LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019496.D
Acq On : 5 Nov 2015 17:23
Operator : UM/NP
Sample : G4273-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP6

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-BG102815.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	2.891	7	9	15	rBV3	12620	17399	1.01%	0.092%
2	3.126	43	49	58	rBV	97168	195583	11.38%	1.031%
3	3.209	58	63	78	rVB	653558	996121	57.94%	5.250%
4	3.479	107	109	116	rVB4	4533	7195	0.42%	0.038%
5	4.037	201	204	207	rVB3	4218	4929	0.29%	0.026%
6	5.218	401	405	415	rVB6	8120	15785	0.92%	0.083%
7	7.092	719	724	727	rBV3	1938	3513	0.20%	0.019%
8	7.321	757	763	774	rBV	99242	179578	10.45%	0.946%
9	7.492	782	792	799	rBV	82978	136667	7.95%	0.720%
10	7.703	822	828	838	rBV	98133	164830	9.59%	0.869%
11	8.179	903	909	917	rVB2	156980	262151	15.25%	1.382%
12	8.303	927	930	935	rBV2	1502	2650	0.15%	0.014%
13	8.878	1021	1028	1037	rBV	136394	232391	13.52%	1.225%
14	9.008	1048	1050	1055	rVB3	1764	2777	0.16%	0.015%
15	9.348	1101	1108	1116	rVB2	111663	190975	11.11%	1.006%
16	9.742	1170	1175	1178	rBV4	2960	3752	0.22%	0.020%
17	10.077	1224	1232	1242	rBV3	95503	176957	10.29%	0.933%
18	10.618	1315	1324	1332	rBV	139105	253514	14.75%	1.336%
19	11.005	1383	1390	1397	rBV	217773	396290	23.05%	2.089%
20	11.135	1406	1412	1420	rVB	129621	226903	13.20%	1.196%
21	12.650	1665	1670	1676	rBV3	24621	40962	2.38%	0.216%
22	12.868	1700	1707	1713	rVB2	27994	46294	2.69%	0.244%
23	13.173	1754	1759	1762	rBV3	4714	6756	0.39%	0.036%
24	13.408	1795	1799	1806	rVB4	7250	10922	0.64%	0.058%
25	13.837	1870	1872	1876	rBV3	5895	7234	0.42%	0.038%
26	13.972	1888	1895	1896	rBV2	11443	16003	0.93%	0.084%
27	14.131	1914	1922	1927	rBV3	20158	38721	2.25%	0.204%
28	14.202	1927	1934	1938	rVV	329258	478788	27.85%	2.523%
29	14.249	1938	1942	1948	rVB	182102	245265	14.27%	1.293%
30	14.366	1957	1962	1967	rBV4	11471	20130	1.17%	0.106%
31	14.507	1979	1986	1996	rVB	288534	471286	27.41%	2.484%
32	14.677	2012	2015	2017	rBV	3276	2796	0.16%	0.015%
33	14.807	2026	2037	2043	rBV2	400082	676048	39.32%	3.563%
34	14.871	2043	2048	2057	rVB	153149	227270	13.22%	1.198%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019496.D
Acq On : 5 Nov 2015 17:23
Operator : UM/NP
Sample : G4273-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP6

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-BG102815.M
Title : SVOA CALIBRATION

35	14.989	2063	2068	2080	rBV	140137	233926	13.61%	1.233%
36	15.118	2085	2090	2094	rVB3	7107	11672	0.68%	0.062%
37	15.200	2098	2104	2112	rVB	85772	132723	7.72%	0.699%
38	15.271	2112	2116	2120	rBV2	9051	12646	0.74%	0.067%
39	15.412	2137	2140	2141	rBV2	5673	6262	0.36%	0.033%
40	15.471	2146	2150	2157	rVB4	8605	12566	0.73%	0.066%
41	15.582	2163	2169	2172	rBV4	9382	19841	1.15%	0.105%
42	15.623	2172	2176	2181	rVB7	12403	19725	1.15%	0.104%
43	15.682	2181	2186	2190	rBV3	4572	8170	0.48%	0.043%
44	15.729	2190	2194	2196	rBV2	3809	6318	0.37%	0.033%
45	15.794	2196	2205	2210	rBV	438084	664703	38.67%	3.503%
46	15.853	2210	2215	2219	rVV2	157006	243261	14.15%	1.282%
47	15.905	2219	2224	2229	rVV	149429	210501	12.24%	1.109%
48	16.011	2238	2242	2247	rBV3	29196	46609	2.71%	0.246%
49	16.099	2253	2257	2260	rBV4	12591	21186	1.23%	0.112%
50	16.140	2260	2264	2269	rVB	38081	56920	3.31%	0.300%
51	16.281	2280	2288	2297	rBV2	38620	87609	5.10%	0.462%
52	16.381	2302	2305	2308	rVB2	7279	8701	0.51%	0.046%
53	16.493	2317	2324	2334	rVB5	28087	64102	3.73%	0.338%
54	16.640	2346	2349	2357	rVB7	15382	29296	1.70%	0.154%
55	16.851	2374	2385	2389	rBV2	33400	72287	4.20%	0.381%
56	16.893	2389	2392	2399	rVB5	13140	21375	1.24%	0.113%
57	16.945	2399	2401	2404	rBV3	5141	5863	0.34%	0.031%
58	16.998	2406	2410	2417	rVB4	15606	23961	1.39%	0.126%
59	17.069	2417	2422	2426	rBV6	16554	34797	2.02%	0.183%
60	17.110	2427	2429	2434	rVB4	13750	15655	0.91%	0.083%
61	17.198	2442	2444	2446	rBV3	5087	5310	0.31%	0.028%
62	17.274	2452	2457	2460	rBV4	27645	48905	2.84%	0.258%
63	17.368	2469	2473	2480	rVB2	45134	69843	4.06%	0.368%
64	17.551	2497	2504	2507	rBV	627953	950570	55.29%	5.010%
65	17.592	2507	2511	2516	rVV	583098	853380	49.64%	4.498%
66	17.650	2516	2521	2524	rVV	485737	791728	46.05%	4.173%
67	17.680	2524	2526	2531	rVB	268259	334185	19.44%	1.761%
68	17.780	2542	2543	2546	rVB2	4710	2706	0.16%	0.014%
69	17.944	2568	2571	2575	rBV3	18744	23976	1.39%	0.126%
70	18.062	2587	2591	2594	rBV	19459	25170	1.46%	0.133%
71	18.420	2647	2652	2656	rBV3	66600	105650	6.15%	0.557%

LSC Area Percent Report

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Acq On : 5 Nov 2015 17:23
Operator : UM/NP
Sample : G4273-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP6

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-BG102815.M
Title : SVOA CALIBRATION

72	18.467	2656	2660	2668	rVB	87351	130368	7.58%	0.687%
73	18.549	2669	2674	2679	rVB	56569	75675	4.40%	0.399%
74	18.620	2679	2686	2690	rBV	132773	230203	13.39%	1.213%
75	18.814	2715	2719	2721	rBV5	5392	7605	0.44%	0.040%
76	18.914	2731	2736	2740	rVB	57900	82341	4.79%	0.434%
77	19.090	2764	2766	2769	rBV4	5713	7439	0.43%	0.039%
78	19.155	2774	2777	2782	rVV7	21808	36546	2.13%	0.193%
79	19.202	2782	2785	2789	rVV3	15877	25152	1.46%	0.133%
80	19.237	2789	2791	2797	rVB2	11437	17203	1.00%	0.091%
81	19.319	2802	2805	2811	rVB3	28517	41700	2.43%	0.220%
82	19.589	2845	2851	2857	rVB	624516	870743	50.65%	4.589%
83	19.677	2864	2866	2870	rVB5	14967	18861	1.10%	0.099%
84	19.736	2873	2876	2880	rVB	37902	48273	2.81%	0.254%
85	19.830	2885	2892	2896	rBV4	21027	46286	2.69%	0.244%
86	19.924	2901	2908	2911	rBV2	689478	1194979	69.51%	6.298%
87	20.018	2920	2924	2929	rVB2	34514	51184	2.98%	0.270%
88	20.124	2938	2942	2948	rVB	46619	66574	3.87%	0.351%
89	20.271	2961	2967	2972	rBV4	39551	97347	5.66%	0.513%
90	20.435	2984	2995	3000	rVB	153774	268195	15.60%	1.413%
91	20.535	3007	3012	3016	rBV	142037	201002	11.69%	1.059%
92	21.393	3155	3158	3162	rBV2	28450	40143	2.34%	0.212%
93	21.434	3162	3165	3171	rVB	47337	71573	4.16%	0.377%
94	21.687	3205	3208	3214	rVB2	59879	82836	4.82%	0.437%
95	21.828	3222	3232	3237	rBV2	801570	1719133	100.00%	9.060%
96	21.875	3237	3240	3249	rVB	195568	311165	18.10%	1.640%
97	24.108	3613	3620	3628	rBV2	89481	295908	17.21%	1.560%
98	24.942	3754	3762	3769	rBV	287688	751566	43.72%	3.961%
99	25.177	3792	3802	3812	rBV2	389909	1139659	66.29%	6.006%
100	25.506	3856	3858	3859	rBV2	10284	4338	0.25%	0.023%

Sum of corrected areas: 18974530

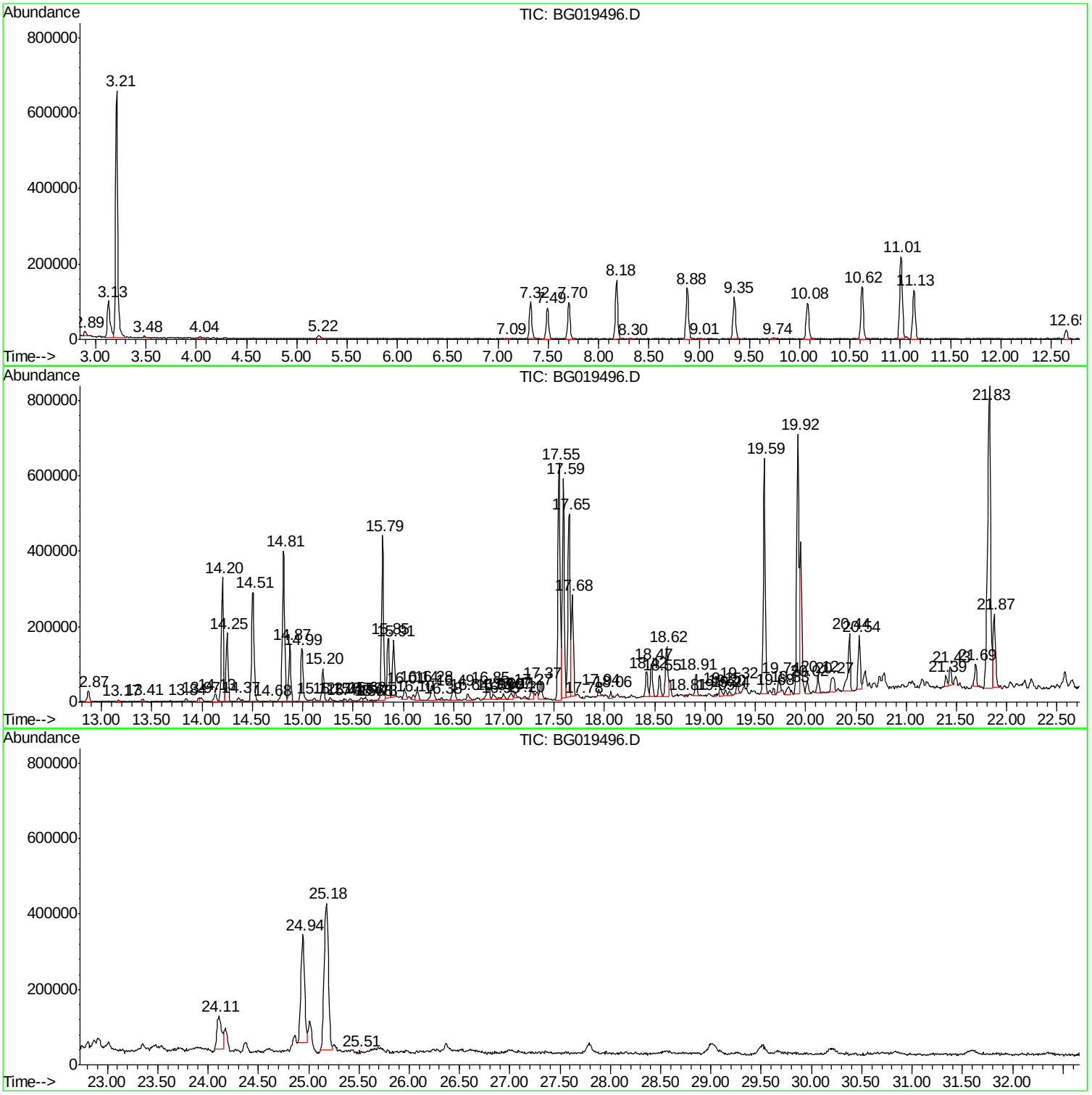
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019496.D
Acq On : 5 Nov 2015 17:23
Operator : UM/NP
Sample : G4273-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019496.D
Acq On : 5 Nov 2015 17:23
Operator : UM/NP
Sample : G4273-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

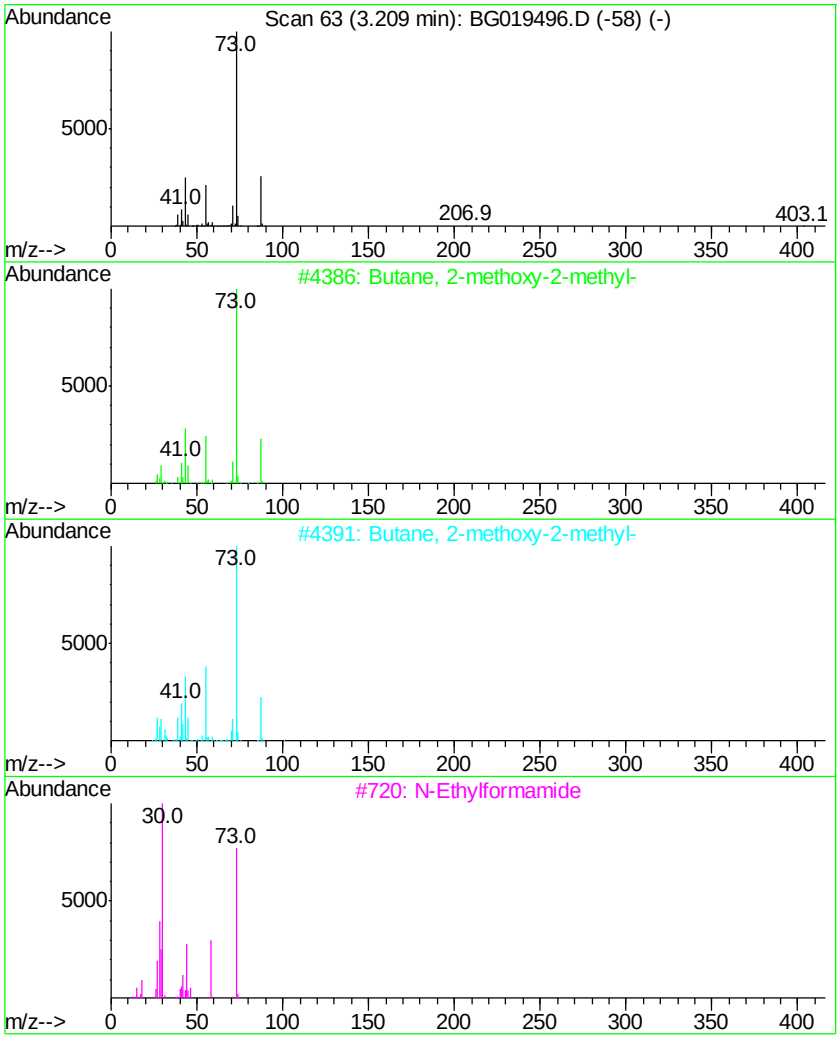
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

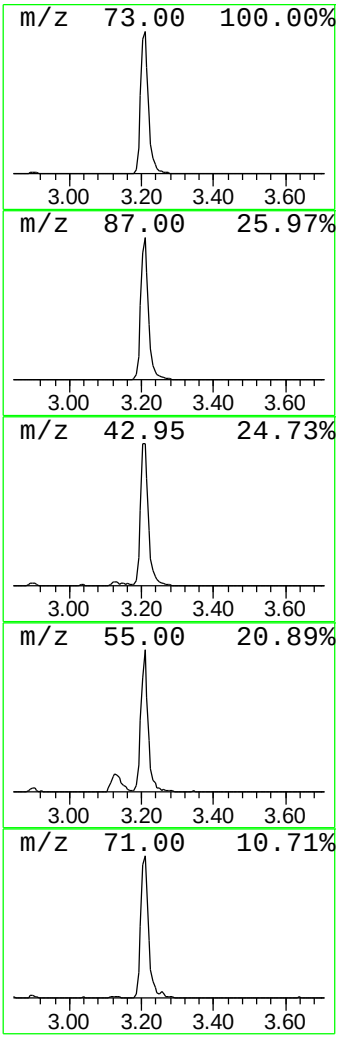
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.21	76.00 ng/ul	996121	1,4-Dichlorobenzene-d4	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	9
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019496.D
Acq On : 5 Nov 2015 17:23
Operator : UM/NP
Sample : G4273-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

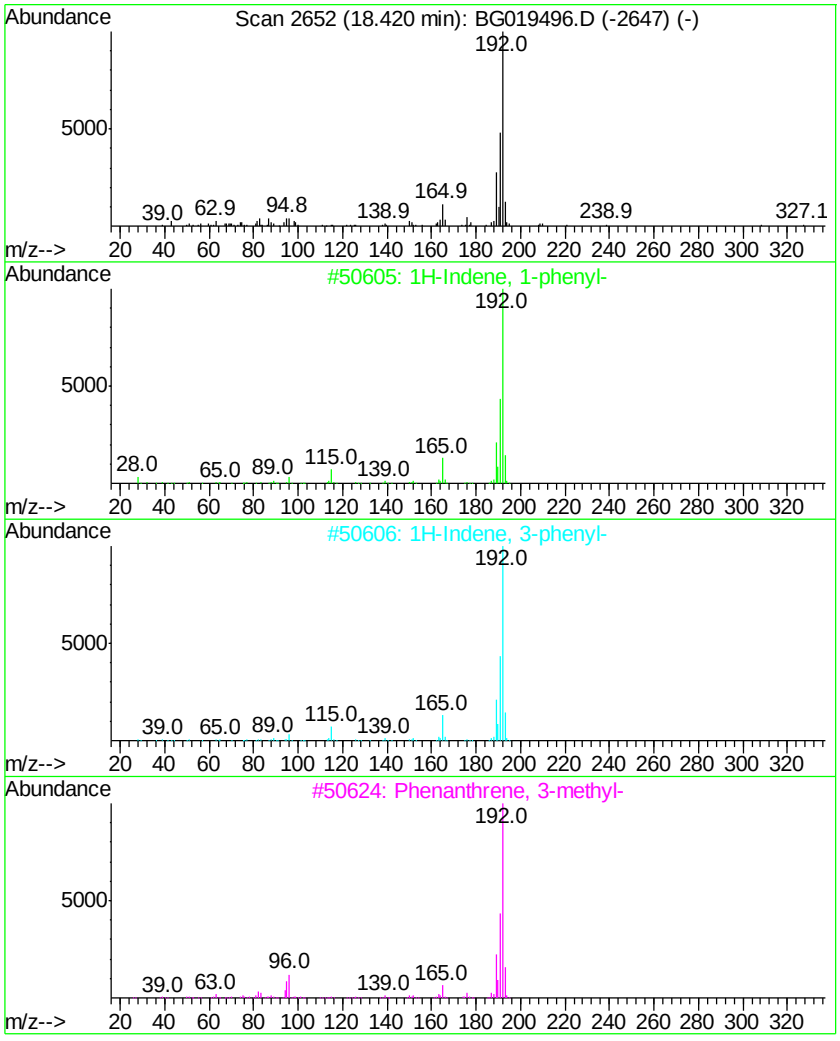
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

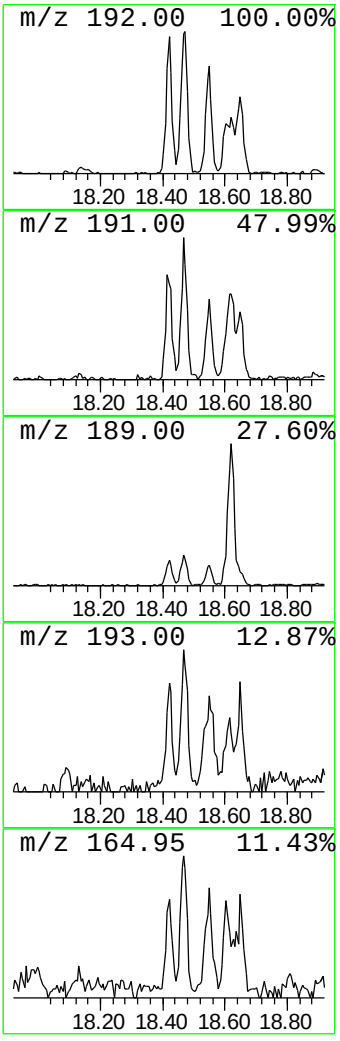
****

Peak Number 3 1H-Indene, 1-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	2.22 ng/ul	105650	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
2	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	93
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019496.D
Acq On : 5 Nov 2015 17:23
Operator : UM/NP
Sample : G4273-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

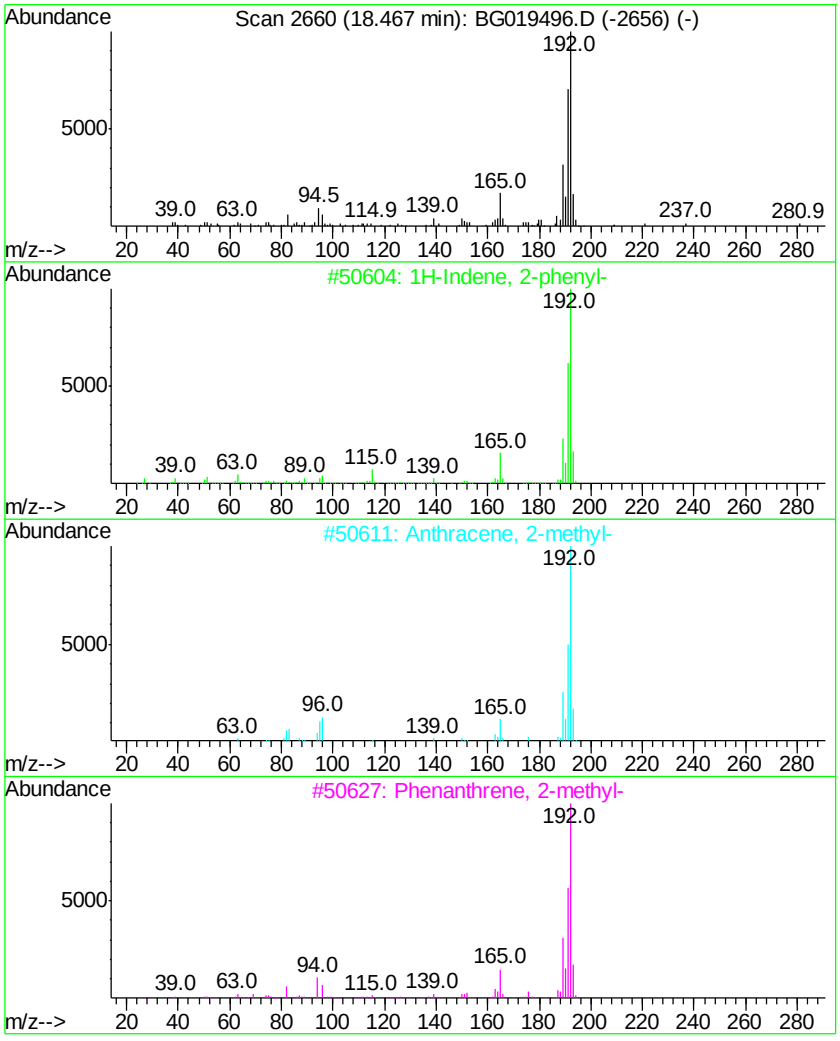
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

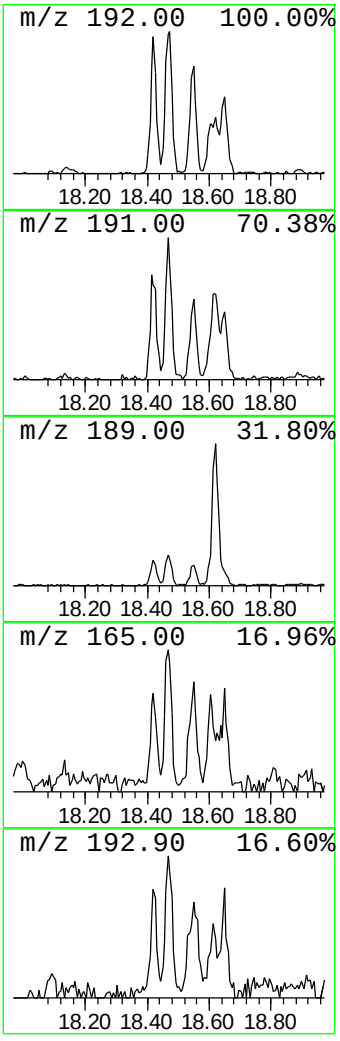
****

Peak Number 4 1H-Indene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	2.74 ng/ul	130368	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019496.D
Acq On : 5 Nov 2015 17:23
Operator : UM/NP
Sample : G4273-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

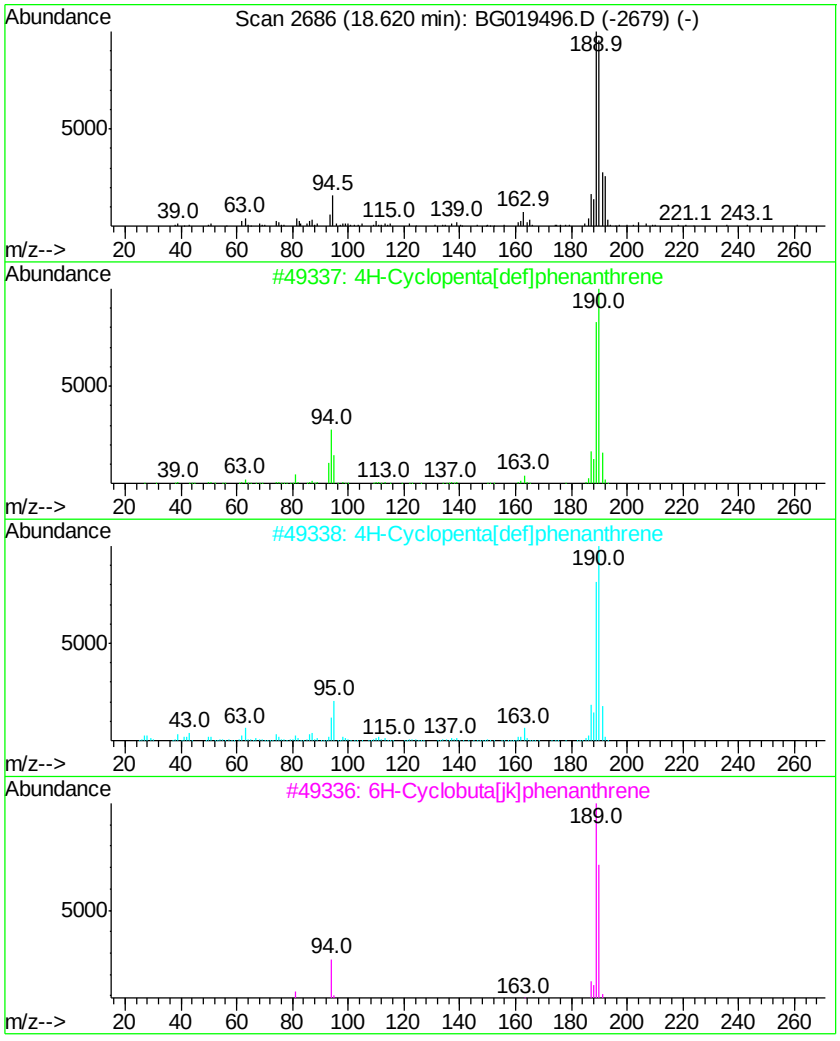
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

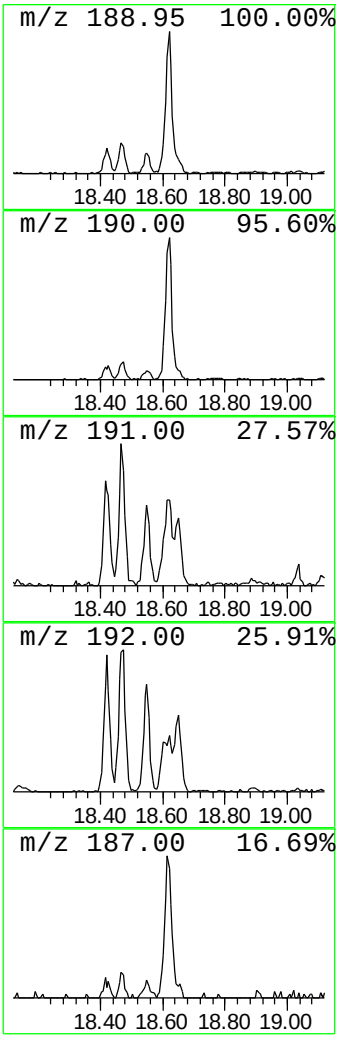
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	4.84 ng/ul	230203	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	58
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019496.D
Acq On : 5 Nov 2015 17:23
Operator : UM/NP
Sample : G4273-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

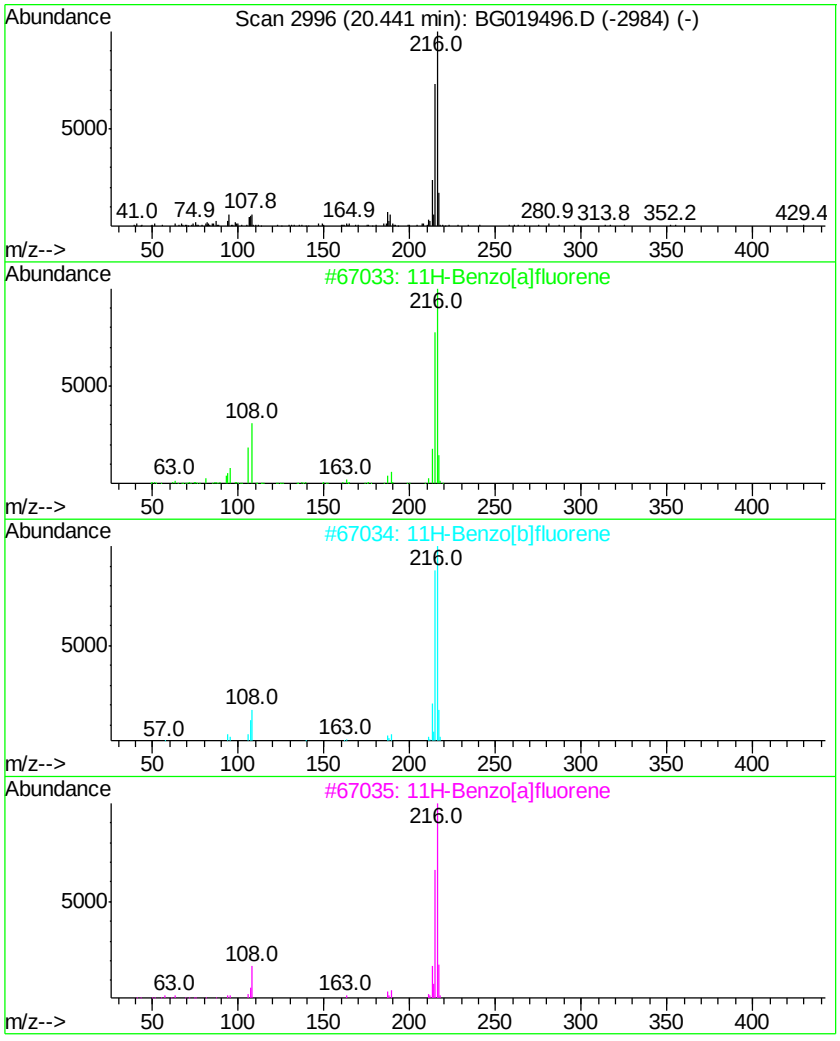
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

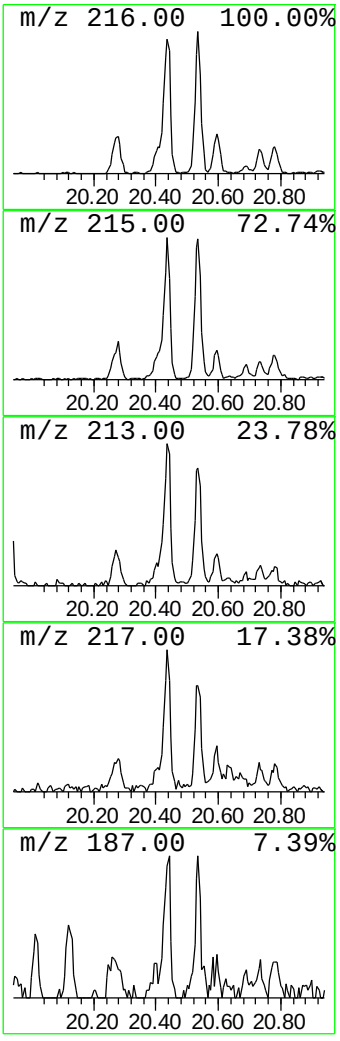
****

Peak Number 6 11H-Benzo[a]fluorene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.44	3.12 ng/ul	268195	Chrysene-d12	21.83

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





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019496.D
Acq On : 5 Nov 2015 17:23
Operator : UM/NP
Sample : G4273-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

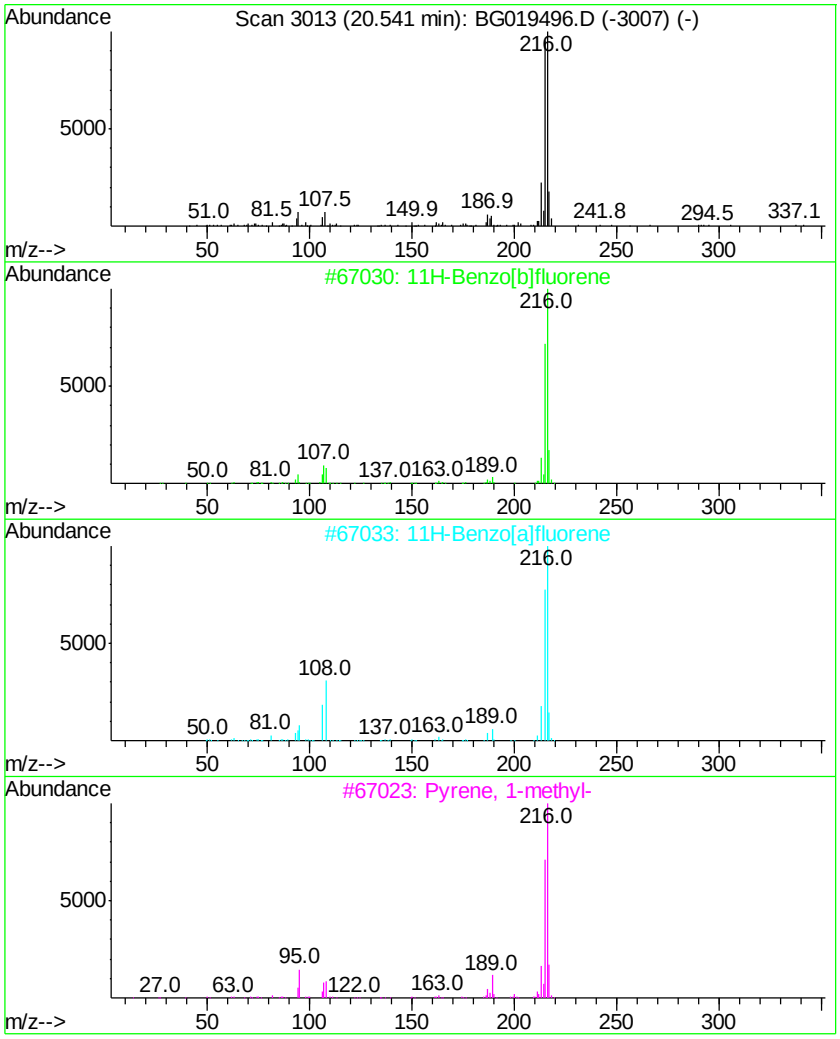
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

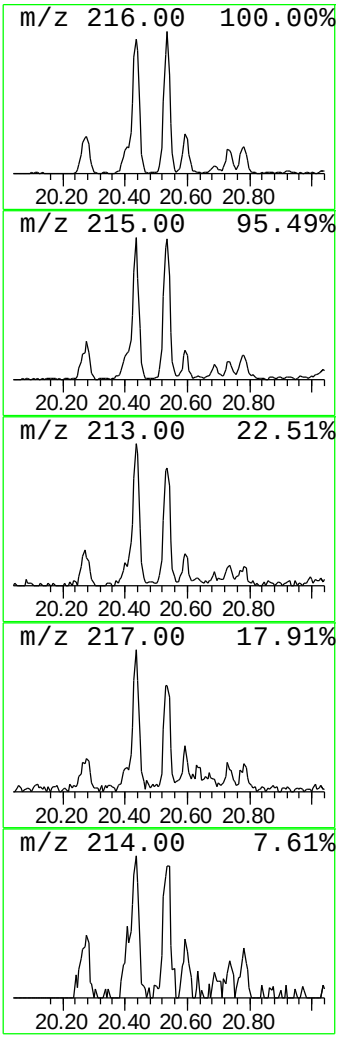
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.54	2.34 ng/ul	201002	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110515\
Data File : BG019496.D
Acq On : 5 Nov 2015 17:23
Operator : UM/NP
Sample : G4273-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.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
Butane, 2-methoxy...	3.21	76.0	ng/ul	996121	1	8.18	262151	20.0
1H-Indene, 1-phenyl-	18.42	2.2	ng/ul	105650	4	17.55	950570	20.0
1H-Indene, 2-phenyl-	18.47	2.7	ng/ul	130368	4	17.55	950570	20.0
4H-Cyclopenta[def...	18.62	4.8	ng/ul	230203	4	17.55	950570	20.0
11H-Benzo[a]fluorene	20.44	3.1	ng/ul	268195	5	21.83	1719130	20.0
11H-Benzo[b]fluorene	20.54	2.3	ng/ul	201002	5	21.83	1719130	20.0