

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042518\
 Data File : BM014844.D
 Acq On : 25 Apr 2018 21:23
 Operator : SJ/JU
 Sample : J2431-13DL2 20X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DASP4DL2

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-BM041918.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	7.110	642	650	656	rVB2	41420	106051	1.05%	0.127%
2	7.622	730	737	750	rVB2	129308	260713	2.59%	0.312%
3	7.804	762	768	774	rVB2	81442	135117	1.34%	0.161%
4	8.022	799	805	813	rVB2	87028	176897	1.76%	0.211%
5	8.451	873	878	881	rVV	128719	193999	1.92%	0.232%
6	8.504	881	887	893	rVB	1134360	1852498	18.38%	2.214%
7	9.010	967	973	978	rBV3	49391	103638	1.03%	0.124%
8	9.069	979	983	991	rVB3	60260	112067	1.11%	0.134%
9	9.198	999	1005	1011	rVB	87764	147174	1.46%	0.176%
10	9.681	1081	1087	1090	rVV	72041	132251	1.31%	0.158%
11	9.716	1090	1093	1099	rVB	127182	204589	2.03%	0.245%
12	9.975	1126	1137	1145	rVB4	40962	111153	1.10%	0.133%
13	10.410	1199	1211	1215	rBV5	89999	217088	2.15%	0.259%
14	10.951	1298	1303	1310	rVB	94884	161386	1.60%	0.193%
15	11.345	1363	1370	1377	rBV	1611518	2719146	26.98%	3.250%
16	11.469	1384	1391	1397	rVB2	122072	222279	2.21%	0.266%
17	14.274	1863	1868	1869	rBV	84902	113776	1.13%	0.136%
18	14.433	1889	1895	1900	rBV2	110143	193762	1.92%	0.232%
19	14.492	1900	1905	1909	rVV2	200024	309143	3.07%	0.369%
20	14.545	1909	1914	1920	rVB4	59971	111975	1.11%	0.134%
21	14.804	1952	1958	1968	rBV2	171845	385745	3.83%	0.461%
22	15.063	1993	2002	2004	rBV	90053	138478	1.37%	0.166%
23	15.110	2004	2010	2016	rVV2	2122785	3405764	33.79%	4.070%
24	15.169	2016	2020	2026	rVB2	328071	494270	4.90%	0.591%
25	15.298	2038	2042	2052	rVB2	65793	152393	1.51%	0.182%
26	15.410	2052	2061	2065	rBV2	60595	135134	1.34%	0.162%
27	15.498	2069	2076	2081	rVB2	331903	569123	5.65%	0.680%
28	15.563	2081	2087	2096	rBV2	121116	175639	1.74%	0.210%
29	15.704	2105	2111	2116	rBV	69990	123811	1.23%	0.148%
30	15.757	2116	2120	2126	rVV	75279	102569	1.02%	0.123%
31	15.874	2132	2140	2142	rBV3	58024	125776	1.25%	0.150%
32	15.904	2142	2145	2150	rVB3	77572	114991	1.14%	0.137%
33	16.080	2171	2175	2179	rBV	224307	308761	3.06%	0.369%
34	16.139	2179	2185	2190	rVB	765870	1112953	11.04%	1.330%

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35	16.298	2208	2212	2217	rVB2	269437	388406	3.85%	0.464%
36	16.386	2223	2227	2230	rBV	119446	189219	1.88%	0.226%
37	16.421	2230	2233	2239	rVB	366665	519061	5.15%	0.620%
38	16.568	2252	2258	2266	rBV	379920	719812	7.14%	0.860%
39	16.768	2284	2292	2304	rBV3	72975	205220	2.04%	0.245%
40	16.921	2314	2318	2323	rVB2	72520	108269	1.07%	0.129%
41	17.127	2341	2353	2357	rBV2	289273	567001	5.63%	0.678%
42	17.174	2357	2361	2367	rVB2	89645	137527	1.36%	0.164%
43	17.274	2372	2378	2383	rVB3	105773	202165	2.01%	0.242%
44	17.345	2383	2390	2393	rBV3	120758	253919	2.52%	0.303%
45	17.386	2393	2397	2401	rVB3	93916	117340	1.16%	0.140%
46	17.468	2408	2411	2418	rVB5	60083	109979	1.09%	0.131%
47	17.539	2418	2423	2428	rBV2	134858	259243	2.57%	0.310%
48	17.645	2435	2441	2447	rVB	471823	714989	7.09%	0.855%
49	17.821	2465	2471	2474	rBV	2775774	4030625	39.99%	4.817%
50	17.862	2474	2478	2484	rVV	7066065	10078649	100.00%	12.045%
51	17.915	2484	2487	2489	rVV	232829	318323	3.16%	0.380%
52	17.951	2489	2493	2500	rVB	1312014	1840916	18.27%	2.200%
53	18.327	2552	2557	2561	rBV	146553	199337	1.98%	0.238%
54	18.392	2564	2568	2578	rVB3	84752	156153	1.55%	0.187%
55	18.527	2587	2591	2600	rVB	67822	134832	1.34%	0.161%
56	18.680	2612	2617	2621	rVV	642145	831463	8.25%	0.994%
57	18.727	2621	2625	2630	rVB	823312	1101088	10.92%	1.316%
58	18.804	2633	2638	2643	rBV	259178	361268	3.58%	0.432%
59	18.874	2643	2650	2654	rBV	1296999	2238725	22.21%	2.676%
60	19.157	2693	2698	2703	rBV	568557	752320	7.46%	0.899%
61	19.398	2735	2739	2743	rVB2	106138	133695	1.33%	0.160%
62	19.445	2743	2747	2750	rBV	88852	118491	1.18%	0.142%
63	19.562	2762	2767	2771	rBV	166106	281300	2.79%	0.336%
64	19.633	2776	2779	2786	rVB3	116449	229927	2.28%	0.275%
65	19.698	2786	2790	2793	rBV3	70848	111268	1.10%	0.133%
66	19.827	2806	2812	2818	rBV	7145143	9735920	96.60%	11.636%
67	20.068	2848	2853	2861	rBV	185265	301038	2.99%	0.360%
68	20.151	2861	2867	2869	rBV2	1276371	2011466	19.96%	2.404%
69	20.186	2869	2873	2880	rVV	4874962	6534704	64.84%	7.810%
70	20.245	2880	2883	2889	rVB2	197523	274690	2.73%	0.328%
71	20.351	2897	2901	2906	rVB	303963	402257	3.99%	0.481%

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72	20.492	2919	2925	2932	rBV3	243967	585816	5.81%	0.700%
73	20.662	2950	2954	2958	rVB	754982	1021871	10.14%	1.221%
74	20.756	2965	2970	2974	rBV	890530	1197873	11.89%	1.432%
75	20.956	3001	3004	3007	rBV	99433	126260	1.25%	0.151%
76	21.345	3067	3070	3074	rBV2	199095	243259	2.41%	0.291%
77	21.556	3102	3106	3109	rBV	280409	430185	4.27%	0.514%
78	21.592	3109	3112	3115	rVV	276898	371876	3.69%	0.444%
79	21.633	3116	3119	3123	rVB2	230845	313581	3.11%	0.375%
80	21.774	3139	3143	3149	rBV	1129305	1468826	14.57%	1.755%
81	21.909	3158	3166	3170	rBV2	4013238	7901785	78.40%	9.444%
82	21.945	3170	3172	3185	rVB	1458069	2118544	21.02%	2.532%
83	22.080	3191	3195	3199	rVB	266030	344940	3.42%	0.412%
84	23.633	3454	3459	3465	rBV	532604	1384973	13.74%	1.655%
85	24.391	3581	3588	3595	rBV	2188013	4561021	45.25%	5.451%

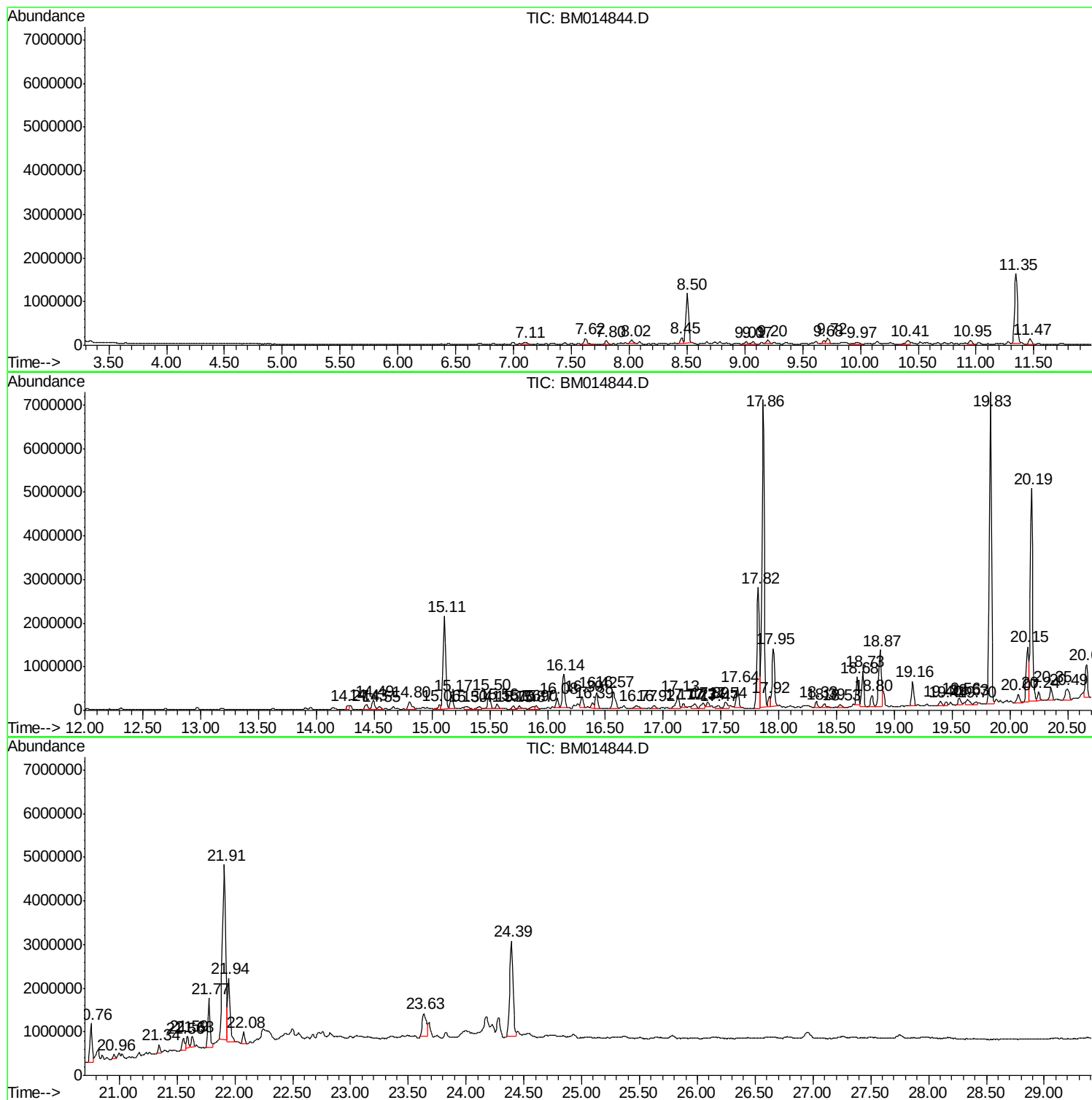
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

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



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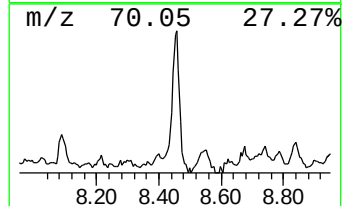
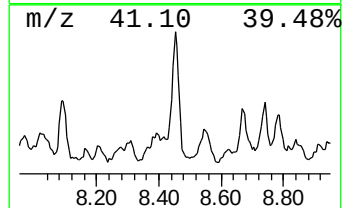
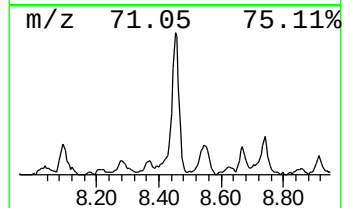
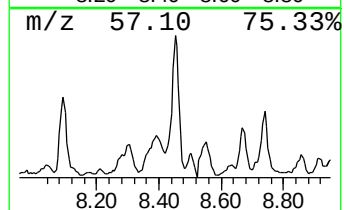
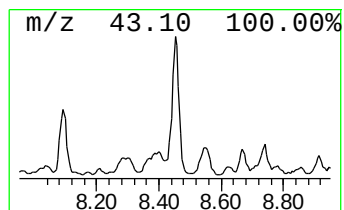
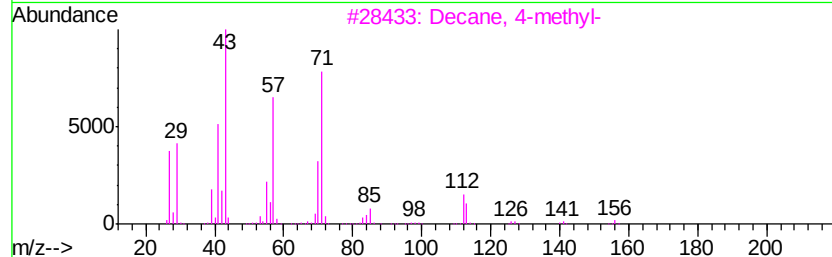
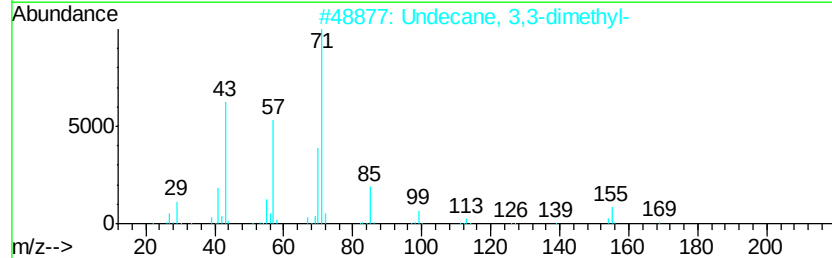
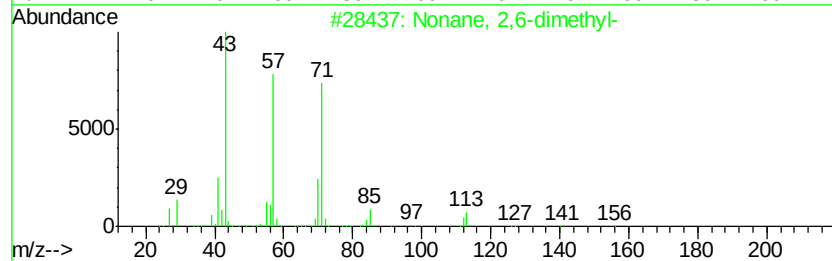
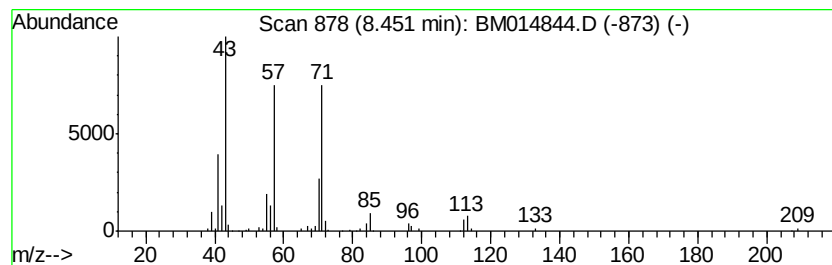
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	2.09 ng/ul	193999	1,4-Dichlorobenzene-d4	8.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	83
2		Undecane, 3,3-dimethyl-	184	C13H28	017312-65-1	72
3		Decane, 4-methyl-	156	C11H24	002847-72-5	72
4		Heptane, 2,5,5-trimethyl-	142	C10H22	001189-99-7	72
5		Undecane, 2,8-dimethyl-	184	C13H28	017301-25-6	72



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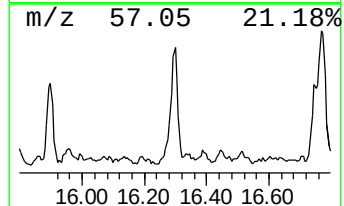
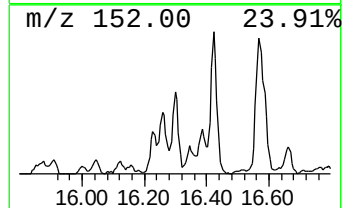
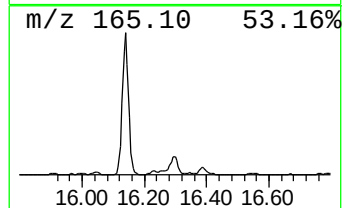
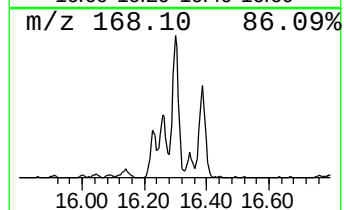
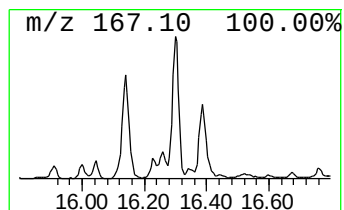
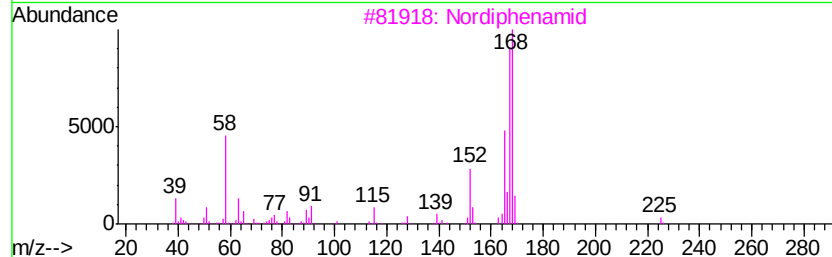
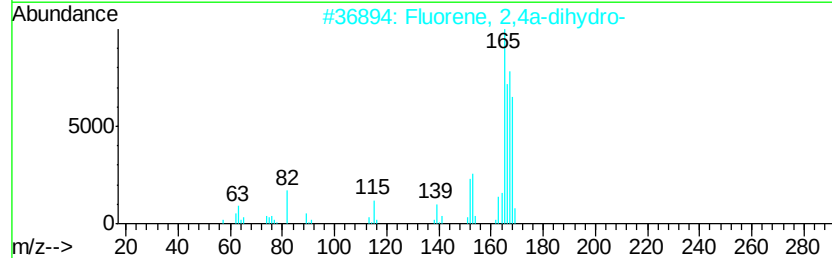
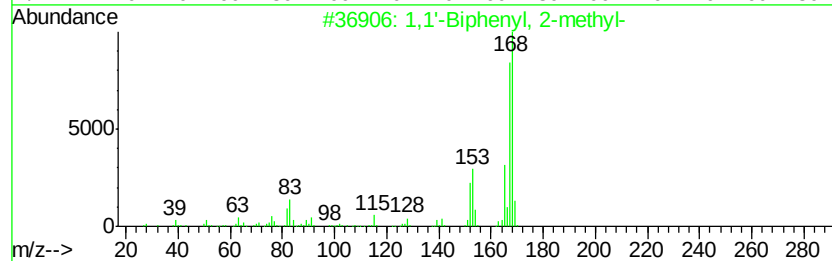
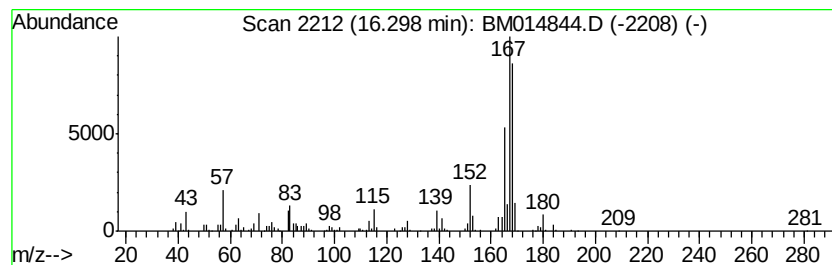
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Quant Title : SVOA CALIBRATION

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

Peak Number 2 1,1'-Biphenyl, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	2.28 ng/ul	388406	Acenaphthene-d10	15.10
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1,1'-Biphenyl, 2-methyl-	168 C13H12	000643-58-3 89
2		Fluorene, 2,4a-dihydro-	168 C13H12	059247-36-8 89
3		Nordiphenamid	225 C15H15NO	000954-21-2 83
4		Diphenylmethane	168 C13H12	000101-81-5 81
5		1,1'-Biphenyl, 2-methyl-	168 C13H12	000643-58-3 81



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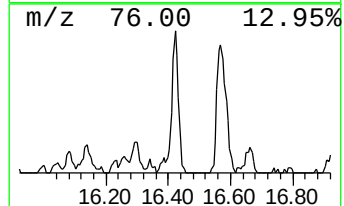
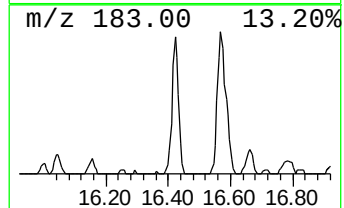
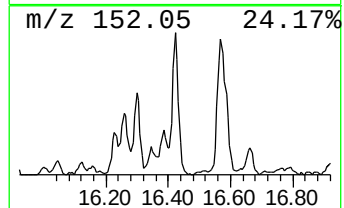
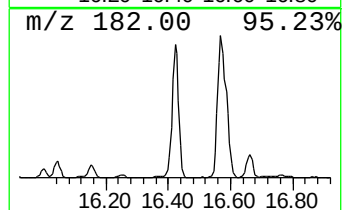
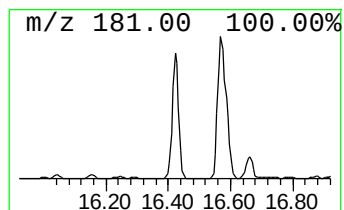
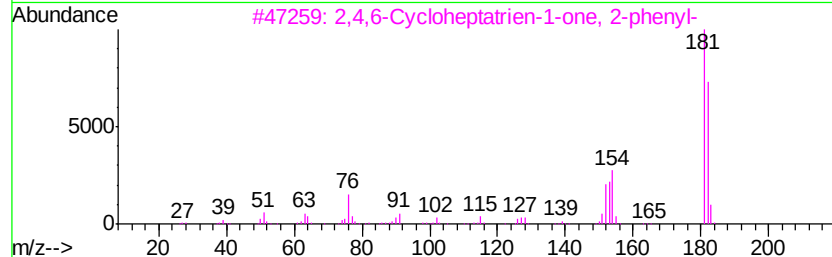
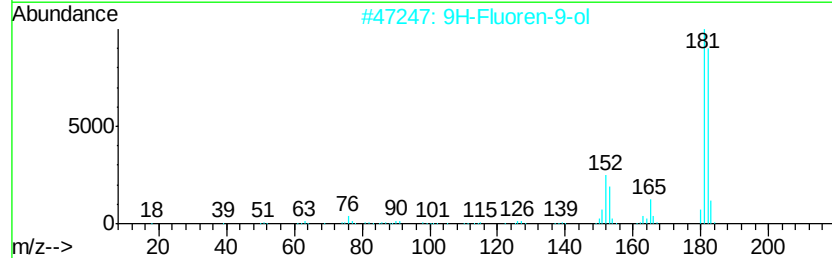
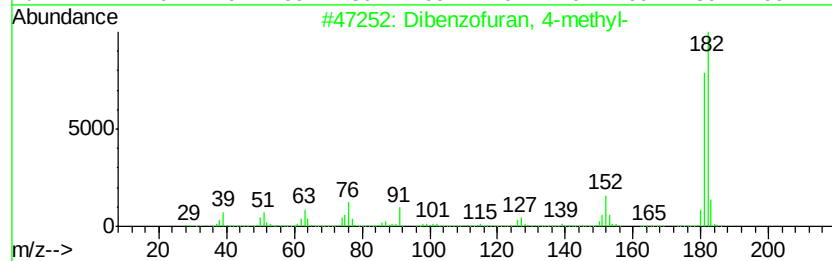
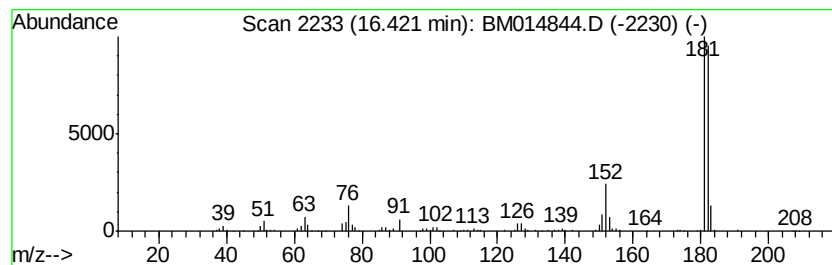
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Quant Title : SVOA CALIBRATION

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

Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	3.05 ng/ul	519061	Acenaphthene-d10	15.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	93
2		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3		2,4,6-Cycloheptatrien-1-one, 2-phenyl-	182	C13H10O	014562-09-5	78
4		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78



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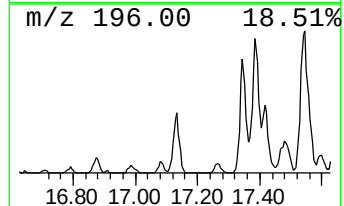
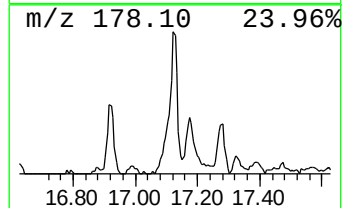
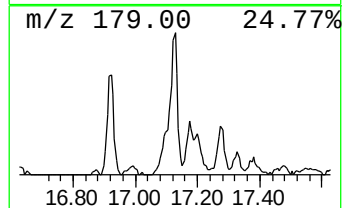
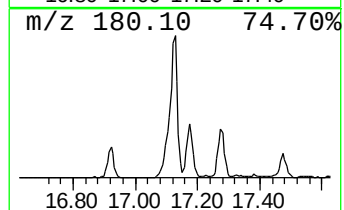
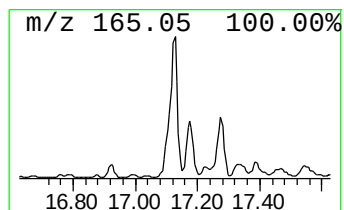
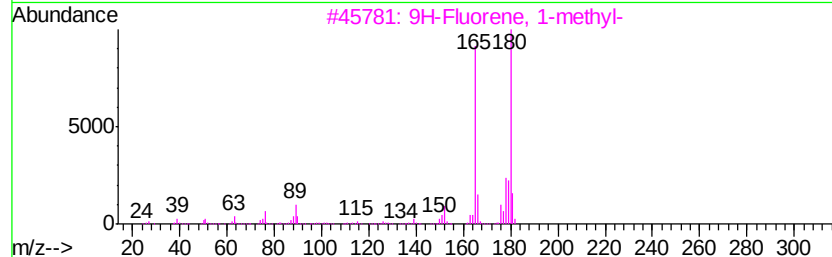
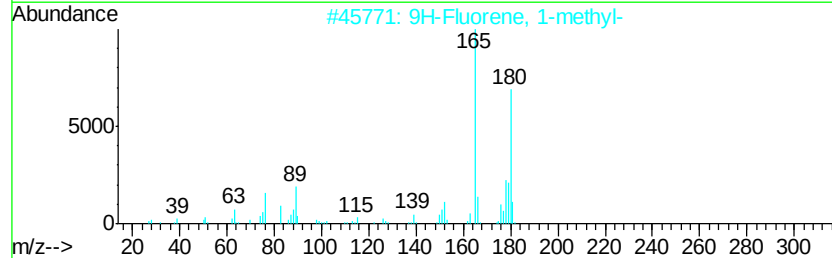
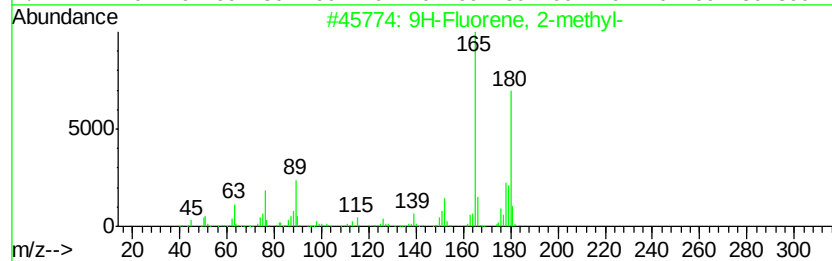
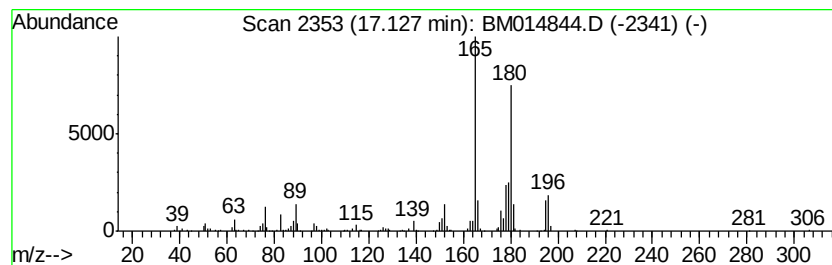
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.13	2.81 ng/ul	567001	Phenanthrene-d10	17.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
3		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
4		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
5		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042518\
Data File : BM014844.D
Acq On : 25 Apr 2018 21:23
Operator : SJ/JU
Sample : J2431-13DL2 20X
Misc :
ALS Vial : 13 Sample Multiplier: 1

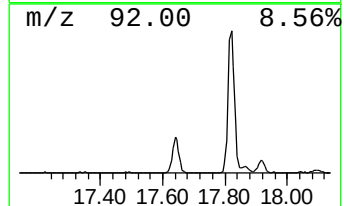
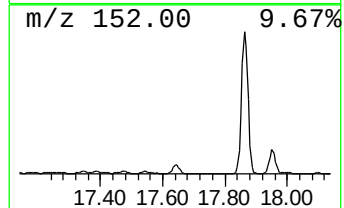
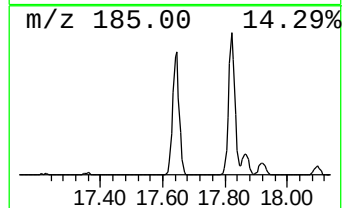
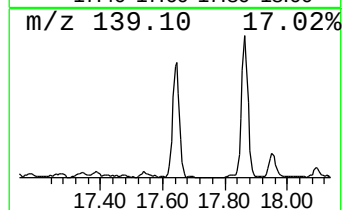
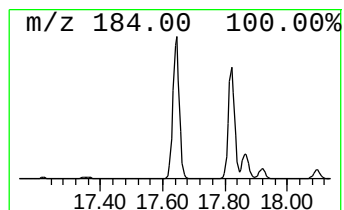
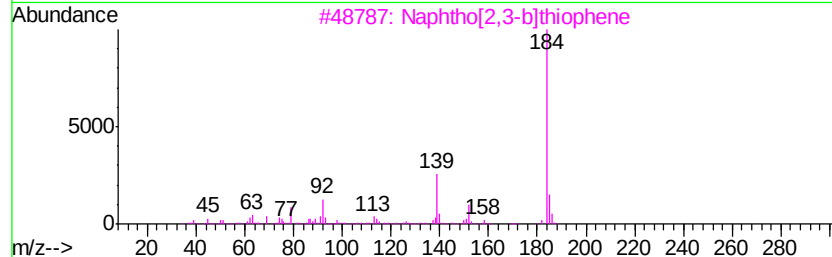
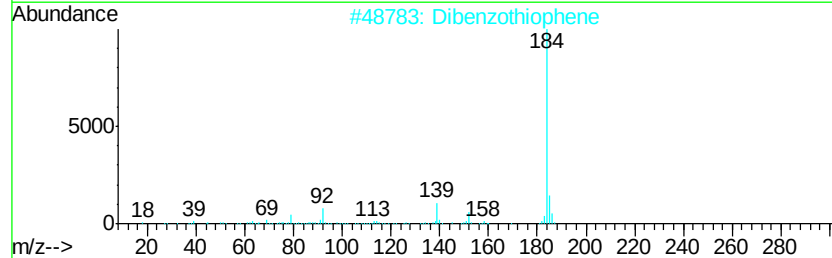
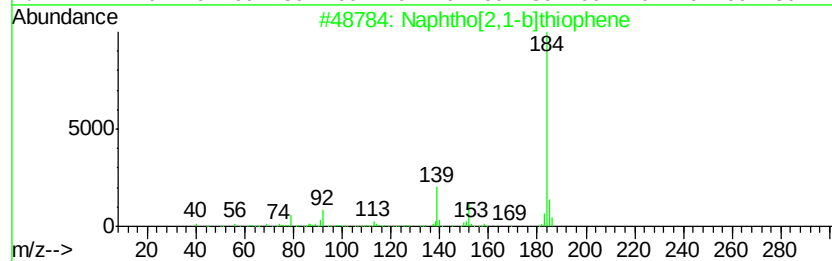
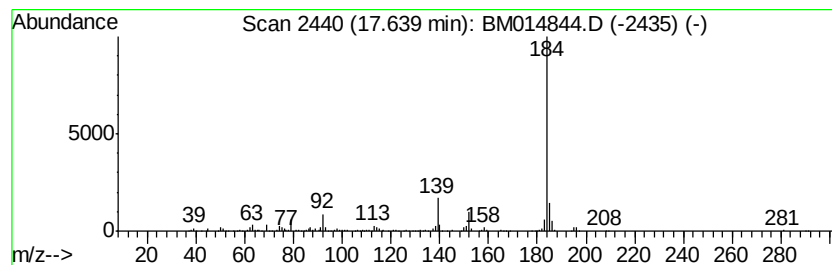
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.64	3.55 ng/ul	714989	Phenanthrene-d10	17.82	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	97
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042518\
Data File : BM014844.D
Acq On : 25 Apr 2018 21:23
Operator : SJ/JU
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Misc :
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ClientSampleId :
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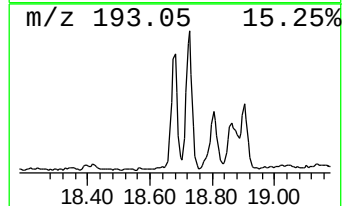
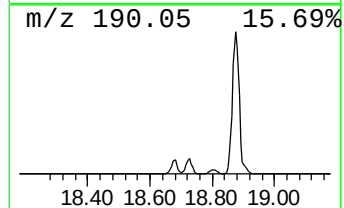
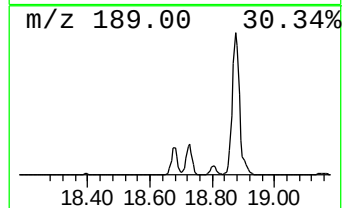
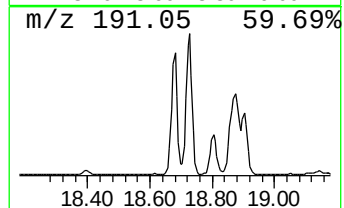
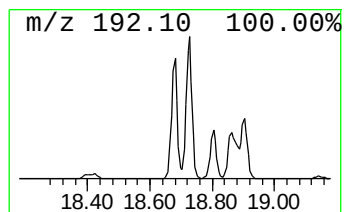
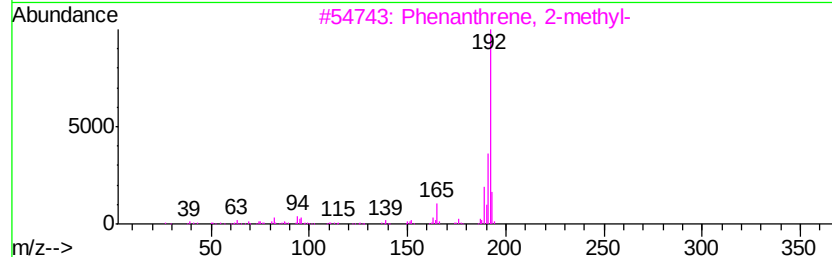
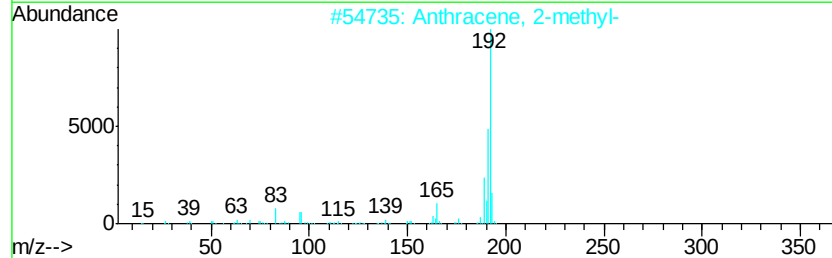
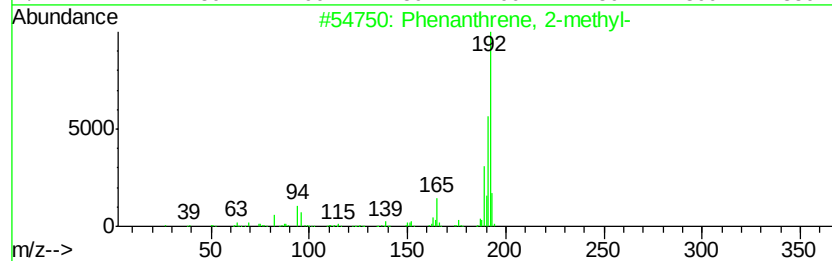
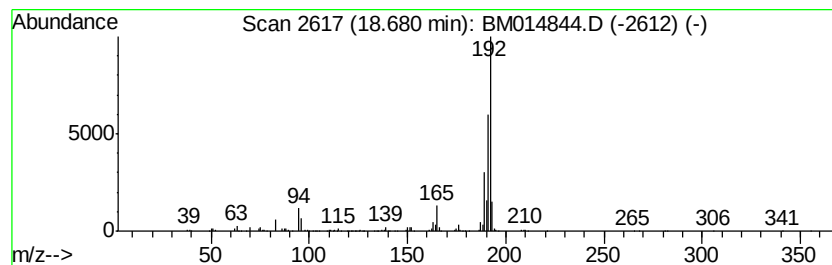
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	4.13 ng/ul	831463	Phenanthrene-d10	17.82

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042518\
Data File : BM014844.D
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Operator : SJ/JU
Sample : J2431-13DL2 20X
Misc :
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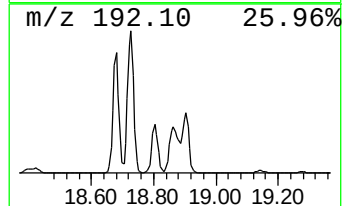
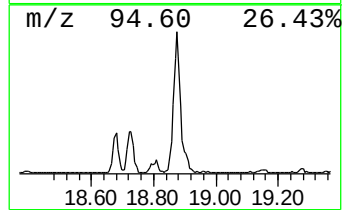
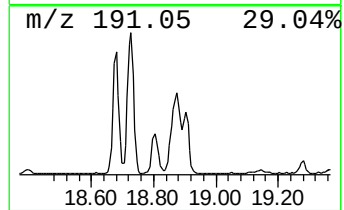
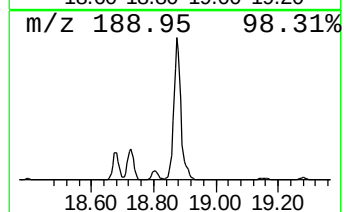
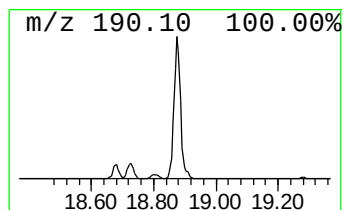
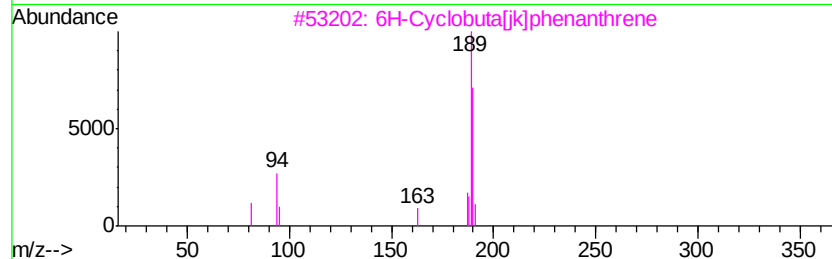
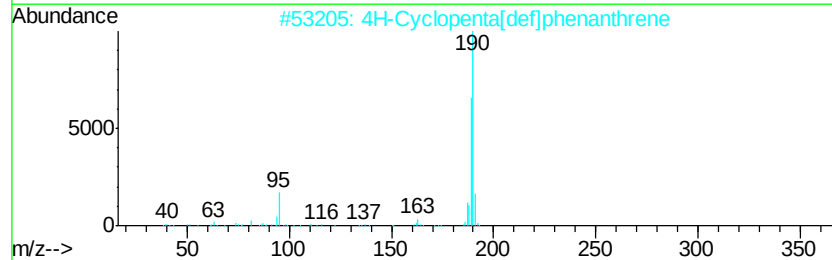
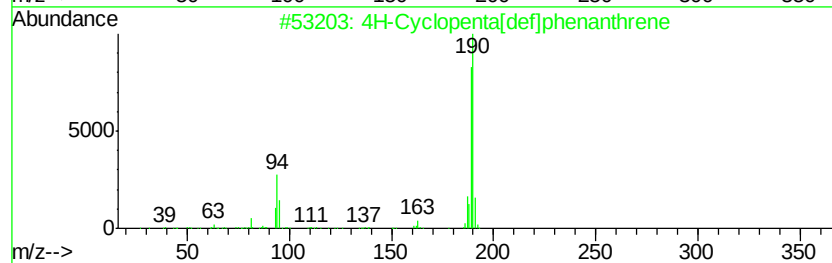
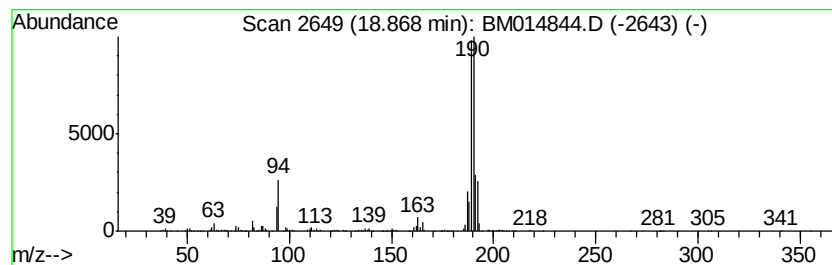
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.87	11.11 ng/ul	2238730	Phenanthrene-d10	17.82	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
3	6H-Cyclobuta[i]k]phenanthrene	190	C15H10	083469-43-6	72
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042518\
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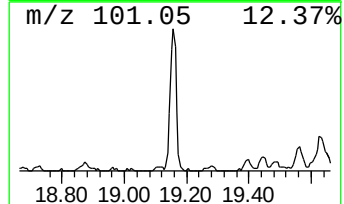
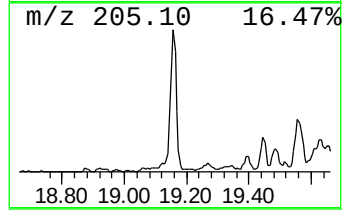
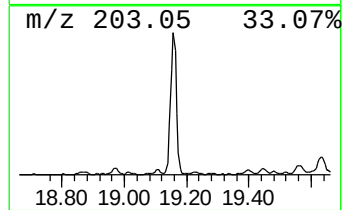
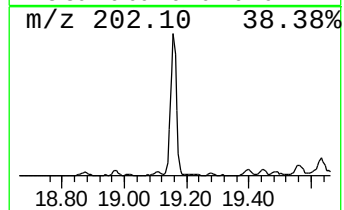
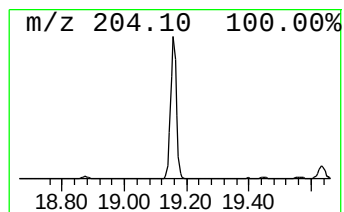
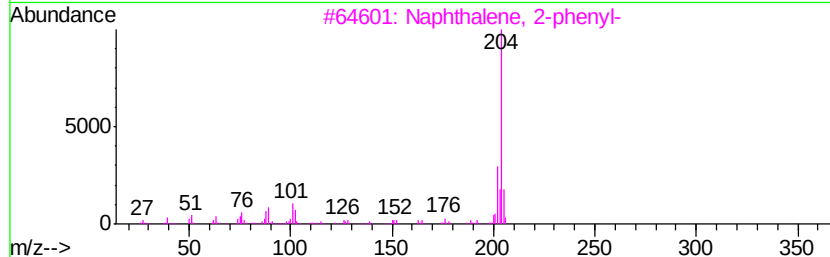
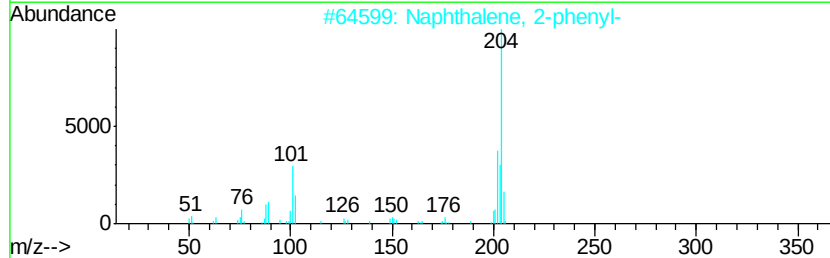
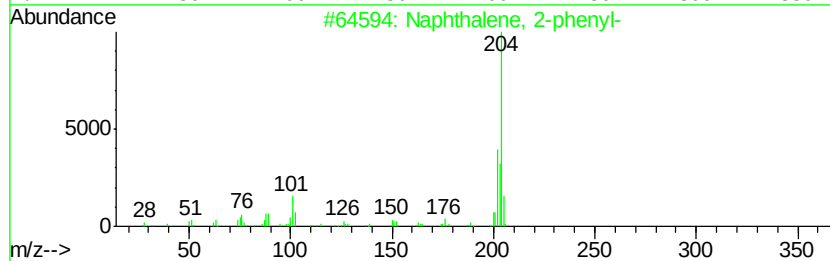
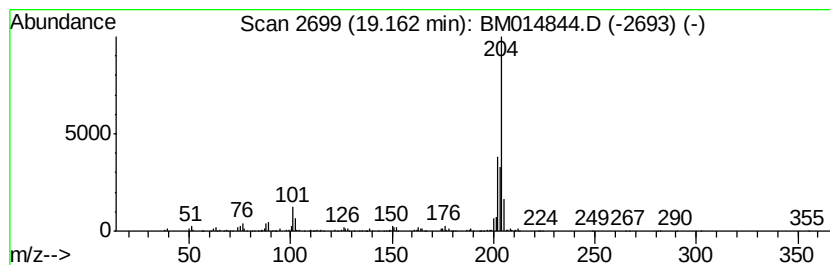
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.16	3.73 ng/ul	752320	Phenanthrene-d10	17.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	87
5		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042518\
Data File : BM014844.D
Acq On : 25 Apr 2018 21:23
Operator : SJ/JU
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Misc :
ALS Vial : 13 Sample Multiplier: 1

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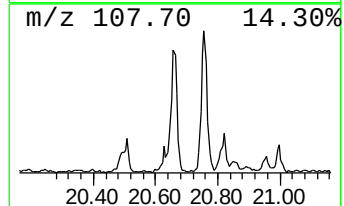
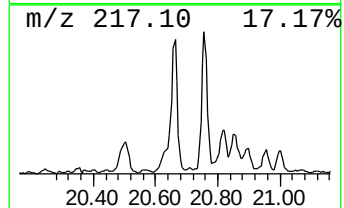
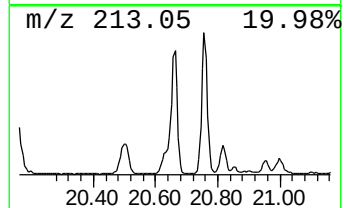
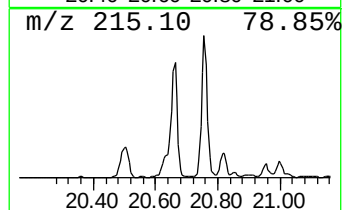
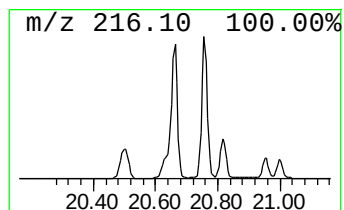
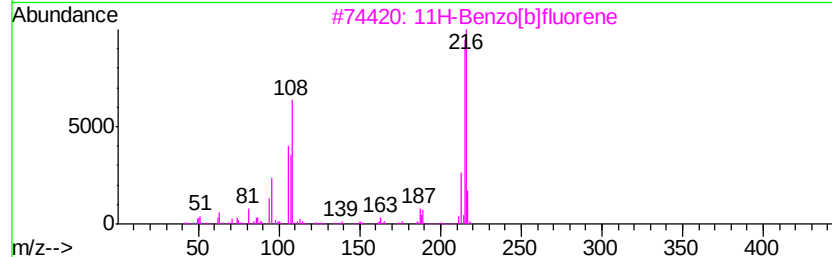
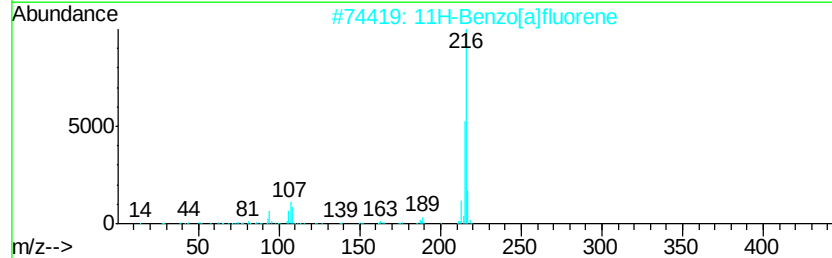
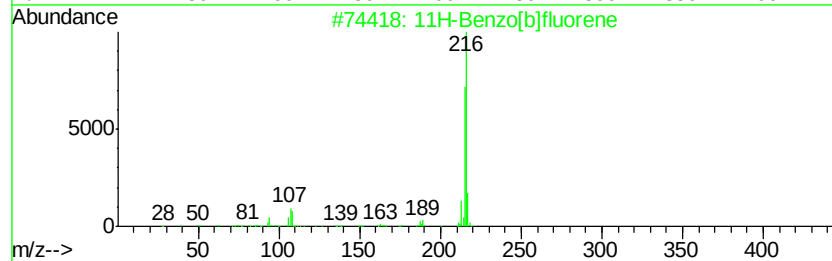
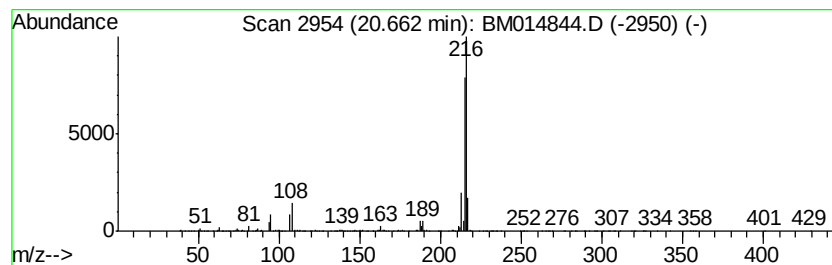
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.66	2.59 ng/ul	1021870	Chrysene-d12	21.91

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
5			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042518\
Data File : BM014844.D
Acq On : 25 Apr 2018 21:23
Operator : SJ/JU
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Misc :
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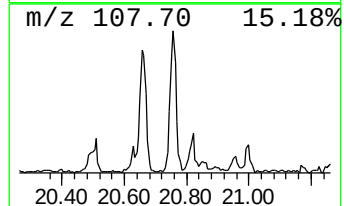
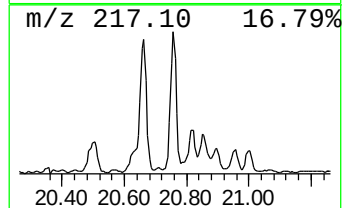
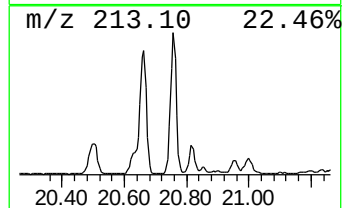
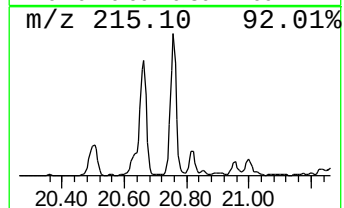
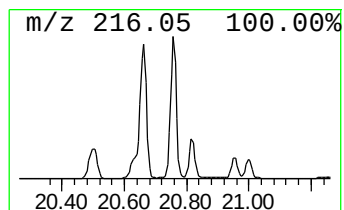
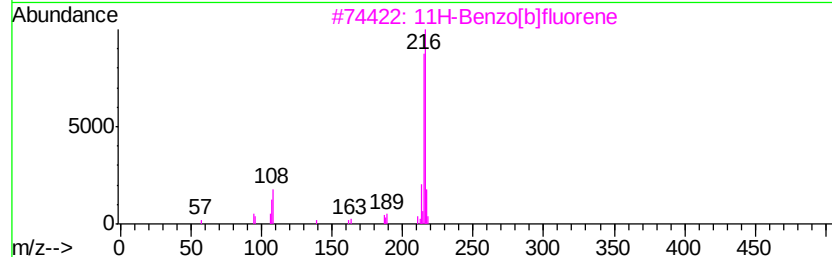
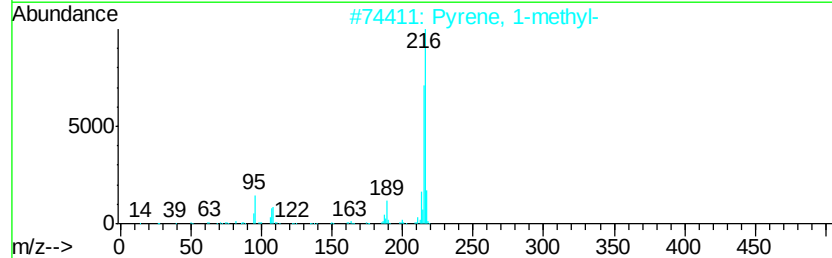
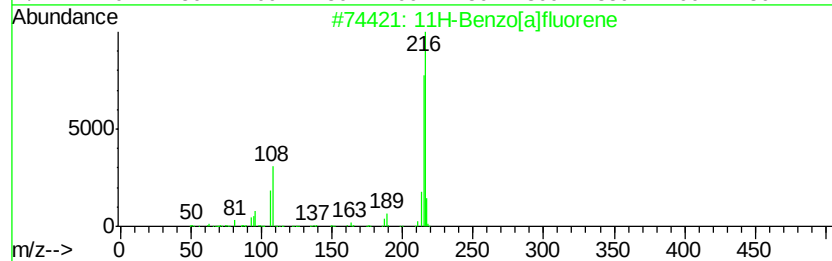
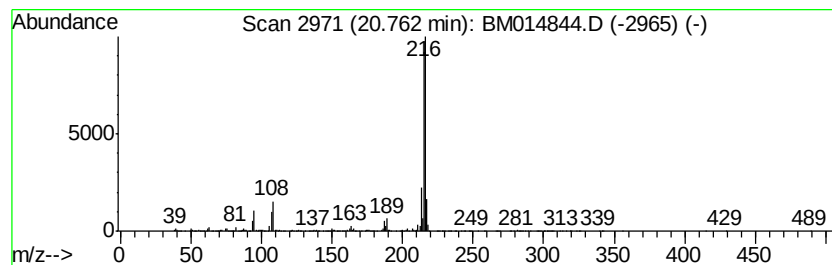
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 11H-Benzo[a]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.76	3.03 ng/ul	1197870	Chrysene-d12	21.91

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042518\
Data File : BM014844.D
Acq On : 25 Apr 2018 21:23
Operator : SJ/JU
Sample : J2431-13DL2 20X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.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
(DEL) Alkane: Str...	8.45	2.1	ng/ul	193999	1	8.50	1852500	20.0
1,1'-Biphenyl, 2-...	16.30	2.3	ng/ul	388406	3	15.10	3405760	20.0
Dibenzofuran, 4-m...	16.42	3.0	ng/ul	519061	3	15.10	3405760	20.0
9H-Fluorene, 2-me...	17.13	2.8	ng/ul	567001	4	17.82	4030630	20.0
Naphtho[2,1-b]thi...	17.64	3.5	ng/ul	714989	4	17.82	4030630	20.0
Phenanthrene, 2-m...	18.68	4.1	ng/ul	831463	4	17.82	4030630	20.0
4H-Cyclopenta[def...	18.87	11.1	ng/ul	2238730	4	17.82	4030630	20.0
Naphthalene, 2-ph...	19.16	3.7	ng/ul	752320	4	17.82	4030630	20.0
11H-Benzo[b]fluorene	20.66	2.6	ng/ul	1021870	5	21.91	7901790	20.0
11H-Benzo[a]fluorene	20.76	3.0	ng/ul	1197870	5	21.91	7901790	20.0