Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046358.D
Acq On : 19 Aug 2020 22:47
Operator : CG/JU
Sample : L3633-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 20 02:56:09 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 20 01:26:46 2020
Response via : Initial Calibration

**Instrument :** BNA_G
**ClientSampleId :** BFME6

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.94 | 152 | 112184 | 20.00 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.74 | 136 | 457388 | 20.00 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.57 | 164 | 299720 | 20.00 | ng/ul | 0.00 |
| 12) Phenanthrene-d10 | 17.31 | 188 | 657146 | 20.00 | ng/ul | 0.00 |
| 18) Chrysene-d12 | 21.56 | 240 | 637246 | 20.00 | ng/ul | 0.00 |
| 23) Perylene-d12 | 24.66 | 264 | 678142 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 2,4-Dichlorophenol-d3 | 10.36 | 165 | 192838 | 24.49 | ng/ul | 0.00 |
| 7) Acenaphthylene-d8 | 14.26 | 160 | 711360 | 25.79 | ng/ul | 0.00 |
| 10) Fluorene-d10 | 15.56 | 176 | 541421 | 25.62 | ng/ul | 0.00 |
| 15) Anthracene-d10 | 17.41 | 188 | 762087 | 25.02 | ng/ul | 0.00 |
| 19) Pyrene-d10 | 19.69 | 212 | 878983 | 26.80 | ng/ul | 0.00 |
| 26) Benzo(a)pyrene-d12 | 24.45 | 264 | 977965 | 26.43 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 8) Acenaphthylene | 14.29 | 152 | 37170 | 1.325 | ng/ul | 96 |
| 14) Phenanthrene | 17.35 | 178 | 337360 | 9.332 | ng/ul | 99 |
| 16) Anthracene | 17.44 | 178 | 50251 | 1.378 | ng/ul | 98 |
| 17) Fluoranthene | 19.36 | 202 | 876419 | 21.741 | ng/ul | 99 |
| 20) Pyrene | 19.72 | 202 | 843980 | 20.177 | ng/ul | 99 |
| 21) Benzo(a)anthracene | 21.54 | 228 | 448413 | 10.815 | ng/ul | 98 |
| 22) Chrysene | 21.60 | 228 | 502154 | 12.529 | ng/ul | 98 |
| 24) Benzo(b)fluoranthene | 23.68 | 252 | 724997 | 16.167 | ng/ul | 99 |
| 25) Benzo(k)fluoranthene | 23.74 | 252 | 220539m | 4.958 | ng/ul | |
| 27) Benzo(a)pyrene | 24.52 | 252 | 479977 | 11.658 | ng/ul | 99 |
| 28) Indeno(1,2,3-cd)pyrene | 28.18 | 276 | 335010 | 6.499 | ng/ul | 98 |
| 29) Dibenzo(a,h)anthracene | 28.20 | 278 | 84697 | 2.026 | ng/ul# | 86 |
| 30) Benzo(g,h,i)perylene | 29.26 | 276 | 279433 | 6.477 | ng/ul | 99 |

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

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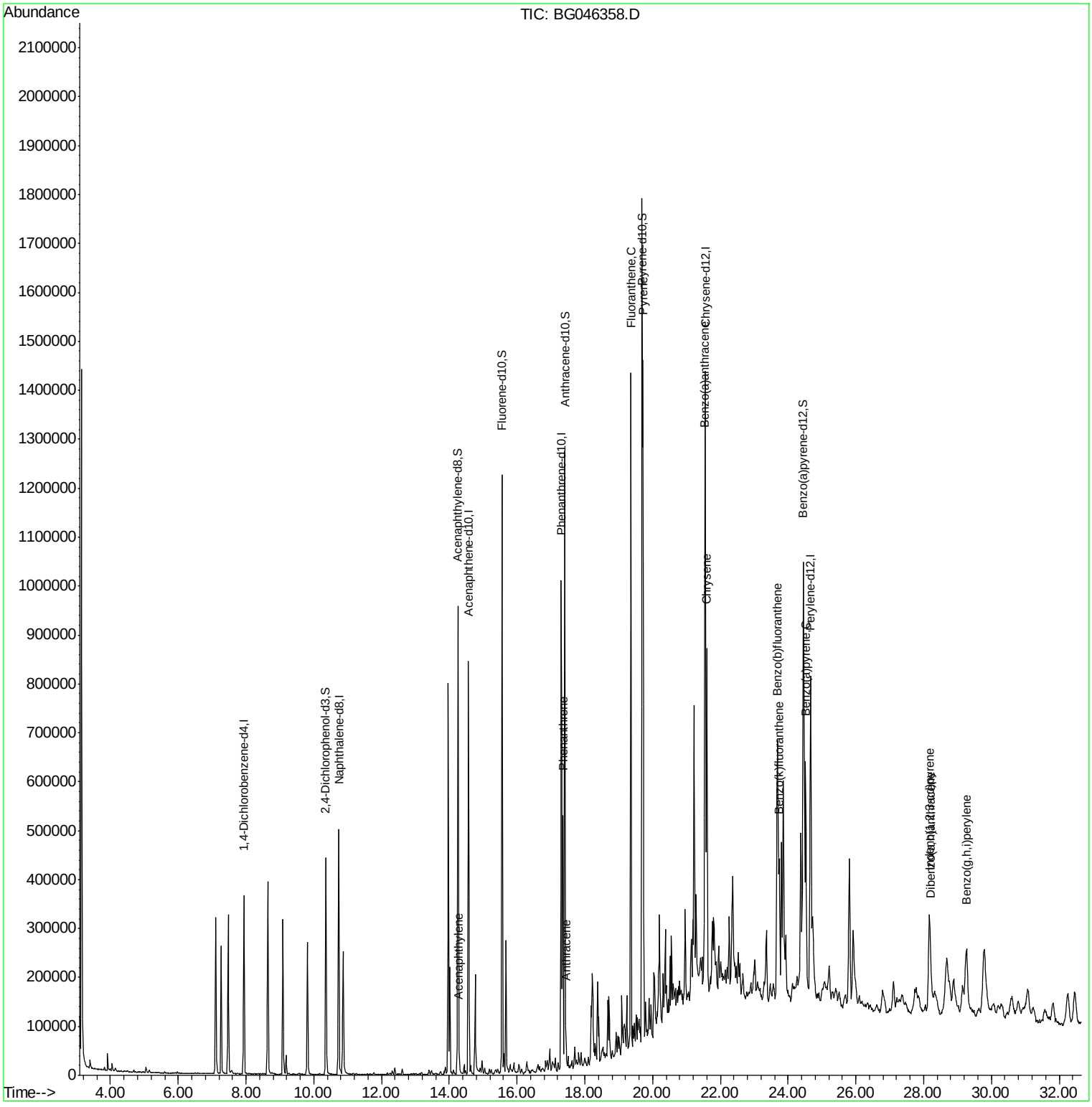
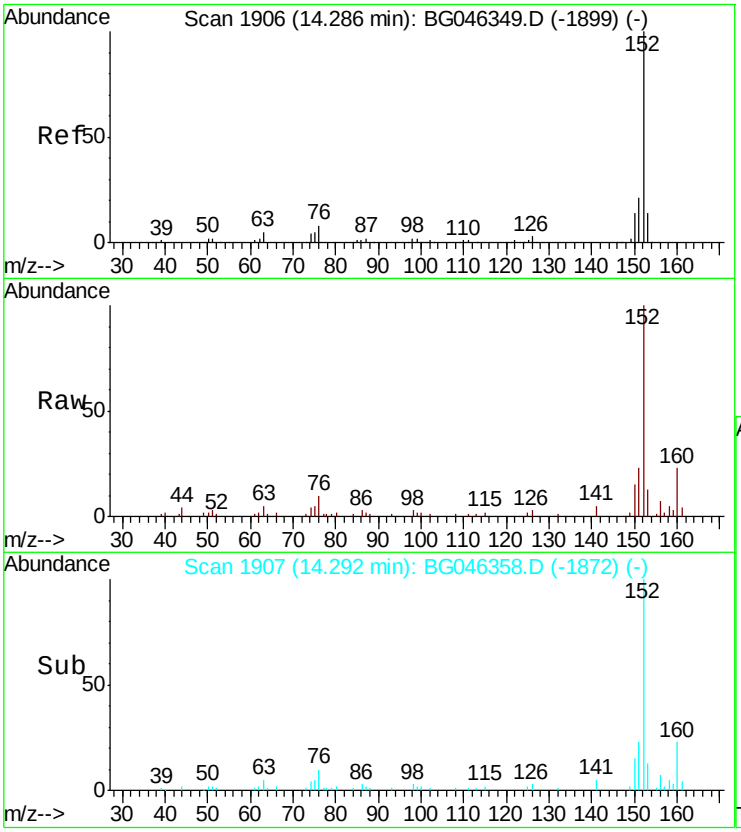
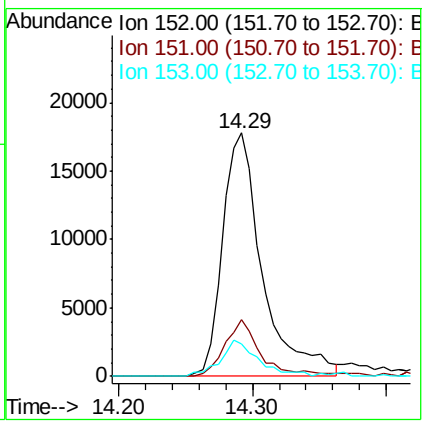





#8
Acenaphthylene
Concen: 1.325 ng/ul
RT: 14.29 min Scan# 1907
Delta R.T. 0.01 min
Lab File: BG046358.D
Acq: 19 Aug 2020 22:47

Tgt Ion:152 Resp: 37170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 23.1 | 16.5 | 24.7 |
| 153 | 13.4 | 11.0 | 16.6 |




**Instrument :**
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**ClientSampleId :**
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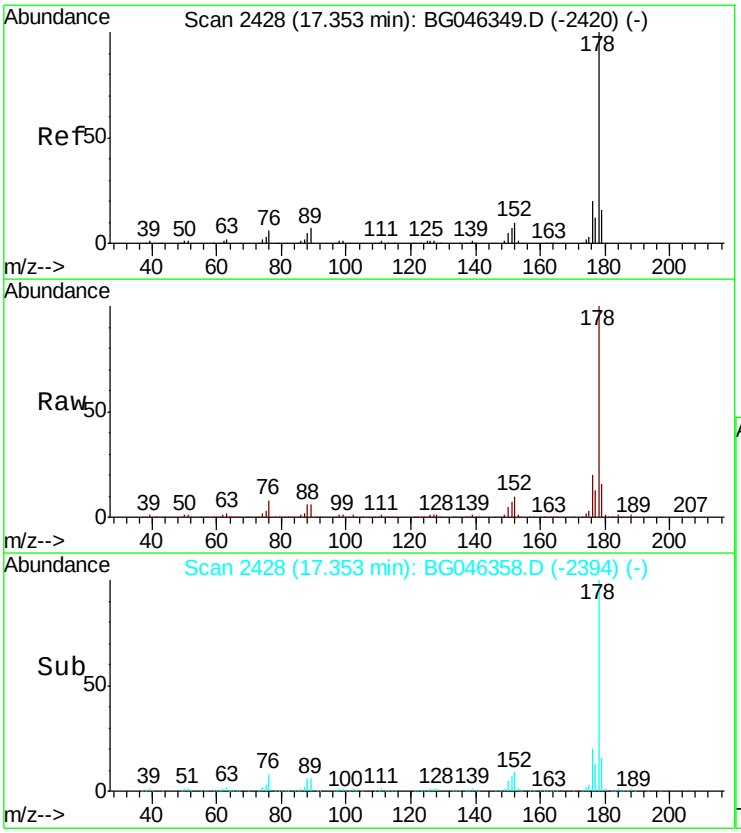
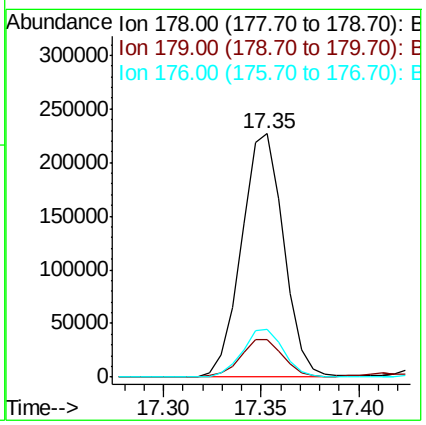
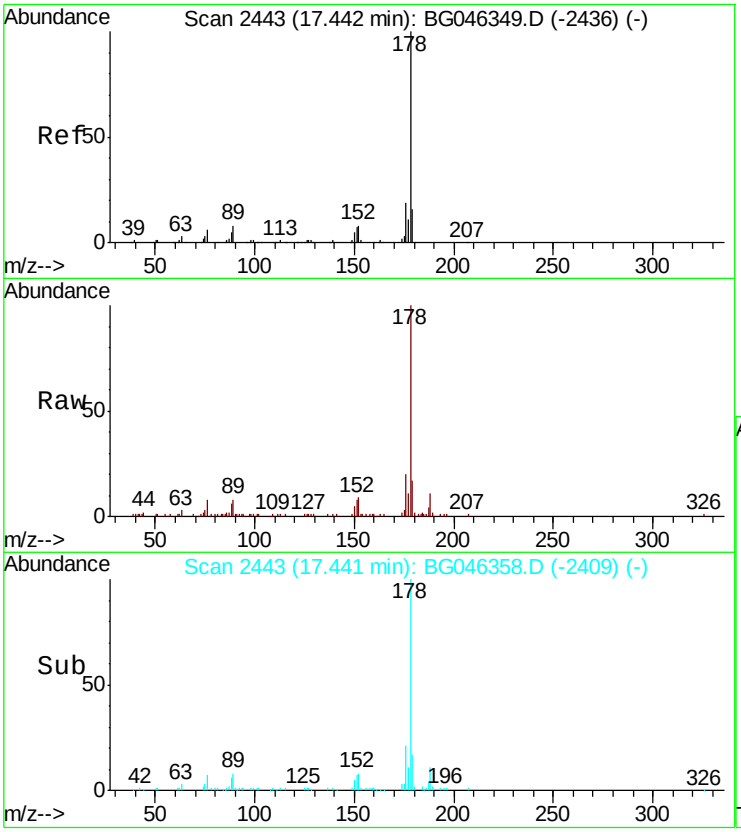



#14
Phenanthrene
Concen: 9.332 ng/ul
RT: 17.35 min Scan# 2428
Delta R.T. -0.00 min
Lab File: BG046358.D
Acq: 19 Aug 2020 22:47

Tgt Ion:178 Resp: 337360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.7 | 12.8 | 19.2 |
| 176 | 19.5 | 15.8 | 23.8 |

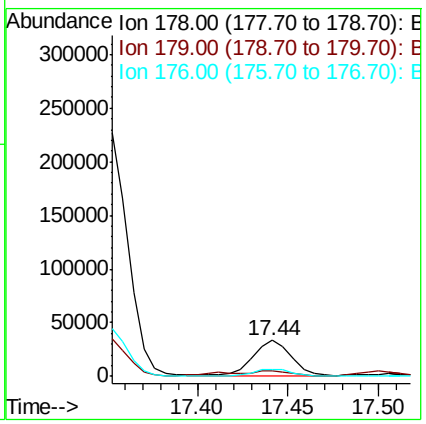





#16
Anthracene
Concen: 1.378 ng/ul
RT: 17.44 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BG046358.D
Acq: 19 Aug 2020 22:47

Tgt Ion:178 Resp: 50251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.7 | 13.2 | 19.8 |
| 176 | 20.5 | 15.2 | 22.8 |




**Instrument :**
BNA_G
**ClientSampleId :**
BFME6

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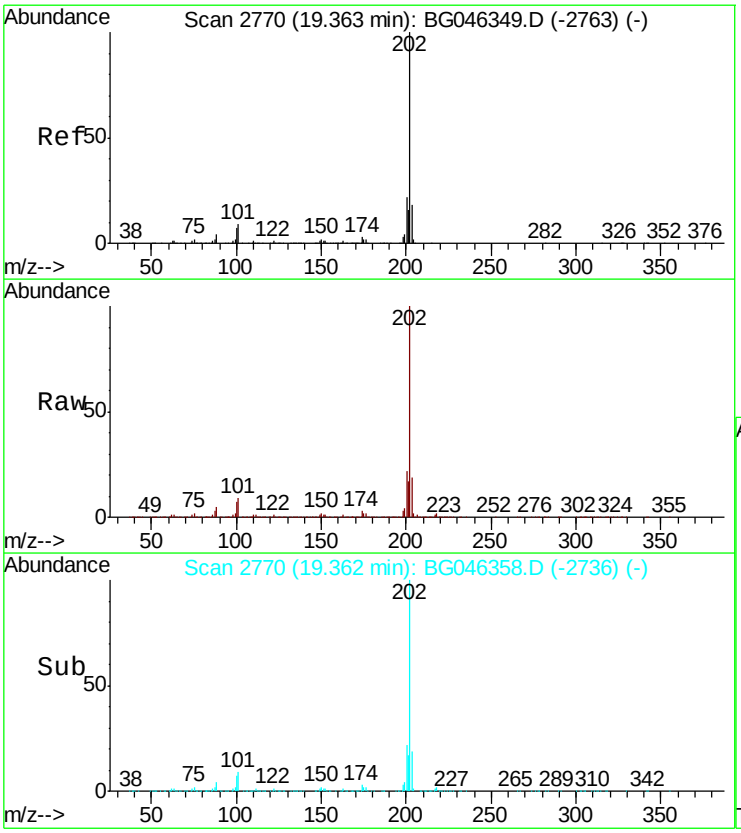
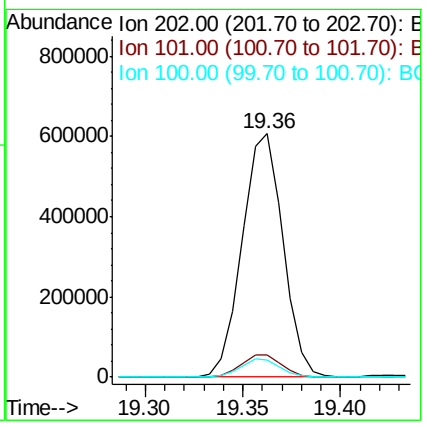
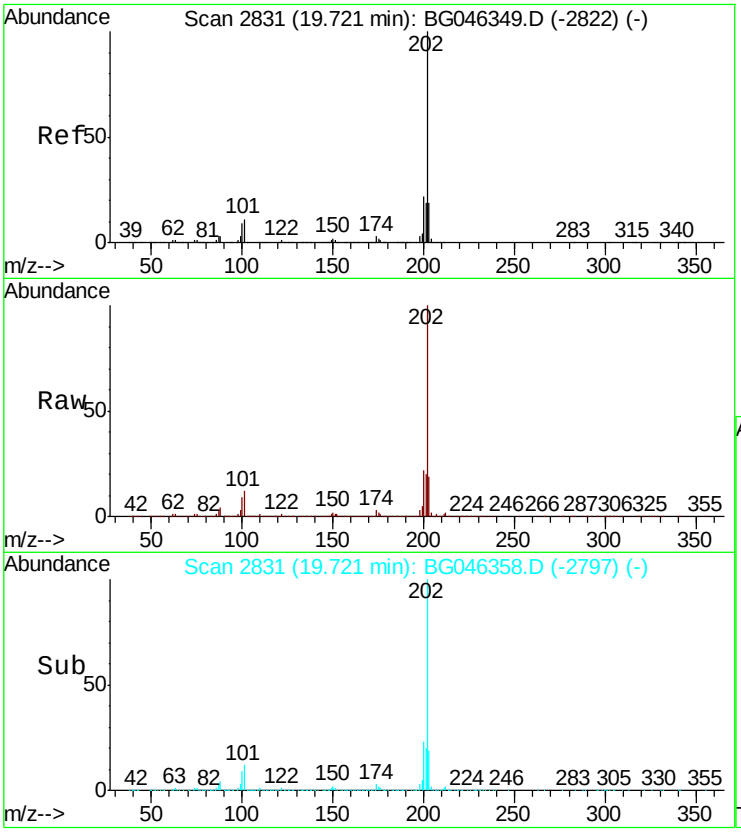



#17
Fluoranthene
Concen: 21.741 ng/ul
RT: 19.36 min Scan# 2770
Delta R.T. -0.00 min
Lab File: BG046358.D
Acq: 19 Aug 2020 22:47

Tgt Ion:202 Resp: 876419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.0 | 7.8 | 11.6 |
| 100 | 7.2 | 5.9 | 8.9 |

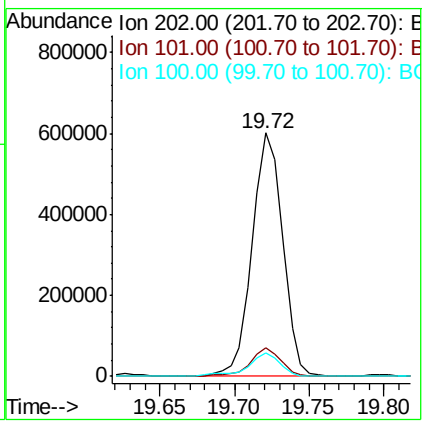





#20
Pyrene
Concen: 20.177 ng/ul
RT: 19.72 min Scan# 2831
Delta R.T. -0.00 min
Lab File: BG046358.D
Acq: 19 Aug 2020 22:47

Tgt Ion:202 Resp: 843980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.5 | 8.9 | 13.3 |
| 100 | 9.4 | 7.9 | 11.9 |




**Instrument :**
BNA_G
**ClientSampleId :**
BFME6

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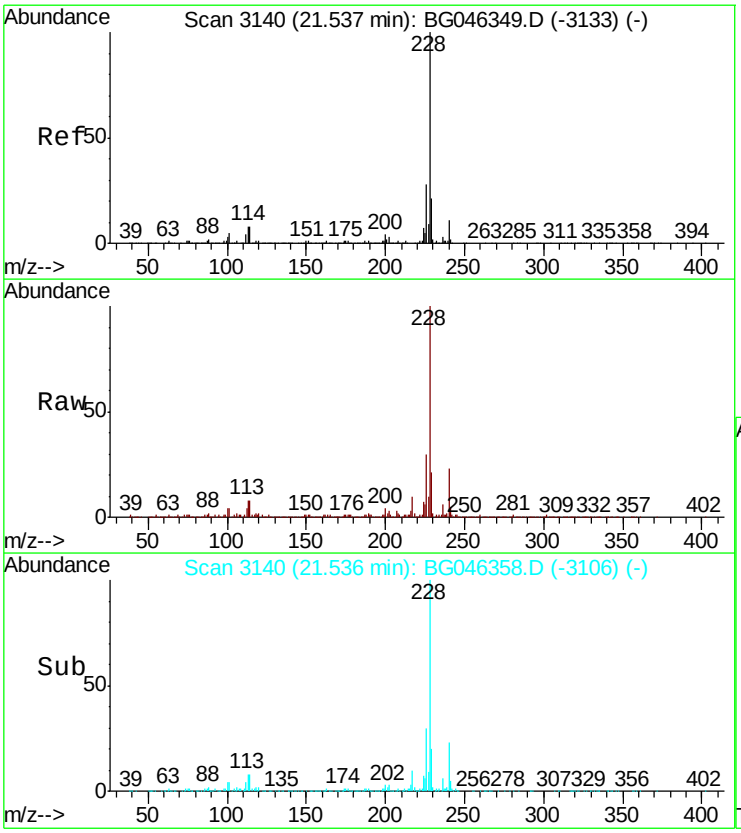
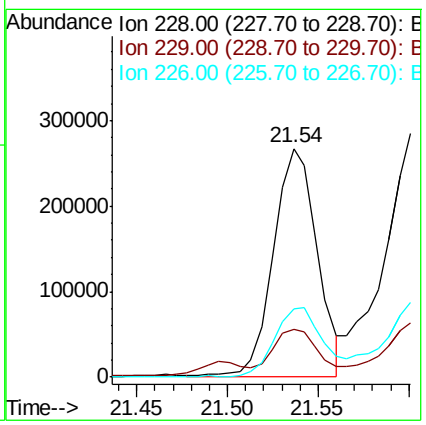
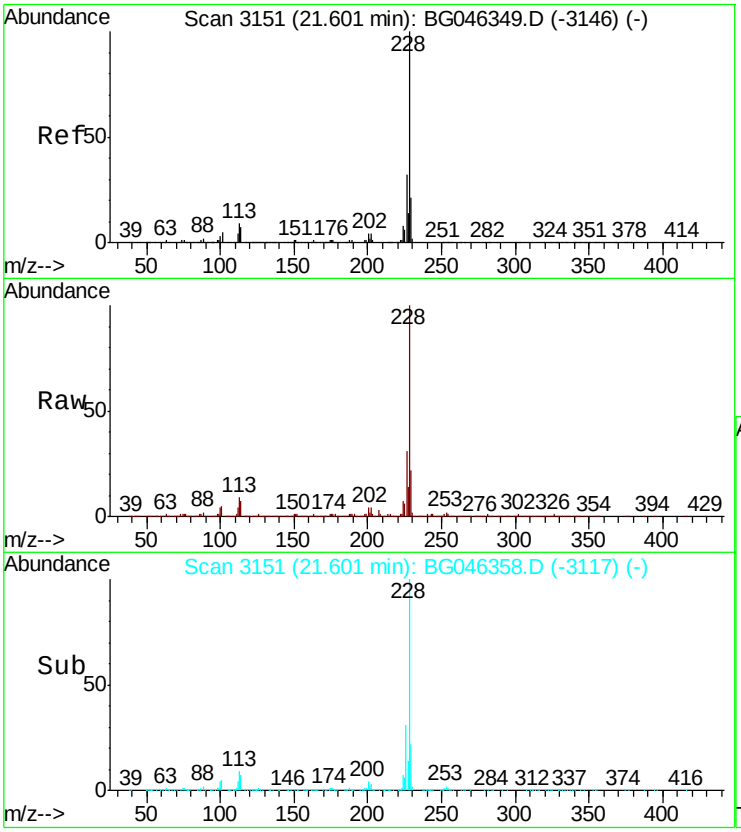



#21
Benzo(a)anthracene
Concen: 10.815 ng/ul
RT: 21.54 min Scan# 3140
Delta R.T. -0.00 min
Lab File: BG046358.D
Acq: 19 Aug 2020 22:47

Tgt Ion:228 Resp: 448413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.9 | 16.6 | 25.0 |
| 226 | 29.8 | 22.6 | 33.8 |

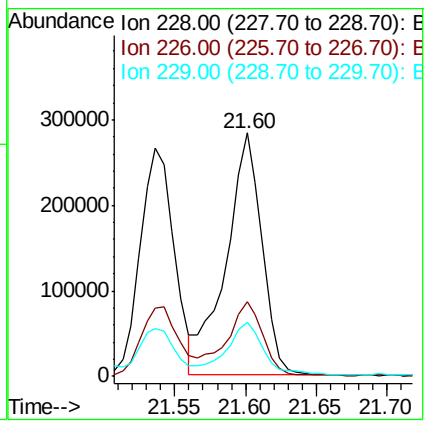





#22
Chrysene
Concen: 12.529 ng/ul
RT: 21.60 min Scan# 3151
Delta R.T. -0.00 min
Lab File: BG046358.D
Acq: 19 Aug 2020 22:47

Tgt Ion:228 Resp: 502154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.9 | 25.5 | 38.3 |
| 229 | 22.2 | 17.0 | 25.4 |




**Instrument :**
BNA_G
**ClientSampleId :**
BFME6

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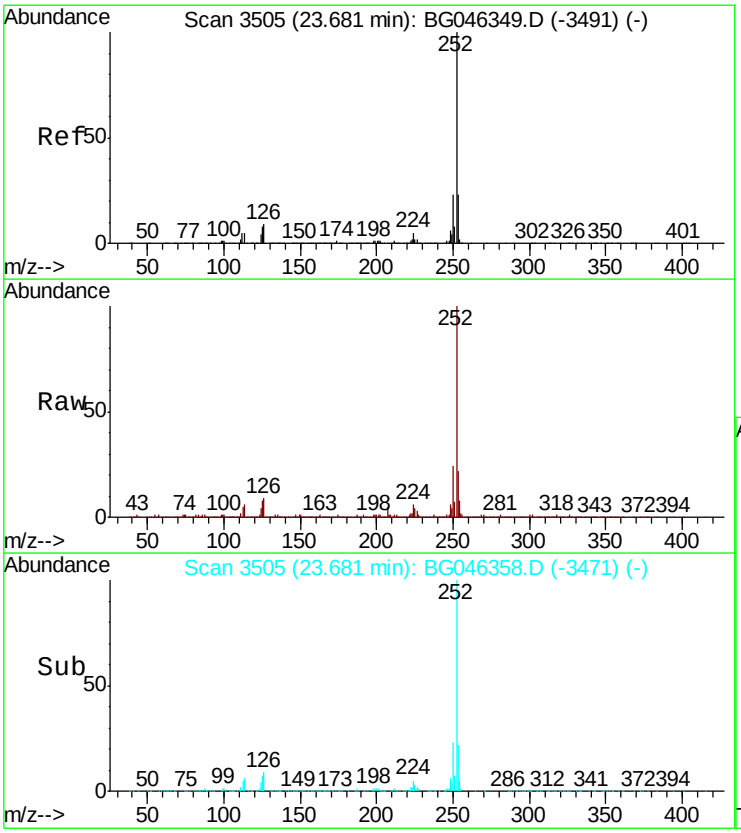
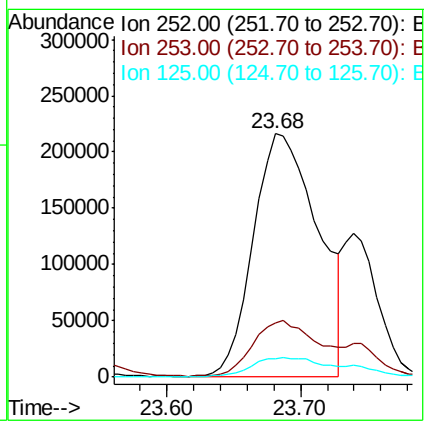
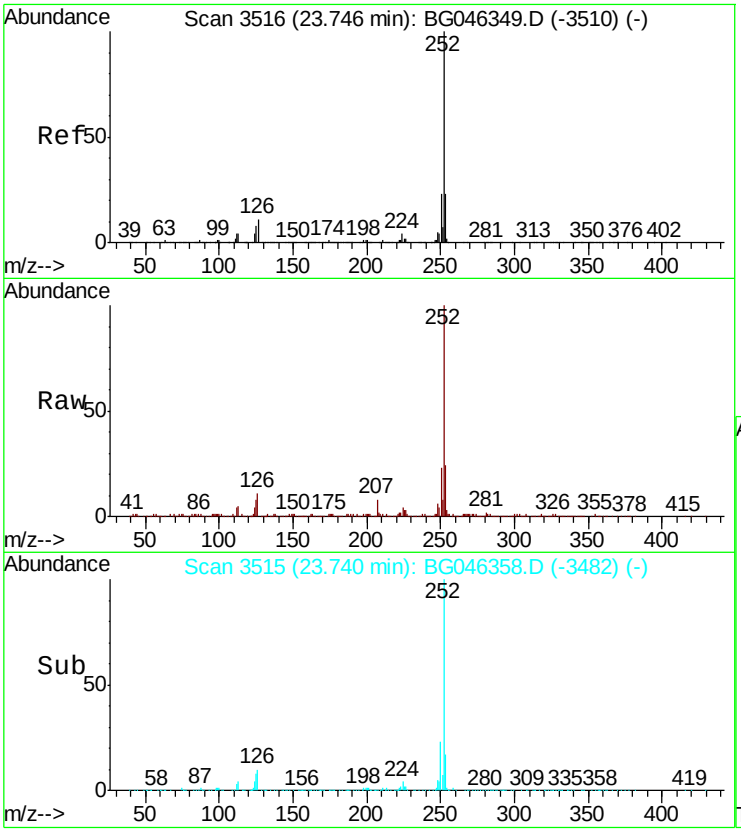



#24
Benzo(b)fluoranthene
Concen: 16.167 ng/ul
RT: 23.68 min Scan# 3505
Delta R.T. -0.00 min
Lab File: BG046358.D
Acq: 19 Aug 2020 22:47

Tgt Ion:252 Resp: 724997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.4 | 17.8 | 26.6 |
| 125 | 7.7 | 6.4 | 9.6 |

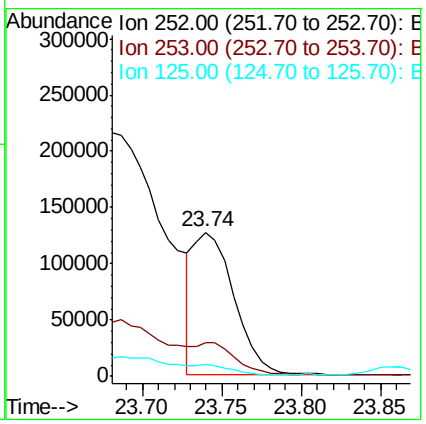





#25
Benzo(k)fluoranthene
Concen: 4.958 ng/ul m
RT: 23.74 min Scan# 3515
Delta R.T. -0.01 min
Lab File: BG046358.D
Acq: 19 Aug 2020 22:47

Tgt Ion:252 Resp: 220539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.8 | 18.5 | 27.7 |
| 125 | 8.0 | 6.2 | 9.2 |




**Instrument :**
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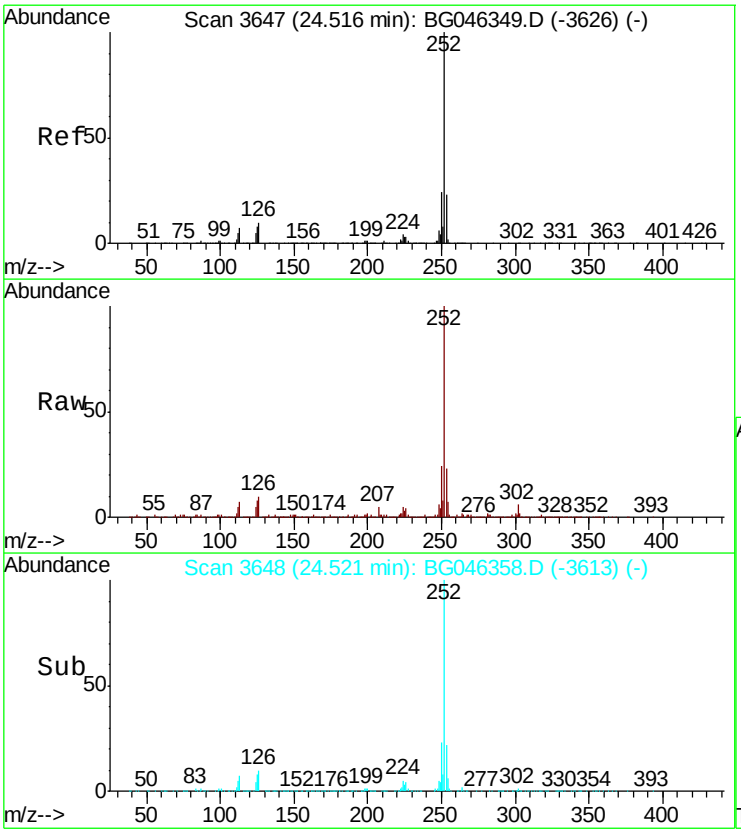
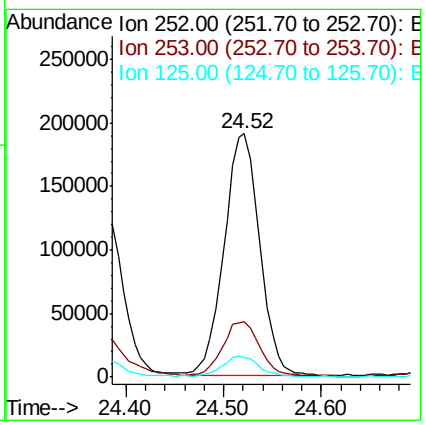
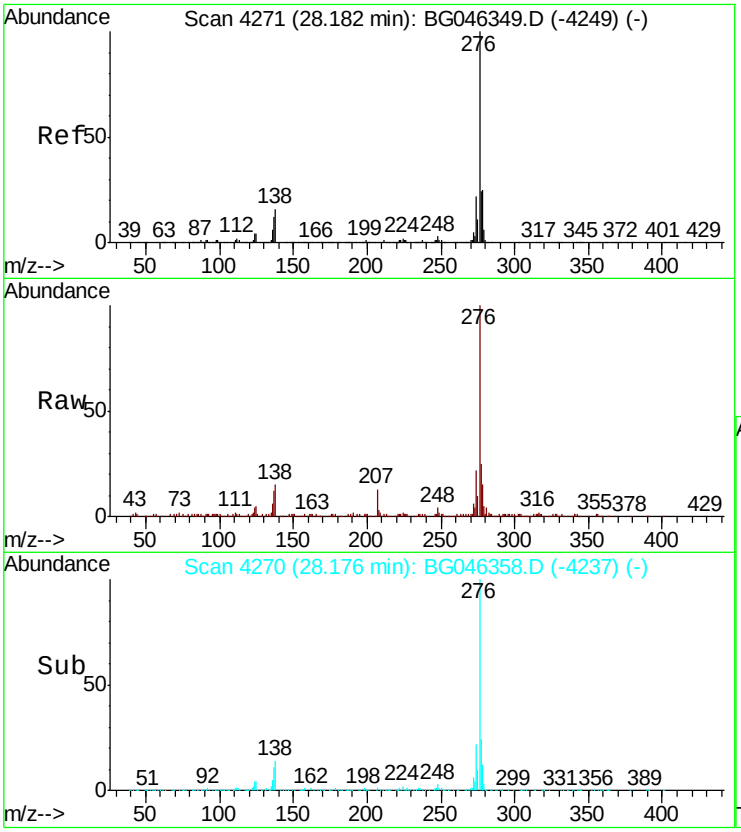



#27
Benzo(a)pyrene
Concen: 11.658 ng/ul
RT: 24.52 min Scan# 3648
Delta R.T. 0.01 min
Lab File: BG046358.D
Acq: 19 Aug 2020 22:47

Tgt Ion:252 Resp: 479977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.9 | 17.8 | 26.8 |
| 125 | 8.3 | 7.1 | 10.7 |

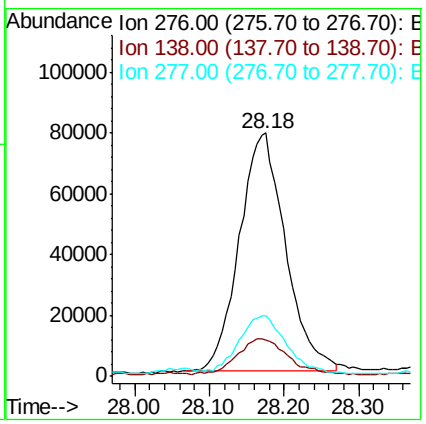





#28
Indeno(1,2,3-cd)pyrene
Concen: 6.499 ng/ul
RT: 28.18 min Scan# 4270
Delta R.T. -0.01 min
Lab File: BG046358.D
Acq: 19 Aug 2020 22:47

Tgt Ion:276 Resp: 335010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 15.0 | 13.2 | 19.8 |
| 277 | 25.1 | 19.9 | 29.9 |




**Instrument :**
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BFME6

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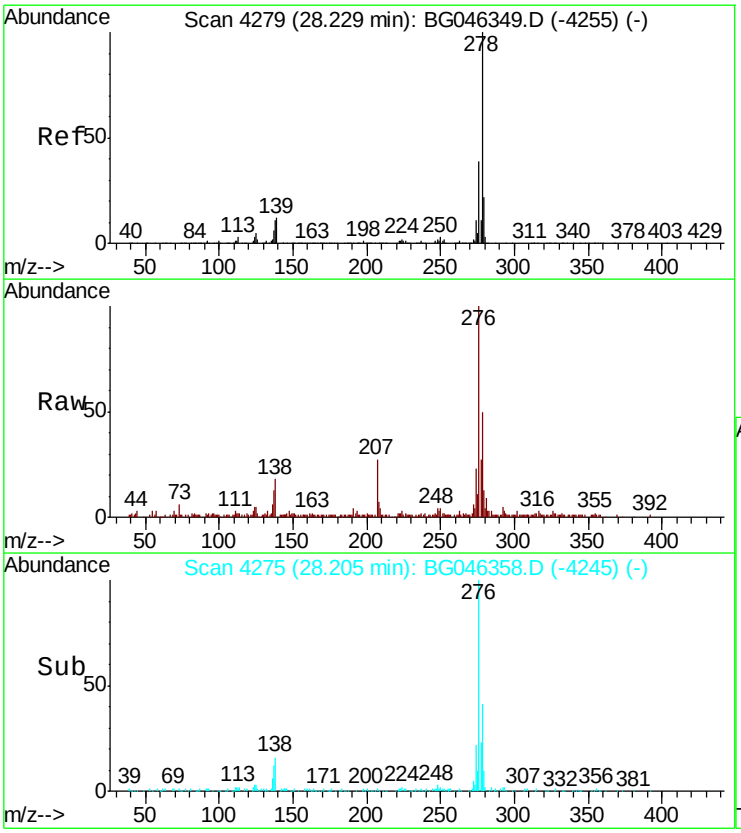
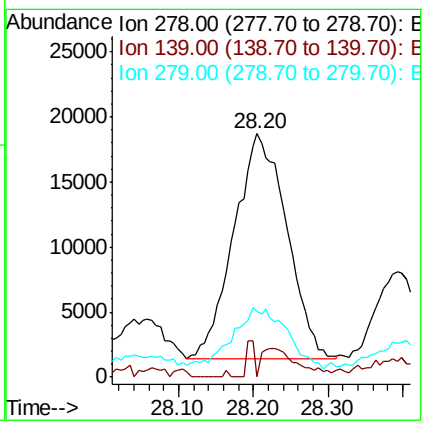
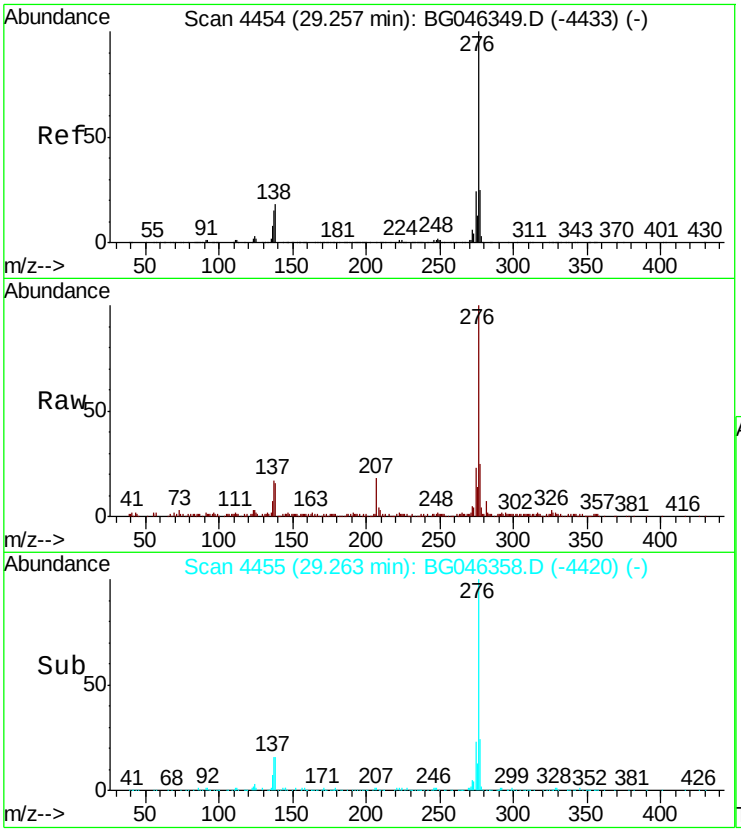



#29
Dibenzo(a,h)anthracene
Concen: 2.026 ng/ul
RT: 28.20 min Scan# 4275
Delta R.T. -0.02 min
Lab File: BG046358.D
Acq: 19 Aug 2020 22:47

Tgt Ion:278 Resp: 84697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 0.0 | 9.8 | 14.8# |
| 279 | 27.0 | 19.7 | 29.5 |

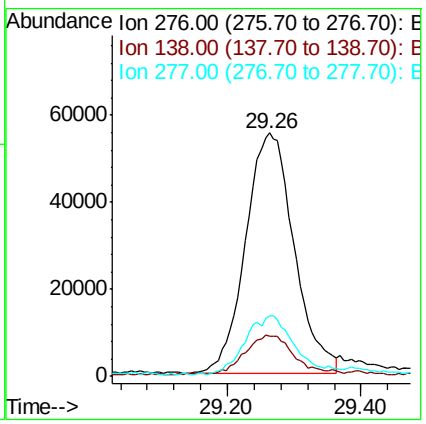





#30
Benzo(g,h,i)perylene
Concen: 6.477 ng/ul
RT: 29.26 min Scan# 4455
Delta R.T. 0.01 min
Lab File: BG046358.D
Acq: 19 Aug 2020 22:47

Tgt Ion:276 Resp: 279433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 16.3 | 12.9 | 19.3 |
| 277 | 24.7 | 19.4 | 29.0 |




**Instrument :**
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**ClientSampleId :**
BFME6

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