Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031717\
Data File : BG026296.D
Acq On : 18 Mar 2017 00:32
Operator : SJ/MA
Sample : I2218-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
CB383

**Manual Integrations APPROVED**
mohammad
3/20/2017 12:55:06 PM

Quant Time: Mar 18 01:31:51 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 18 00:29:44 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.06 | 152 | 123505 | 20.00 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.85 | 136 | 581954 | 20.00 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.66 | 164 | 317207 | 20.00 | ng/ul | 0.00 |
| 12) Phenanthrene-d10 | 17.39 | 188 | 626023 | 20.00 | ng/ul | 0.00 |
| 18) Chrysene-d12 | 21.63 | 240 | 624930 | 20.00 | ng/ul | 0.00 |
| 23) Perylene-d12 | 24.82 | 264 | 582790 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 2,4-Dichlorophenol-d3 | 10.48 | 165 | 3827m | 0.44 | ng/uL | 0.00 |
| 7) Acenaphthylene-d8 | 14.35 | 160 | 545739 | 20.18 | ng/ul | 0.00 |
| 10) Fluorene-d10 | 15.65 | 176 | 439822 | 22.29 | ng/ul | 0.00 |
| 15) Anthracene-d10 | 17.49 | 188 | 585397 | 21.04 | ng/ul | 0.00 |
| 19) Pyrene-d10 | 19.77 | 212 | 637619 | 20.00 | ng/ul | 0.00 |
| 26) Benzo(a)pyrene-d12 | 24.61 | 264 | 505500 | 20.11 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 14) Phenanthrene | 17.43 | 178 | 83678 | 2.52 | ng/ul | 97 |
| 17) Fluoranthene | 19.43 | 202 | 178953 | 5.20 | ng/ul | 97 |
| 20) Pyrene | 19.79 | 202 | 174418 | 4.38 | ng/ul | 98 |
| 21) Benzo(a)anthracene | 21.62 | 228 | 104509 | 3.00 | ng/ul | 98 |
| 22) Chrysene | 21.68 | 228 | 100102 | 3.08 | ng/ul | 99 |
| 24) Benzo(b)fluoranthene | 23.82 | 252 | 132045 | 3.99 | ng/ul# | 97 |
| 25) Benzo(k)fluoranthene | 23.87 | 252 | 51760m | 1.64 | ng/ul | |
| 27) Benzo(a)pyrene | 24.67 | 252 | 78291 | 2.55 | ng/ul# | 90 |
| 28) Indeno(1,2,3-cd)pyrene | 28.46 | 276 | 56676m | 1.67 | ng/ul | |
| 30) Benzo(g,h,i)perylene | 29.59 | 276 | 44499m | 1.53 | ng/ul | |

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

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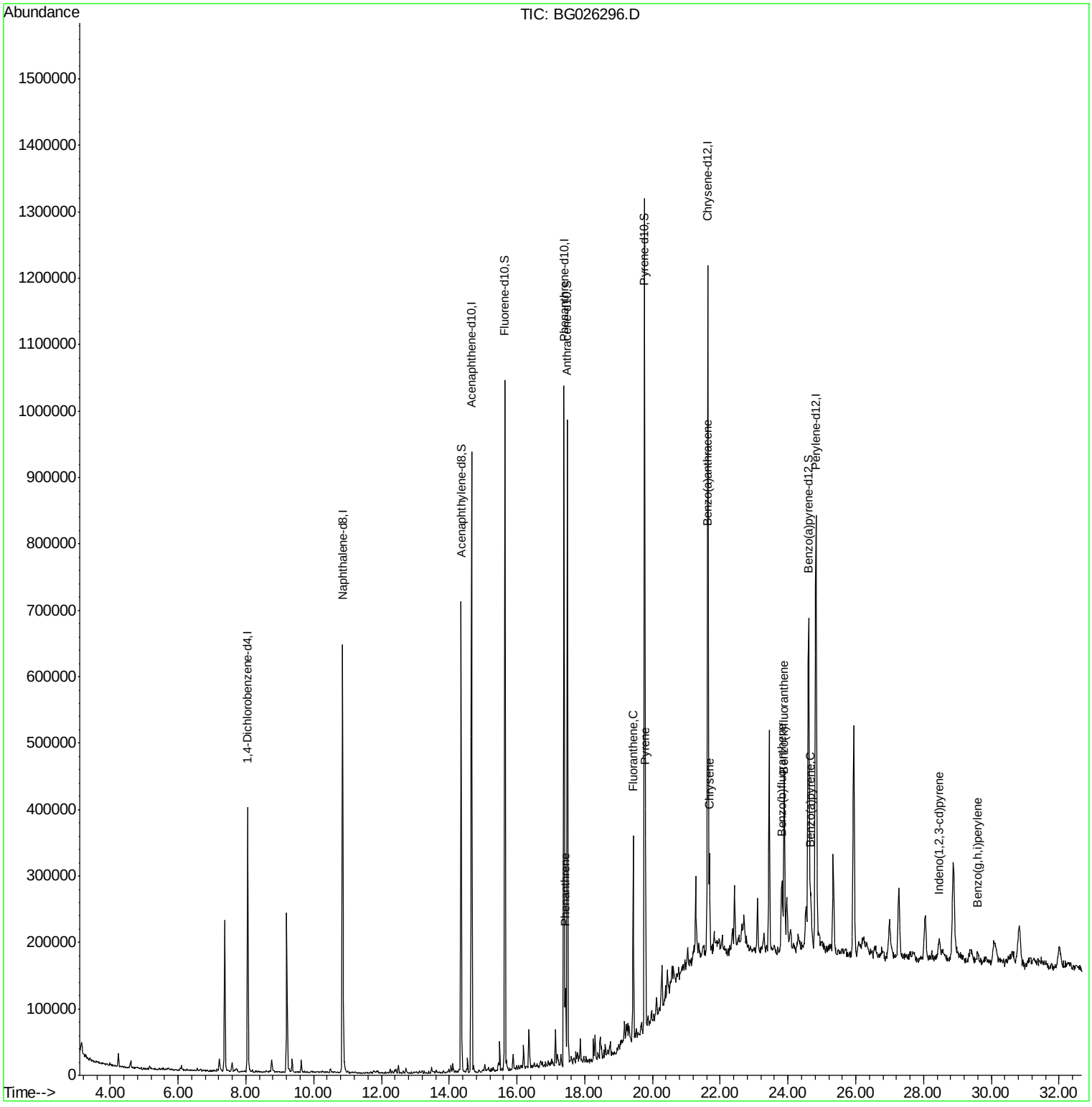
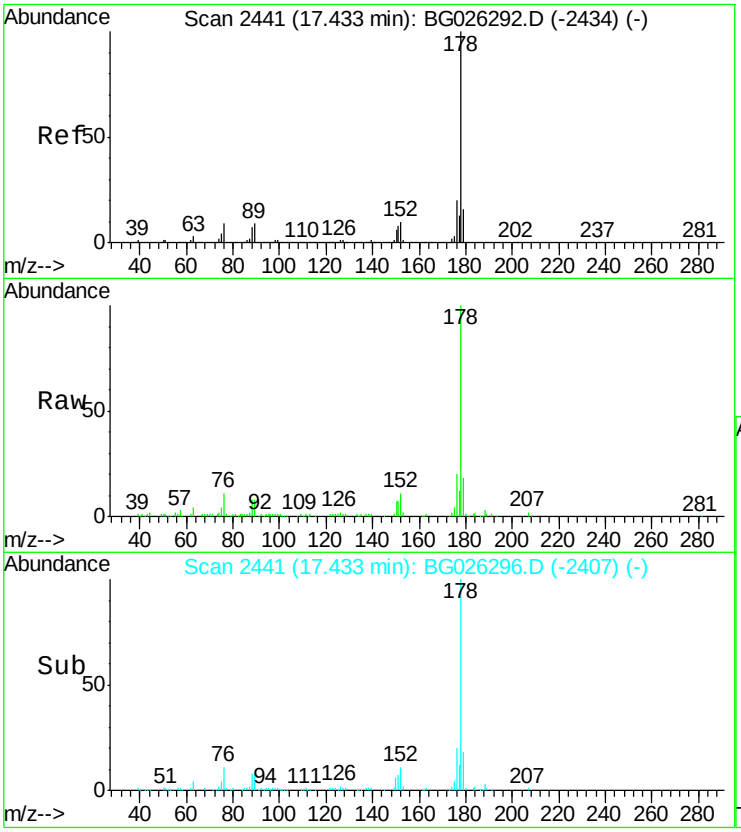
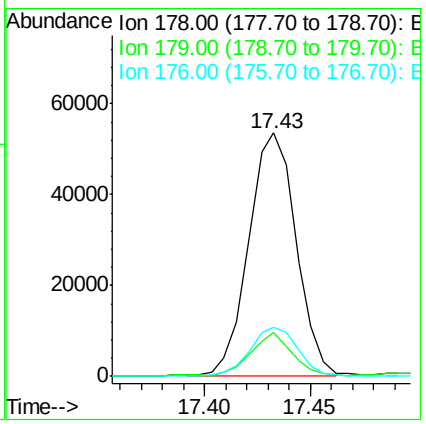





#14
Phenanthrene
Concen: 2.52 ng/ul
RT: 17.43 min Scan# 2441
Delta R.T. 0.00 min
Lab File: BG026296.D
Acq: 18 Mar 2017 00:32

Tgt Ion:178 Resp: 83678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 18.0 | 12.2 | 18.4 |
| 176 | 20.4 | 16.4 | 24.6 |

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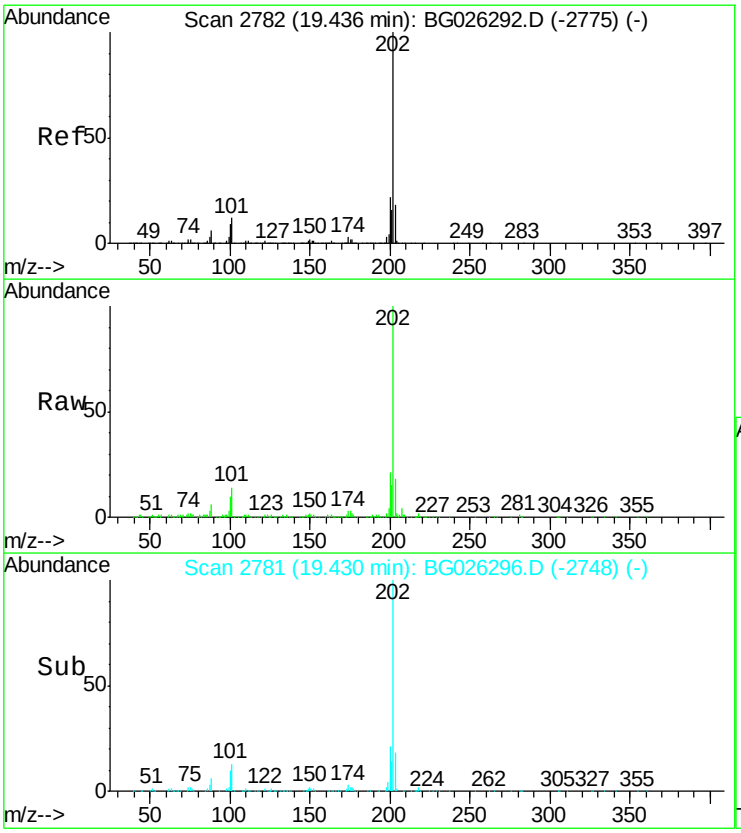
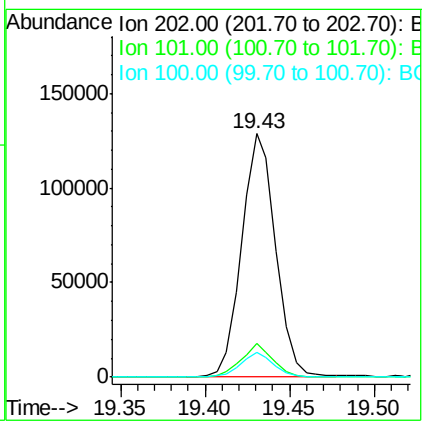
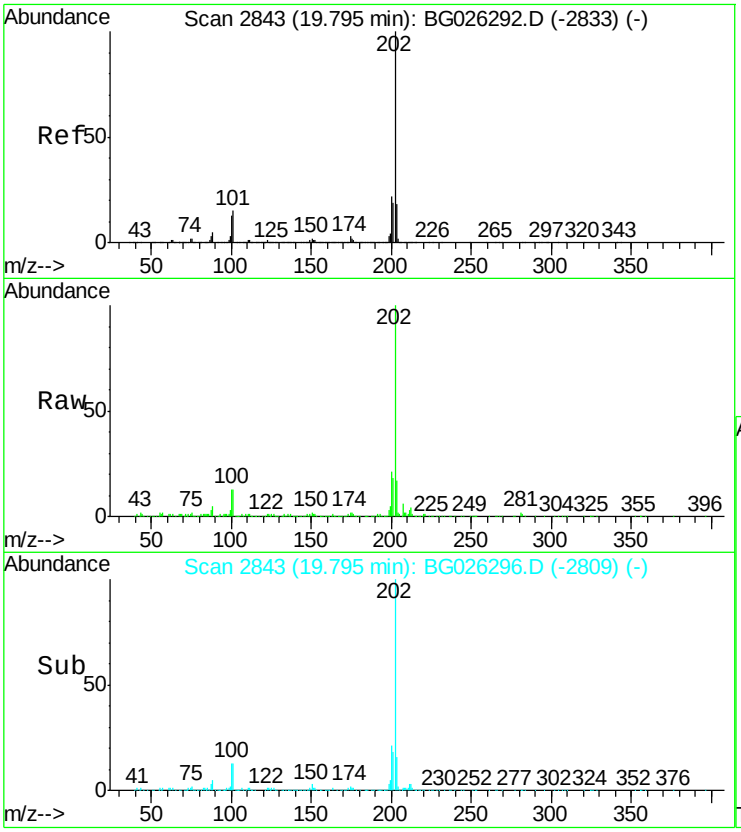



#17
Fluoranthene
Concen: 5.20 ng/ul
RT: 19.43 min Scan# 2781
Delta R.T. -0.01 min
Lab File: BG026296.D
Acq: 18 Mar 2017 00:32

Tgt Ion:202 Resp: 178953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.7 | 9.8 | 14.8 |
| 100 | 10.4 | 7.5 | 11.3 |

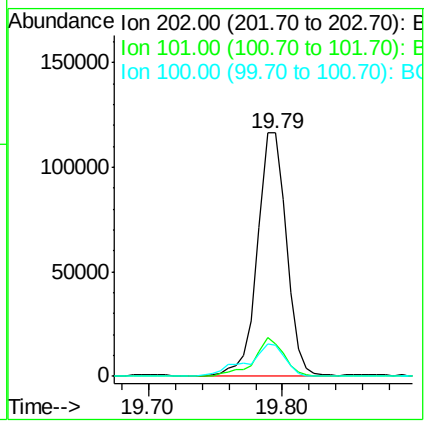





#20
Pyrene
Concen: 4.38 ng/ul
RT: 19.79 min Scan# 2843
Delta R.T. 0.00 min
Lab File: BG026296.D
Acq: 18 Mar 2017 00:32

Tgt Ion:202 Resp: 174418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.2 | 11.2 | 16.8 |
| 100 | 12.6 | 9.8 | 14.6 |

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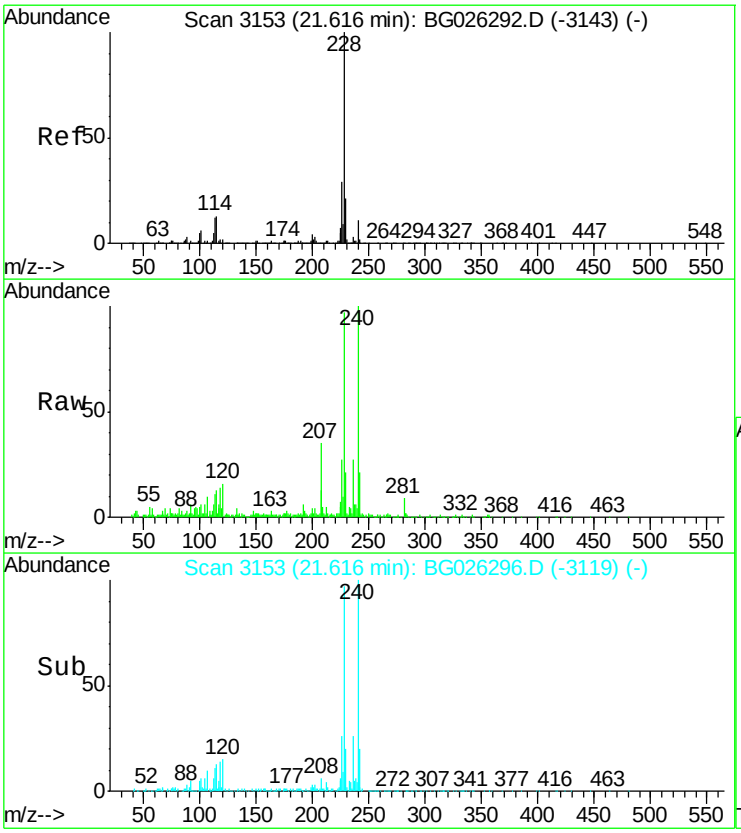
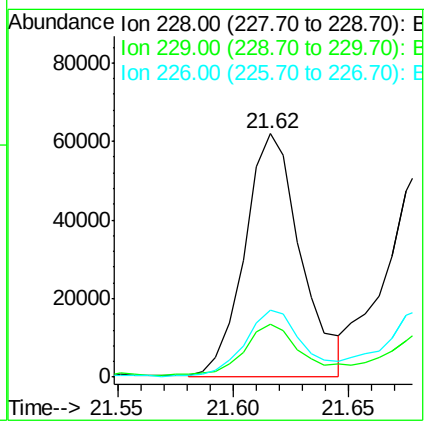
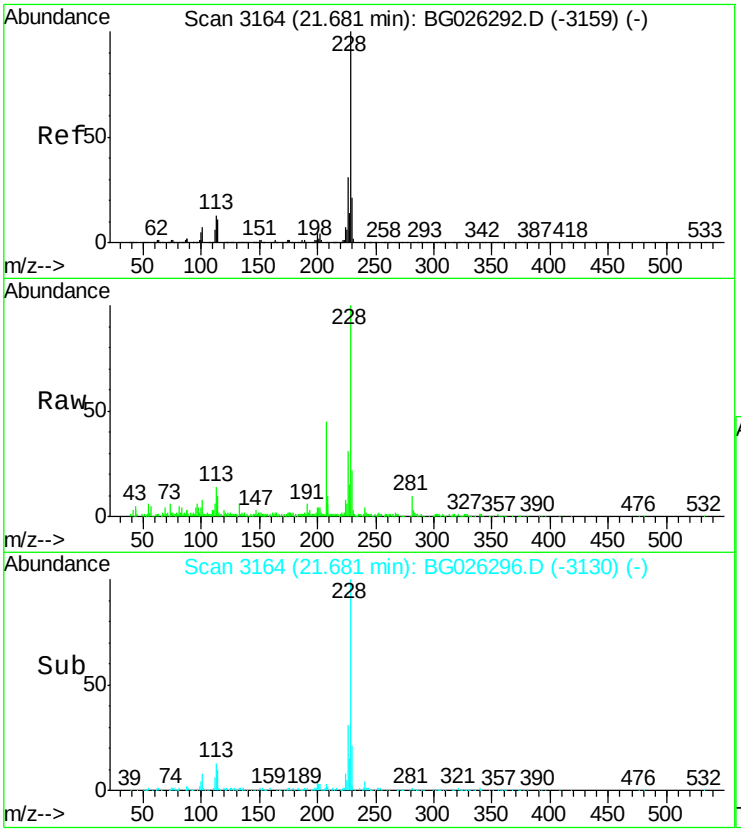



#21
Benzo(a)anthracene
Concen: 3.00 ng/ul
RT: 21.62 min Scan# 3153
Delta R.T. 0.00 min
Lab File: BG026296.D
Acq: 18 Mar 2017 00:32

Tgt Ion:228 Resp: 104509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 21.6 | 15.9 | 23.9 |
| 226 | 27.7 | 22.1 | 33.1 |






#22
Chrysene
Concen: 3.08 ng/ul
RT: 21.68 min Scan# 3164
Delta R.T. 0.00 min
Lab File: BG026296.D
Acq: 18 Mar 2017 00:32

Tgt Ion:228 Resp: 100102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.4 | 25.0 | 37.6 |
| 229 | 21.9 | 16.6 | 25.0 |

**Instrument :**
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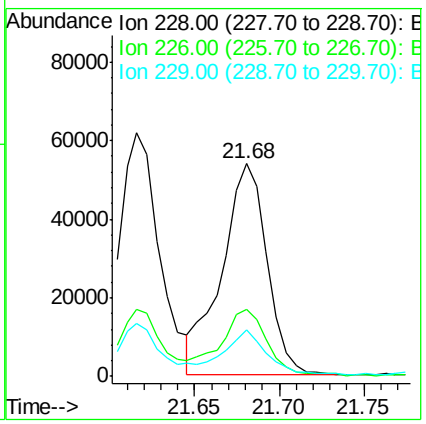
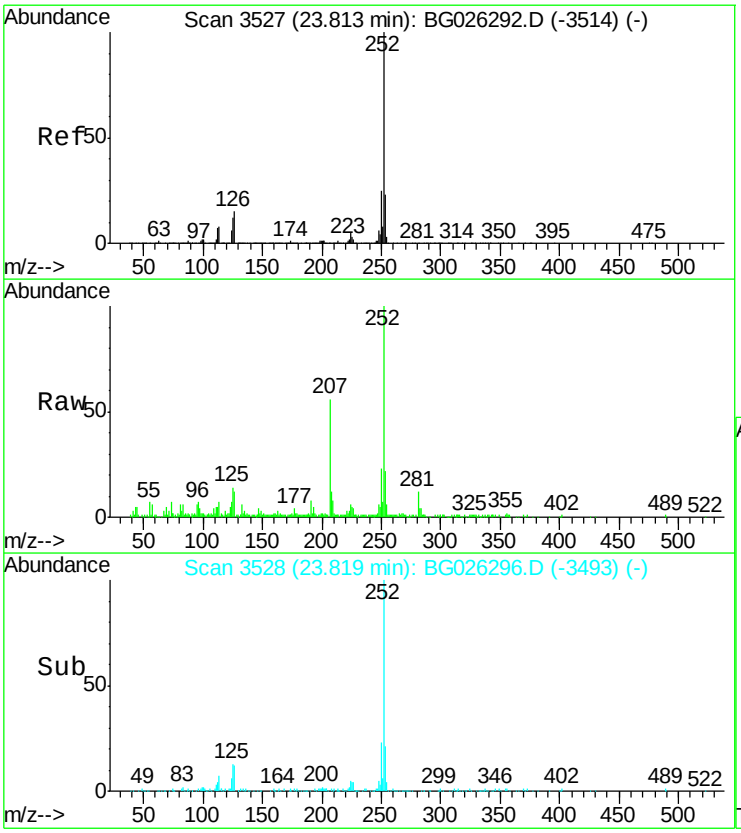
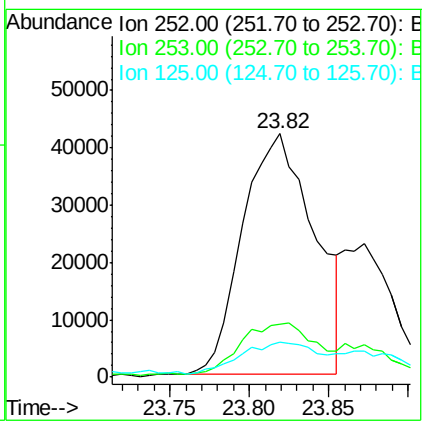


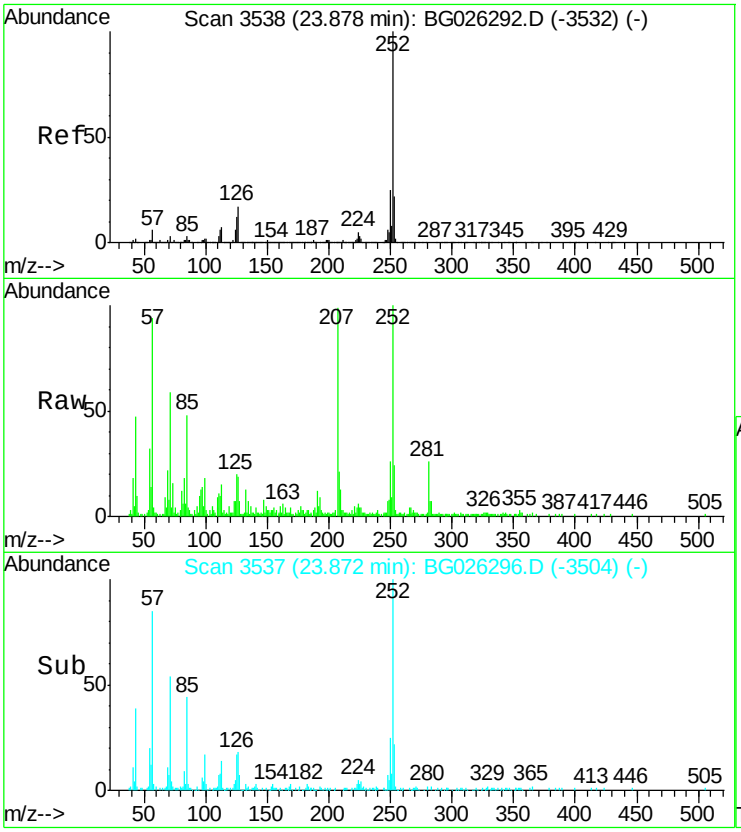




#24
Benzo(b)fluoranthene
Concen: 3.99 ng/ul
RT: 23.82 min Scan# 3528
Delta R.T. 0.01 min
Lab File: BG026296.D
Acq: 18 Mar 2017 00:32

Tgt Ion:252 Resp: 132045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.8 | 26.6 |
| 125 | 14.4 | 9.4 | 14.0# |

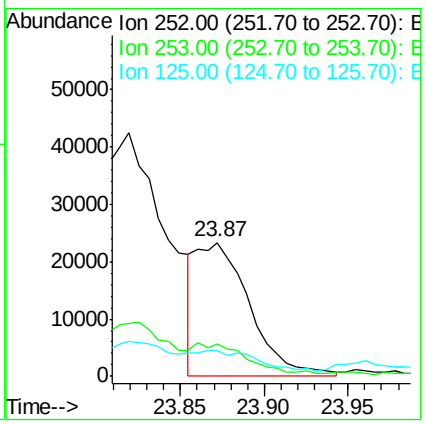





#25
Benzo(k)fluoranthene
Concen: 1.64 ng/ul m
RT: 23.87 min Scan# 3537
Delta R.T. -0.01 min
Lab File: BG026296.D
Acq: 18 Mar 2017 00:32

Tgt Ion:252 Resp: 51760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.1 | 17.4 | 26.2 |
| 125 | 19.8 | 8.8 | 13.2# |

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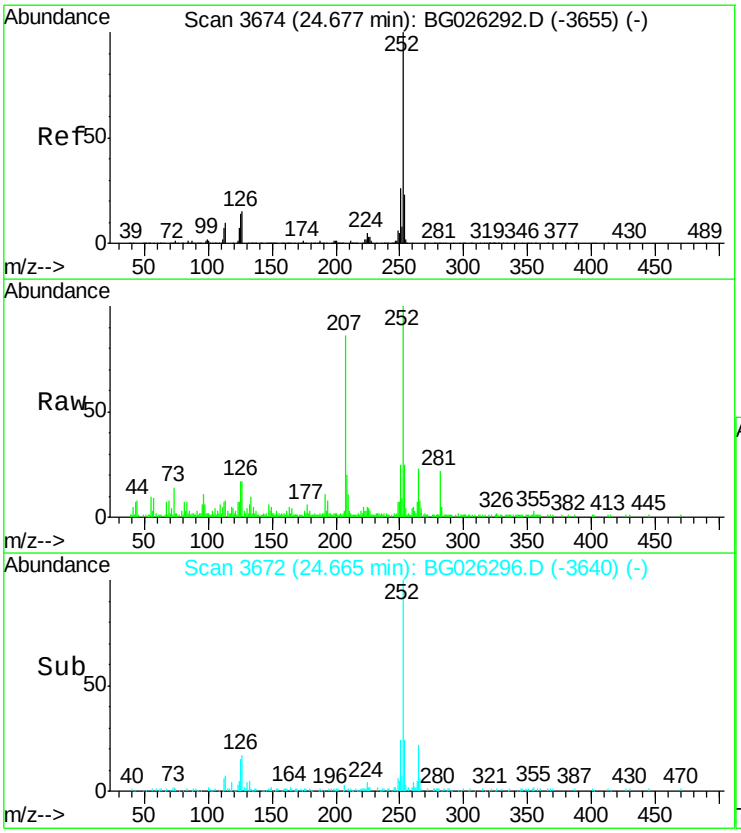
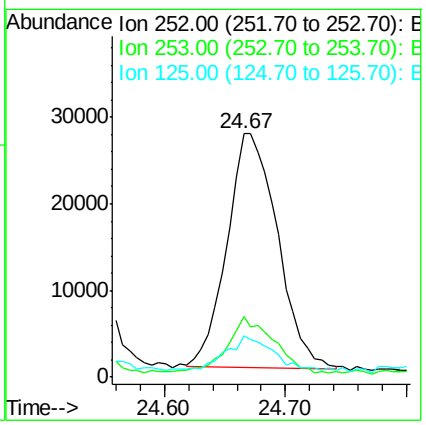
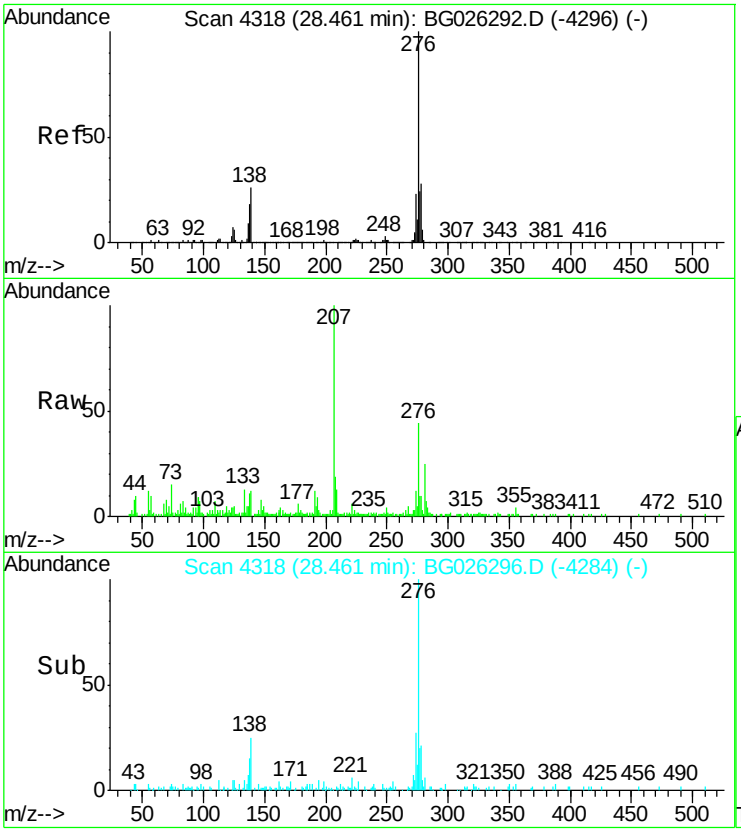



#27
Benzo(a)pyrene
Concen: 2.55 ng/ul
RT: 24.67 min Scan# 3672
Delta R.T. -0.01 min
Lab File: BG026296.D
Acq: 18 Mar 2017 00:32

Tgt Ion:252 Resp: 78291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.1 | 17.1 | 25.7 |
| 125 | 16.9 | 9.4 | 14.2# |

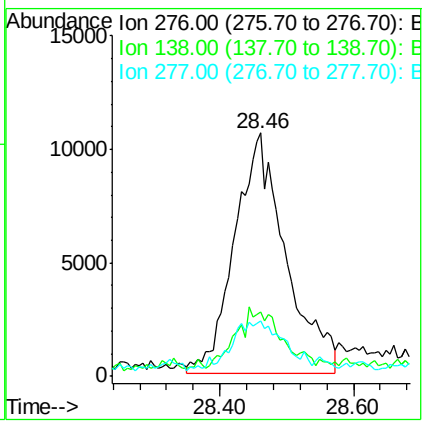





#28
Indeno(1,2,3-cd)pyrene
Concen: 1.67 ng/ul m
RT: 28.46 min Scan# 4318
Delta R.T. 0.00 min
Lab File: BG026296.D
Acq: 18 Mar 2017 00:32

Tgt Ion:276 Resp: 56676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 26.7 | 17.8 | 26.6# |
| 277 | 22.7 | 19.4 | 29.0 |




**Instrument :**
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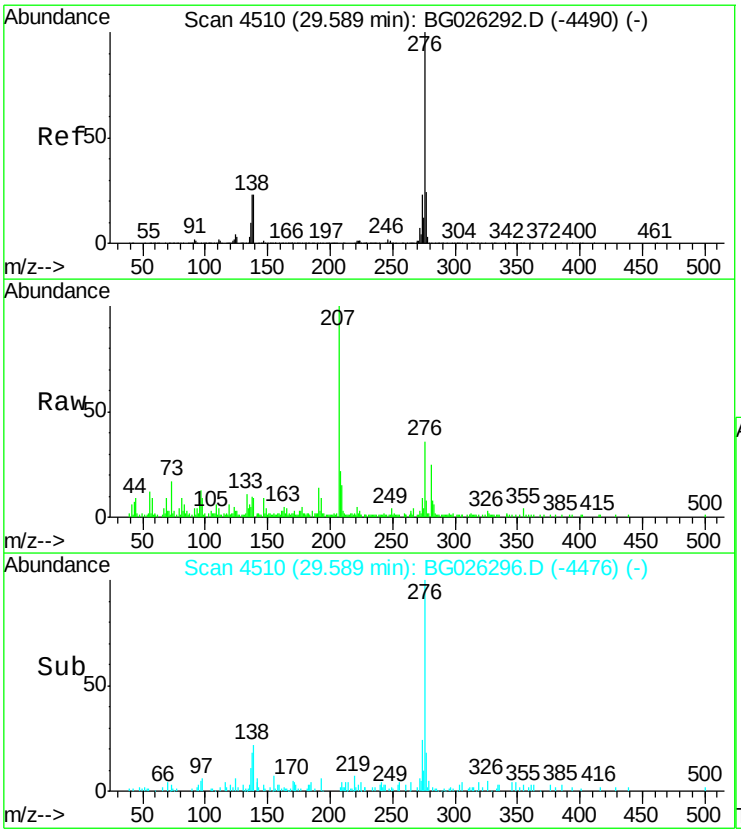


#30
Benzo(g,h,i)perylene
Concen: 1.53 ng/ul m
RT: 29.59 min Scan# 4510
Delta R.T. 0.00 min
Lab File: BG026296.D
Acq: 18 Mar 2017 00:32

Tgt Ion:276 Resp: 44499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 24.4 | 19.0 | 28.4 |
| 277 | 21.3 | 19.7 | 29.5 |