

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
 Data File : BG028439.D
 Acq On : 23 Aug 2017 5:17
 Operator : SJ/JU
 Sample : I4713-21
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E7GD1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.1
 Stop Thrs : 0

Filtering: 5
 Min Area: 0.1 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.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	3.823	37	40	48	rVB3	8922	16499	0.85%	0.070%
2	3.905	48	54	58	rBV4	2848	6643	0.34%	0.028%
3	4.334	122	127	132	rBV3	9960	17196	0.88%	0.073%
4	4.416	136	141	142	rBV3	2494	4081	0.21%	0.017%
5	4.563	164	166	169	rVB3	3400	3338	0.17%	0.014%
6	4.704	185	190	195	rVB5	2684	5738	0.29%	0.024%
7	5.444	312	316	324	rVB4	4909	8904	0.46%	0.038%
8	5.550	327	334	336	rBV6	2668	5311	0.27%	0.022%
9	6.549	498	504	510	rVB5	2152	4012	0.21%	0.017%
10	6.625	511	517	524	rVB6	2085	3438	0.18%	0.015%
11	6.966	568	575	579	rBV6	2522	5286	0.27%	0.022%
12	7.072	588	593	595	rBV2	1810	3184	0.16%	0.013%
13	7.501	656	666	679	rBV2	175438	372014	19.08%	1.576%
14	7.659	685	693	707	rBV	122434	214315	10.99%	0.908%
15	7.883	722	731	745	rVB2	167993	321998	16.51%	1.364%
16	7.976	745	747	750	rBV2	3613	3282	0.17%	0.014%
17	8.141	770	775	781	rBV4	2603	5234	0.27%	0.022%
18	8.347	800	810	817	rBV	163034	295311	15.14%	1.251%
19	8.552	840	845	847	rBV3	2534	3685	0.19%	0.016%
20	8.987	910	919	920	rBV5	2062	3412	0.17%	0.014%
21	9.040	920	928	941	rVB	218700	399022	20.46%	1.690%
22	9.510	999	1008	1021	rBV	181123	342816	17.58%	1.452%
23	9.880	1065	1071	1077	rVB4	1589	4221	0.22%	0.018%
24	10.239	1122	1132	1144	rBV	158867	306950	15.74%	1.300%
25	10.532	1178	1182	1185	rVB4	3314	5105	0.26%	0.022%
26	10.597	1185	1193	1196	rBV3	3813	7119	0.37%	0.030%
27	10.691	1207	1209	1215	rVB2	2072	3446	0.18%	0.015%
28	10.779	1215	1224	1235	rBV2	234632	469149	24.06%	1.987%
29	10.949	1250	1253	1258	rVB4	2312	3571	0.18%	0.015%
30	11.161	1282	1289	1298	rBV	259294	482865	24.76%	2.045%
31	11.296	1302	1312	1322	rBV	118490	256127	13.13%	1.085%
32	12.301	1475	1483	1485	rBV5	2073	3270	0.17%	0.014%
33	12.524	1520	1521	1529	rVB4	2400	4089	0.21%	0.017%
34	12.612	1529	1536	1540	rBV6	4558	9879	0.51%	0.042%

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35	12.718	1550	1554	1556	rBV3	6237	5254	0.27%	0.022%
36	13.165	1624	1630	1634	rBV5	1900	3575	0.18%	0.015%
37	13.300	1648	1653	1659	rVB4	5454	10073	0.52%	0.043%
38	13.541	1689	1694	1705	rVB4	8719	18562	0.95%	0.079%
39	13.740	1719	1728	1732	rBV3	3693	8035	0.41%	0.034%
40	14.052	1775	1781	1782	rBV3	2530	3715	0.19%	0.016%
41	14.269	1815	1818	1821	rVB3	2921	3922	0.20%	0.017%
42	14.340	1821	1830	1835	rBV	465950	718323	36.83%	3.043%
43	14.387	1835	1838	1844	rVB	188652	269696	13.83%	1.142%
44	14.569	1866	1869	1875	rVB5	3068	5659	0.29%	0.024%
45	14.651	1875	1883	1895	rBV	497256	801362	41.09%	3.394%
46	14.804	1905	1909	1914	rVB4	4250	5060	0.26%	0.021%
47	14.951	1924	1934	1942	rBV2	395724	693123	35.54%	2.936%
48	15.009	1942	1944	1949	rVV4	6547	11023	0.57%	0.047%
49	15.062	1949	1953	1962	rVB2	29592	47113	2.42%	0.200%
50	15.156	1962	1969	1982	rBV2	91025	213825	10.96%	0.906%
51	15.297	1990	1993	1997	rBV4	6012	9338	0.48%	0.040%
52	15.350	1997	2002	2009	rVB9	18690	34716	1.78%	0.147%
53	15.562	2035	2038	2044	rVB5	3170	5048	0.26%	0.021%
54	15.620	2044	2048	2050	rBV3	3448	3830	0.20%	0.016%
55	15.709	2057	2063	2067	rBV2	21655	32781	1.68%	0.139%
56	15.750	2069	2070	2078	rVB4	9447	11565	0.59%	0.049%
57	15.820	2078	2082	2085	rBV4	5143	6668	0.34%	0.028%
58	15.944	2094	2103	2109	rBV	662763	1030583	52.84%	4.365%
59	15.997	2109	2112	2117	rVB2	14064	20296	1.04%	0.086%
60	16.061	2117	2123	2130	rBV	142606	228103	11.70%	0.966%
61	16.190	2140	2145	2151	rVB3	42015	72349	3.71%	0.306%
62	16.296	2160	2163	2166	rVB5	5673	5752	0.29%	0.024%
63	16.378	2174	2177	2181	rVB4	2164	3287	0.17%	0.014%
64	16.431	2182	2186	2187	rBV3	4425	4092	0.21%	0.017%
65	16.561	2205	2208	2213	rBV6	3745	7181	0.37%	0.030%
66	16.619	2213	2218	2224	rBV8	9731	21934	1.12%	0.093%
67	16.754	2238	2241	2243	rBV4	3806	4585	0.24%	0.019%
68	16.796	2245	2248	2254	rVB8	6775	12574	0.64%	0.053%
69	16.895	2258	2265	2267	rBV7	6222	12602	0.65%	0.053%
70	16.913	2267	2268	2272	rVB4	5180	6344	0.33%	0.027%
71	17.066	2290	2294	2302	rVB10	7007	13447	0.69%	0.057%

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72	17.148	2302	2308	2312	rBV9	5533	10359	0.53%	0.044%
73	17.354	2339	2343	2349	rBV4	10955	18698	0.96%	0.079%
74	17.413	2349	2353	2355	rBV3	7524	8731	0.45%	0.037%
75	17.518	2368	2371	2375	rVB2	21053	28044	1.44%	0.119%
76	17.559	2376	2378	2383	rVB6	6234	9944	0.51%	0.042%
77	17.700	2395	2402	2406	rBV	490285	817610	41.92%	3.463%
78	17.742	2406	2409	2414	rVV	437963	674211	34.57%	2.856%
79	17.800	2414	2419	2429	rVV2	688943	1125770	57.72%	4.768%
80	17.888	2429	2434	2441	rVB4	42753	85537	4.39%	0.362%
81	18.106	2463	2471	2476	rBV3	72158	136402	6.99%	0.578%
82	18.546	2542	2546	2555	rBV4	92261	212121	10.88%	0.898%
83	18.623	2555	2559	2566	rVB2	58004	91106	4.67%	0.386%
84	18.776	2578	2585	2596	rBV3	89914	214718	11.01%	0.909%
85	19.064	2630	2634	2637	rBV	39783	56718	2.91%	0.240%
86	19.111	2637	2642	2648	rVB2	128069	195439	10.02%	0.828%
87	19.745	2743	2750	2756	rBV	1346955	1950233	100.00%	8.261%
88	19.810	2756	2761	2770	rVV7	111495	206432	10.58%	0.874%
89	20.080	2800	2807	2809	rBV2	942282	1630990	83.63%	6.908%
90	20.103	2809	2811	2818	rVB	1025885	1373360	70.42%	5.817%
91	20.274	2838	2840	2845	rVB2	57819	76670	3.93%	0.325%
92	20.591	2890	2894	2901	rVB	130184	192285	9.86%	0.814%
93	20.685	2906	2910	2914	rBV	129825	187708	9.62%	0.795%
94	22.031	3131	3139	3144	rBV3	625874	1664974	85.37%	7.052%
95	22.084	3145	3148	3162	rVB	439591	778106	39.90%	3.296%
96	24.428	3539	3547	3556	rBV2	320016	1166536	59.82%	4.941%
97	25.221	3675	3682	3689	rBV	149788	425315	21.81%	1.801%
98	25.309	3689	3697	3704	rVV3	340703	884795	45.37%	3.748%
99	25.380	3705	3709	3719	rVB	260129	685345	35.14%	2.903%
100	25.544	3730	3737	3746	rVB2	258810	735073	37.69%	3.114%

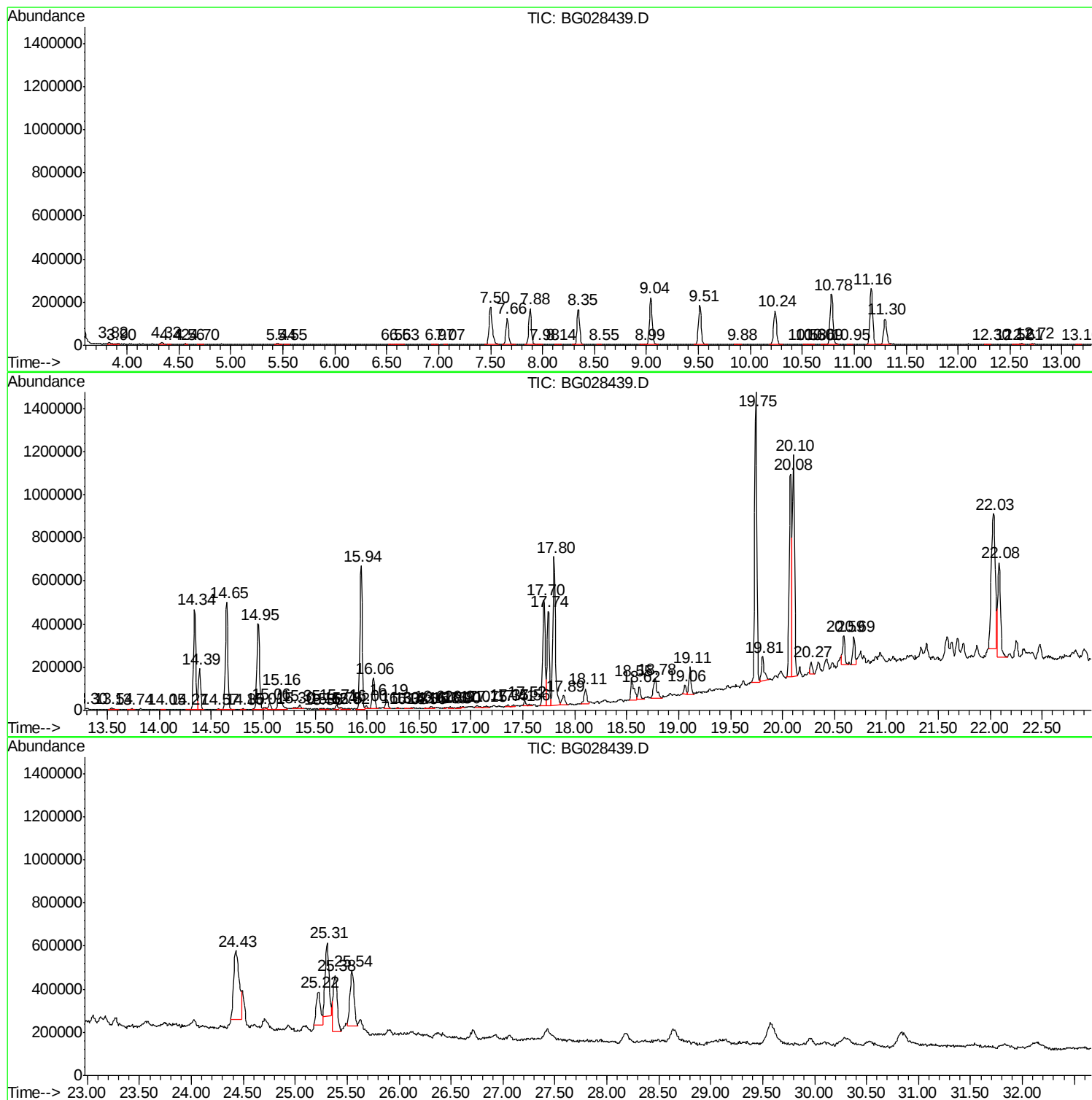
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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



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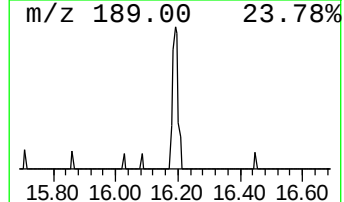
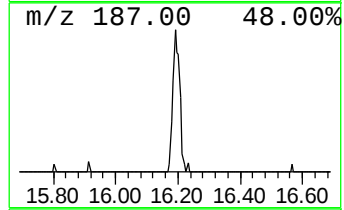
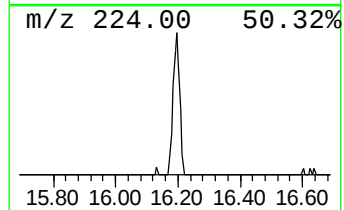
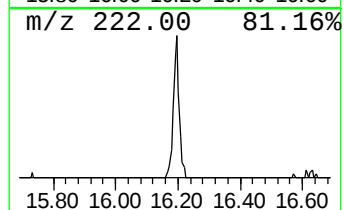
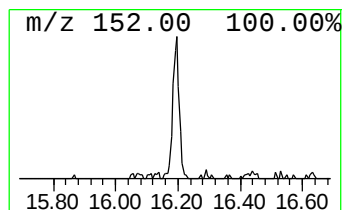
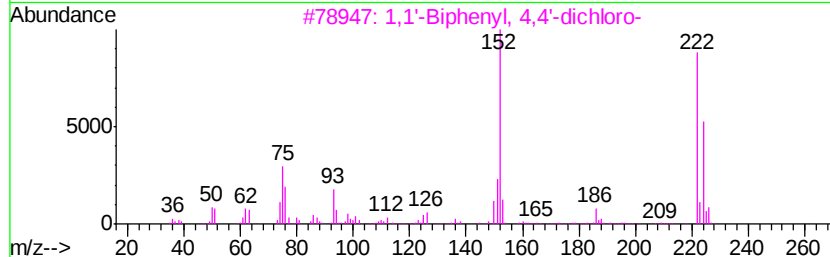
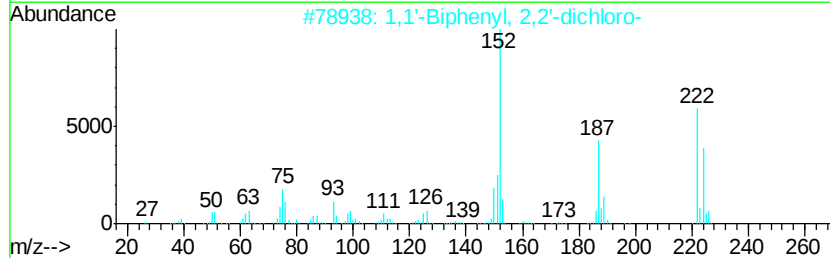
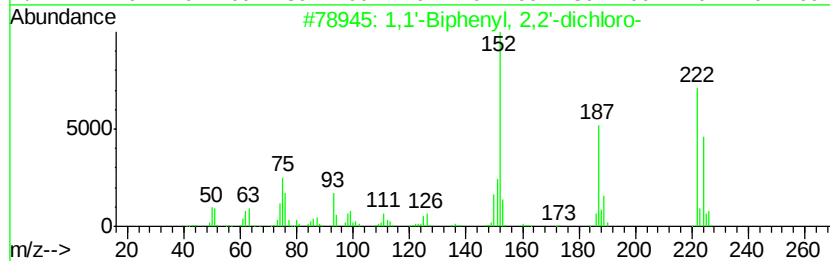
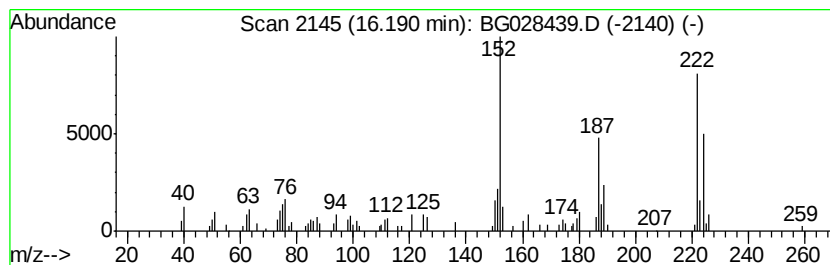
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 1,1'-Biphenyl, 2,2'-dichloro- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	2.09 ng/ul	72349	Acenaphthene-d10	14.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	95
2			1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	93
3			1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	93
4			1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	93
5			1,1'-Biphenyl, 2,6-dichloro-	222	C12H8Cl2	033146-45-1	93



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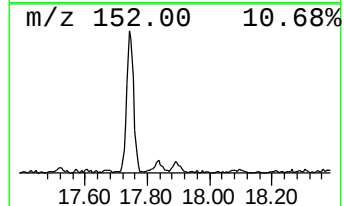
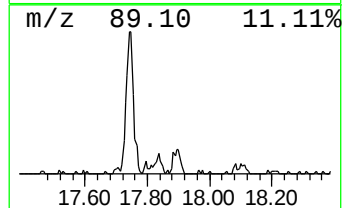
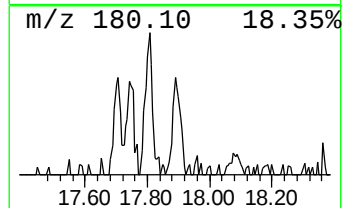
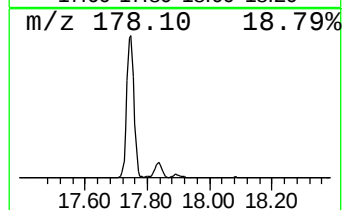
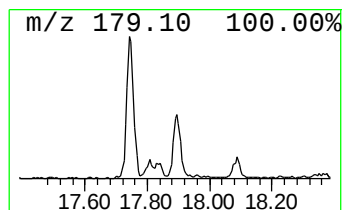
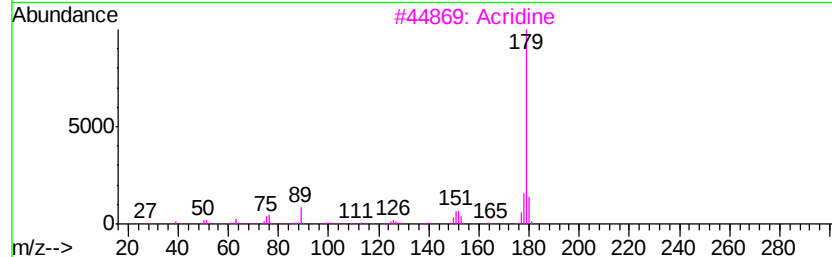
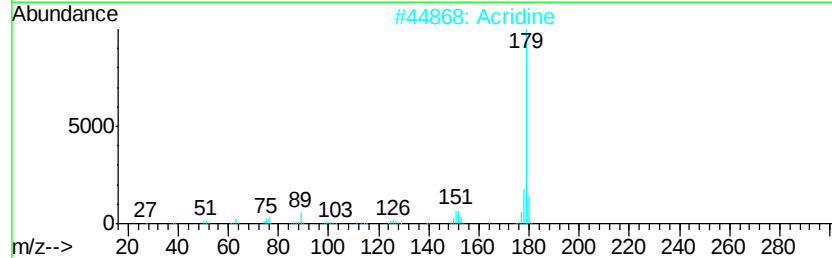
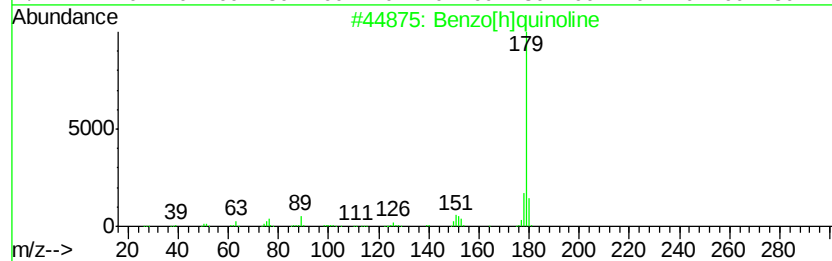
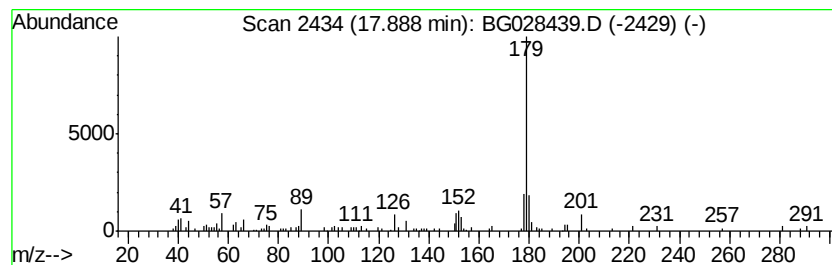
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzo[h]quinoline Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	2.09 ng/ul	85537	Phenanthrene-d10	17.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[h]quinoline	179	C13H9N	000230-27-3	90
2		Acridine	179	C13H9N	000260-94-6	87
3		Acridine	179	C13H9N	000260-94-6	86
4		Acridine	179	C13H9N	000260-94-6	86
5		Phenanthridine	179	C13H9N	000229-87-8	80



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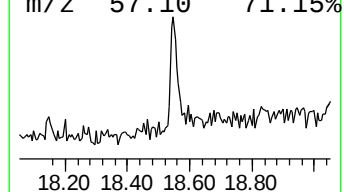
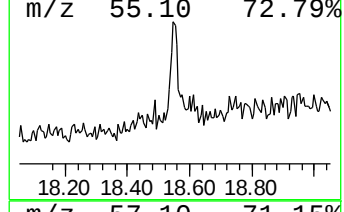
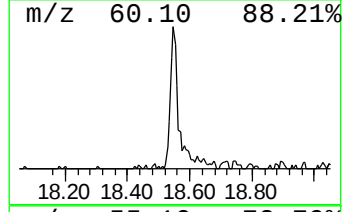
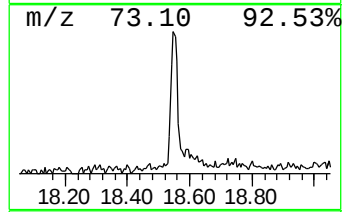
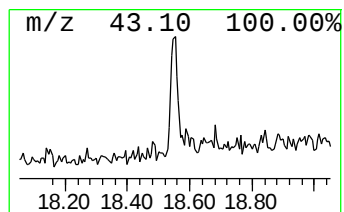
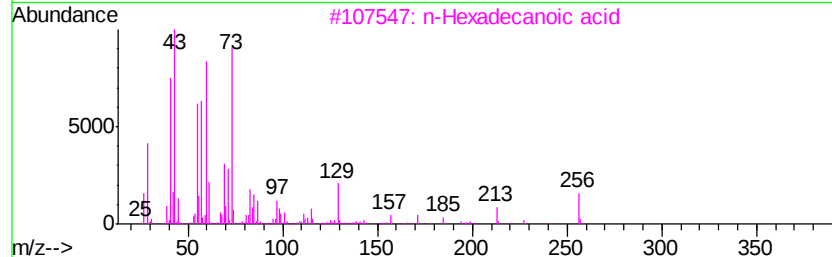
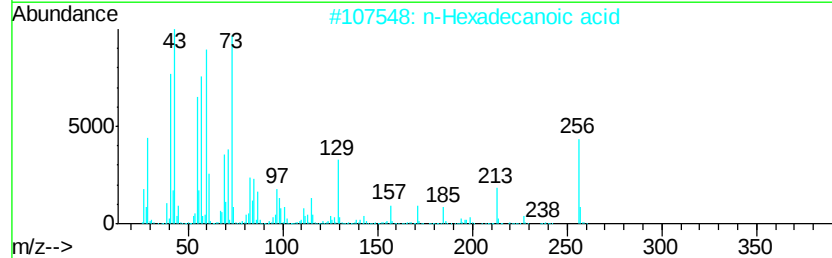
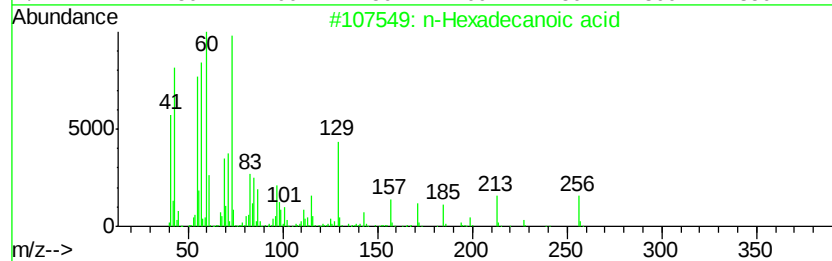
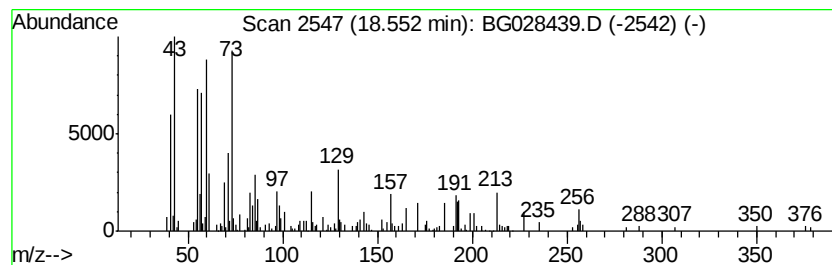
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TIC Integration Parameters: LSCINT.P

Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	5.19 ng/ul	212121	Phenanthrene-d10	17.70

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94	
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90	
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90	
4	Octadecanoic acid	284	C18H36O2	000057-11-4	62	
5	Dodecanoic acid	200	C12H24O2	000143-07-7	62	



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
Data File : BG028439.D
Acq On : 23 Aug 2017 5:17
Operator : SJ/JU
Sample : I4713-21
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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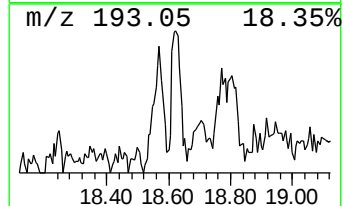
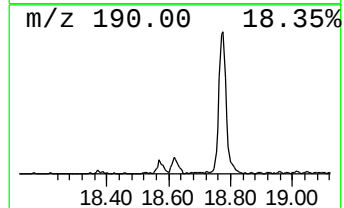
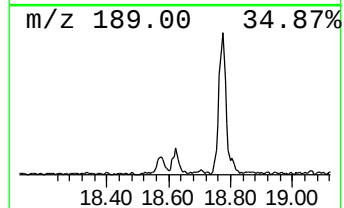
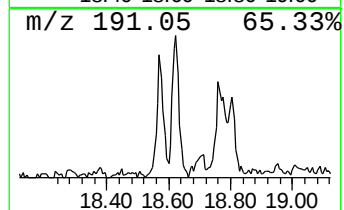
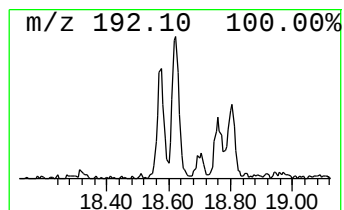
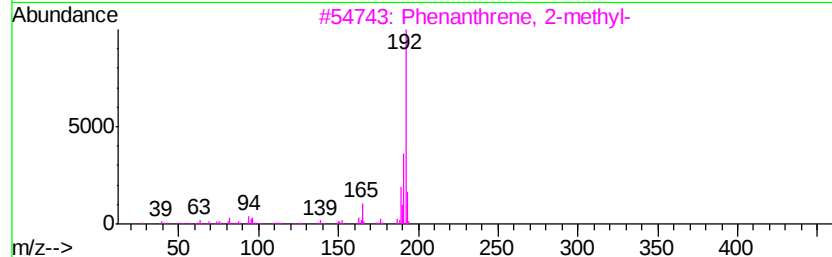
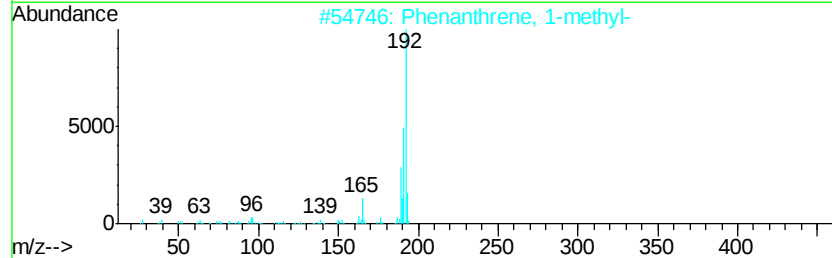
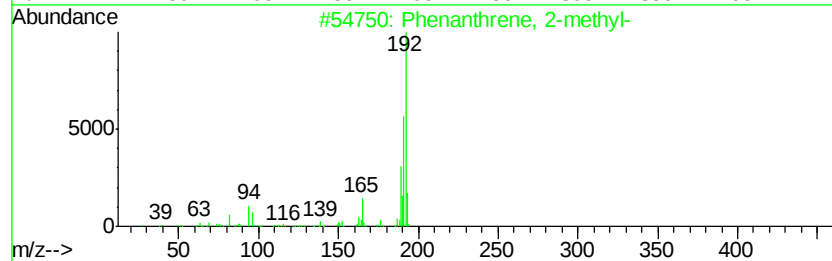
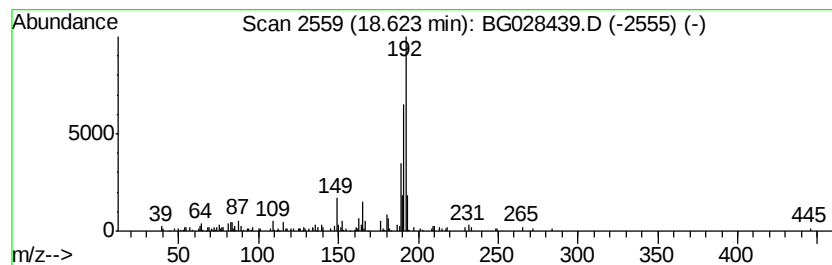
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	2.23 ng/ul	91106	Phenanthrene-d10	17.70

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90	
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90	
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86	
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81	
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81	



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
Data File : BG028439.D
Acq On : 23 Aug 2017 5:17
Operator : SJ/JU
Sample : I4713-21
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E7GD1

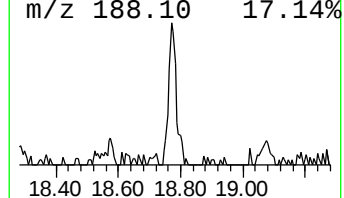
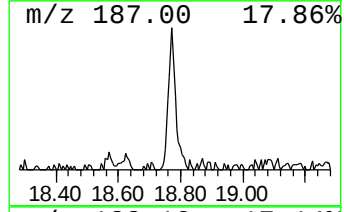
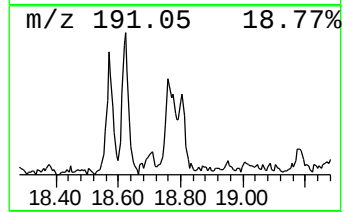
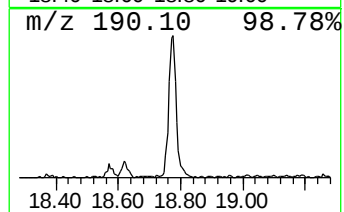
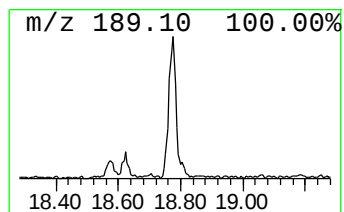
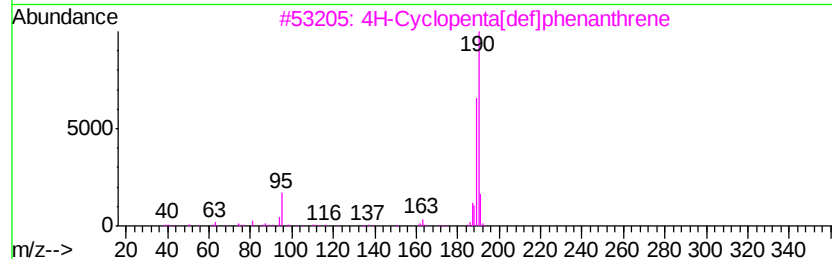
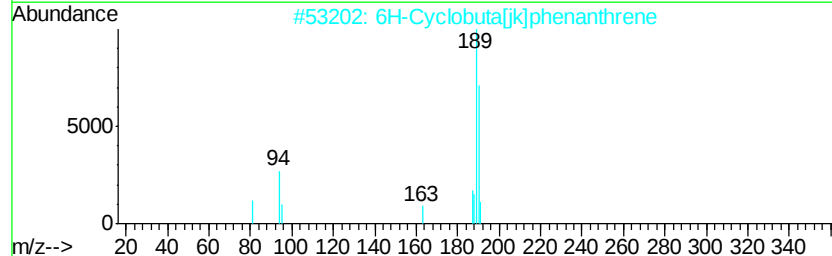
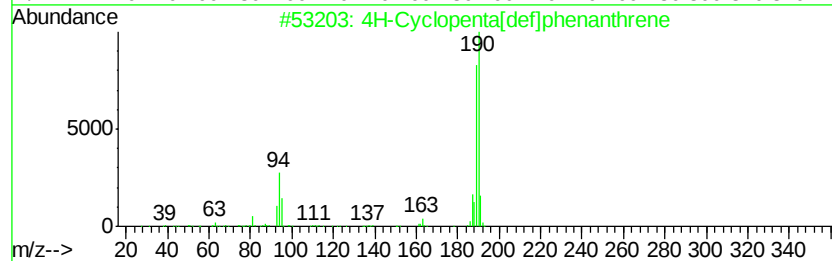
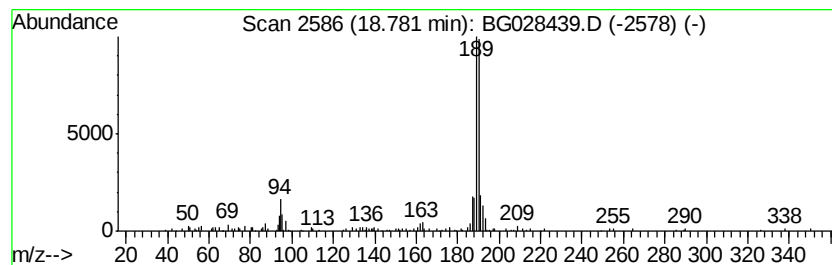
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.78	5.25 ng/ul	214718	Phenanthrene-d10	17.70

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	78
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
4		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
5		Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	64



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
Data File : BG028439.D
Acq On : 23 Aug 2017 5:17
Operator : SJ/JU
Sample : I4713-21
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
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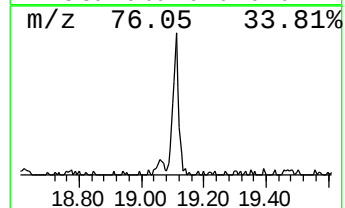
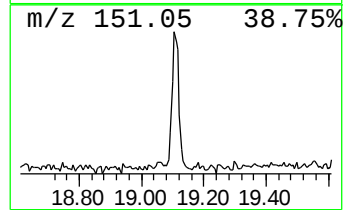
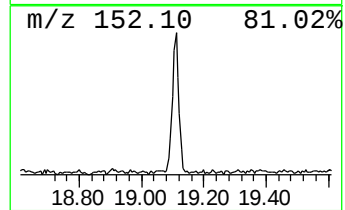
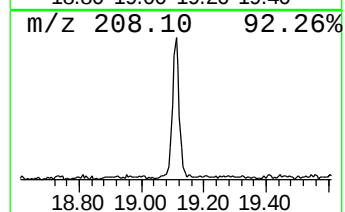
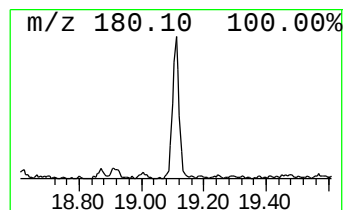
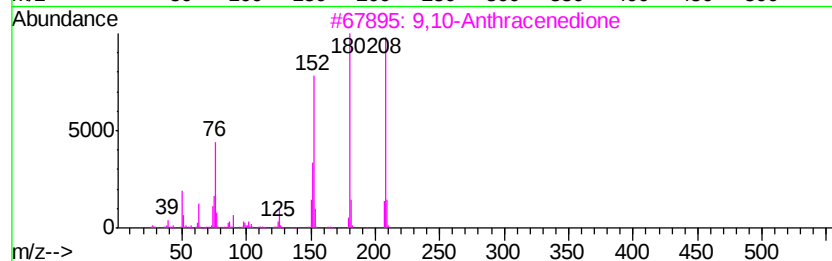
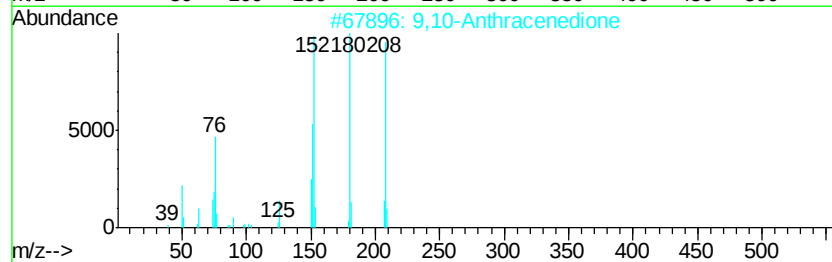
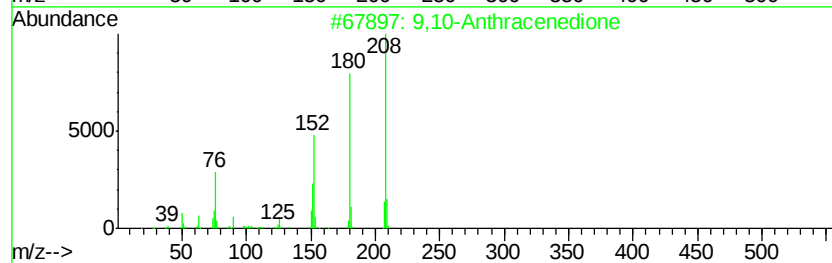
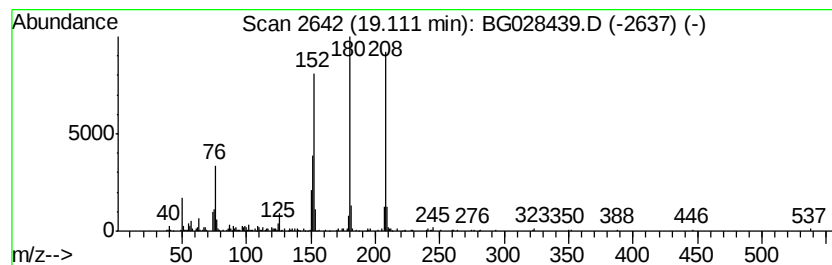
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.
19.11	4.78 ng/ul	195439	Phenanthrene-d10		17.70

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione			208	C14H8O2	000084-65-1	94
2	9,10-Anthracenedione			208	C14H8O2	000084-65-1	91
3	9,10-Anthracenedione			208	C14H8O2	000084-65-1	90
4	Benzo[c]cinnoline			180	C12H8N2	000230-17-1	64
5	Benzo[c]cinnoline			180	C12H8N2	000230-17-1	64



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
Data File : BG028439.D
Acq On : 23 Aug 2017 5:17
Operator : SJ/JU
Sample : I4713-21
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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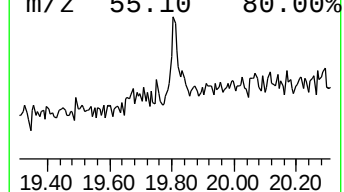
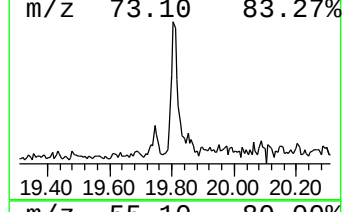
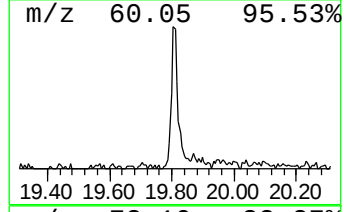
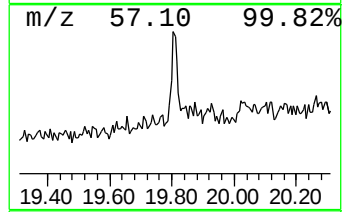
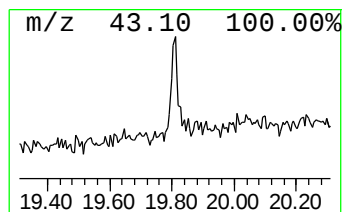
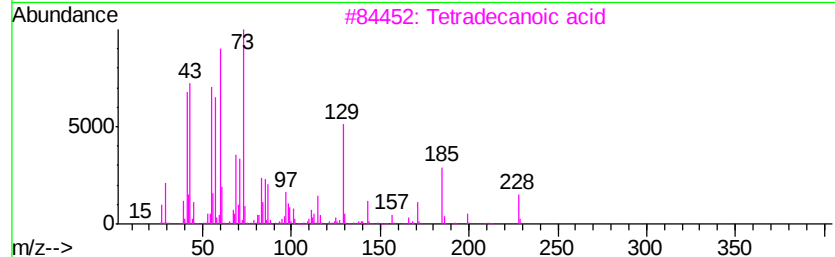
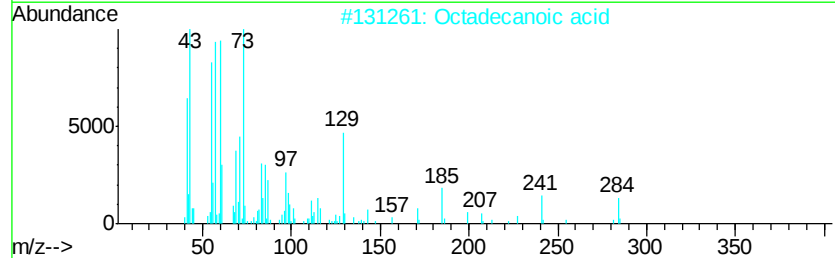
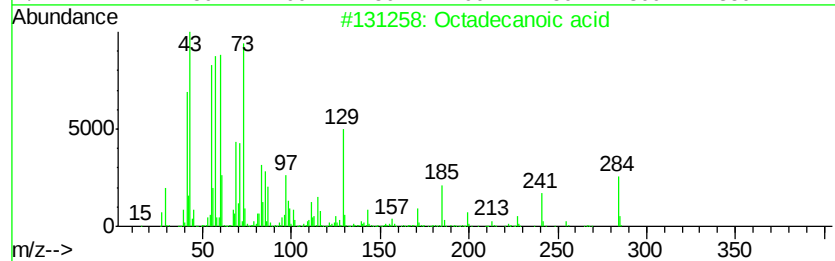
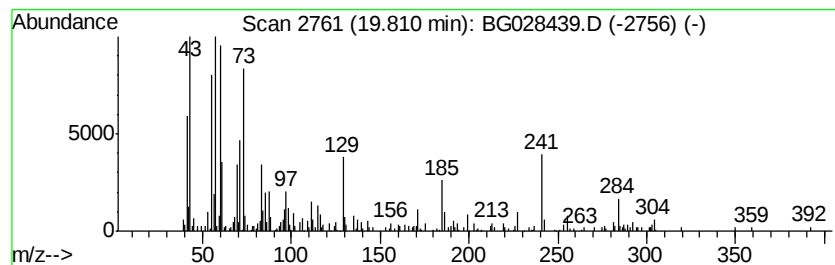
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Octadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.81	5.05 ng/ul	206432	Phenanthrene-d10	17.70

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	83	
2	Octadecanoic acid	284	C18H36O2	000057-11-4	83	
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	64	
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	62	
5	Octadecanoic acid	284	C18H36O2	000057-11-4	52	



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
Data File : BG028439.D
Acq On : 23 Aug 2017 5:17
Operator : SJ/JU
Sample : I4713-21
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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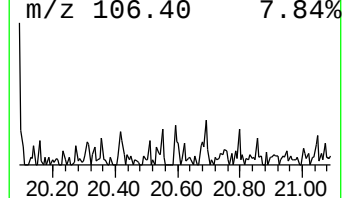
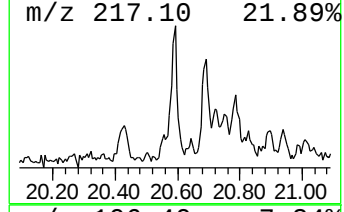
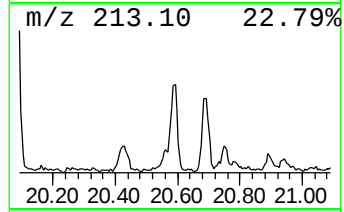
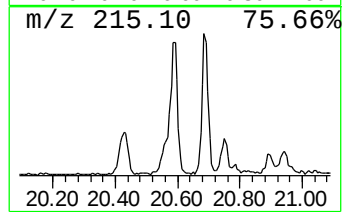
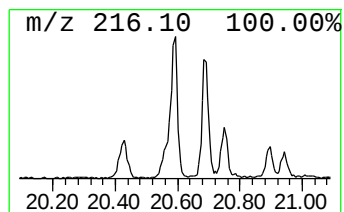
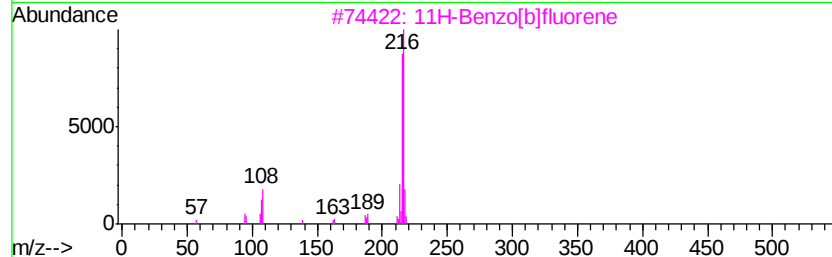
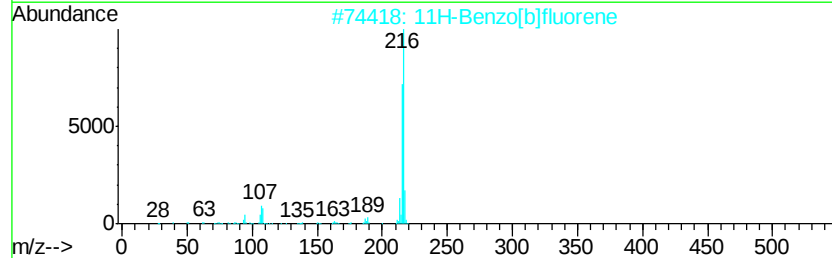
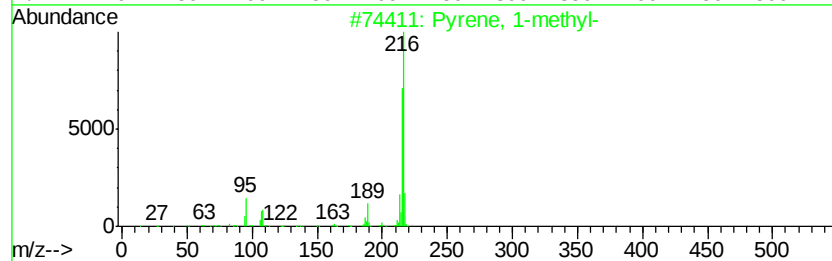
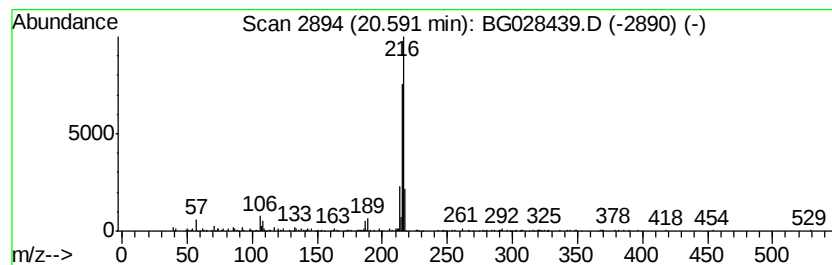
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 Pyrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.59	2.31 ng/ul	192285	Chrysene-d12	22.04

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	86
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
Data File : BG028439.D
Acq On : 23 Aug 2017 5:17
Operator : SJ/JU
Sample : I4713-21
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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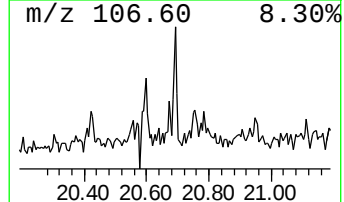
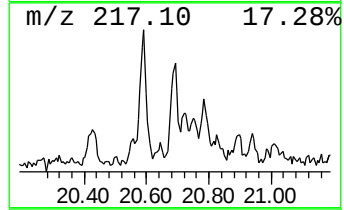
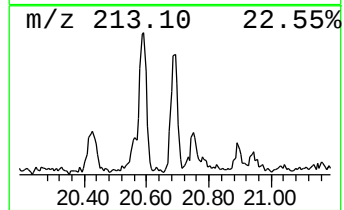
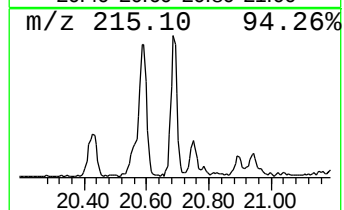
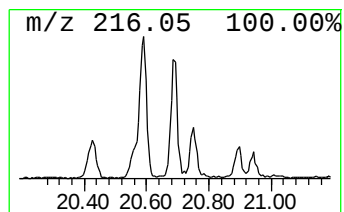
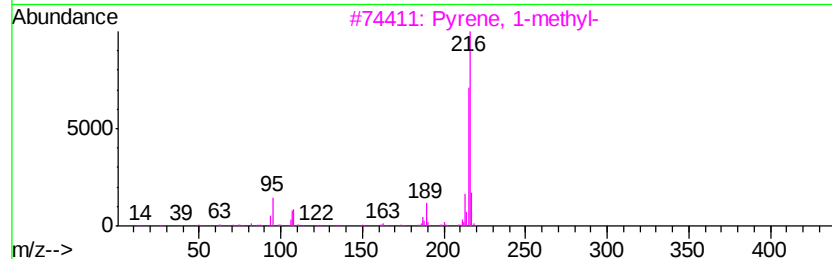
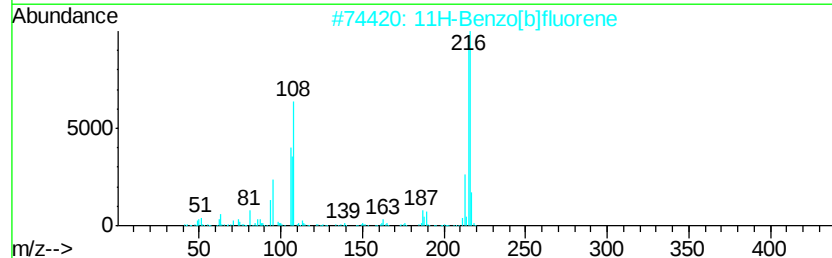
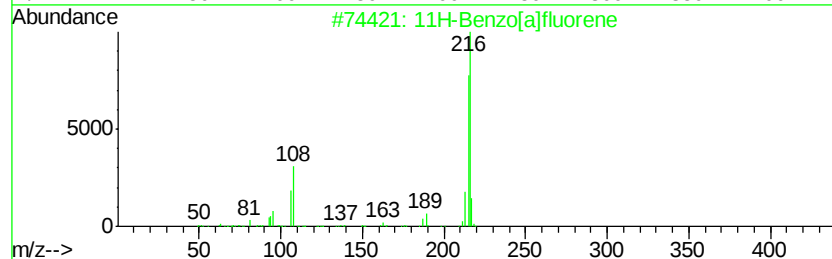
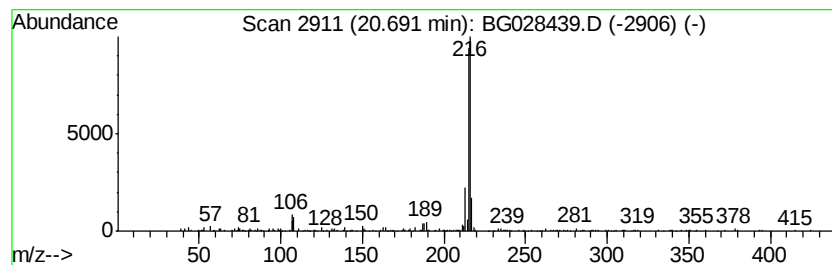
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 11H-Benzo[a]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.69	2.25 ng/ul	187708	Chrysene-d12	22.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	68
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
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 ALS Vial : 28 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 E7GD1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.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
1,1'-Biphenyl, 2,...	16.19	2.1	ng/ul	72349	3	14.95	693123	20.0
Benzo[h]quinoline	17.89	2.1	ng/ul	85537	4	17.70	817610	20.0
n-Hexadecanoic acid	18.55	5.2	ng/ul	212121	4	17.70	817610	20.0
Phenanthrene, 2-m...	18.62	2.2	ng/ul	91106	4	17.70	817610	20.0
4H-Cyclopenta[def...	18.78	5.3	ng/ul	214718	4	17.70	817610	20.0
9,10-Anthracenedione	19.11	4.8	ng/ul	195439	4	17.70	817610	20.0
Octadecanoic acid	19.81	5.0	ng/ul	206432	4	17.70	817610	20.0
Pyrene, 1-methyl-	20.59	2.3	ng/ul	192285	5	22.04	1664970	20.0
11H-Benzo[a]fluorene	20.69	2.3	ng/ul	187708	5	22.04	1664970	20.0