Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111815\
Data File : BM003174.D
Acq On : 18 Nov 2015 23:35
Operator : UM/IZ
Sample : G4323-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** A4HT2

**Manual Integrations APPROVED**
Mmdadoda
11/19/2015 6:42:49 PM

Quant Time: Nov 19 03:40:54 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 19 03:20:59 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.74 | 152 | 29523 | 0.40 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.53 | 136 | 118029 | 0.40 | ng/ul | 0.00 |
| 8) Acenaphthene-d10 | 14.38 | 164 | 72188 | 0.40 | ng/ul | 0.00 |
| 12) Phenanthrene-d10 | 17.12 | 188 | 164427 | 0.40 | ng/ul | 0.00 |
| 18) Chrysene-d12 | 21.32 | 240 | 263535 | 0.40 | ng/ul | 0.00 |
| 22) Perylene-d12 | 23.58 | 264 | 247759 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 2) 1,4-Dioxane-d8 | 3.20 | 96 | 102163 | 3.24 | ng/uL | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.12 | 152 | 30930 | 0.19 | ng/ul | 0.00 |
| 16) Fluoranthene-d10 | 19.17 | 212 | 69304 | 0.17 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 5) Naphthalene | 10.58 | 128 | 15339 | 0.05 | ng/ul | 97 |
| 7) 2-Methylnaphthalene | 12.19 | 142 | 1537 | 0.01 | ng/ul# | 100 |
| 9) Acenaphthylene | 14.09 | 152 | 7529 | 0.03 | ng/ul# | 87 |
| 13) Pentachlorophenol | 16.78 | 266 | 10973 | 0.28 | ng/ul# | 17 |
| 14) Phenanthrene | 17.17 | 178 | 44296 | 0.09 | ng/ul | 97 |
| 17) Fluoranthene | 19.19 | 202 | 96258 | 0.18 | ng/ul | 97 |
| 19) Pyrene | 19.55 | 202 | 104145 | 0.12 | ng/ul | 98 |
| 20) Benzo(a)anthracene | 21.30 | 228 | 50297 | 0.07 | ng/ul# | 90 |
| 21) Chrysene | 21.35 | 228 | 55519 | 0.06 | ng/ul | 94 |
| 25) Benzo(a)pyrene | 23.48 | 252 | 54560m | 0.07 | ng/ul | |
| 26) Indeno(1,2,3-cd)pyrene | 25.85 | 276 | 38761 | 0.04 | ng/ul# | 100 |
| 28) Benzo(g,h,i)perylene | 26.56 | 276 | 40462 | 0.05 | ng/ul | 98 |

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

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Data Path : Z:\HPCHEM1\BNA M\DATA\BM111815\
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Operator : UM/IZ
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Misc :
ALS Vial : 9 Sample Multiplier: 1

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**Instrument :**
BNA_M
**ClientSampleId :**
A4HT2

**Manual Integrations APPROVED**
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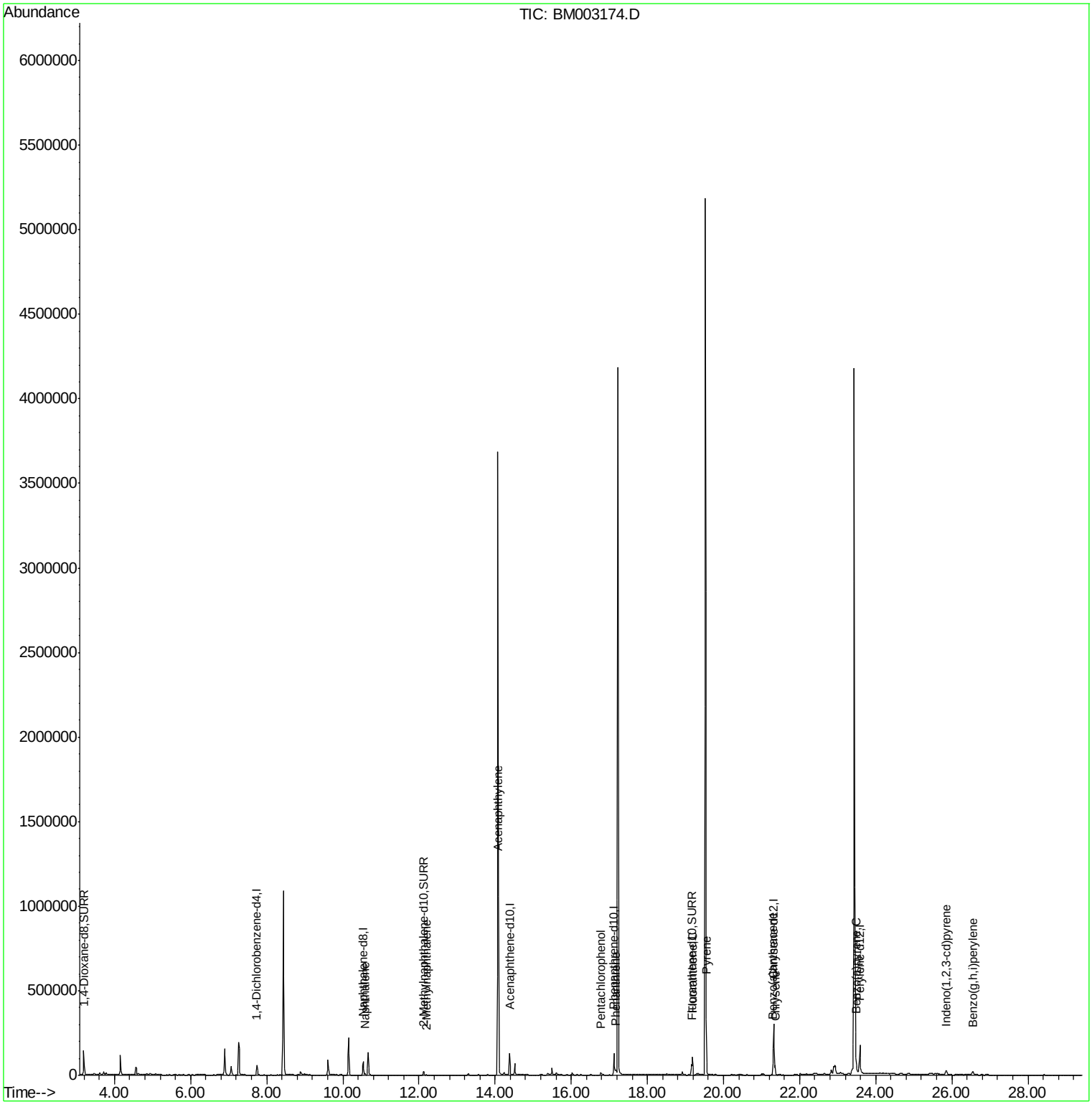
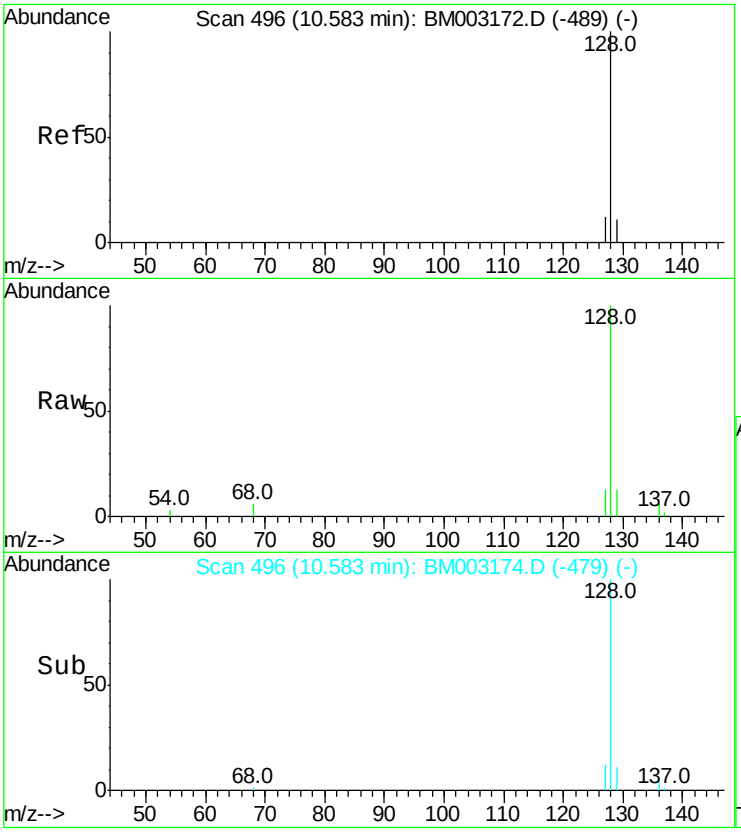
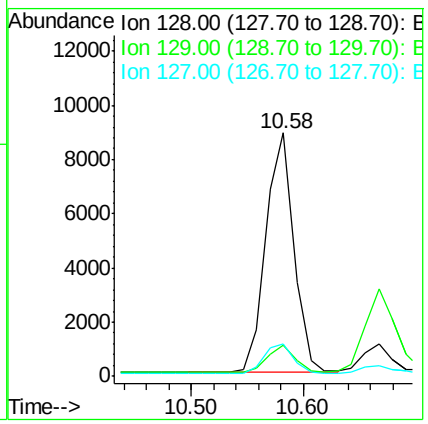





#5
Naphthalene
Concen: 0.05 ng/ul
RT: 10.58 min Scan# 496
Delta R.T. 0.00 min
Lab File: BM003174.D
Acq: 18 Nov 2015 23:35

Tgt Ion:128 Resp: 15339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.6 | 9.0 | 13.6 |
| 127 | 13.1 | 9.6 | 14.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
A4HT2

**Manual Integrations APPROVED**
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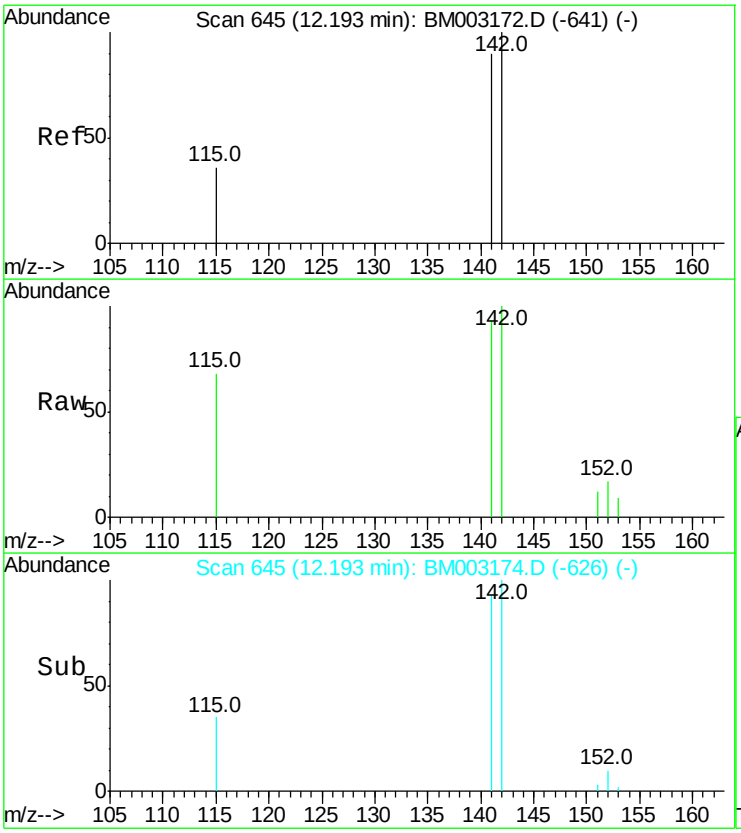
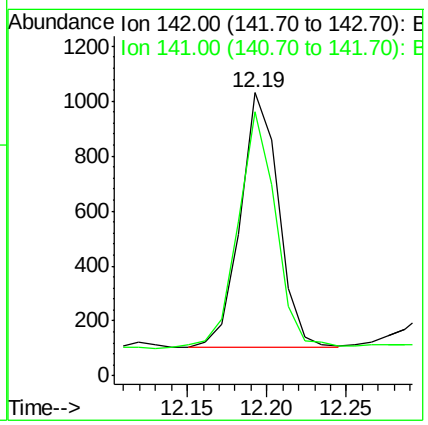
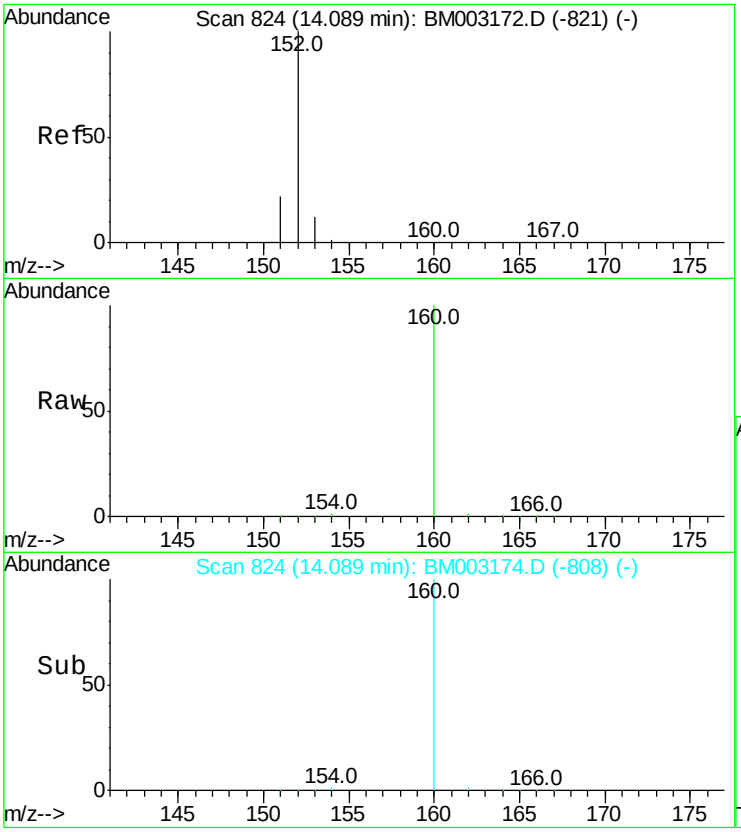



#7
2-Methylnaphthalene
Concen: 0.01 ng/ul
RT: 12.19 min Scan# 645
Delta R.T. 0.00 min
Lab File: BM003174.D
Acq: 18 Nov 2015 23:35

Tgt Ion:142 Resp: 1537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 94.7 | 0.0 | 0.0# |

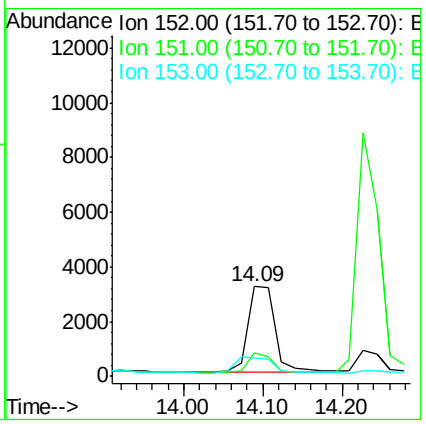





#9
Acenaphthylene
Concen: 0.03 ng/ul
RT: 14.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BM003174.D
Acq: 18 Nov 2015 23:35

Tgt Ion:152 Resp: 7529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 26.3 | 17.6 | 26.4 |
| 153 | 19.9 | 9.7 | 14.5# |




**Instrument :**
BNA_M
**ClientSampleId :**
A4HT2

**Manual Integrations APPROVED**
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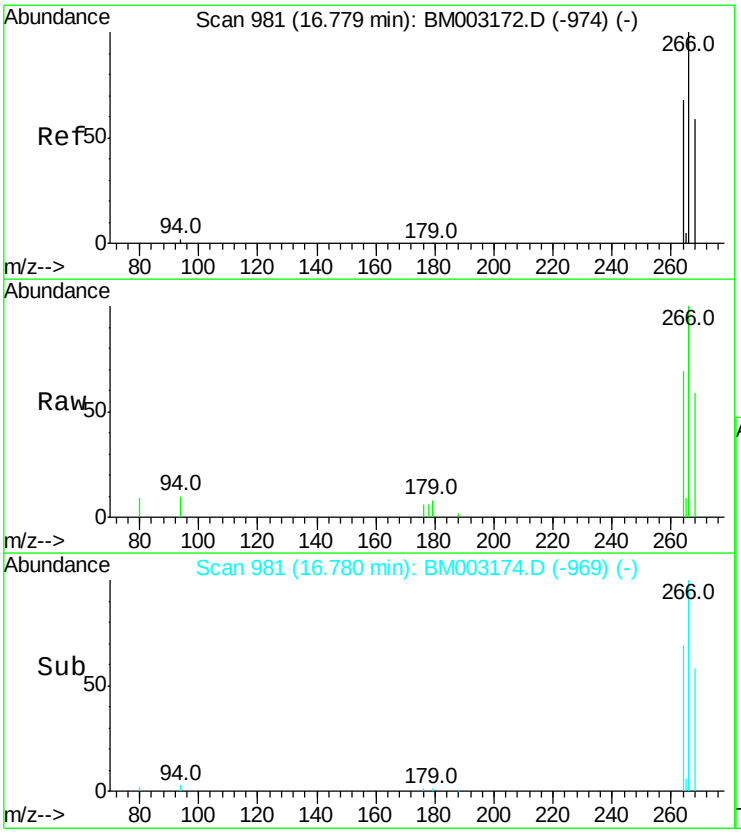
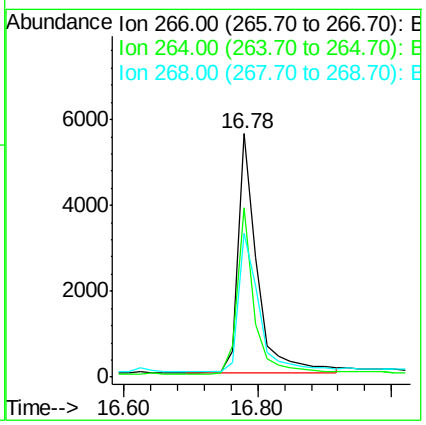
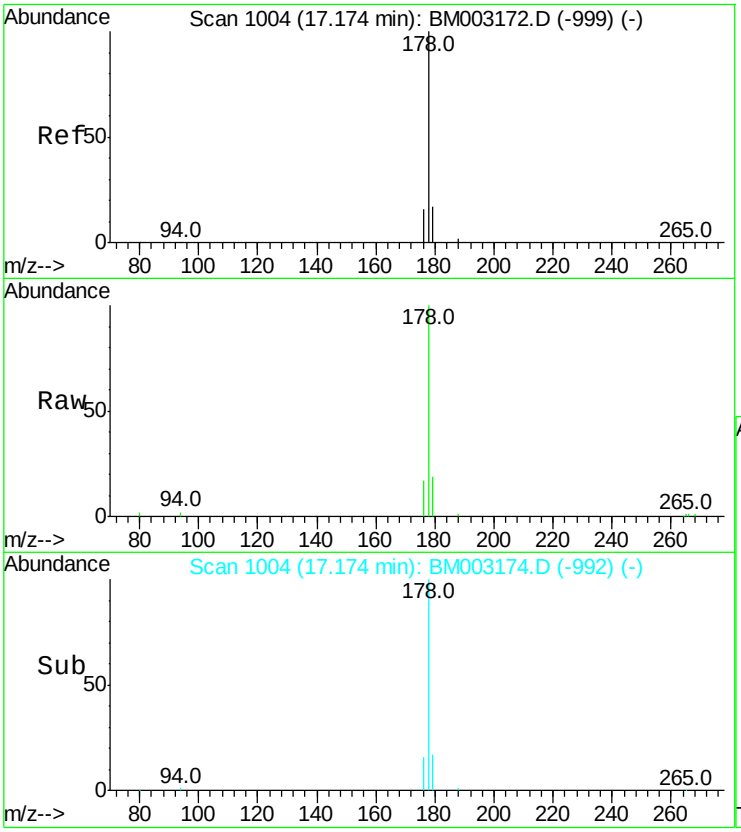



#13
Pentachlorophenol
Concen: 0.28 ng/ul
RT: 16.78 min Scan# 981
Delta R.T. 0.00 min
Lab File: BM003174.D
Acq: 18 Nov 2015 23:35

Tgt Ion:266 Resp: 10973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 63.2 | 0.3 | 0.5# |
| 268 | 62.9 | 0.0 | 0.0# |

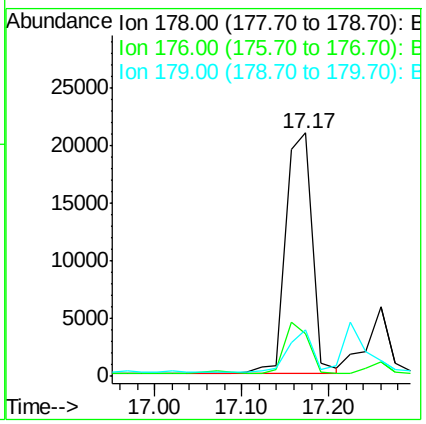





#14
Phenanthrene
Concen: 0.09 ng/ul
RT: 17.17 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BM003174.D
Acq: 18 Nov 2015 23:35

Tgt Ion:178 Resp: 44296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 17.4 | 13.0 | 19.4 |
| 179 | 19.0 | 14.2 | 21.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
A4HT2

**Manual Integrations APPROVED**
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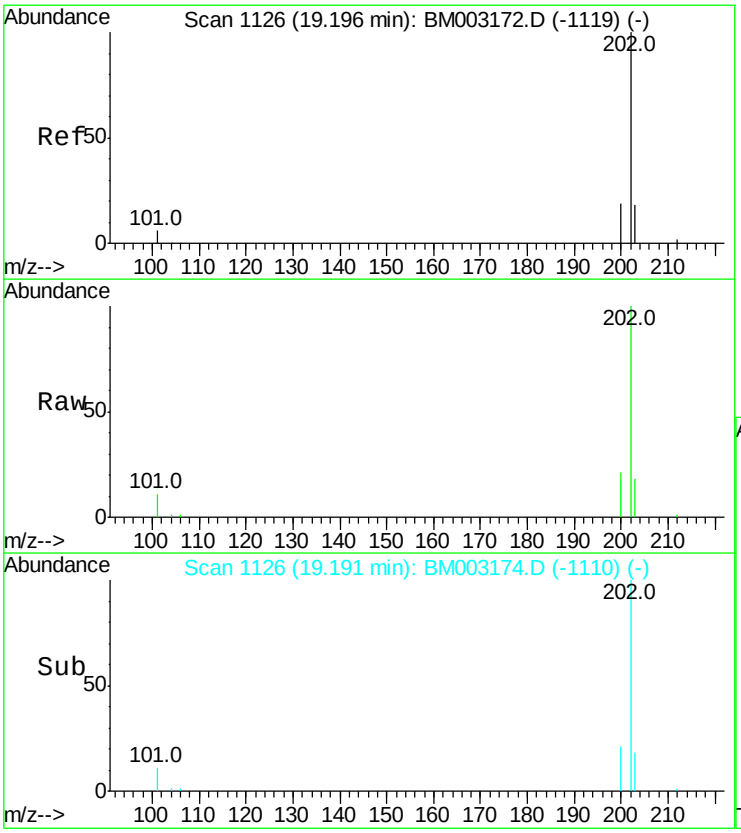
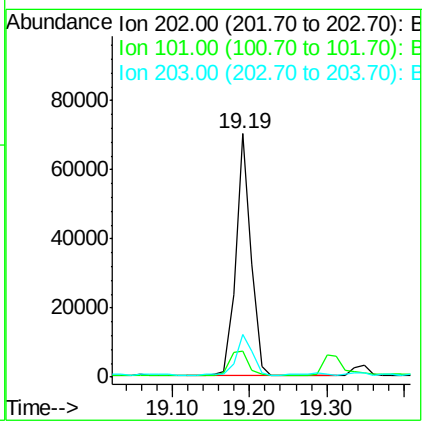
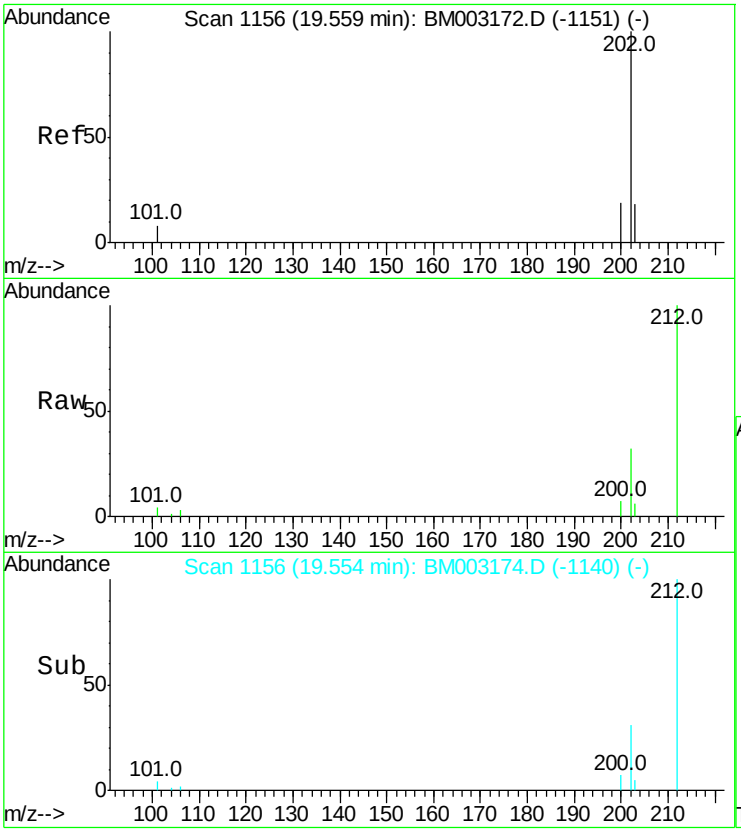



#17
Fluoranthene
Concen: 0.18 ng/ul
RT: 19.19 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BM003174.D
Acq: 18 Nov 2015 23:35

Tgt Ion:202 Resp: 96258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.7 | 0.0 | 29.6 |
| 203 | 17.6 | 0.0 | 36.3 |

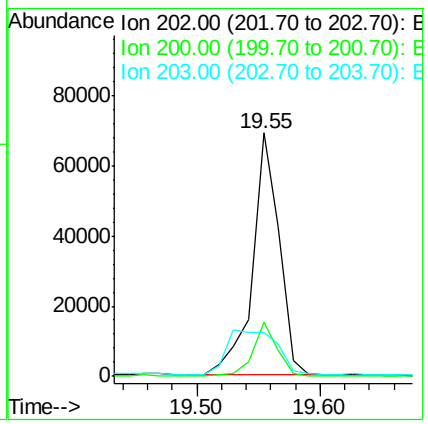





#19
Pyrene
Concen: 0.12 ng/ul
RT: 19.55 min Scan# 1156
Delta R.T. -0.00 min
Lab File: BM003174.D
Acq: 18 Nov 2015 23:35

Tgt Ion:202 Resp: 104145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 22.2 | 17.8 | 26.8 |
| 203 | 18.2 | 12.8 | 19.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
A4HT2

**Manual Integrations APPROVED**
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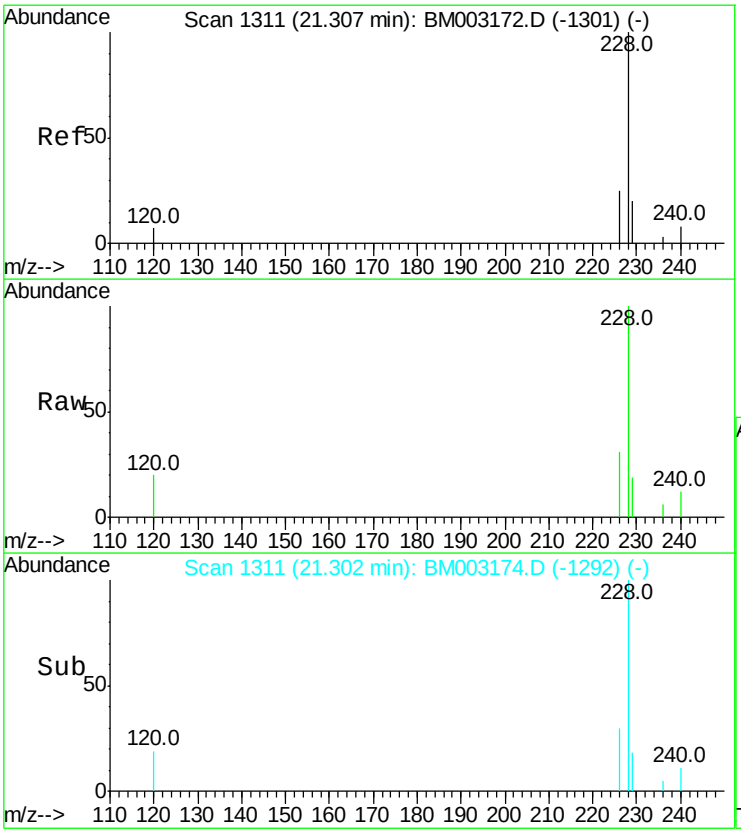
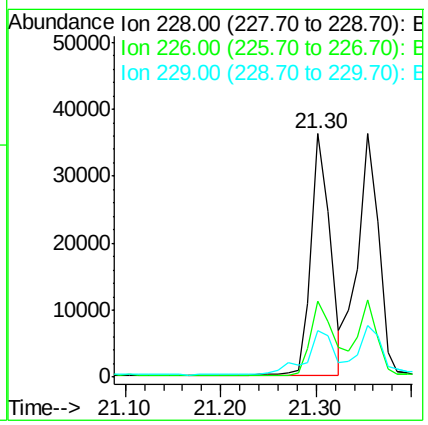
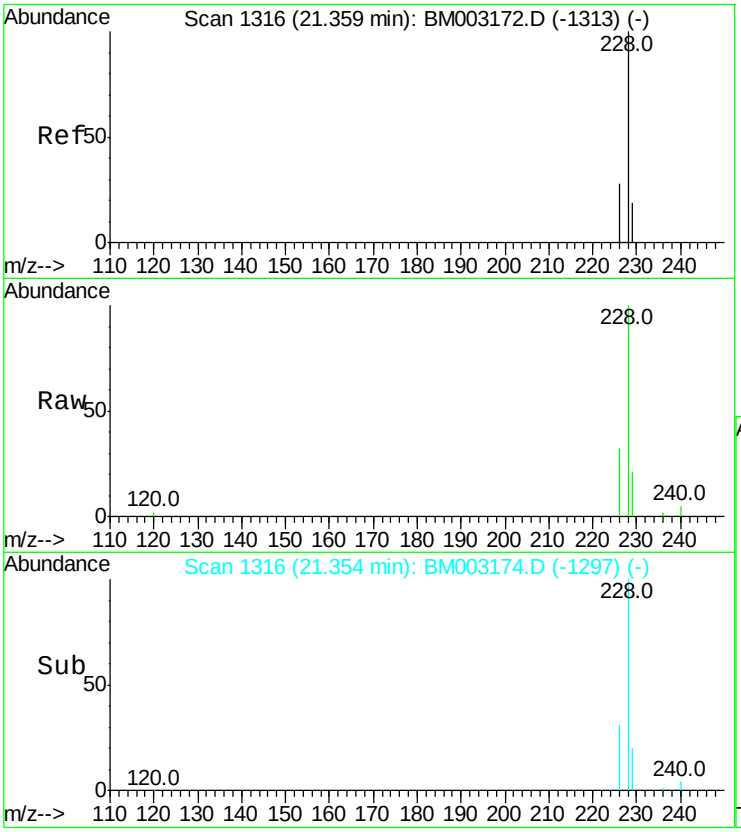



#20
Benzo(a)anthracene
Concen: 0.07 ng/ul
RT: 21.30 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BM003174.D
Acq: 18 Nov 2015 23:35

Tgt Ion:228 Resp: 50297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.1 | 18.8 | 28.2# |
| 229 | 19.3 | 17.1 | 25.7 |

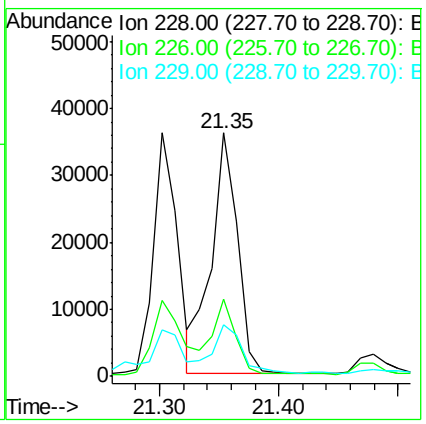





#21
Chrysene
Concen: 0.06 ng/ul
RT: 21.35 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BM003174.D
Acq: 18 Nov 2015 23:35

Tgt Ion:228 Resp: 55519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.7 | 21.2 | 31.8 |
| 229 | 21.2 | 17.0 | 25.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
A4HT2

**Manual Integrations APPROVED**
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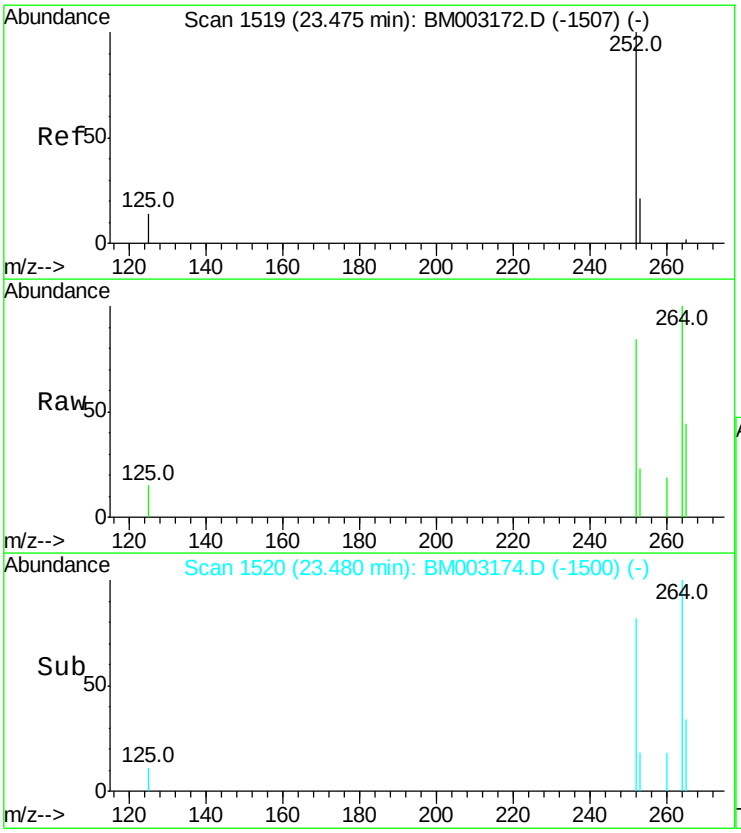
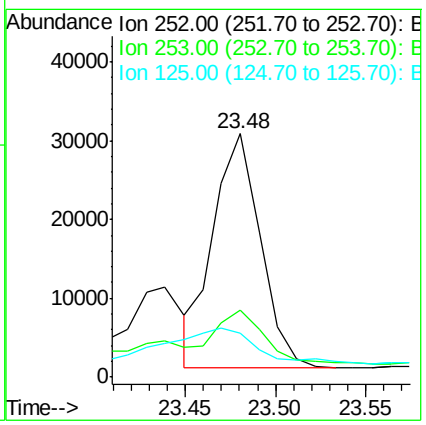
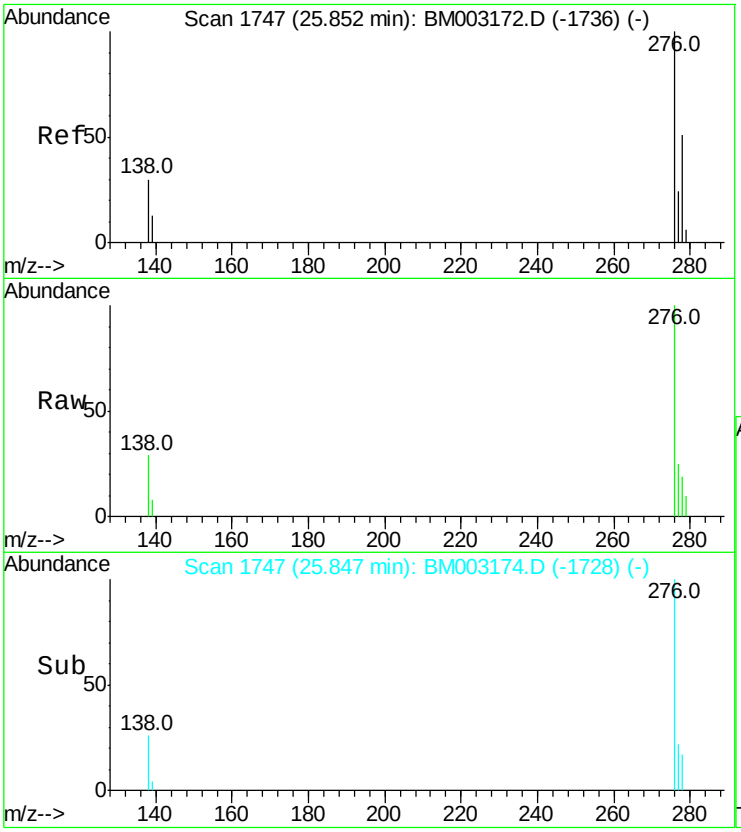



#25
Benzo(a)pyrene
Concen: 0.07 ng/ul m
RT: 23.48 min Scan# 1520
Delta R.T. 0.01 min
Lab File: BM003174.D
Acq: 18 Nov 2015 23:35

Tgt Ion:252 Resp: 54560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 27.7 | 19.4 | 29.2 |
| 125 | 17.8 | 12.7 | 19.1 |






#26
Indeno(1,2,3-cd)pyrene
Concen: 0.04 ng/ul
RT: 25.85 min Scan# 1747
Delta R.T. -0.01 min
Lab File: BM003174.D
Acq: 18 Nov 2015 23:35

Tgt Ion:276 Resp: 38761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.9 | 0.0 | 0.0# |
| 277 | 24.5 | 0.0 | 0.0# |

**Instrument :**
BNA_M
**ClientSampleId :**
A4HT2

**Manual Integrations APPROVED**
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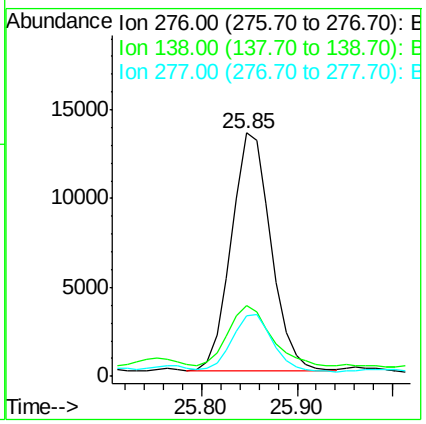
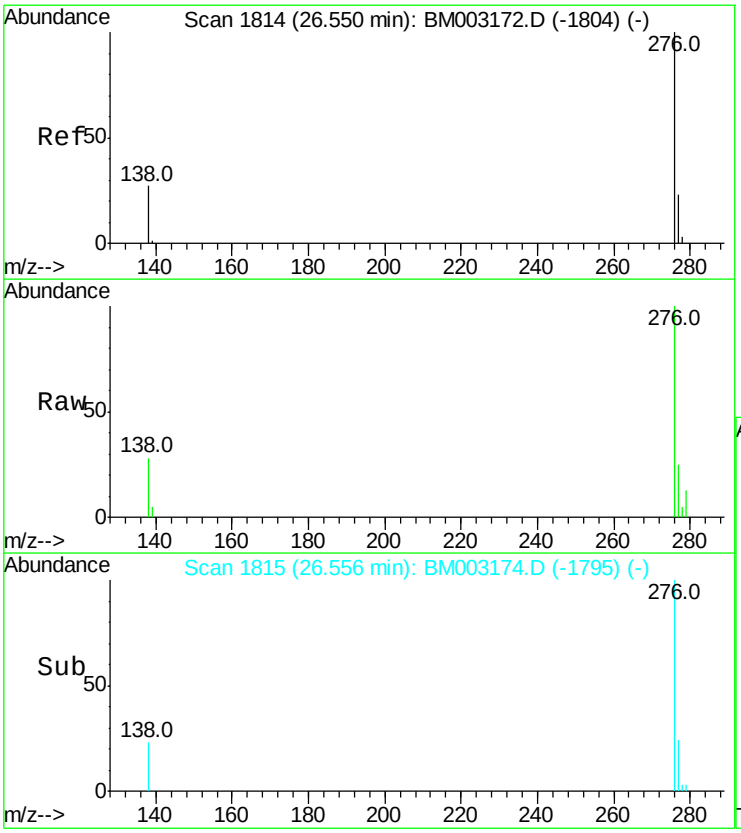
11/19/2015 6:42:49 PM




#28
Benzo(g,h,i)perylene
Concen: 0.05 ng/ul
RT: 26.56 min Scan# 1815
Delta R.T. 0.01 min
Lab File: BM003174.D
Acq: 18 Nov 2015 23:35

Tgt Ion:276 Resp: 40462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.5 | 18.9 | 28.3 |
| 138 | 28.5 | 22.5 | 33.7 |