Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021912.D
Acq On : 16 May 2016 18:45
Operator : UM/SJ
Sample : H3095-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** D9XD9

Quant Time: May 17 01:36:59 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 17 01:35:08 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.17 | 152 | 86613 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.98 | 136 | 390004 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.79 | 164 | 214956 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.53 | 188 | 443613 | 20.00 | ng/ul | 0.00 |
| 76) Chrysene-d12 | 21.82 | 240 | 447044 | 20.00 | ng/ul | 0.00 |
| 84) Perylene-d12 | 25.17 | 264 | 441038 | 20.00 | ng/ul | 0.03 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.55 | 96 | 6216 | 3.46 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.32 | 99 | 140162 | 21.81 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.48 | 67 | 68345 | 21.45 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.69 | 132 | 133534 | 26.77 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.86 | 113 | 107511 | 19.92 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.33 | 128 | 67784 | 26.44 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.06 | 143 | 72552 | 44.80 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.70 | 165 | 341 | 0.07 | ng/ul | 0.10 |
| 29) 4-Chloroaniline-d4 | 11.12 | 131 | 42654 | 8.65 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.19 | 166 | 397509 | 26.33 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.49 | 160 | 543976 | 25.38 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.98 | 143 | 42257 | 16.33 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.78 | 176 | 363583 | 22.87 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.89 | 200 | 47526 | 38.68 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.63 | 188 | 503644 | 23.32 | ng/ul | 0.00 |
| 77) Pyrene-d10 | 19.91 | 212 | 529771 | 25.32 | ng/ul | 0.00 |
| 88) Benzo(a)pyrene-d12 | 24.94 | 264 | 501603 | 23.94 | ng/ul | 0.03 |
| **Target Compounds** | | | | | | Qvalue |
| 4) Benzaldehyde | 7.69 | 77 | 2007 | 2.87 | ng/ul | 89 |
| 45) Dimethylphthalate | 14.23 | 163 | 172354 | 11.21 | ng/ul | 97 |
| 55) 2,4-Dinitrotoluene | 14.79 | 165 | 29136 | 6.93 | ng/ul# | 26 |
| 64) 4,6-Dinitro-2-methylphenol | 15.82 | 198 | 1588 | 1.19 | ng/ul# | 83 |
| 70) Phenanthrene | 17.58 | 178 | 99643 | 4.11 | ng/ul | 98 |
| 75) Fluoranthene | 19.57 | 202 | 328973 | 11.94 | ng/ul | 96 |
| 78) Pyrene | 19.57 | 202 | 328973 | 12.72 | ng/ul | 97 |
| 79) Butylbenzylphthalate | 20.81 | 149 | 6145 | 1.07 | ng/ul# | 79 |
| 81) Benzo(a)anthracene | 21.79 | 228 | 185658 | 7.46 | ng/ul | 96 |
| 82) Bis(2-ethylhexyl)phthalate | 21.68 | 149 | 25099 | 2.69 | ng/ul# | 87 |
| 83) Chrysene | 21.86 | 228 | 200433 | 8.14 | ng/ul | 93 |
| 86) Benzo(b)fluoranthene | 24.10 | 252 | 344164 | 13.63 | ng/ul# | 86 |
| 87) Benzo(k)fluoranthene | 24.10 | 252 | 344164 | 12.73 | ng/ul# | 86 |
| 89) Benzo(a)pyrene | 25.01 | 252 | 201098 | 8.00 | ng/ul# | 89 |
| 90) Indeno(1,2,3-cd)pyrene | 29.01 | 276 | 66858 | 2.24 | ng/ul# | 88 |
| 92) Benzo(g,h,i)perylene | 30.21 | 276 | 56467 | 2.30 | ng/ul# | 83 |

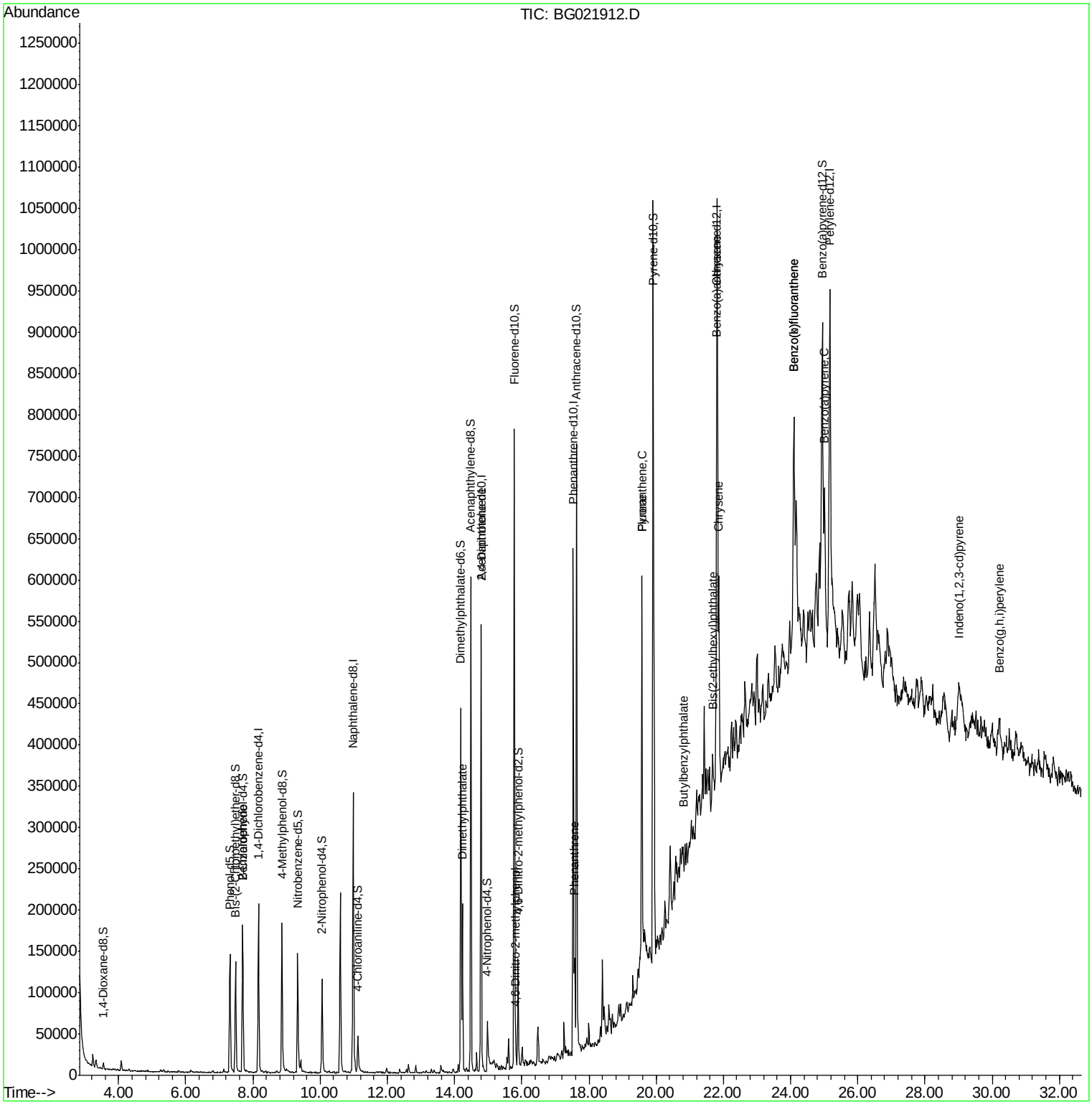
(#) = qualifier out of range (m) = manual integration (+) = signals summed

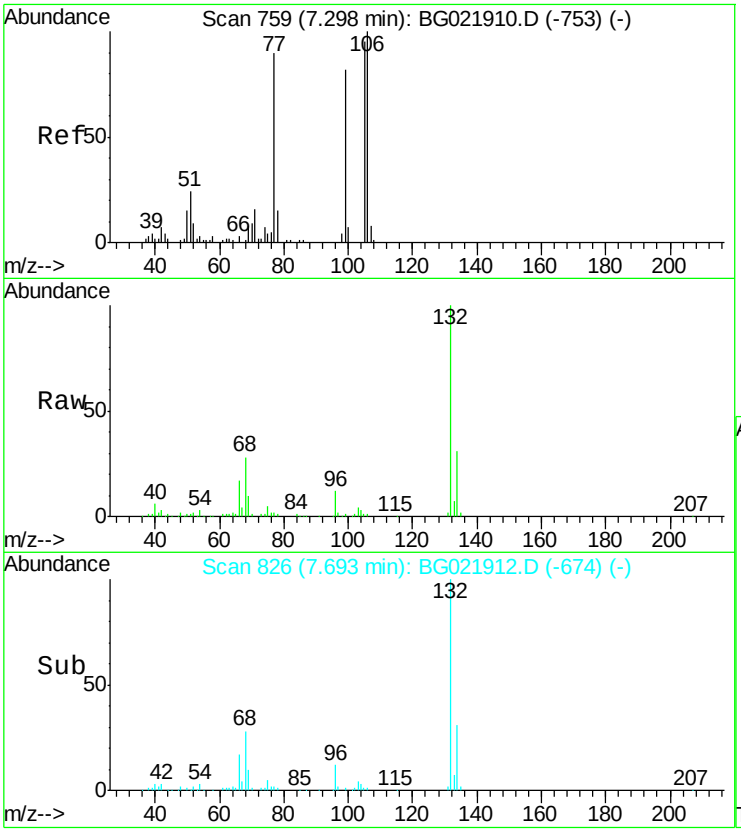
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021912.D
Acq On : 16 May 2016 18:45
Operator : UM/SJ
Sample : H3095-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** D9XD9

Quant Time: May 17 01:36:59 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 17 01:35:08 2016
Response via : Initial Calibration



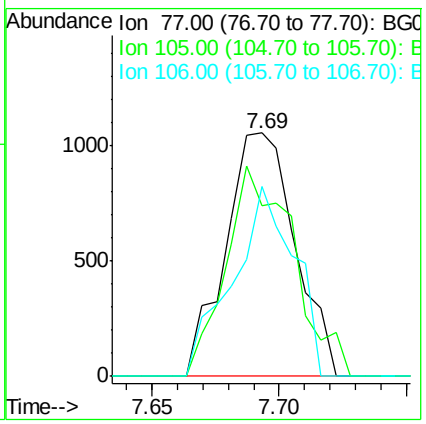


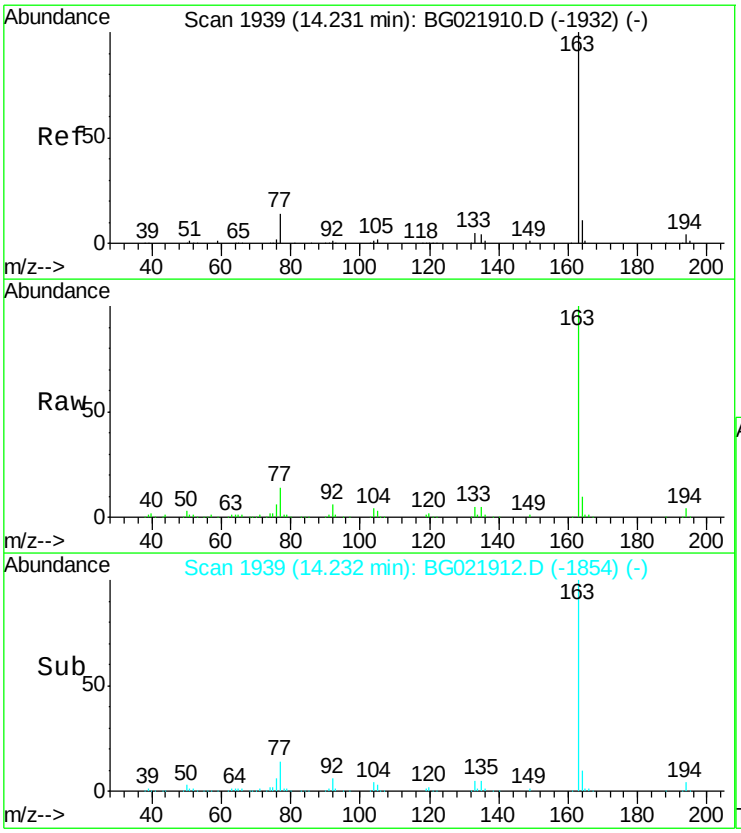

#4
Benzaldehyde
Concen: 2.87 ng/ul
RT: 7.69 min Scan# 826
Delta R.T. 0.40 min
Lab File: BG021912.D
Acq: 16 May 2016 18:45

**Instrument :**
BNA_G
**ClientSampleId :**
D9XD9

Tgt Ion: 77 Resp: 2007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 70.1 | 68.5 | 102.7 |
| 106 | 77.8 | 65.0 | 97.4 |

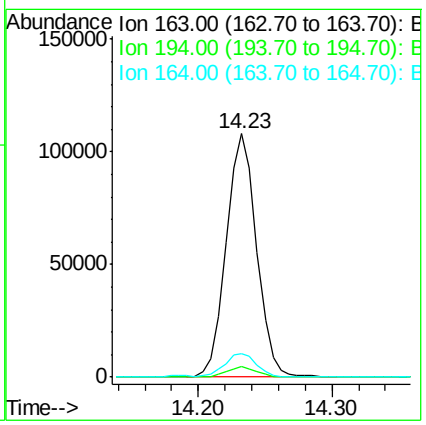


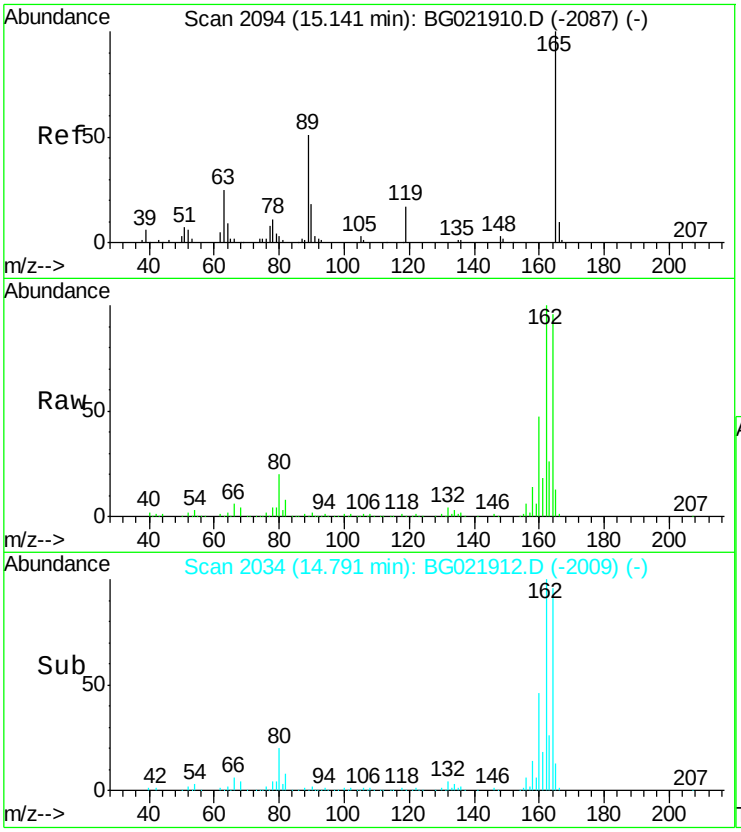




#45
Dimethylphthalate
Concen: 11.21 ng/ul
RT: 14.23 min Scan# 1939
Delta R.T. 0.00 min
Lab File: BG021912.D
Acq: 16 May 2016 18:45

Tgt Ion:163 Resp: 172354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.9 | 5.9 |
| 164 | 9.7 | 8.7 | 13.1 |



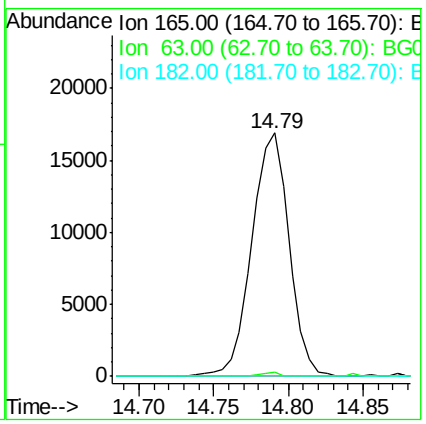


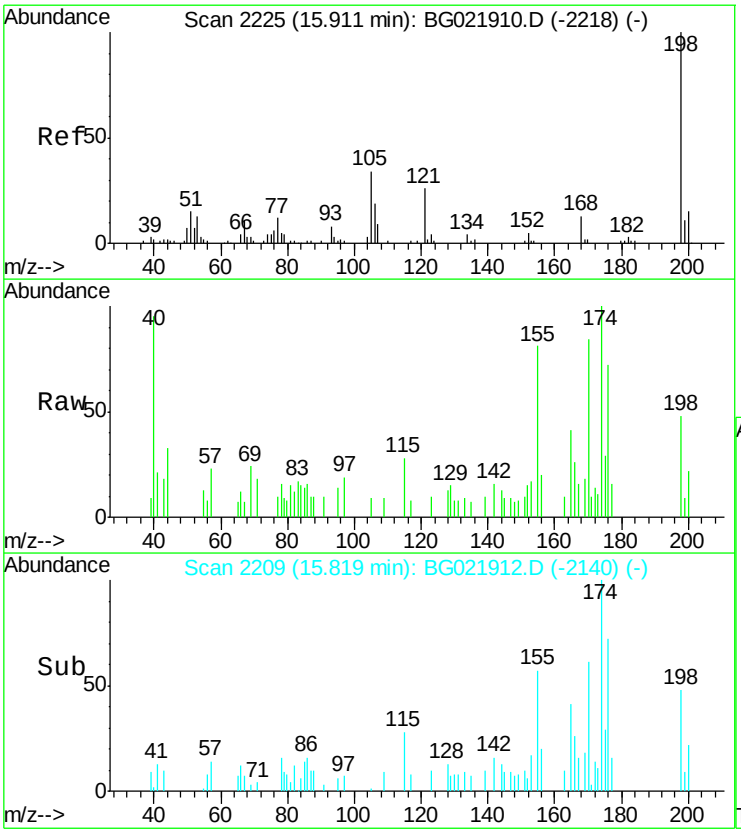

#55
2,4-Dinitrotoluene
Concen: 6.93 ng/ul
RT: 14.79 min Scan# 2034
Delta R.T. -0.35 min
Lab File: BG021912.D
Acq: 16 May 2016 18:45

**Instrument :**
BNA_G
**ClientSampleId :**
D9XD9

Tgt Ion:165 Resp: 29136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.6 | 48.1 | 72.1# |
| 182 | 0.0 | 2.2 | 3.2# |

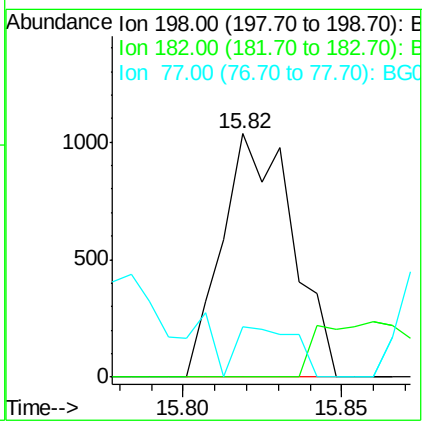


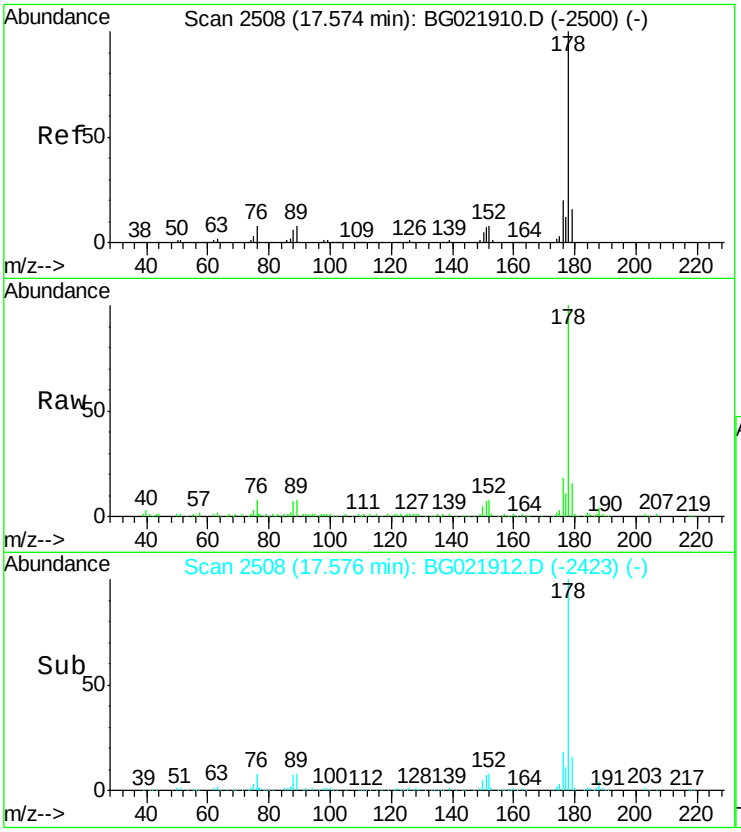




#64
4,6-Dinitro-2-methylphenol
Concen: 1.19 ng/ul
RT: 15.82 min Scan# 2209
Delta R.T. -0.09 min
Lab File: BG021912.D
Acq: 16 May 2016 18:45

Tgt Ion:198 Resp: 1588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 182 | 0.0 | 3.8 | 5.8# |
| 77 | 20.7 | 24.2 | 36.4# |



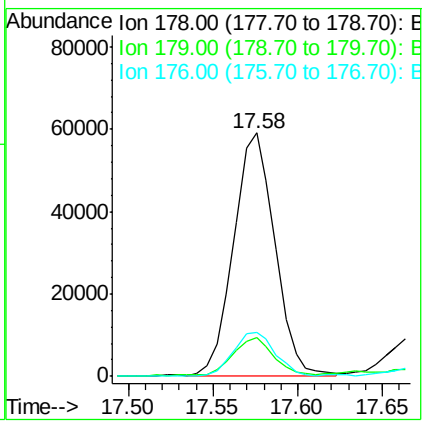


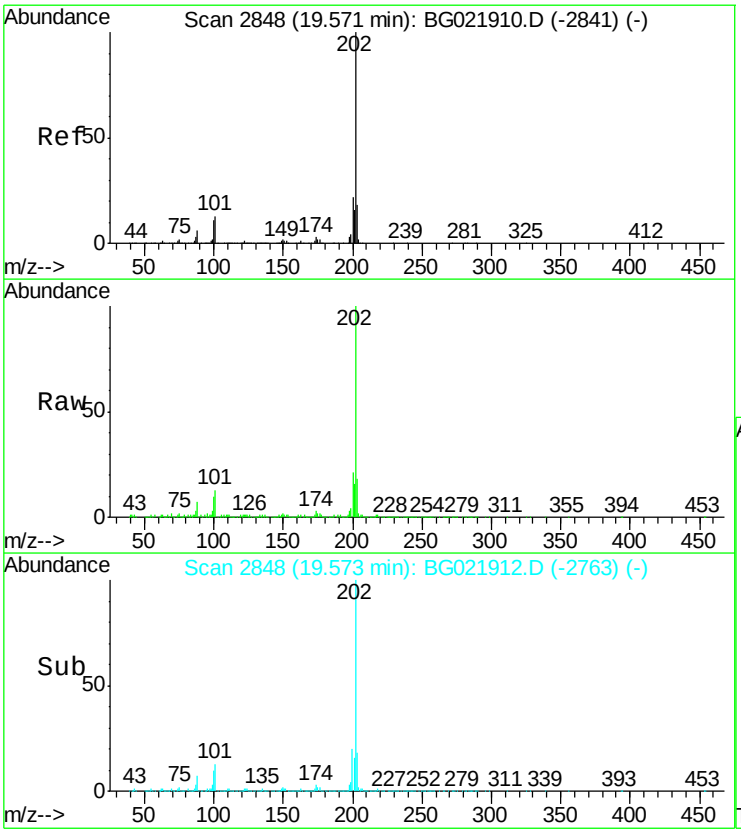

#70
Phenanthrene
Concen: 4.11 ng/ul
RT: 17.58 min Scan# 2508
Delta R.T. 0.00 min
Lab File: BG021912.D
Acq: 16 May 2016 18:45

**Instrument :**
BNA_G
**ClientSampleId :**
D9XD9

Tgt Ion:178 Resp: 99643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.7 | 11.8 | 17.8 |
| 176 | 18.1 | 14.8 | 22.2 |

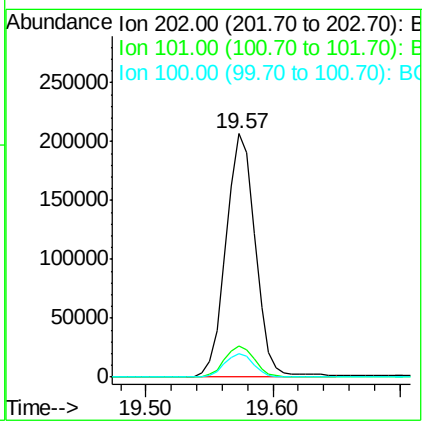


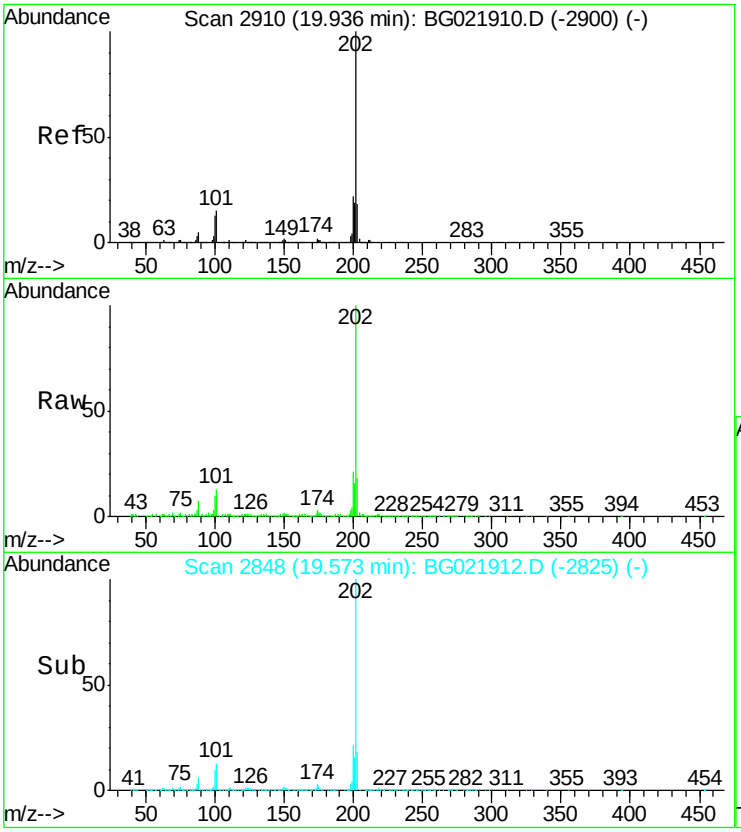




#75
Fluoranthene
Concen: 11.94 ng/ul
RT: 19.57 min Scan# 2848
Delta R.T. 0.00 min
Lab File: BG021912.D
Acq: 16 May 2016 18:45

Tgt Ion:202 Resp: 328973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.8 | 8.9 | 13.3 |
| 100 | 9.7 | 7.0 | 10.4 |



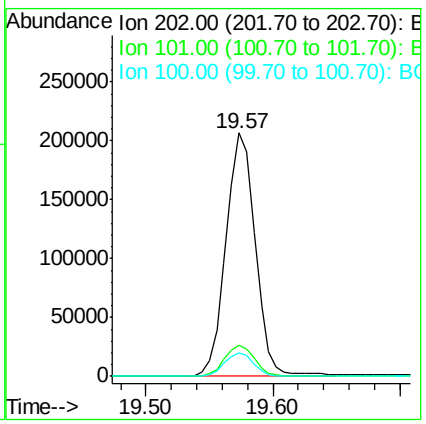


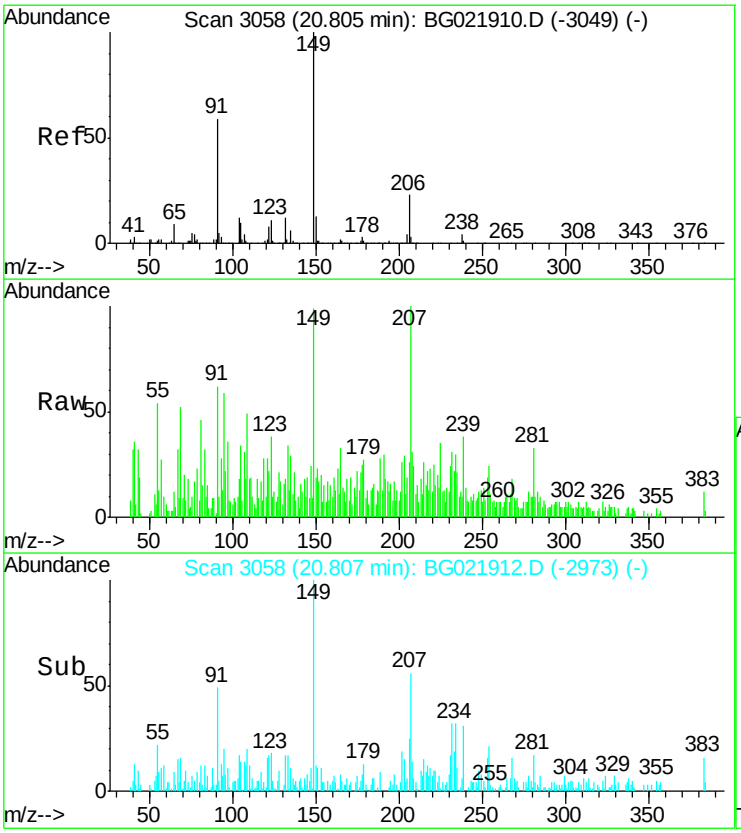

#78
Pyrene
Concen: 12.72 ng/ul
RT: 19.57 min Scan# 2848
Delta R.T. -0.36 min
Lab File: BG021912.D
Acq: 16 May 2016 18:45

**Instrument :**
BNA_G
**ClientSampleId :**
D9XD9

Tgt Ion:202 Resp: 328973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.8 | 9.8 | 14.8 |
| 100 | 9.7 | 9.3 | 13.9 |

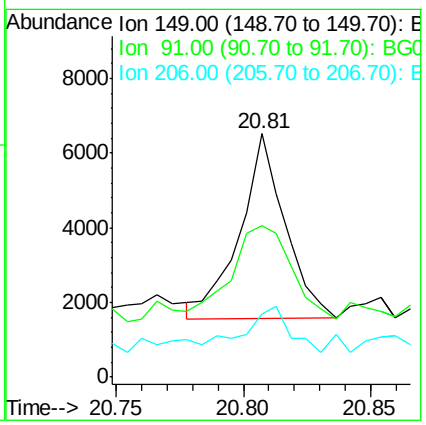


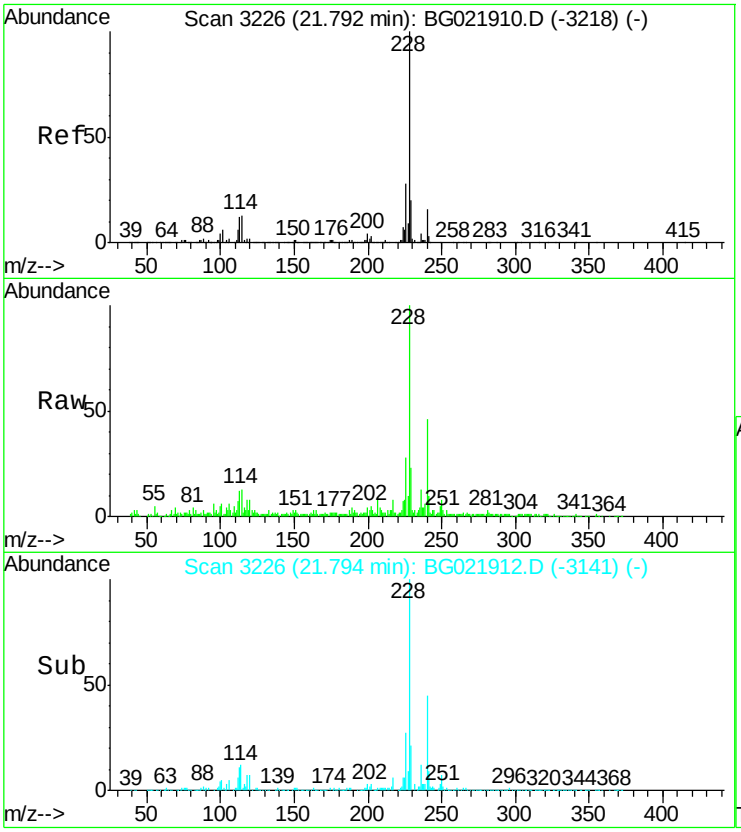




#79
Butylbenzylphthalate
Concen: 1.07 ng/ul
RT: 20.81 min Scan# 3058
Delta R.T. 0.00 min
Lab File: BG021912.D
Acq: 16 May 2016 18:45

Tgt Ion:149 Resp: 6145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 62.3 | 65.8 | 98.8# |
| 206 | 25.9 | 15.5 | 23.3# |



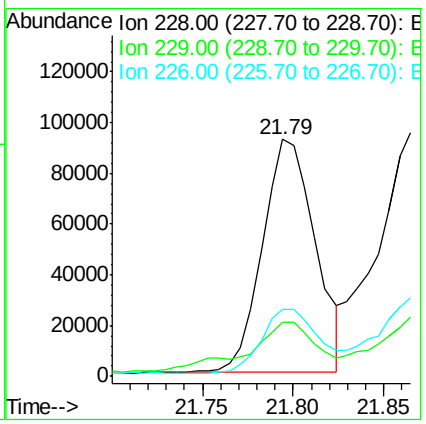


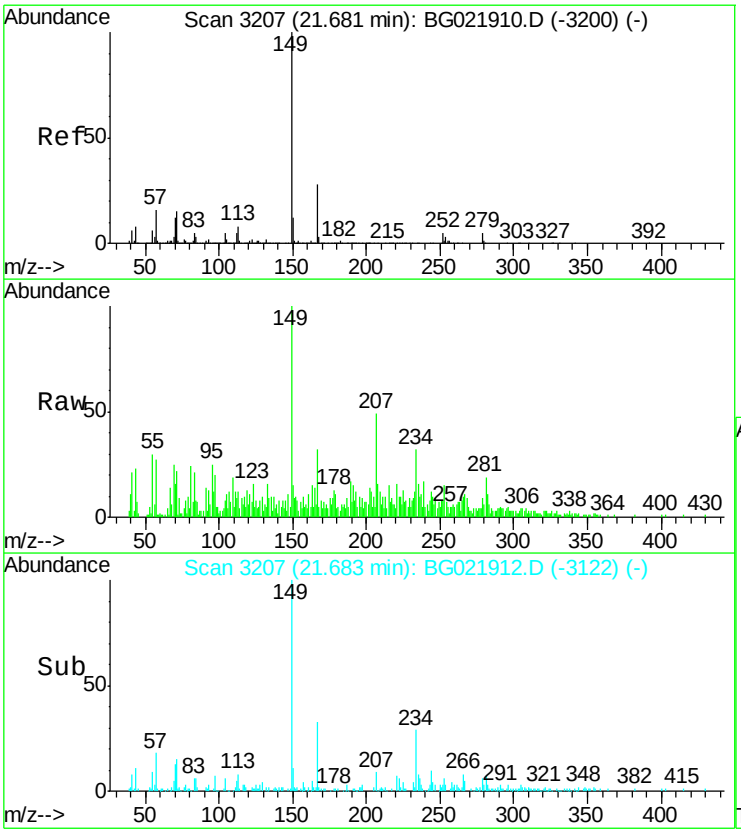

#81
Benzo(a)anthracene
Concen: 7.46 ng/ul
RT: 21.79 min Scan# 3226
Delta R.T. 0.00 min
Lab File: BG021912.D
Acq: 16 May 2016 18:45

**Instrument :**
BNA_G
**ClientSampleId :**
D9XD9

Tgt Ion:228 Resp: 185658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 22.9 | 16.6 | 25.0 |
| 226 | 28.1 | 21.0 | 31.4 |

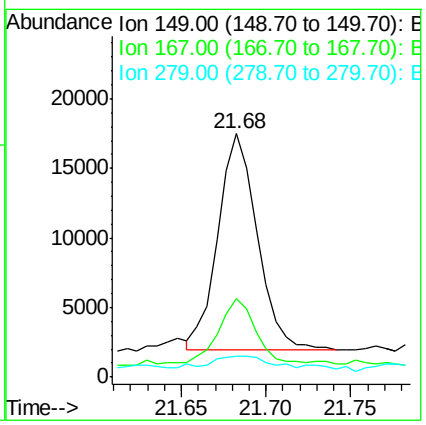


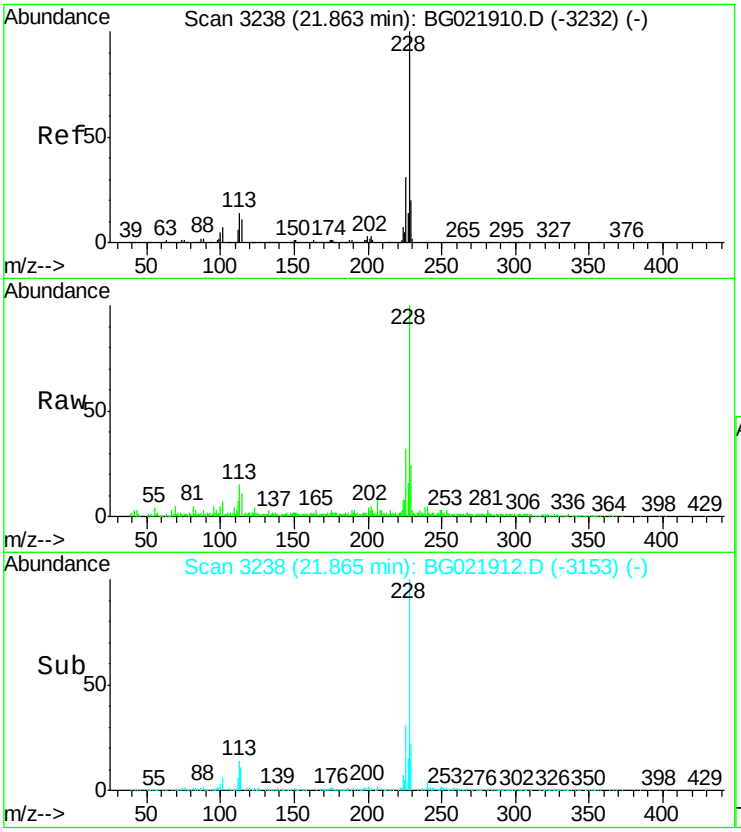




#82
Bis(2-ethylhexyl)phthalate
Concen: 2.69 ng/ul
RT: 21.68 min Scan# 3207
Delta R.T. 0.00 min
Lab File: BG021912.D
Acq: 16 May 2016 18:45

Tgt Ion:149 Resp: 25099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 32.4 | 20.5 | 30.7# |
| 279 | 8.7 | 3.7 | 5.5# |



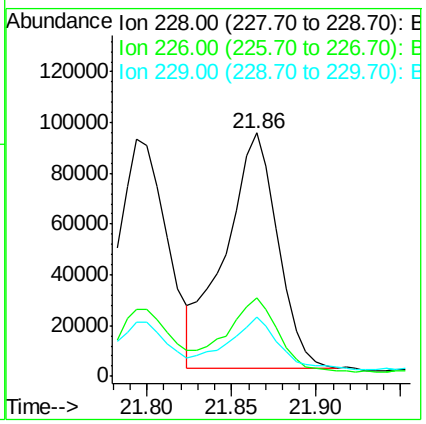


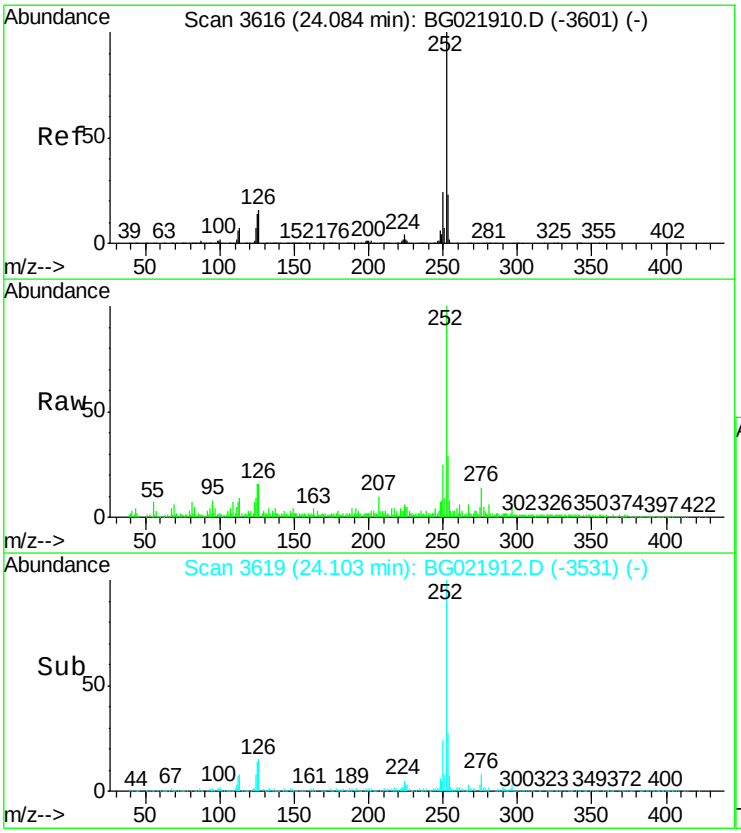

#83
Chrysene
Concen: 8.14 ng/ul
RT: 21.86 min Scan# 3238
Delta R.T. 0.00 min
Lab File: BG021912.D
Acq: 16 May 2016 18:45

**Instrument :**
BNA_G
**ClientSampleId :**
D9XD9

Tgt Ion:228 Resp: 200433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.3 | 23.4 | 35.2 |
| 229 | 24.2 | 16.2 | 24.2 |

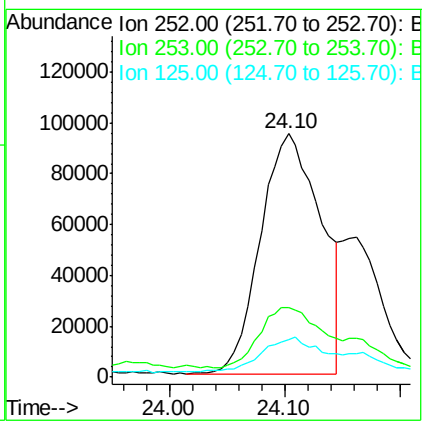


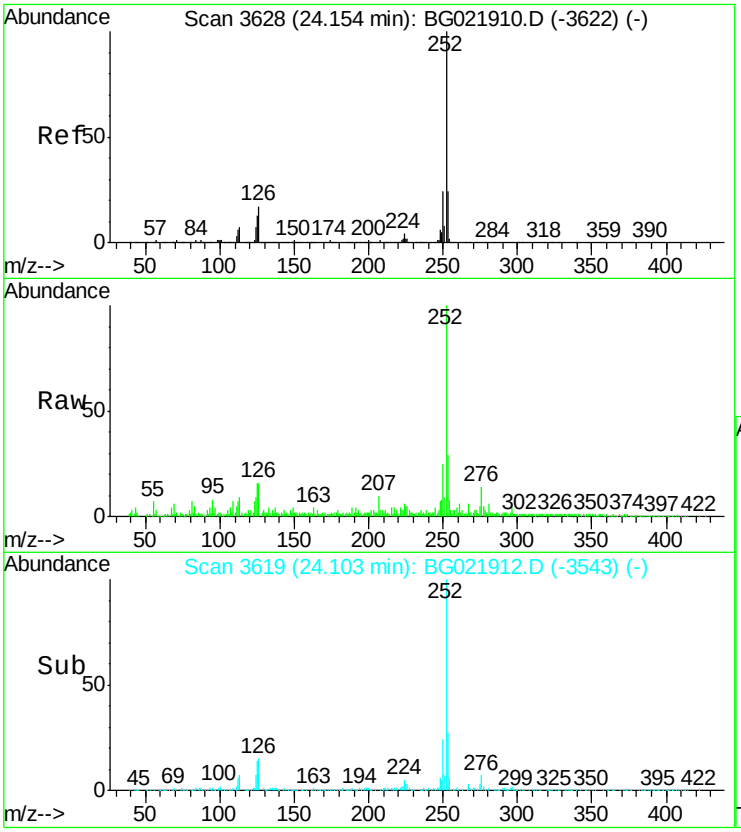




#86
Benzo(b)fluoranthene
Concen: 13.63 ng/ul
RT: 24.10 min Scan# 3619
Delta R.T. 0.02 min
Lab File: BG021912.D
Acq: 16 May 2016 18:45

Tgt Ion:252 Resp: 344164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 28.8 | 18.1 | 27.1# |
| 125 | 15.7 | 7.6 | 11.4# |



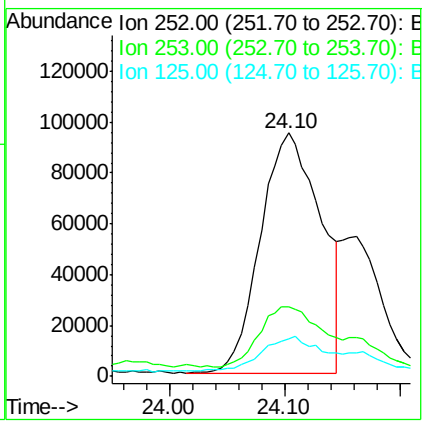


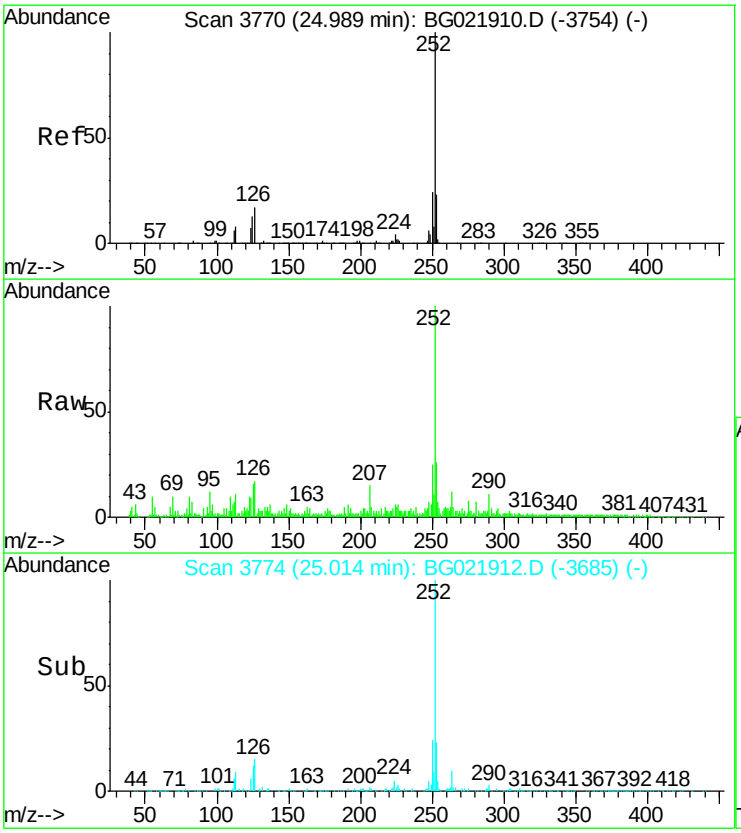

#87
Benzo(k)fluoranthene
Concen: 12.73 ng/ul
RT: 24.10 min Scan# 3619
Delta R.T. -0.05 min
Lab File: BG021912.D
Acq: 16 May 2016 18:45

**Instrument :**
BNA_G
**ClientSampleId :**
D9XD9

Tgt Ion:252 Resp: 344164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 28.8 | 17.8 | 26.8# |
| 125 | 15.7 | 7.7 | 11.5# |

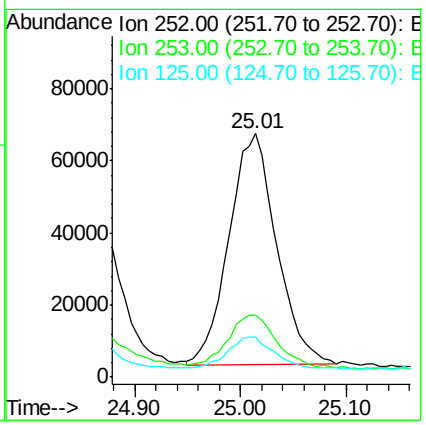


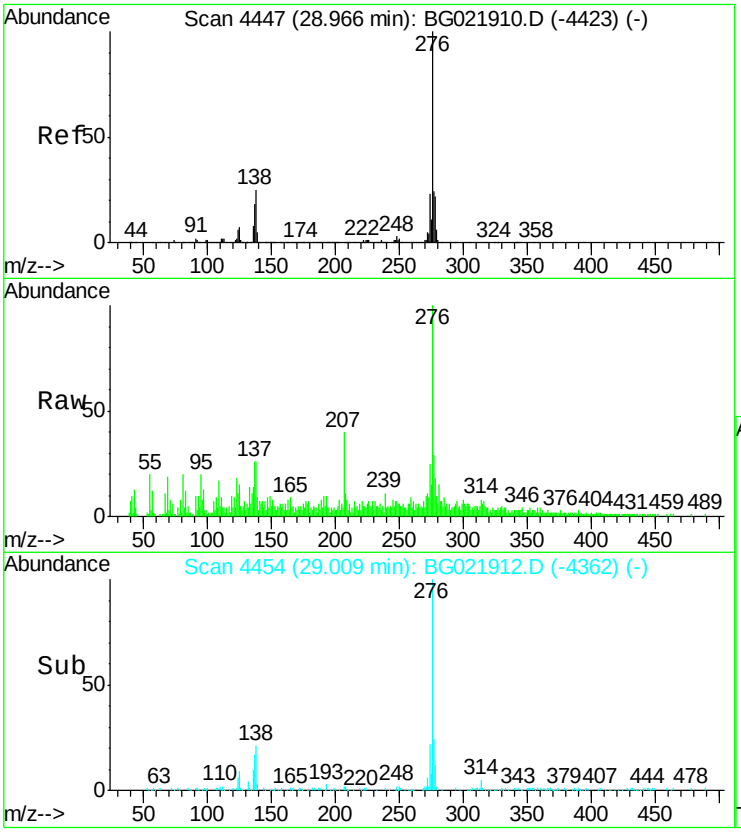




#89
Benzo(a)pyrene
Concen: 8.00 ng/ul
RT: 25.01 min Scan# 3774
Delta R.T. 0.03 min
Lab File: BG021912.D
Acq: 16 May 2016 18:45

Tgt Ion:252 Resp: 201098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.6 | 17.4 | 26.0 |
| 125 | 16.2 | 8.2 | 12.2# |



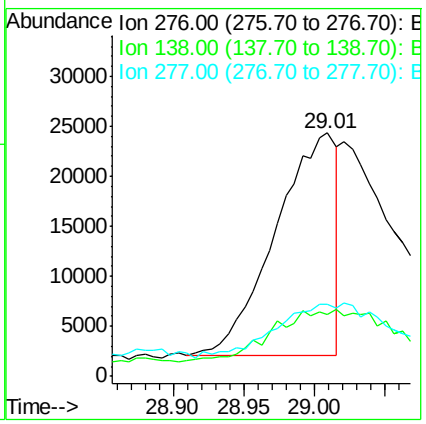


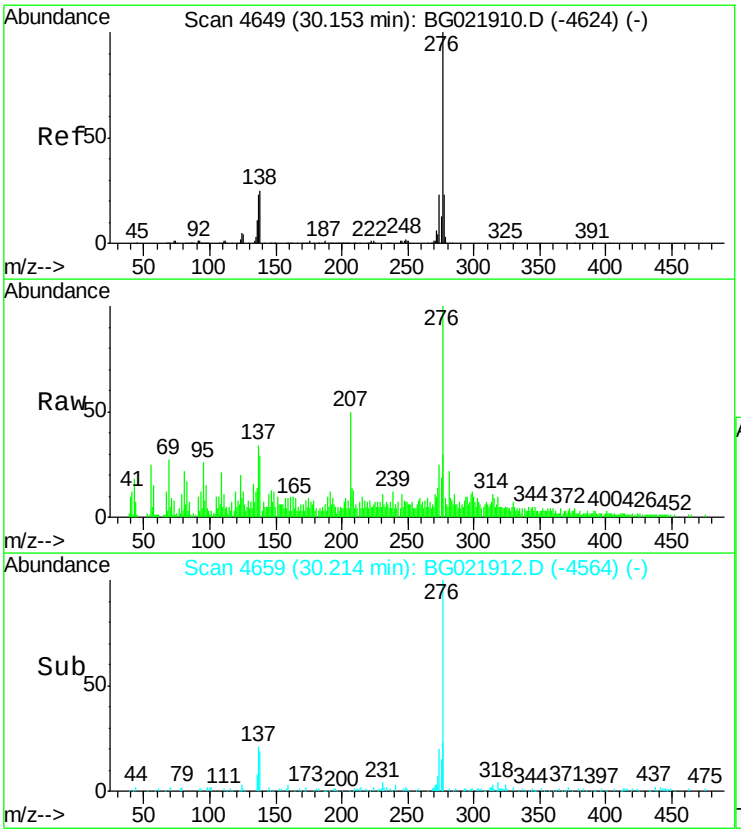

#90
Indeno(1,2,3-cd)pyrene
Concen: 2.24 ng/ul
RT: 29.01 min Scan# 4454
Delta R.T. 0.04 min
Lab File: BG021912.D
Acq: 16 May 2016 18:45

**Instrument :**
BNA_G
**ClientSampleId :**
D9XD9

Tgt Ion:276 Resp: 66858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.6 | 15.8 | 23.6# |
| 277 | 29.5 | 19.0 | 28.6# |




#92
Benzo(g,h,i)perylene
Concen: 2.30 ng/ul
RT: 30.21 min Scan# 4659
Delta R.T. 0.06 min
Lab File: BG021912.D
Acq: 16 May 2016 18:45

Tgt Ion:276 Resp: 56467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 28.5 | 13.9 | 20.9# |
| 277 | 29.9 | 19.8 | 29.6# |