LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG063016\
Data File : BG022737.D
Acq On : 30 Jun 2016 21:40
Operator : UM/SJ
Sample : H3759-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDHN9

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-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	3.538	117	119	127	rVB7	15007	23827	0.40%	0.038%
2	4.072	207	210	214	rBV5	13329	15326	0.26%	0.024%
3	4.718	317	320	322	rBV3	5679	7385	0.12%	0.012%
4	5.241	404	409	413	rVB4	14611	20004	0.34%	0.032%
5	5.471	446	448	451	rVB4	6520	7452	0.13%	0.012%
6	5.852	512	513	518	rBV5	5574	7325	0.12%	0.012%
7	6.358	595	599	602	rBV5	6259	10991	0.19%	0.017%
8	6.593	636	639	642	rBV3	6479	7780	0.13%	0.012%
9	6.728	659	662	663	rBV2	6767	7523	0.13%	0.012%
10	7.310	755	761	770	rVV	519357	947503	15.95%	1.494%
11	7.474	782	789	799	rVV	361260	627529	10.56%	0.989%
12	7.686	818	825	834	rBV	459468	858616	14.45%	1.354%
13	7.815	845	847	852	rVB4	7393	10231	0.17%	0.016%
14	8.050	881	887	891	rBV7	10241	18266	0.31%	0.029%
15	8.162	898	906	918	rVB2	412073	818393	13.78%	1.290%
16	8.432	949	952	956	rVB4	5370	7926	0.13%	0.012%
17	8.520	962	967	968	rBV2	8298	14028	0.24%	0.022%
18	8.702	994	998	1000	rBV4	9368	12825	0.22%	0.020%
19	8.861	1018	1025	1033	rBV	651088	1169067	19.68%	1.843%
20	8.984	1040	1046	1051	rBV4	29602	57596	0.97%	0.091%
21	9.331	1096	1105	1115	rBV	498241	931720	15.68%	1.469%
22	9.431	1115	1122	1126	rVV6	11890	26840	0.45%	0.042%
23	9.483	1126	1131	1136	rVB8	9115	19362	0.33%	0.031%
24	9.719	1168	1171	1178	rVB7	15586	29190	0.49%	0.046%
25	9.983	1214	1216	1219	rVB3	7232	7425	0.12%	0.012%
26	10.053	1219	1228	1239	rBV	464628	875989	14.74%	1.381%
27	10.600	1313	1321	1332	rBV	691761	1288537	21.69%	2.031%
28	10.847	1357	1363	1368	rVB4	32822	66260	1.12%	0.104%
29	10.982	1379	1386	1393	rBV	608821	1147270	19.31%	1.809%
30	11.117	1402	1409	1421	rBV	540991	1017094	17.12%	1.603%
31	11.370	1447	1452	1456	rBV5	21912	33729	0.57%	0.053%
32	11.605	1489	1492	1497	rBV6	6762	11969	0.20%	0.019%
33	11.763	1513	1519	1521	rBV6	7547	12826	0.22%	0.020%
34	11.787	1521	1523	1527	rVB3	9591	7998	0.13%	0.013%

LSC Area Percent Report

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Data File : BG022737.D
Acq On : 30 Jun 2016 21:40
Operator : UM/SJ
Sample : H3759-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDHN9

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-BG063016.M
Title : SVOA CALIBRATION

35	11.981	1553	1556	1557	rBV3	7682	7685	0.13%	0.012%
36	12.139	1582	1583	1586	rBV3	6872	8239	0.14%	0.013%
37	12.445	1633	1635	1637	rBV3	7107	7604	0.13%	0.012%
38	12.562	1650	1655	1659	rVB4	20978	31128	0.52%	0.049%
39	12.633	1663	1667	1669	rBV4	9653	12498	0.21%	0.020%
40	12.909	1711	1714	1717	rBV3	7865	7697	0.13%	0.012%
41	12.991	1724	1728	1737	rVB7	23074	41004	0.69%	0.065%
42	13.397	1793	1797	1801	rVB5	13090	19500	0.33%	0.031%
43	13.602	1826	1832	1835	rBV4	33815	55328	0.93%	0.087%
44	13.679	1840	1845	1848	rVB5	13016	16752	0.28%	0.026%
45	13.966	1891	1894	1898	rVB4	8188	12419	0.21%	0.020%
46	14.113	1915	1919	1923	rBV7	10397	13310	0.22%	0.021%
47	14.196	1926	1933	1937	rVV	1377585	2093728	35.24%	3.301%
48	14.243	1937	1941	1948	rVB	347801	511507	8.61%	0.806%
49	14.313	1950	1953	1956	rBV5	9319	9162	0.15%	0.014%
50	14.495	1977	1984	1996	rBV	1351990	2309311	38.87%	3.640%
51	14.666	2011	2013	2016	rBV3	15049	17087	0.29%	0.027%
52	14.801	2023	2036	2043	rBV2	1153733	1954407	32.90%	3.081%
53	14.860	2043	2046	2053	rVB2	45495	81927	1.38%	0.129%
54	14.995	2062	2069	2078	rBV2	486889	886619	14.92%	1.398%
55	15.112	2086	2089	2094	rBV7	17226	27621	0.46%	0.044%
56	15.206	2100	2105	2110	rVB7	43984	83104	1.40%	0.131%
57	15.271	2110	2116	2117	rBV5	12437	16409	0.28%	0.026%
58	15.353	2129	2130	2133	rVB3	10737	9923	0.17%	0.016%
59	15.388	2133	2136	2137	rBV2	16237	15113	0.25%	0.024%
60	15.459	2146	2148	2153	rVB5	11625	16364	0.28%	0.026%
61	15.582	2164	2169	2172	rBV6	22409	33180	0.56%	0.052%
62	15.623	2172	2176	2180	rVB2	40870	52266	0.88%	0.082%
63	15.670	2180	2184	2187	rBV6	13483	25039	0.42%	0.039%
64	15.794	2198	2205	2211	rBV	1962045	3085708	51.94%	4.864%
65	15.900	2218	2223	2233	rVB	587062	868967	14.63%	1.370%
66	16.029	2243	2245	2249	rVB4	27440	29221	0.49%	0.046%
67	16.135	2261	2263	2268	rVB5	26004	35200	0.59%	0.055%
68	16.240	2280	2281	2284	rBV3	12839	13627	0.23%	0.021%
69	16.487	2319	2323	2325	rBV2	77193	98239	1.65%	0.155%
70	16.851	2380	2385	2389	rVB7	46724	93937	1.58%	0.148%
71	17.004	2408	2411	2414	rVB3	33284	37650	0.63%	0.059%

LSC Area Percent Report

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Data File : BG022737.D
Acq On : 30 Jun 2016 21:40
Operator : UM/SJ
Sample : H3759-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDHN9

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-BG063016.M
Title : SVOA CALIBRATION

72	17.069	2420	2422	2427	rBV6	24202	34443	0.58%	0.054%
73	17.280	2455	2458	2463	rVB2	64462	83992	1.41%	0.132%
74	17.556	2498	2505	2509	rBV	1554807	2493036	41.96%	3.930%
75	17.598	2509	2512	2516	rVB	352954	463895	7.81%	0.731%
76	17.656	2516	2522	2526	rBV	2193408	3444961	57.99%	5.431%
77	18.138	2601	2604	2607	rBV5	37078	45184	0.76%	0.071%
78	18.426	2648	2653	2658	rBV3	328401	511088	8.60%	0.806%
79	18.479	2659	2662	2666	rVB2	108063	158029	2.66%	0.249%
80	18.555	2671	2675	2681	rBV2	113005	177619	2.99%	0.280%
81	18.632	2681	2688	2692	rBV2	313099	592981	9.98%	0.935%
82	18.919	2734	2737	2742	rVB2	125938	178427	3.00%	0.281%
83	19.337	2804	2808	2813	rBV2	123677	198134	3.34%	0.312%
84	19.601	2848	2853	2859	rVB	2290970	3335181	56.14%	5.258%
85	19.689	2865	2868	2874	rVB6	90888	130916	2.20%	0.206%
86	19.754	2875	2879	2883	rVB	221818	287356	4.84%	0.453%
87	19.936	2904	2910	2913	rBV2	3134357	5136234	86.45%	8.097%
88	20.136	2941	2944	2950	rVB	163851	236928	3.99%	0.373%
89	20.277	2964	2968	2975	rVB3	184654	400980	6.75%	0.632%
90	20.447	2993	2997	3003	rVB	704598	1162299	19.56%	1.832%
91	20.553	3010	3015	3019	rBV	698510	986545	16.61%	1.555%
92	20.747	3046	3048	3052	rBV	115753	112699	1.90%	0.178%
93	21.464	3166	3170	3174	rVB2	248185	345706	5.82%	0.545%
94	21.716	3208	3213	3220	rVB	2658026	3836742	64.58%	6.048%
95	21.851	3227	3236	3241	rBV2	2218781	5941000	100.00%	9.365%
96	21.898	3241	3244	3256	rVB	1161120	2011804	33.86%	3.171%
97	22.063	3268	3272	3276	rVB	179312	270952	4.56%	0.427%
98	24.149	3620	3627	3635	rBV	786708	2620199	44.10%	4.130%
99	24.995	3763	3771	3777	rBV2	1147350	2931617	49.35%	4.621%
100	25.224	3802	3810	3818	rBV2	959116	2542957	42.80%	4.009%

Sum of corrected areas: 63436186

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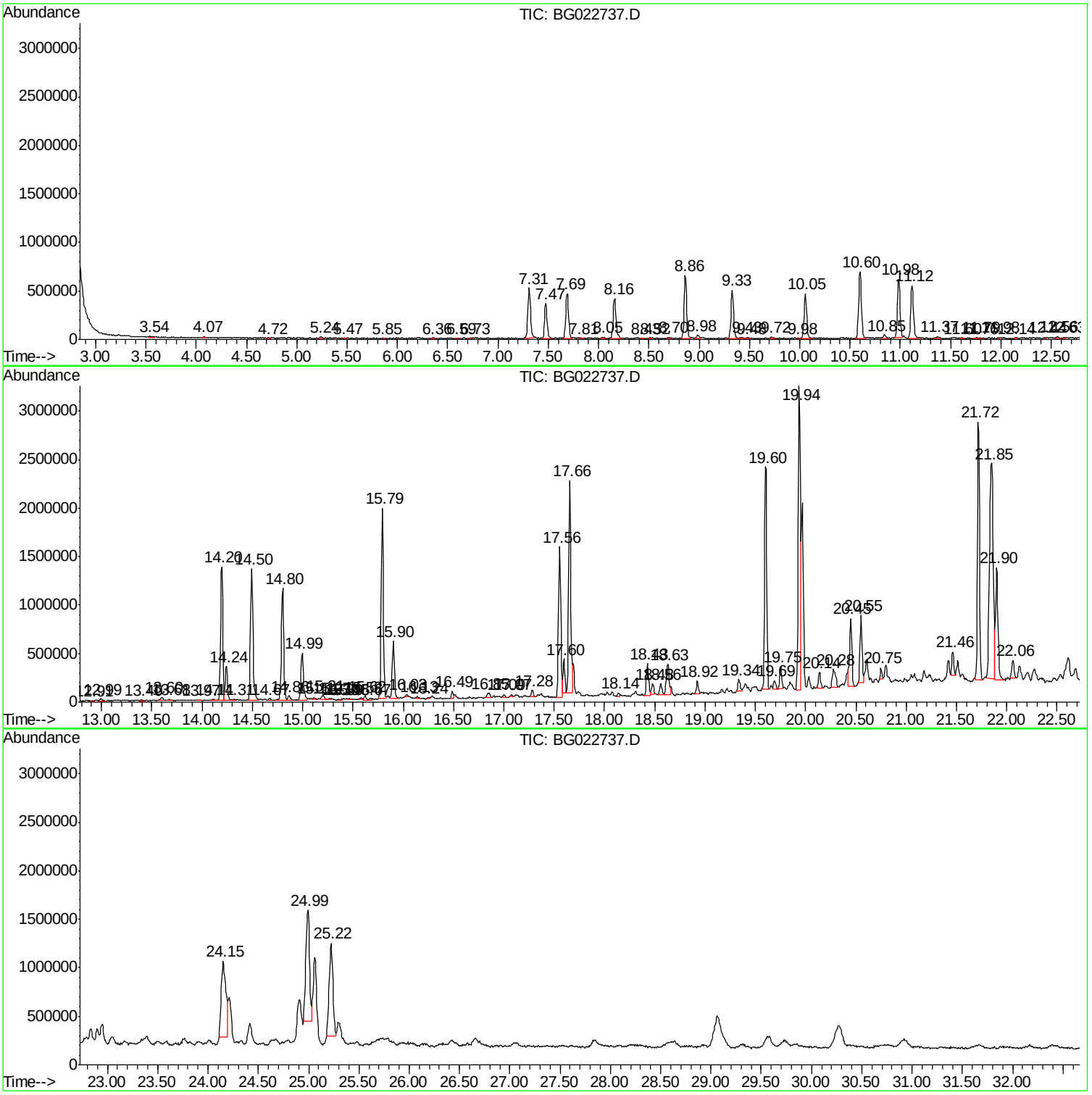
Instrument : BNA_G
ClientSampleId : BDHN9

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



Library Search Compound Report

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Quant Title : SVOA CALIBRATION

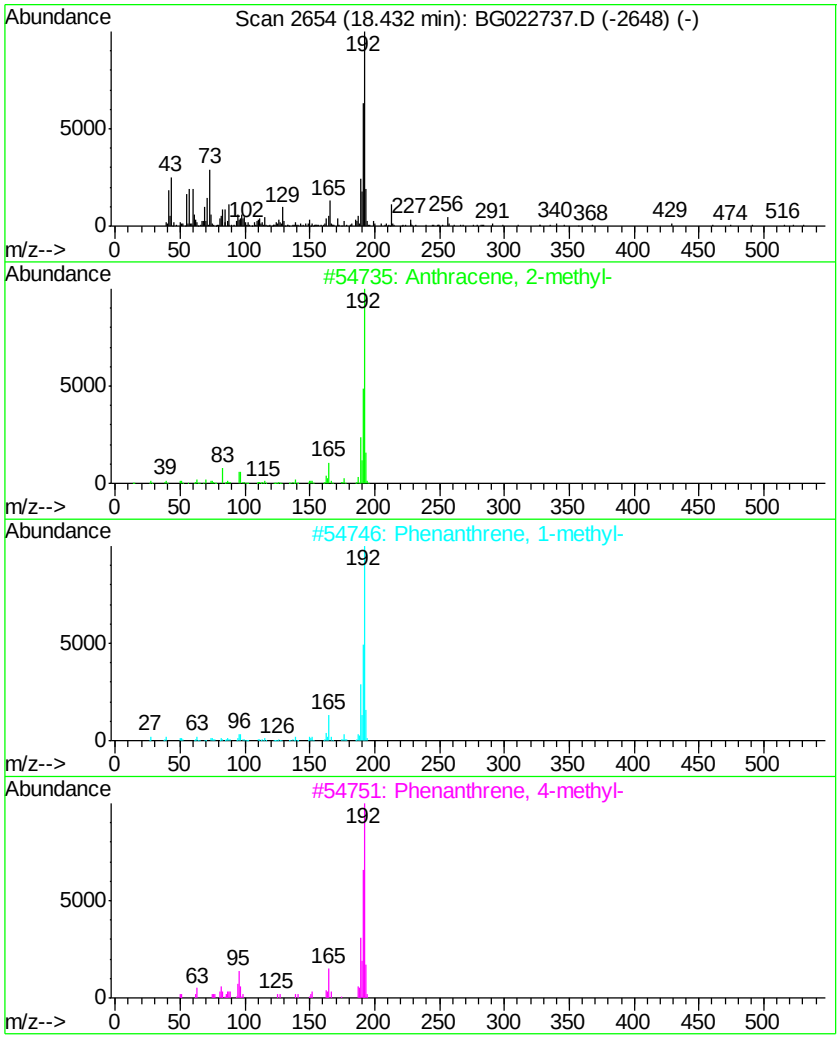
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

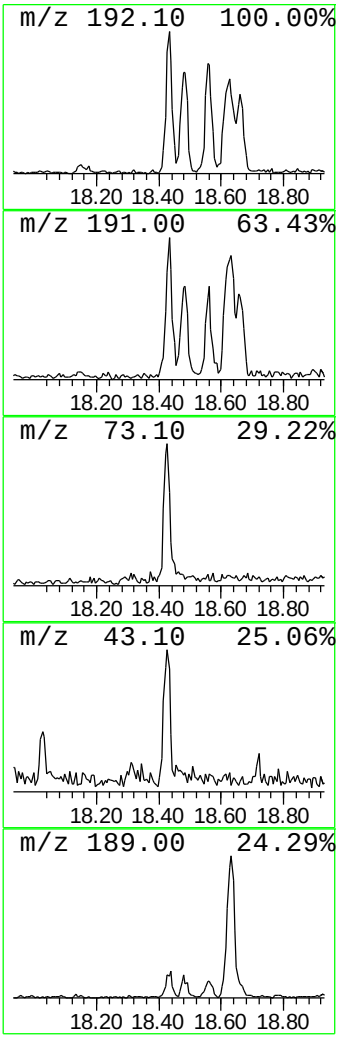
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	4.10 ng/ul	511088	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	78
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	70
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	70
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	70





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG063016\
Data File : BG022737.D
Acq On : 30 Jun 2016 21:40
Operator : UM/SJ
Sample : H3759-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDHN9

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

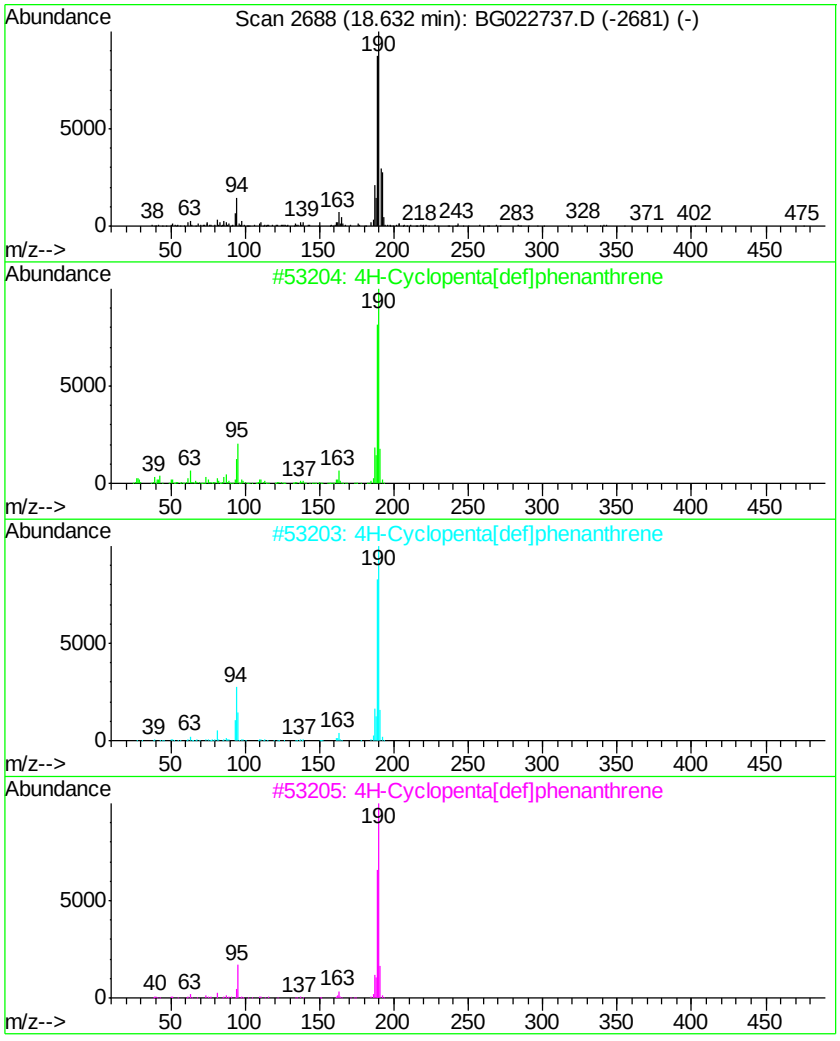
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

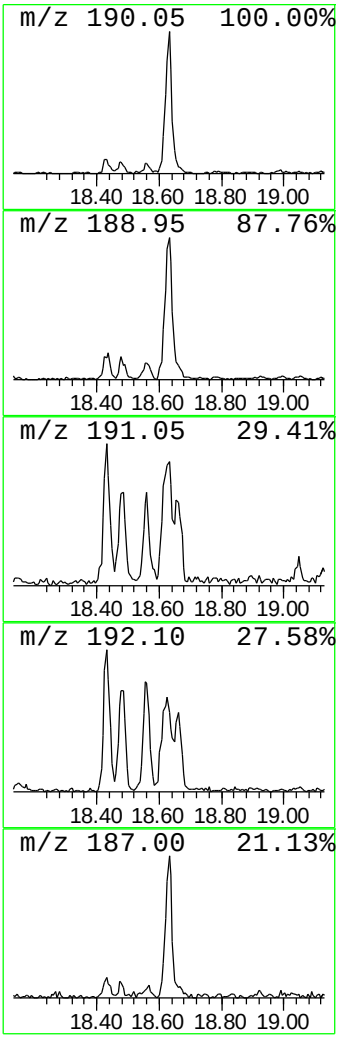
****

Peak Number 2 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	4.76 ng/ul	592981	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	50





Data Path : Z:\HPCHEM1\BNA G\DATA\BG063016\
Data File : BG022737.D
Acq On : 30 Jun 2016 21:40
Operator : UM/SJ
Sample : H3759-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDHN9

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

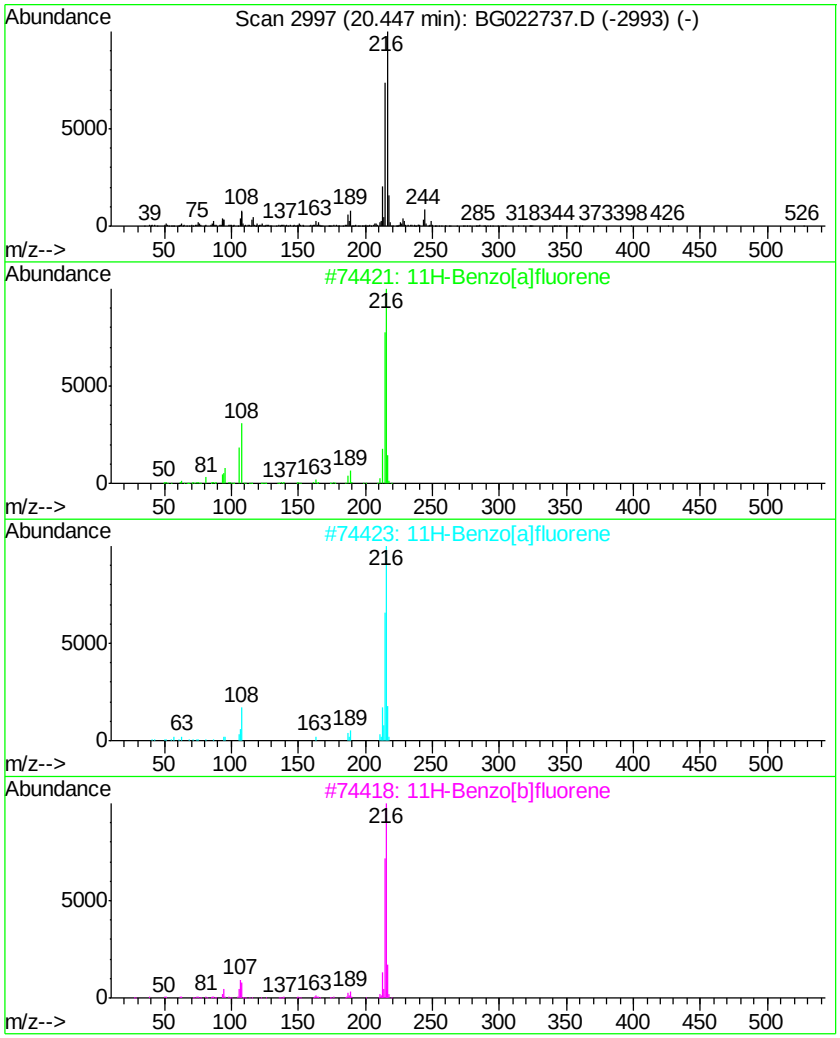
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

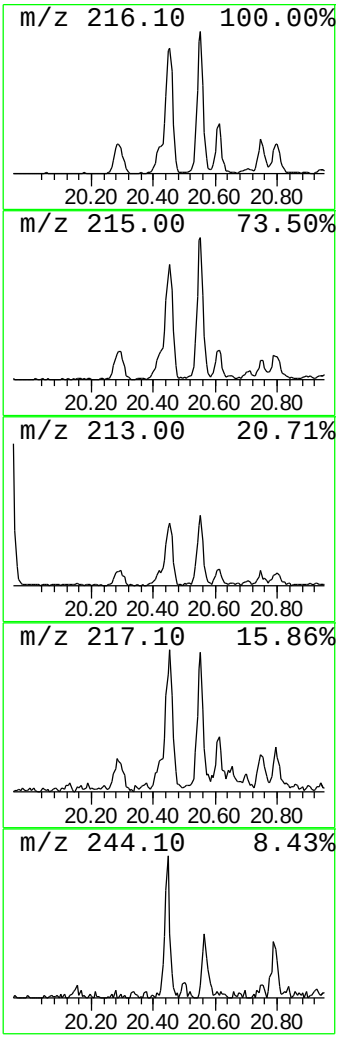
****

Peak Number 3 11H-Benzo[a]fluorene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.45	3.91 ng/ul	1162300	Chrysene-d12	21.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





Library Search Compound Report

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Data File : BG022737.D
Acq On : 30 Jun 2016 21:40
Operator : UM/SJ
Sample : H3759-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDHN9

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

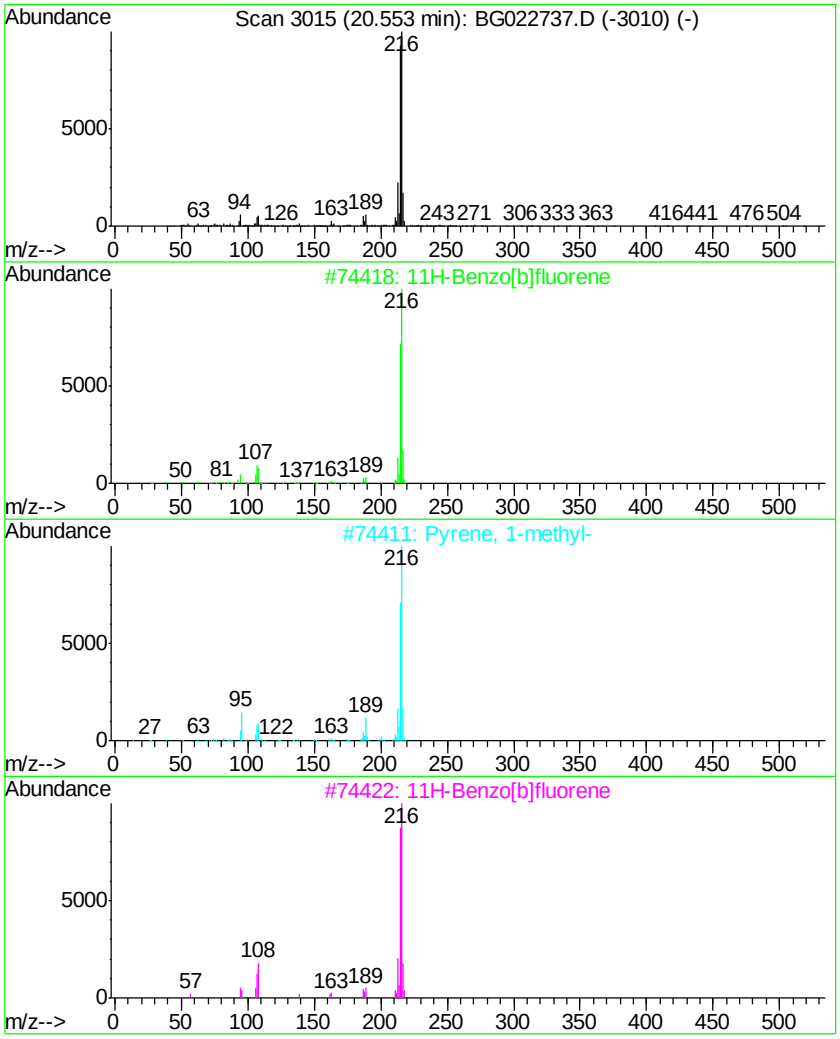
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

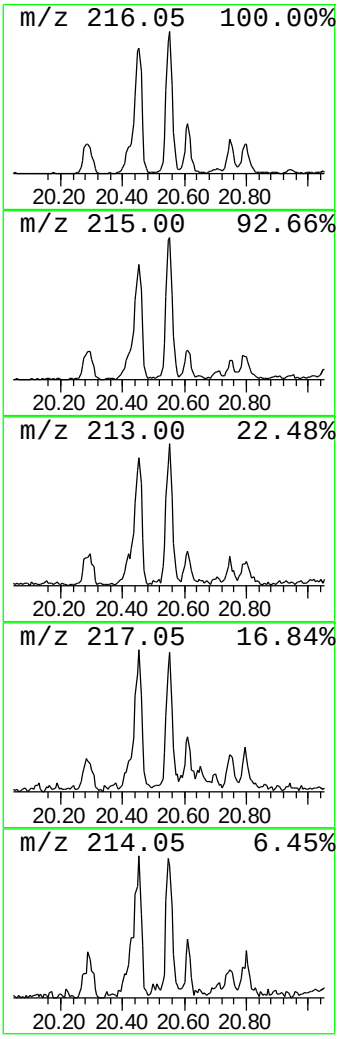
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.55	3.32 ng/ul	986545	Chrysene-d12	21.85

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG063016\
Data File : BG022737.D
Acq On : 30 Jun 2016 21:40
Operator : UM/SJ
Sample : H3759-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDHN9

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Anthracene, 2-met...	18.43	4.1	ng/ul	511088	4	17.56	2493040	20.0
4H-Cyclopenta[def...	18.63	4.8	ng/ul	592981	4	17.56	2493040	20.0
11H-Benzo[a]fluorene	20.45	3.9	ng/ul	1162300	5	21.85	5941000	20.0
11H-Benzo[b]fluorene	20.55	3.3	ng/ul	986545	5	21.85	5941000	20.0