LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023699.D
Acq On : 13 Aug 2016 22:15
Operator : UM/SJ
Sample : H4388-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-0612-01

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-BG080416.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	7.267	747	754	766	rBV	364694	731338	13.53%	0.781%
2	7.426	775	781	790	rVB	287071	491232	9.09%	0.524%
3	7.637	809	817	832	rBV	375575	676999	12.53%	0.723%
4	8.113	889	898	912	rVB	394237	725617	13.43%	0.775%
5	8.824	1011	1019	1031	rBV	418729	783841	14.50%	0.837%
6	9.288	1092	1098	1107	rBV	388127	705842	13.06%	0.753%
7	10.022	1215	1223	1230	rBV2	337171	639886	11.84%	0.683%
8	10.568	1307	1316	1331	rBV	493263	980650	18.15%	1.047%
9	10.944	1372	1380	1387	rBV	637686	1163797	21.54%	1.242%
10	11.091	1396	1405	1419	rBV	222954	476458	8.82%	0.509%
11	14.099	1912	1917	1922	rVV	117350	206325	3.82%	0.220%
12	14.181	1922	1931	1935	rVV	976836	1599774	29.60%	1.708%
13	14.228	1935	1939	1945	rVB	732621	1073592	19.87%	1.146%
14	14.481	1974	1982	1998	rBV	1074511	2084966	38.58%	2.226%
15	14.786	2022	2034	2041	rBV2	1027306	1716155	31.76%	1.832%
16	15.009	2061	2072	2080	rBV2	303667	701378	12.98%	0.749%
17	15.174	2092	2100	2109	rVV4	104353	254710	4.71%	0.272%
18	15.256	2109	2114	2122	rVB3	131180	220896	4.09%	0.236%
19	15.397	2132	2138	2143	rBV4	123034	228412	4.23%	0.244%
20	15.573	2159	2168	2170	rBV7	82043	205801	3.81%	0.220%
21	15.609	2170	2174	2178	rVB	177249	236673	4.38%	0.253%
22	15.785	2198	2204	2209	rVV	1379840	2201221	40.73%	2.350%
23	15.832	2209	2212	2221	rVB5	85705	177570	3.29%	0.190%
24	15.914	2221	2226	2231	rBV	340306	530983	9.83%	0.567%
25	16.472	2317	2321	2324	rBV	145432	214368	3.97%	0.229%
26	16.507	2324	2327	2336	rVB6	138230	271426	5.02%	0.290%
27	16.842	2376	2384	2389	rBV6	129594	309919	5.73%	0.331%
28	16.895	2389	2393	2398	rVV	110418	192902	3.57%	0.206%
29	16.995	2406	2410	2415	rVB4	79352	129912	2.40%	0.139%
30	17.077	2417	2424	2429	rBV8	68029	183895	3.40%	0.196%
31	17.206	2441	2446	2453	rVV3	105055	218463	4.04%	0.233%
32	17.271	2453	2457	2463	rVV2	159938	237398	4.39%	0.253%
33	17.365	2470	2473	2479	rVB	157197	237211	4.39%	0.253%
34	17.553	2499	2505	2508	rBV	1253258	1888134	34.94%	2.015%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023699.D
Acq On : 13 Aug 2016 22:15
Operator : UM/SJ
Sample : H4388-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-0612-01

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-BG080416.M
Title : SVOA CALIBRATION

35	17.594	2508	2512	2517	rVB	1489476	2165475	40.07%	2.311%
36	17.653	2517	2522	2526	rBV	1372289	2042401	37.79%	2.180%
37	17.741	2532	2537	2542	rVB3	111842	213038	3.94%	0.227%
38	17.970	2570	2576	2581	rBV7	85835	195641	3.62%	0.209%
39	18.017	2581	2584	2589	rVV4	103118	150699	2.79%	0.161%
40	18.135	2600	2604	2612	rVB	318303	514680	9.52%	0.549%
41	18.281	2624	2629	2637	rVB	195737	370999	6.87%	0.396%
42	18.358	2637	2642	2647	rBV4	92403	186537	3.45%	0.199%
43	18.428	2649	2654	2659	rVV2	1055116	1806253	33.42%	1.928%
44	18.481	2659	2663	2669	rVB	1105036	1587901	29.38%	1.695%
45	18.558	2672	2676	2681	rBV2	149164	251760	4.66%	0.269%
46	18.622	2681	2687	2691	rVV2	903653	1725531	31.93%	1.842%
47	18.663	2691	2694	2699	rVB	697780	941666	17.42%	1.005%
48	18.822	2718	2721	2726	rVB2	180906	259144	4.80%	0.277%
49	18.922	2734	2738	2742	rBV3	405752	618537	11.45%	0.660%
50	18.975	2742	2747	2756	rVB2	453175	868498	16.07%	0.927%
51	19.098	2762	2768	2772	rBV3	85684	179853	3.33%	0.192%
52	19.169	2772	2780	2785	rBV2	386056	820652	15.19%	0.876%
53	19.221	2785	2789	2792	rBV	499161	614263	11.37%	0.656%
54	19.257	2792	2795	2800	rVB2	379289	529296	9.79%	0.565%
55	19.345	2804	2810	2814	rBV	1248910	1971264	36.48%	2.104%
56	19.398	2814	2819	2823	rVV4	410330	745794	13.80%	0.796%
57	19.433	2823	2825	2829	rVB	389856	444912	8.23%	0.475%
58	19.486	2829	2834	2839	rBV4	448462	1010899	18.71%	1.079%
59	19.609	2850	2855	2860	rVB	2736544	4114428	76.13%	4.392%
60	19.668	2860	2865	2867	rBV	269801	376038	6.96%	0.401%
61	19.703	2867	2871	2875	rVB3	301895	465555	8.61%	0.497%
62	19.762	2877	2881	2885	rBV	214302	321097	5.94%	0.343%
63	19.809	2885	2889	2892	rBV4	110047	145477	2.69%	0.155%
64	19.850	2892	2896	2899	rBV2	219939	343198	6.35%	0.366%
65	19.944	2907	2912	2914	rBV3	1833963	2697918	49.92%	2.880%
66	19.979	2914	2918	2924	rVB	3474540	5404191	100.00%	5.768%
67	20.038	2924	2928	2934	rVB	646016	994747	18.41%	1.062%
68	20.126	2934	2943	2945	rBV4	241341	649251	12.01%	0.693%
69	20.155	2946	2948	2952	rVB4	243244	269073	4.98%	0.287%
70	20.202	2952	2956	2963	rVB3	296527	565713	10.47%	0.604%
71	20.291	2965	2971	2972	rBV4	523092	774032	14.32%	0.826%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023699.D
Acq On : 13 Aug 2016 22:15
Operator : UM/SJ
Sample : H4388-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-0612-01

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-BG080416.M
Title : SVOA CALIBRATION

72	20.461	2990	3000	3008	rVB	729209	2142821	39.65%	2.287%
73	20.531	3008	3012	3013	rBV2	168821	191465	3.54%	0.204%
74	20.561	3014	3017	3021	rVV	292252	362091	6.70%	0.386%
75	20.625	3022	3028	3031	rVV	818473	1108458	20.51%	1.183%
76	20.766	3047	3052	3056	rBV	819779	1184344	21.92%	1.264%
77	20.807	3056	3059	3072	rVB2	699195	1319132	24.41%	1.408%
78	21.025	3093	3096	3099	rBV5	133877	196691	3.64%	0.210%
79	21.066	3100	3103	3106	rVV4	133035	191614	3.55%	0.205%
80	21.248	3129	3134	3141	rVB	484776	854523	15.81%	0.912%
81	21.342	3148	3150	3155	rVB	208200	273705	5.06%	0.292%
82	21.442	3157	3167	3170	rVV4	530791	1336966	24.74%	1.427%
83	21.477	3170	3173	3178	rVV2	453421	729478	13.50%	0.779%
84	21.536	3178	3183	3187	rVV2	284623	562869	10.42%	0.601%
85	21.595	3191	3193	3200	rVB2	310024	508732	9.41%	0.543%
86	21.865	3232	3239	3246	rBV3	1758499	5081604	94.03%	5.424%
87	21.924	3246	3249	3262	rVB	1558115	2758754	51.05%	2.945%
88	22.029	3264	3267	3273	rVB2	206450	324993	6.01%	0.347%
89	22.088	3273	3277	3282	rBV3	182798	358144	6.63%	0.382%
90	22.164	3285	3290	3300	rBV6	253149	661059	12.23%	0.706%
91	22.370	3321	3325	3330	rVB4	166125	273922	5.07%	0.292%
92	22.646	3363	3372	3379	rBV	463696	1077810	19.94%	1.150%
93	22.717	3381	3384	3394	rVB	326435	590128	10.92%	0.630%
94	22.934	3415	3421	3425	rBV2	359872	653732	12.10%	0.698%
95	24.203	3628	3637	3644	rBV3	793487	2747244	50.84%	2.932%
96	24.967	3760	3767	3774	rBV	508524	1418537	26.25%	1.514%
97	25.055	3775	3782	3788	rVV2	702033	2036228	37.68%	2.173%
98	25.125	3788	3794	3805	rVB	860983	2282293	42.23%	2.436%
99	25.284	3812	3821	3829	rBV	694920	2025769	37.49%	2.162%
100	29.184	4478	4485	4486	rBV2	220481	397715	7.36%	0.425%

Sum of corrected areas: 93684976

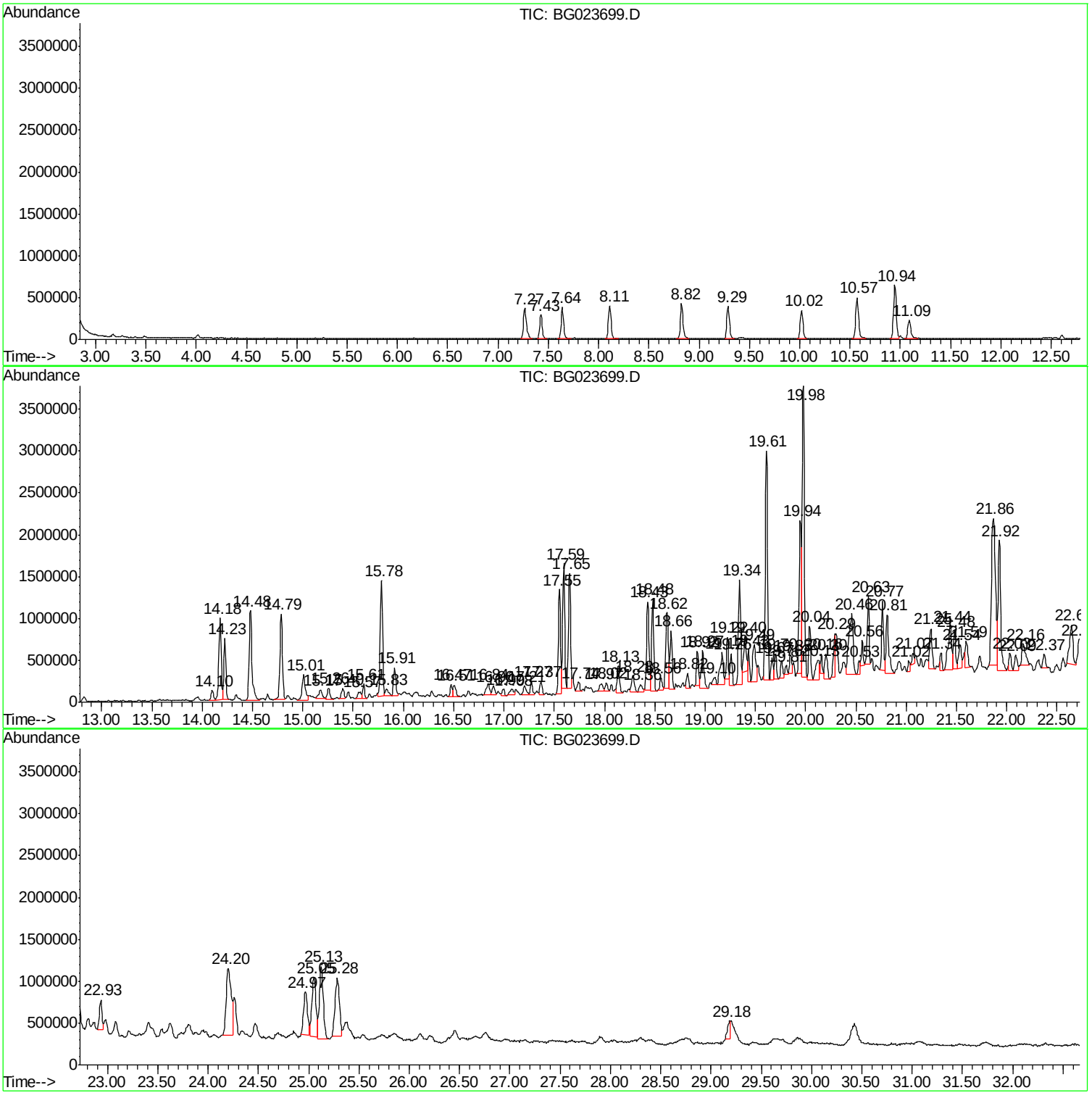
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023699.D
Acq On : 13 Aug 2016 22:15
Operator : UM/SJ
Sample : H4388-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023699.D
Acq On : 13 Aug 2016 22:15
Operator : UM/SJ
Sample : H4388-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

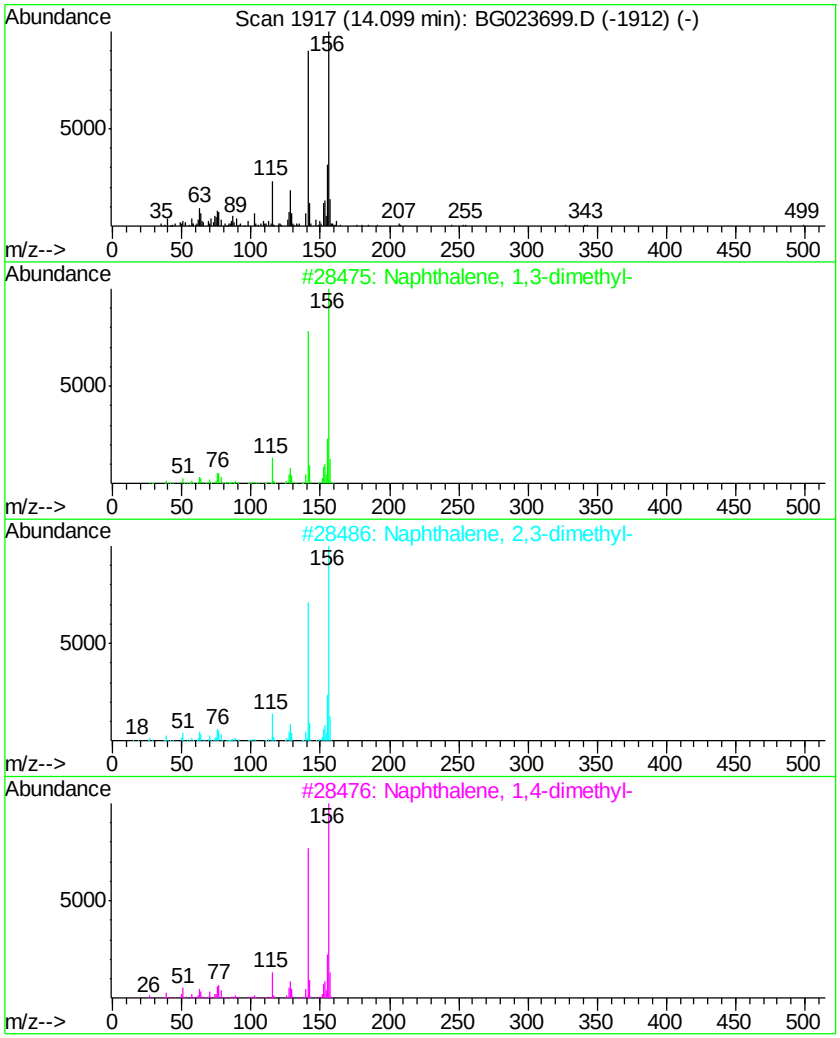
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

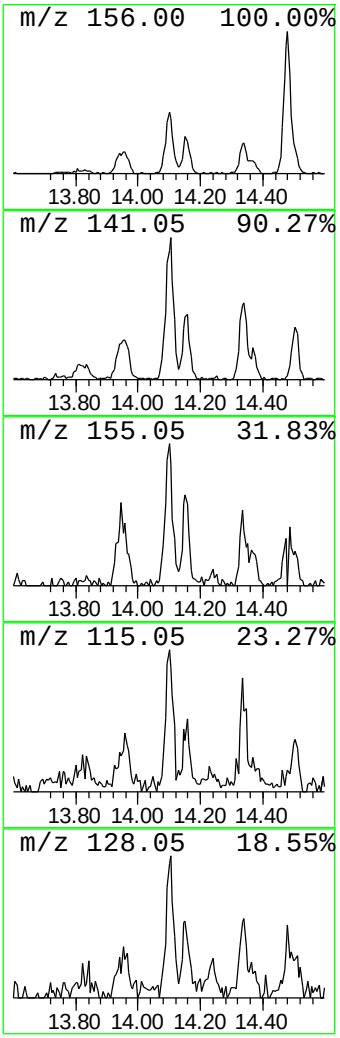
****

Peak Number 1 Naphthalene, 1,3-dimethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	2.40 ng/ul	206325	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	94
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023699.D
Acq On : 13 Aug 2016 22:15
Operator : UM/SJ
Sample : H4388-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

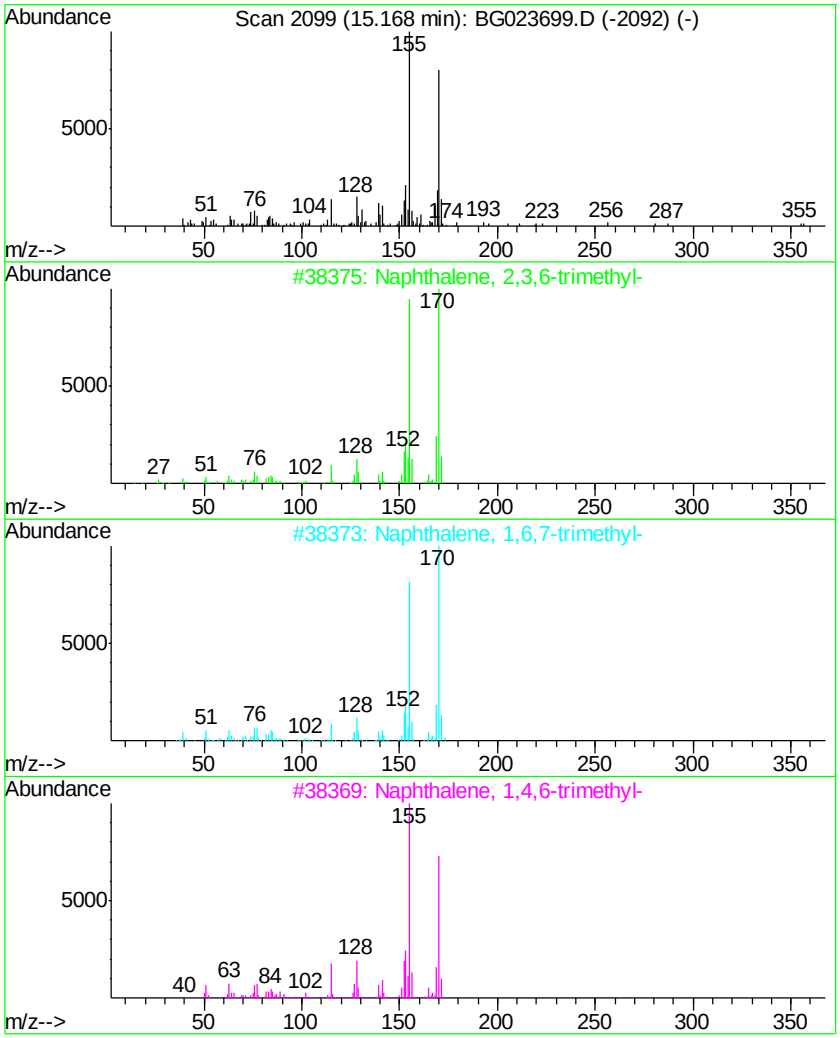
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

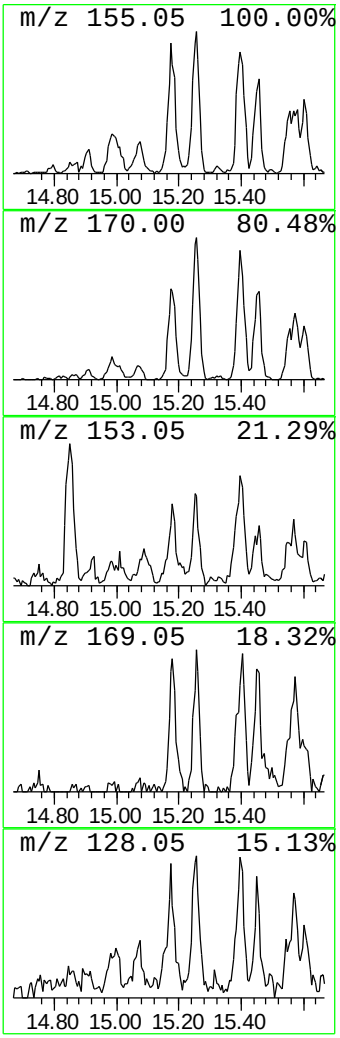
****

Peak Number 2 Naphthalene, 2,3,6-trimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	2.97 ng/ul	254710	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023699.D
Acq On : 13 Aug 2016 22:15
Operator : UM/SJ
Sample : H4388-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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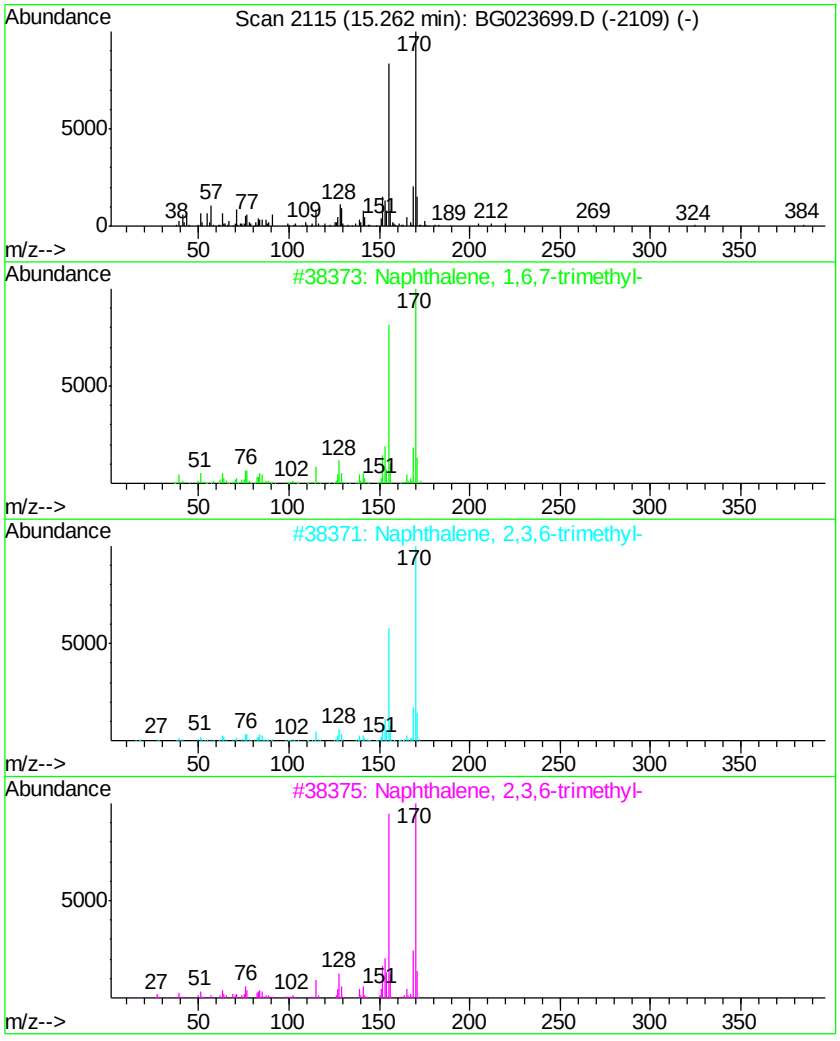
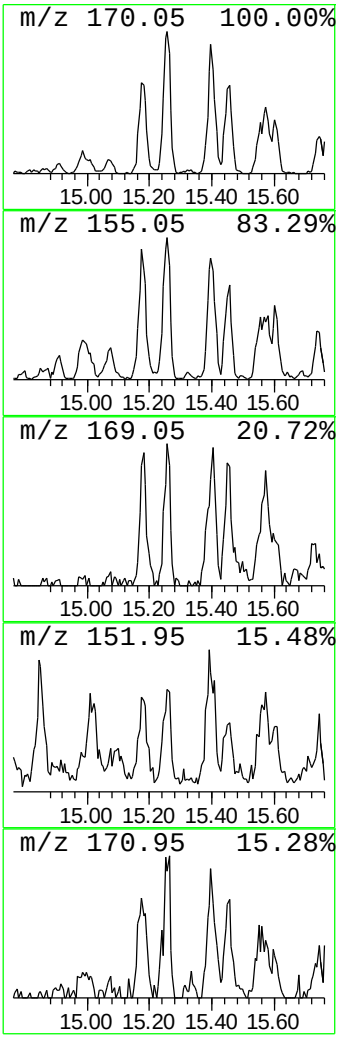
Peak Number 3 Naphthalene, 1,6,7-trimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	2.57 ng/ul	220896	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023699.D
Acq On : 13 Aug 2016 22:15
Operator : UM/SJ
Sample : H4388-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

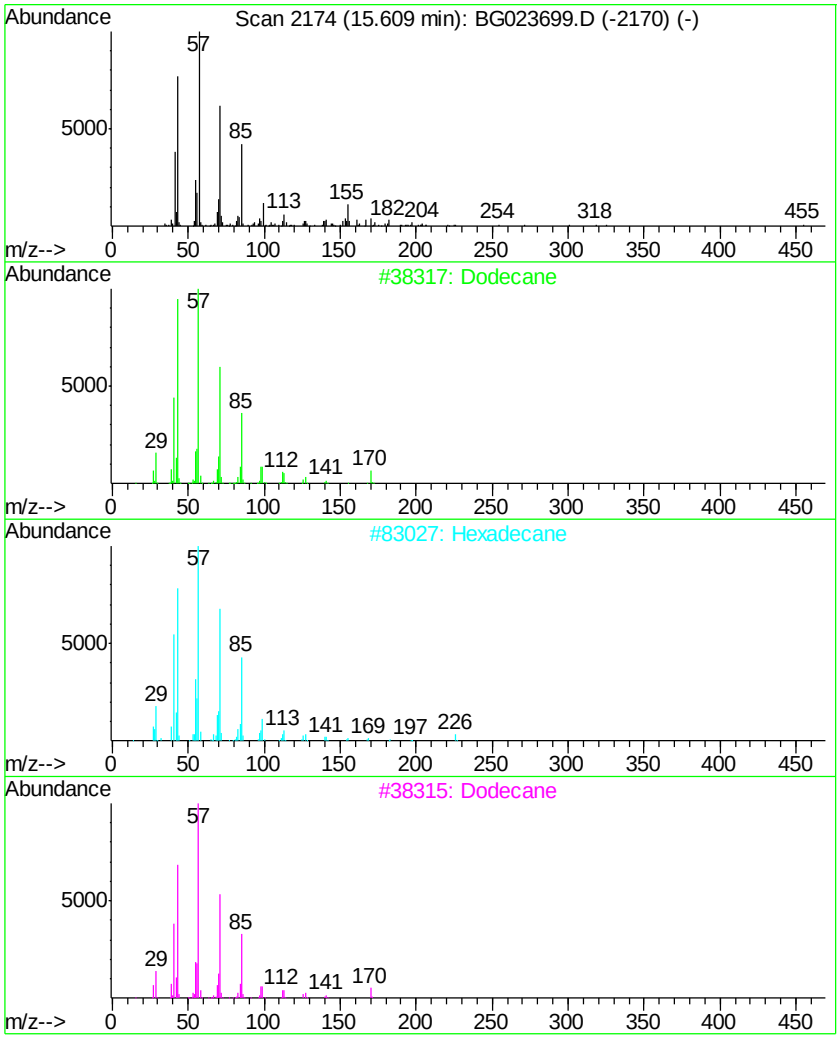
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

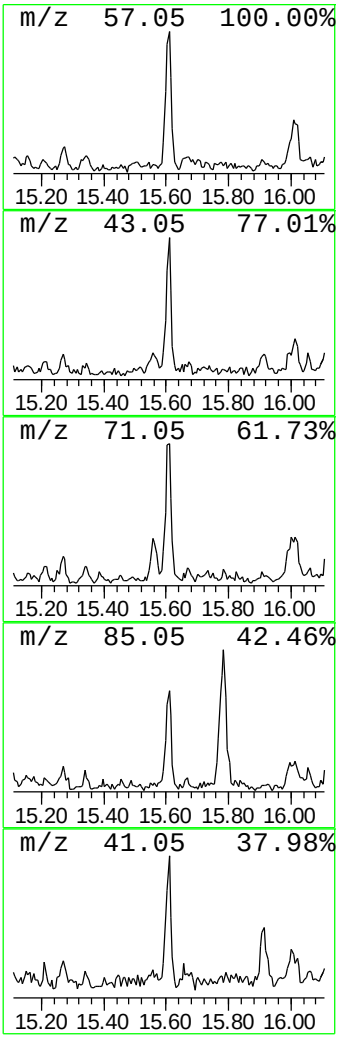
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	2.76 ng/ul	236673	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	81
2	Hexadecane	226	C16H34	000544-76-3	81
3	Dodecane	170	C12H26	000112-40-3	72
4	Nonadecane	268	C19H40	000629-92-5	72
5	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023699.D
Acq On : 13 Aug 2016 22:15
Operator : UM/SJ
Sample : H4388-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

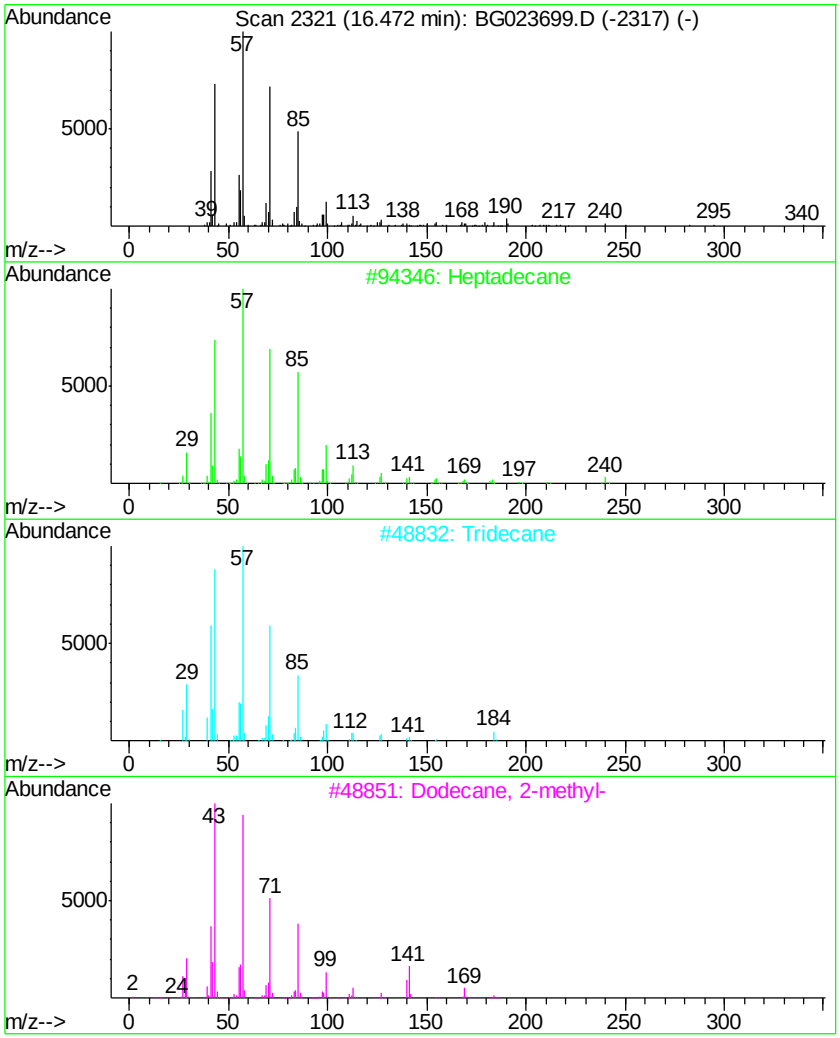
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

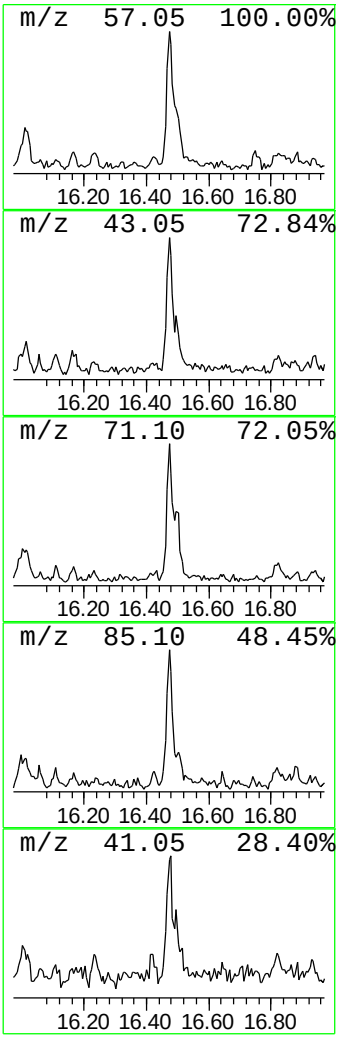
****

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	2.27 ng/ul	214368	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	93
2	Tridecane	184	C13H28	000629-50-5	90
3	Dodecane, 2-methyl-	184	C13H28	001560-97-0	86
4	Undecane, 2-methyl-	170	C12H26	007045-71-8	86
5	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	83





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Acq On : 13 Aug 2016 22:15
Operator : UM/SJ
Sample : H4388-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

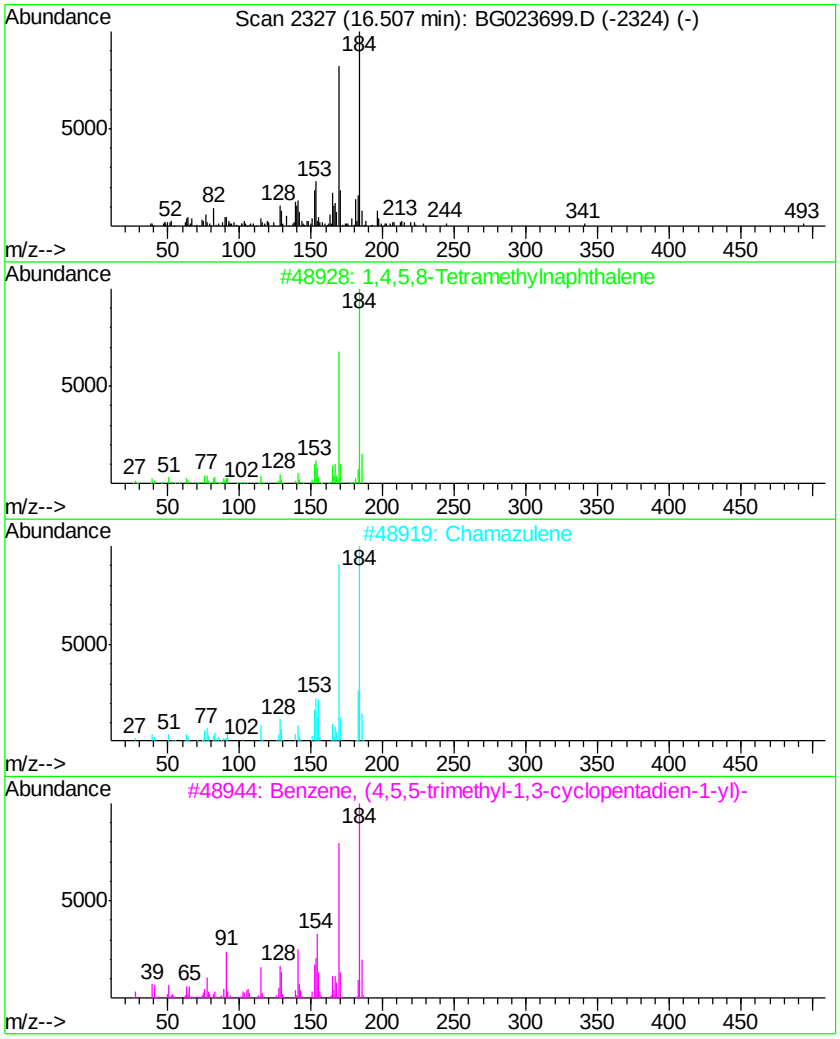
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

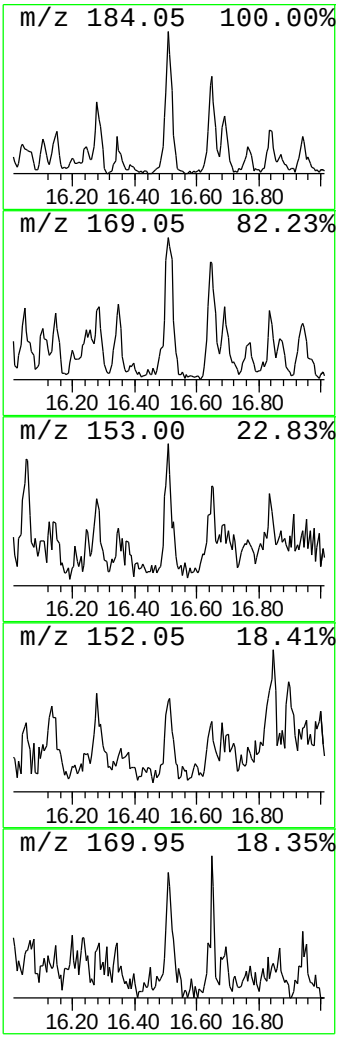
****

Peak Number 8 1,4,5,8-Tetramethylnaphthalene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.51	2.88 ng/ul	271426	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	83
2	Chamazulene	184	C14H16	000529-05-5	80
3	Benzene, (4,5,5-trimethyl-1,3-cv...	184	C14H16	033930-85-7	78
4	Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	72
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





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Acq On : 13 Aug 2016 22:15
Operator : UM/SJ
Sample : H4388-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

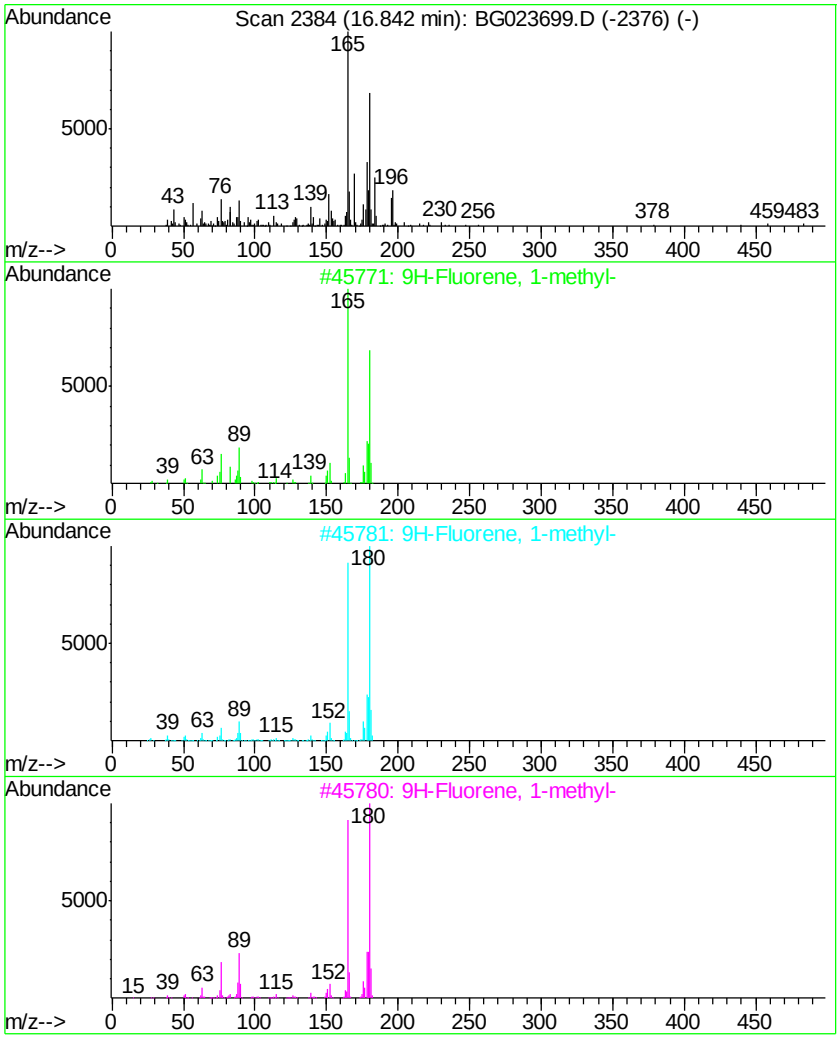
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

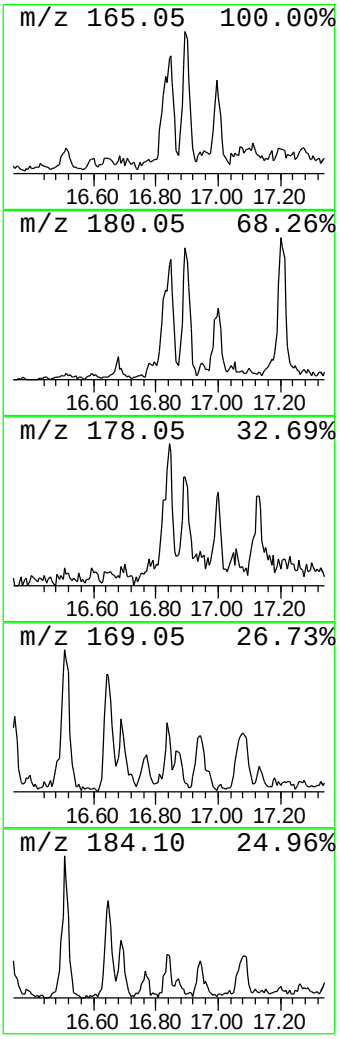
****

Peak Number 9 9H-Fluorene, 1-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.84	3.28 ng/ul	309919	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	78
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	78
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	60
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	60
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	60





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Sample : H4388-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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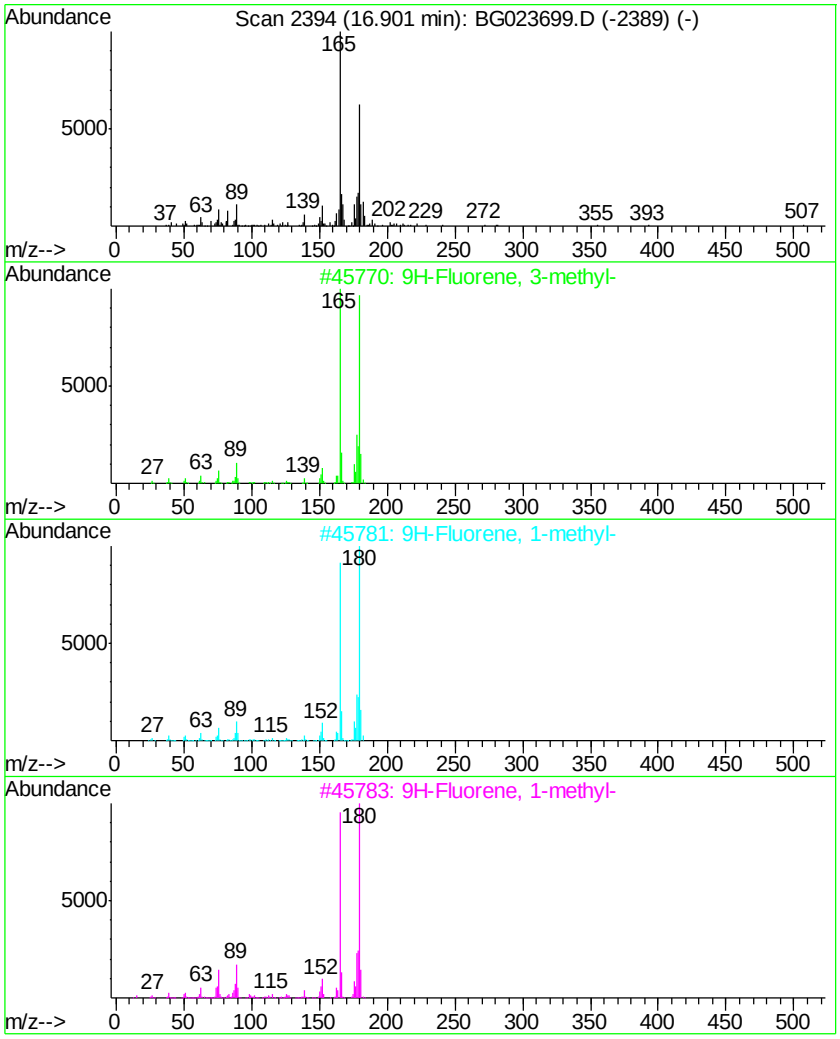
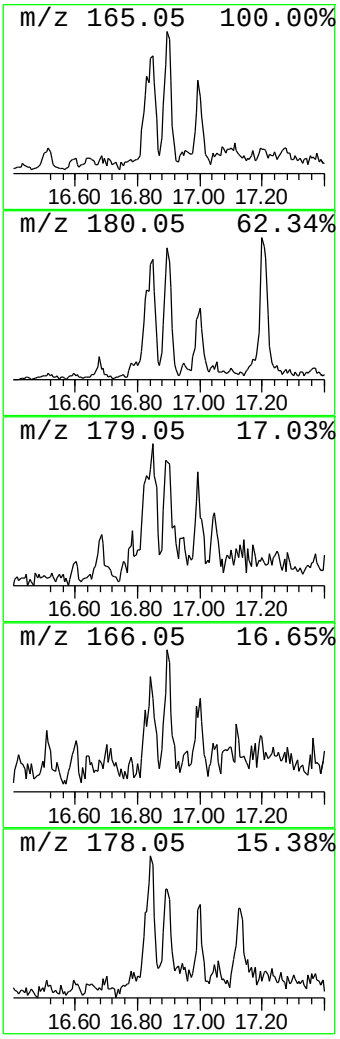
Peak Number 10 9H-Fluorene, 3-methyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.90	2.04 ng/ul	192902	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	91
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90





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Sample : H4388-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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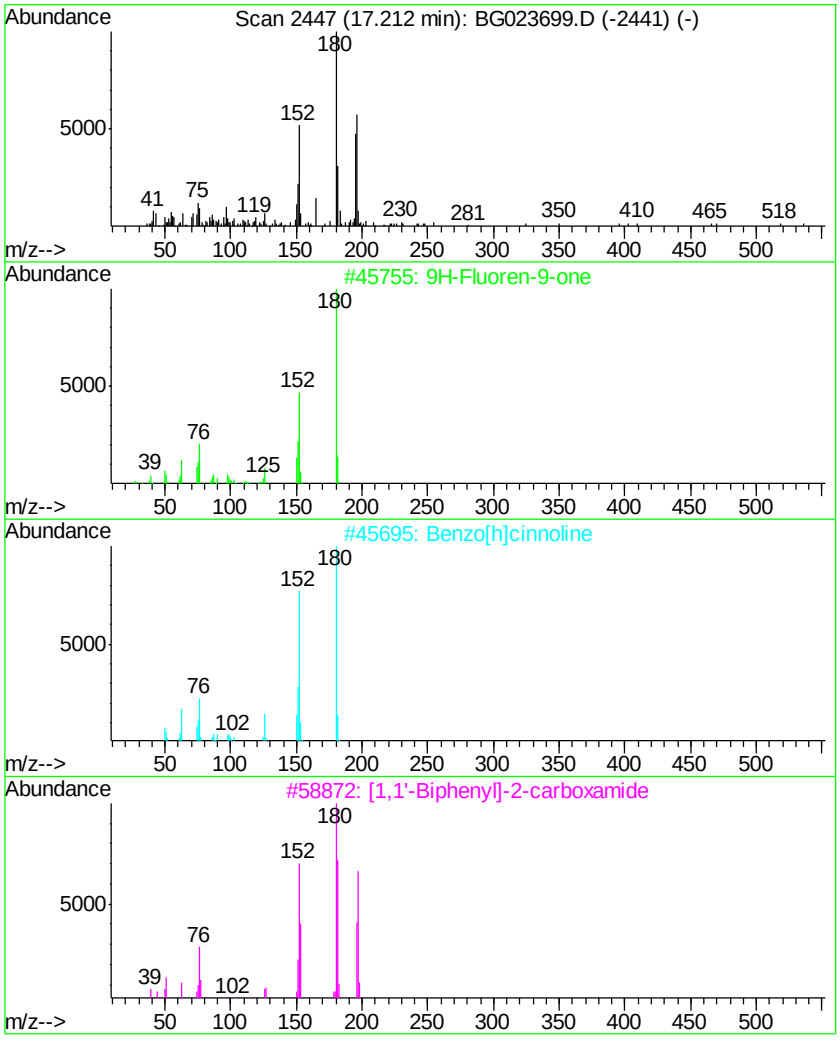
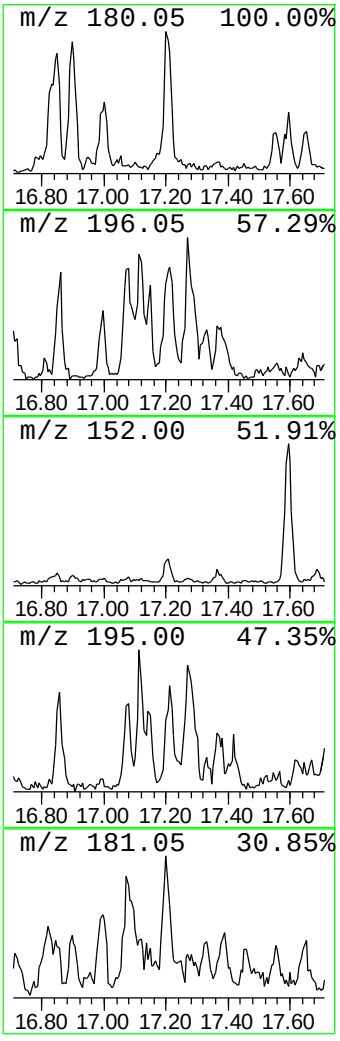
Peak Number 11 9H-Fluoren-9-one Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.21	2.31 ng/ul	218463	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
3	[1,1'-Biphenyl]-2-carboxamide	197	C13H11NO	013234-79-2	59
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	52





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Acq On : 13 Aug 2016 22:15
Operator : UM/SJ
Sample : H4388-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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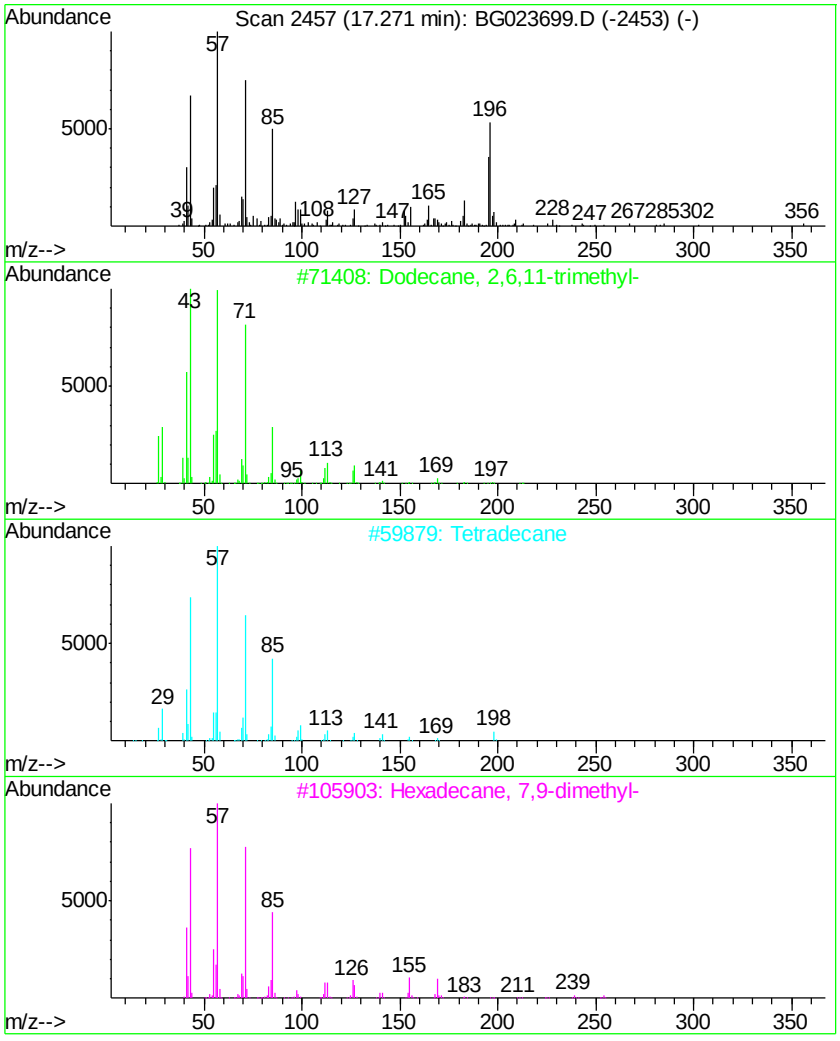
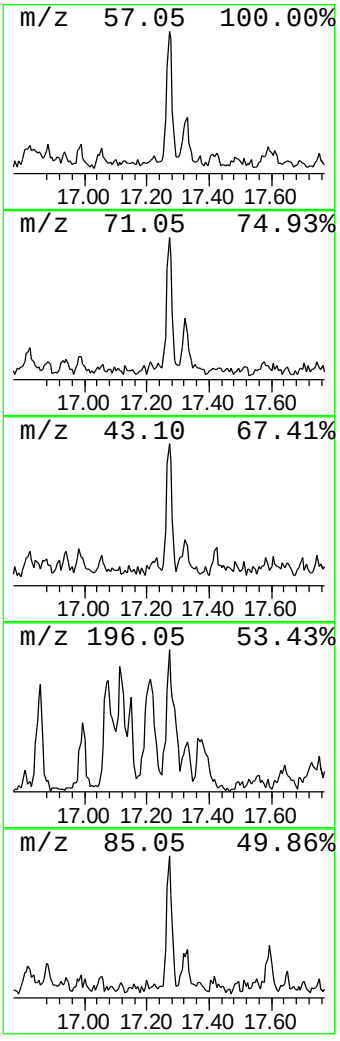
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	2.51 ng/ul	237398	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	60
2	Tetradecane	198	C14H30	000629-59-4	60
3	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	60
4	Dodecane	170	C12H26	000112-40-3	55
5	10-Methylnonadecane	282	C20H42	056862-62-5	52





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Sample : H4388-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

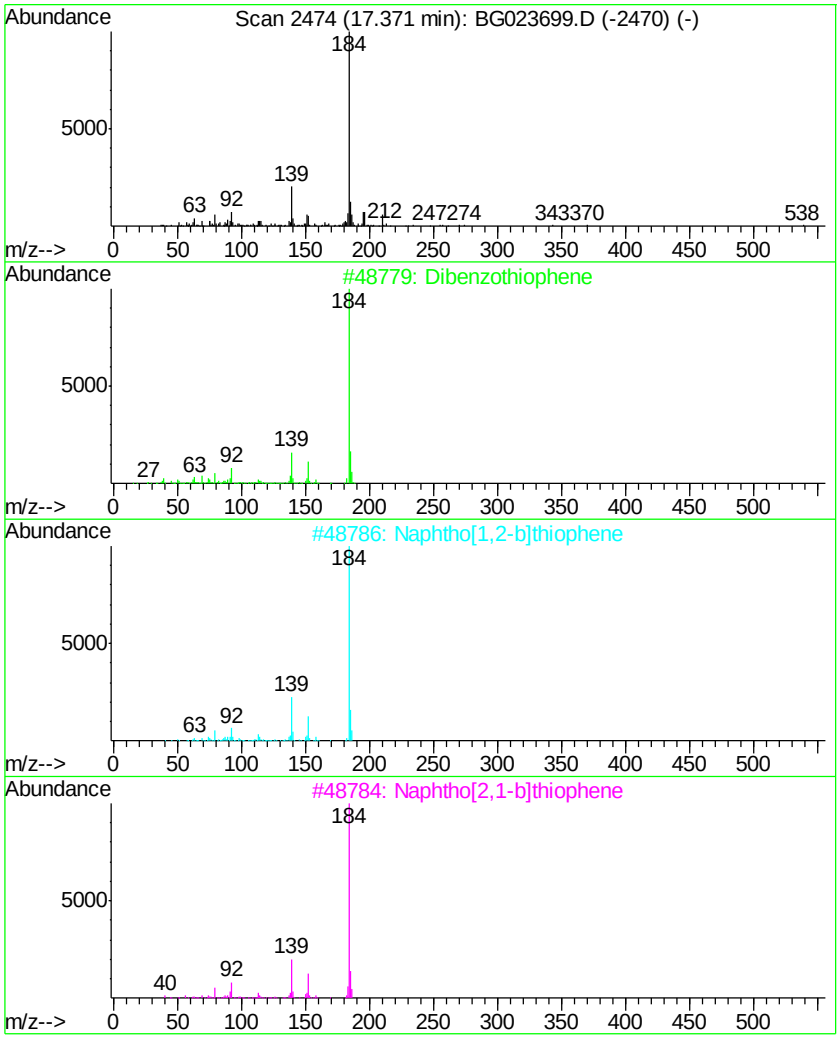
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

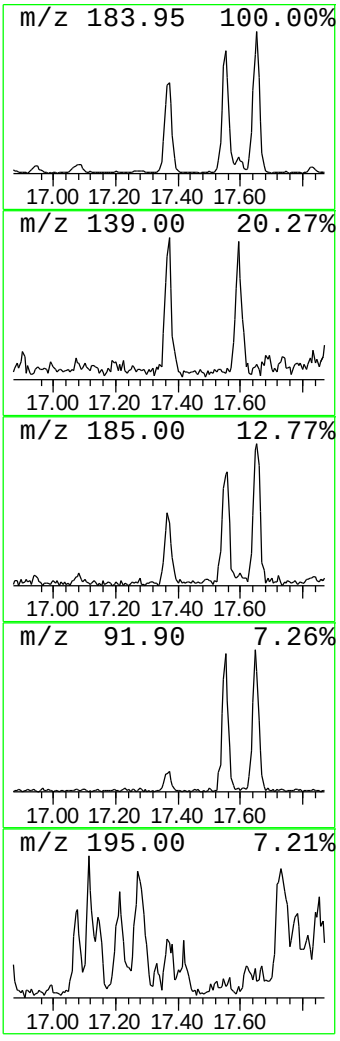
****

Peak Number 13 Dibenzothiophene Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.37	2.51 ng/ul	237211	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87
5	Dibenzothiophene	184	C12H8S	000132-65-0	87





Library Search Compound Report

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Operator : UM/SJ
Sample : H4388-01
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Instrument : BNA_G
ClientSampleId : PR002-SS001-0612-01

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Quant Title : SVOA CALIBRATION

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

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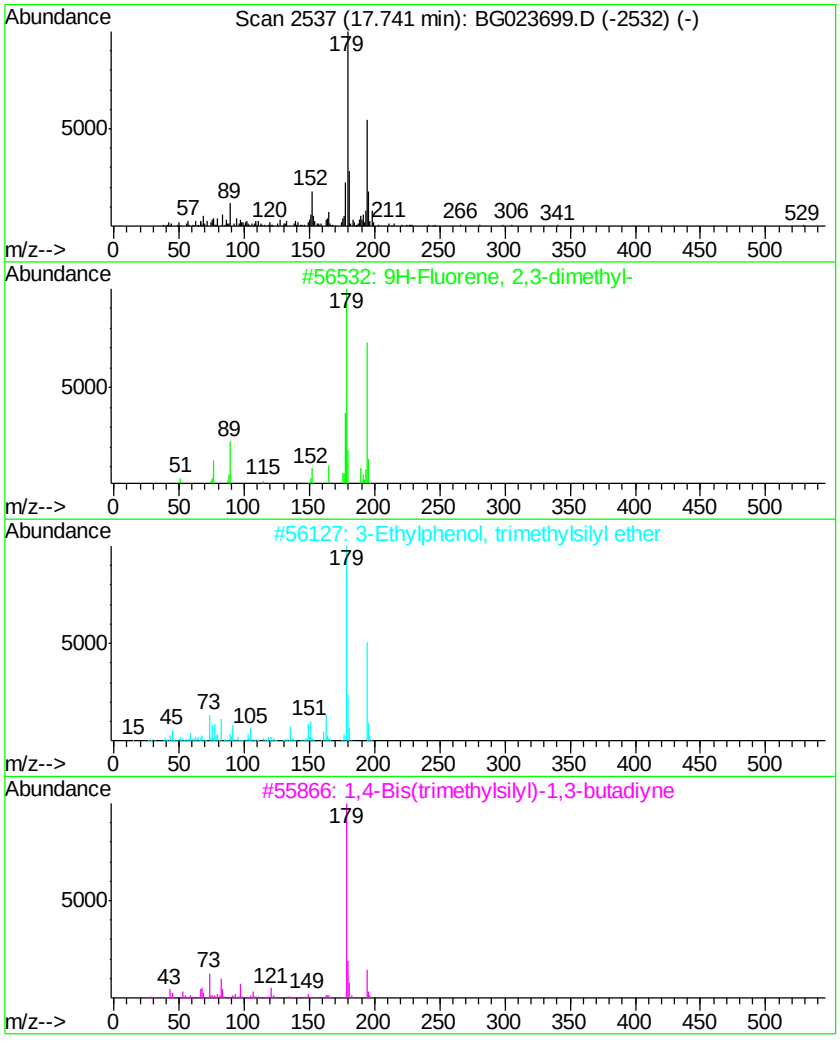
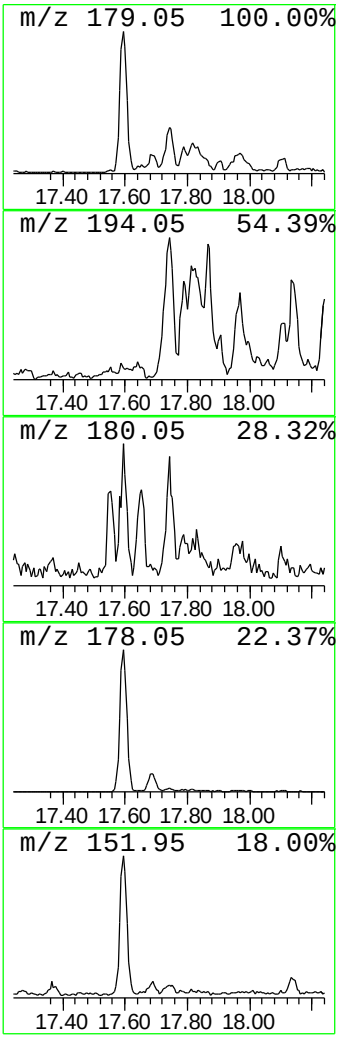
Peak Number 14 9H-Fluorene, 2,3-dimethyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.74	2.26 ng/ul	213038	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	64
2	3-Ethylphenol, trimethylsilyl ether	194	C11H18OSi	1000333-41-3	59
3	1,4-Bis(trimethylsilyl)-1,3-buta...	194	C10H18Si2	004526-07-2	59
4	Benzo[h]quinoline	179	C13H9N	000230-27-3	53
5	Silane, trimethyl(3,5-xylyloxy)-	194	C11H18OSi	017994-05-7	53





Library Search Compound Report

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Sample : H4388-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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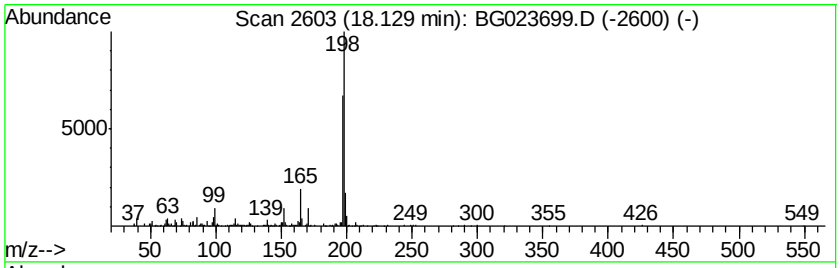
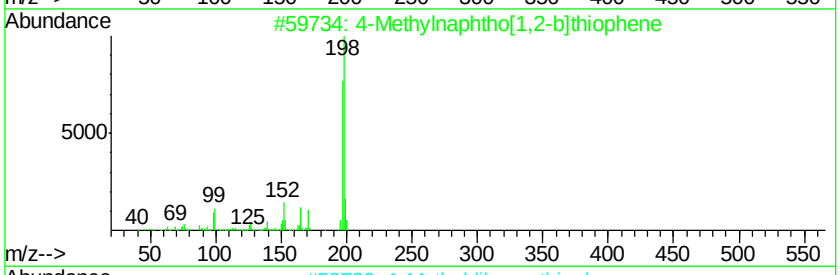
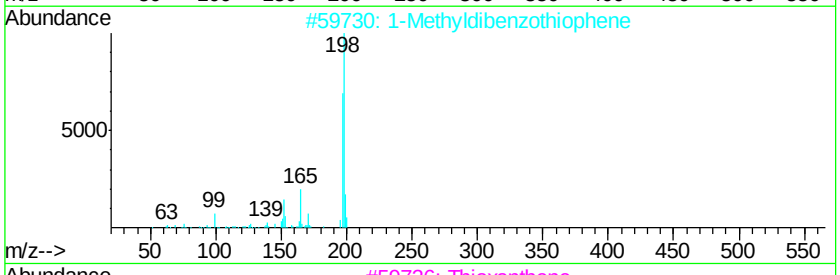
Peak Number 15 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 15

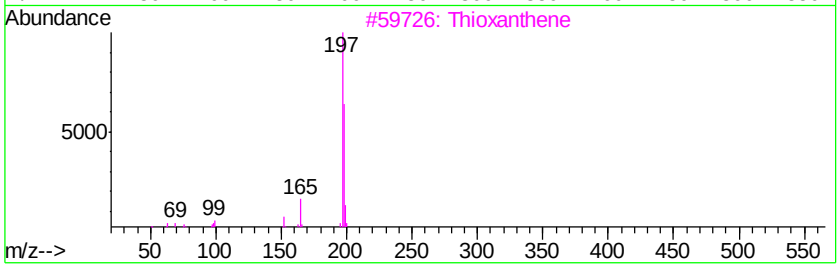
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	5.45 ng/ul	514680	Phenanthrene-d10	17.55

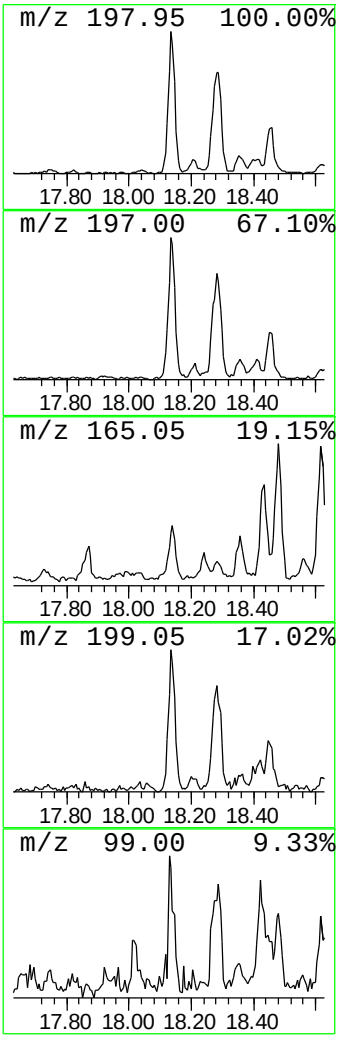
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	90
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	90
3	Thioxanthene	198	C13H10S	000261-31-4	86
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	81
5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	81











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Data File : BG023699.D
Acq On : 13 Aug 2016 22:15
Operator : UM/SJ
Sample : H4388-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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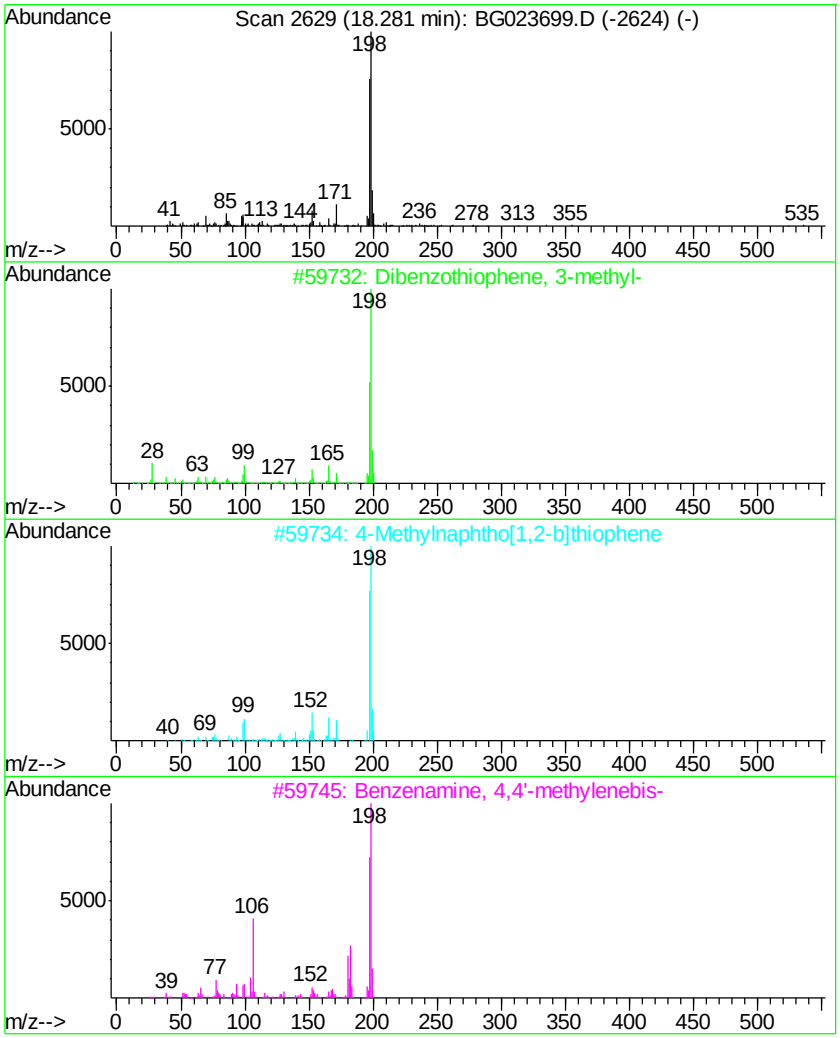
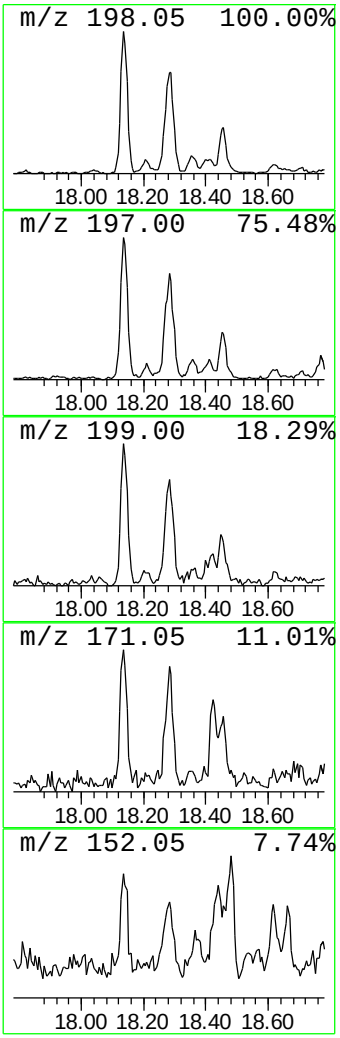
Peak Number 16 Dibenzothiophene, 3-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	3.93 ng/ul	370999	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	87
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	87
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	87
5	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	72





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Acq On : 13 Aug 2016 22:15
Operator : UM/SJ
Sample : H4388-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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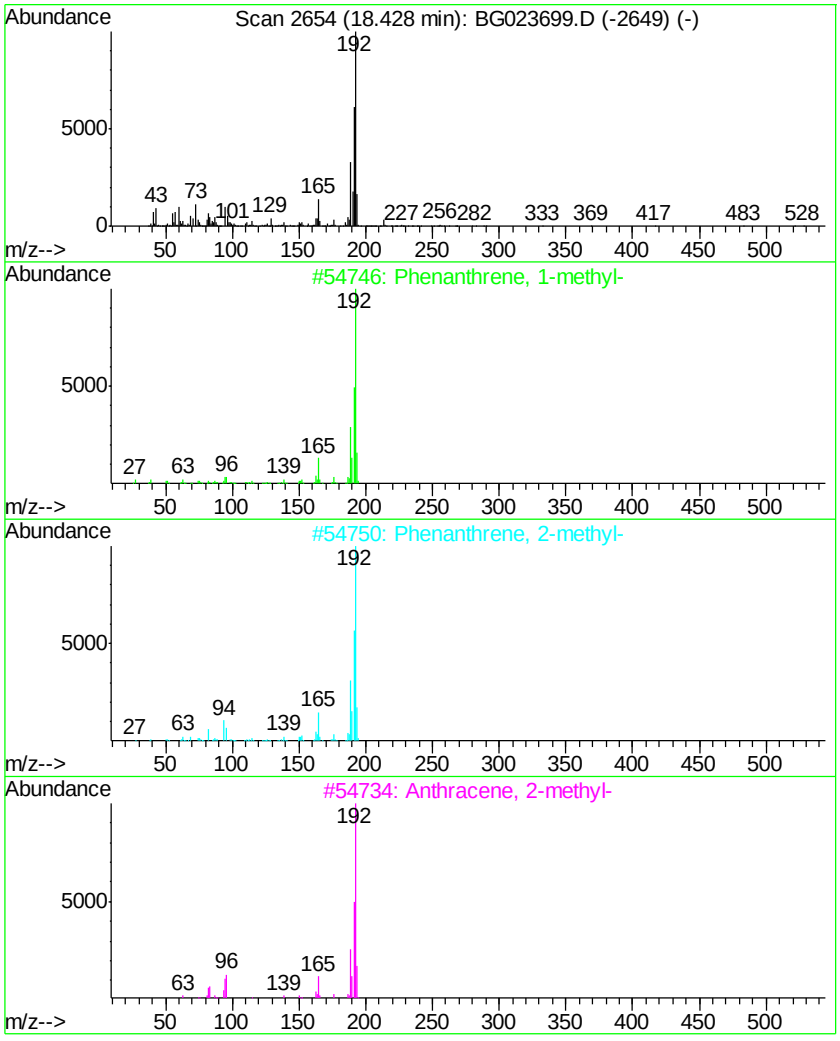
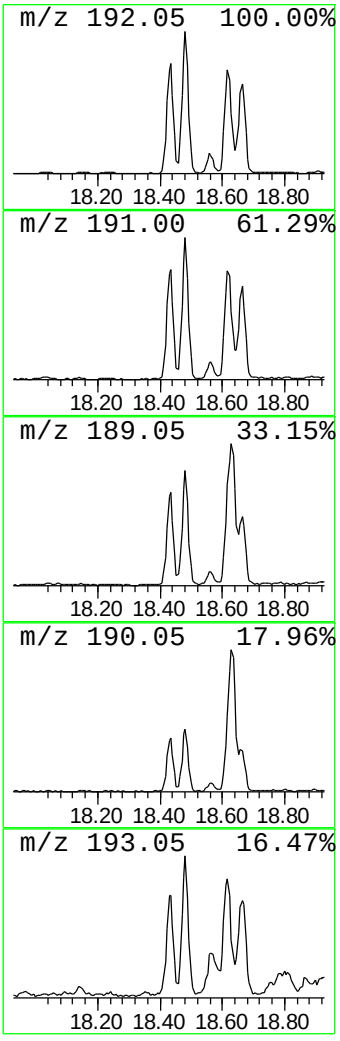
Peak Number 17 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	19.13 ng/ul	1806250	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	89





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Misc :
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Instrument : BNA_G
ClientSampleId : PR002-SS001-0612-01

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Quant Title : SVOA CALIBRATION

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

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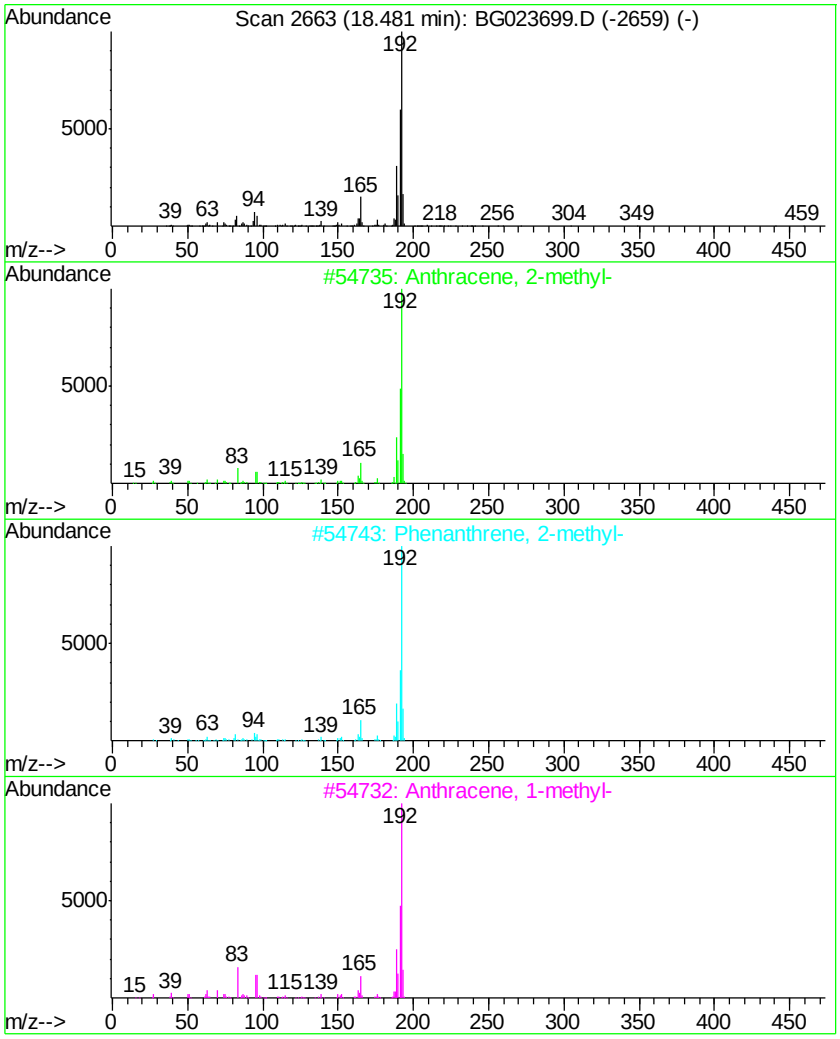
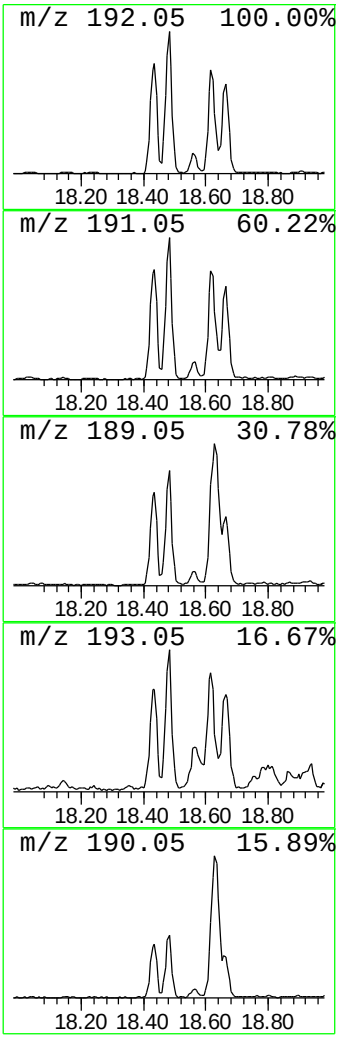
Peak Number 18 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	16.82 ng/ul	1587900	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91





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Data File : BG023699.D
Acq On : 13 Aug 2016 22:15
Operator : UM/SJ
Sample : H4388-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

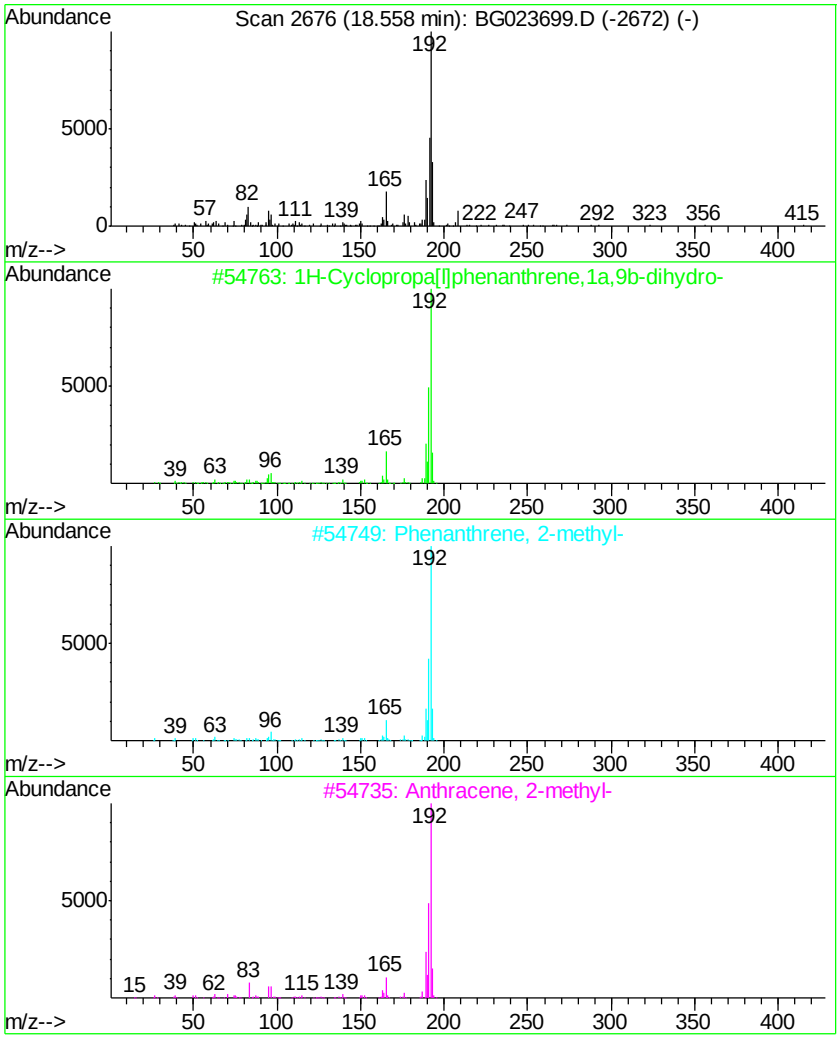
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

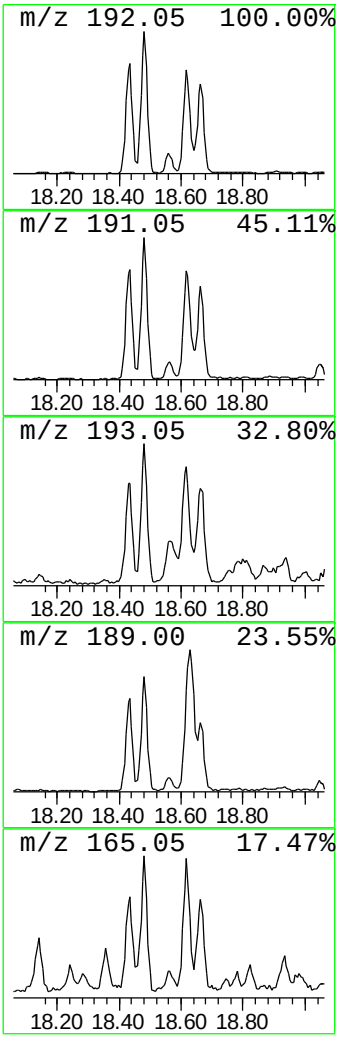
****

Peak Number 19 1H-Cyclopropa[l]phenanthren... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	2.67 ng/ul	251760	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90





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Acq On : 13 Aug 2016 22:15
Operator : UM/SJ
Sample : H4388-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

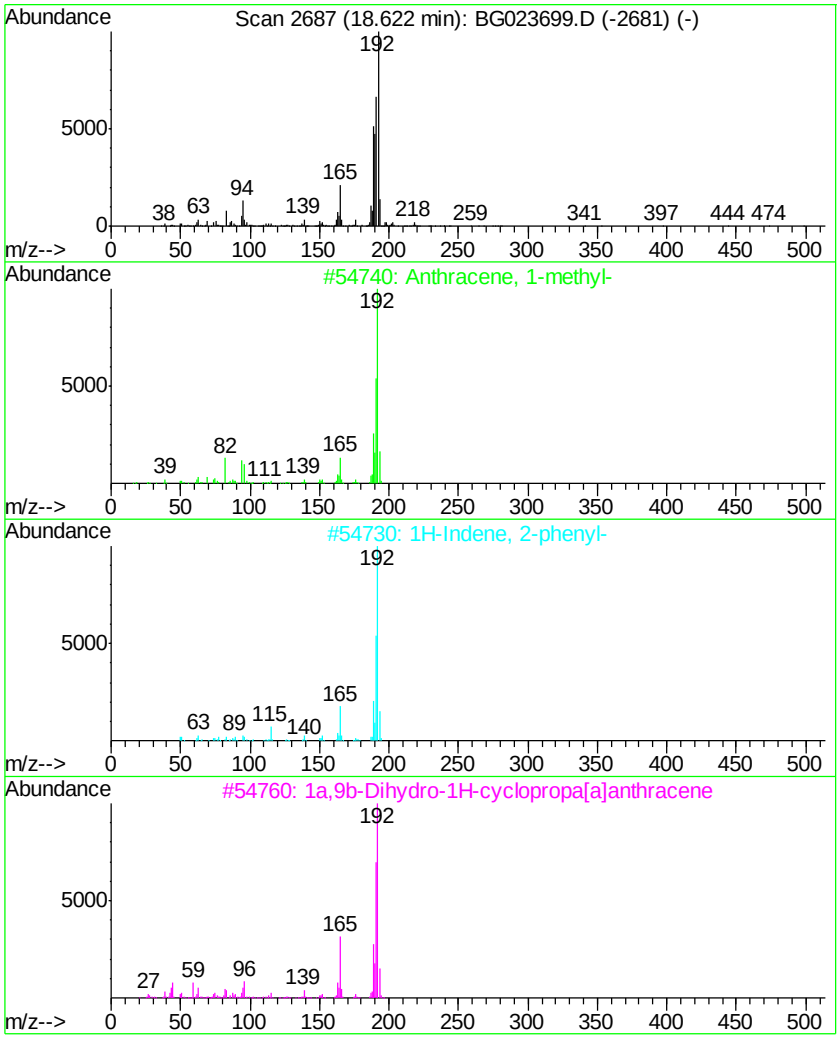
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

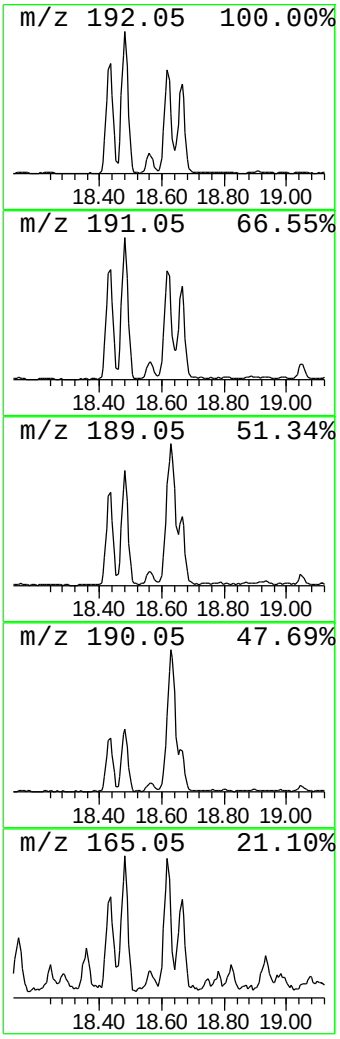
****

Peak Number 20 Anthracene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	18.28 ng/ul	1725530	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60
3	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	60
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60





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Acq On : 13 Aug 2016 22:15
Operator : UM/SJ
Sample : H4388-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

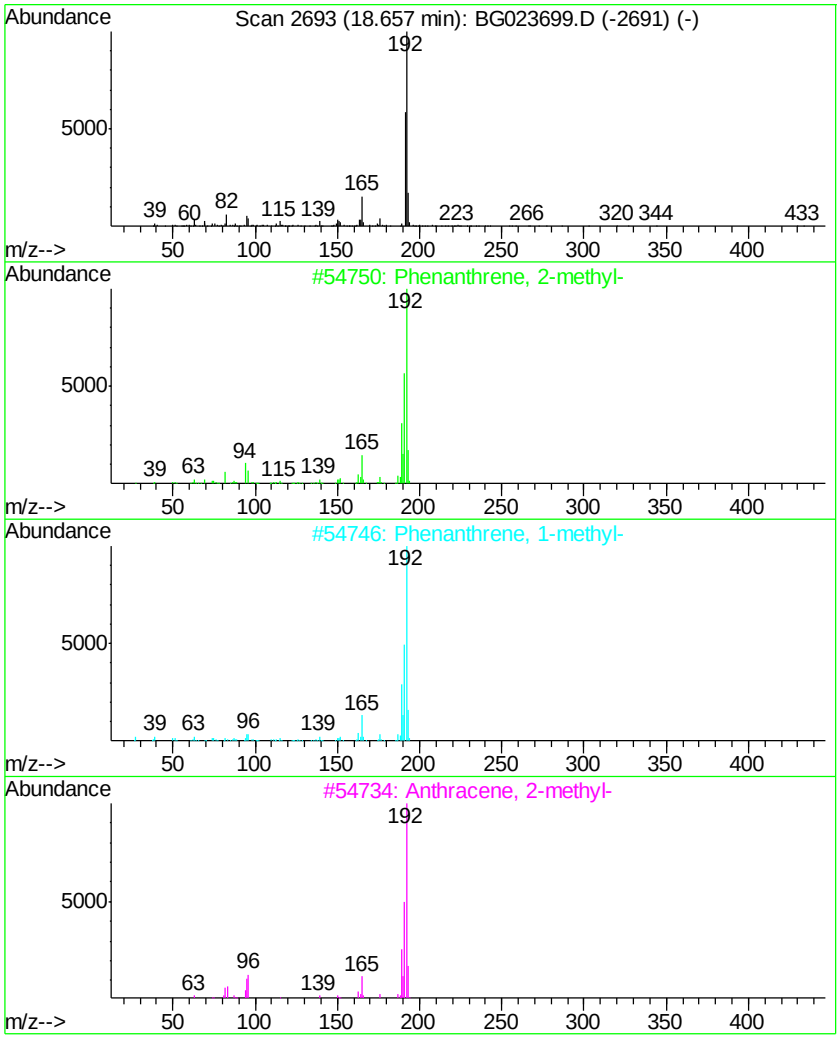
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

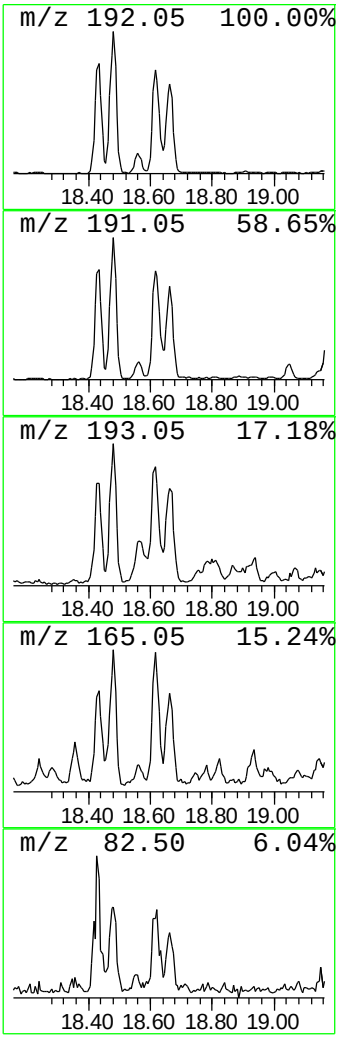
****

Peak Number 21 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	9.97 ng/ul	941666	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Library Search Compound Report

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Data File : BG023699.D
Acq On : 13 Aug 2016 22:15
Operator : UM/SJ
Sample : H4388-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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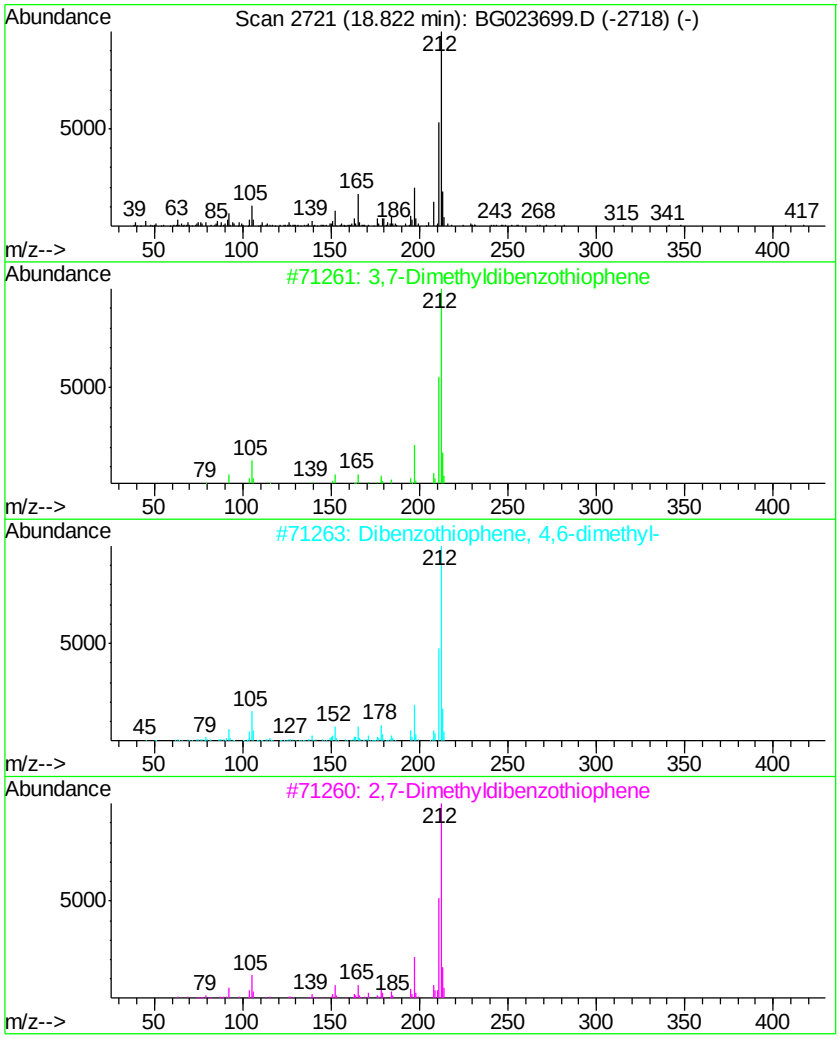
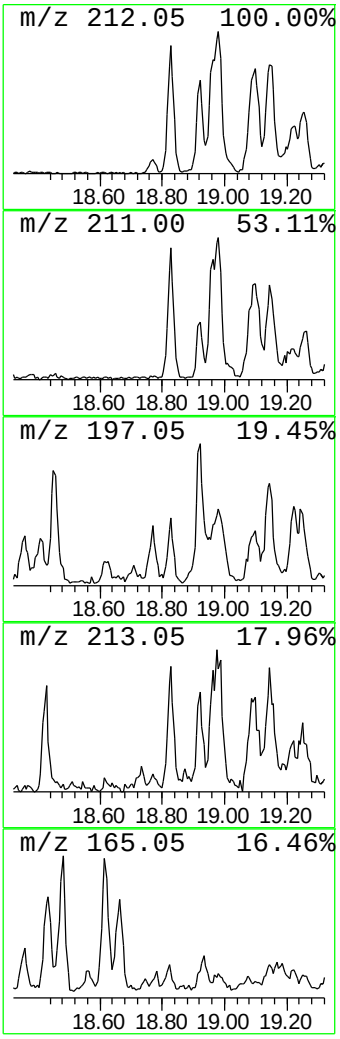
Peak Number 22 3,7-Dimethyldibenzothiophene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	2.74 ng/ul	259144	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	96
2	Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	95
3	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	94
4	2,6-Dimethyldibenzothiophene	212	C14H12S	089816-75-1	94
5	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	93





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Acq On : 13 Aug 2016 22:15
Operator : UM/SJ
Sample : H4388-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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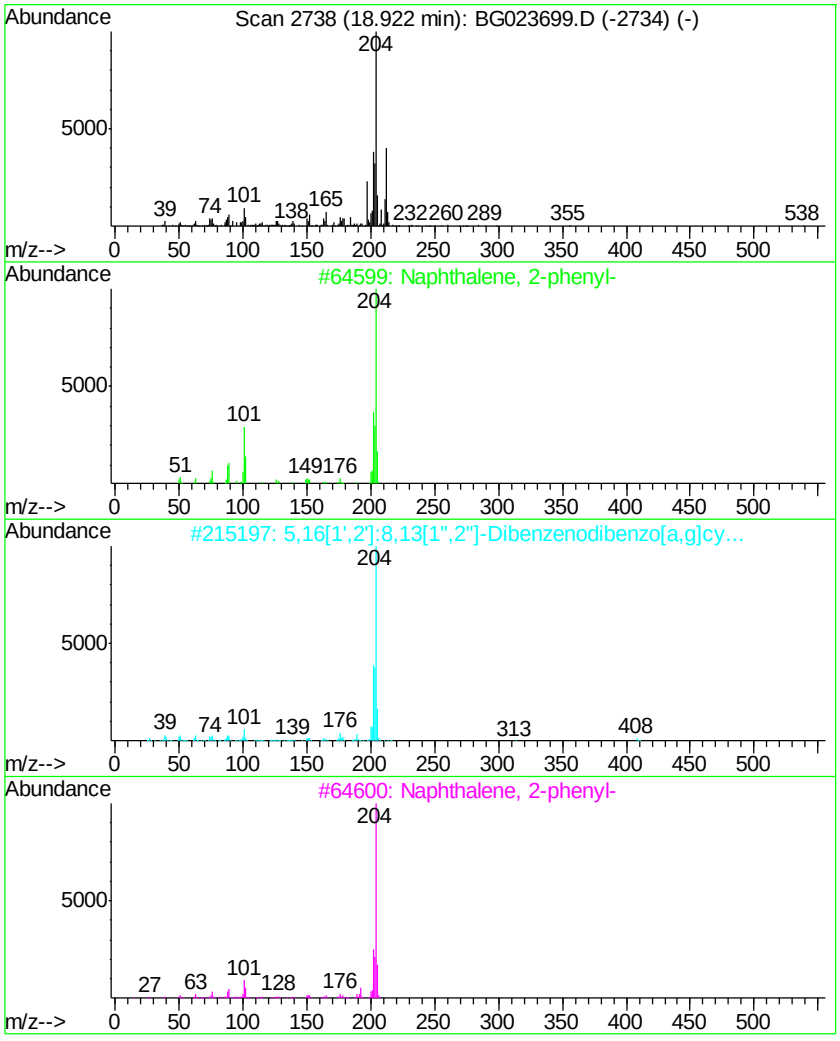
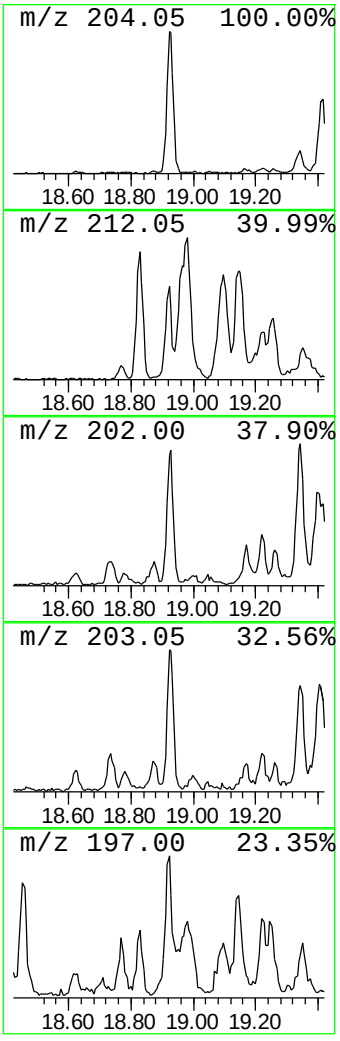
Peak Number 23 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	6.55 ng/ul	618537	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	50
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	49
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	45
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	45
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43





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Data File : BG023699.D
Acq On : 13 Aug 2016 22:15
Operator : UM/SJ
Sample : H4388-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

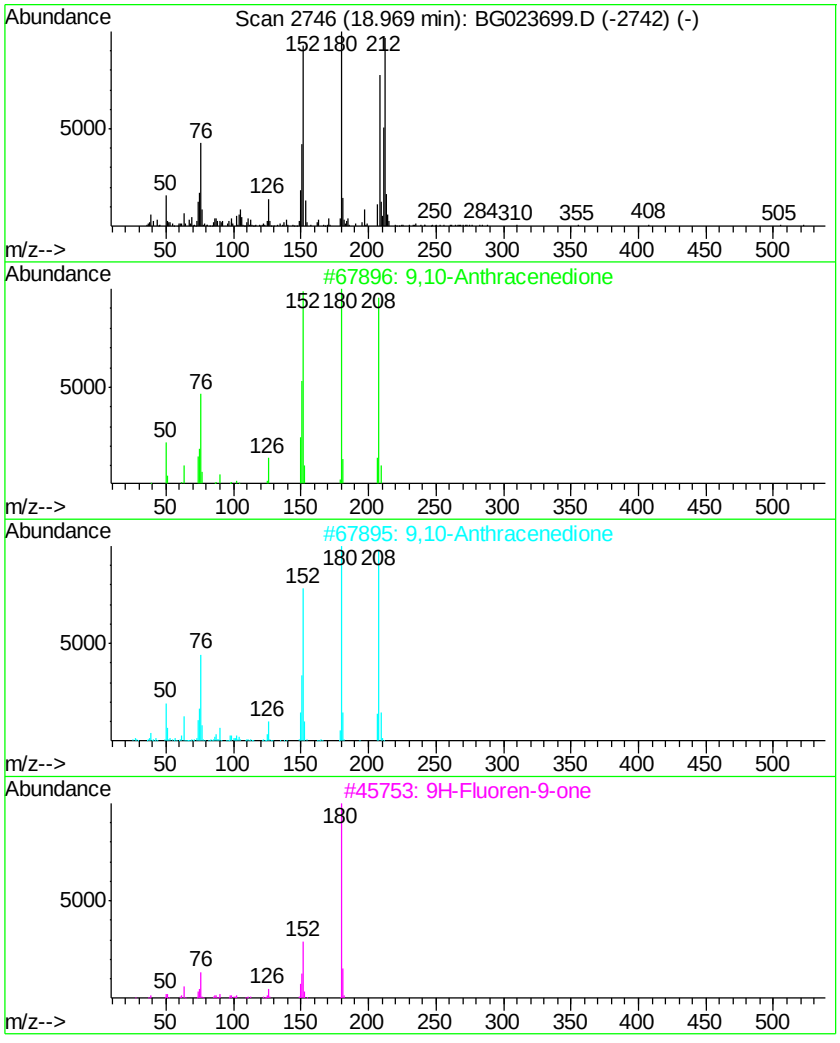
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

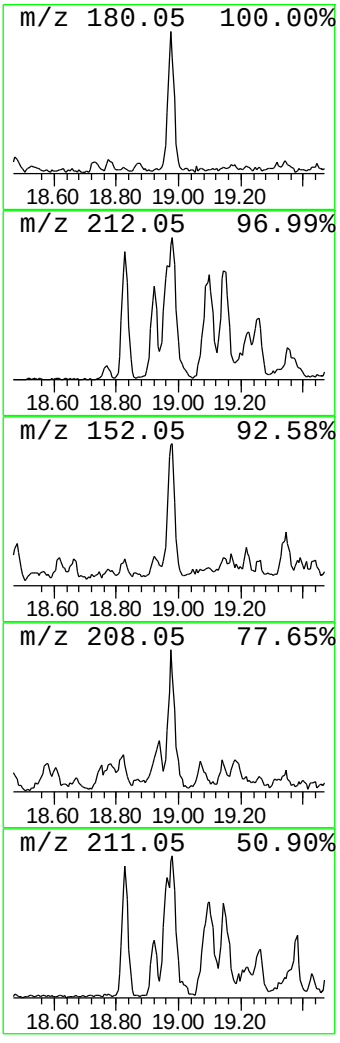
****

Peak Number 24 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	9.20 ng/ul	868498	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	87
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	66





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Operator : UM/SJ
Sample : H4388-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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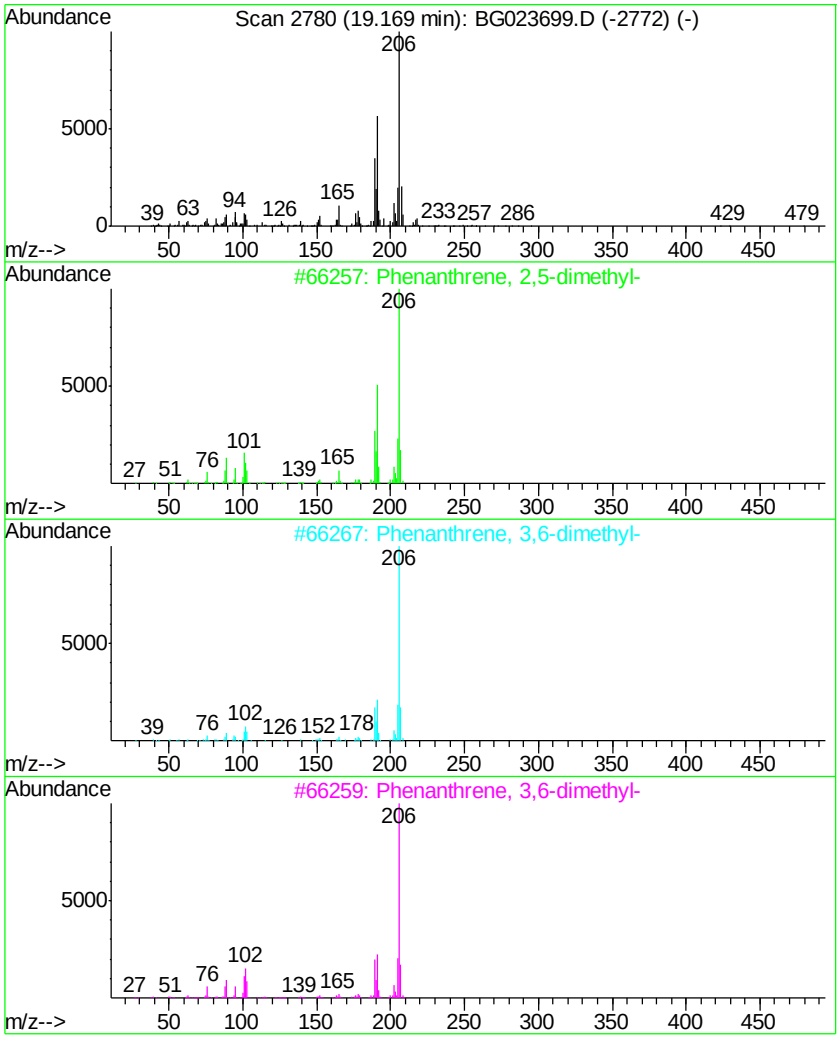
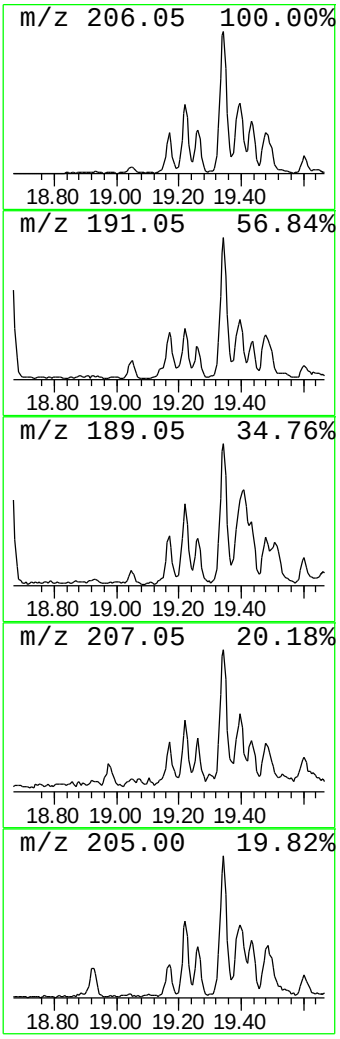
Peak Number 25 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.17	8.69 ng/ul	820652	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	81





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Acq On : 13 Aug 2016 22:15
Operator : UM/SJ
Sample : H4388-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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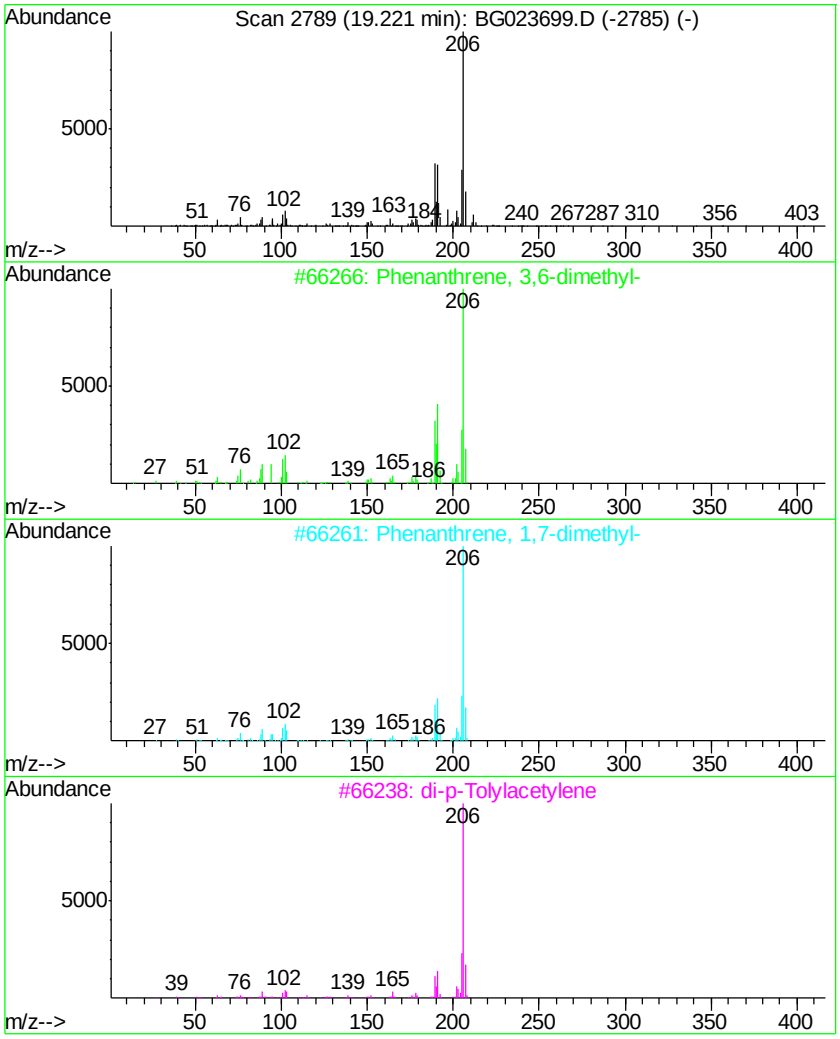
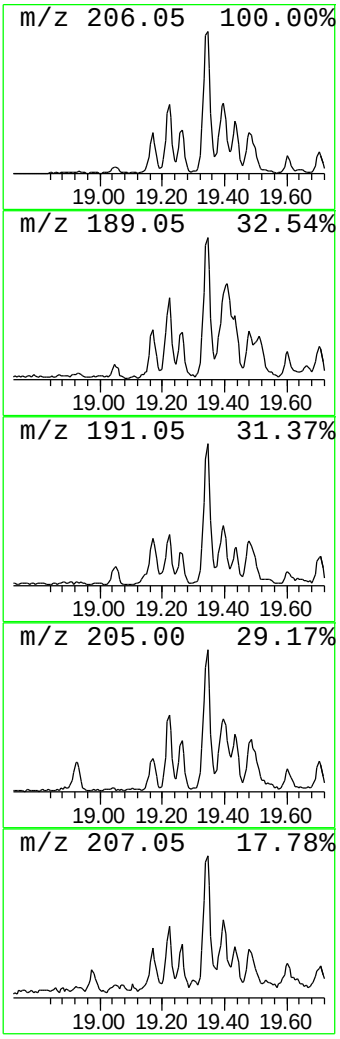
Peak Number 26 Phenanthrene, 3,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	6.51 ng/ul	614263	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





Library Search Compound Report

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Data File : BG023699.D
Acq On : 13 Aug 2016 22:15
Operator : UM/SJ
Sample : H4388-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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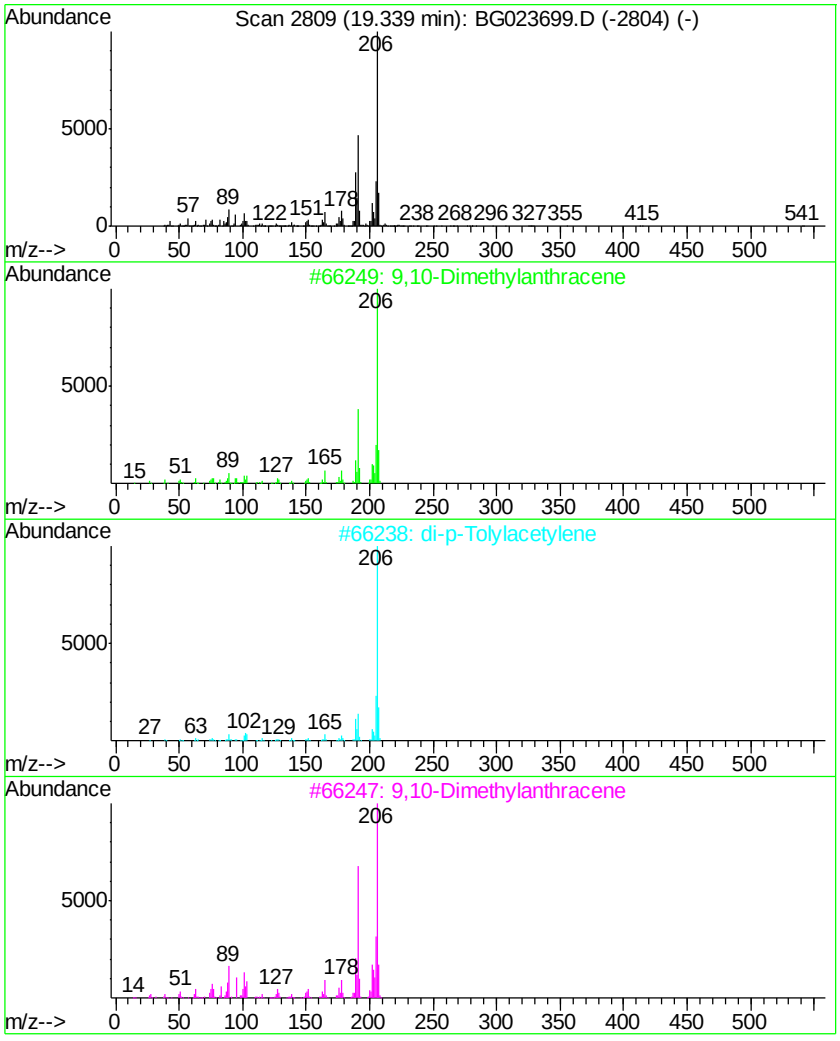
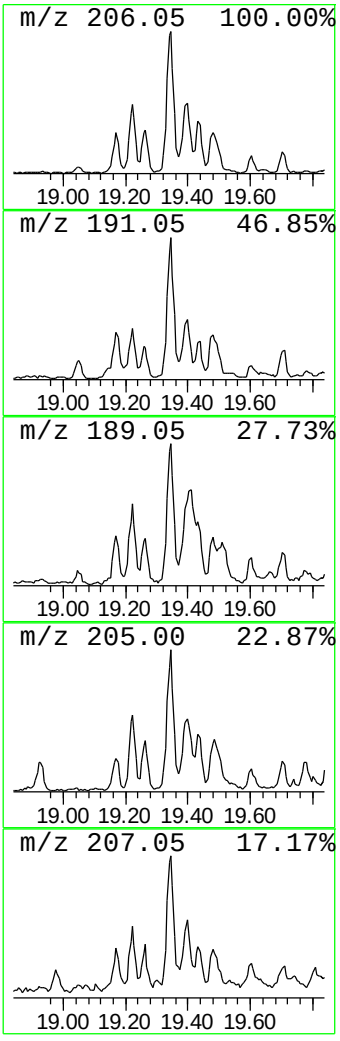
Peak Number 28 9,10-Dimethylanthracene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	20.88 ng/ul	1971260	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





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Operator : UM/SJ
Sample : H4388-01
Misc :
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Instrument : BNA_G
ClientSampleId : PR002-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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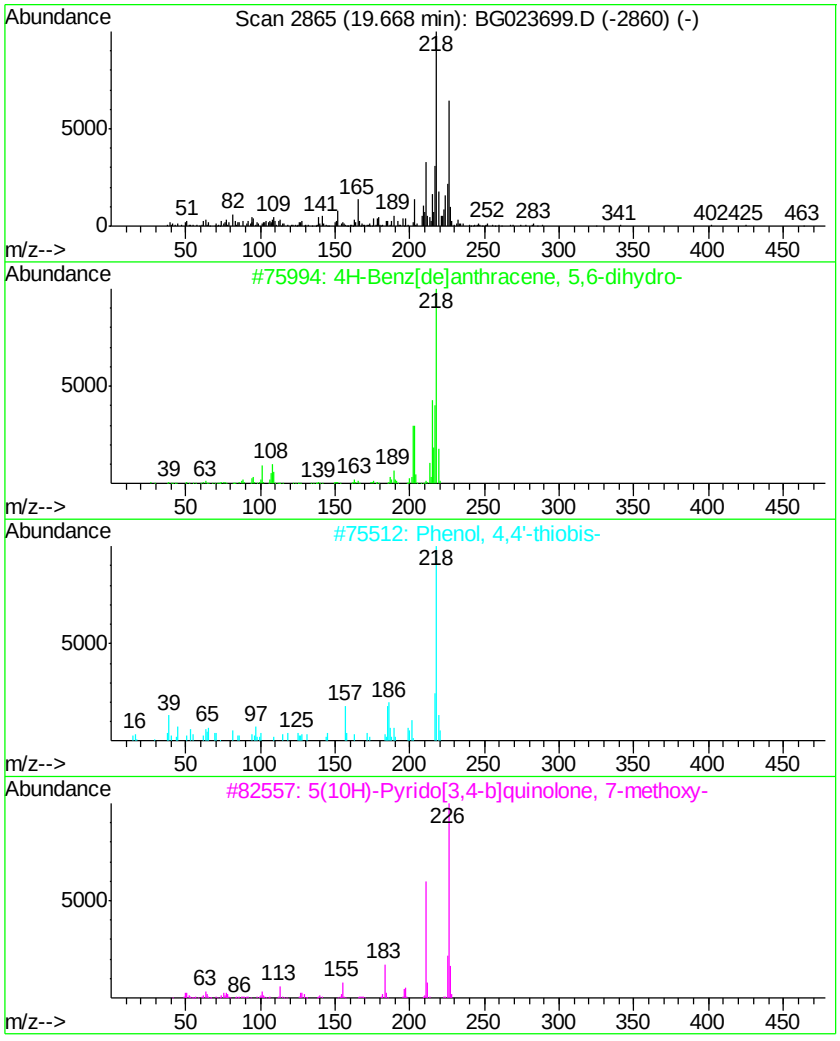
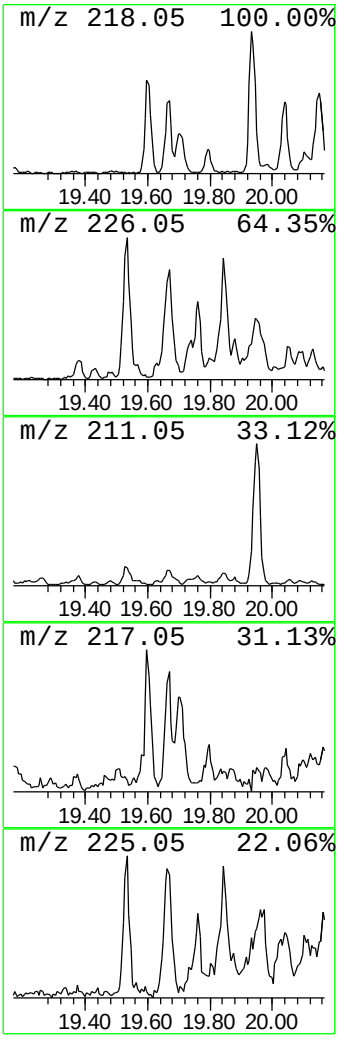
Peak Number 32 unknown-01 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.67	3.98 ng/ul	376038	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Benz[de]anthracene, 5,6-dihydro-	218	C17H14	004389-09-7	43
2	Phenol, 4,4'-thiobis-	218	C12H10O2S	002664-63-3	38
3	5(10H)-Pyrido[3,4-b]quinolone, 7...	226	C13H10N2O2	1000256-99-5	38
4	Acetonitrile, 2-(6-phenantridinyl)-	218	C15H10N2	051902-25-1	35
5	4H-Benzo[e]pyrido[1,2-a]benzimid...	218	C15H10N2	000239-25-8	35





Tentatively Identified Compound (LSC) summary

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Data File : BG023699.D
Acq On : 13 Aug 2016 22:15
Operator : UM/SJ
Sample : H4388-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR002-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.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
Naphthalene, 1,3-...	14.10	2.4	ng/ul	206325	3	14.79	1716160	20.0
Naphthalene, 2,3,...	15.17	3.0	ng/ul	254710	3	14.79	1716160	20.0
Naphthalene, 1,6,...	15.26	2.6	ng/ul	220896	3	14.79	1716160	20.0
(DEL) Alkane: Str...	15.61	2.8	ng/ul	236673	3	14.79	1716160	20.0
(DEL) Alkane: Str...	16.47	2.3	ng/ul	214368	4	17.55	1888130	20.0
1,4,5,8-Tetrameth...	16.51	2.9	ng/ul	271426	4	17.55	1888130	20.0
9H-Fluorene, 1-me...	16.84	3.3	ng/ul	309919	4	17.55	1888130	20.0
9H-Fluorene, 3-me...	16.90	2.0	ng/ul	192902	4	17.55	1888130	20.0
9H-Fluoren-9-one	17.21	2.3	ng/ul	218463	4	17.55	1888130	20.0
(DEL) Alkane: Str...	17.27	2.5	ng/ul	237398	4	17.55	1888130	20.0
Dibenzothiophene	17.37	2.5	ng/ul	237211	4	17.55	1888130	20.0
9H-Fluorene, 2,3-...	17.74	2.3	ng/ul	213038	4	17.55	1888130	20.0
4-Methylnaphtho[1...	18.13	5.5	ng/ul	514680	4	17.55	1888130	20.0
Dibenzothiophene,...	18.28	3.9	ng/ul	370999	4	17.55	1888130	20.0
Phenanthrene, 1-m...	18.43	19.1	ng/ul	1806250	4	17.55	1888130	20.0
Anthracene, 2-met...	18.48	16.8	ng/ul	1587900	4	17.55	1888130	20.0
1H-Cyclopropa[l]p...	18.56	2.7	ng/ul	251760	4	17.55	1888130	20.0
Anthracene, 1-met...	18.62	18.3	ng/ul	1725530	4	17.55	1888130	20.0
Phenanthrene, 2-m...	18.66	10.0	ng/ul	941666	4	17.55	1888130	20.0
3,7-Dimethyldiben...	18.82	2.7	ng/ul	259144	4	17.55	1888130	20.0
Naphthalene, 2-ph...	18.92	6.5	ng/ul	618537	4	17.55	1888130	20.0
9,10-Anthracenedione	18.97	9.2	ng/ul	868498	4	17.55	1888130	20.0
Phenanthrene, 2,5...	19.17	8.7	ng/ul	820652	4	17.55	1888130	20.0
Phenanthrene, 3,6...	19.22	6.5	ng/ul	614263	4	17.55	1888130	20.0
9,10-Dimethylanth...	19.34	20.9	ng/ul	1971260	4	17.55	1888130	20.0
unknown-01	19.67	4.0	ng/ul	376038	4	17.55	1888130	20.0