LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023671.D
Acq On : 13 Aug 2016 00:44
Operator : UM/SJ
Sample : H4385-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS004-1218-01

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 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-BG080416.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	3.172	52	57	64	rBV2	35722	52362	0.67%	0.067%
2	3.260	68	72	78	rBV6	18671	35315	0.45%	0.045%
3	3.483	106	110	115	rBV2	25497	40005	0.51%	0.051%
4	4.018	195	201	207	rBV	41044	69341	0.88%	0.089%
5	7.272	748	755	765	rBV	540179	993414	12.63%	1.270%
6	7.431	775	782	790	rBV	425610	708605	9.01%	0.906%
7	7.642	811	818	827	rBV	531376	918591	11.68%	1.174%
8	8.112	890	898	906	rBV	468472	807390	10.26%	1.032%
9	8.829	1011	1020	1032	rBV	636963	1141543	14.51%	1.459%
10	9.293	1091	1099	1108	rVB	524467	977699	12.43%	1.250%
11	9.405	1111	1118	1131	rVB4	29436	84699	1.08%	0.108%
12	10.021	1215	1223	1232	rBV	489523	871626	11.08%	1.114%
13	10.574	1309	1317	1327	rVV2	671652	1302341	16.56%	1.664%
14	10.950	1372	1381	1389	rBV	684327	1282195	16.30%	1.639%
15	11.091	1397	1405	1417	rBV	446381	876242	11.14%	1.120%
16	12.829	1696	1701	1709	rVB4	17745	37441	0.48%	0.048%
17	13.957	1886	1893	1899	rVB8	21850	48640	0.62%	0.062%
18	14.110	1911	1919	1923	rBV3	36435	72327	0.92%	0.092%
19	14.180	1923	1931	1935	rVV	1387104	2046509	26.02%	2.616%
20	14.227	1935	1939	1945	rVB	930720	1355907	17.24%	1.733%
21	14.480	1973	1982	1996	rBV	1462801	2562146	32.57%	3.275%
22	14.791	2023	2035	2042	rBV2	1068660	1839381	23.38%	2.351%
23	14.856	2042	2046	2052	rVB5	28367	48822	0.62%	0.062%
24	15.009	2064	2072	2086	rBV	511268	1136245	14.45%	1.452%
25	15.156	2093	2097	2099	rBV5	24846	40022	0.51%	0.051%
26	15.185	2099	2102	2110	rVB7	45392	77431	0.98%	0.099%
27	15.256	2110	2114	2119	rVB3	40842	62649	0.80%	0.080%
28	15.391	2132	2137	2145	rBV5	40082	89620	1.14%	0.115%
29	15.455	2145	2148	2152	rVB4	30889	38912	0.49%	0.050%
30	15.567	2161	2167	2170	rBV5	42345	88515	1.13%	0.113%
31	15.608	2170	2174	2178	rVB3	81552	117512	1.49%	0.150%
32	15.661	2180	2183	2187	rBV2	38782	48545	0.62%	0.062%
33	15.784	2196	2204	2210	rVV	1958307	3023235	38.44%	3.864%
34	15.837	2210	2213	2217	rVV3	40409	63228	0.80%	0.081%

LSC Area Percent Report

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Data File : BG023671.D
Acq On : 13 Aug 2016 00:44
Operator : UM/SJ
Sample : H4385-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS004-1218-01

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 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-BG080416.M
Title : SVOA CALIBRATION

35	15.913	2220	2226	2237	rBV	639561	984369	12.51%	1.258%
36	16.013	2239	2243	2247	rBV7	29847	49283	0.63%	0.063%
37	16.278	2285	2288	2298	rVB10	32292	57562	0.73%	0.074%
38	16.471	2317	2321	2324	rBV	93653	137189	1.74%	0.175%
39	16.654	2346	2352	2356	rBV7	30081	57920	0.74%	0.074%
40	16.842	2378	2384	2389	rBV7	45007	99788	1.27%	0.128%
41	16.894	2390	2393	2399	rBV4	32468	54128	0.69%	0.069%
42	16.988	2407	2409	2416	rVB7	39543	65736	0.84%	0.084%
43	17.071	2416	2423	2428	rBV10	43968	129093	1.64%	0.165%
44	17.206	2442	2446	2453	rBV6	44606	84628	1.08%	0.108%
45	17.270	2453	2457	2463	rBV	109378	152383	1.94%	0.195%
46	17.370	2470	2474	2479	rVB2	65523	103355	1.31%	0.132%
47	17.417	2479	2482	2487	rBV5	41413	57583	0.73%	0.074%
48	17.552	2499	2505	2509	rBV2	1342380	2144390	27.26%	2.741%
49	17.594	2509	2512	2517	rVV	807549	1124519	14.30%	1.437%
50	17.652	2517	2522	2532	rVV	2036719	3278176	41.68%	4.190%
51	17.740	2532	2537	2543	rVB5	50426	107282	1.36%	0.137%
52	17.817	2547	2550	2555	rBV7	26732	50011	0.64%	0.064%
53	17.964	2573	2575	2581	rVB4	40548	62614	0.80%	0.080%
54	18.016	2581	2584	2588	rVB	61693	75203	0.96%	0.096%
55	18.069	2590	2593	2596	rVB3	54872	65940	0.84%	0.084%
56	18.140	2600	2605	2612	rVB2	115937	193173	2.46%	0.247%
57	18.281	2625	2629	2637	rVB2	75807	152777	1.94%	0.195%
58	18.363	2638	2643	2648	rBV8	61797	108651	1.38%	0.139%
59	18.422	2648	2653	2659	rBV2	707597	1238694	15.75%	1.583%
60	18.481	2659	2663	2668	rVB	487939	727635	9.25%	0.930%
61	18.563	2673	2677	2681	rVB2	101764	140105	1.78%	0.179%
62	18.622	2681	2687	2691	rBV3	390993	803239	10.21%	1.027%
63	18.663	2691	2694	2698	rVB	279916	393669	5.00%	0.503%
64	18.710	2699	2702	2704	rBV2	32458	36690	0.47%	0.047%
65	18.821	2718	2721	2727	rVB2	74137	102748	1.31%	0.131%
66	18.921	2734	2738	2743	rBV	245329	367323	4.67%	0.469%
67	18.980	2743	2748	2756	rVB3	176214	338581	4.30%	0.433%
68	19.138	2773	2775	2776	rBV2	55832	42678	0.54%	0.055%
69	19.168	2777	2780	2785	rVV2	132365	187469	2.38%	0.240%
70	19.221	2785	2789	2792	rVV	209778	247547	3.15%	0.316%
71	19.262	2792	2796	2802	rVB	149751	208048	2.64%	0.266%

LSC Area Percent Report

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Data File : BG023671.D
Acq On : 13 Aug 2016 00:44
Operator : UM/SJ
Sample : H4385-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS004-1218-01

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 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-BG080416.M
Title : SVOA CALIBRATION

72	19.338	2804	2809	2814	rBV	532900	856686	10.89%	1.095%
73	19.397	2814	2819	2823	rVV4	167085	339344	4.31%	0.434%
74	19.432	2823	2825	2829	rVB	171608	188222	2.39%	0.241%
75	19.491	2829	2835	2840	rBV5	241643	559479	7.11%	0.715%
76	19.608	2849	2855	2861	rVB	1826397	2674337	34.00%	3.418%
77	19.667	2861	2865	2866	rBV	123203	147842	1.88%	0.189%
78	19.697	2867	2870	2876	rVB4	189837	319398	4.06%	0.408%
79	19.761	2878	2881	2884	rBV	112176	131175	1.67%	0.168%
80	19.943	2907	2912	2915	rBV	2523190	4050148	51.49%	5.176%
81	19.973	2915	2917	2924	rVV	2140858	2796762	35.56%	3.574%
82	20.043	2924	2929	2934	rVB	302523	442187	5.62%	0.565%
83	20.202	2952	2956	2963	rVB6	122842	236096	3.00%	0.302%
84	20.302	2966	2973	2979	rVB5	275364	700603	8.91%	0.895%
85	20.460	2991	3000	3007	rVB	396842	1115447	14.18%	1.426%
86	20.560	3014	3017	3021	rBV2	153066	208762	2.65%	0.267%
87	20.625	3024	3028	3032	rVB	412819	545789	6.94%	0.698%
88	20.766	3048	3052	3056	rBV	352658	498142	6.33%	0.637%
89	20.813	3056	3060	3063	rVV	252609	358873	4.56%	0.459%
90	21.247	3130	3134	3141	rVB2	316788	557463	7.09%	0.712%
91	21.477	3170	3173	3179	rVB3	371191	542338	6.89%	0.693%
92	21.535	3179	3183	3188	rBV3	156327	258808	3.29%	0.331%
93	21.735	3211	3217	3223	rVB	5565664	7865771	100.00%	10.053%
94	21.876	3232	3241	3246	rBV3	1621423	4414767	56.13%	5.642%
95	21.929	3246	3250	3261	rVB	995840	1774397	22.56%	2.268%
96	24.202	3630	3637	3644	rBV2	570799	1911352	24.30%	2.443%
97	24.972	3761	3768	3773	rBV	314373	845736	10.75%	1.081%
98	25.054	3774	3782	3789	rVV3	1085916	3175388	40.37%	4.058%
99	25.125	3789	3794	3806	rVB2	629603	1690333	21.49%	2.160%
100	25.277	3814	3820	3829	rVB3	666466	1847902	23.49%	2.362%

Sum of corrected areas: 78242181

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
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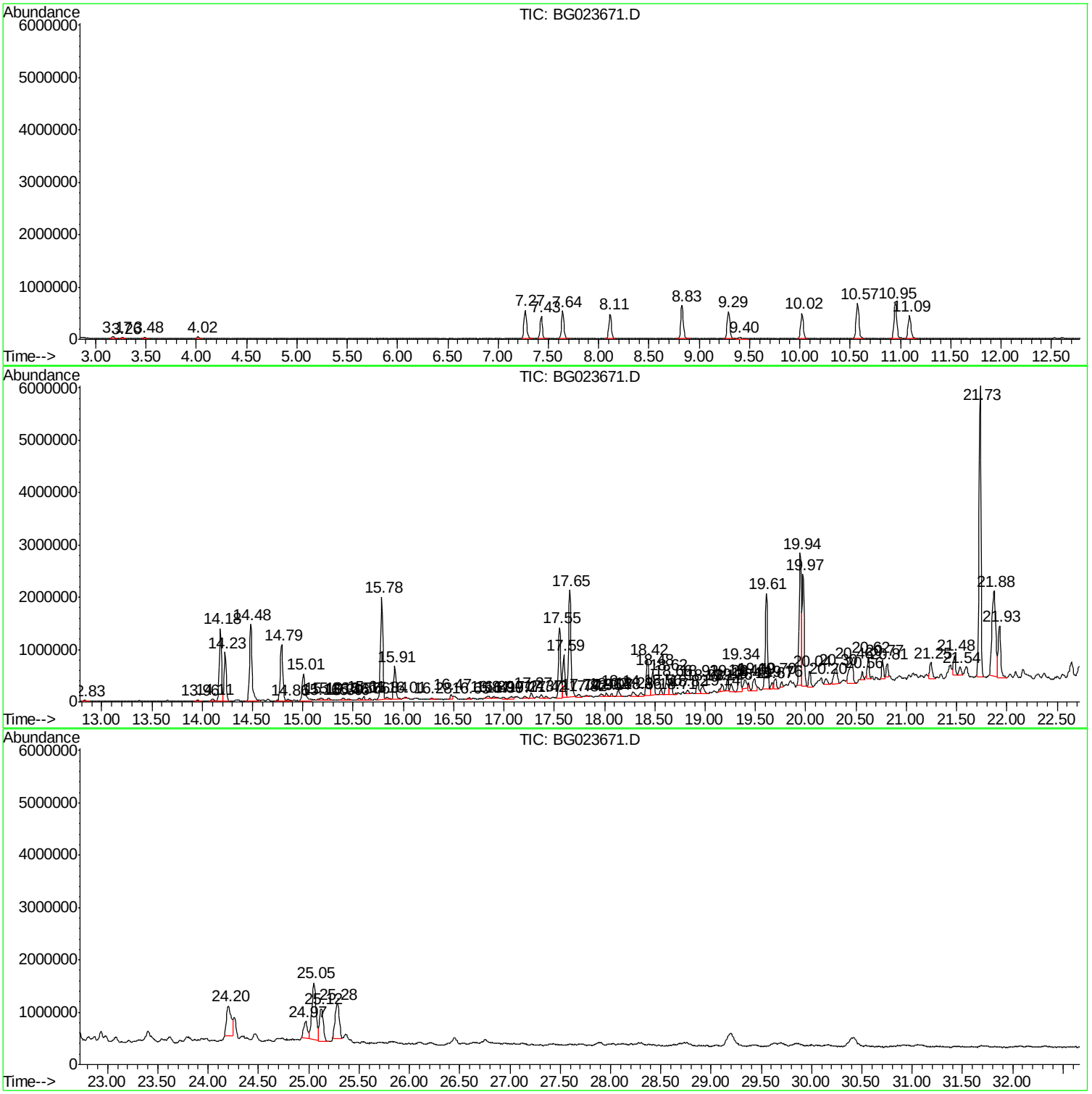
Sample : H4385-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Acq On : 13 Aug 2016 00:44
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Instrument :
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ClientSampleId :
P002-SS004-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

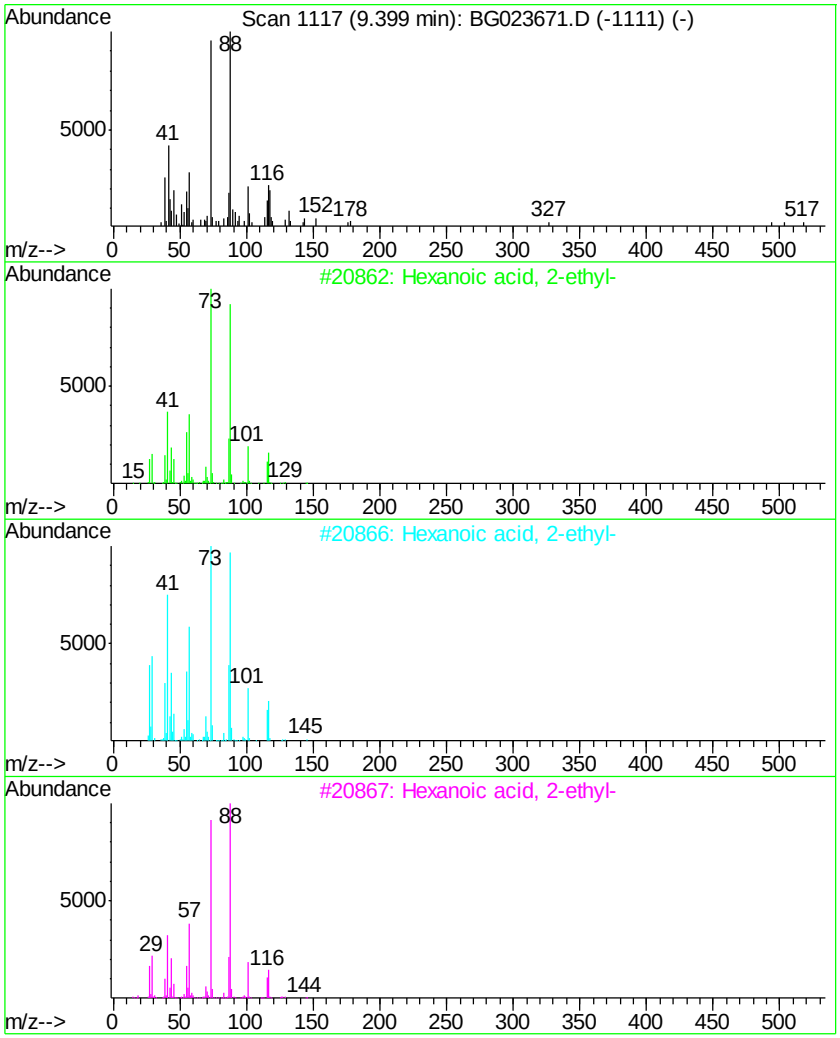
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

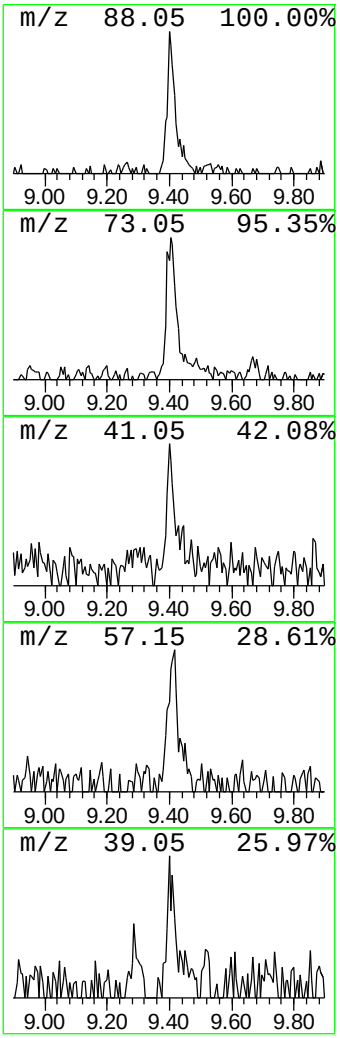
****

Peak Number 1 Hexanoic acid, 2-ethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	2.10 ng/ul	84699	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	59
2	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	53
3	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	45
4	3,5-Dichloro-6-cyanopyridin-2-yl...	291	C9H7Cl2N3S2	1000305-58-3	38
5	Hexadecanoic acid, ethyl ester	284	C18H36O2	000628-97-7	38





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023671.D
Acq On : 13 Aug 2016 00:44
Operator : UM/SJ
Sample : H4385-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS004-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

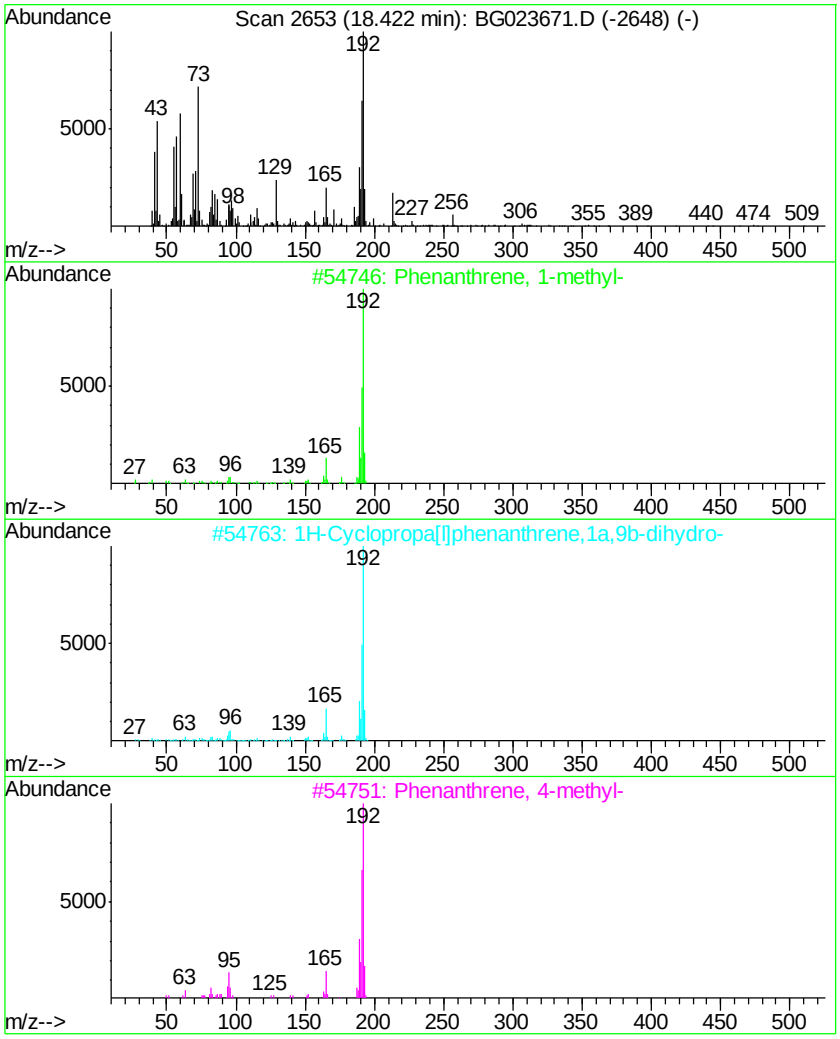
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

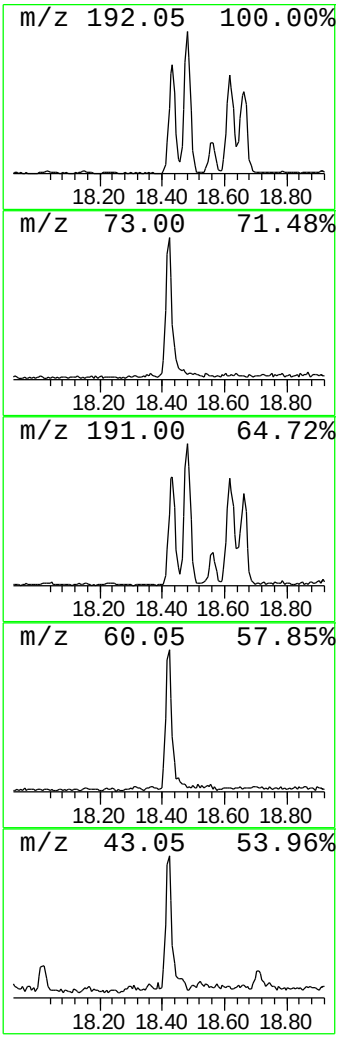
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	11.55 ng/ul	1238690	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	78
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	64





Library Search Compound Report

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Instrument : BNA_G
ClientSampleId : P002-SS004-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

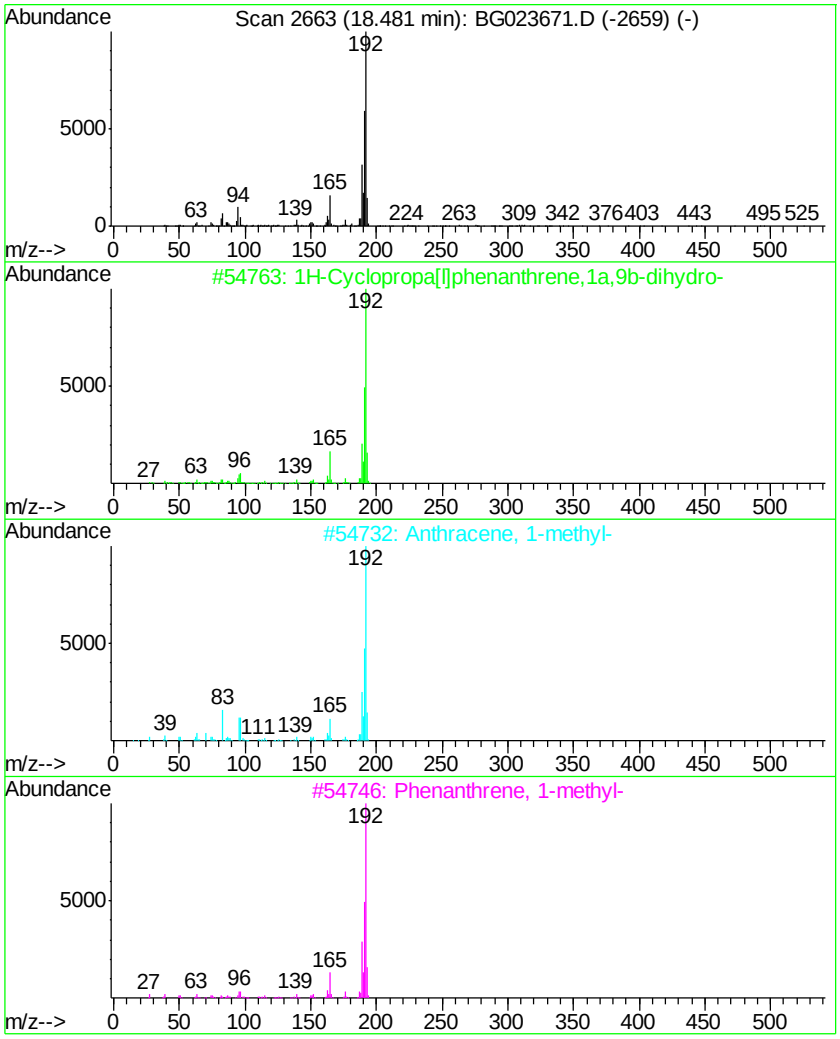
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

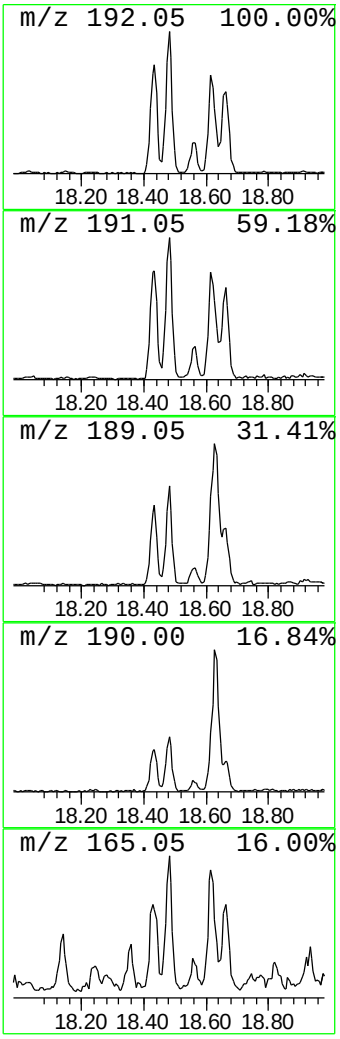
****

Peak Number 3 1H-Cyclopropa[l]phenanthren... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	6.79 ng/ul	727635	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
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Acq On : 13 Aug 2016 00:44
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Sample : H4385-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS004-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

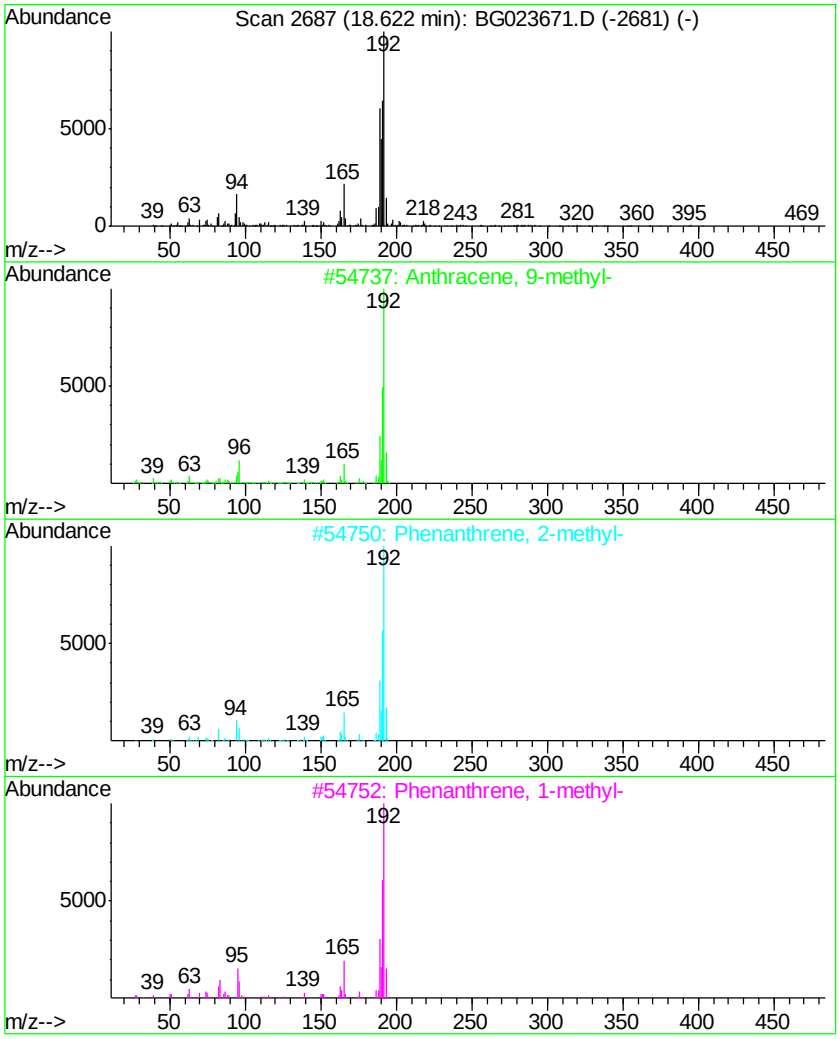
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

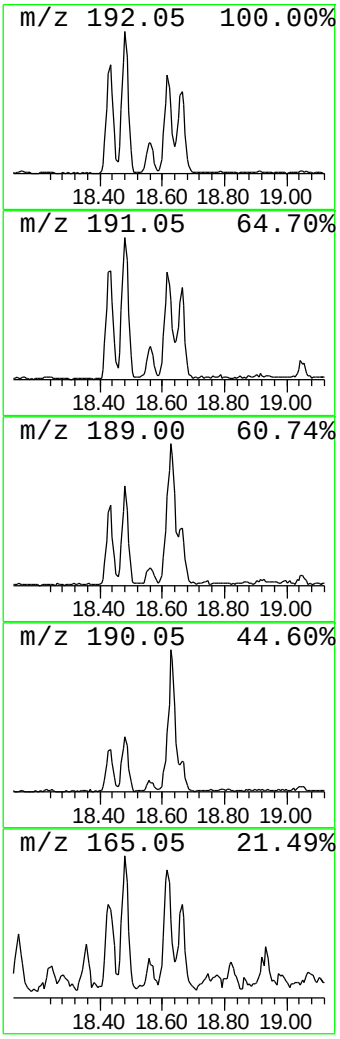
****

Peak Number 4 Anthracene, 9-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	7.49 ng/ul	803239	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	64
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	64
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	60





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023671.D
Acq On : 13 Aug 2016 00:44
Operator : UM/SJ
Sample : H4385-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS004-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

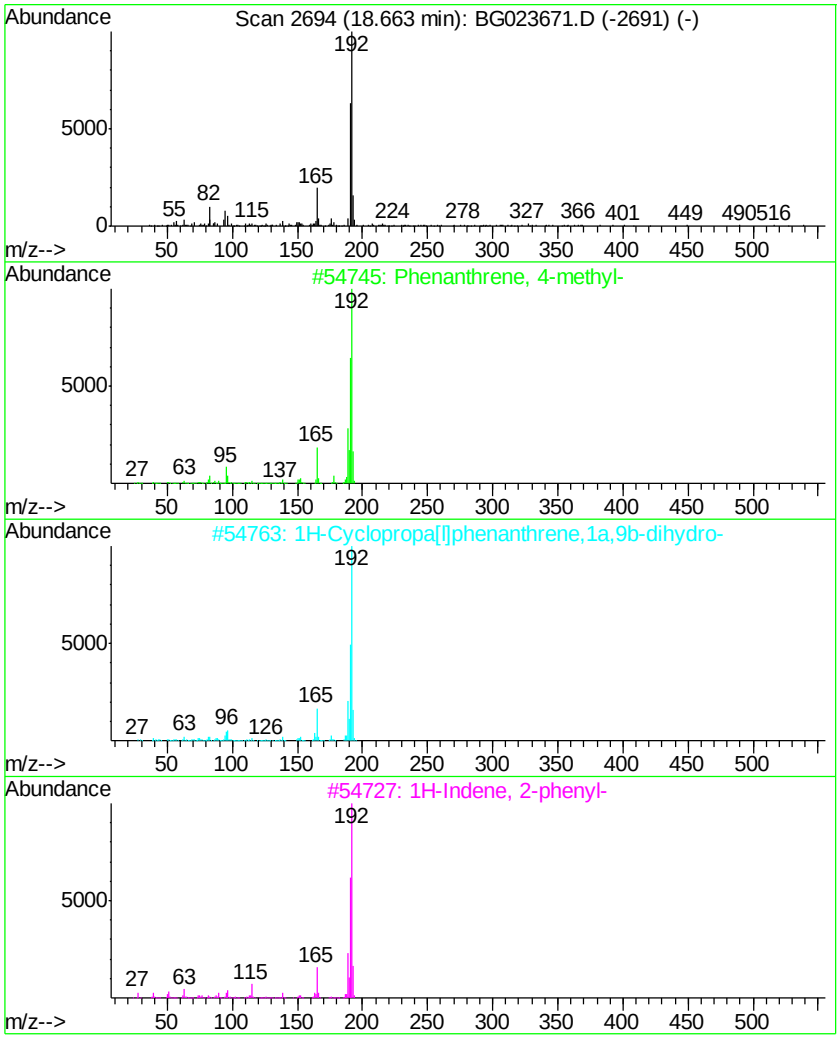
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

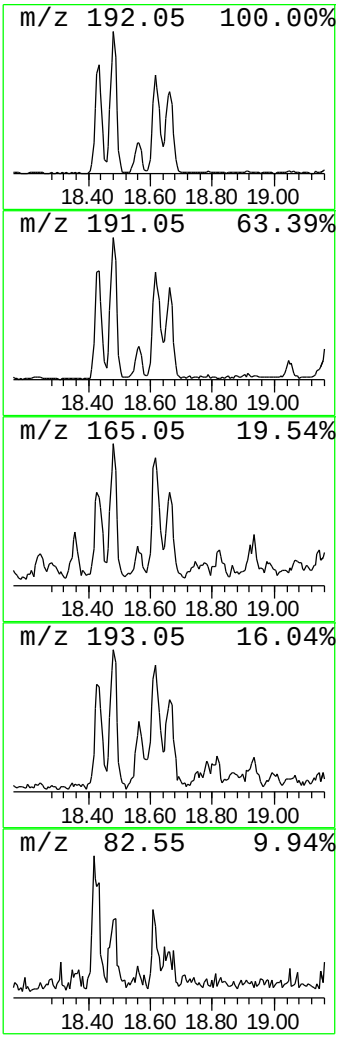
****

Peak Number 5 Phenanthrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	3.67 ng/ul	393669	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87





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Data File : BG023671.D
Acq On : 13 Aug 2016 00:44
Operator : UM/SJ
Sample : H4385-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS004-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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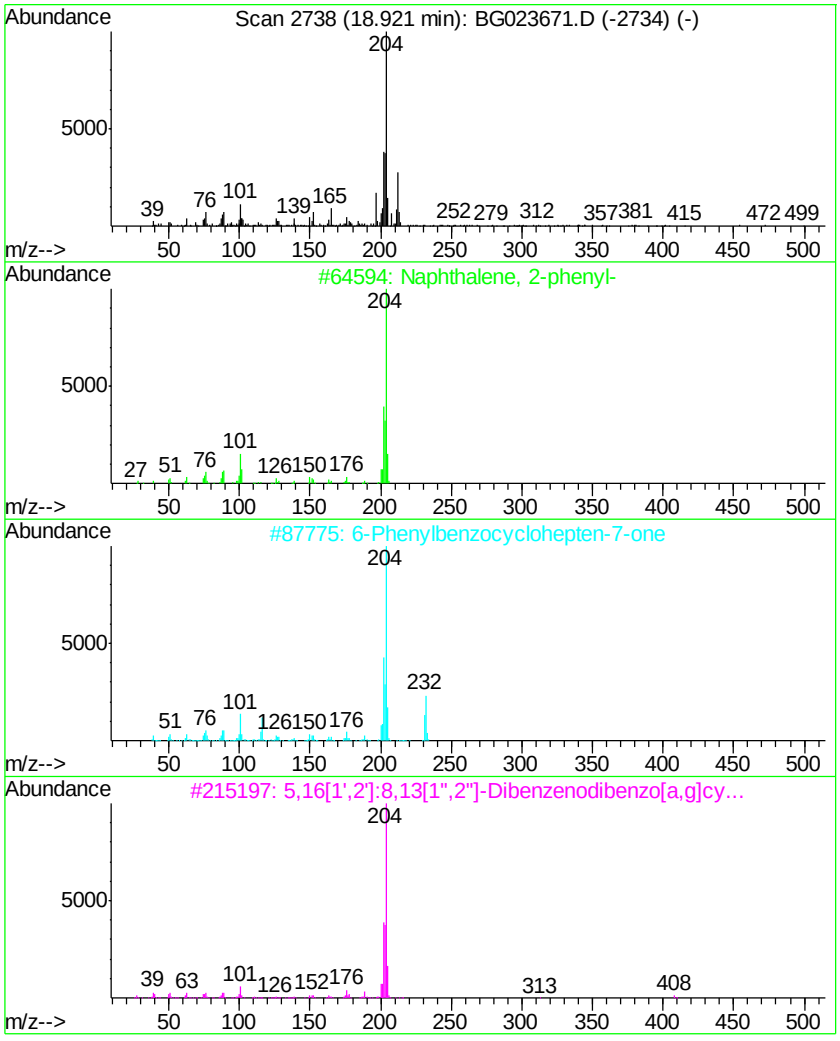
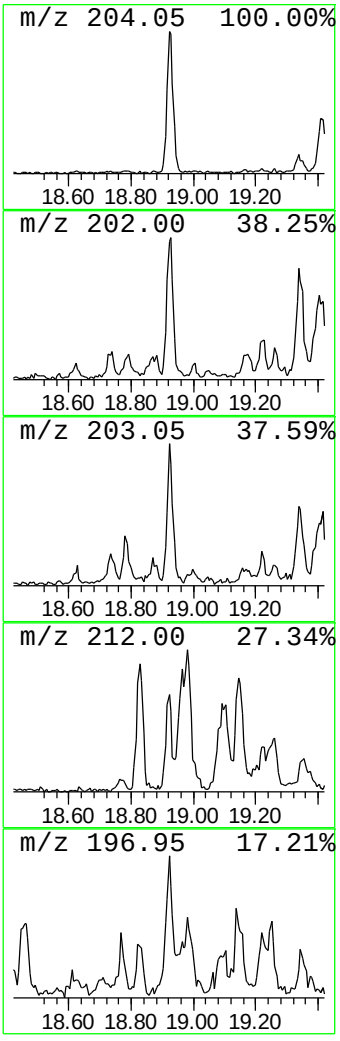
Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	3.43 ng/ul	367323	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	64
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	59
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	55
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	53





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Acq On : 13 Aug 2016 00:44
Operator : UM/SJ
Sample : H4385-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS004-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

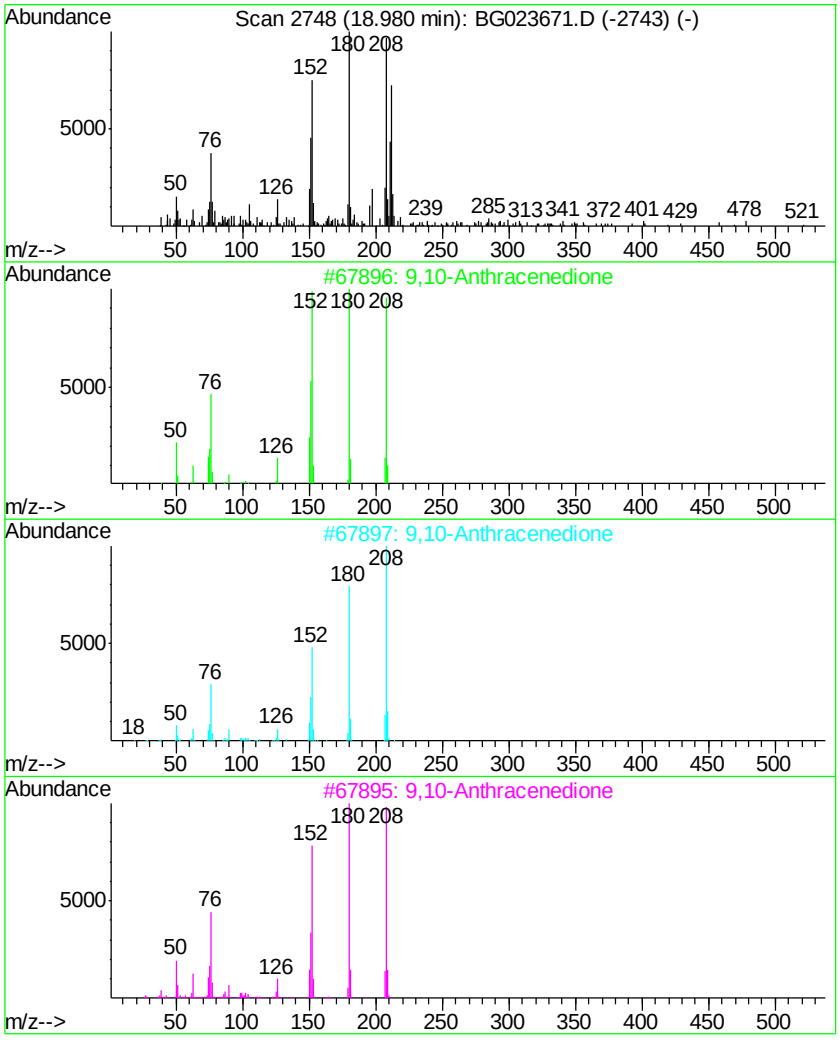
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

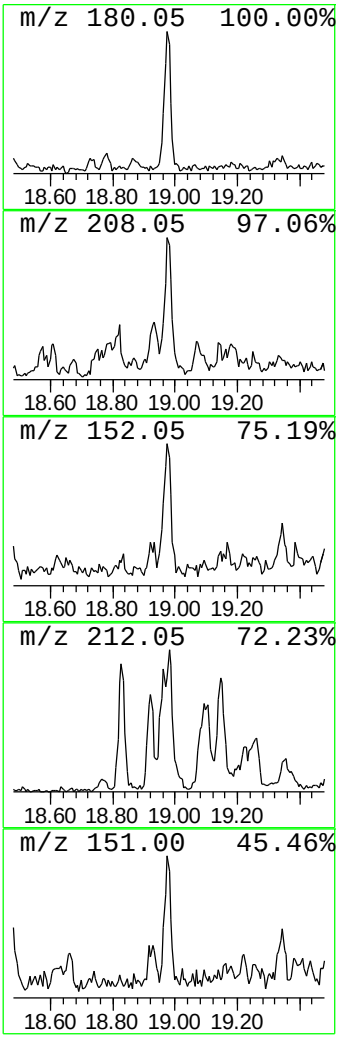
****

Peak Number 7 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.98	3.16 ng/ul	338581	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	86
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	83
4	Anthraquinone-1-carboxylic acid	252	C15H8O4	000602-69-7	64
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	50





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Operator : UM/SJ
Sample : H4385-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS004-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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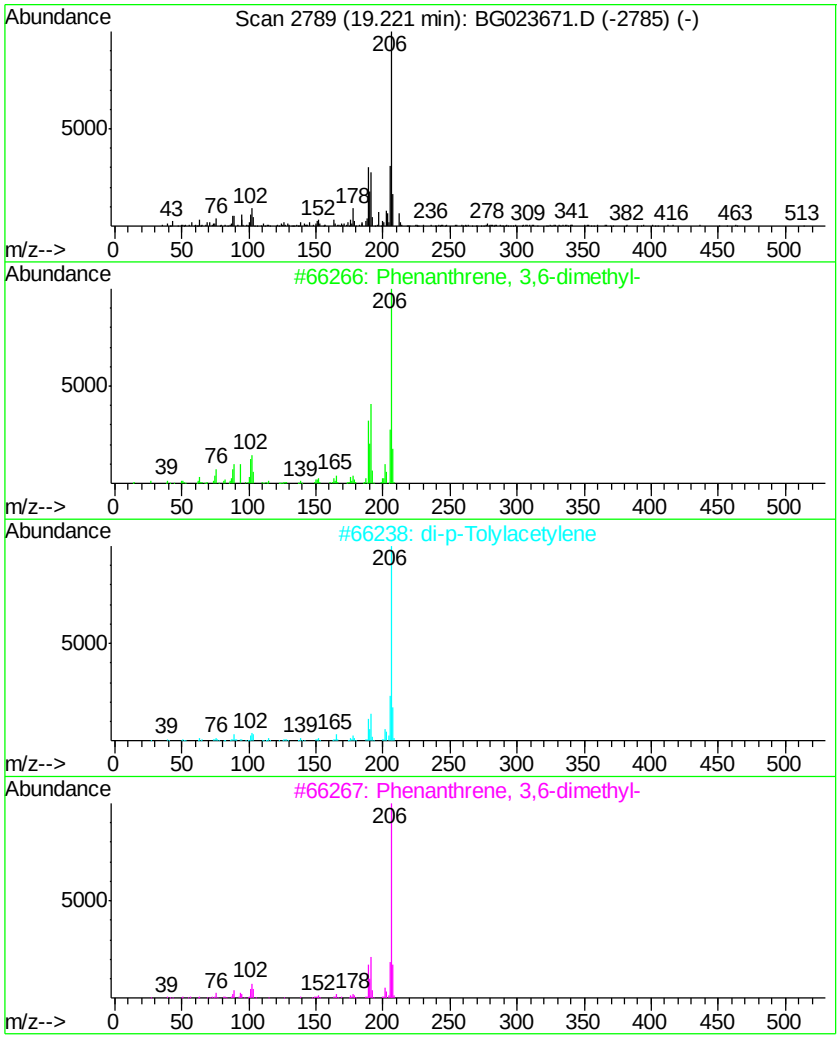
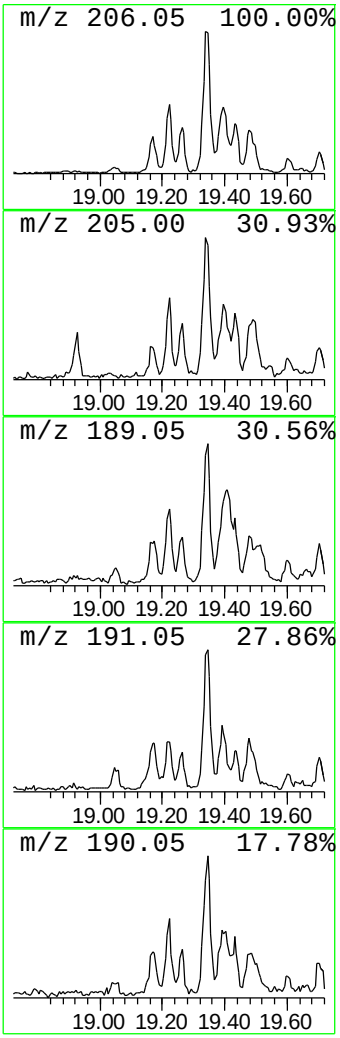
Peak Number 8 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	2.31 ng/ul	247547	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	83





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Data File : BG023671.D
Acq On : 13 Aug 2016 00:44
Operator : UM/SJ
Sample : H4385-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS004-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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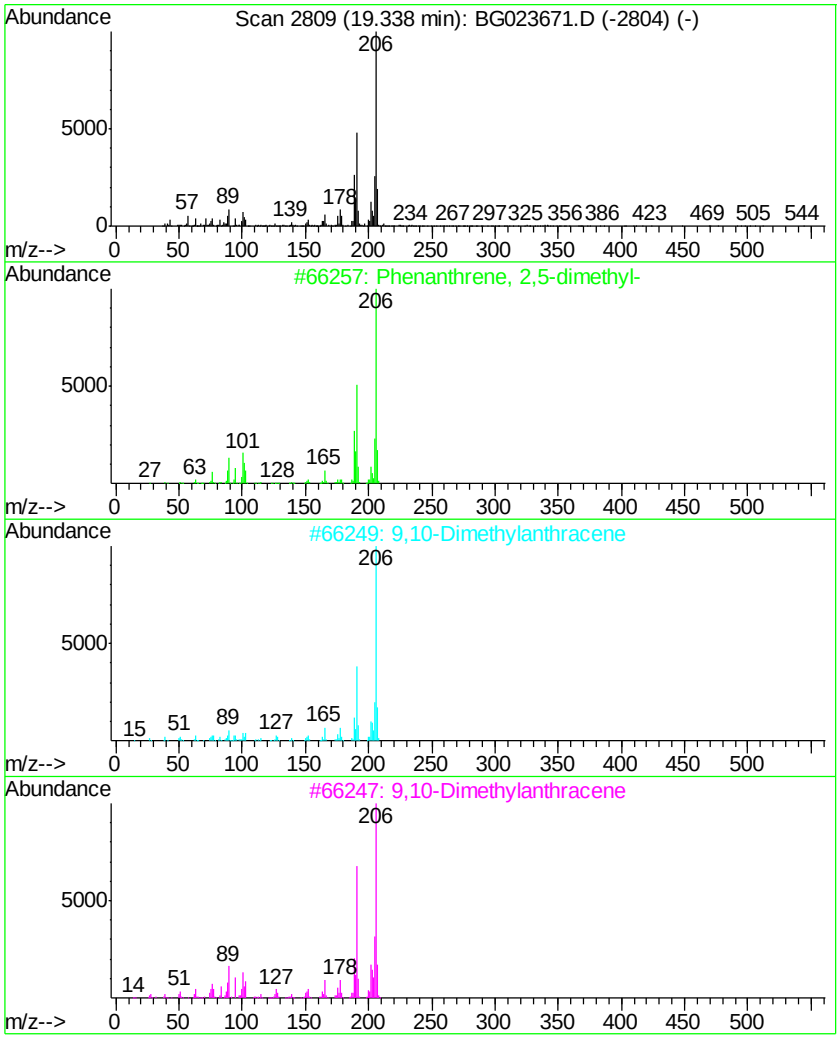
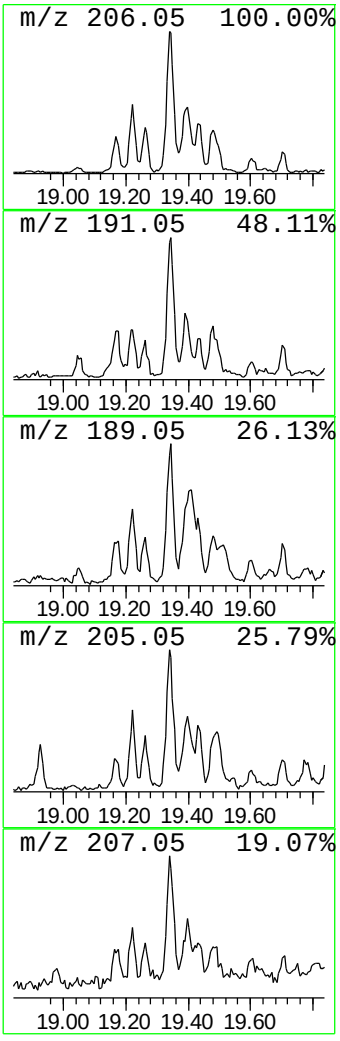
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	7.99 ng/ul	856686	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	90





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Acq On : 13 Aug 2016 00:44
Operator : UM/SJ
Sample : H4385-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS004-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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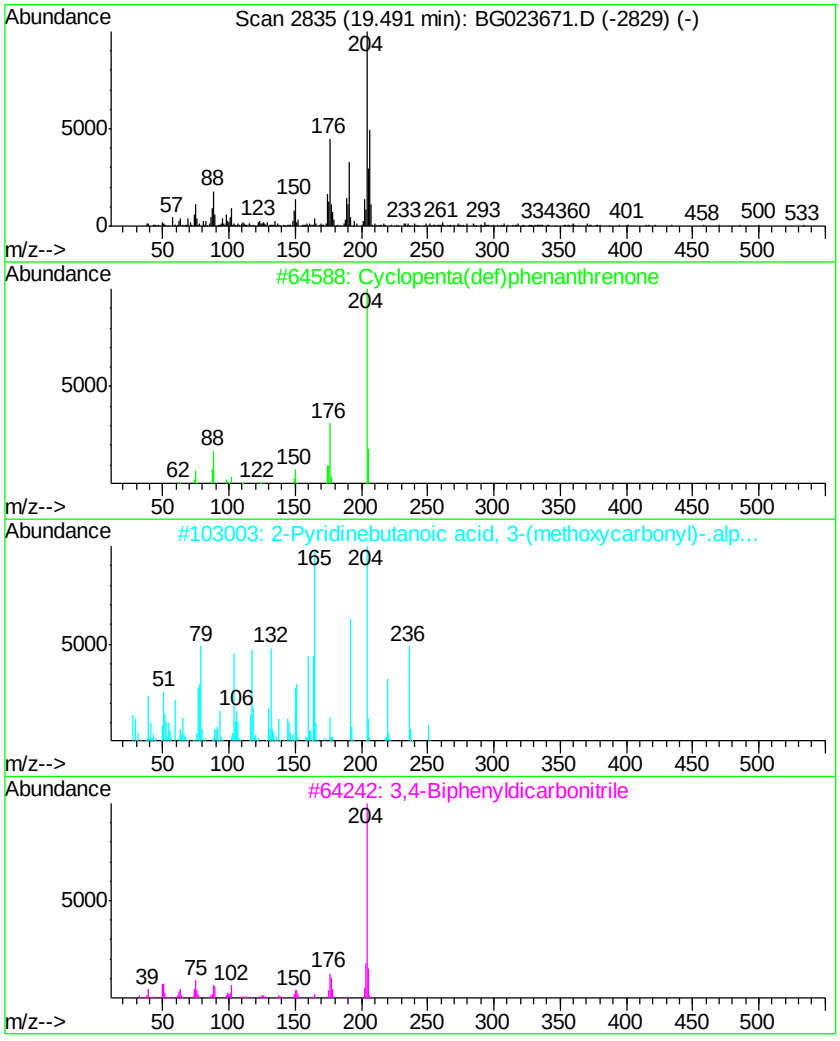
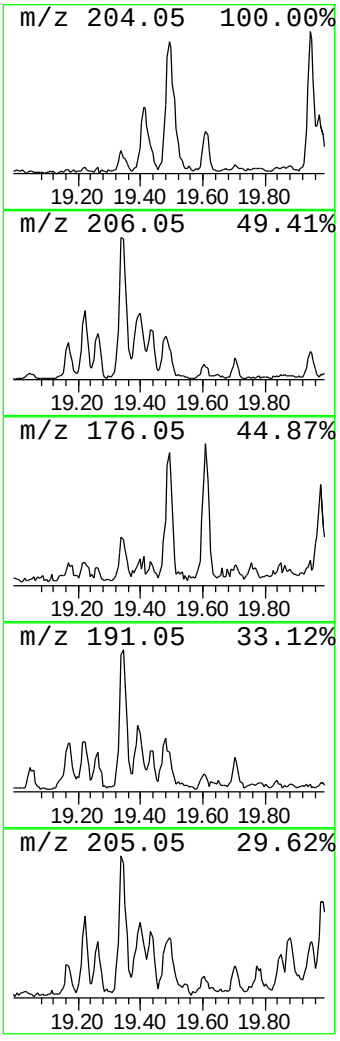
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.49	5.22 ng/ul	559479	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	89
2	2-Pyridinebutanoic acid, 3-(meth...	251	C13H17NO4	041173-81-3	38
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	38
4	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	38
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	37





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Operator : UM/SJ
Sample : H4385-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS004-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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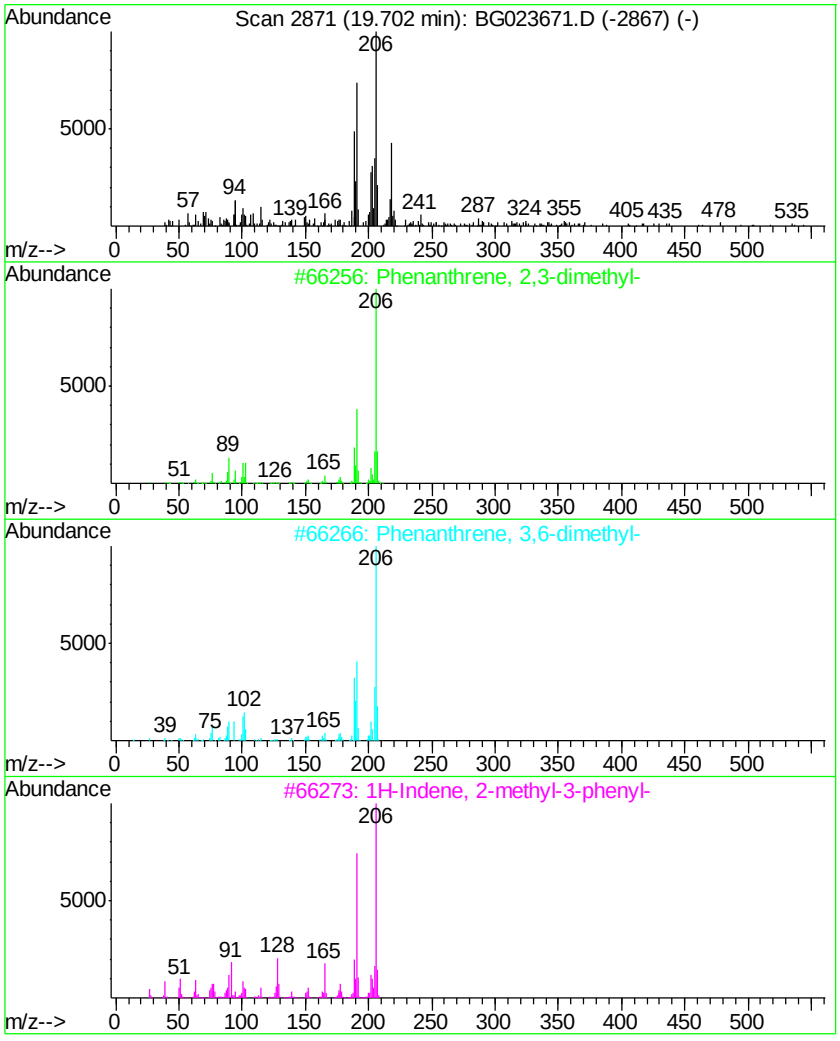
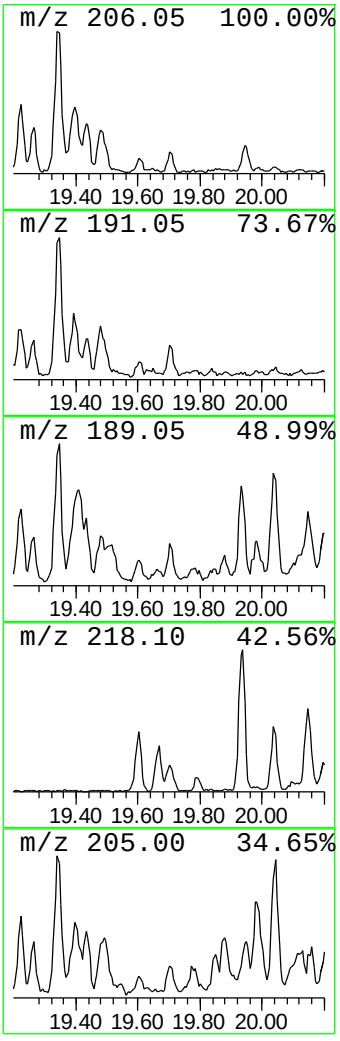
Peak Number 12 Phenanthrene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.70	2.98 ng/ul	319398	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	58
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	55
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	53
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	52
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	50





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Data File : BG023671.D
Acq On : 13 Aug 2016 00:44
Operator : UM/SJ
Sample : H4385-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS004-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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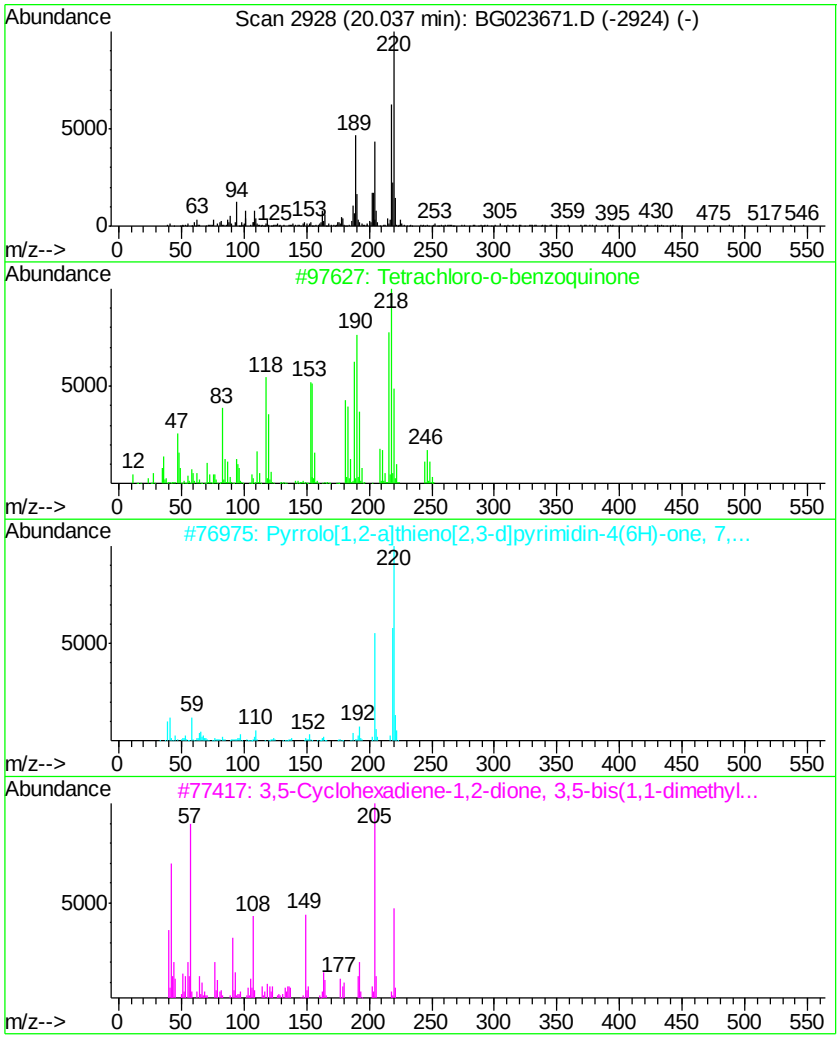
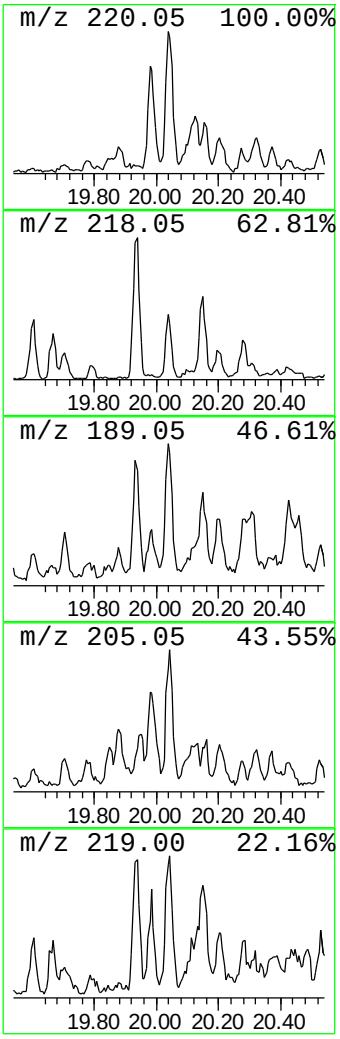
Peak Number 13 unknown-01 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	2.00 ng/ul	442187	Chrysene-d12	21.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrachloro-o-benzoquinone	244	C6Cl4O2	002435-53-2	43
2	Pyrrolo[1,2-a]thieno[2,3-d]pyrim...	220	C11H12N2OS	056929-61-4	43
3	3,5-Cyclohexadiene-1,2-dione, 3,...	220	C14H20O2	003383-21-9	38
4	Phenmethylcynide, .alpha.,.alpha...	220	C11H12N2O3	1000128-94-6	38
5	Naphthalene, 1-phenoxy-	220	C16H12O	003402-76-4	38





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Acq On : 13 Aug 2016 00:44
Operator : UM/SJ
Sample : H4385-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS004-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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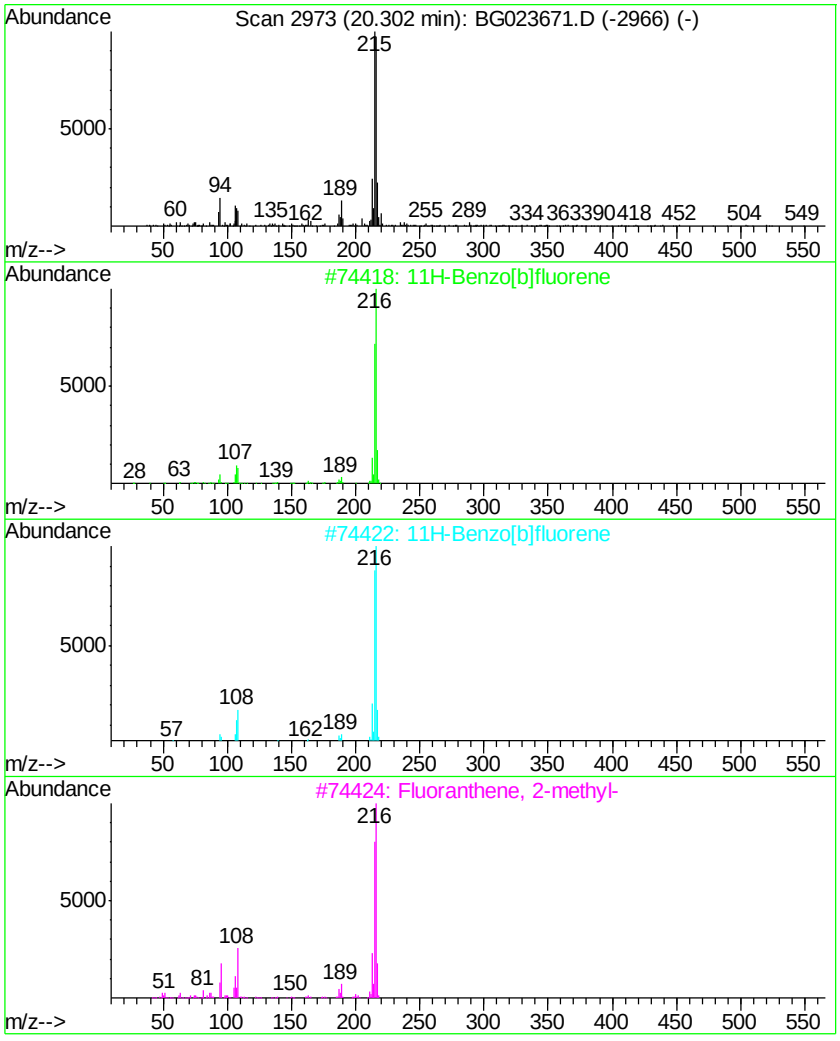
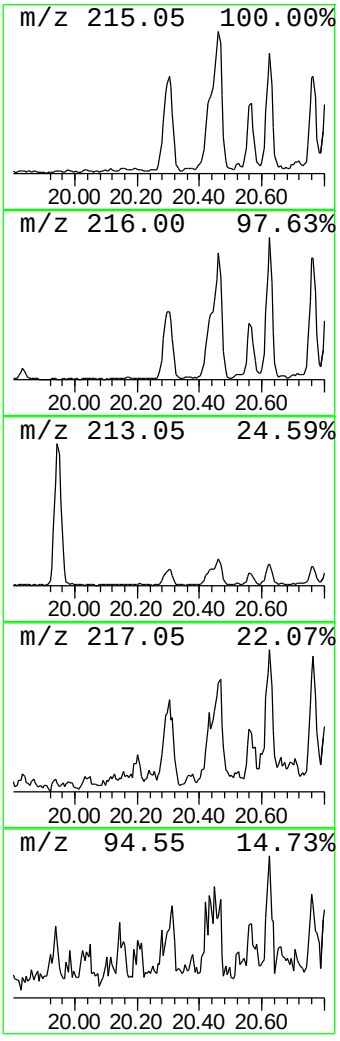
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.30	3.17 ng/ul	700603	Chrysene-d12	21.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74





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Acq On : 13 Aug 2016 00:44
Operator : UM/SJ
Sample : H4385-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS004-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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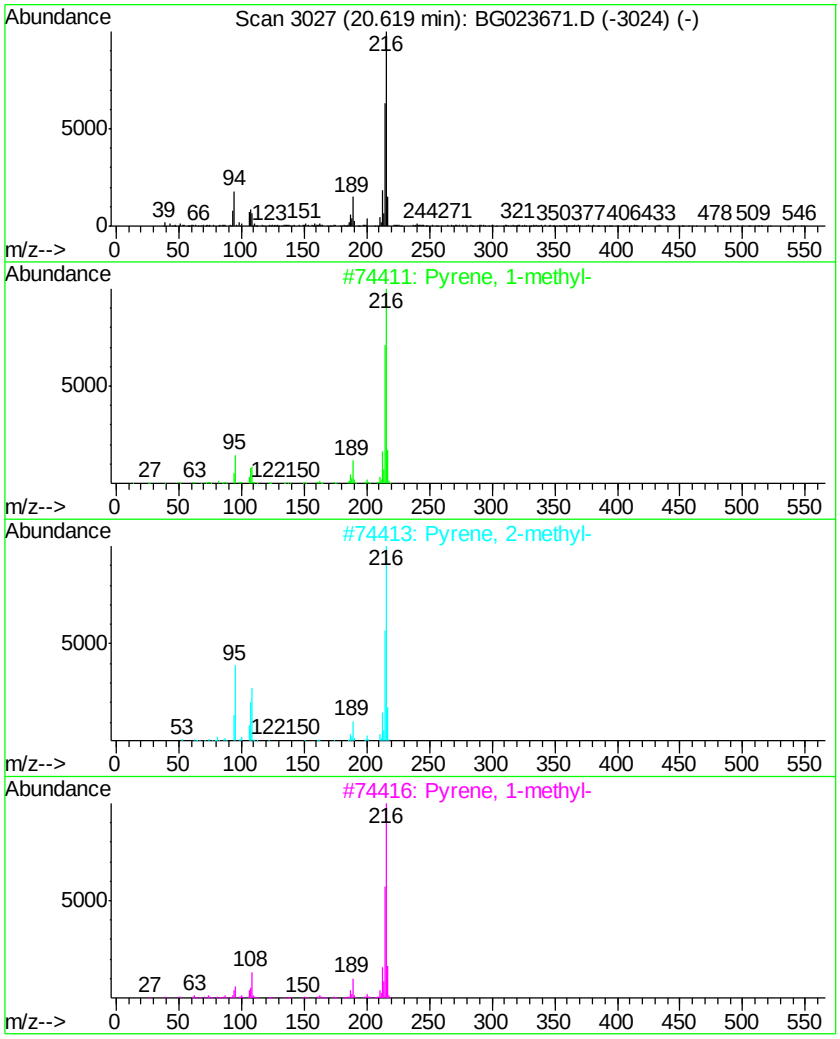
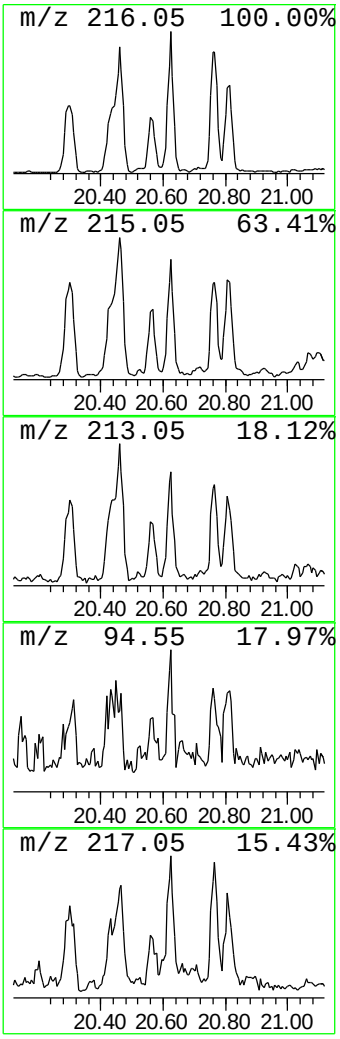
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.62	2.47 ng/ul	545789	Chrysene-d12	21.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Acq On : 13 Aug 2016 00:44
Operator : UM/SJ
Sample : H4385-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS004-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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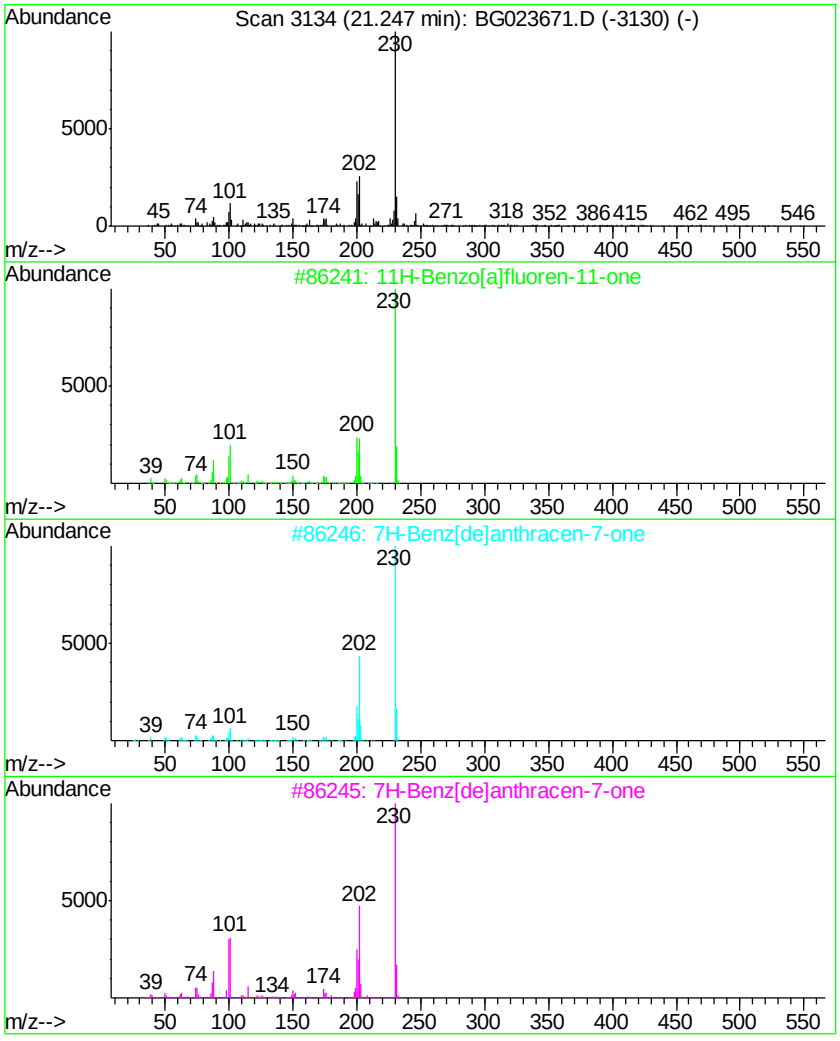
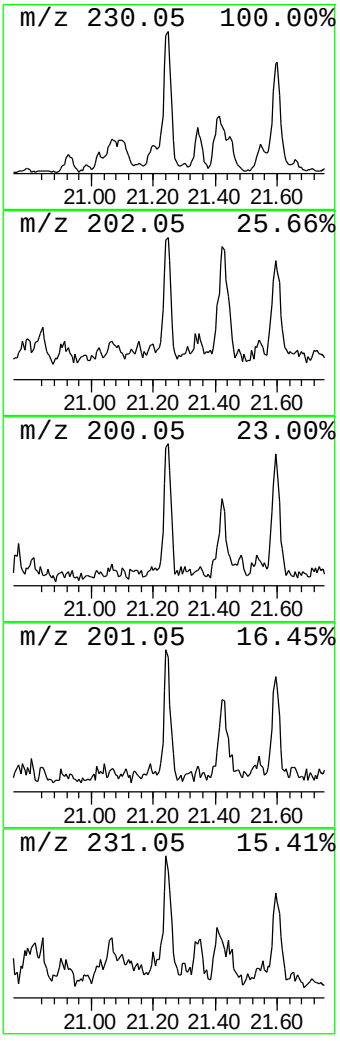
Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.25	2.53 ng/ul	557463	Chrysene-d12	21.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	91
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64





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Instrument : BNA_G
ClientSampleId : P002-SS004-1218-01

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Quant Title : SVOA CALIBRATION

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

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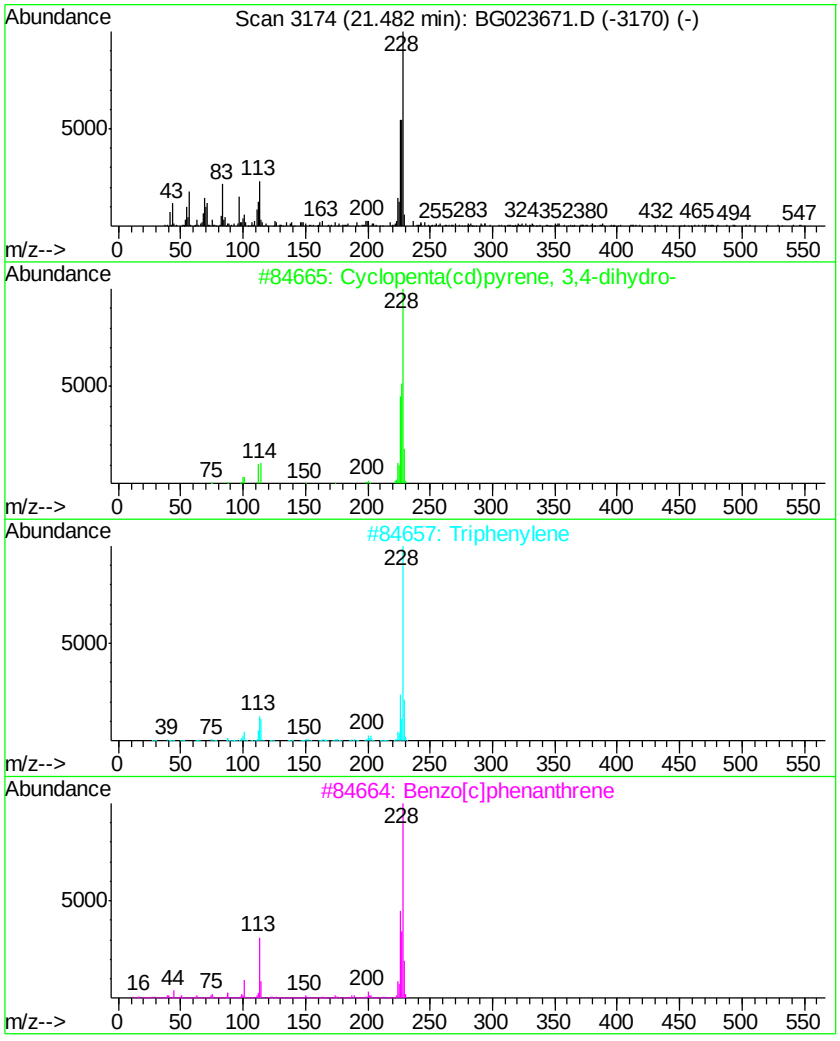
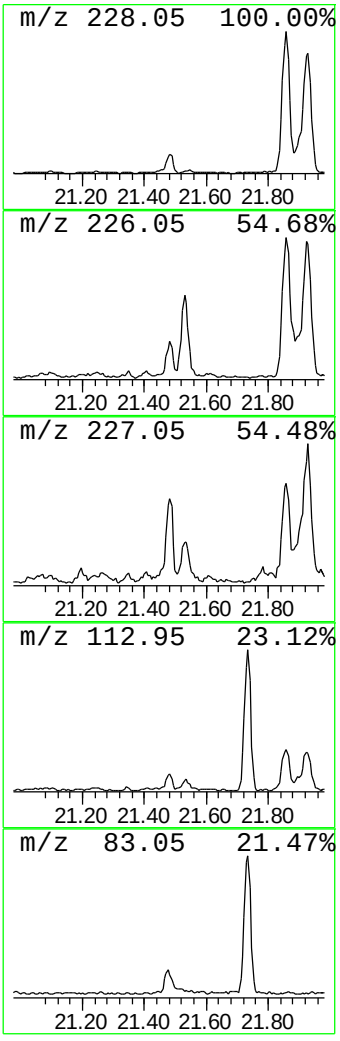
Peak Number 19 unknown-02 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.48	2.46 ng/ul	542338	Chrysene-d12	21.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	49
2	Triphenylene	228	C18H12	000217-59-4	43
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	37
4	8-Chloro-1-methylphenazine	228	C13H9ClN2	029453-82-5	35
5	Triphenylene	228	C18H12	000217-59-4	32





Tentatively Identified Compound (LSC) summary

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Data File : BG023671.D
Acq On : 13 Aug 2016 00:44
Operator : UM/SJ
Sample : H4385-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS004-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexanoic acid, 2-...	9.40	2.1	ng/ul	84699	1	8.11	807390	20.0
Phenanthrene, 1-m...	18.42	11.6	ng/ul	1238690	4	17.55	2144390	20.0
1H-Cyclopropa[l]p...	18.48	6.8	ng/ul	727635	4	17.55	2144390	20.0
Anthracene, 9-met...	18.62	7.5	ng/ul	803239	4	17.55	2144390	20.0
Phenanthrene, 4-m...	18.66	3.7	ng/ul	393669	4	17.55	2144390	20.0
Naphthalene, 2-ph...	18.92	3.4	ng/ul	367323	4	17.55	2144390	20.0
9,10-Anthracenedione	18.98	3.2	ng/ul	338581	4	17.55	2144390	20.0
Phenanthrene, 3,6...	19.22	2.3	ng/ul	247547	4	17.55	2144390	20.0
Phenanthrene, 2,5...	19.34	8.0	ng/ul	856686	4	17.55	2144390	20.0
Cyclopenta(def)ph...	19.49	5.2	ng/ul	559479	4	17.55	2144390	20.0
Phenanthrene, 2,3...	19.70	3.0	ng/ul	319398	4	17.55	2144390	20.0
unknown-01	20.04	2.0	ng/ul	442187	5	21.88	4414770	20.0
11H-Benzo[b]fluorene	20.30	3.2	ng/ul	700603	5	21.88	4414770	20.0
Pyrene, 1-methyl-	20.62	2.5	ng/ul	545789	5	21.88	4414770	20.0
11H-Benzo[a]fluor...	21.25	2.5	ng/ul	557463	5	21.88	4414770	20.0
unknown-02	21.48	2.5	ng/ul	542338	5	21.88	4414770	20.0