

Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
 Data File : BM012593.D
 Acq On : 31 Oct 2017 03:00
 Operator : SJ/JU
 Sample : I5886-15
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ESNF3

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-BM102417.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	3.140	6	9	16	rVB	74414	101360	1.04%	0.076%
2	3.352	41	45	51	rVB	77890	105744	1.08%	0.079%
3	3.863	127	132	138	rVB	102251	135713	1.39%	0.101%
4	7.022	661	669	681	rBV2	1111918	2018484	20.63%	1.505%
5	7.187	691	697	705	rBV	910566	1386528	14.17%	1.033%
6	7.387	725	731	741	rVB	1166301	1903673	19.46%	1.419%
7	7.857	803	811	819	rVB	1242939	2014984	20.59%	1.502%
8	8.557	922	930	939	rBV	1277265	2024339	20.69%	1.509%
9	9.010	1000	1007	1015	rBV	1109945	1790704	18.30%	1.335%
10	9.728	1120	1129	1137	rBV	879041	1513024	15.46%	1.128%
11	10.269	1214	1221	1228	rVB	1385331	2296640	23.47%	1.712%
12	10.645	1276	1285	1291	rBV	1578613	2656988	27.15%	1.980%
13	10.692	1291	1293	1299	rVB	79280	115076	1.18%	0.086%
14	10.781	1301	1308	1322	rVV	824867	1512917	15.46%	1.128%
15	11.963	1504	1509	1515	rVB	78701	124920	1.28%	0.093%
16	12.304	1562	1567	1577	rVB	81723	128678	1.32%	0.096%
17	12.522	1599	1604	1611	rVB	74669	125553	1.28%	0.094%
18	13.804	1817	1822	1827	rBV2	93711	158350	1.62%	0.118%
19	13.892	1827	1837	1842	rBV	2305897	3188344	32.58%	2.377%
20	13.939	1842	1845	1849	rVB	104921	133319	1.36%	0.099%
21	14.175	1879	1885	1896	rBV	2532415	3934898	40.21%	2.933%
22	14.486	1929	1938	1944	rVV2	2160795	3380817	34.55%	2.520%
23	14.545	1944	1948	1955	rVB	282936	445761	4.56%	0.332%
24	14.686	1965	1972	1982	rBV	653450	1058797	10.82%	0.789%
25	14.886	2001	2006	2013	rVB	203676	371520	3.80%	0.277%
26	15.280	2066	2073	2076	rBV6	51368	110601	1.13%	0.082%
27	15.474	2097	2106	2112	rBV	3249515	4791092	48.96%	3.571%
28	15.533	2112	2116	2122	rVB	283408	401447	4.10%	0.299%
29	15.598	2122	2127	2134	rBV	672160	986369	10.08%	0.735%
30	15.698	2140	2144	2150	rBV4	46016	102289	1.05%	0.076%
31	15.839	2162	2168	2174	rVB2	440299	715125	7.31%	0.533%
32	15.969	2186	2190	2197	rVB	134185	263964	2.70%	0.197%
33	16.221	2225	2233	2243	rVB2	166876	419361	4.29%	0.313%
34	16.510	2274	2282	2283	rBV5	56899	113246	1.16%	0.084%

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35	16.763	2319	2325	2329	rBV3	79612	148051	1.51%	0.110%
36	16.880	2341	2345	2352	rVB	155914	241682	2.47%	0.180%
37	16.963	2354	2359	2360	rVV2	75701	106551	1.09%	0.079%
38	16.986	2360	2363	2367	rVV2	122854	210560	2.15%	0.157%
39	17.045	2369	2373	2381	rVB	166361	263627	2.69%	0.197%
40	17.121	2382	2386	2392	rBV2	105202	144082	1.47%	0.107%
41	17.227	2398	2404	2407	rVV2	2882386	3996613	40.85%	2.979%
42	17.268	2407	2411	2416	rVV	3142409	4304399	43.99%	3.208%
43	17.327	2416	2421	2425	rVV	3418397	5202005	53.16%	3.877%
44	17.357	2425	2426	2432	rVV	617775	607074	6.20%	0.452%
45	17.415	2432	2436	2441	rVB3	84897	144741	1.48%	0.108%
46	17.627	2463	2472	2477	rBV2	345496	637967	6.52%	0.476%
47	17.727	2485	2489	2491	rBV3	72500	105118	1.07%	0.078%
48	18.004	2532	2536	2542	rVB7	69625	118902	1.22%	0.089%
49	18.063	2542	2546	2548	rBV4	70524	99552	1.02%	0.074%
50	18.115	2548	2555	2558	rVV2	587358	1252426	12.80%	0.934%
51	18.145	2558	2560	2566	rVV	586385	780326	7.97%	0.582%
52	18.227	2570	2574	2579	rVB	176188	244262	2.50%	0.182%
53	18.298	2580	2586	2589	rBV3	514159	939069	9.60%	0.700%
54	18.333	2589	2592	2597	rVB	266038	355715	3.64%	0.265%
55	18.415	2601	2606	2609	rBV3	130876	206309	2.11%	0.154%
56	18.598	2633	2637	2641	rBV	287571	378937	3.87%	0.282%
57	18.639	2641	2644	2655	rVB	299574	434654	4.44%	0.324%
58	18.845	2676	2679	2683	rVB3	102346	125825	1.29%	0.094%
59	18.933	2691	2694	2698	rVB2	90760	112062	1.15%	0.084%
60	19.015	2704	2708	2712	rBV	207163	338420	3.46%	0.252%
61	19.157	2728	2732	2741	rBV	225022	347066	3.55%	0.259%
62	19.280	2746	2753	2760	rBV	5530730	7497642	76.63%	5.589%
63	19.392	2767	2772	2777	rBV3	267520	465113	4.75%	0.347%
64	19.615	2804	2810	2812	rBV2	5031075	7034290	71.89%	5.243%
65	19.645	2812	2815	2822	rVV	3882031	5219537	53.34%	3.890%
66	19.709	2823	2826	2833	rVB2	217298	346090	3.54%	0.258%
67	19.821	2841	2845	2851	rVB	244689	313354	3.20%	0.234%
68	19.880	2852	2855	2860	rVB	196986	258688	2.64%	0.193%
69	19.962	2864	2869	2871	rBV3	303786	509276	5.20%	0.380%
70	20.133	2895	2898	2908	rVB	585486	945424	9.66%	0.705%
71	20.233	2912	2915	2919	rVV	320462	380404	3.89%	0.284%

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72	20.292	2919	2925	2929	rVV2	419649	729485	7.46%	0.544%
73	20.333	2929	2932	2936	rVB2	145644	170596	1.74%	0.127%
74	20.433	2946	2949	2953	rBV	254705	327001	3.34%	0.244%
75	20.480	2954	2957	2961	rVV	291616	372336	3.81%	0.278%
76	20.539	2964	2967	2972	rVB2	222595	271319	2.77%	0.202%
77	20.880	3021	3025	3032	rVB	438911	615889	6.29%	0.459%
78	21.086	3057	3060	3062	rBV	386085	462979	4.73%	0.345%
79	21.115	3062	3065	3071	rVV3	538981	1106868	11.31%	0.825%
80	21.174	3072	3075	3083	rVB2	511609	724074	7.40%	0.540%
81	21.398	3106	3113	3117	rBV3	4885203	9784765	100.00%	7.293%
82	21.433	3117	3119	3129	rVB	2933357	3507511	35.85%	2.614%
83	21.551	3136	3139	3145	rBV	478677	705357	7.21%	0.526%
84	21.709	3163	3166	3172	rBV3	422542	641091	6.55%	0.478%
85	23.003	3380	3386	3392	rBV	3020923	7755502	79.26%	5.781%
86	23.497	3465	3470	3474	rBV	1475593	2692154	27.51%	2.007%
87	23.550	3474	3479	3483	rVV2	3294844	6105487	62.40%	4.551%
88	23.597	3483	3487	3495	rVB	2368727	4271440	43.65%	3.184%
89	23.697	3498	3504	3509	rBV	2651413	4954916	50.64%	3.693%
90	26.027	3895	3900	3911	rVB	1396272	3616052	36.96%	2.695%

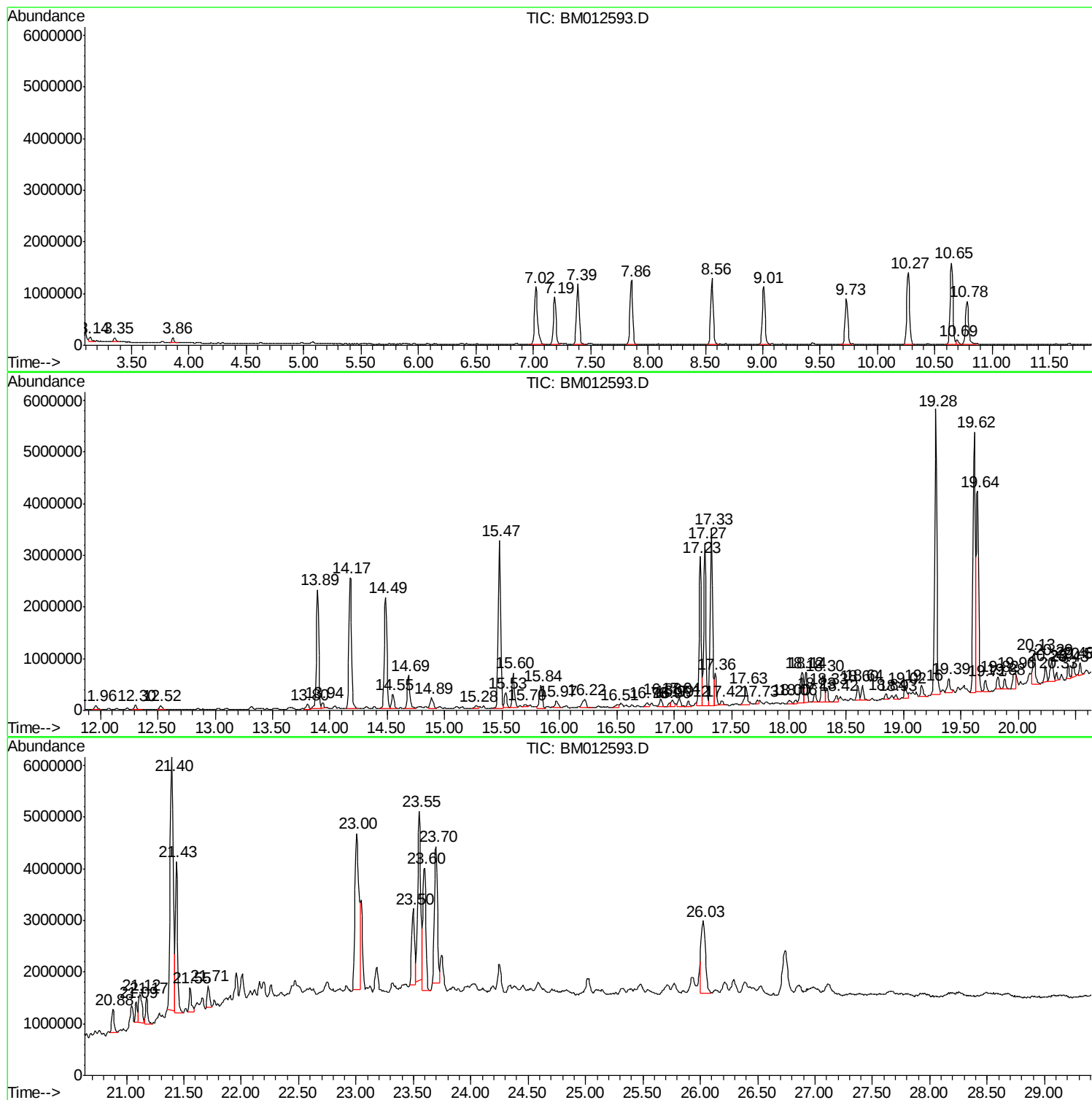
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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



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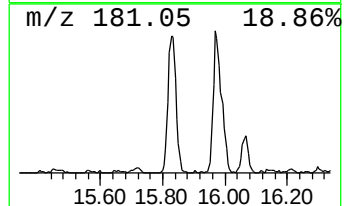
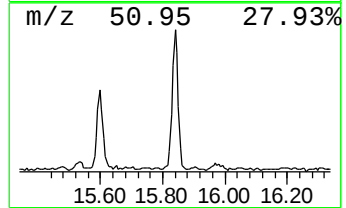
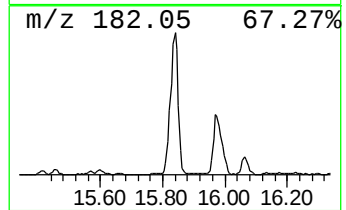
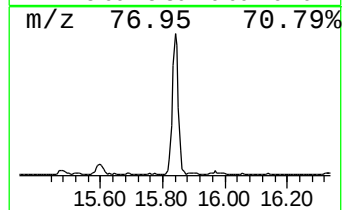
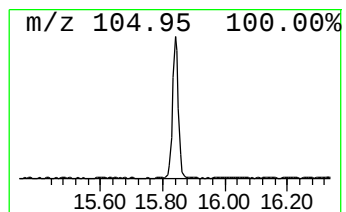
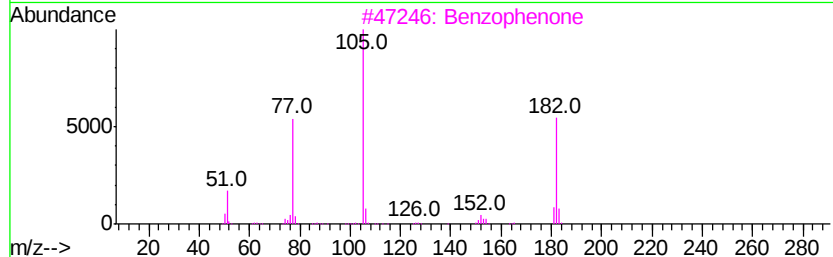
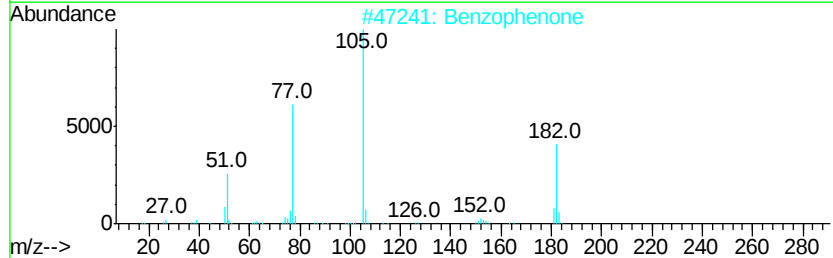
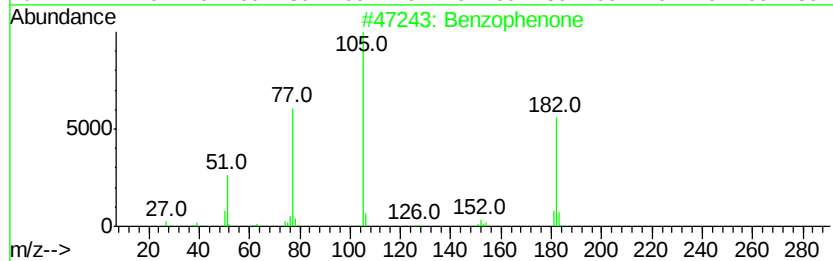
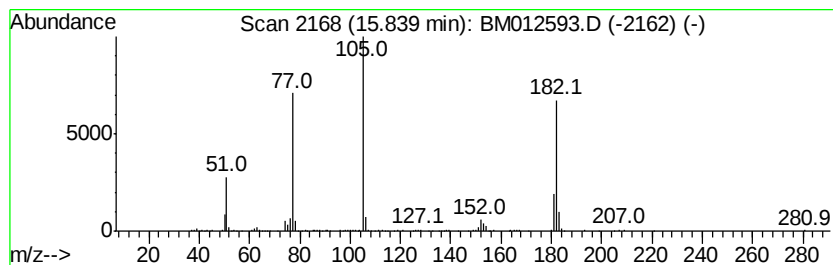
Instrument :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.84	4.23 ng/ul	715125	Acenaphthene-d10	14.49
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzophenone	182 C13H10O	000119-61-9	94
2	Benzophenone	182 C13H10O	000119-61-9	94
3	Benzophenone	182 C13H10O	000119-61-9	93
4	Benzophenone	182 C13H10O	000119-61-9	91
5	Benzophenone	182 C13H10O	000119-61-9	81



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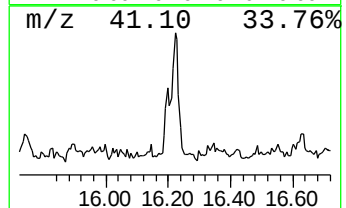
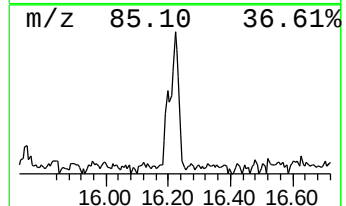
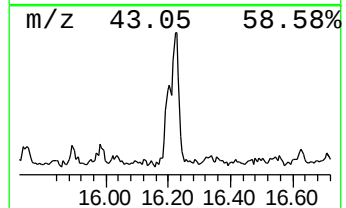
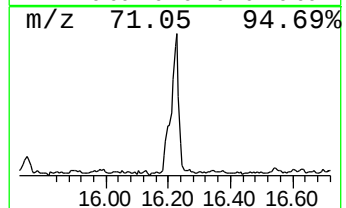
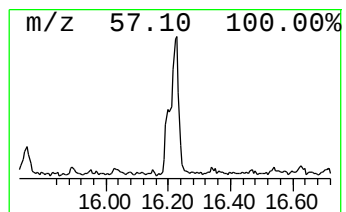
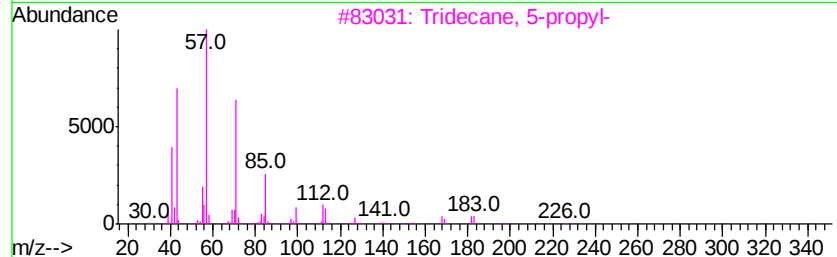
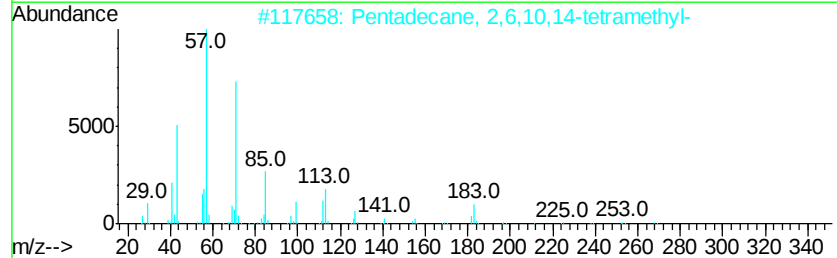
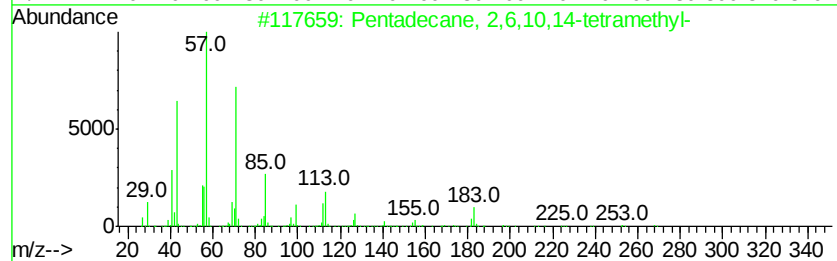
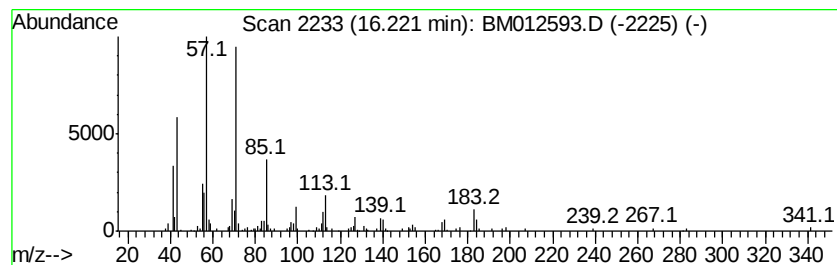
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.22	2.10 ng/ul	419361	Phenanthrene-d10	17.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	87
2		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	86
3		Tridecane, 5-propyl-	226	C16H34	055045-11-9	72
4		Tridecane, 7-methyl-	198	C14H30	026730-14-3	70
5		Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	64



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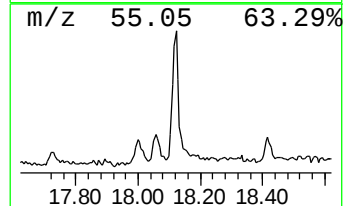
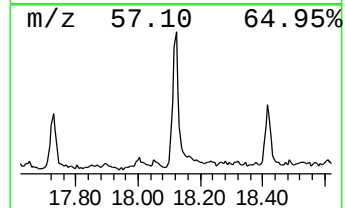
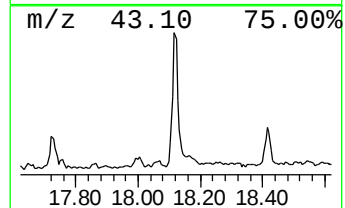
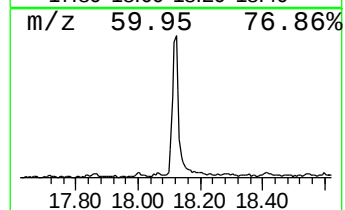
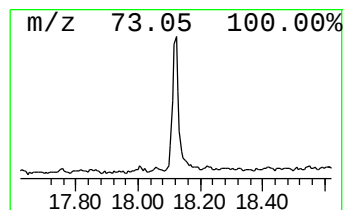
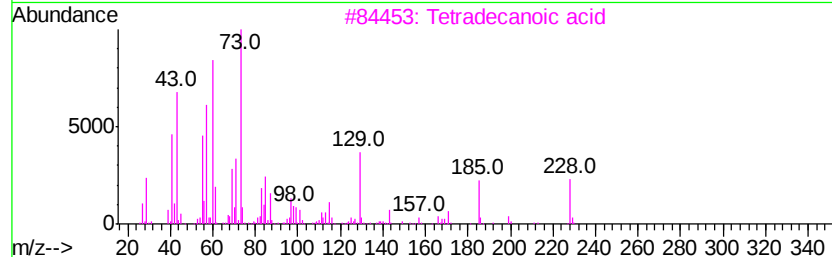
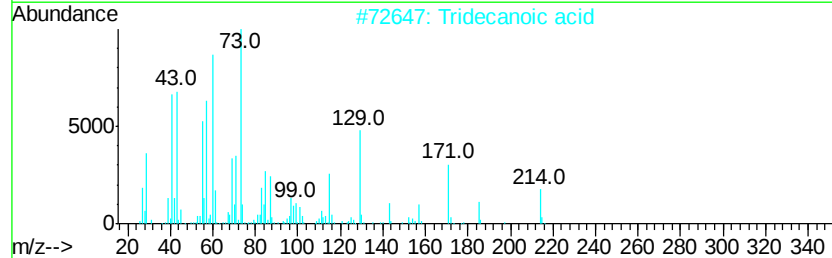
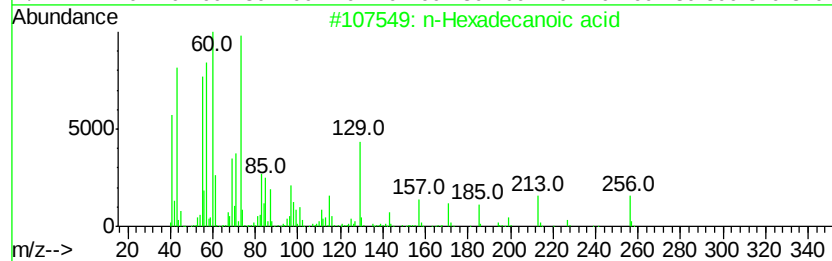
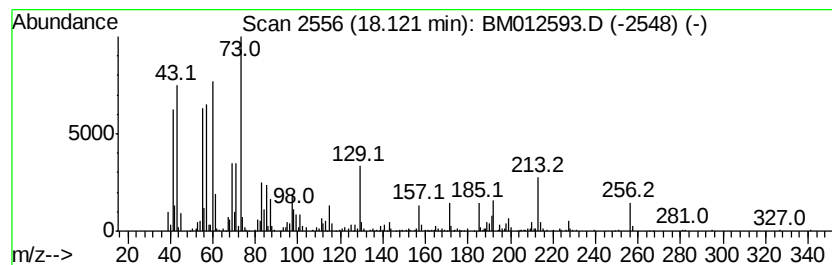
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.12	6.27 ng/ul	1252430	Phenanthrene-d10	17.23		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2		Tridecanoic acid	214	C13H26O2	000638-53-9	90
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	89
4		Tridecanoic acid	214	C13H26O2	000638-53-9	64
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	56



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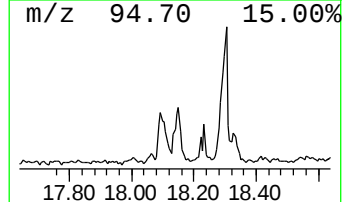
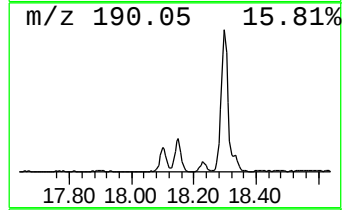
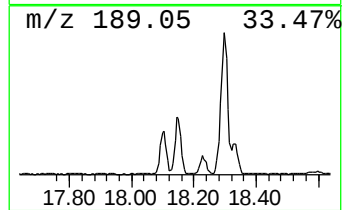
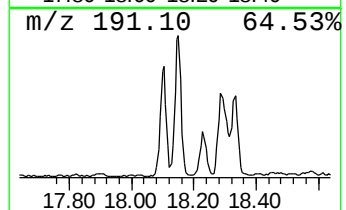
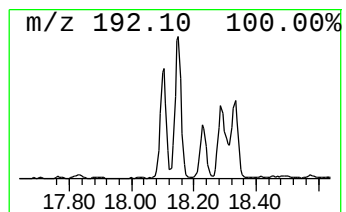
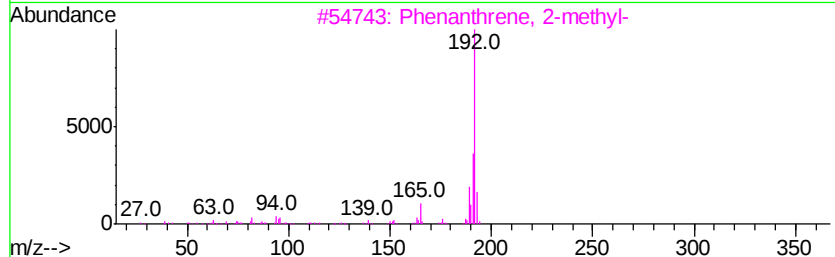
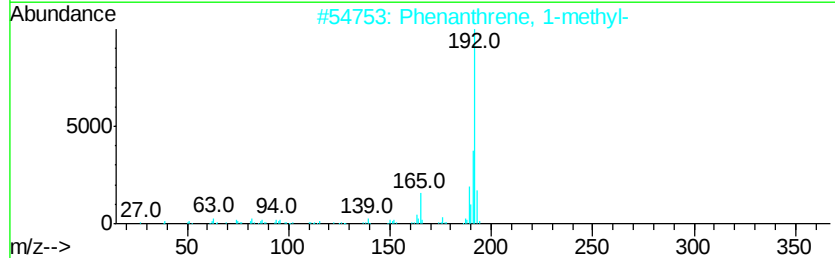
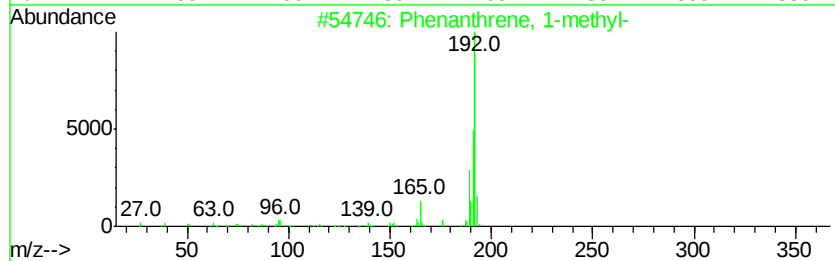
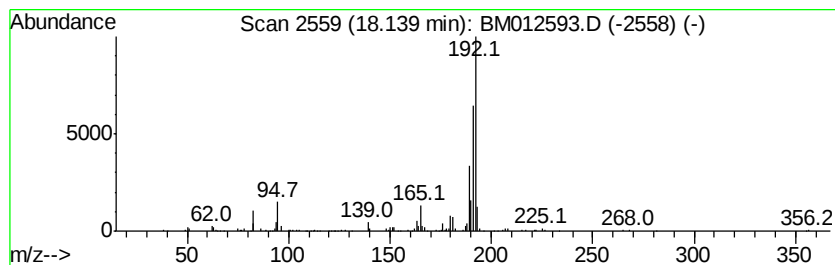
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	3.90 ng/ul	780326	Phenanthrene-d10	17.23

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97	
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95	
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93	
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93	
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93	



Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
Data File : BM012593.D
Acq On : 31 Oct 2017 03:00
Operator : SJ/JU
Sample : I5886-15
Misc :
ALS Vial : 25 Sample Multiplier: 1

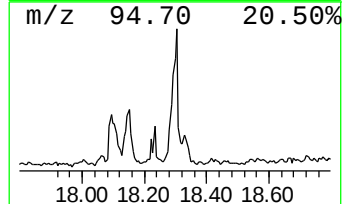
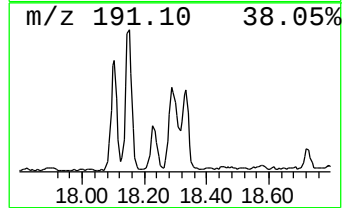
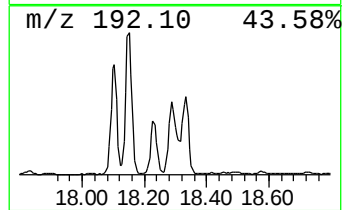
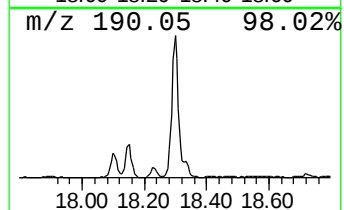
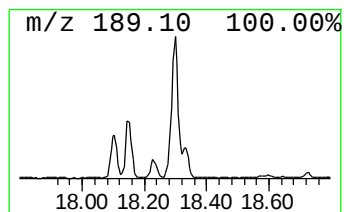
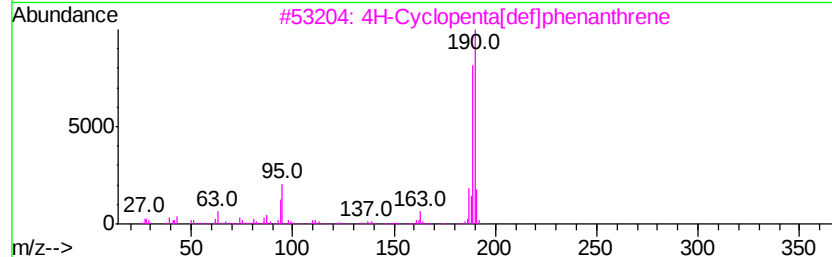
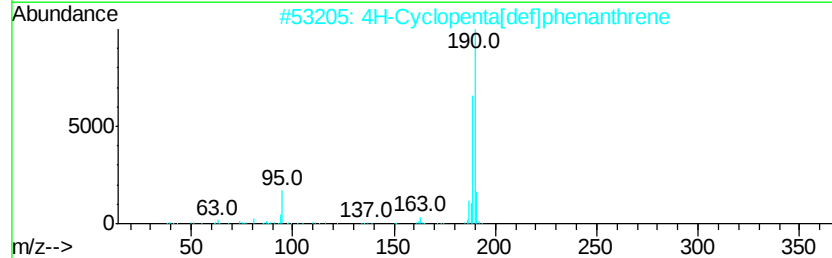
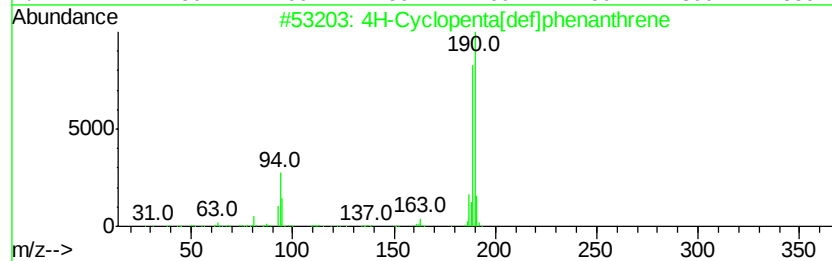
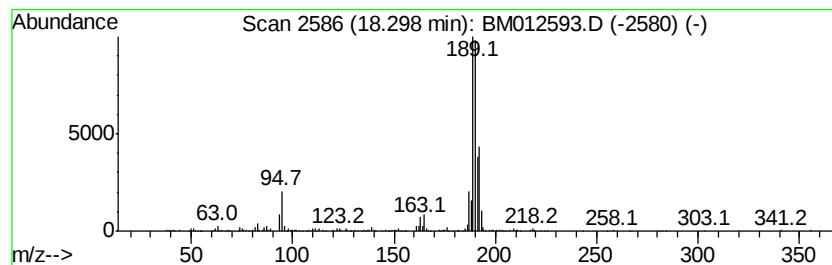
Instrument :
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ClientSampleId :
ESNF3

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD		R.T.	
18.30	4.70 ng/ul	939069	Phenanthrene-d10		17.23	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
4		6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	50
5		Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	47



Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
Data File : BM012593.D
Acq On : 31 Oct 2017 03:00
Operator : SJ/JU
Sample : I5886-15
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ESNF3

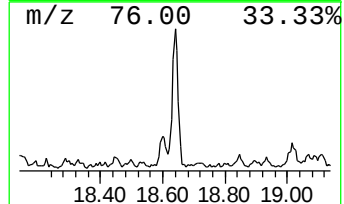
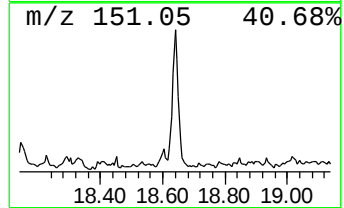
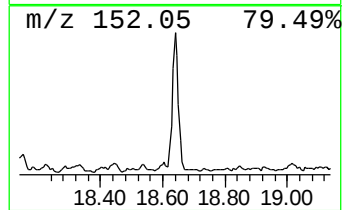
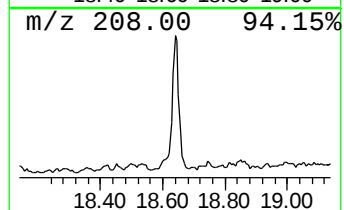
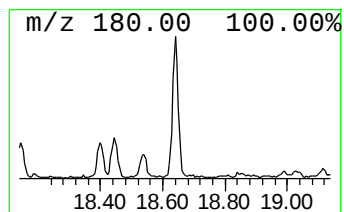
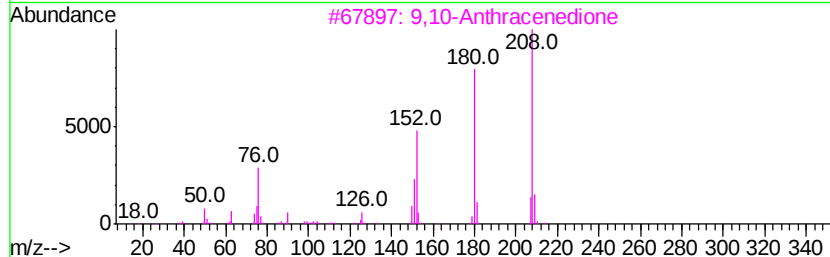
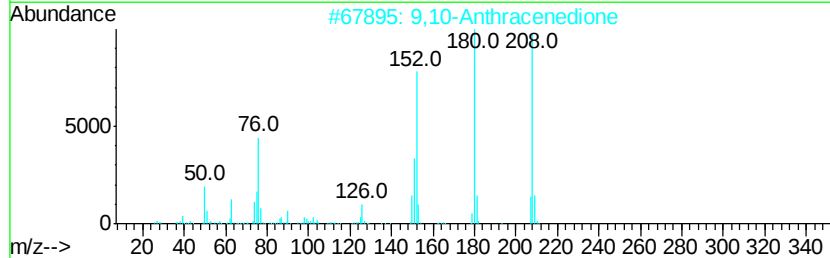
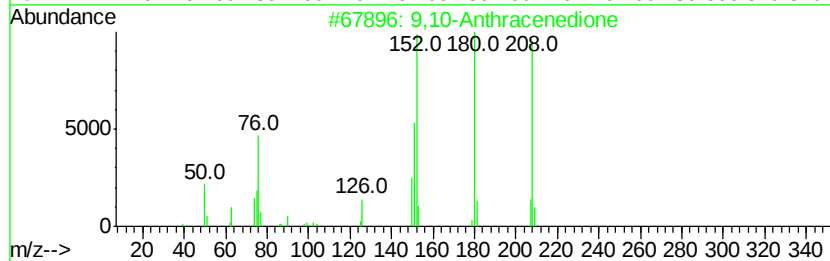
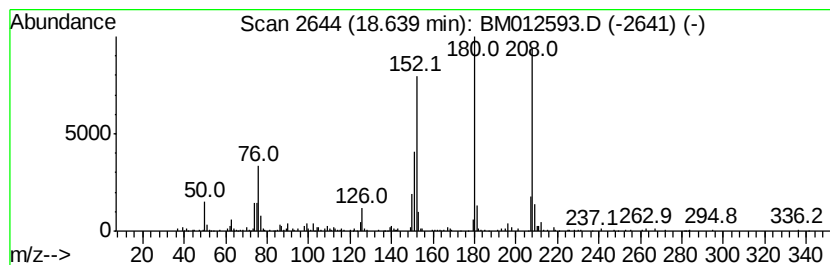
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	2.18 ng/ul	434654	Phenanthrene-d10	17.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2			9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3			9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
5			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83



Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
Data File : BM012593.D
Acq On : 31 Oct 2017 03:00
Operator : SJ/JU
Sample : I5886-15
Misc :
ALS Vial : 25 Sample Multiplier: 1

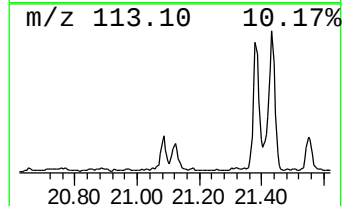
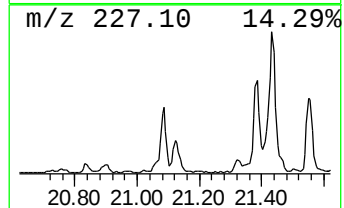
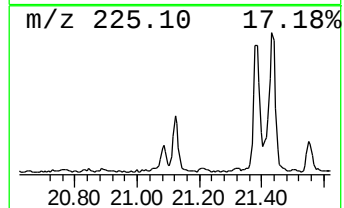
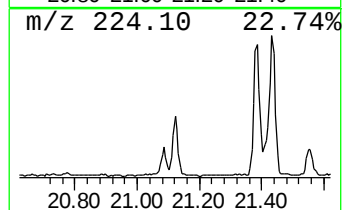
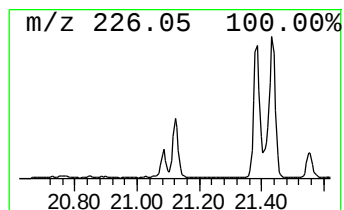
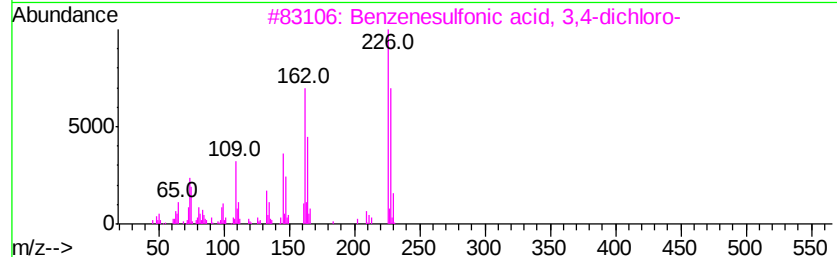
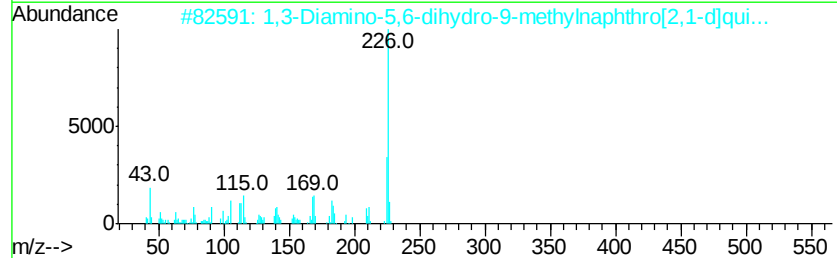
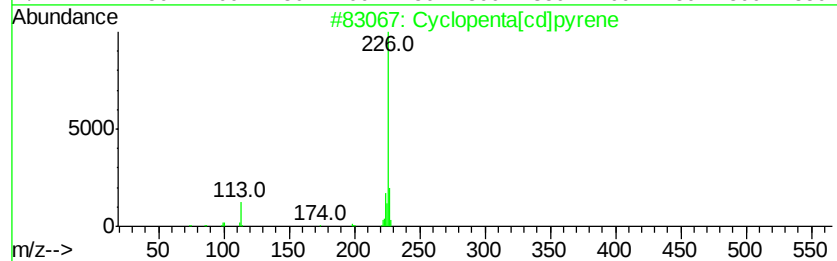
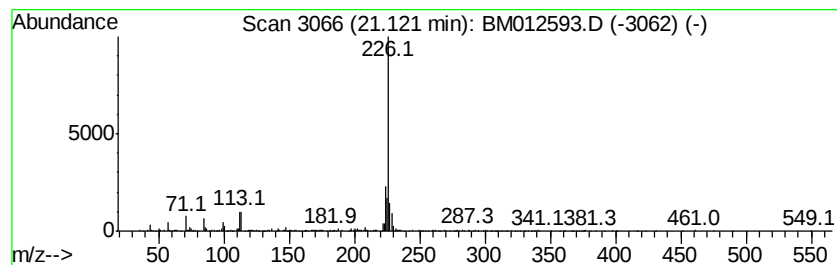
Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

Peak Number 7 Cyclopenta[cd]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.12	2.26 ng/ul	1106870	Chrysene-d12	21.40
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclopenta[cd]pyrene	226 C18H10	027208-37-3 53
2		1,3-Diamino-5,6-dihydro-9-methyl...	226 C13H14N4	037436-39-8 47
3		Benzenesulfonic acid, 3,4-dichloro-	226 C6H4Cl2O3S	000939-95-7 43
4		Diheptylisobutylamine	269 C18H39N	1000310-32-0 40
5		1,1,3,3-Tetrachloro-1,3-disilacy...	224 C2H4Cl4Si2	002146-97-6 28



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM103017\
Data File : BM012593.D
Acq On : 31 Oct 2017 03:00
Operator : SJ/JU
Sample : I5886-15
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ESNF3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.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
Benzophenone	15.84	4.2	ng/ul	715125	3	14.49	3380820	20.0
(DEL) Alkane: Str...	16.22	2.1	ng/ul	419361	4	17.23	3996610	20.0
n-Hexadecanoic acid	18.12	6.3	ng/ul	1252430	4	17.23	3996610	20.0
Phenanthrene, 1-m...	18.14	3.9	ng/ul	780326	4	17.23	3996610	20.0
4H-Cyclopenta[def...	18.30	4.7	ng/ul	939069	4	17.23	3996610	20.0
9,10-Anthracenedione	18.64	2.2	ng/ul	434654	4	17.23	3996610	20.0
Cyclopenta[cd]pyrene	21.12	2.3	ng/ul	1106870	5	21.40	9784770	20.0