Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031517\
Data File : BG026261.D
Acq On : 16 Mar 2017 8:46
Operator : SJ/MA
Sample : I2236-10
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 22 14:41:14 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.3-EPA-BG021617MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 16 04:25:12 2017
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
DABG6

**Manual Integrations APPROVED**
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.06 | 152 | 91918 | 20.00 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.86 | 136 | 472434 | 20.00 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.66 | 164 | 260204 | 20.00 | ng/ul | 0.00 |
| 12) Phenanthrene-d10 | 17.39 | 188 | 568403 | 20.00 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.64 | 240 | 613755 | 20.00 | ng/ul | 0.00 |
| 22) Perylene-d12 | 24.82 | 264 | 591503 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 7) Acenaphthylene-d8 | 14.35 | 160 | 408537 | 18.96 | ng/ul | 0.00 |
| 10) Fluorene-d10 | 15.65 | 176 | 289989 | 17.52 | ng/ul | 0.00 |
| 14) Anthracene-d10 | 17.49 | 188 | 405236 | 15.77 | ng/ul | 0.00 |
| 18) Pyrene-d10 | 19.77 | 212 | 458079 | 15.49 | ng/ul | 0.00 |
| 25) Benzo(a)pyrene-d12 | 24.61 | 264 | 425902 | 16.27 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 13) Phenanthrene | 17.43 | 178 | 83313 | 2.75 | ng/ul | 97 |
| 16) Fluoranthene | 19.43 | 202 | 186601 | 5.60 | ng/ul | 97 |
| 19) Pyrene | 19.79 | 202 | 161315 | 4.34 | ng/ul# | 97 |
| 20) Benzo(a)anthracene | 21.62 | 228 | 92418 | 2.68 | ng/ul | 92 |
| 21) Chrysene | 21.68 | 228 | 98741 | 2.99 | ng/ul | 93 |
| 23) Benzo(b)fluoranthene | 23.81 | 252 | 128770 | 3.77 | ng/ul# | 96 |
| 26) Benzo(a)pyrene | 24.67 | 252 | 79650 | 2.41 | ng/ul# | 90 |
| 27) Indeno(1,2,3-cd)pyrene | 28.44 | 276 | 48935 | 1.26 | ng/ul# | 89 |
| 29) Benzo(g,h,i)perylene | 29.58 | 276 | 45109m | 1.41 | ng/ul | |

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

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**Instrument :**
BNA_G
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**Manual Integrations APPROVED**
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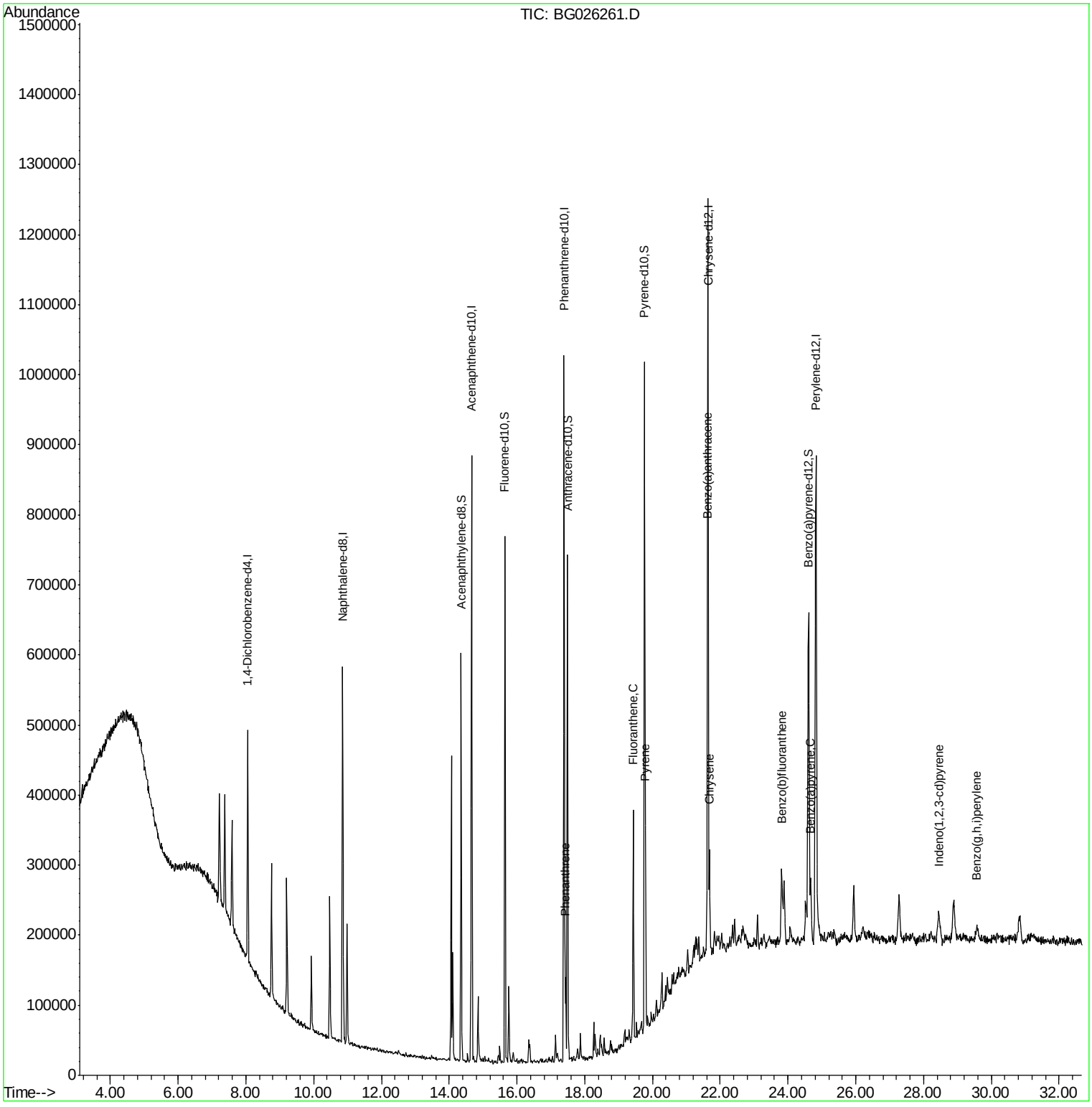
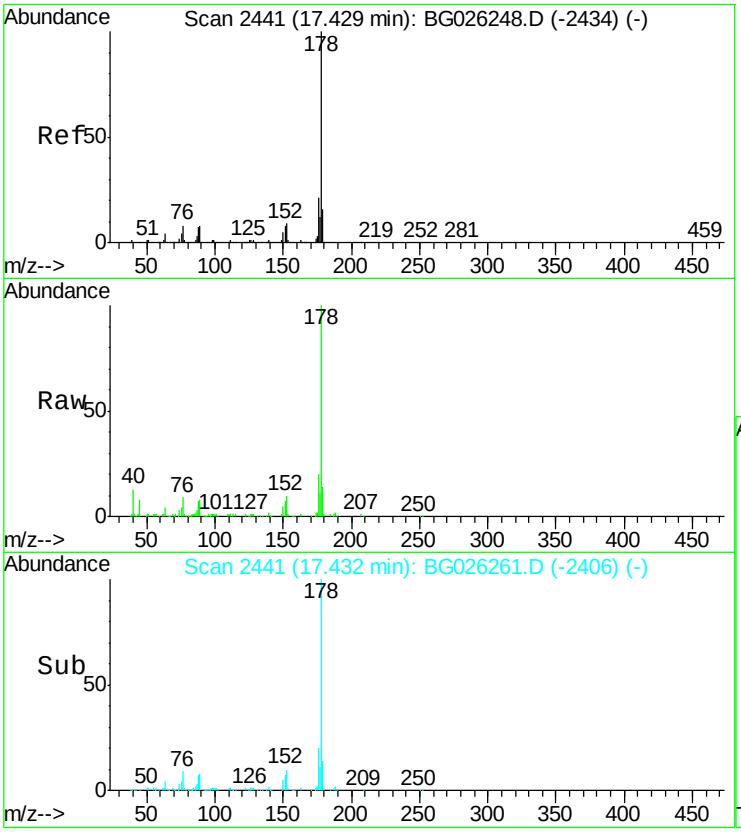
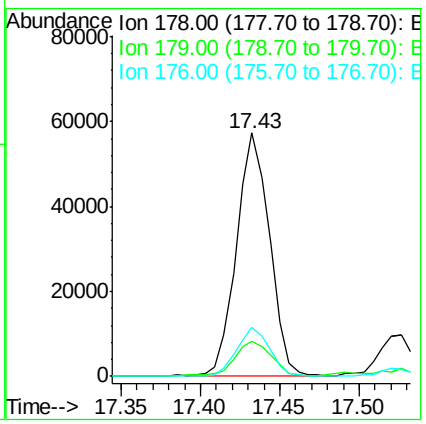





#13
Phenanthrene
Concen: 2.75 ng/ul
RT: 17.43 min Scan# 2441
Delta R.T. 0.00 min
Lab File: BG026261.D
Acq: 16 Mar 2017 8:46

Tgt Ion:178 Resp: 83313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 14.2 | 12.3 | 18.5 |
| 176 | 19.9 | 15.1 | 22.7 |




**Instrument :**
BNA_G
**ClientSampleId :**
DABG6

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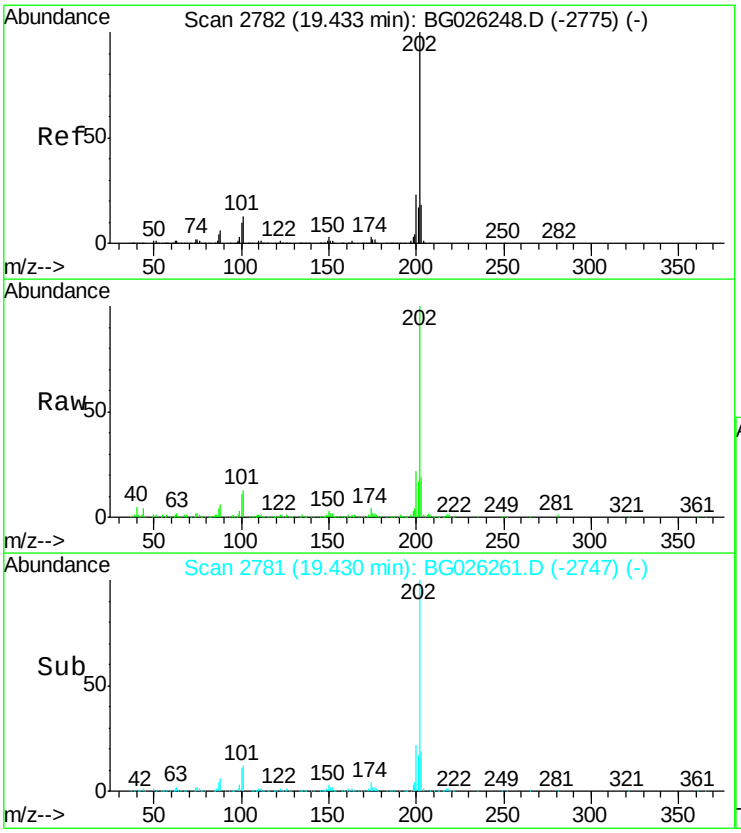
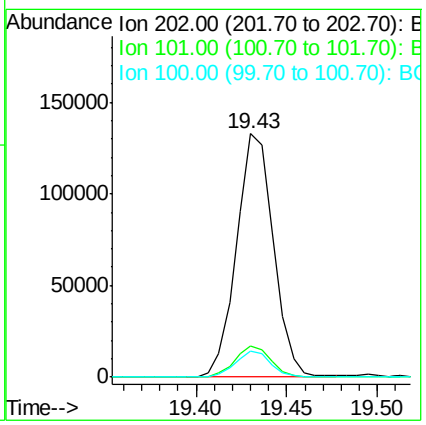
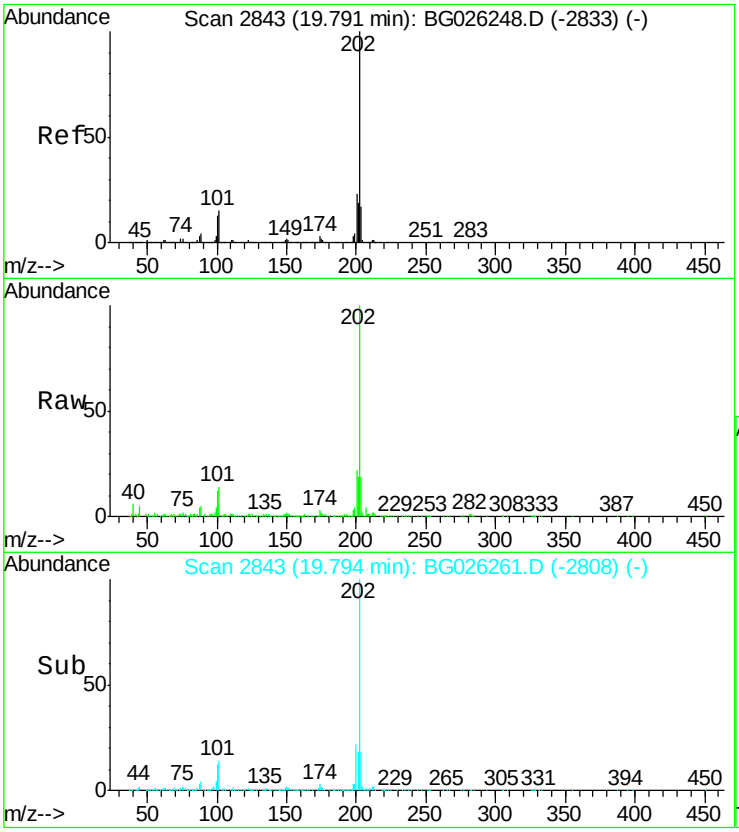



#16
Fluoranthene
Concen: 5.60 ng/ul
RT: 19.43 min Scan# 2781
Delta R.T. -0.00 min
Lab File: BG026261.D
Acq: 16 Mar 2017 8:46

Tgt Ion:202 Resp: 186601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.9 | 9.9 | 14.9 |
| 100 | 10.8 | 7.4 | 11.0 |






#19
Pyrene
Concen: 4.34 ng/ul
RT: 19.79 min Scan# 2843
Delta R.T. 0.00 min
Lab File: BG026261.D
Acq: 16 Mar 2017 8:46

Tgt Ion:202 Resp: 161315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.4 | 11.0 | 16.4 |
| 100 | 12.2 | 8.1 | 12.1# |

**Instrument :**
BNA_G
**ClientSampleId :**
DABG6

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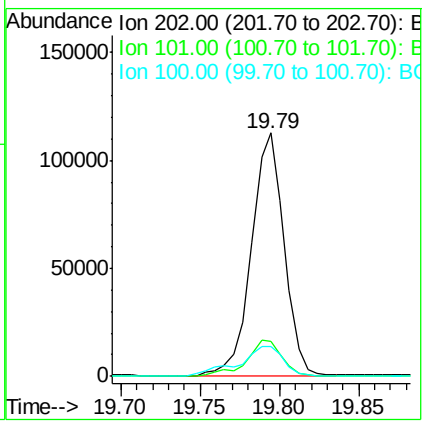
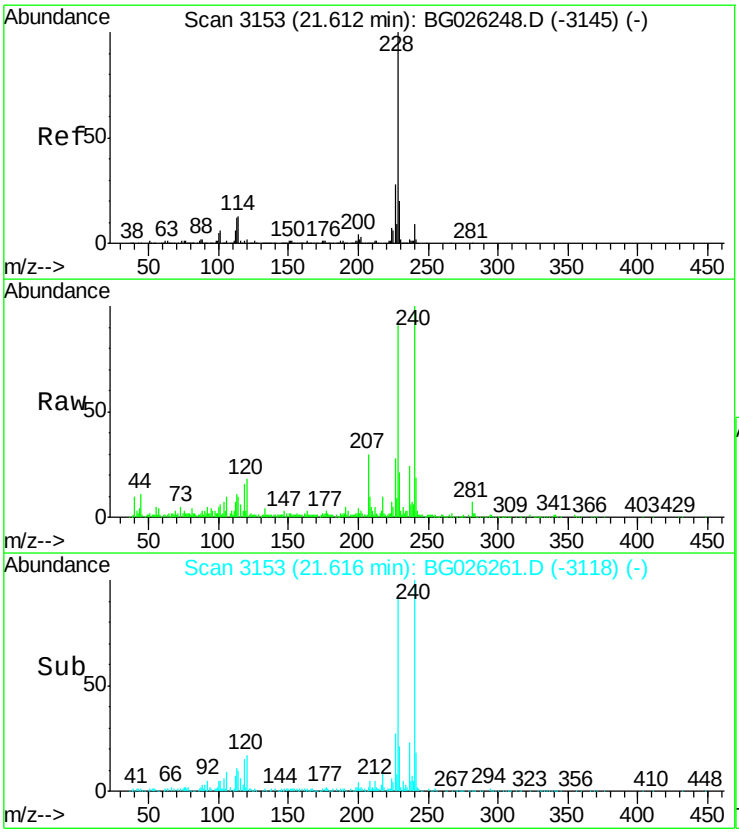
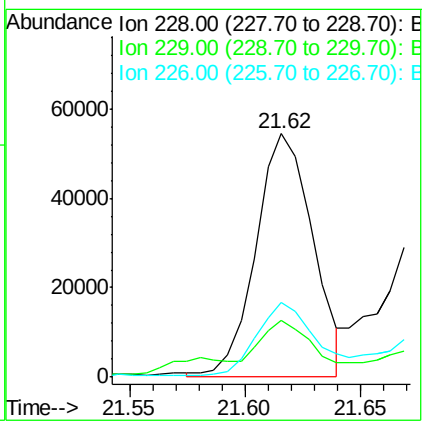


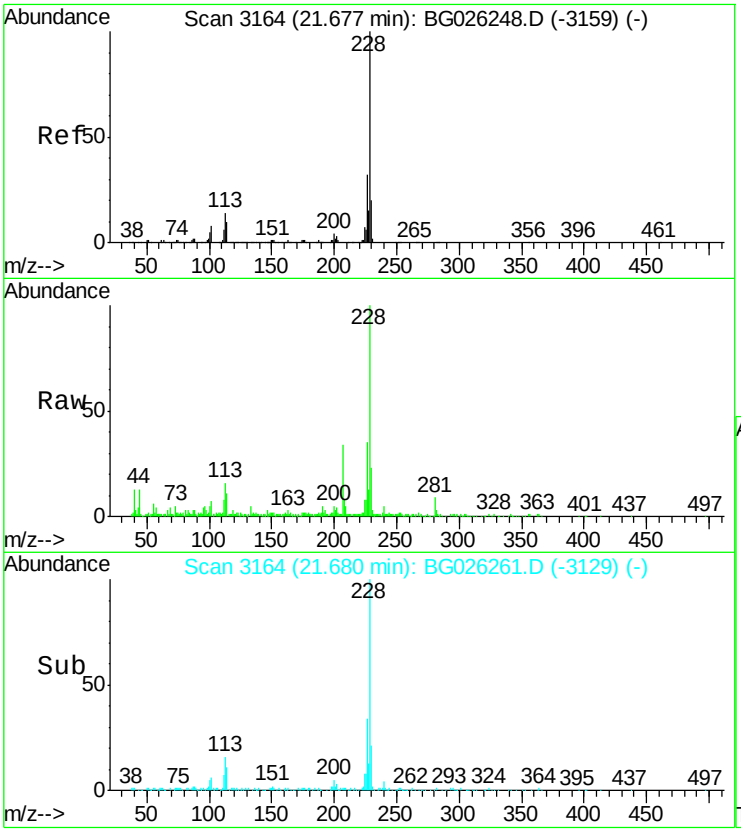




#20
Benzo(a)anthracene
Concen: 2.68 ng/ul
RT: 21.62 min Scan# 3153
Delta R.T. 0.00 min
Lab File: BG026261.D
Acq: 16 Mar 2017 8:46

Tgt Ion:228 Resp: 92418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 23.2 | 15.7 | 23.5 |
| 226 | 30.4 | 21.1 | 31.7 |

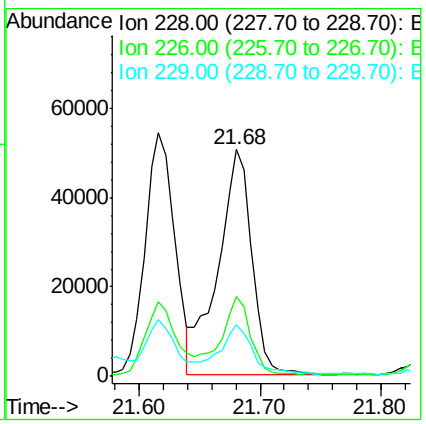





#21
Chrysene
Concen: 2.99 ng/ul
RT: 21.68 min Scan# 3164
Delta R.T. 0.00 min
Lab File: BG026261.D
Acq: 16 Mar 2017 8:46

Tgt Ion:228 Resp: 98741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 34.9 | 24.5 | 36.7 |
| 229 | 22.8 | 15.8 | 23.8 |




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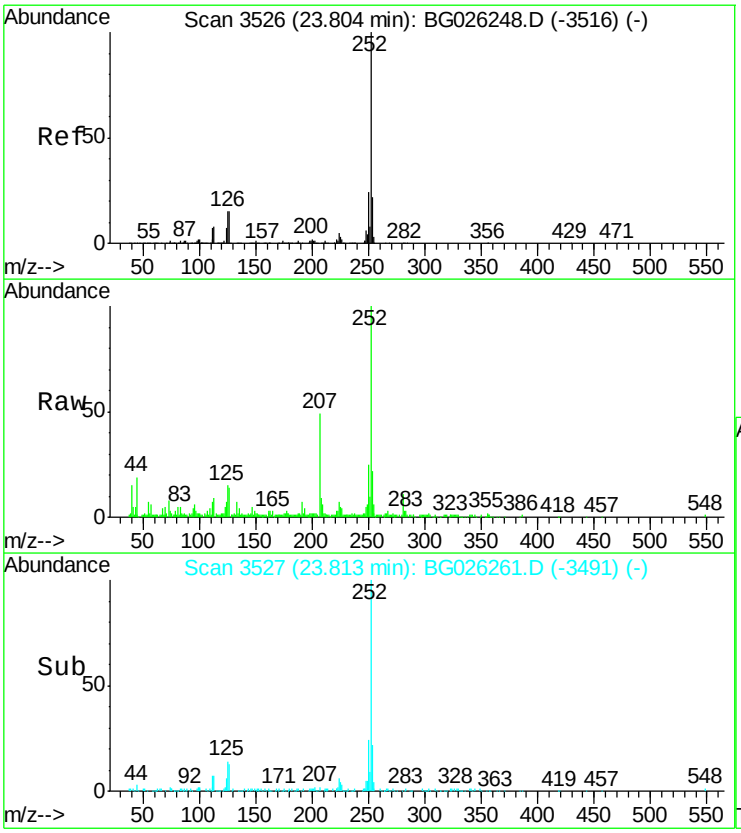
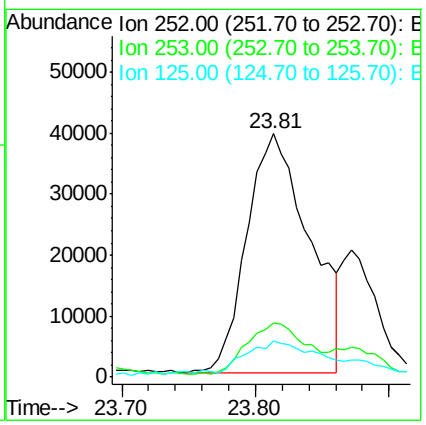
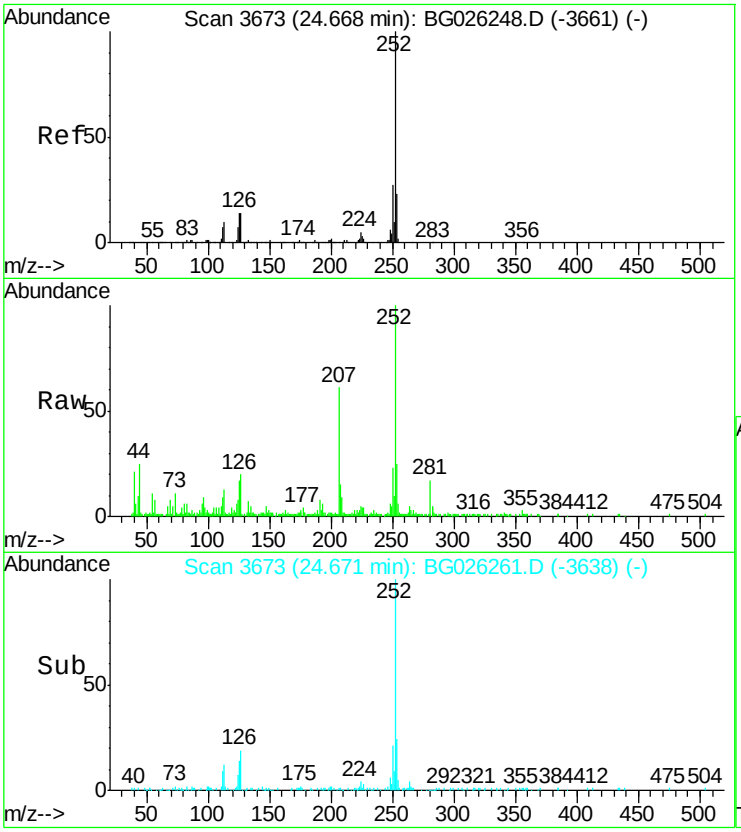



#23
Benzo(b)fluoranthene
Concen: 3.77 ng/ul
RT: 23.81 min Scan# 3527
Delta R.T. 0.01 min
Lab File: BG026261.D
Acq: 16 Mar 2017 8:46

Tgt Ion:252 Resp: 128770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 18.0 | 27.0 |
| 125 | 14.8 | 8.0 | 12.0# |






#26
Benzo(a)pyrene
Concen: 2.41 ng/ul
RT: 24.67 min Scan# 3673
Delta R.T. 0.00 min
Lab File: BG026261.D
Acq: 16 Mar 2017 8:46

Tgt Ion:252 Resp: 79650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.5 | 17.2 | 25.8 |
| 125 | 16.5 | 8.2 | 12.4# |

**Instrument :**
BNA_G
**ClientSampleId :**
DABG6

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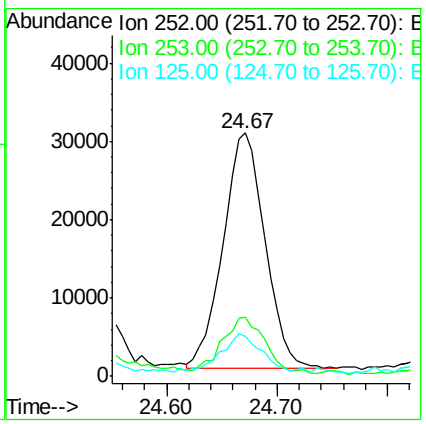
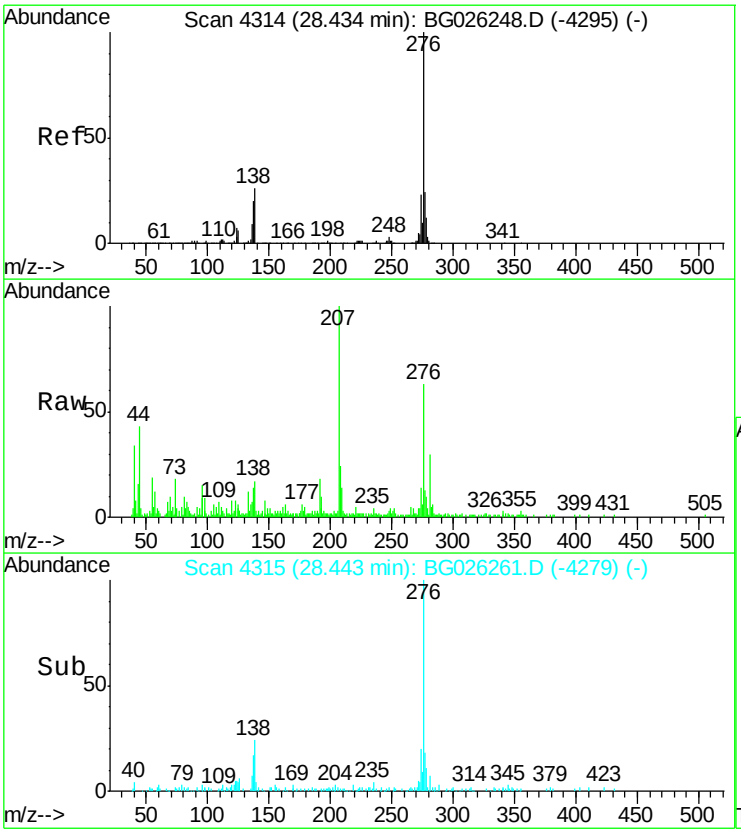
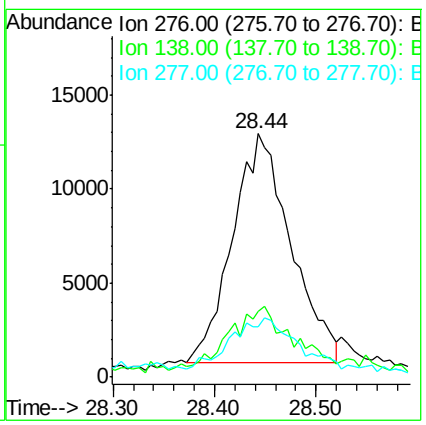


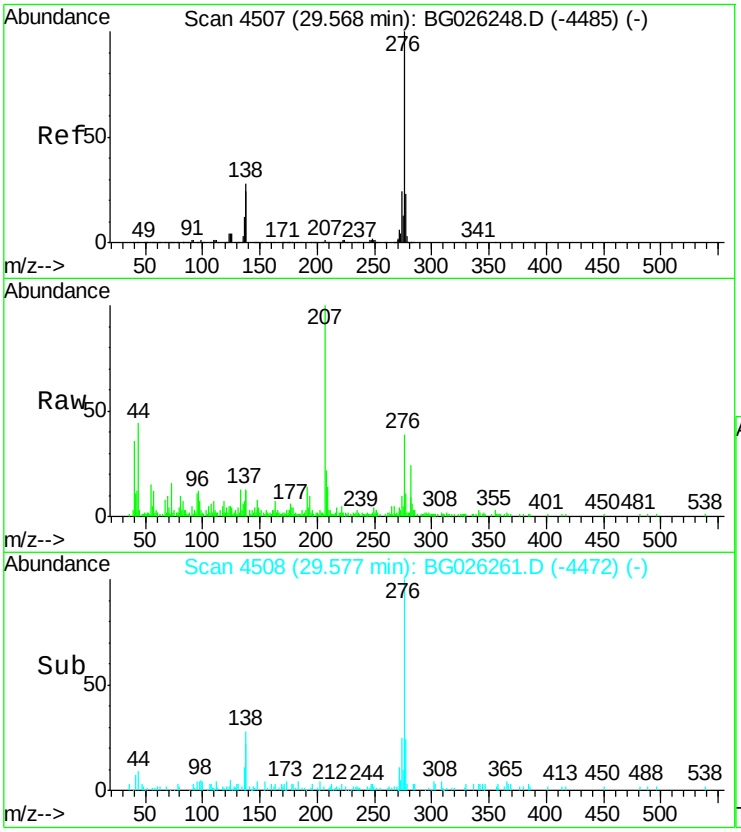




#27
Indeno(1,2,3-cd)pyrene
Concen: 1.26 ng/ul
RT: 28.44 min Scan# 4315
Delta R.T. 0.01 min
Lab File: BG026261.D
Acq: 16 Mar 2017 8:46

Tgt Ion:276 Resp: 48935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 26.8 | 14.4 | 21.6# |
| 277 | 20.6 | 18.0 | 27.0 |

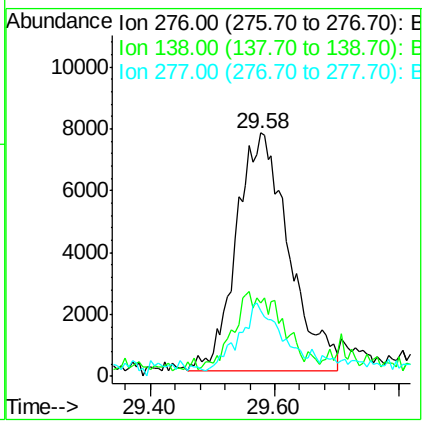





#29
Benzo(g,h,i)perylene
Concen: 1.41 ng/ul m
RT: 29.58 min Scan# 4508
Delta R.T. 0.01 min
Lab File: BG026261.D
Acq: 16 Mar 2017 8:46

Tgt Ion:276 Resp: 45109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 30.1 | 15.3 | 22.9# |
| 277 | 27.0 | 19.0 | 28.4 |




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