

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031318\
 Data File : BM014560.D
 Acq On : 14 Mar 2018 01:29
 Operator : SJ/JU
 Sample : J1813-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6F21

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-BM021418.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	3.557	108	114	119	rBV2	42808	66989	2.28%	0.123%
2	4.634	294	297	300	rBV2	25238	32933	1.12%	0.060%
3	6.704	642	649	665	rBV	543419	1138868	38.81%	2.089%
4	6.834	665	671	682	rVB	463924	724925	24.70%	1.329%
5	7.028	697	704	712	rBV	743639	1211825	41.29%	2.222%
6	7.475	774	780	789	rBV	583687	982359	33.47%	1.802%
7	8.222	901	907	923	rBV	714960	1381914	47.09%	2.534%
8	8.645	971	979	989	rBV	729375	1234124	42.05%	2.263%
9	8.998	1034	1039	1045	rVB2	23131	34471	1.17%	0.063%
10	9.357	1094	1100	1116	rVB	635157	1151364	39.23%	2.112%
11	9.916	1188	1195	1216	rBV	715616	1650528	56.24%	3.027%
12	10.251	1241	1252	1256	rBV	798282	1338676	45.62%	2.455%
13	10.298	1256	1260	1268	rVB2	190472	343712	11.71%	0.630%
14	10.428	1273	1282	1297	rBV	279575	695032	23.68%	1.275%
15	11.927	1531	1537	1548	rBV	88466	158904	5.41%	0.291%
16	12.151	1568	1575	1584	rBV3	61047	110614	3.77%	0.203%
17	12.951	1705	1711	1720	rBV7	37365	93197	3.18%	0.171%
18	13.163	1743	1747	1751	rBV4	33217	57013	1.94%	0.105%
19	13.321	1765	1774	1779	rBV10	26169	71659	2.44%	0.131%
20	13.374	1779	1783	1789	rBV9	28978	48823	1.66%	0.090%
21	13.463	1792	1798	1803	rBV4	44043	82764	2.82%	0.152%
22	13.516	1803	1807	1810	rBV4	28123	41193	1.40%	0.076%
23	13.569	1810	1816	1821	rVV	1604800	2150016	73.26%	3.943%
24	13.616	1821	1824	1829	rVB	236993	307818	10.49%	0.565%
25	13.839	1854	1862	1873	rBV	1602574	2488218	84.79%	4.563%
26	14.039	1890	1896	1900	rBV	91981	125434	4.27%	0.230%
27	14.145	1903	1914	1920	rVV2	982669	1545509	52.66%	2.834%
28	14.210	1920	1925	1935	rVB	403844	589939	20.10%	1.082%
29	14.463	1961	1968	1979	rBV3	311273	817344	27.85%	1.499%
30	14.557	1979	1984	1989	rVV	142254	258279	8.80%	0.474%
31	14.598	1989	1991	1995	rVB4	36582	50238	1.71%	0.092%
32	14.663	2000	2002	2008	rVB6	33550	44396	1.51%	0.081%
33	14.998	2055	2059	2065	rVB3	100309	132452	4.51%	0.243%
34	15.151	2079	2085	2091	rVV	1857077	2600556	88.62%	4.769%

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35	15.210	2091	2095	2104	rVB	255118	396926	13.53%	0.728%
36	15.304	2107	2111	2113	rVV4	36340	58034	1.98%	0.106%
37	15.339	2113	2117	2127	rVV6	186011	462829	15.77%	0.849%
38	15.410	2127	2129	2134	rVV6	57399	97643	3.33%	0.179%
39	15.457	2134	2137	2141	rVV3	48569	78213	2.67%	0.143%
40	15.504	2141	2145	2151	rVB2	54319	97157	3.31%	0.178%
41	15.663	2167	2172	2177	rVB4	46195	88172	3.00%	0.162%
42	15.739	2183	2185	2191	rVB6	26347	35460	1.21%	0.065%
43	15.868	2201	2207	2210	rBV6	69562	131886	4.49%	0.242%
44	16.215	2260	2266	2272	rBV6	46586	100589	3.43%	0.184%
45	16.268	2272	2275	2280	rVB5	38815	47933	1.63%	0.088%
46	16.492	2310	2313	2319	rVB8	34485	48918	1.67%	0.090%
47	16.586	2324	2329	2335	rVB2	101234	149488	5.09%	0.274%
48	16.686	2335	2346	2349	rBV7	87315	237354	8.09%	0.435%
49	16.727	2349	2353	2359	rVB	167024	247047	8.42%	0.453%
50	16.827	2367	2370	2375	rVB7	39996	57025	1.94%	0.105%
51	16.915	2379	2385	2388	rVV	995558	1433009	48.83%	2.628%
52	16.957	2388	2392	2397	rVV	1929936	2658488	90.59%	4.875%
53	17.015	2397	2402	2405	rVV	1720945	2394885	81.61%	4.392%
54	17.051	2405	2408	2413	rVB	456534	610176	20.79%	1.119%
55	17.121	2413	2420	2427	rBV	80890	160489	5.47%	0.294%
56	17.339	2448	2457	2463	rBV	263199	501717	17.10%	0.920%
57	17.492	2480	2483	2486	rBV3	57189	73735	2.51%	0.135%
58	17.627	2503	2506	2509	rBV4	57380	95965	3.27%	0.176%
59	17.698	2516	2518	2523	rBV6	35427	57628	1.96%	0.106%
60	17.762	2525	2529	2531	rVV3	173509	246074	8.39%	0.451%
61	17.792	2531	2534	2536	rVV	218843	307475	10.48%	0.564%
62	17.827	2536	2540	2549	rVV2	483839	1051089	35.82%	1.928%
63	17.927	2553	2557	2561	rVV	108065	166045	5.66%	0.305%
64	17.986	2562	2567	2571	rVV3	307861	529854	18.06%	0.972%
65	18.021	2571	2573	2578	rVB	130864	165358	5.63%	0.303%
66	18.115	2583	2589	2593	rBV8	61289	151758	5.17%	0.278%
67	18.298	2616	2620	2625	rBV	139987	225540	7.69%	0.414%
68	18.362	2627	2631	2638	rVB5	149020	214964	7.33%	0.394%
69	18.721	2688	2692	2695	rBV2	115382	158794	5.41%	0.291%
70	18.992	2732	2738	2746	rVB	2248849	2934605	100.00%	5.382%
71	19.115	2756	2759	2765	rVB3	181304	217366	7.41%	0.399%

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72	19.327	2790	2795	2798	rBV2	1773482	2505824	85.39%	4.595%
73	19.356	2798	2800	2809	rVB	1578272	1865915	63.58%	3.422%
74	19.674	2852	2854	2856	rBV3	88258	106925	3.64%	0.196%
75	19.862	2883	2886	2890	rVB	323555	429812	14.65%	0.788%
76	19.962	2900	2903	2907	rVB	226336	268897	9.16%	0.493%
77	20.203	2941	2944	2948	rVB	272758	318503	10.85%	0.584%
78	20.780	3039	3042	3045	rBV	322745	356679	12.15%	0.654%
79	20.839	3049	3052	3057	rVB2	302231	370679	12.63%	0.680%
80	21.127	3096	3101	3106	rBV3	1238105	2686569	91.55%	4.927%
81	21.174	3106	3109	3113	rVB	957862	1138840	38.81%	2.089%
82	22.674	3359	3364	3368	rBV	839565	1689229	57.56%	3.098%
83	23.180	3446	3450	3453	rBV	665247	1034446	35.25%	1.897%
84	23.221	3454	3457	3463	rVB	827656	1303938	44.43%	2.391%

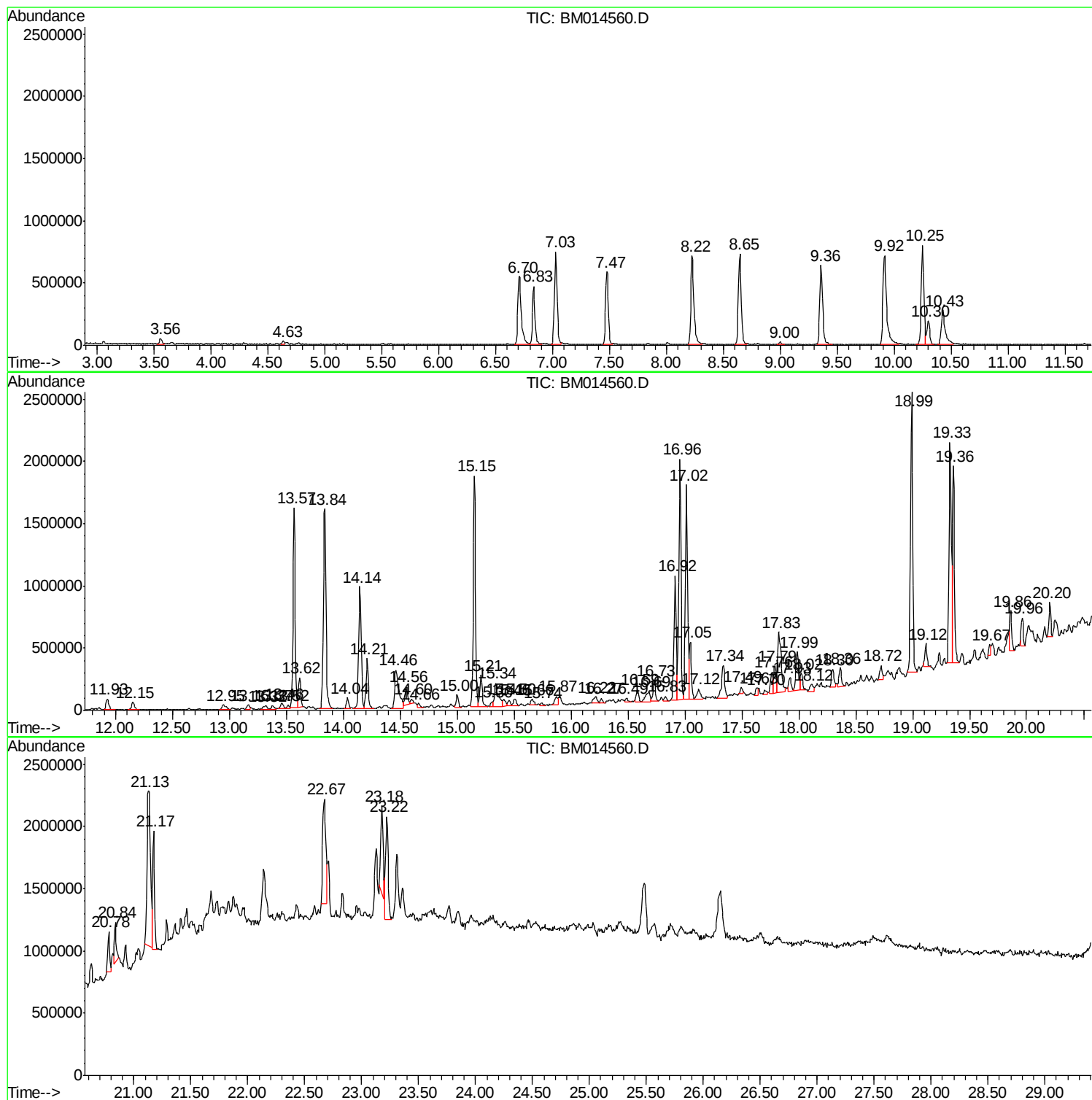
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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



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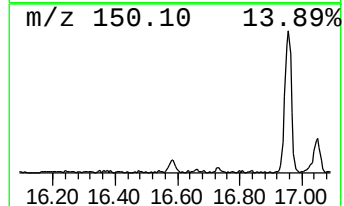
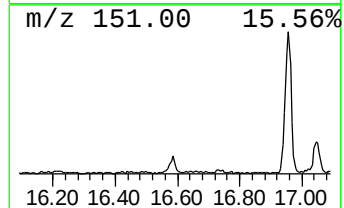
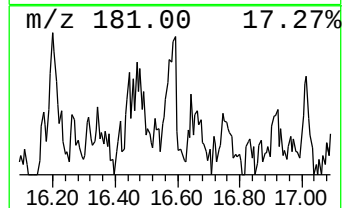
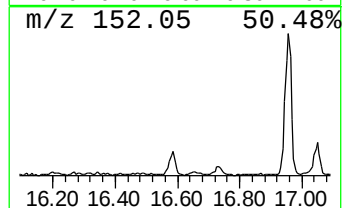
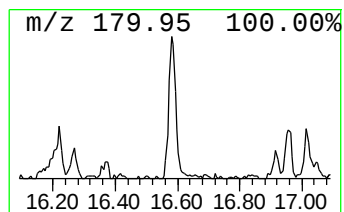
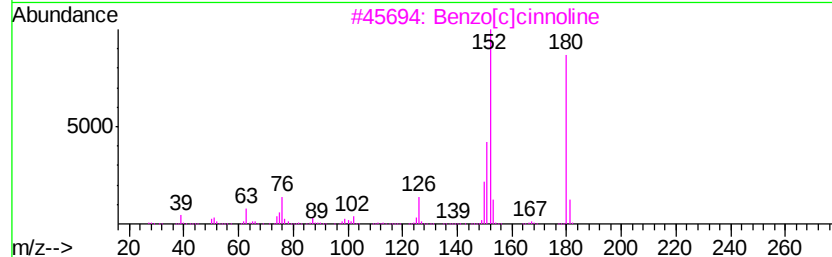
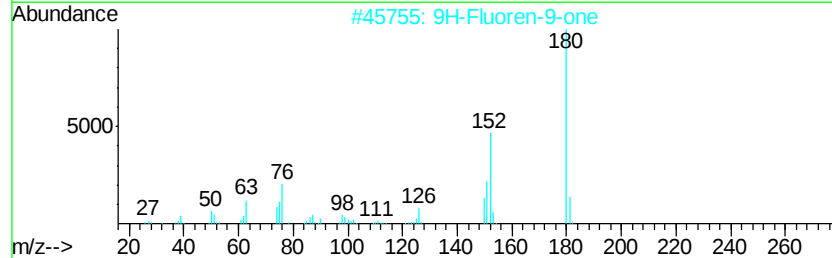
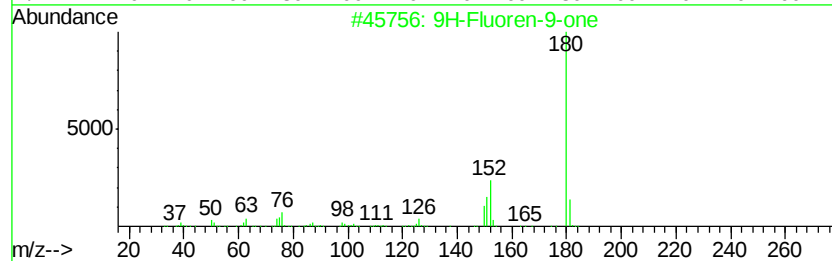
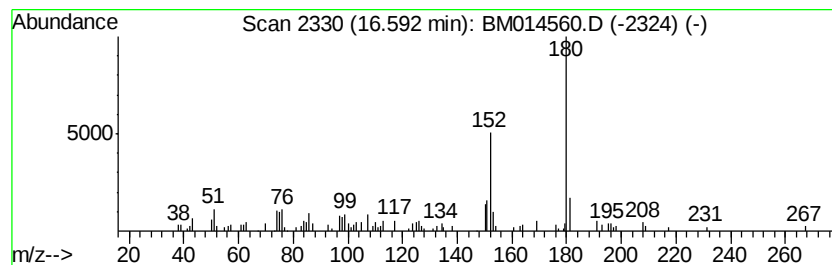
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.		
16.59	2.09 ng/ul	149488	Phenanthrene-d10		16.92		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2			9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
3			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	87
4			9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
5			9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	72



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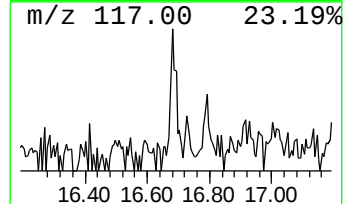
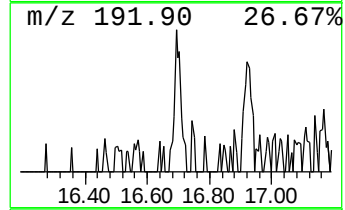
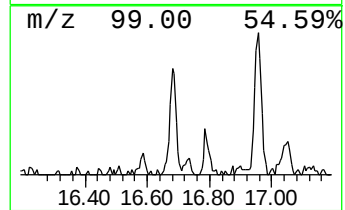
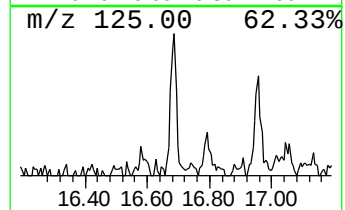
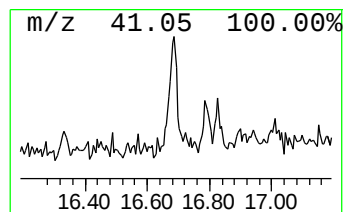
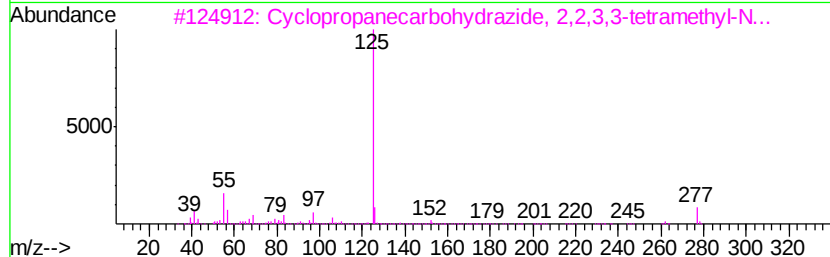
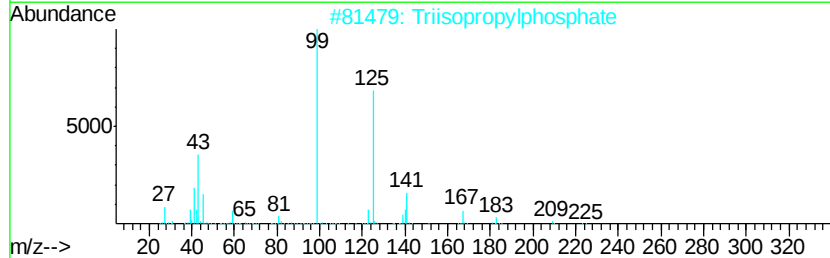
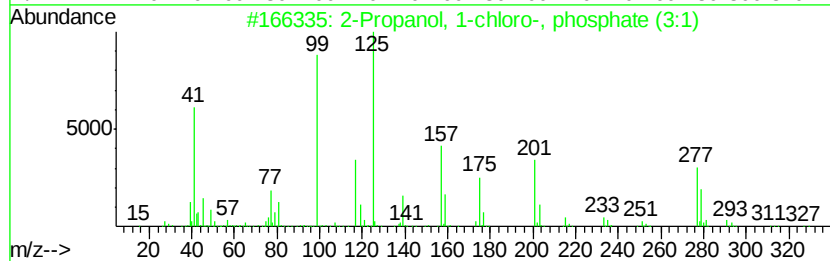
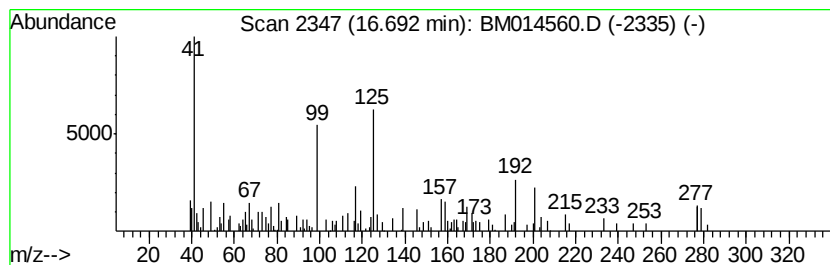
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Propanol, 1-chloro-, phos... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.69	3.31 ng/ul	237354	Phenanthrene-d10	16.92		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	78	
2	Triisopropylphosphate	224	C9H21O4P	000513-02-0	38	
3	Cvclopropanecarbohydrazide, 2,2,...	277	C14H19N3O3	329069-29-6	22	
4	Pyridinium, 3-mercapto-1-methyl-...	125	C6H7NS	036880-58-7	18	
5	3-Picoline, 2-(tert-butylthio)-	181	C10H15NS	018833-87-9	18	



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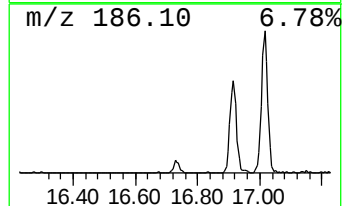
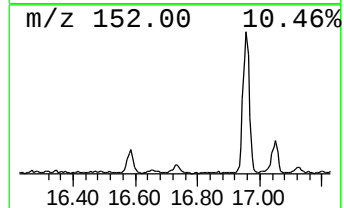
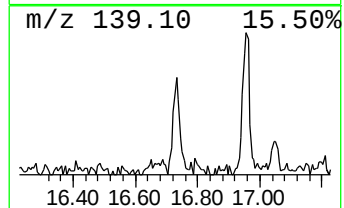
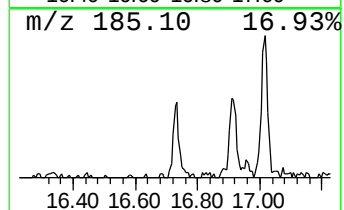
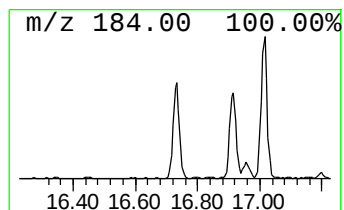
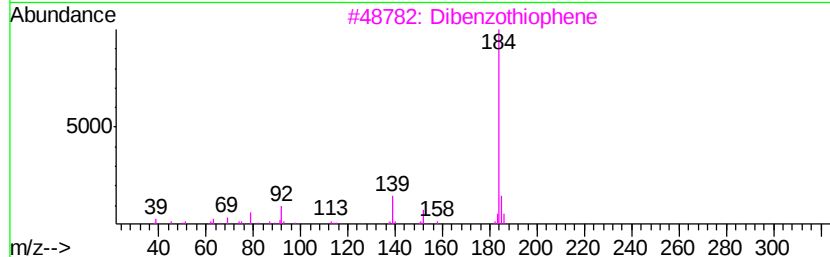
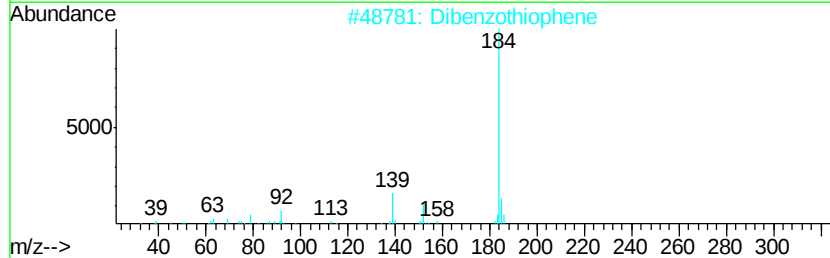
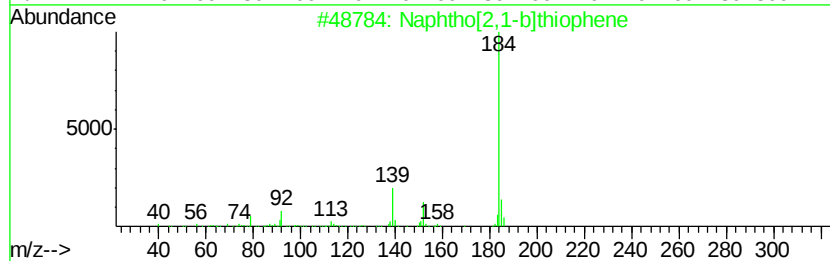
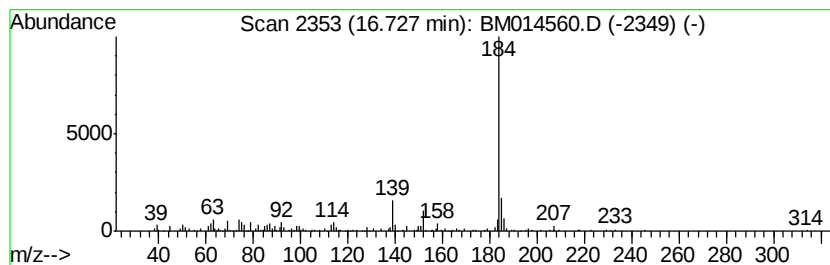
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphtho[2,1-b]thiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.73	3.45 ng/ul	247047	Phenanthrene-d10	16.92		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
2		Dibenzothiophene	184	C12H8S	000132-65-0	93
3		Dibenzothiophene	184	C12H8S	000132-65-0	93
4		Dibenzothiophene	184	C12H8S	000132-65-0	90
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90



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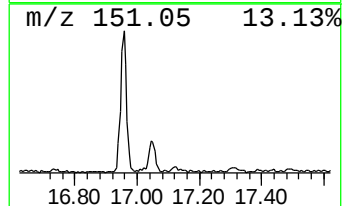
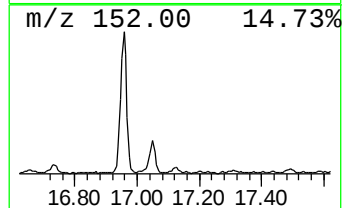
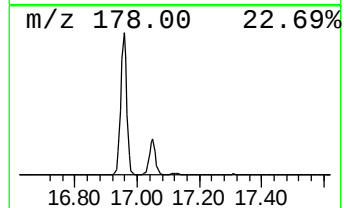
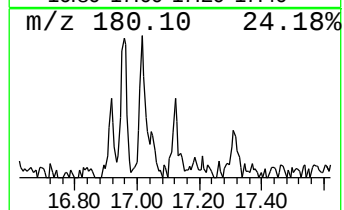
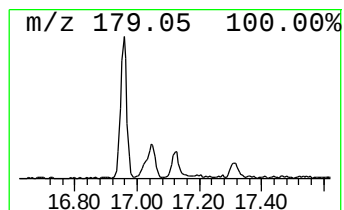
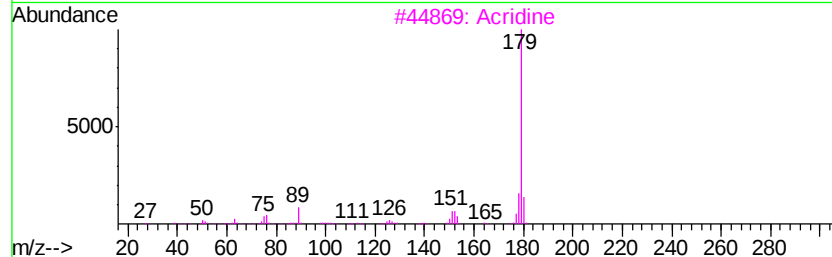
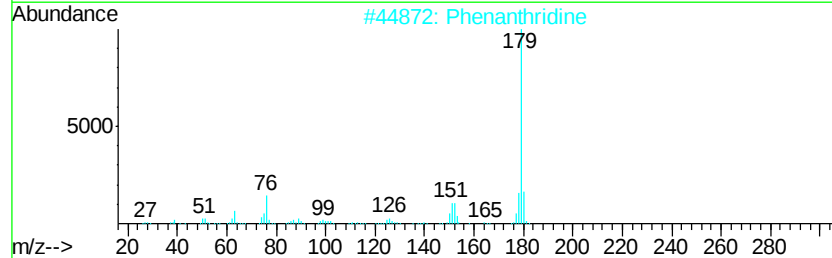
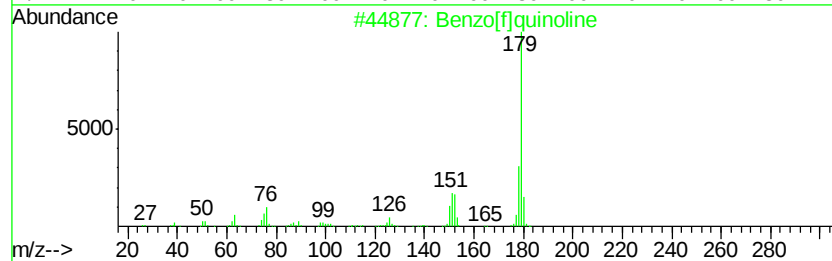
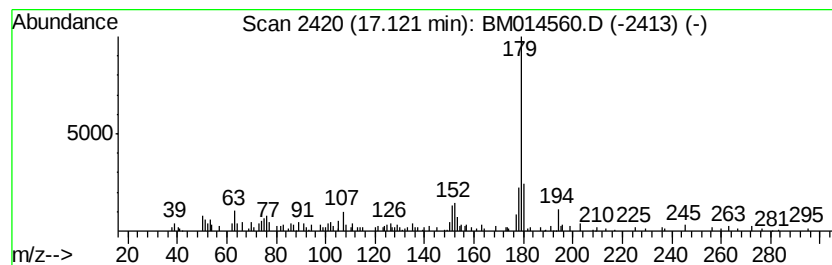
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 Benzo[f]quinoline Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	2.24 ng/ul	160489	Phenanthrene-d10	16.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[f]quinoline	179	C13H9N	000085-02-9	76
2		Phenanthridine	179	C13H9N	000229-87-8	76
3		Acridine	179	C13H9N	000260-94-6	76
4		Acridine	179	C13H9N	000260-94-6	76
5		Phenanthridine	179	C13H9N	000229-87-8	68



Data Path : Z:\HPCHEM1\BNA M\DATA\BM031318\
Data File : BM014560.D
Acq On : 14 Mar 2018 01:29
Operator : SJ/JU
Sample : J1813-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F6F21

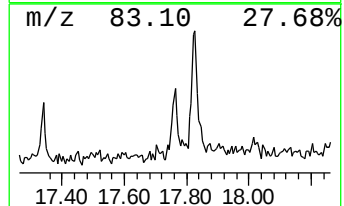
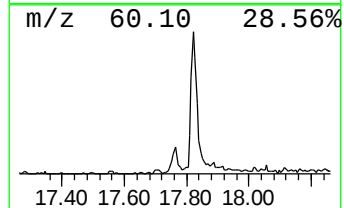
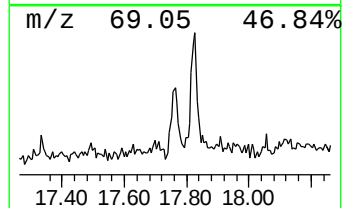
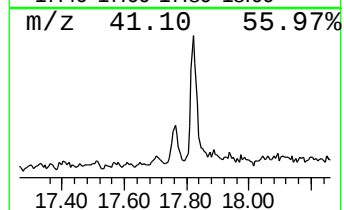
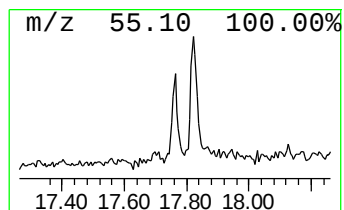
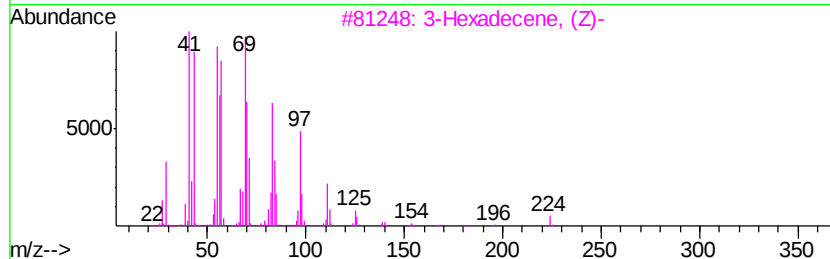
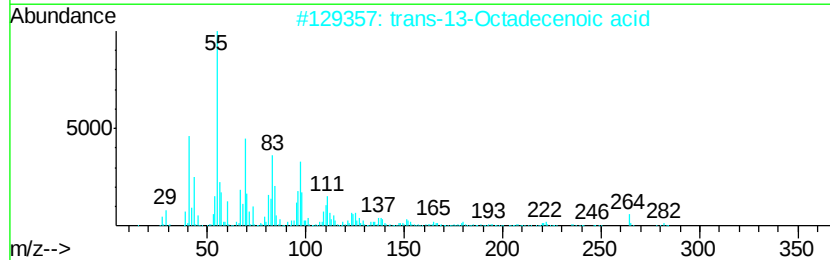
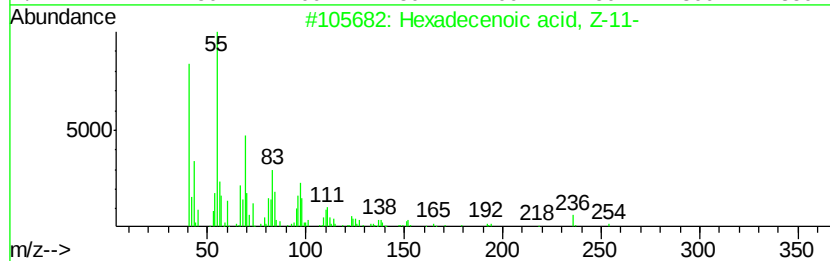
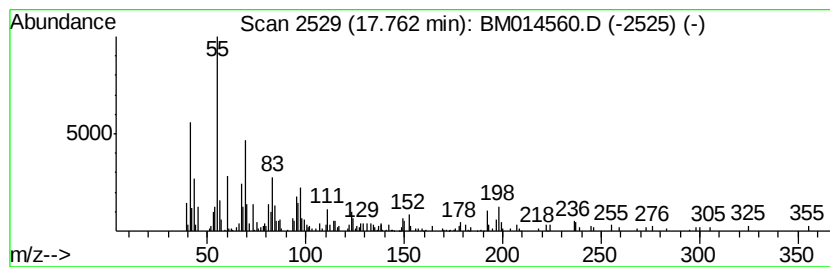
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.76	3.43 ng/ul	246074	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecenoic acid, Z-11-	254	C16H30O2	002416-20-8	43
2	trans-13-Octadecenoic acid	282	C18H34O2	000693-71-0	27
3	3-Hexadecene, (Z)-	224	C16H32	034303-81-6	25
4	7-Hexadecene, (Z)-	224	C16H32	035507-09-6	22
5	Tetradecanenitrile	209	C14H27N	000629-63-0	18



Data Path : Z:\HPCHEM1\BNA M\DATA\BM031318\
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Sample : J1813-05
Misc :
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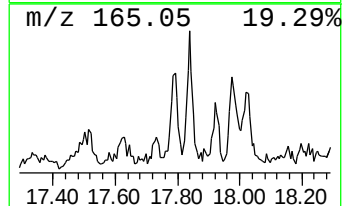
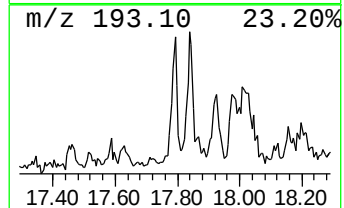
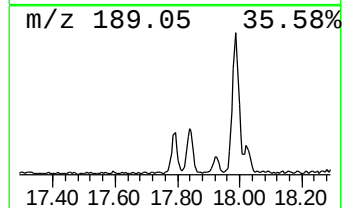
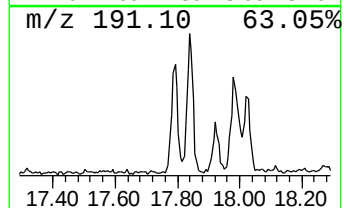
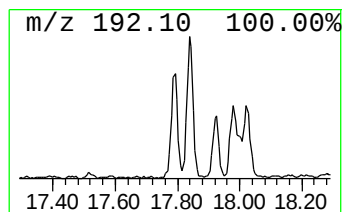
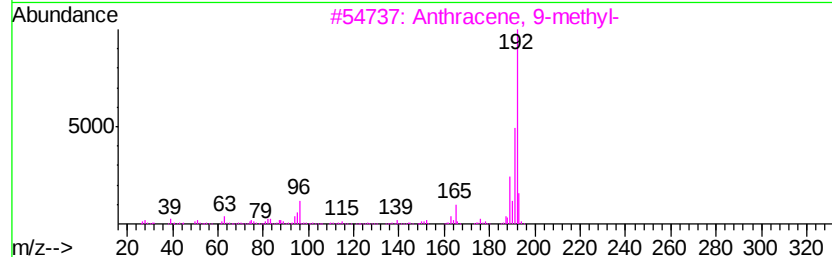
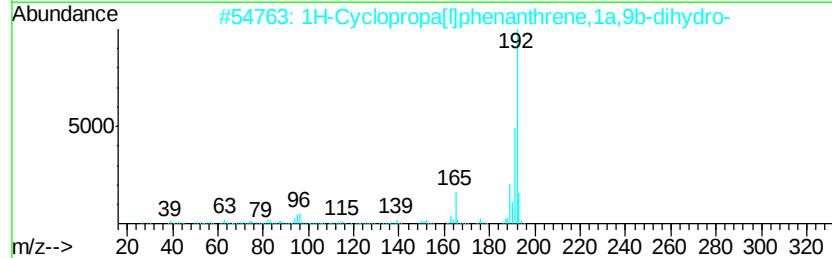
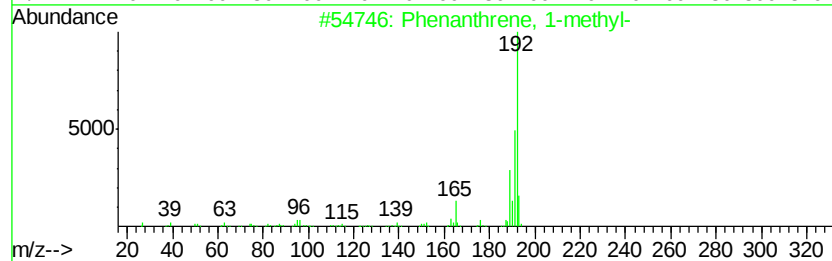
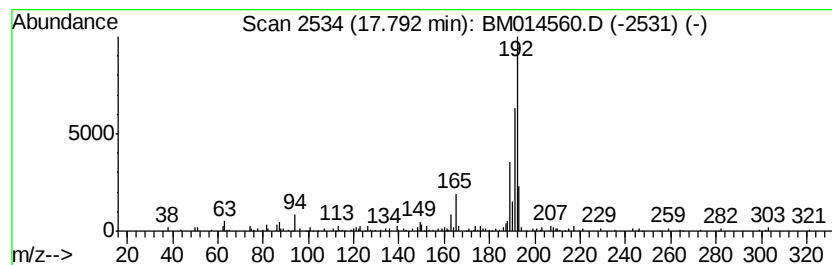
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.79	4.29 ng/ul	307475	Phenanthrene-d10	16.92		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94	
2	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	91	
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90	
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87	
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87	



Data Path : Z:\HPCHEM1\BNA M\DATA\BM031318\
Data File : BM014560.D
Acq On : 14 Mar 2018 01:29
Operator : SJ/JU
Sample : J1813-05
Misc :
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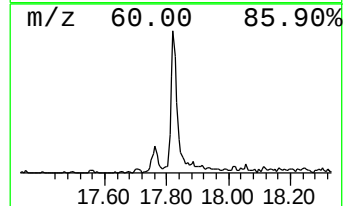
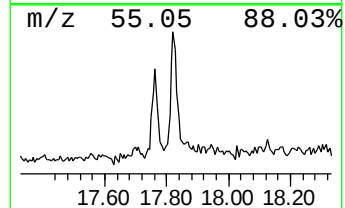
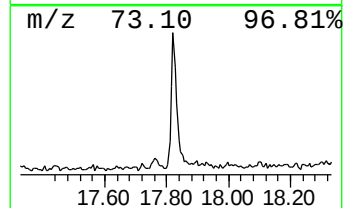
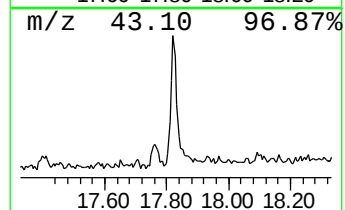
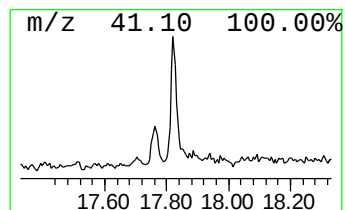
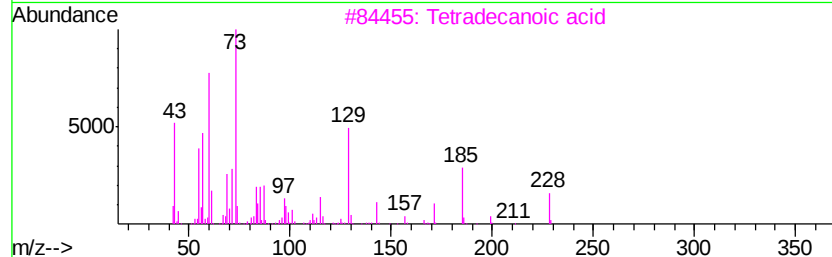
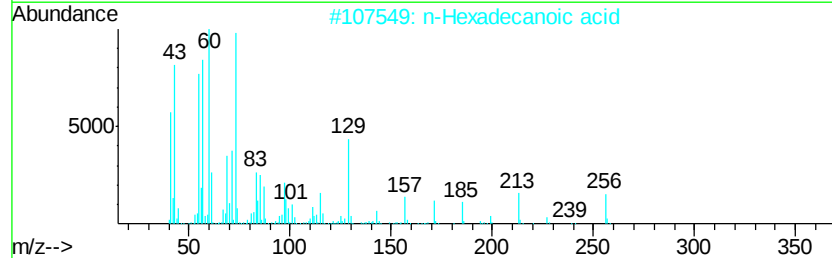
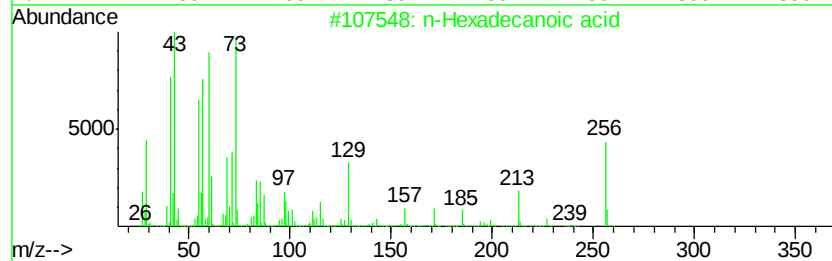
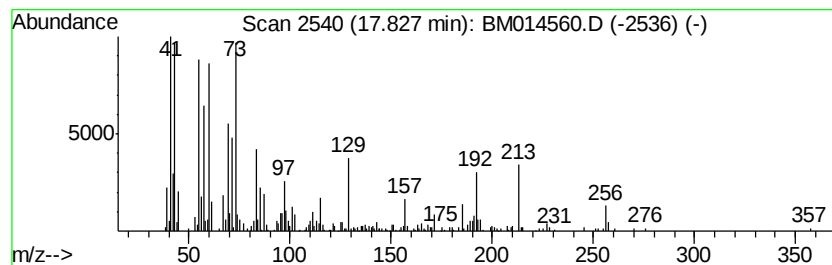
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.83	14.67 ng/ul	1051090	Phenanthrene-d10	16.92		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90	
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	86	
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	83	
4	Heptadecanoic acid	270	C17H34O2	000506-12-7	62	
5	Tridecanoic acid	214	C13H26O2	000638-53-9	58	



Data Path : Z:\HPCHEM1\BNA M\DATA\BM031318\
Data File : BM014560.D
Acq On : 14 Mar 2018 01:29
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Sample : J1813-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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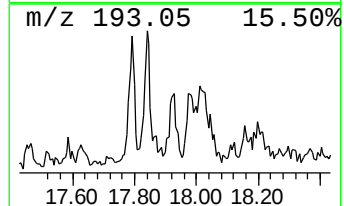
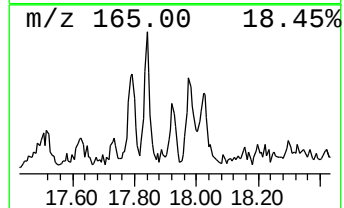
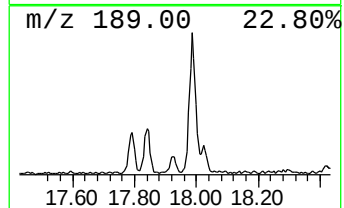
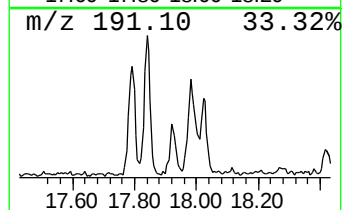
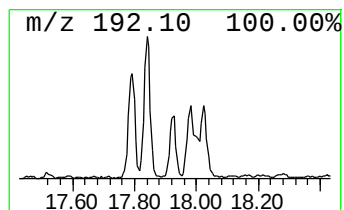
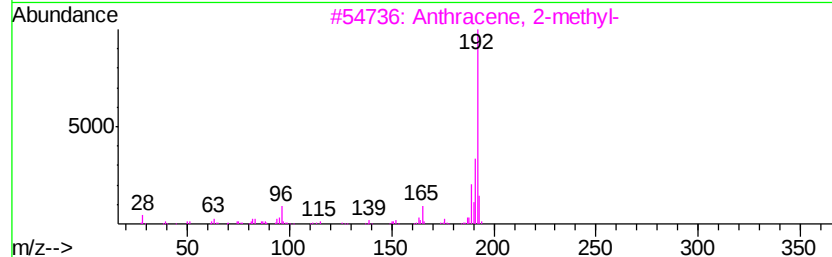
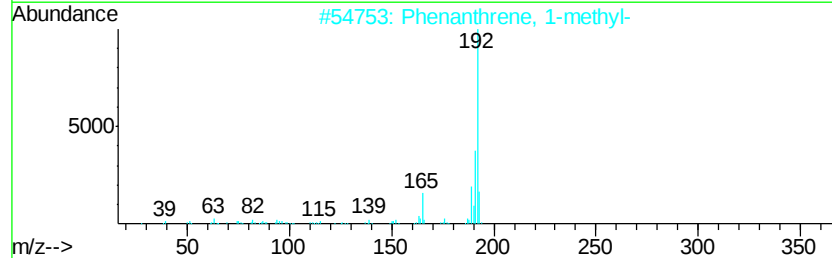
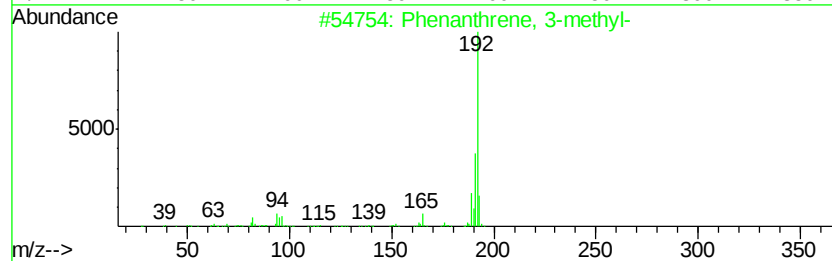
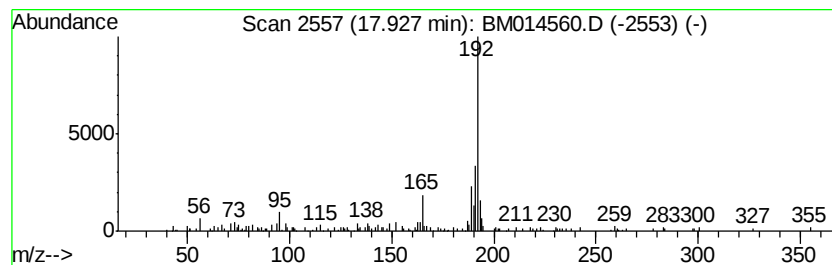
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 Phenanthrene, 3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	2.32 ng/ul	166045	Phenanthrene-d10	16.92

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	83
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	76
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76



Data Path : Z:\HPCHEM1\BNA M\DATA\BM031318\
Data File : BM014560.D
Acq On : 14 Mar 2018 01:29
Operator : SJ/JU
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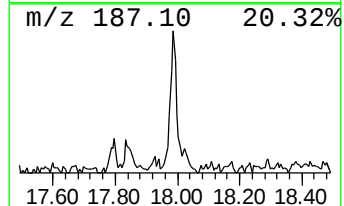
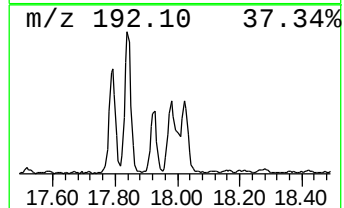
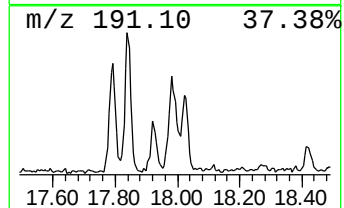
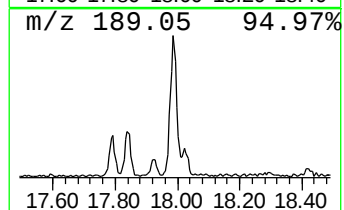
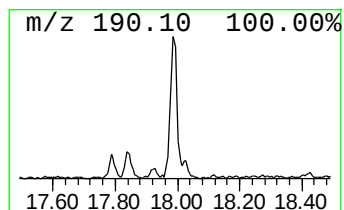
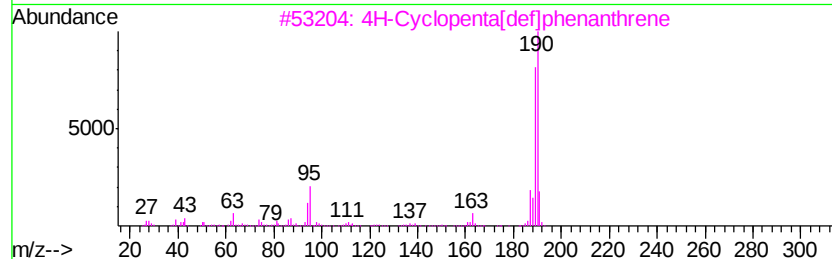
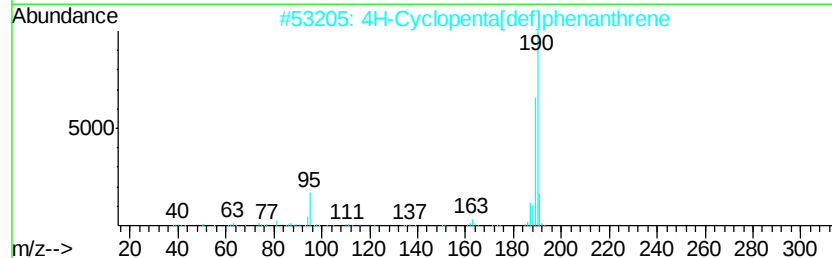
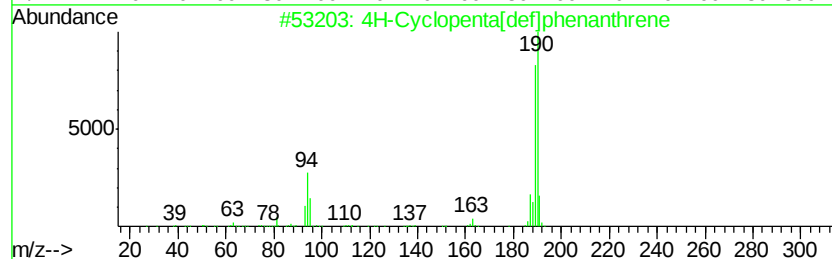
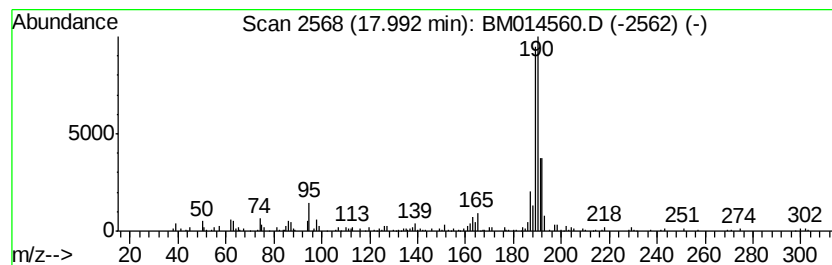
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.99	7.39 ng/ul	529854	Phenanthrene-d10	16.92		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
4		Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	47
5		Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	43



Data Path : Z:\HPCHEM1\BNA M\DATA\BM031318\
Data File : BM014560.D
Acq On : 14 Mar 2018 01:29
Operator : SJ/JU
Sample : J1813-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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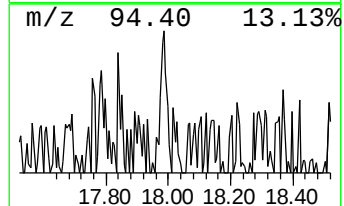
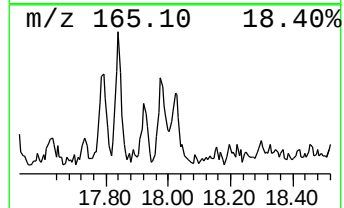
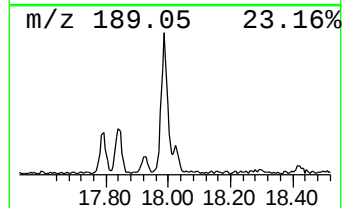
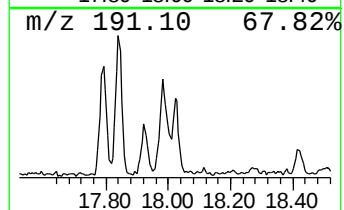
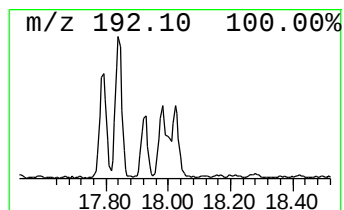
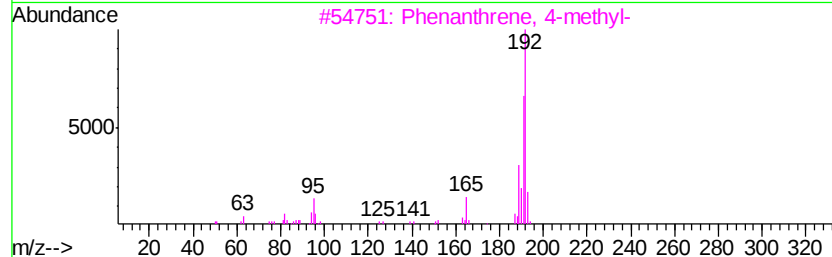
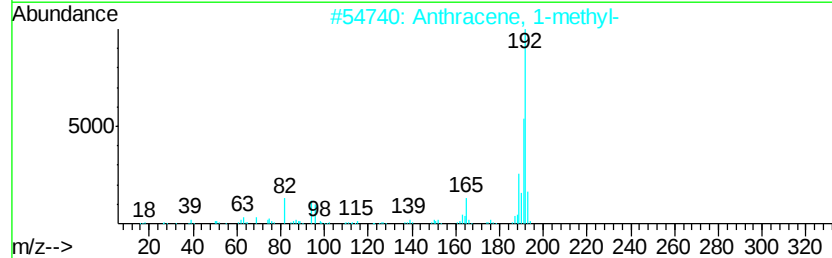
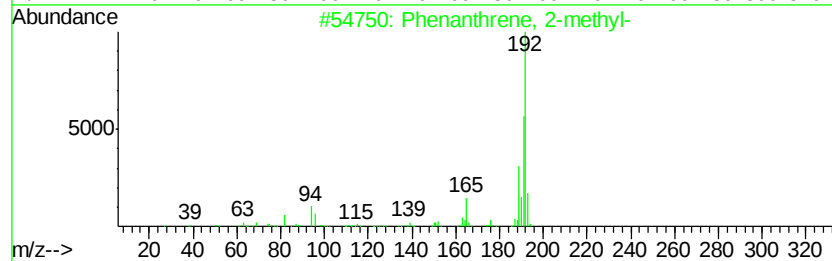
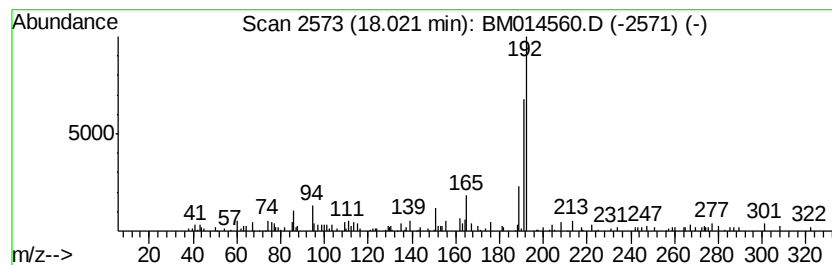
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	2.31 ng/ul	165358	Phenanthrene-d10	16.92

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76
2			Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
3			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	59
4			1H-Cyclopropa[1,1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	58
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	58



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Data File : BM014560.D
Acq On : 14 Mar 2018 01:29
Operator : SJ/JU
Sample : J1813-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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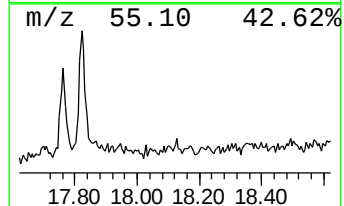
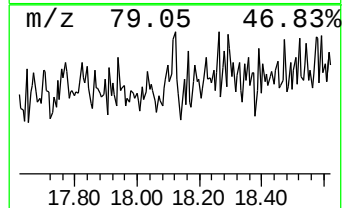
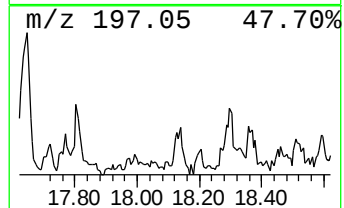
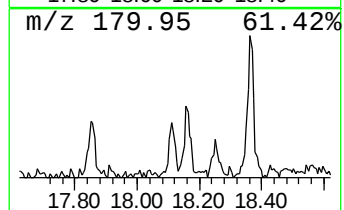
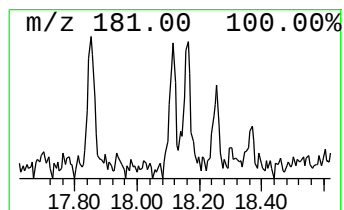
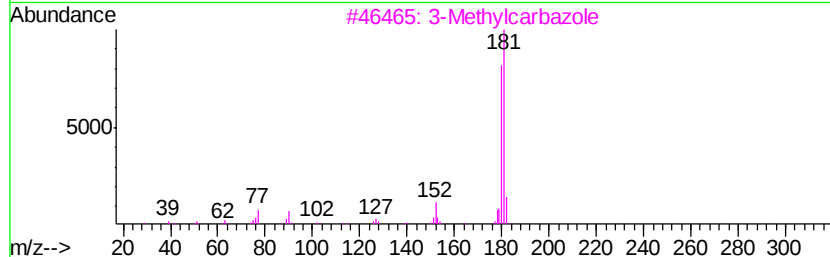
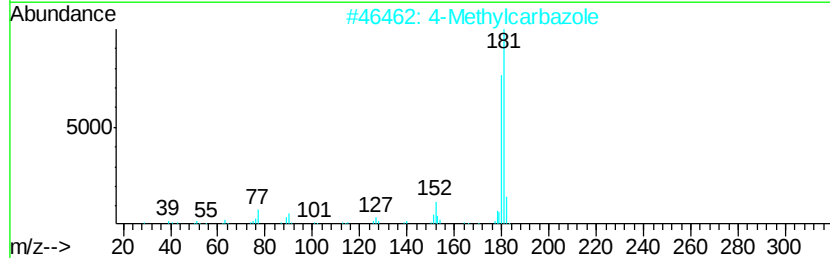
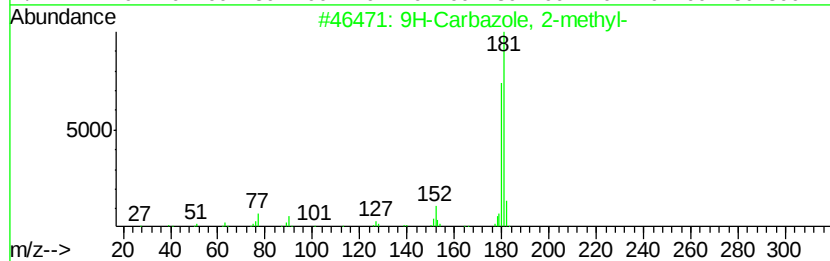
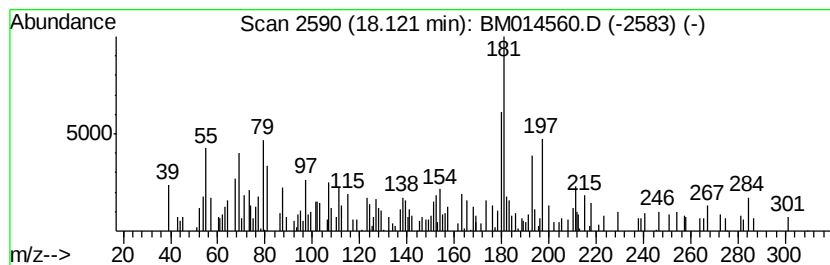
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 9H-Carbazole, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	2.12 ng/ul	151758	Phenanthrene-d10	16.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	55
2		4-Methylcarbazole	181	C13H11N	003770-48-7	55
3		3-Methylcarbazole	181	C13H11N	004630-20-0	55
4		5H-Indeno[1,2-b]pyridine, 4-methyl-	181	C13H11N	064292-01-9	53
5		9H-Carbazole, 9-methyl-	181	C13H11N	001484-12-4	52



Data Path : Z:\HPCHEM1\BNA M\DATA\BM031318\
Data File : BM014560.D
Acq On : 14 Mar 2018 01:29
Operator : SJ/JU
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Misc :
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ClientSampleId :
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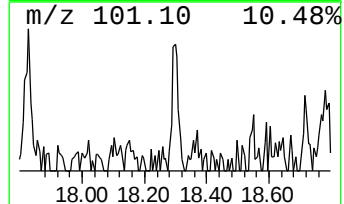
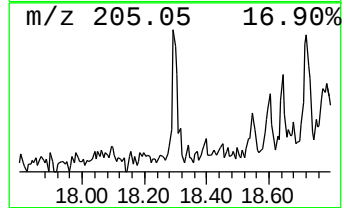
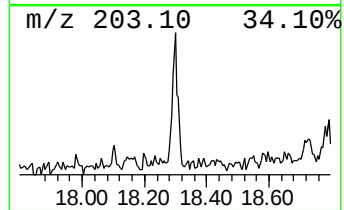
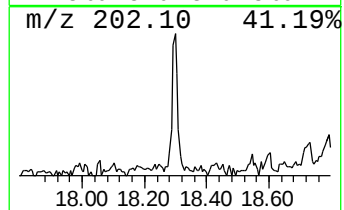
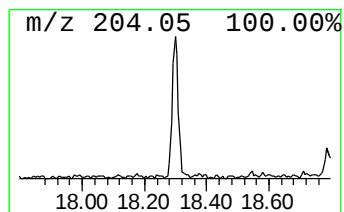
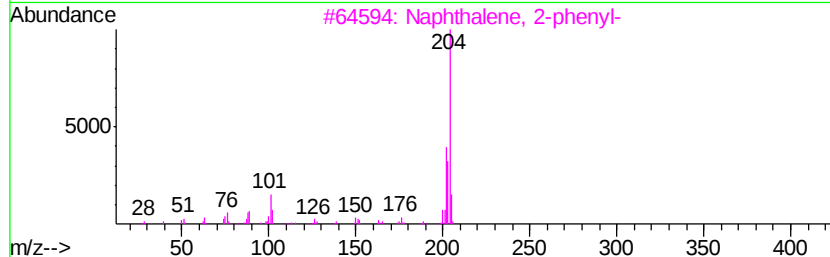
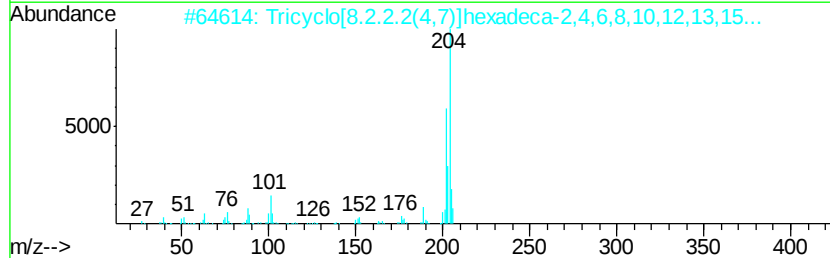
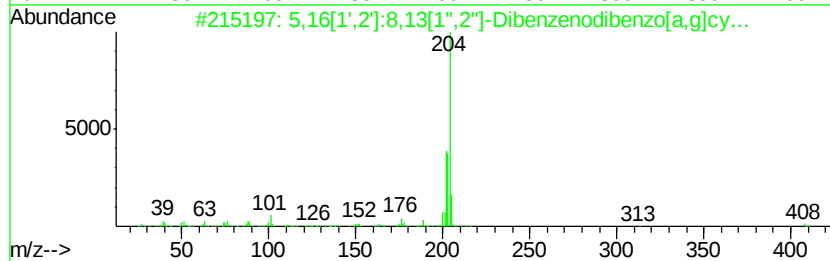
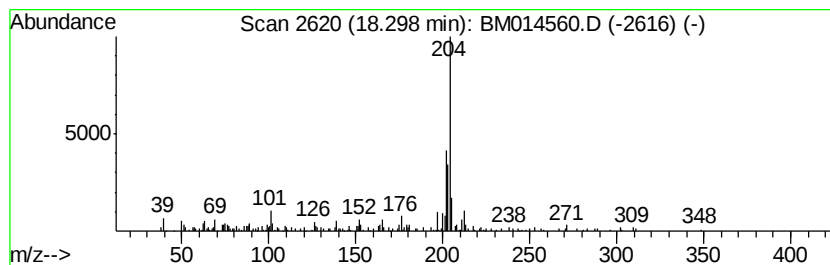
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	3.15 ng/ul	225540	Phenanthrene-d10	16.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	55
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52



Data Path : Z:\HPCHEM1\BNA M\DATA\BM031318\
Data File : BM014560.D
Acq On : 14 Mar 2018 01:29
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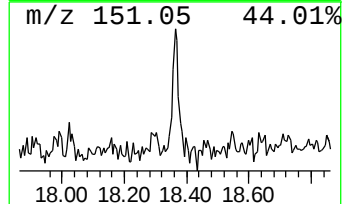
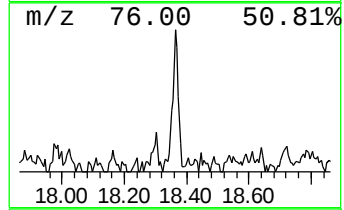
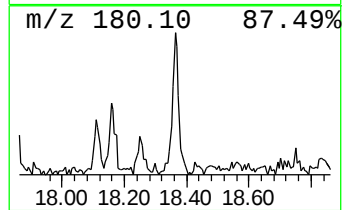
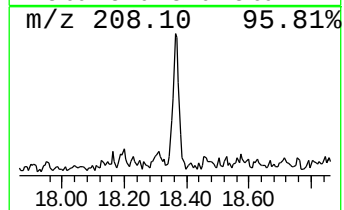
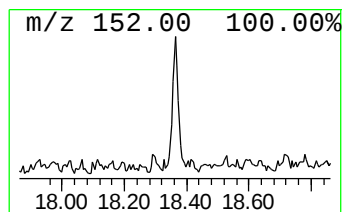
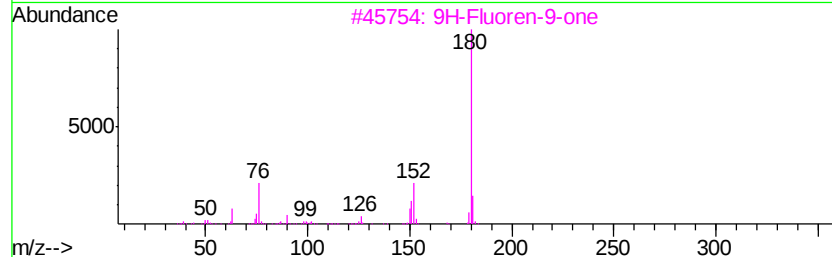
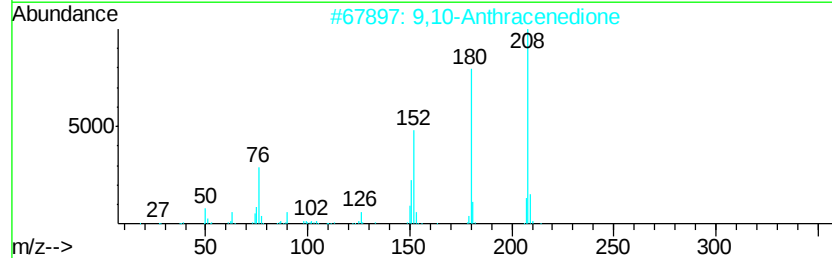
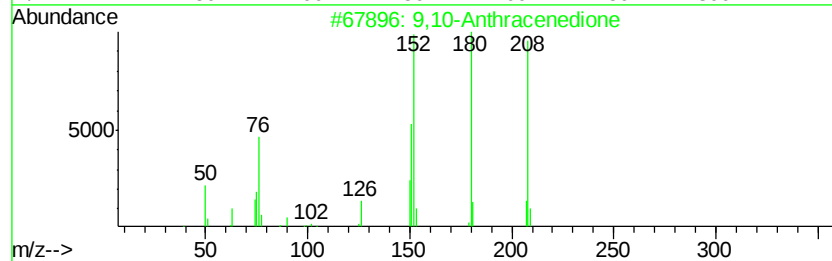
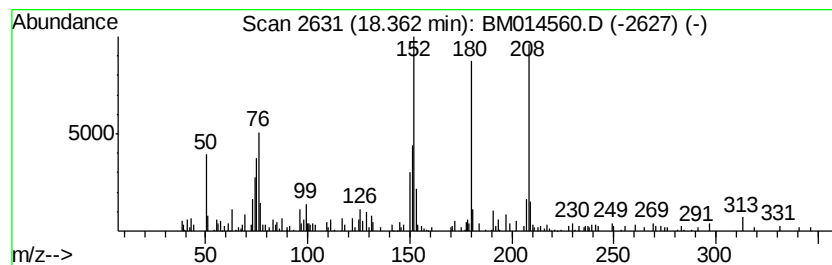
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	3.00 ng/ul	214964	Phenanthrene-d10	16.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	83
2		9,10-Anthracenedione	208	C14H8O2	000084-65-1	45
3		9H-Fluoren-9-one	180	C13H8O	000486-25-9	45
4		Benzo[cl]cinoline	180	C12H8N2	000230-17-1	45
5		9,10-Anthracenedione	208	C14H8O2	000084-65-1	43



Data Path : Z:\HPCHEM1\BNA M\DATA\BM031318\
Data File : BM014560.D
Acq On : 14 Mar 2018 01:29
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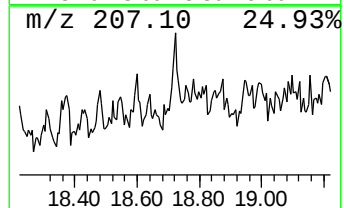
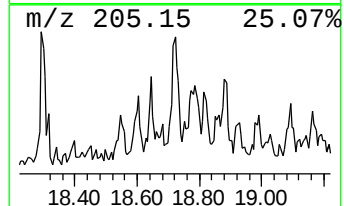
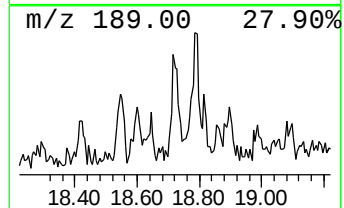
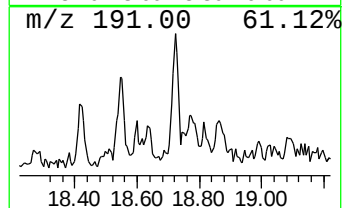
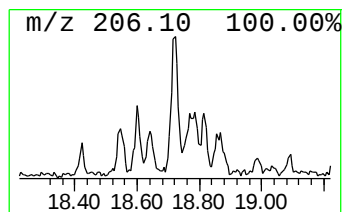
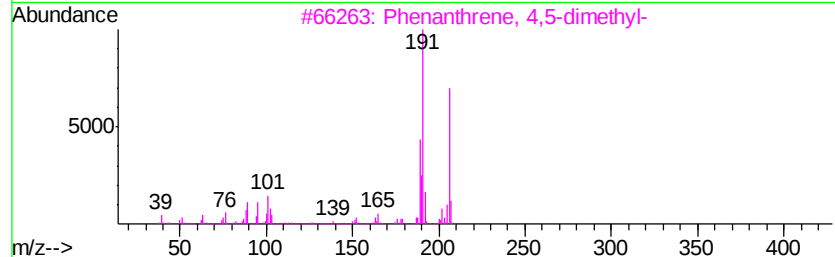
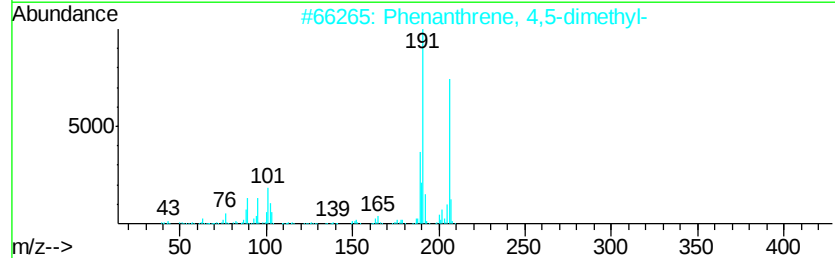
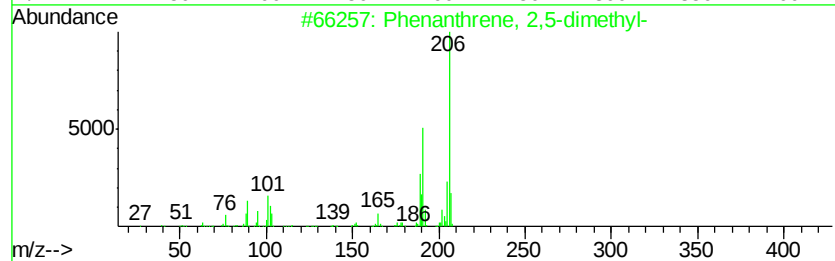
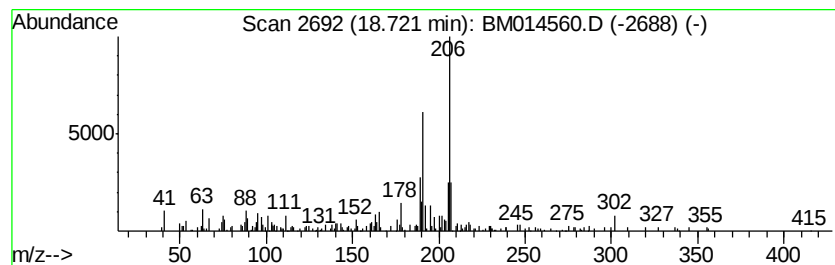
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	2.22 ng/ul	158794	Phenanthrene-d10	16.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2		Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
3		Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	83
4		Anthracene, 2-ethyl-	206	C16H14	052251-71-5	81
5		9,10-Dimethylantracene	206	C16H14	000781-43-1	81



Data Path : Z:\HPCHEM1\BNA M\DATA\BM031318\
Data File : BM014560.D
Acq On : 14 Mar 2018 01:29
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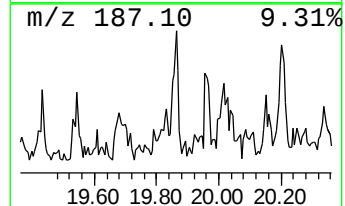
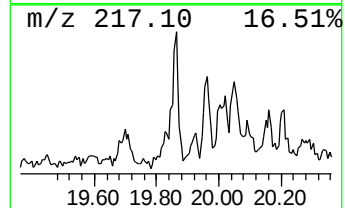
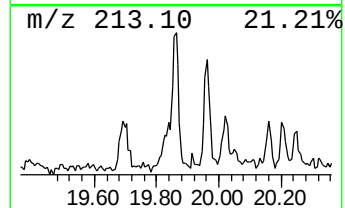
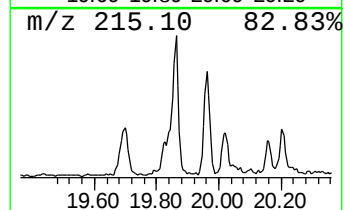
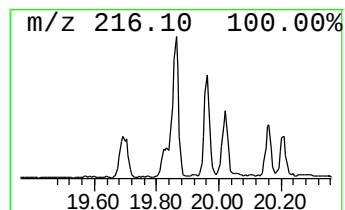
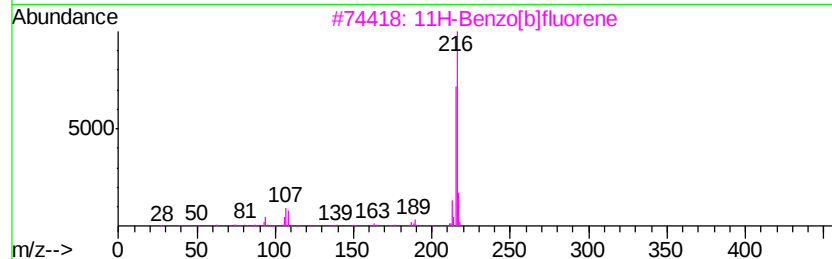
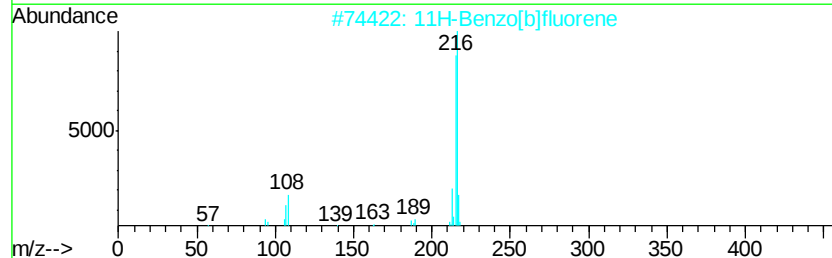
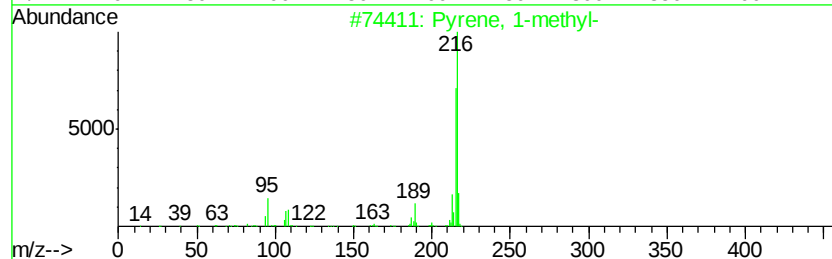
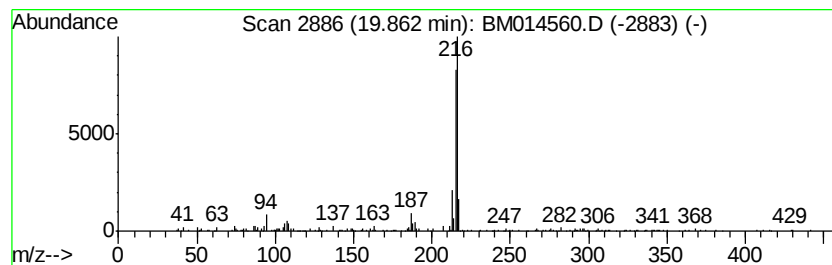
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.86	3.20 ng/ul	429812	Chrysene-d12	21.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72



Data Path : Z:\HPCHEM1\BNA M\DATA\BM031318\
Data File : BM014560.D
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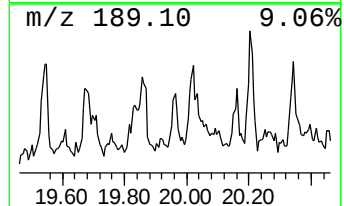
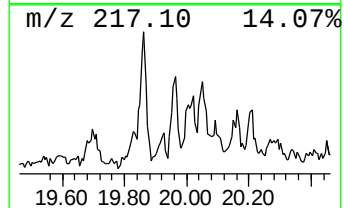
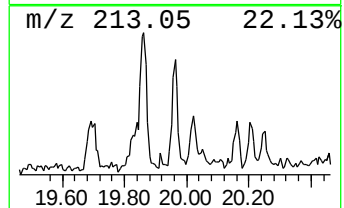
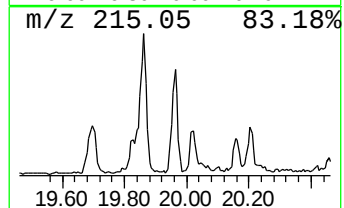
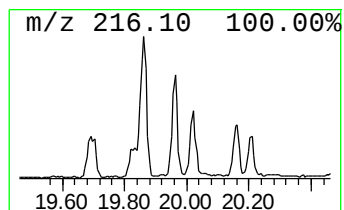
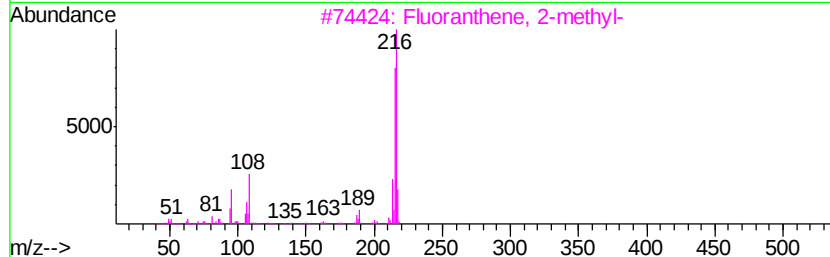
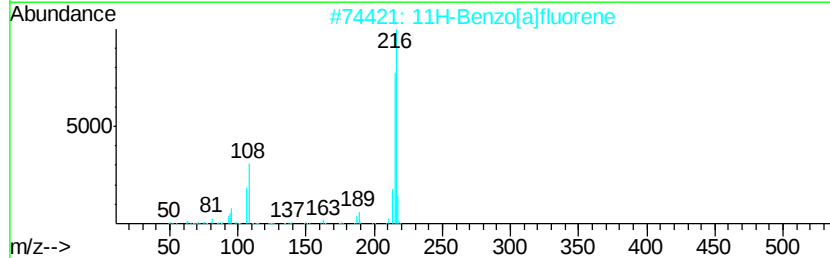
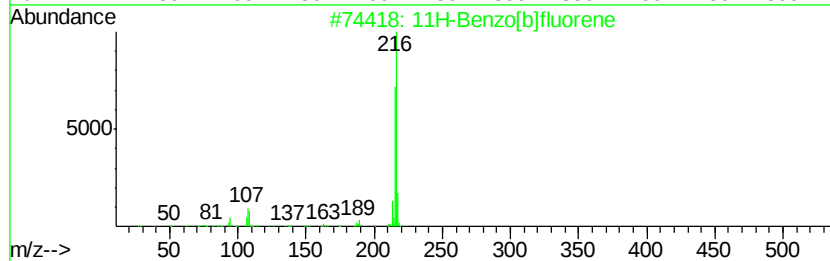
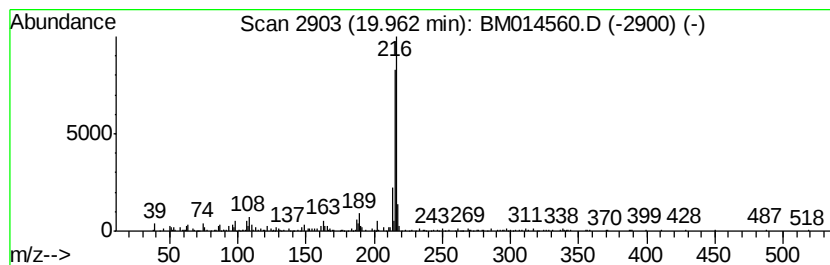
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.96	2.00 ng/ul	268897	Chrysene-d12	21.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	86
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
5		Pyrene, 1-methyl-	216	C17H12	002381-21-7	72



Data Path : Z:\HPCHEM1\BNA M\DATA\BM031318\
Data File : BM014560.D
Acq On : 14 Mar 2018 01:29
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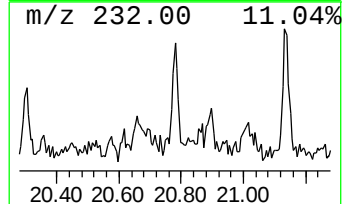
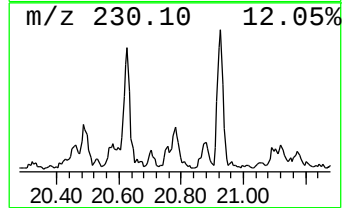
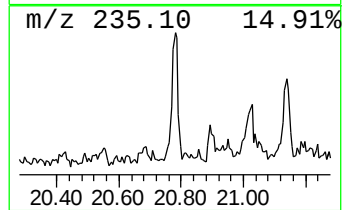
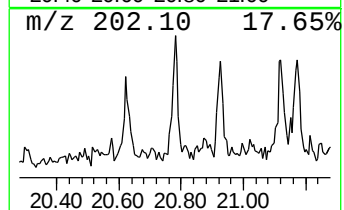
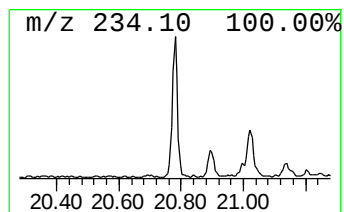
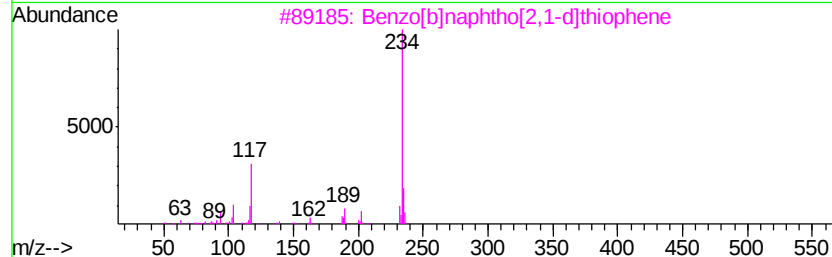
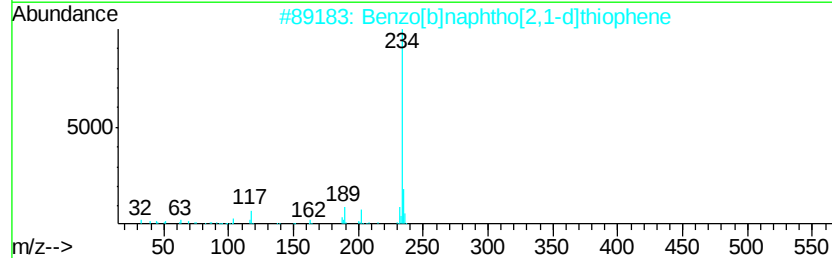
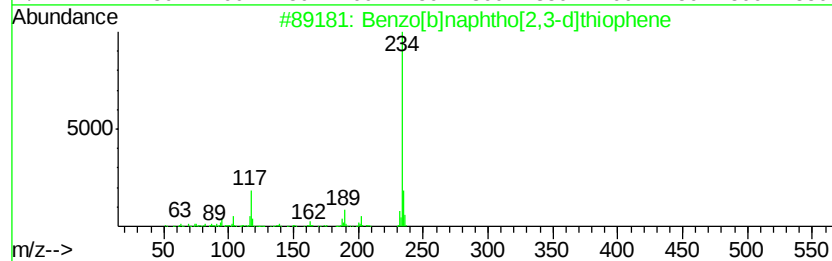
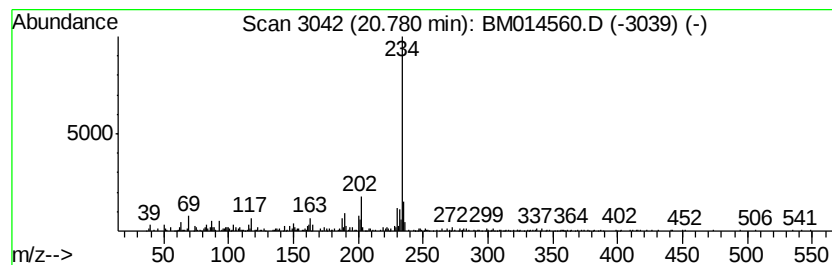
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.78	2.66 ng/ul	356679	Chrysene-d12	21.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	83
2		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	80
3		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	72
4		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	72
5		Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64



Data Path : Z:\HPCHEM1\BNA M\DATA\BM031318\
Data File : BM014560.D
Acq On : 14 Mar 2018 01:29
Operator : SJ/JU
Sample : J1813-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F6F21

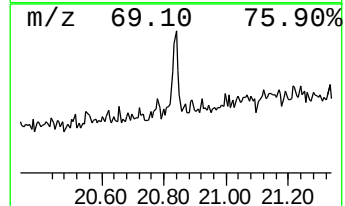
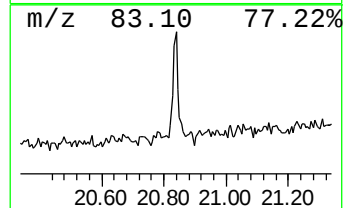
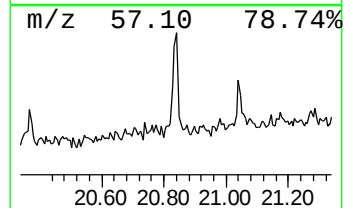
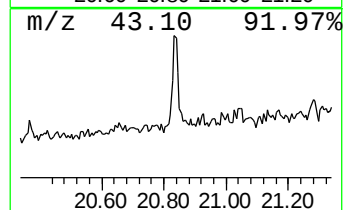
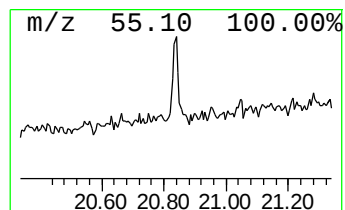
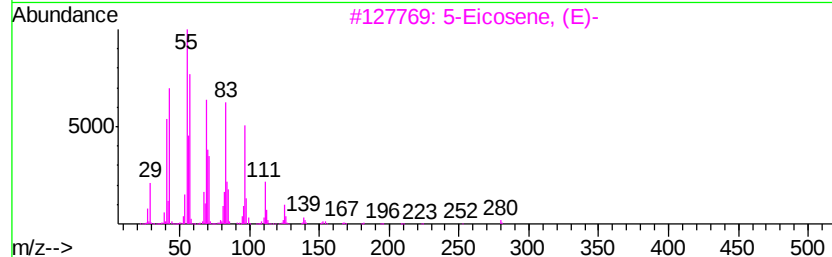
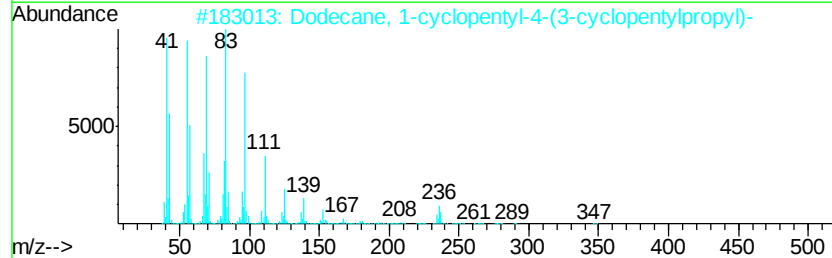
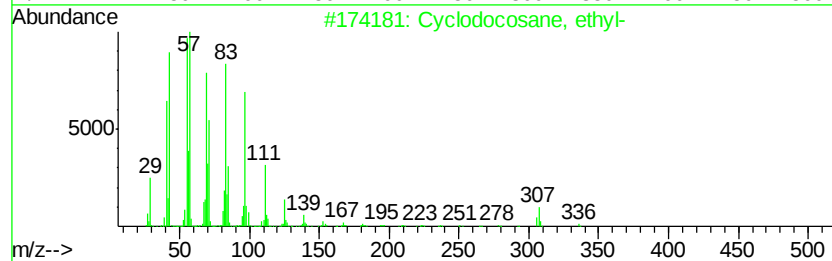
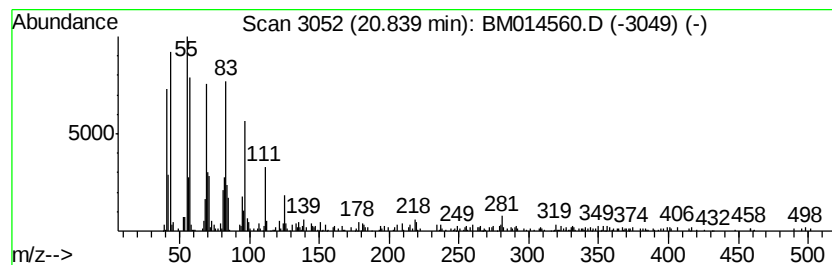
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 (DEL) Alkane: Cyclic20.84 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.84	2.76 ng/ul	370679	Chrysene-d12	21.14

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclodocosane, ethyl-	336	C24H48	1000151-22-6	87
2			Dodecane, 1-cyclopentyl-4-(3-cyclopentylpropyl)-	348	C25H48	007225-68-5	83
3			5-Eicosene, (E)-	280	C20H40	074685-30-6	78
4			3-Hexene, 2,2,5,5-tetramethyl-, ...	140	C10H20	000692-47-7	64
5			Cyclohexane, 1-(1,5-dimethylhexyl)-	280	C20H40	056009-20-2	62



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031318\
 Data File : BM014560.D
 Acq On : 14 Mar 2018 01:29
 Operator : SJ/JU
 Sample : J1813-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6F21

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.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
9H-Fluoren-9-one	16.59	2.1	ng/ul	149488	4	16.92	1433010	20.0
2-Propanol, 1-chl...	16.69	3.3	ng/ul	237354	4	16.92	1433010	20.0
Naphtho[2,1-b]thi...	16.73	3.5	ng/ul	247047	4	16.92	1433010	20.0
Benzo[f]quinoline	17.12	2.2	ng/ul	160489	4	16.92	1433010	20.0
unknown-01	17.76	3.4	ng/ul	246074	4	16.92	1433010	20.0
Phenanthrene, 1-m...	17.79	4.3	ng/ul	307475	4	16.92	1433010	20.0
n-Hexadecanoic acid	17.83	14.7	ng/ul	1051090	4	16.92	1433010	20.0
Phenanthrene, 3-m...	17.93	2.3	ng/ul	166045	4	16.92	1433010	20.0
4H-Cyclopenta[def...	17.99	7.4	ng/ul	529854	4	16.92	1433010	20.0
Phenanthrene, 2-m...	18.02	2.3	ng/ul	165358	4	16.92	1433010	20.0
9H-Carbazole, 2-m...	18.12	2.1	ng/ul	151758	4	16.92	1433010	20.0
5,16[1',2']:8,13[...	18.30	3.1	ng/ul	225540	4	16.92	1433010	20.0
9,10-Anthracenedione	18.36	3.0	ng/ul	214964	4	16.92	1433010	20.0
Phenanthrene, 2,5...	18.72	2.2	ng/ul	158794	4	16.92	1433010	20.0
Pyrene, 1-methyl-	19.86	3.2	ng/ul	429812	5	21.14	2686570	20.0
11H-Benzo[b]fluorene	19.96	2.0	ng/ul	268897	5	21.14	2686570	20.0
Benzo[b]naphtho[2...	20.78	2.7	ng/ul	356679	5	21.14	2686570	20.0
(DEL) Alkane: Cyc...	20.84	2.8	ng/ul	370679	5	21.14	2686570	20.0