

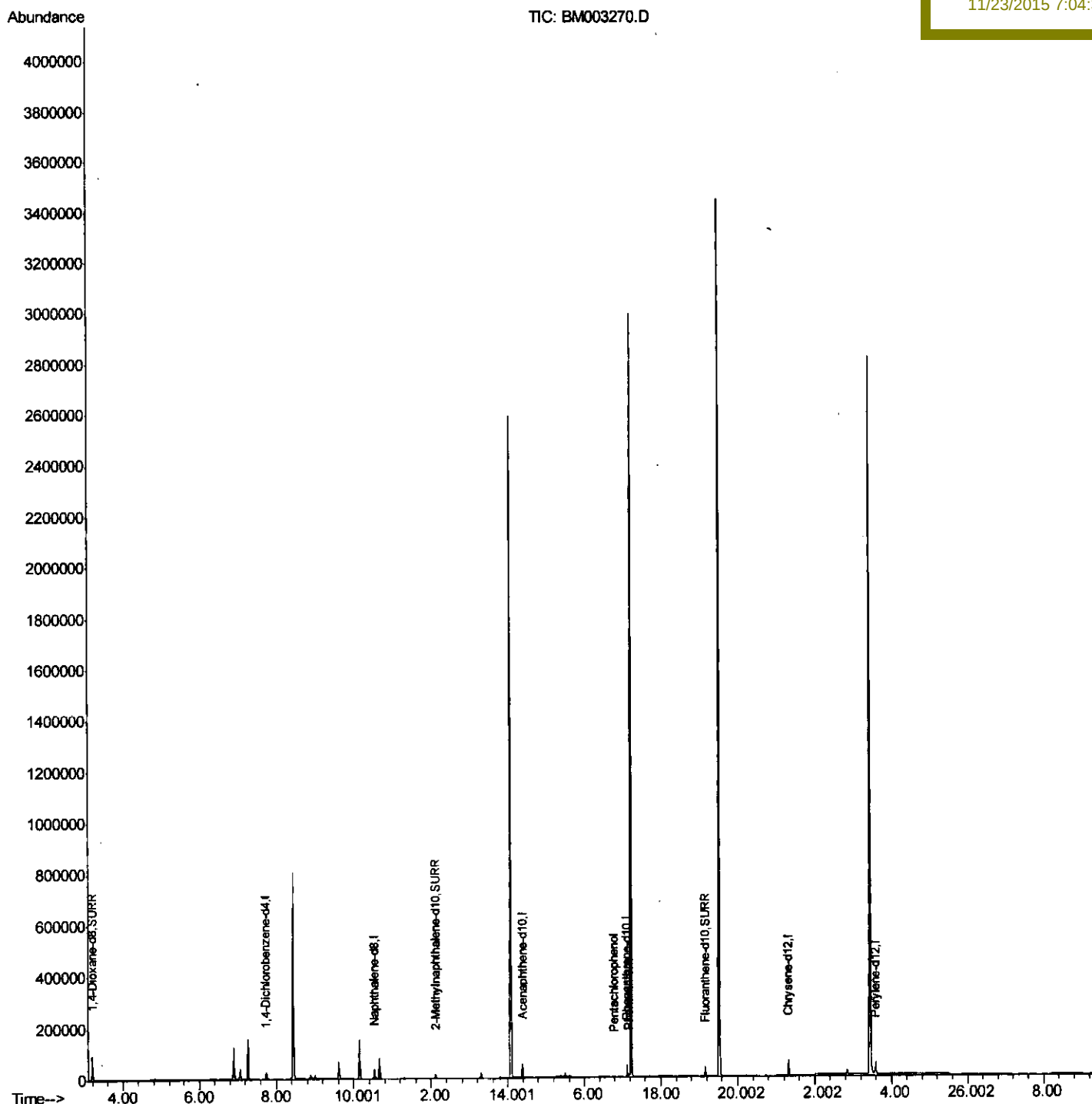
Data Path : V:\HPCHEM1\BNA M\DATA\BM112115\  
Data File : BM003270.D  
Acq On : 22 Nov 2015 04:15  
Operator : UM/IZ  
Sample : G4345-14  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4J56

Quant Time: Nov 23 13:14:29 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 : Sun Nov 22 04:42:03 2015  
Response via : Initial Calibration

Manual Integrations  
APPROVED

Mmdadoda  
11/23/2015 7:04:39 PM



Quantitation Report (Qedit)

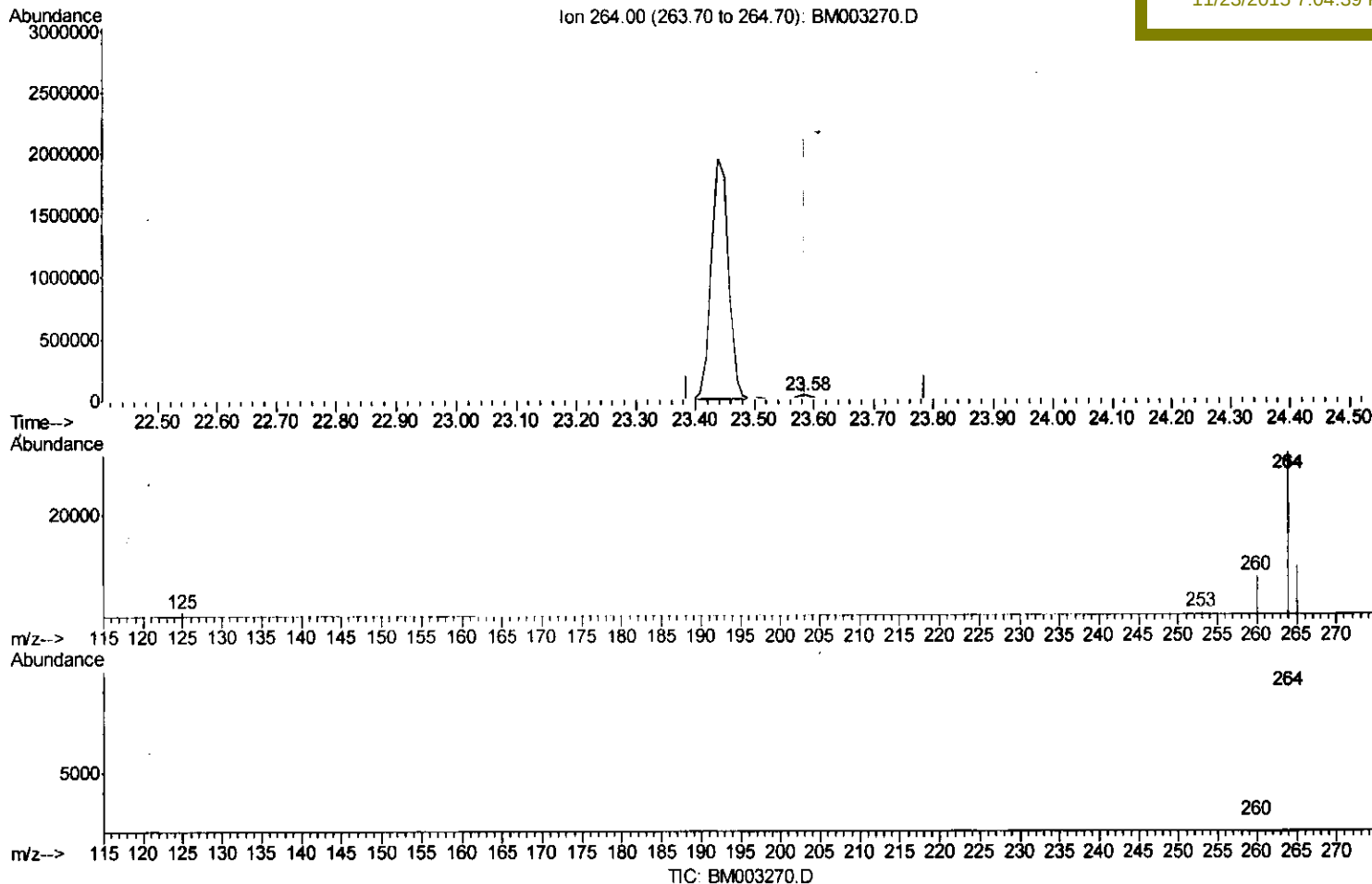
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM112115\  
 Data File : BM003270.D  
 Acq On : 22 Nov 2015 04:15  
 Operator : UM/IZ  
 Sample : G4345-14  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4J56

Manual Integrations  
 APPROVED

Mmdadoda  
 11/23/2015 7:04:39 PM

Quant Time: Nov 22 05:33:15 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 : Sun Nov 22 04:42:03 2015  
 Response via : Initial Calibration



(22) Perylene-d12 (I)

23.585min (-0.000) 0.40ng/ul m

response 50443

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 264.00 | 100   | 100   |
| 260.00 | 25.60 | 25.17 |
| 265.00 | 38.20 | 31.05 |
| 0.00   | 0.00  | 0.00  |

U.M  
 11/25/15

# Quantitation Report (Qedit)

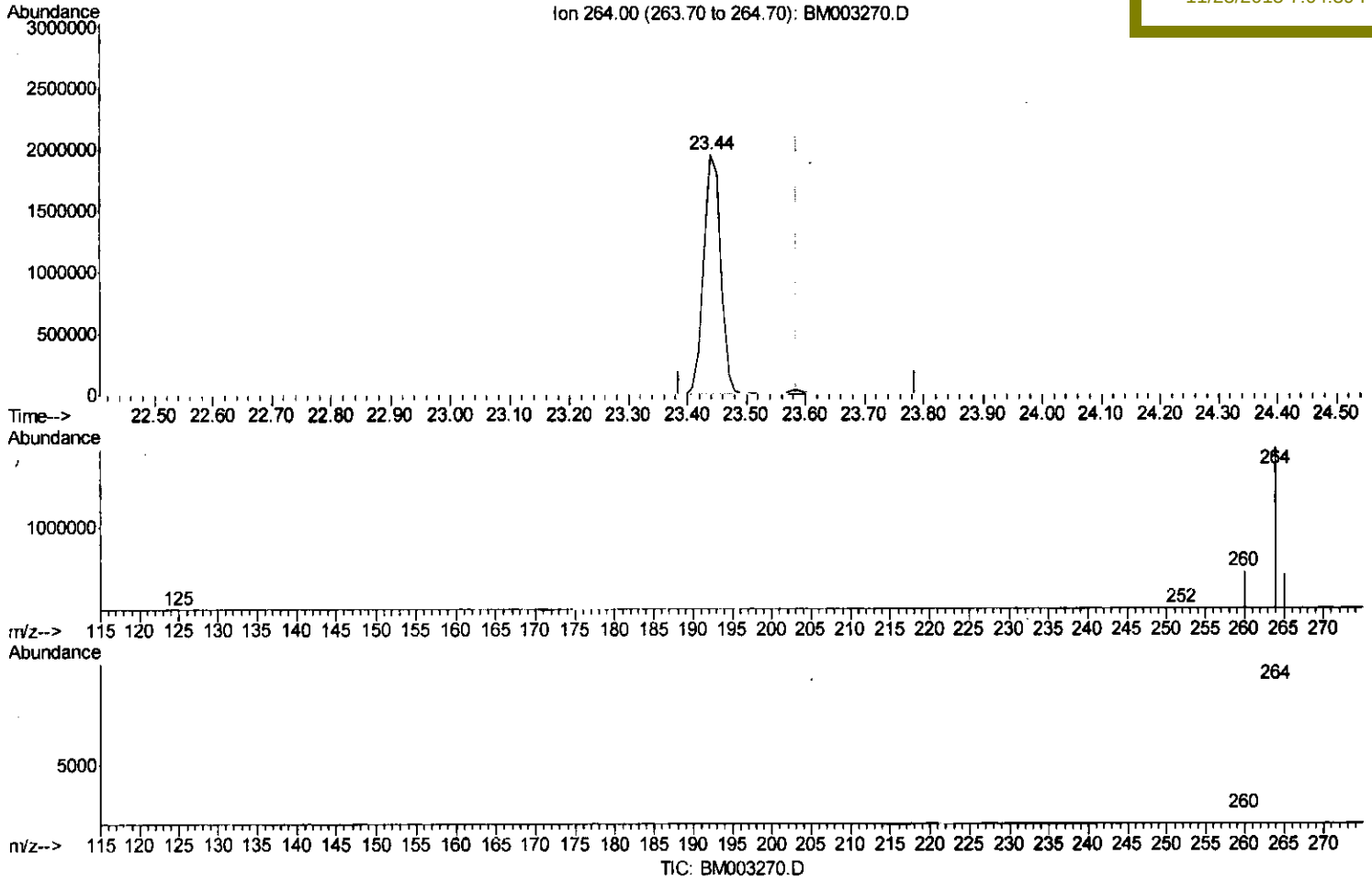
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM112115\  
 Data File : BM003270.D  
 Acq On : 22 Nov 2015 04:15  
 Operator : UM/IZ  
 Sample : G4345-14  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4J56

Quant Time: Nov 22 05:33:15 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 : Sun Nov 22 04:42:03 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Mmdadoda  
 11/23/2015 7:04:39 PM



(22) Perylene-d12 (I)

23.439min (-0.146) 0.40ng/ul

response 3875180

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 264.00 | 100   | 100    |
| 260.00 | 25.60 | 22.76  |
| 265.00 | 38.20 | 21.13# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

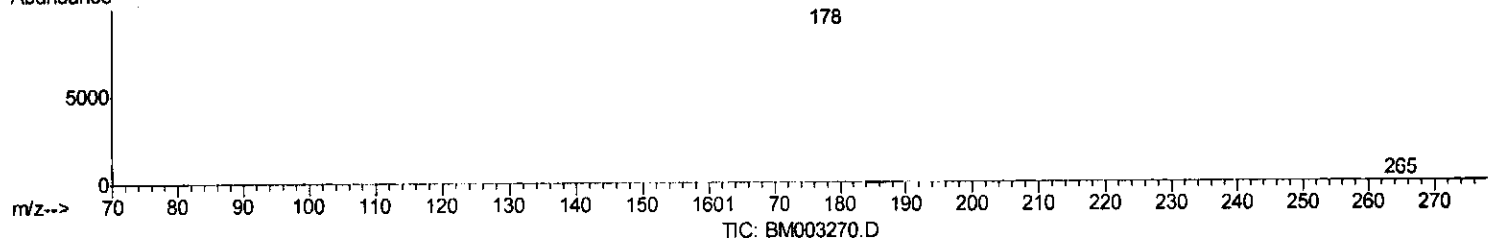
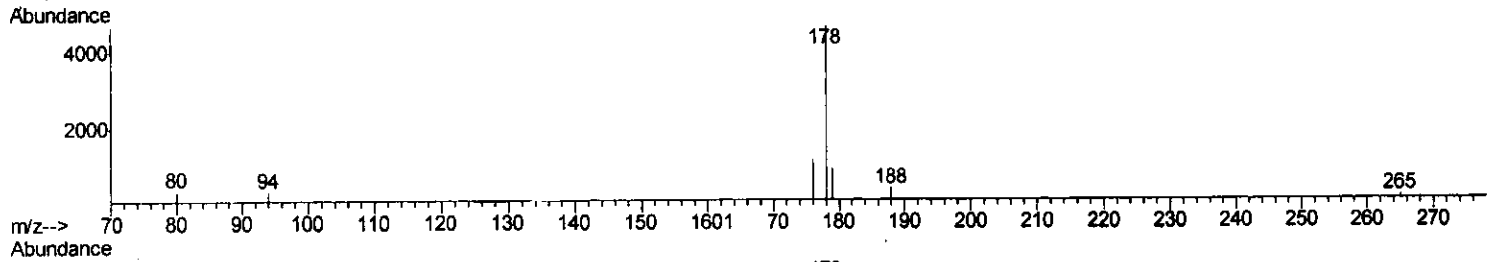
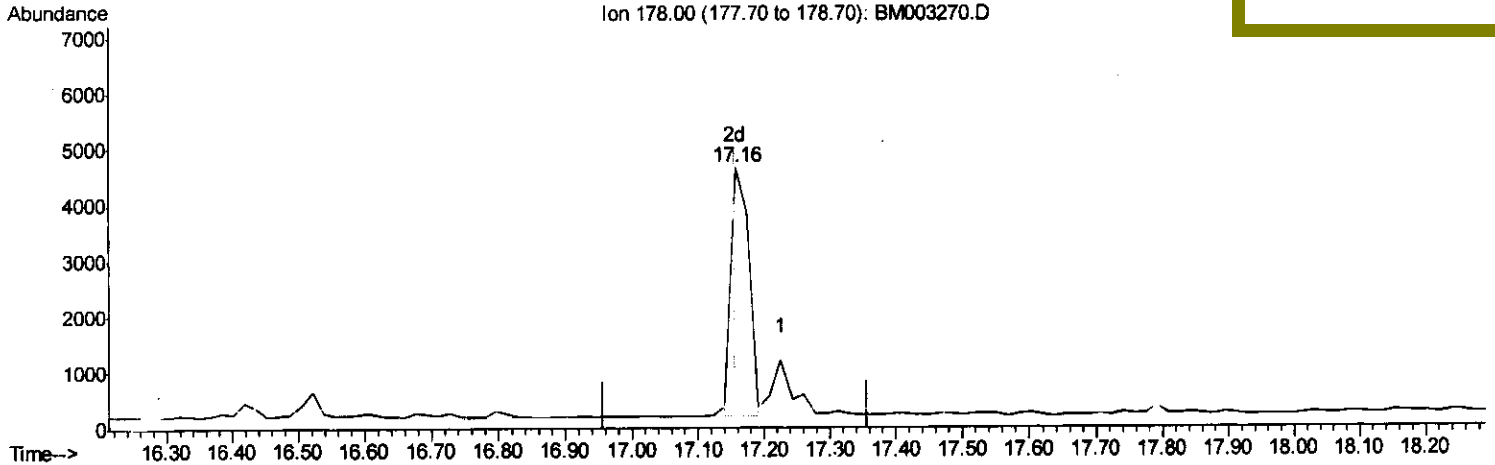
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM112115\  
 Data File : BM003270.D  
 Acq On : 22 Nov 2015 04:15  
 Operator : UM/I2  
 Sample : G4345-14  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4J56

Quant Time: Nov 22 05:33:15 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 : Sun Nov 22 04:42:03 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Mmdadoda  
 11/23/2015 7:04:39 PM



(14) Phenanthrene

17.157min (-0.000) 0.05ng/ul m

response 8478

Ion Exp% Act%

178.00 100 100

176.00 16.20 24.51#

179.00 17.70 19.34

0.00 0.00 0.00

U.M  
 11/25/15

# Quantitation Report (Qedit)

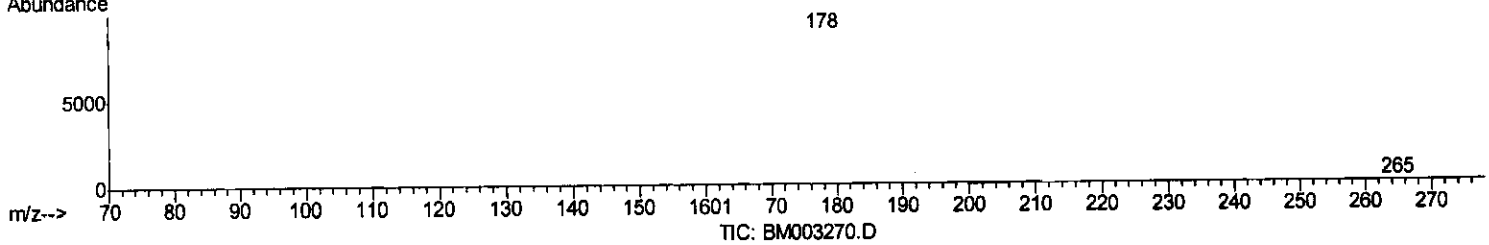
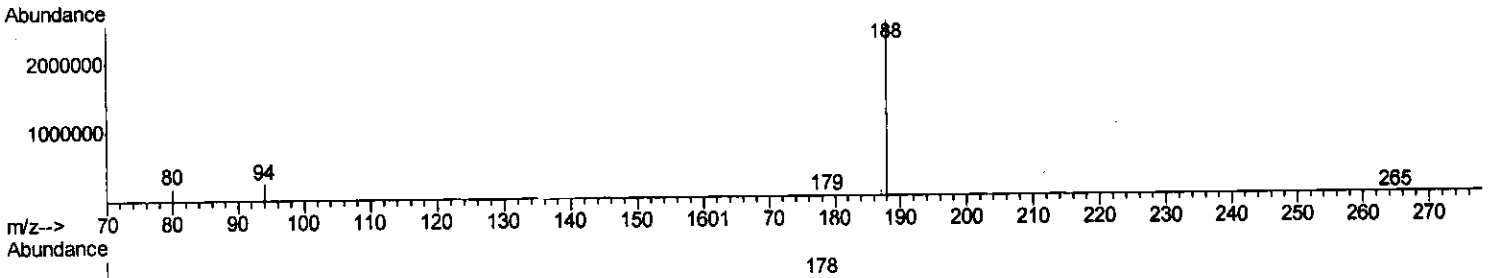
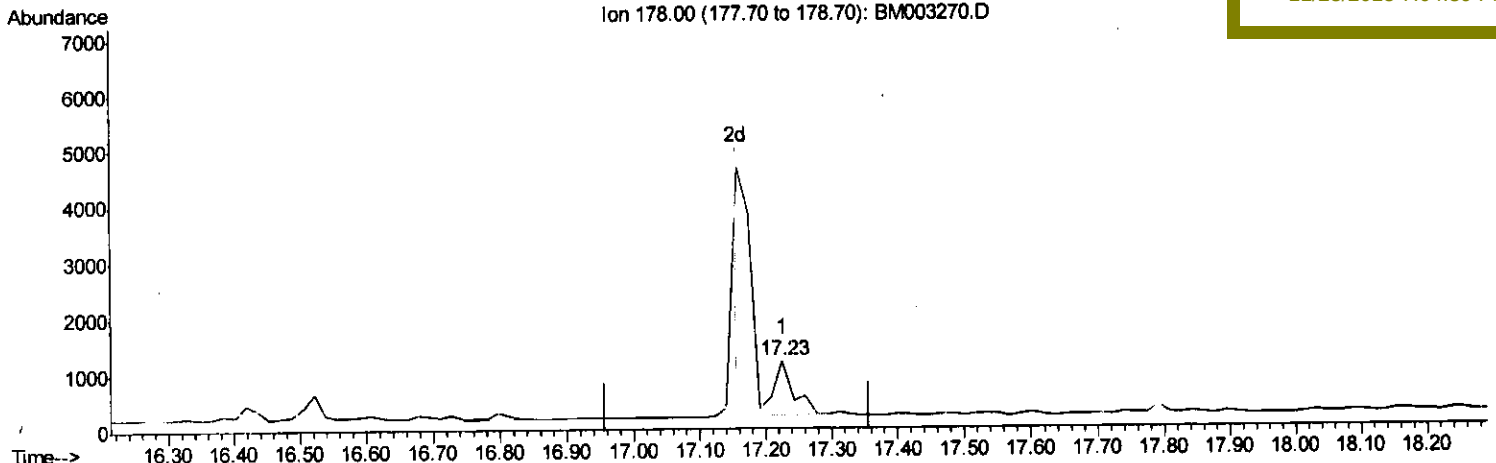
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM112115\  
 Data File : BM003270.D  
 Acq On : 22 Nov 2015 04:15  
 Operator : UM/IZ  
 Sample : G4345-14  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4J56

Quant Time: Nov 22 05:33:15 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 : Sun Nov 22 04:42:03 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Mmdadoda  
 11/23/2015 7:04:39 PM



(14) Phenanthrene

17.226min (+0.069) 0.01ng/ul

response 1663

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 178.00 | 100   | 100     |
| 176.00 | 16.20 | 16.16   |
| 179.00 | 17.70 | 274.41# |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

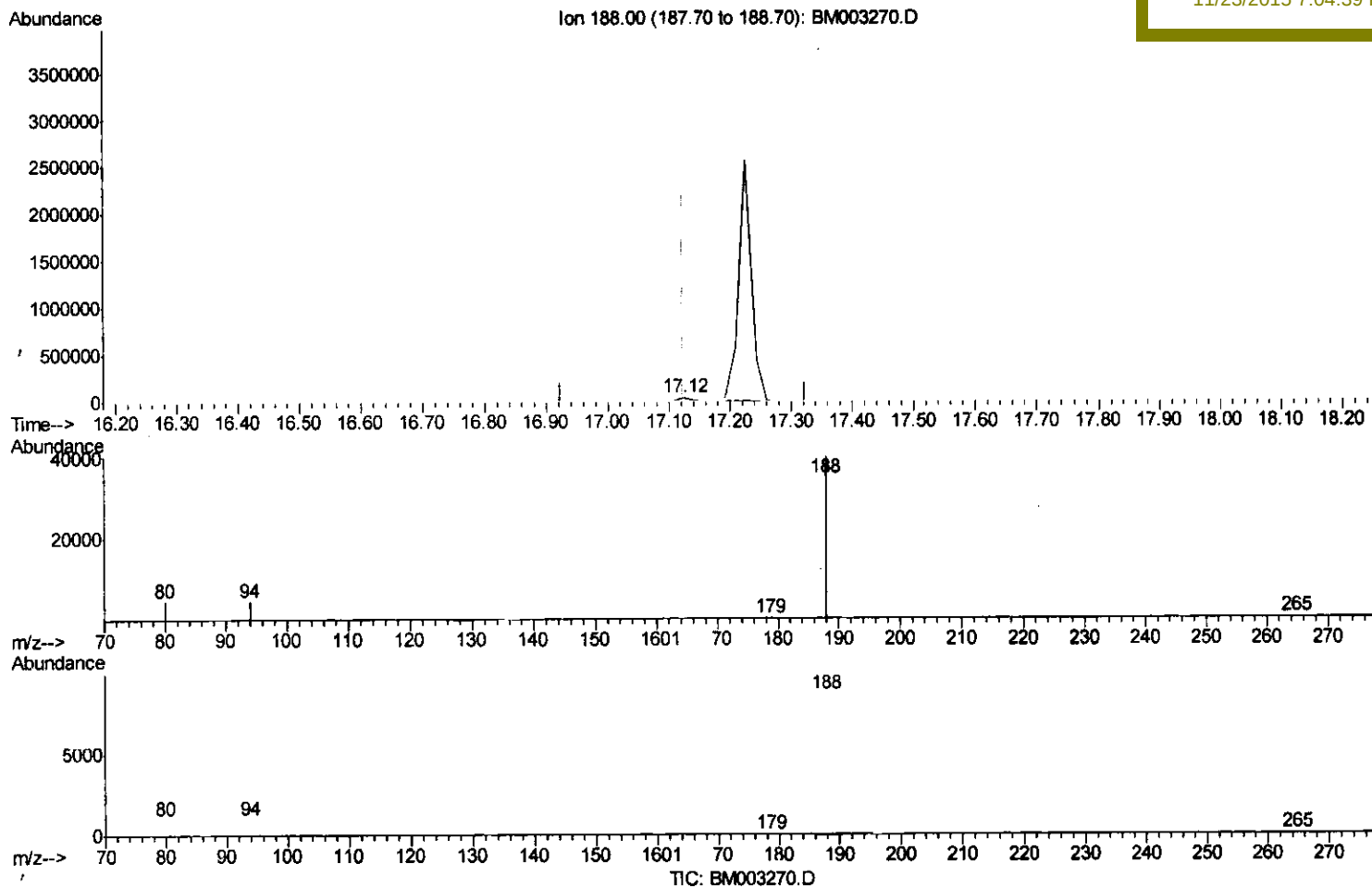
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM112115\  
 Data File : BM003270.D  
 Acq On : 22 Nov 2015 04:15  
 Operator : UM/IZ  
 Sample : G4345-14  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4J56

Quant Time: Nov 22 05:31:59 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 : Sun Nov 22 04:42:03 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Mmdadoda  
 11/23/2015 7:04:39 PM



(12) Phenanthrene-d10 (I)

17.123min (-0.000) 0.40ng/ul m

response 60368

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 11.70 | 11.73 |
| 80.00  | 11.90 | 11.49 |
| 0.00   | 0.00  | 0.00  |

U.M  
 11/25/15

# Quantitation Report (Qedit)

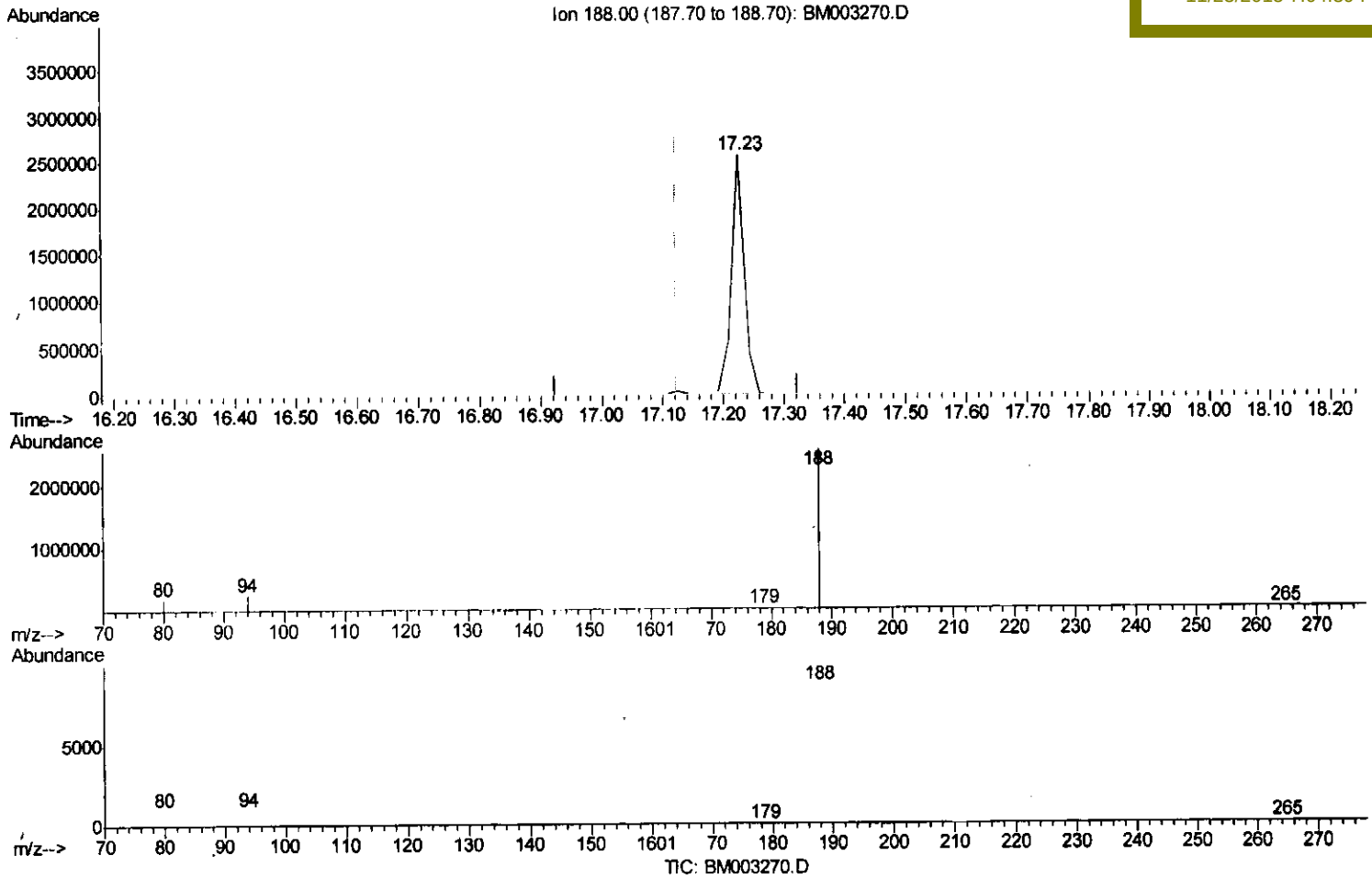
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM112115\  
 Data File : BM003270.D  
 Acq On : 22 Nov 2015 04:15  
 Operator : UM/IZ  
 Sample : G4345-14  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4J56

Quant Time: Nov 22 05:31:59 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 : Sun Nov 22 04:42:03 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Mmdadoda  
 11/23/2015 7:04:39 PM



(12) Phenanthrene-d10 (I)

17.226min (+0.103) 0.40ng/ul

response 3690839

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 11.70 | 9.57  |
| 80.00  | 11.90 | 7.18# |
| 0.00   | 0.00  | 0.00  |

Data Path : V:\HPCHEM1\BNA M\DATA\BM112115\  
Data File : BM003270.D  
Acq On : 22 Nov 2015 04:15  
Operator : UM/I2  
Sample : G4345-14  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4J56

Quant Time: Nov 23 13:14:29 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 : Sun Nov 22 04:42:03 2015  
Response via : Initial Calibration

Manual Integrations  
APPROVED

Mmdadoda  
11/23/2015 7:04:39 PM

| Internal Standards          | R.T.  | QIon | Response | Conc | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.74  | 152  | 13992    | 0.40 | ng/ul | 0.00      |
| 4) Naphthalene-d8           | 10.53 | 136  | 55713    | 0.40 | ng/ul | 0.00      |
| 8) Acenaphthene-d10         | 14.38 | 164  | 30130    | 0.40 | ng/ul | 0.00      |
| 12) Phenanthrene-d10        | 17.12 | 188  | 60368m   | 0.40 | ng/ul | 0.00      |
| 18) Chrysene-d12            | 21.32 | 240  | 59323    | 0.40 | ng/ul | 0.00      |
| 22) Perylene-d12            | 23.58 | 264  | 50443m   | 0.40 | ng/ul | 0.00      |
| System Monitoring Compounds |       |      |          |      |       |           |
| 2) 1,4-Dioxane-d8           | 3.20  | 96   | 68906    | 4.61 | ng/uL | 0.00      |
| 6) 2-Methylnaphthalene-d10  | 12.12 | 152  | 20971    | 0.28 | ng/ul | 0.00      |
| 16) Fluoranthene-d10        | 19.17 | 212  | 45089    | 0.30 | ng/ul | 0.00      |
| Target Compounds            |       |      |          |      |       |           |
| 13) Pentachlorophenol       | 16.78 | 266  | 768      | 0.05 | ng/ul | Ovalue 99 |
| 14) Phenanthrene            | 17.16 | 178  | 8478m    | 0.05 | ng/ul |           |

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

U.M  
11/25/15