135047	187466	7.38%	0.806%
73	19.909	2889	2894	2898	rBV	129011	157492	6.20%	0.677%
74	19.962	2898	2903	2908	rVV2	73991	132027	5.20%	0.568%
75	20.051	2914	2918	2921	rVB3	24300	32716	1.29%	0.141%
76	20.103	2923	2927	2930	rBV2	22339	31027	1.22%	0.133%
77	20.151	2930	2935	2941	rBV4	29634	57718	2.27%	0.248%
78	20.521	2994	2998	3002	rBV7	16145	28452	1.12%	0.122%
79	20.721	3028	3032	3036	rBV	59864	79289	3.12%	0.341%
80	20.762	3036	3039	3042	rVV3	53196	70416	2.77%	0.303%
81	20.798	3042	3045	3051	rVB	35534	49913	1.96%	0.215%
82	21.080	3085	3093	3097	rBV2	1252203	1954570	76.94%	8.408%
83	21.115	3097	3099	3106	rVB	250193	286457	11.28%	1.232%
84	21.233	3115	3119	3123	rBV	45631	57058	2.25%	0.245%
85	21.380	3141	3144	3149	rBV6	23225	40233	1.58%	0.173%
86	21.615	3182	3184	3189	rVB4	35309	39213	1.54%	0.169%
87	22.586	3345	3349	3354	rBV	73071	144821	5.70%	0.623%
88	23.039	3422	3426	3429	rVB4	30719	48491	1.91%	0.209%
89	23.080	3431	3433	3437	rVV4	34913	38561	1.52%	0.166%
90	23.121	3437	3440	3449	rVB2	72129	144700	5.70%	0.622%
91	23.215	3450	3456	3463	rBV2	570748	1003724	39.51%	4.318%

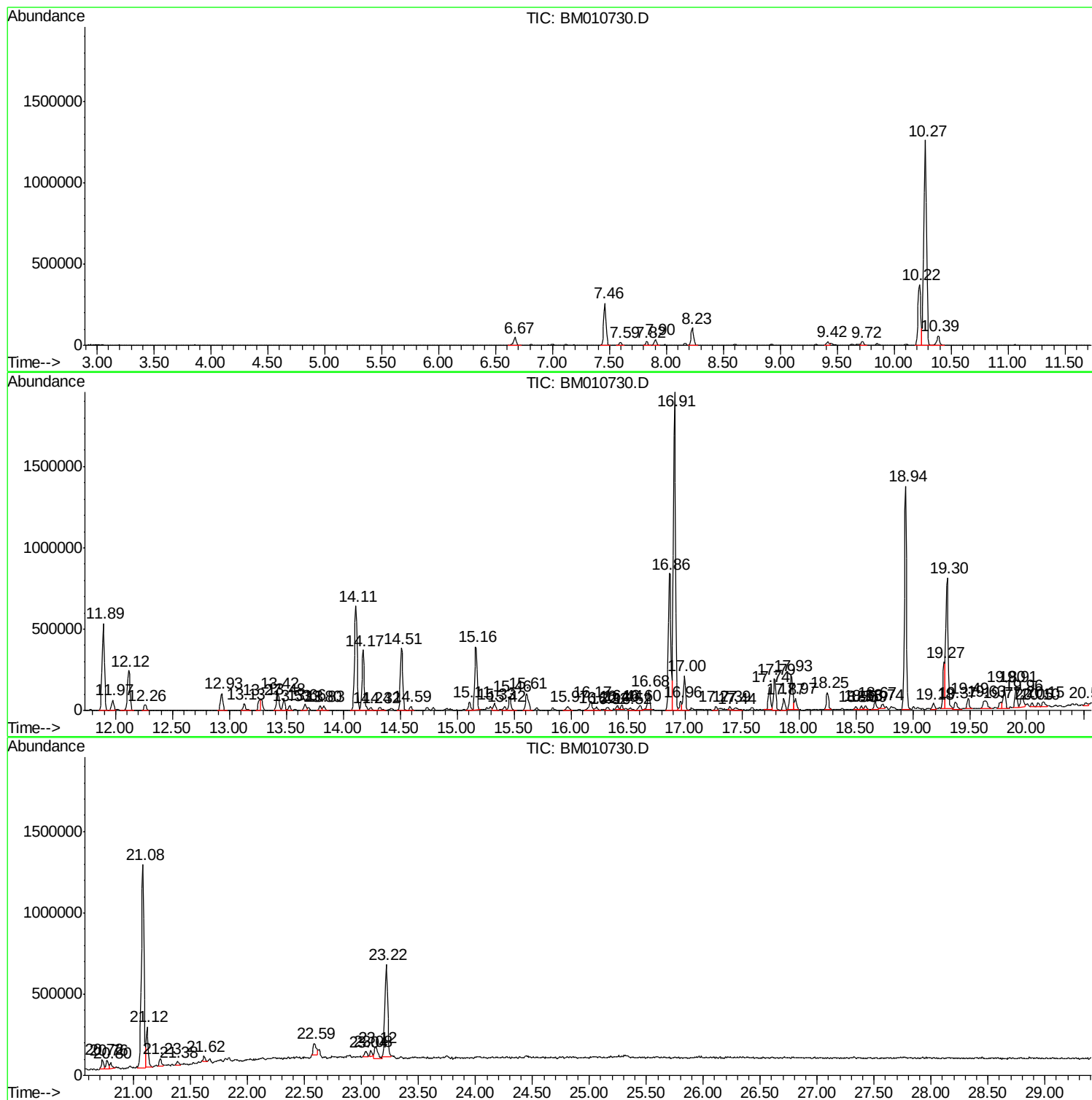
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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



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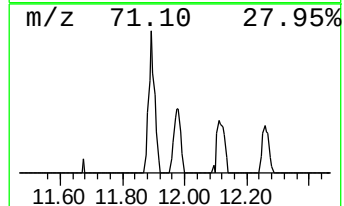
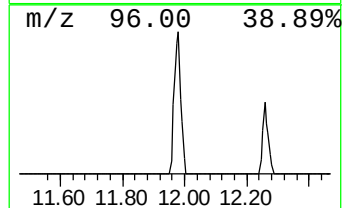
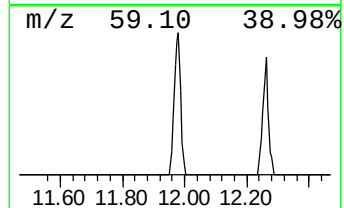
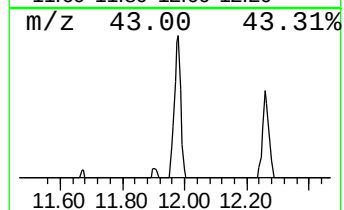
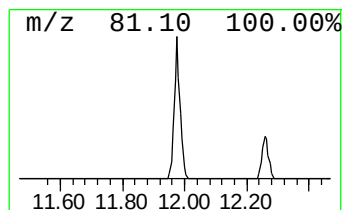
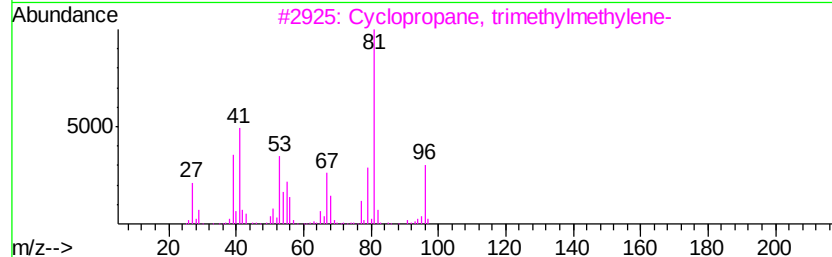
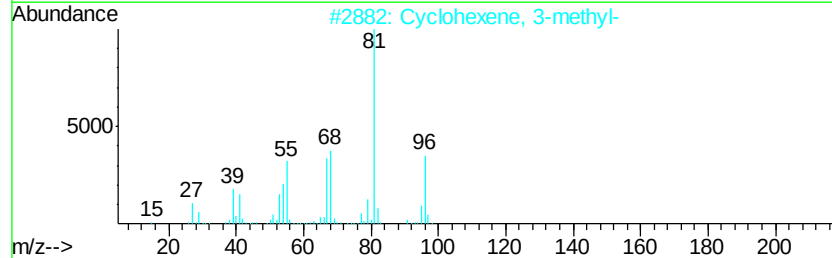
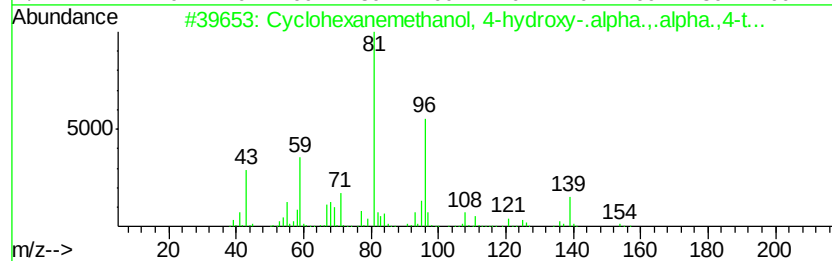
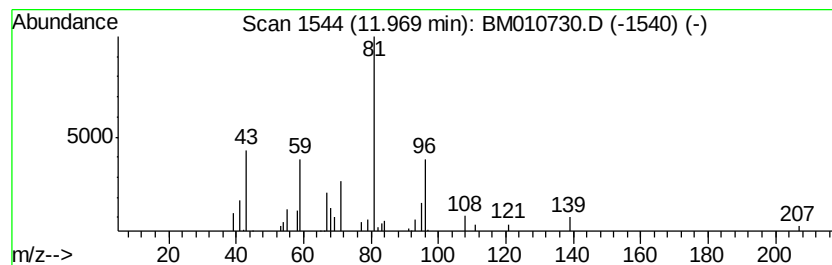
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Cyclohexanemethanol, 4-hydr... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.97	3.15 ng/ul	95687	Napthalene-d8	10.22		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexanemethanol, 4-hydroxy-....	172	C10H20O2	000080-53-5	78
2		Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	47
3		Cyclopropane, trimethylmethylene-	96	C7H12	034462-28-7	47
4		1,4-Hexadiene, 4-methyl-	96	C7H12	001116-90-1	47
5		Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	47



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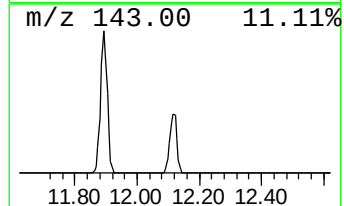
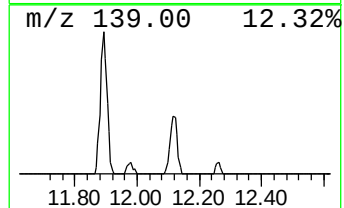
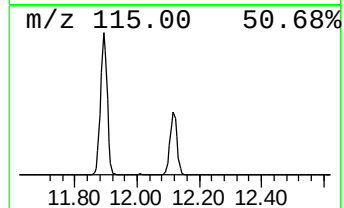
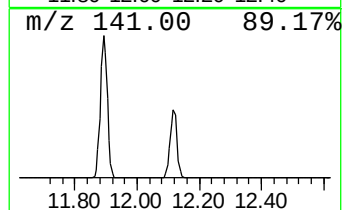
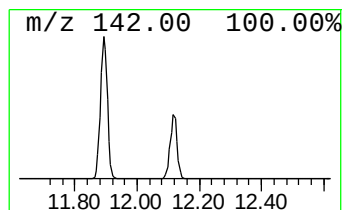
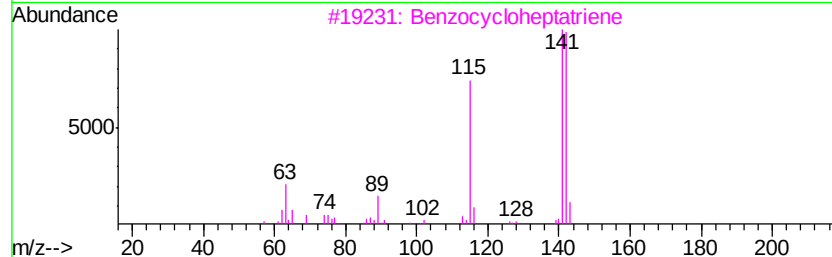
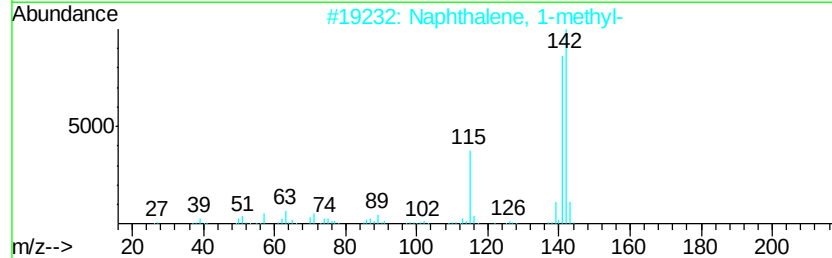
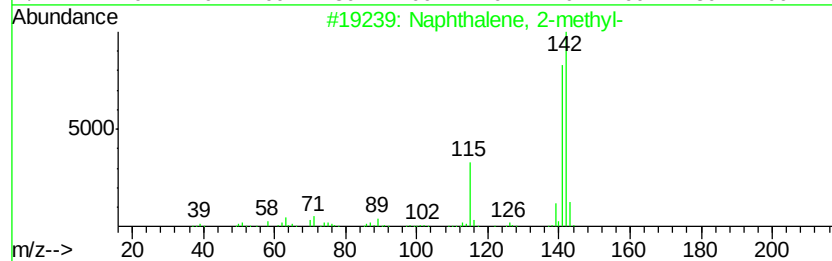
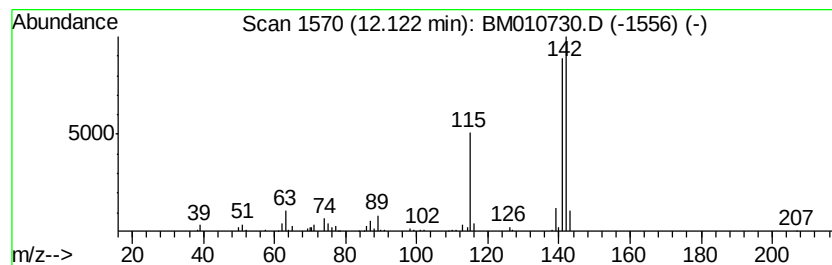
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.12	12.67 ng/ul	385180	Naphthalene-d8	10.22		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
3		Benzocycloheptatriene	142	C11H10	000264-09-5	95
4		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94



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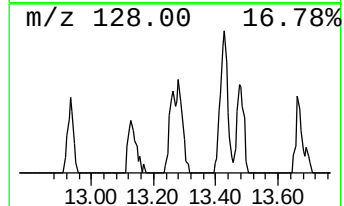
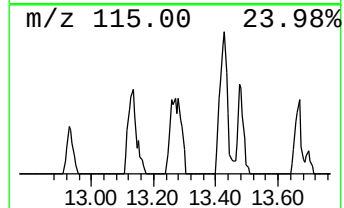
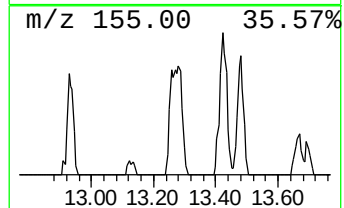
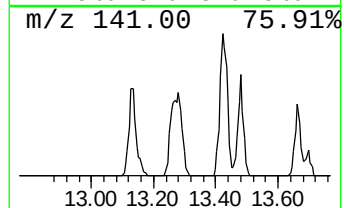
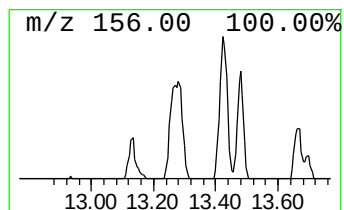
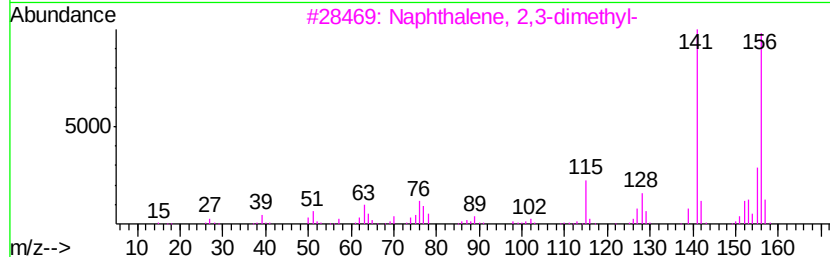
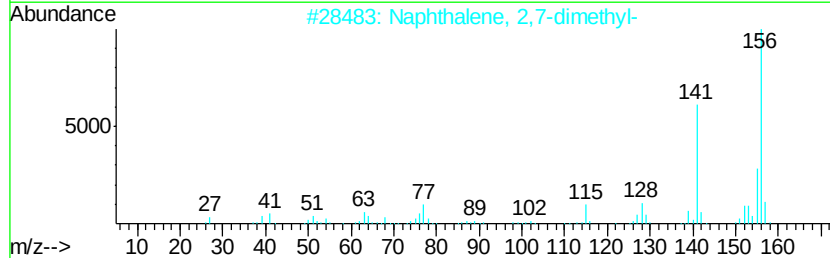
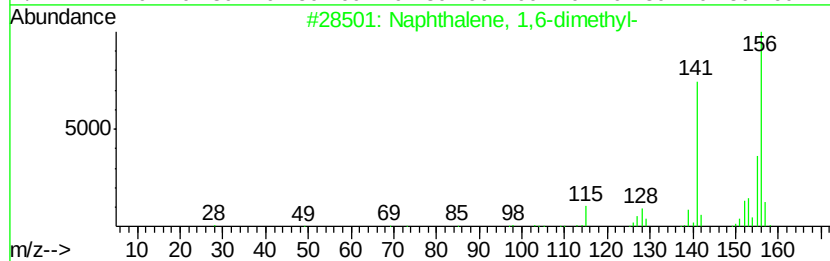
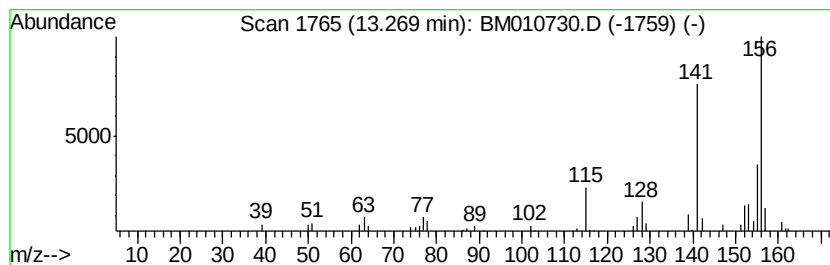
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Quant Title : SVOA CALIBRATION

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

Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	2.09 ng/ul	104946	Acenaphthene-d10	14.11
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 95
2		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 94
3		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 94
4		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 94
5		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 94



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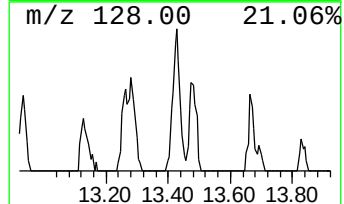
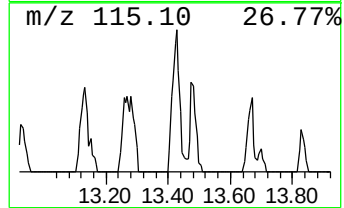
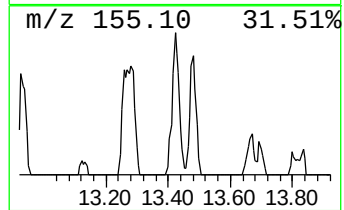
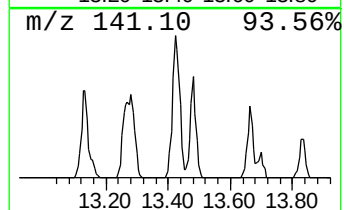
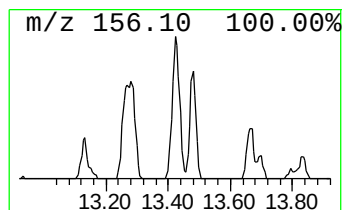
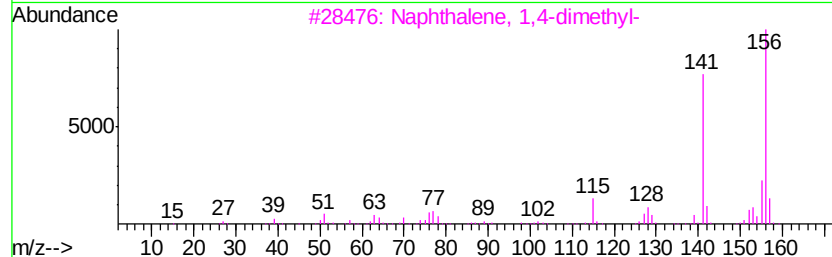
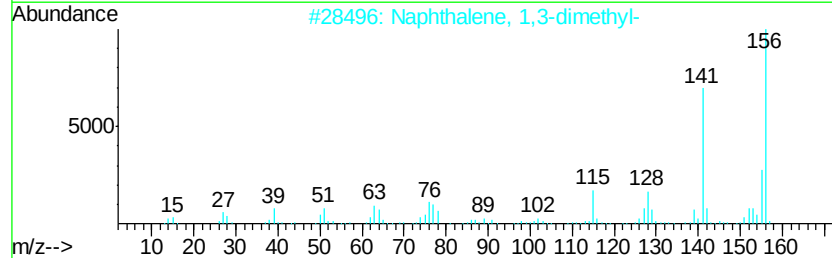
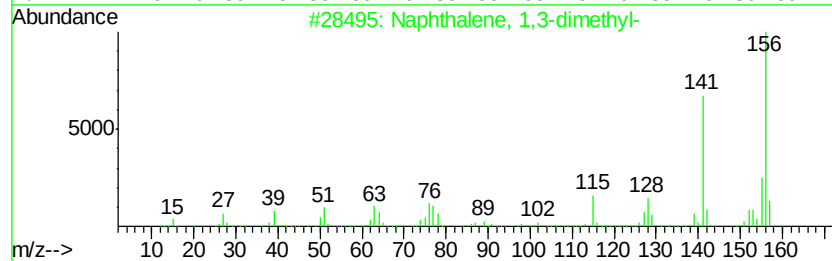
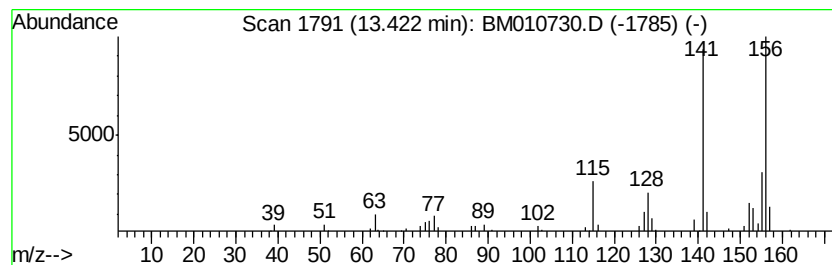
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	3.42 ng/ul	171982	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, 1,3-dimethyl-	156	C12H12	000575-41-7	95
3			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
4			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010730.D
Acq On : 24 Jun 2017 15:15
Operator : SJ/JU
Sample : I3625-16 25X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C83

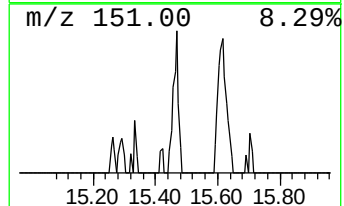
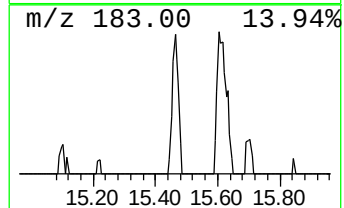
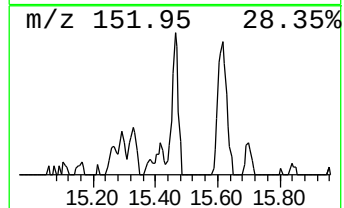
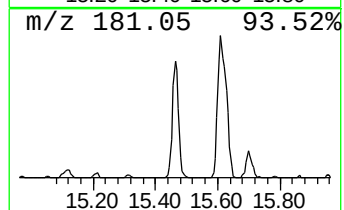
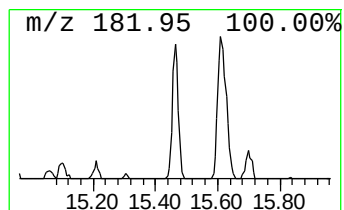
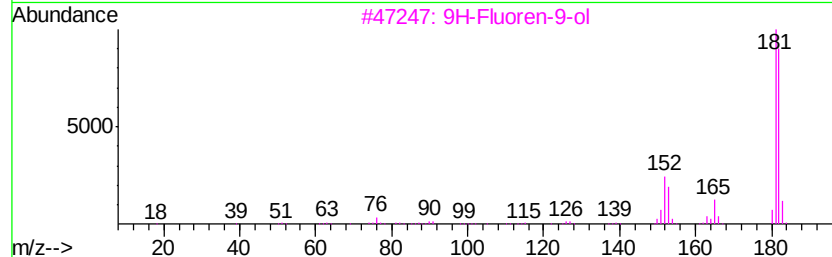
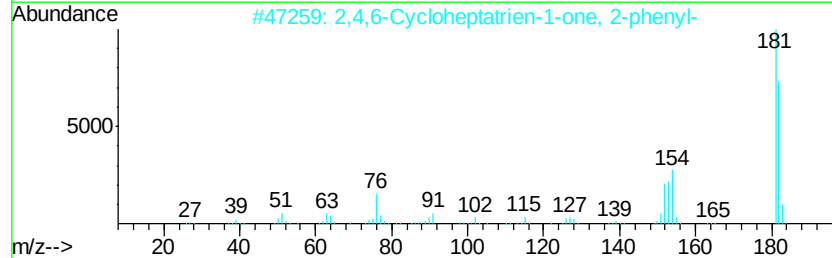
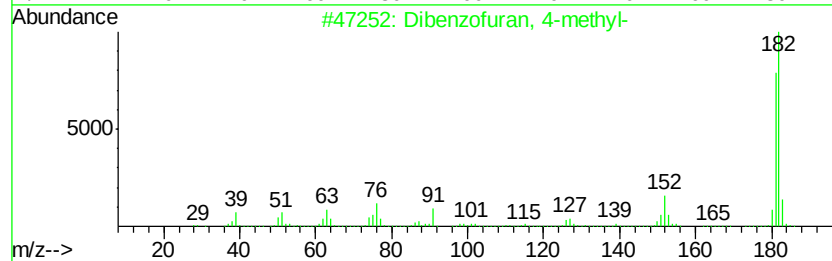
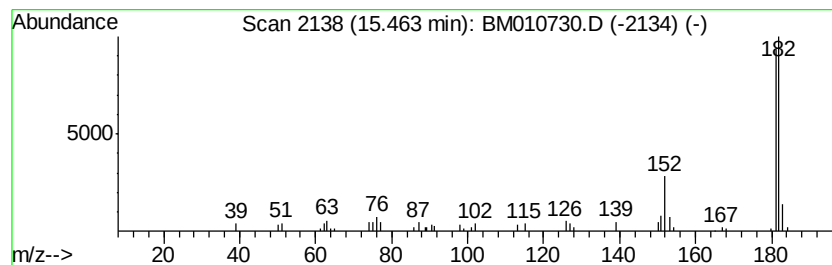
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.46	2.46 ng/ul	123384	Acenaphthene-d10	14.11

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91	
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90	
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86	
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72	
5	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	64	



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010730.D
Acq On : 24 Jun 2017 15:15
Operator : SJ/JU
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Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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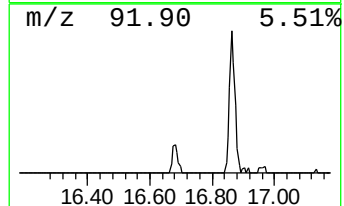
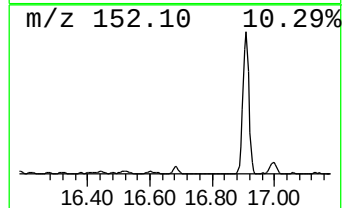
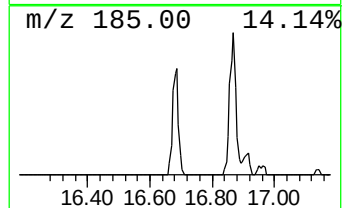
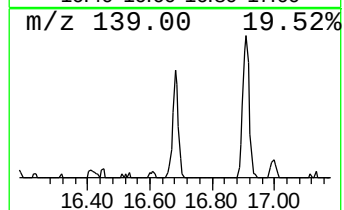
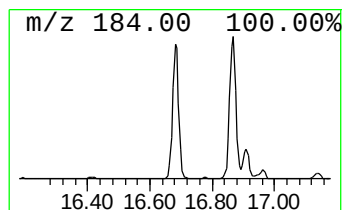
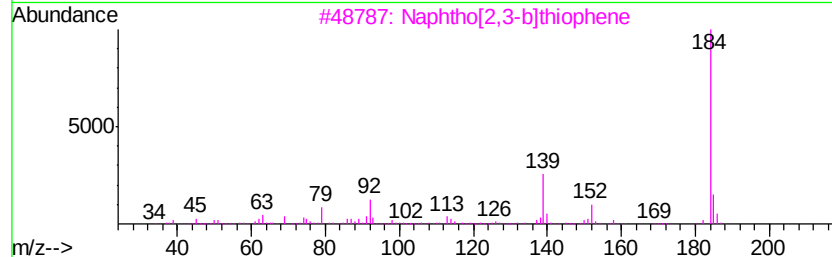
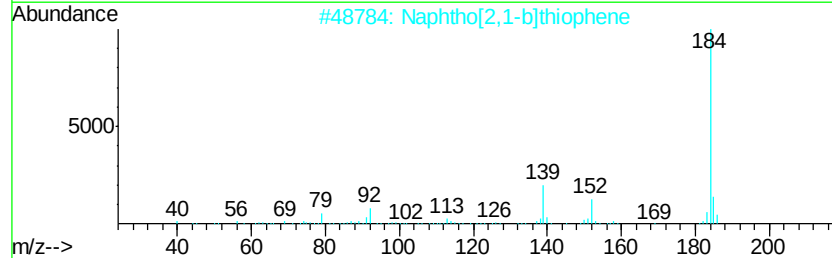
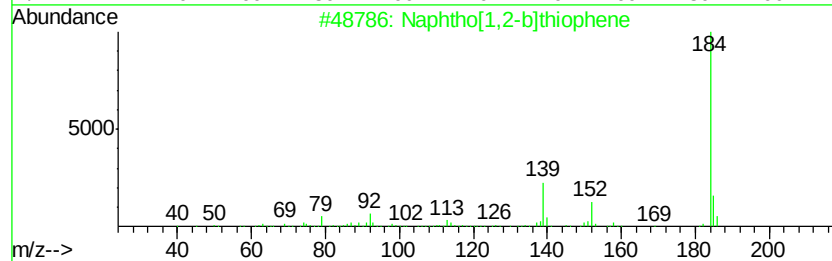
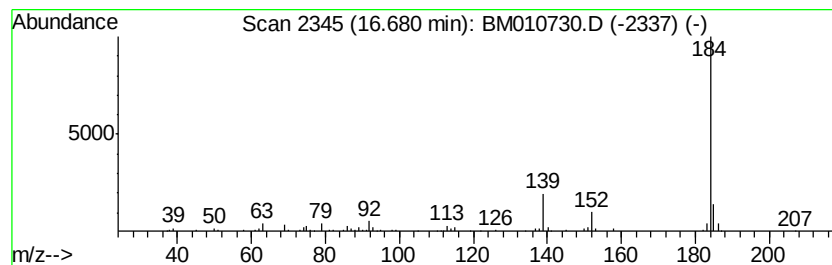
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Naphtho[1,2-b]thiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.68	2.54 ng/ul	159265	Phenanthrene-d10	16.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	96
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4		Dibenzothiophene	184	C12H8S	000132-65-0	90
5		Dibenzothiophene	184	C12H8S	000132-65-0	87



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010730.D
Acq On : 24 Jun 2017 15:15
Operator : SJ/JU
Sample : I3625-16 25X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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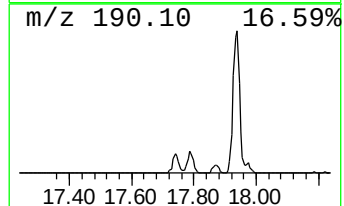
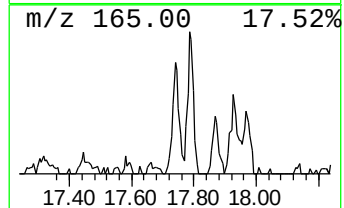
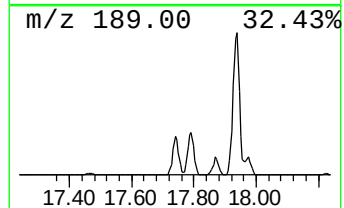
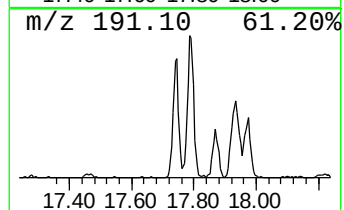
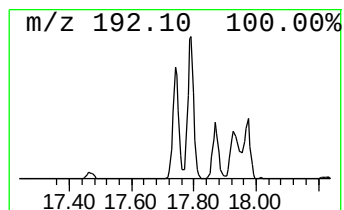
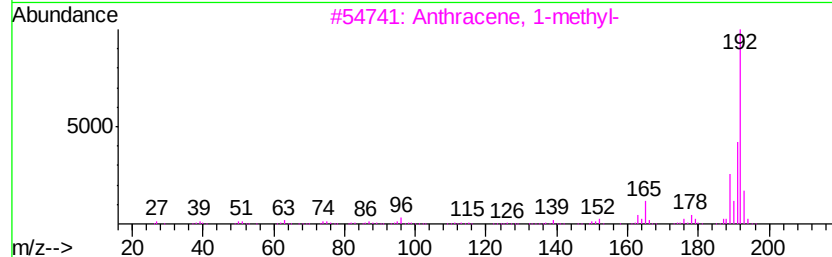
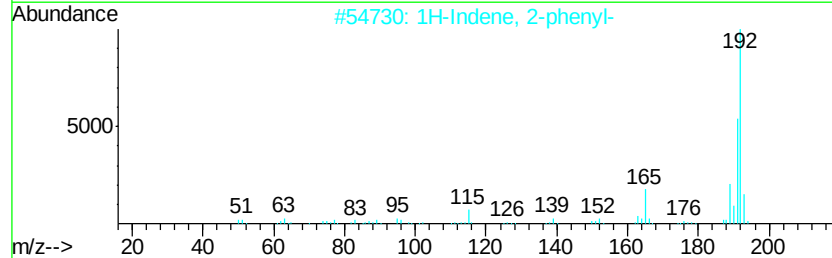
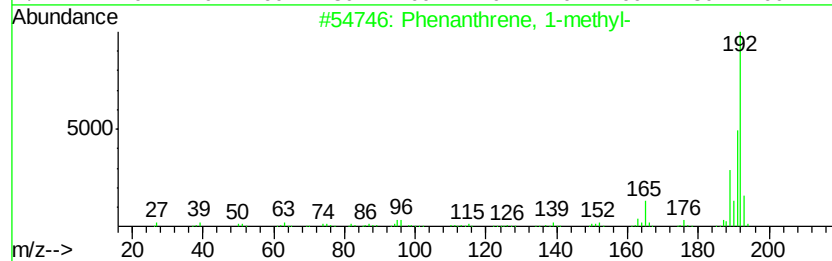
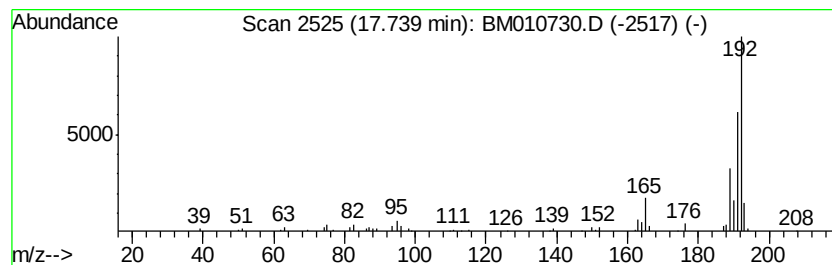
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.74	3.14 ng/ul	196950	Phenanthrene-d10	16.86

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010730.D
Acq On : 24 Jun 2017 15:15
Operator : SJ/JU
Sample : I3625-16 25X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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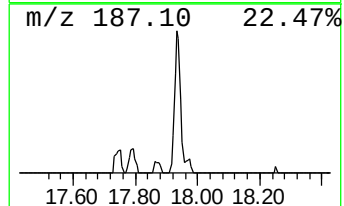
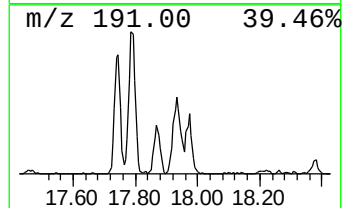
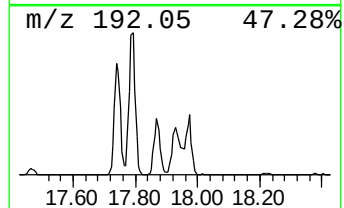
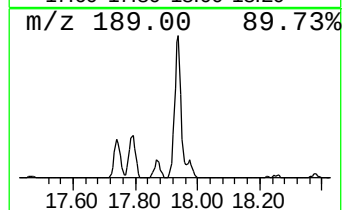
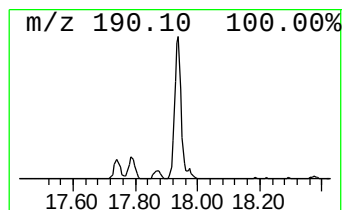
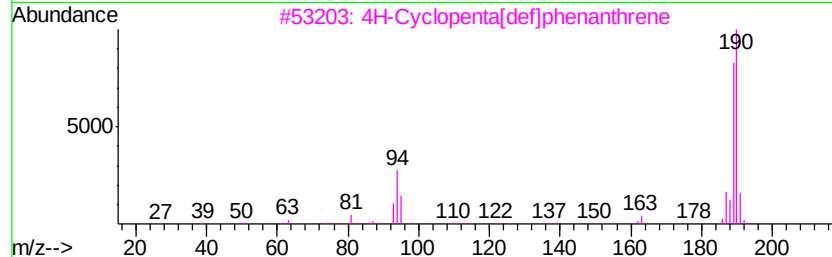
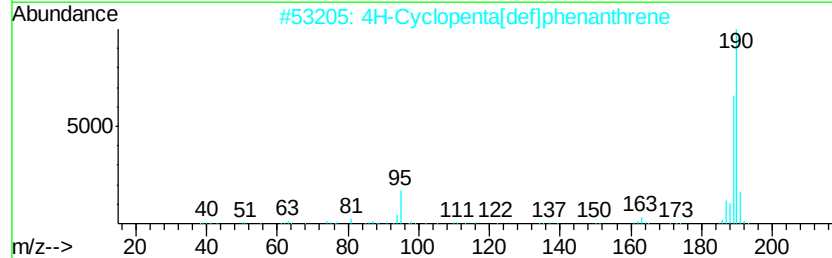
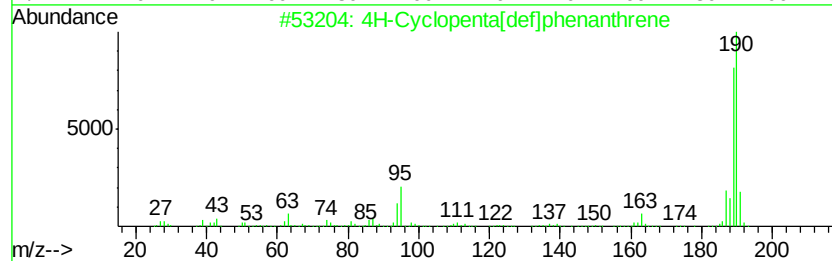
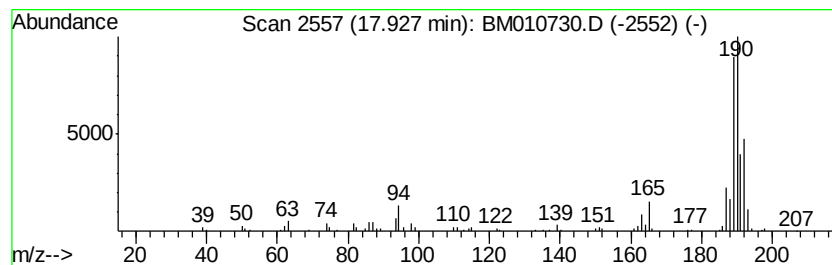
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	5.47 ng/ul	342411	Phenanthrene-d10	16.86

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
3			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4			6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
5			2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010730.D
Acq On : 24 Jun 2017 15:15
Operator : SJ/JU
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Misc :
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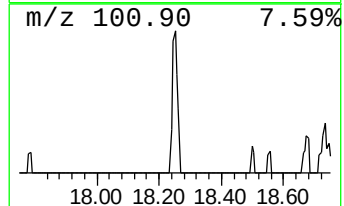
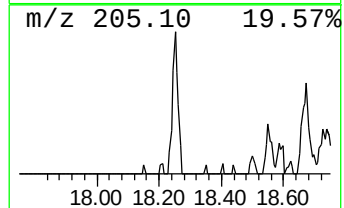
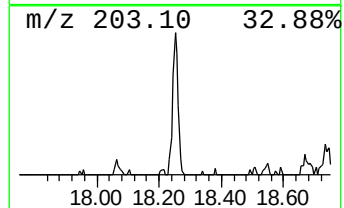
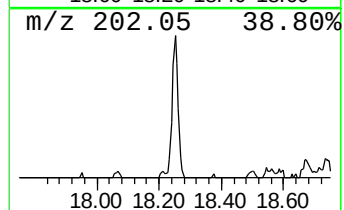
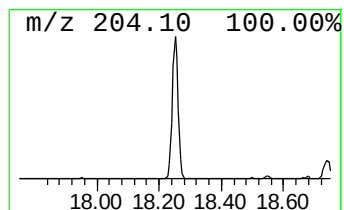
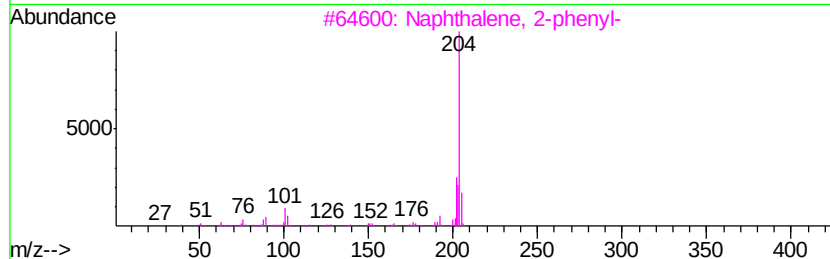
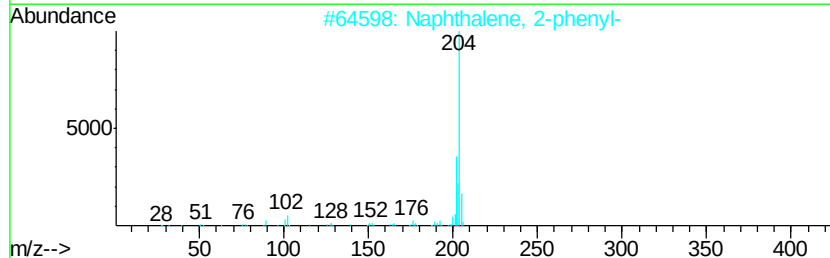
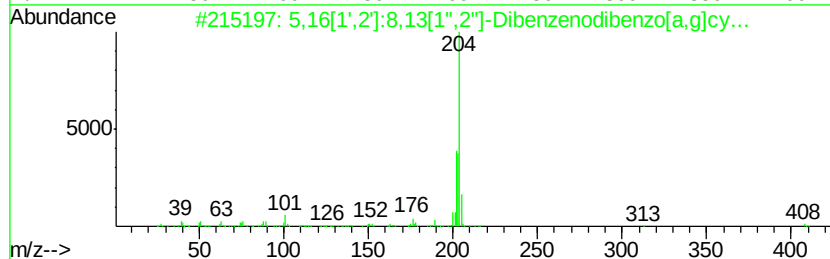
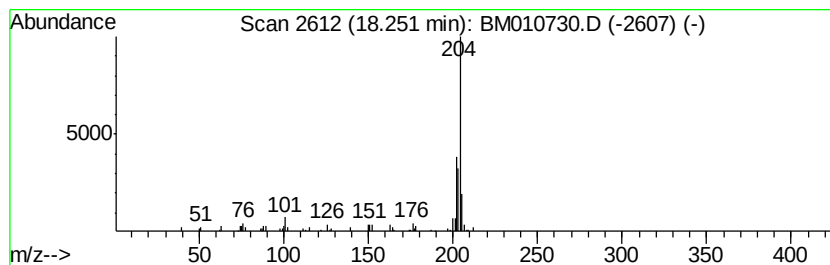
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	2.18 ng/ul	136512	Phenanthrene-d10	16.86

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
3			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010730.D
Acq On : 24 Jun 2017 15:15
Operator : SJ/JU
Sample : I3625-16 25X
Misc :
ALS Vial : 45 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
Cyclohexanemethan...	11.97	3.1	ng/ul	95687	2	10.22	607843	20.0
Naphthalene, 1-me...	12.12	12.7	ng/ul	385180	2	10.22	607843	20.0
Naphthalene, 1,6-...	13.27	2.1	ng/ul	104946	3	14.11	1004590	20.0
Naphthalene, 1,3-...	13.42	3.4	ng/ul	171982	3	14.11	1004590	20.0
Dibenzofuran, 4-m...	15.46	2.5	ng/ul	123384	3	14.11	1004590	20.0
Naphtho[1,2-b]thi...	16.68	2.5	ng/ul	159265	4	16.86	1252790	20.0
Phenanthrene, 1-m...	17.74	3.1	ng/ul	196950	4	16.86	1252790	20.0
4H-Cyclopenta[def...	17.93	5.5	ng/ul	342411	4	16.86	1252790	20.0
5,16[1',2']:8,13[...	18.25	2.2	ng/ul	136512	4	16.86	1252790	20.0