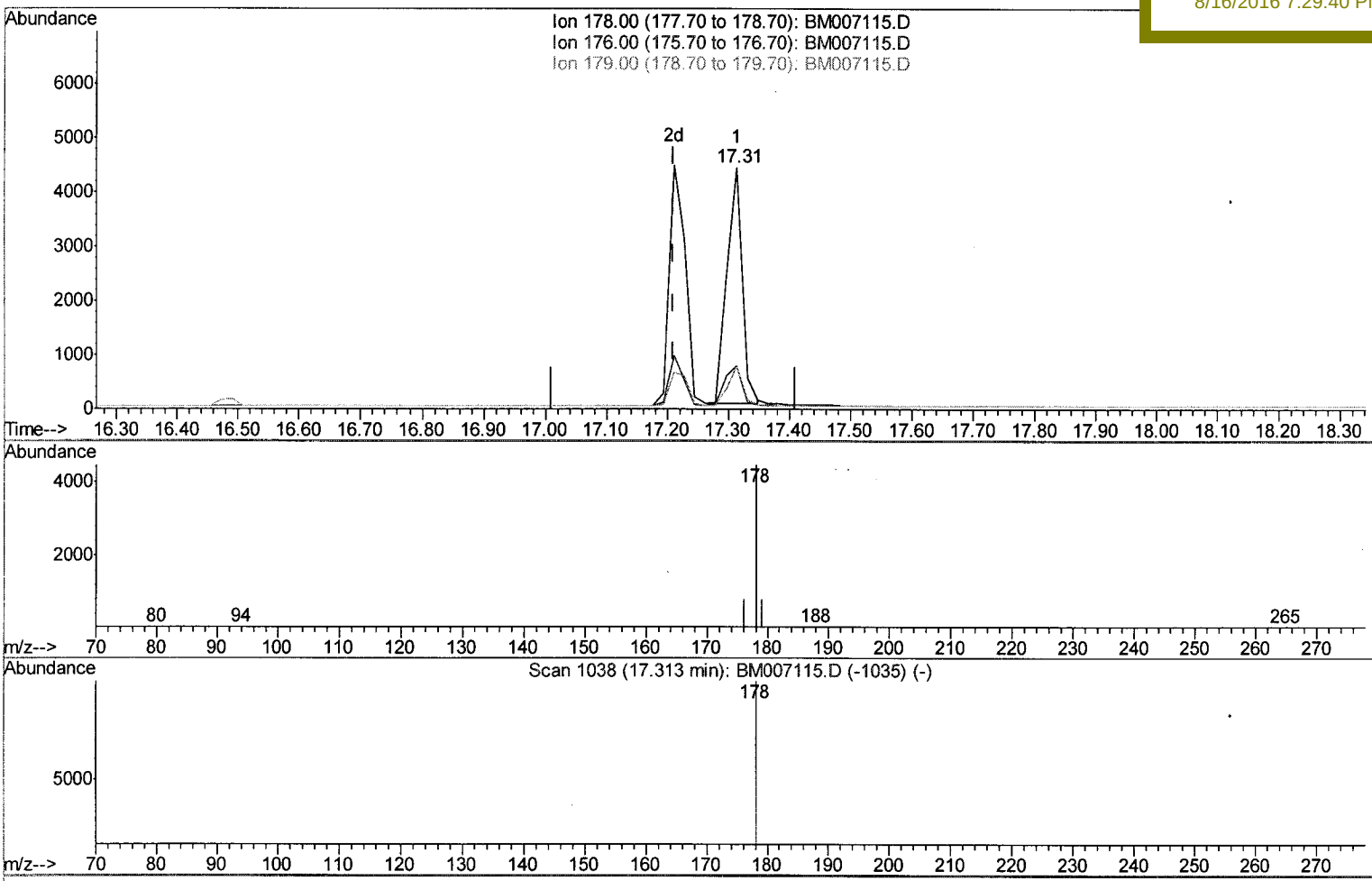
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081516\
Data File : BM007115.D
Acq On : 15 Aug 2016 13:11
Operator : UM/SJ
Sample : SSTD0.436
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 15 15:00:27 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM081516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 15 14:59:57 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD0.436

**Manual Integrations APPROVED**
umangi
8/16/2016 7:29:40 PM










TIC: BM007115.D

(12) Phenanthrene

17.313min (+0.103) 0.39ng/ul

response 7493

| Ion | Exp% | Act% |
|---|---|---|
| 178.00 | 100 | 100 |
| 176.00 | 16.20 | 17.80 |
| 179.00 | 17.70 | 17.87 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081516\
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Acq On : 15 Aug 2016 13:11
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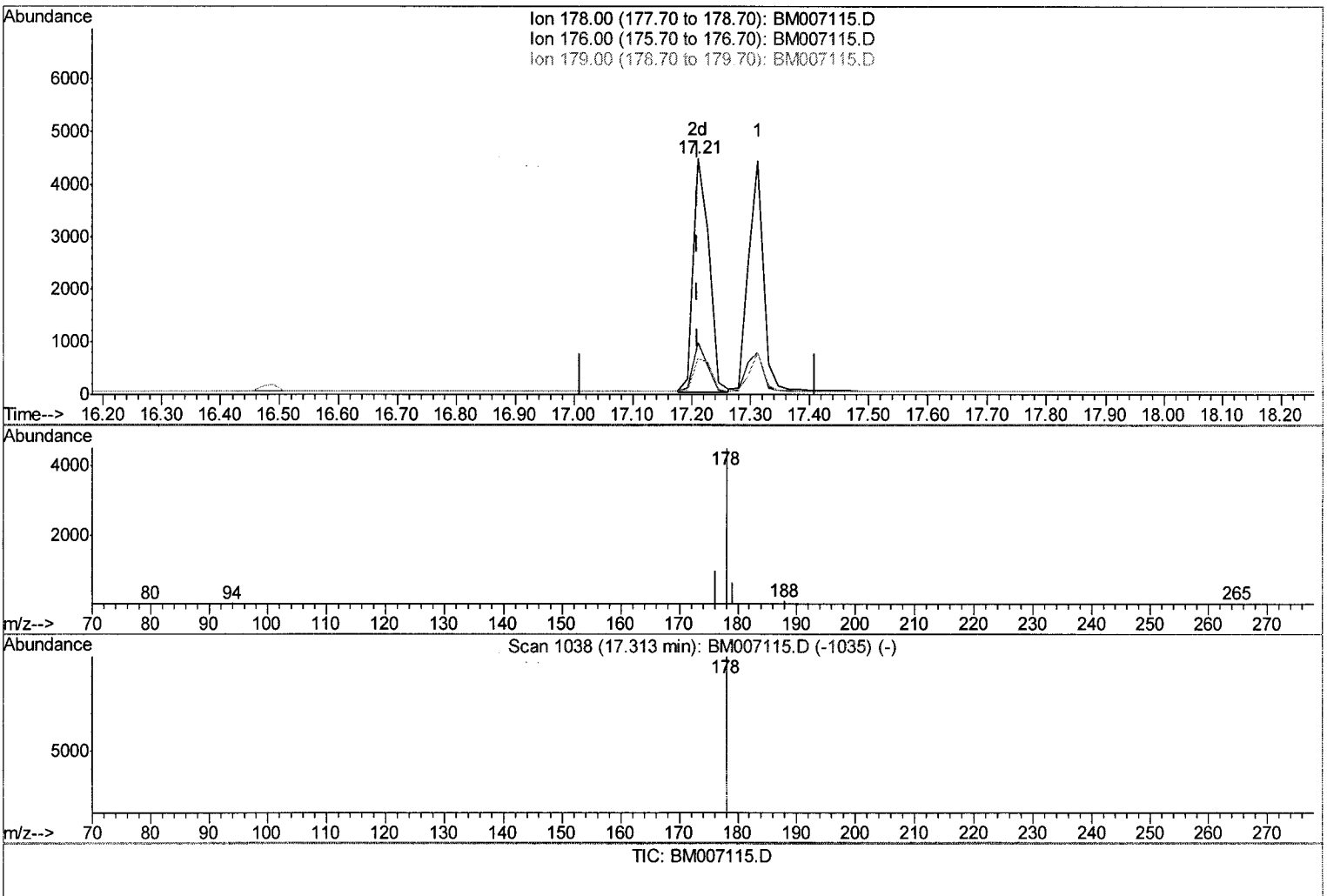
**Instrument :**
BNA_M
**ClientSampleId :**
SSTD0.436

**Manual Integrations APPROVED**
umangi
8/16/2016 7:29:40 PM







TIC: BM007115.D

(12) Phenanthrene

17.210min (0.000) 0.43ng/ul m U.M 08/17/16

response 8267

| Ion | Exp% | Act% |
|---|---|---|
| 178.00 | 100 | 100 |
| 176.00 | 16.20 | 22.03# |
| 179.00 | 17.70 | 14.82 |
| 0.00 | 0.00 | 0.00 |

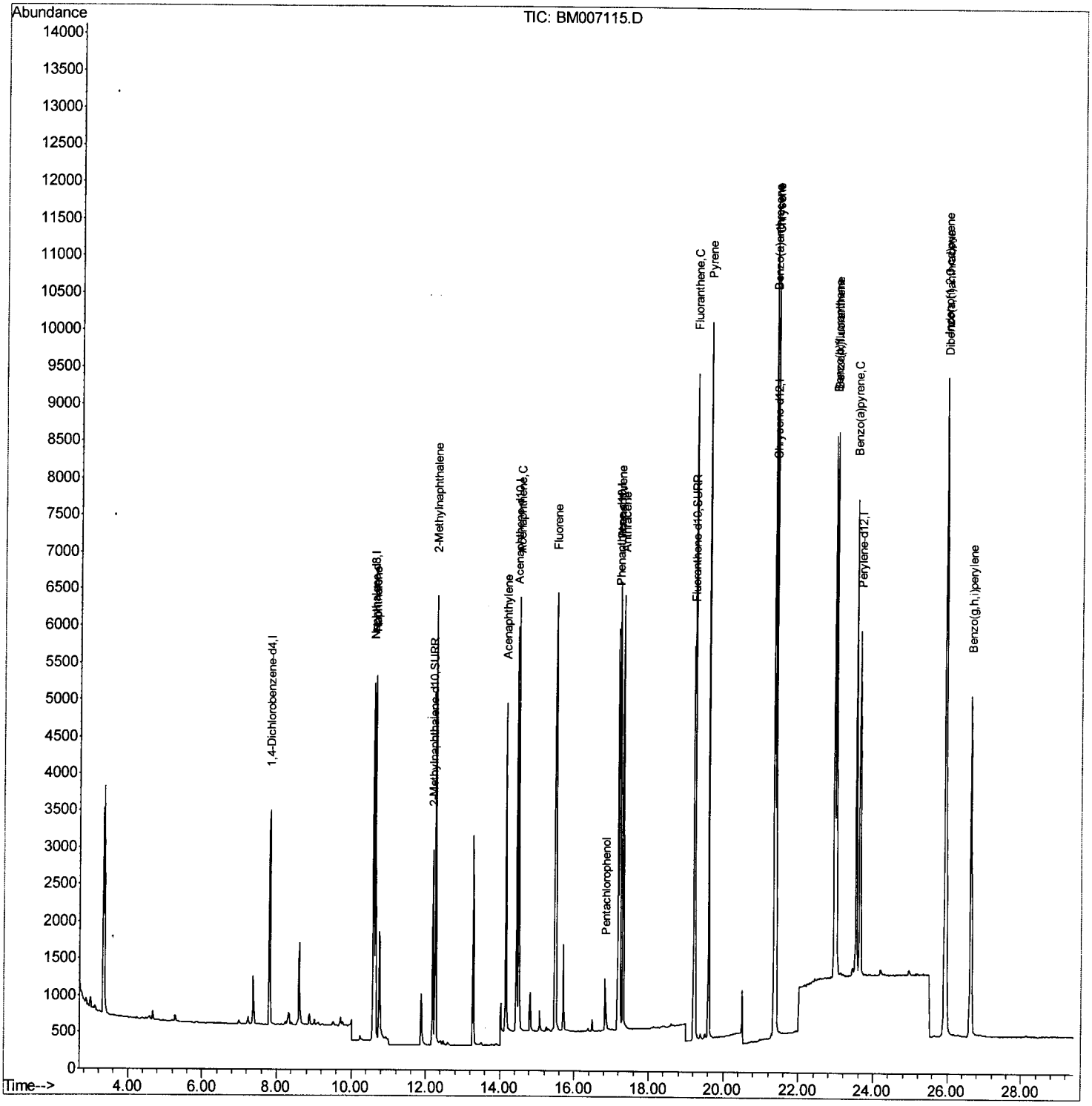
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081516\
Data File : BM007115.D
Acq On : 15 Aug 2016 13:11
Operator : UM/SJ
Sample : SSTD0.436
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 15 15:02:29 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM081516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 15 14:59:57 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD0.436

**Manual Integrations APPROVED**
umangi
8/16/2016 7:29:40 PM



Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081516\
Data File : BM007115.D
Acq On : 15 Aug 2016 13:11
Operator : UM/SJ
Sample : SSTD0.436
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 15 15:02:29 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM081516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 15 14:59:57 2016
Response via : Initial Calibration

**Instrument :** BNA_M
**ClientSampleId :** SSTD0.436

**Manual Integrations APPROVED**
umangi
8/16/2016 7:29:40 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.82 | 152 | 1861 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.60 | 136 | 6681 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.43 | 164 | 3183 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.18 | 188 | 6853 | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.37 | 240 | 6703 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.64 | 264 | 6601 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.18 | 152 | 3444 | 0.41 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.21 | 212 | 6532 | 0.36 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.65 | 128 | 6895 | 0.41 | ng/ul | 97 |
| 5) 2-Methylnaphthalene | 12.26 | 142 | 4613 | 0.40 | ng/ul | 99 |
| 7) Acenaphthylene | 14.14 | 152 | 7149 | 0.39 | ng/ul | 98 |
| 8) Acenaphthene | 14.50 | 153 | 4642 | 0.42 | ng/ul | 99 |
| 9) Fluorene | 15.50 | 166 | 5201 | 0.40 | ng/ul | 98 |
| 11) Pentachlorophenol | 16.83 | 266 | 648 | 0.75 | ng/ul | 96 |
| 12) Phenanthrene | 17.21 | 178 | 8267m | 0.43 | ng/ul | |
| 13) Anthracene | 17.31 | 178 | 7805 | 0.43 | ng/ul | 98 |
| 15) Fluoranthene | 19.24 | 202 | 9525 | 0.36 | ng/ul | 94 |
| 17) Pyrene | 19.60 | 202 | 9853 | 0.49 | ng/ul | 94 |
| 18) Benzo(a)anthracene | 21.35 | 228 | 9273 | 0.50 | ng/ul | 96 |
| 19) Chrysene | 21.40 | 228 | 9049 | 0.49 | ng/ul | 96 |
| 21) Benzo(b)fluoranthene | 22.95 | 252 | 10528 | 0.47 | ng/ul | 97 |
| 22) Benzo(k)fluoranthene | 22.99 | 252 | 9081 | 0.42 | ng/ul | 98 |
| 23) Benzo(a)pyrene | 23.53 | 252 | 9333 | 0.45 | ng/ul | 100 |
| 24) Indeno(1,2,3-cd)pyrene | 25.93 | 276 | 11416 | 0.43 | ng/ul# | 94 |
| 25) Dibenzo(a,h)anthracene | 25.94 | 278 | 9113 | 0.46 | ng/ul | 99 |
| 26) Benzo(g,h,i)perylene | 26.63 | 276 | 9680 | 0.46 | ng/ul | 94 |

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

U.M. 08/17/16