

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
 Data File : BM013481.D
 Acq On : 16 Dec 2017 17:46
 Operator : SJ/JU
 Sample : I6778-10
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A75

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-BM113017.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	3.222	21	23	30	rVB3	40289	65109	1.26%	0.078%
2	3.722	105	108	116	rVB2	73782	101475	1.96%	0.121%
3	4.840	294	298	302	rVB3	37404	58101	1.12%	0.069%
4	5.687	437	442	451	rBV4	43141	86491	1.67%	0.103%
5	6.851	634	640	651	rBV	769511	1361929	26.29%	1.623%
6	7.016	662	668	677	rVB	618398	937800	18.10%	1.117%
7	7.210	694	701	709	rBV	832284	1293535	24.97%	1.541%
8	7.334	718	722	729	rVB2	38819	64923	1.25%	0.077%
9	7.675	772	780	788	rBV	904495	1455572	28.10%	1.734%
10	8.204	865	870	878	rVB2	68818	117857	2.28%	0.140%
11	8.381	893	900	909	rBV	1006995	1610829	31.10%	1.919%
12	8.828	969	976	984	rBV	849955	1377626	26.60%	1.641%
13	8.951	988	997	1001	rBV6	36378	75144	1.45%	0.090%
14	9.545	1090	1098	1106	rBV	707904	1201424	23.19%	1.431%
15	10.081	1181	1189	1200	rBV	1044370	1758606	33.95%	2.095%
16	10.451	1244	1252	1258	rBV	1271875	2175256	41.99%	2.592%
17	10.498	1258	1260	1267	rVB2	58077	81661	1.58%	0.097%
18	10.592	1267	1276	1286	rBV	521282	986261	19.04%	1.175%
19	11.969	1504	1510	1519	rVB6	27656	67988	1.31%	0.081%
20	13.733	1803	1810	1814	rBV	1930278	2635395	50.88%	3.140%
21	13.780	1814	1818	1826	rVB	548252	815845	15.75%	0.972%
22	14.010	1846	1857	1860	rBV	2070880	3366891	65.00%	4.011%
23	14.222	1887	1893	1897	rBV3	55412	85057	1.64%	0.101%
24	14.316	1900	1909	1917	rVV2	1886690	2913185	56.24%	3.471%
25	14.539	1940	1947	1955	rBV	607969	1088418	21.01%	1.297%
26	14.916	2006	2011	2016	rBV6	42426	85375	1.65%	0.102%
27	15.180	2051	2056	2063	rVB2	104694	200239	3.87%	0.239%
28	15.316	2069	2079	2085	rBV	2580602	3780192	72.98%	4.504%
29	15.392	2085	2092	2095	rVB2	49813	93655	1.81%	0.112%
30	15.445	2095	2101	2107	rBV	434363	616915	11.91%	0.735%
31	15.574	2116	2123	2131	rBV8	61860	155571	3.00%	0.185%
32	15.780	2155	2158	2166	rBV7	24102	58759	1.13%	0.070%
33	16.045	2196	2203	2210	rBV5	159628	357825	6.91%	0.426%
34	16.645	2302	2305	2311	rVB3	51056	65000	1.25%	0.077%

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35	16.721	2314	2318	2324	rBV3	62443	107967	2.08%	0.129%
36	16.833	2333	2337	2341	rBV3	87158	112553	2.17%	0.134%
37	16.886	2343	2346	2355	rVB4	62639	110249	2.13%	0.131%
38	17.068	2370	2377	2381	rBV2	2345378	3328837	64.27%	3.966%
39	17.110	2381	2384	2388	rVV	296459	390223	7.53%	0.465%
40	17.163	2388	2393	2397	rVV	2619267	3901817	75.33%	4.649%
41	17.198	2397	2399	2405	rVV	731916	915349	17.67%	1.091%
42	17.257	2405	2409	2415	rVB4	61560	105192	2.03%	0.125%
43	17.474	2442	2446	2454	rBV3	79918	145003	2.80%	0.173%
44	17.574	2460	2463	2470	rVB5	78883	147993	2.86%	0.176%
45	17.939	2522	2525	2527	rBV	64475	77395	1.49%	0.092%
46	17.968	2527	2530	2539	rVB4	375980	644831	12.45%	0.768%
47	18.068	2543	2547	2552	rVB	163293	216978	4.19%	0.259%
48	18.133	2553	2558	2563	rBV4	176825	387104	7.47%	0.461%
49	18.262	2578	2580	2583	rVB4	64402	55542	1.07%	0.066%
50	18.339	2590	2593	2597	rVB5	49570	56851	1.10%	0.068%
51	18.445	2609	2611	2614	rVB3	81486	80343	1.55%	0.096%
52	18.492	2615	2619	2625	rVB2	143939	191029	3.69%	0.228%
53	18.692	2651	2653	2657	rVB5	57500	58275	1.13%	0.069%
54	18.862	2678	2682	2687	rBV3	198359	353202	6.82%	0.421%
55	19.009	2702	2707	2713	rBV	270615	445650	8.60%	0.531%
56	19.127	2722	2727	2734	rVB	1859799	2492101	48.11%	2.969%
57	19.233	2742	2745	2746	rBV3	63852	74669	1.44%	0.089%
58	19.257	2746	2749	2751	rVV	267710	350350	6.76%	0.417%
59	19.280	2751	2753	2757	rVB	315425	338508	6.54%	0.403%
60	19.462	2779	2784	2787	rBV	2893690	4235578	81.77%	5.046%
61	19.492	2787	2789	2798	rVV	2180119	2901930	56.02%	3.457%
62	19.574	2798	2803	2807	rVV3	176395	316737	6.11%	0.377%
63	19.733	2827	2830	2835	rVB3	193553	310565	6.00%	0.370%
64	19.821	2840	2845	2855	rBV4	335114	908234	17.53%	1.082%
65	20.092	2888	2891	2894	rVB	132036	148492	2.87%	0.177%
66	20.145	2896	2900	2905	rVB2	386252	634665	12.25%	0.756%
67	20.286	2921	2924	2928	rBV	320590	402354	7.77%	0.479%
68	20.333	2930	2932	2937	rVB3	226061	257850	4.98%	0.307%
69	20.545	2965	2968	2971	rBV3	101797	173906	3.36%	0.207%
70	20.739	2998	3001	3008	rVB	452575	622202	12.01%	0.741%
71	20.903	3027	3029	3033	rVB2	272200	304131	5.87%	0.362%

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72	20.939	3033	3035	3038	rVV	218045	248943	4.81%	0.297%
73	20.980	3038	3042	3048	rVV3	684502	1027954	19.85%	1.225%
74	21.039	3049	3052	3058	rVB	326289	447007	8.63%	0.533%
75	21.256	3083	3089	3093	rBV3	2713352	5179844	100.00%	6.171%
76	21.298	3093	3096	3102	rVB	1263306	1629355	31.46%	1.941%
77	21.415	3113	3116	3117	rBV	246595	274808	5.31%	0.327%
78	21.803	3180	3182	3186	rVB	405044	484609	9.36%	0.577%
79	22.003	3213	3216	3219	rVB	226992	243577	4.70%	0.290%
80	22.821	3349	3355	3360	rBV	1902958	4328556	83.57%	5.157%
81	22.986	3379	3383	3395	rVB	607900	1057511	20.42%	1.260%
82	23.292	3430	3435	3439	rBV	968808	1712198	33.06%	2.040%
83	23.344	3439	3444	3447	rVV	1173742	2117507	40.88%	2.523%
84	23.386	3448	3451	3459	rVB	1380441	2322277	44.83%	2.767%
85	23.480	3462	3467	3472	rBV	1039496	1893823	36.56%	2.256%
86	25.715	3839	3847	3857	rVB2	770570	2270081	43.83%	2.705%
87	26.397	3958	3963	3972	rVB2	455948	1194268	23.06%	1.423%

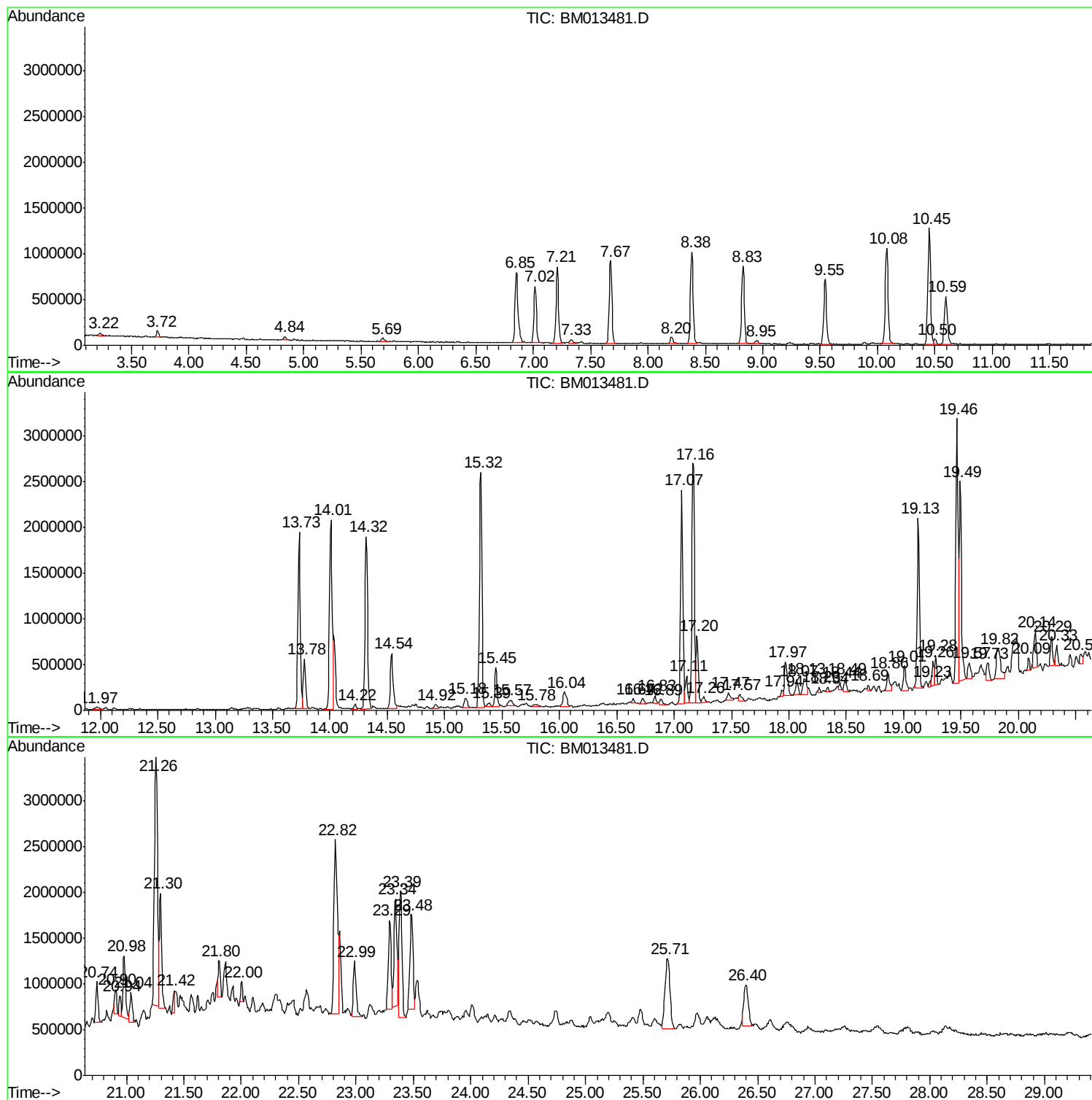
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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



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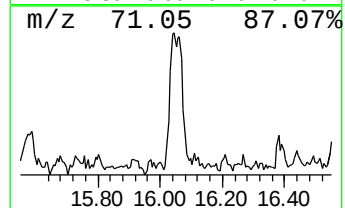
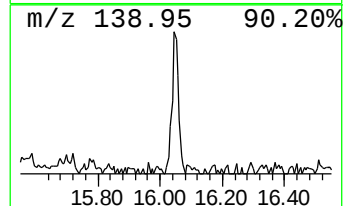
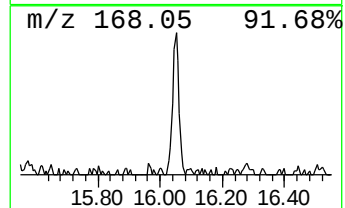
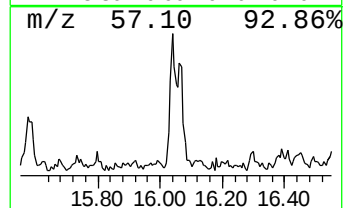
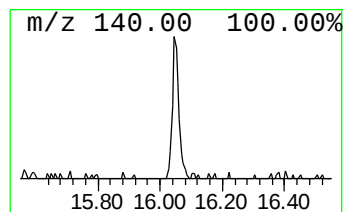
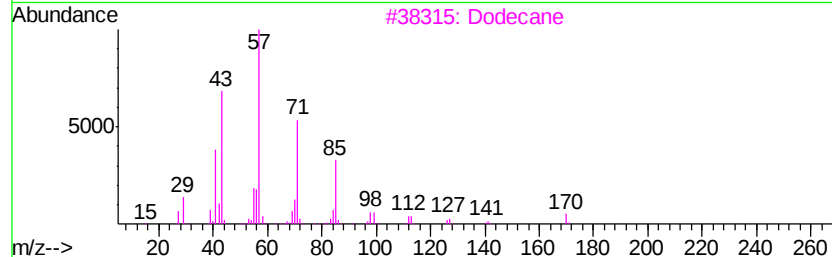
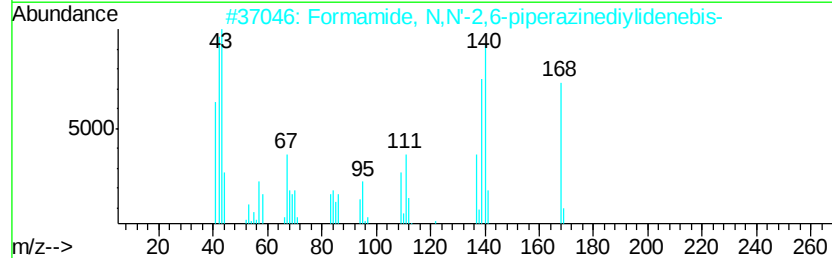
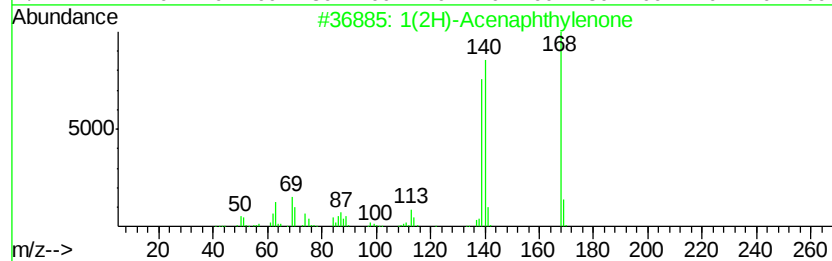
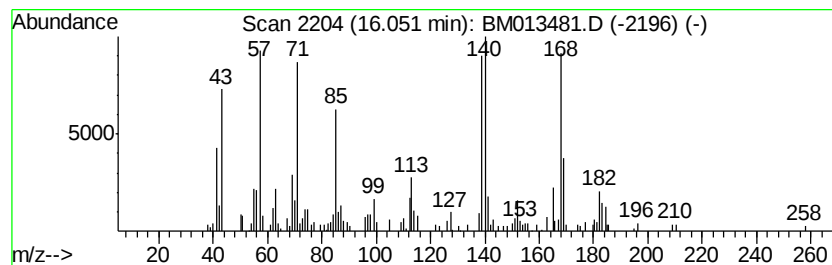
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 1(2H)-Acenaphthyleneone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.05	2.15 ng/ul	357825	Phenanthrene-d10	17.07		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1(2H)-Acenaphthyleneone	168	C12H8O	002235-15-6	50
2		Formamide, N,N'-2,6-piperazinedi...	168	C6H8N4O2	035975-28-1	46
3		Dodecane	170	C12H26	000112-40-3	35
4		Dodecane	170	C12H26	000112-40-3	30
5		2,4,6-Trihydroxytoluene	140	C7H8O3	000088-03-9	30



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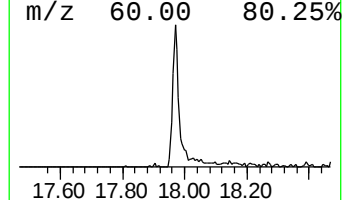
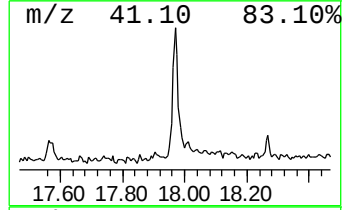
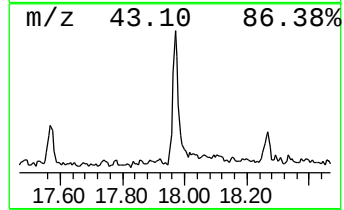
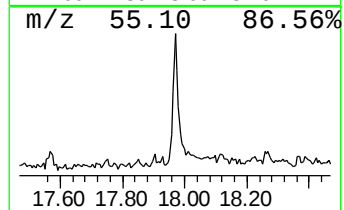
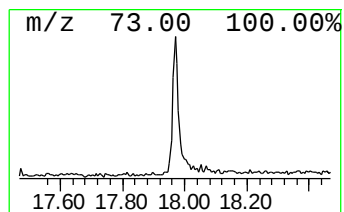
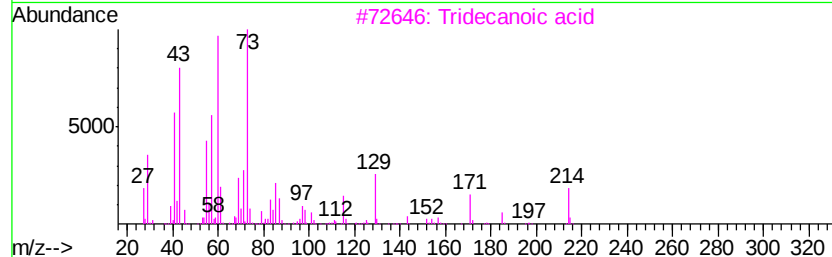
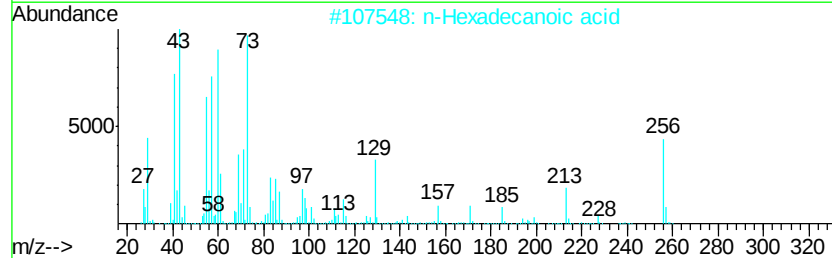
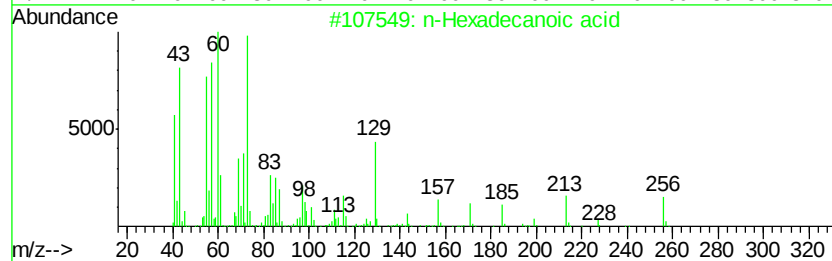
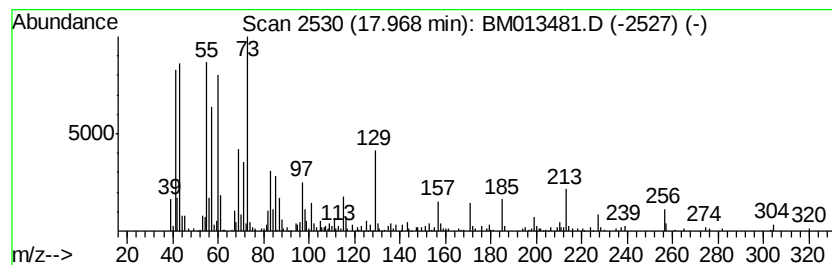
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.	
17.97	3.87 ng/ul	644831	Phenanthrene-d10		17.07	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	98
2	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	97
3	Tridecanoic acid		214	C13H26O2	000638-53-9	95
4	Tetradecanoic acid		228	C14H28O2	000544-63-8	89
5	Tetradecanoic acid		228	C14H28O2	000544-63-8	86



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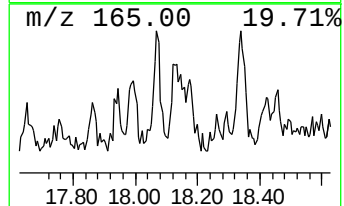
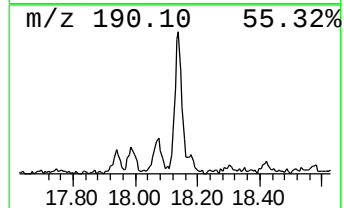
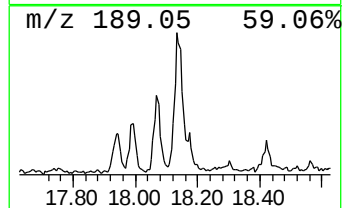
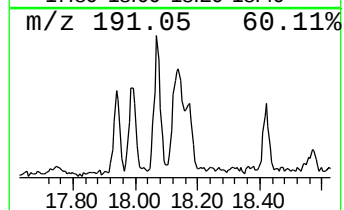
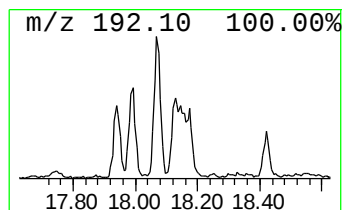
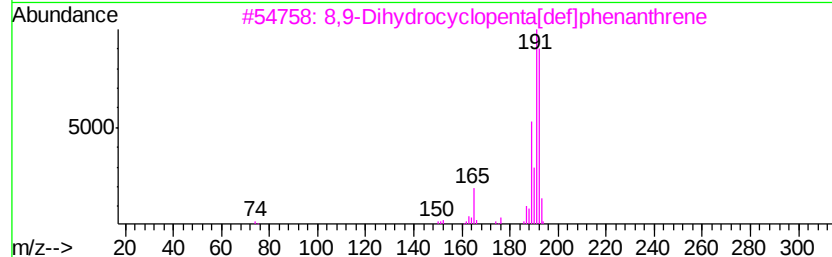
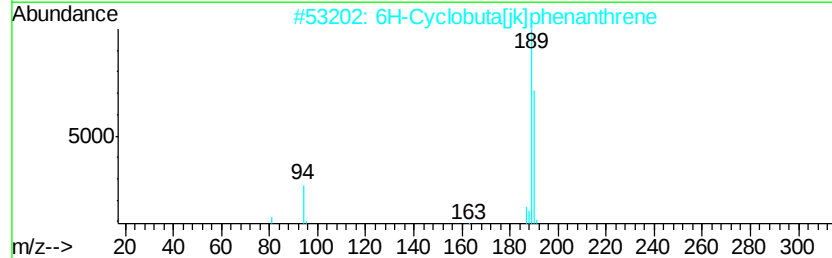
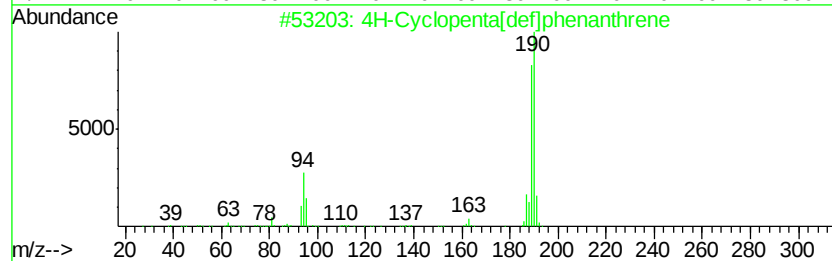
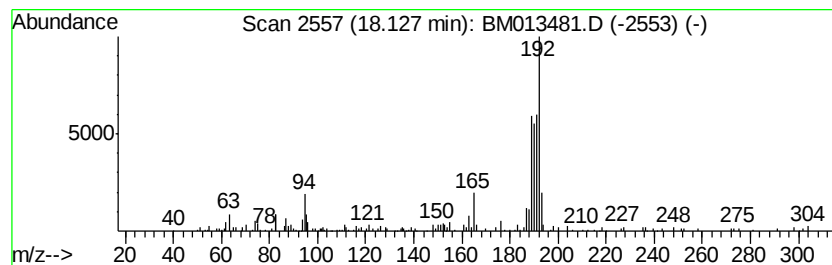
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Quant Title : SVOA CALIBRATION

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

Peak Number 3 unknown-01 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	2.33 ng/ul	387104	Phenanthrene-d10	17.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
2		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	46
3		8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	45
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42



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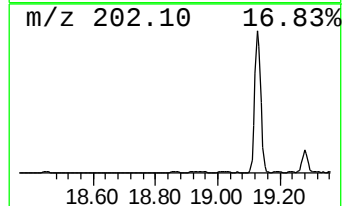
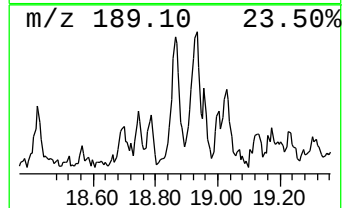
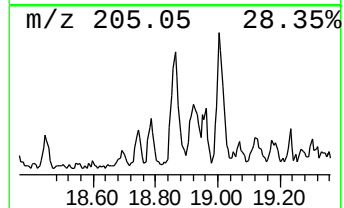
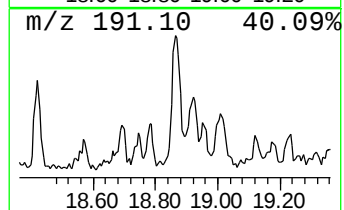
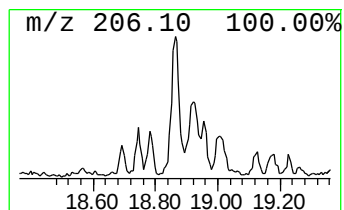
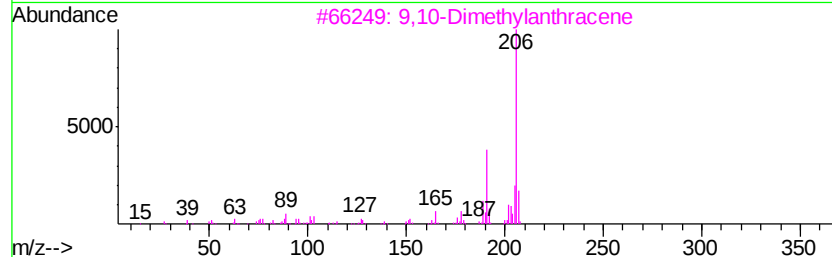
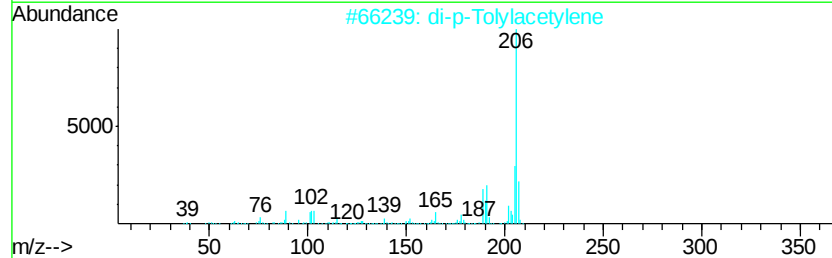
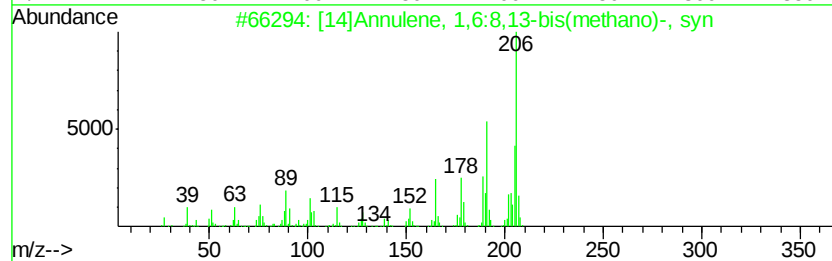
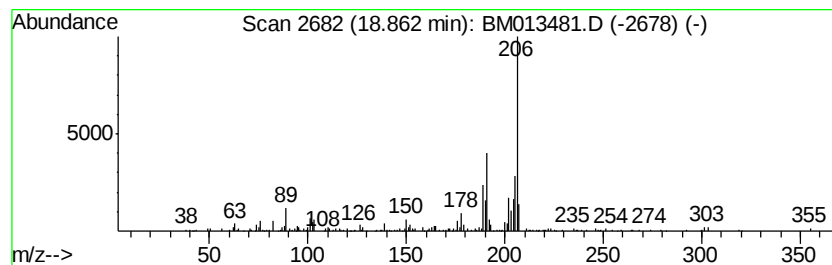
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 [14]Annulene, 1,6:8,13-bis(...) Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	2.12 ng/ul	353202	Phenanthrene-d10	17.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	86
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	81
3		9,10-Dimethylantracene	206	C16H14	000781-43-1	81
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	81
5		Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	74



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013481.D
Acq On : 16 Dec 2017 17:46
Operator : SJ/JU
Sample : I6778-10
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A75

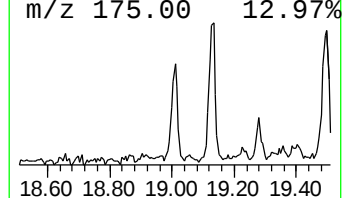
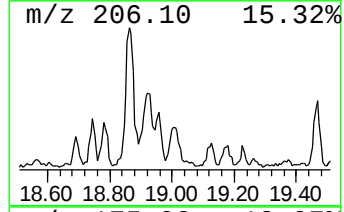
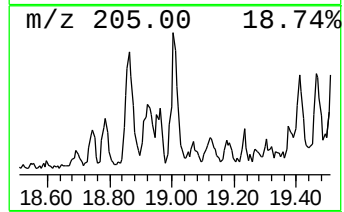
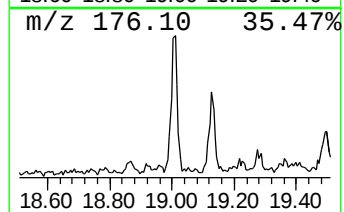
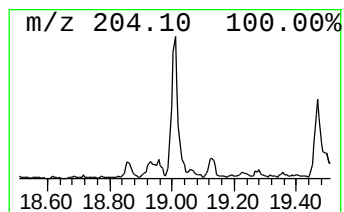
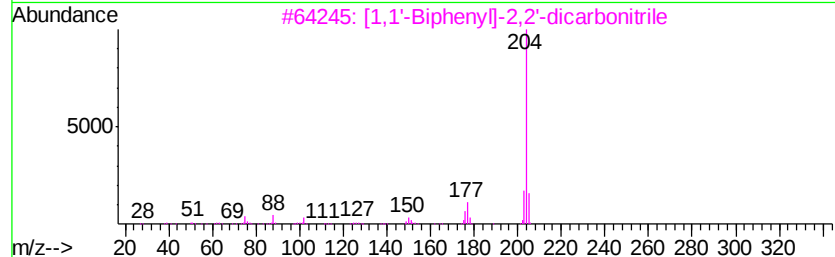
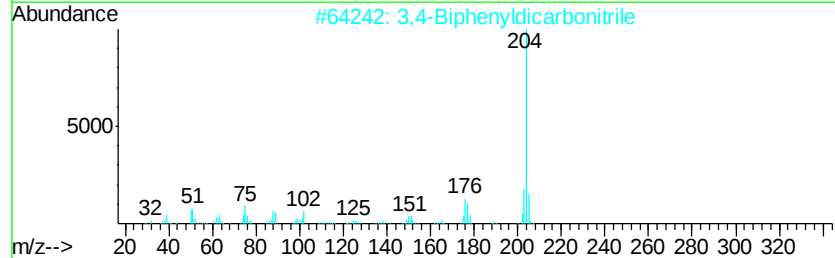
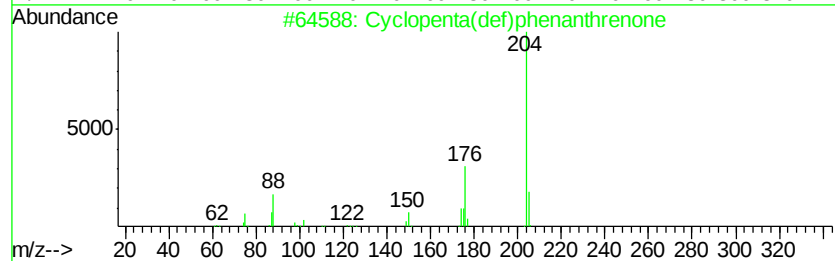
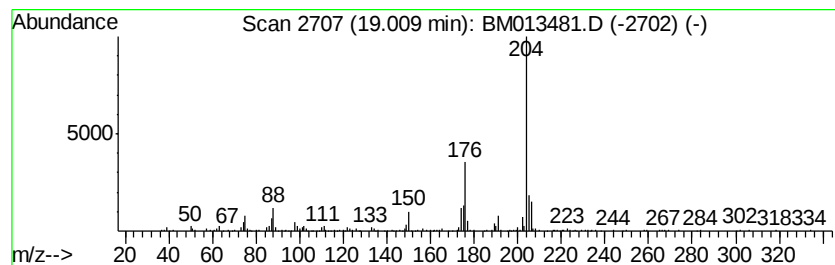
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.01	2.68 ng/ul	445650	Phenanthrene-d10	17.07

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	72
3		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	59
4		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	53
5		4-Methyl-6,7-methylenedioxycoumarin	204	C11H8O4	015071-04-2	50



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
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Operator : SJ/JU
Sample : I6778-10
Misc :
ALS Vial : 38 Sample Multiplier: 1

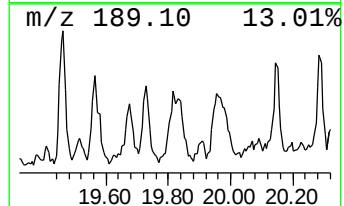
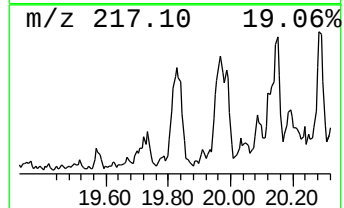
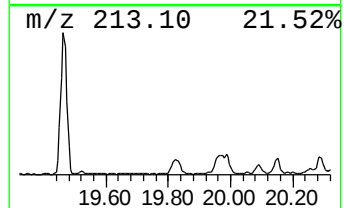
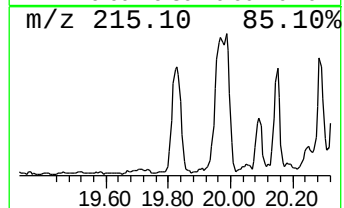
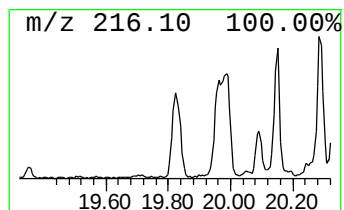
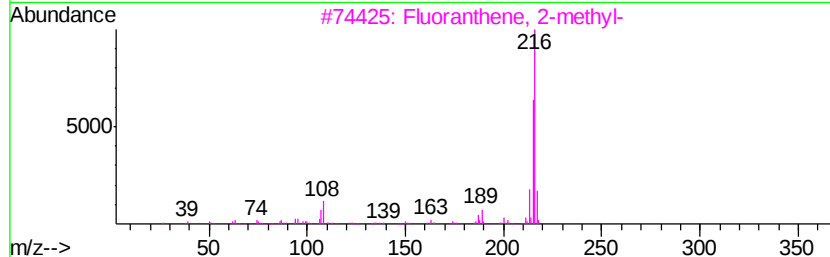
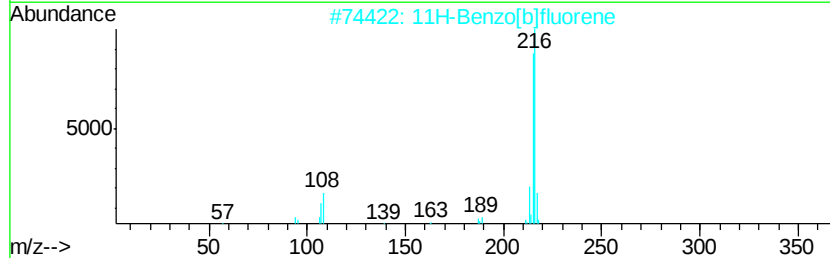
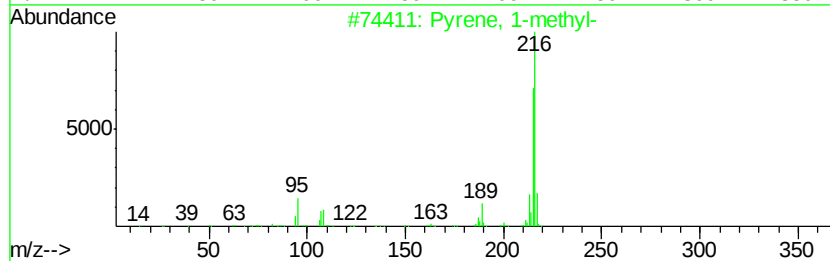
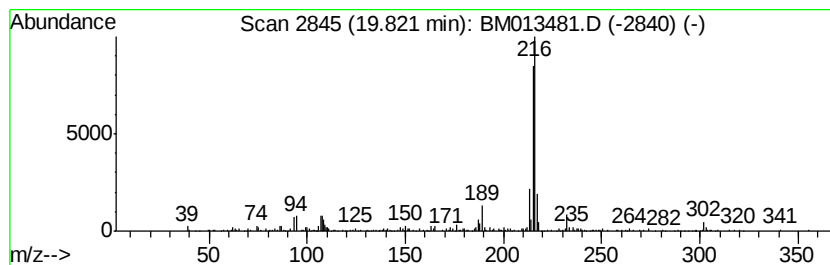
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.82	3.51 ng/ul	908234	Chrysene-d12	21.26	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013481.D
Acq On : 16 Dec 2017 17:46
Operator : SJ/JU
Sample : I6778-10
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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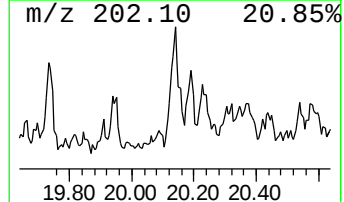
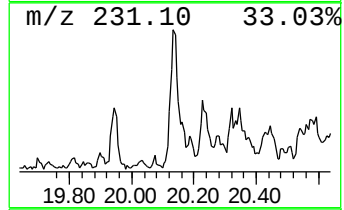
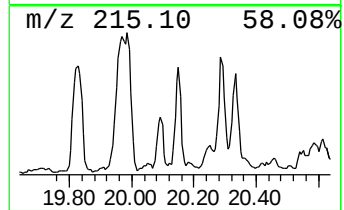
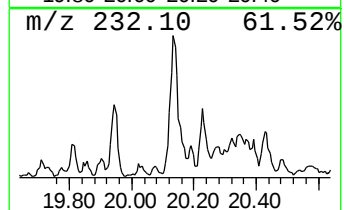
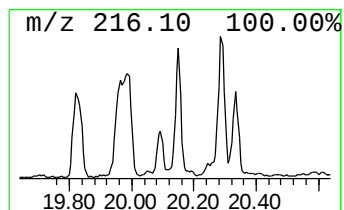
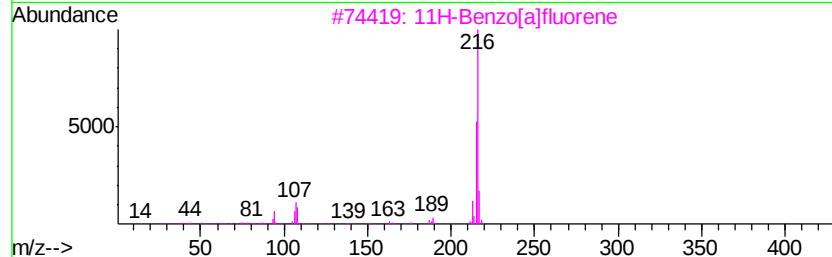
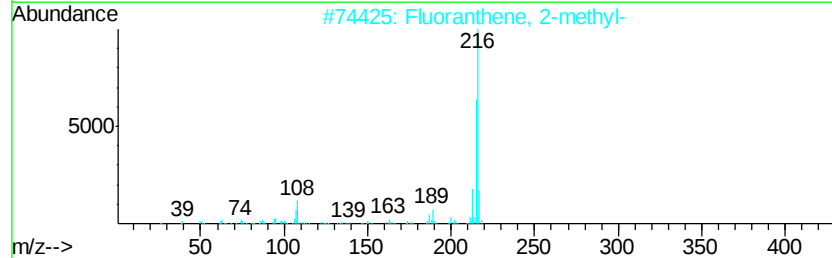
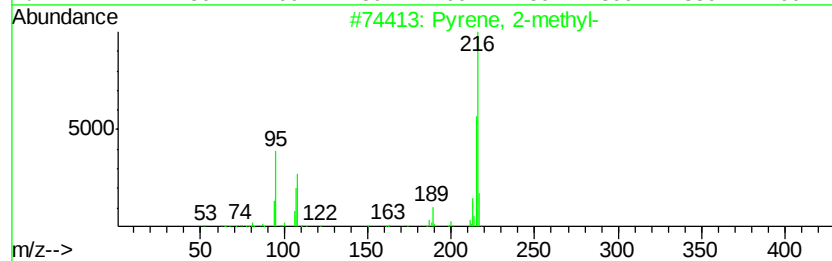
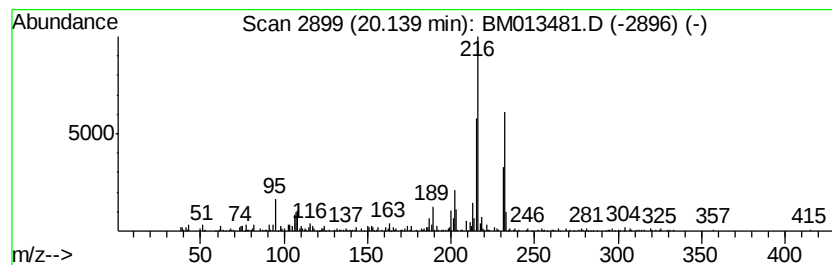
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Pyrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.14	2.45 ng/ul	634665	Chrysene-d12	21.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
4		Pyrene, 2-methyl-	216	C17H12	003442-78-2	68
5		Pyrene, 1-methyl-	216	C17H12	002381-21-7	64



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013481.D
Acq On : 16 Dec 2017 17:46
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Sample : I6778-10
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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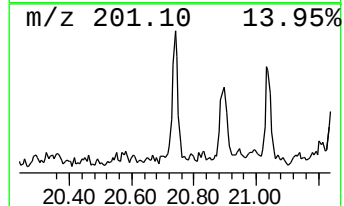
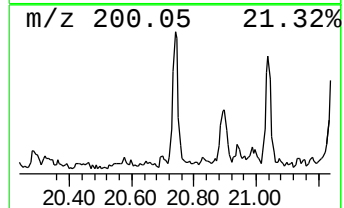
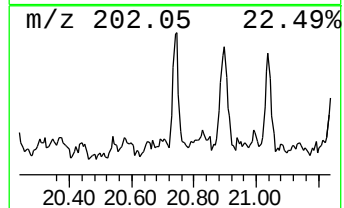
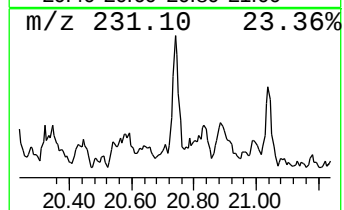
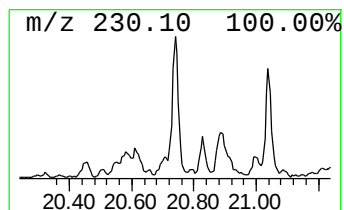
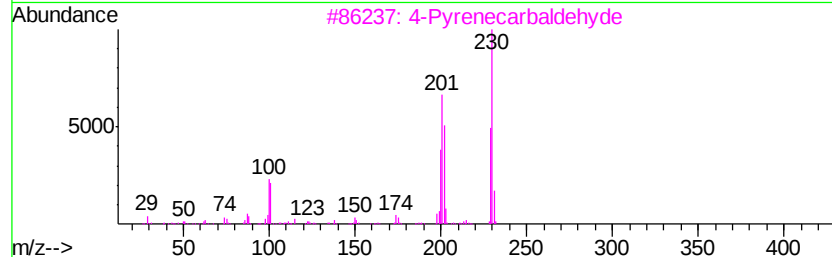
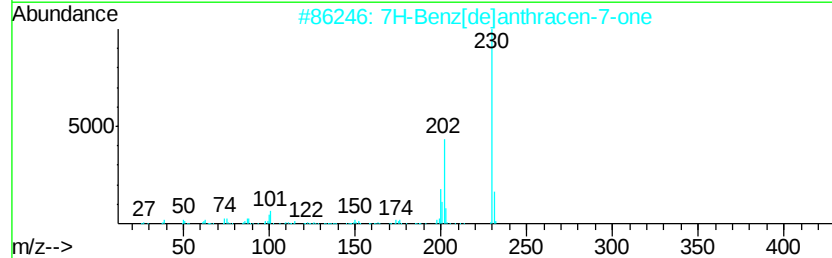
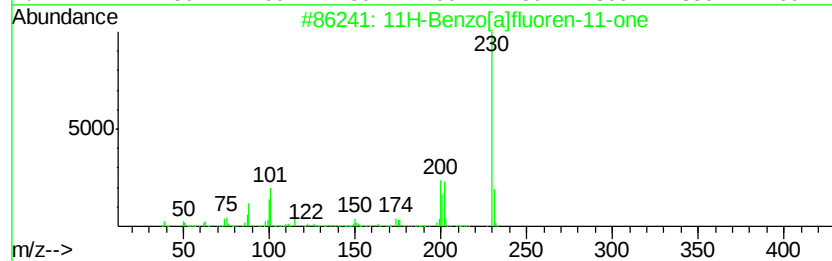
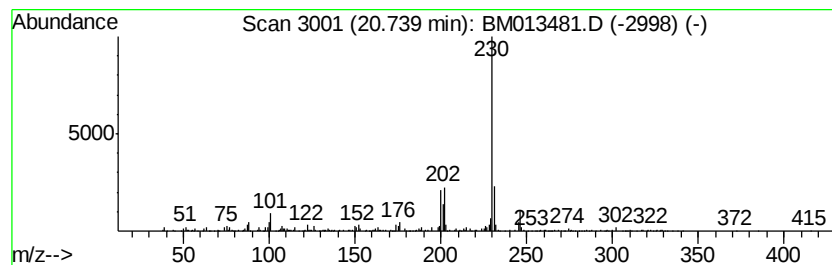
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 11H-Benzo[a]fluoren-11-one Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.74	2.40 ng/ul	622202	Chrysene-d12	21.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3		4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	81
4		1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	64
5		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	62



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
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Sample : I6778-10
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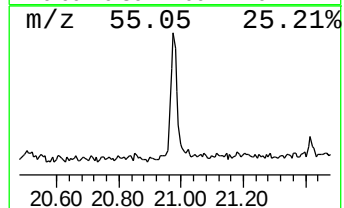
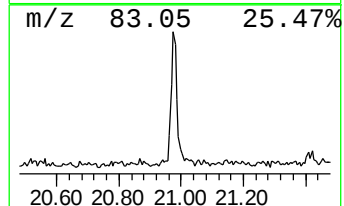
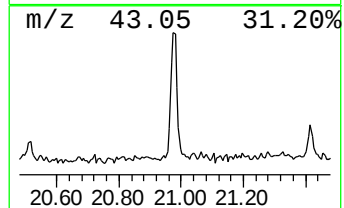
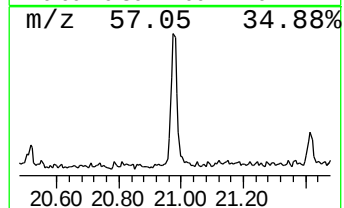
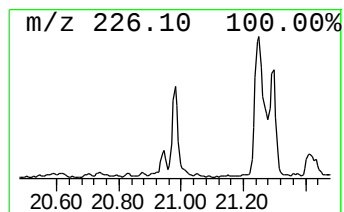
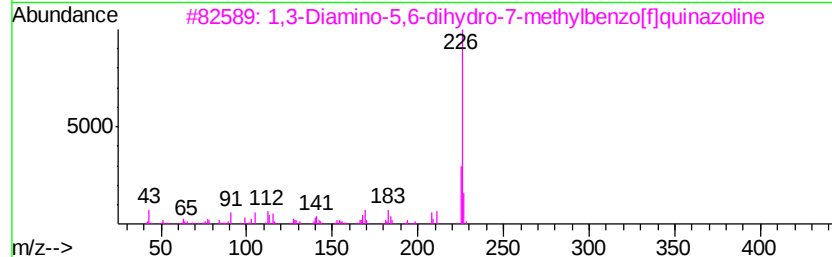
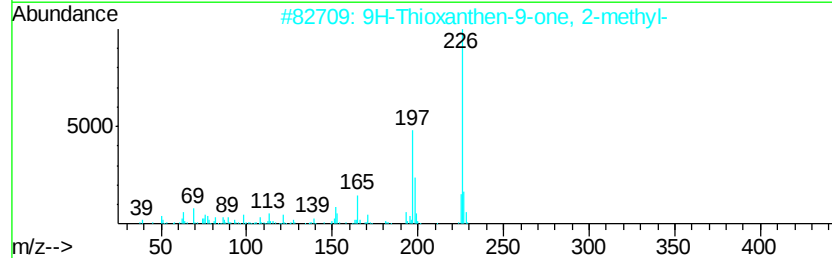
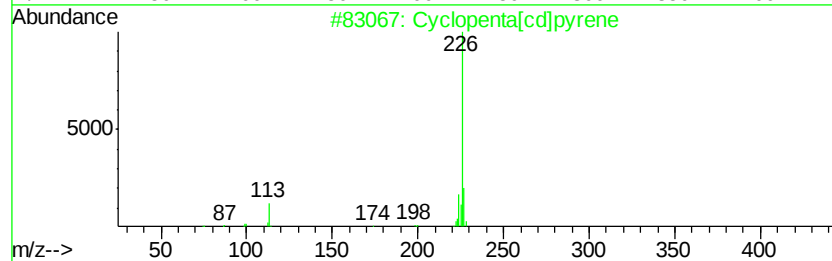
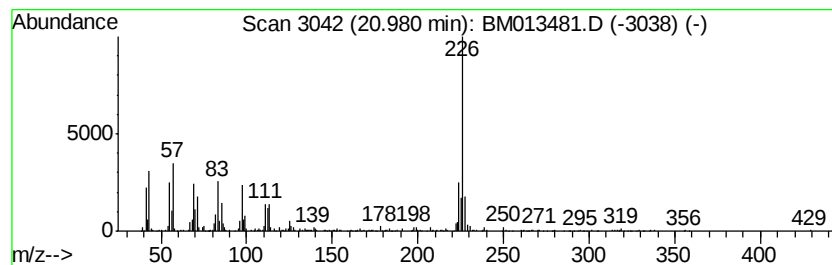
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

Peak Number 9 unknown-02 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.98	3.97 ng/ul	1027950	Chrysene-d12	21.26
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclopenta[cd]pyrene	226 C18H10	027208-37-3 49
2		9H-Thioxanthen-9-one, 2-methyl-	226 C14H10OS	015774-82-0 47
3		1,3-Diamino-5,6-dihydro-7-methyl...	226 C13H14N4	037436-37-6 43
4		Benzene, [4-(3-ethynylphenyl)-1,...	226 C18H10	1000115-87-3 38
5		Benzonitrile, 2-(5-methyl-2-thie...	226 C13H10N2S	315670-19-0 28



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013481.D
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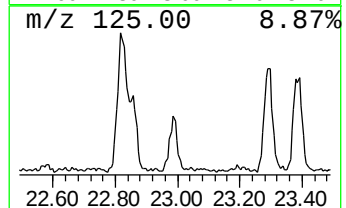
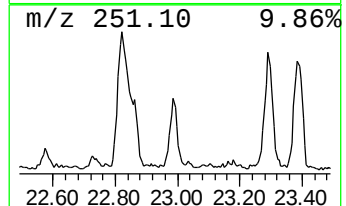
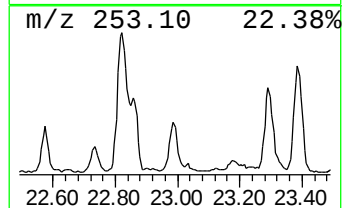
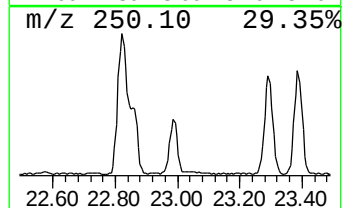
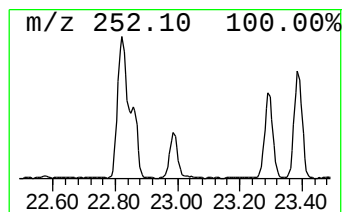
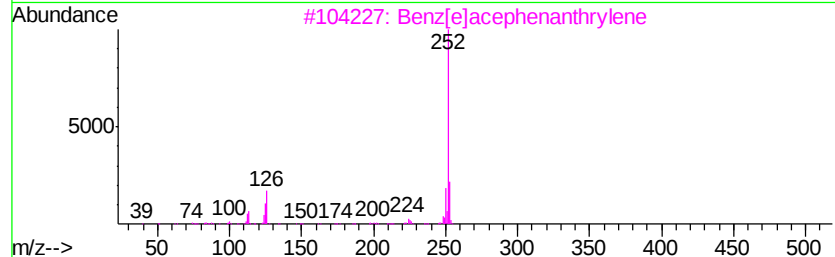
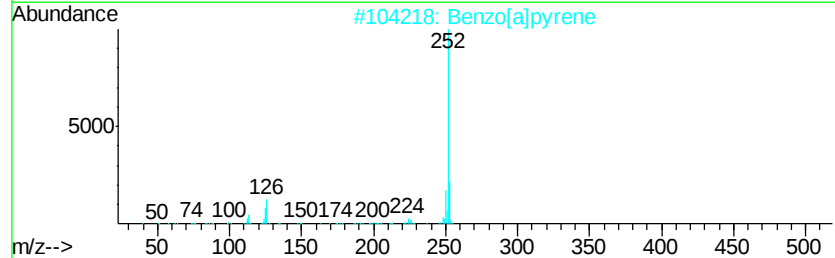
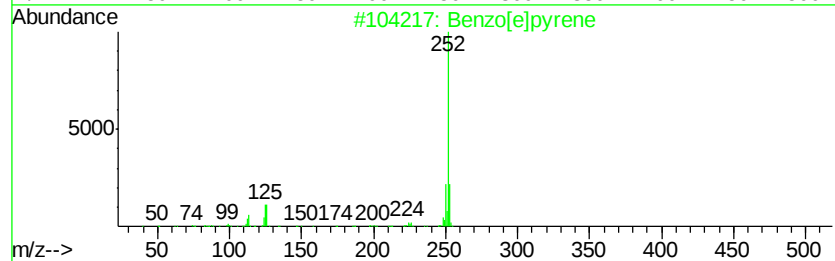
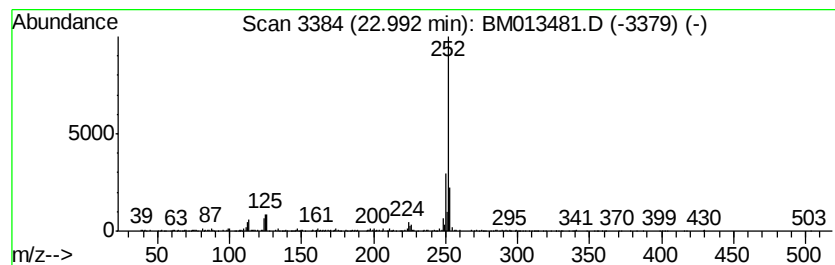
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.99	11.17 ng/ul	1057510	Perylene-d12	23.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2		Benzo[a]pyrene	252	C20H12	000050-32-8	90
3		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4		Perylene	252	C20H12	000198-55-0	81
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013481.D
Acq On : 16 Dec 2017 17:46
Operator : SJ/JU
Sample : I6778-10
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A75

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.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
1(2H)-Acenaphthyl...	16.05	2.1	ng/ul	357825	4	17.07	3328840	20.0
n-Hexadecanoic acid	17.97	3.9	ng/ul	644831	4	17.07	3328840	20.0
unknown-01	18.13	2.3	ng/ul	387104	4	17.07	3328840	20.0
[14]Annulene, 1,6...	18.86	2.1	ng/ul	353202	4	17.07	3328840	20.0
Cyclopenta(def)ph...	19.01	2.7	ng/ul	445650	4	17.07	3328840	20.0
Pyrene, 1-methyl-	19.82	3.5	ng/ul	908234	5	21.26	5179840	20.0
Pyrene, 2-methyl-	20.14	2.5	ng/ul	634665	5	21.26	5179840	20.0
11H-Benzo[a]fluor...	20.74	2.4	ng/ul	622202	5	21.26	5179840	20.0
unknown-02	20.98	4.0	ng/ul	1027950	5	21.26	5179840	20.0
Benzo[e]pyrene	22.99	11.2	ng/ul	1057510	6	23.48	1893820	20.0