Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102220\
Data File : BG047043.D
Acq On : 22 Oct 2020 23:07
Operator : CG/JU
Sample : L4449-13
Misc : GCMS CONFIRMATION
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AF1

Quant Time: Oct 23 04:44:24 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 22 05:48:14 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.06 | 152 | 67853 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.87 | 136 | 249057 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.69 | 164 | 170519 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.43 | 188 | 339695 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.70 | 240 | 352173 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 24.93 | 264 | 389226 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 0.00 | 96 | 0 | 0.00 | ng/uL | |
| 5) Phenol-d5 | 0.00 | 99 | 0 | 0.00 | ng/ul | |
| 7) Bis-(2-Chloroethyl)ether-d | 0.00 | 67 | 0 | 0.00 | ng/ul | |
| 9) 2-Chlorophenol-d4 | 0.00 | 132 | 0 | 0.00 | ng/ul | |
| 13) 4-Methylphenol-d8 | 0.00 | 113 | 0 | 0.00 | ng/ul | |
| 19) Nitrobenzene-d5 | 0.00 | 128 | 0 | 0.00 | ng/ul | |
| 22) 2-Nitrophenol-d4 | 0.00 | 143 | 0 | 0.00 | ng/ul | |
| 26) 2,4-Dichlorophenol-d3 | 0.00 | 165 | 0 | 0.00 | ng/ul | |
| 29) 4-Chloroaniline-d4 | 0.00 | 131 | 0d | 0.00 | ng/ul | |
| 44) Dimethylphthalate-d6 | 0.00 | 166 | 0 | 0.00 | ng/ul | |
| 47) Acenaphthylene-d8 | 0.00 | 160 | 0 | 0.00 | ng/ul | |
| 52) 4-Nitrophenol-d4 | 0.00 | 143 | 0 | 0.00 | ng/ul | |
| 58) Fluorene-d10 | 0.00 | 176 | 0 | 0.00 | ng/ul | |
| 63) 4,6-Dinitro-2-methylphenol | 0.00 | 200 | 0 | 0.00 | ng/ul | |
| 71) Anthracene-d10 | 0.00 | 188 | 0d | 0.00 | ng/ul | |
| 79) Pyrene-d10 | 0.00 | 212 | 0d | 0.00 | ng/ul | |
| 90) Benzo(a)pyrene-d12 | 0.00 | 264 | 0d | 0.00 | ng/ul | |
| **Target Compounds** | | | | | | Qvalue |
| 70) Phenanthrene | 17.47 | 178 | 365555 | 19.187 | ng/ul | 98 |
| 77) Fluoranthene | 19.48 | 202 | 387972 | 16.919 | ng/ul# | 98 |
| 80) Pyrene | 19.84 | 202 | 83783 | 3.476 | ng/ul | 97 |
| 83) Benzo(a)anthracene | 21.68 | 228 | 101662 | 4.261 | ng/ul | 98 |
| 85) Chrysene | 21.75 | 228 | 141924 | 6.183 | ng/ul | 95 |
| 88) Benzo(b)fluoranthene | 23.91 | 252 | 53710 | 2.077 | ng/ul | 98 |

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

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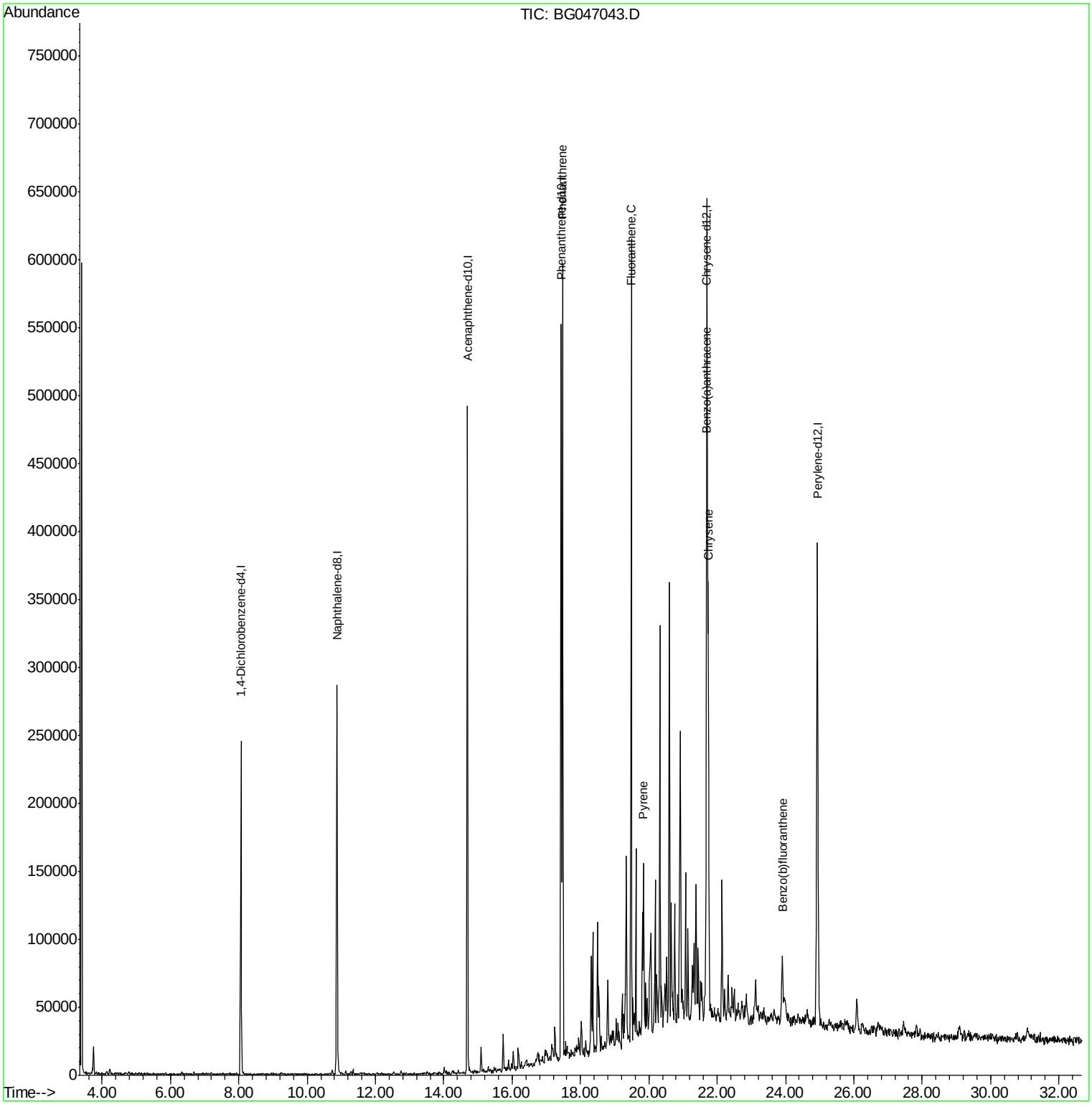
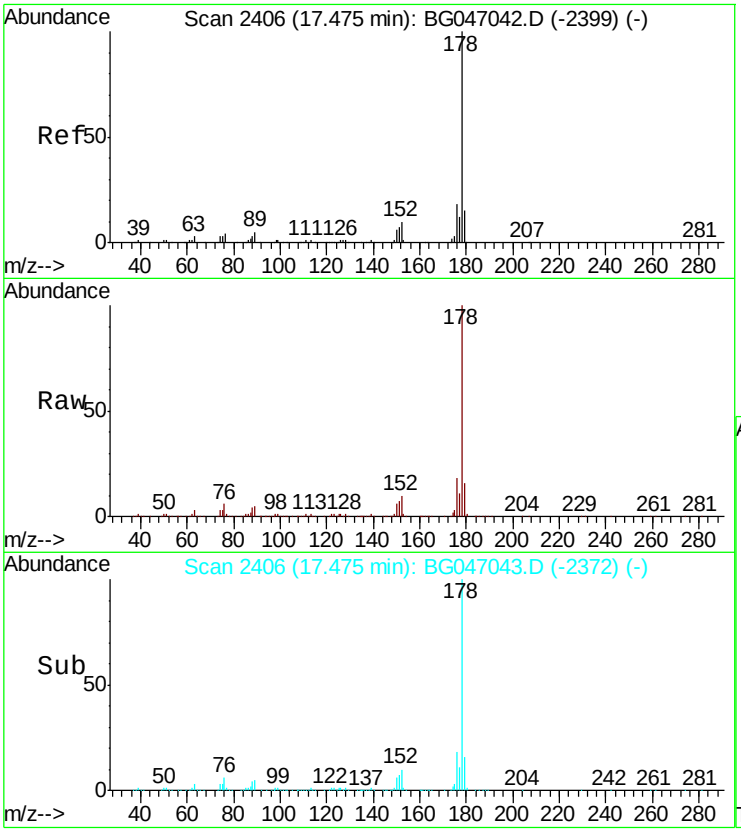


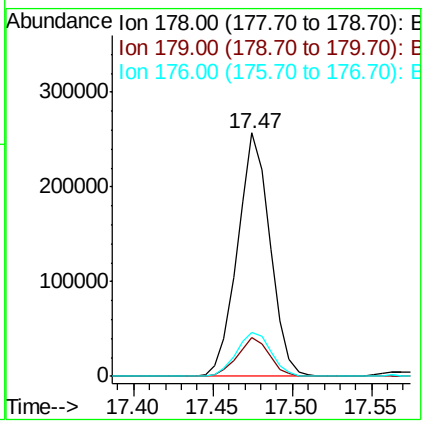


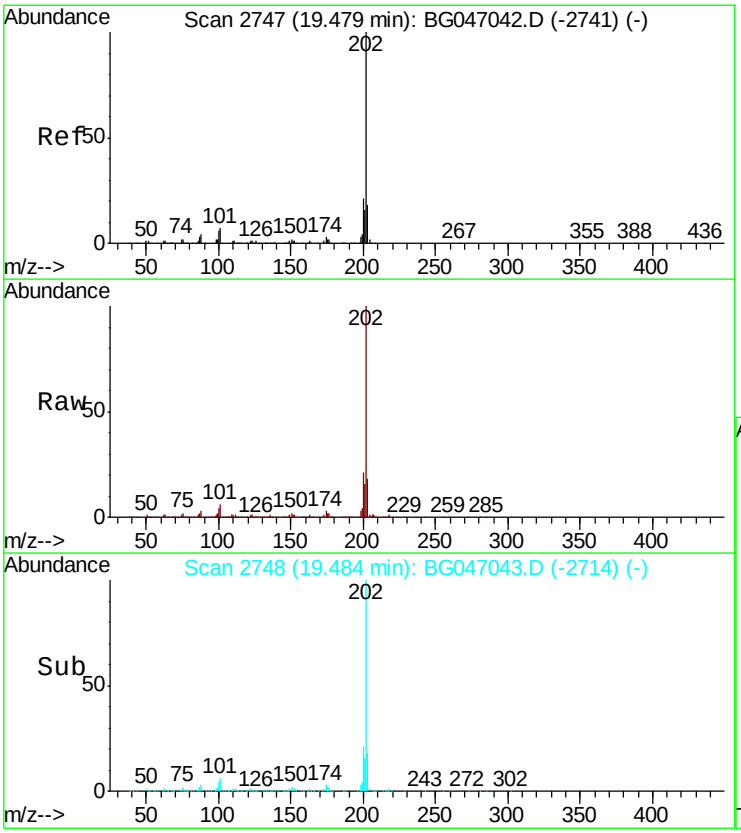

#70
Phenanthrene
Concen: 19.187 ng/ul
RT: 17.47 min Scan# 2406
Delta R.T. -0.00 min
Lab File: BG047043.D
Acq: 22 Oct 2020 23:07

**Instrument :**
BNA_G
**ClientSampleId :**
C0AF1

Tgt Ion:178 Resp: 365555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.1 | 13.0 | 19.4 |
| 176 | 17.9 | 15.5 | 23.3 |

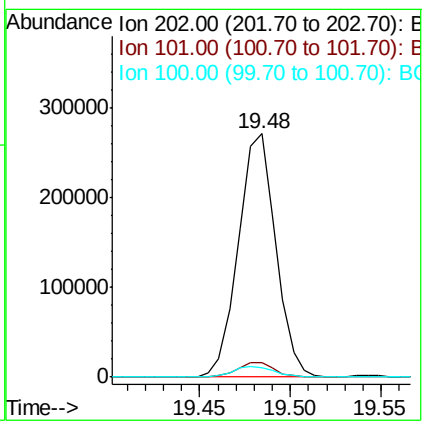


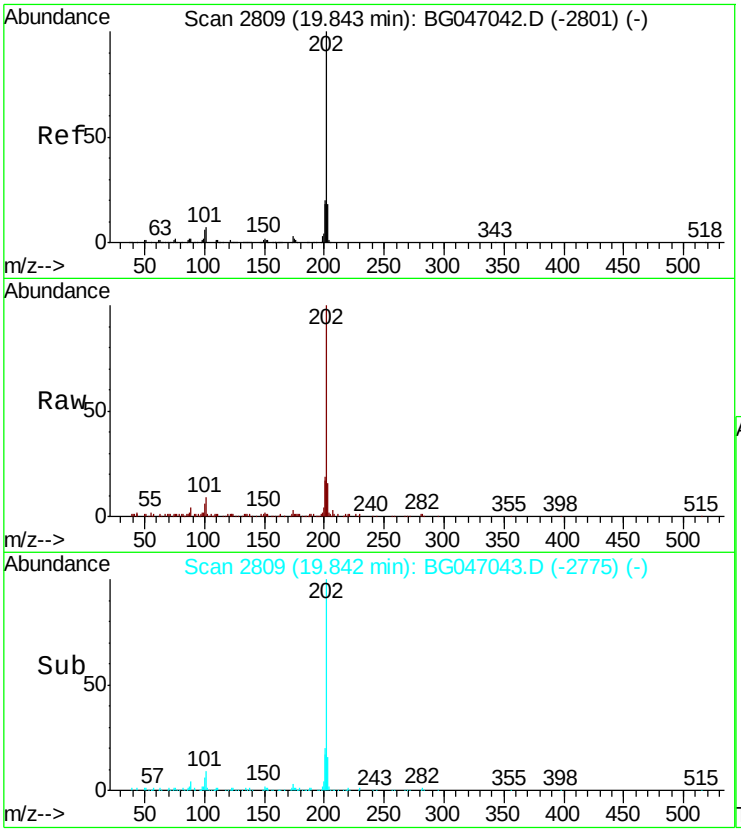




#77
Fluoranthene
Concen: 16.919 ng/ul
RT: 19.48 min Scan# 2748
Delta R.T. -0.00 min
Lab File: BG047043.D
Acq: 22 Oct 2020 23:07

Tgt Ion:202 Resp: 387972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 5.8 | 4.9 | 7.3 |
| 100 | 4.0 | 4.2 | 6.4# |



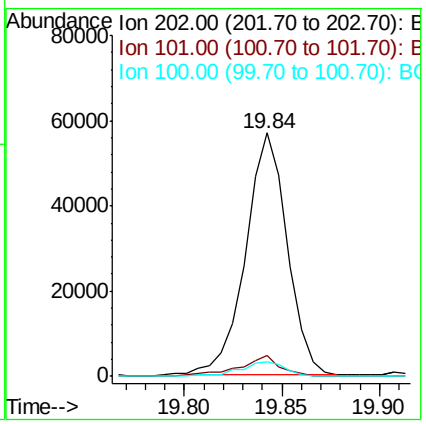


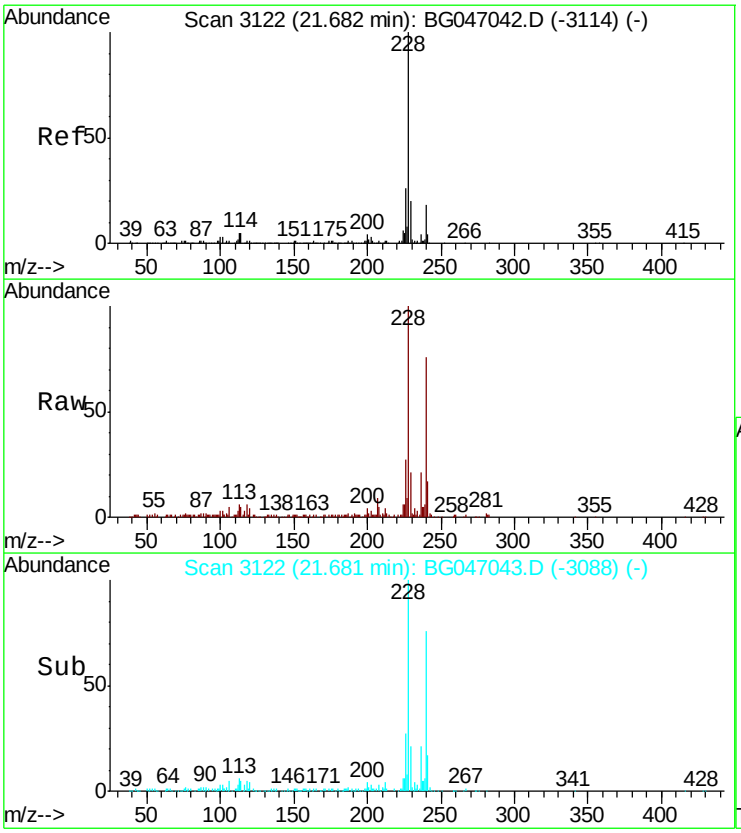

#80
Pyrene
Concen: 3.476 ng/ul
RT: 19.84 min Scan# 2809
Delta R.T. -0.00 min
Lab File: BG047043.D
Acq: 22 Oct 2020 23:07

**Instrument :**
BNA_G
**ClientSampleId :**
C0AF1

Tgt Ion:202 Resp: 83783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.5 | 5.8 | 8.6 |
| 100 | 5.8 | 5.0 | 7.4 |

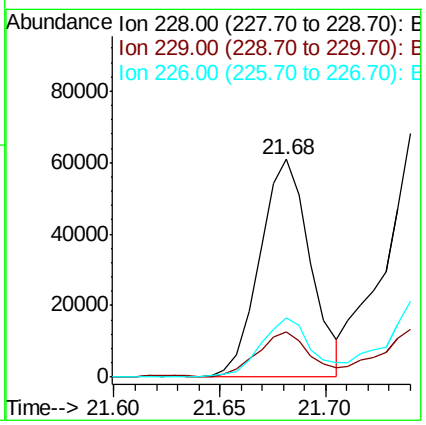


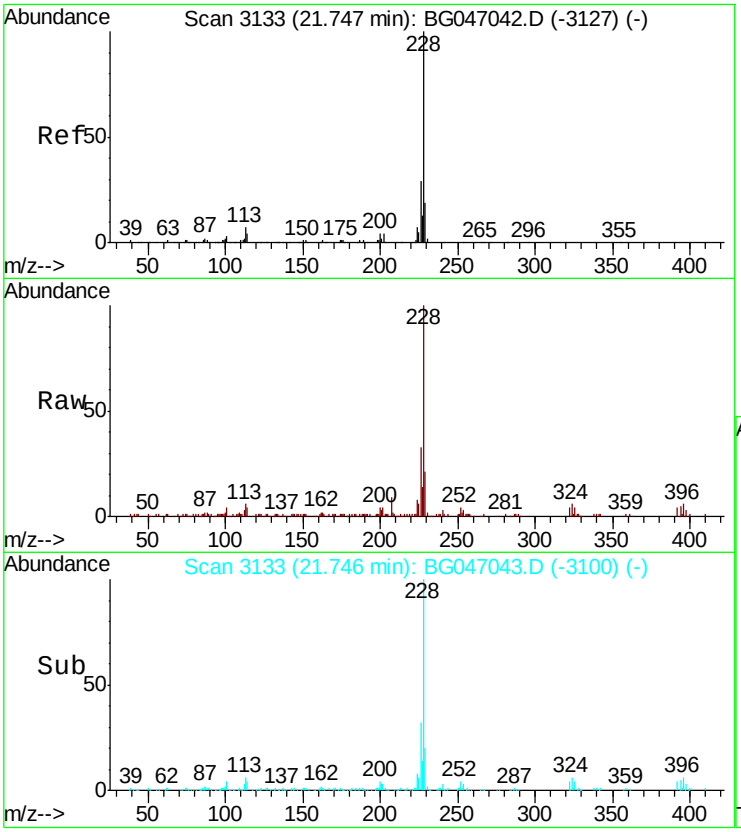




#83
Benzo(a)anthracene
Concen: 4.261 ng/ul
RT: 21.68 min Scan# 3122
Delta R.T. -0.00 min
Lab File: BG047043.D
Acq: 22 Oct 2020 23:07

Tgt Ion:228 Resp: 101662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.7 | 16.0 | 24.0 |
| 226 | 27.3 | 20.8 | 31.2 |



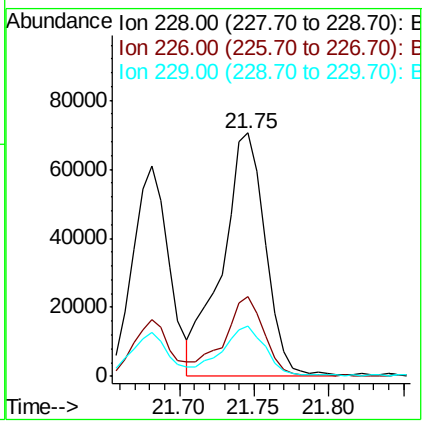


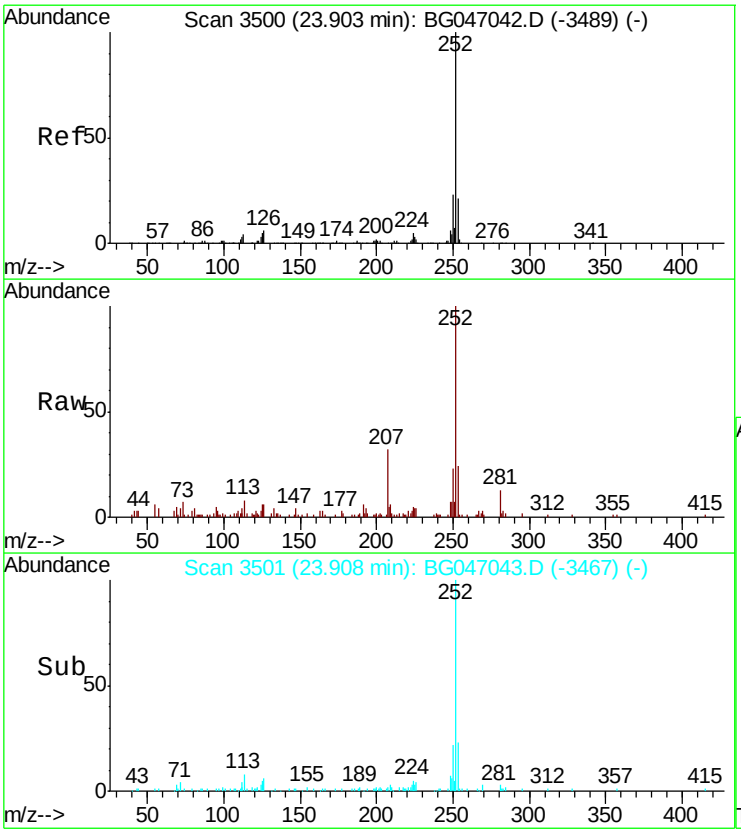

#85
Chrysene
Concen: 6.183 ng/ul
RT: 21.75 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BG047043.D
Acq: 22 Oct 2020 23:07

**Instrument :**
BNA_G
**ClientSampleId :**
C0AF1

Tgt Ion:228 Resp: 141924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.5 | 22.8 | 34.2 |
| 229 | 20.5 | 16.2 | 24.2 |




#88
Benzo(b)fluoranthene
Concen: 2.077 ng/ul
RT: 23.91 min Scan# 3501
Delta R.T. -0.00 min
Lab File: BG047043.D
Acq: 22 Oct 2020 23:07

Tgt Ion:252 Resp: 53710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.0 | 18.4 | 27.6 |
| 125 | 6.2 | 4.2 | 6.4 |