LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092215\
Data File : BG018841.D
Acq On : 23 Sep 2015 6:41
Operator : UM/NP
Sample : G3758-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHAB9

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-BG091015.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	2.886	4	8	20	rVB	112326	159856	4.68%	0.661%
2	3.015	29	30	36	rVB4	4046	4172	0.12%	0.017%
3	3.103	39	45	52	rBV2	83348	158318	4.64%	0.654%
4	3.179	52	58	78	rVB	2243507	3412952	100.00%	14.105%
5	3.444	99	103	106	rVB4	3742	5402	0.16%	0.022%
6	3.961	186	191	197	rBV2	6767	11133	0.33%	0.046%
7	4.090	209	213	221	rVB5	3525	6618	0.19%	0.027%
8	4.554	288	292	296	rBV4	4276	5878	0.17%	0.024%
9	5.101	379	385	393	rVB3	12039	21539	0.63%	0.089%
10	5.700	484	487	493	rVB4	2317	4586	0.13%	0.019%
11	7.163	727	736	746	rBV	88043	166407	4.88%	0.688%
12	7.322	757	763	770	rBV	78285	126248	3.70%	0.522%
13	7.533	792	799	806	rBV	89261	151425	4.44%	0.626%
14	7.803	839	845	853	rVB2	4493	8836	0.26%	0.037%
15	7.997	871	878	886	rBV	210477	355093	10.40%	1.468%
16	8.702	991	998	1007	rBV	104833	177740	5.21%	0.735%
17	8.814	1013	1017	1027	rVB	9221	17070	0.50%	0.071%
18	9.155	1069	1075	1083	rVV	86555	150642	4.41%	0.623%
19	9.578	1142	1147	1152	rVB3	4444	6925	0.20%	0.029%
20	9.883	1192	1199	1206	rBV	59305	104482	3.06%	0.432%
21	10.424	1285	1291	1300	rBV	107841	192597	5.64%	0.796%
22	10.800	1348	1355	1363	rBV	311503	564539	16.54%	2.333%
23	10.935	1372	1378	1388	rBV	75820	148192	4.34%	0.612%
24	11.822	1524	1529	1533	rBV2	7575	10796	0.32%	0.045%
25	12.210	1589	1595	1600	rBV6	5941	11088	0.32%	0.046%
26	12.985	1723	1727	1730	rBV4	4561	6980	0.20%	0.029%
27	13.156	1751	1756	1762	rVV3	14017	21767	0.64%	0.090%
28	13.226	1764	1768	1773	rBV3	6125	9906	0.29%	0.041%
29	13.450	1801	1806	1816	rVB7	10668	21967	0.64%	0.091%
30	13.544	1816	1822	1824	rBV7	2493	4084	0.12%	0.017%
31	13.796	1859	1865	1866	rBV5	3515	5452	0.16%	0.023%
32	13.949	1884	1891	1897	rBV8	5514	12662	0.37%	0.052%
33	14.025	1897	1904	1908	rVV	242513	356902	10.46%	1.475%
34	14.072	1908	1912	1921	rVV	150809	241287	7.07%	0.997%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092215\
Data File : BG018841.D
Acq On : 23 Sep 2015 6:41
Operator : UM/NP
Sample : G3758-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHAB9

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-BG091015.M
Title : SVOA CALIBRATION

35	14.155	1921	1926	1929	rVV7	4284	5212	0.15%	0.022%
36	14.319	1947	1954	1962	rBV	301536	466649	13.67%	1.929%
37	14.384	1963	1965	1969	rVB4	4570	5468	0.16%	0.023%
38	14.513	1984	1987	1992	rVV	18576	24273	0.71%	0.100%
39	14.625	1996	2006	2012	rBV2	532448	885178	25.94%	3.658%
40	14.689	2012	2017	2025	rVB	103299	160979	4.72%	0.665%
41	14.748	2025	2027	2032	rVB4	4510	4616	0.14%	0.019%
42	14.830	2038	2041	2043	rBV4	6122	8015	0.23%	0.033%
43	14.936	2055	2059	2063	rVV2	9699	16109	0.47%	0.067%
44	15.018	2069	2073	2079	rVB	20411	29222	0.86%	0.121%
45	15.136	2090	2093	2099	rVB7	7903	13309	0.39%	0.055%
46	15.242	2109	2111	2113	rVB3	4962	4095	0.12%	0.017%
47	15.289	2116	2119	2124	rBV7	7707	8417	0.25%	0.035%
48	15.412	2137	2140	2142	rBV4	6147	5767	0.17%	0.024%
49	15.465	2145	2149	2153	rVB2	28418	37725	1.11%	0.156%
50	15.512	2155	2157	2161	rBV5	3731	4541	0.13%	0.019%
51	15.618	2169	2175	2180	rBV	400422	607647	17.80%	2.511%
52	15.671	2180	2184	2192	rVB	63465	105808	3.10%	0.437%
53	15.765	2197	2200	2202	rVV4	8957	13183	0.39%	0.054%
54	15.794	2202	2205	2209	rVV2	18998	27981	0.82%	0.116%
55	15.835	2209	2212	2213	rVV3	15987	19552	0.57%	0.081%
56	15.870	2214	2218	2223	rVV4	35393	63762	1.87%	0.264%
57	15.917	2223	2226	2229	rVV5	10330	13604	0.40%	0.056%
58	15.964	2229	2234	2240	rVB5	17478	33184	0.97%	0.137%
59	16.111	2256	2259	2261	rBV4	9734	12234	0.36%	0.051%
60	16.329	2291	2296	2297	rBV2	40069	56005	1.64%	0.231%
61	16.346	2297	2299	2305	rVB	61512	77414	2.27%	0.320%
62	16.470	2318	2320	2324	rBV5	6629	8967	0.26%	0.037%
63	16.646	2345	2350	2351	rBV5	11511	19359	0.57%	0.080%
64	16.669	2351	2354	2360	rVV7	18901	36007	1.06%	0.149%
65	16.722	2360	2363	2368	rVB7	14266	22945	0.67%	0.095%
66	16.828	2379	2381	2383	rVB3	10214	8064	0.24%	0.033%
67	16.875	2386	2389	2390	rBV3	10037	8826	0.26%	0.036%
68	17.016	2411	2413	2419	rVB4	16329	24642	0.72%	0.102%
69	17.116	2424	2430	2435	rVV5	57951	101836	2.98%	0.421%
70	17.181	2436	2441	2450	rVB2	40986	104290	3.06%	0.431%
71	17.369	2467	2473	2477	rVV	678697	1056266	30.95%	4.365%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092215\
Data File : BG018841.D
Acq On : 23 Sep 2015 6:41
Operator : UM/NP
Sample : G3758-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHAB9

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-BG091015.M
Title : SVOA CALIBRATION

72	17.410	2477	2480	2485	rVV	636348	910310	26.67%	3.762%
73	17.468	2485	2490	2493	rVV2	422376	657092	19.25%	2.716%
74	17.498	2493	2495	2501	rVV	167058	233014	6.83%	0.963%
75	17.557	2501	2505	2511	rVB	28534	51856	1.52%	0.214%
76	17.768	2533	2541	2546	rBV2	67404	129156	3.78%	0.534%
77	17.850	2553	2555	2558	rBV3	19413	19149	0.56%	0.079%
78	18.244	2617	2622	2626	rBV	86851	135104	3.96%	0.558%
79	18.291	2626	2630	2637	rVB	124525	179679	5.26%	0.743%
80	18.373	2639	2644	2649	rVB	50586	83934	2.46%	0.347%
81	18.444	2649	2656	2659	rBV2	188284	337838	9.90%	1.396%
82	18.473	2659	2661	2668	rVB	72805	88246	2.59%	0.365%
83	18.738	2702	2706	2710	rBV	67968	85110	2.49%	0.352%
84	18.779	2710	2713	2719	rVB	59772	76888	2.25%	0.318%
85	18.984	2746	2748	2750	rVB2	20794	16029	0.47%	0.066%
86	19.155	2773	2777	2782	rBV4	29551	57701	1.69%	0.238%
87	19.419	2816	2822	2828	rBV	1063869	1471998	43.13%	6.083%
88	19.754	2873	2879	2881	rBV2	695317	1124286	32.94%	4.646%
89	19.783	2881	2884	2892	rVB	1052360	1451821	42.54%	6.000%
90	19.954	2911	2913	2919	rVB	59487	79585	2.33%	0.329%
91	20.018	2921	2924	2931	rVB	70607	93966	2.75%	0.388%
92	20.271	2963	2967	2971	rVB2	234514	319091	9.35%	1.319%
93	20.371	2980	2984	2988	rBV	178580	227722	6.67%	0.941%
94	21.264	3132	3136	3139	rBV3	89228	151226	4.43%	0.625%
95	21.628	3190	3198	3202	rBV2	839373	2005125	58.75%	8.287%
96	21.675	3202	3206	3218	rVB	536992	927616	27.18%	3.834%
97	23.808	3564	3569	3578	rBV2	190137	604108	17.70%	2.497%
98	24.601	3700	3704	3711	rVV2	163658	342689	10.04%	1.416%
99	24.672	3713	3716	3728	rVB	261909	617791	18.10%	2.553%
100	24.830	3736	3743	3750	rVB2	377695	954241	27.96%	3.944%

Sum of corrected areas: 24197063

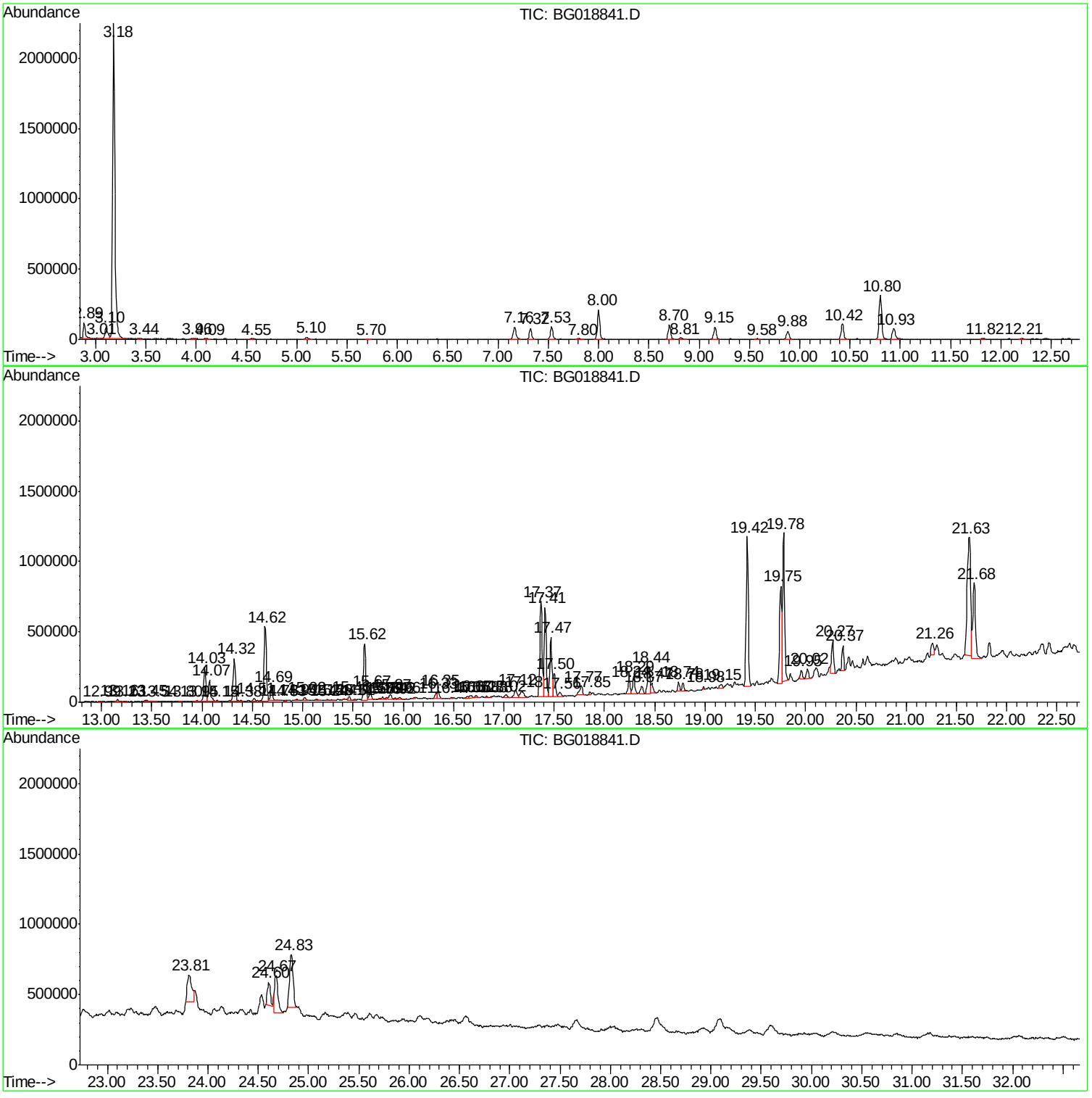
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092215\
Data File : BG018841.D
Acq On : 23 Sep 2015 6:41
Operator : UM/NP
Sample : G3758-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JHAB9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092215\
Data File : BG018841.D
Acq On : 23 Sep 2015 6:41
Operator : UM/NP
Sample : G3758-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHAB9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

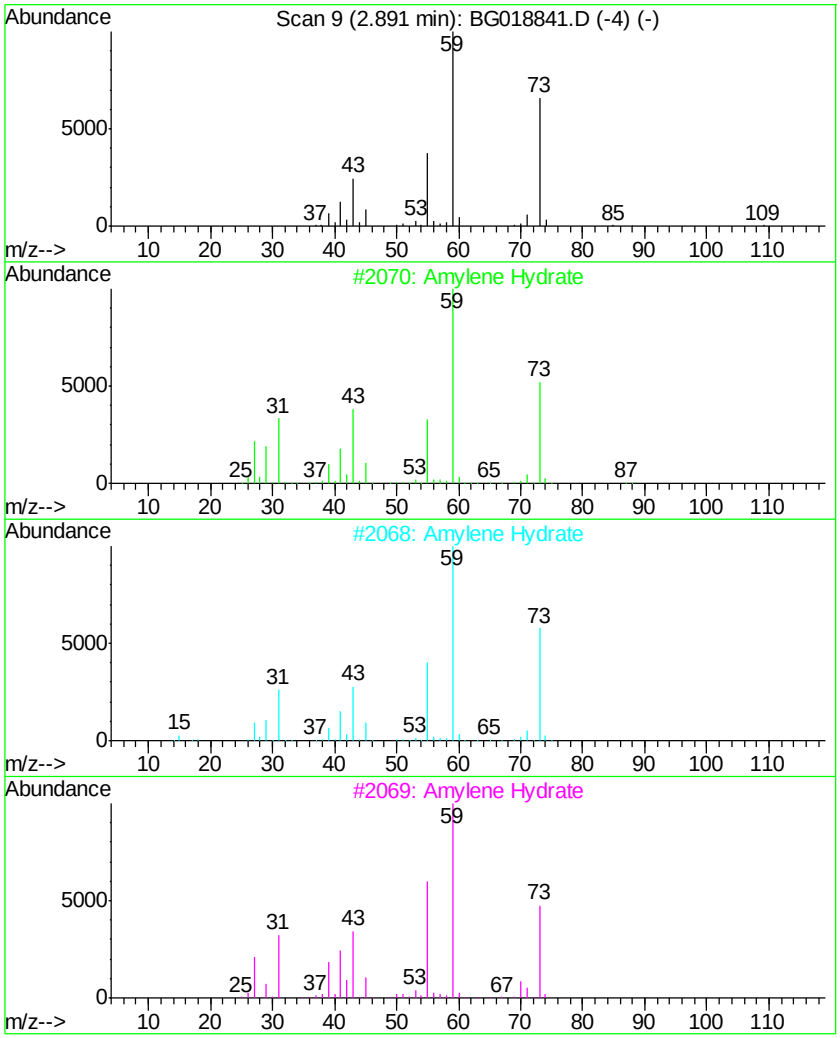
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

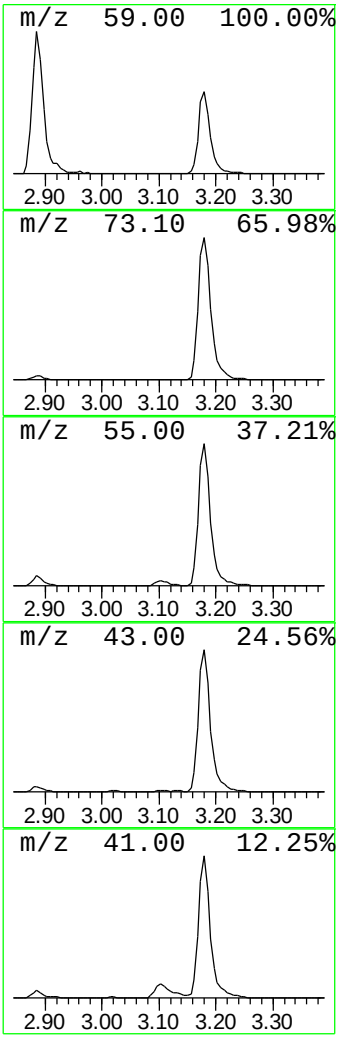
****

Peak Number 1 Amylene Hydrate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.89	9.00 ng/ul	159856	1,4-Dichlorobenzene-d4	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Amylene Hydrate	88	C5H12O	000075-85-4	78
2	Amylene Hydrate	88	C5H12O	000075-85-4	78
3	Amylene Hydrate	88	C5H12O	000075-85-4	64
4	1-Propanol, 2-(2-methoxypropoxy)-	148	C7H16O3	013588-28-8	50
5	Propane, 1-ethoxy-	88	C5H12O	000628-32-0	38





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092215\
Data File : BG018841.D
Acq On : 23 Sep 2015 6:41
Operator : UM/NP
Sample : G3758-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHAB9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

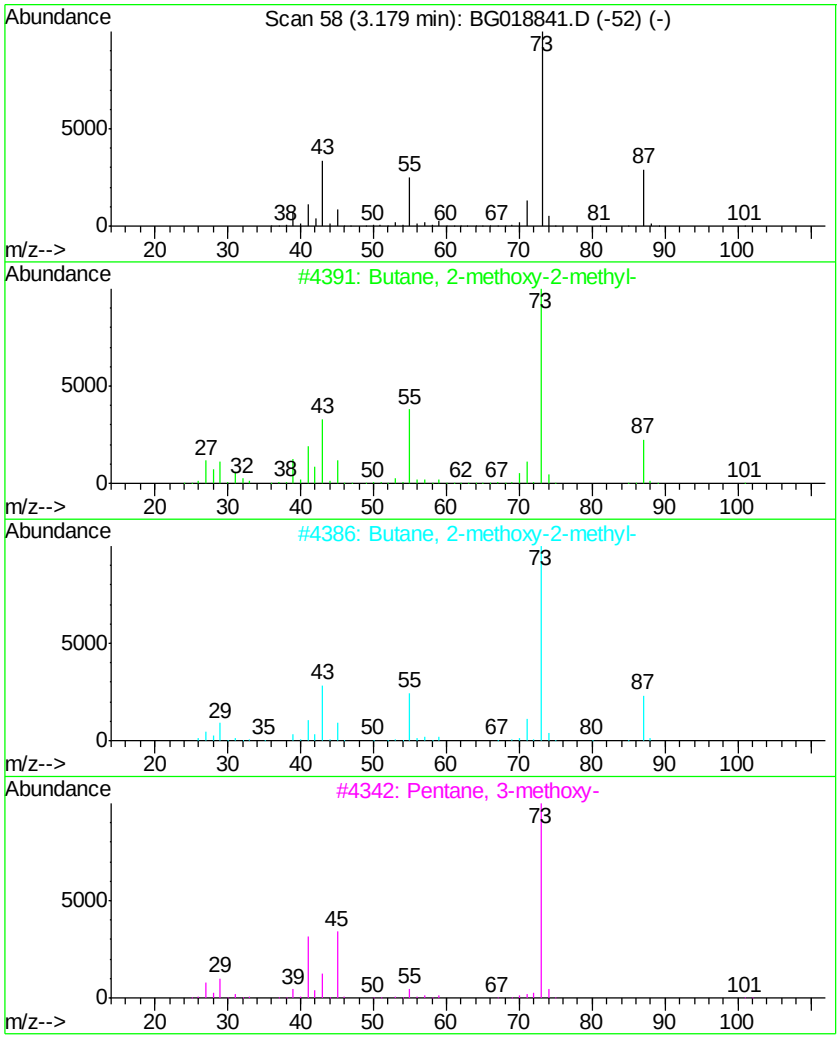
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

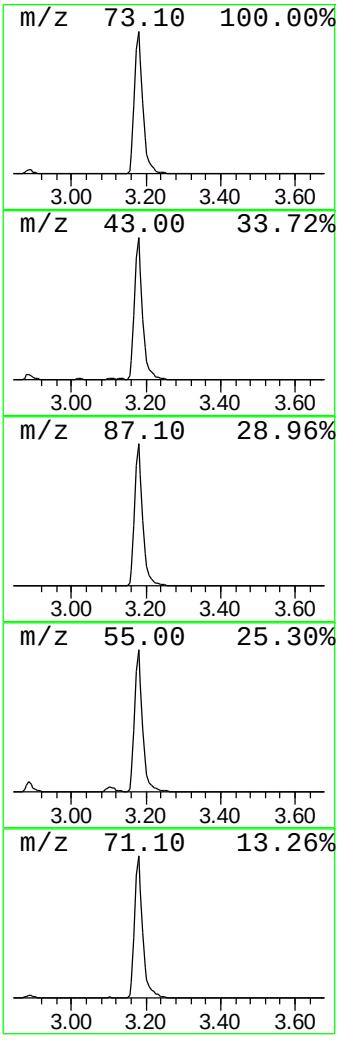
****

Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.18	192.23 ng/ul	3412950	1,4-Dichlorobenzene-d4	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092215\
Data File : BG018841.D
Acq On : 23 Sep 2015 6:41
Operator : UM/NP
Sample : G3758-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHAB9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

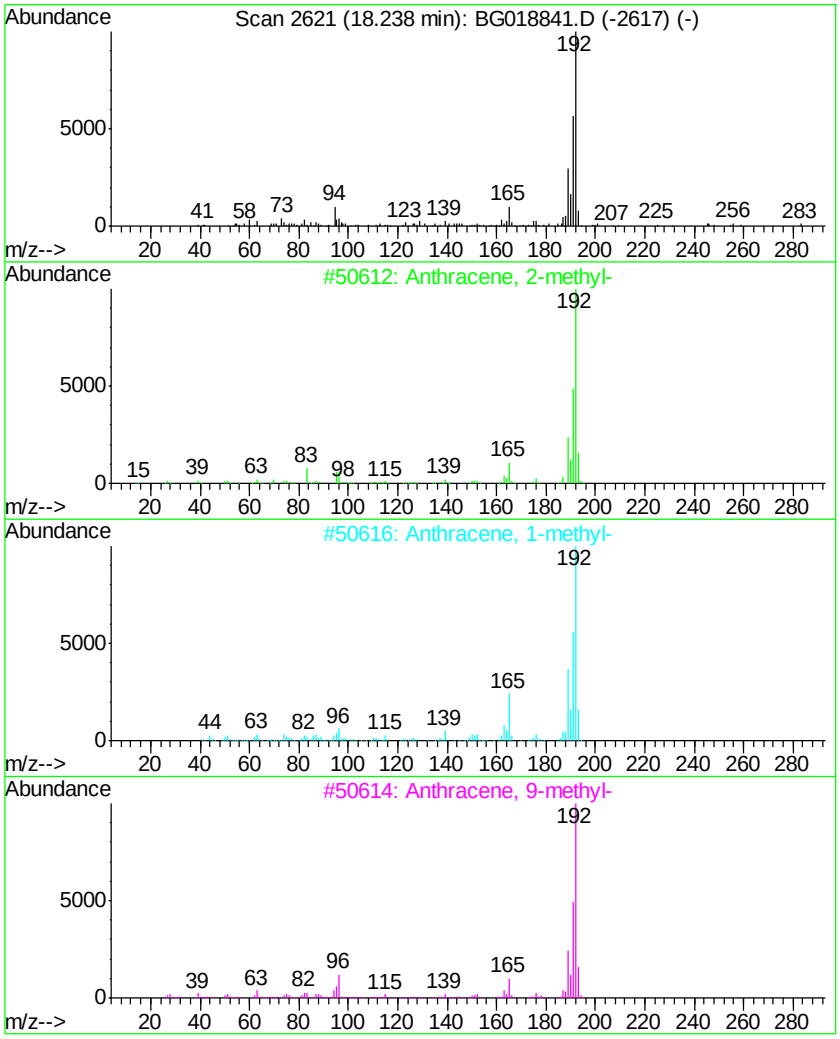
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

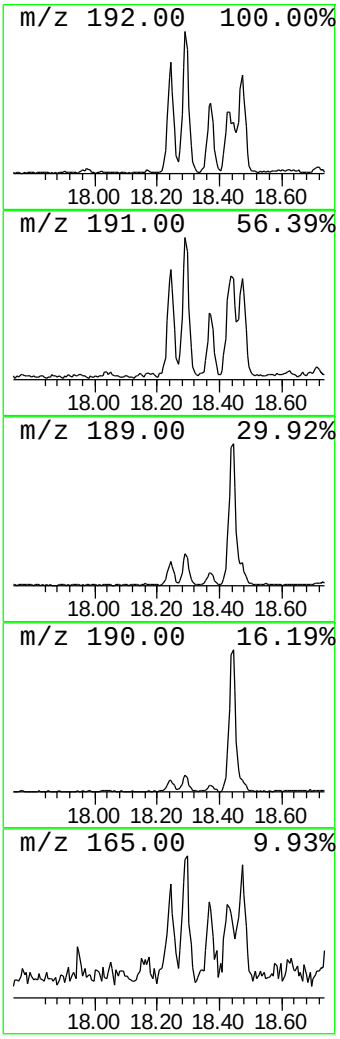
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	2.56 ng/ul	135104	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	81
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092215\
Data File : BG018841.D
Acq On : 23 Sep 2015 6:41
Operator : UM/NP
Sample : G3758-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHAB9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

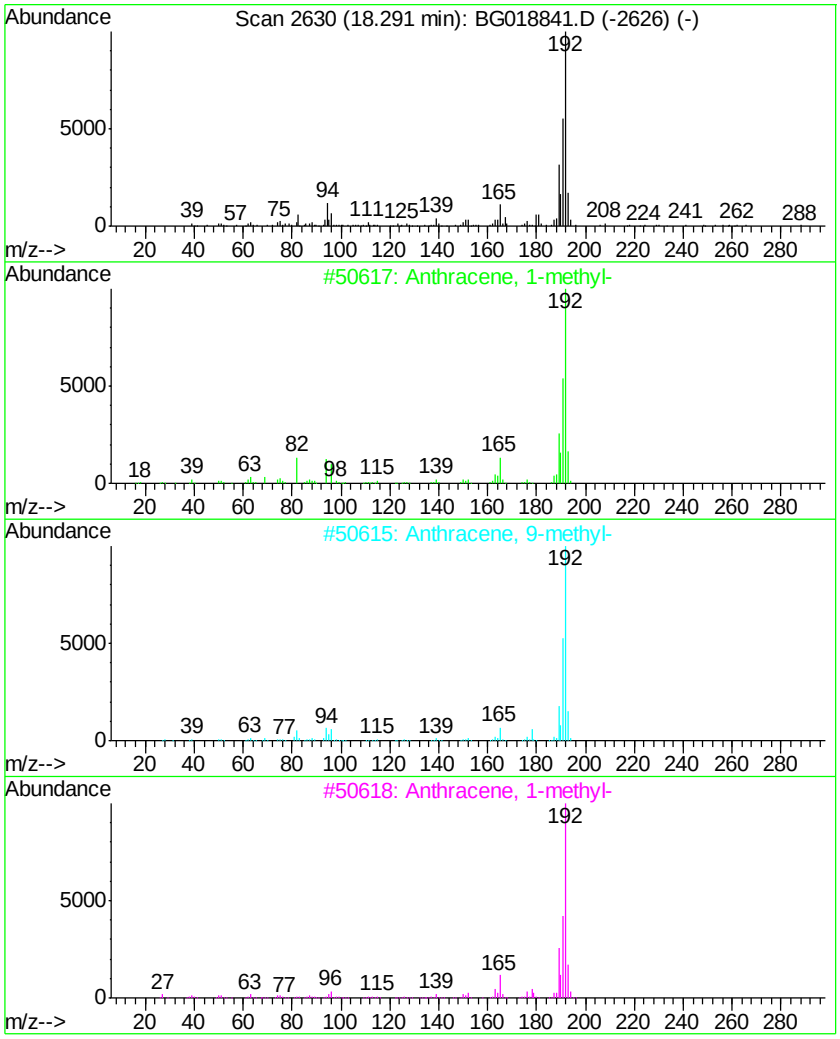
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

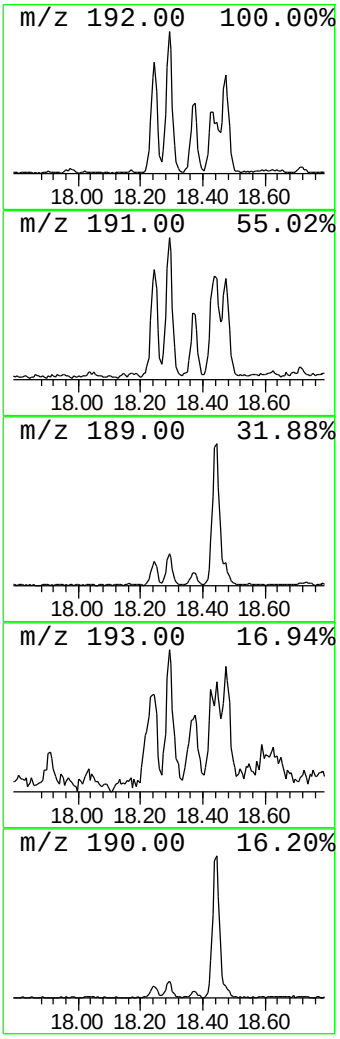
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	3.40 ng/ul	179679	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092215\
Data File : BG018841.D
Acq On : 23 Sep 2015 6:41
Operator : UM/NP
Sample : G3758-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHAB9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

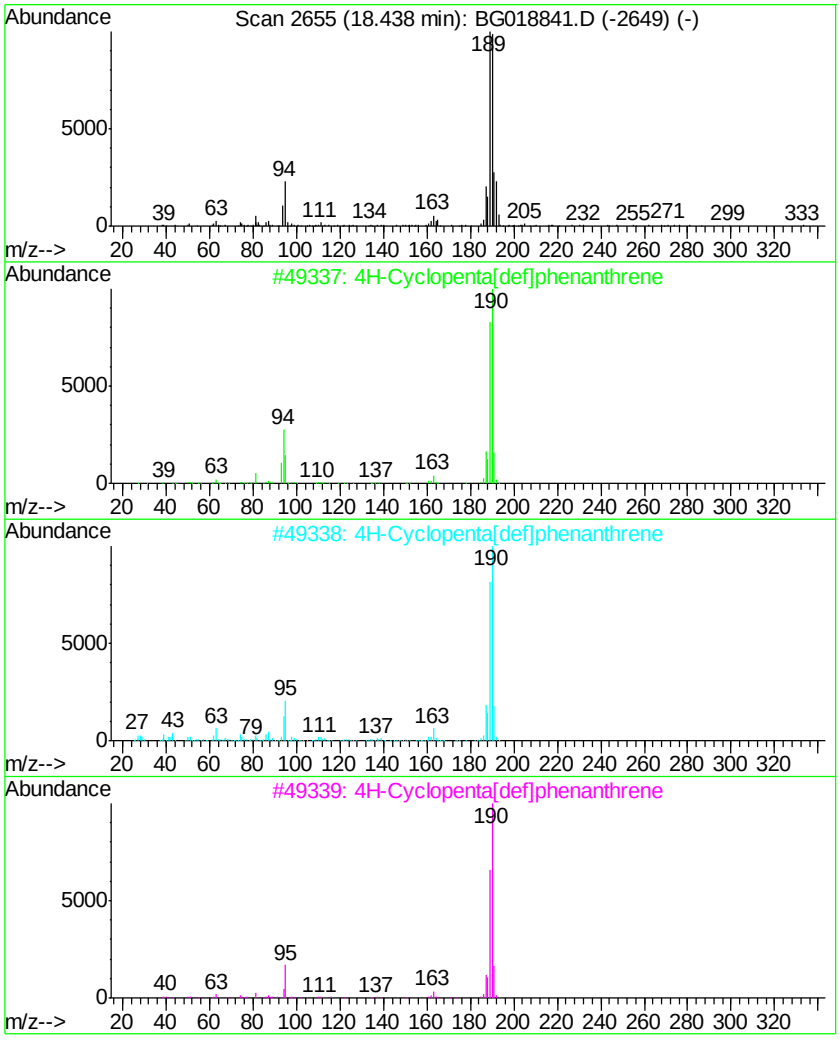
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

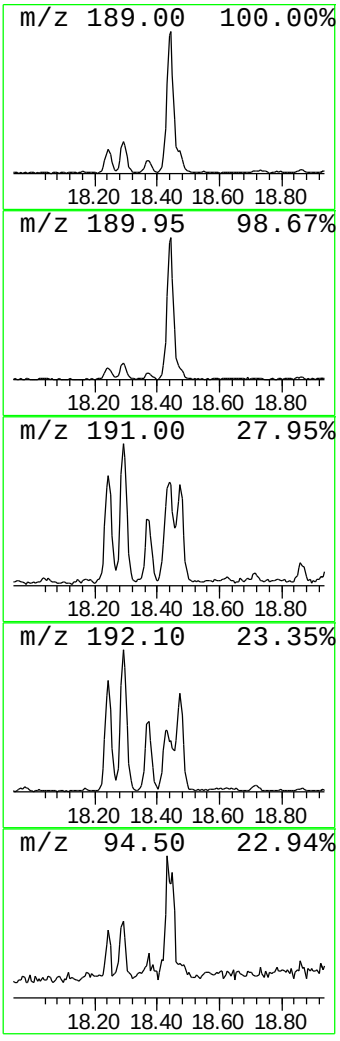
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	6.40 ng/ul	337838	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092215\
Data File : BG018841.D
Acq On : 23 Sep 2015 6:41
Operator : UM/NP
Sample : G3758-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHAB9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

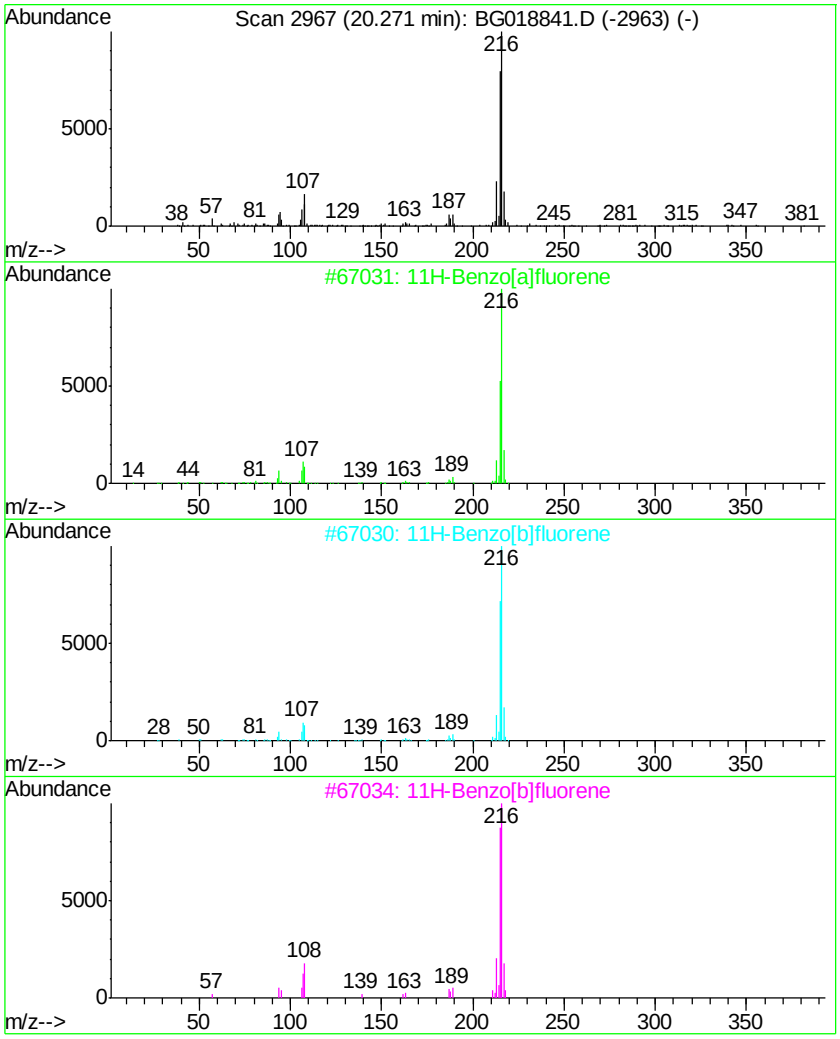
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

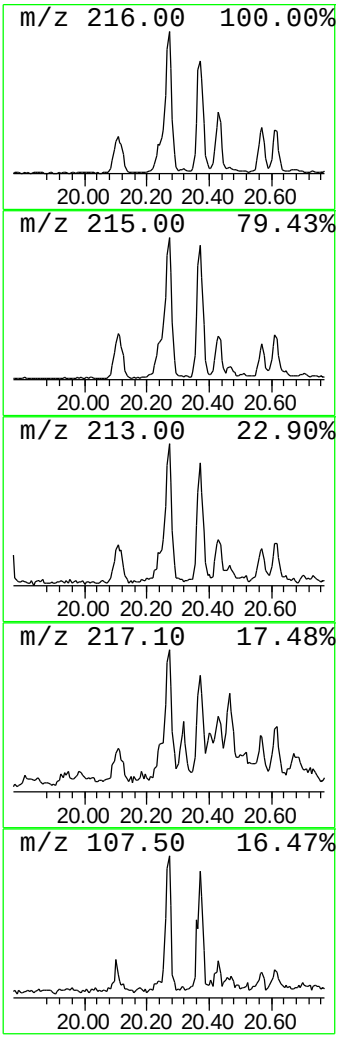
****

Peak Number 7 11H-Benzo[a]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.27	3.18 ng/ul	319091	Chrysene-d12	21.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092215\
Data File : BG018841.D
Acq On : 23 Sep 2015 6:41
Operator : UM/NP
Sample : G3758-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHAB9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

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

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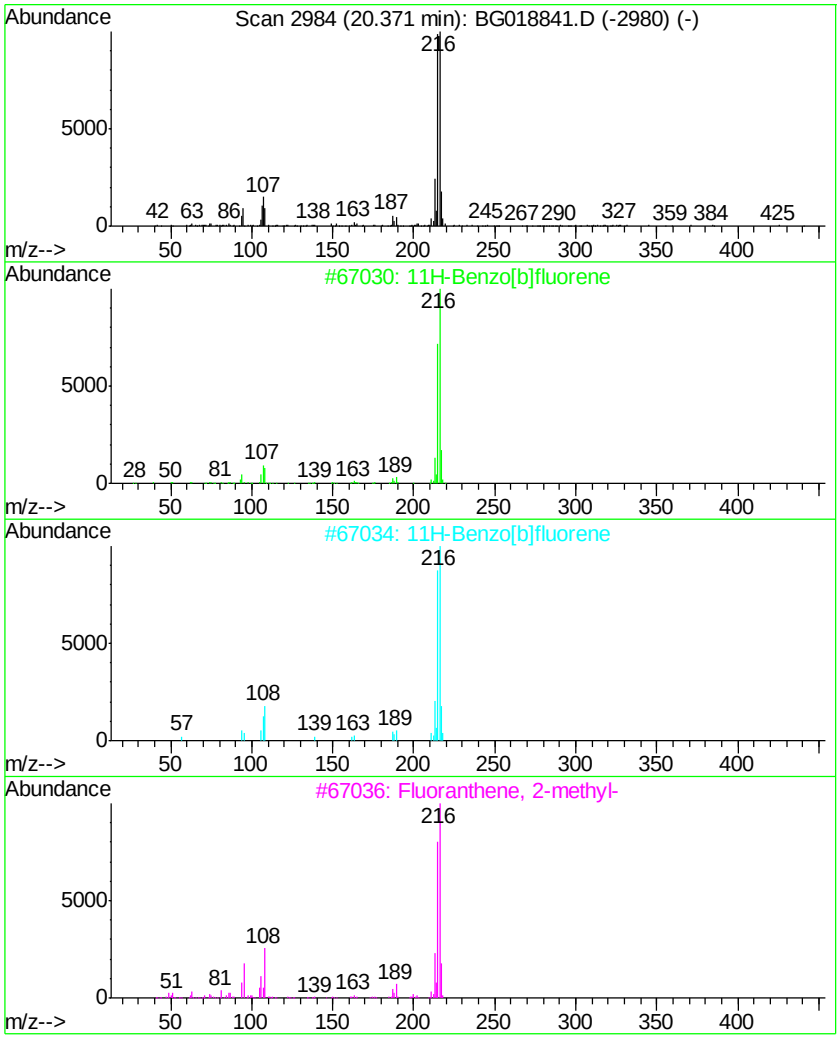
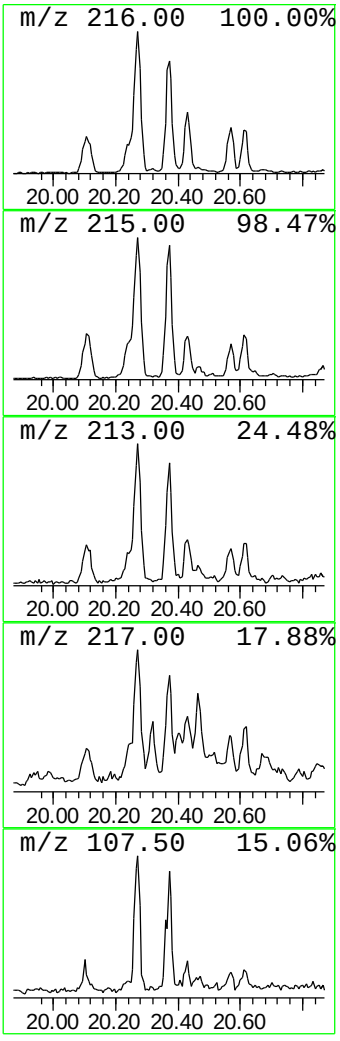
Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.37	2.27 ng/ul	227722	Chrysene-d12	21.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092215\
Data File : BG018841.D
Acq On : 23 Sep 2015 6:41
Operator : UM/NP
Sample : G3758-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHAB9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Amylene Hydrate	2.89	9.0	ng/ul	159856	1	8.00	355093	20.0
Butane, 2-methoxy...	3.18	192.2	ng/ul	3412950	1	8.00	355093	20.0
Anthracene, 2-met...	18.24	2.6	ng/ul	135104	4	17.37	1056270	20.0
Anthracene, 1-met...	18.29	3.4	ng/ul	179679	4	17.37	1056270	20.0
4H-Cyclopenta[def...	18.44	6.4	ng/ul	337838	4	17.37	1056270	20.0
11H-Benzo[a]fluorene	20.27	3.2	ng/ul	319091	5	21.63	2005130	20.0
11H-Benzo[b]fluorene	20.37	2.3	ng/ul	227722	5	21.63	2005130	20.0