LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018322.D
Acq On : 8 Aug 2015 9:35
Operator : UM/TP
Sample : G3095-13DL 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01S4DL

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-BG080815.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	3.393	118	120	122	rBV2	3455	3541	0.41%	0.047%
2	4.903	373	377	384	rBV3	2220	4736	0.55%	0.063%
3	6.612	664	668	673	rVV2	15124	23672	2.74%	0.314%
4	6.747	686	691	695	rVV	9817	14420	1.67%	0.191%
5	6.935	718	723	731	rBV4	13600	24726	2.86%	0.328%
6	7.400	797	802	807	rVV	72548	113160	13.09%	1.502%
7	8.146	923	929	934	rBV4	18311	29795	3.45%	0.395%
8	8.563	993	1000	1006	rBV3	15073	27393	3.17%	0.364%
9	9.280	1117	1122	1128	rBV4	16315	23759	2.75%	0.315%
10	9.832	1209	1216	1223	rBV4	19079	33414	3.87%	0.443%
11	10.185	1269	1276	1281	rBV	109211	169576	19.62%	2.251%
12	10.237	1281	1285	1290	rVB2	9434	13097	1.51%	0.174%
13	10.337	1298	1302	1306	rBV3	11932	16688	1.93%	0.221%
14	11.871	1557	1563	1567	rVV2	4423	5473	0.63%	0.073%
15	12.100	1601	1602	1608	rVB	2989	3939	0.46%	0.052%
16	12.911	1738	1740	1746	rVB	2007	2877	0.33%	0.038%
17	13.340	1812	1813	1816	rVV	5821	5259	0.61%	0.070%
18	13.404	1819	1824	1828	rVV	3494	5812	0.67%	0.077%
19	13.504	1836	1841	1846	rVV2	41806	57540	6.66%	0.764%
20	13.557	1846	1850	1854	rVB2	12736	17222	1.99%	0.229%
21	13.775	1882	1887	1892	rBV	38822	57365	6.64%	0.761%
22	13.810	1892	1893	1899	rVB	4971	5480	0.63%	0.073%
23	14.092	1935	1941	1947	rVV2	151819	232573	26.90%	3.087%
24	14.151	1947	1951	1956	rVV	24161	31268	3.62%	0.415%
25	14.497	2003	2010	2014	rVB	10481	15869	1.84%	0.211%
26	14.973	2085	2091	2095	rBV2	2941	5859	0.68%	0.078%
27	15.091	2106	2111	2117	rVV	51313	71804	8.31%	0.953%
28	15.149	2117	2121	2127	rVB2	23350	32819	3.80%	0.436%
29	15.243	2132	2137	2138	rBV2	3005	3099	0.36%	0.041%
30	15.308	2146	2148	2150	rBV	4641	4477	0.52%	0.059%
31	15.449	2168	2172	2175	rBV3	5506	6066	0.70%	0.081%
32	15.590	2190	2196	2198	rBV	5339	7786	0.90%	0.103%
33	15.702	2211	2215	2219	rVB4	2915	4654	0.54%	0.062%
34	15.831	2233	2237	2243	rBV4	7880	14405	1.67%	0.191%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018322.D
Acq On : 8 Aug 2015 9:35
Operator : UM/TP
Sample : G3095-13DL 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01S4DL

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-BG080815.M
Title : SVOA CALIBRATION

35	15.943	2252	2256	2257	rBV	2109	3009	0.35%	0.040%
36	16.125	2285	2287	2290	rBV	3027	2972	0.34%	0.039%
37	16.395	2331	2333	2336	rVV3	4757	5035	0.58%	0.067%
38	16.430	2336	2339	2342	rVB2	3834	5026	0.58%	0.067%
39	16.507	2349	2352	2356	rBV2	8090	10110	1.17%	0.134%
40	16.589	2362	2366	2367	rBV2	6160	7976	0.92%	0.106%
41	16.671	2376	2380	2389	rVB	15517	24434	2.83%	0.324%
42	16.853	2405	2411	2414	rVV2	194527	276724	32.01%	3.673%
43	16.894	2414	2418	2423	rVV	317867	403640	46.69%	5.357%
44	16.947	2423	2427	2430	rVV2	55682	75648	8.75%	1.004%
45	16.983	2430	2433	2438	rVB	69163	86666	10.02%	1.150%
46	17.047	2440	2444	2445	rBV2	6541	7810	0.90%	0.104%
47	17.265	2477	2481	2485	rBV2	20069	24434	2.83%	0.324%
48	17.300	2485	2487	2490	rVB3	4446	2894	0.33%	0.038%
49	17.376	2495	2500	2503	rVB6	11665	16487	1.91%	0.219%
50	17.435	2508	2510	2512	rBV2	5030	4300	0.50%	0.057%
51	17.576	2531	2534	2536	rVV3	5769	5238	0.61%	0.070%
52	17.629	2540	2543	2544	rBV3	4175	5283	0.61%	0.070%
53	17.729	2556	2560	2564	rBV2	33429	43420	5.02%	0.576%
54	17.776	2564	2568	2574	rVB2	47866	71133	8.23%	0.944%
55	17.858	2574	2582	2588	rBV2	23221	43027	4.98%	0.571%
56	17.923	2588	2593	2597	rVV3	74357	117381	13.58%	1.558%
57	17.964	2597	2600	2604	rVB	22418	27910	3.23%	0.370%
58	18.034	2610	2612	2613	rBV2	4426	3448	0.40%	0.046%
59	18.116	2624	2626	2627	rBV2	3952	3414	0.39%	0.045%
60	18.199	2638	2640	2643	rBV4	4921	5824	0.67%	0.077%
61	18.240	2643	2647	2650	rVV	30690	41805	4.84%	0.555%
62	18.281	2651	2654	2659	rVB6	17418	27942	3.23%	0.371%
63	18.363	2666	2668	2671	rBV4	5960	5033	0.58%	0.067%
64	18.493	2686	2690	2693	rVB5	9856	11620	1.34%	0.154%
65	18.581	2702	2705	2713	rVB8	8426	12687	1.47%	0.168%
66	18.657	2713	2718	2724	rBV4	16634	35882	4.15%	0.476%
67	18.704	2724	2726	2727	rBV2	8045	4814	0.56%	0.064%
68	18.810	2739	2744	2746	rBV4	18963	25437	2.94%	0.338%
69	18.933	2759	2765	2773	rVB	675882	864499	100.00%	11.474%
70	18.998	2773	2776	2778	rBV3	8551	11061	1.28%	0.147%
71	19.074	2787	2789	2794	rVB5	9873	7596	0.88%	0.101%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018322.D
Acq On : 8 Aug 2015 9:35
Operator : UM/TP
Sample : G3095-13DL 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01S4DL

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-BG080815.M
Title : SVOA CALIBRATION

72	19.209	2810	2812	2813	rVB2	6389	3605	0.42%	0.048%
73	19.268	2816	2822	2823	rBV2	153476	201429	23.30%	2.673%
74	19.297	2823	2827	2835	rVV	522355	704243	81.46%	9.347%
75	19.368	2835	2839	2845	rVB3	22175	37406	4.33%	0.496%
76	19.474	2852	2857	2863	rBV	34169	56049	6.48%	0.744%
77	19.538	2865	2868	2872	rVB	27939	36422	4.21%	0.483%
78	19.626	2878	2883	2889	rVB5	24070	54969	6.36%	0.730%
79	19.797	2908	2912	2916	rVB	91564	116427	13.47%	1.545%
80	19.897	2925	2929	2933	rVB	84068	100523	11.63%	1.334%
81	19.956	2933	2939	2942	rBV3	42345	75370	8.72%	1.000%
82	19.991	2942	2945	2950	rVB2	26371	36572	4.23%	0.485%
83	20.091	2960	2962	2966	rVB2	19180	22055	2.55%	0.293%
84	20.138	2967	2970	2976	rVB4	22577	42896	4.96%	0.569%
85	20.514	3030	3034	3036	rBV4	15509	25007	2.89%	0.332%
86	20.543	3037	3039	3046	rVB2	24548	42233	4.89%	0.561%
87	20.708	3063	3067	3070	rBV	53079	65836	7.62%	0.874%
88	20.749	3071	3074	3077	rVV	41754	42711	4.94%	0.567%
89	20.802	3078	3083	3086	rVB3	31766	57454	6.65%	0.763%
90	21.054	3121	3126	3131	rBV2	312747	585205	67.69%	7.767%
91	21.101	3131	3134	3142	rVB	257019	325872	37.69%	4.325%
92	21.219	3150	3154	3159	rBV	66239	89927	10.40%	1.194%
93	21.383	3177	3182	3185	rBV5	29270	55318	6.40%	0.734%
94	22.576	3380	3385	3390	rBV	192263	393014	45.46%	5.216%
95	22.740	3410	3413	3419	rVB2	40030	62095	7.18%	0.824%
96	23.034	3458	3463	3468	rBV	99394	163284	18.89%	2.167%
97	23.128	3474	3479	3487	rVB	178201	290759	33.63%	3.859%
98	23.222	3489	3495	3498	rBV	83575	148040	17.12%	1.965%
99	25.384	3855	3863	3873	rVB	103973	273668	31.66%	3.632%
100	28.451	4383	4385	4386	rBV2	9540	4665	0.54%	0.062%

Sum of corrected areas: 7534296

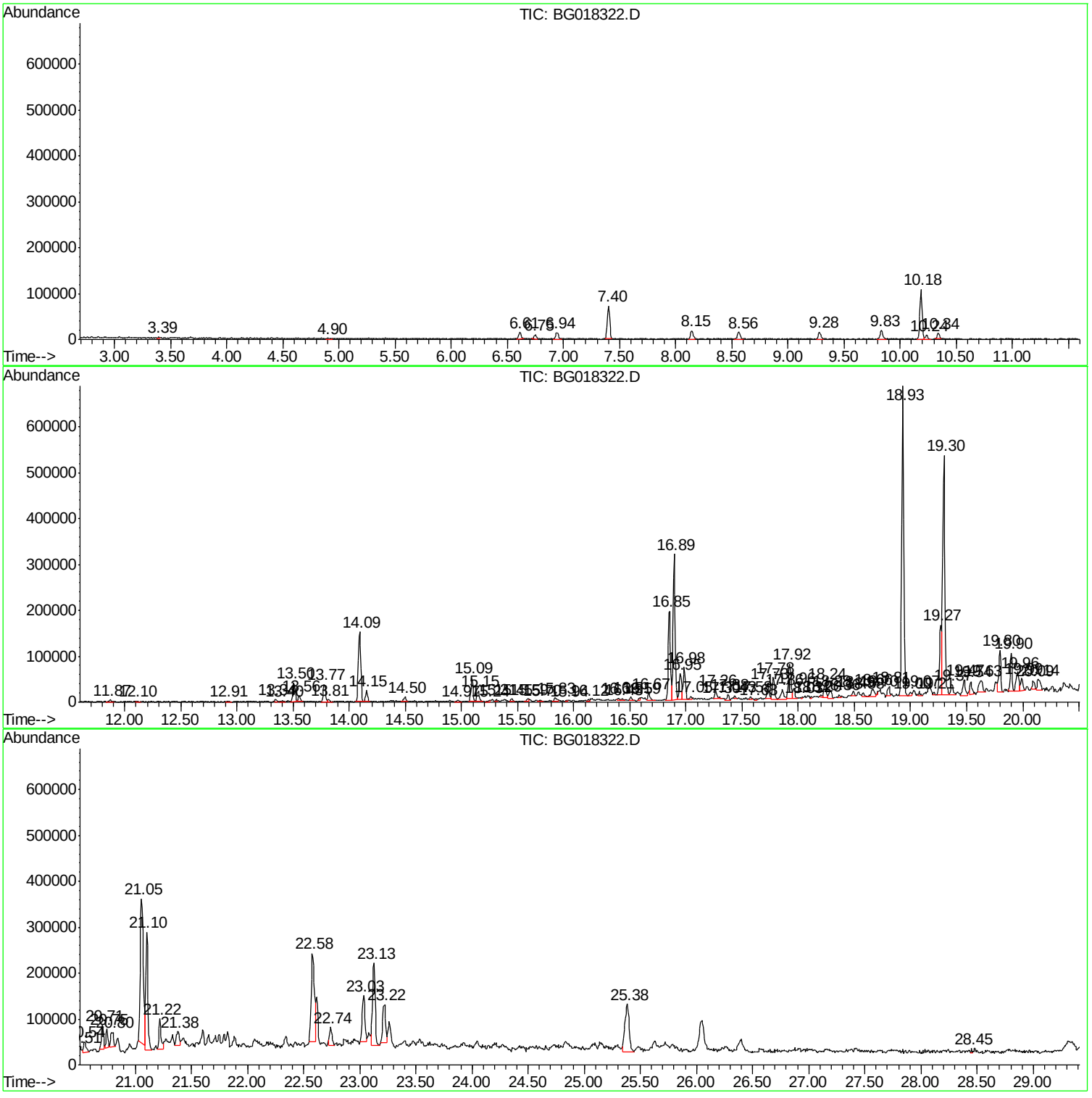
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018322.D
Acq On : 8 Aug 2015 9:35
Operator : UM/TP
Sample : G3095-13DL 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01S4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018322.D
Acq On : 8 Aug 2015 9:35
Operator : UM/TP
Sample : G3095-13DL 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01S4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION

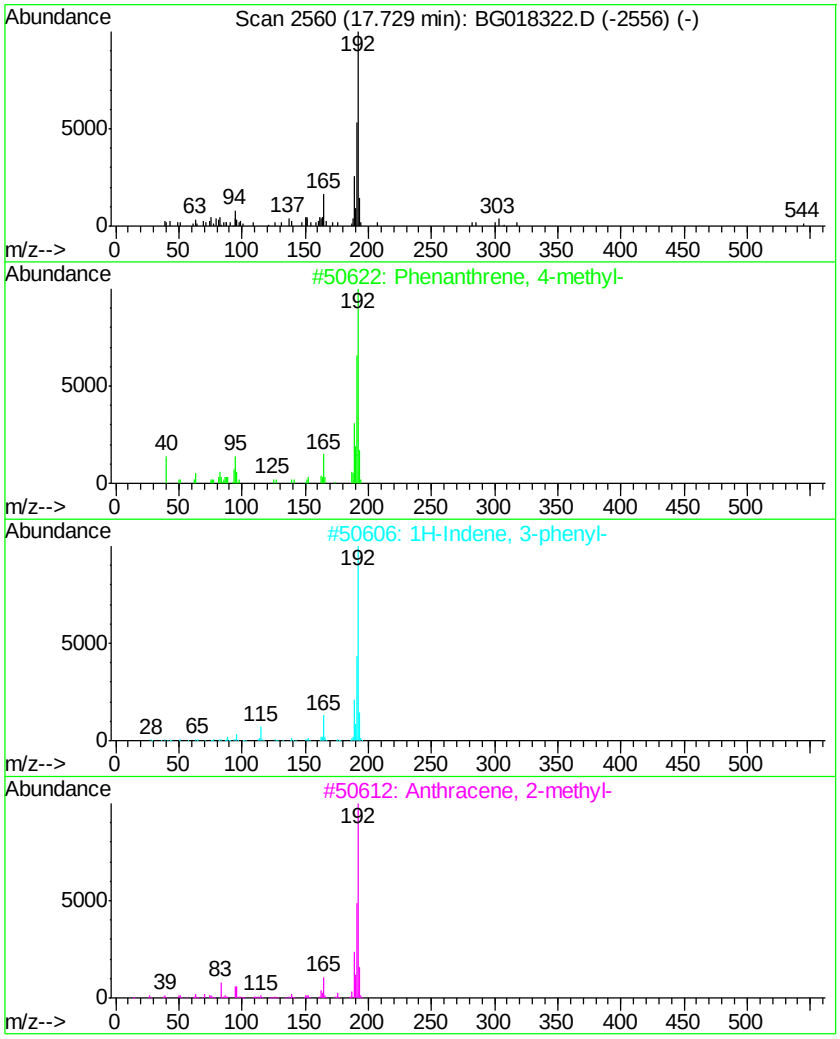
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

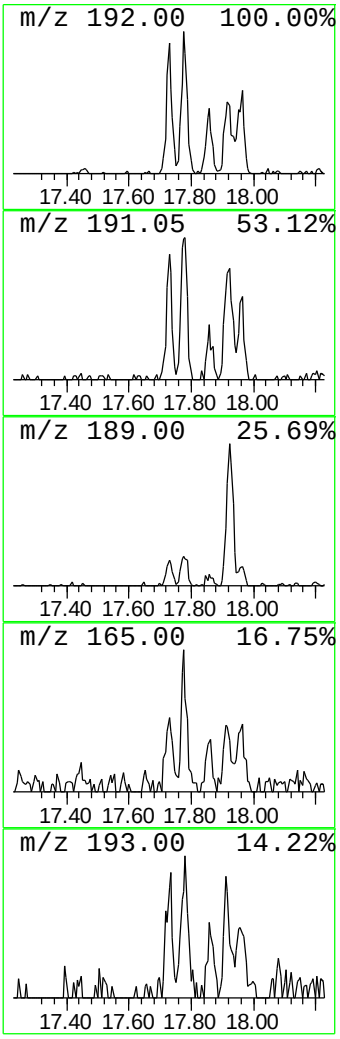
****

Peak Number 1 Phenanthrene, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.73	3.14 ng/ul	43420	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	89
2	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	81
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018322.D
Acq On : 8 Aug 2015 9:35
Operator : UM/TP
Sample : G3095-13DL 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01S4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION

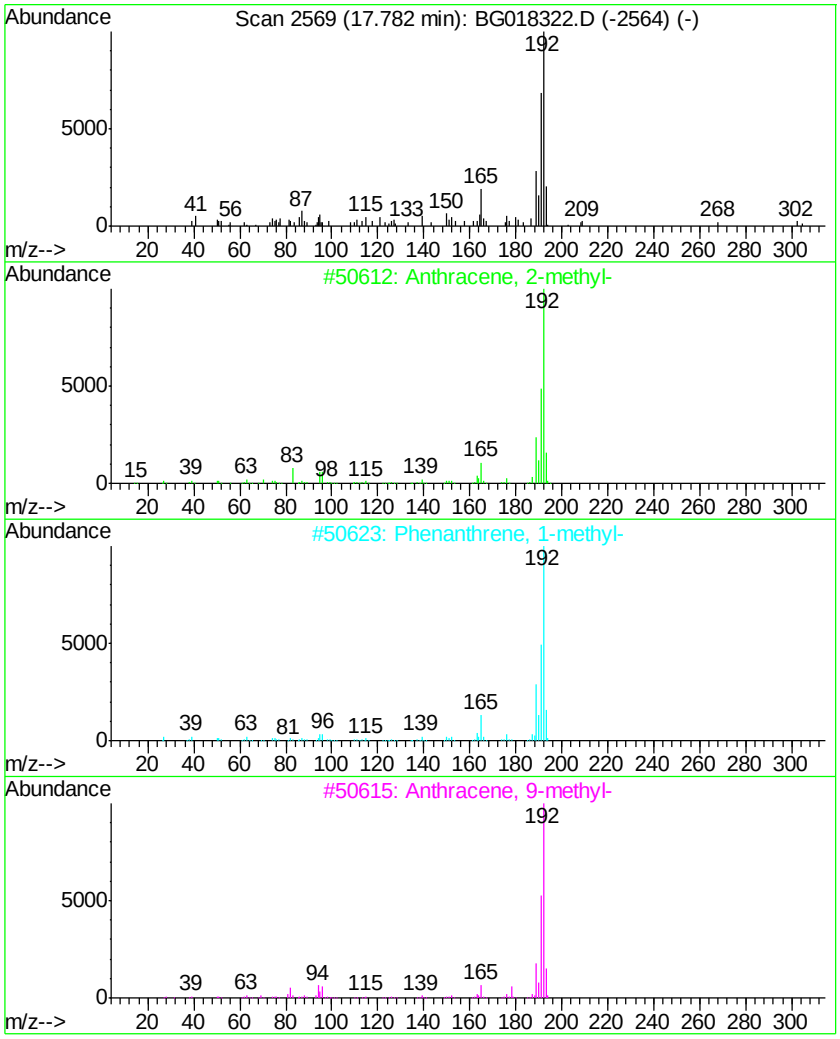
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

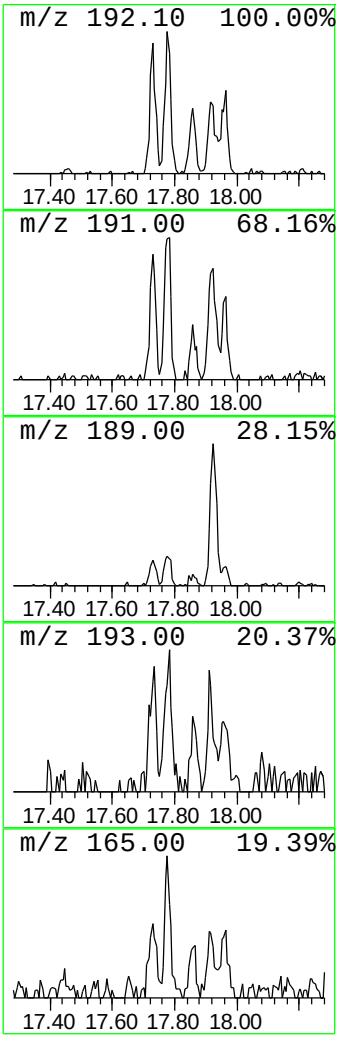
****

Peak Number 2 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.78	5.14 ng/ul	71133	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018322.D
Acq On : 8 Aug 2015 9:35
Operator : UM/TP
Sample : G3095-13DL 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01S4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION

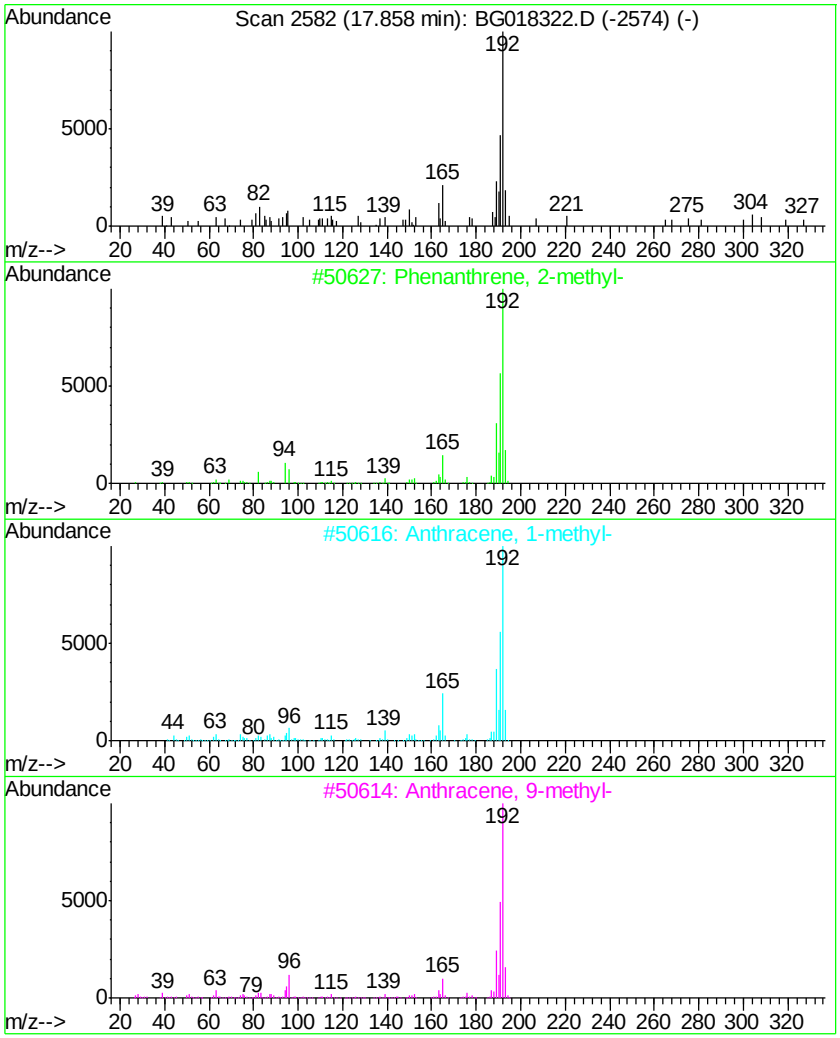
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

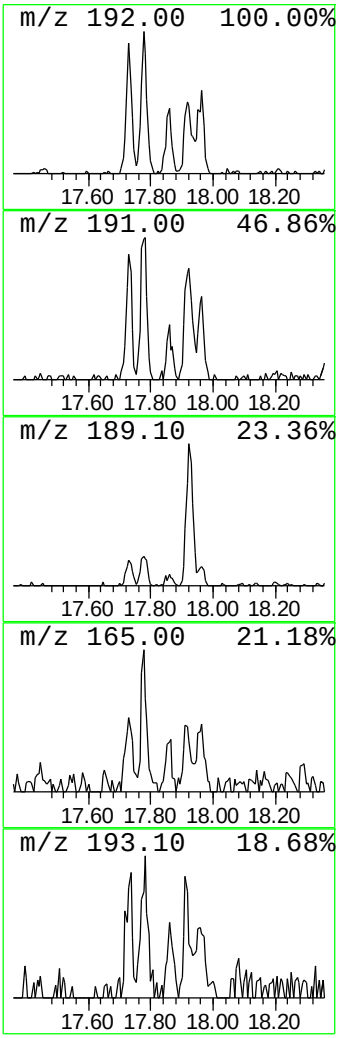
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	3.11 ng/ul	43027	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	70
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	70
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	70
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	70





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018322.D
Acq On : 8 Aug 2015 9:35
Operator : UM/TP
Sample : G3095-13DL 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01S4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION

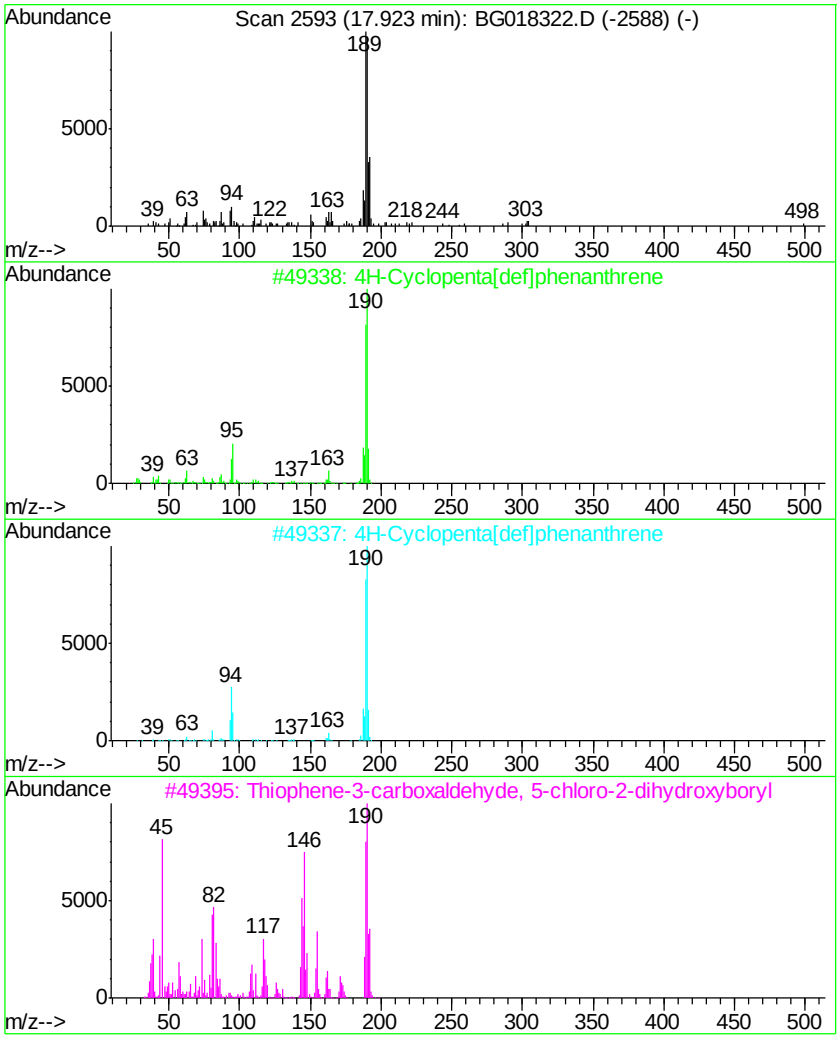
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

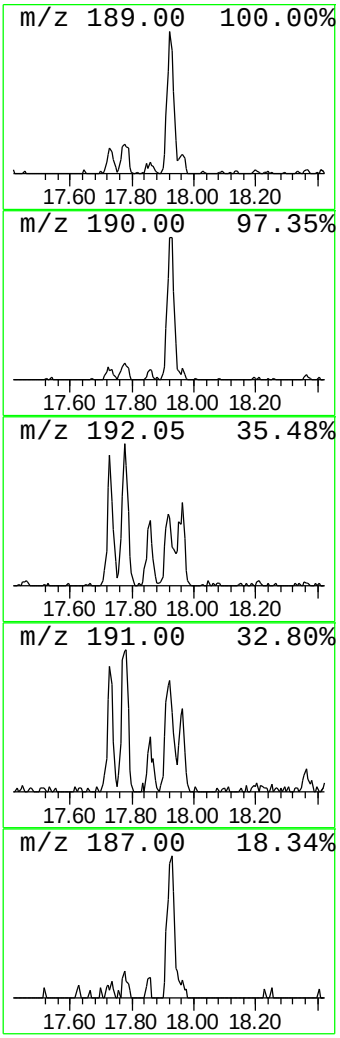
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	8.48 ng/ul	117381	Phenanthrene-d10	16.85

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	72
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	58
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
5	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018322.D
Acq On : 8 Aug 2015 9:35
Operator : UM/TP
Sample : G3095-13DL 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01S4DL

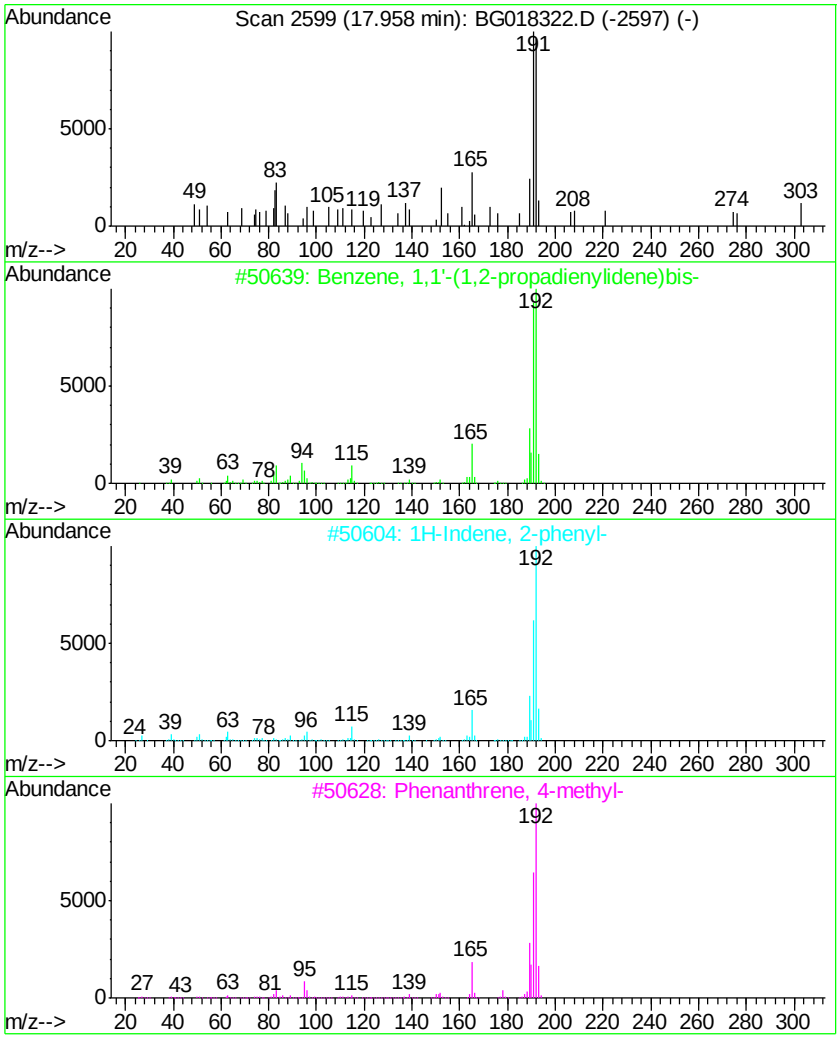
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION

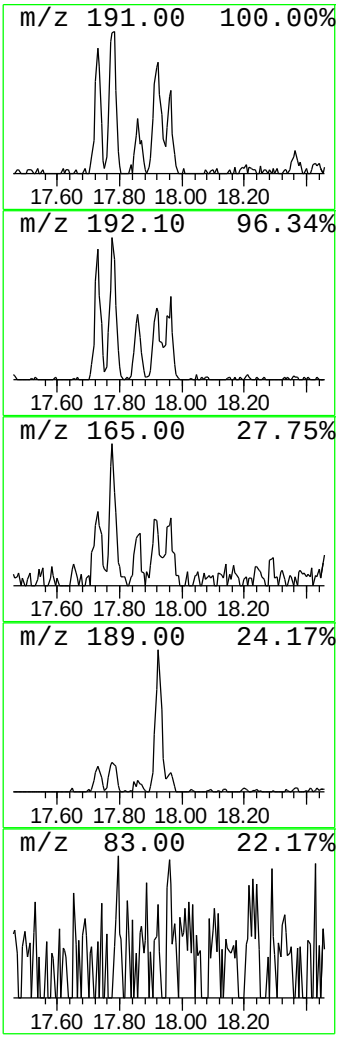
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1,1'-(1,2-propadie... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	2.02 ng/ul	27910	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	64
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	64
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	64
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	50
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018322.D
Acq On : 8 Aug 2015 9:35
Operator : UM/TP
Sample : G3095-13DL 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01S4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION

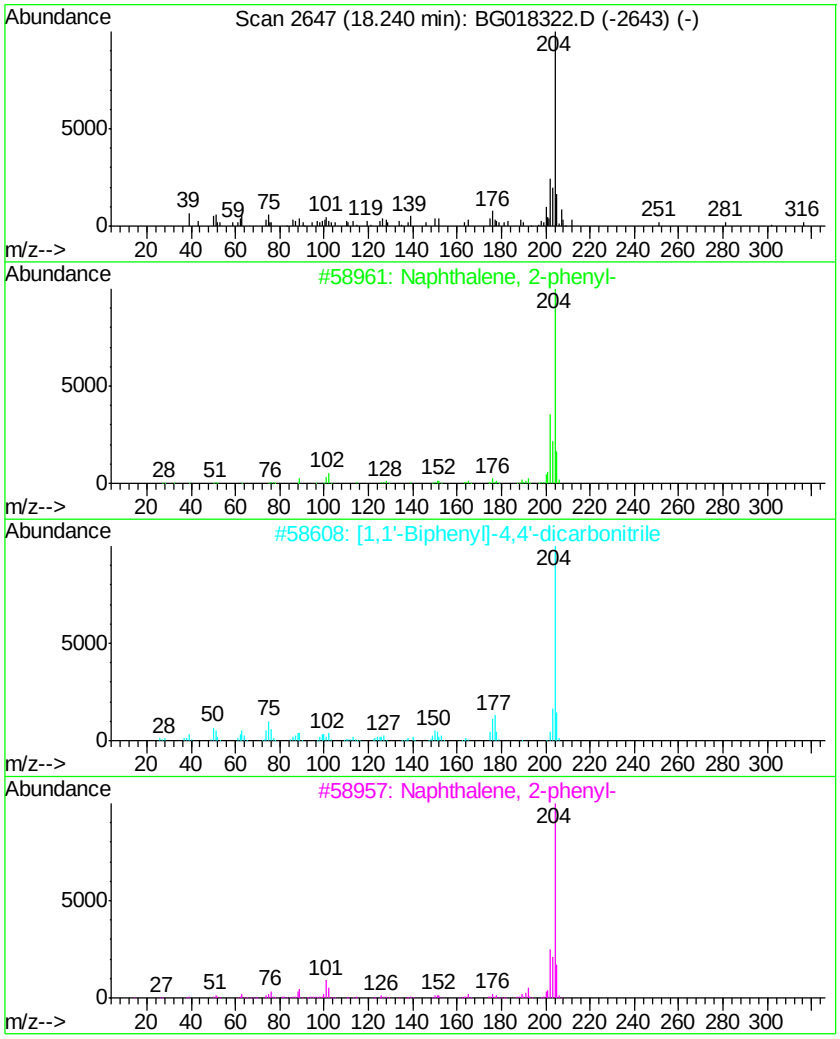
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

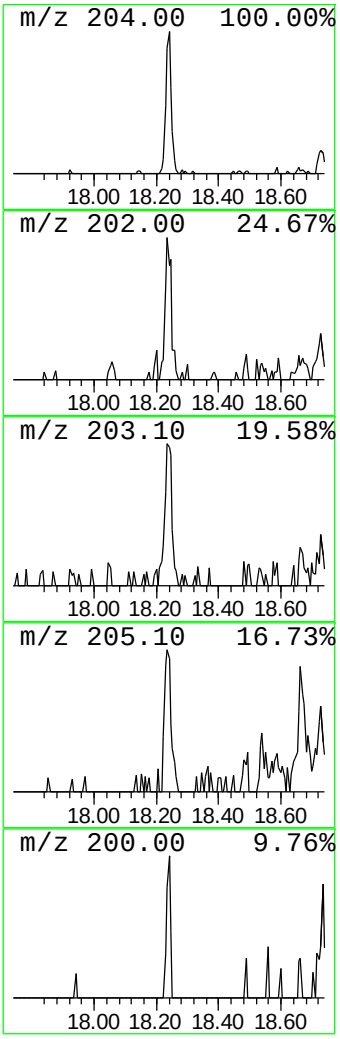
****

Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	3.02 ng/ul	41805	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	68
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	59
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	58





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018322.D
Acq On : 8 Aug 2015 9:35
Operator : UM/TP
Sample : G3095-13DL 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01S4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION

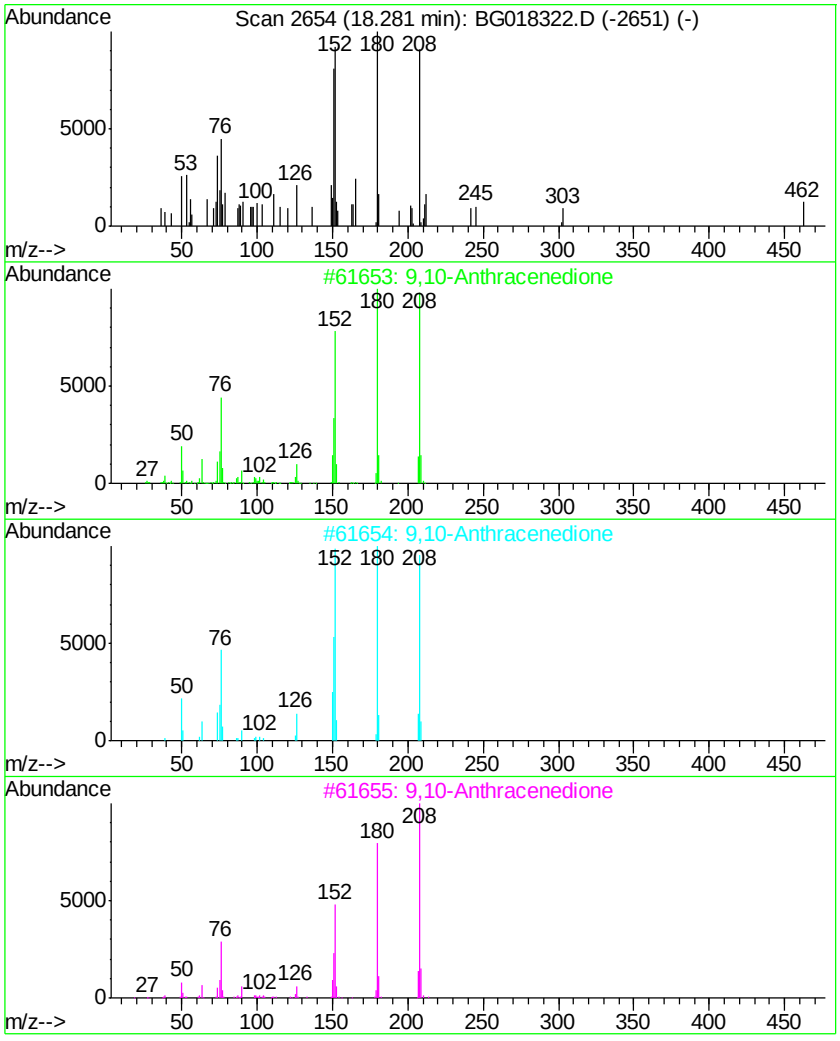
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

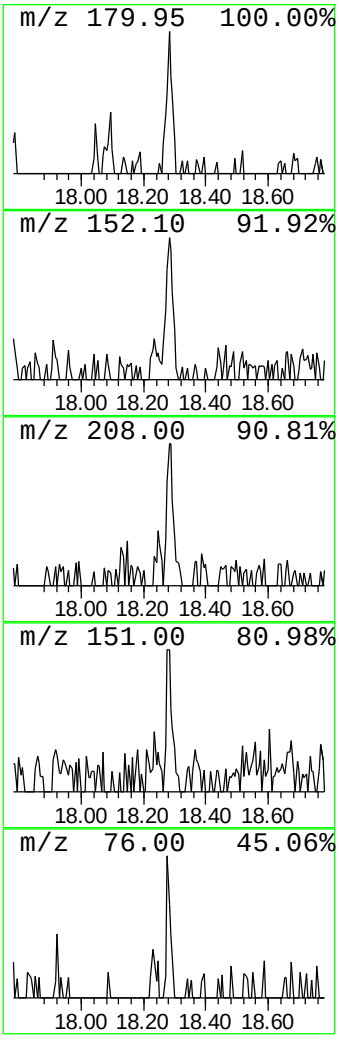
****

Peak Number 7 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	2.02 ng/ul	27942	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	86
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	76
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	58
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	55
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	55





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018322.D
Acq On : 8 Aug 2015 9:35
Operator : UM/TP
Sample : G3095-13DL 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01S4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION

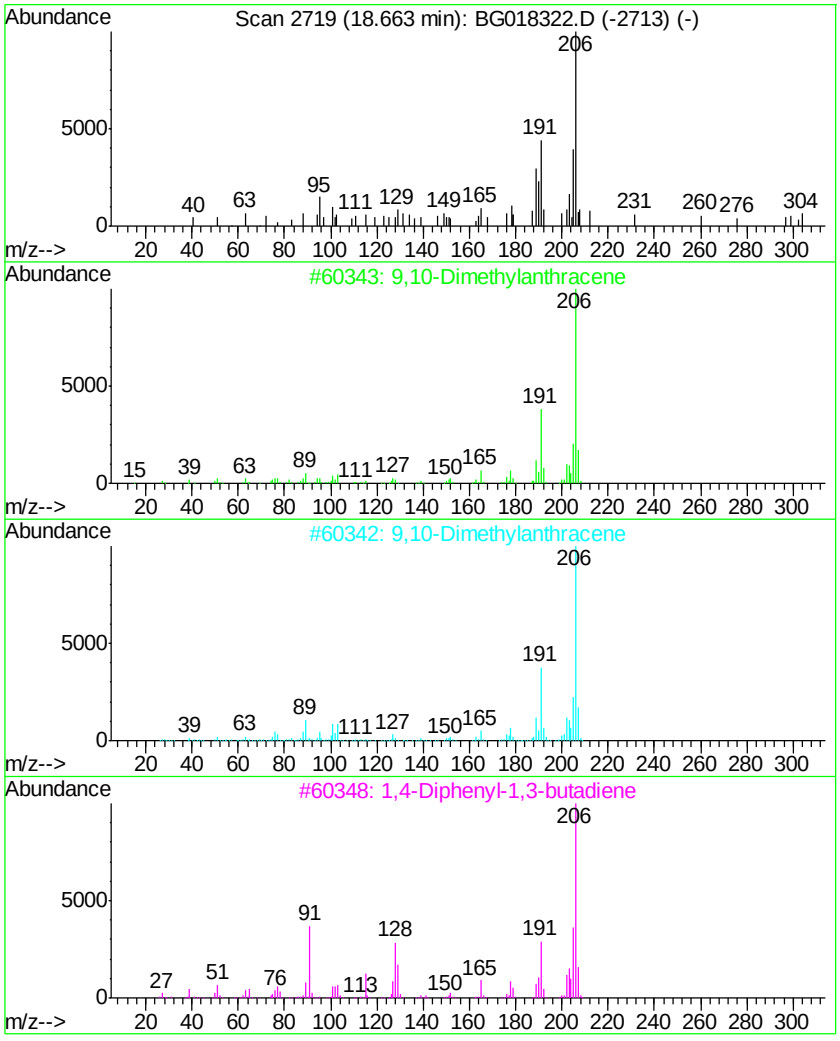
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

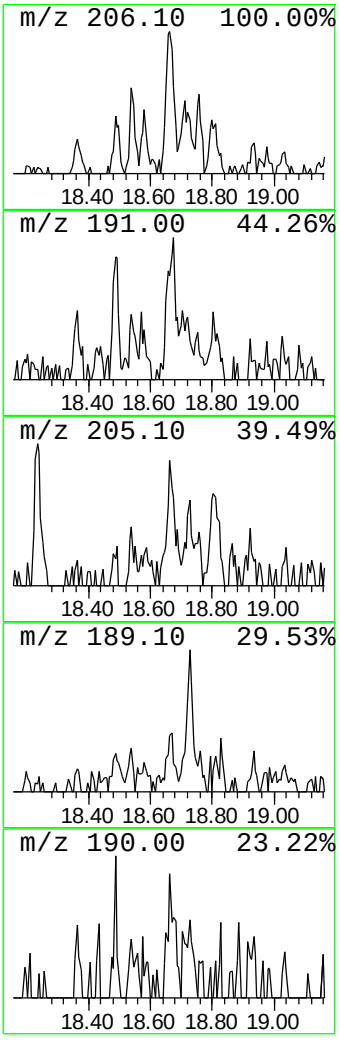
****

Peak Number 8 9,10-Dimethylanthracene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	2.59 ng/ul	35882	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	80
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	80
3	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	70
4	[1]Benzothieno[2,3-d]pyrimidin-4...	206	C10H10N2OS	014346-24-8	68
5	2H,6H-Pyrido[2,1-b]-1,3-thiazine...	206	C10H10N2OS	1000277-29-6	68





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018322.D
Acq On : 8 Aug 2015 9:35
Operator : UM/TP
Sample : G3095-13DL 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01S4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION

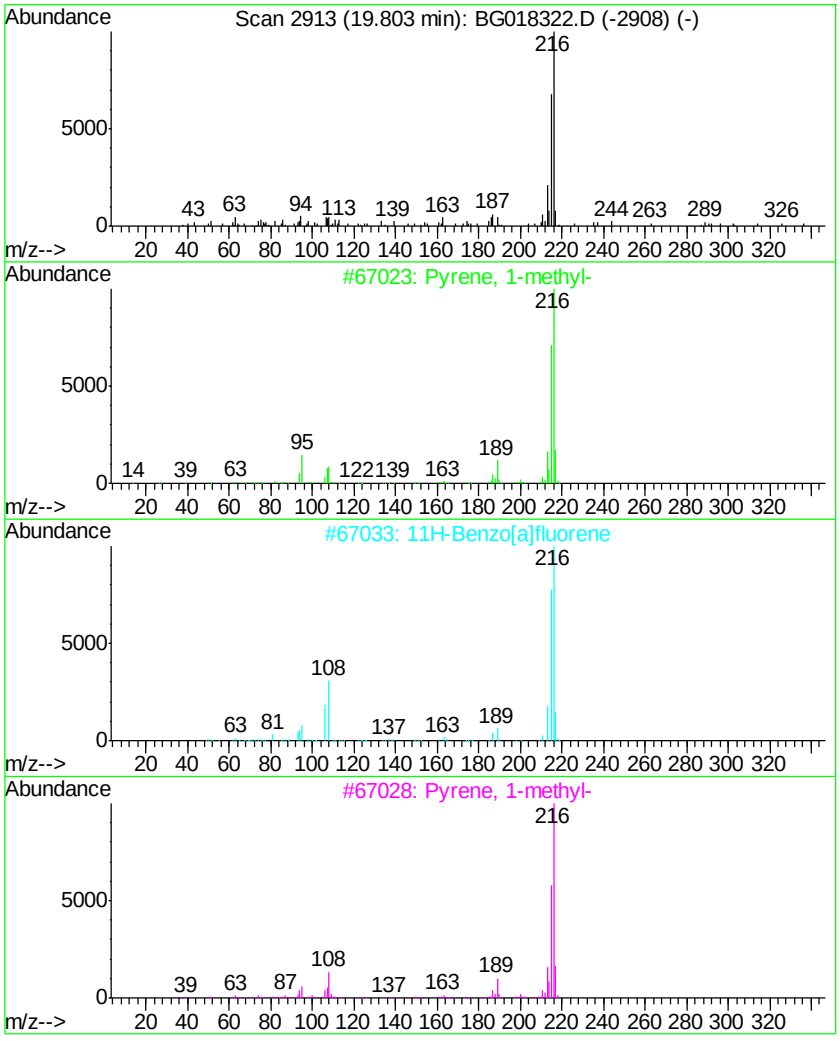
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

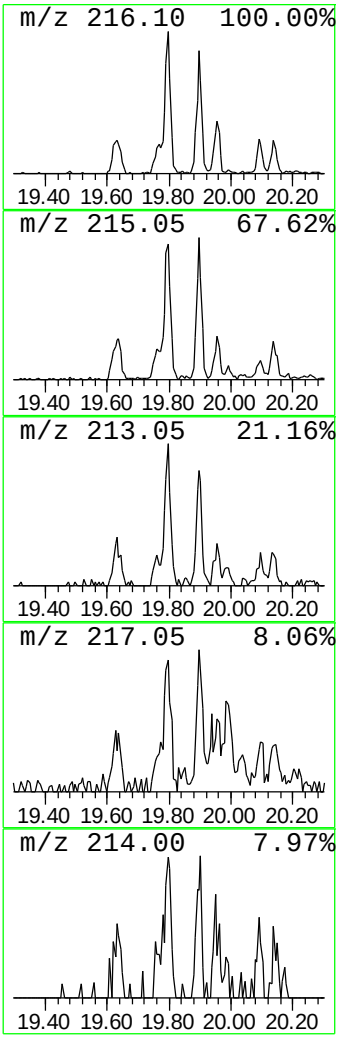
****

Peak Number 9 Pyrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	3.98 ng/ul	116427	Chrysene-d12	21.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	74
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	72
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018322.D
Acq On : 8 Aug 2015 9:35
Operator : UM/TP
Sample : G3095-13DL 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01S4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION

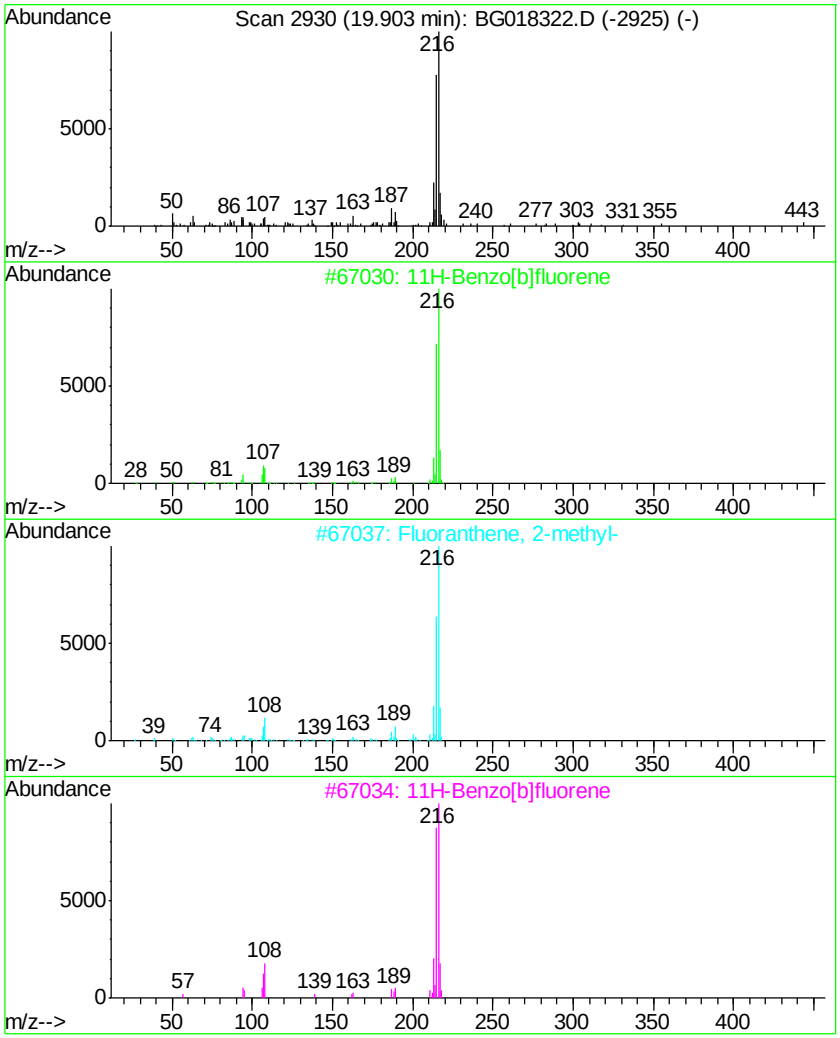
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

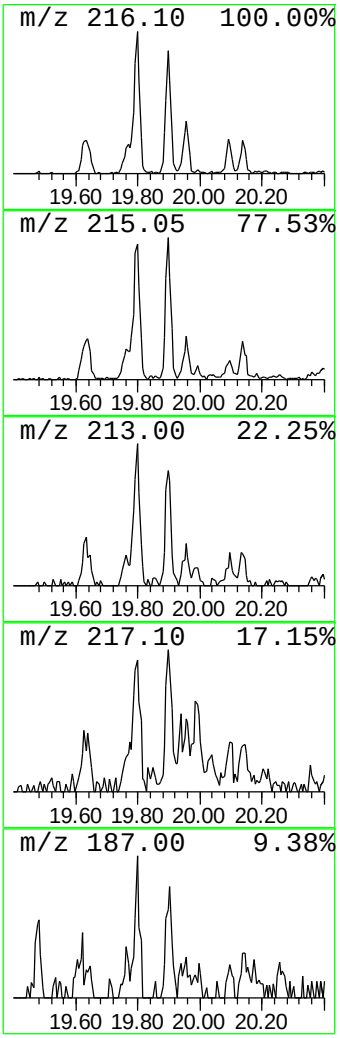
****

Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.90	3.44 ng/ul	100523	Chrysene-d12	21.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018322.D
Acq On : 8 Aug 2015 9:35
Operator : UM/TP
Sample : G3095-13DL 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01S4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION

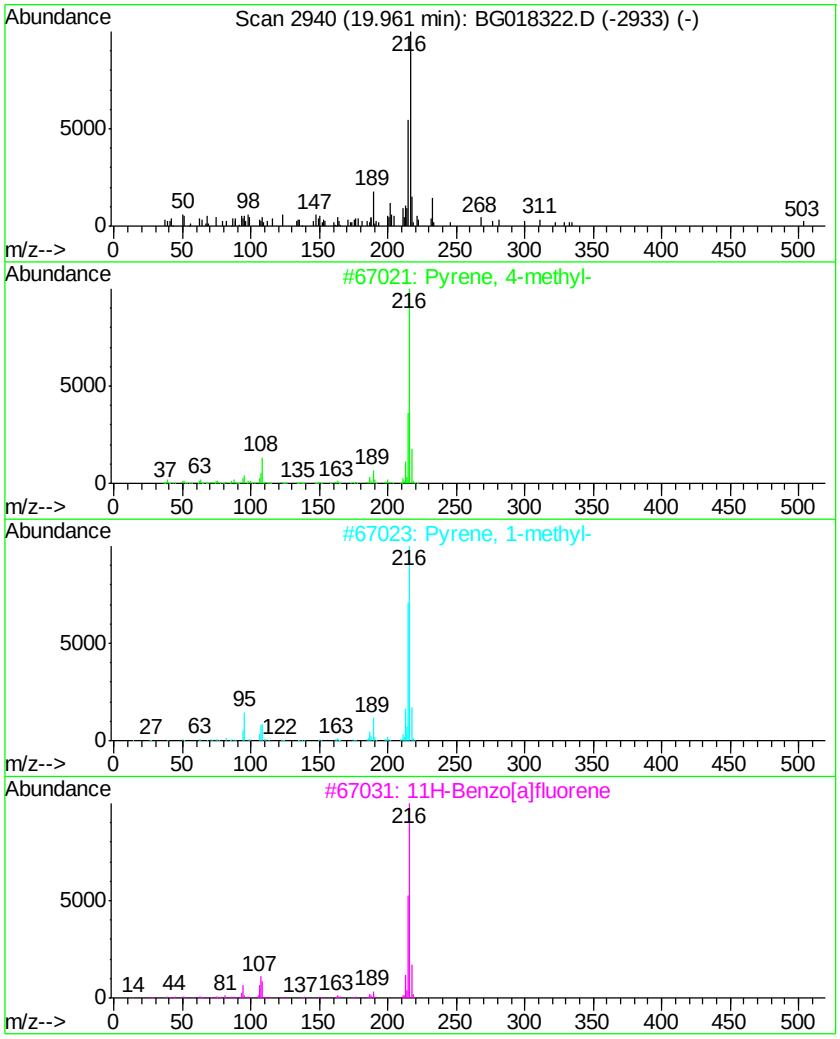
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

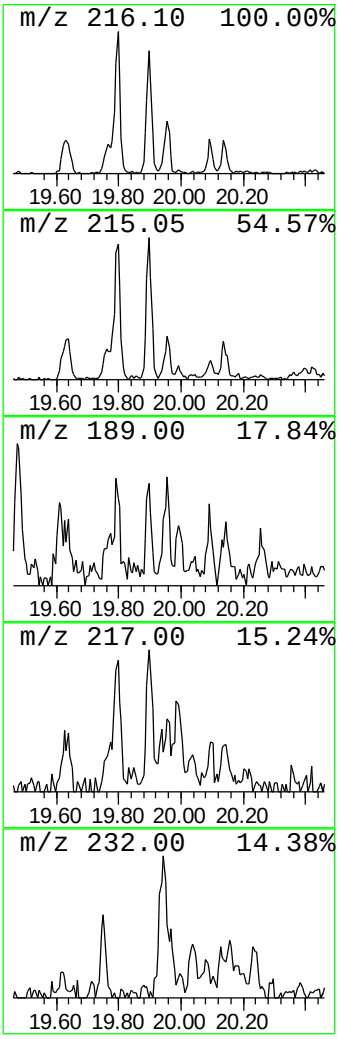
****

Peak Number 11 Pyrene, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.96	2.58 ng/ul	75370	Chrysene-d12	21.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	76
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	68
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018322.D
Acq On : 8 Aug 2015 9:35
Operator : UM/TP
Sample : G3095-13DL 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01S4DL

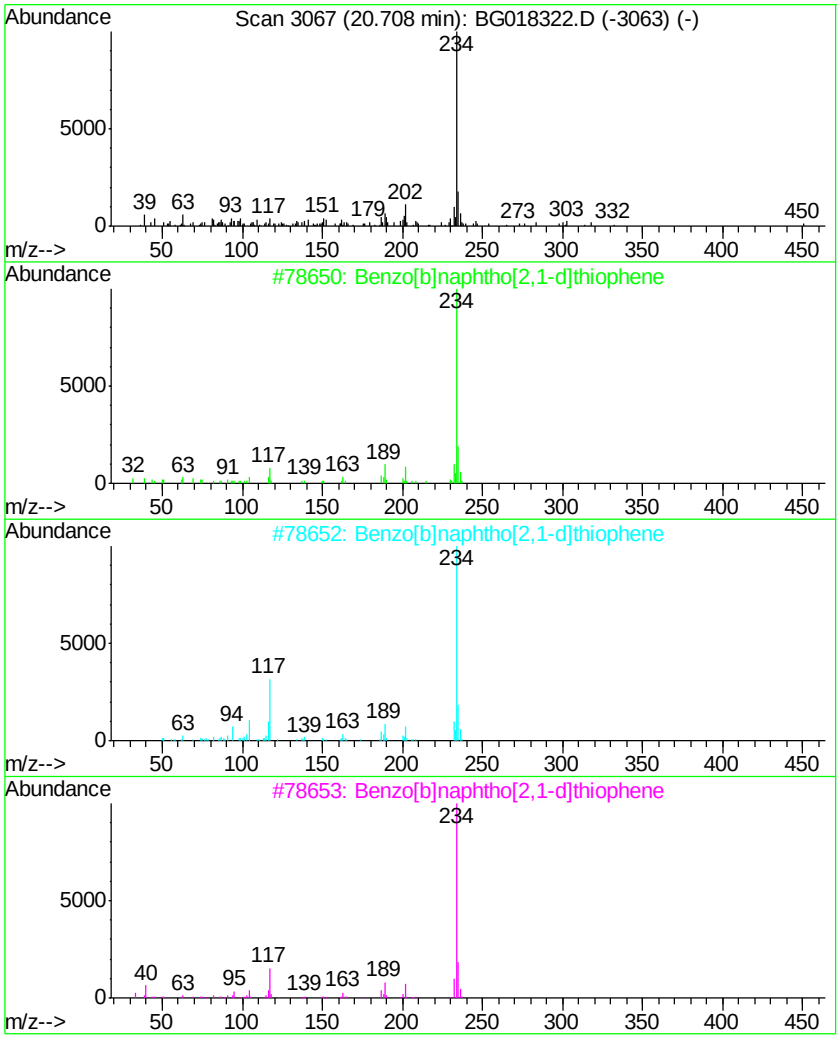
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION

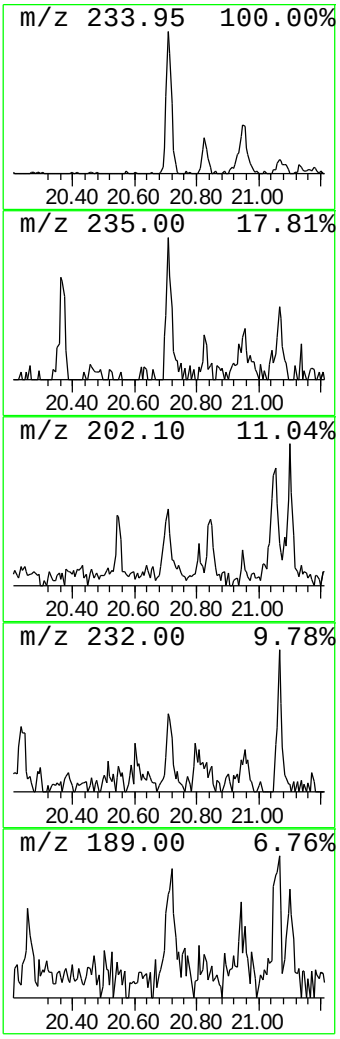
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.71	2.25 ng/ul	65836	Chrysene-d12	21.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	87
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	83
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	83





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018322.D
Acq On : 8 Aug 2015 9:35
Operator : UM/TP
Sample : G3095-13DL 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01S4DL

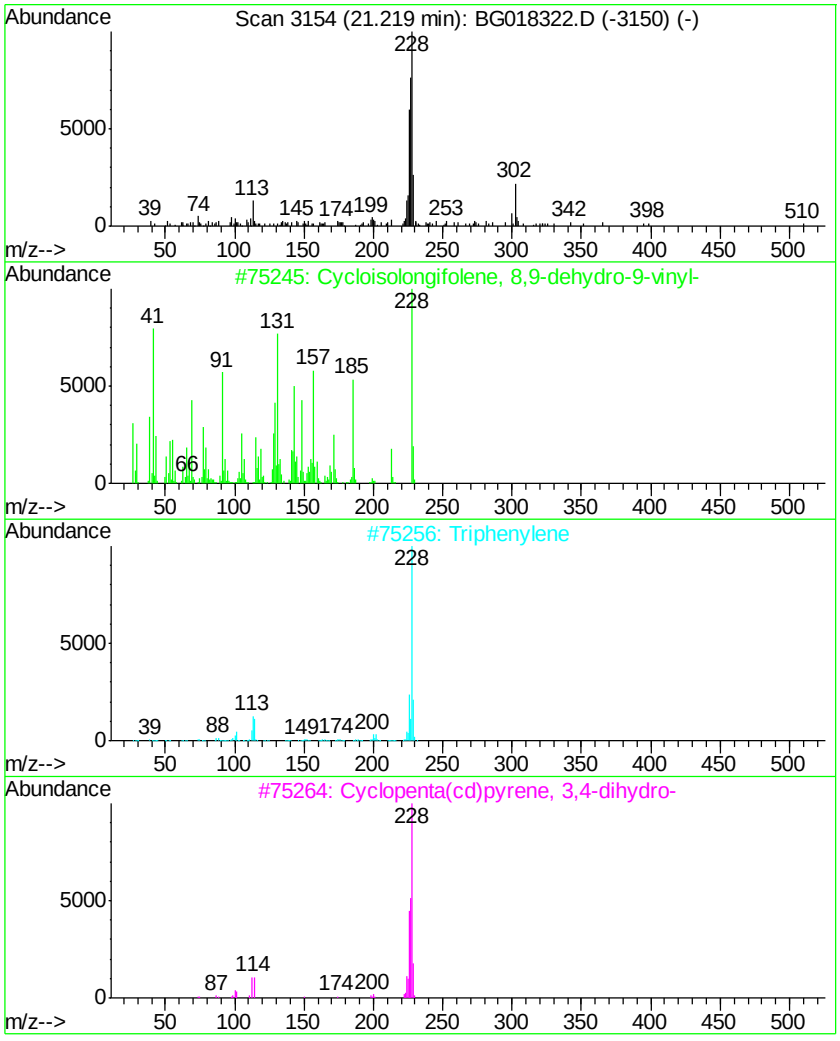
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION

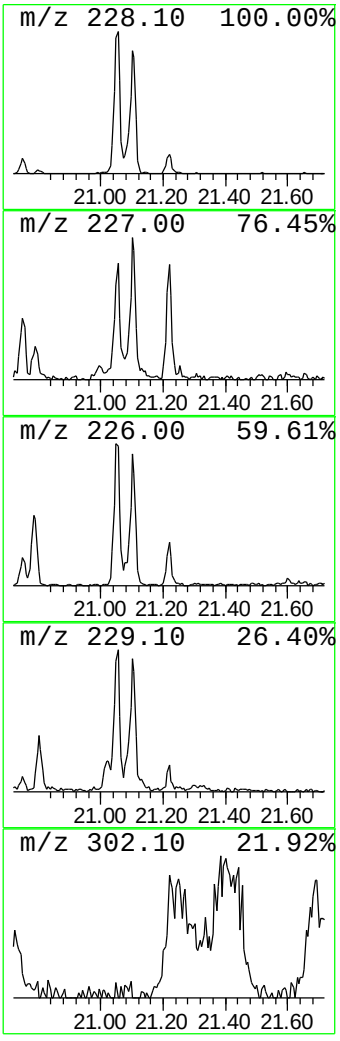
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Cycloisolongifolene, 8,9-de... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.22	3.07 ng/ul	89927	Chrysene-d12	21.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloisolongifolene, 8,9-dehydro...	228	C17H24	1000151-80-0	74
2	Triphenylene	228	C18H12	000217-59-4	41
3	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	38
4	Benz[a]anthracene	228	C18H12	000056-55-3	38
5	Triphenylene	228	C18H12	000217-59-4	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080815\
Data File : BG018322.D
Acq On : 8 Aug 2015 9:35
Operator : UM/TP
Sample : G3095-13DL 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01S4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.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
Phenanthrene, 4-m...	17.73	3.1	ng/ul	43420	4	16.85	276724	20.0
Anthracene, 2-met...	17.78	5.1	ng/ul	71133	4	16.85	276724	20.0
Phenanthrene, 2-m...	17.86	3.1	ng/ul	43027	4	16.85	276724	20.0
4H-Cyclopenta[def...	17.92	8.5	ng/ul	117381	4	16.85	276724	20.0
Benzene, 1,1'-(1,...	17.96	2.0	ng/ul	27910	4	16.85	276724	20.0
Naphthalene, 2-ph...	18.24	3.0	ng/ul	41805	4	16.85	276724	20.0
9,10-Anthracenedione	18.28	2.0	ng/ul	27942	4	16.85	276724	20.0
9,10-Dimethylanth...	18.66	2.6	ng/ul	35882	4	16.85	276724	20.0
Pyrene, 1-methyl-	19.80	4.0	ng/ul	116427	5	21.07	585205	20.0
11H-Benzo[b]fluorene	19.90	3.4	ng/ul	100523	5	21.07	585205	20.0
Pyrene, 4-methyl-	19.96	2.6	ng/ul	75370	5	21.07	585205	20.0
Benzo[b]naphtho[2...	20.71	2.3	ng/ul	65836	5	21.07	585205	20.0
Cycloisolongifole...	21.22	3.1	ng/ul	89927	5	21.07	585205	20.0