Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008237.D
Acq On : 10 Dec 2016 18:05
Operator : UM/SJ
Sample : H5905-17
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DA816

**Manual Integrations APPROVED**
UMANGI
12/12/2016 6:50:25 PM

Quant Time: Dec 12 03:51:19 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 02:45:24 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.70 | 152 | 649 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.46 | 136 | 2220 | 0.40 | ng/ul | -0.01 |
| 6) Acenaphthene-d10 | 14.31 | 164 | 1478 | 0.40 | ng/ul | -0.02 |
| 10) Phenanthrene-d10 | 17.07 | 188 | 2344 | 0.40 | ng/ul | -0.02 |
| 16) Chrysene-d12 | 21.28 | 240 | 1803 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.51 | 264 | 1813 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.05 | 152 | 845 | 0.27 | ng/ul | -0.03 |
| 14) Fluoranthene-d10 | 19.12 | 212 | 1159m | 0.17 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.51 | 128 | 5978 | 0.96 | ng/ul | 96 |
| 5) 2-Methylnaphthalene | 12.12 | 142 | 13105 | 3.27 | ng/ul | 99 |
| 8) Acenaphthene | 14.38 | 153 | 871 | 0.17 | ng/ul | 96 |
| 9) Fluorene | 15.38 | 166 | 2596 | 0.44 | ng/ul# | 87 |
| 12) Phenanthrene | 17.11 | 178 | 1045 | 0.14 | ng/ul# | 83 |

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

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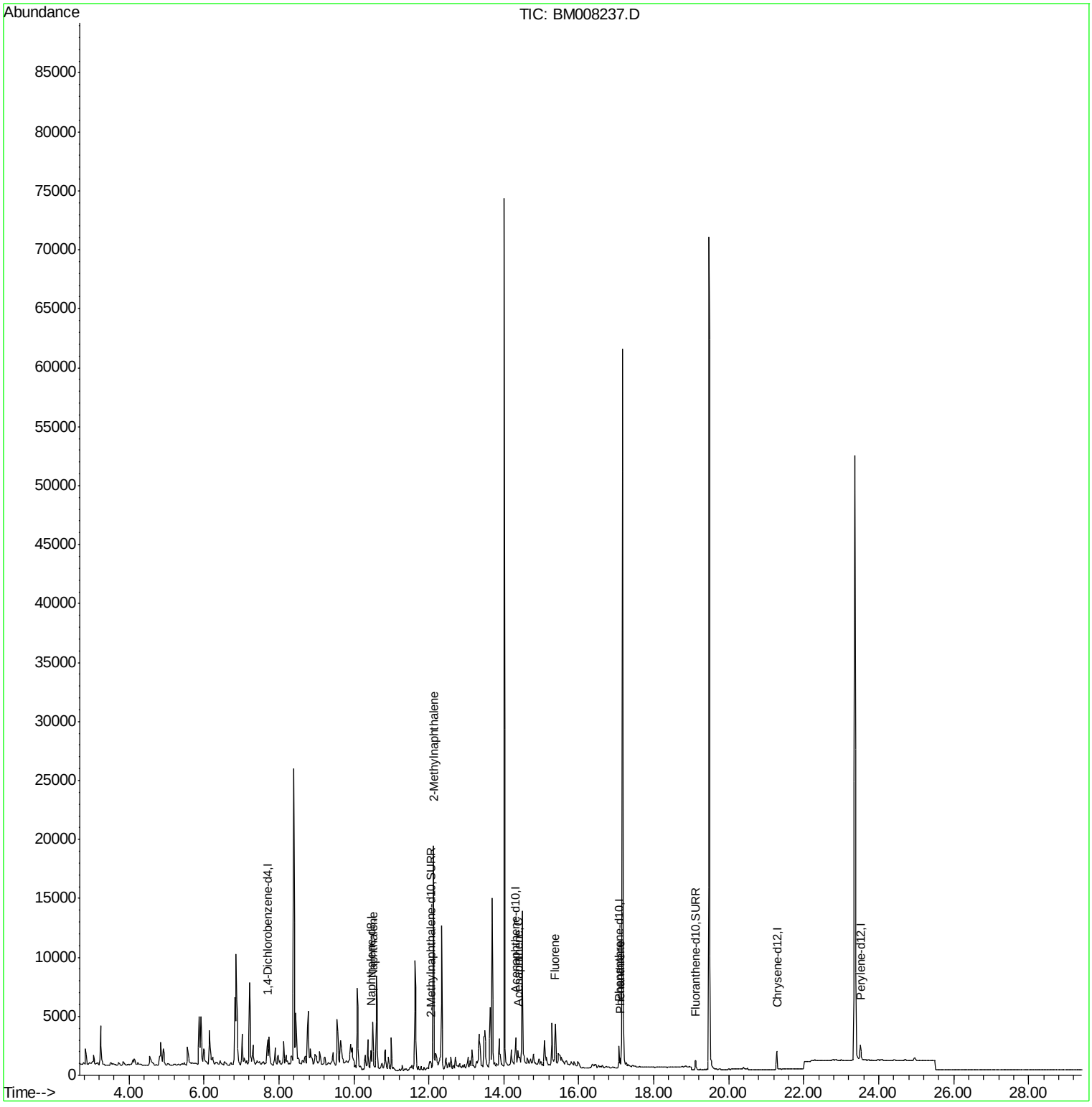
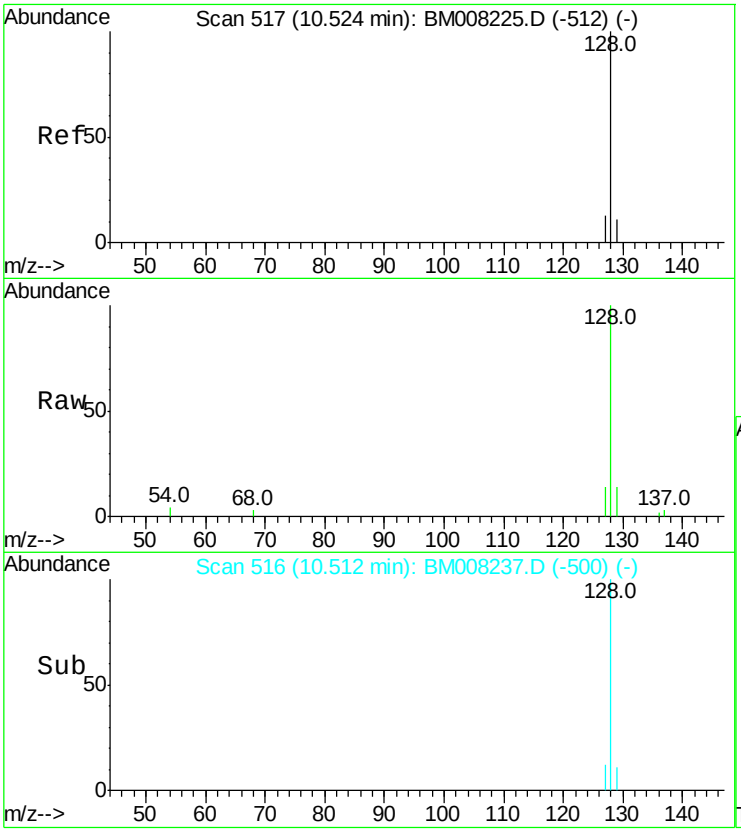
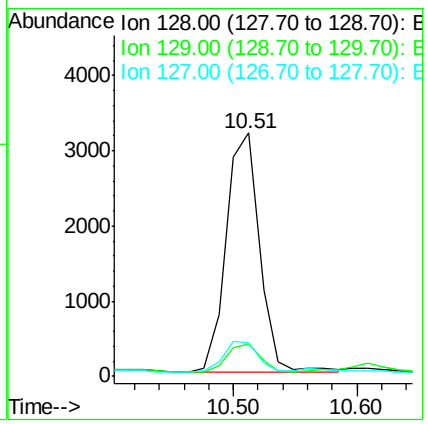





#3
Naphthalene
Concen: 0.96 ng/ul
RT: 10.51 min Scan# 516
Delta R.T. -0.01 min
Lab File: BM008237.D
Acq: 10 Dec 2016 18:05

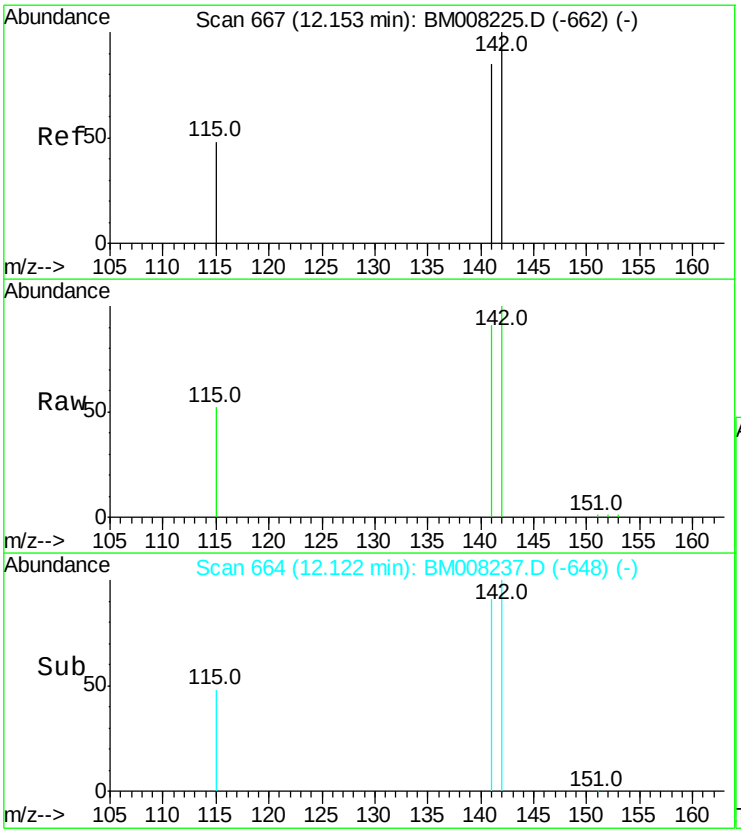
Tgt Ion:128 Resp: 5978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 13.5 | 11.3 | 16.9 |
| 127 | 13.7 | 12.8 | 19.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
DA816

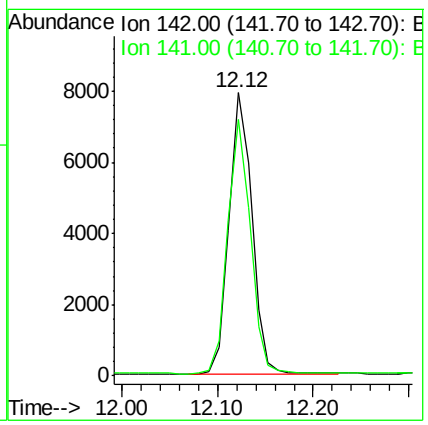
**Manual Integrations APPROVED**
UMANGI
12/12/2016 6:50:25 PM

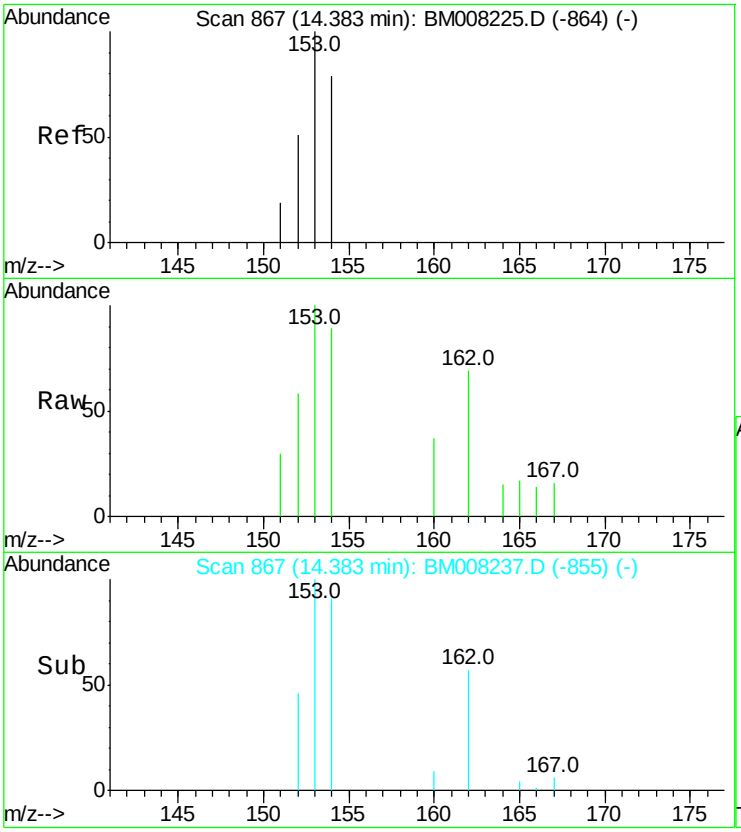



#5
2-Methylnaphthalene
Concen: 3.27 ng/ul
RT: 12.12 min Scan# 664
Delta R.T. -0.03 min
Lab File: BM008237.D
Acq: 10 Dec 2016 18:05

Tgt Ion:142 Resp: 13105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.1 | 72.6 | 108.8 |

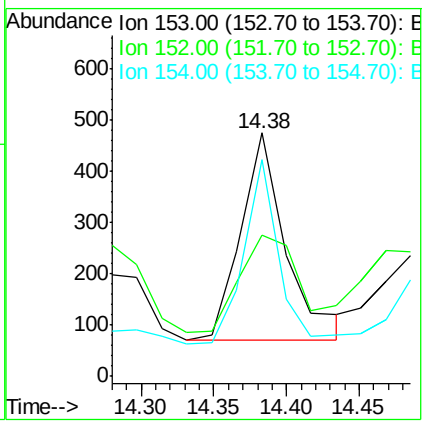





#8
Acenaphthene
Concen: 0.17 ng/ul
RT: 14.38 min Scan# 867
Delta R.T. 0.00 min
Lab File: BM008237.D
Acq: 10 Dec 2016 18:05

Tgt Ion:153 Resp: 871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 58.2 | 40.3 | 60.5 |
| 154 | 89.0 | 71.4 | 107.2 |

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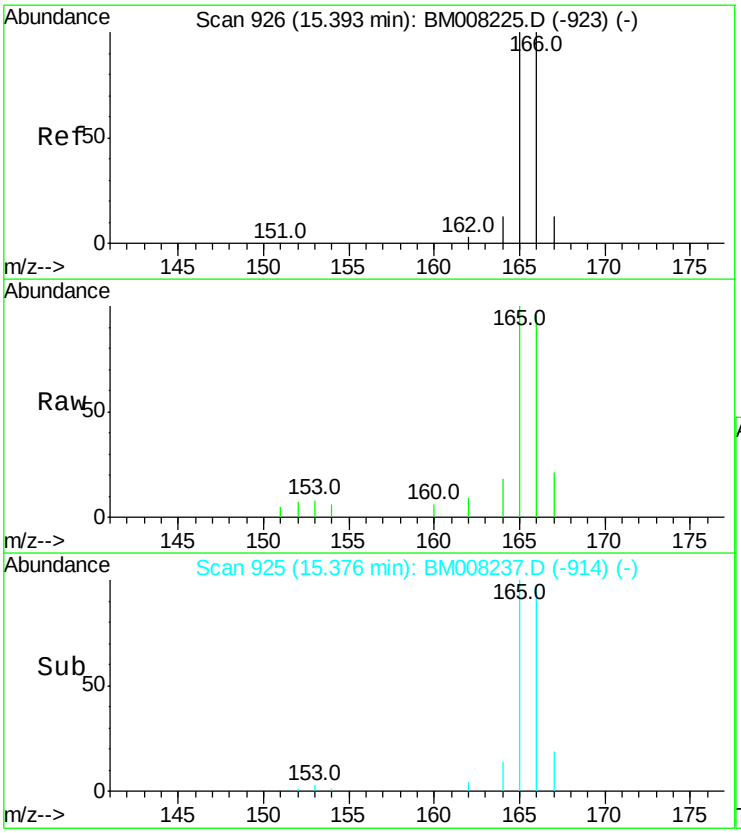
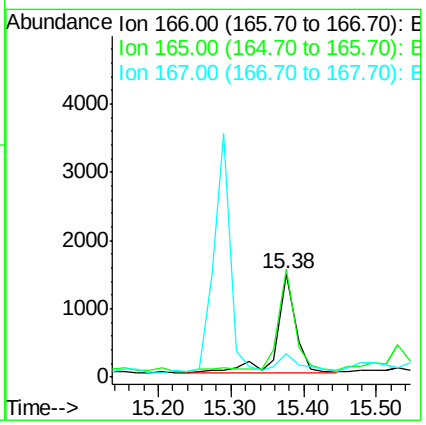
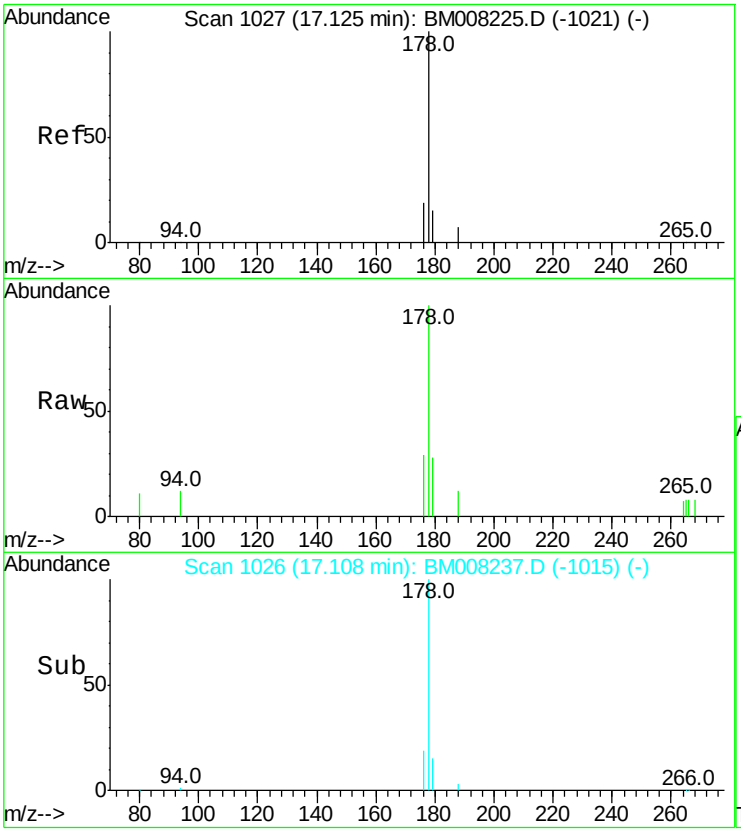



#9
Fluorene
Concen: 0.44 ng/ul
RT: 15.38 min Scan# 925
Delta R.T. -0.02 min
Lab File: BM008237.D
Acq: 10 Dec 2016 18:05

Tgt Ion:166 Resp: 2596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 104.7 | 73.4 | 110.2 |
| 167 | 22.4 | 14.6 | 22.0# |

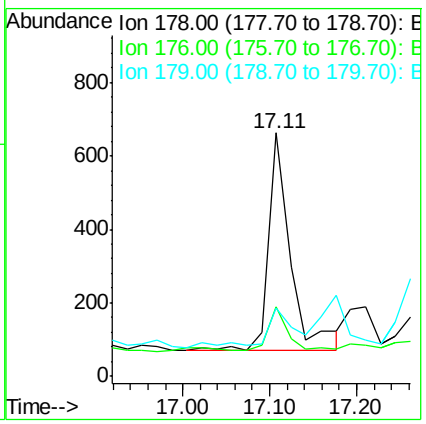





#12
Phenanthrene
Concen: 0.14 ng/ul
RT: 17.11 min Scan# 1026
Delta R.T. -0.02 min
Lab File: BM008237.D
Acq: 10 Dec 2016 18:05

Tgt Ion:178 Resp: 1045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 28.7 | 18.4 | 27.6# |
| 179 | 27.9 | 13.6 | 20.4# |

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BNA_M
**ClientSampleId :**
DA816

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