

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
 Data File : BM012843.D
 Acq On : 09 Nov 2017 08:31
 Operator : SJ/JU
 Sample : I6096-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-76(1-3)-102317

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-BM110417MA.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	3.804	118	122	129	rBV	35835	46597	1.57%	0.125%
2	6.981	656	662	676	rBV	200230	355623	11.96%	0.952%
3	7.140	681	689	698	rBV	135374	217019	7.30%	0.581%
4	7.340	716	723	733	rBB	207599	329564	11.09%	0.882%
5	7.804	795	802	810	rBV	543649	848114	28.53%	2.270%
6	8.516	917	923	937	rBB	245870	404363	13.60%	1.082%
7	8.963	992	999	1008	rBV	179876	301339	10.14%	0.806%
8	9.681	1115	1121	1128	rBV	171614	277935	9.35%	0.744%
9	10.222	1207	1213	1223	rBV	297841	511737	17.22%	1.370%
10	10.592	1269	1276	1282	rBV	780832	1260135	42.40%	3.372%
11	10.639	1282	1284	1291	rVB	23027	32132	1.08%	0.086%
12	10.733	1293	1300	1309	rBV	210011	373373	12.56%	0.999%
13	11.910	1493	1500	1509	rBB	73598	112453	3.78%	0.301%
14	13.851	1824	1830	1834	rBV	653341	893117	30.05%	2.390%
15	13.898	1834	1838	1847	rVB	279782	373166	12.56%	0.999%
16	14.133	1872	1878	1893	rVB	592586	936360	31.50%	2.506%
17	14.445	1923	1931	1939	rBV2	1185903	1773829	59.68%	4.747%
18	14.668	1962	1969	1979	rBV	296667	507624	17.08%	1.359%
19	14.863	2000	2002	2009	rVB4	38101	50253	1.69%	0.134%
20	15.439	2093	2100	2106	rBV	932733	1324186	44.55%	3.544%
21	15.580	2119	2124	2129	rBV	57917	79655	2.68%	0.213%
22	15.798	2153	2161	2168	rBV	558514	778114	26.18%	2.082%
23	16.157	2215	2222	2230	rBV5	20998	42057	1.41%	0.113%
24	16.851	2336	2340	2345	rVB	48557	69032	2.32%	0.185%
25	16.945	2347	2356	2359	rVV5	30608	59510	2.00%	0.159%
26	17.004	2363	2366	2372	rVV	22023	35757	1.20%	0.096%
27	17.092	2376	2381	2387	rBV6	15323	37056	1.25%	0.099%
28	17.192	2392	2398	2402	rBV	1487678	2081237	70.02%	5.570%
29	17.233	2402	2405	2409	rVB	481802	607340	20.43%	1.625%
30	17.286	2409	2414	2419	rBV	1318543	1943575	65.39%	5.201%
31	17.386	2425	2431	2435	rBV3	17935	38715	1.30%	0.104%
32	17.592	2459	2466	2469	rBV2	52407	97798	3.29%	0.262%
33	17.686	2478	2482	2490	rVB5	45430	86784	2.92%	0.232%
34	17.768	2492	2496	2502	rVB8	23934	43695	1.47%	0.117%

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35	17.868	2508	2513	2517	rBV	114569	157180	5.29%	0.421%
36	18.080	2537	2549	2552	rBV2	310911	610071	20.53%	1.633%
37	18.109	2552	2554	2564	rVV	172863	303674	10.22%	0.813%
38	18.198	2564	2569	2574	rVV	135387	219384	7.38%	0.587%
39	18.262	2574	2580	2583	rVV3	157837	308624	10.38%	0.826%
40	18.298	2583	2586	2590	rVB	85735	122819	4.13%	0.329%
41	18.380	2595	2600	2604	rBV2	93024	166633	5.61%	0.446%
42	18.462	2611	2614	2617	rBV3	39317	63442	2.13%	0.170%
43	18.533	2621	2626	2629	rVV2	221918	355407	11.96%	0.951%
44	18.562	2629	2631	2636	rVB	105558	132744	4.47%	0.355%
45	18.615	2636	2640	2644	rBV3	105222	153036	5.15%	0.410%
46	18.803	2665	2672	2677	rBV2	474140	662672	22.30%	1.773%
47	18.862	2680	2682	2686	rBV2	34115	40949	1.38%	0.110%
48	18.933	2689	2694	2698	rVB	146344	241961	8.14%	0.648%
49	18.986	2699	2703	2705	rBV	82034	123264	4.15%	0.330%
50	19.086	2716	2720	2724	rVB2	91179	132897	4.47%	0.356%
51	19.127	2724	2727	2733	rBV2	66785	107322	3.61%	0.287%
52	19.250	2743	2748	2753	rVB	1139949	1486537	50.01%	3.978%
53	19.298	2753	2756	2761	rVB2	310077	386949	13.02%	1.036%
54	19.362	2763	2767	2770	rBV2	203098	278486	9.37%	0.745%
55	19.492	2786	2789	2792	rVB	83354	88330	2.97%	0.236%
56	19.586	2799	2805	2808	rBV	1988987	2972229	100.00%	7.954%
57	19.615	2808	2810	2818	rVB	1076390	1208118	40.65%	3.233%
58	19.768	2832	2836	2846	rBV3	211480	410790	13.82%	1.099%
59	19.992	2871	2874	2877	rBV2	114211	125031	4.21%	0.335%
60	20.027	2877	2880	2883	rVB	172603	197756	6.65%	0.529%
61	20.245	2914	2917	2920	rBV4	187944	273532	9.20%	0.732%
62	21.056	3052	3055	3056	rBV	190371	188522	6.34%	0.505%
63	21.374	3103	3109	3113	rBV2	1634170	2825293	95.06%	7.561%
64	21.409	3113	3115	3120	rVB	609139	667607	22.46%	1.787%
65	22.980	3378	3382	3393	rVB	682003	1965003	66.11%	5.259%
66	23.521	3469	3474	3478	rBV2	1121032	1891682	63.65%	5.063%
67	23.662	3493	3498	3503	rBV	921247	1568710	52.78%	4.198%

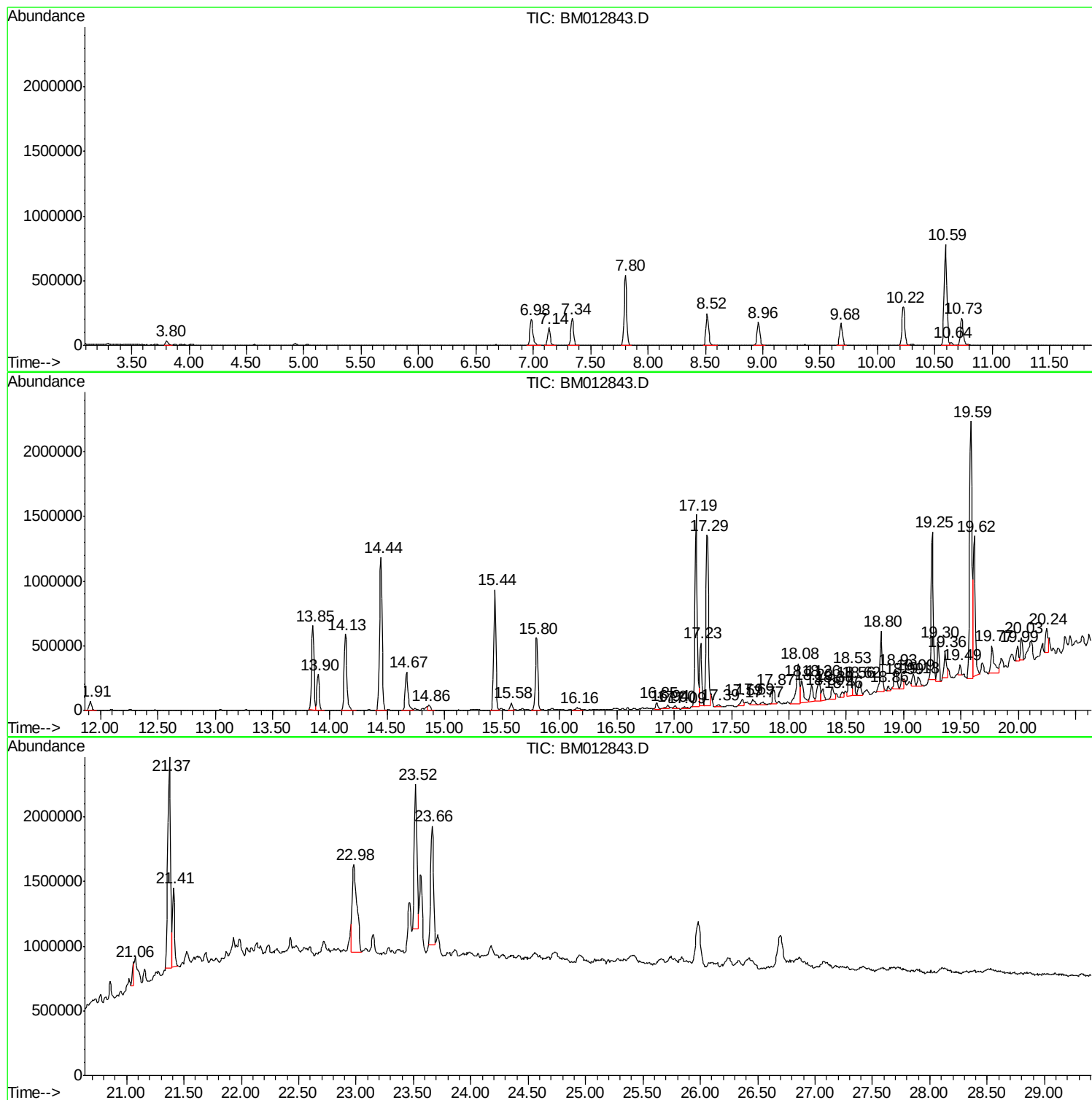
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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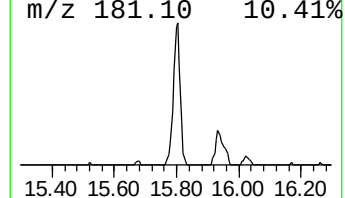
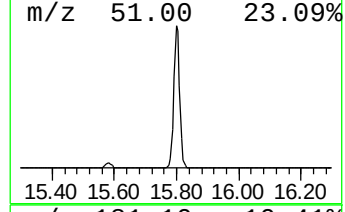
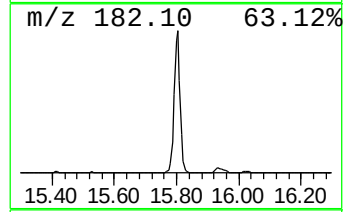
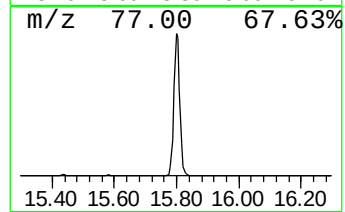
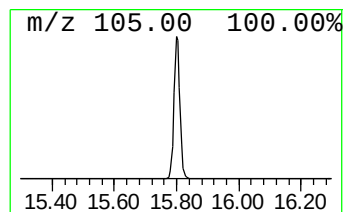
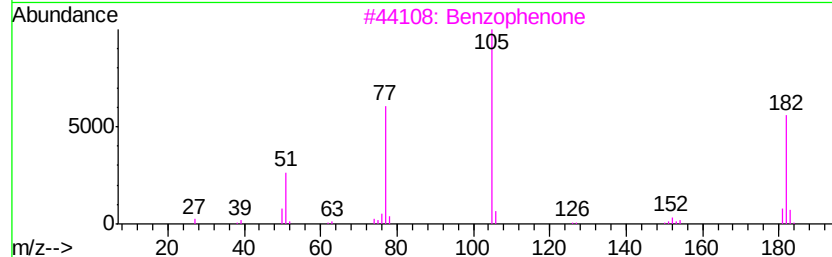
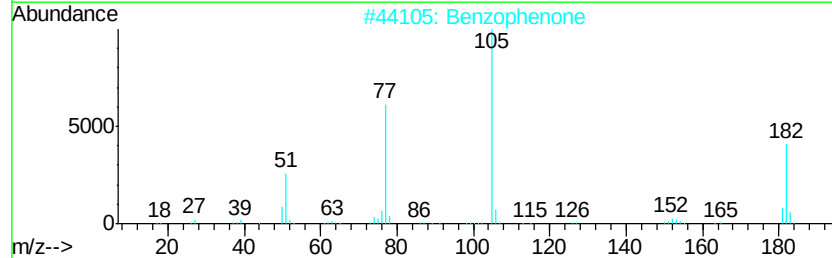
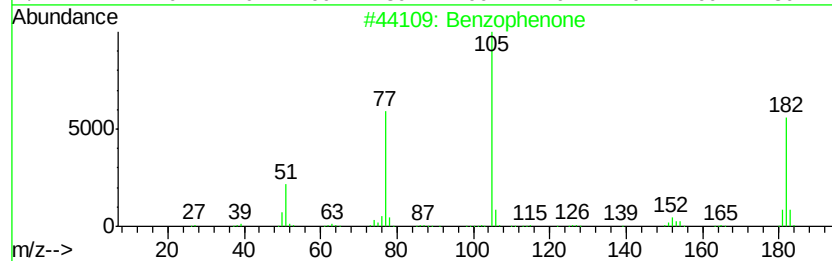
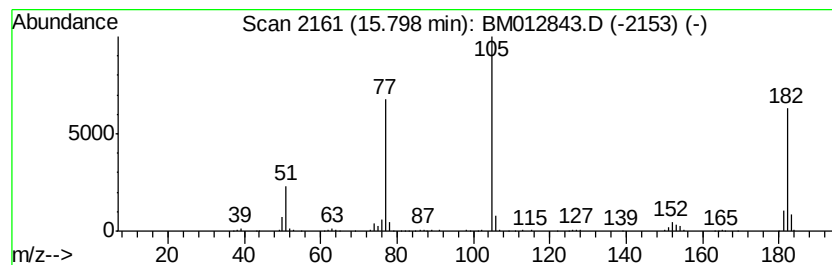
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	8.77 ng/ul	778114	Acenaphthene-d10	14.44
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzophenone	182 C13H10O	000119-61-9	96
2	Benzophenone	182 C13H10O	000119-61-9	96
3	Benzophenone	182 C13H10O	000119-61-9	96
4	Benzophenone	182 C13H10O	000119-61-9	95
5	Benzophenone	182 C13H10O	000119-61-9	94



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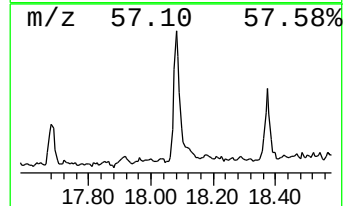
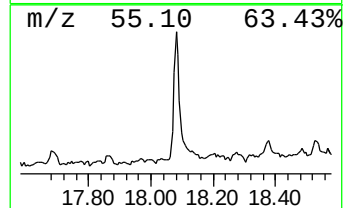
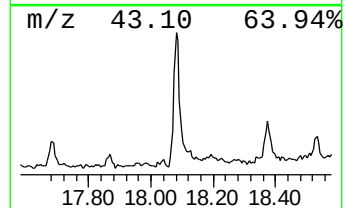
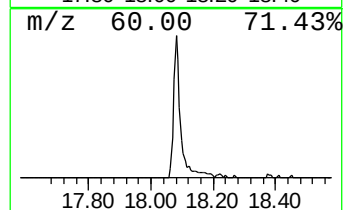
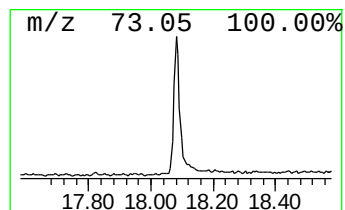
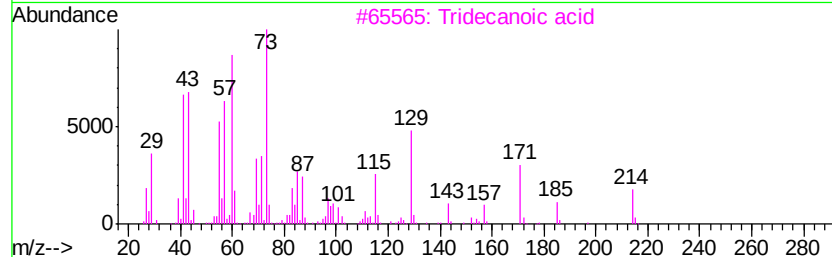
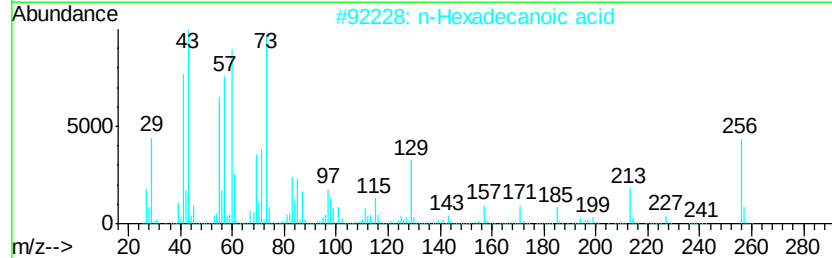
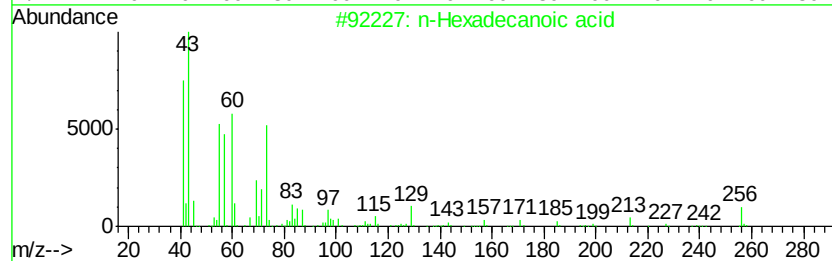
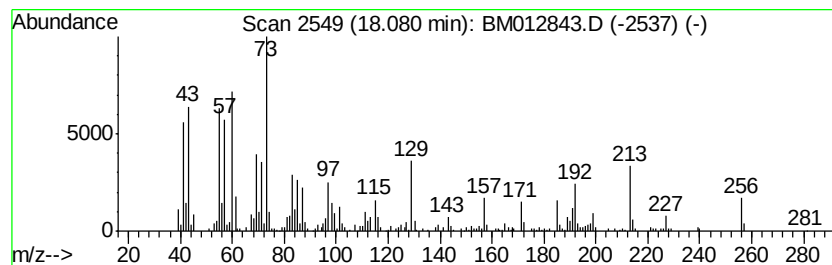
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD		R.T.	
18.08	5.86 ng/ul	610071	Phenanthrene-d10		17.19	
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	86
4	Tetradecanoic acid		228	C14H28O2	000544-63-8	83
5	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	64



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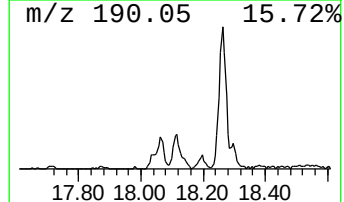
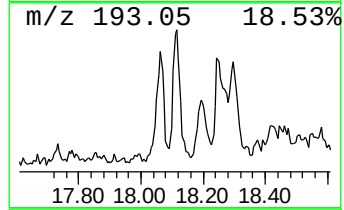
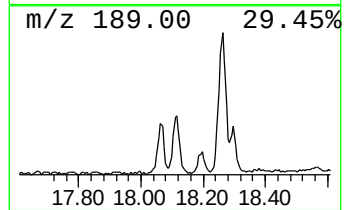
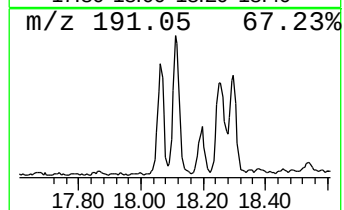
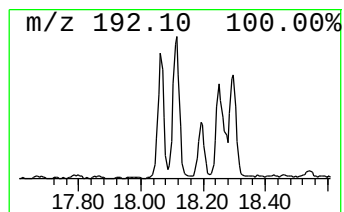
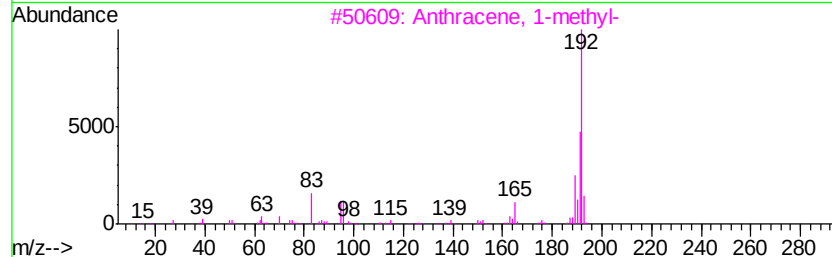
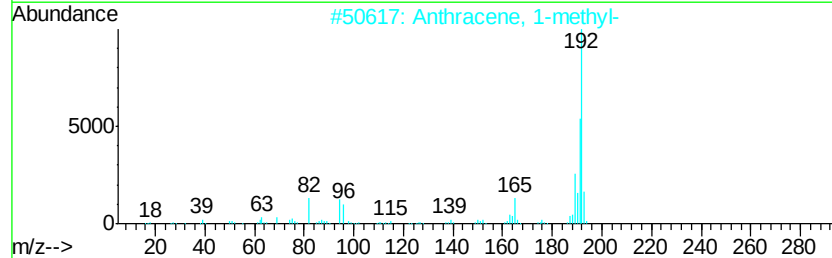
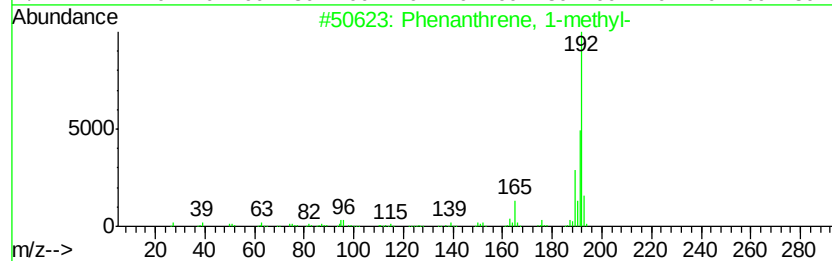
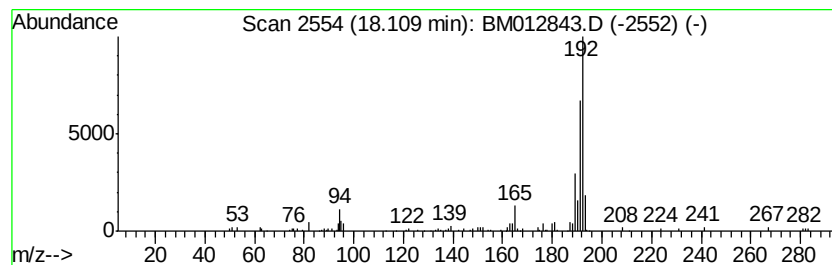
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.11	2.92 ng/ul	303674	Phenanthrene-d10	17.19		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96	
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95	
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94	
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93	
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93	



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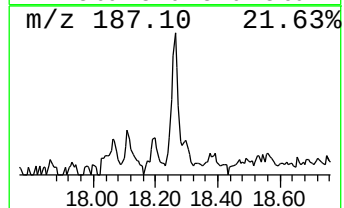
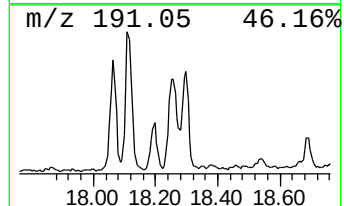
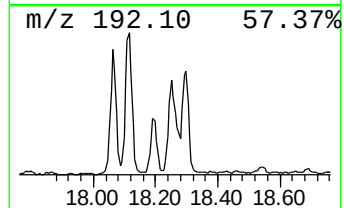
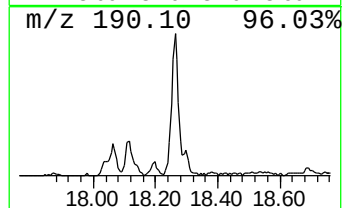
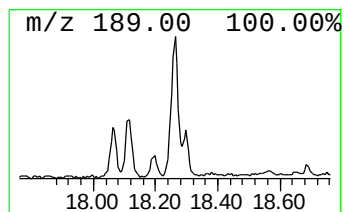
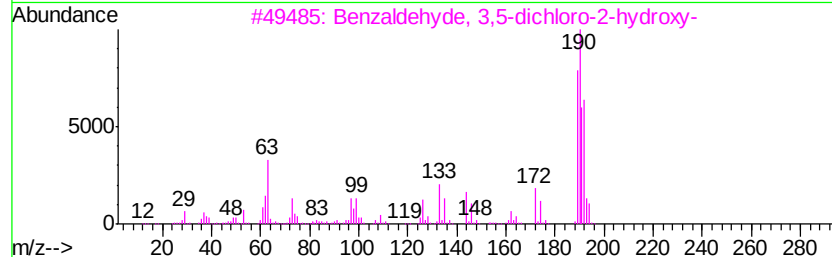
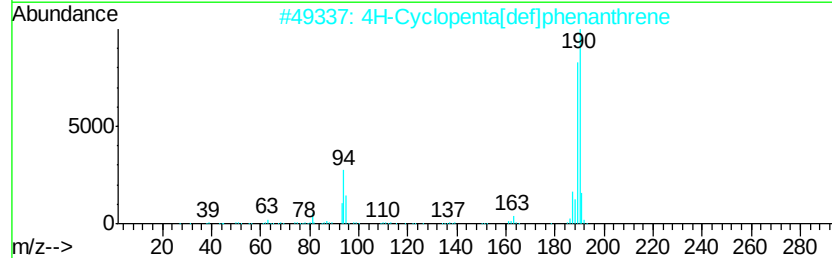
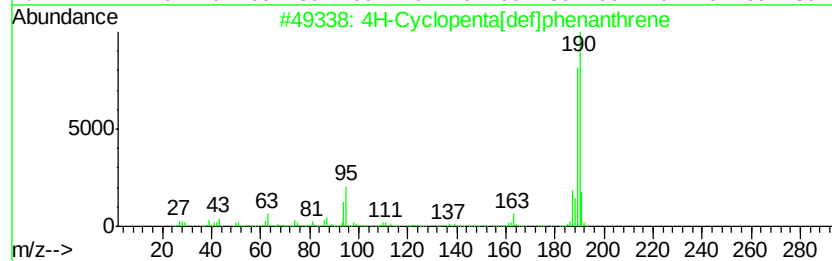
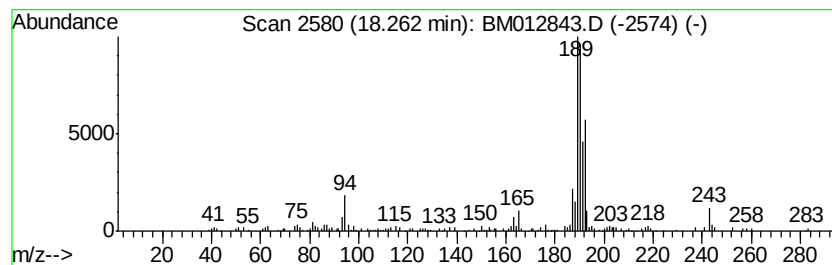
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD		R.T.		
18.26	2.97 ng/ul	308624	Phenanthrene-d10		17.19		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3			Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4			Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
5			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43



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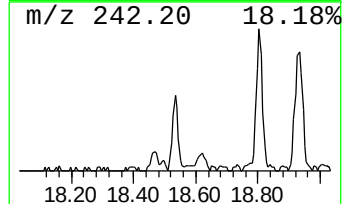
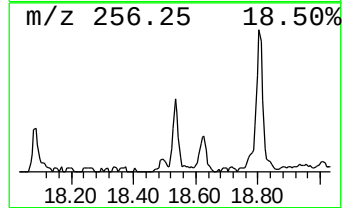
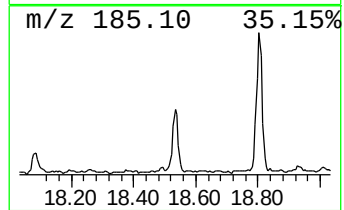
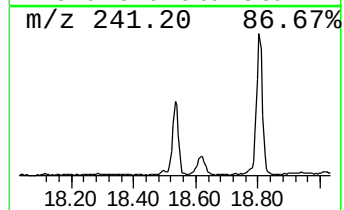
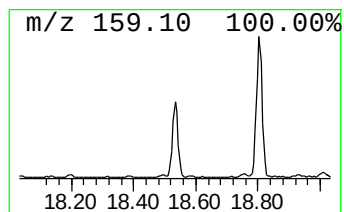
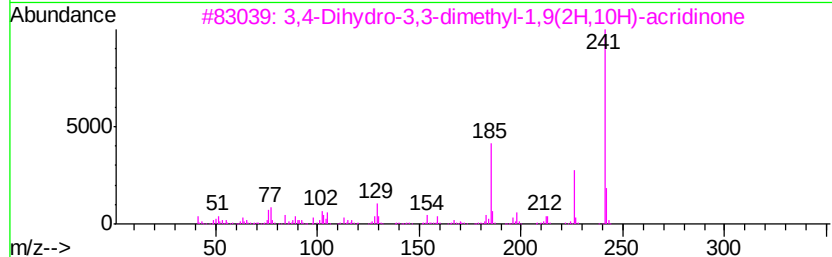
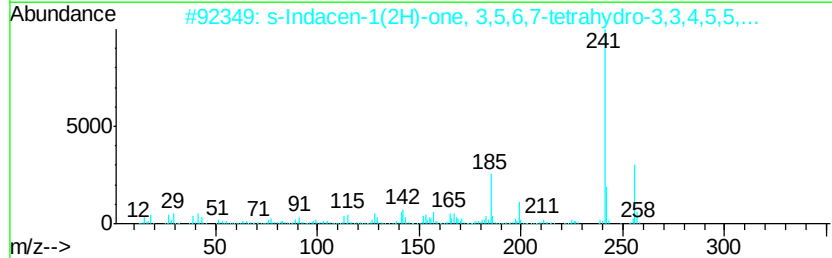
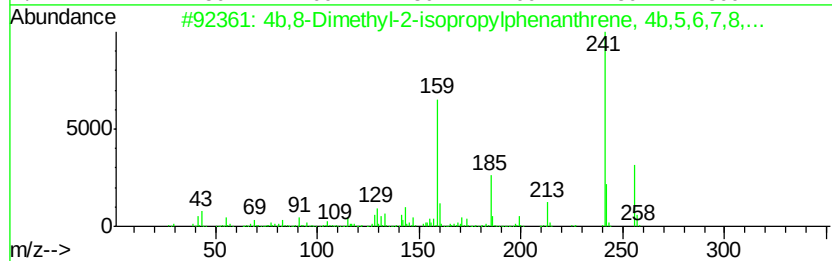
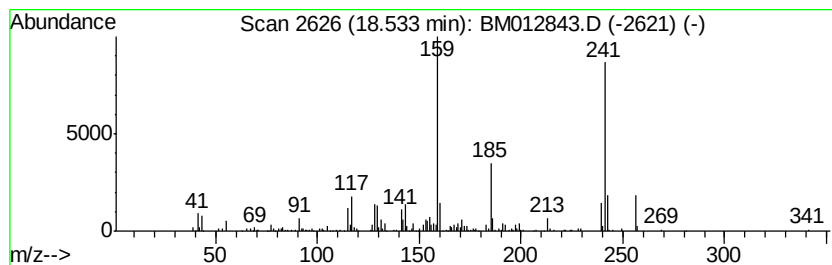
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 4b,8-Dimethyl-2-isopropylph... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	3.42 ng/ul	355407	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	90
2		s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	45
3		3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15N02	1000212-95-2	43
4		Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	38
5		Methyl 3-amino-2-cyano-3-(3-indo...	241	C13H11N3O2	018234-27-0	30



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012843.D
Acq On : 09 Nov 2017 08:31
Operator : SJ/JU
Sample : I6096-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

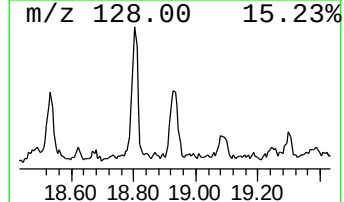
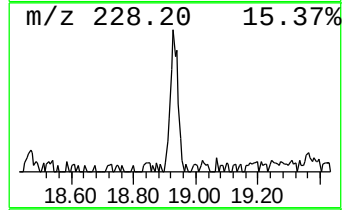
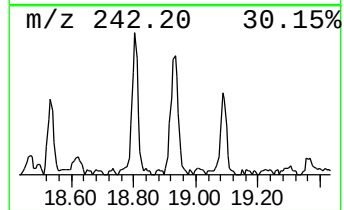
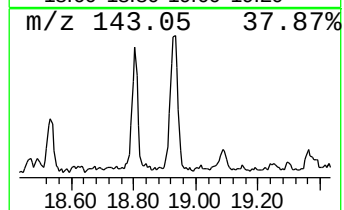
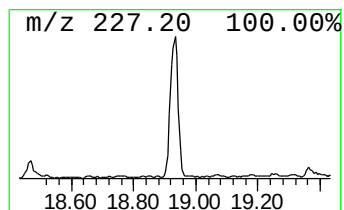
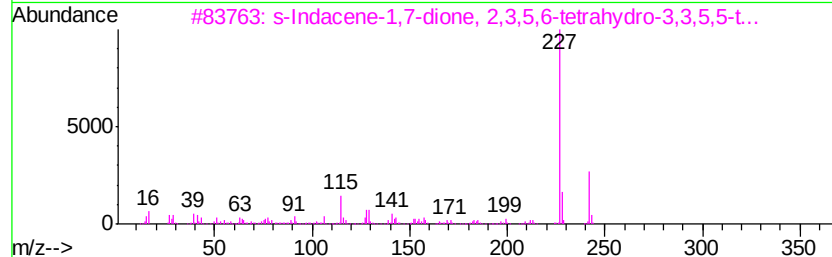
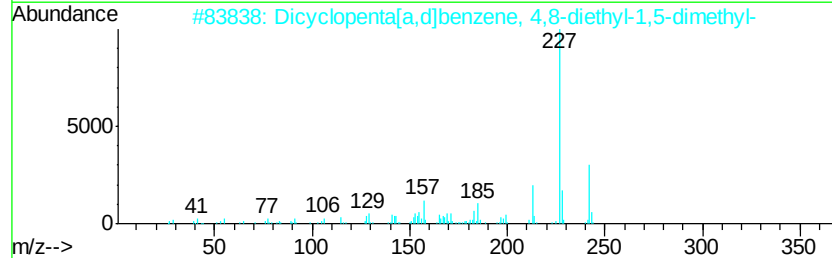
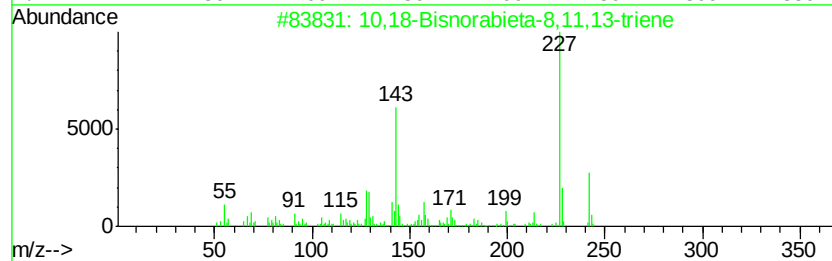
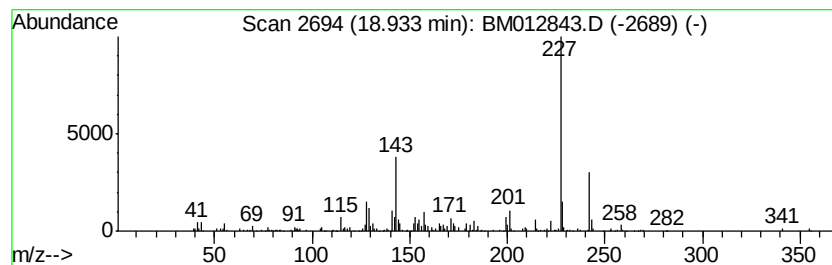
Instrument :
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ClientSampleId :
B-76(1-3)-102317

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 10,18-Bisnorabieta-8,11,13-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.93	2.33 ng/ul	241961	Phenanthrene-d10	17.19		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	95	
2	Dicyclopenta[a,d]benzene, 4,8-di...	242	C18H26	1000156-41-6	70	
3	s-Indacene-1,7-dione, 2,3,5,6-te...	242	C16H18O2	055591-17-8	62	
4	1,4-Naphthalenedione, 2-hydroxy-...	242	C15H14O3	000084-79-7	53	
5	7-Diethylamino-2-oxo-2H-chromene...	242	C14H14N2O2	332411-59-3	52	



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012843.D
Acq On : 09 Nov 2017 08:31
Operator : SJ/JU
Sample : I6096-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-76(1-3)-102317

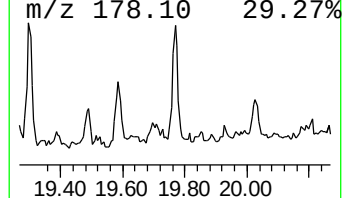
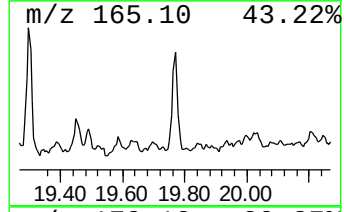
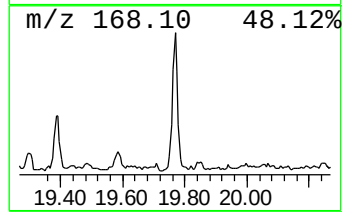
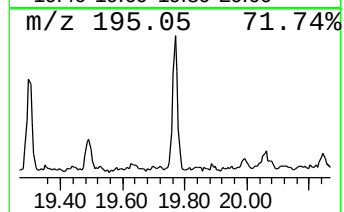
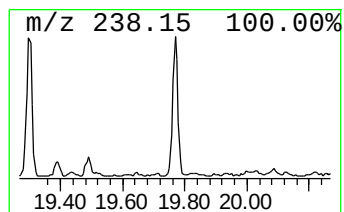
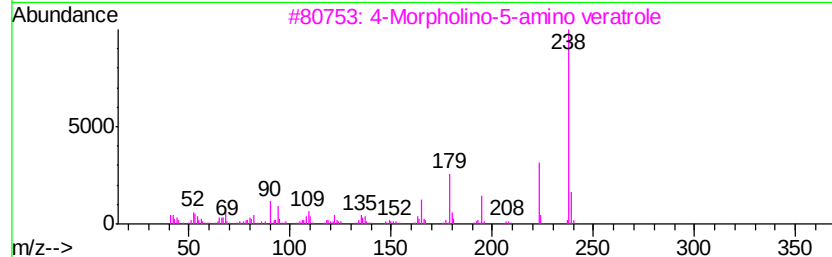
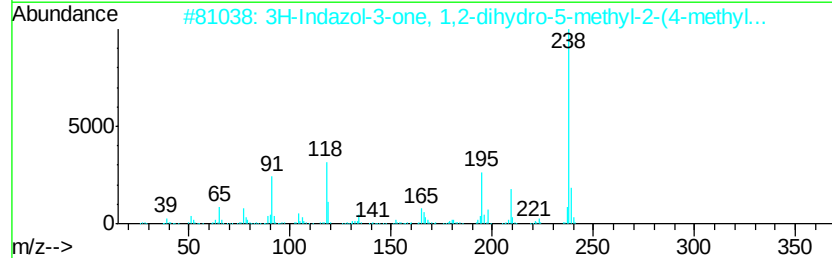
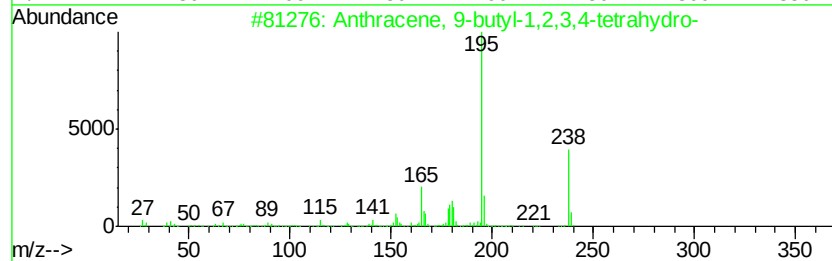
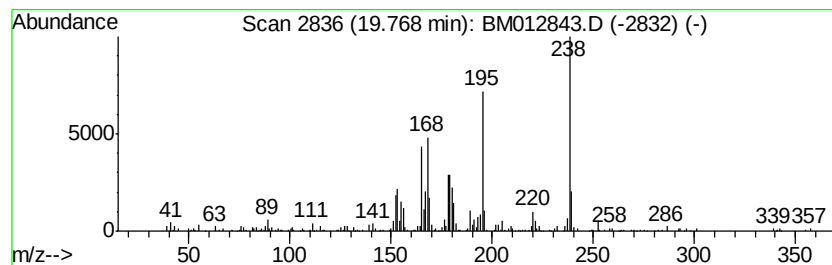
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Anthracene, 9-butyl-1,2,3,4... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	2.91 ng/ul	410790	Chrysene-d12	21.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-butyl-1,2,3,4-tetr...	238	C18H22	1000151-39-2	53
2		3H-Indazol-3-one, 1,2-dihydro-5-...	238	C15H14N2O	017049-55-7	38
3		4-Morpholino-5-amino veratrole	238	C12H18N2O3	030058-28-7	38
4		o-Ethoxybenzoic acid, trimethyls...	238	C12H18O3Si	1000079-18-9	27
5		2-Benzimidazolinone, 5-methyl-1-...	238	C15H14N2O	028643-57-4	27



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012843.D
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Sample : I6096-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-76(1-3)-102317

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzophenone	15.80	8.8	ng/ul	778114	3	14.44	1773830	20.0
n-Hexadecanoic acid	18.08	5.9	ng/ul	610071	4	17.19	2081240	20.0
Phenanthrene, 1-m...	18.11	2.9	ng/ul	303674	4	17.19	2081240	20.0
4H-Cyclopenta[def...	18.26	3.0	ng/ul	308624	4	17.19	2081240	20.0
4b,8-Dimethyl-2-i...	18.53	3.4	ng/ul	355407	4	17.19	2081240	20.0
10,18-Bisnorabiet...	18.93	2.3	ng/ul	241961	4	17.19	2081240	20.0
Anthracene, 9-but...	19.77	2.9	ng/ul	410790	5	21.37	2825290	20.0