LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

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-BG121415.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	3.179	54	58	65	rVV	39475	58145	0.93%	0.157%
2	7.244	744	750	762	rBB	37261	65368	1.05%	0.177%
3	7.403	771	777	785	rBV	33078	54070	0.87%	0.146%
4	7.615	805	813	821	rBB	39821	66809	1.07%	0.181%
5	8.085	887	893	900	rBB	64780	107607	1.73%	0.291%
6	8.790	1007	1013	1025	rVB	54587	93789	1.51%	0.254%
7	9.248	1085	1091	1101	rBB	42942	77706	1.25%	0.210%
8	9.977	1209	1215	1224	rBB	39235	70095	1.13%	0.190%
9	10.523	1300	1308	1316	rBV	64766	114010	1.83%	0.309%
10	10.899	1364	1372	1376	rBV	99895	187743	3.02%	0.508%
11	10.958	1376	1382	1389	rVB	639923	1140739	18.34%	3.087%
12	11.034	1389	1395	1400	rBV	41757	78960	1.27%	0.214%
13	12.550	1646	1653	1661	rBV	509701	834706	13.42%	2.259%
14	12.767	1679	1690	1699	rVB	254100	428278	6.88%	1.159%
15	13.549	1816	1823	1830	rBV	209641	320723	5.16%	0.868%
16	13.749	1850	1857	1867	rVB	71423	131010	2.11%	0.355%
17	13.878	1870	1879	1880	rBV	86236	118650	1.91%	0.321%
18	14.037	1897	1906	1911	rBV	128971	236065	3.79%	0.639%
19	14.095	1911	1916	1917	rVV	91148	140974	2.27%	0.381%
20	14.119	1917	1920	1924	rVV	160765	217408	3.49%	0.588%
21	14.166	1924	1928	1933	rVB	37076	52202	0.84%	0.141%
22	14.272	1934	1946	1950	rBV	54292	91691	1.47%	0.248%
23	14.413	1963	1970	1973	rBV	157642	264930	4.26%	0.717%
24	14.683	2011	2016	2019	rBV	90872	146889	2.36%	0.397%
25	14.718	2019	2022	2027	rVV2	195858	293452	4.72%	0.794%
26	14.789	2027	2034	2040	rVV	1251011	1955757	31.44%	5.292%
27	14.847	2040	2044	2050	rVV	48955	72038	1.16%	0.195%
28	14.918	2050	2056	2066	rVV2	52041	99695	1.60%	0.270%
29	15.024	2066	2074	2079	rVV2	48045	82483	1.33%	0.223%
30	15.118	2083	2090	2097	rVV	823209	1310907	21.07%	3.547%
31	15.182	2097	2101	2111	rVB	28675	47852	0.77%	0.129%
32	15.499	2147	2155	2158	rBV2	22304	45133	0.73%	0.122%
33	15.705	2180	2190	2195	rVV	209185	372682	5.99%	1.008%
34	15.770	2195	2201	2208	rVV	1187322	1836258	29.52%	4.969%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

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-BG121415.M
Title : SVOA CALIBRATION

35	15.858	2208	2216	2218	rVV2	54171	129020	2.07%	0.349%
36	15.887	2218	2221	2224	rVV	83758	131418	2.11%	0.356%
37	15.923	2224	2227	2232	rVV3	147383	232086	3.73%	0.628%
38	15.970	2232	2235	2239	rVV	33670	62714	1.01%	0.170%
39	16.011	2239	2242	2245	rVV2	76084	112841	1.81%	0.305%
40	16.052	2245	2249	2258	rVB	164622	255675	4.11%	0.692%
41	16.199	2263	2274	2282	rBV	178023	384926	6.19%	1.042%
42	16.293	2286	2290	2296	rVB	32208	49007	0.79%	0.133%
43	16.551	2330	2334	2341	rVB	81537	121046	1.95%	0.328%
44	16.763	2359	2370	2375	rBV2	139440	313036	5.03%	0.847%
45	16.810	2375	2378	2384	rVB2	45067	66691	1.07%	0.180%
46	16.915	2390	2396	2401	rVB4	56382	102797	1.65%	0.278%
47	16.986	2401	2408	2412	rBV2	53080	127144	2.04%	0.344%
48	17.027	2412	2415	2419	rVB3	42852	54127	0.87%	0.146%
49	17.115	2426	2430	2437	rVB5	24337	49175	0.79%	0.133%
50	17.192	2437	2443	2451	rBV3	74859	194049	3.12%	0.525%
51	17.280	2453	2458	2468	rVB	289878	462360	7.43%	1.251%
52	17.468	2483	2490	2492	rVV	233908	378037	6.08%	1.023%
53	17.527	2492	2500	2504	rVV	3389011	6220669	100.00%	16.833%
54	17.568	2504	2507	2510	rVV2	321522	489156	7.86%	1.324%
55	17.603	2510	2513	2518	rVV	375441	535348	8.61%	1.449%
56	17.650	2518	2521	2526	rVV2	38247	75093	1.21%	0.203%
57	17.867	2546	2558	2566	rVV	189420	380397	6.12%	1.029%
58	17.979	2573	2577	2584	rVV2	75962	121314	1.95%	0.328%
59	18.044	2584	2588	2597	rVB4	33168	67792	1.09%	0.183%
60	18.185	2608	2612	2620	rVB	28111	54787	0.88%	0.148%
61	18.337	2633	2638	2642	rBV	279955	406519	6.53%	1.100%
62	18.384	2642	2646	2652	rVB	365340	549927	8.84%	1.488%
63	18.467	2652	2660	2665	rBV	118639	195138	3.14%	0.528%
64	18.537	2665	2672	2676	rBV2	524450	926910	14.90%	2.508%
65	18.831	2716	2722	2727	rVV	226650	330010	5.31%	0.893%
66	19.072	2759	2763	2768	rVB3	46335	59710	0.96%	0.162%
67	19.242	2786	2792	2798	rBV2	67547	132035	2.12%	0.357%
68	19.313	2798	2804	2807	rBV3	32821	51207	0.82%	0.139%
69	19.389	2812	2817	2825	rVB4	22821	58121	0.93%	0.157%
70	19.518	2831	2839	2845	rBV	2106197	3279191	52.71%	8.873%
71	19.753	2873	2879	2888	rVB2	72330	141071	2.27%	0.382%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

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-BG121415.M
Title : SVOA CALIBRATION

72	19.847	2888	2895	2897	rBV3	606470	1014655	16.31%	2.746%
73	19.877	2897	2900	2907	rVB	1329394	2004806	32.23%	5.425%
74	19.941	2907	2911	2918	rVB2	71763	113105	1.82%	0.306%
75	20.047	2918	2929	2935	rBV	90602	148653	2.39%	0.402%
76	20.106	2935	2939	2947	rVB	28282	48978	0.79%	0.133%
77	20.188	2947	2953	2955	rBV	74757	140574	2.26%	0.380%
78	20.364	2969	2983	2987	rBV	233353	446245	7.17%	1.208%
79	20.458	2993	2999	3003	rBV	281208	398380	6.40%	1.078%
80	20.517	3003	3009	3013	rVV2	66853	128462	2.07%	0.348%
81	20.552	3013	3015	3019	rVB	44174	52528	0.84%	0.142%
82	20.658	3029	3033	3036	rBV	37034	50177	0.81%	0.136%
83	20.887	3067	3072	3075	rBV	33428	47536	0.76%	0.129%
84	21.075	3099	3104	3109	rVV3	30078	57076	0.92%	0.154%
85	21.310	3136	3144	3148	rBV	77062	135359	2.18%	0.366%
86	21.351	3148	3151	3156	rVV	73982	119026	1.91%	0.322%
87	21.410	3156	3161	3165	rVV2	65979	128731	2.07%	0.348%
88	21.598	3183	3193	3200	rBV2	26182	64650	1.04%	0.175%
89	21.722	3202	3214	3221	rVV3	429709	1164061	18.71%	3.150%
90	21.786	3221	3225	3237	rVB	285879	481672	7.74%	1.303%
91	21.939	3245	3251	3259	rVB	68946	112692	1.81%	0.305%
92	22.151	3280	3287	3295	rVV2	35913	76975	1.24%	0.208%
93	22.474	3334	3342	3348	rVV2	34008	81803	1.32%	0.221%
94	22.797	3393	3397	3405	rVB4	25454	53598	0.86%	0.145%
95	23.960	3586	3595	3603	rBV2	83481	285824	4.59%	0.773%
96	24.695	3712	3720	3726	rBV2	35182	98315	1.58%	0.266%
97	24.777	3726	3734	3741	rVV	126122	358406	5.76%	0.970%
98	24.841	3741	3745	3760	rVB2	56502	152101	2.45%	0.412%
99	25.000	3762	3772	3782	rBV	146490	426087	6.85%	1.153%
100	28.943	4433	4443	4457	rVB5	11810	49442	0.79%	0.134%

Sum of corrected areas: 36955285

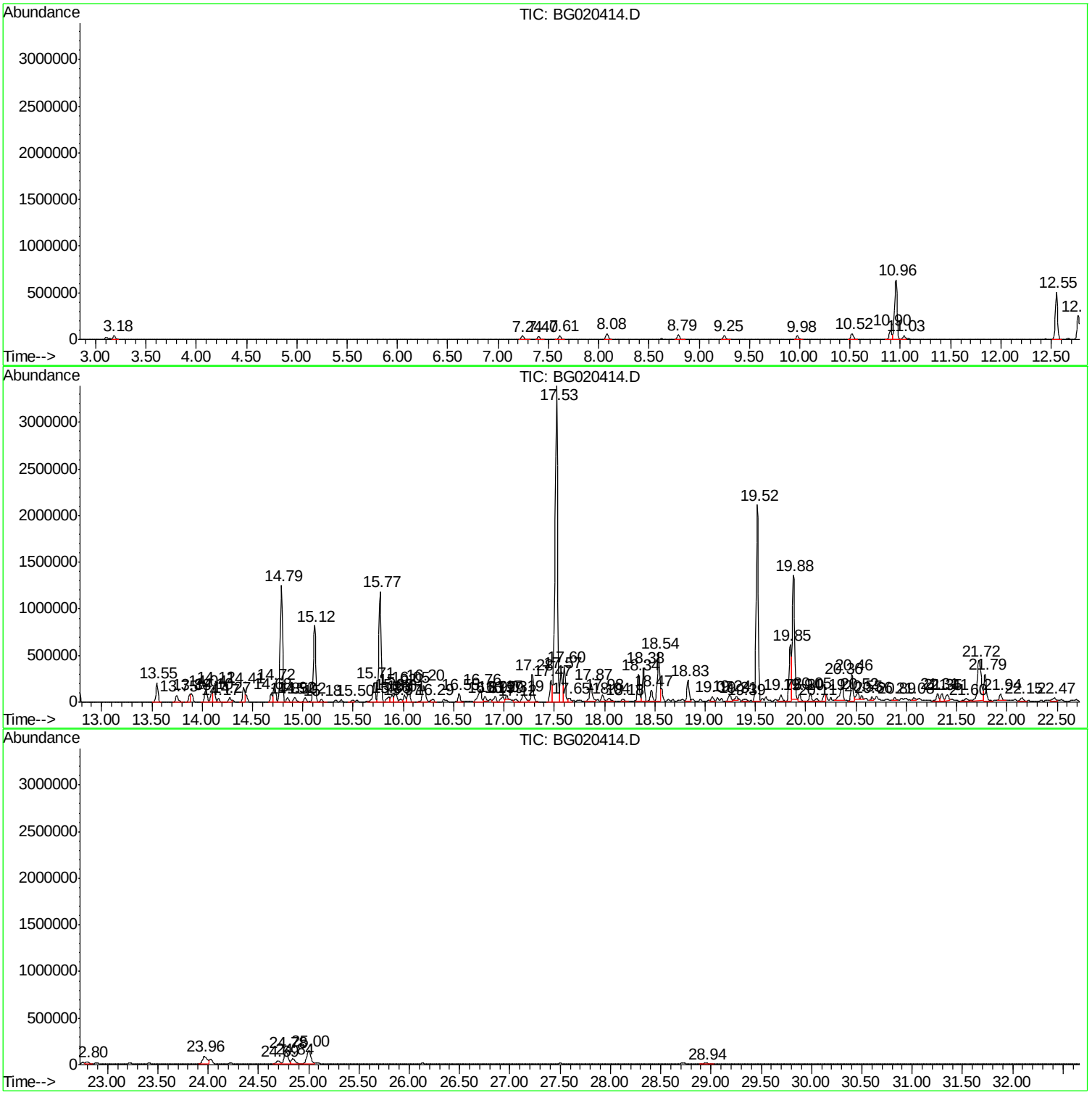
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

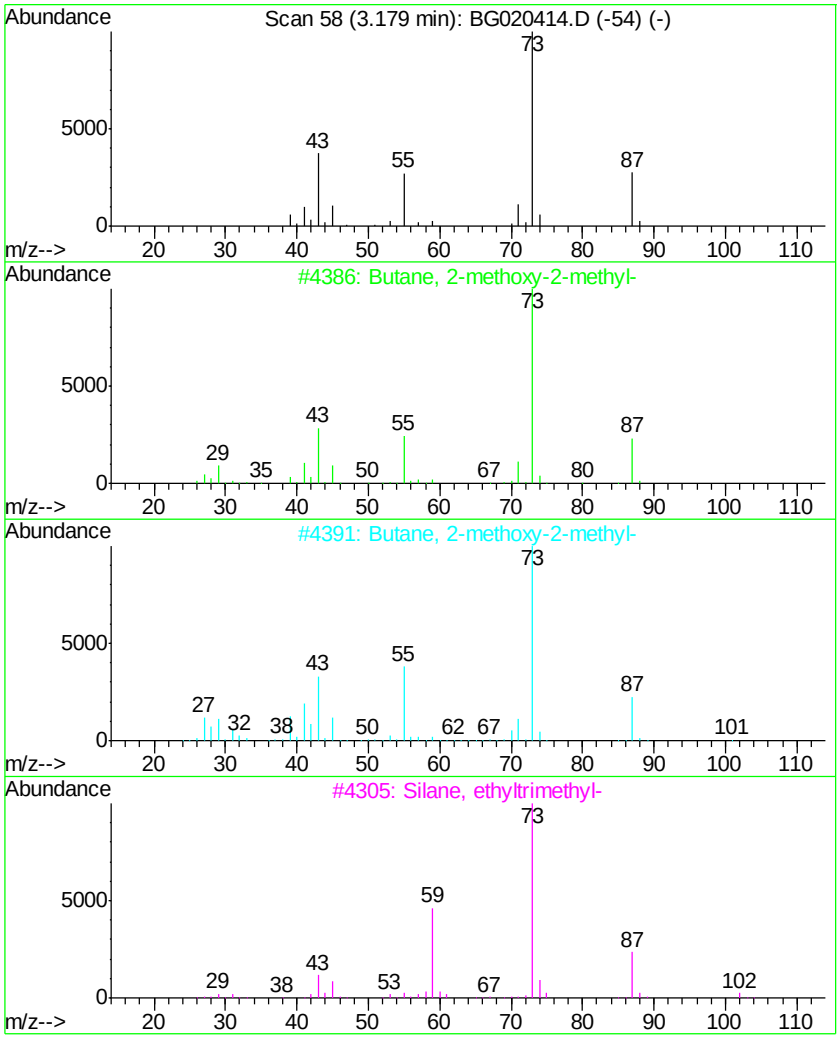
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

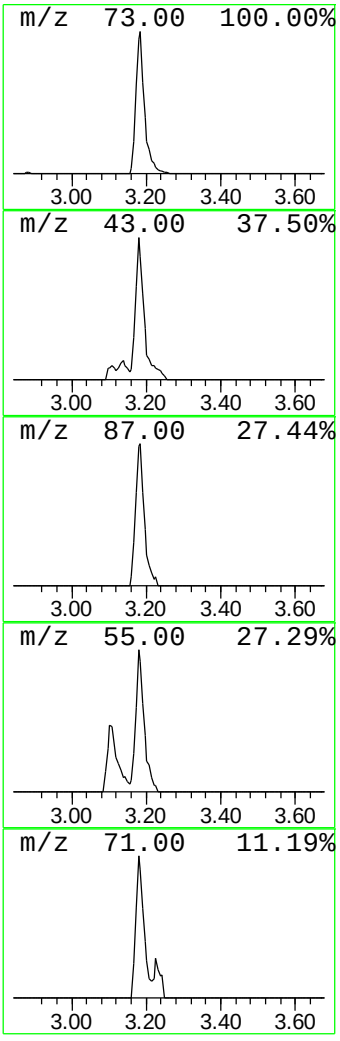
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.18	10.81 ng/ul	58145	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
3	Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	36
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	23
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

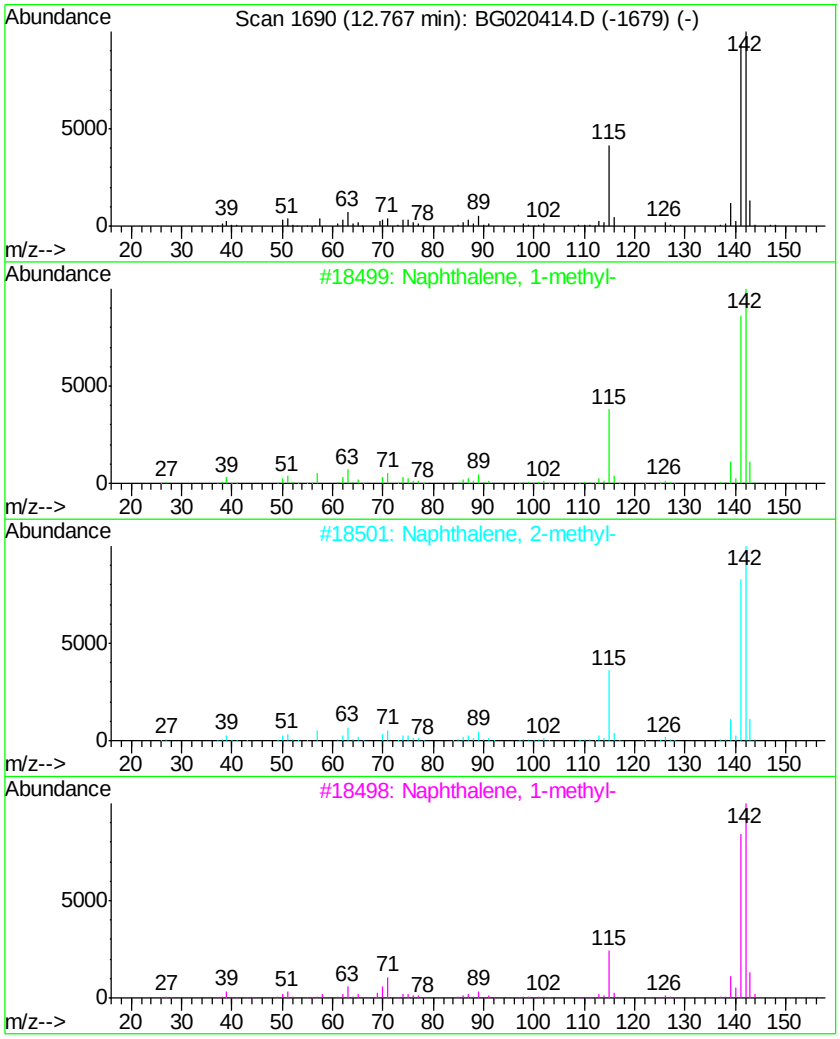
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

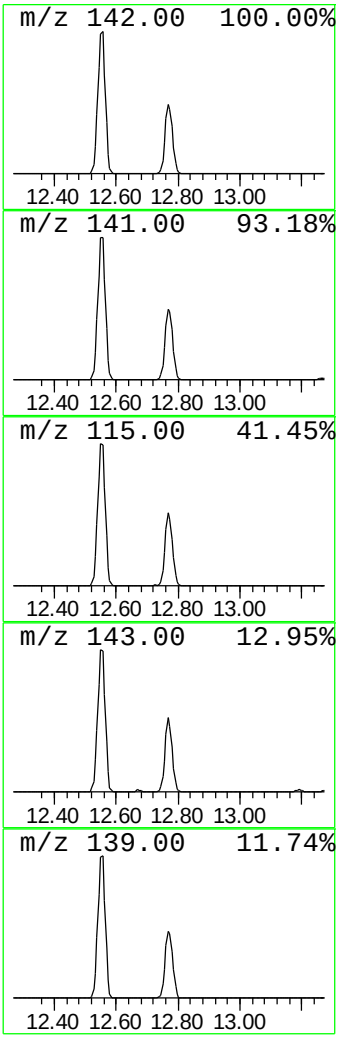
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	45.62 ng/ul	428278	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

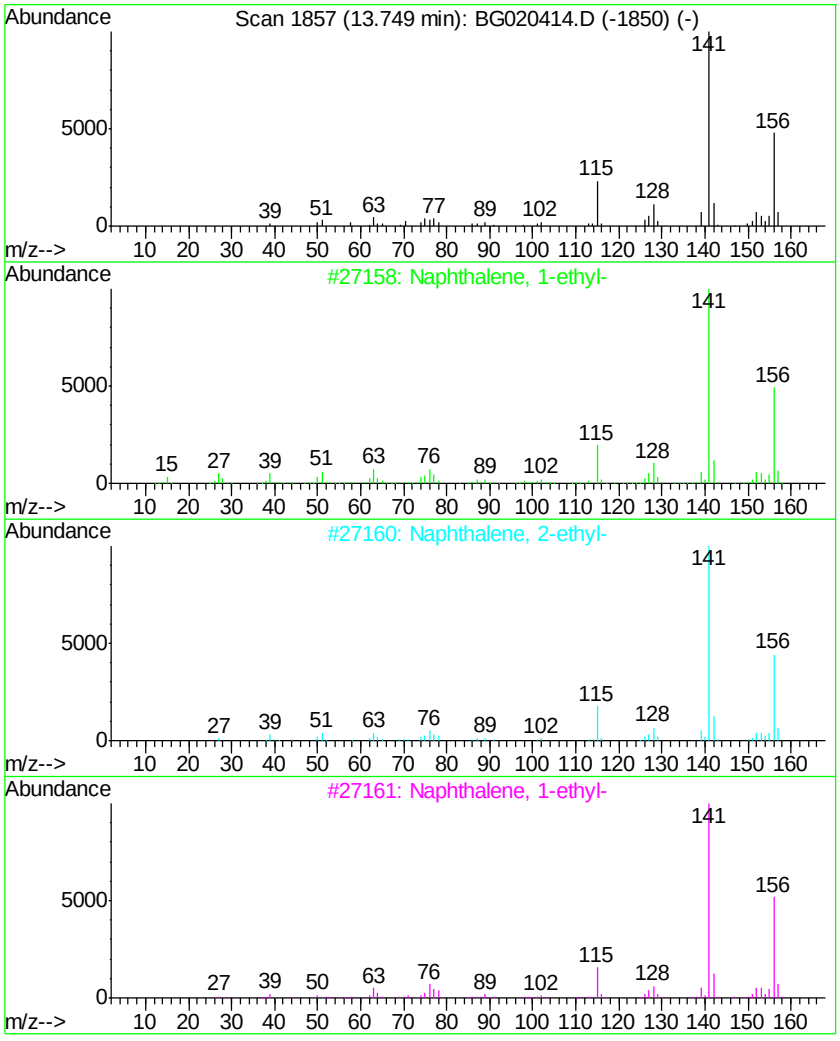
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

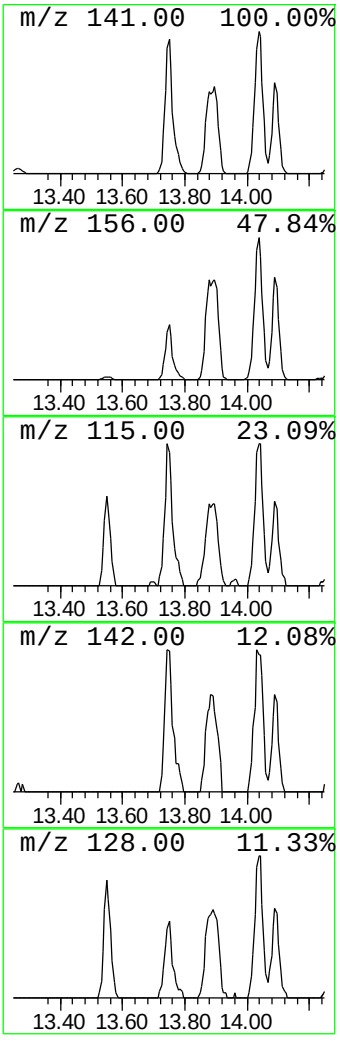
****

Peak Number 3 Naphthalene, 1-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	8.93 ng/ul	131010	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

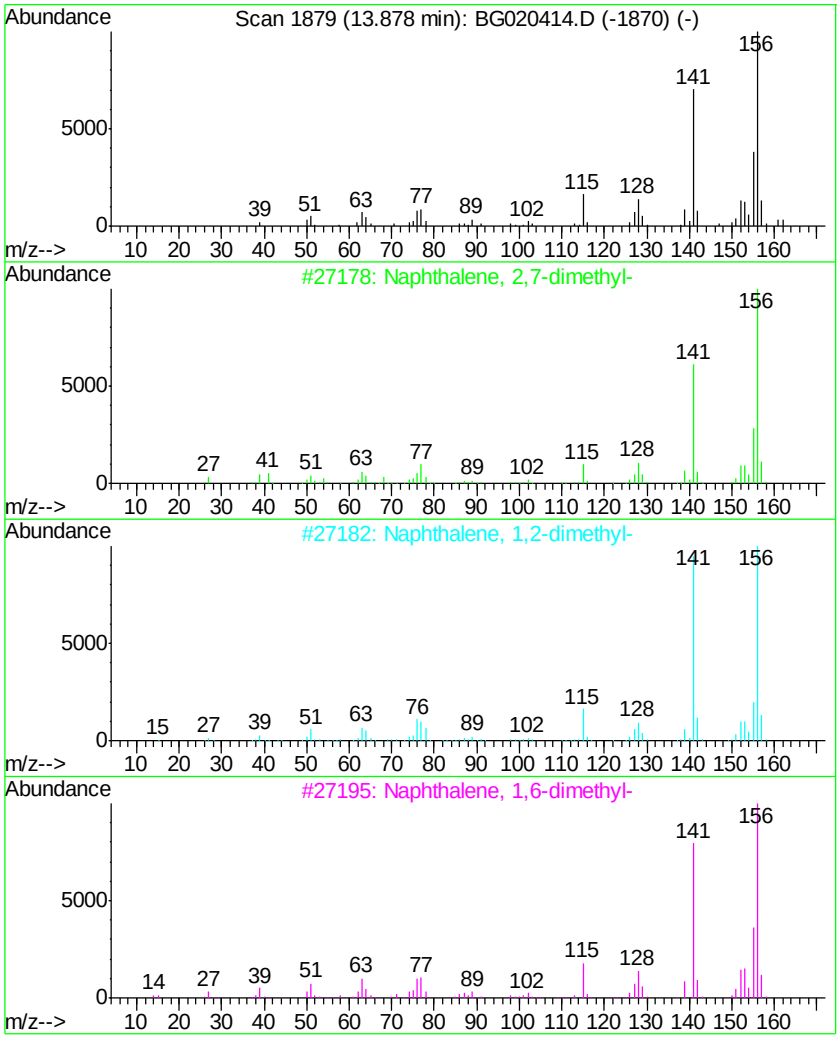
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

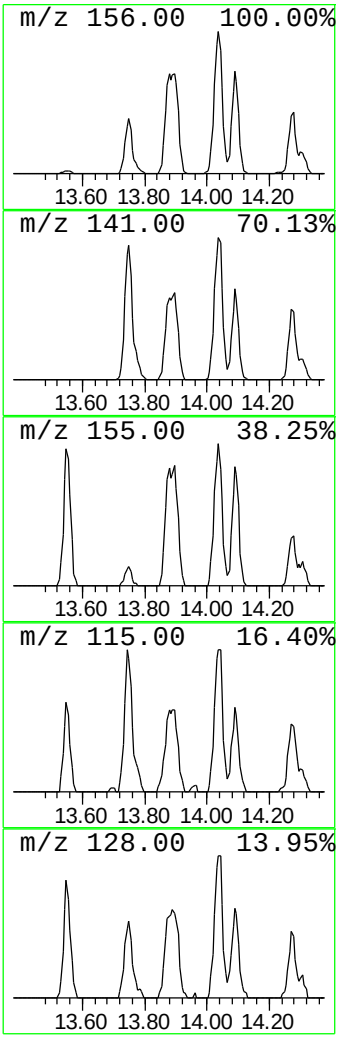
****

Peak Number 4 Naphthalene, 2,7-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	8.09 ng/ul	118650	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

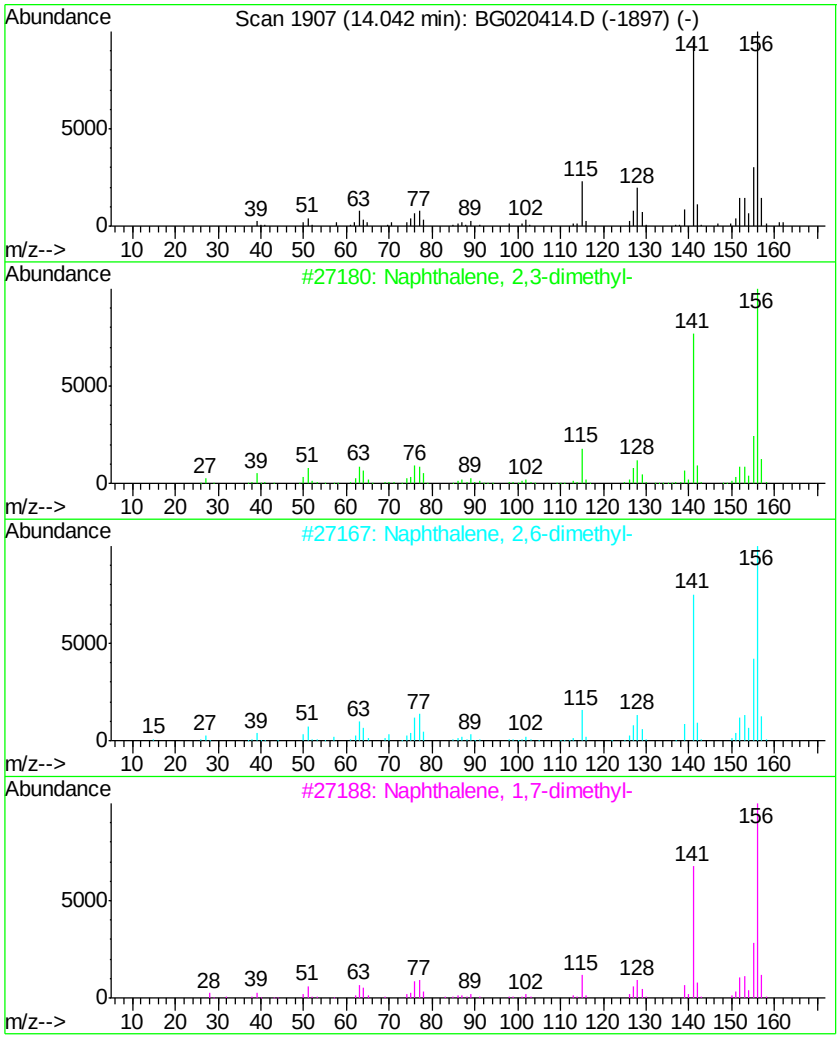
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

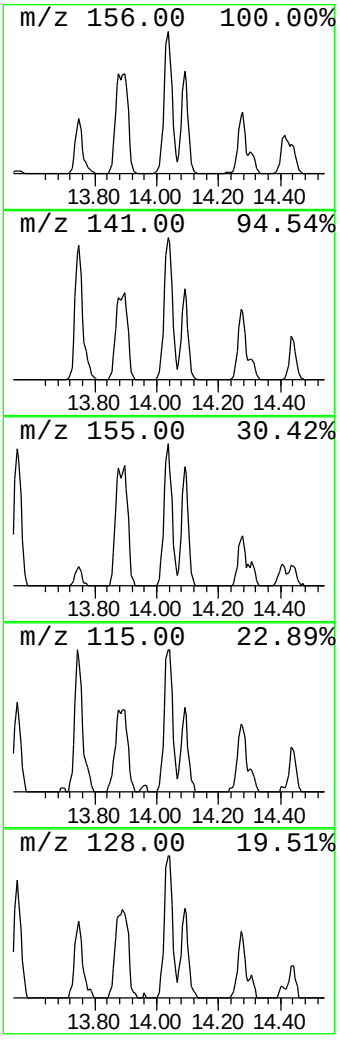
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	16.09 ng/ul	236065	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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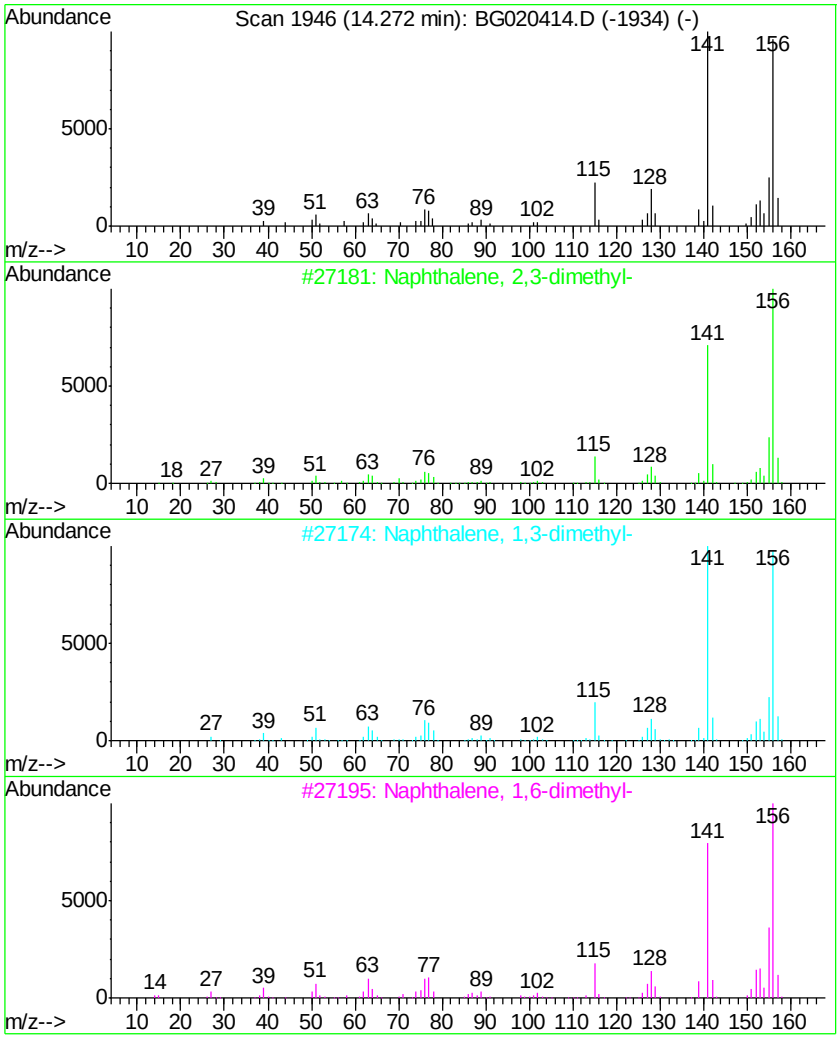
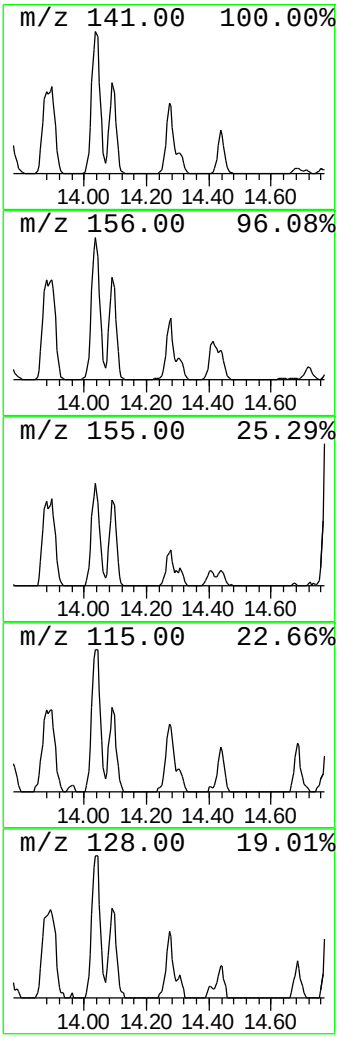
Peak Number 6 Naphthalene, 1,3-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	6.25 ng/ul	91691	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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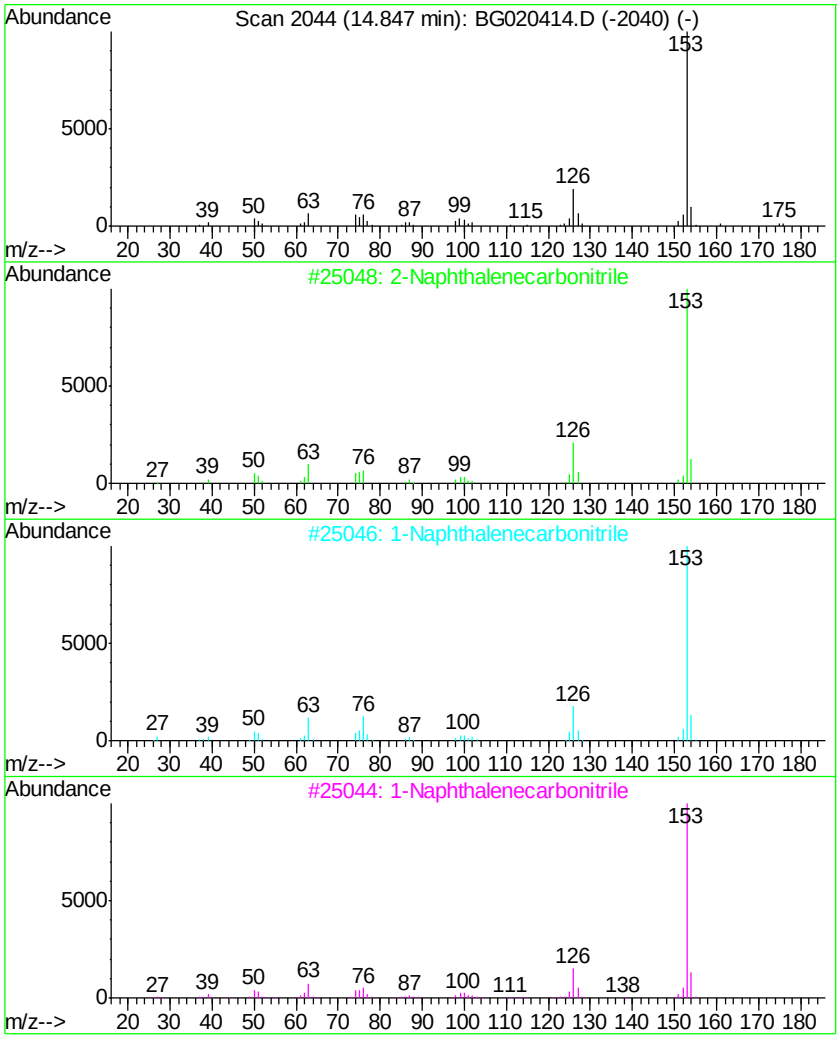
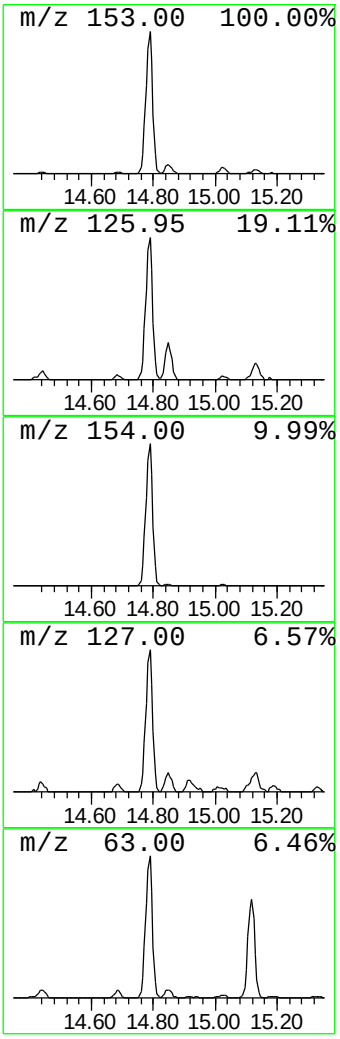
Peak Number 7 2-Naphthalenecarbonitrile Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	4.91 ng/ul	72038	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	97
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
3	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	90
4	Naphthalene, 1-isocyano-	153	C11H7N	001984-04-9	90
5	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

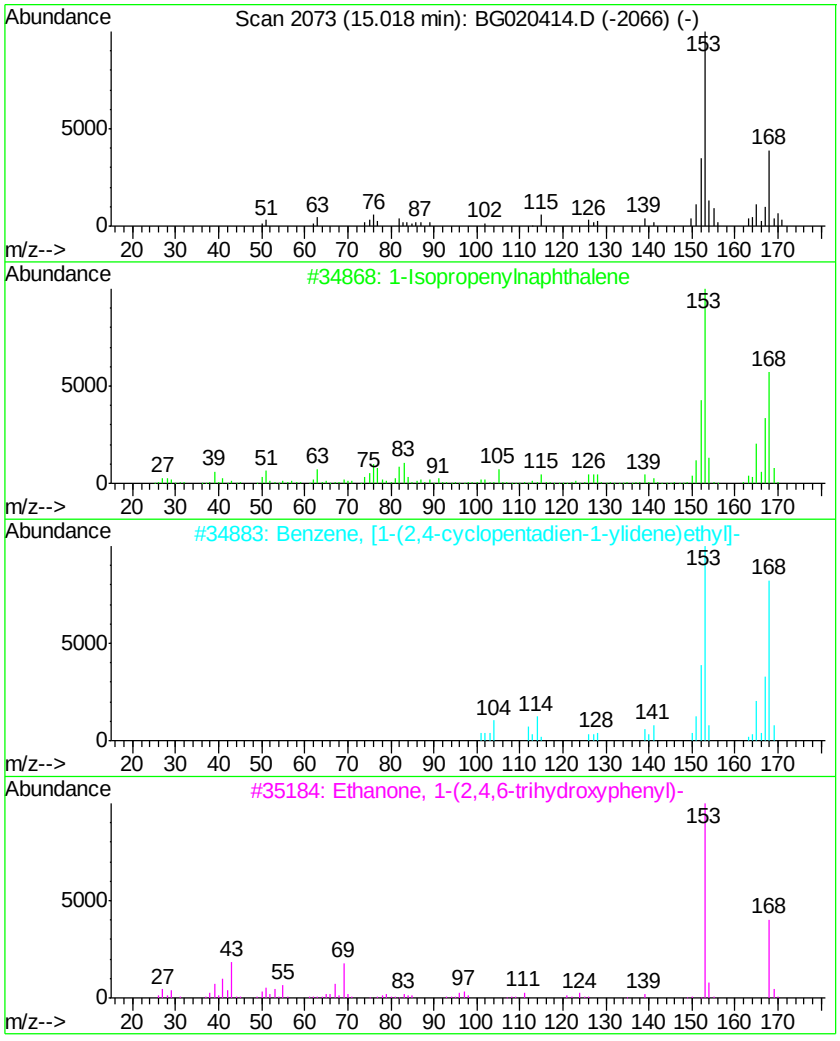
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

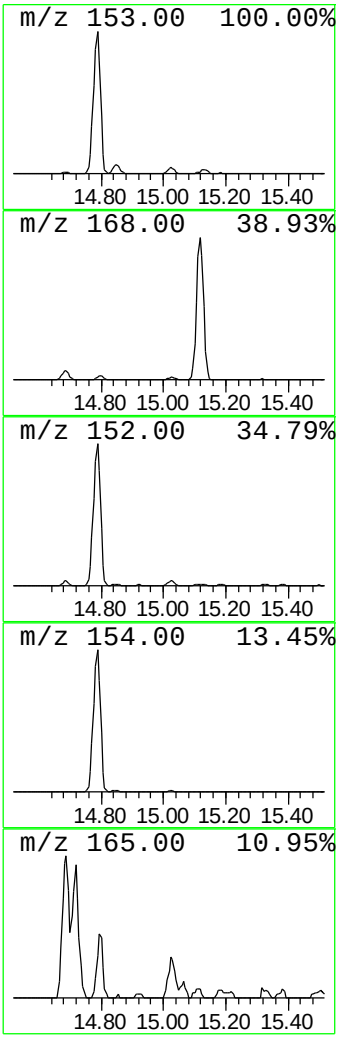
****

Peak Number 8 1-Isopropenylnaphthalene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	5.62 ng/ul	82483	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	90
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	78
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	52
4	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	50
5	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	50





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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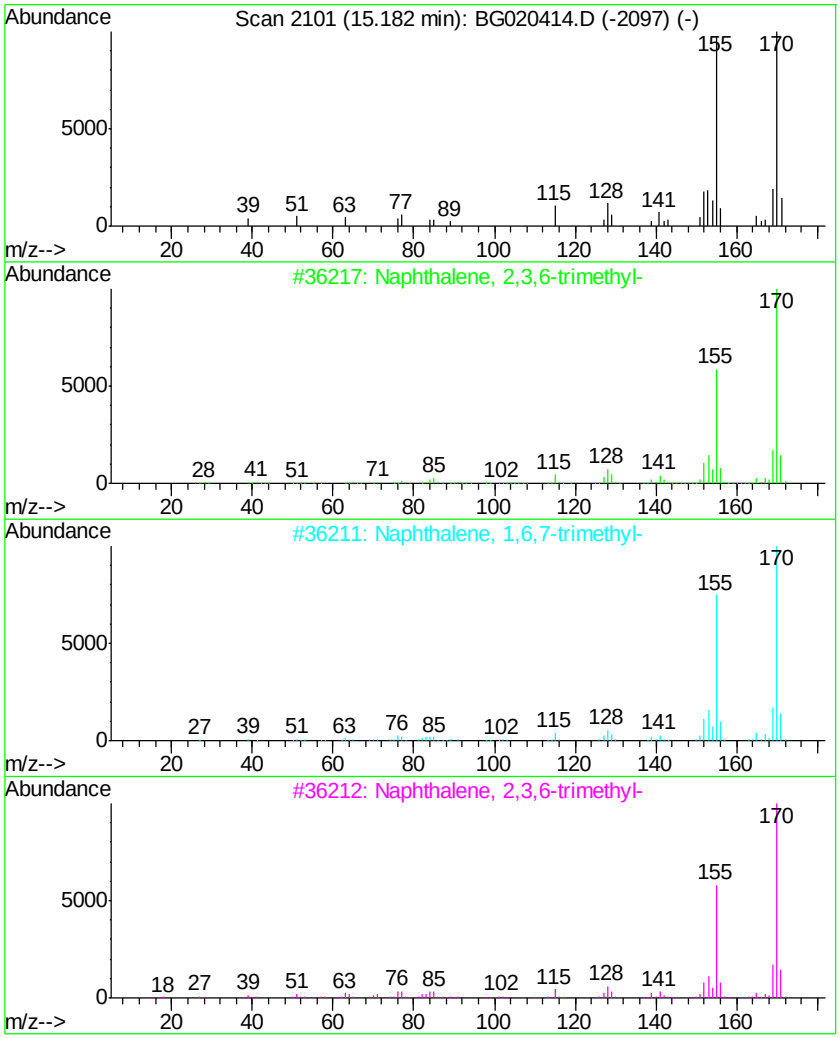
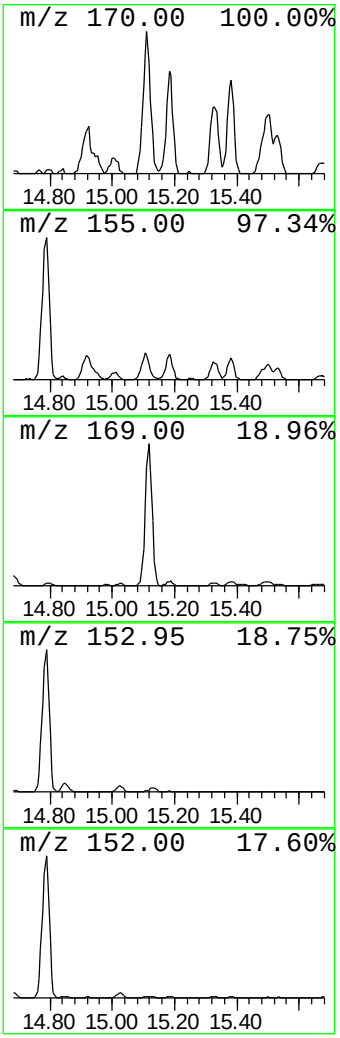
Peak Number 9 Naphthalene, 2,3,6-trimethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	3.26 ng/ul	47852	Acenaphthene-d10	14.72

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	94
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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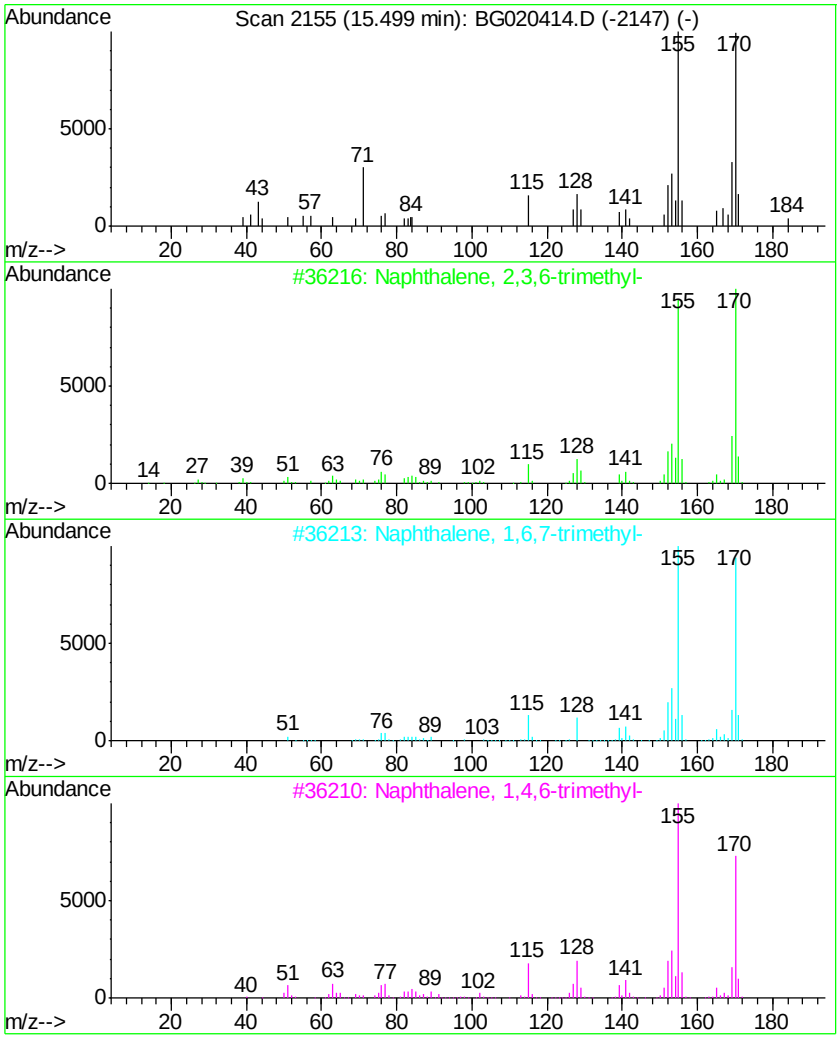
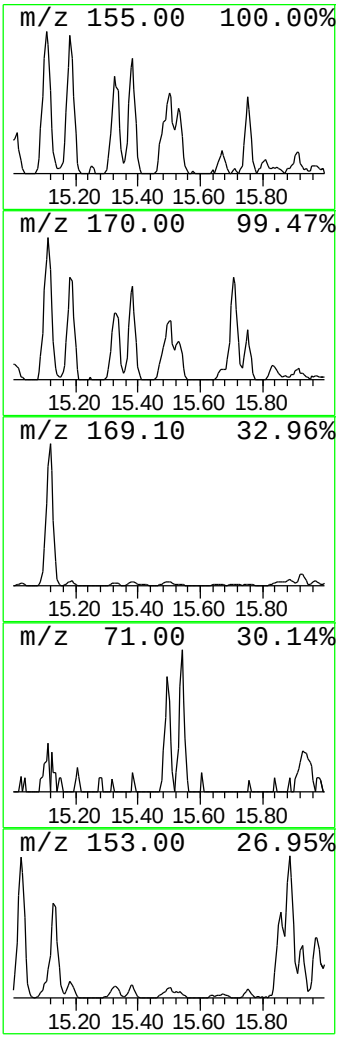
Peak Number 10 Naphthalene, 1,6,7-trimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.50	3.08 ng/ul	45133	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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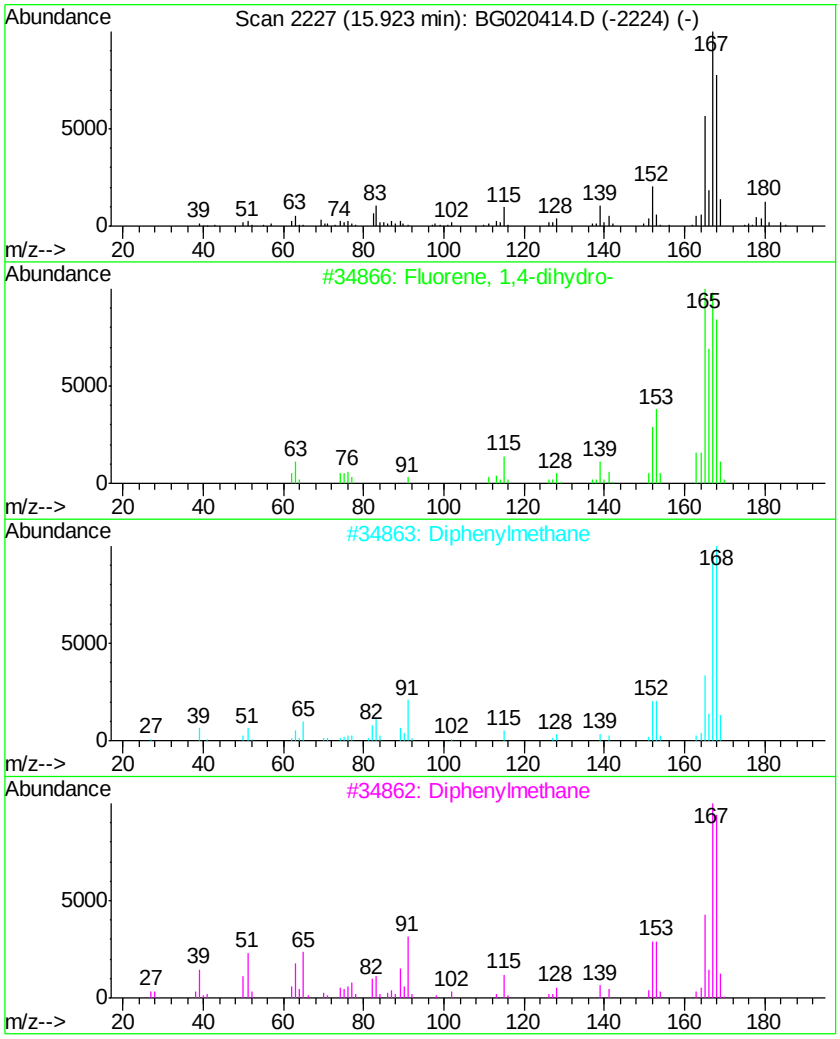
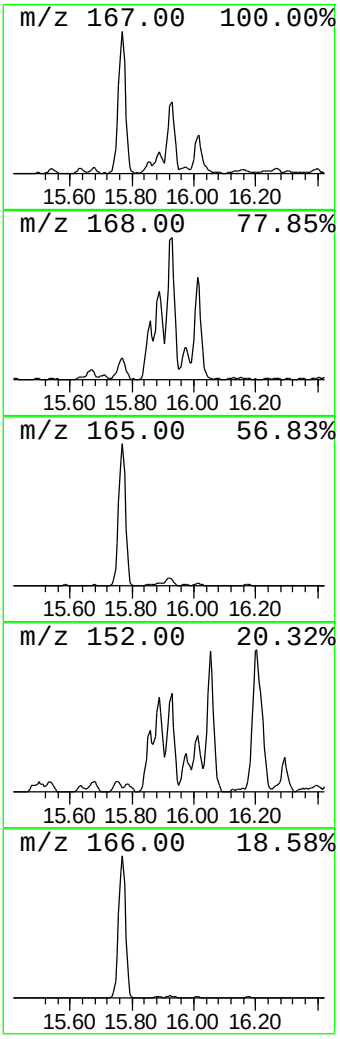
Peak Number 12 Fluorene, 1,4-dihydro- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	15.82 ng/ul	232086	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	76
2	Diphenylmethane	168	C13H12	000101-81-5	64
3	Diphenylmethane	168	C13H12	000101-81-5	64
4	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	59
5	Diphenylmethane	168	C13H12	000101-81-5	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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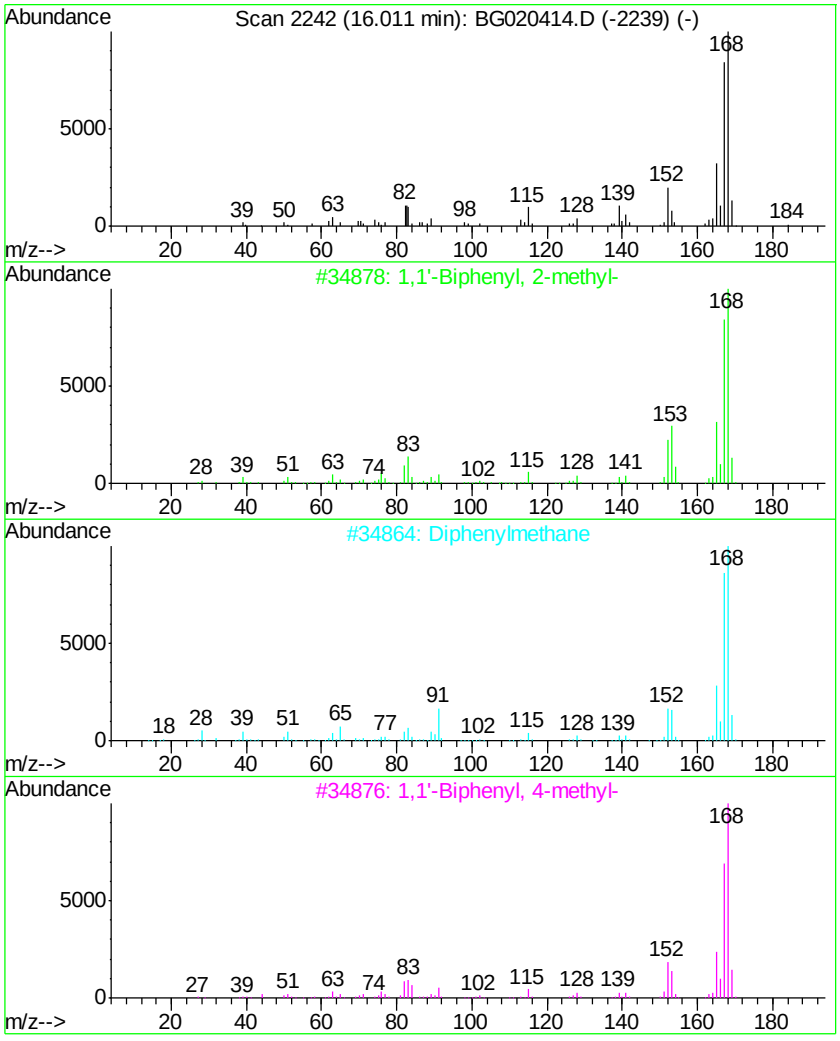
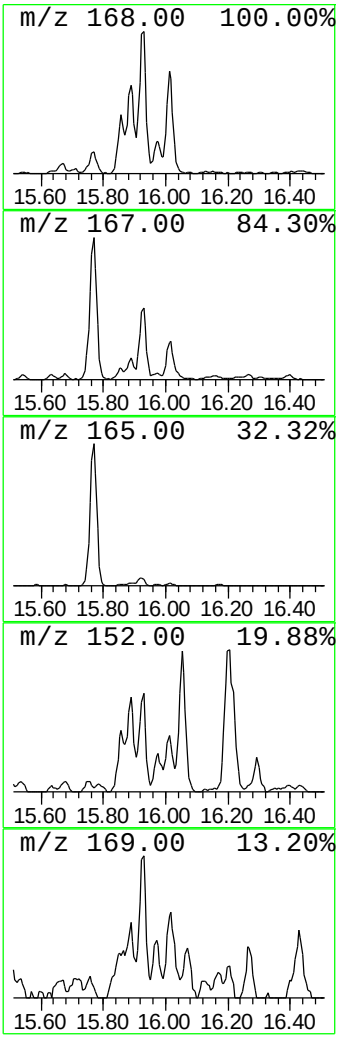
Peak Number 14 1,1'-Biphenyl, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	7.69 ng/ul	112841	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	81
2	Diphenylmethane	168	C13H12	000101-81-5	81
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	81
4	Diphenylmethane	168	C13H12	000101-81-5	72
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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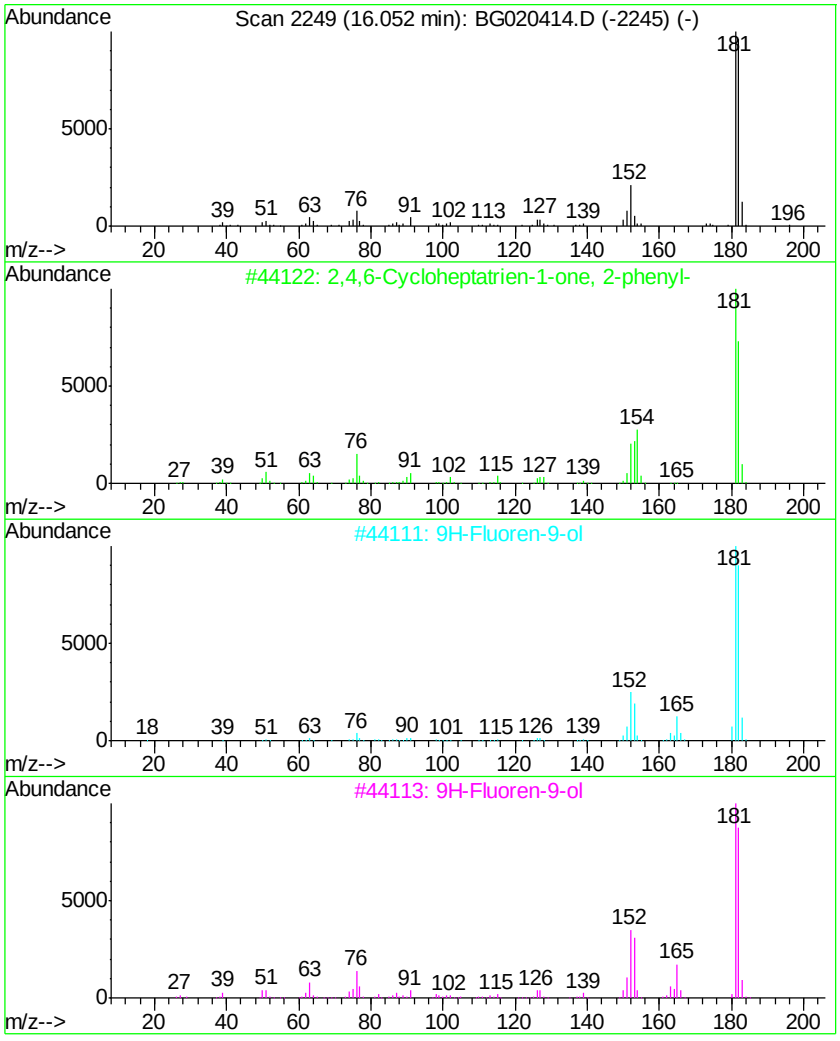
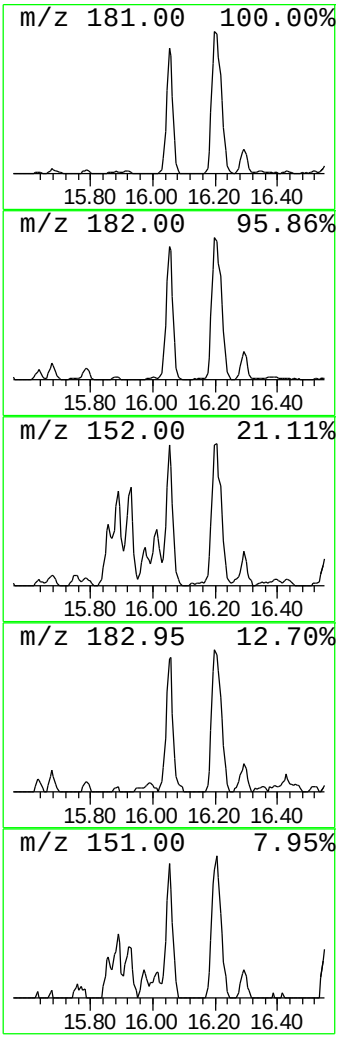
Peak Number 15 2,4,6-Cycloheptatrien-1-one... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	17.43 ng/ul	255675	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	83
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
4	9H-Xanthene	182	C13H10O	000092-83-1	64
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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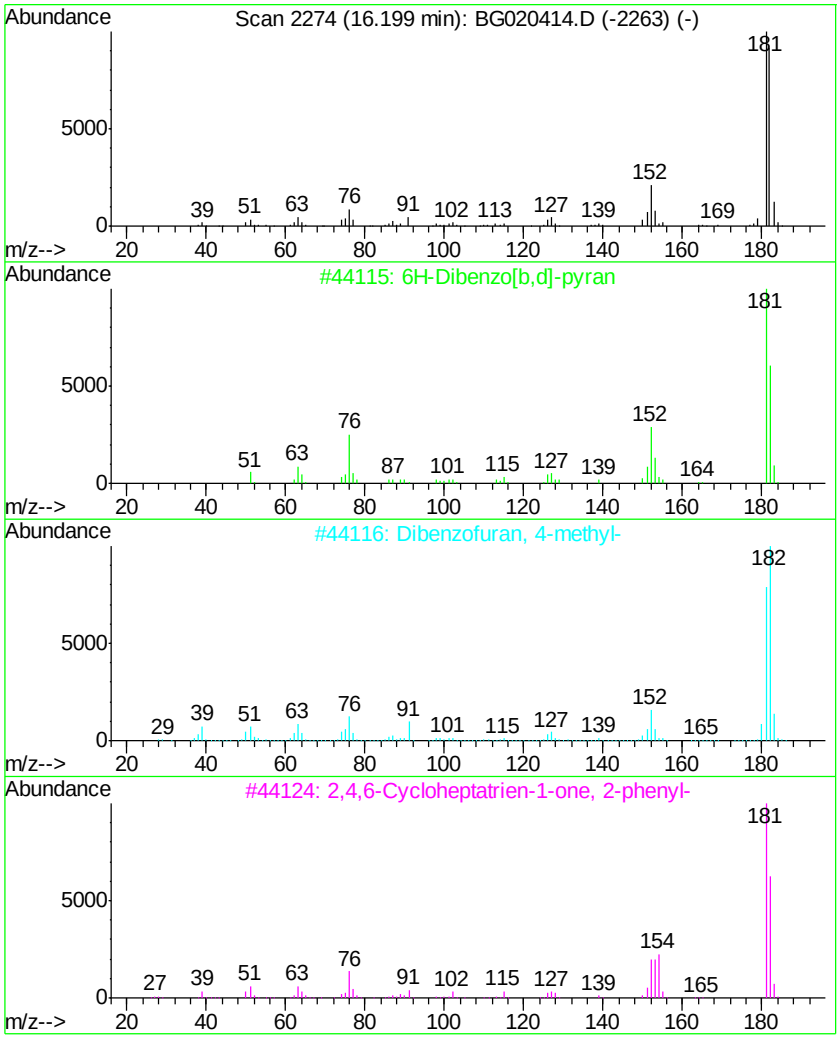
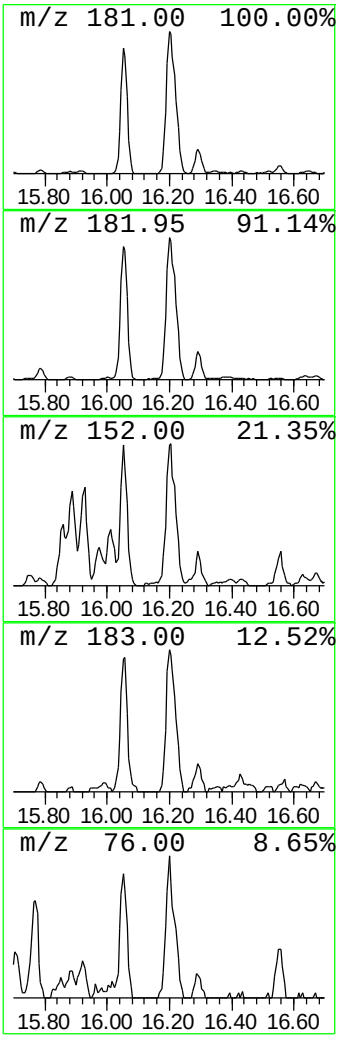
Peak Number 16 6H-Dibenzo[b,d]-pyran Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	20.36 ng/ul	384926	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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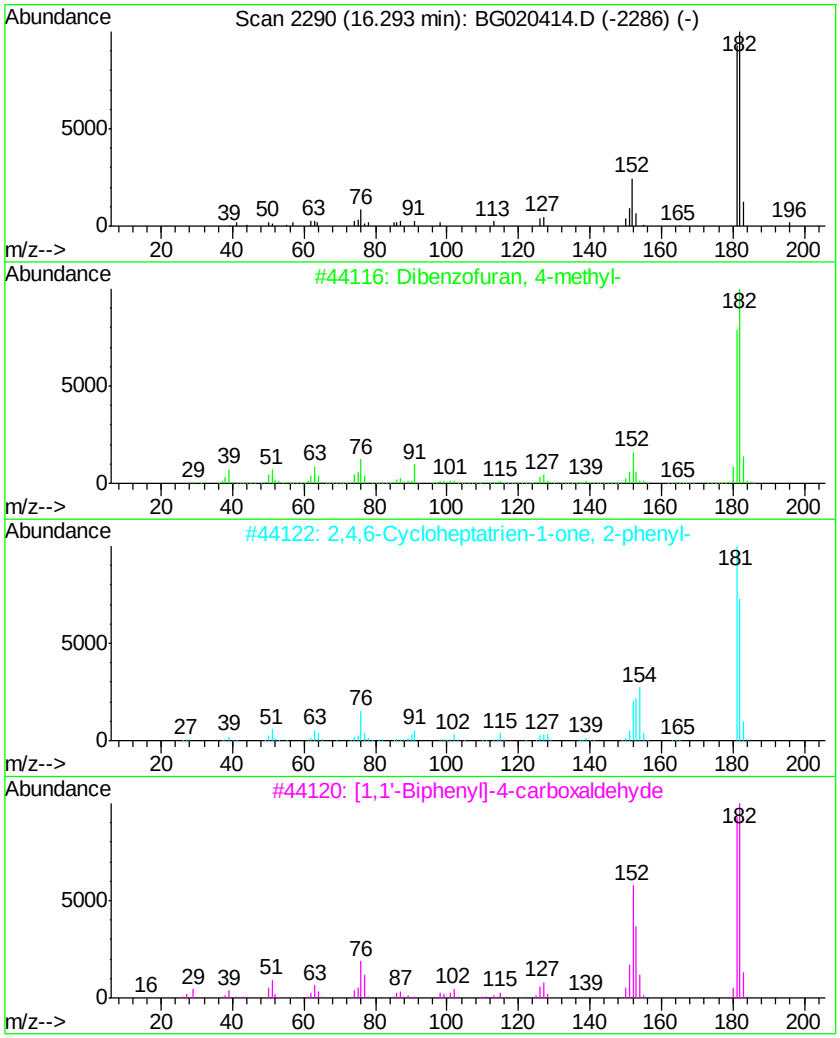
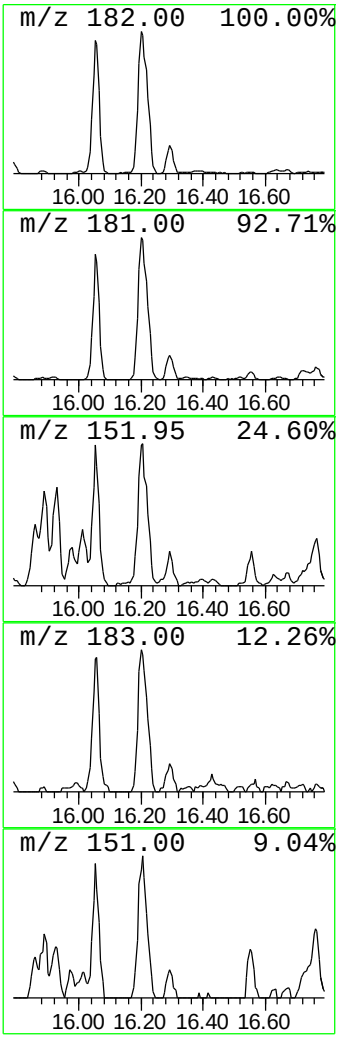
Peak Number 17 Dibenzofuran, 4-methyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	2.59 ng/ul	49007	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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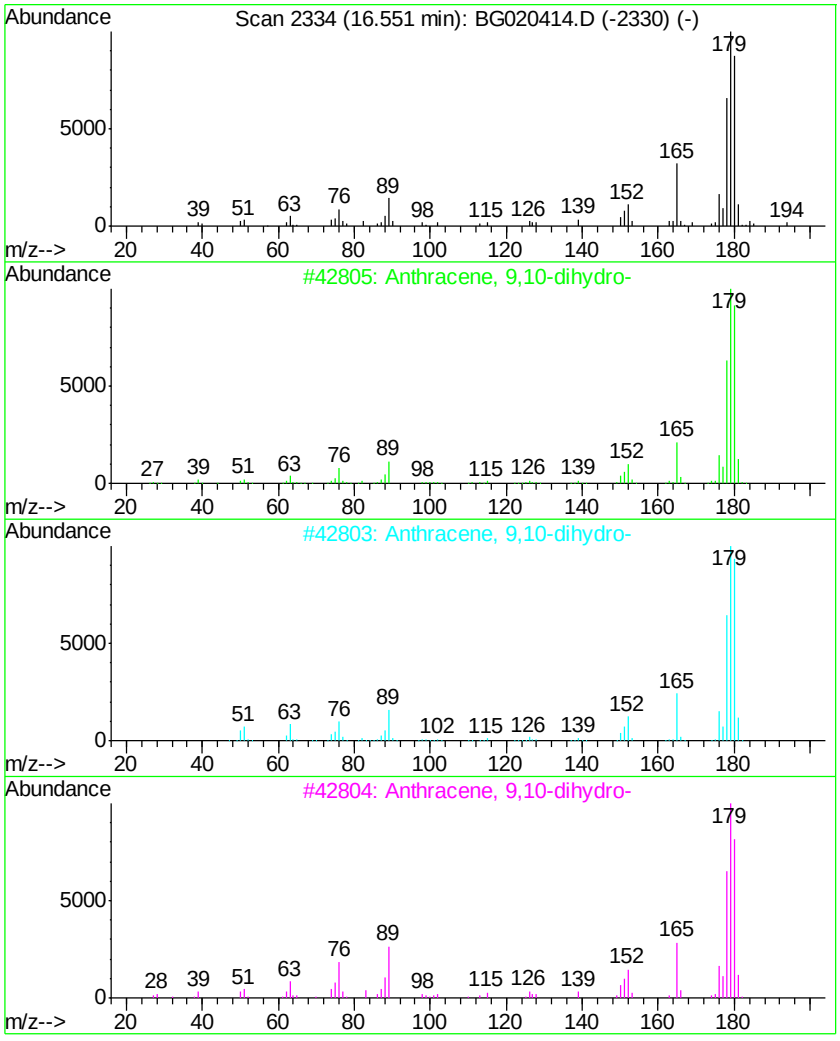
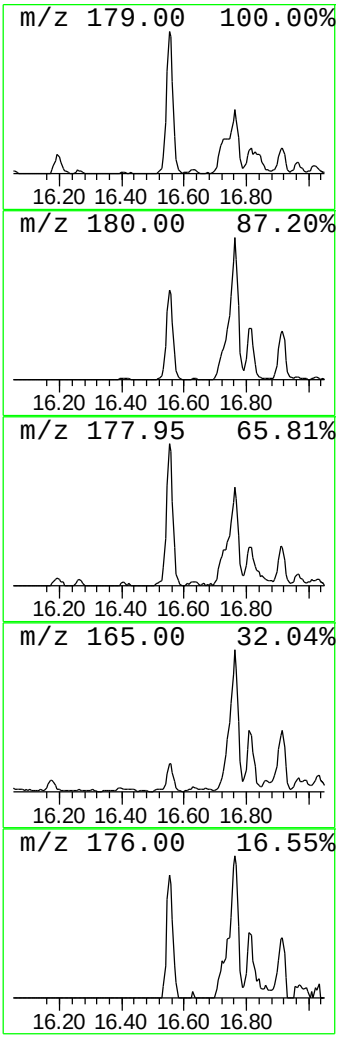
Peak Number 18 Anthracene, 9,10-dihydro- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	6.40 ng/ul	121046	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	95
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	94
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	94
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	90
5	(E)-Stilbene	180	C14H12	000103-30-0	81





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

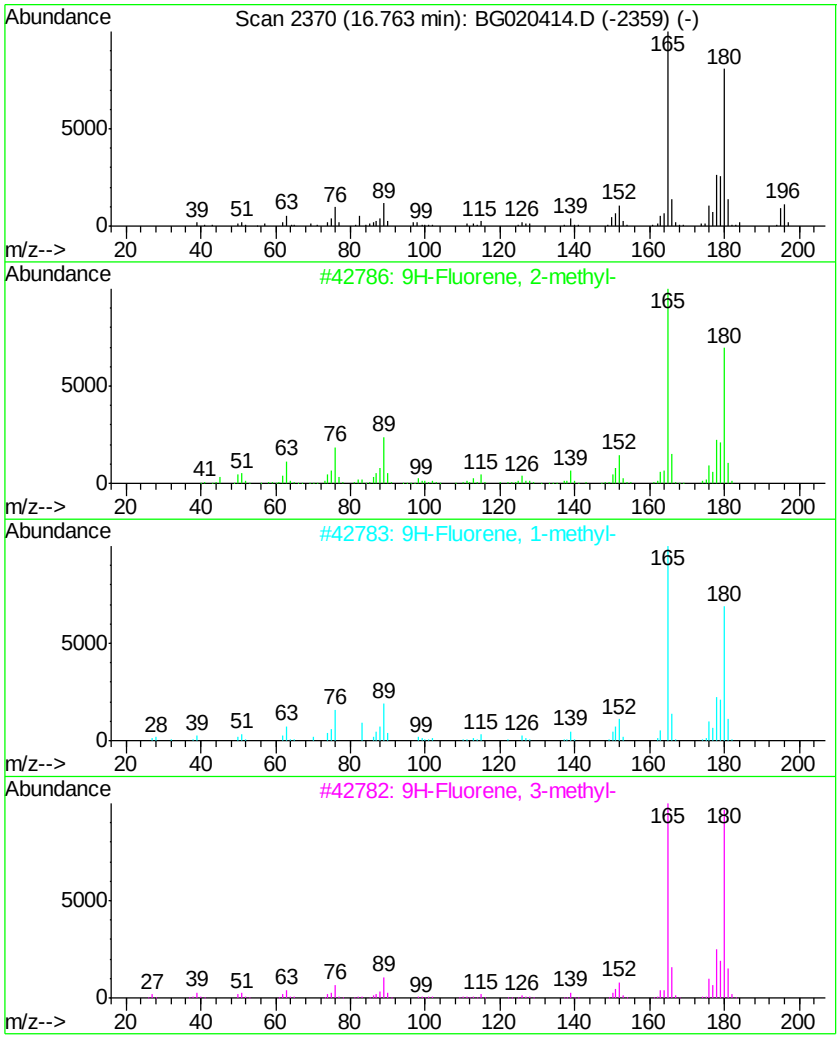
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

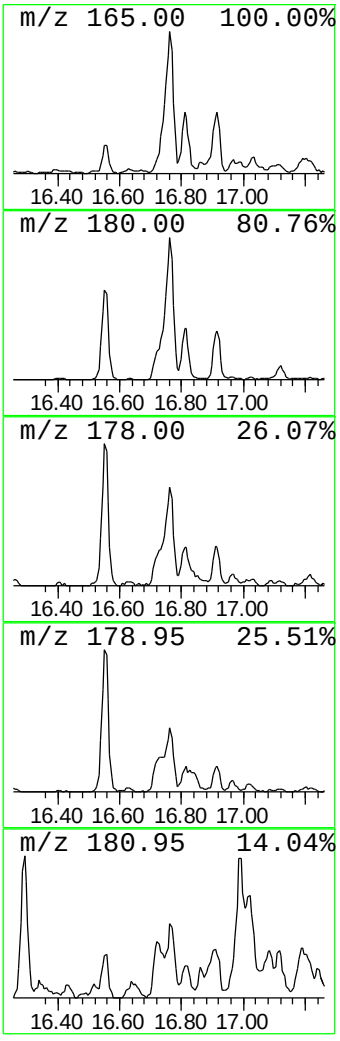
****

Peak Number 19 9H-Fluorene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	16.56 ng/ul	313036	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

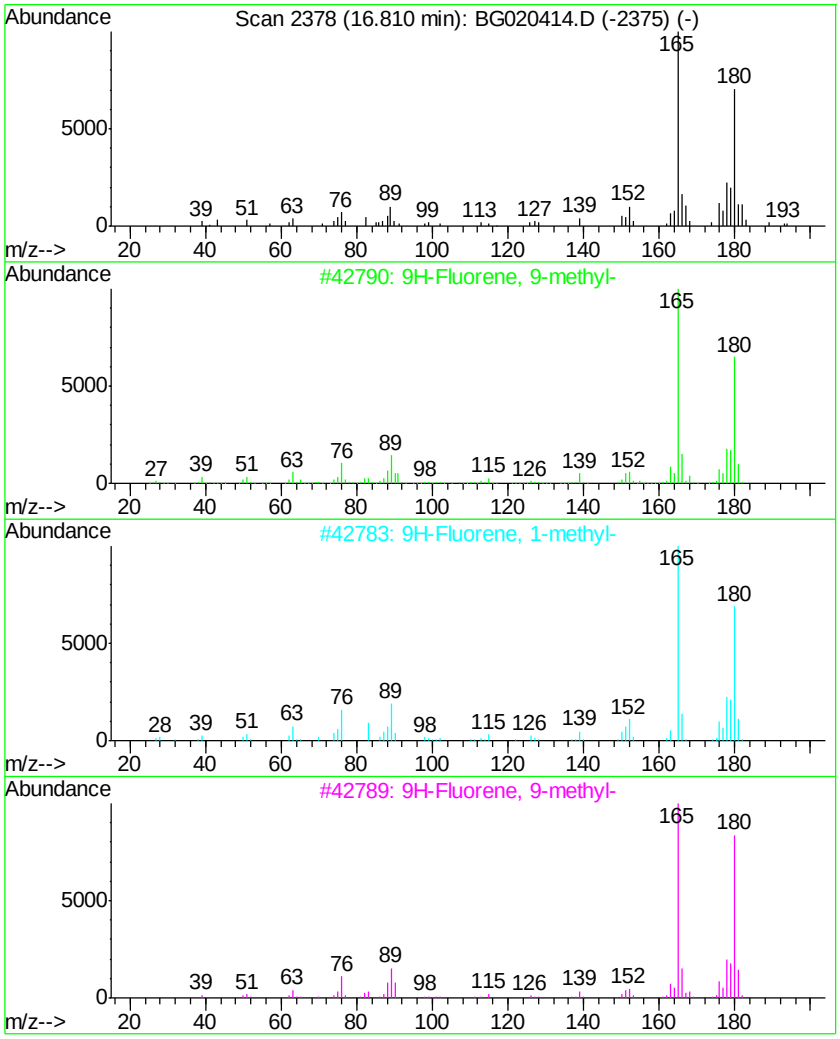
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

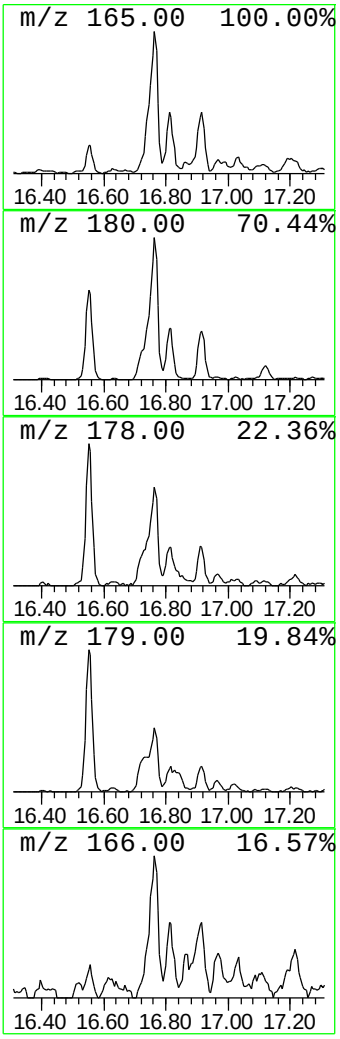
****

Peak Number 20 9H-Fluorene, 9-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	3.53 ng/ul	66691	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	95
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

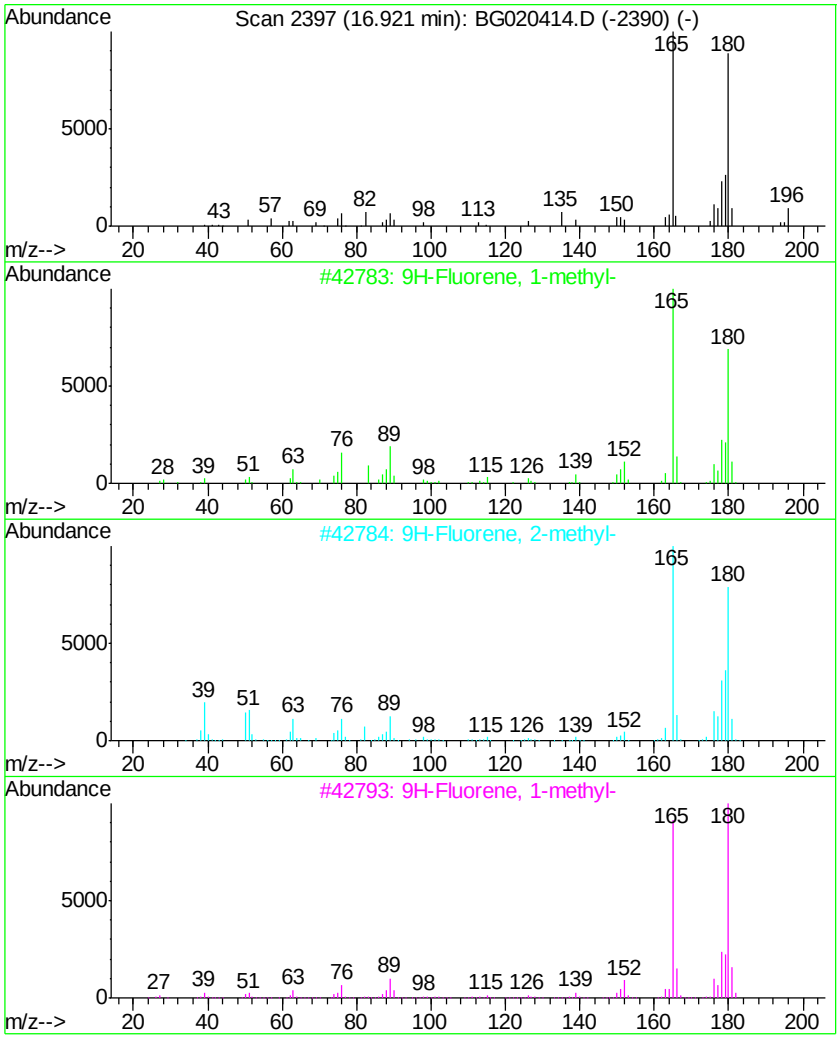
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

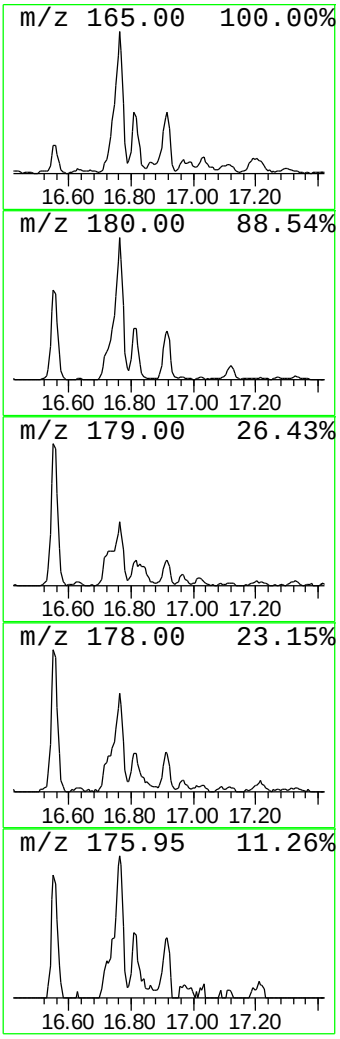
****

Peak Number 21 9H-Fluorene, 1-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.92	5.44 ng/ul	102797	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	76
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

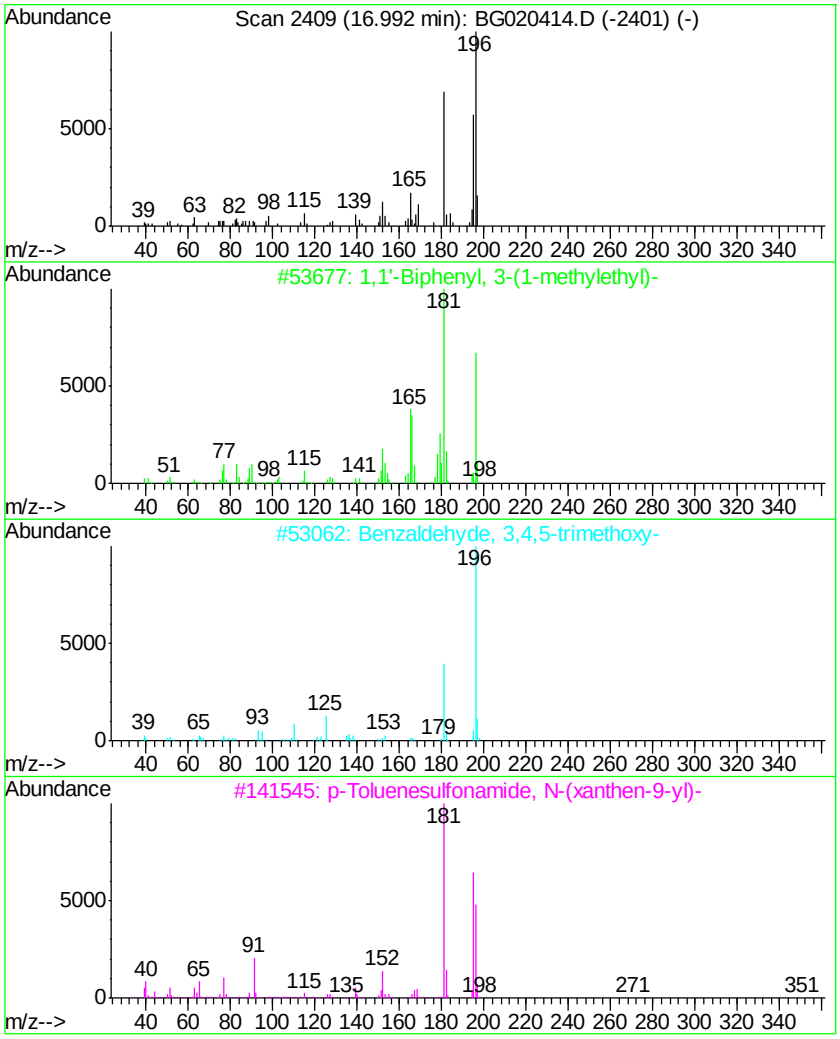
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

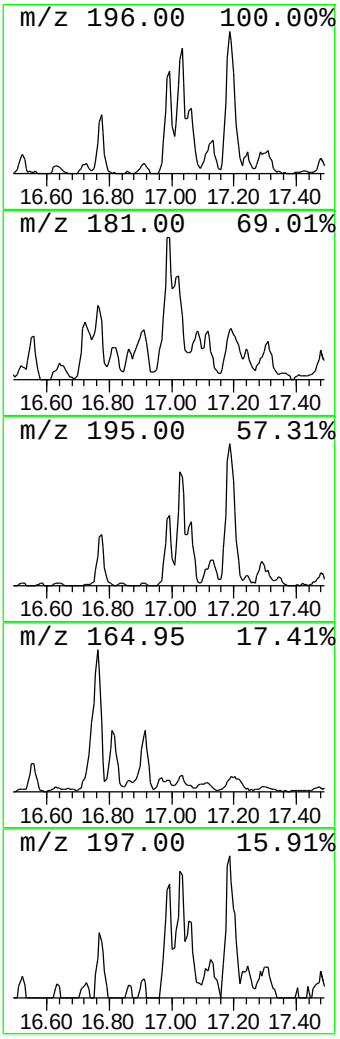
****

Peak Number 22 1,1'-Biphenyl, 3-(1-methyle... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.99	6.73 ng/ul	127144	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3-(1-methylethyl)-	196	C15H16	020282-30-8	72
2	Benzaldehyde, 3,4,5-trimethoxy-	196	C10H12O4	000086-81-7	58
3	p-Toluenesulfonamide, N-(xanthen...	351	C20H17NO3S	006326-06-3	50
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	46
5	2-Fluorenamine	181	C13H11N	000153-78-6	30





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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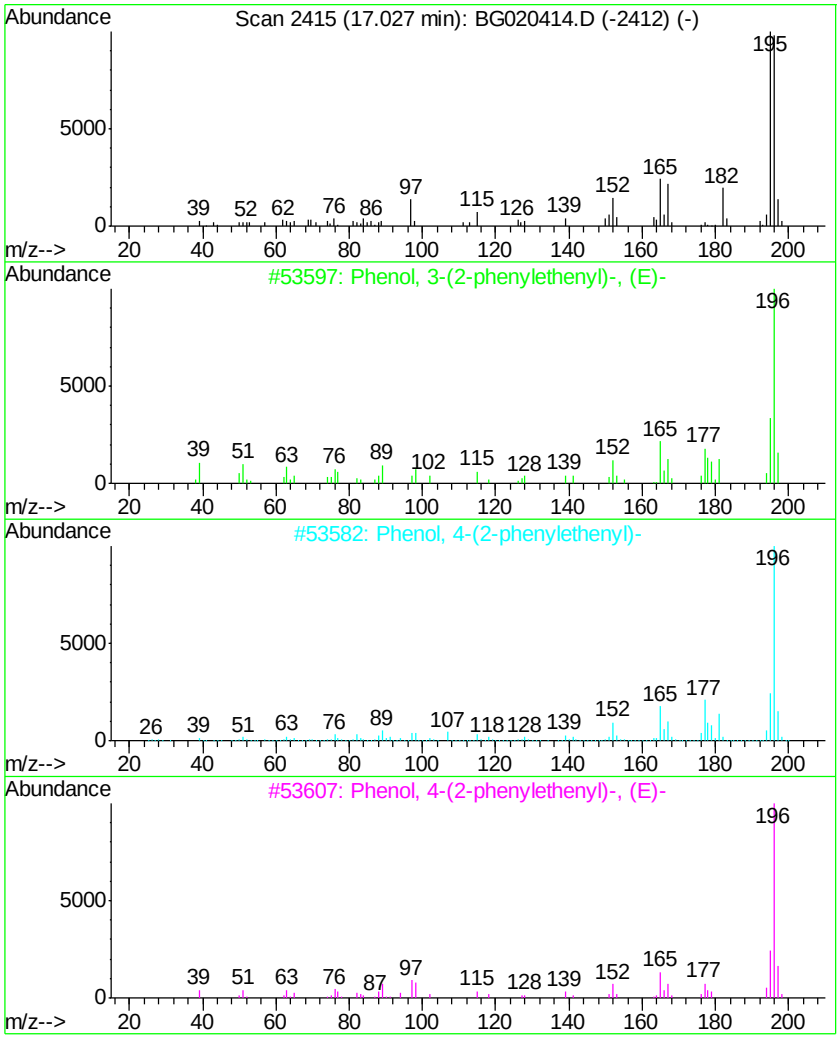
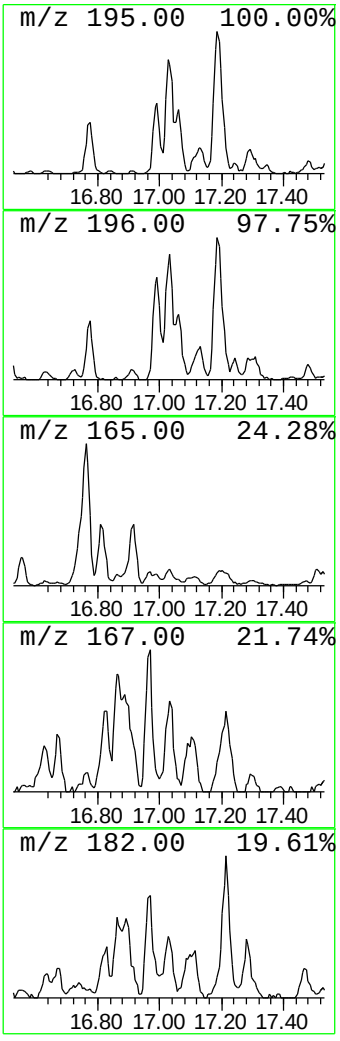
Peak Number 23 Phenol, 3-(2-phenylethenyl)... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.03	2.86 ng/ul	54127	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	53
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	52
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	52
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	49
5	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

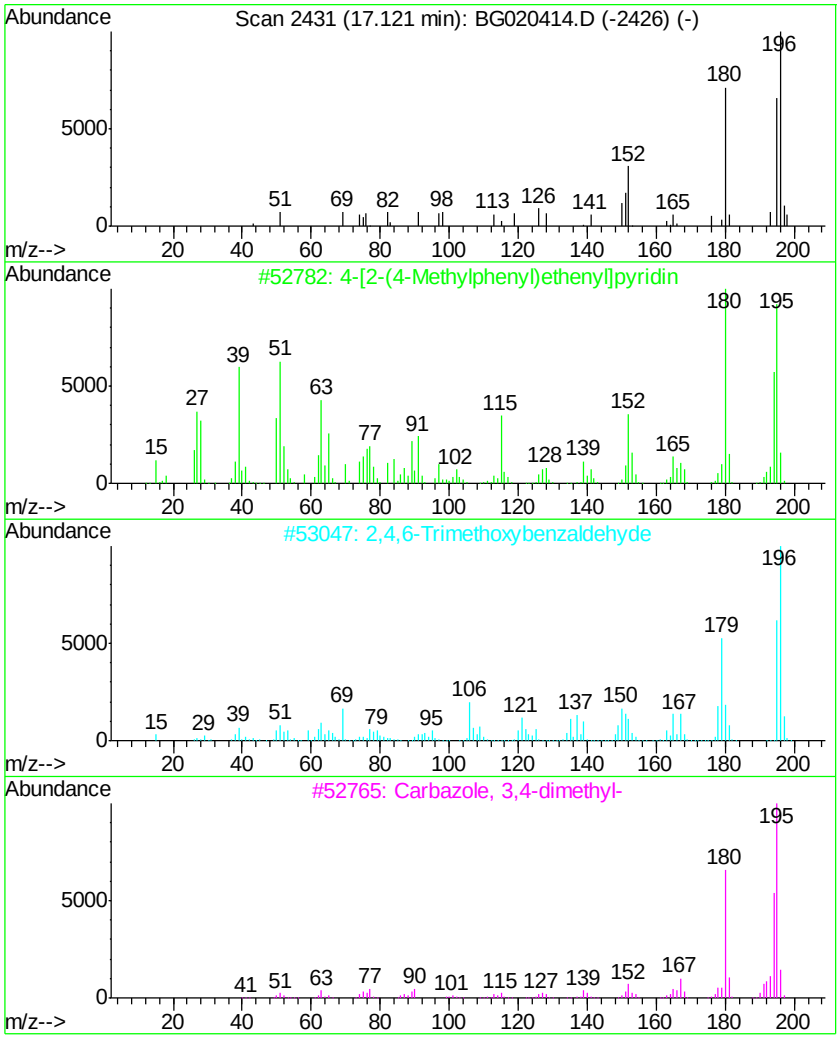
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

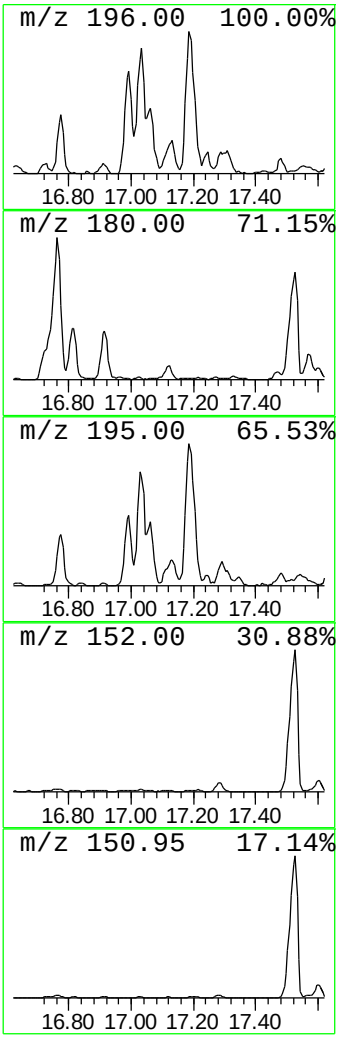
****

Peak Number 24 unknown-01 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	2.60 ng/ul	49175	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-[2-(4-Methylphenyl)ethenyl]pyr...	195	C14H13N	000718-24-1	43
2	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	43
3	Carbazole, 3,4-dimethyl-	195	C14H13N	018992-72-8	38
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	30
5	Oxirane, 2,3-diphenyl-	196	C14H12O	017619-97-5	30





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

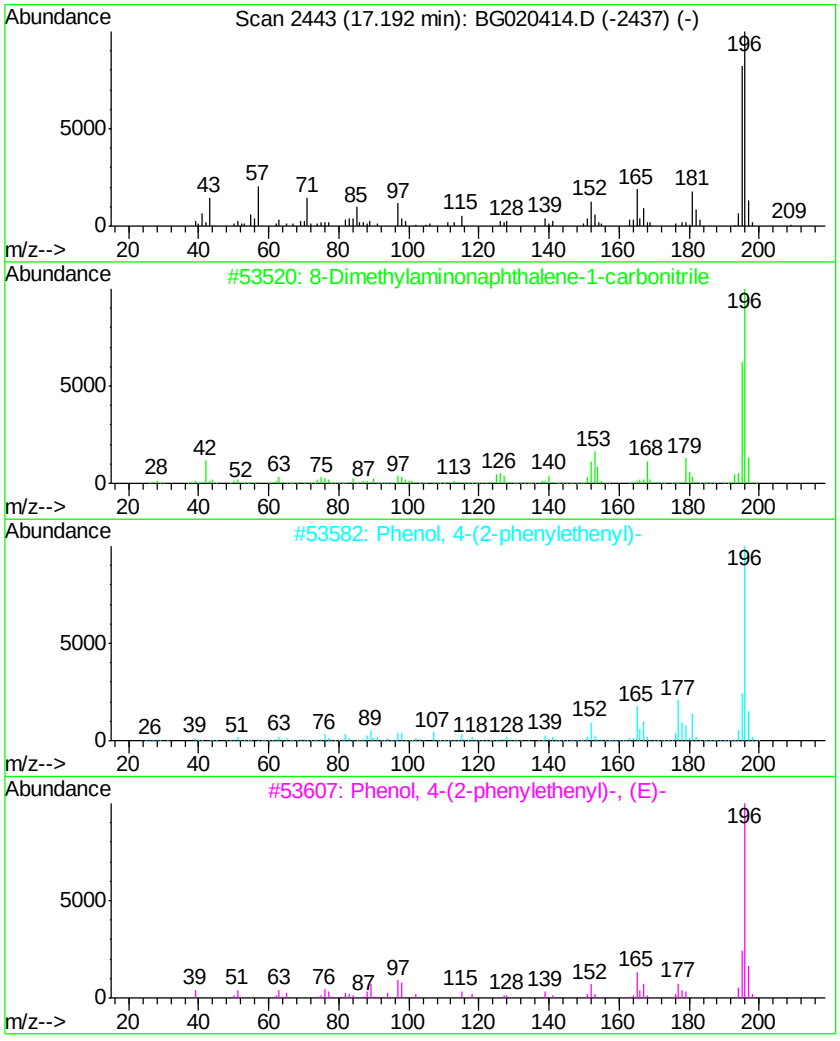
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

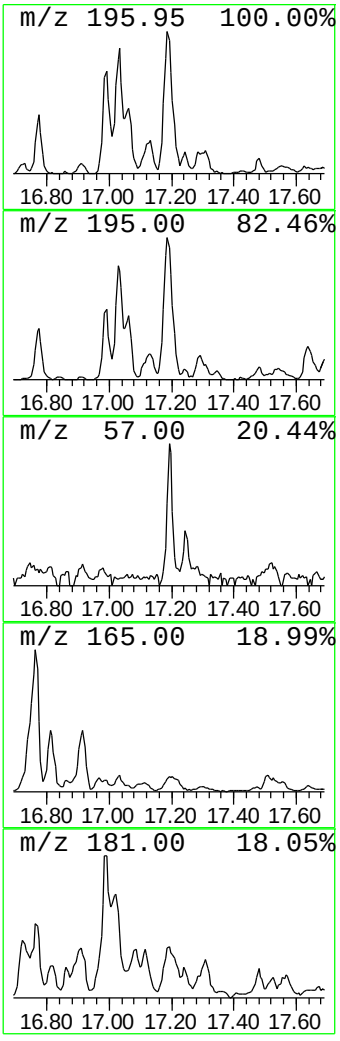
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 8-Dimethylaminonaphthalene-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.19	10.27 ng/ul	194049	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	72
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49
4	9H-Fluorene-2,7-diamine	196	C13H12N2	000525-64-4	49
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	47





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

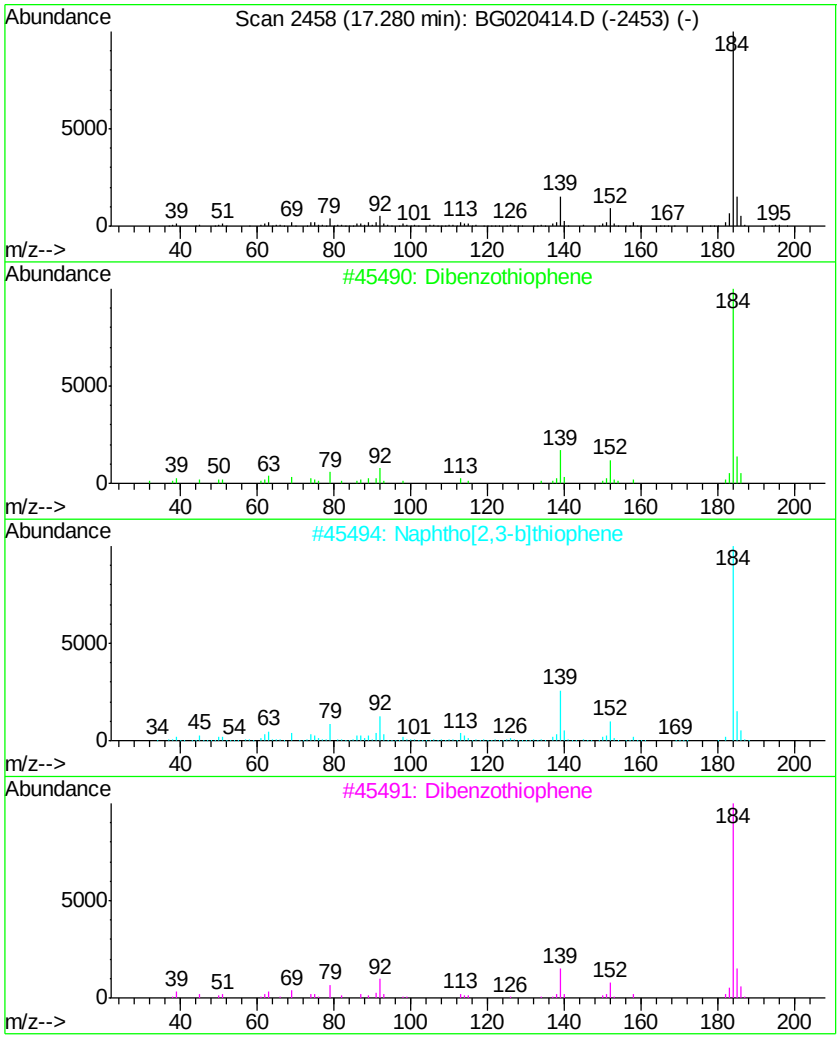
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

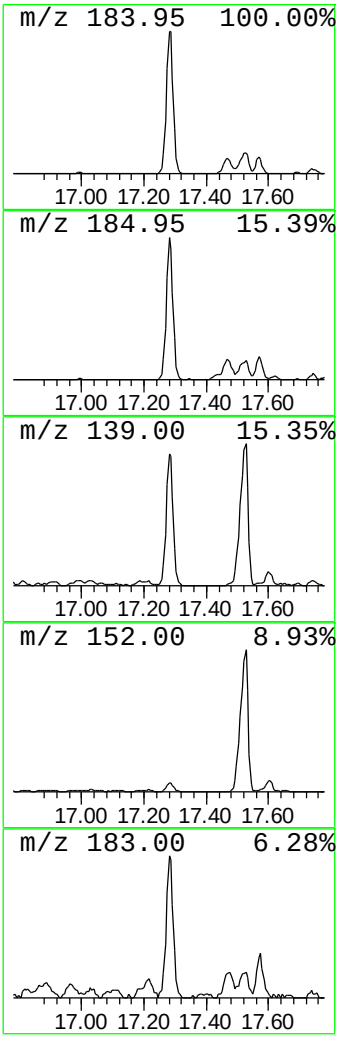
****

Peak Number 26 Dibenzothiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.28	24.46 ng/ul	462360	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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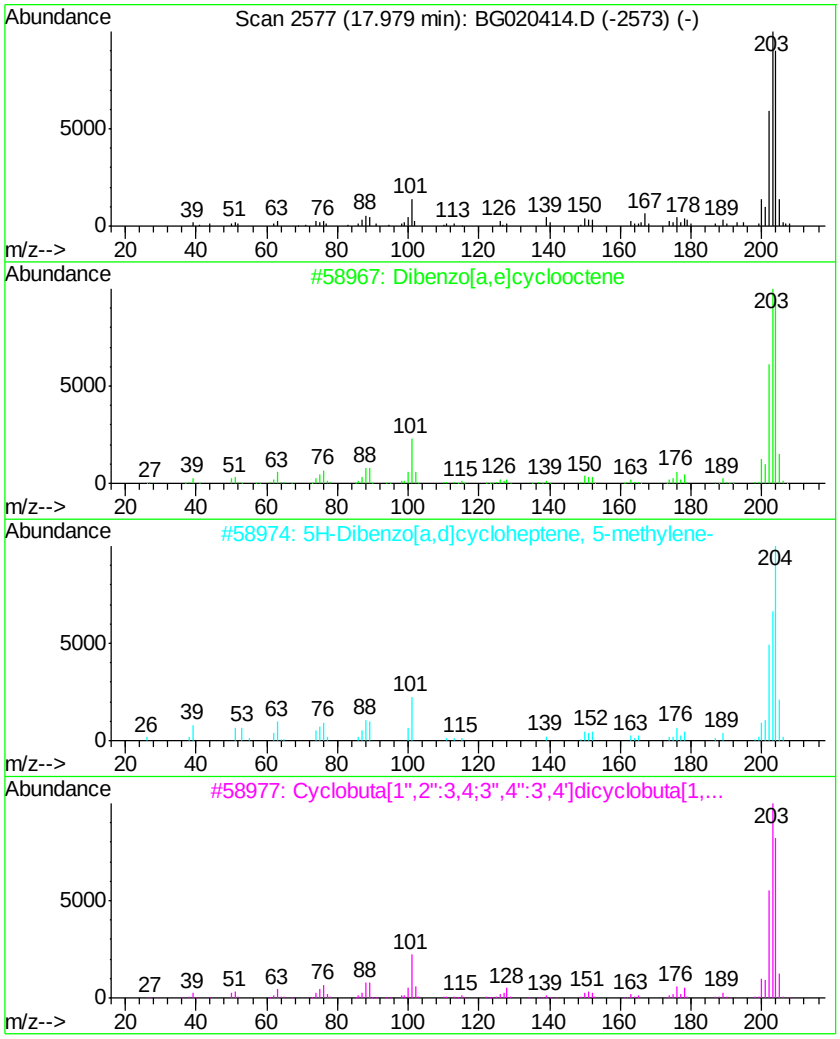
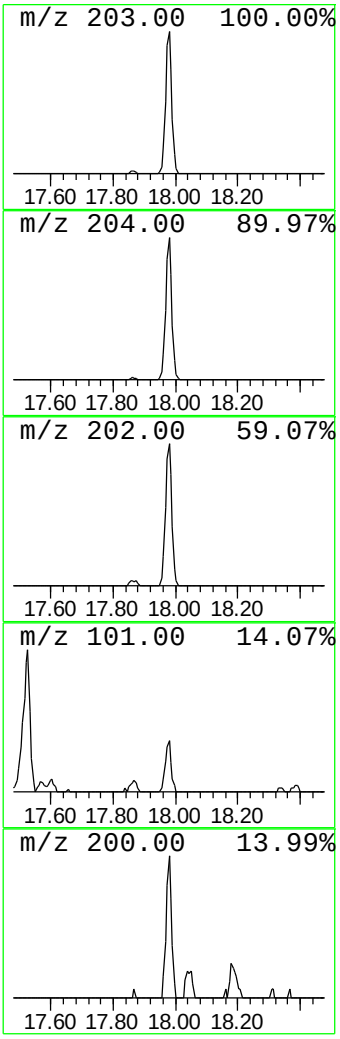
Peak Number 27 Dibenzo[a,e]cyclooctene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	6.42 ng/ul	121314	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	96
2	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	91
3	Cyclobuta[1'',2'':3,4;3'',4'':3'...	204	C16H12	006574-36-3	89
4	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	89
5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

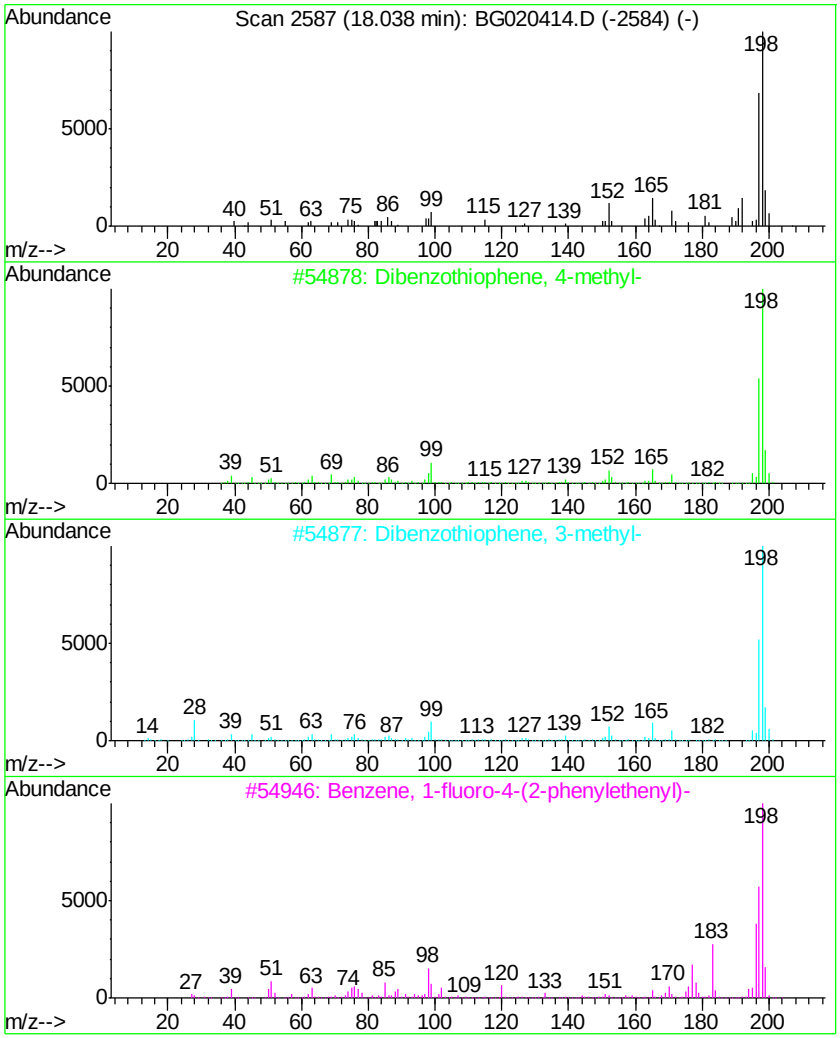
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

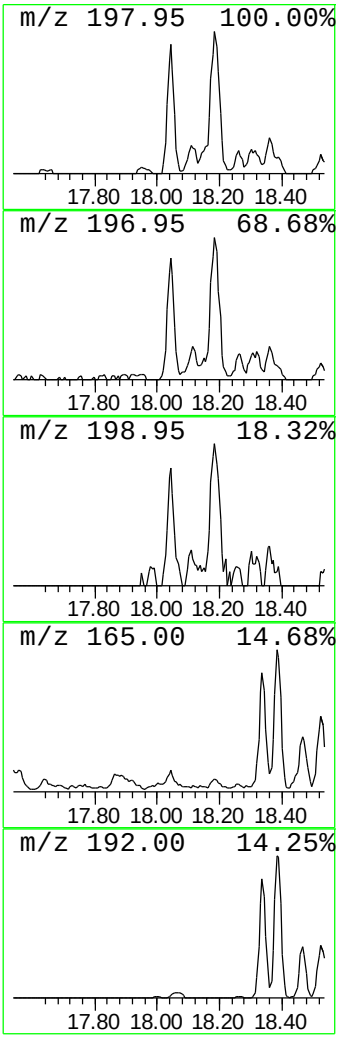
****

Peak Number 28 Dibenzothiophene, 4-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	3.59 ng/ul	67792	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	81
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	70
3	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	58
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	53
5	Thioxanthene	198	C13H10S	000261-31-4	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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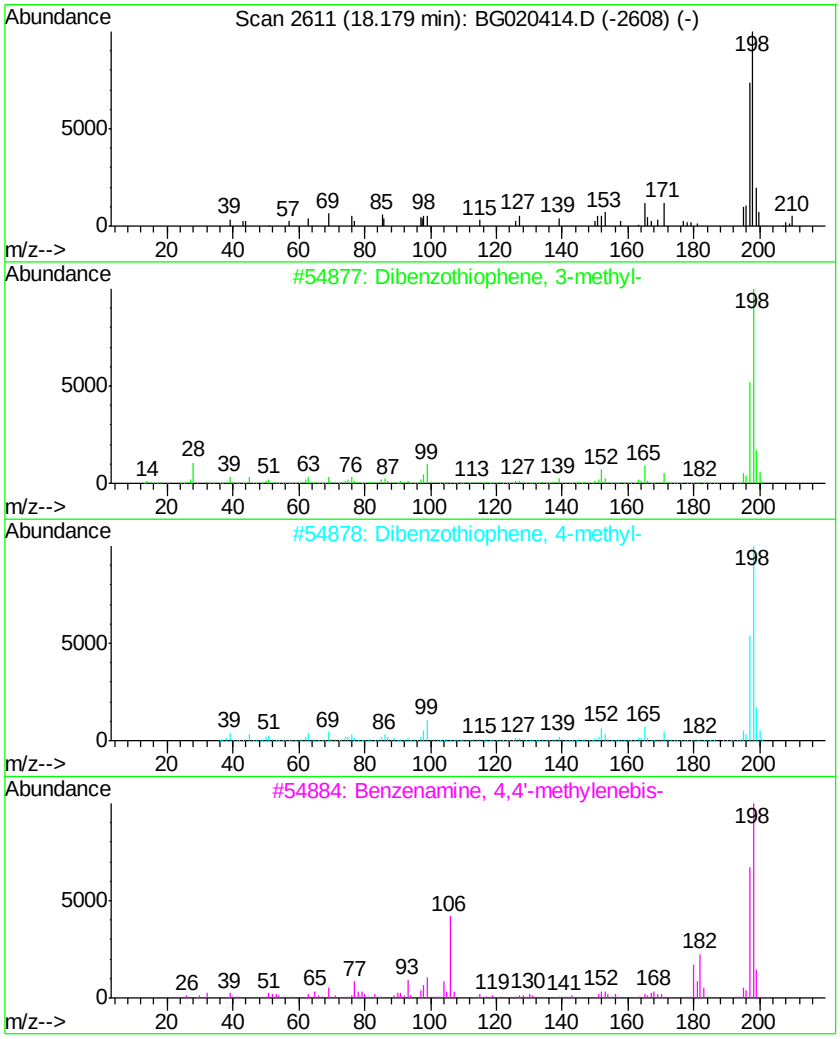
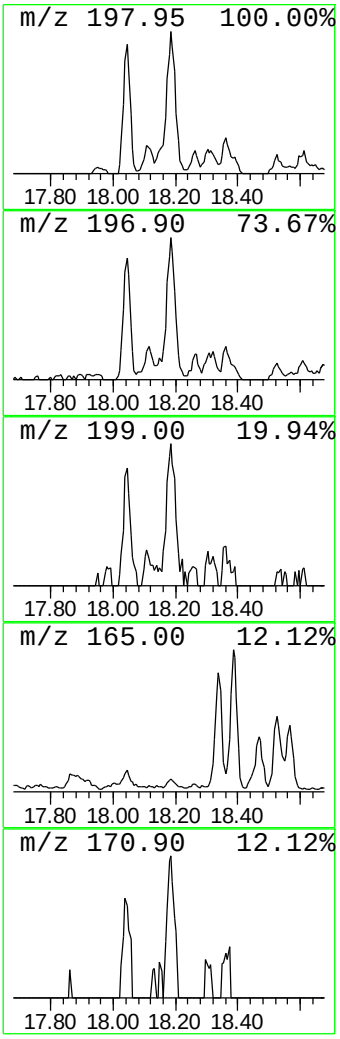
Peak Number 29 Dibenzothiophene, 3-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	2.90 ng/ul	54787	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	90
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	74
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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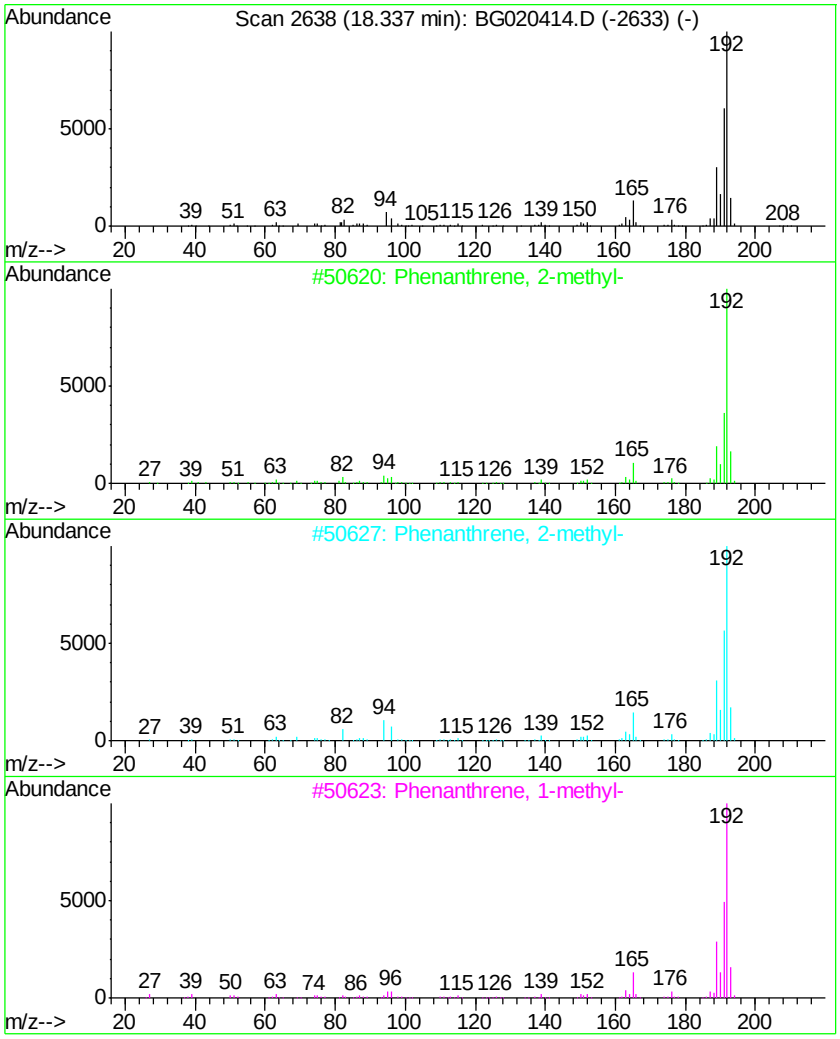
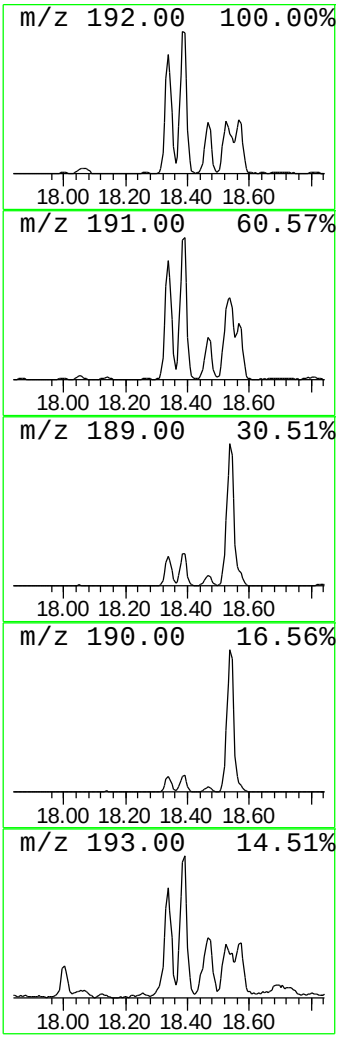
Peak Number 30 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	21.51 ng/ul	406519	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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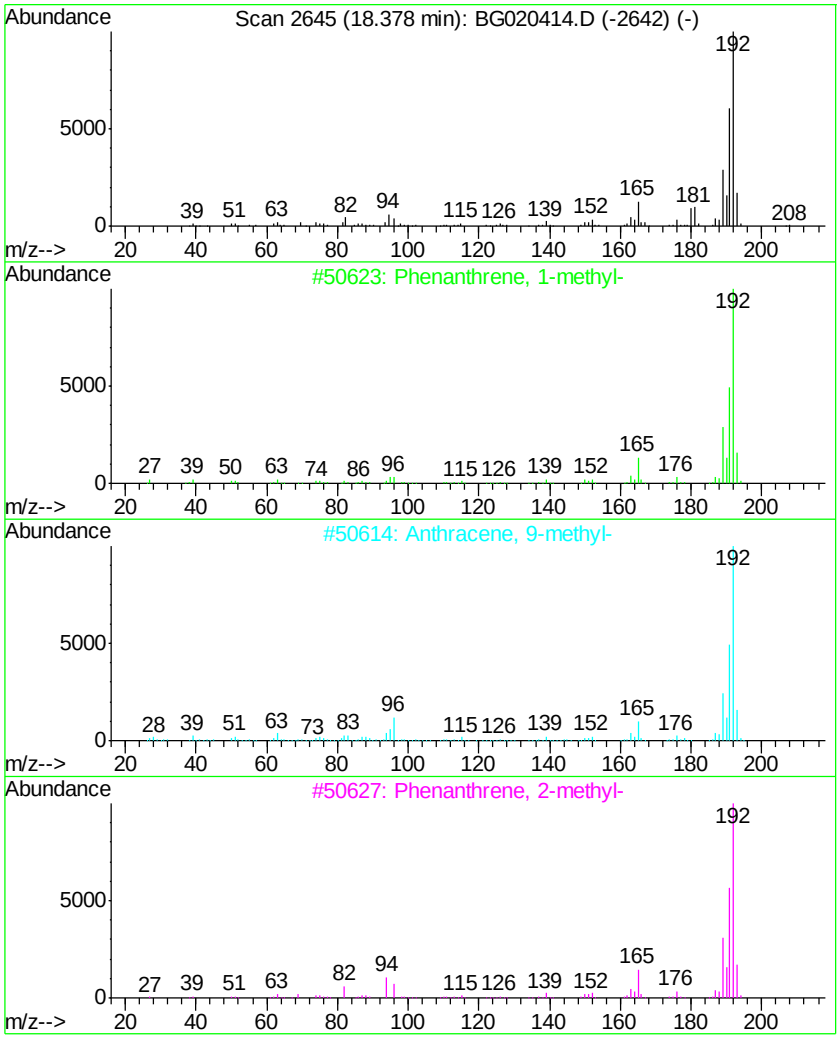
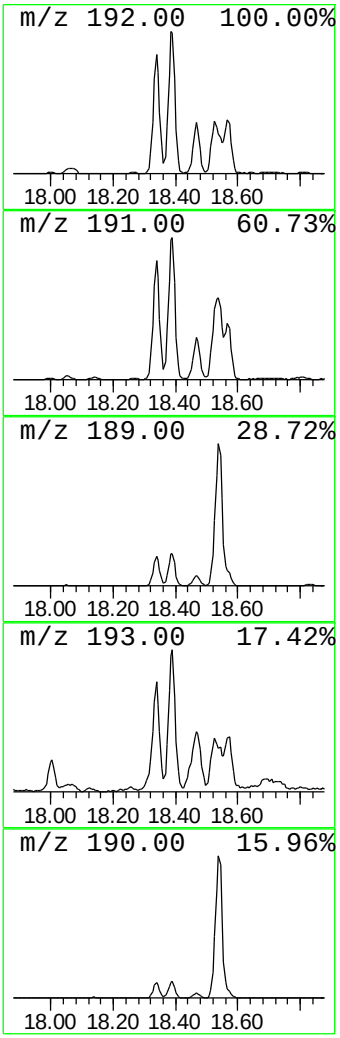
Peak Number 31 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	29.09 ng/ul	549927	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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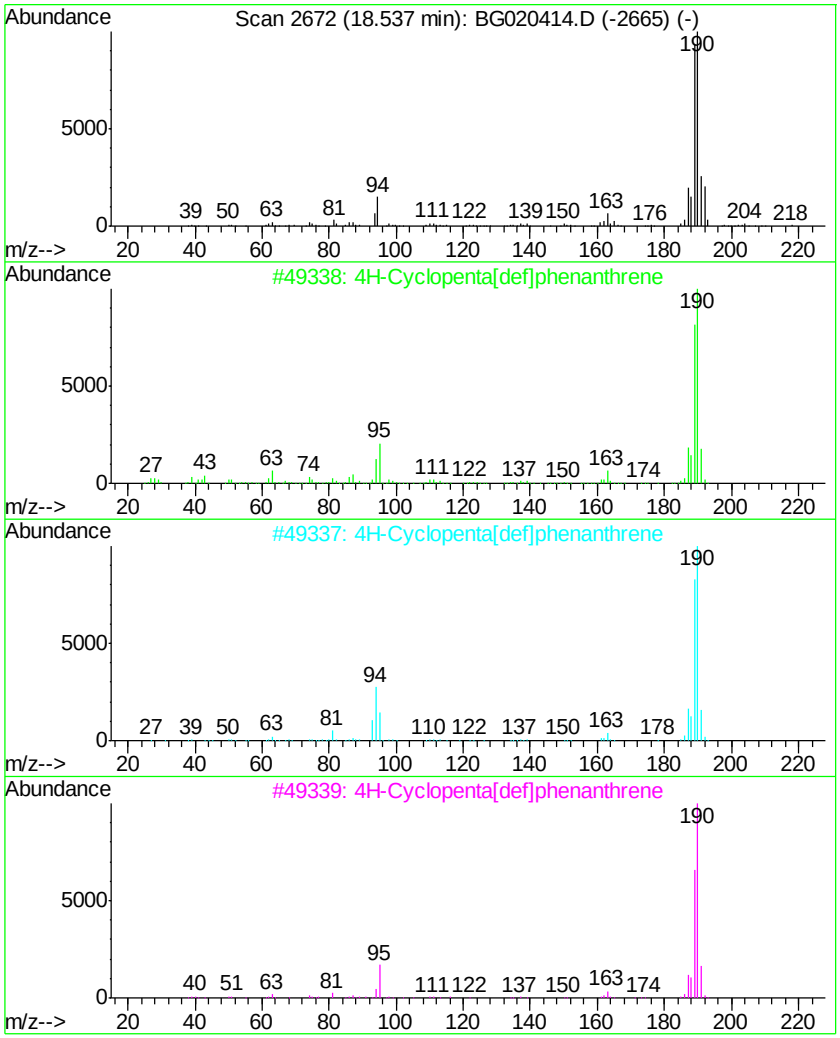
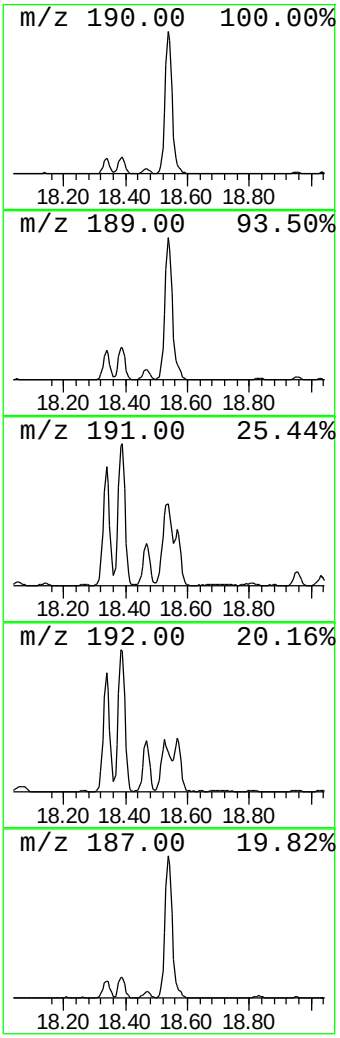
Peak Number 33 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	49.04 ng/ul	926910	Phenanthrene-d10	17.47

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	83
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17ME
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63ME

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.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
Butane, 2-methoxy...	3.18	10.8	ng/ul	58145	1	8.08	107607	20.0
Naphthalene, 1-me...	12.77	45.6	ng/ul	428278	2	10.90	187743	20.0
Naphthalene, 1-et...	13.75	8.9	ng/ul	131010	3	14.72	293452	20.0
Naphthalene, 2,7-...	13.88	8.1	ng/ul	118650	3	14.72	293452	20.0
Naphthalene, 2,3-...	14.04	16.1	ng/ul	236065	3	14.72	293452	20.0
Naphthalene, 1,3-...	14.27	6.3	ng/ul	91691	3	14.72	293452	20.0
2-Naphthalenecarb...	14.85	4.9	ng/ul	72038	3	14.72	293452	20.0
1-Isopropenylnaph...	15.02	5.6	ng/ul	82483	3	14.72	293452	20.0
Naphthalene, 2,3,...	15.18	3.3	ng/ul	47852	3	14.72	293452	20.0
Naphthalene, 1,6,...	15.50	3.1	ng/ul	45133	3	14.72	293452	20.0
Fluorene, 1,4-dih...	15.92	15.8	ng/ul	232086	3	14.72	293452	20.0
1,1'-Biphenyl, 2-...	16.01	7.7	ng/ul	112841	3	14.72	293452	20.0
2,4,6-Cycloheptat...	16.05	17.4	ng/ul	255675	3	14.72	293452	20.0
6H-Dibenzo[b,d]-p...	16.20	20.4	ng/ul	384926	4	17.47	378037	20.0
Dibenzofuran, 4-m...	16.29	2.6	ng/ul	49007	4	17.47	378037	20.0
Anthracene, 9,10-...	16.55	6.4	ng/ul	121046	4	17.47	378037	20.0
9H-Fluorene, 2-me...	16.76	16.6	ng/ul	313036	4	17.47	378037	20.0
9H-Fluorene, 9-me...	16.81	3.5	ng/ul	66691	4	17.47	378037	20.0
9H-Fluorene, 1-me...	16.92	5.4	ng/ul	102797	4	17.47	378037	20.0
1,1'-Biphenyl, 3-...	16.99	6.7	ng/ul	127144	4	17.47	378037	20.0
Phenol, 3-(2-phen...	17.03	2.9	ng/ul	54127	4	17.47	378037	20.0
unknown-01	17.12	2.6	ng/ul	49175	4	17.47	378037	20.0
8-Dimethylaminona...	17.19	10.3	ng/ul	194049	4	17.47	378037	20.0
Dibenzothiophene	17.28	24.5	ng/ul	462360	4	17.47	378037	20.0
Dibenzo[a,e]cyclo...	17.98	6.4	ng/ul	121314	4	17.47	378037	20.0
Dibenzothiophene,...	18.04	3.6	ng/ul	67792	4	17.47	378037	20.0
Dibenzothiophene,...	18.18	2.9	ng/ul	54787	4	17.47	378037	20.0
Phenanthrene, 2-m...	18.34	21.5	ng/ul	406519	4	17.47	378037	20.0
Phenanthrene, 1-m...	18.38	29.1	ng/ul	549927	4	17.47	378037	20.0
4H-Cyclopenta[def...	18.54	49.0	ng/ul	926910	4	17.47	378037	20.0