LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028366.D
Acq On : 16 Aug 2017 5:56
Operator : SJ/JU
Sample : I4672-02 10X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AG4

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	3.741	23	26	32	rBV5	2568	5121	0.28%	0.032%
2	4.352	126	130	136	rVB3	5959	8732	0.48%	0.055%
3	6.361	464	472	479	rVB4	2424	7472	0.41%	0.047%
4	7.513	664	668	679	rVB4	12531	30070	1.64%	0.189%
5	7.671	689	695	704	rBV3	9810	19254	1.05%	0.121%
6	7.901	727	734	741	rVB4	13118	27800	1.51%	0.175%
7	8.359	802	812	821	rBV2	188635	335473	18.28%	2.112%
8	9.064	924	932	940	rBV4	16398	31567	1.72%	0.199%
9	9.528	1005	1011	1020	rVB4	13329	27066	1.47%	0.170%
10	10.257	1127	1135	1141	rBV5	10419	22057	1.20%	0.139%
11	10.809	1219	1229	1245	rBV3	17936	38937	2.12%	0.245%
12	11.097	1269	1278	1283	rBV4	3009	5716	0.31%	0.036%
13	11.179	1283	1292	1299	rBV	274522	523631	28.53%	3.296%
14	11.326	1308	1317	1326	rBV7	9088	22705	1.24%	0.143%
15	12.813	1561	1570	1575	rBV3	8003	14475	0.79%	0.091%
16	13.030	1599	1607	1613	rBV5	8062	16128	0.88%	0.102%
17	13.946	1761	1763	1769	rBV3	3430	5748	0.31%	0.036%
18	14.152	1786	1798	1802	rBV5	3327	9827	0.54%	0.062%
19	14.287	1813	1821	1826	rBV2	9326	18198	0.99%	0.115%
20	14.352	1826	1832	1837	rVV	44234	73223	3.99%	0.461%
21	14.399	1837	1840	1848	rVB2	13838	21990	1.20%	0.138%
22	14.516	1856	1860	1874	rVB5	4208	11288	0.62%	0.071%
23	14.663	1878	1885	1901	rBV2	46568	128788	7.02%	0.811%
24	14.969	1924	1937	1944	rBV3	457399	776350	42.30%	4.887%
25	15.033	1944	1948	1951	rVB5	5994	6809	0.37%	0.043%
26	15.104	1954	1960	1963	rVB6	3489	7048	0.38%	0.044%
27	15.204	1971	1977	1980	rBV7	4420	8069	0.44%	0.051%
28	15.357	1998	2003	2009	rBV	21955	33093	1.80%	0.208%
29	15.433	2012	2016	2022	rVB4	6113	7104	0.39%	0.045%
30	15.574	2035	2040	2045	rVV3	6280	12286	0.67%	0.077%
31	15.627	2045	2049	2062	rVB4	5183	11793	0.64%	0.074%
32	15.739	2062	2068	2071	rBV4	5030	11498	0.63%	0.072%
33	15.768	2071	2073	2079	rVB4	6748	8399	0.46%	0.053%
34	15.838	2079	2085	2089	rBV4	4339	8331	0.45%	0.052%

LSC Area Percent Report

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Acq On : 16 Aug 2017 5:56
Operator : SJ/JU
Sample : I4672-02 10X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AG4

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	15.956	2094	2105	2109	rBV2	68644	109345	5.96%	0.688%
36	16.003	2109	2113	2121	rVV4	29969	56995	3.11%	0.359%
37	16.073	2121	2125	2131	rVB3	8172	14586	0.79%	0.092%
38	16.220	2147	2150	2156	rVB2	3947	7137	0.39%	0.045%
39	16.303	2156	2164	2170	rBV2	15290	30744	1.68%	0.194%
40	16.444	2183	2188	2197	rBV4	16816	38441	2.09%	0.242%
41	16.655	2214	2224	2225	rBV6	5108	11802	0.64%	0.074%
42	17.008	2273	2284	2290	rBV10	12647	32248	1.76%	0.203%
43	17.060	2290	2293	2298	rVV5	6440	7786	0.42%	0.049%
44	17.160	2305	2310	2315	rVB7	4131	8841	0.48%	0.056%
45	17.237	2315	2323	2328	rBV6	14215	29148	1.59%	0.183%
46	17.278	2328	2330	2333	rVB3	7182	7453	0.41%	0.047%
47	17.366	2340	2345	2351	rBV	34269	54101	2.95%	0.341%
48	17.431	2351	2356	2363	rVV4	11246	25039	1.36%	0.158%
49	17.536	2365	2374	2381	rVB	23745	43380	2.36%	0.273%
50	17.601	2384	2385	2392	rVB5	5252	9337	0.51%	0.059%
51	17.719	2396	2405	2408	rBV	589714	968906	52.79%	6.100%
52	17.760	2408	2412	2417	rVB	508990	760228	41.42%	4.786%
53	17.813	2417	2421	2424	rBV	61510	85537	4.66%	0.538%
54	17.848	2425	2427	2433	rVB	42821	55511	3.02%	0.349%
55	17.989	2448	2451	2456	rBV7	4622	10272	0.56%	0.065%
56	18.024	2456	2457	2463	rVB6	5151	6099	0.33%	0.038%
57	18.118	2463	2473	2485	rBV3	51046	123406	6.72%	0.777%
58	18.224	2487	2491	2498	rBV5	13731	22201	1.21%	0.140%
59	18.294	2498	2503	2510	rBV9	12601	24565	1.34%	0.155%
60	18.394	2517	2520	2522	rBV4	5610	5981	0.33%	0.038%
61	18.435	2525	2527	2533	rVB5	8176	11906	0.65%	0.075%
62	18.512	2536	2540	2544	rBV5	7425	14681	0.80%	0.092%
63	18.588	2544	2553	2556	rBV	66215	119373	6.50%	0.751%
64	18.635	2556	2561	2566	rVB	84534	128238	6.99%	0.807%
65	18.712	2570	2574	2578	rVB2	22569	36198	1.97%	0.228%
66	18.788	2579	2587	2590	rBV2	85306	186454	10.16%	1.174%
67	18.882	2600	2603	2607	rVB6	7638	11840	0.65%	0.075%
68	18.923	2608	2610	2615	rVB4	10261	13120	0.71%	0.083%
69	18.964	2615	2617	2622	rBV5	7173	7972	0.43%	0.050%
70	19.023	2623	2627	2630	rVB5	10155	13224	0.72%	0.083%
71	19.076	2630	2636	2639	rBV	54403	88131	4.80%	0.555%

LSC Area Percent Report

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Acq On : 16 Aug 2017 5:56
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Sample : I4672-02 10X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AG4

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

72	19.123	2639	2644	2653	rVB	141135	220470	12.01%	1.388%
73	19.317	2671	2677	2680	rBV7	18316	33973	1.85%	0.214%
74	19.405	2689	2692	2696	rVB3	12713	14773	0.80%	0.093%
75	19.481	2700	2705	2712	rBV6	34839	97119	5.29%	0.611%
76	19.634	2726	2731	2738	rVB2	45734	78938	4.30%	0.497%
77	19.757	2744	2752	2758	rBV	998765	1425443	77.66%	8.974%
78	19.904	2772	2777	2781	rBV	96438	143240	7.80%	0.902%
79	19.939	2781	2783	2788	rVB2	27923	39824	2.17%	0.251%
80	20.116	2801	2813	2820	rBV	834870	1507620	82.14%	9.491%
81	20.180	2820	2824	2832	rVB2	48651	77103	4.20%	0.485%
82	20.286	2838	2842	2848	rVB	51737	76151	4.15%	0.479%
83	20.351	2851	2853	2859	rVB	31411	42200	2.30%	0.266%
84	20.439	2861	2868	2874	rBV4	52089	127518	6.95%	0.803%
85	20.598	2884	2895	2902	rBV2	99402	252942	13.78%	1.592%
86	20.703	2908	2913	2916	rBV	47434	68896	3.75%	0.434%
87	20.762	2917	2923	2932	rVB3	71301	156631	8.53%	0.986%
88	20.909	2944	2948	2951	rBV2	32234	47881	2.61%	0.301%
89	21.397	3027	3031	3038	rVB	75565	119741	6.52%	0.754%
90	21.702	3078	3083	3087	rBV4	68162	109959	5.99%	0.692%
91	21.755	3088	3092	3104	rVB	74941	151464	8.25%	0.954%
92	22.049	3132	3142	3147	rBV2	739244	1835383	100.00%	11.554%
93	22.102	3147	3151	3163	rVB	320489	618019	33.67%	3.891%
94	22.272	3176	3180	3185	rVB3	30375	50144	2.73%	0.316%
95	22.337	3186	3191	3197	rBV2	67239	130410	7.11%	0.821%
96	24.446	3541	3550	3558	rBV2	239577	915399	49.88%	5.763%
97	24.734	3593	3599	3616	rVB3	62358	188149	10.25%	1.184%
98	25.239	3677	3685	3695	rBV2	123095	374617	20.41%	2.358%
99	25.398	3704	3712	3725	rVB2	216159	662322	36.09%	4.170%
100	25.568	3732	3741	3749	rBV2	300128	842187	45.89%	5.302%

Sum of corrected areas: 15884788

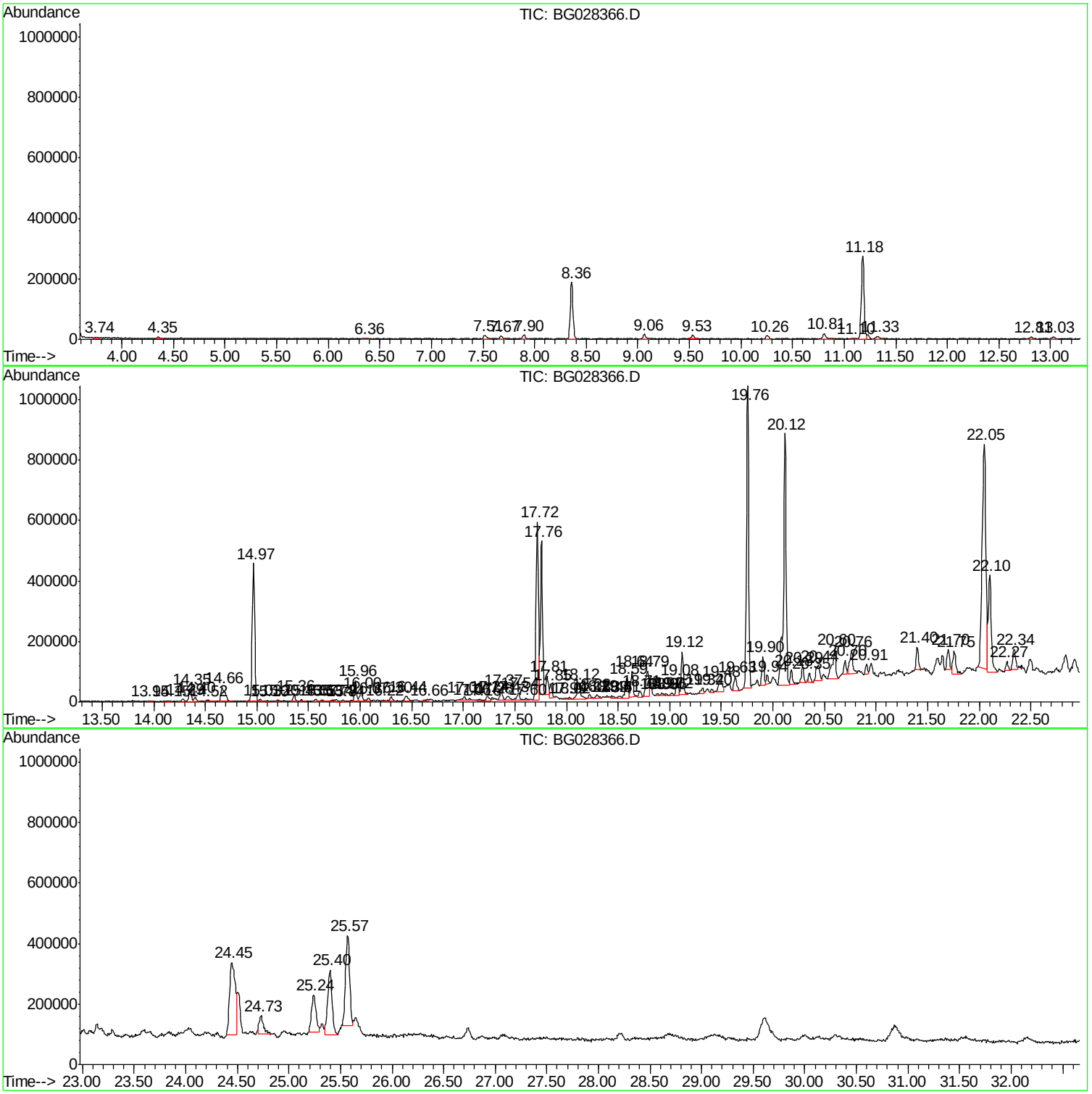
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028366.D
Acq On : 16 Aug 2017 5:56
Operator : SJ/JU
Sample : I4672-02 10X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AG4

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\BG081517\
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

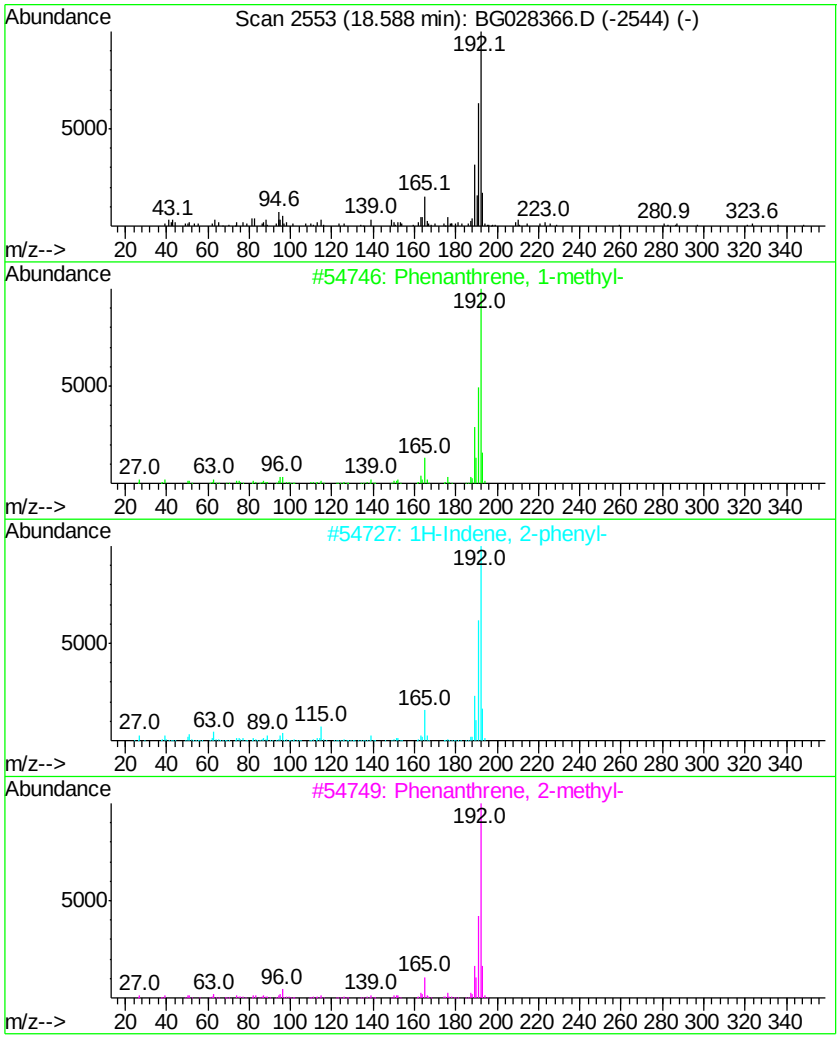
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

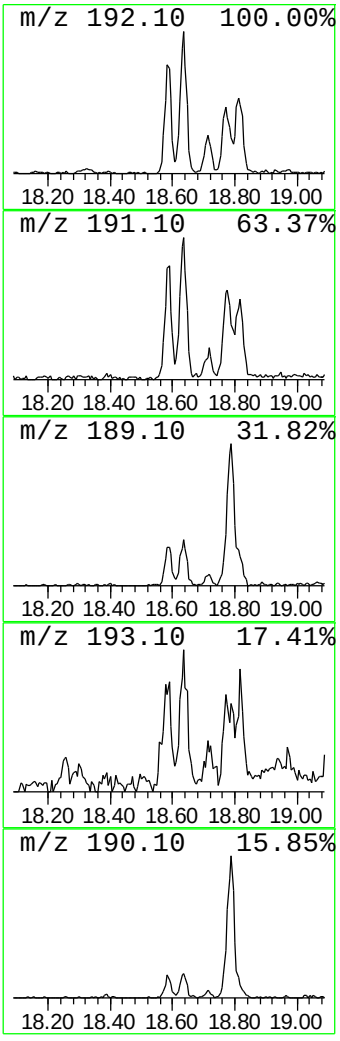
****

Peak Number 1 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	2.46 ng/ul	119373	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	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\BG081517\
Data File : BG028366.D
Acq On : 16 Aug 2017 5:56
Operator : SJ/JU
Sample : I4672-02 10X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AG4

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

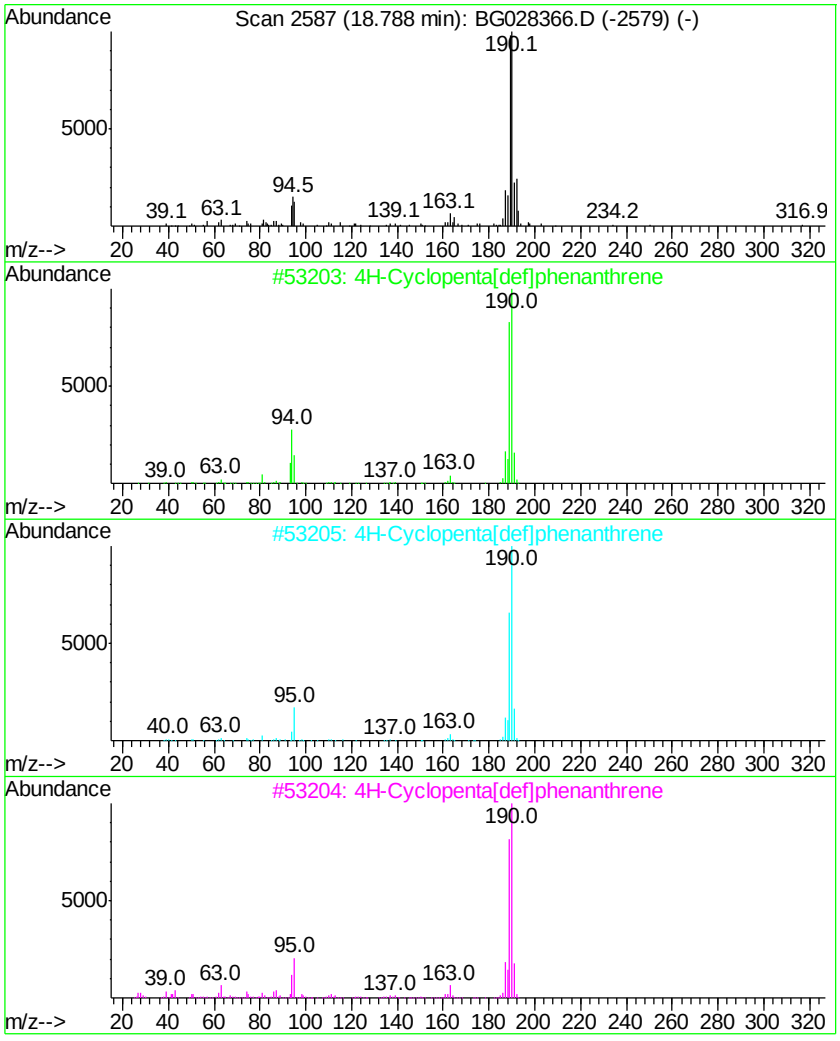
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

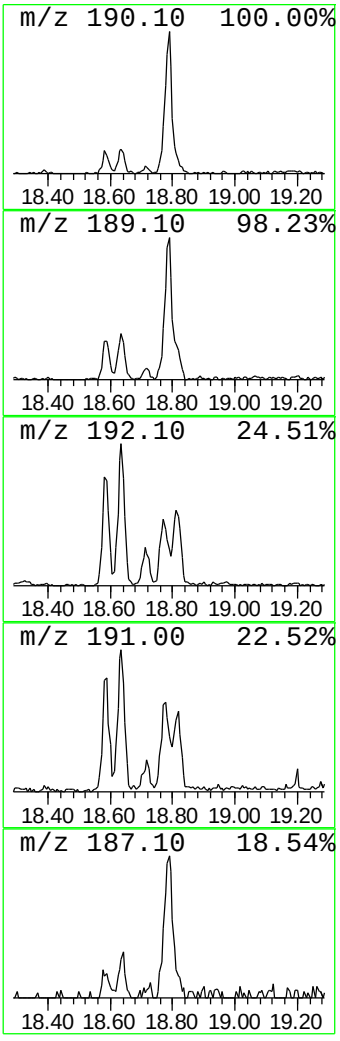
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	3.85 ng/ul	186454	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	80
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
5	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	45





Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
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Operator : SJ/JU
Sample : I4672-02 10X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AG4

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

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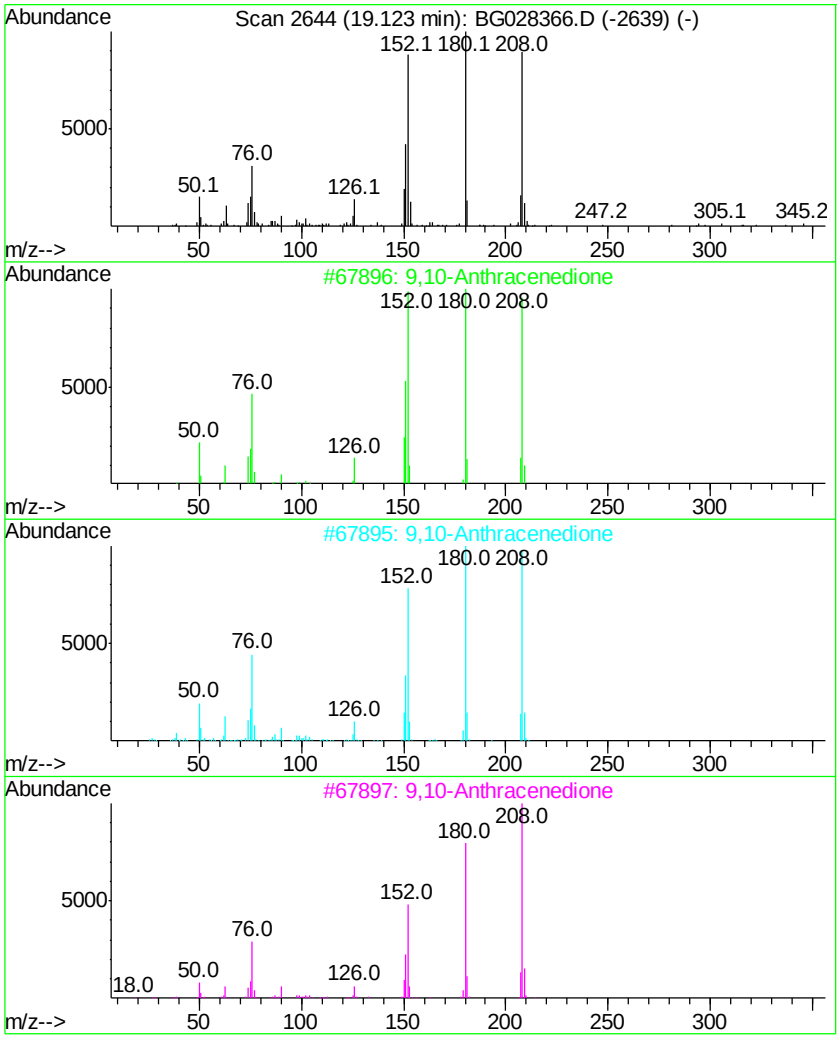
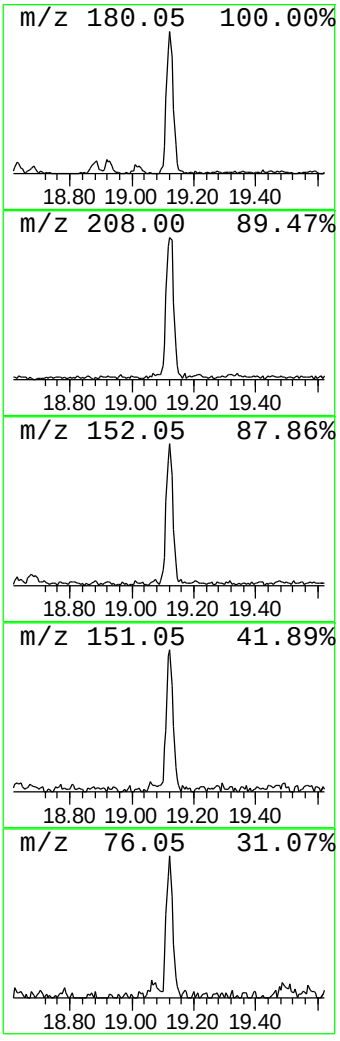
Peak Number 4 9,10-Anthracenedione Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	4.55 ng/ul	220470	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86





Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
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Operator : SJ/JU
Sample : I4672-02 10X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AG4

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

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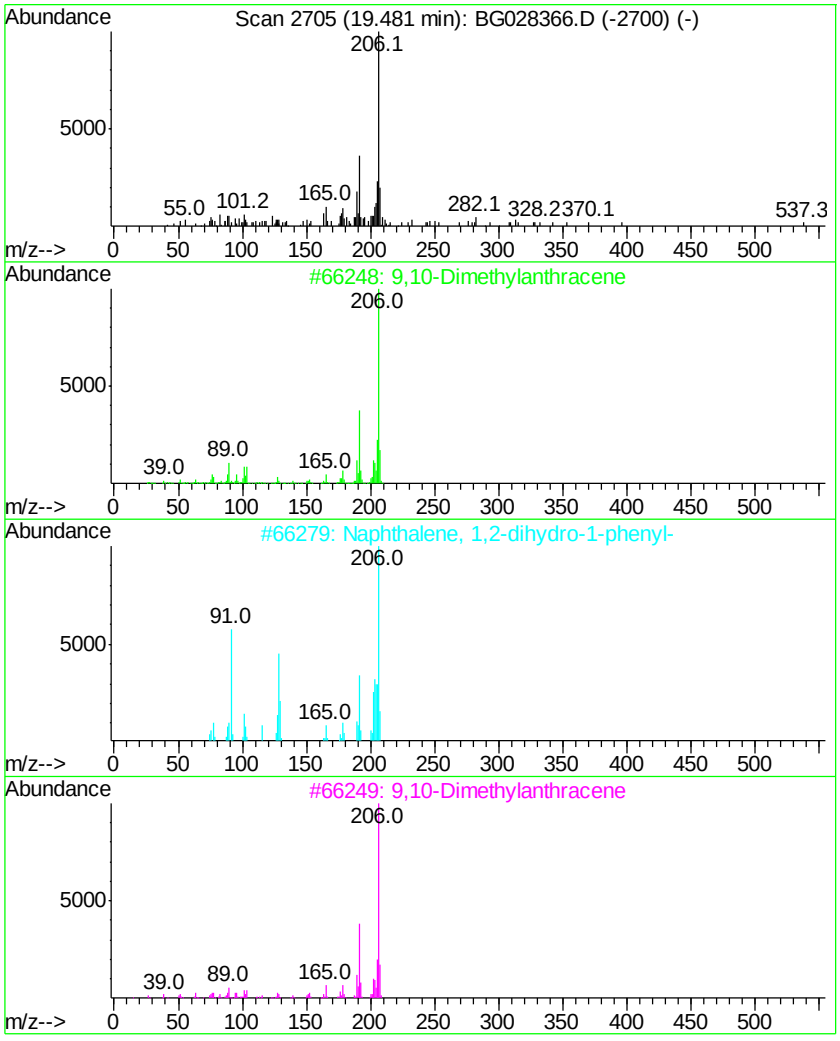
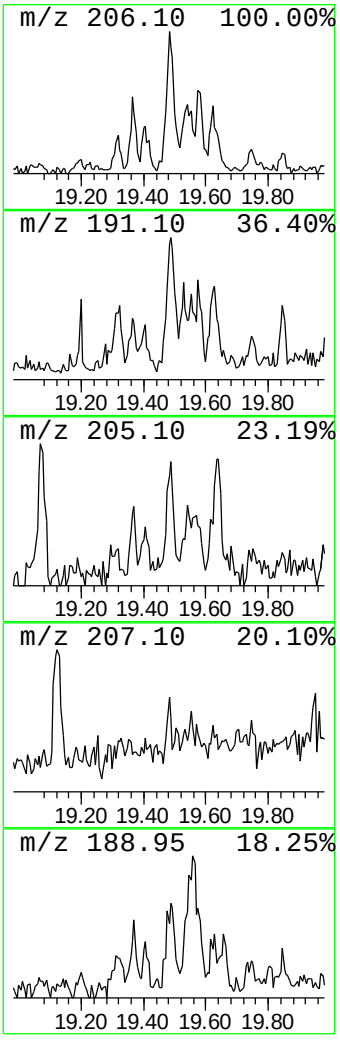
Peak Number 5 9,10-Dimethylanthracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.48	2.00 ng/ul	97119	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
2	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	86
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	81
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	81





Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
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Sample : I4672-02 10X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AG4

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

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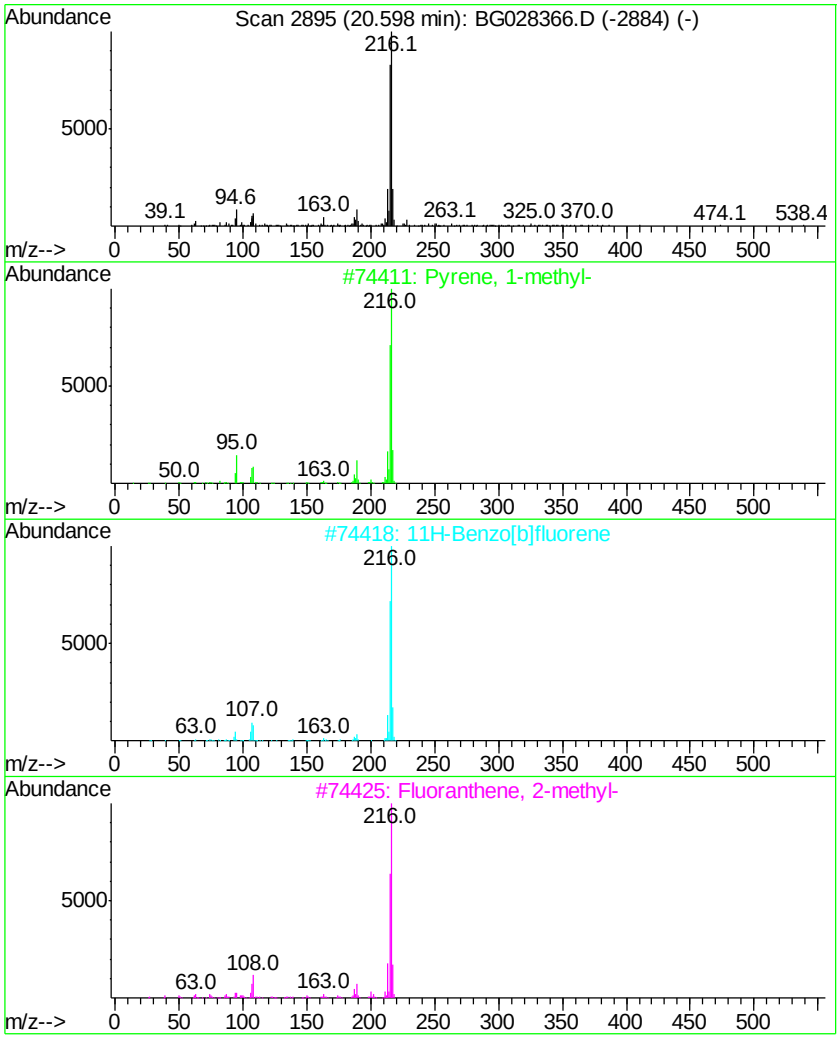
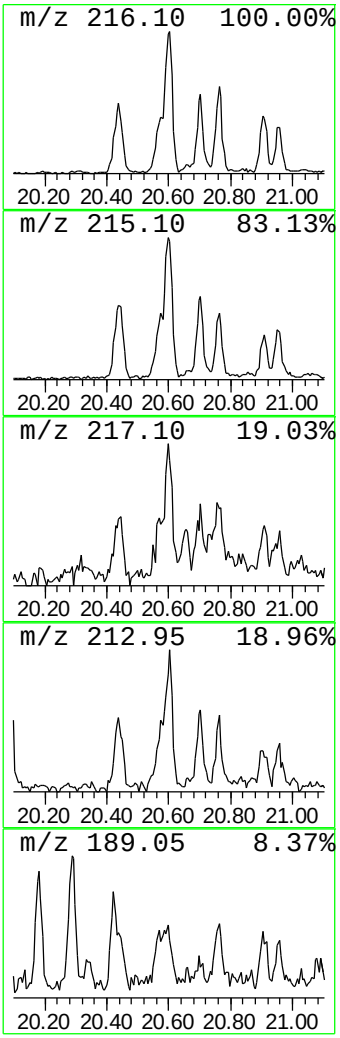
Peak Number 6 Pyrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.60	2.76 ng/ul	252942	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91





Data Path : Z:\HPCHEM1\BNA G\Data\BG081517\
Data File : BG028366.D
Acq On : 16 Aug 2017 5:56
Operator : SJ/JU
Sample : I4672-02 10X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AG4

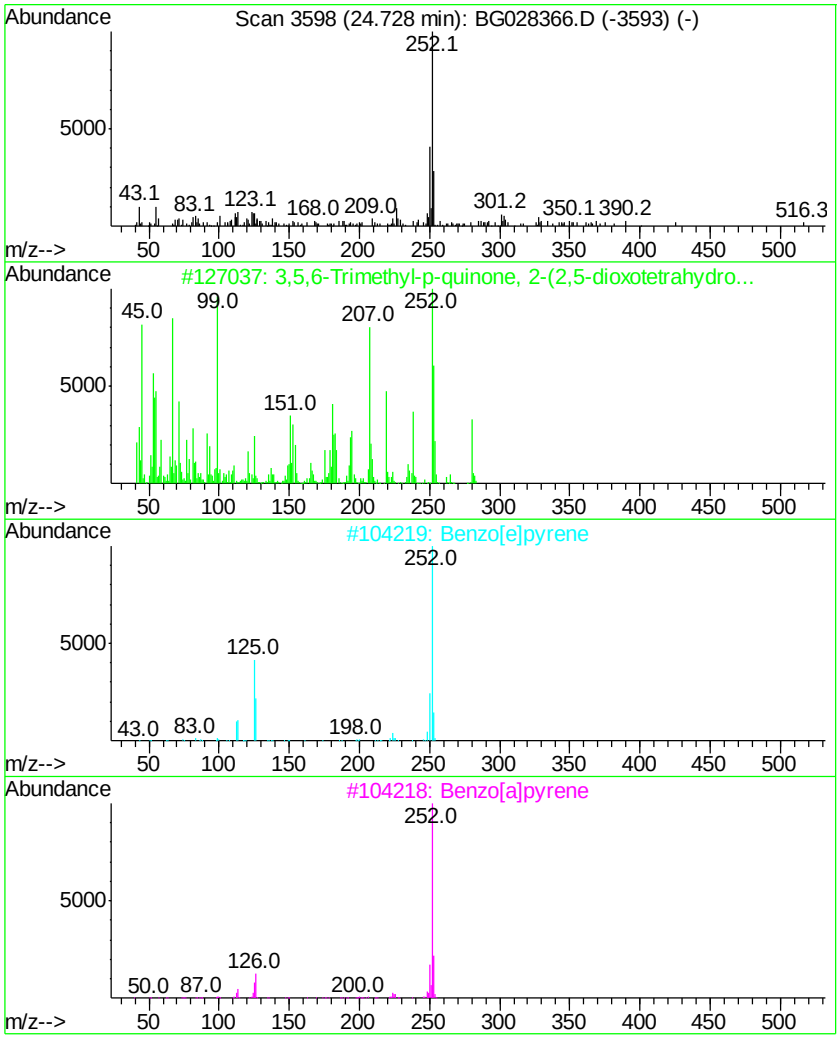
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

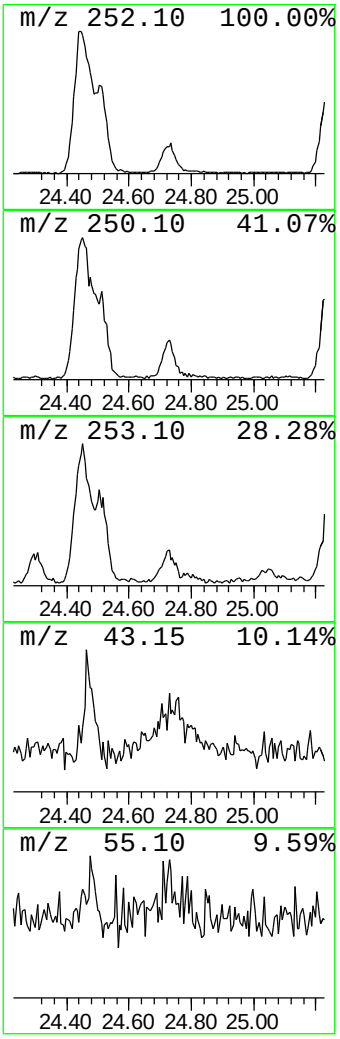
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 3,5,6-Trimethyl-p-quinone, ... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.73	4.47 ng/ul	188149	Perylene-d12	25.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5,6-Trimethyl-p-quinone, 2-(2,...	280	C13H12O5S	126848-01-9	52
2	Benzo[e]pyrene	252	C20H12	000192-97-2	50
3	Benzo[a]pyrene	252	C20H12	000050-32-8	50
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	50
5	Benzo[b]furan, 3-(4-methoxypheny...	252	C17H16O2	074228-98-1	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\Data\BG081517\
Data File : BG028366.D
Acq On : 16 Aug 2017 5:56
Operator : SJ/JU
Sample : I4672-02 10X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AG4

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
Phenanthrene, 1-m...	18.59	2.5	ng/ul	119373	4	17.72	968906	20.0
4H-Cyclopenta[def...	18.79	3.9	ng/ul	186454	4	17.72	968906	20.0
9,10-Anthracenedione	19.12	4.5	ng/ul	220470	4	17.72	968906	20.0
9,10-Dimethylanth...	19.48	2.0	ng/ul	97119	4	17.72	968906	20.0
Pyrene, 1-methyl-	20.60	2.8	ng/ul	252942	5	22.05	1835380	20.0
3,5,6-Trimethyl-p...	24.73	4.5	ng/ul	188149	6	25.57	842187	20.0