Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023613.D
Acq On : 11 Aug 2016 4:30
Operator : UM/SJ
Sample : H4384-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P001-SS001-0612-01

Quant Time: Aug 11 05:54:37 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 11 03:58:16 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.11 | 152 | 144954 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.94 | 136 | 693047 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.78 | 164 | 498349 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.55 | 188 | 1138835 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.87 | 240 | 1124921 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 25.27 | 264 | 1109936 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.48 | 96 | 10753 | 3.15 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.26 | 99 | 269529 | 18.46 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.43 | 67 | 176535 | 18.87 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.64 | 132 | 189782 | 19.05 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.82 | 113 | 217237 | 19.06 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.33 | 128 | 1253 | 0.23 | ng/ul | 0.04 |
| 22) 2-Nitrophenol-d4 | 10.02 | 143 | 123259 | 19.65 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.56 | 165 | 223313 | 18.87 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.09 | 131 | 232572 | 16.75 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.18 | 166 | 787885 | 19.31 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.48 | 160 | 906451 | 19.74 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 15.00 | 143 | 119727 | 17.19 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.78 | 176 | 719288 | 19.08 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.90 | 200 | 121921 | 16.69 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.65 | 188 | 1034055 | 20.15 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.94 | 212 | 1094159 | 19.22 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 25.03 | 264 | 997871 | 19.86 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 44) Dimethylphthalate | 14.22 | 163 | 704652 | 17.44 | ng/ul | 98 |
| 47) Acenaphthylene | 14.51 | 152 | 127453 | 2.65 | ng/ul | 97 |
| 69) Phenanthrene | 17.59 | 178 | 722296 | 12.25 | ng/ul | 97 |
| 71) Anthracene | 17.59 | 178 | 721957 | 12.00 | ng/ul | 97 |
| 74) Fluoranthene | 19.76 | 202 | 102165 | 1.69 | ng/ul | 95 |
| 77) Pyrene | 19.97 | 202 | 1450192 | 20.85 | ng/ul | 95 |
| 78) Butylbenzylphthalate | 20.85 | 149 | 1499111 | 56.20 | ng/ul# | 83 |
| 80) Benzo(a)anthracene | 21.85 | 228 | 786304 | 12.41 | ng/ul | 96 |
| 81) Bis(2-ethylhexyl)phthalate | 21.72 | 149 | 222611 | 6.28 | ng/ul | 98 |
| 82) Chrysene | 21.92 | 228 | 807881 | 14.02 | ng/ul | 95 |
| 85) Benzo(b)fluoranthene | 24.45 | 252 | 112467 | 1.78 | ng/ul | 94 |
| 88) Benzo(a)pyrene | 25.34 | 252 | 175734 | 2.88 | ng/ul | 97 |
| 89) Indeno(1,2,3-cd)pyrene | 29.14 | 276 | 282097 | 3.94 | ng/ul# | 85 |
| 90) Dibenzo(a,h)anthracene | 29.17 | 278 | 69081 | 1.13 | ng/ul# | 76 |
| 91) Benzo(g,h,i)perylene | 30.35 | 276 | 218861 | 3.69 | ng/ul# | 89 |

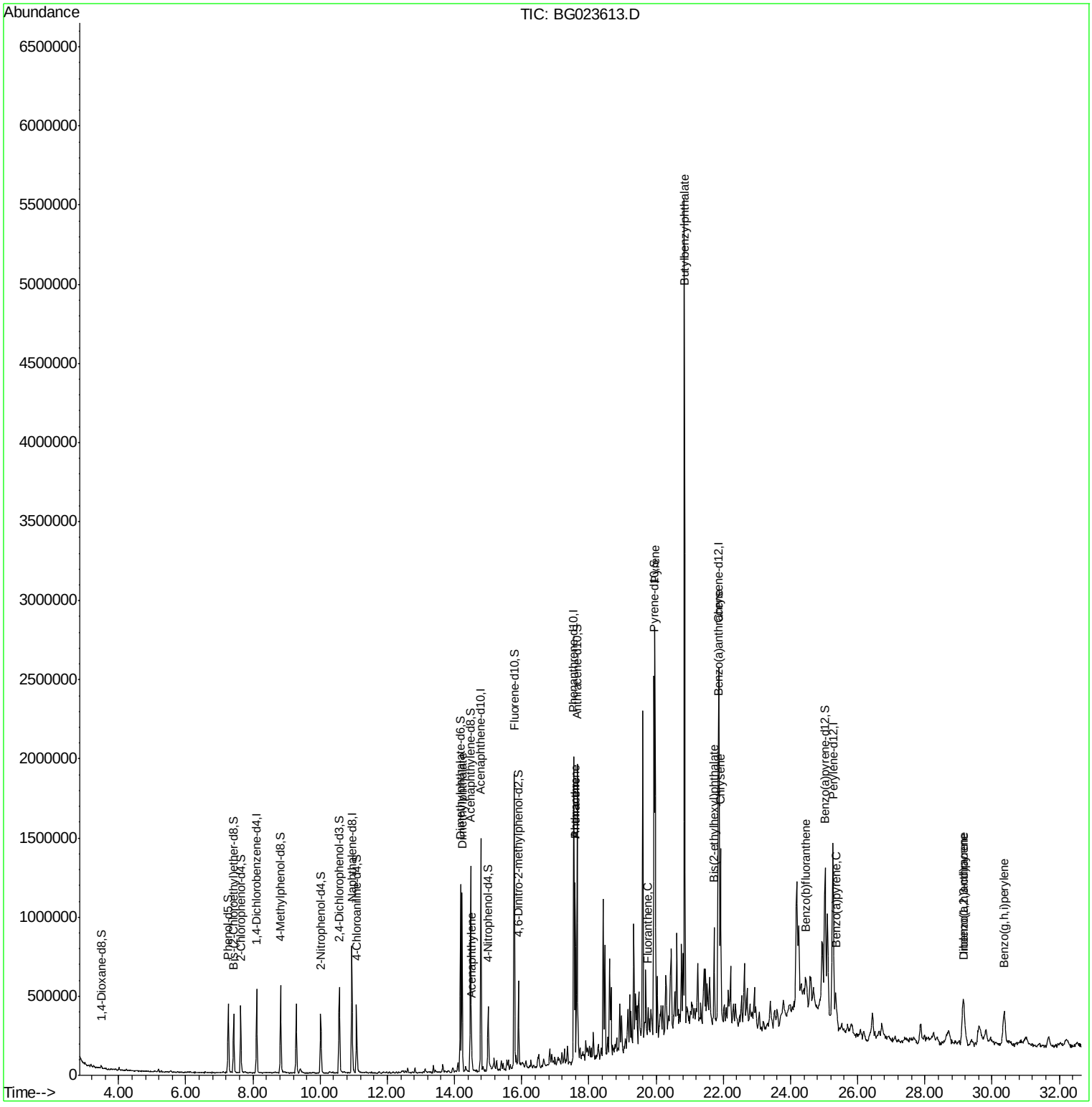
(#) = qualifier out of range (m) = manual integration (+) = signals summed

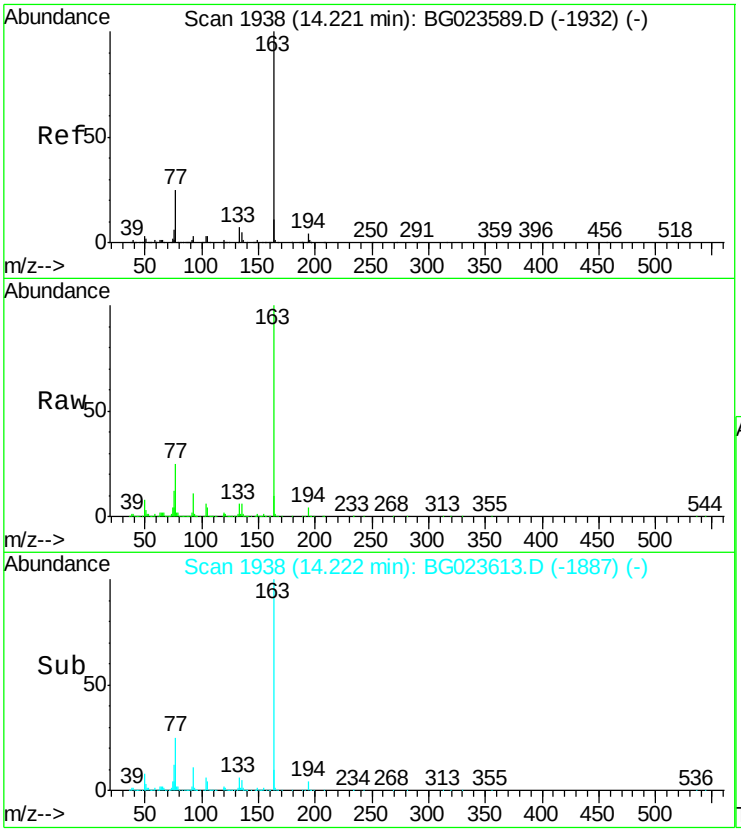
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023613.D
Acq On : 11 Aug 2016 4:30
Operator : UM/SJ
Sample : H4384-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
P001-SS001-0612-01

Quant Time: Aug 11 05:54:37 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 11 03:58:16 2016
Response via : Initial Calibration



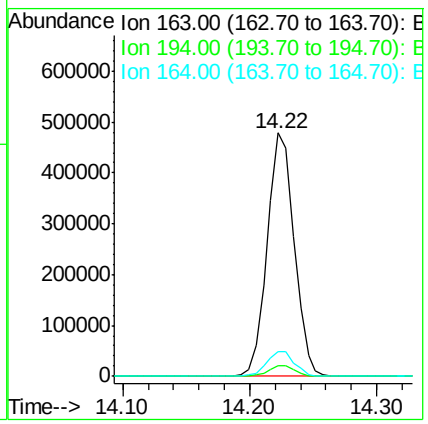


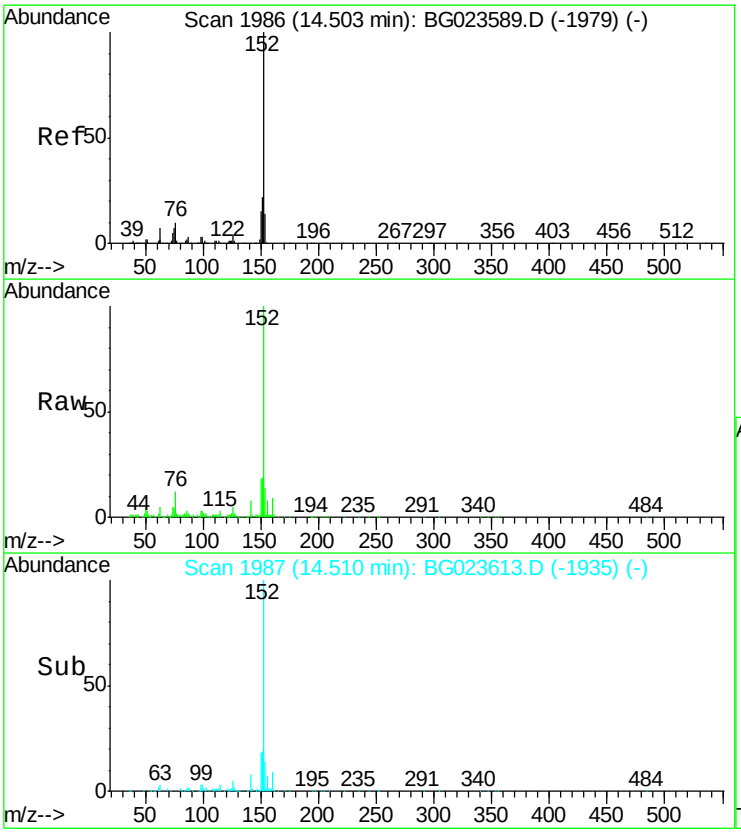

#44
Dimethylphthalate
Concen: 17.44 ng/ul
RT: 14.22 min Scan# 1938
Delta R.T. 0.00 min
Lab File: BG023613.D
Acq: 11 Aug 2016 4:30

**Instrument :**
BNA_G
**ClientSampleId :**
P001-SS001-0612-01

Tgt Ion:163 Resp: 704652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 3.4 | 5.2 |
| 164 | 10.1 | 8.8 | 13.2 |

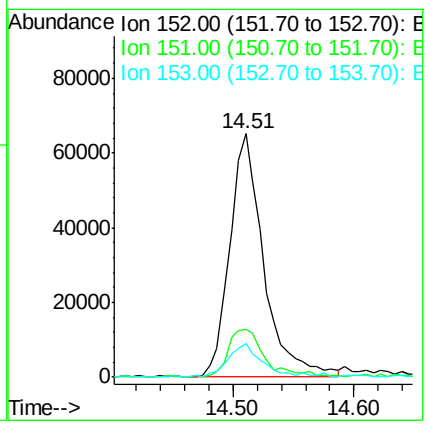


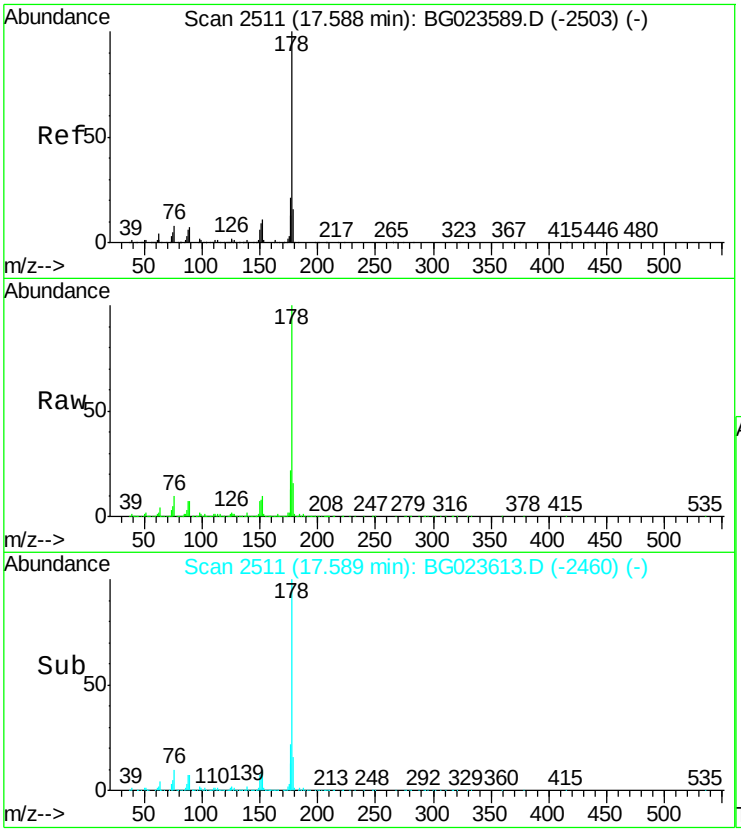




#47
Acenaphthylene
Concen: 2.65 ng/ul
RT: 14.51 min Scan# 1987
Delta R.T. 0.01 min
Lab File: BG023613.D
Acq: 11 Aug 2016 4:30

Tgt Ion:152 Resp: 127453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.4 | 17.5 | 26.3 |
| 153 | 13.9 | 11.1 | 16.7 |



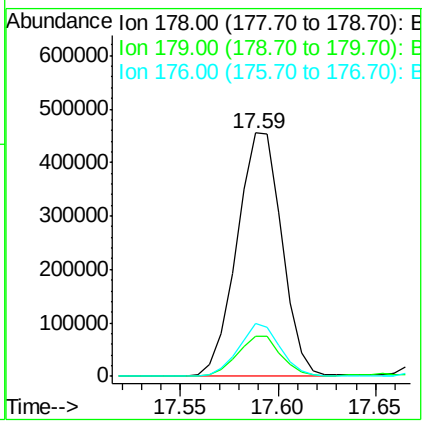


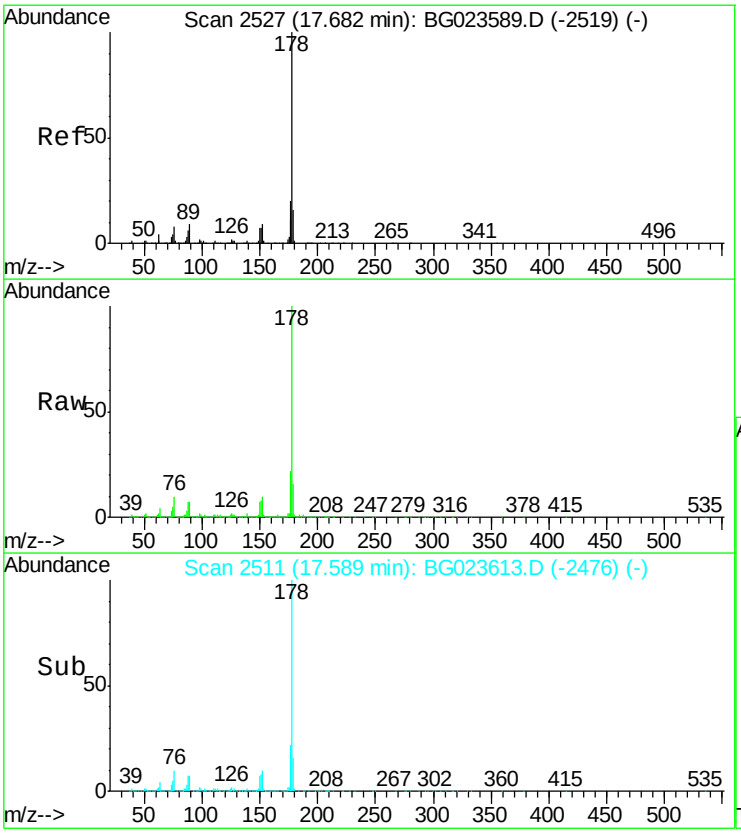

#69
Phenanthrene
Concen: 12.25 ng/ul
RT: 17.59 min Scan# 2511
Delta R.T. 0.00 min
Lab File: BG023613.D
Acq: 11 Aug 2016 4:30

**Instrument :**
BNA_G
**ClientSampleId :**
P001-SS001-0612-01

Tgt Ion:178 Resp: 722296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.5 | 12.9 | 19.3 |
| 176 | 21.6 | 15.8 | 23.8 |

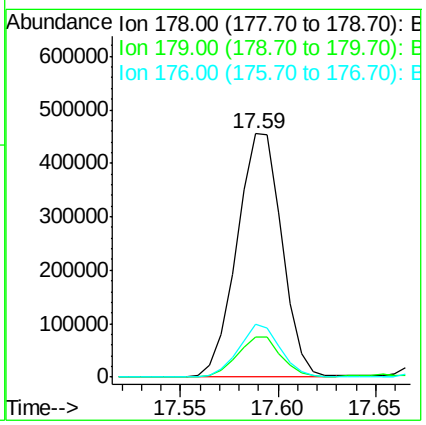


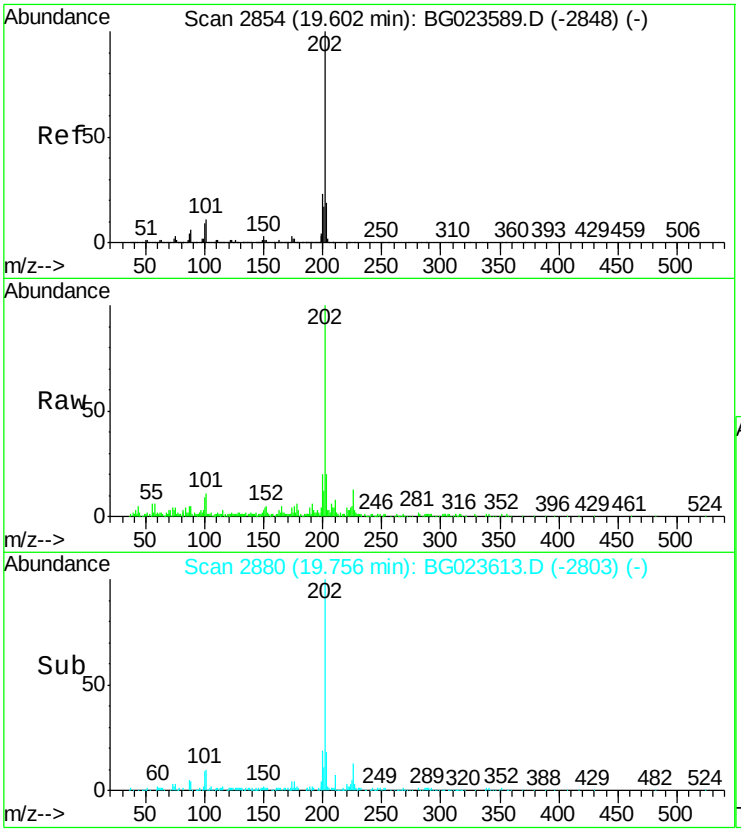




#71
Anthracene
Concen: 12.00 ng/ul
RT: 17.59 min Scan# 2511
Delta R.T. -0.09 min
Lab File: BG023613.D
Acq: 11 Aug 2016 4:30

Tgt Ion:178 Resp: 721957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.5 | 12.3 | 18.5 |
| 176 | 21.6 | 16.3 | 24.5 |



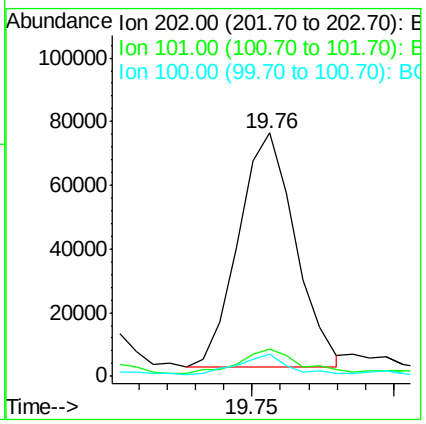


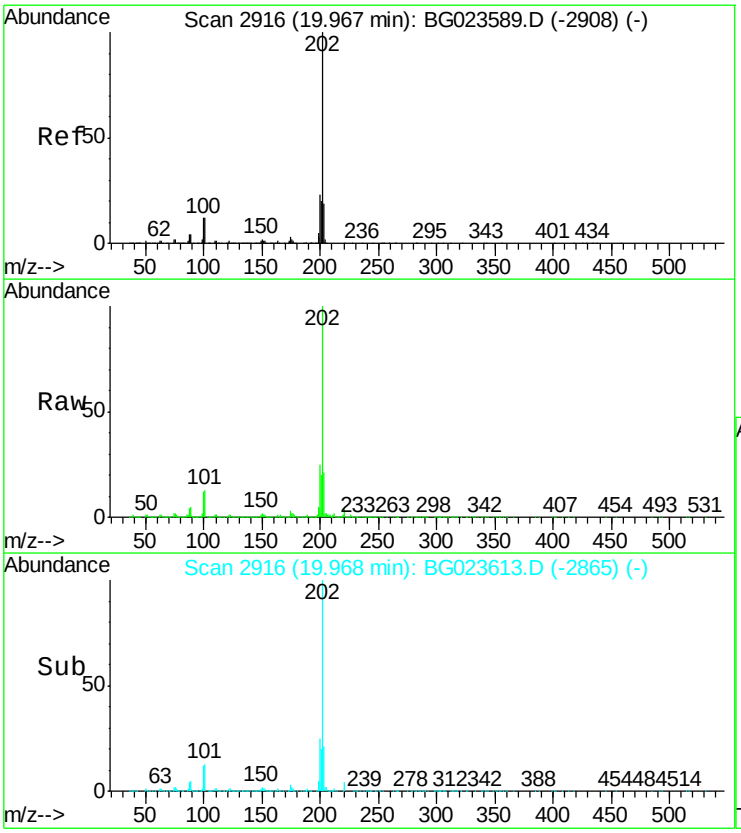

#74
Fluoranthene
Concen: 1.69 ng/ul
RT: 19.76 min Scan# 2880
Delta R.T. 0.15 min
Lab File: BG023613.D
Acq: 11 Aug 2016 4:30

**Instrument :**
BNA_G
**ClientSampleId :**
P001-SS001-0612-01

Tgt Ion:202 Resp: 102165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.2 | 10.6 | 16.0 |
| 100 | 8.9 | 8.7 | 13.1 |

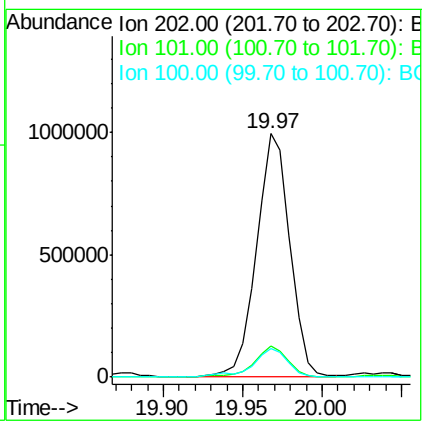


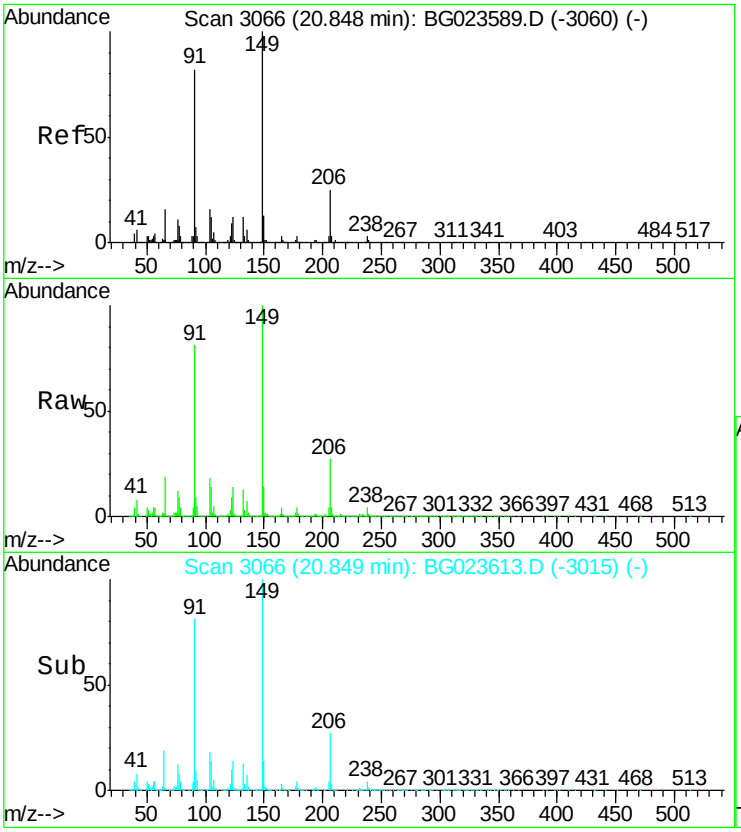




#77
Pyrene
Concen: 20.85 ng/ul
RT: 19.97 min Scan# 2916
Delta R.T. 0.00 min
Lab File: BG023613.D
Acq: 11 Aug 2016 4:30

Tgt Ion:202 Resp: 1450192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.8 | 12.5 | 18.7 |
| 100 | 11.6 | 10.2 | 15.4 |



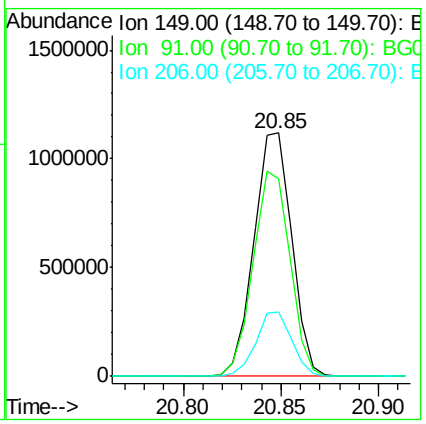


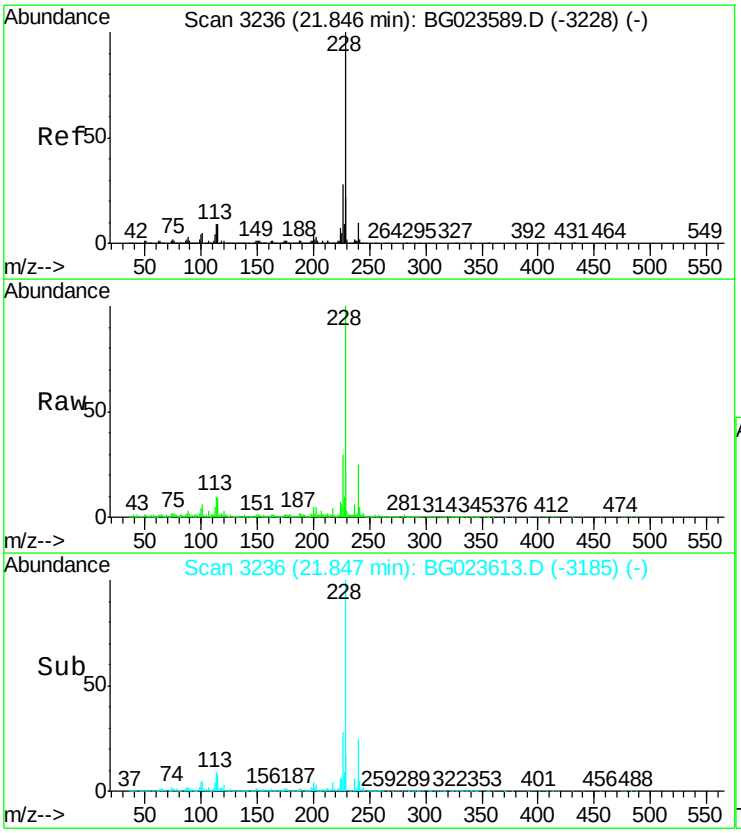

#78
Butylbenzylphthalate
Concen: 56.20 ng/ul
RT: 20.85 min Scan# 3066
Delta R.T. 0.00 min
Lab File: BG023613.D
Acq: 11 Aug 2016 4:30

**Instrument :**
BNA_G
**ClientSampleId :**
P001-SS001-0612-01

Tgt Ion:149 Resp: 1499111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 81.1 | 54.2 | 81.4 |
| 206 | 26.7 | 14.1 | 21.1# |

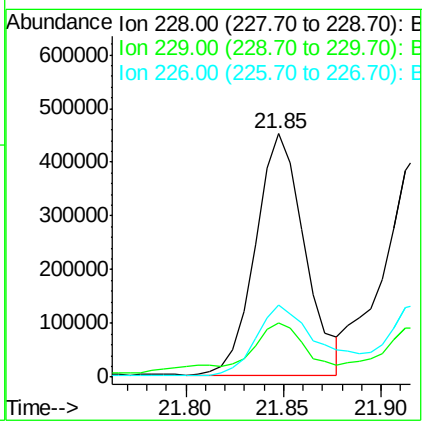


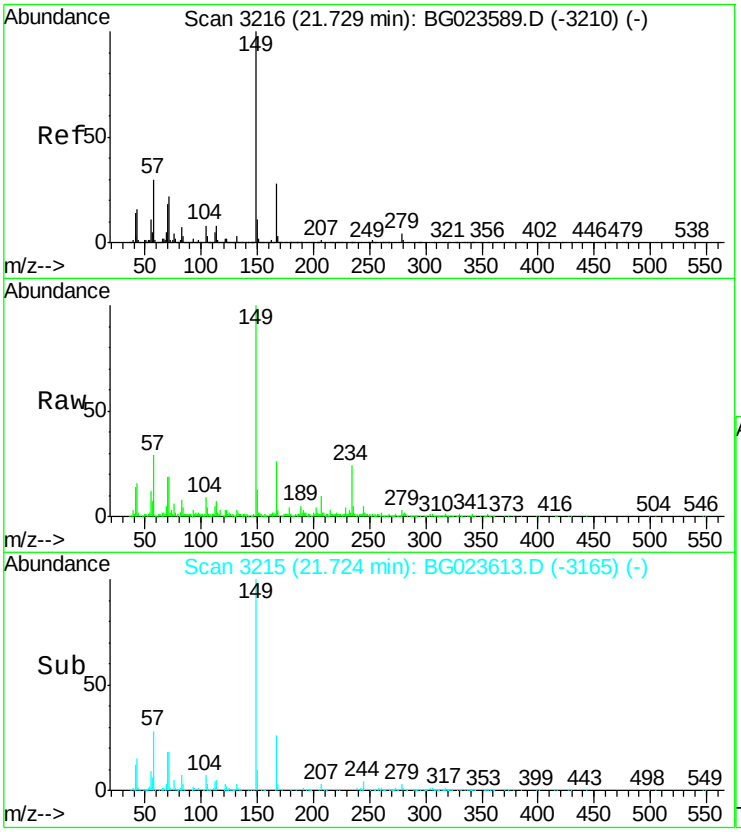




#80
Benzo(a)anthracene
Concen: 12.41 ng/ul
RT: 21.85 min Scan# 3236
Delta R.T. 0.00 min
Lab File: BG023613.D
Acq: 11 Aug 2016 4:30

Tgt Ion:228 Resp: 786304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 22.3 | 15.4 | 23.2 |
| 226 | 29.9 | 22.8 | 34.2 |



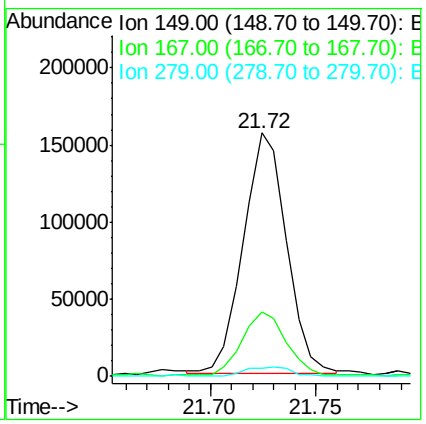


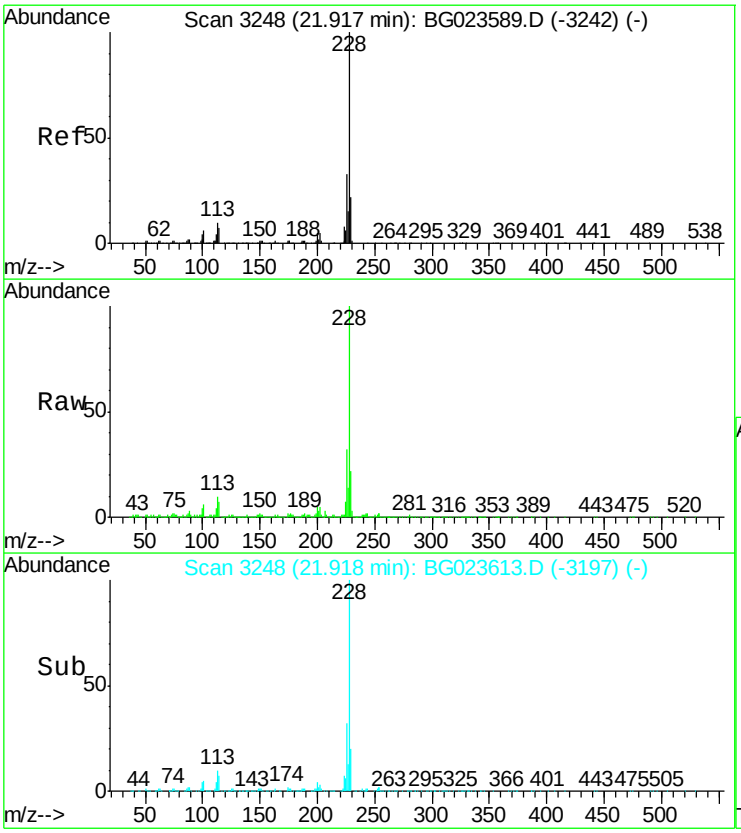

#81
Bis(2-ethylhexyl)phthalate
Concen: 6.28 ng/ul
RT: 21.72 min Scan# 3215
Delta R.T. -0.00 min
Lab File: BG023613.D
Acq: 11 Aug 2016 4:30

**Instrument :**
BNA_G
**ClientSampleId :**
P001-SS001-0612-01

Tgt Ion:149 Resp: 222611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.4 | 21.9 | 32.9 |
| 279 | 3.5 | 2.9 | 4.3 |

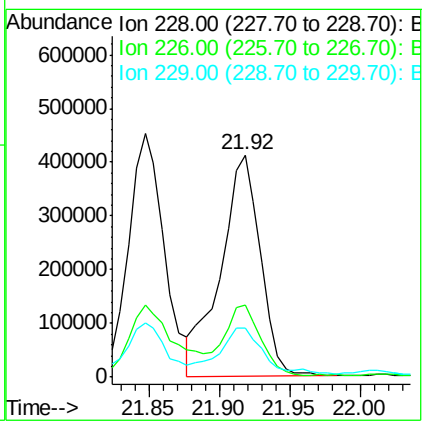


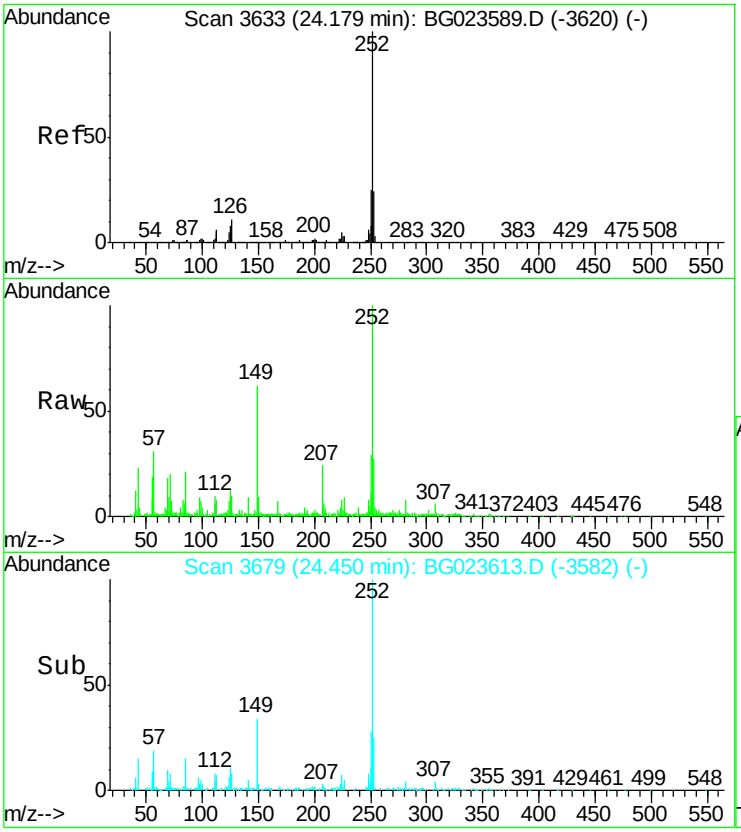




#82
Chrysene
Concen: 14.02 ng/ul
RT: 21.92 min Scan# 3248
Delta R.T. 0.00 min
Lab File: BG023613.D
Acq: 11 Aug 2016 4:30

Tgt Ion:228 Resp: 807881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.4 | 24.2 | 36.4 |
| 229 | 22.1 | 15.0 | 22.6 |



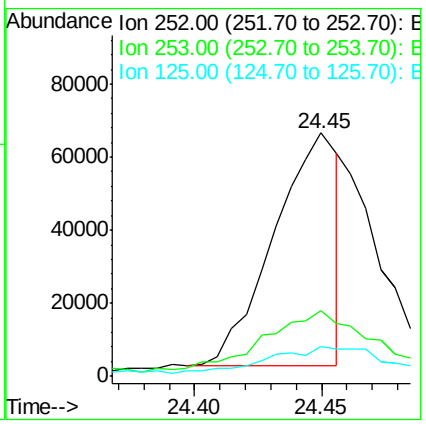


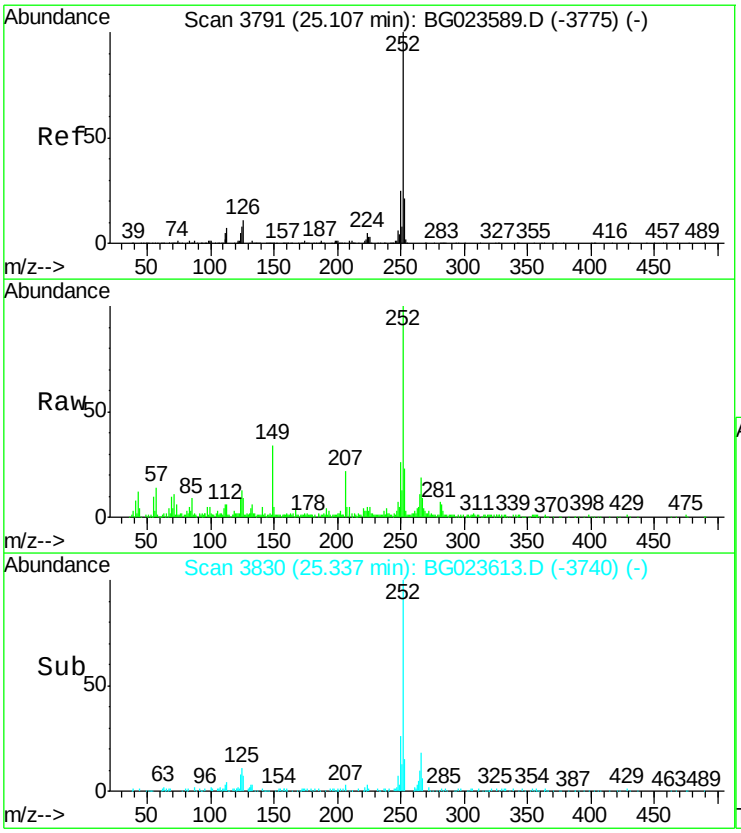

#85
Benzo(b)fluoranthene
Concen: 1.78 ng/ul
RT: 24.45 min Scan# 3679
Delta R.T. 0.27 min
Lab File: BG023613.D
Acq: 11 Aug 2016 4:30

**Instrument :**
BNA_G
**ClientSampleId :**
P001-SS001-0612-01

Tgt Ion:252 Resp: 112467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.8 | 18.2 | 27.2 |
| 125 | 12.4 | 10.8 | 16.2 |

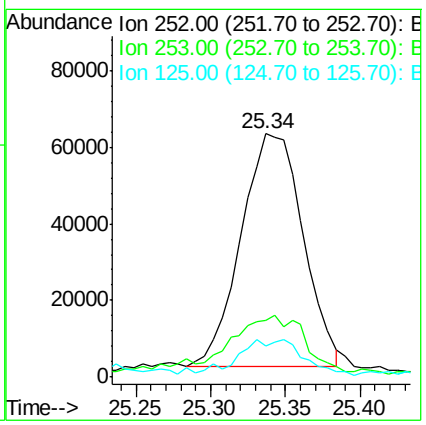


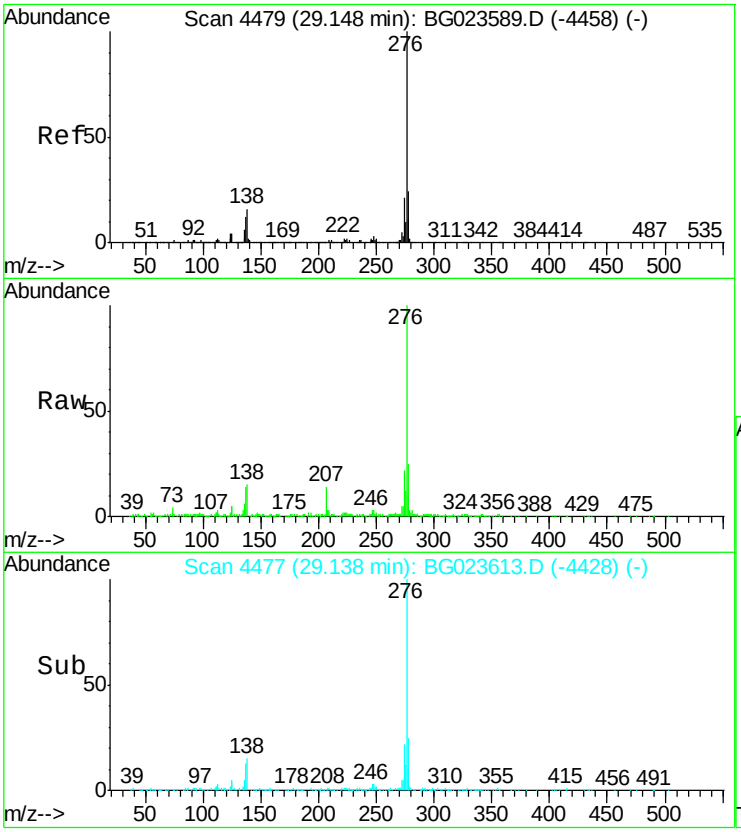




#88
Benzo(a)pyrene
Concen: 2.88 ng/ul
RT: 25.34 min Scan# 3830
Delta R.T. 0.23 min
Lab File: BG023613.D
Acq: 11 Aug 2016 4:30

Tgt Ion:252 Resp: 175734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.1 | 19.0 | 28.4 |
| 125 | 12.8 | 12.0 | 18.0 |



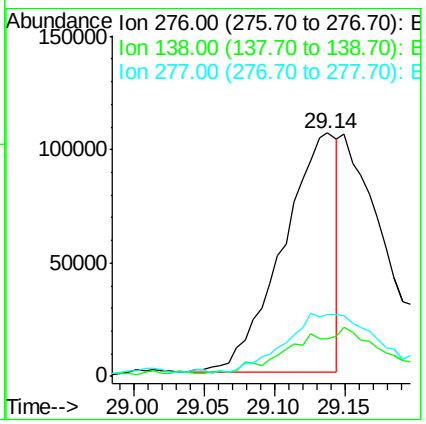


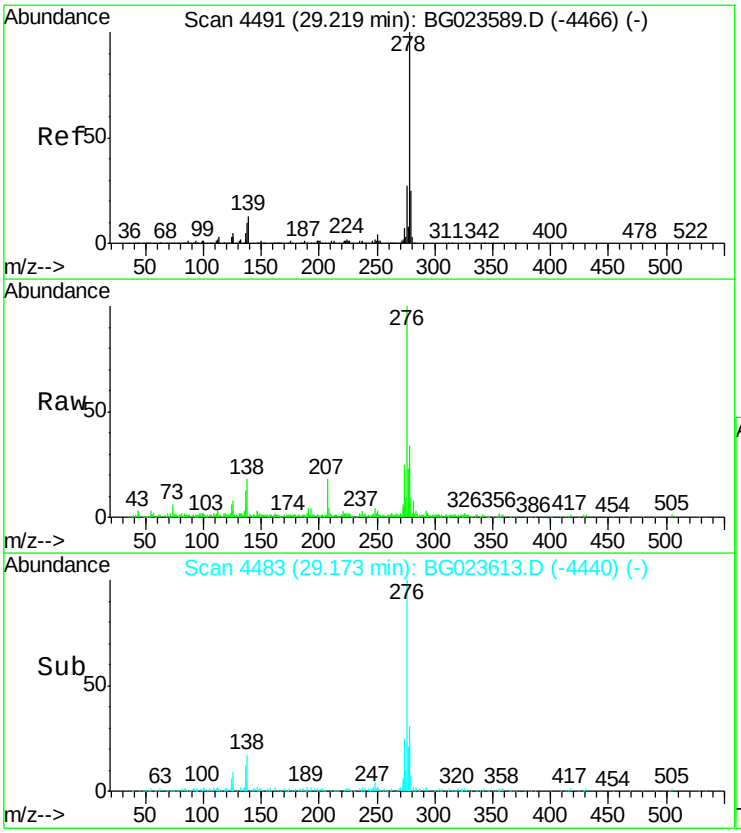

#89
Indeno(1,2,3-cd)pyrene
Concen: 3.94 ng/ul
RT: 29.14 min Scan# 4477
Delta R.T. -0.01 min
Lab File: BG023613.D
Acq: 11 Aug 2016 4:30

**Instrument :**
BNA_G
**ClientSampleId :**
P001-SS001-0612-01

Tgt Ion:276 Resp: 282097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 15.3 | 20.8 | 31.2# |
| 277 | 25.3 | 17.6 | 26.4 |

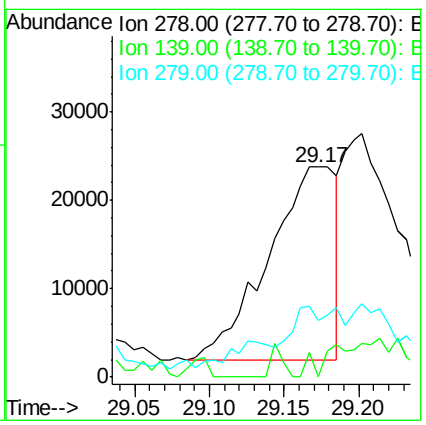


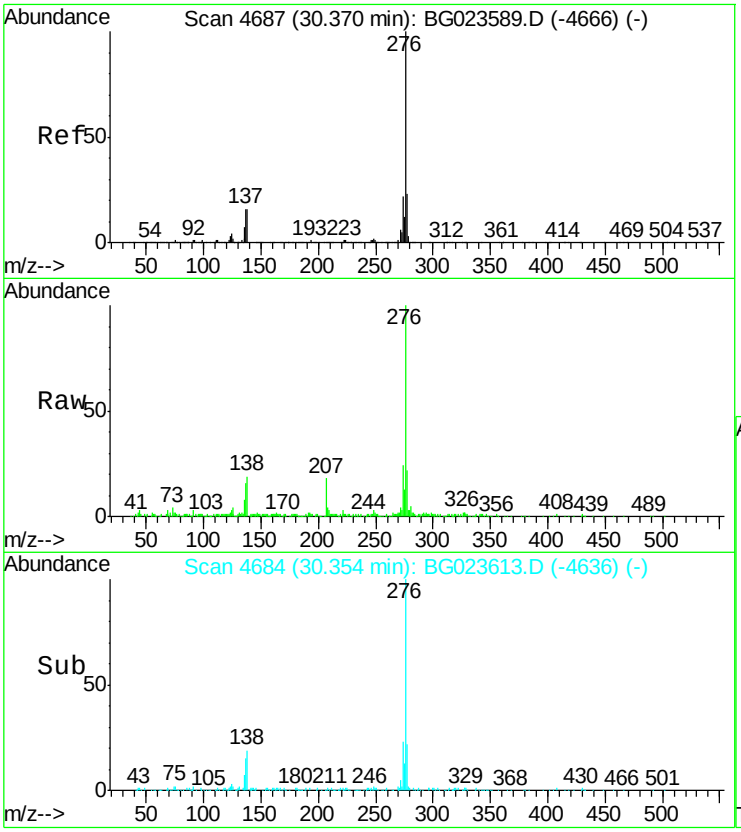




#90
Dibenzo(a,h)anthracene
Concen: 1.13 ng/ul
RT: 29.17 min Scan# 4483
Delta R.T. -0.05 min
Lab File: BG023613.D
Acq: 11 Aug 2016 4:30

Tgt Ion:278 Resp: 69081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 0.0 | 16.3 | 24.5# |
| 279 | 27.3 | 19.1 | 28.7 |






#91
Benzo(g,h,i)perylene
Concen: 3.69 ng/ul
RT: 30.35 min Scan# 4684
Delta R.T. -0.02 min
Lab File: BG023613.D
Acq: 11 Aug 2016 4:30

**Instrument :**
BNA_G
**ClientSampleId :**
P001-SS001-0612-01

Tgt Ion:276 Resp: 218861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 18.5 | 22.1 | 33.1# |
| 277 | 22.5 | 17.0 | 25.4 |