Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092315\
Data File : BG018864.D
Acq On : 23 Sep 2015 23:25
Operator : UM/NP
Sample : G3690-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BC2W1

Quant Time: Sep 24 04:14:43 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 24 04:11:41 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.00 | 152 | 75683 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.80 | 136 | 347776 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.63 | 164 | 226392 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.40 | 188 | 446866 | 20.00 | ng/ul | 0.03 |
| 78) Chrysene-d12 | 21.65 | 240 | 455362 | 20.00 | ng/ul | 0.01 |
| 86) Perylene-d12 | 24.84 | 264 | 472580 | 20.00 | ng/ul | 0.02 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.44 | 96 | 2798 | 1.78 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.16 | 99 | 79285 | 12.76 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.32 | 67 | 51757 | 14.37 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.53 | 132 | 61802 | 13.13 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.71 | 113 | 67862 | 13.46 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.16 | 128 | 34831 | 13.22 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.88 | 143 | 36565 | 13.80 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.42 | 165 | 70872 | 12.70 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.92 | 131 | 11055 | 1.70 | ng/ul | -0.02 |
| 44) Dimethylphthalate-d6 | 14.05 | 166 | 223703 | 12.28 | ng/ul | 0.02 |
| 47) Acenaphthylene-d8 | 14.32 | 160 | 285199 | 13.21 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.84 | 143 | 37619 | 10.76 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.62 | 176 | 183158 | 11.50 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.76 | 200 | 316395 | 149.58 | ng/ul | 0.02 |
| 71) Anthracene-d10 | 17.50 | 188 | 278811 | 14.17 | ng/ul | 0.03 |
| 79) Pyrene-d10 | 19.76 | 212 | 247050 | 11.79 | ng/ul | 0.01 |
| 90) Benzo(a)pyrene-d12 | 24.62 | 264 | 325037 | 14.13 | ng/ul | 0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 4) Benzaldehyde | 7.14 | 77 | 22112 | 6.15 | ng/ul# | 1 |
| 6) Phenol | 7.19 | 94 | 65868 | 10.25 | ng/ul | 90 |
| 14) Acetophenone | 8.95 | 105 | 13008 | 1.69 | ng/ul | 94 |
| 16) 4-Methylphenol | 8.76 | 108 | 7024 | 1.29 | ng/ul | 94 |
| 17) Hexachloroethane | 9.11 | 117 | 34717 | 17.87 | ng/ul# | 10 |
| 20) Nitrobenzene | 9.19 | 77 | 10380 | 1.70 | ng/ul# | 63 |
| 21) Isophorone | 9.72 | 82 | 27610 | 2.22 | ng/ul# | 1 |
| 28) Naphthalene | 10.85 | 128 | 77374 | 4.37 | ng/ul | 97 |
| 30) 4-Chloroaniline | 10.98 | 127 | 10049 | 1.50 | ng/ul | 99 |
| 34) 2-Methylnaphthalene | 12.46 | 142 | 33160 | 2.54 | ng/ul | 94 |
| 35) 1-Methylnaphthalene | 12.67 | 142 | 21934 | 1.75 | ng/ul | 98 |
| 40) 2,4,5-Trichlorophenol | 13.13 | 196 | 192383 | 39.20 | ng/ul | 98 |
| 41) 1,1'-Biphenyl | 13.46 | 154 | 108799 | 6.35 | ng/ul | 95 |
| 43) 2-Nitroaniline | 13.68 | 65 | 12985 | 3.35 | ng/ul# | 32 |
| 45) Dimethylphthalate | 14.10 | 163 | 139287 | 7.89 | ng/ul | 99 |
| 50) Acenaphthene | 14.71 | 153 | 21012 | 1.36 | ng/ul# | 6 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.27 | 232 | 1258093 | 265.43 | ng/ul# | 93 |
| 64) 4,6-Dinitro-2-methylphenol | 15.76 | 198 | 864518 | 398.25 | ng/ul# | 54 |
| 69) Pentachlorophenol | 17.12 | 266 | 11910808 | 4208.87 | ng/ul# | 76 |
| 70) Phenanthrene | 17.44 | 178 | 29180 | 1.28 | ng/ul# | 87 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.43 | 216 | 5904 | 1.11 | ng/uL# | 83 |
| 74) Pentachlorobenzene | 14.95 | 250 | 5390 | 1.04 | ng/uL | 94 |
| 76) Di-n-butylphthalate | 18.36 | 149 | 4141407 | 162.03 | ng/ul# | 55 |

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092315\
Data File : BG018864.D
Acq On : 23 Sep 2015 23:25
Operator : UM/NP
Sample : G3690-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BC2W1

Quant Time: Sep 24 04:14:43 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 24 04:11:41 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 80) Pyrene | 19.79 | 202 | 29464 | 1.10 | ng/ul# | 73 |
| 84) Bis(2-ethylhexyl)phthalate | 21.53 | 149 | 982361 | 64.50 | ng/ul# | 93 |
| 85) Chrysene | 21.66 | 228 | 33176 | 1.42 | ng/ul# | 87 |

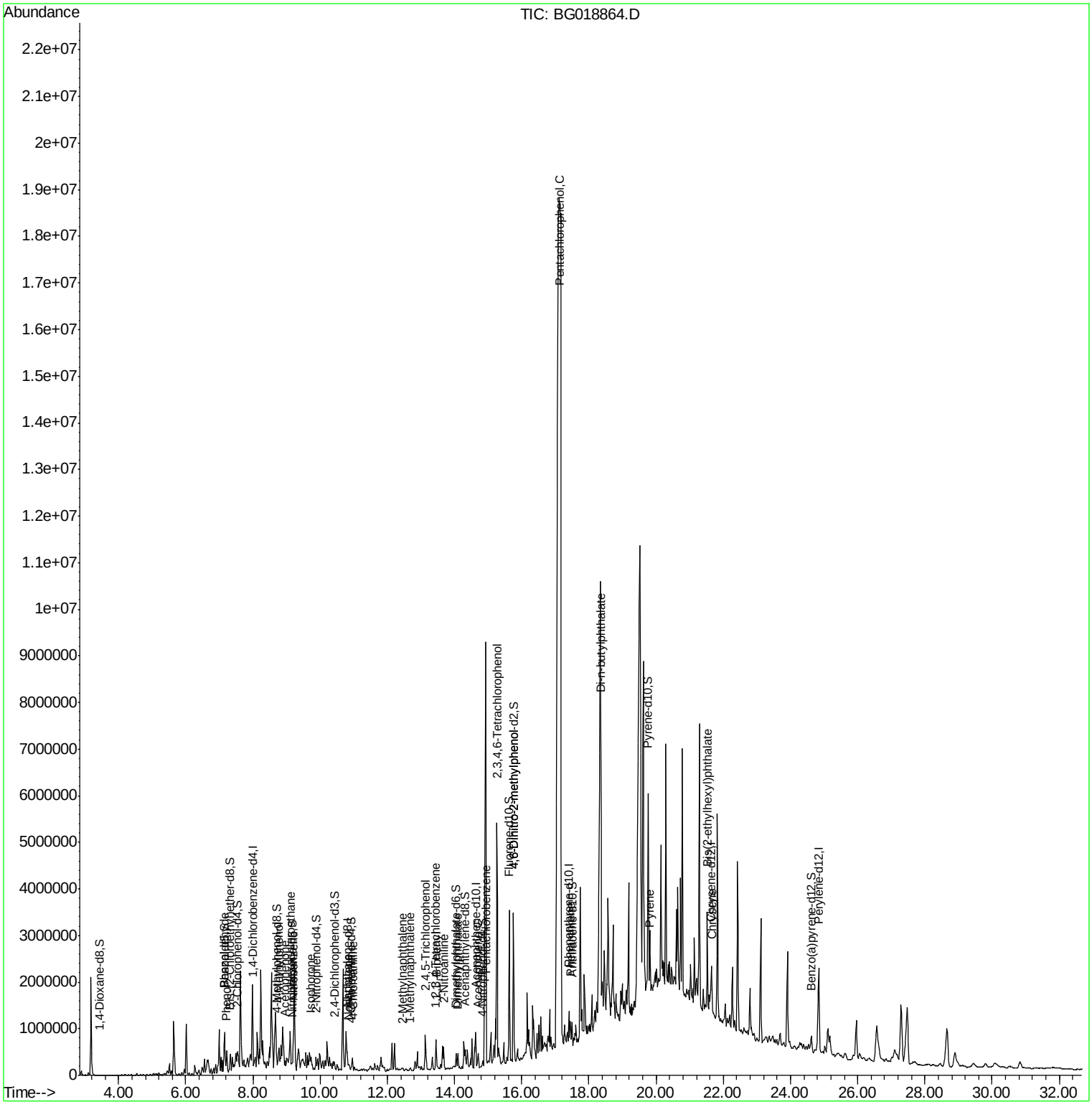
(#) = qualifier out of range (m) = manual integration (+) = signals summed

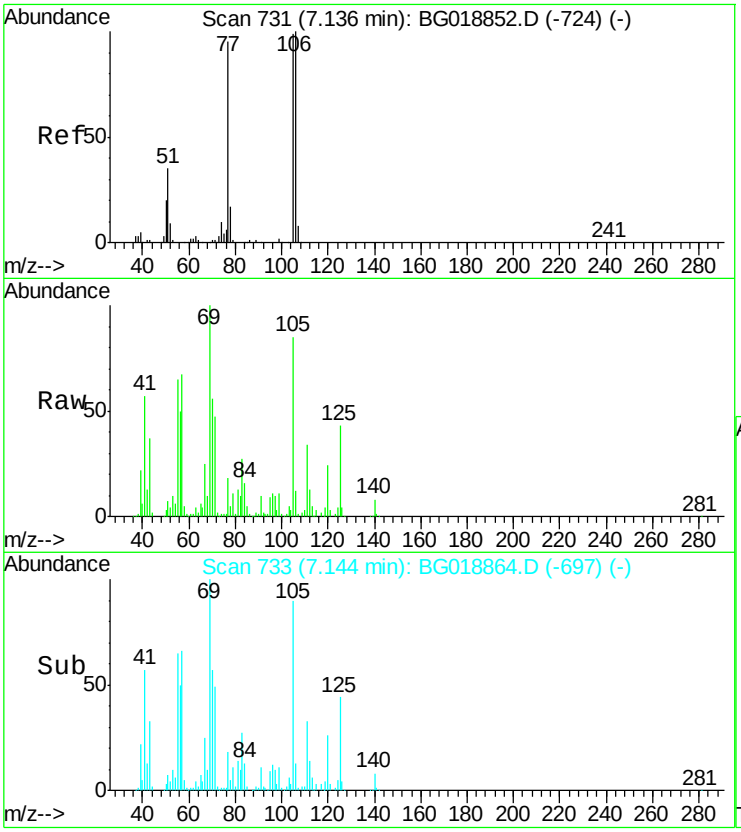
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092315\
Data File : BG018864.D
Acq On : 23 Sep 2015 23:25
Operator : UM/NP
Sample : G3690-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BC2W1

Quant Time: Sep 24 04:14:43 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 24 04:11:41 2015
Response via : Initial Calibration



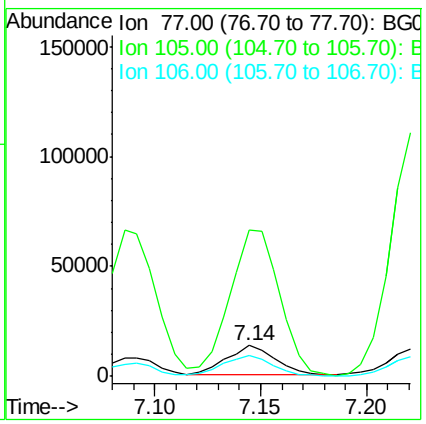


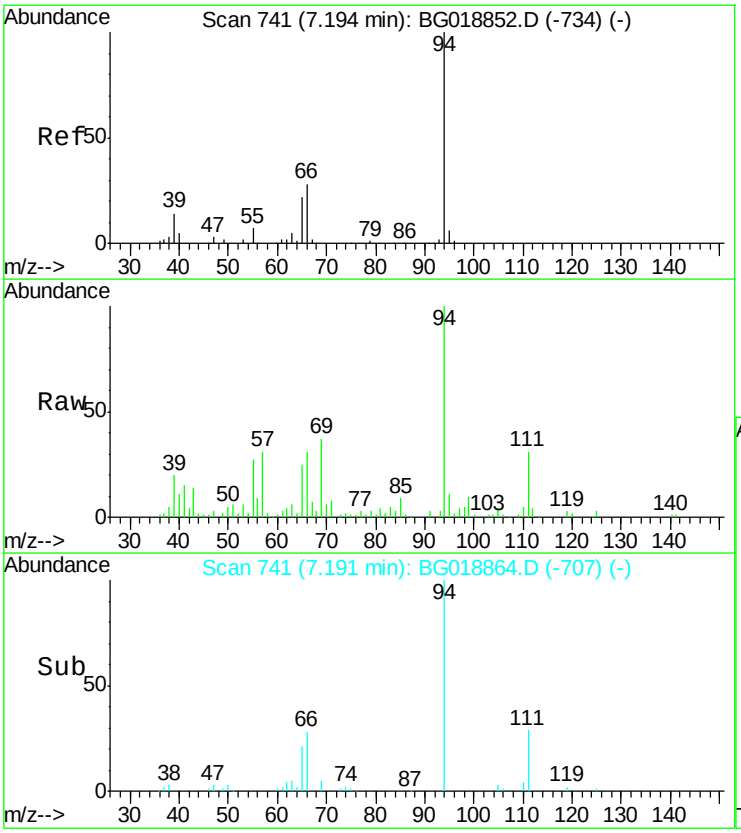

#4
Benzaldehyde
Concen: 6.15 ng/ul
RT: 7.14 min Scan# 733
Delta R.T. 0.01 min
Lab File: BG018864.D
Acq: 23 Sep 2015 23:25

**Instrument :**
BNA_G
**ClientSampleId :**
BC2W1

Tgt Ion: 77 Resp: 22112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 476.5 | 78.2 | 117.2# |
| 106 | 68.4 | 76.8 | 115.2# |

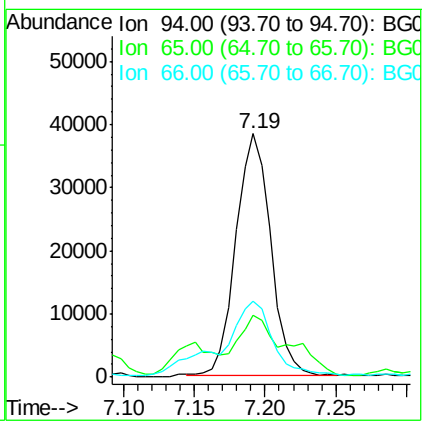


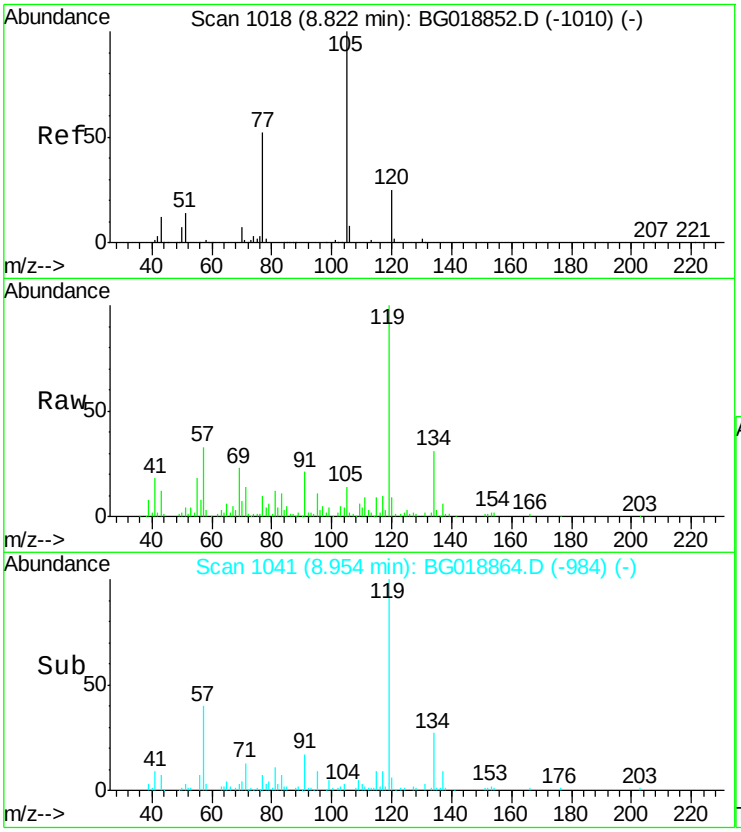




#6
Phenol
Concen: 10.25 ng/ul
RT: 7.19 min Scan# 741
Delta R.T. -0.00 min
Lab File: BG018864.D
Acq: 23 Sep 2015 23:25

Tgt Ion: 94 Resp: 65868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 25.4 | 23.0 | 34.6 |
| 66 | 31.1 | 31.0 | 46.4 |



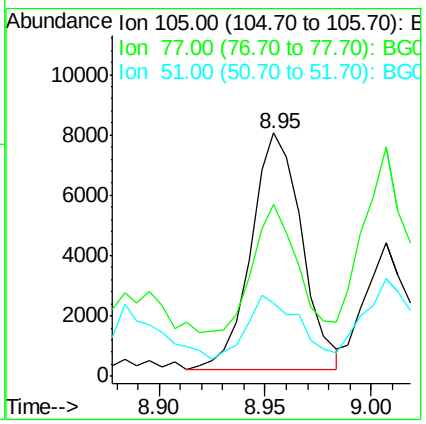


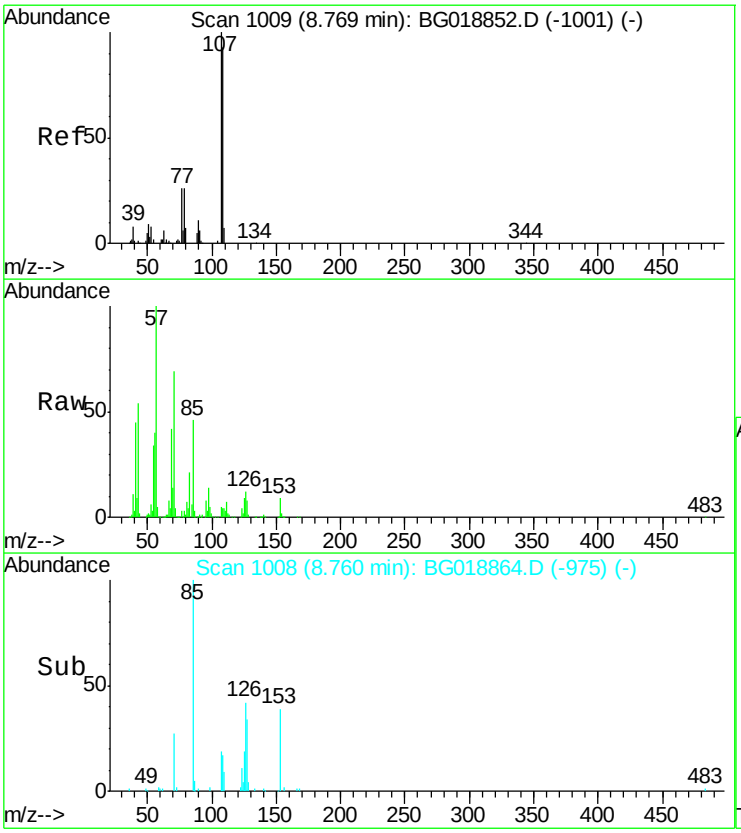

#14
Acetophenone
Concen: 1.69 ng/ul
RT: 8.95 min Scan# 1041
Delta R.T. 0.13 min
Lab File: BG018864.D
Acq: 23 Sep 2015 23:25

**Instrument :**
BNA_G
**ClientSampleId :**
BC2W1

Tgt Ion:105 Resp: 13008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 77 | 70.6 | 61.9 | 92.9 |
| 51 | 30.4 | 25.5 | 38.3 |

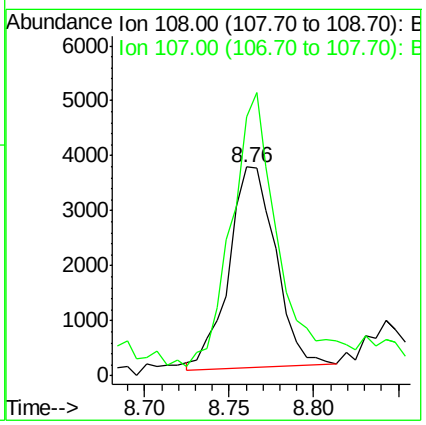


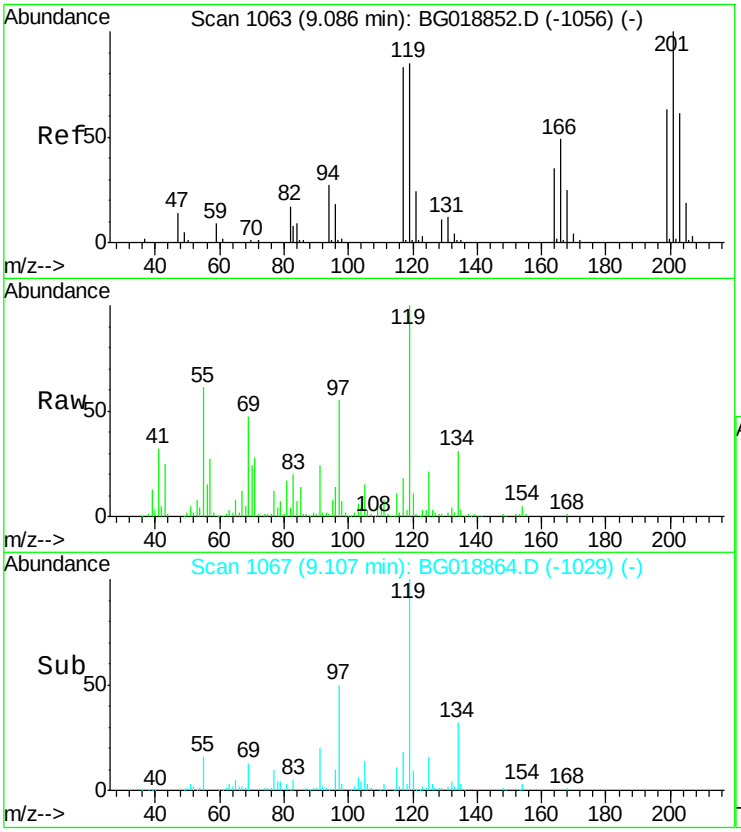




#16
4-Methylphenol
Concen: 1.29 ng/ul
RT: 8.76 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BG018864.D
Acq: 23 Sep 2015 23:25

Tgt Ion:108 Resp: 7024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 108 | 100 | | |
| 107 | 124.5 | 94.6 | 142.0 |



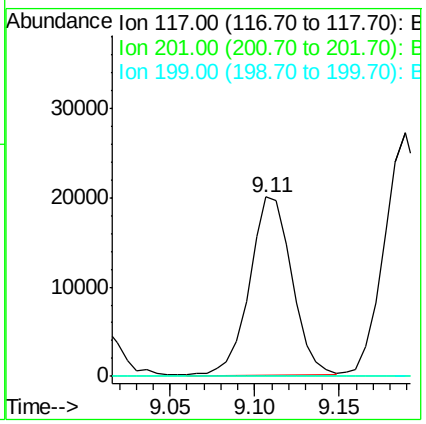


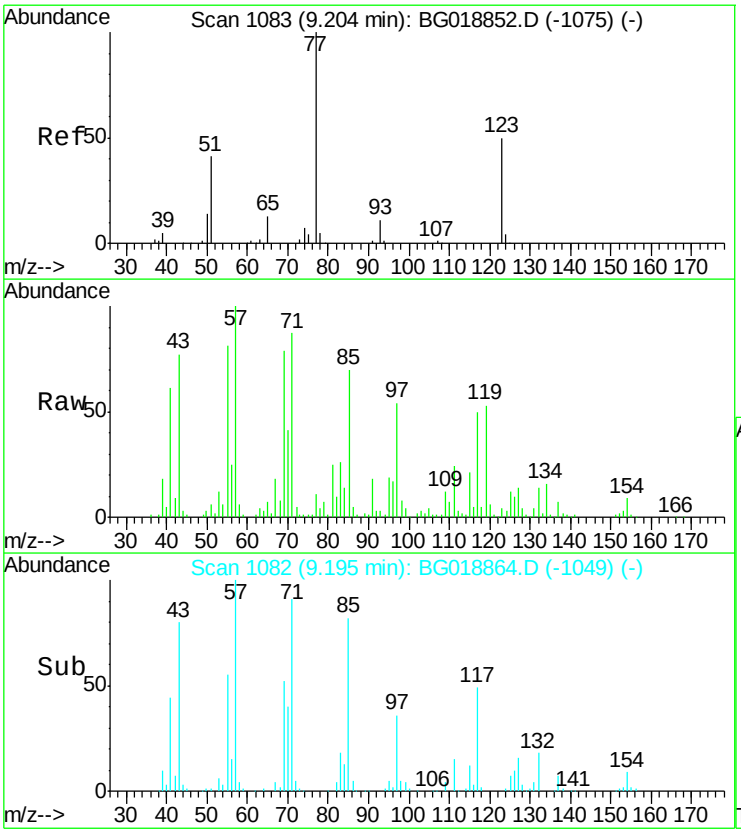

#17
Hexachloroethane
Concen: 17.87 ng/ul
RT: 9.11 min Scan# 1067
Delta R.T. 0.02 min
Lab File: BG018864.D
Acq: 23 Sep 2015 23:25

**Instrument :**
BNA_G
**ClientSampleId :**
BC2W1

Tgt Ion:117 Resp: 34717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 0.0 | 73.6 | 110.4# |
| 199 | 0.0 | 48.6 | 72.8# |

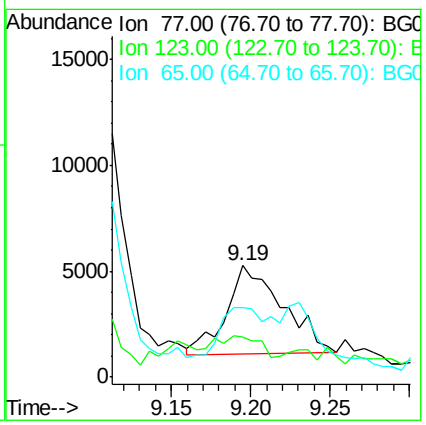


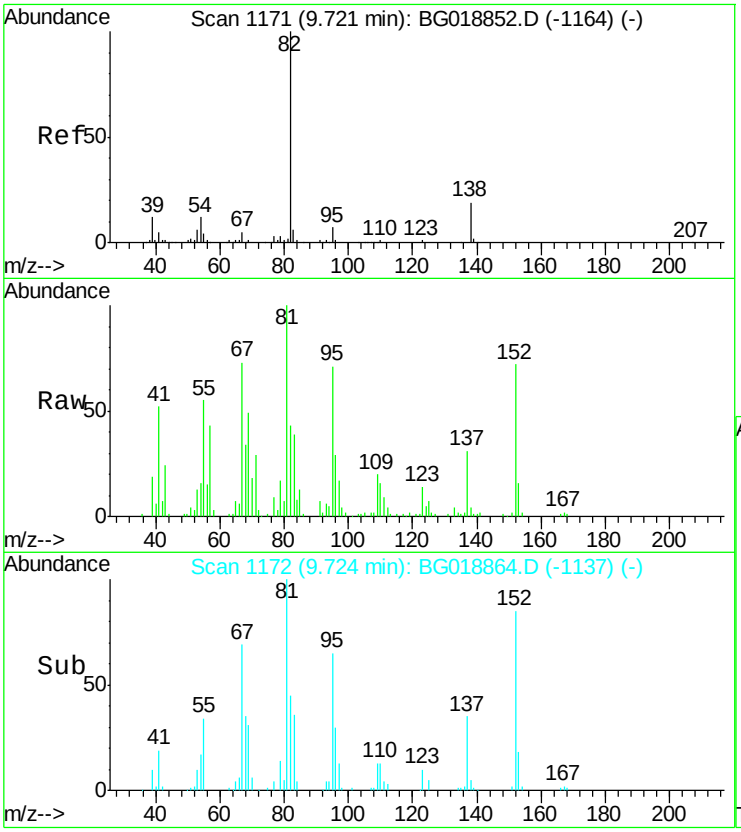




#20
Nitrobenzene
Concen: 1.70 ng/ul
RT: 9.19 min Scan# 1082
Delta R.T. -0.01 min
Lab File: BG018864.D
Acq: 23 Sep 2015 23:25

Tgt Ion: 77 Resp: 10380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 35.4 | 32.8 | 49.2 |
| 65 | 61.9 | 12.2 | 18.2# |



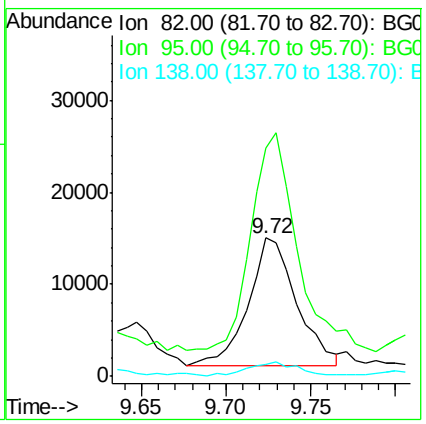


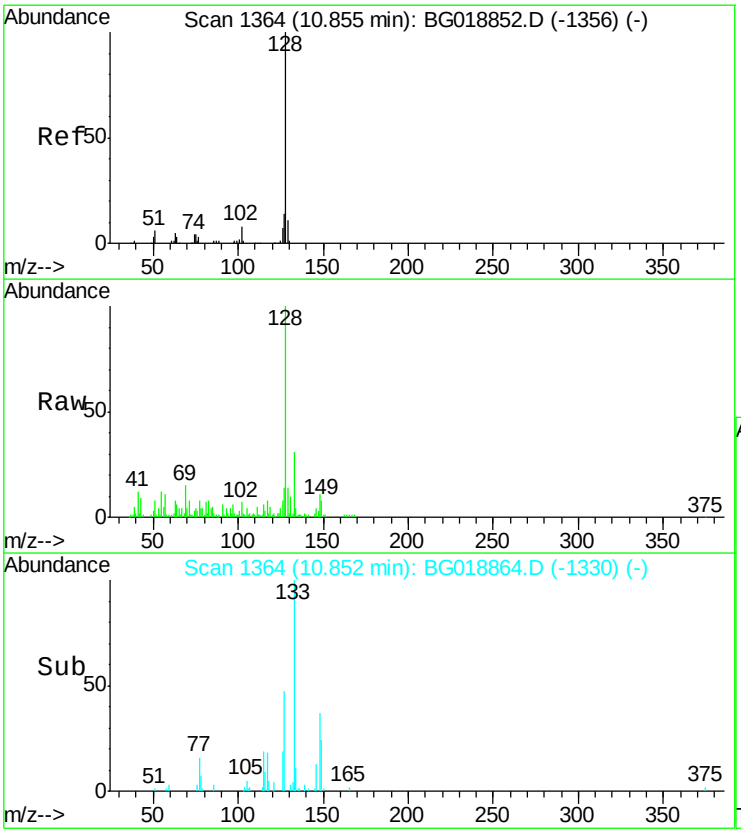

#21
Isophorone
Concen: 2.22 ng/ul
RT: 9.72 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BG018864.D
Acq: 23 Sep 2015 23:25

**Instrument :**
BNA_G
**ClientSampleId :**
BC2W1

Tgt Ion: 82 Resp: 27610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 165.1 | 5.2 | 7.8# |
| 138 | 9.1 | 13.8 | 20.8# |

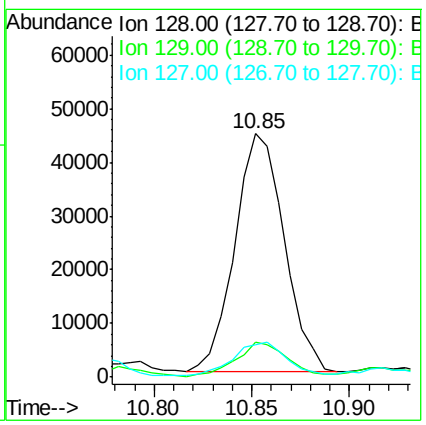


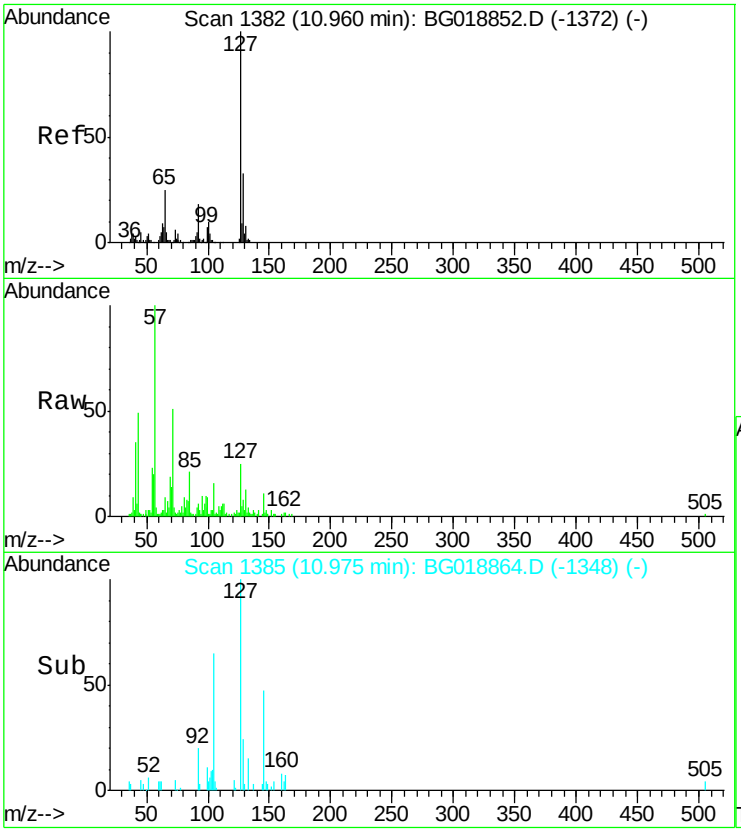




#28
Naphthalene
Concen: 4.37 ng/ul
RT: 10.85 min Scan# 1364
Delta R.T. -0.00 min
Lab File: BG018864.D
Acq: 23 Sep 2015 23:25

Tgt Ion:128 Resp: 77374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 14.2 | 9.6 | 14.4 |
| 127 | 13.6 | 10.5 | 15.7 |



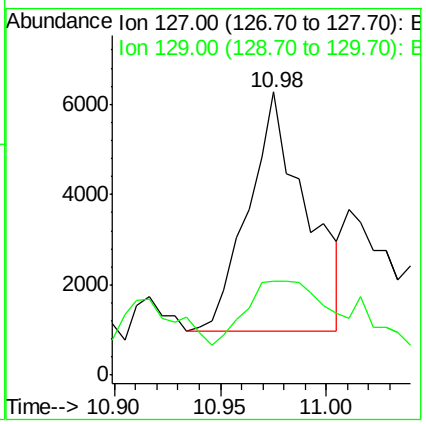


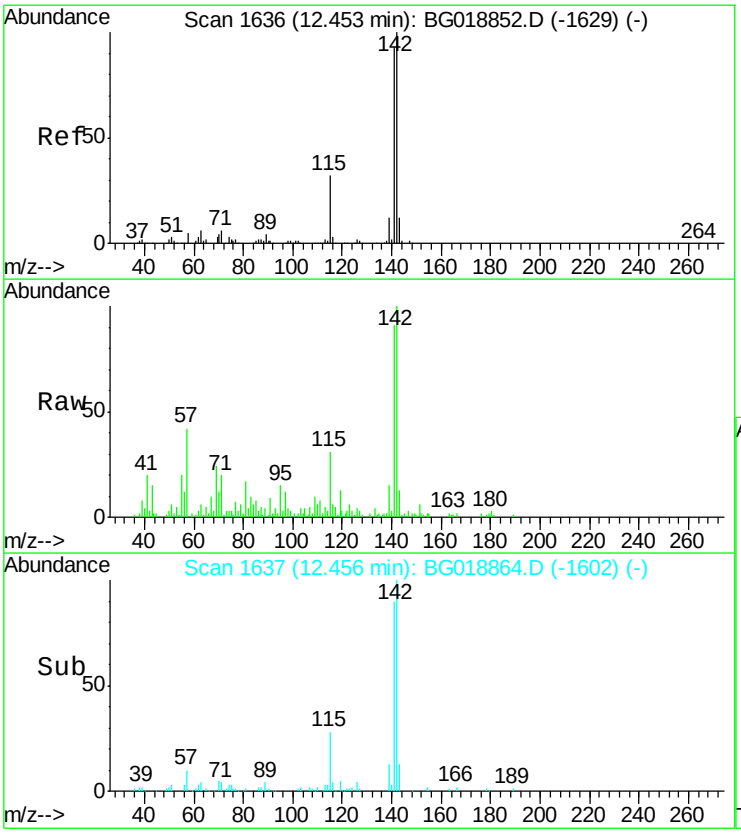

#30
4-Chloroaniline
Concen: 1.50 ng/ul
RT: 10.98 min Scan# 1385
Delta R.T. 0.01 min
Lab File: BG018864.D
Acq: 23 Sep 2015 23:25

**Instrument :**
BNA_G
**ClientSampleId :**
BC2W1

Tgt Ion:127 Resp: 10049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 33.0 | 26.7 | 40.1 |

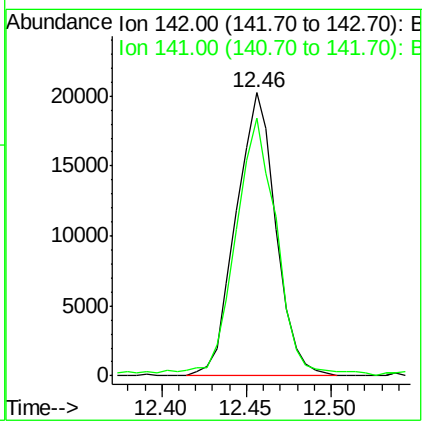


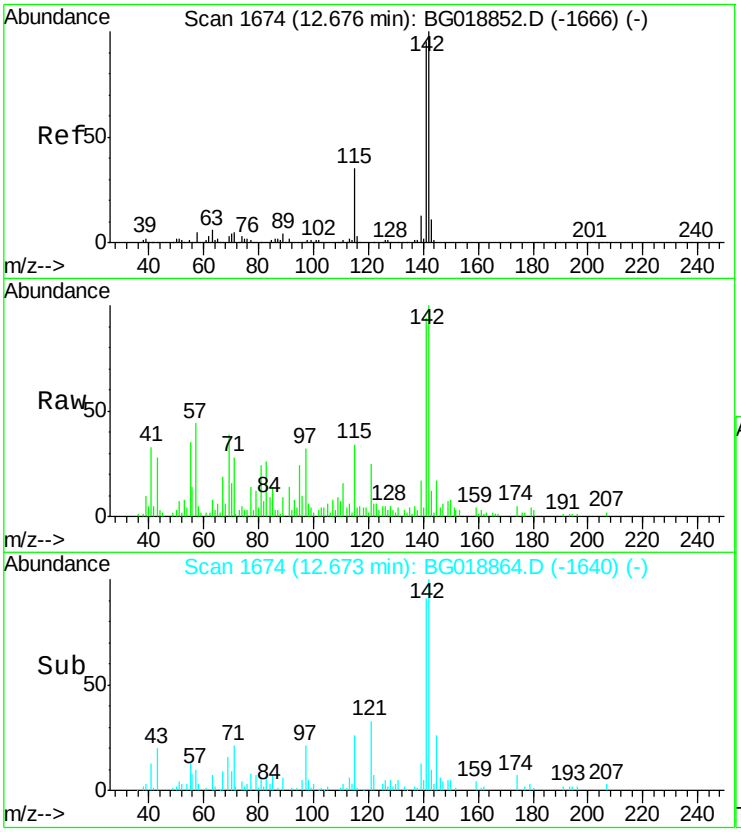




#34
2-Methylnaphthalene
Concen: 2.54 ng/ul
RT: 12.46 min Scan# 1637
Delta R.T. 0.00 min
Lab File: BG018864.D
Acq: 23 Sep 2015 23:25

Tgt Ion:142 Resp: 33160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.1 | 78.0 | 117.0 |



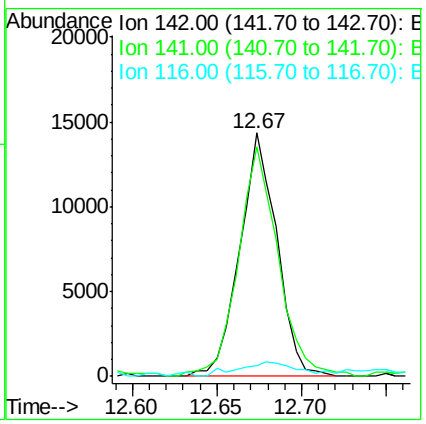


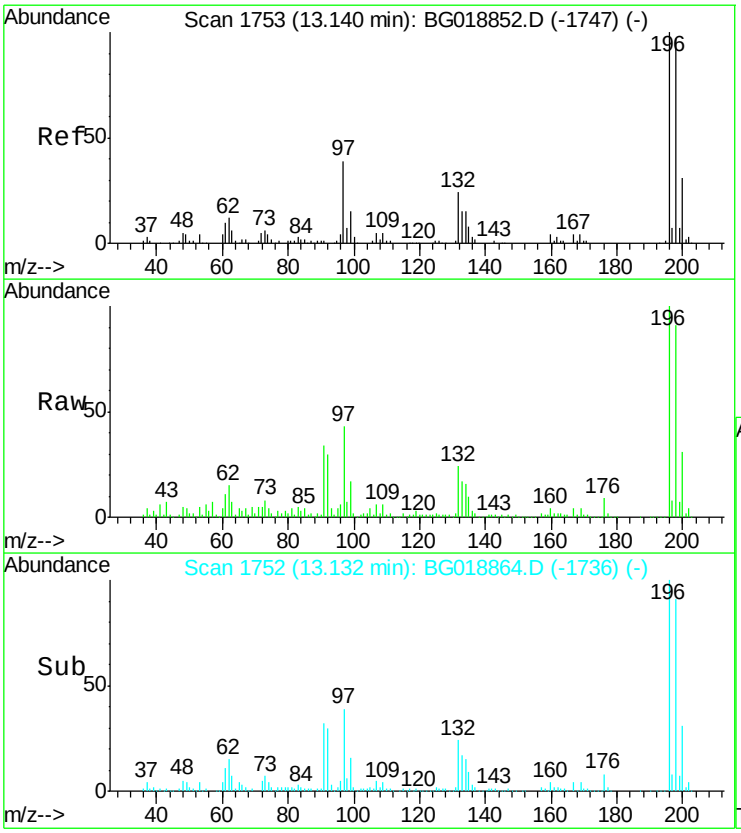

#35
1-Methylnaphthalene
Concen: 1.75 ng/ul
RT: 12.67 min Scan# 1674
Delta R.T. -0.00 min
Lab File: BG018864.D
Acq: 23 Sep 2015 23:25

**Instrument :**
BNA_G
**ClientSampleId :**
BC2W1

Tgt Ion:142 Resp: 21934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 94.0 | 77.1 | 115.7 |
| 116 | 4.2 | 3.5 | 5.3 |

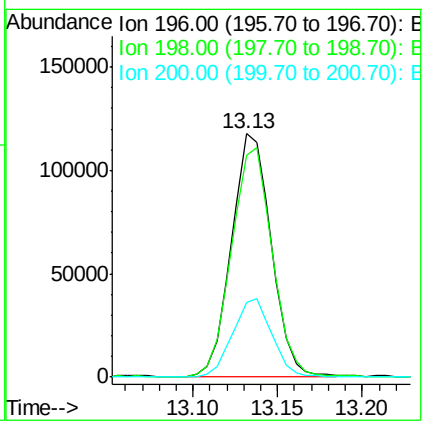


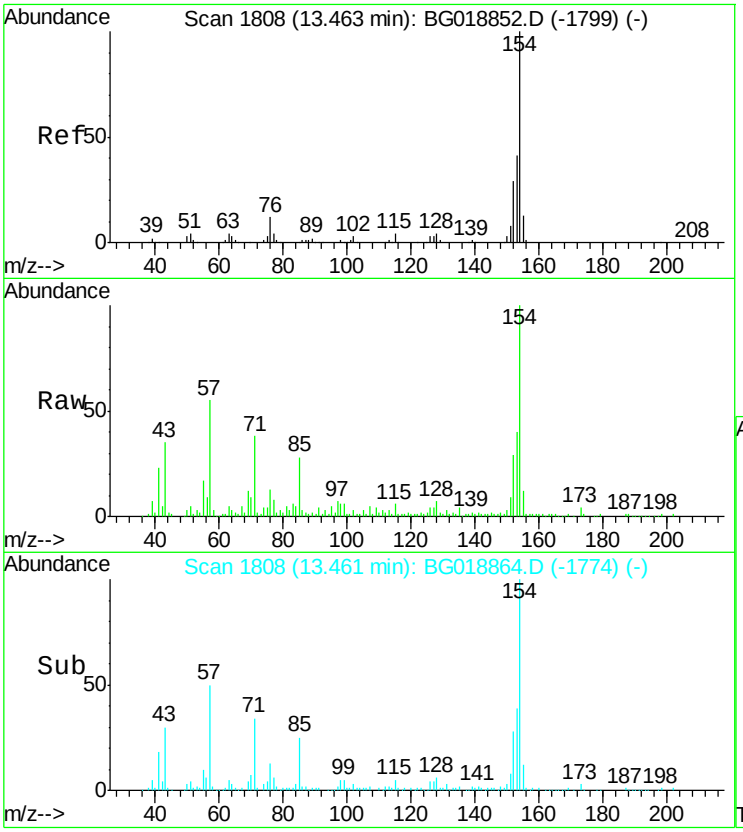




#40
2,4,5-Trichlorophenol
Concen: 39.20 ng/ul
RT: 13.13 min Scan# 1752
Delta R.T. -0.01 min
Lab File: BG018864.D
Acq: 23 Sep 2015 23:25

Tgt Ion:196 Resp: 192383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 91.0 | 74.2 | 111.4 |
| 200 | 30.9 | 25.2 | 37.8 |



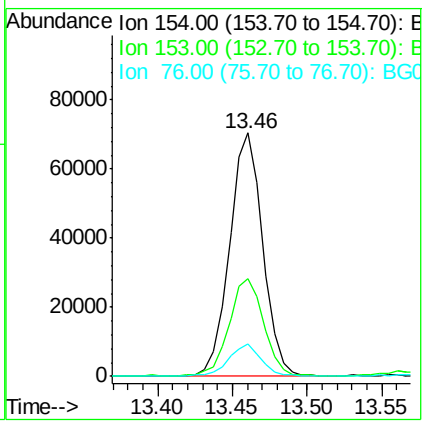


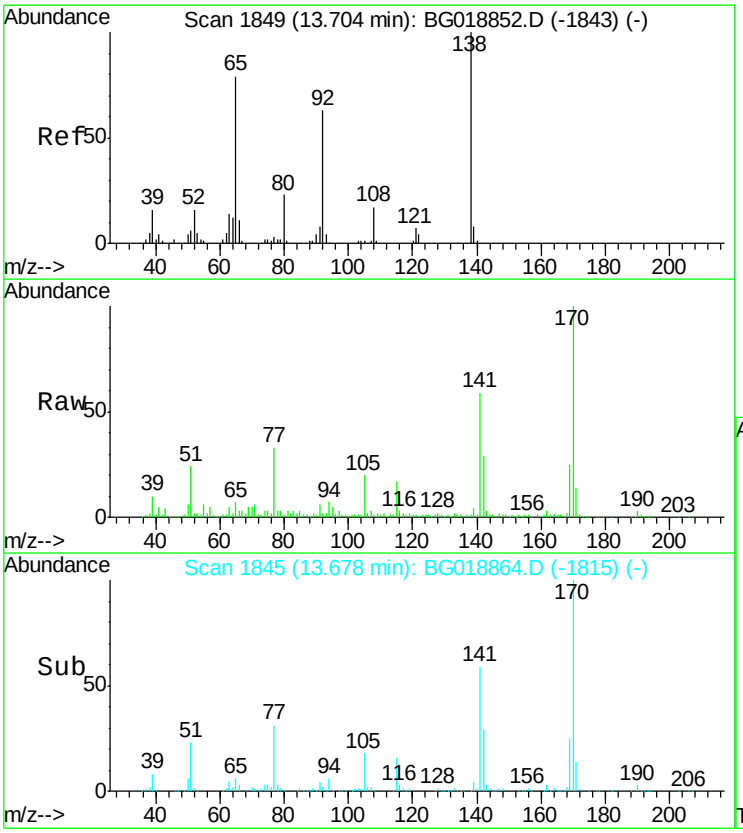

#41
1,1'-Biphenyl
Concen: 6.35 ng/ul
RT: 13.46 min Scan# 1808
Delta R.T. -0.00 min
Lab File: BG018864.D
Acq: 23 Sep 2015 23:25

**Instrument :**
BNA_G
**ClientSampleId :**
BC2W1

Tgt Ion:154 Resp: 108799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.0 | 35.2 | 52.8 |
| 76 | 13.3 | 10.6 | 16.0 |

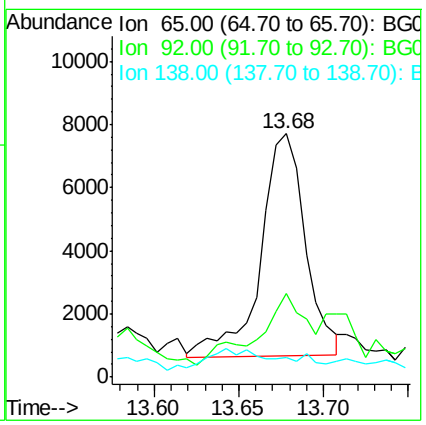


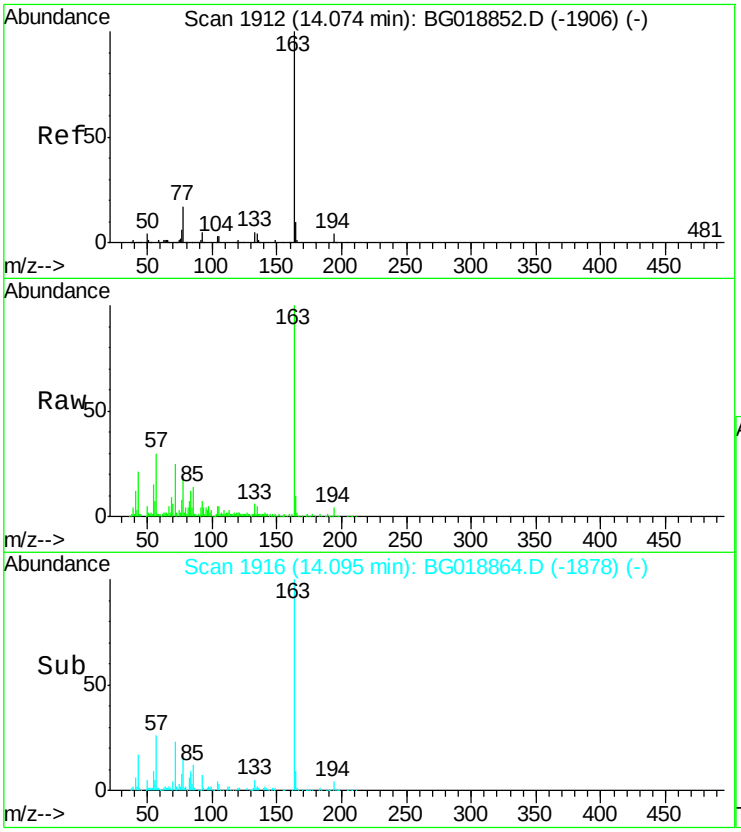




#43
2-Nitroaniline
Concen: 3.35 ng/ul
RT: 13.68 min Scan# 1845
Delta R.T. -0.03 min
Lab File: BG018864.D
Acq: 23 Sep 2015 23:25

Tgt Ion: 65 Resp: 12985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 34.4 | 51.1 | 76.7# |
| 138 | 8.2 | 75.1 | 112.7# |



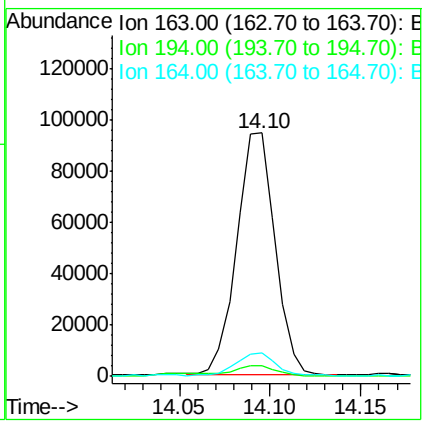


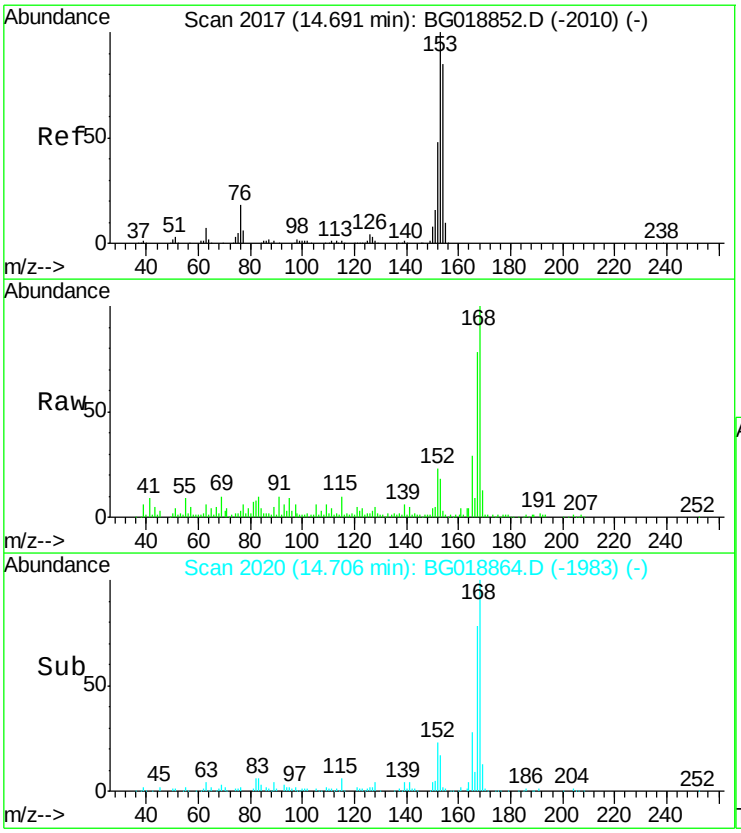

#45
Dimethylphthalate
Concen: 7.89 ng/ul
RT: 14.10 min Scan# 1916
Delta R.T. 0.02 min
Lab File: BG018864.D
Acq: 23 Sep 2015 23:25

**Instrument :**
BNA_G
**ClientSampleId :**
BC2W1

Tgt Ion:163 Resp: 139287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 2.9 | 4.3 |
| 164 | 9.9 | 7.7 | 11.5 |

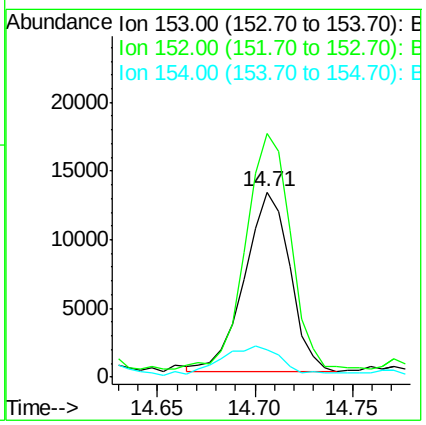


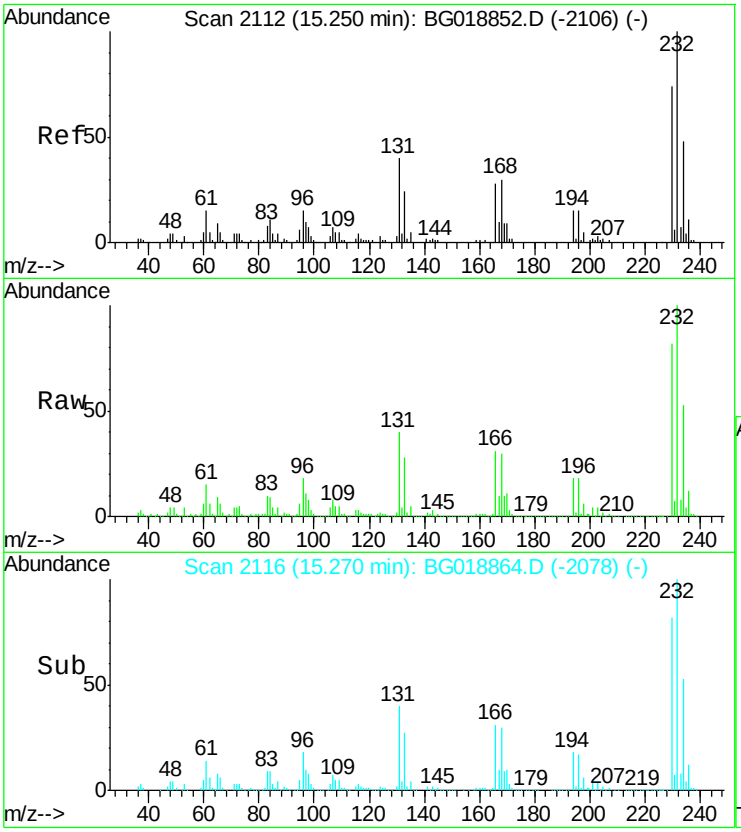




#50
Acenaphthene
Concen: 1.36 ng/ul
RT: 14.71 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BG018864.D
Acq: 23 Sep 2015 23:25

Tgt Ion:153 Resp: 21012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 131.5 | 38.2 | 57.4# |
| 154 | 14.8 | 68.6 | 103.0# |



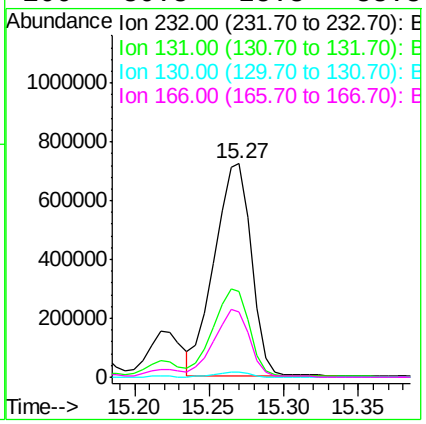


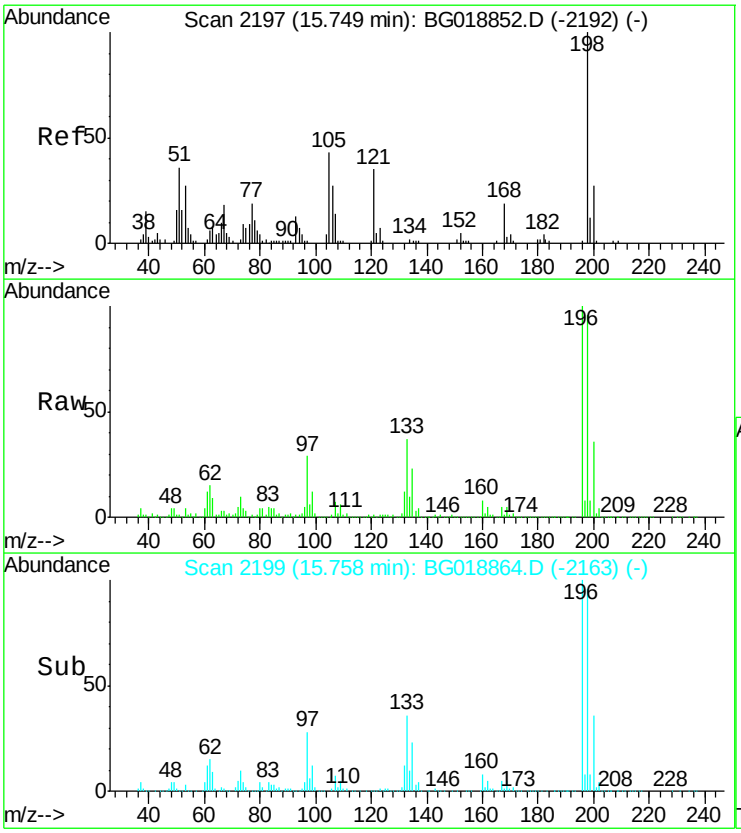

#56
2,3,4,6-Tetrachlorophenol
Concen: 265.43 ng/ul
RT: 15.27 min Scan# 2116
Delta R.T. 0.02 min
Lab File: BG018864.D
Acq: 23 Sep 2015 23:25

**Instrument :**
BNA_G
**ClientSampleId :**
BC2W1

Tgt Ion:232 Resp: 1258093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 40.3 | 37.4 | 56.0 |
| 130 | 2.4 | 1.4 | 2.0# |
| 166 | 30.8 | 25.8 | 38.8 |

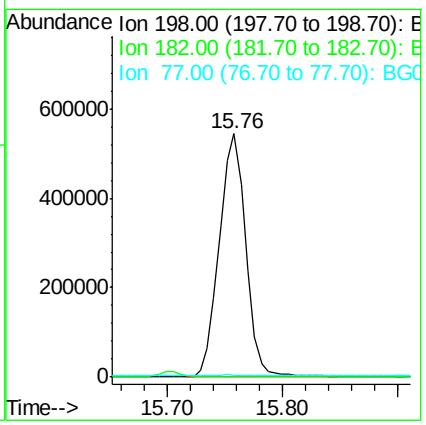


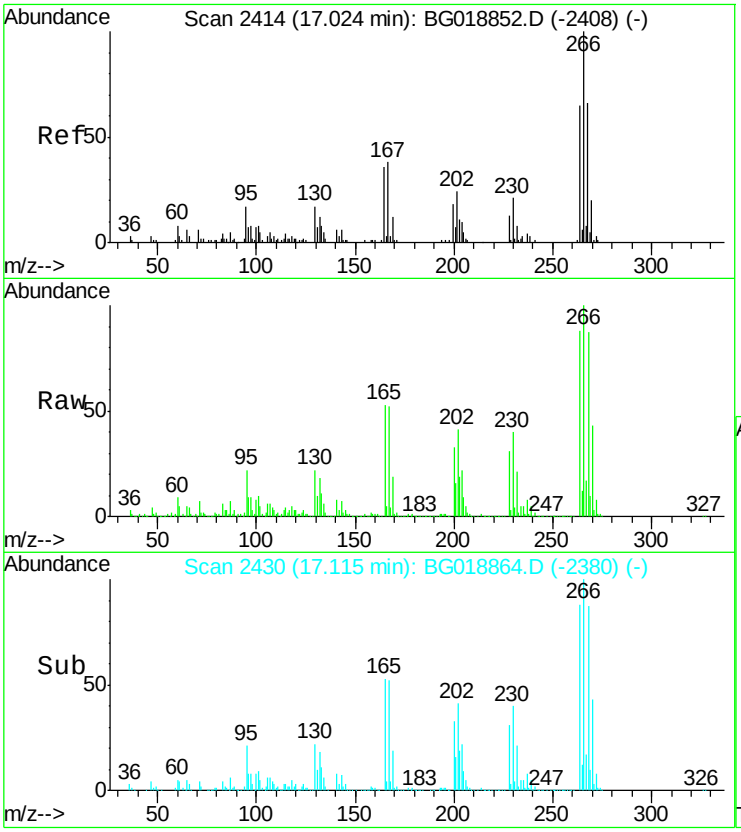




#64
4,6-Dinitro-2-methylphenol
Concen: 398.25 ng/ul
RT: 15.76 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BG018864.D
Acq: 23 Sep 2015 23:25

Tgt Ion:198 Resp: 864518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 182 | 0.1 | 3.4 | 5.0# |
| 77 | 0.9 | 22.4 | 33.6# |



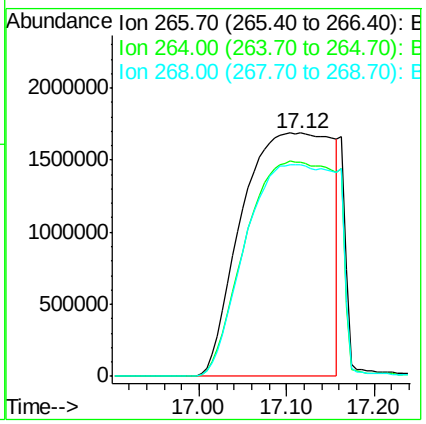


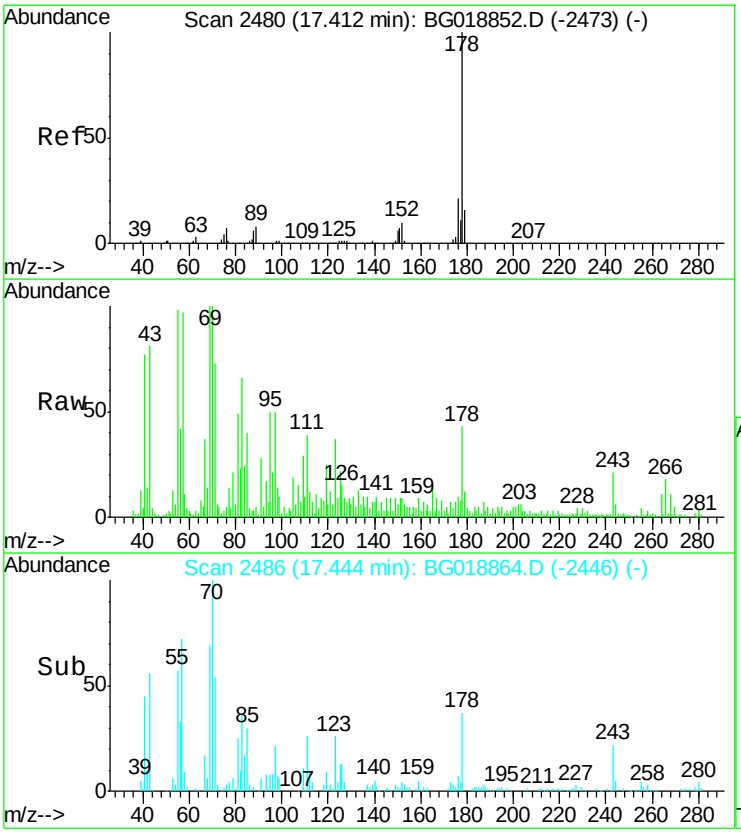

#69
Pentachlorophenol
Concen: 4208.87 ng/ul
RT: 17.12 min Scan# 2430
Delta R.T. 0.09 min
Lab File: BG018864.D
Acq: 23 Sep 2015 23:25

**Instrument :**
BNA_G
**ClientSampleId :**
BC2W1

Tgt Ion:266 Resp:11910808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 87.9 | 55.4 | 83.0# |
| 268 | 86.9 | 53.6 | 80.4# |

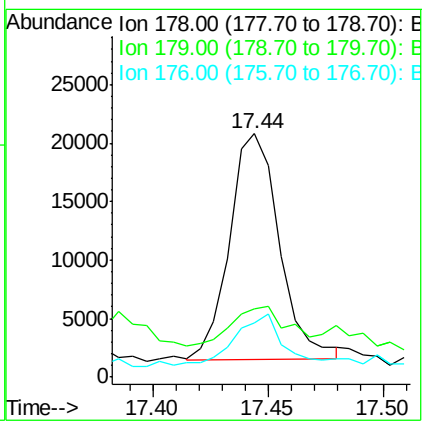


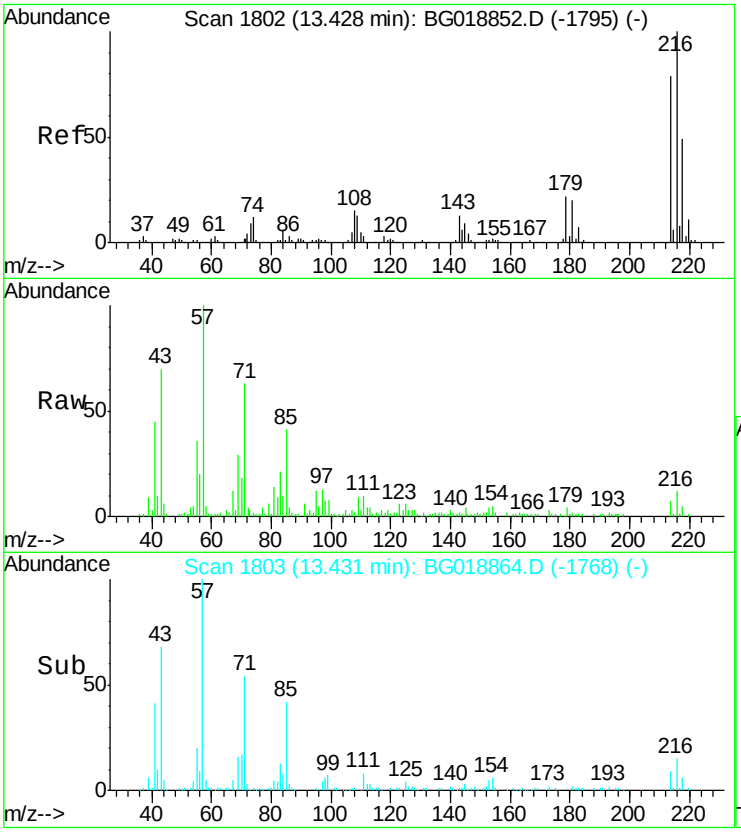




#70
Phenanthrene
Concen: 1.28 ng/ul
RT: 17.44 min Scan# 2486
Delta R.T. 0.03 min
Lab File: BG018864.D
Acq: 23 Sep 2015 23:25

Tgt Ion:178 Resp: 29180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 27.8 | 13.7 | 20.5# |
| 176 | 22.3 | 16.6 | 24.8 |



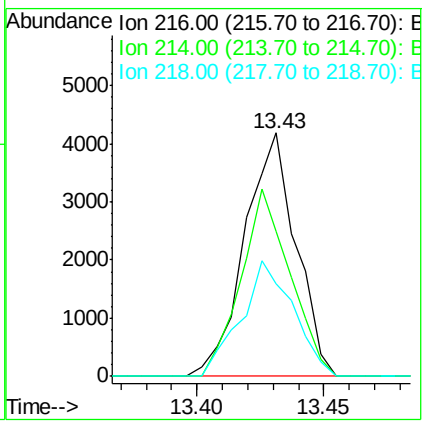


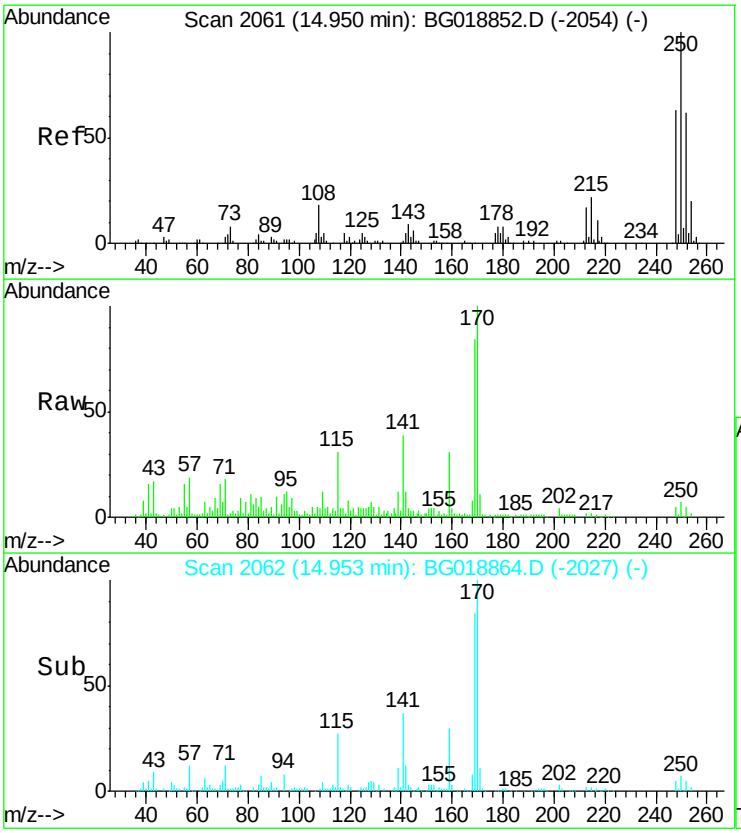

#73
1,2,3,4-Tetrachlorobenzene
Concen: 1.11 ng/uL
RT: 13.43 min Scan# 1803
Delta R.T. 0.00 min
Lab File: BG018864.D
Acq: 23 Sep 2015 23:25

**Instrument :**
BNA_G
**ClientSampleId :**
BC2W1

Tgt Ion:216 Resp: 5904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 64.1 | 64.0 | 96.0 |
| 218 | 38.1 | 38.7 | 58.1# |

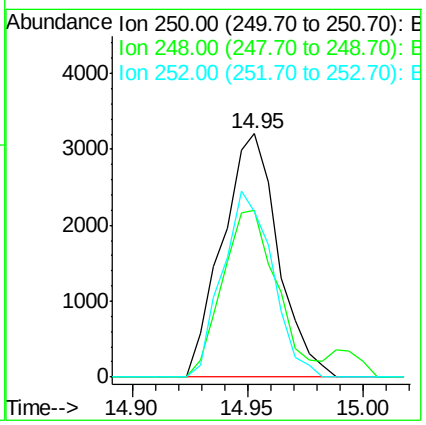


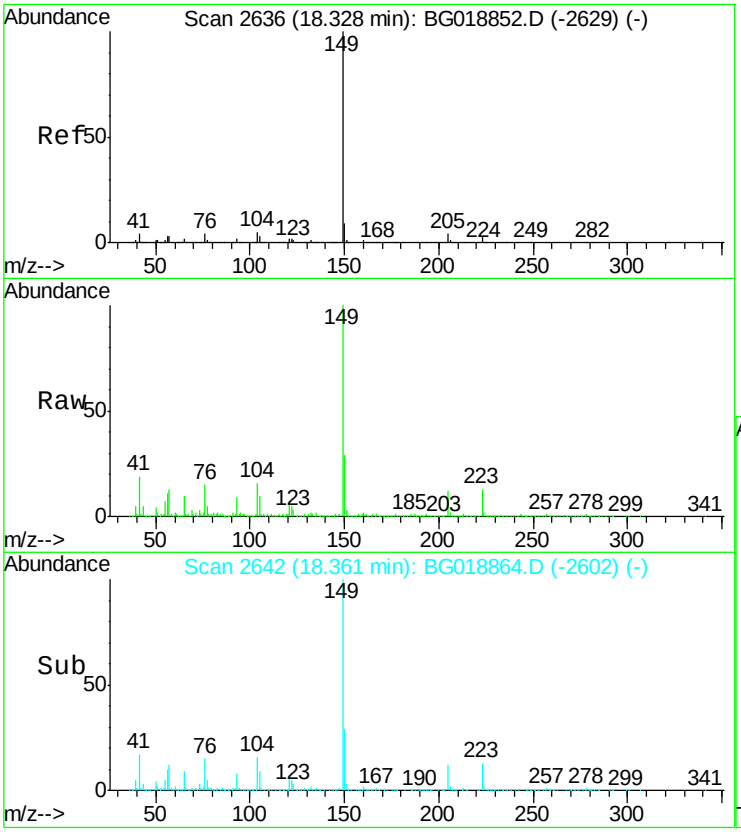




#74
Pentachlorobenzene
Concen: 1.04 ng/uL
RT: 14.95 min Scan# 2062
Delta R.T. 0.00 min
Lab File: BG018864.D
Acq: 23 Sep 2015 23:25

Tgt Ion:250 Resp: 5390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 250 | 100 | | |
| 248 | 64.8 | 45.8 | 68.8 |
| 252 | 64.4 | 50.4 | 75.6 |



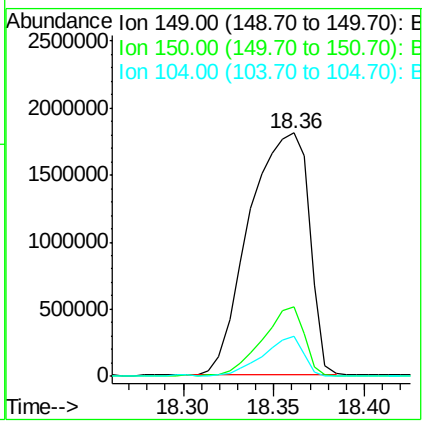


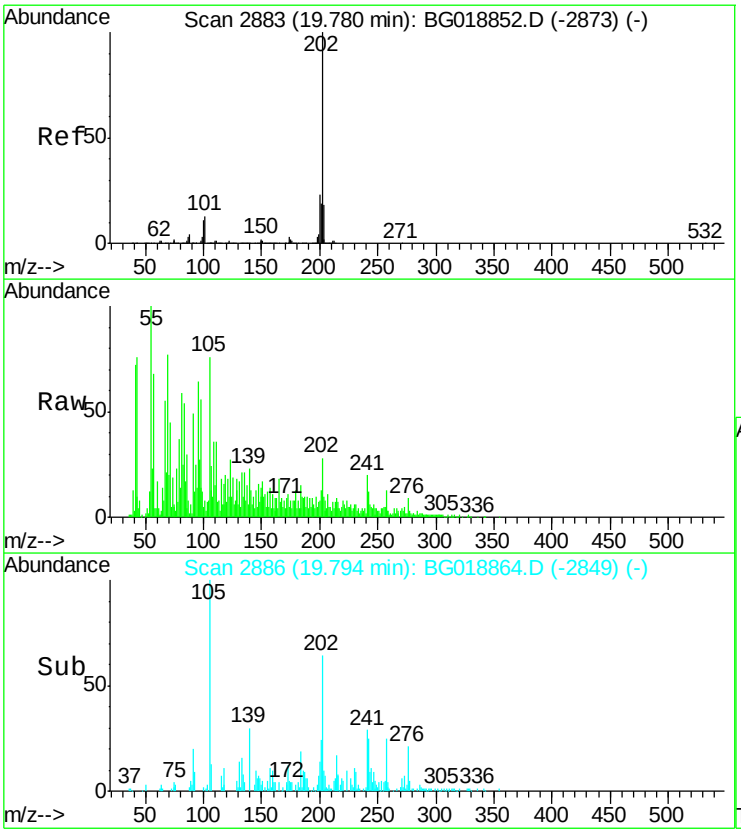

#76
Di-n-butylphthalate
Concen: 162.03 ng/ul
RT: 18.36 min Scan# 2642
Delta R.T. 0.03 min
Lab File: BG018864.D
Acq: 23 Sep 2015 23:25

**Instrument :**
BNA_G
**ClientSampleId :**
BC2W1

Tgt Ion:149 Resp: 4141407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 28.6 | 7.5 | 11.3# |
| 104 | 16.2 | 4.3 | 6.5# |

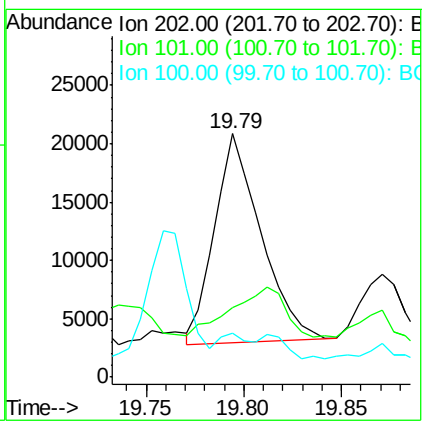


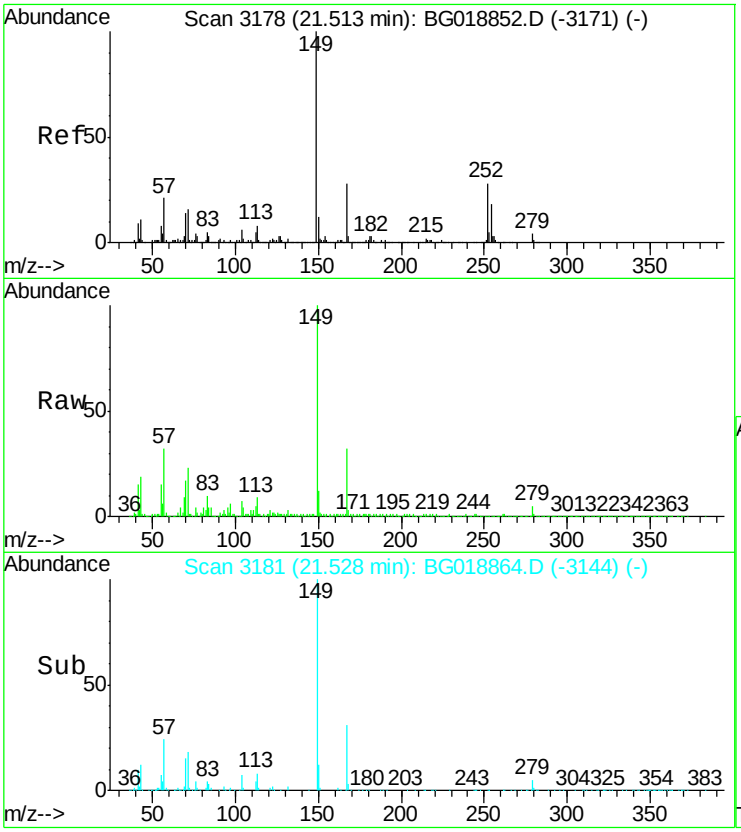




#80
Pyrene
Concen: 1.10 ng/ul
RT: 19.79 min Scan# 2886
Delta R.T. 0.01 min
Lab File: BG018864.D
Acq: 23 Sep 2015 23:25

Tgt Ion:202 Resp: 29464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 28.8 | 11.0 | 16.4# |
| 100 | 18.1 | 9.8 | 14.6# |



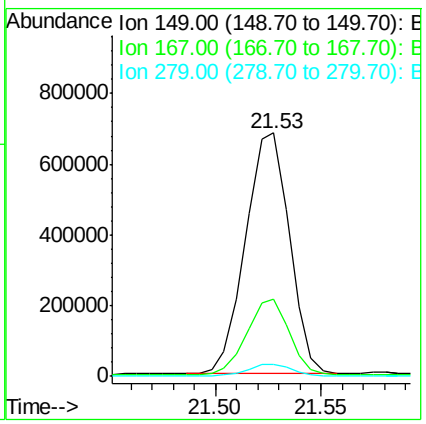


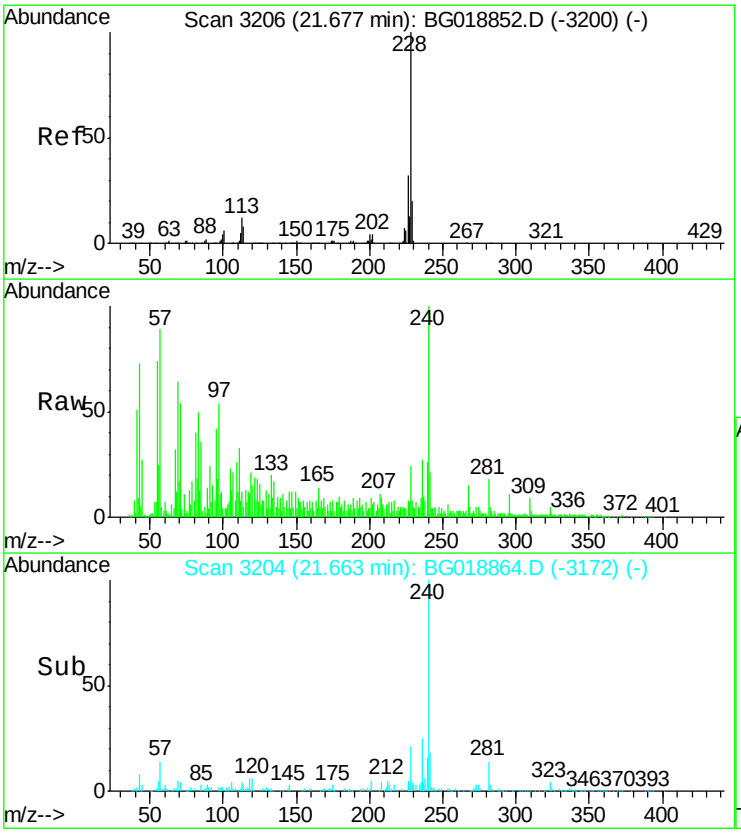

#84
Bis(2-ethylhexyl)phthalate
Concen: 64.50 ng/ul
RT: 21.53 min Scan# 3181
Delta R.T. 0.01 min
Lab File: BG018864.D
Acq: 23 Sep 2015 23:25

**Instrument :**
BNA_G
**ClientSampleId :**
BC2W1

Tgt Ion:149 Resp: 982361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 31.6 | 22.2 | 33.2 |
| 279 | 4.9 | 2.8 | 4.2# |




#85
Chrysene
Concen: 1.42 ng/ul
RT: 21.66 min Scan# 3204
Delta R.T. -0.01 min
Lab File: BG018864.D
Acq: 23 Sep 2015 23:25

Tgt Ion:228 Resp: 33176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.0 | 26.5 | 39.7 |
| 229 | 35.6 | 16.9 | 25.3# |