Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023709.D
Acq On : 14 Aug 2016 4:33
Operator : UM/SJ
Sample : H4388-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PR002-SS002-0612-01

**Manual Integrations APPROVED**
umangi
8/16/2016 7:00:03 PM

Quant Time: Aug 16 11:28:44 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 06:38:14 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.11 | 152 | 126488 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.95 | 136 | 549201 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.79 | 164 | 338824 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.55 | 188 | 698692 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.88 | 240 | 711880 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 25.29 | 264 | 717395 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.49 | 96 | 7062 | 2.37 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.27 | 99 | 219316 | 17.21 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.42 | 67 | 152803 | 18.72 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.64 | 132 | 163893 | 18.85 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.83 | 113 | 166972 | 16.79 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.29 | 128 | 84387m | 19.49 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.02 | 143 | 102758 | 20.67 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.57 | 165 | 167687 | 17.88 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.09 | 131 | 132289 | 12.02 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.18 | 166 | 550815 | 19.86 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.48 | 160 | 654817 | 20.97 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 15.01 | 143 | 68080 | 14.38 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.78 | 176 | 479222 | 18.70 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.92 | 200 | 68908 | 15.37 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.65 | 188 | 663915 | 21.09 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.95 | 212 | 699776 | 19.42 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 25.06 | 264 | 677086 | 20.85 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 44) Dimethylphthalate | 14.22 | 163 | 278213 | 10.13 | ng/ul | 99 |
| 47) Acenaphthylene | 14.51 | 152 | 89205 | 2.73 | ng/ul# | 91 |
| 58) Fluorene | 15.84 | 166 | 46155 | 1.68 | ng/ul | 94 |
| 69) Phenanthrene | 17.60 | 178 | 958650 | 26.49 | ng/ul | 98 |
| 71) Anthracene | 17.68 | 178 | 79021 | 2.14 | ng/ul | 98 |
| 74) Fluoranthene | 19.61 | 202 | 1196142 | 32.29 | ng/ul# | 92 |
| 77) Pyrene | 19.98 | 202 | 1411685 | 32.08 | ng/ul | 93 |
| 80) Benzo(a)anthracene | 21.86 | 228 | 612859 | 15.29 | ng/ul | 97 |
| 82) Chrysene | 21.93 | 228 | 764733 | 20.98 | ng/ul | 95 |
| 85) Benzo(b)fluoranthene | 24.20 | 252 | 660853 | 16.20 | ng/ul# | 93 |
| 86) Benzo(k)fluoranthene | 24.26 | 252 | 232554m | 5.79 | ng/ul | |
| 88) Benzo(a)pyrene | 25.13 | 252 | 506015m | 12.84 | ng/ul | |
| 89) Indeno(1,2,3-cd)pyrene | 29.20 | 276 | 254410 | 5.50 | ng/ul# | 80 |
| 90) Dibenzo(a,h)anthracene | 29.25 | 278 | 83550m | 2.12 | ng/ul | |
| 91) Benzo(g,h,i)perylene | 30.43 | 276 | 243153m | 6.34 | ng/ul | |

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023709.D
Acq On : 14 Aug 2016 4:33
Operator : UM/SJ
Sample : H4388-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 16 11:28:44 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 06:38:14 2016
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
PR002-SS002-0612-01

**Manual Integrations APPROVED**
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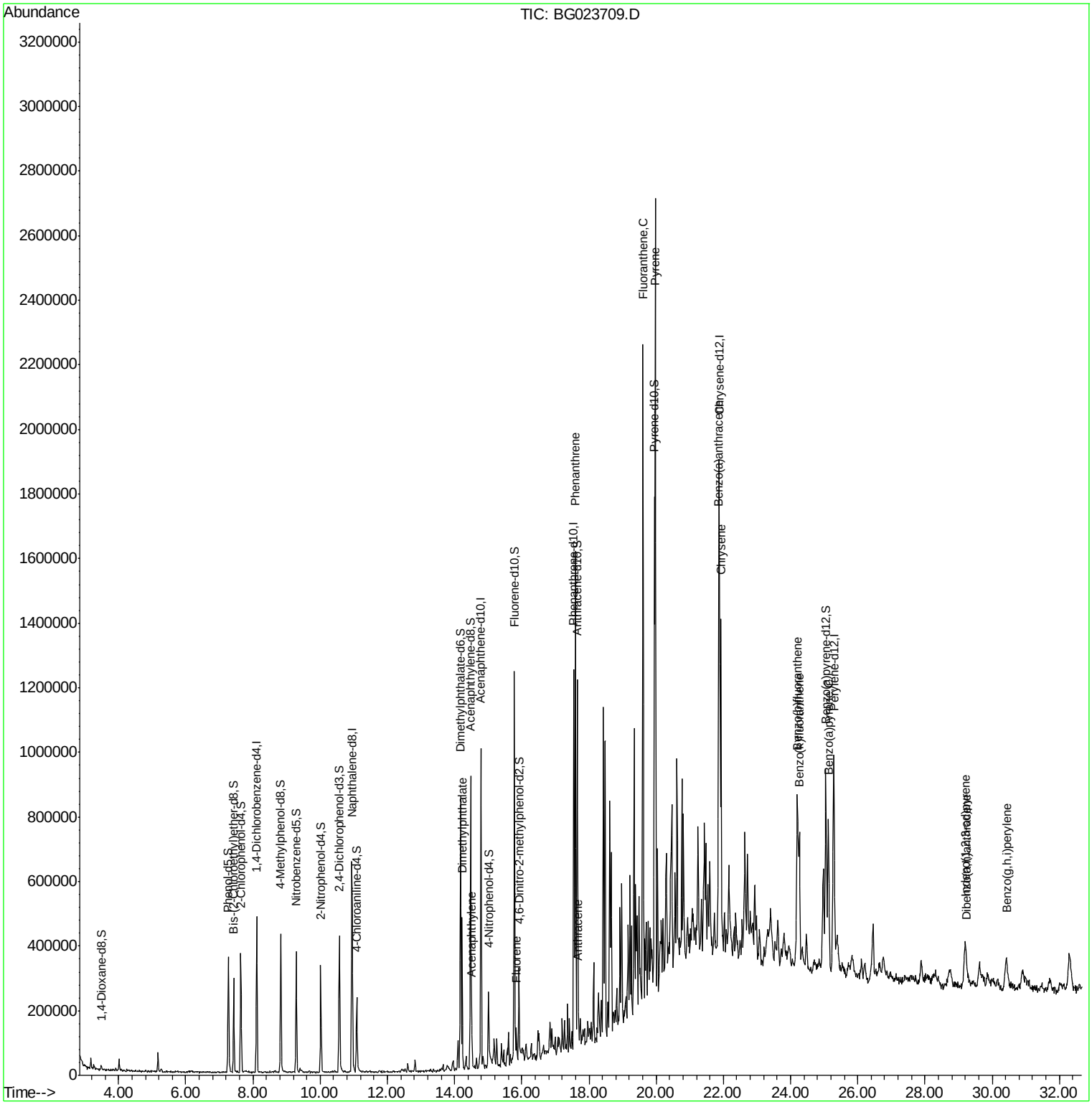
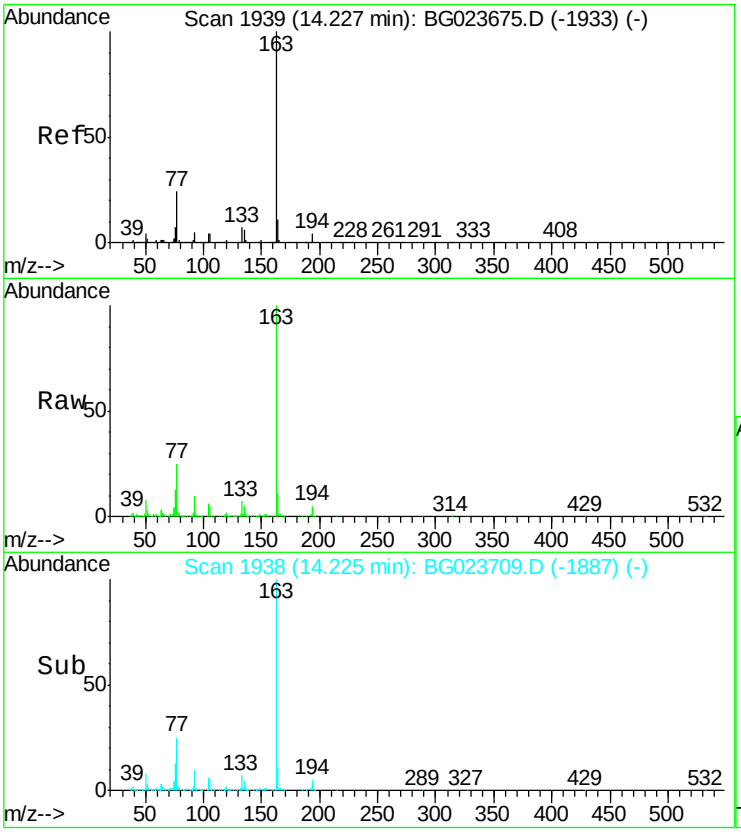
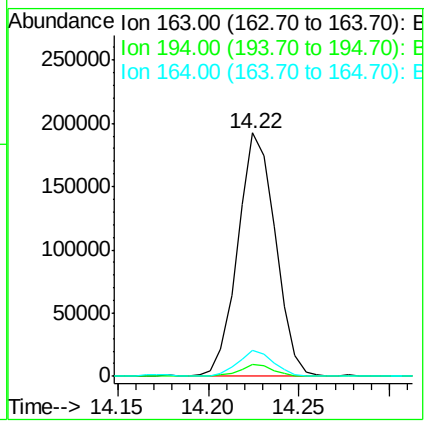





#44
Dimethylphthalate
Concen: 10.13 ng/ul
RT: 14.22 min Scan# 1938
Delta R.T. -0.00 min
Lab File: BG023709.D
Acq: 14 Aug 2016 4:33

Tgt Ion:163 Resp: 278213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.9 | 3.4 | 5.2 |
| 164 | 10.8 | 8.8 | 13.2 |




**Instrument :**
BNA_G
**ClientSampleId :**
PR002-SS002-0612-01

**Manual Integrations APPROVED**
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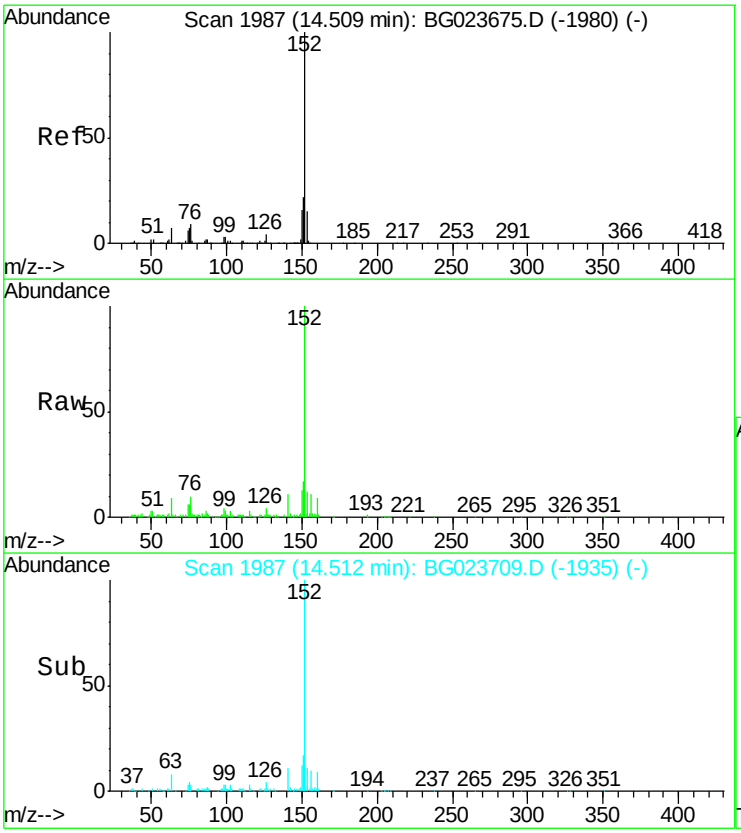
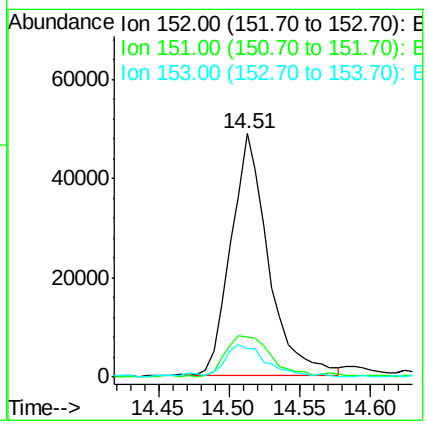
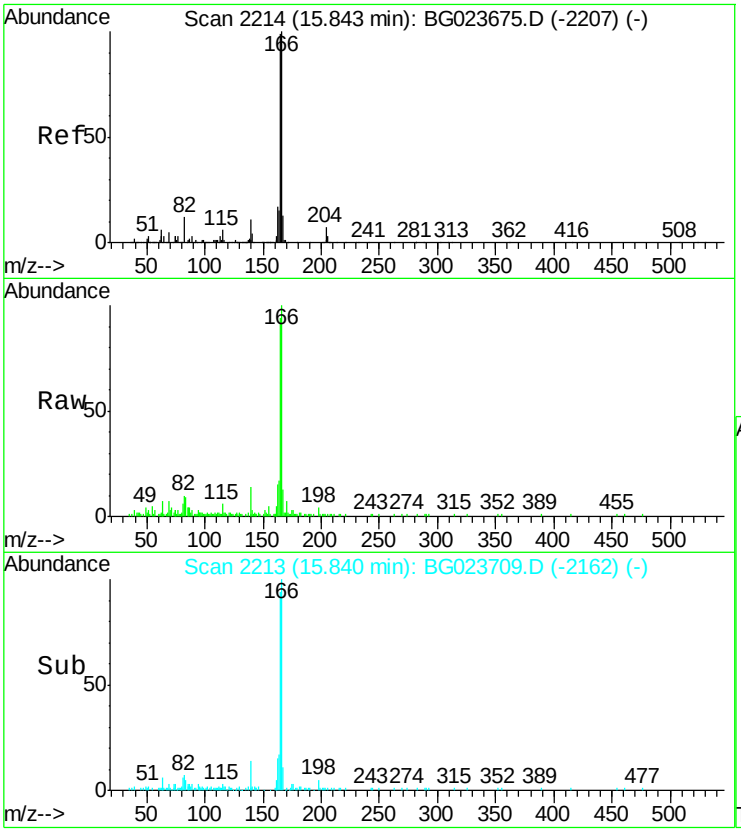



#47
Acenaphthylene
Concen: 2.73 ng/ul
RT: 14.51 min Scan# 1987
Delta R.T. 0.00 min
Lab File: BG023709.D
Acq: 14 Aug 2016 4:33

Tgt Ion:152 Resp: 89205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 16.7 | 17.5 | 26.3# |
| 153 | 11.7 | 11.1 | 16.7 |

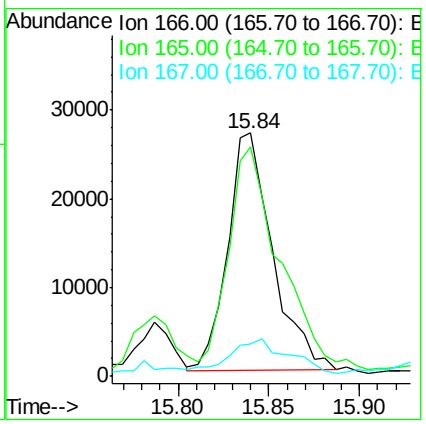





#58
Fluorene
Concen: 1.68 ng/ul
RT: 15.84 min Scan# 2213
Delta R.T. -0.00 min
Lab File: BG023709.D
Acq: 14 Aug 2016 4:33

Tgt Ion:166 Resp: 46155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 94.3 | 80.3 | 120.5 |
| 167 | 13.3 | 10.3 | 15.5 |




**Instrument :**
BNA_G
**ClientSampleId :**
PR002-SS002-0612-01

**Manual Integrations APPROVED**
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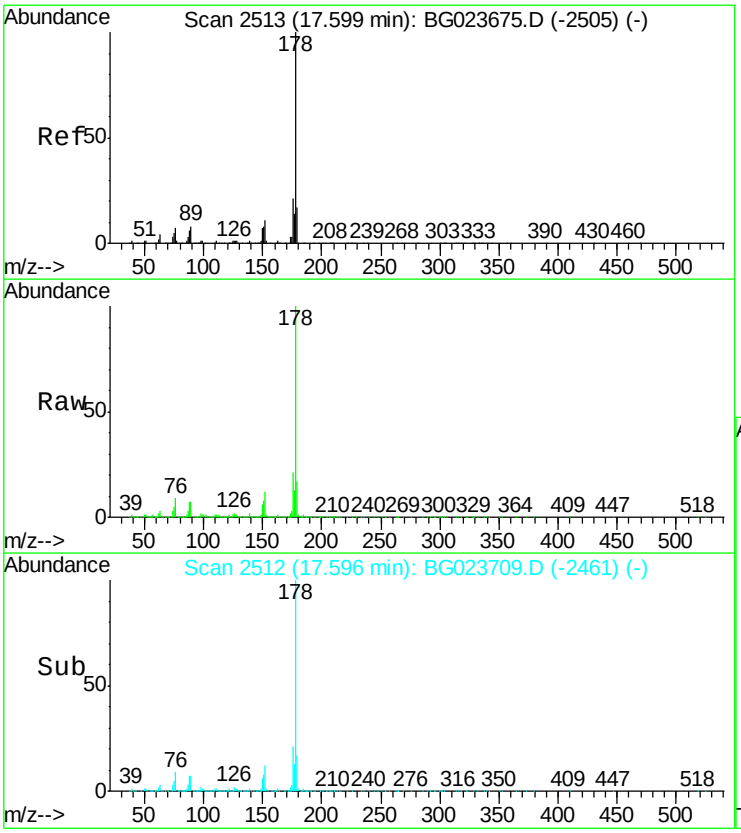
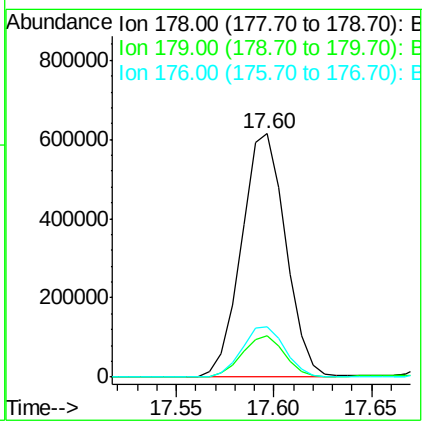
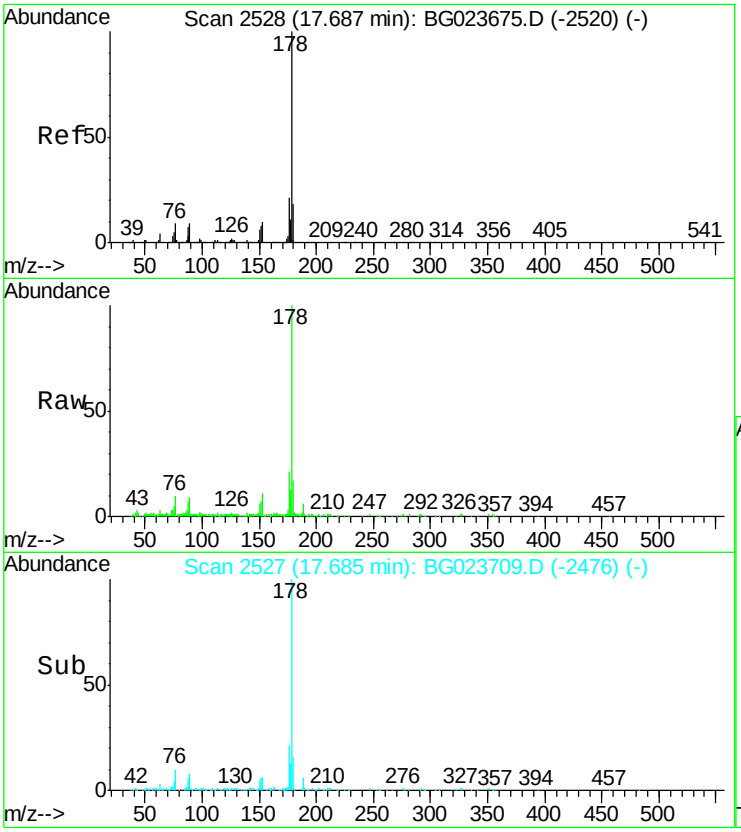



#69
Phenanthrene
Concen: 26.49 ng/ul
RT: 17.60 min Scan# 2512
Delta R.T. -0.00 min
Lab File: BG023709.D
Acq: 14 Aug 2016 4:33

Tgt Ion:178 Resp: 958650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.9 | 12.9 | 19.3 |
| 176 | 20.8 | 15.8 | 23.8 |

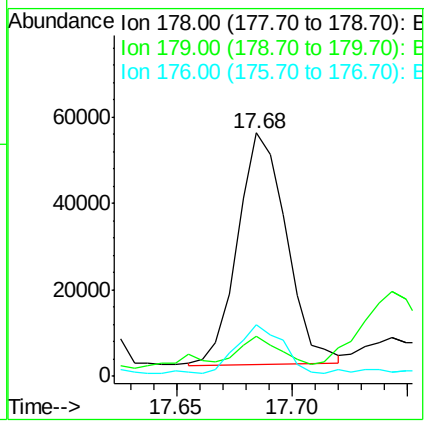





#71
Anthracene
Concen: 2.14 ng/ul
RT: 17.68 min Scan# 2527
Delta R.T. -0.00 min
Lab File: BG023709.D
Acq: 14 Aug 2016 4:33

Tgt Ion:178 Resp: 79021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.6 | 12.3 | 18.5 |
| 176 | 21.5 | 16.3 | 24.5 |




**Instrument :**
BNA_G
**ClientSampleId :**
PR002-SS002-0612-01

**Manual Integrations APPROVED**
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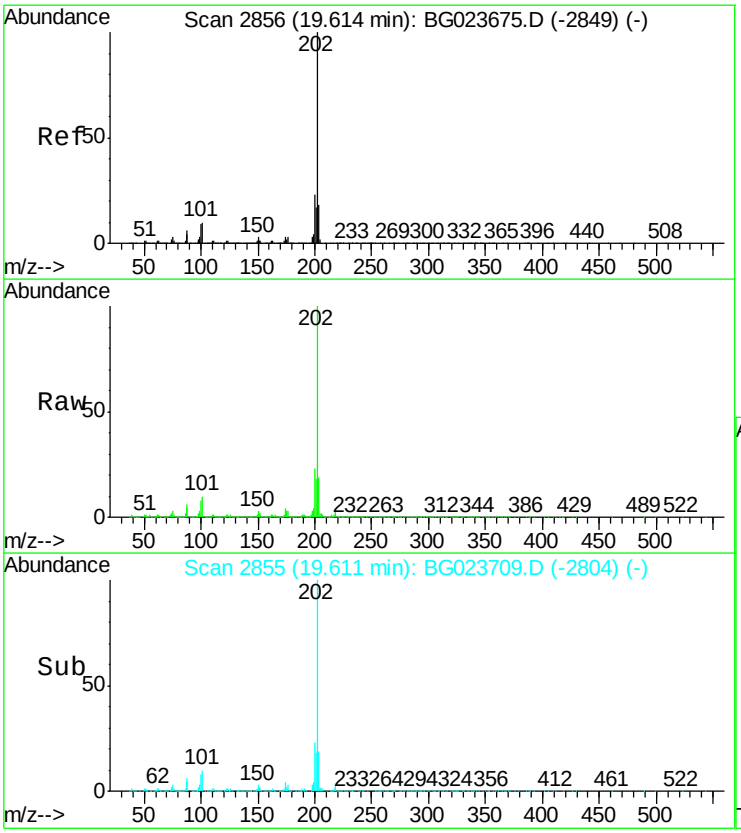
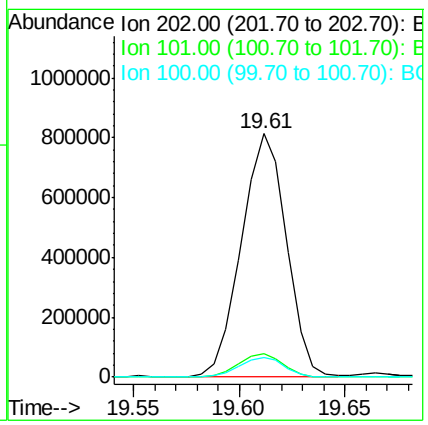
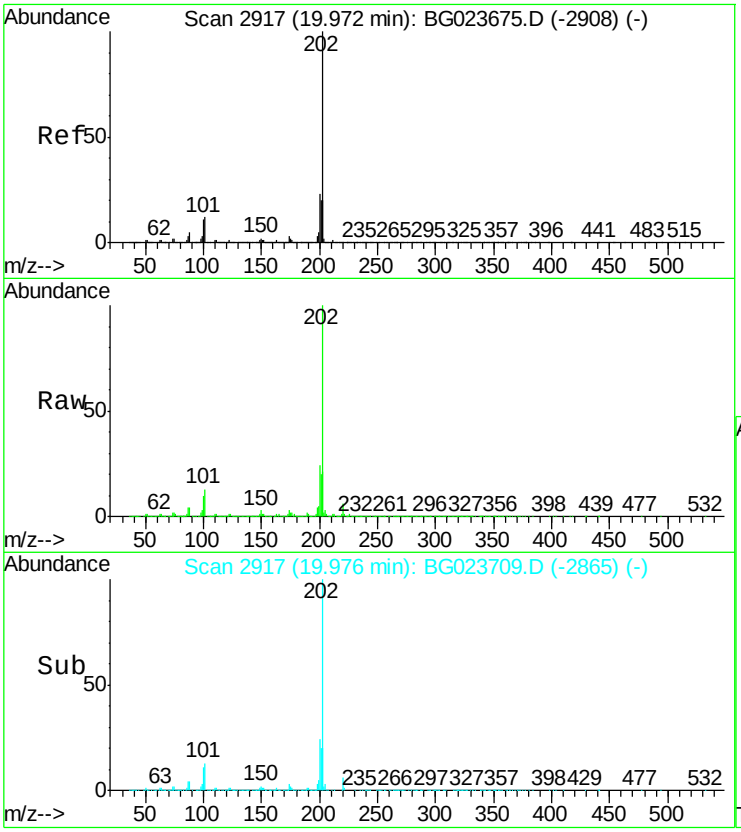



#74
Fluoranthene
Concen: 32.29 ng/ul
RT: 19.61 min Scan# 2855
Delta R.T. -0.00 min
Lab File: BG023709.D
Acq: 14 Aug 2016 4:33

Tgt Ion:202 Resp: 1196142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.8 | 10.6 | 16.0# |
| 100 | 8.2 | 8.7 | 13.1# |

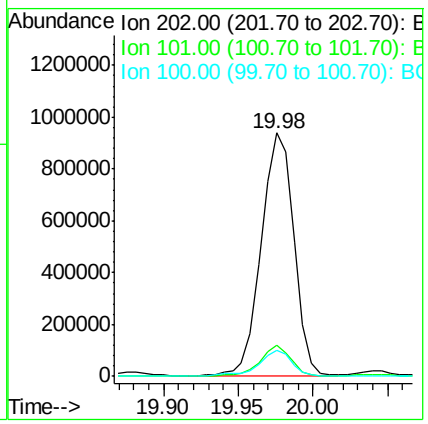





#77
Pyrene
Concen: 32.08 ng/ul
RT: 19.98 min Scan# 2917
Delta R.T. 0.00 min
Lab File: BG023709.D
Acq: 14 Aug 2016 4:33

Tgt Ion:202 Resp: 1411685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.6 | 12.5 | 18.7 |
| 100 | 10.4 | 10.2 | 15.4 |




**Instrument :**
BNA_G
**ClientSampleId :**
PR002-SS002-0612-01

**Manual Integrations APPROVED**
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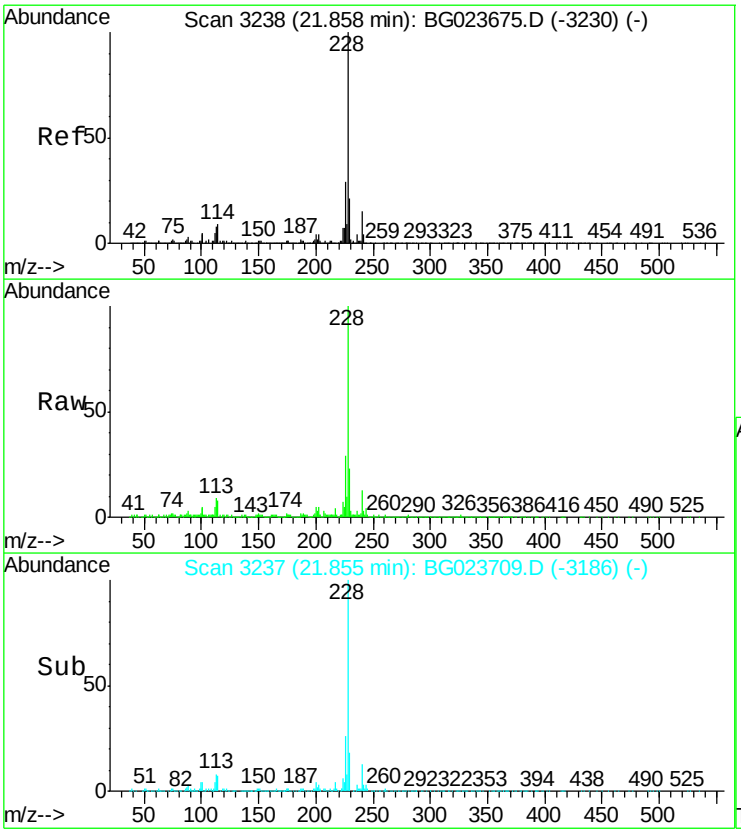
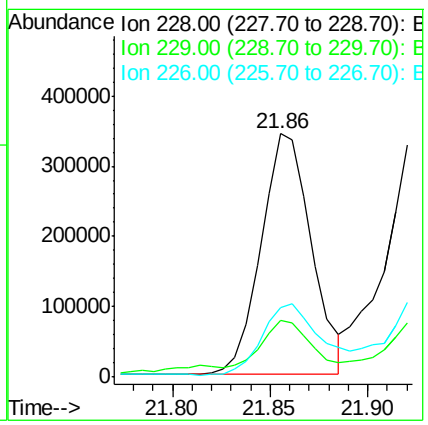
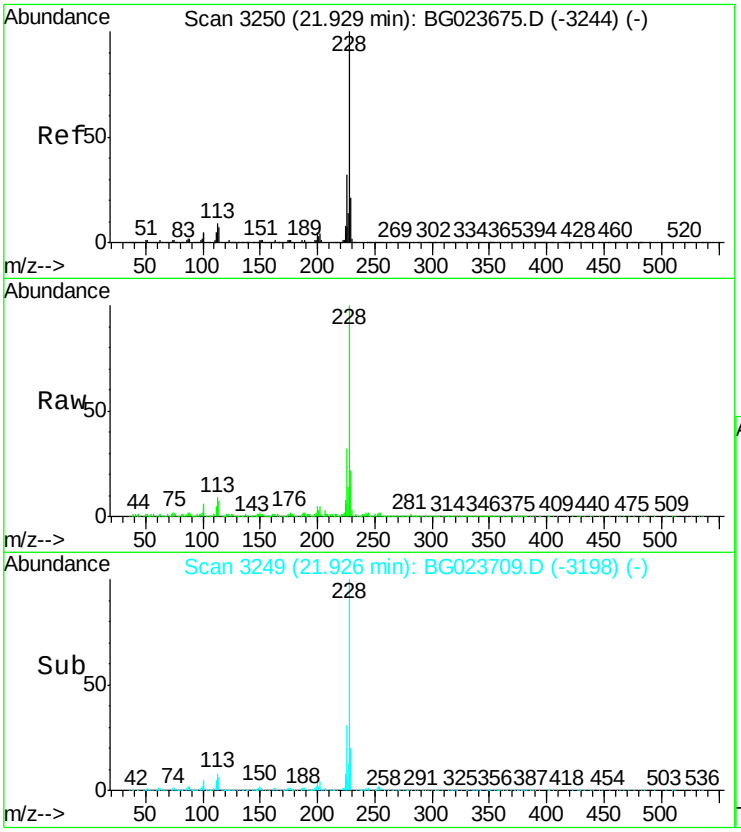



#80
Benzo(a)anthracene
Concen: 15.29 ng/ul
RT: 21.86 min Scan# 3237
Delta R.T. -0.00 min
Lab File: BG023709.D
Acq: 14 Aug 2016 4:33

Tgt Ion:228 Resp: 612859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 23.1 | 15.4 | 23.2 |
| 226 | 28.6 | 22.8 | 34.2 |

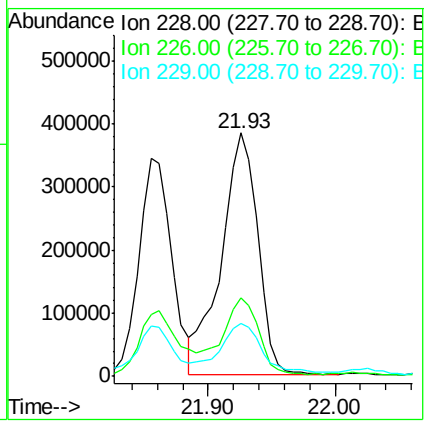





#82
Chrysene
Concen: 20.98 ng/ul
RT: 21.93 min Scan# 3249
Delta R.T. -0.00 min
Lab File: BG023709.D
Acq: 14 Aug 2016 4:33

Tgt Ion:228 Resp: 764733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.5 | 24.2 | 36.4 |
| 229 | 21.8 | 15.0 | 22.6 |




**Instrument :**
BNA_G
**ClientSampleId :**
PR002-SS002-0612-01

**Manual Integrations APPROVED**
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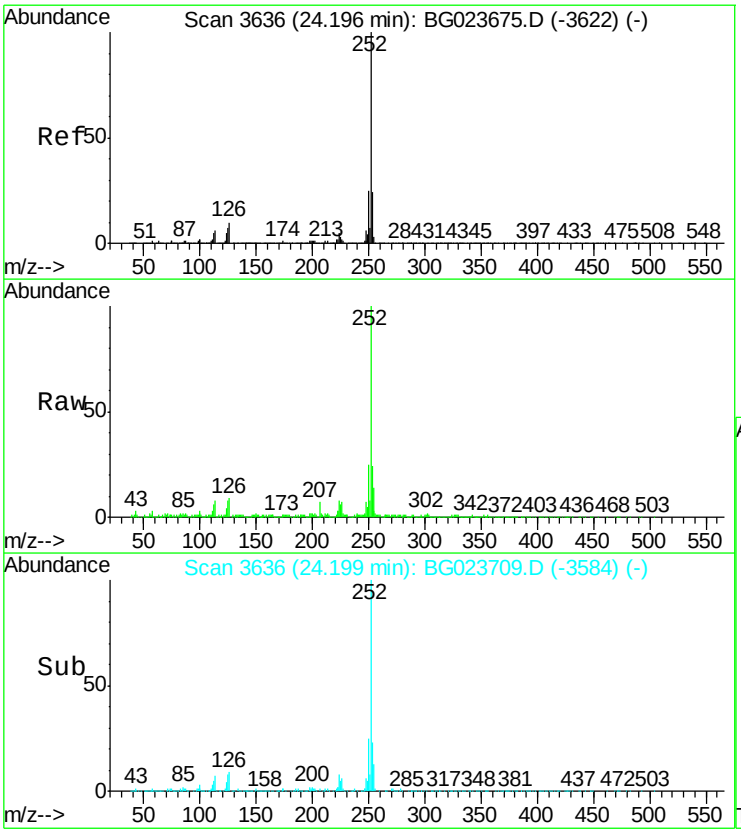
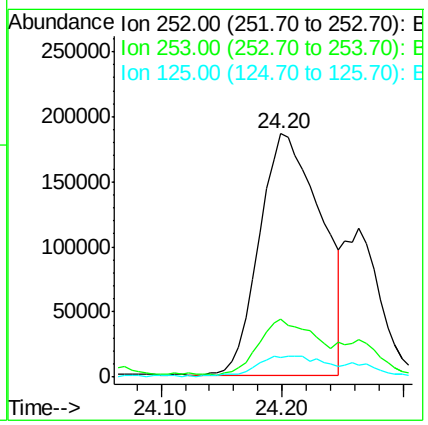
8/16/2016 7:00:03 PM

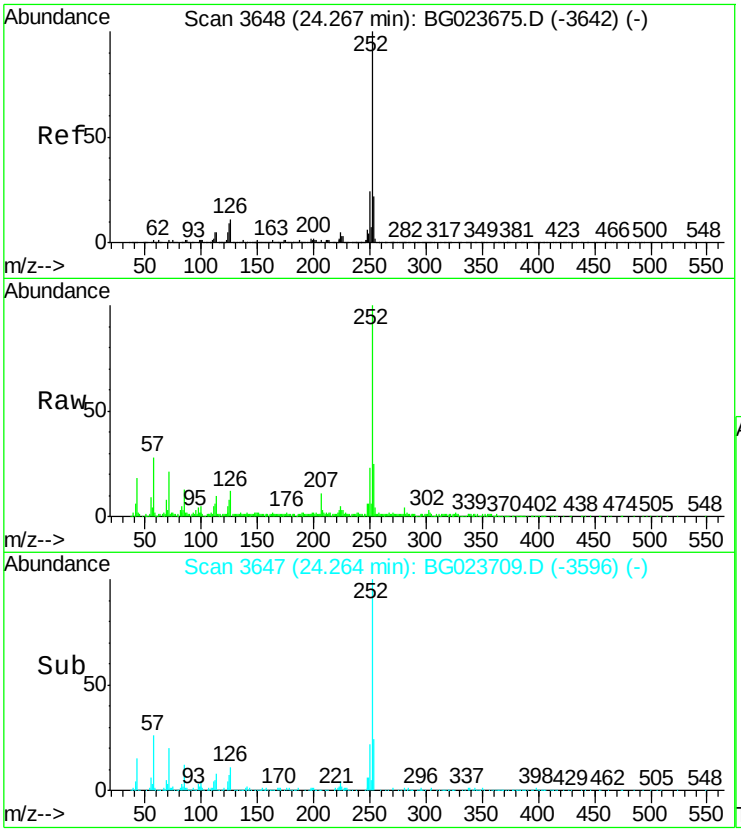



#85
Benzo(b)fluoranthene
Concen: 16.20 ng/ul
RT: 24.20 min Scan# 3636
Delta R.T. 0.00 min
Lab File: BG023709.D
Acq: 14 Aug 2016 4:33

Tgt Ion:252 Resp: 660853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.9 | 18.2 | 27.2 |
| 125 | 8.1 | 10.8 | 16.2# |






#86
Benzo(k)fluoranthene
Concen: 5.79 ng/ul m
RT: 24.26 min Scan# 3647
Delta R.T. -0.00 min
Lab File: BG023709.D
Acq: 14 Aug 2016 4:33

Tgt Ion:252 Resp: 232554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.3 | 15.8 | 23.6# |
| 125 | 8.0 | 10.6 | 16.0# |

**Instrument :**
BNA_G
**ClientSampleId :**
PR002-SS002-0612-01

**Manual Integrations APPROVED**
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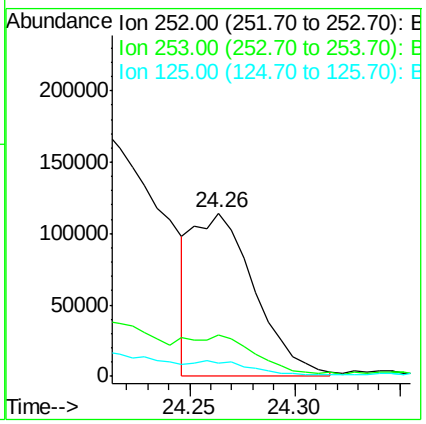
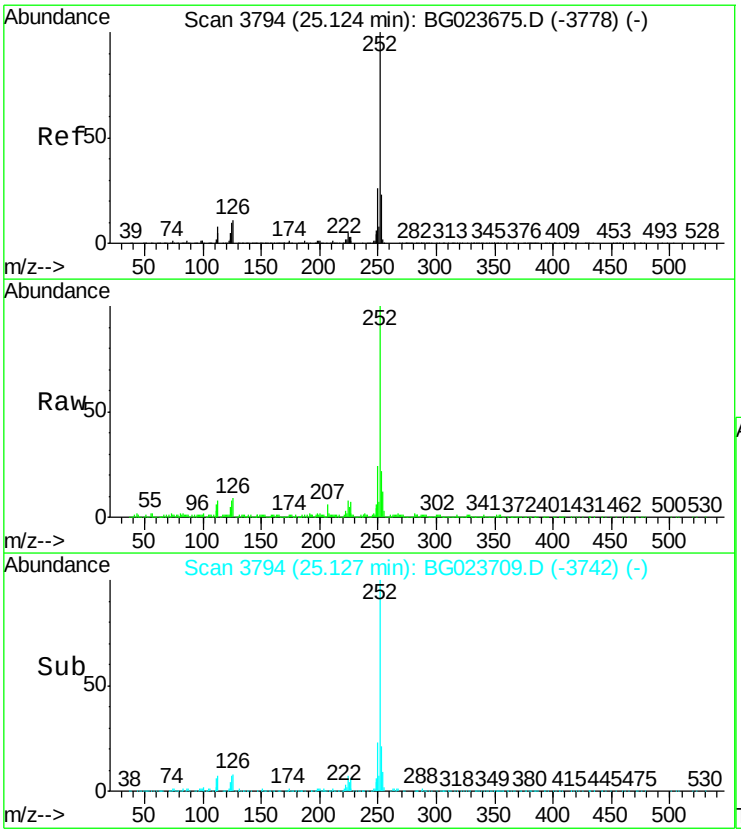
8/16/2016 7:00:03 PM

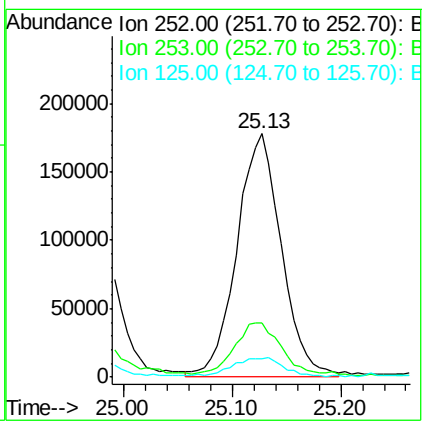


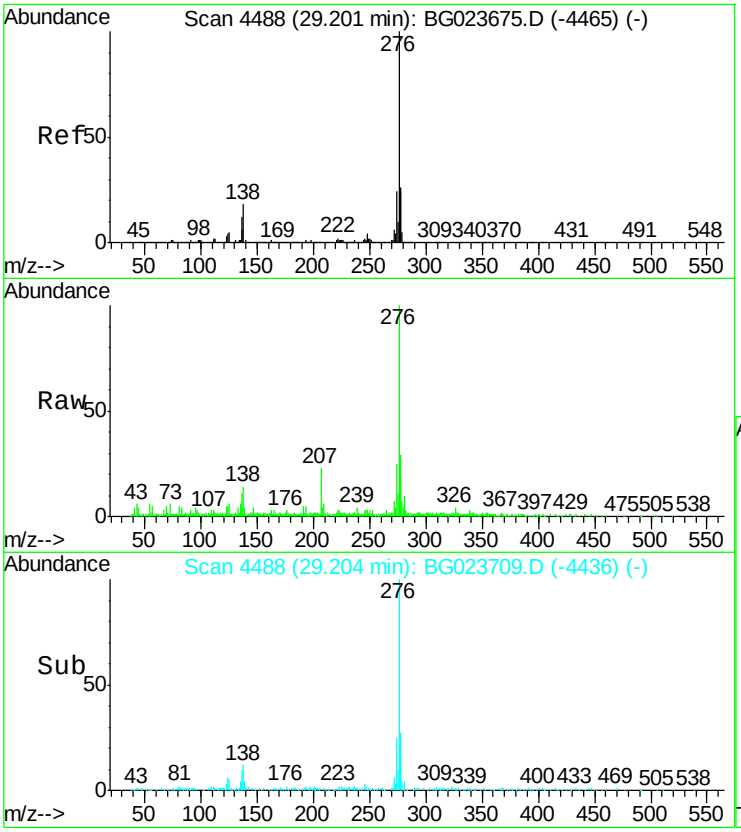




#88
Benzo(a)pyrene
Concen: 12.84 ng/ul m
RT: 25.13 min Scan# 3794
Delta R.T. 0.00 min
Lab File: BG023709.D
Acq: 14 Aug 2016 4:33

Tgt Ion:252 Resp: 506015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 19.0 | 28.4 |
| 125 | 7.7 | 12.0 | 18.0# |






#89
Indeno(1,2,3-cd)pyrene
Concen: 5.50 ng/ul
RT: 29.20 min Scan# 4488
Delta R.T. 0.00 min
Lab File: BG023709.D
Acq: 14 Aug 2016 4:33

Tgt Ion:276 Resp: 254410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 13.8 | 20.8 | 31.2# |
| 277 | 29.3 | 17.6 | 26.4# |

**Instrument :**
BNA_G
**ClientSampleId :**
PR002-SS002-0612-01

**Manual Integrations APPROVED**
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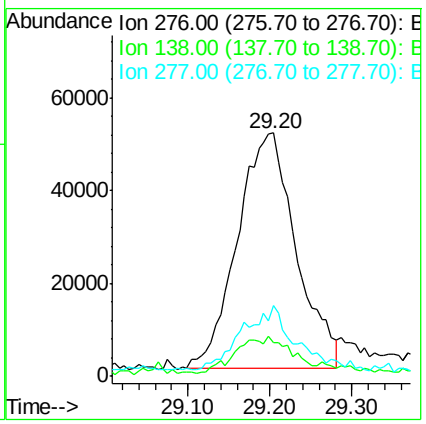
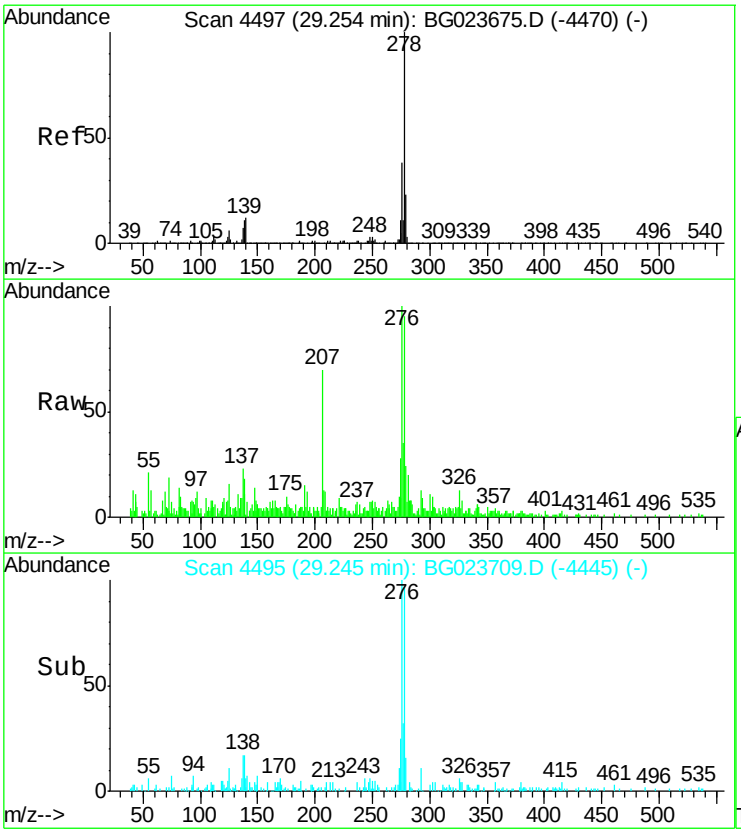
8/16/2016 7:00:03 PM

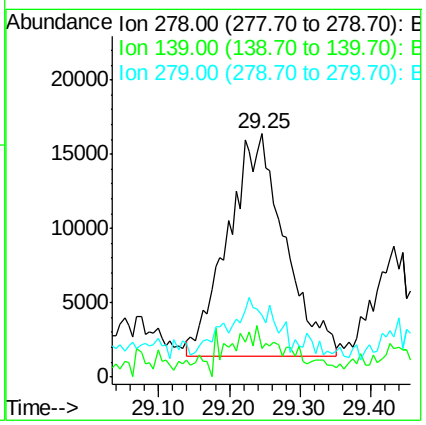


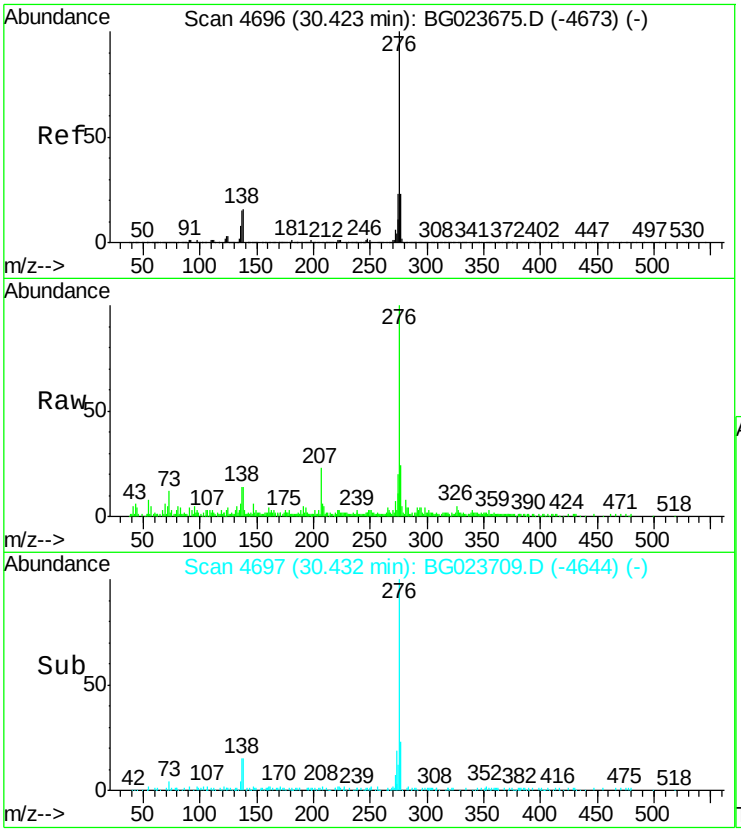




#90
Dibenzo(a,h)anthracene
Concen: 2.12 ng/ul m
RT: 29.25 min Scan# 4495
Delta R.T. -0.01 min
Lab File: BG023709.D
Acq: 14 Aug 2016 4:33

Tgt Ion:278 Resp: 83550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 11.5 | 16.3 | 24.5# |
| 279 | 25.6 | 19.1 | 28.7 |

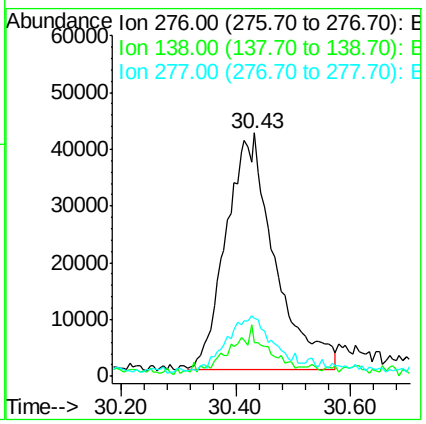





#91
Benzo(g,h,i)perylene
Concen: 6.34 ng/ul m
RT: 30.43 min Scan# 4697
Delta R.T. 0.01 min
Lab File: BG023709.D
Acq: 14 Aug 2016 4:33

Tgt Ion:276 Resp: 243153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 14.1 | 22.1 | 33.1# |
| 277 | 23.9 | 17.0 | 25.4 |




**Instrument :**
BNA_G
**ClientSampleId :**
PR002-SS002-0612-01

**Manual Integrations APPROVED**
umangi
8/16/2016 7:00:03 PM