Quantitation Report (Not Reviewed)

Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\
Data File : BG028428.D
Acq On : 22 Aug 2017 21:58
Operator : SJ/JU
Sample : I4827-07 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** B0AB6DL

Quant Time: Aug 23 07:07:44 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 23 07:06:03 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.34 | 152 | 39941 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 11.16 | 136 | 185247 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.95 | 164 | 143028 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.70 | 188 | 341272 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 22.03 | 240 | 378083 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 25.54 | 264 | 377896 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.83 | 96 | 840 | 0.98 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.50 | 99 | 20462 | 4.66 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.66 | 67 | 13130 | 4.73 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.88 | 132 | 14395 | 5.20 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 9.04 | 113 | 18318 | 5.00 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.52 | 128 | 7458 | 5.15 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.24 | 143 | 8511 | 5.36 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.78 | 165 | 17815 | 5.42 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.31 | 131 | 16473 | 4.50 | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6 | 14.34 | 166 | 72001 | 5.66 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.64 | 160 | 81167 | 5.66 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 15.18 | 143 | 887 | 0.44 | ng/ul | 0.03 |
| 57) Fluorene-d10 | 15.94 | 176 | 62901 | 5.51 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.07 | 200 | 1034 | 0.47 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.80 | 188 | 97861 | 5.98 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 20.07 | 212 | 114448 | 5.90 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 25.29 | 264 | 101616 | 5.74 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 44) Dimethylphthalate | 14.39 | 163 | 27757 | 2.370 | ng/ul | 98 |
| 49) Acenaphthene | 15.02 | 153 | 11400 | 1.233 | ng/ul# | 70 |
| 58) Fluorene | 15.99 | 166 | 14238 | 1.193 | ng/ul | 84 |
| 69) Phenanthrene | 17.74 | 178 | 303426 | 17.667 | ng/ul | 99 |
| 71) Anthracene | 17.84 | 178 | 52106 | 2.968 | ng/ul | 94 |
| 72) Carbazole | 18.10 | 167 | 20102 | 1.317 | ng/ul# | 93 |
| 74) Fluoranthene | 19.74 | 202 | 500462 | 23.977 | ng/ul | 98 |
| 77) Pyrene | 20.10 | 202 | 491727 | 21.800 | ng/ul | 97 |
| 80) Benzo(a)anthracene | 22.01 | 228 | 240772 | 11.022 | ng/ul | 98 |
| 82) Chrysene | 22.08 | 228 | 251979 | 12.808 | ng/ul | 97 |
| 85) Benzo(b)fluoranthene | 24.42 | 252 | 295172 | 13.053 | ng/ul# | 96 |
| 86) Benzo(k)fluoranthene | 24.42 | 252 | 295172 | 13.363 | ng/ul | 98 |
| 88) Benzo(a)pyrene | 25.36 | 252 | 227335 | 10.383 | ng/ul | 99 |
| 89) Indeno(1,2,3-cd)pyrene | 29.55 | 276 | 144540 | 5.637 | ng/ul# | 95 |
| 90) Dibenzo(a,h)anthracene | 29.60 | 278 | 39010 | 1.815 | ng/ul# | 88 |
| 91) Benzo(g,h,i)perylene | 30.82 | 276 | 124895 | 5.921 | ng/ul | 100 |

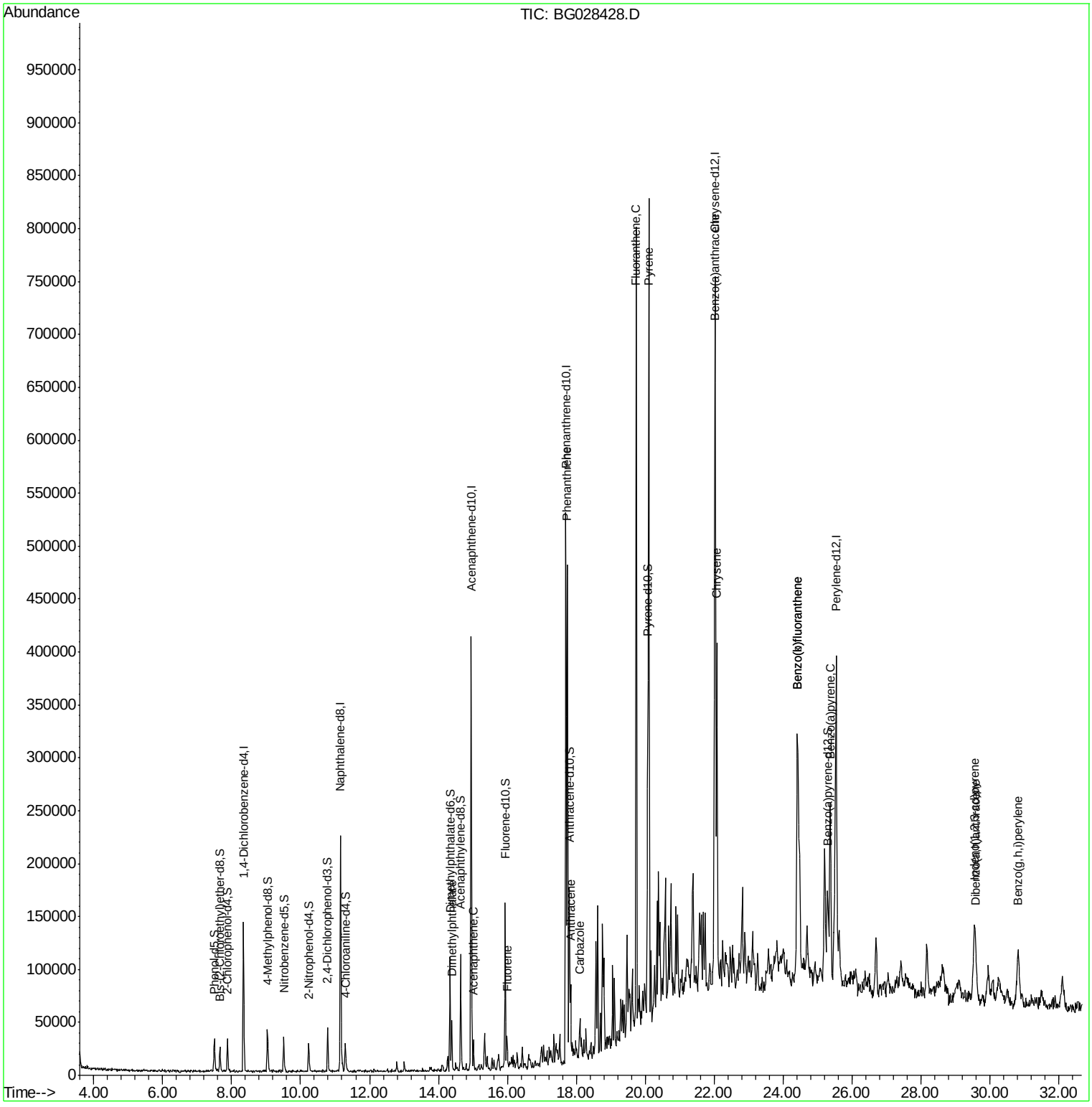
(#) = qualifier out of range (m) = manual integration (+) = signals summed

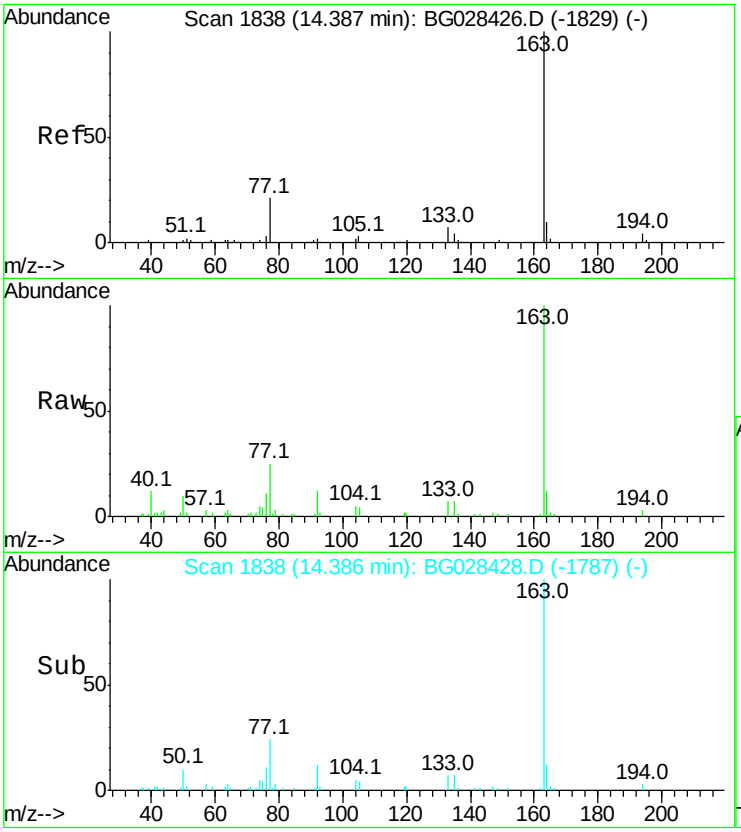
Quantitation Report (Not Reviewed)

Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\
Data File : BG028428.D
Acq On : 22 Aug 2017 21:58
Operator : SJ/JU
Sample : I4827-07 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
B0AB6DL

Quant Time: Aug 23 07:07:44 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 23 07:06:03 2017
Response via : Initial Calibration



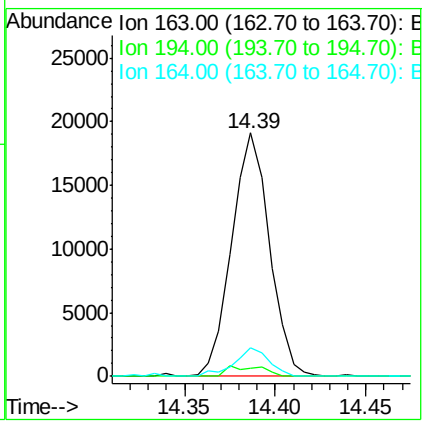


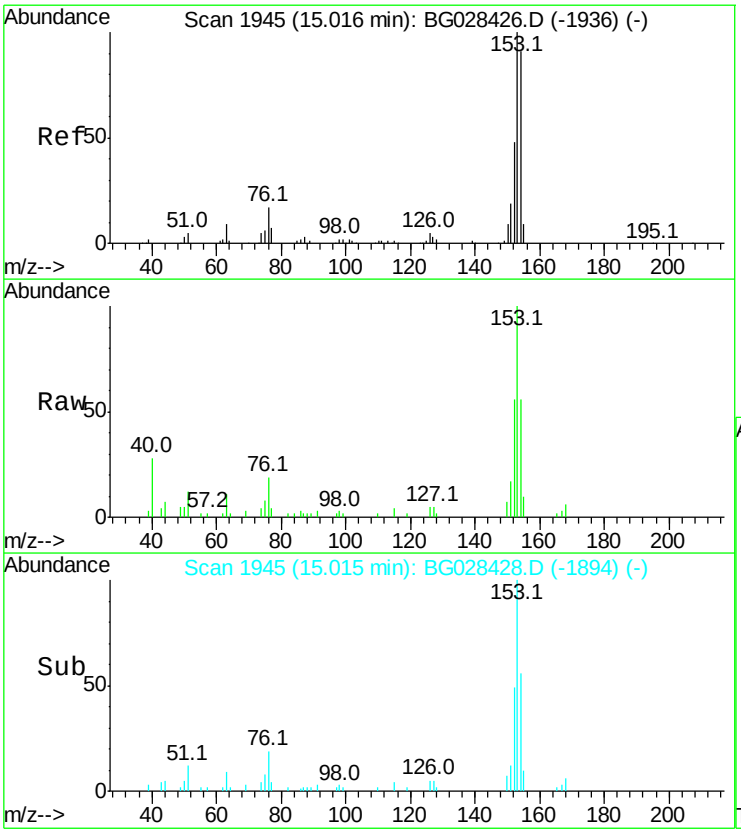

#44
Dimethylphthalate
Concen: 2.370 ng/ul
RT: 14.39 min Scan# 1838
Delta R.T. -0.00 min
Lab File: BG028428.D
Acq: 22 Aug 2017 21:58

**Instrument :**
BNA_G
**ClientSampleId :**
B0AB6DL

Tgt Ion:163 Resp: 27757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.4 | 3.4 | 5.0 |
| 164 | 12.0 | 9.0 | 13.4 |

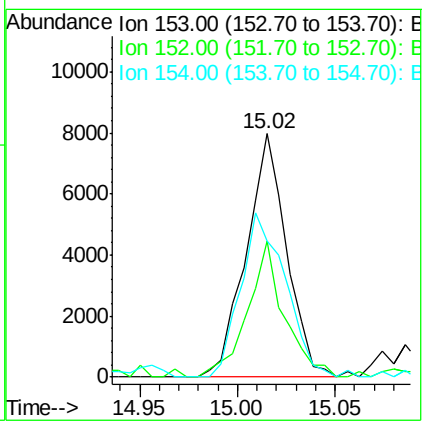


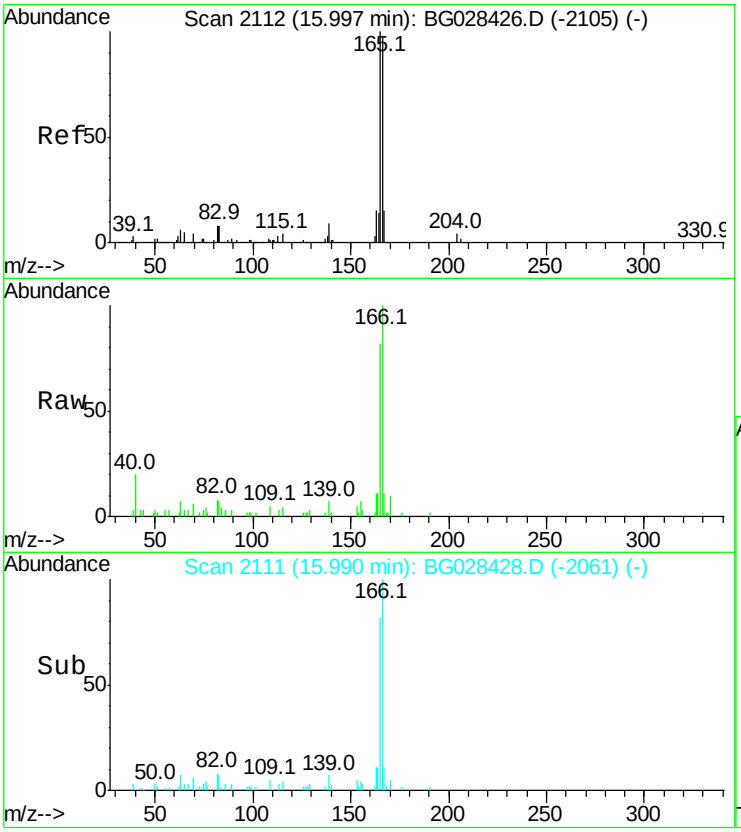




#49
Acenaphthene
Concen: 1.233 ng/ul
RT: 15.02 min Scan# 1945
Delta R.T. -0.00 min
Lab File: BG028428.D
Acq: 22 Aug 2017 21:58

Tgt Ion:153 Resp: 11400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 56.0 | 36.5 | 54.7# |
| 154 | 55.9 | 72.3 | 108.5# |



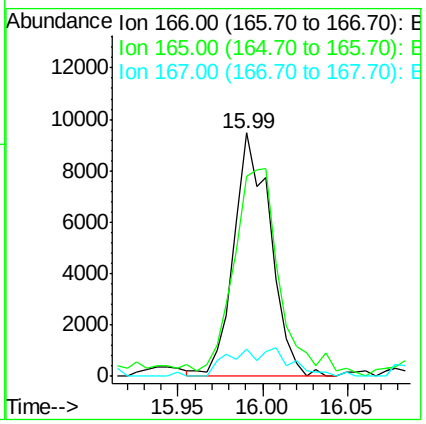


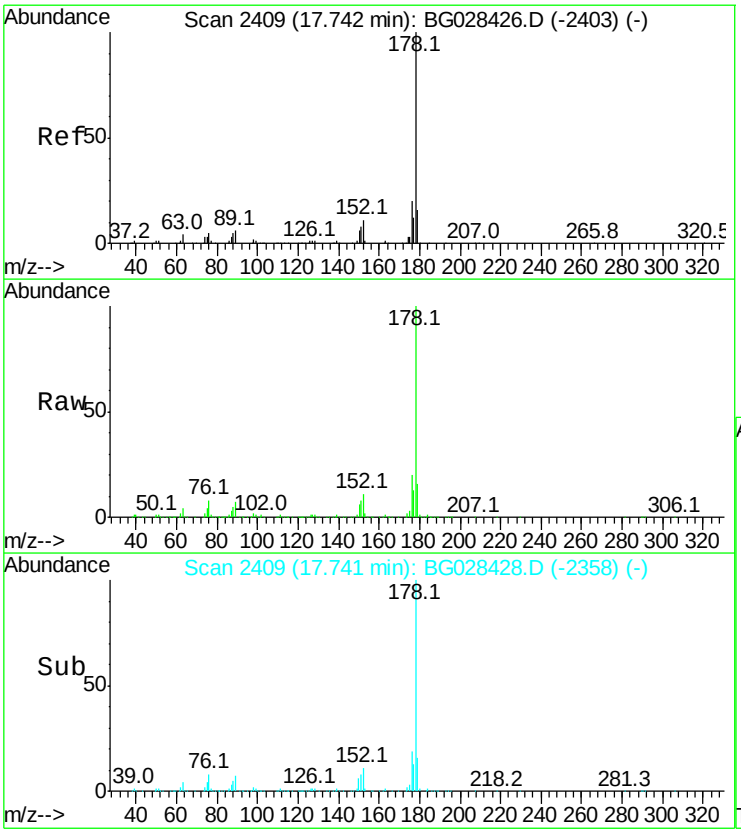

#58
Fluorene
Concen: 1.193 ng/ul
RT: 15.99 min Scan# 2111
Delta R.T. -0.01 min
Lab File: BG028428.D
Acq: 22 Aug 2017 21:58

**Instrument :**
BNA_G
**ClientSampleId :**
B0AB6DL

Tgt Ion:166 Resp: 14238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 82.4 | 79.7 | 119.5 |
| 167 | 11.5 | 11.4 | 17.2 |

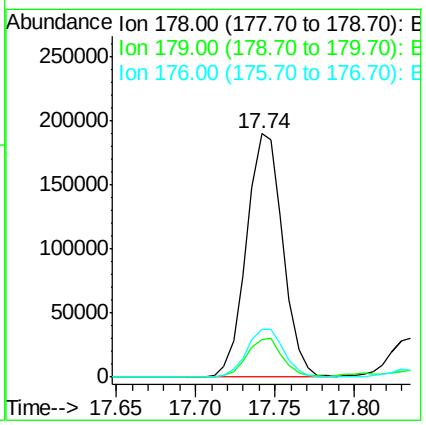


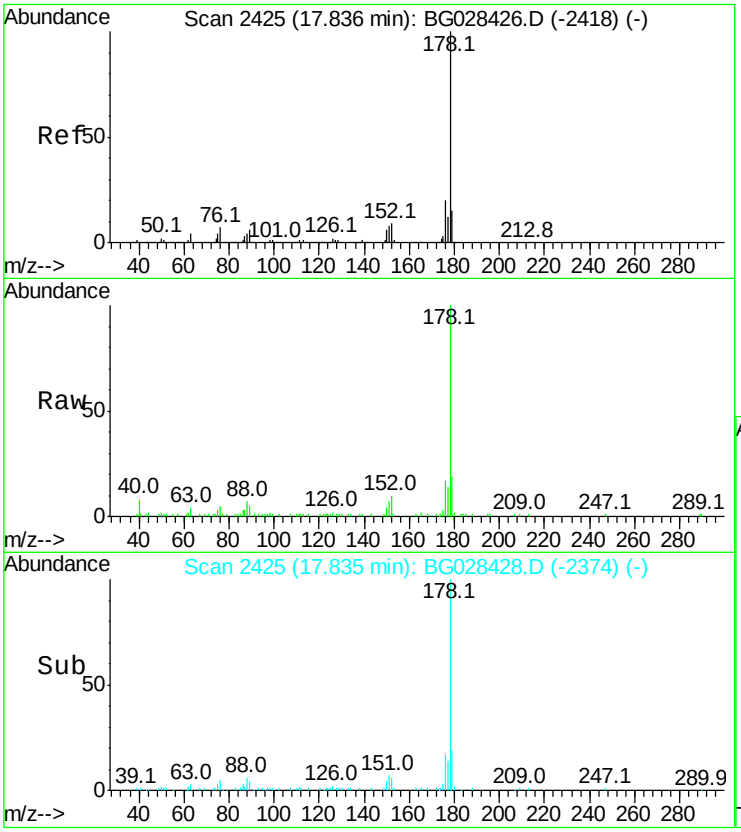




#69
Phenanthrene
Concen: 17.667 ng/ul
RT: 17.74 min Scan# 2409
Delta R.T. -0.00 min
Lab File: BG028428.D
Acq: 22 Aug 2017 21:58

Tgt Ion:178 Resp: 303426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.5 | 12.4 | 18.6 |
| 176 | 19.5 | 16.5 | 24.7 |



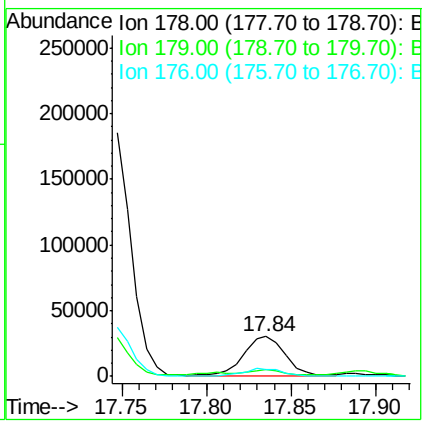


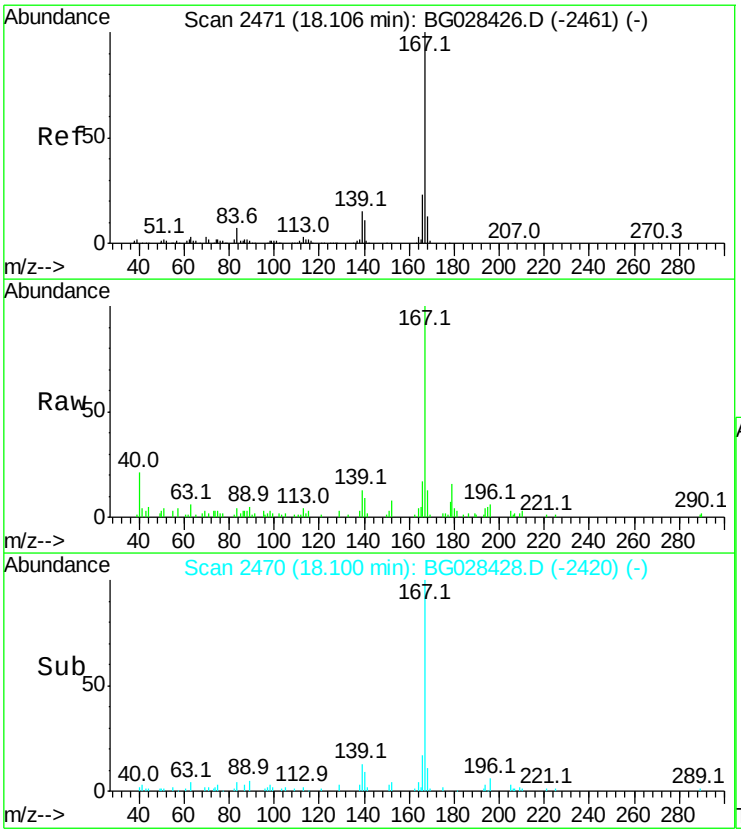

#71
Anthracene
Concen: 2.968 ng/ul
RT: 17.84 min Scan# 2425
Delta R.T. -0.00 min
Lab File: BG028428.D
Acq: 22 Aug 2017 21:58

**Instrument :**
BNA_G
**ClientSampleId :**
B0AB6DL

Tgt Ion:178 Resp: 52106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 18.6 | 12.6 | 19.0 |
| 176 | 17.0 | 15.9 | 23.9 |

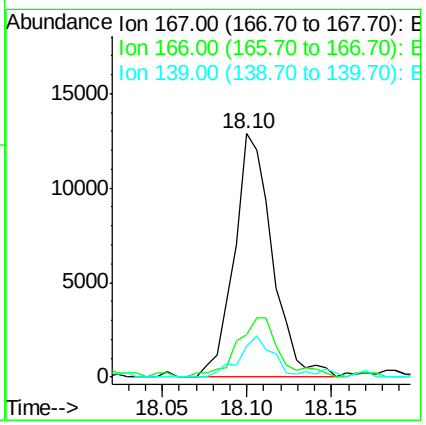


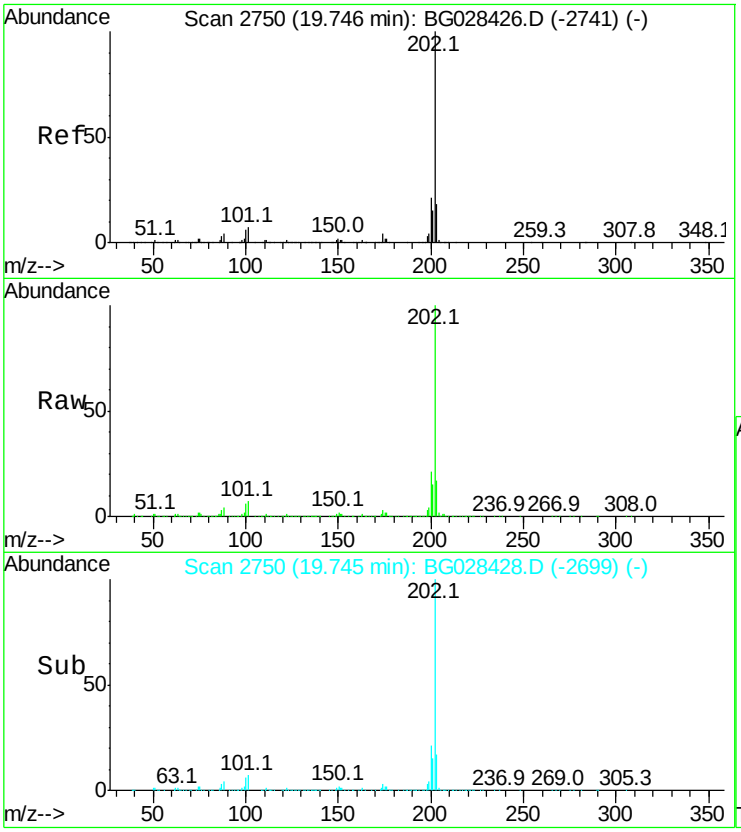




#72
Carbazole
Concen: 1.317 ng/ul
RT: 18.10 min Scan# 2470
Delta R.T. -0.01 min
Lab File: BG028428.D
Acq: 22 Aug 2017 21:58

Tgt Ion:167 Resp: 20102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 17.3 | 17.9 | 26.9# |
| 139 | 12.9 | 10.5 | 15.7 |



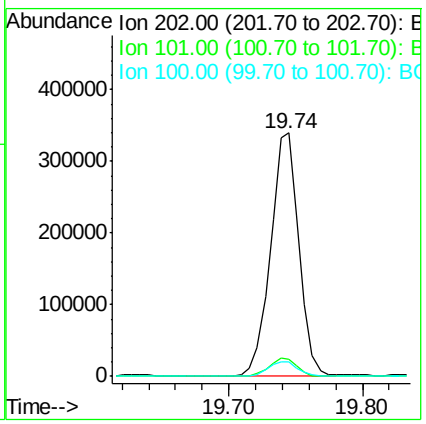


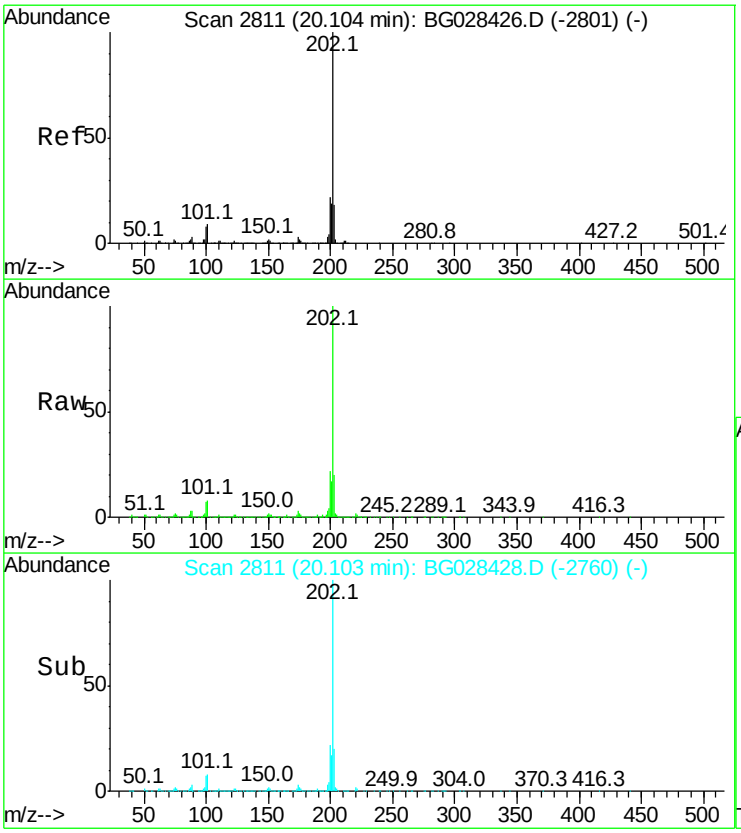

#74
Fluoranthene
Concen: 23.977 ng/ul
RT: 19.74 min Scan# 2750
Delta R.T. -0.00 min
Lab File: BG028428.D
Acq: 22 Aug 2017 21:58

**Instrument :**
BNA_G
**ClientSampleId :**
B0AB6DL

Tgt Ion:202 Resp: 500462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 6.9 | 6.2 | 9.2 |
| 100 | 5.9 | 5.2 | 7.8 |

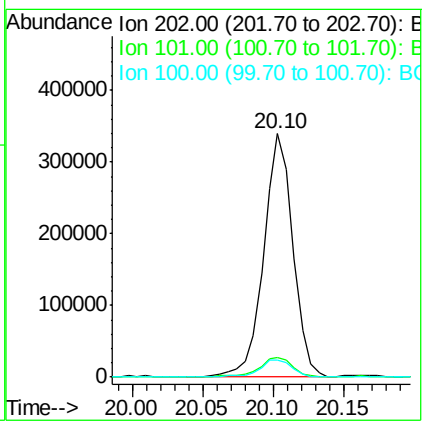


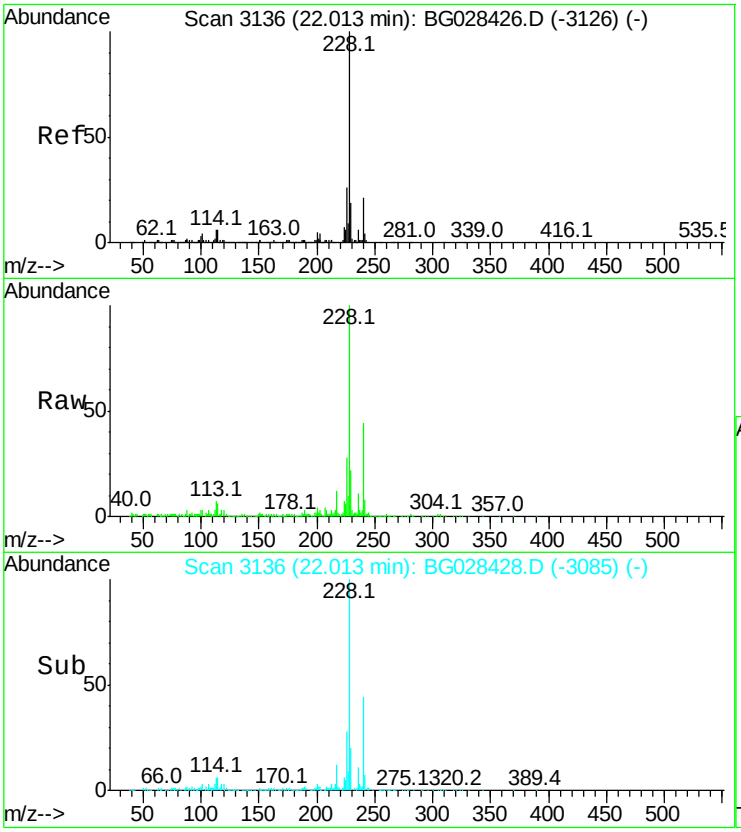




#77
Pyrene
Concen: 21.800 ng/ul
RT: 20.10 min Scan# 2811
Delta R.T. -0.00 min
Lab File: BG028428.D
Acq: 22 Aug 2017 21:58

Tgt Ion:202 Resp: 491727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 7.8 | 6.9 | 10.3 |
| 100 | 7.1 | 6.6 | 10.0 |



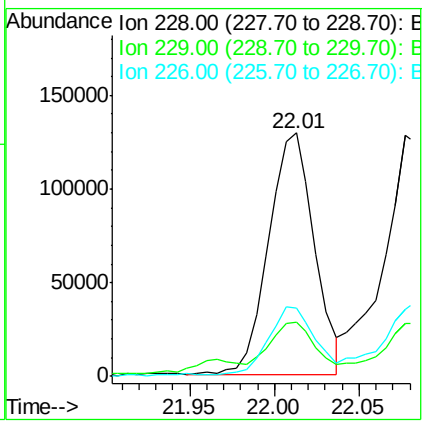


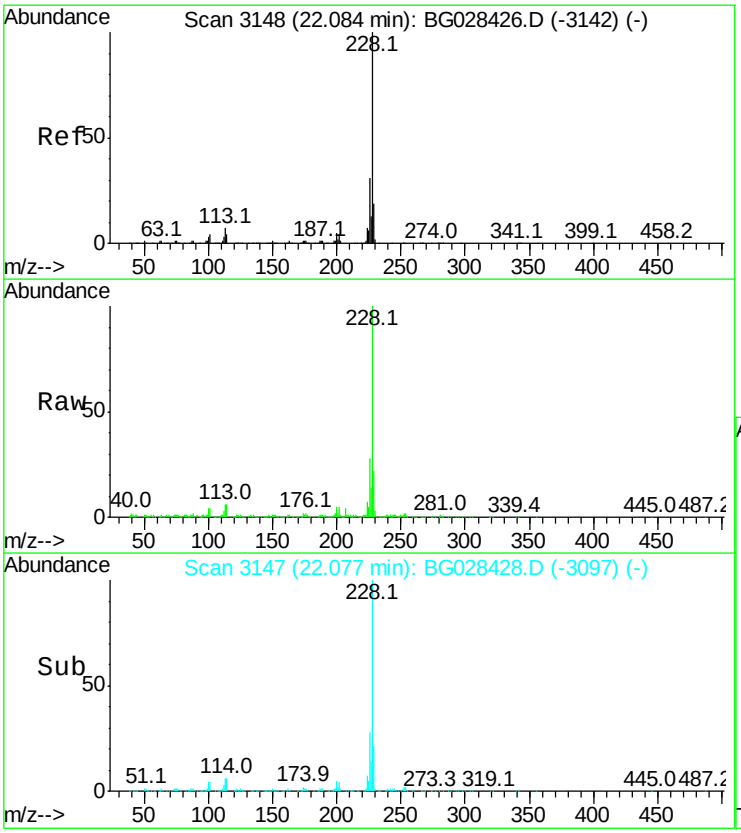

#80
Benzo(a)anthracene
Concen: 11.022 ng/ul
RT: 22.01 min Scan# 3136
Delta R.T. -0.00 min
Lab File: BG028428.D
Acq: 22 Aug 2017 21:58

**Instrument :**
BNA_G
**ClientSampleId :**
B0AB6DL

Tgt Ion:228 Resp: 240772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 22.1 | 16.3 | 24.5 |
| 226 | 28.1 | 21.9 | 32.9 |

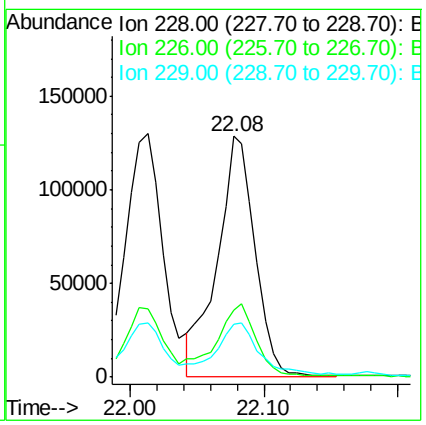


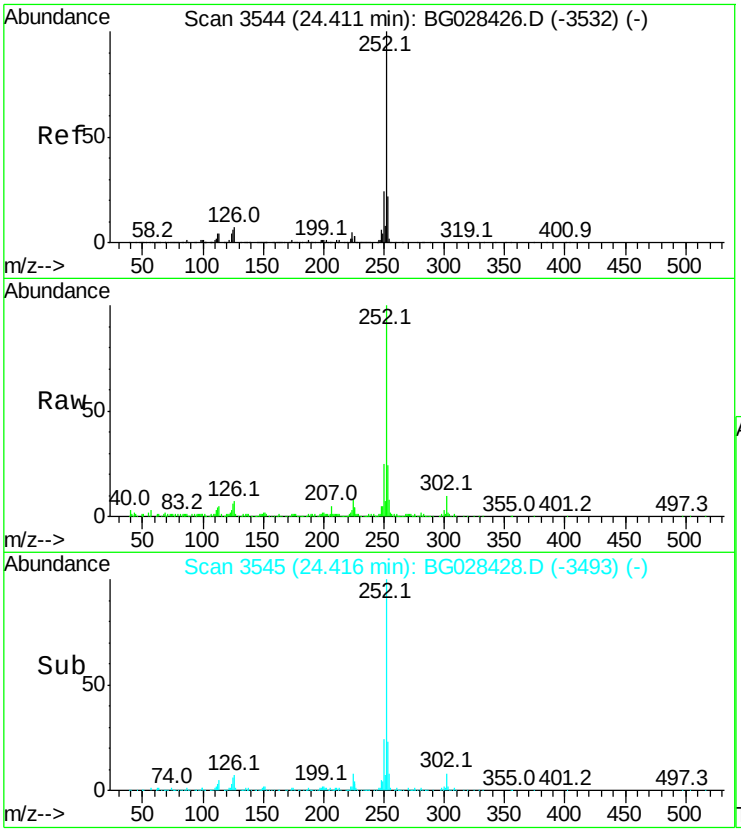




#82
Chrysene
Concen: 12.808 ng/ul
RT: 22.08 min Scan# 3147
Delta R.T. -0.01 min
Lab File: BG028428.D
Acq: 22 Aug 2017 21:58

Tgt Ion:228 Resp: 251979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.0 | 24.0 | 36.0 |
| 229 | 21.9 | 16.9 | 25.3 |



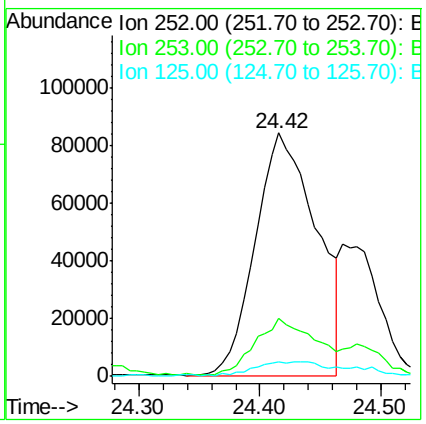


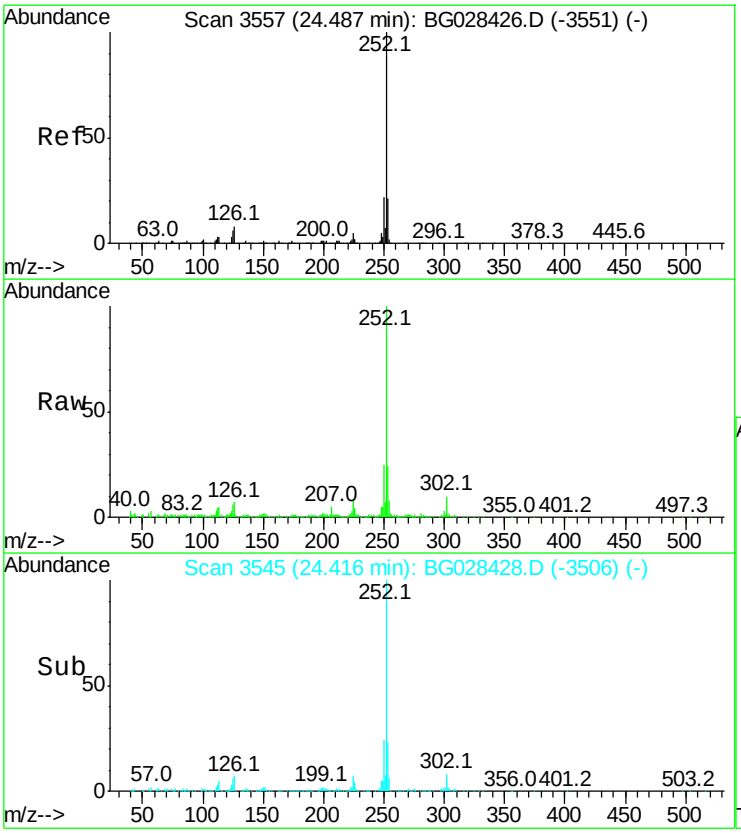

#85
Benzo(b)fluoranthene
Concen: 13.053 ng/ul
RT: 24.42 min Scan# 3545
Delta R.T. 0.01 min
Lab File: BG028428.D
Acq: 22 Aug 2017 21:58

**Instrument :**
BNA_G
**ClientSampleId :**
B0AB6DL

Tgt Ion:252 Resp: 295172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.8 | 17.7 | 26.5 |
| 125 | 6.0 | 4.0 | 6.0# |

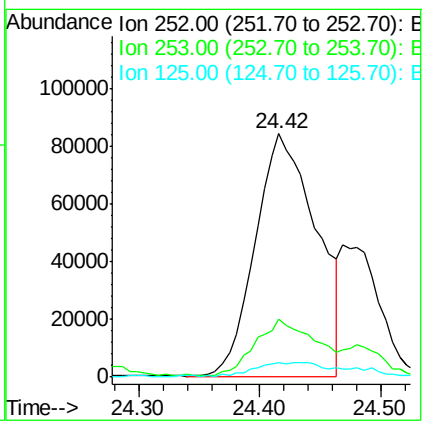


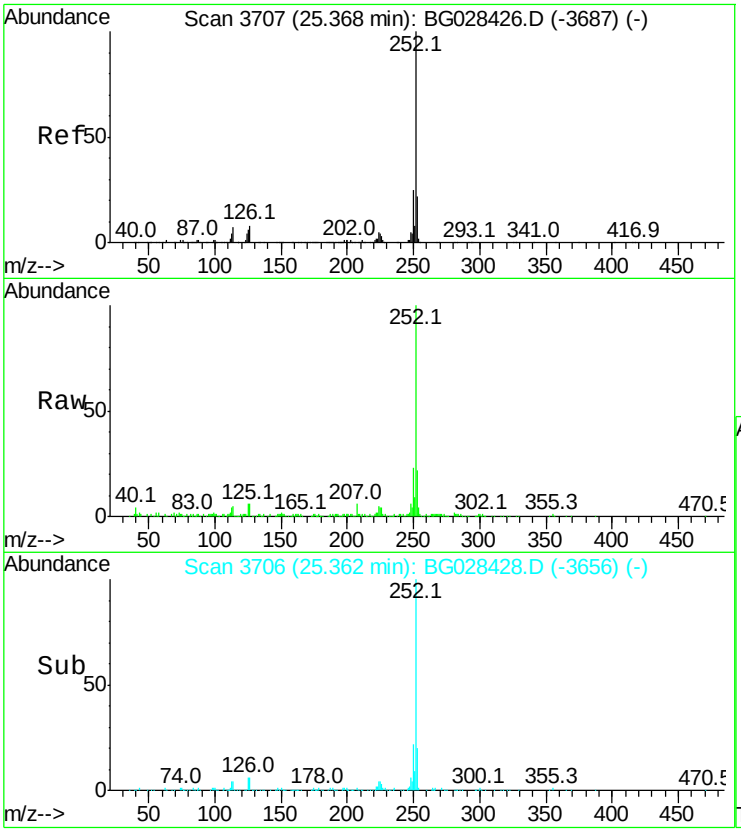




#86
Benzo(k)fluoranthene
Concen: 13.363 ng/ul
RT: 24.42 min Scan# 3545
Delta R.T. -0.07 min
Lab File: BG028428.D
Acq: 22 Aug 2017 21:58

Tgt Ion:252 Resp: 295172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.8 | 18.5 | 27.7 |
| 125 | 6.0 | 4.1 | 6.1 |



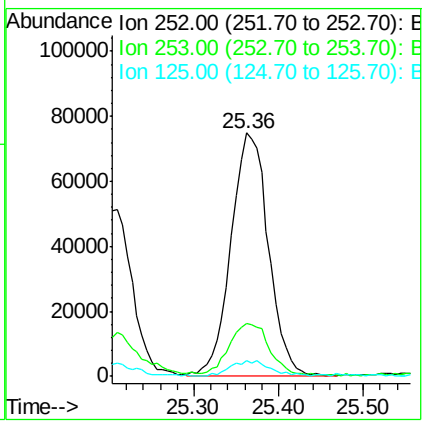


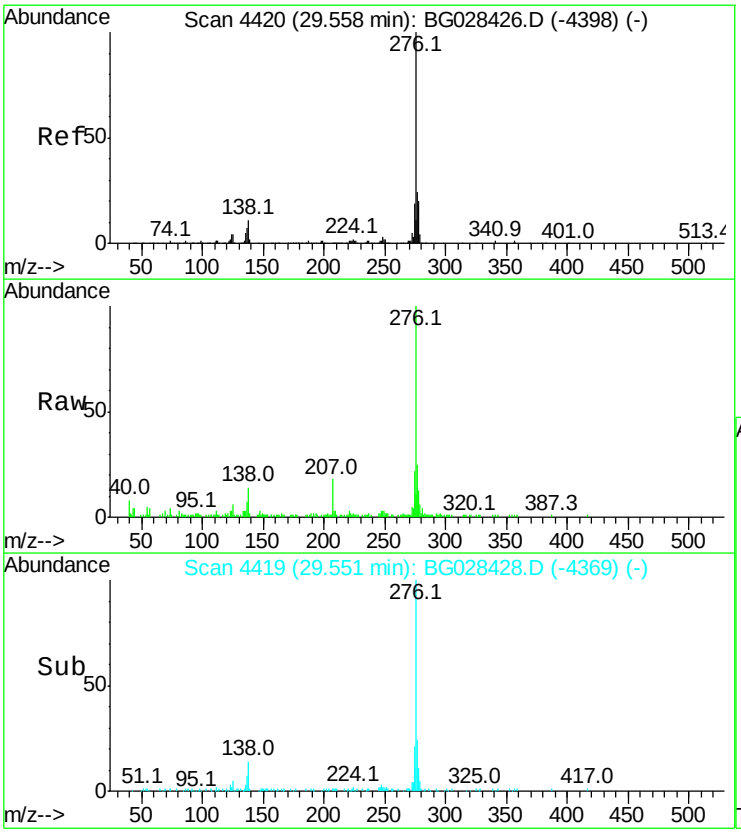

#88
Benzo(a)pyrene
Concen: 10.383 ng/ul
RT: 25.36 min Scan# 3706
Delta R.T. -0.01 min
Lab File: BG028428.D
Acq: 22 Aug 2017 21:58

**Instrument :**
BNA_G
**ClientSampleId :**
B0AB6DL

Tgt Ion:252 Resp: 227335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.8 | 26.6 |
| 125 | 6.2 | 5.4 | 8.0 |

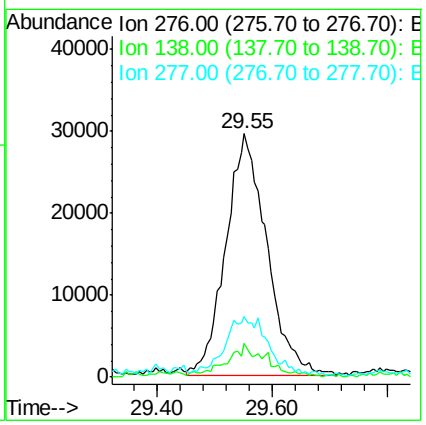


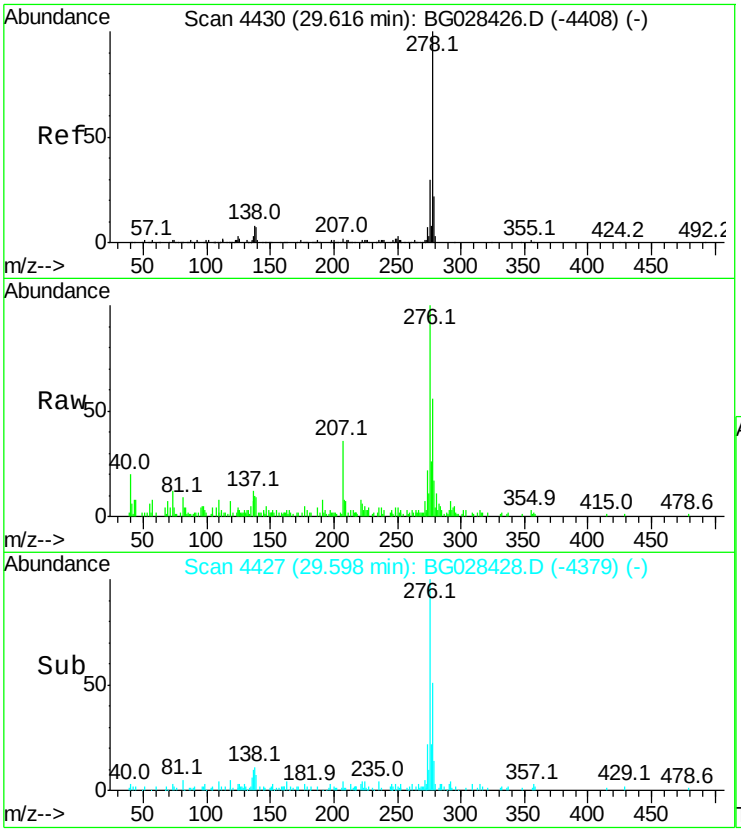




#89
Indeno(1,2,3-cd)pyrene
Concen: 5.637 ng/ul
RT: 29.55 min Scan# 4419
Delta R.T. -0.01 min
Lab File: BG028428.D
Acq: 22 Aug 2017 21:58

Tgt Ion:276 Resp: 144540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 13.7 | 8.2 | 12.4# |
| 277 | 24.7 | 18.6 | 28.0 |



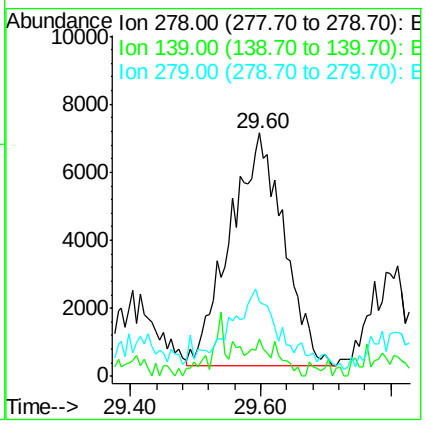


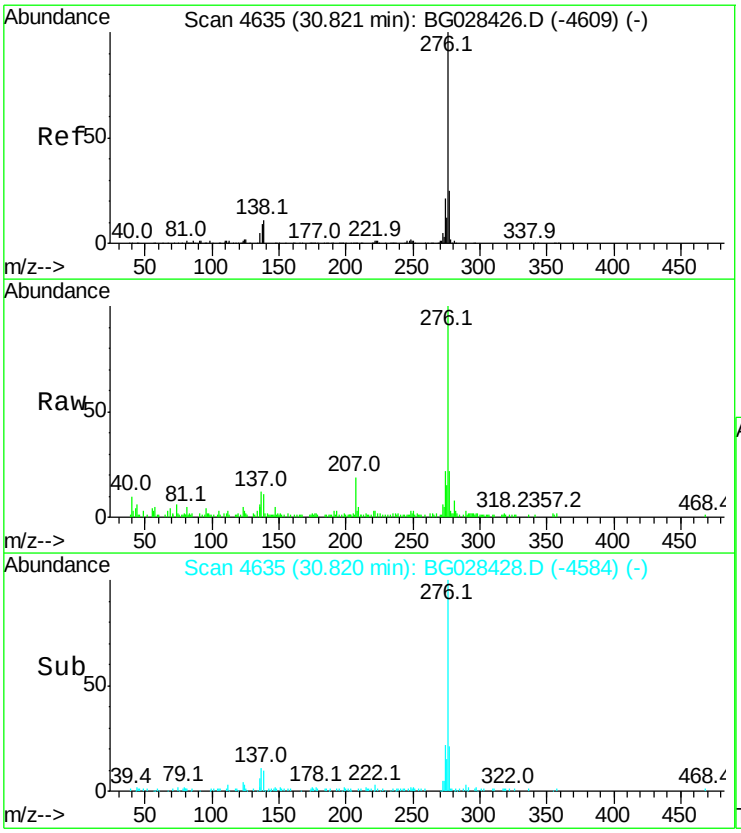

#90
Dibenzo(a,h)anthracene
Concen: 1.815 ng/ul
RT: 29.60 min Scan# 4427
Delta R.T. -0.02 min
Lab File: BG028428.D
Acq: 22 Aug 2017 21:58

**Instrument :**
BNA_G
**ClientSampleId :**
B0AB6DL

Tgt Ion:278 Resp: 39010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.4 | 6.7 | 10.1# |
| 279 | 30.9 | 20.9 | 31.3 |




#91
Benzo(g,h,i)perylene
Concen: 5.921 ng/ul
RT: 30.82 min Scan# 4635
Delta R.T. -0.00 min
Lab File: BG028428.D
Acq: 22 Aug 2017 21:58

Tgt Ion:276 Resp: 124895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 10.8 | 8.6 | 12.8 |
| 277 | 22.0 | 17.6 | 26.4 |