Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021917.D
Acq On : 16 May 2016 22:05
Operator : UM/SJ
Sample : H3095-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** D9XE5

Quant Time: May 17 01:38:09 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 | 81248 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.99 | 136 | 393265 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.80 | 164 | 218279 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.54 | 188 | 431090 | 20.00 | ng/ul | 0.00 |
| 76) Chrysene-d12 | 21.83 | 240 | 421255 | 20.00 | ng/ul | 0.01 |
| 84) Perylene-d12 | 25.18 | 264 | 418492 | 20.00 | ng/ul | 0.04 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.55 | 96 | 5792 | 3.44 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.32 | 99 | 151702 | 25.16 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.49 | 67 | 67148 | 22.46 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.70 | 132 | 133962 | 28.63 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.87 | 113 | 133405 | 26.34 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.34 | 128 | 70590 | 27.30 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.07 | 143 | 78026 | 47.78 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.61 | 165 | 144458 | 31.28 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.31 | 131 | 201 | 0.04 | ng/ul | 0.19 |
| 44) Dimethylphthalate-d6 | 14.19 | 166 | 427720 | 27.90 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.49 | 160 | 577423 | 26.53 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 15.00 | 143 | 61359 | 23.35 | ng/ul | 0.02 |
| 58) Fluorene-d10 | 15.78 | 176 | 388497 | 24.07 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.90 | 200 | 45396 | 38.02 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.64 | 188 | 540994 | 25.78 | ng/ul | 0.00 |
| 77) Pyrene-d10 | 19.92 | 212 | 551000 | 27.94 | ng/ul | 0.01 |
| 88) Benzo(a)pyrene-d12 | 24.95 | 264 | 518648 | 26.08 | ng/ul | 0.03 |
| **Target Compounds** | | | | | | Qvalue |
| 4) Benzaldehyde | 7.31 | 77 | 771 | 1.18 | ng/ul# | 1 |
| 8) Bis(2-Chloroethyl)ether | 7.60 | 93 | 14092 | 2.70 | ng/ul# | 18 |
| 43) 2-Nitroaniline | 13.94 | 65 | 2440 | 1.15 | ng/ul# | 41 |
| 45) Dimethylphthalate | 14.24 | 163 | 98357 | 6.30 | ng/ul | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 15.82 | 198 | 4005 | 3.08 | ng/ul# | 65 |
| 70) Phenanthrene | 17.58 | 178 | 50898 | 2.16 | ng/ul | 97 |
| 72) Anthracene | 17.58 | 178 | 50017 | 2.09 | ng/ul | 98 |
| 75) Fluoranthene | 19.58 | 202 | 76101 | 2.84 | ng/ul | 96 |
| 78) Pyrene | 19.58 | 202 | 76363 | 3.13 | ng/ul | 98 |
| 81) Benzo(a)anthracene | 21.80 | 228 | 103767 | 4.43 | ng/ul# | 84 |
| 82) Bis(2-ethylhexyl)phthalate | 21.69 | 149 | 60883 | 6.92 | ng/ul# | 98 |
| 83) Chrysene | 21.87 | 228 | 159425 | 6.87 | ng/ul# | 91 |
| 86) Benzo(b)fluoranthene | 24.11 | 252 | 54649 | 2.28 | ng/ul# | 84 |
| 89) Benzo(a)pyrene | 25.02 | 252 | 118194 | 4.96 | ng/ul# | 84 |
| 92) Benzo(g,h,i)perylene | 30.22 | 276 | 60532 | 2.60 | ng/ul# | 82 |

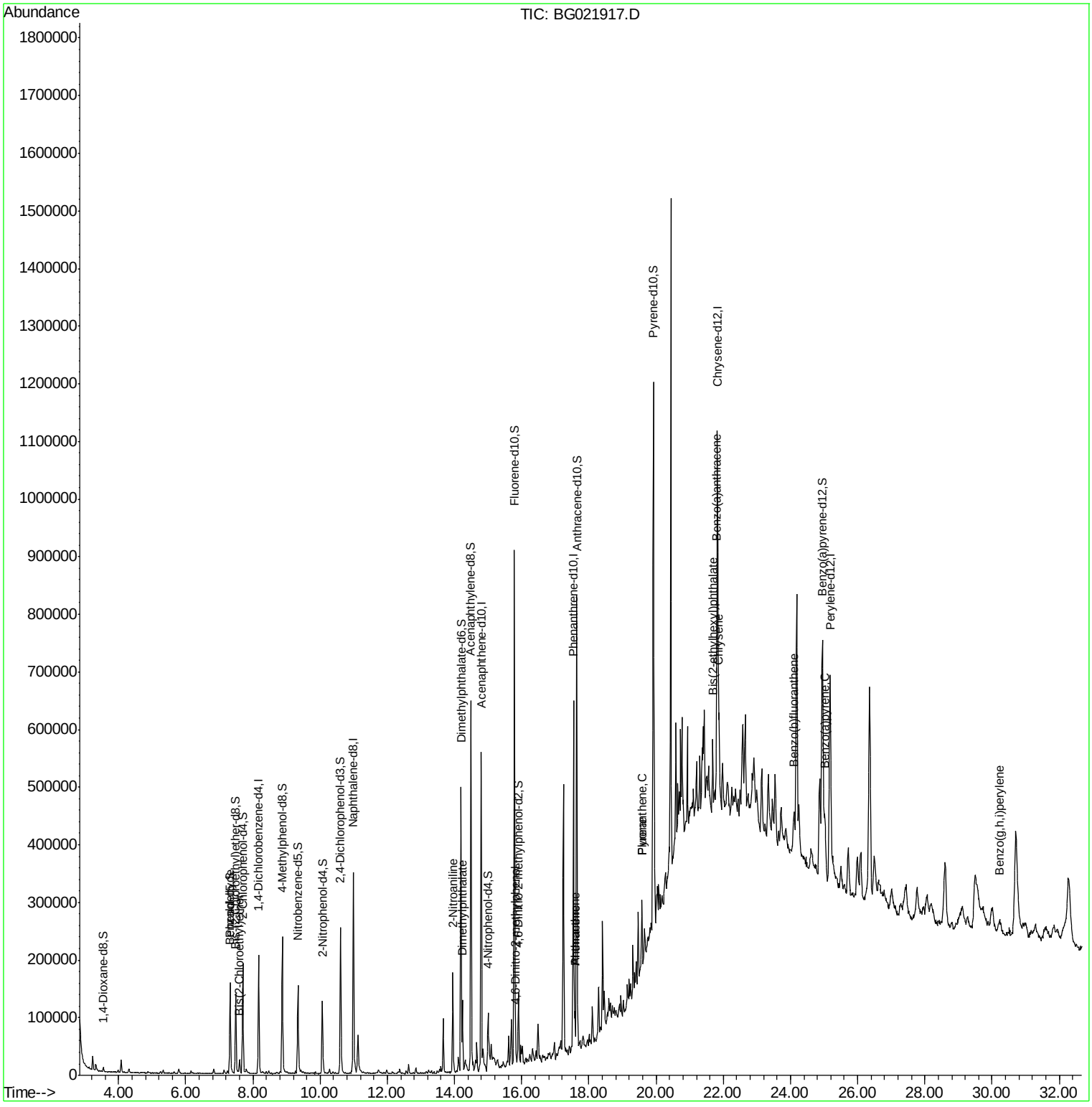
(#) = qualifier out of range (m) = manual integration (+) = signals summed

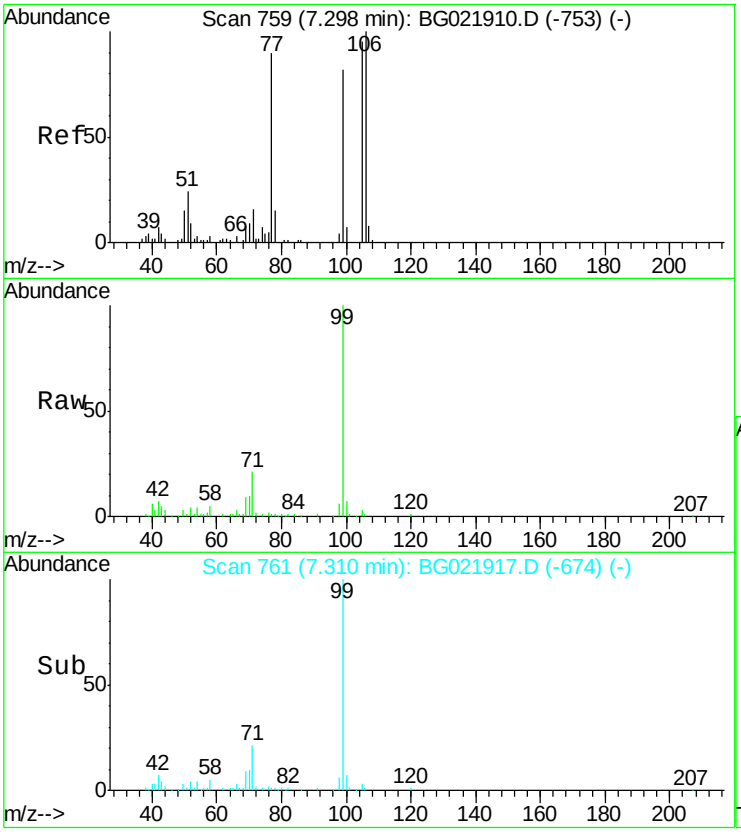
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021917.D
Acq On : 16 May 2016 22:05
Operator : UM/SJ
Sample : H3095-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** D9XE5

Quant Time: May 17 01:38:09 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



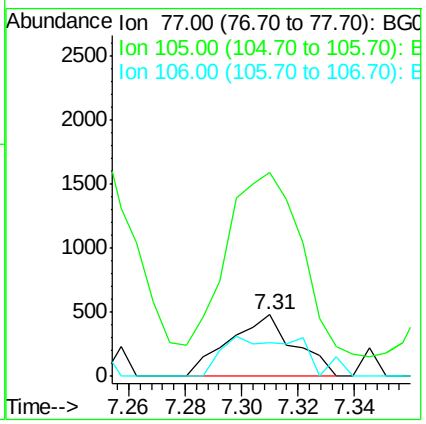


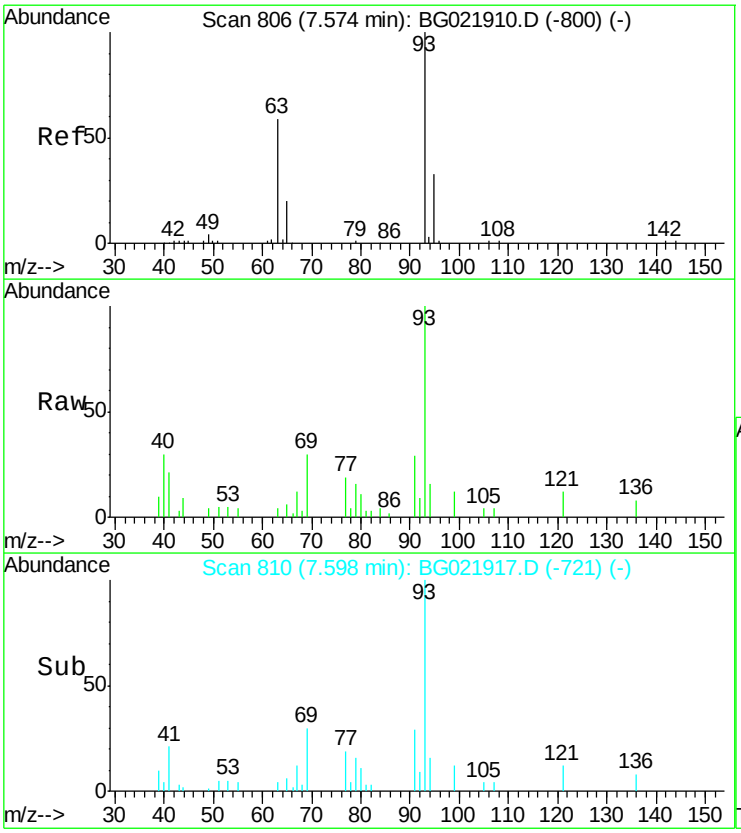

#4
Benzaldehyde
Concen: 1.18 ng/ul
RT: 7.31 min Scan# 761
Delta R.T. 0.01 min
Lab File: BG021917.D
Acq: 16 May 2016 22:05

**Instrument :**
BNA_G
**ClientSampleId :**
D9XE5

Tgt Ion: 77 Resp: 771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 329.9 | 68.5 | 102.7# |
| 106 | 54.4 | 65.0 | 97.4# |

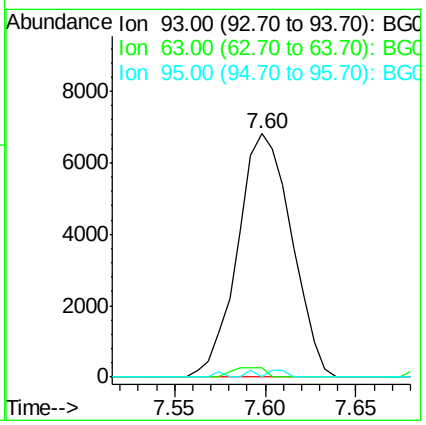


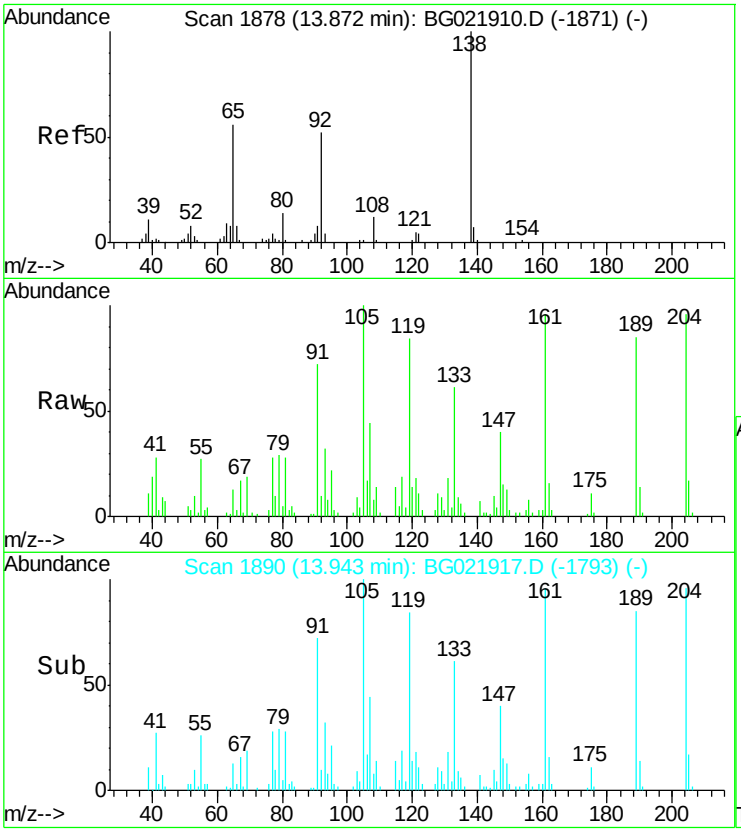




#8
Bis(2-Chloroethyl)ether
Concen: 2.70 ng/ul
RT: 7.60 min Scan# 810
Delta R.T. 0.02 min
Lab File: BG021917.D
Acq: 16 May 2016 22:05

Tgt Ion: 93 Resp: 14092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 4.0 | 70.4 | 105.6# |
| 95 | 0.0 | 28.5 | 42.7# |



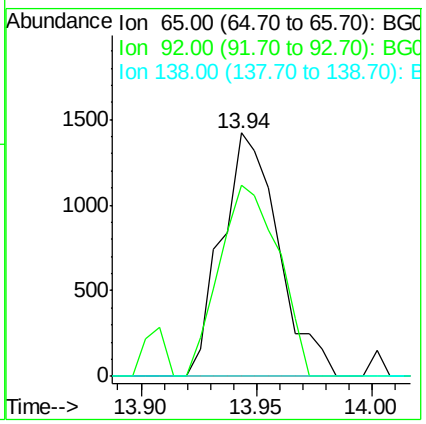


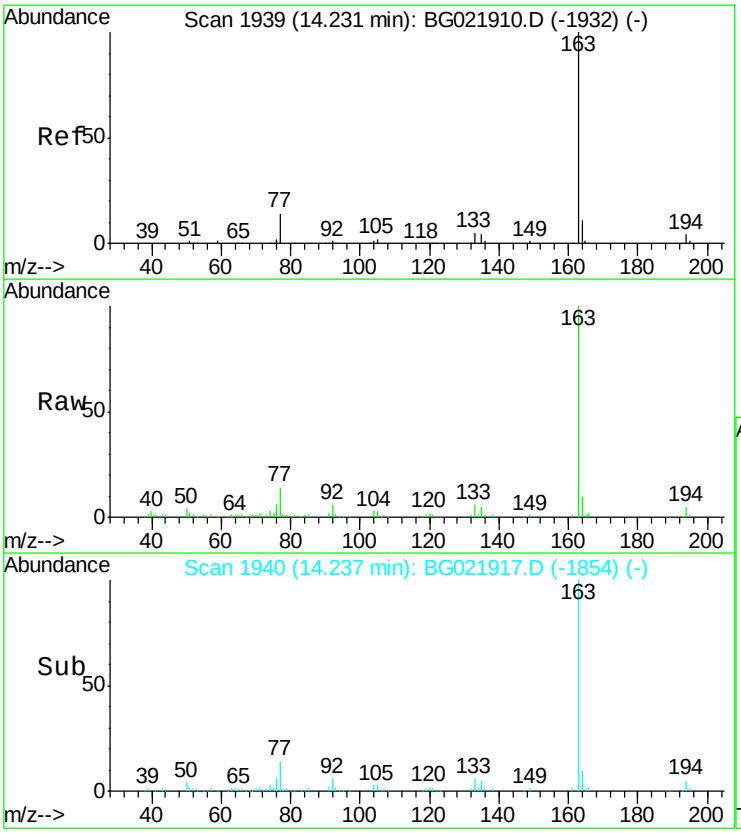

#43
2-Nitroaniline
Concen: 1.15 ng/ul
RT: 13.94 min Scan# 1890
Delta R.T. 0.07 min
Lab File: BG021917.D
Acq: 16 May 2016 22:05

**Instrument :**
BNA_G
**ClientSampleId :**
D9XE5

Tgt Ion: 65 Resp: 2440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 78.7 | 48.5 | 72.7# |
| 138 | 0.0 | 59.8 | 89.6# |

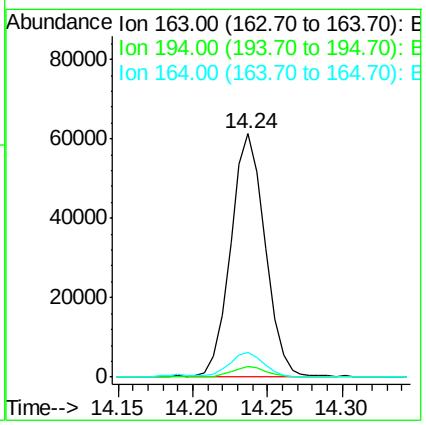


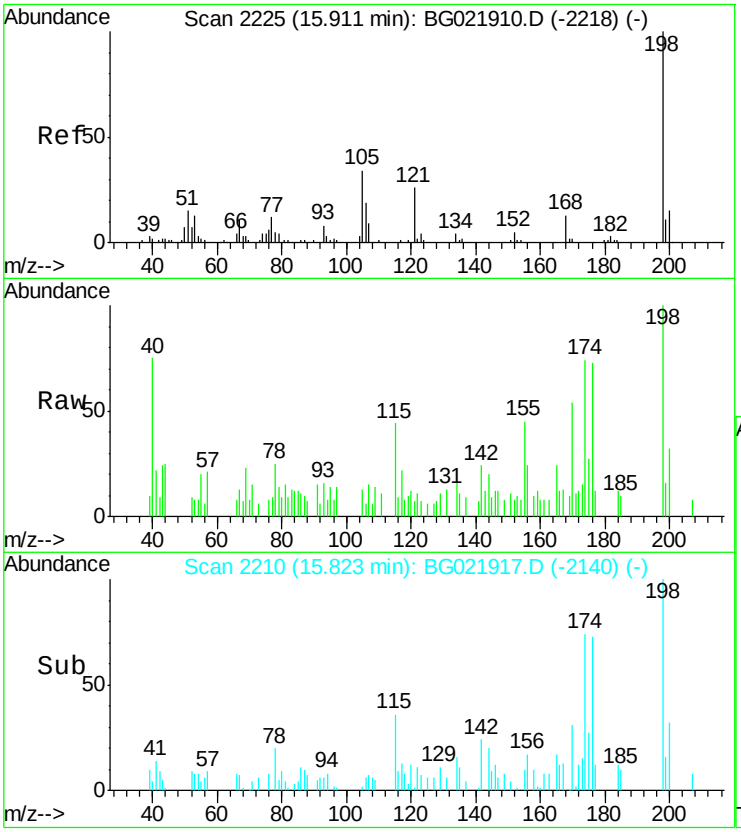




#45
Dimethylphthalate
Concen: 6.30 ng/ul
RT: 14.24 min Scan# 1940
Delta R.T. 0.01 min
Lab File: BG021917.D
Acq: 16 May 2016 22:05

Tgt Ion:163 Resp: 98357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.5 | 3.9 | 5.9 |
| 164 | 10.2 | 8.7 | 13.1 |



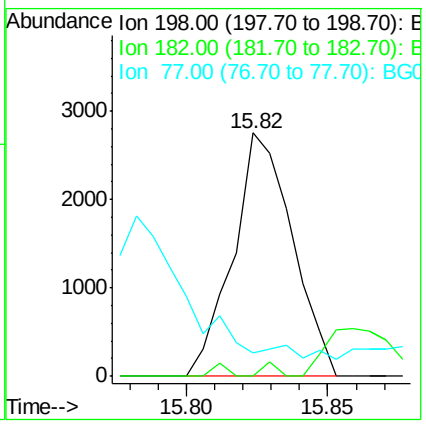


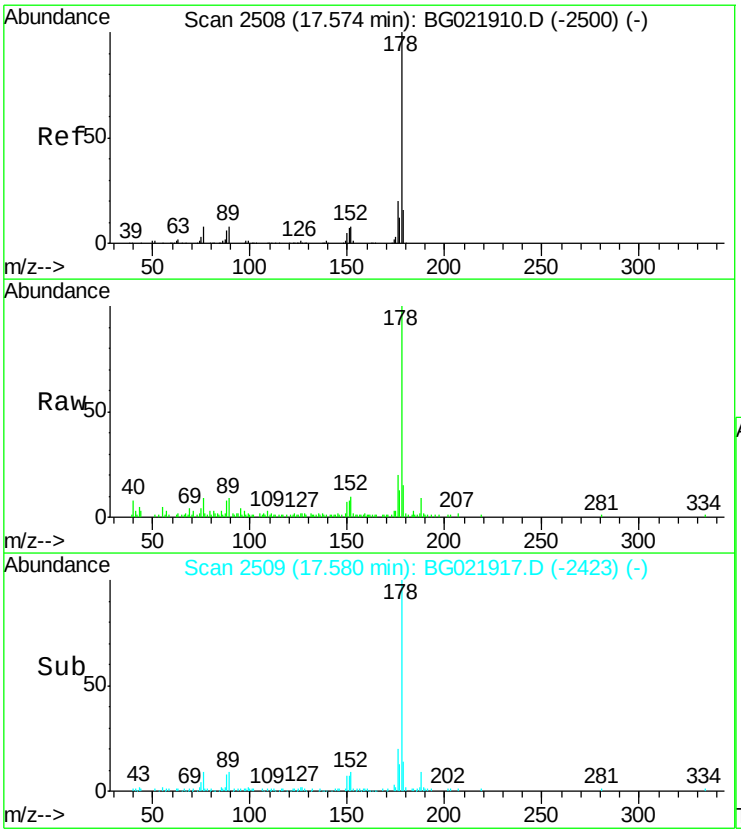

#64
4,6-Dinitro-2-methylphenol
Concen: 3.08 ng/ul
RT: 15.82 min Scan# 2210
Delta R.T. -0.09 min
Lab File: BG021917.D
Acq: 16 May 2016 22:05

**Instrument :**
BNA_G
**ClientSampleId :**
D9XE5

Tgt Ion:198 Resp: 4005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 182 | 0.0 | 3.8 | 5.8# |
| 77 | 9.4 | 24.2 | 36.4# |

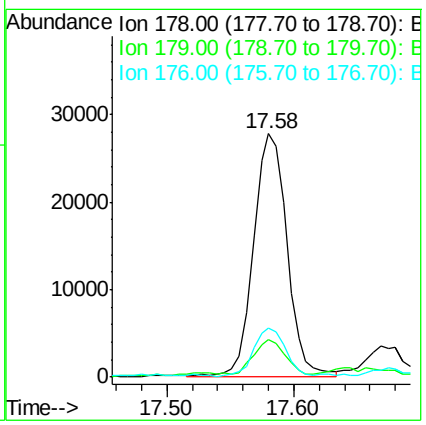


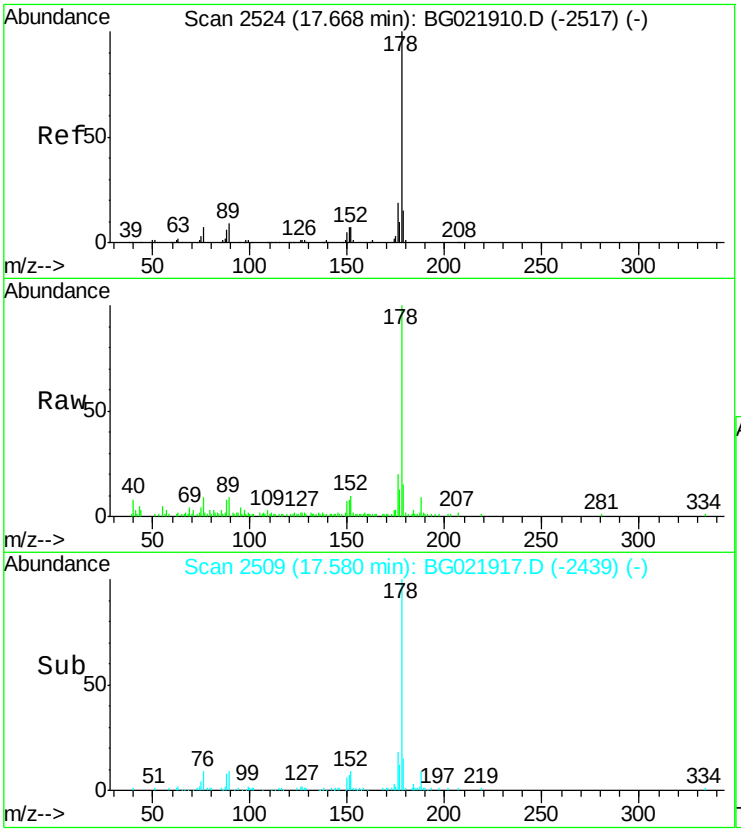




#70
Phenanthrene
Concen: 2.16 ng/ul
RT: 17.58 min Scan# 2509
Delta R.T. 0.01 min
Lab File: BG021917.D
Acq: 16 May 2016 22:05

Tgt Ion:178 Resp: 50898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.4 | 11.8 | 17.8 |
| 176 | 20.3 | 14.8 | 22.2 |



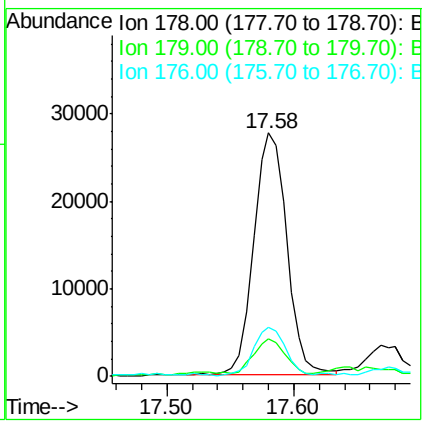


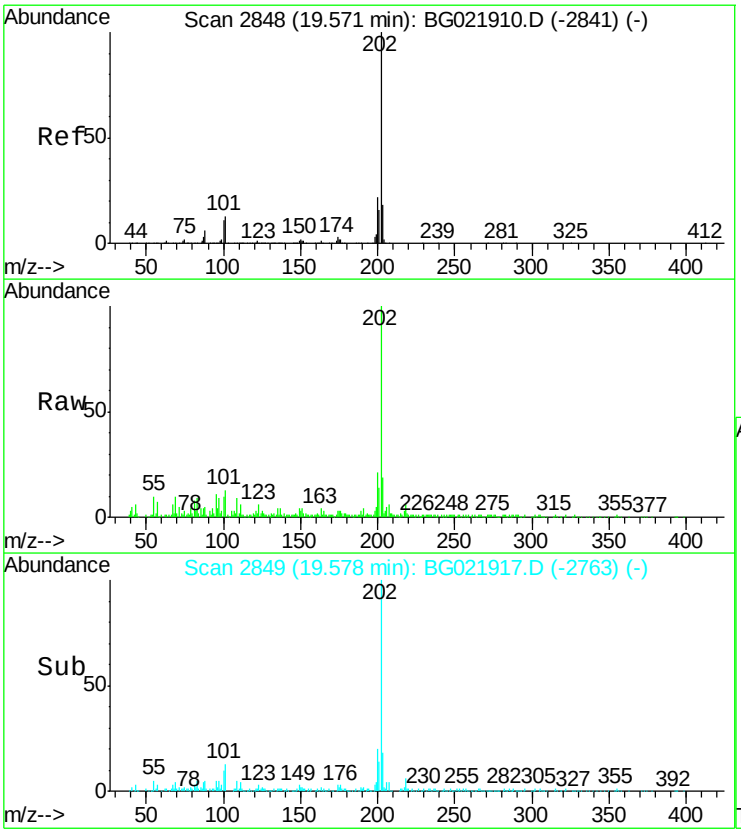

#72
Anthracene
Concen: 2.09 ng/ul
RT: 17.58 min Scan# 2509
Delta R.T. -0.09 min
Lab File: BG021917.D
Acq: 16 May 2016 22:05

**Instrument :**
BNA_G
**ClientSampleId :**
D9XE5

Tgt Ion:178 Resp: 50017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.4 | 12.9 | 19.3 |
| 176 | 20.3 | 15.6 | 23.4 |

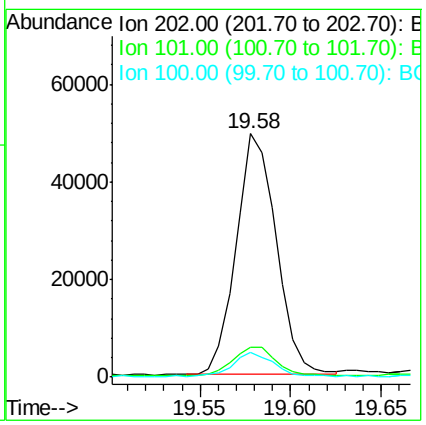


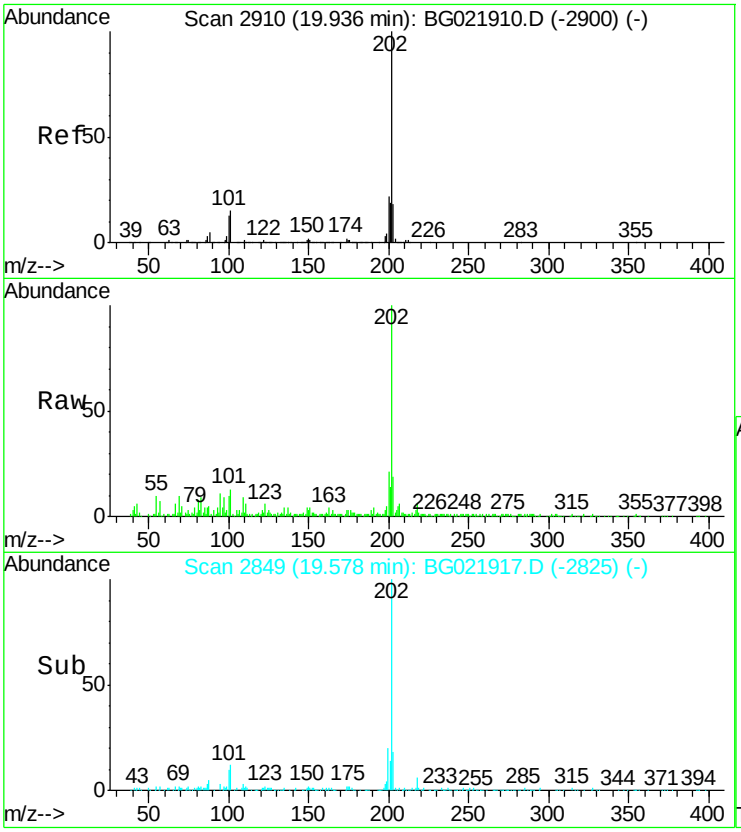




#75
Fluoranthene
Concen: 2.84 ng/ul
RT: 19.58 min Scan# 2849
Delta R.T. 0.01 min
Lab File: BG021917.D
Acq: 16 May 2016 22:05

Tgt Ion:202 Resp: 76101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.5 | 8.9 | 13.3 |
| 100 | 9.9 | 7.0 | 10.4 |



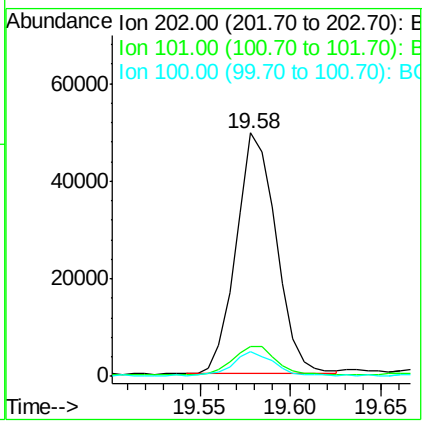


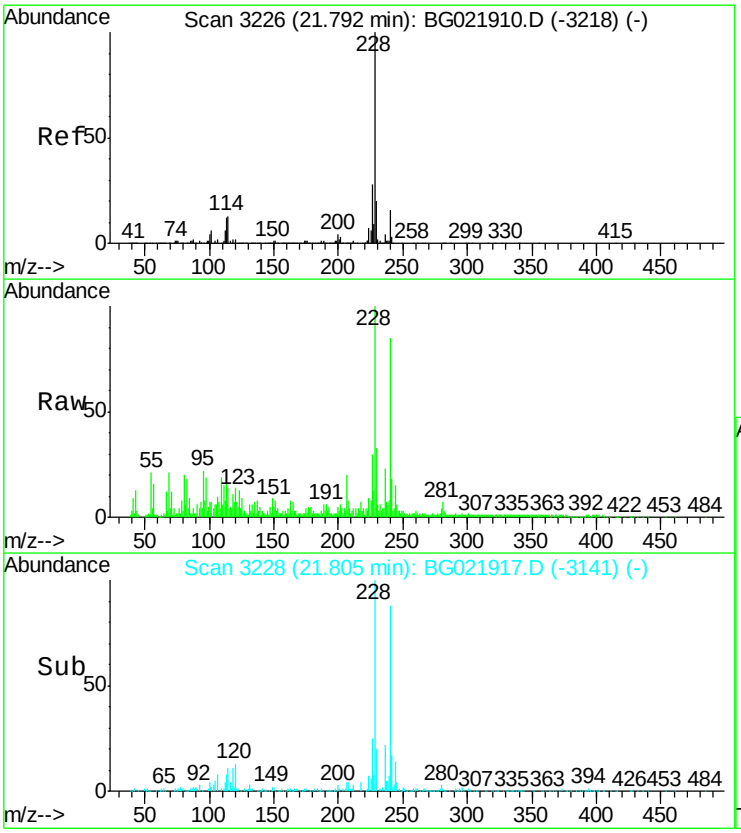

#78
Pyrene
Concen: 3.13 ng/ul
RT: 19.58 min Scan# 2849
Delta R.T. -0.36 min
Lab File: BG021917.D
Acq: 16 May 2016 22:05

**Instrument :**
BNA_G
**ClientSampleId :**
D9XE5

Tgt Ion:202 Resp: 76363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.5 | 9.8 | 14.8 |
| 100 | 9.9 | 9.3 | 13.9 |

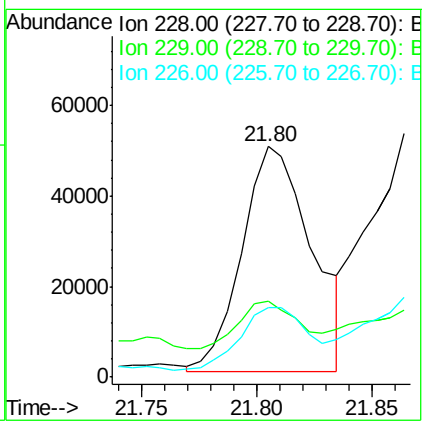


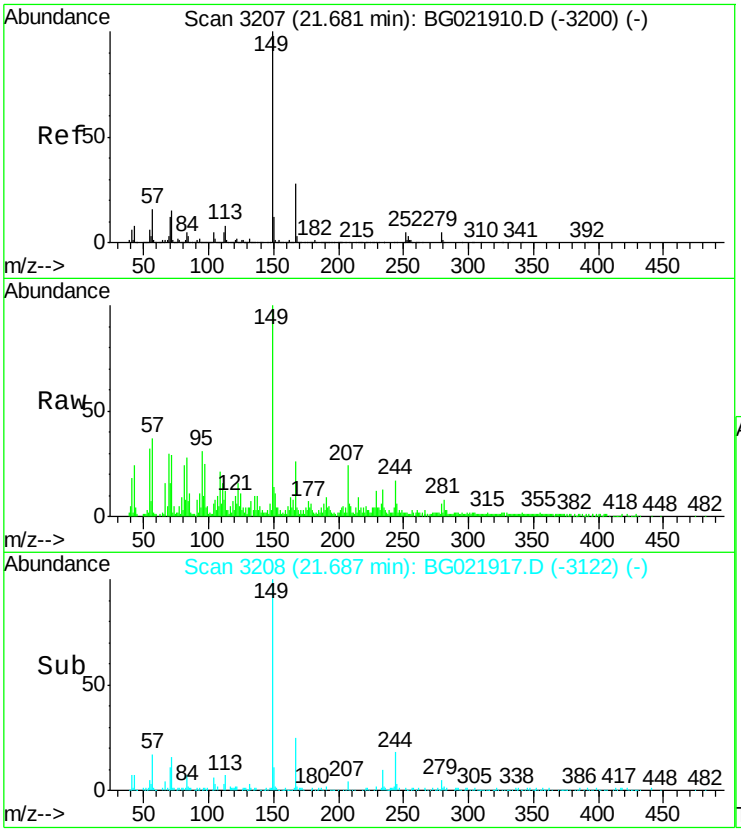




#81
Benzo(a)anthracene
Concen: 4.43 ng/ul
RT: 21.80 min Scan# 3228
Delta R.T. 0.01 min
Lab File: BG021917.D
Acq: 16 May 2016 22:05

Tgt Ion:228 Resp: 103767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 33.0 | 16.6 | 25.0# |
| 226 | 30.1 | 21.0 | 31.4 |



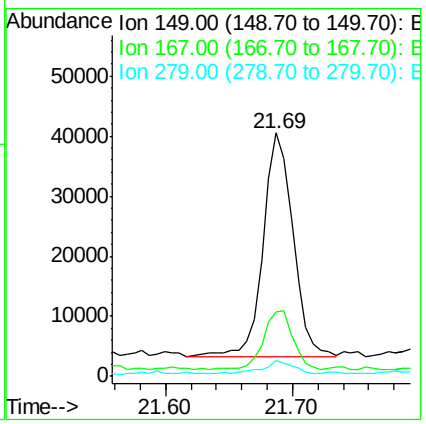


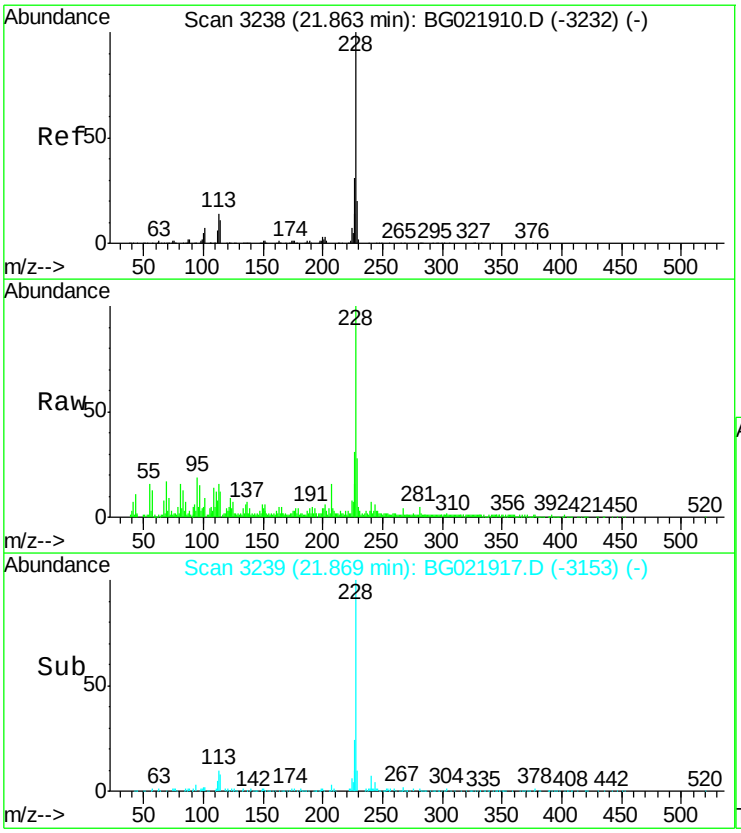

#82
Bis(2-ethylhexyl)phthalate
Concen: 6.92 ng/ul
RT: 21.69 min Scan# 3208
Delta R.T. 0.01 min
Lab File: BG021917.D
Acq: 16 May 2016 22:05

**Instrument :**
BNA_G
**ClientSampleId :**
D9XE5

Tgt Ion:149 Resp: 60883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.4 | 20.5 | 30.7 |
| 279 | 6.4 | 3.7 | 5.5# |

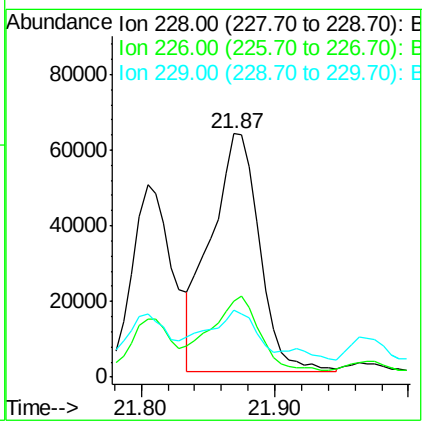


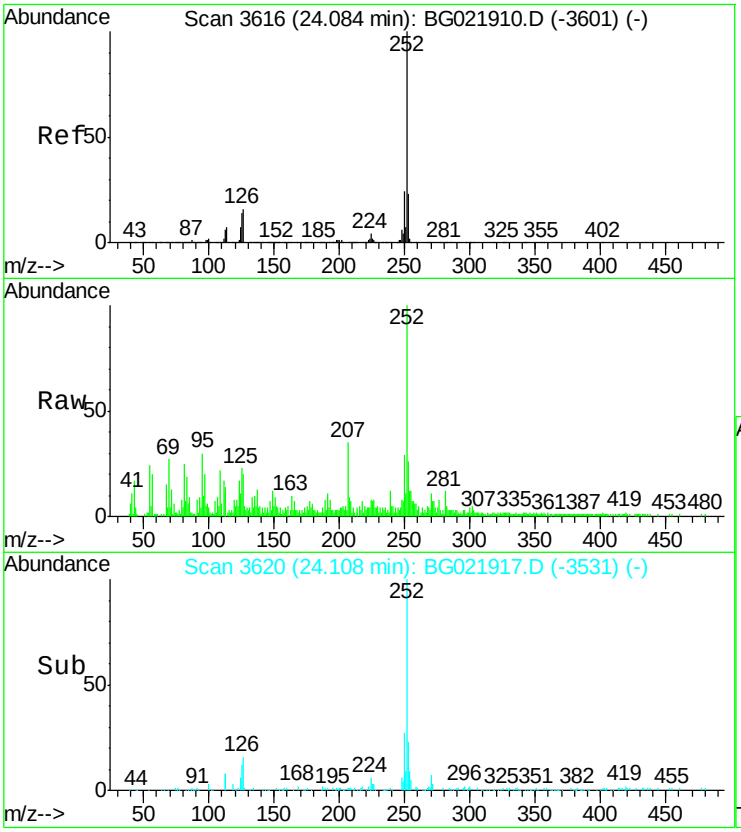




#83
Chrysene
Concen: 6.87 ng/ul
RT: 21.87 min Scan# 3239
Delta R.T. 0.01 min
Lab File: BG021917.D
Acq: 16 May 2016 22:05

Tgt Ion:228 Resp: 159425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.2 | 23.4 | 35.2 |
| 229 | 27.7 | 16.2 | 24.2# |



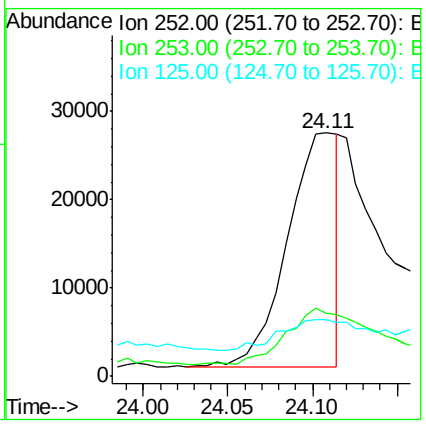


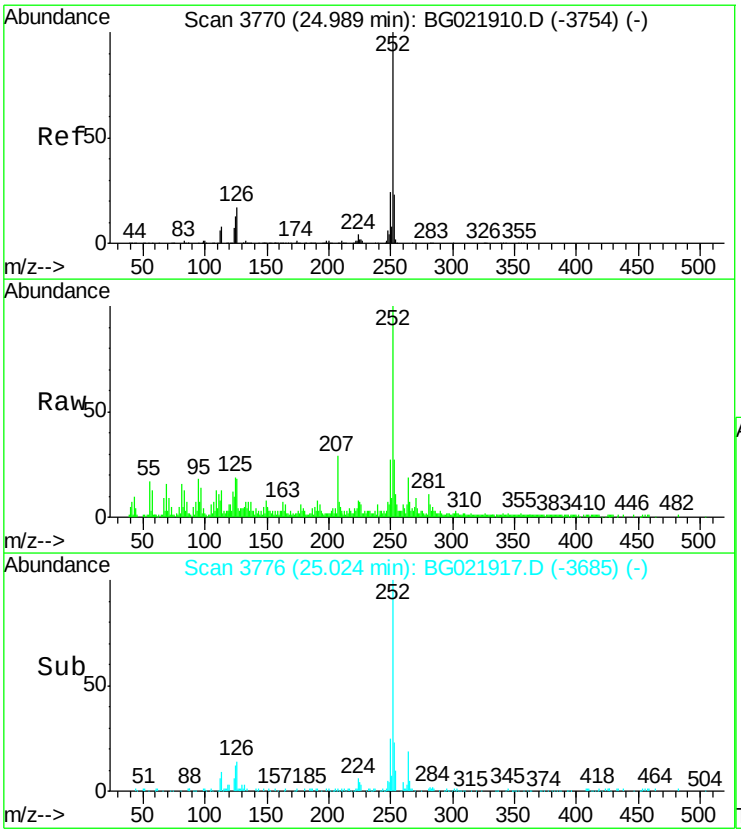

#86
Benzo(b)fluoranthene
Concen: 2.28 ng/ul
RT: 24.11 min Scan# 3620
Delta R.T. 0.02 min
Lab File: BG021917.D
Acq: 16 May 2016 22:05

**Instrument :**
BNA_G
**ClientSampleId :**
D9XE5

Tgt Ion:252 Resp: 54649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.0 | 18.1 | 27.1 |
| 125 | 23.4 | 7.6 | 11.4# |

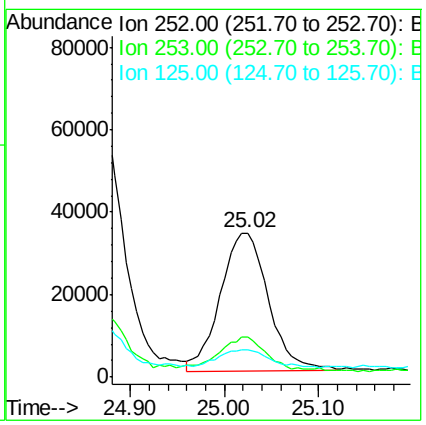


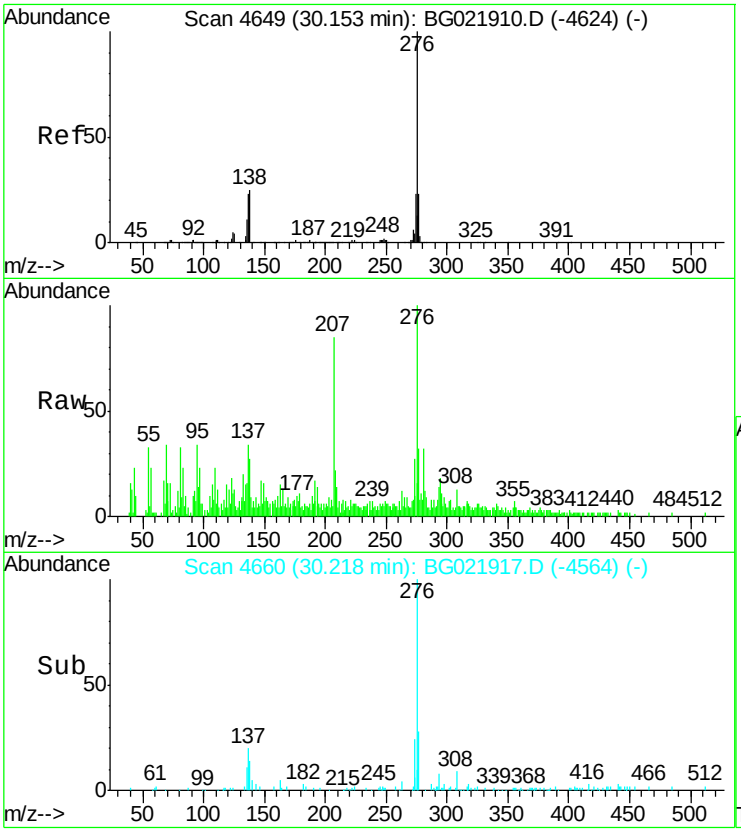




#89
Benzo(a)pyrene
Concen: 4.96 ng/ul
RT: 25.02 min Scan# 3776
Delta R.T. 0.04 min
Lab File: BG021917.D
Acq: 16 May 2016 22:05

Tgt Ion:252 Resp: 118194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 27.4 | 17.4 | 26.0# |
| 125 | 19.3 | 8.2 | 12.2# |






#92
Benzo(g,h,i)perylene
Concen: 2.60 ng/ul
RT: 30.22 min Scan# 4660
Delta R.T. 0.07 min
Lab File: BG021917.D
Acq: 16 May 2016 22:05

**Instrument :**
BNA_G
**ClientSampleId :**
D9XE5

Tgt Ion:276 Resp: 60532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.0 | 13.9 | 20.9# |
| 277 | 32.3 | 19.8 | 29.6# |