

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070516\
 Data File : BG022860.D
 Acq On : 5 Jul 2016 21:26
 Operator : UM/SJ
 Sample : H3811-15
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4TW3

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 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: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.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	3.227	65	66	71	rBV2	18686	20239	0.40%	0.032%
2	3.539	117	119	125	rVB7	24370	25434	0.51%	0.040%
3	3.827	164	168	171	rBV4	20376	31102	0.62%	0.049%
4	4.308	246	250	252	rVB3	10222	10224	0.20%	0.016%
5	4.867	343	345	347	rVB3	13984	9659	0.19%	0.015%
6	5.225	402	406	410	rBV5	12306	22330	0.44%	0.035%
7	5.413	433	438	440	rBV5	7626	12026	0.24%	0.019%
8	5.466	444	447	450	rVB5	9340	11073	0.22%	0.017%
9	5.954	529	530	534	rBV4	7112	8425	0.17%	0.013%
10	6.212	568	574	575	rBV6	11857	18914	0.38%	0.030%
11	6.353	596	598	602	rVB4	11795	14728	0.29%	0.023%
12	6.723	656	661	663	rBV3	6782	11944	0.24%	0.019%
13	6.782	667	671	673	rVV4	10054	14449	0.29%	0.023%
14	6.970	701	703	706	rVB4	8982	8734	0.17%	0.014%
15	7.311	753	761	777	rVB	746838	1402571	27.88%	2.202%
16	7.475	782	789	799	rVB	471009	793992	15.78%	1.247%
17	7.687	818	825	836	rBV	621129	1113821	22.14%	1.749%
18	7.981	873	875	878	rBV4	7073	9139	0.18%	0.014%
19	8.163	898	906	912	rBV	580447	1028445	20.44%	1.615%
20	8.292	924	928	930	rVV5	6353	9228	0.18%	0.014%
21	8.333	930	935	938	rVB5	7404	10618	0.21%	0.017%
22	8.392	943	945	948	rVV4	15064	16023	0.32%	0.025%
23	8.862	1019	1025	1033	rVV2	869733	1531616	30.44%	2.405%
24	9.032	1051	1054	1057	rVB5	7817	9341	0.19%	0.015%
25	9.332	1094	1105	1116	rBV	672490	1261701	25.08%	1.981%
26	9.420	1116	1120	1121	rBV2	15737	14813	0.29%	0.023%
27	9.479	1126	1130	1136	rVB9	18560	32203	0.64%	0.051%
28	9.549	1139	1142	1148	rVB6	10074	15742	0.31%	0.025%
29	9.720	1166	1171	1175	rVB5	22404	29943	0.60%	0.047%
30	10.055	1220	1228	1239	rBV2	604324	1118059	22.22%	1.756%
31	10.196	1247	1252	1259	rBV6	22399	49201	0.98%	0.077%
32	10.601	1312	1321	1330	rVV	988384	1724902	34.29%	2.709%
33	10.989	1379	1387	1393	rBV	861986	1584572	31.50%	2.488%
34	11.036	1393	1395	1402	rVB8	17259	24161	0.48%	0.038%

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35	11.118	1402	1409	1416	rBV2	469399	896679	17.82%	1.408%
36	11.753	1509	1517	1520	rBV10	15054	33415	0.66%	0.052%
37	12.563	1650	1655	1660	rBV5	23824	34374	0.68%	0.054%
38	12.634	1664	1667	1668	rBV3	17869	20638	0.41%	0.032%
39	12.663	1668	1672	1677	rVB3	78438	134661	2.68%	0.211%
40	12.840	1699	1702	1703	rBV3	9137	9378	0.19%	0.015%
41	12.851	1703	1704	1712	rVB7	12759	19405	0.39%	0.030%
42	13.139	1749	1753	1755	rBV4	6913	9795	0.19%	0.015%
43	13.586	1822	1829	1830	rBV7	14399	19204	0.38%	0.030%
44	13.715	1849	1851	1856	rVB6	12044	16946	0.34%	0.027%
45	13.780	1859	1862	1865	rBV5	8211	12561	0.25%	0.020%
46	13.944	1883	1890	1891	rBV5	17068	31928	0.63%	0.050%
47	13.974	1894	1895	1899	rVV4	21600	20588	0.41%	0.032%
48	14.038	1903	1906	1907	rBV3	11267	10725	0.21%	0.017%
49	14.120	1914	1920	1925	rVB3	42707	68897	1.37%	0.108%
50	14.197	1925	1933	1937	rBV	1728073	2624765	52.17%	4.122%
51	14.244	1937	1941	1948	rVB	556319	790763	15.72%	1.242%
52	14.356	1957	1960	1964	rVB6	11335	14527	0.29%	0.023%
53	14.497	1977	1984	1994	rBV	1800030	3001984	59.67%	4.714%
54	14.673	2009	2014	2017	rBV4	28371	36669	0.73%	0.058%
55	14.755	2024	2028	2029	rBV4	12137	15235	0.30%	0.024%
56	14.802	2029	2036	2044	rVB2	1578699	2512645	49.94%	3.946%
57	14.996	2062	2069	2078	rBV	705409	1260150	25.05%	1.979%
58	15.137	2091	2093	2097	rBV5	14152	21044	0.42%	0.033%
59	15.196	2099	2103	2110	rVB8	63583	110981	2.21%	0.174%
60	15.266	2111	2115	2120	rVB3	39360	64914	1.29%	0.102%
61	15.413	2135	2140	2144	rVB8	34788	61719	1.23%	0.097%
62	15.466	2144	2149	2153	rVB5	31409	40767	0.81%	0.064%
63	15.583	2164	2169	2171	rBV6	28230	49016	0.97%	0.077%
64	15.619	2173	2175	2179	rVB2	55617	57763	1.15%	0.091%
65	15.672	2181	2184	2189	rBV6	21135	35466	0.70%	0.056%
66	15.795	2195	2205	2211	rBV	2398877	3911315	77.74%	6.142%
67	15.901	2218	2223	2229	rVB	820827	1213181	24.11%	1.905%
68	16.482	2319	2322	2324	rBV2	55212	57483	1.14%	0.090%
69	16.647	2348	2350	2352	rBV3	23386	26731	0.53%	0.042%
70	16.900	2389	2393	2399	rBV5	47669	104969	2.09%	0.165%
71	16.994	2407	2409	2415	rVB4	54474	68595	1.36%	0.108%

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72	17.282	2454	2458	2462	rVB	169553	202280	4.02%	0.318%
73	17.370	2470	2473	2478	rVB3	57705	82039	1.63%	0.129%
74	17.552	2498	2504	2508	rBV2	1901402	2939970	58.44%	4.617%
75	17.593	2508	2511	2516	rVV	578196	911306	18.11%	1.431%
76	17.652	2516	2521	2532	rVB2	2411057	3878726	77.10%	6.091%
77	18.022	2581	2584	2589	rVB3	91896	127413	2.53%	0.200%
78	18.133	2601	2603	2610	rVB3	111257	150464	2.99%	0.236%
79	18.427	2648	2653	2657	rBV3	762049	1198256	23.82%	1.882%
80	18.474	2658	2661	2667	rVB	385484	562872	11.19%	0.884%
81	18.556	2672	2675	2680	rVV2	96146	136723	2.72%	0.215%
82	18.621	2680	2686	2690	rVV2	386983	810613	16.11%	1.273%
83	18.656	2690	2692	2698	rVB	291146	383779	7.63%	0.603%
84	18.921	2733	2737	2741	rBV	192000	252470	5.02%	0.396%
85	19.215	2783	2787	2790	rBV	119150	159382	3.17%	0.250%
86	19.338	2803	2808	2812	rBV	373470	603186	11.99%	0.947%
87	19.473	2828	2831	2840	rBV7	131238	285901	5.68%	0.449%
88	19.596	2848	2852	2858	rVB	1062081	1538421	30.58%	2.416%
89	19.685	2864	2867	2873	rVB6	187009	287486	5.71%	0.451%
90	19.749	2874	2878	2882	rBV	169359	236219	4.70%	0.371%
91	19.937	2904	2910	2913	rBV	2938345	5030998	100.00%	7.900%
92	20.548	3011	3014	3018	rVB	242992	293434	5.83%	0.461%
93	20.607	3021	3024	3029	rVB	338412	447329	8.89%	0.702%
94	20.748	3044	3048	3051	rBV	311913	440928	8.76%	0.692%
95	20.795	3053	3056	3059	rVB	231885	284441	5.65%	0.447%
96	21.459	3165	3169	3174	rVB2	672679	897039	17.83%	1.409%
97	21.853	3228	3236	3241	rBV3	2179888	4703288	93.49%	7.386%
98	21.900	3241	3244	3256	rVB	694924	1240904	24.67%	1.949%
99	24.996	3764	3771	3779	rBV3	1228229	3083849	61.30%	4.843%
100	25.225	3803	3810	3821	rVB2	1091547	3092882	61.48%	4.857%

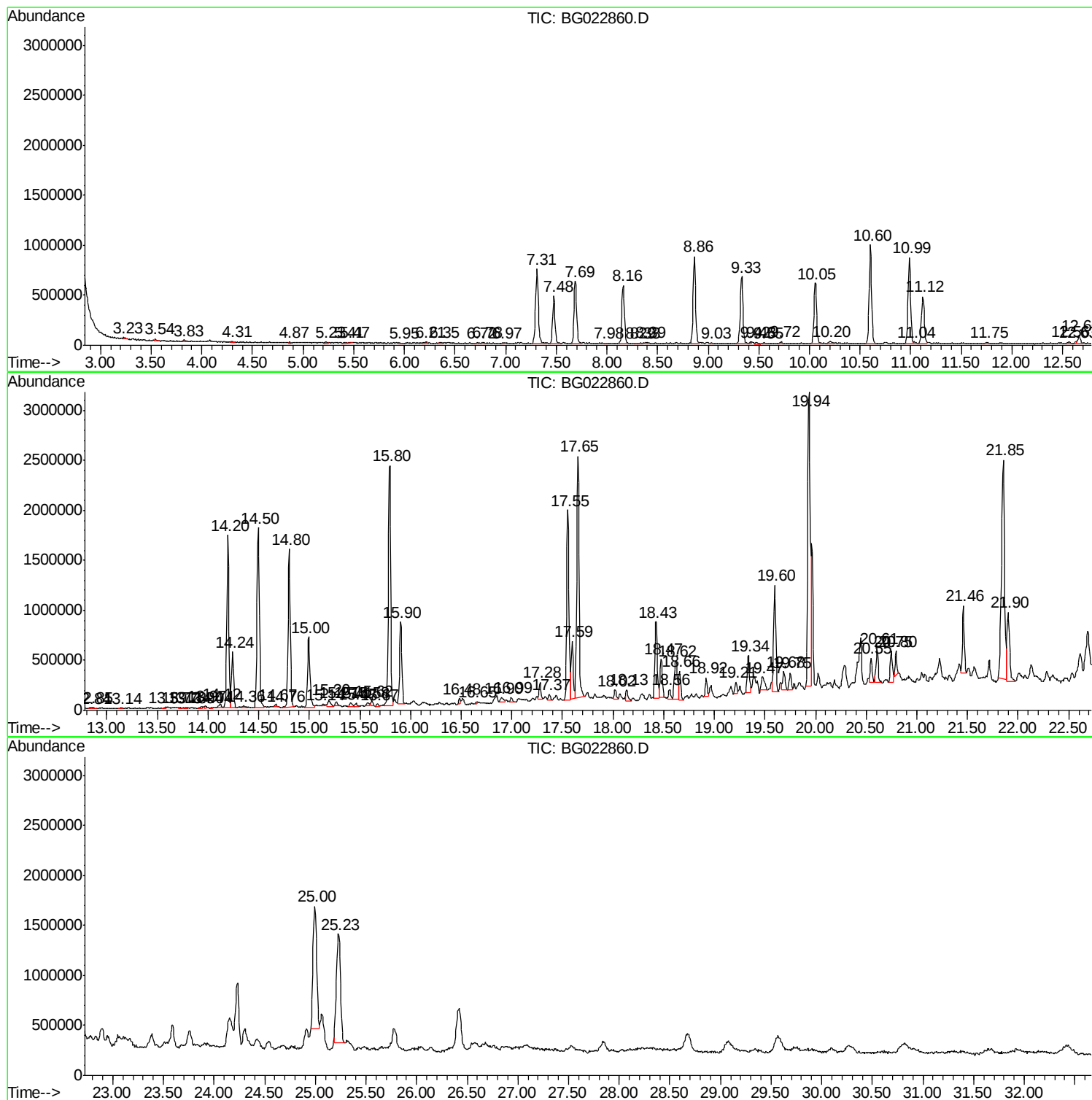
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION

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



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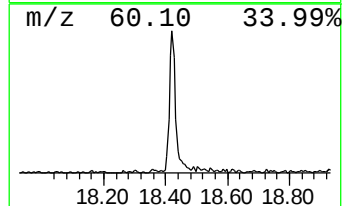
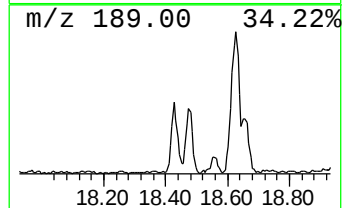
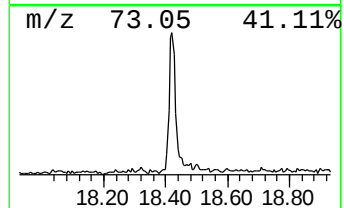
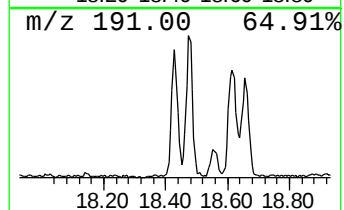
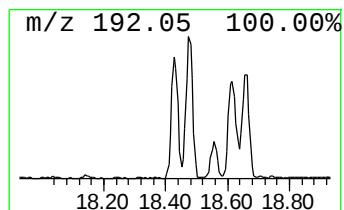
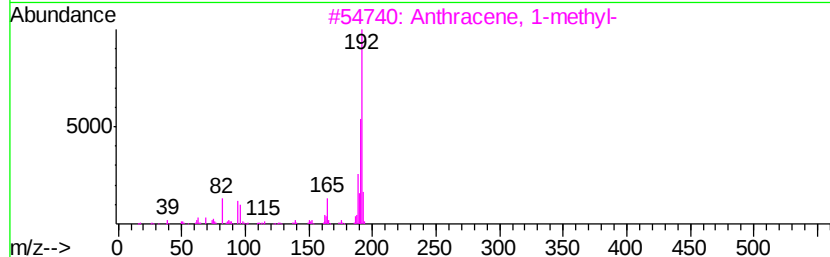
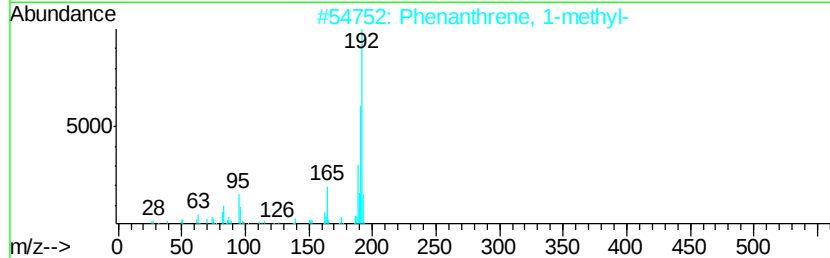
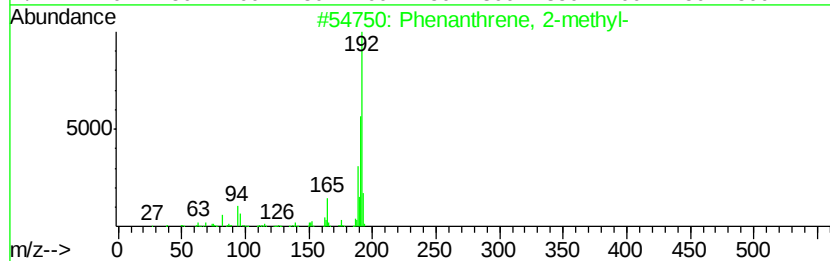
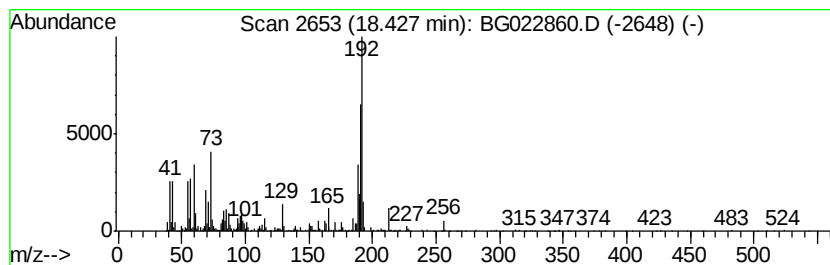
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	8.15 ng/ul	1198260	Phenanthrene-d10	17.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	91
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91



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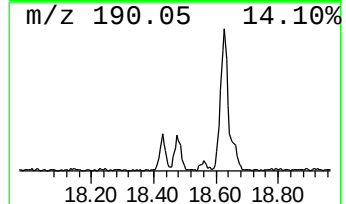
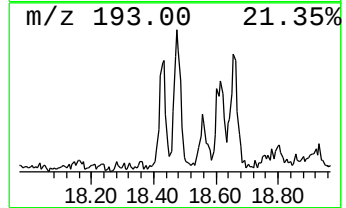
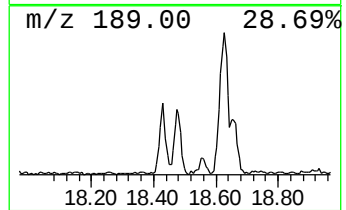
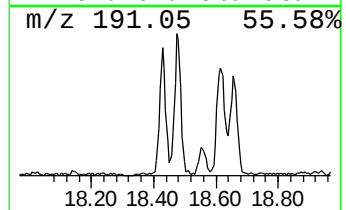
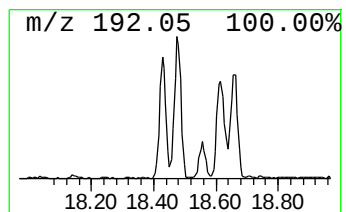
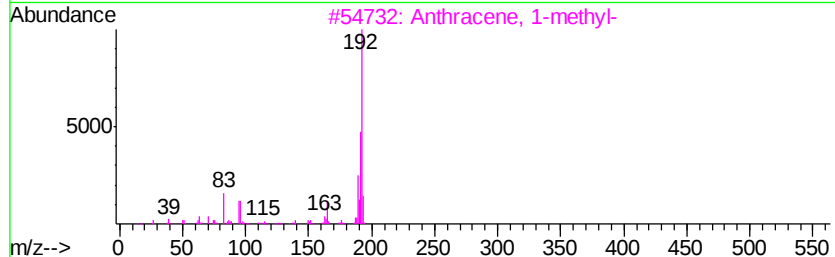
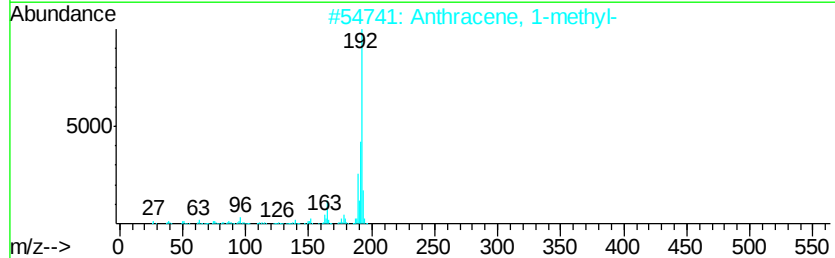
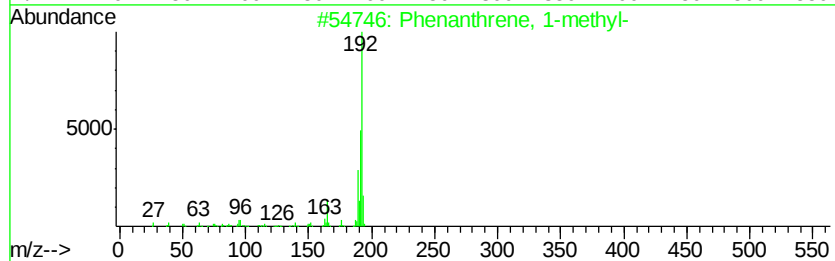
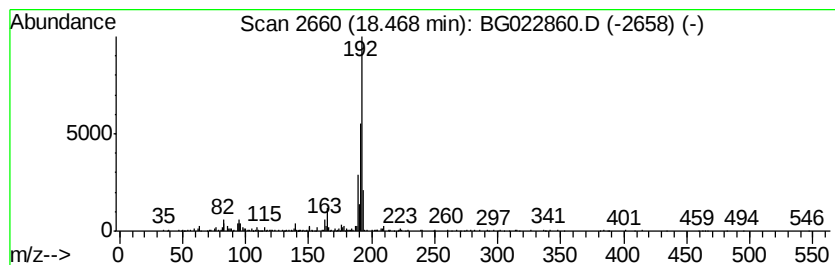
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	3.83 ng/ul	562872	Phenanthrene-d10	17.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



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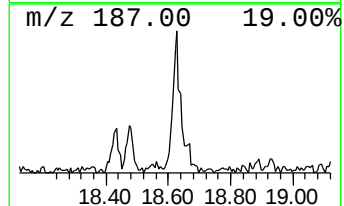
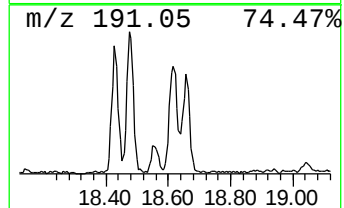
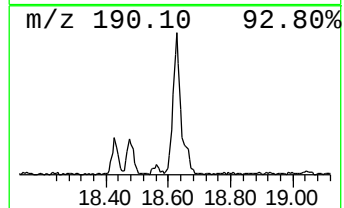
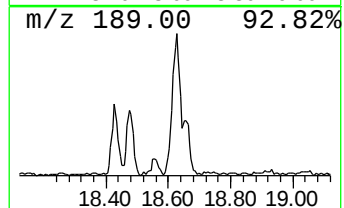
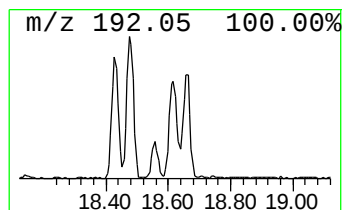
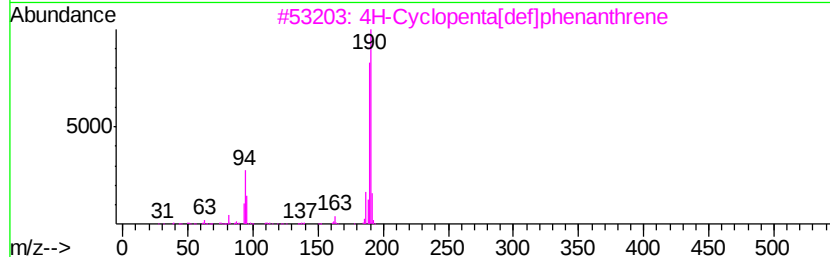
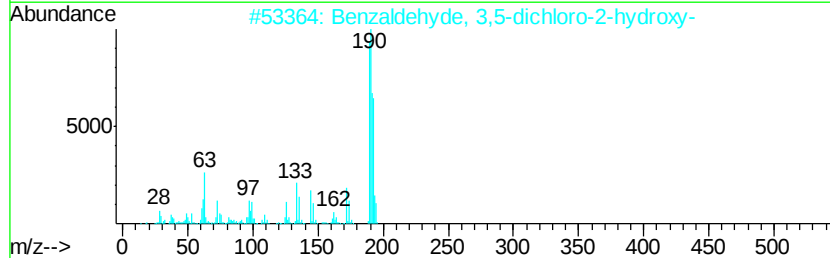
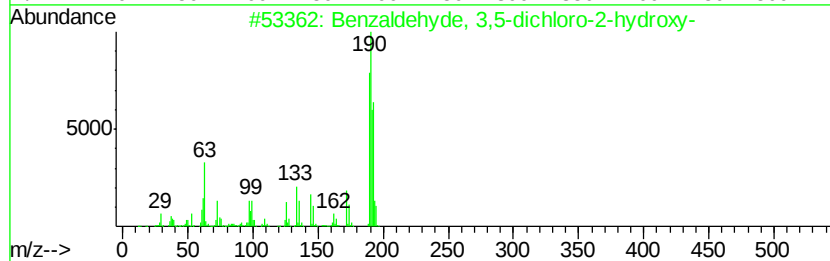
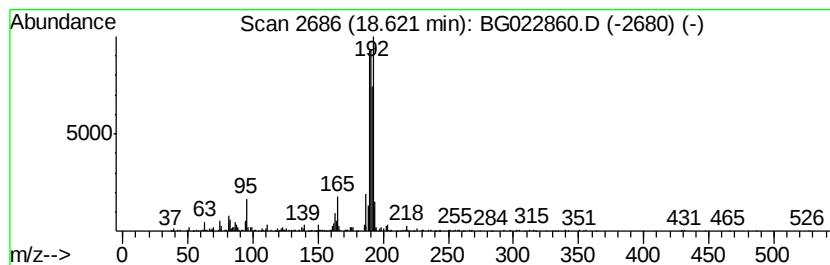
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Peak Number 3 Benzaldehyde, 3,5-dichloro-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	5.51 ng/ul	810613	Phenanthrene-d10	17.55

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2			Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	46
5			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46



Data Path : Z:\HPCHEM1\BNA G\DATA\BG070516\
Data File : BG022860.D
Acq On : 5 Jul 2016 21:26
Operator : UM/SJ
Sample : H3811-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4TW3

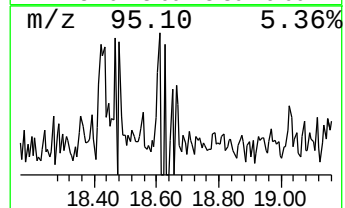
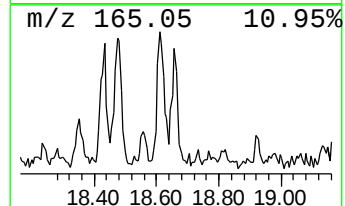
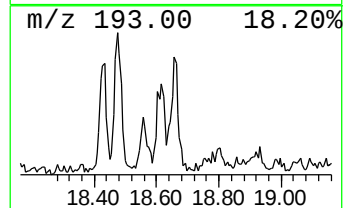
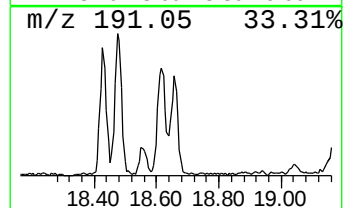
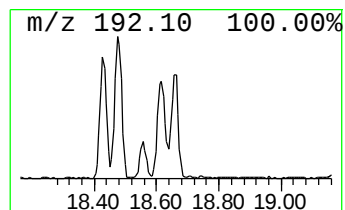
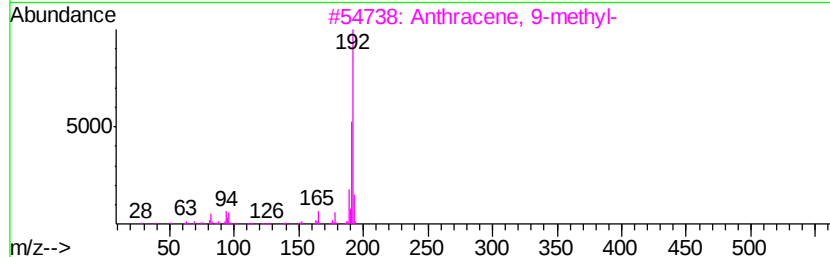
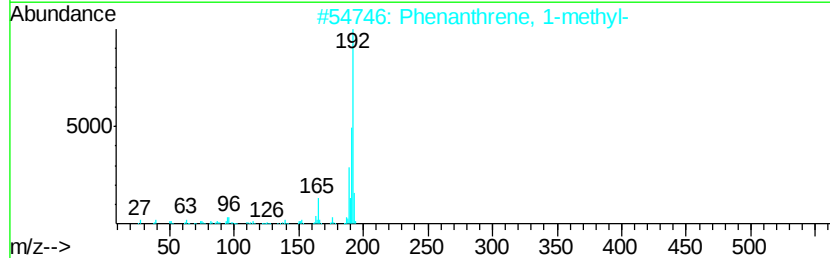
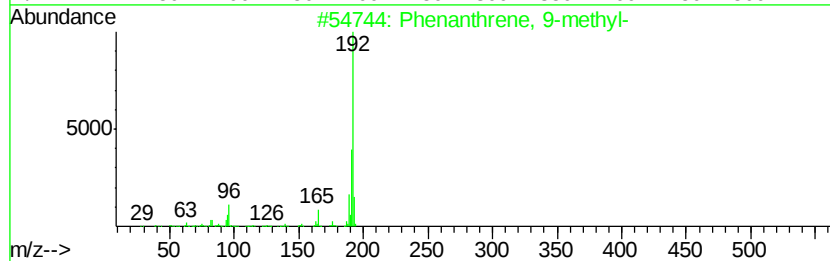
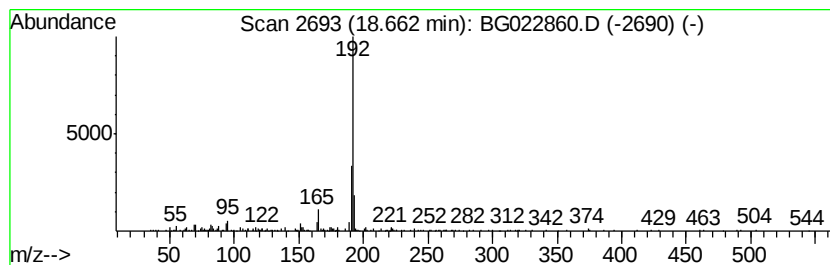
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 4 Phenanthrene, 9-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	2.61 ng/ul	383779	Phenanthrene-d10	17.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	90
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4		1H-Cyclopropa[1,1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	87
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87



Data Path : Z:\HPCHEM1\BNA G\DATA\BG070516\
Data File : BG022860.D
Acq On : 5 Jul 2016 21:26
Operator : UM/SJ
Sample : H3811-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4TW3

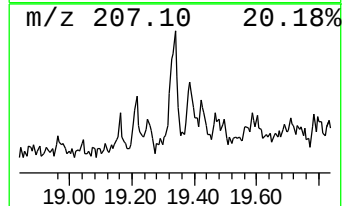
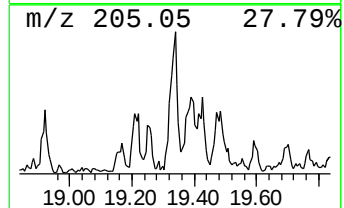
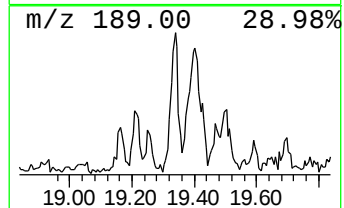
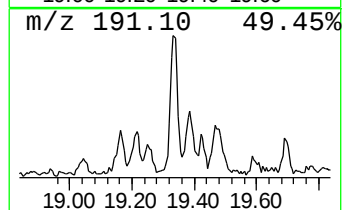
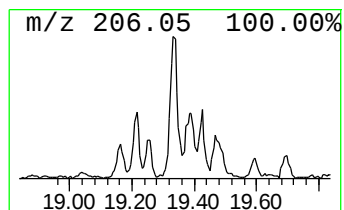
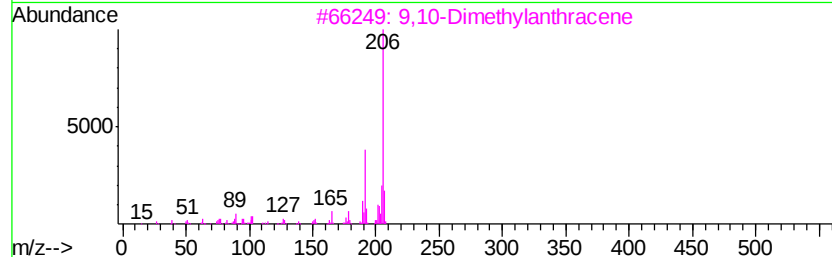
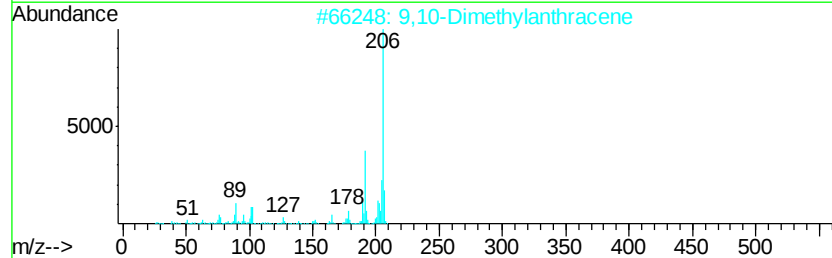
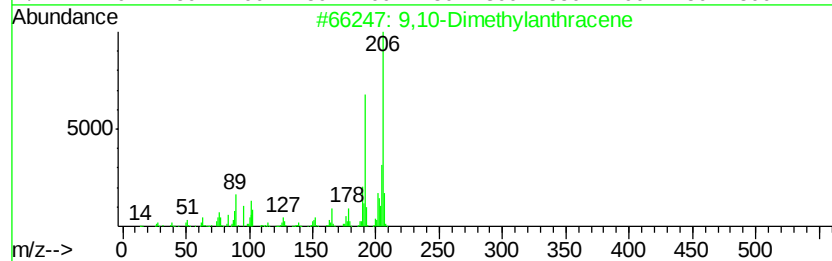
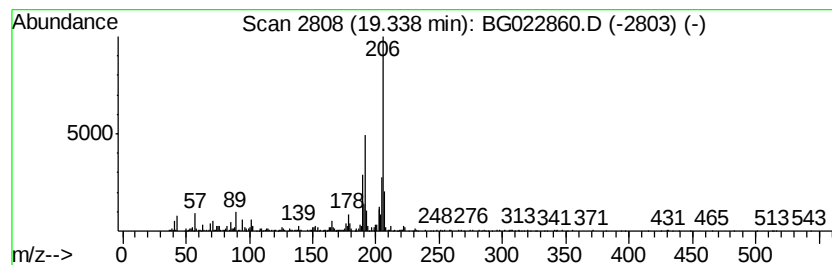
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 9,10-Dimethylantracene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	4.10 ng/ul	603186	Phenanthrene-d10	17.55

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Dimethylantracene	206	C16H14	000781-43-1	96
2			9,10-Dimethylantracene	206	C16H14	000781-43-1	93
3			9,10-Dimethylantracene	206	C16H14	000781-43-1	91
4			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87



Data Path : Z:\HPCHEM1\BNA G\DATA\BG070516\
Data File : BG022860.D
Acq On : 5 Jul 2016 21:26
Operator : UM/SJ
Sample : H3811-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4TW3

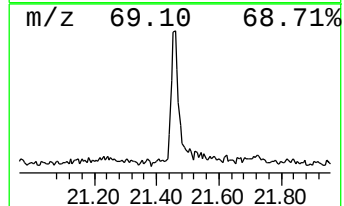
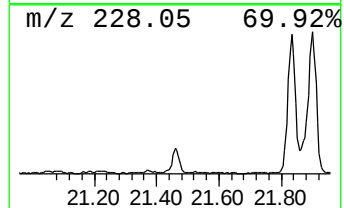
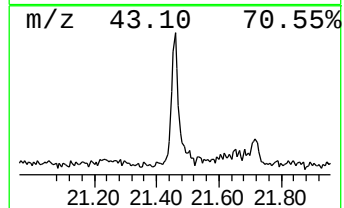
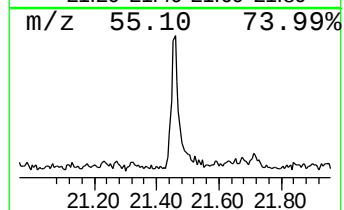
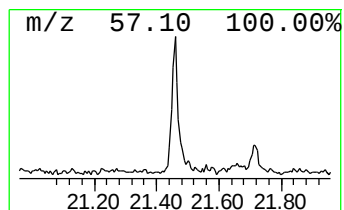
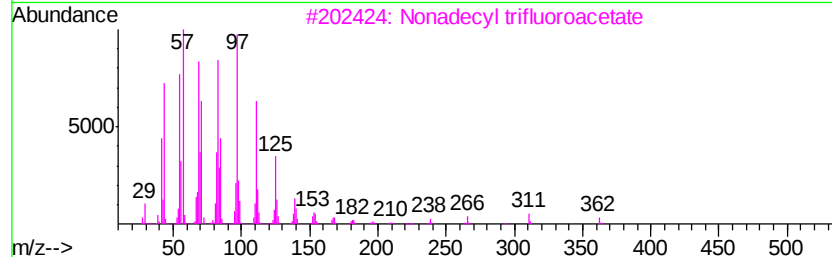
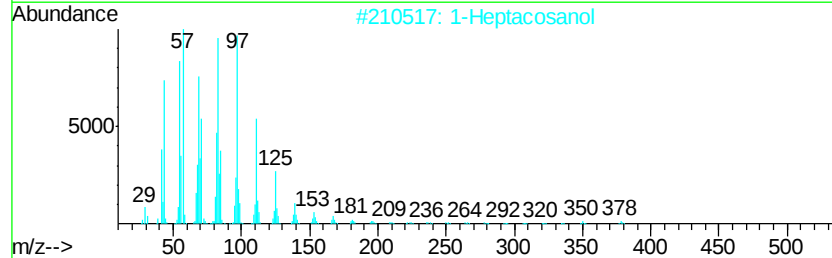
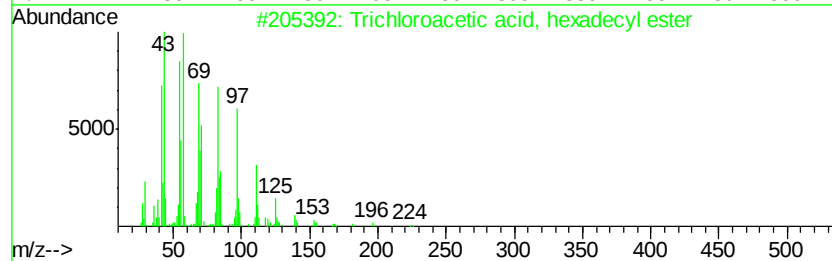
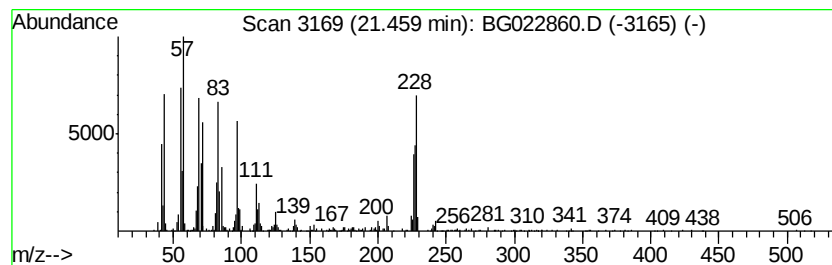
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 6 Trichloroacetic acid, hexad... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.46	3.81 ng/ul	897039	Chrysene-d12	21.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	60
2		1-Heptacosanol	396	C27H56O	002004-39-9	53
3		Nonadecyl trifluoroacetate	380	C21H39F3O2	1000351-76-3	53
4		1-Hentetracontanol	593	C41H84O	040710-42-7	49
5		Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	49



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070516\
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Operator : UM/SJ
Sample : H3811-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4TW3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.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
Phenanthrene, 2-m...	18.43	8.2	ng/ul	1198260	4	17.55	2939970	20.0
Phenanthrene, 1-m...	18.47	3.8	ng/ul	562872	4	17.55	2939970	20.0
Benzaldehyde, 3,5...	18.62	5.5	ng/ul	810613	4	17.55	2939970	20.0
Phenanthrene, 9-m...	18.66	2.6	ng/ul	383779	4	17.55	2939970	20.0
9,10-Dimethylanthe...	19.34	4.1	ng/ul	603186	4	17.55	2939970	20.0
Trichloroacetic a...	21.46	3.8	ng/ul	897039	5	21.85	4703290	20.0