LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028446.D
Acq On : 23 Aug 2017 12:07
Operator : SJ/JU
Sample : I4827-06DL 25X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB5DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.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	4.201	103	104	113	rVB3	1868	4063	0.32%	0.037%
2	4.271	113	116	121	rBV4	2100	3459	0.27%	0.031%
3	4.459	143	148	151	rBV3	2697	4107	0.33%	0.037%
4	4.647	177	180	182	rBV3	3560	4642	0.37%	0.042%
5	5.006	237	241	244	rVB2	2678	3323	0.26%	0.030%
6	5.282	286	288	295	rVB3	2552	4805	0.38%	0.043%
7	5.353	295	300	302	rBV4	2372	4020	0.32%	0.036%
8	5.635	345	348	356	rVB4	2013	3849	0.31%	0.035%
9	5.799	374	376	381	rBV3	1750	3127	0.25%	0.028%
10	7.509	659	667	676	rBV5	6102	13405	1.06%	0.121%
11	7.656	687	692	700	rVV3	4169	8746	0.69%	0.079%
12	7.885	724	731	736	rBV5	7682	11878	0.94%	0.107%
13	8.343	802	809	820	rVB	141300	255439	20.28%	2.308%
14	9.048	924	929	936	rBV3	6593	11788	0.94%	0.107%
15	9.119	936	941	945	rVB3	1904	4141	0.33%	0.037%
16	9.418	987	992	995	rBV3	1486	3080	0.24%	0.028%
17	9.518	1004	1009	1016	rBV3	4663	9294	0.74%	0.084%
18	10.241	1124	1132	1137	rBV6	4502	10315	0.82%	0.093%
19	10.793	1220	1226	1233	rBV6	5696	13810	1.10%	0.125%
20	11.046	1262	1269	1272	rBV3	2205	3558	0.28%	0.032%
21	11.087	1272	1276	1280	rVB3	2859	4636	0.37%	0.042%
22	11.163	1280	1289	1295	rBV	230869	434639	34.51%	3.928%
23	11.210	1295	1297	1305	rVB	30434	48006	3.81%	0.434%
24	11.310	1309	1314	1324	rBV9	5207	13489	1.07%	0.122%
25	11.492	1341	1345	1348	rBV2	3098	3506	0.28%	0.032%
26	12.797	1559	1567	1577	rBV3	20925	37572	2.98%	0.340%
27	13.014	1597	1604	1612	rVB3	16212	29482	2.34%	0.266%
28	13.261	1641	1646	1651	rBV2	1502	3261	0.26%	0.029%
29	13.743	1721	1728	1730	rVV3	2095	3678	0.29%	0.033%
30	13.790	1730	1736	1743	rVB4	6367	12782	1.01%	0.116%
31	13.995	1765	1771	1777	rVV5	4091	9644	0.77%	0.087%
32	14.130	1784	1794	1799	rVB6	7409	20970	1.67%	0.189%
33	14.183	1799	1803	1806	rVB2	2890	3366	0.27%	0.030%
34	14.271	1813	1818	1823	rBV2	16886	30297	2.41%	0.274%

LSC Area Percent Report

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Acq On : 23 Aug 2017 12:07
Operator : SJ/JU
Sample : I4827-06DL 25X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB5DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

35	14.342	1823	1830	1836	rVV3	20056	42790	3.40%	0.387%
36	14.389	1836	1838	1844	rVB3	5613	6141	0.49%	0.055%
37	14.512	1852	1859	1862	rVV4	9710	13616	1.08%	0.123%
38	14.648	1872	1882	1894	rBV4	16298	50308	3.99%	0.455%
39	14.818	1907	1911	1915	rVB3	2495	3670	0.29%	0.033%
40	14.953	1921	1934	1941	rBV2	360951	631056	50.11%	5.703%
41	15.018	1941	1945	1951	rVB	48091	76486	6.07%	0.691%
42	15.082	1951	1956	1962	rBV5	4203	7813	0.62%	0.071%
43	15.165	1962	1970	1971	rBV4	3323	7632	0.61%	0.069%
44	15.247	1982	1984	1989	rVB2	4146	6190	0.49%	0.056%
45	15.347	1995	2001	2007	rBV2	47114	83877	6.66%	0.758%
46	15.417	2007	2013	2019	rVB3	6565	11543	0.92%	0.104%
47	15.558	2033	2037	2041	rVB4	6464	10582	0.84%	0.096%
48	15.611	2041	2046	2053	rVB6	5510	10782	0.86%	0.097%
49	15.740	2060	2068	2070	rBV5	6659	15439	1.23%	0.140%
50	15.899	2091	2095	2098	rVV3	6255	8318	0.66%	0.075%
51	15.940	2098	2102	2106	rVV4	23085	38699	3.07%	0.350%
52	15.999	2106	2112	2119	rVB	75540	128614	10.21%	1.162%
53	16.093	2121	2128	2129	rBV3	9753	13064	1.04%	0.118%
54	16.122	2130	2133	2135	rVV4	10460	14344	1.14%	0.130%
55	16.152	2135	2138	2144	rVV6	12205	21802	1.73%	0.197%
56	16.210	2144	2148	2152	rVV5	5310	9982	0.79%	0.090%
57	16.252	2152	2155	2156	rVV3	7485	8087	0.64%	0.073%
58	16.287	2156	2161	2170	rVB2	18982	37216	2.96%	0.336%
59	16.375	2173	2176	2178	rBV3	3193	3295	0.26%	0.030%
60	16.434	2180	2186	2195	rBV2	19609	42640	3.39%	0.385%
61	16.516	2198	2200	2208	rVB5	6079	12193	0.97%	0.110%
62	16.633	2214	2220	2223	rBV6	7443	16259	1.29%	0.147%
63	16.739	2237	2238	2242	rVB2	3929	3590	0.29%	0.032%
64	16.798	2242	2248	2252	rBV5	5444	10520	0.84%	0.095%
65	16.857	2254	2258	2261	rBV5	5274	8294	0.66%	0.075%
66	17.004	2270	2283	2287	rBV5	19339	54155	4.30%	0.489%
67	17.051	2288	2291	2296	rVB5	13028	18670	1.48%	0.169%
68	17.150	2306	2308	2312	rVB5	6414	7706	0.61%	0.070%
69	17.221	2314	2320	2324	rBV6	11038	20090	1.60%	0.182%
70	17.268	2324	2328	2336	rVB9	10807	19616	1.56%	0.177%
71	17.362	2339	2344	2348	rVB4	17856	28290	2.25%	0.256%

LSC Area Percent Report

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Acq On : 23 Aug 2017 12:07
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Sample : I4827-06DL 25X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB5DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

72	17.427	2349	2355	2365	rVV10	15623	47627	3.78%	0.430%
73	17.521	2365	2371	2379	rVB	38767	71575	5.68%	0.647%
74	17.585	2379	2382	2386	rBV4	5533	8155	0.65%	0.074%
75	17.638	2390	2391	2395	rBV4	4308	4782	0.38%	0.043%
76	17.703	2396	2402	2406	rBV2	442179	752508	59.75%	6.800%
77	17.744	2406	2409	2415	rVV	582541	888324	70.54%	8.027%
78	17.803	2415	2419	2421	rVV2	30465	44040	3.50%	0.398%
79	17.838	2421	2425	2430	rVB	101502	153056	12.15%	1.383%
80	18.108	2463	2471	2483	rBV	54425	121629	9.66%	1.099%
81	18.214	2486	2489	2493	rVB4	11948	15622	1.24%	0.141%
82	18.290	2495	2502	2504	rBV7	13175	24417	1.94%	0.221%
83	18.578	2545	2551	2554	rBV	67854	114889	9.12%	1.038%
84	18.625	2554	2559	2566	rVB	95548	153046	12.15%	1.383%
85	18.702	2566	2572	2576	rBV2	34072	59533	4.73%	0.538%
86	18.772	2577	2584	2597	rVB6	100460	271655	21.57%	2.455%
87	19.060	2629	2633	2638	rBV2	53582	90519	7.19%	0.818%
88	19.113	2638	2642	2649	rVB3	40644	76179	6.05%	0.688%
89	19.301	2671	2674	2679	rBV7	23370	31840	2.53%	0.288%
90	19.354	2680	2683	2687	rVV3	21396	26724	2.12%	0.241%
91	19.471	2699	2703	2708	rBV	40083	66996	5.32%	0.605%
92	19.742	2743	2749	2755	rBV	640137	960151	76.24%	8.676%
93	20.106	2800	2811	2817	rBV	544703	1020749	81.06%	9.224%
94	20.593	2890	2894	2900	rVB3	83726	133914	10.63%	1.210%
95	20.687	2906	2910	2914	rBV	63030	89166	7.08%	0.806%
96	22.033	3130	3139	3144	rBV2	509139	1259324	100.00%	11.380%
97	22.086	3145	3148	3160	rVB2	212015	361163	28.68%	3.264%
98	24.436	3539	3548	3568	rBV2	130456	669915	53.20%	6.054%
99	25.382	3702	3709	3720	rVB	119069	355118	28.20%	3.209%
100	25.547	3729	3737	3749	rBV2	218105	654038	51.94%	5.910%

Sum of corrected areas: 11066200

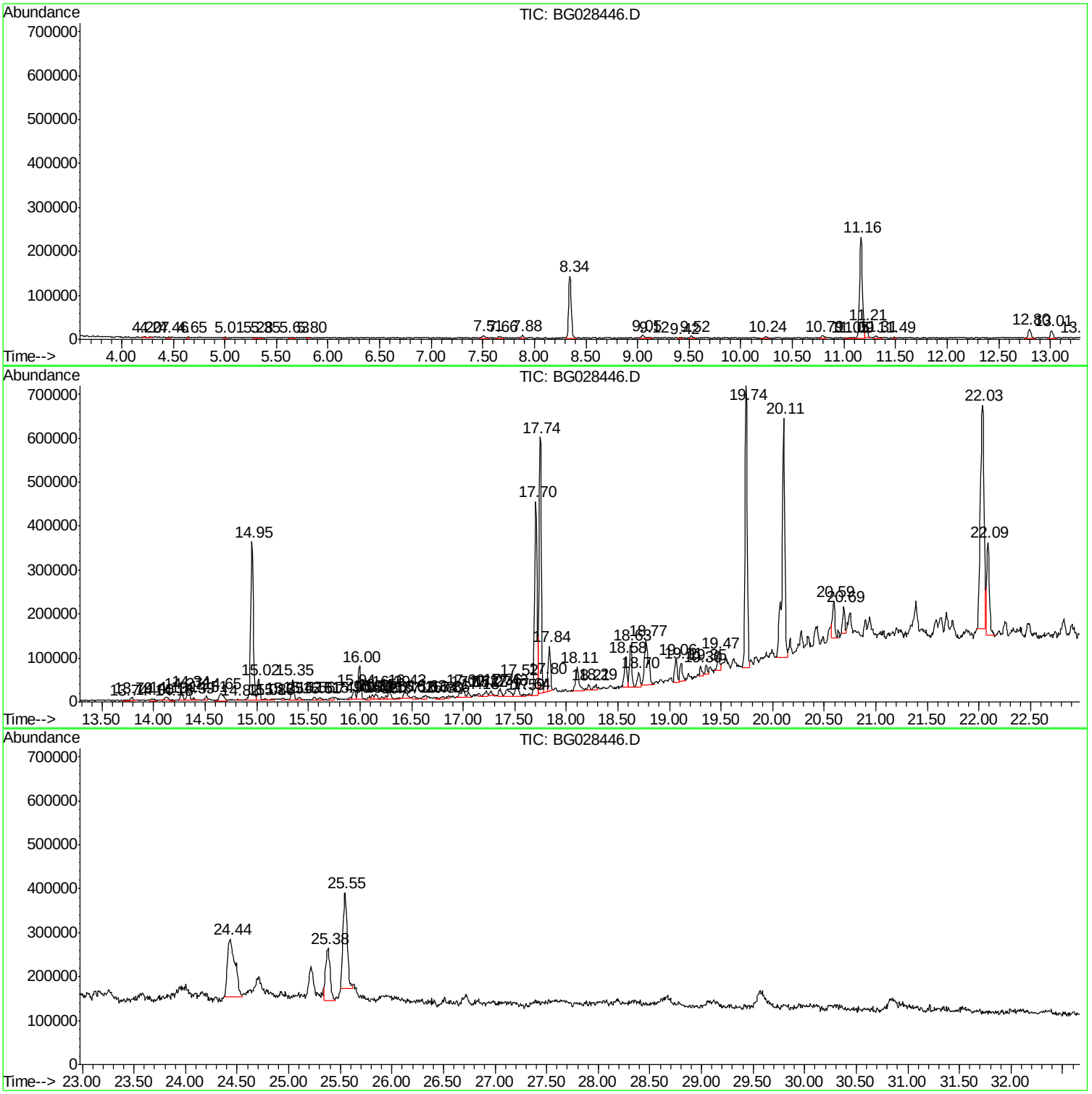
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028446.D
Acq On : 23 Aug 2017 12:07
Operator : SJ/JU
Sample : I4827-06DL 25X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB5DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028446.D
Acq On : 23 Aug 2017 12:07
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Sample : I4827-06DL 25X
Misc :
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Instrument : BNA_G
ClientSampleId : B0AB5DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

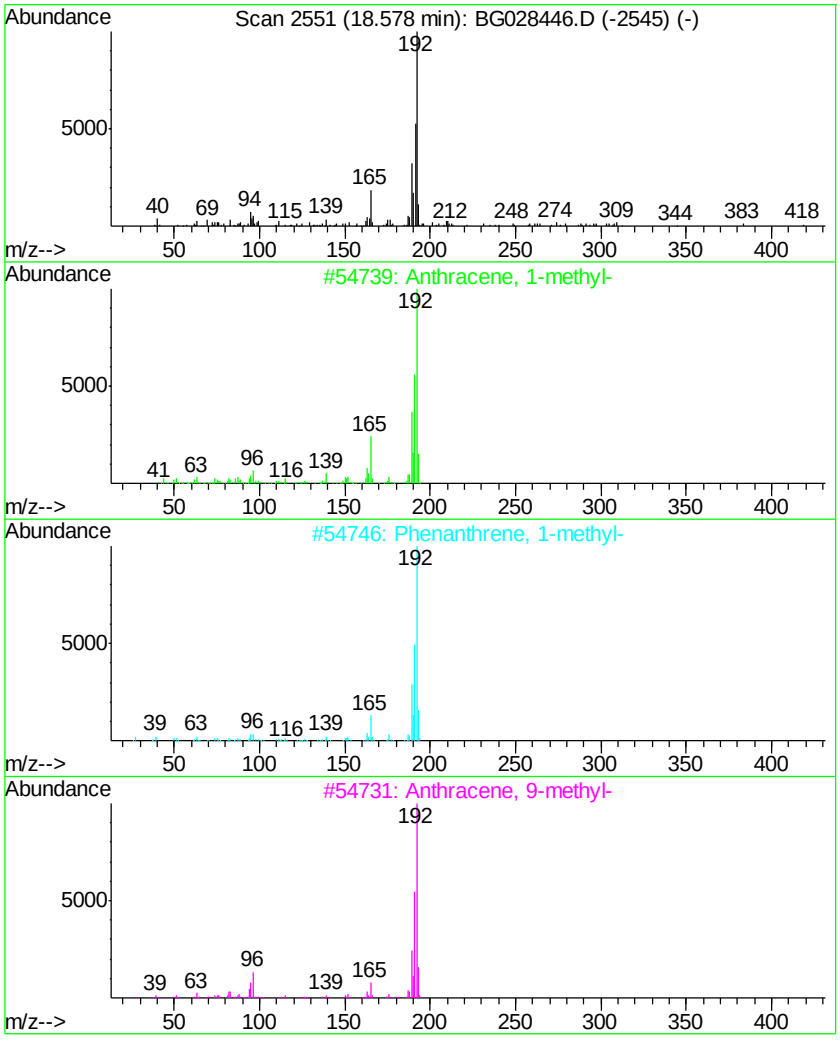
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

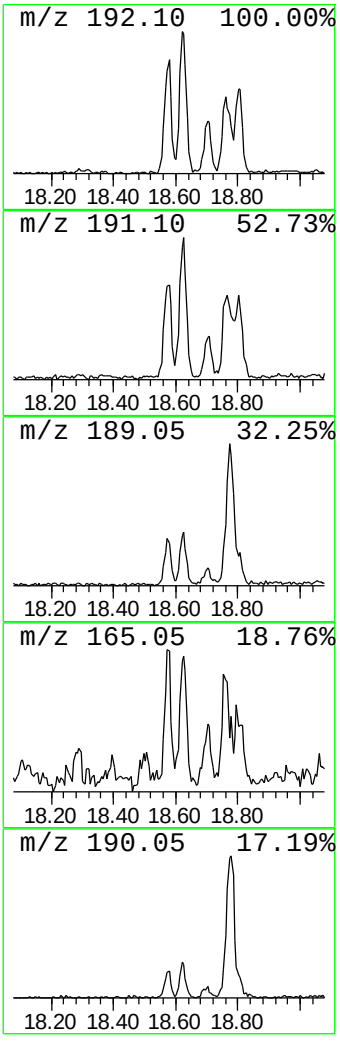
****

Peak Number 1 Anthracene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.58	3.05 ng/ul	114889	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028446.D
Acq On : 23 Aug 2017 12:07
Operator : SJ/JU
Sample : I4827-06DL 25X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB5DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

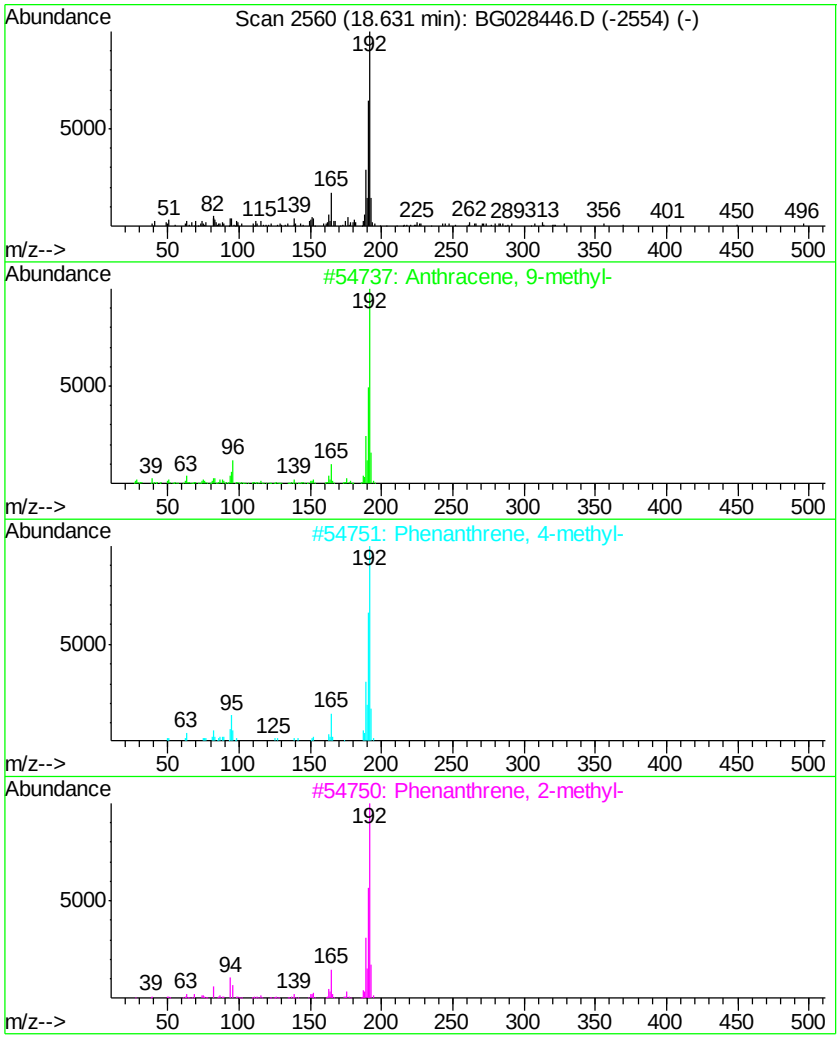
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

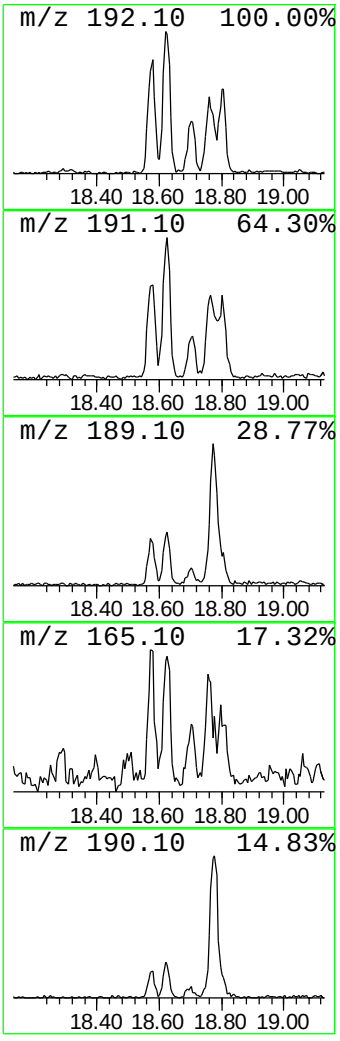
****

Peak Number 2 Anthracene, 9-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	4.07 ng/ul	153046	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	89
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
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Operator : SJ/JU
Sample : I4827-06DL 25X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB5DL

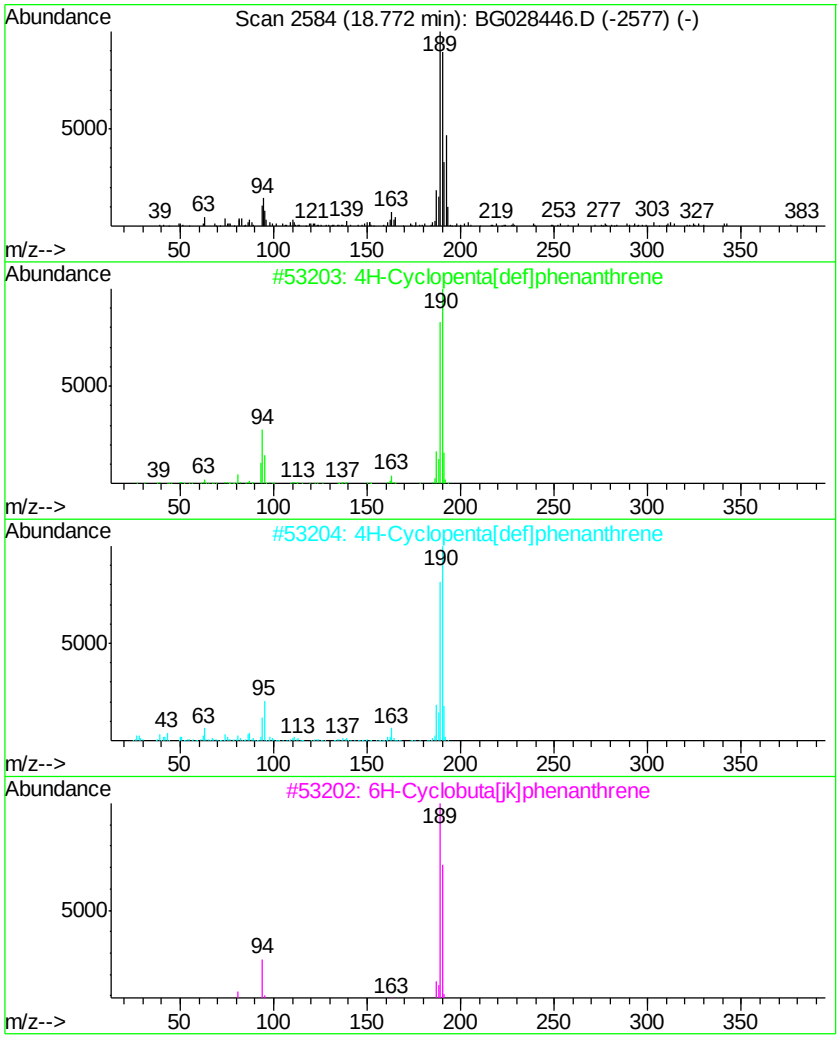
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

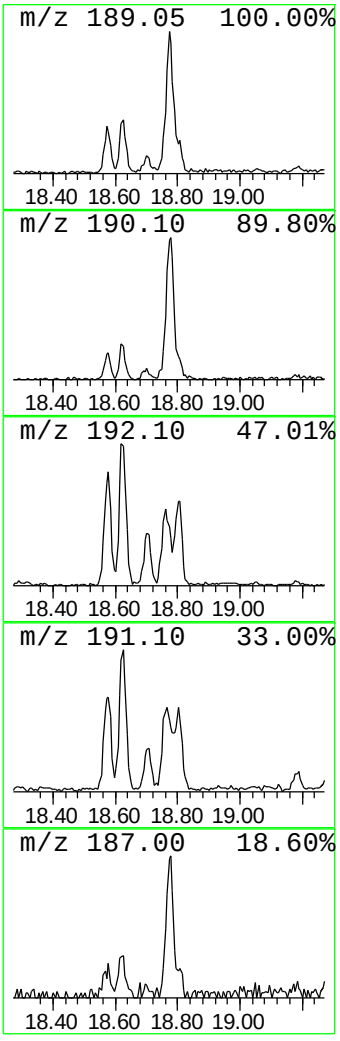
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	7.22 ng/ul	271655	Phenanthrene-d10	17.70

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	62
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	53
5	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	47





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Acq On : 23 Aug 2017 12:07
Operator : SJ/JU
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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB5DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

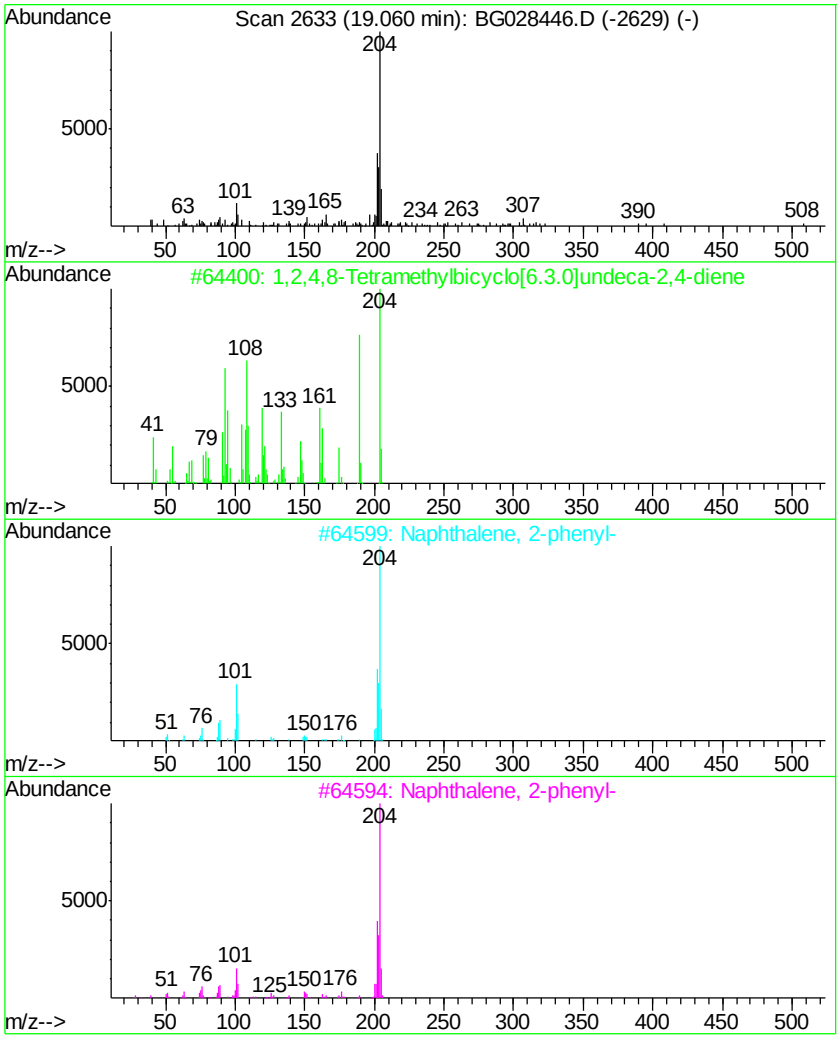
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

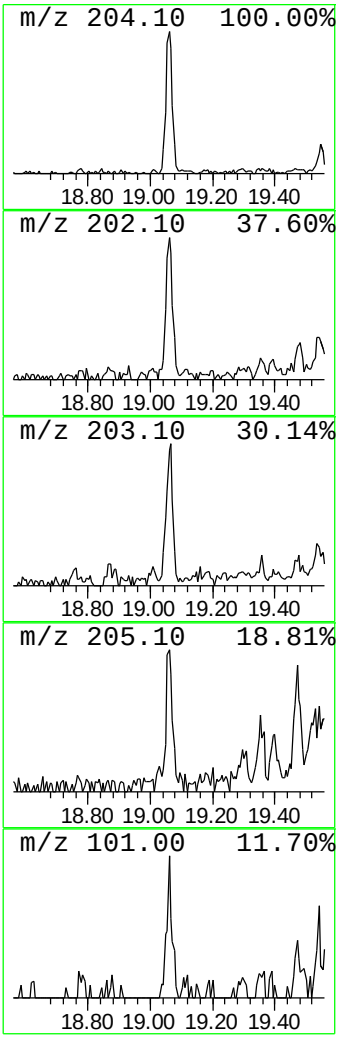
****

Peak Number 4 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	2.41 ng/ul	90519	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	95
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028446.D
Acq On : 23 Aug 2017 12:07
Operator : SJ/JU
Sample : I4827-06DL 25X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB5DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

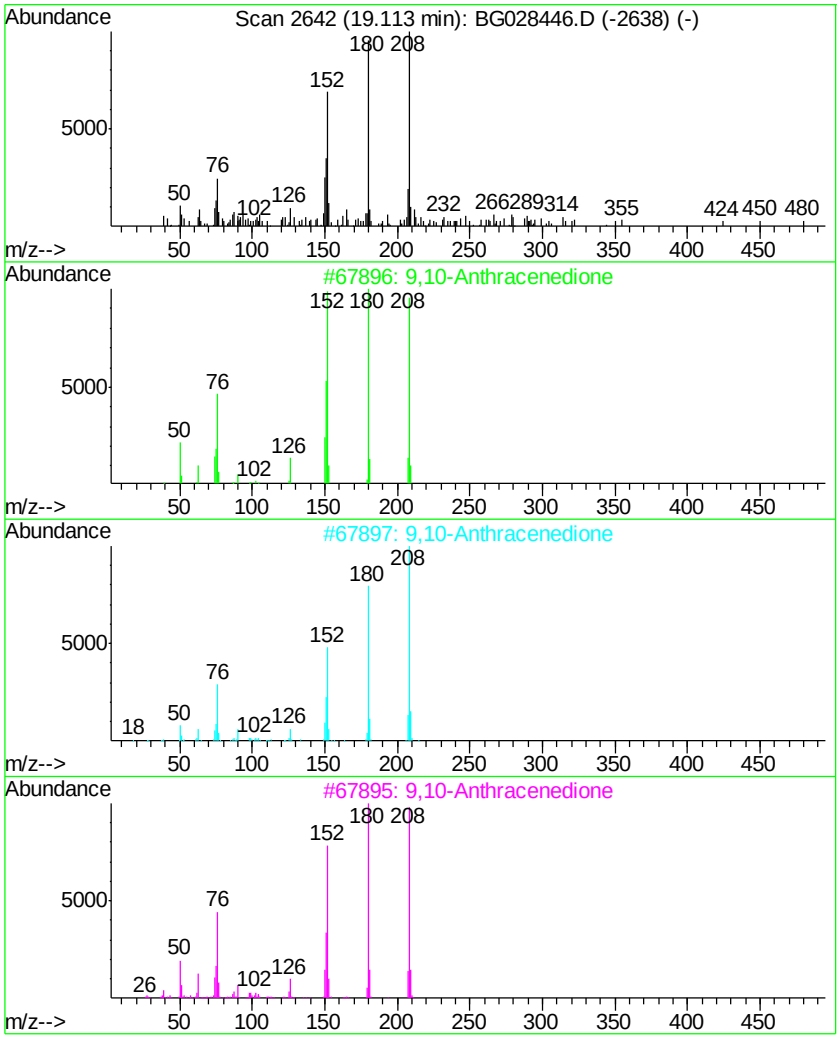
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

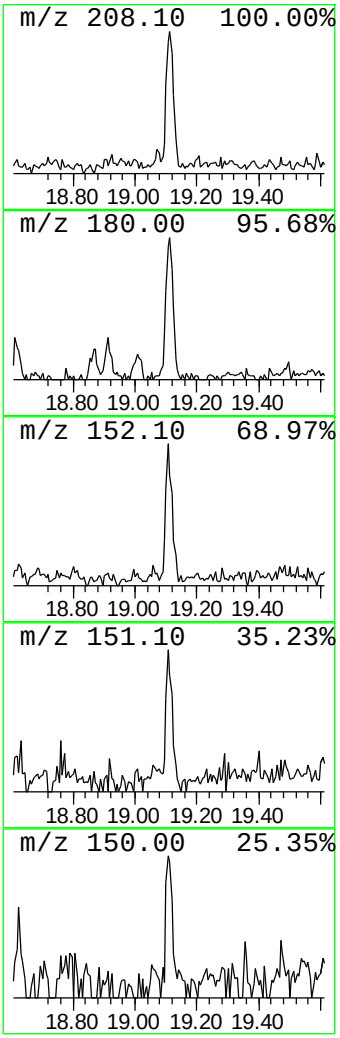
****

Peak Number 5 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.11	2.02 ng/ul	76179	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	83
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028446.D
Acq On : 23 Aug 2017 12:07
Operator : SJ/JU
Sample : I4827-06DL 25X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB5DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

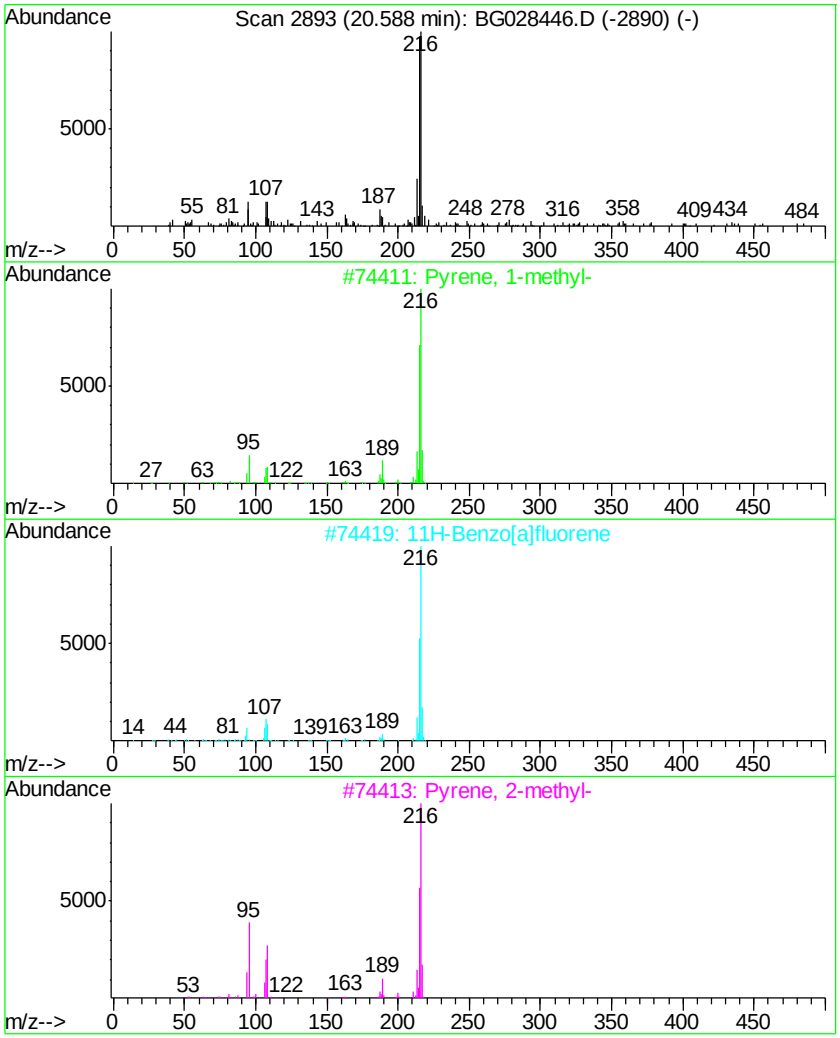
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

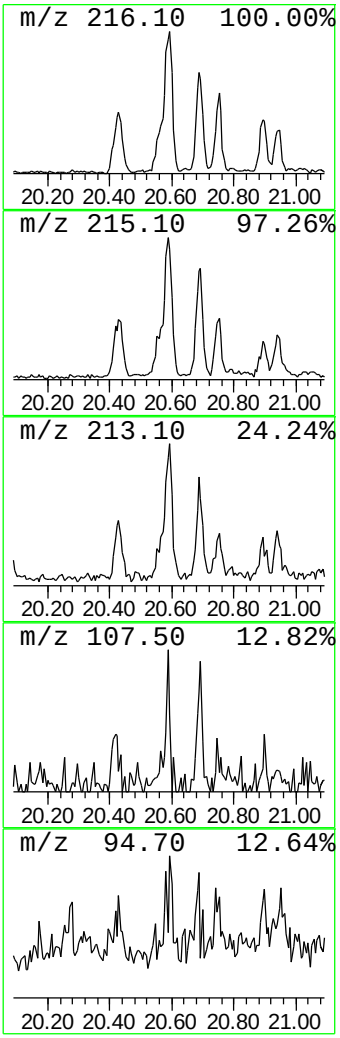
****

Peak Number 6 Pyrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.59	2.13 ng/ul	133914	Chrysene-d12	22.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028446.D
Acq On : 23 Aug 2017 12:07
Operator : SJ/JU
Sample : I4827-06DL 25X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB5DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.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, 1-met...	18.58	3.0	ng/ul	114889	4	17.70	752508	20.0
Anthracene, 9-met...	18.63	4.1	ng/ul	153046	4	17.70	752508	20.0
4H-Cyclopenta[def...	18.77	7.2	ng/ul	271655	4	17.70	752508	20.0
1,2,4,8-Tetrameth...	19.06	2.4	ng/ul	90519	4	17.70	752508	20.0
9,10-Anthracenedione	19.11	2.0	ng/ul	76179	4	17.70	752508	20.0
Pyrene, 1-methyl-	20.59	2.1	ng/ul	133914	5	22.04	1259320	20.0