

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112015\  
 Data File : BM003233.D  
 Acq On : 20 Nov 2015 22:20  
 Operator : UM/IZ  
 Sample : G4322-04  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4HR5

Quant Time: Nov 23 11:41:09 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 : Sat Nov 21 04:24:04 2015  
 Response via : Initial Calibration

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| Internal Standards          | R.T.  | QIon | Response | Conc | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.74  | 152  | 12743    | 0.40 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.53 | 136  | 48989    | 0.40 | ng/ul  | 0.00     |
| 8) Acenaphthene-d10         | 14.38 | 164  | 26539    | 0.40 | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 17.12 | 188  | 53566m   | 0.40 | ng/ul  | 0.00     |
| 18) Chrysene-d12            | 21.32 | 240  | 52449    | 0.40 | ng/ul  | -0.01    |
| 22) Perylene-d12            | 23.58 | 264  | 53950    | 0.40 | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |      |        |          |
| 2) 1,4-Dioxane-d8           | 3.20  | 96   | 57018    | 4.19 | ng/uL  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.12 | 152  | 13449    | 0.20 | ng/ul  | 0.00     |
| 16) Fluoranthene-d10        | 19.17 | 212  | 21565    | 0.16 | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |      |        | Ovalue   |
| 5) Naphthalene              | 10.57 | 128  | 14175    | 0.11 | ng/ul# | 96       |
| 9) Acenaphthylene           | 14.09 | 152  | 19255    | 0.17 | ng/ul  | 98       |
| 10) Acenaphthene            | 14.43 | 153  | 4174     | 0.04 | ng/ul# | 75       |
| 11) Fluorene                | 15.44 | 166  | 8179     | 0.08 | ng/ul# | 97       |
| 13) Pentachlorophenol       | 16.78 | 266  | 1106     | 0.09 | ng/ul  | 95       |
| 14) Phenanthrene            | 17.16 | 178  | 221391m  | 1.42 | ng/ul  |          |
| 15) Anthracene              | 17.26 | 178  | 43955    | 0.34 | ng/ul  | 99       |
| 17) Fluoranthene            | 19.19 | 202  | 452458m  | 2.62 | ng/ul  |          |
| 19) Pyrene                  | 19.55 | 202  | 407919   | 2.27 | ng/ul  | 100      |
| 20) Benzo(a)anthracene      | 21.31 | 228  | 193669m  | 1.27 | ng/ul  |          |
| 21) Chrysene                | 21.36 | 228  | 191889   | 1.12 | ng/ul  | 98       |
| 23) Benzo(b)fluoranthene    | 22.91 | 252  | 264844m  | 1.29 | ng/ul  |          |
| 24) Benzo(k)fluoranthene    | 22.93 | 252  | 106742m  | 0.55 | ng/ul  |          |
| 25) Benzo(a)pyrene          | 23.48 | 252  | 183302   | 1.00 | ng/ul  | 97       |
| 26) Indeno(1,2,3-cd)pyrene  | 25.86 | 276  | 126167   | 0.58 | ng/ul# | 94       |
| 27) Dibenzo(a,h)anthracene  | 25.87 | 278  | 29336    | 0.17 | ng/ul# | 86       |
| 28) Benzo(a,h,i)perylene    | 26.57 | 276  | 110034   | 0.58 | ng/ul  | 97       |

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

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# Quantitation Report (Qedit)

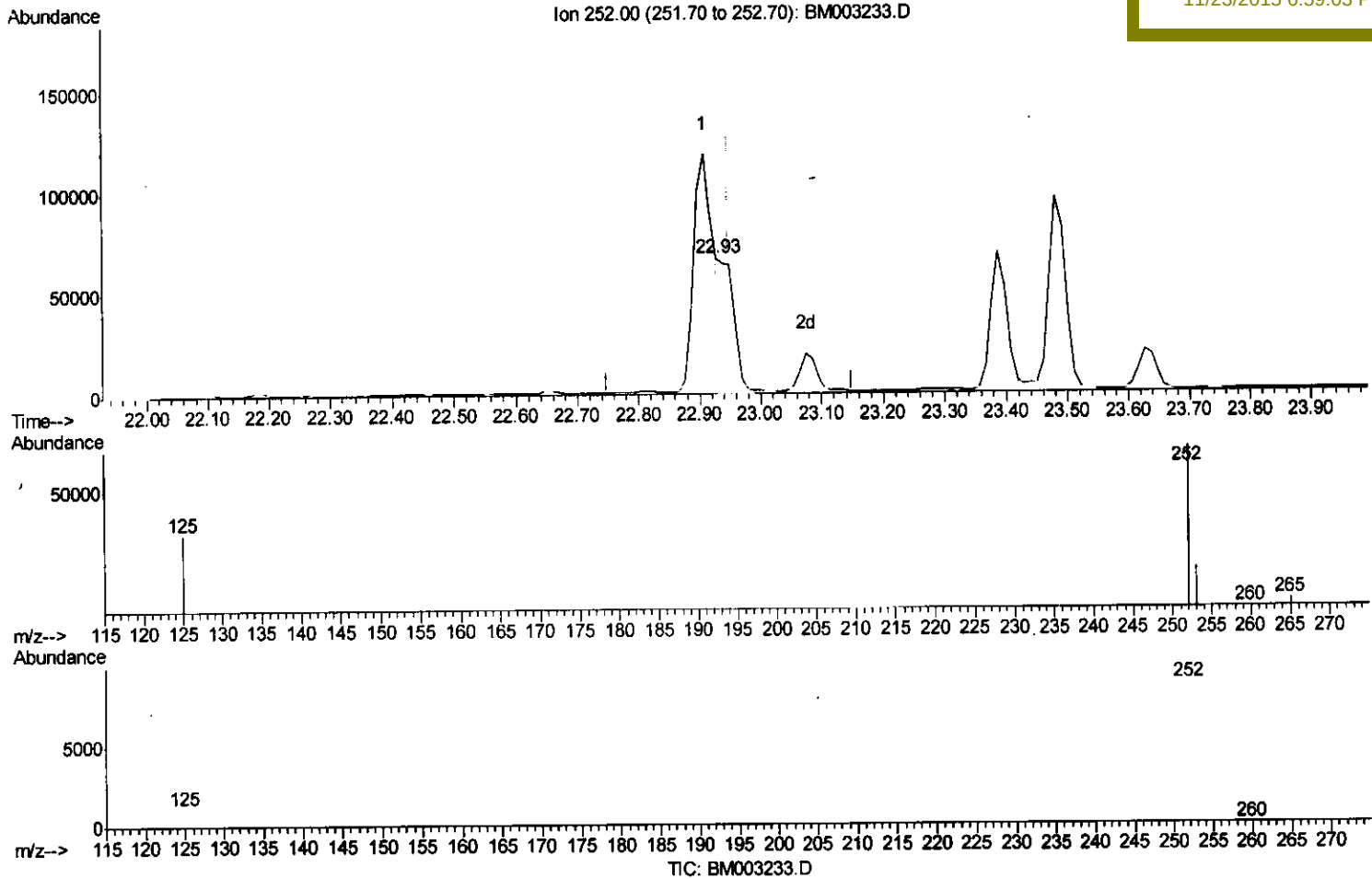
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM112015\  
 Data File : BM003233.D  
 Acq On : 20 Nov 2015 22:20  
 Operator : UM/IZ  
 Sample : G4322-04RX  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4HR5

Quant Time: Nov 21 05:15:59 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 : Sat Nov 21 04:24:04 2015  
 Response via : Initial Calibration

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(24) Benzo(k)fluoranthene

22.928min (-0.021) 0.55ng/ul m

response 106742

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 24.80 | 25.41  |
| 125.00 | 13.00 | 47.71# |
| 0.00   | 0.00  | 0.00   |

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# Quantitation Report (Qedit)

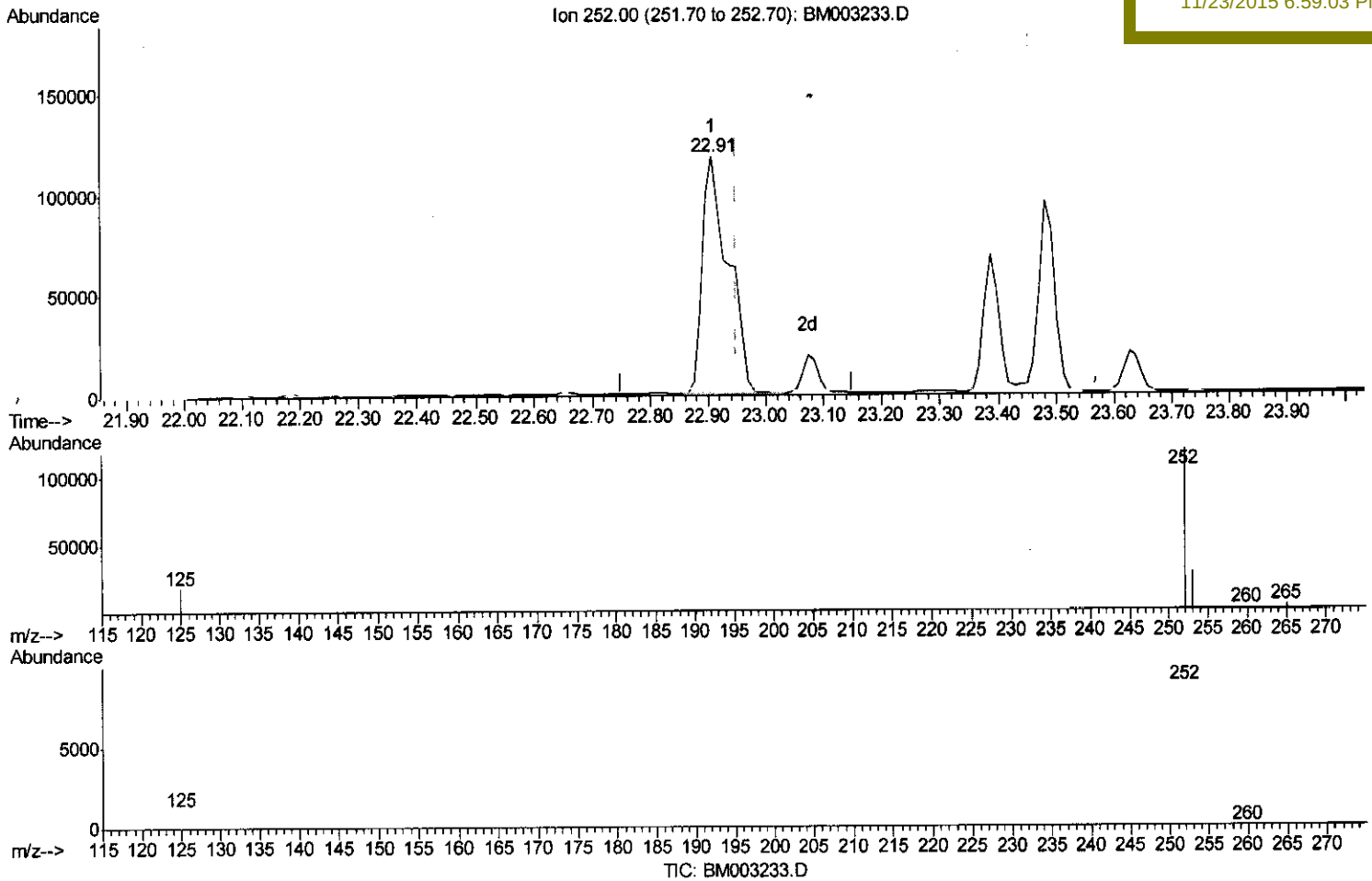
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM112015\  
 Data File : BM003233.D  
 Acq On : 20 Nov 2015 22:20  
 Operator : UM/IZ  
 Sample : G4322-04RX  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4HR5

Quant Time: Nov 21 05:15:59 2015  
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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Manual Integrations  
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(24) Benzo(k)fluoranthene  
 22.907min (-0.042) 1.88ng/ul  
 response 365417

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 24.80 | 23.56 |
| 125.00 | 13.00 | 15.17 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

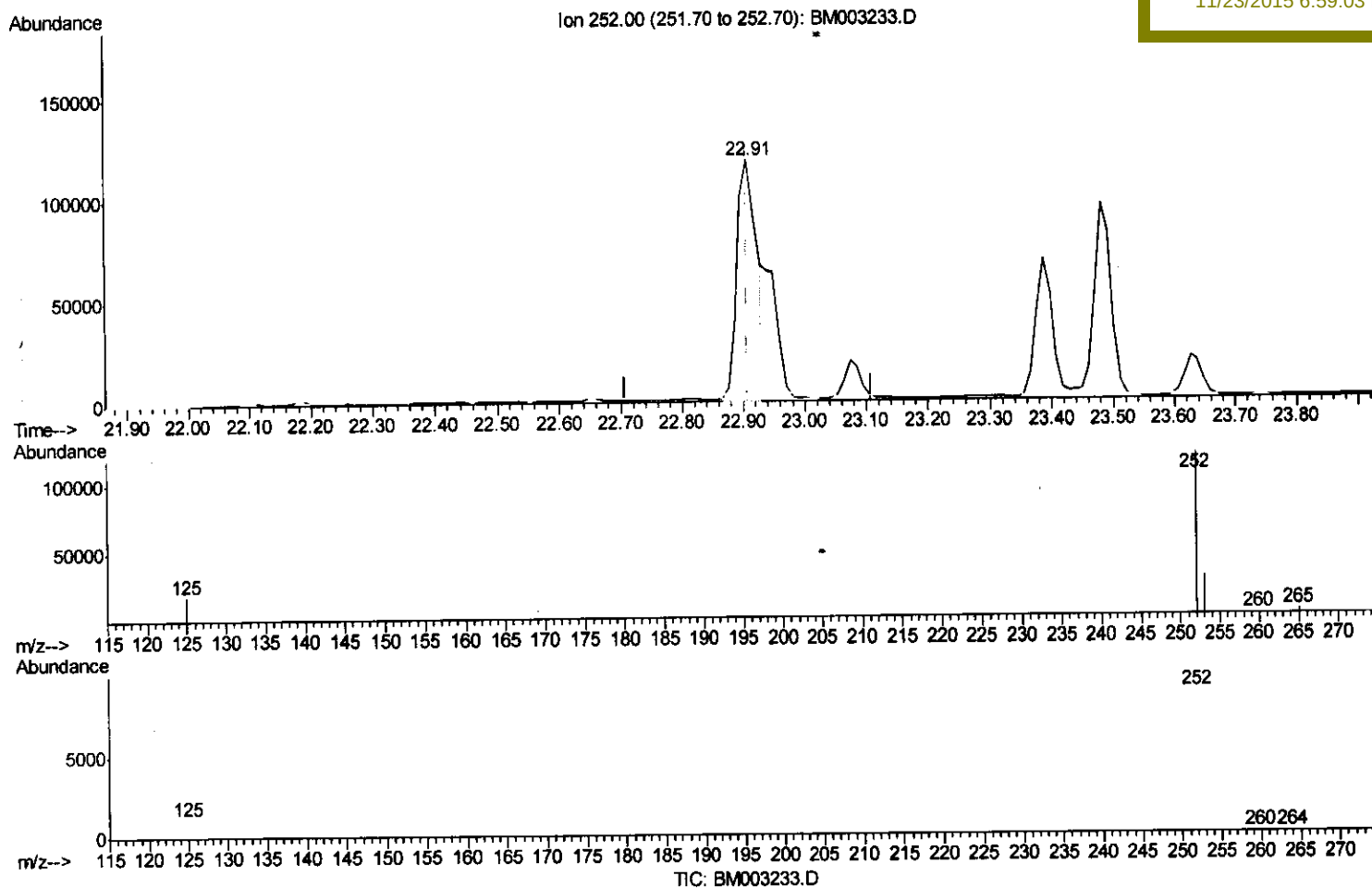
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM112015\  
Data File : BM003233.D  
Acq On : 20 Nov 2015 22:20  
Operator : UM/IZ  
Sample : G4322-04RX  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4HR5

Quant Time: Nov 21 05:15:59 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 : Sat Nov 21 04:24:04 2015  
Response via : Initial Calibration

Manual Integrations  
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(23) Benzo(b)fluoranthene

22.907min (-0.000) 1.29ng/ul m

response 264844

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.70 | 23.56 |
| 125.00 | 14.40 | 15.17 |
| 0.00   | 0.00  | 0.00  |

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# Quantitation Report (Qedit)

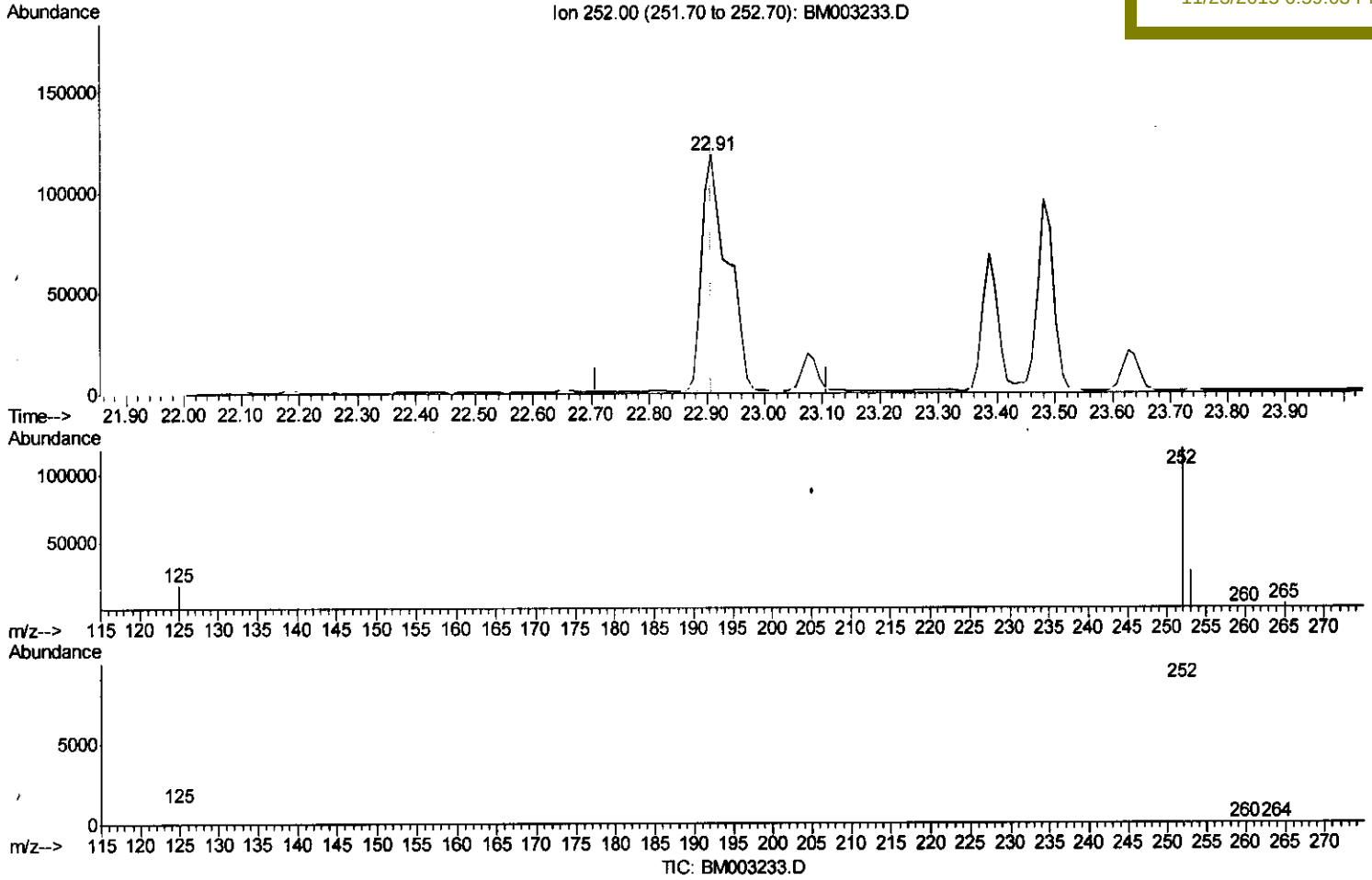
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM112015\  
 Data File : BM003233.D  
 Acq On : 20 Nov 2015 22:20  
 Operator : UM/IZ  
 Sample : G4322-04RX  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4HR5

Quant Time: Nov 21 05:15:59 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 : Sat Nov 21 04:24:04 2015  
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Manual Integrations  
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(23) Benzo(b)fluoranthene

22.907min (-0.000) 1.78ng/ul

response 365417

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.70 | 23.56 |
| 125.00 | 14.40 | 15.17 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

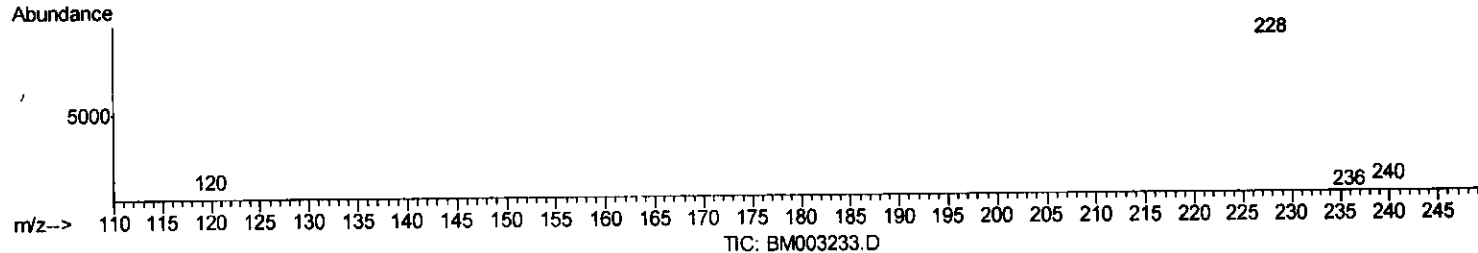
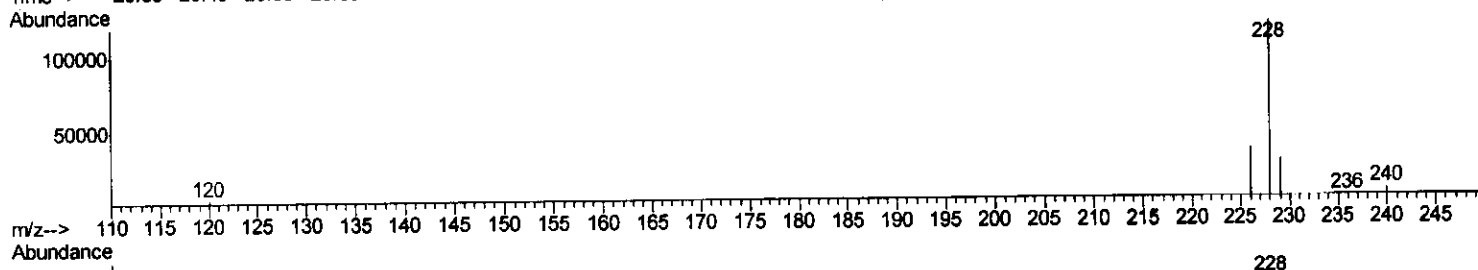
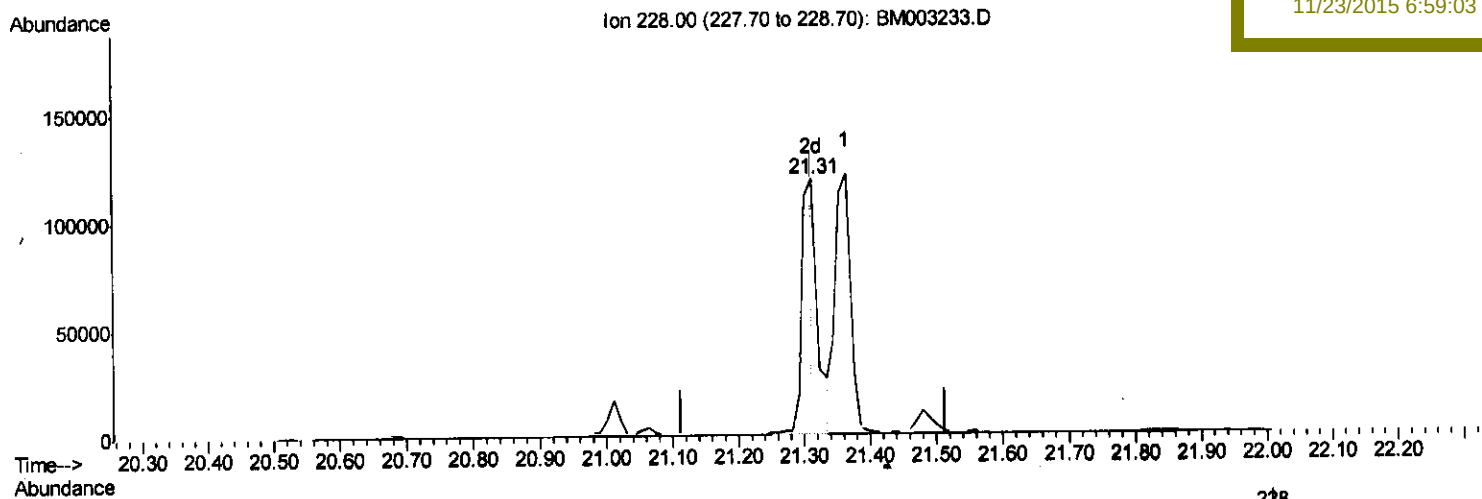
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM112015\  
 Data File : BM003233.D  
 Acq On : 20 Nov 2015 22:20  
 Operator : UM/IZ  
 Sample : G4322-04RX  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4HR5

Quant Time: Nov 21 05:15:59 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-SIM-BM111815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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(20) Benzo(a)anthracene

21.313min (-0.000) 1.27ng/ul m

response 193669

Ion Exp% Act%

228.00 100 100

226.00 23.50 29.20#

229.00 21.40 22.64

0.00 0.00 0.00

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# Quantitation Report (Qedit)

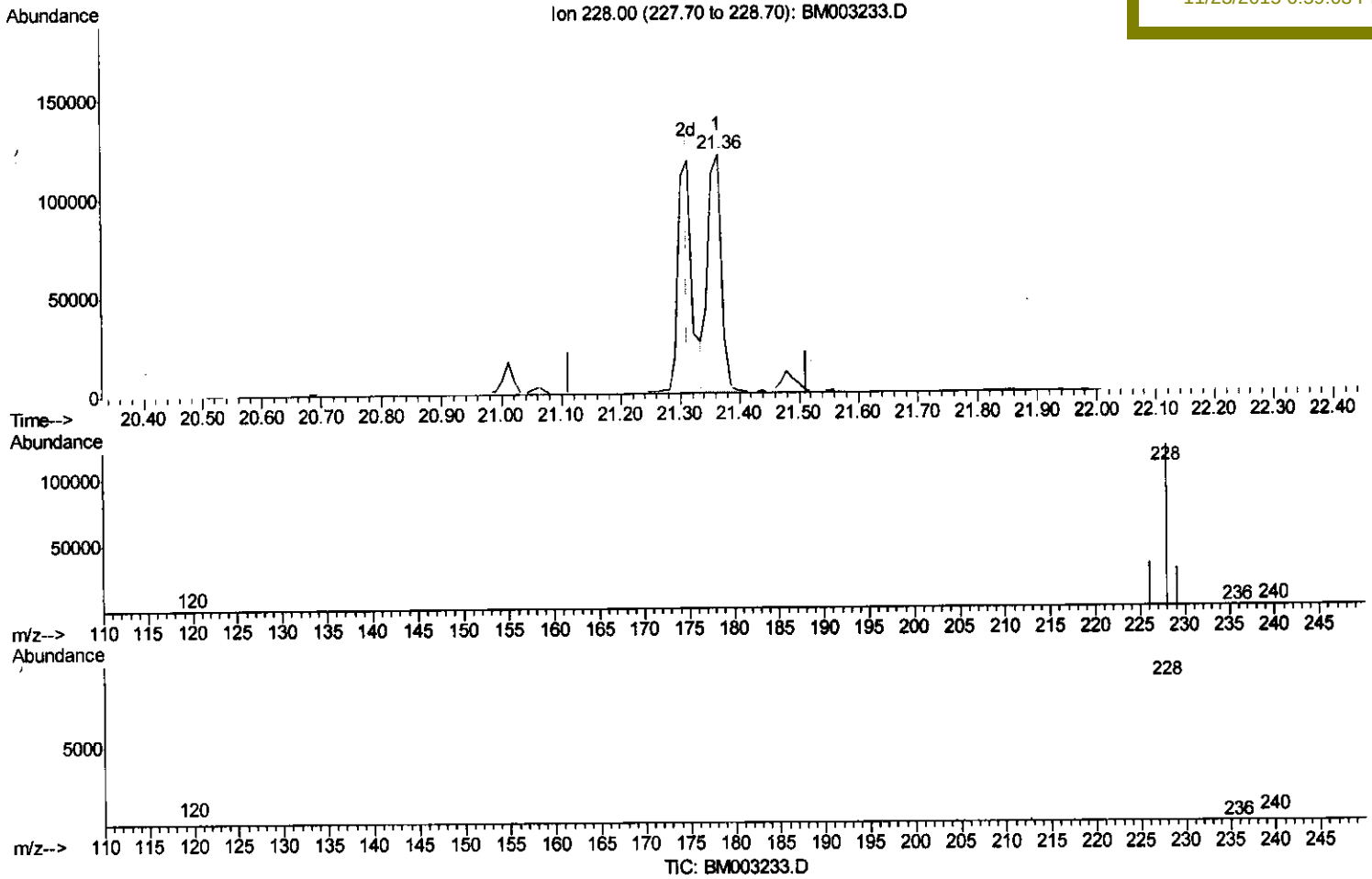
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM112015\  
 Data File : BM003233.D  
 Acq On : 20 Nov 2015 22:20  
 Operator : UM/IZ  
 Sample : G4322-04RX  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

**Instrument :**  
 BNA\_M  
**ClientSampleId :**  
 A4HR5

Quant Time: Nov 21 05:15:59 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-SIM-BM111815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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(20) Benzo(a)anthracene  
 21.365min (+0.052) 1.27ng/ui  
 response 192426

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 23.50 | 26.69 |
| 229.00 | 21.40 | 23.52 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

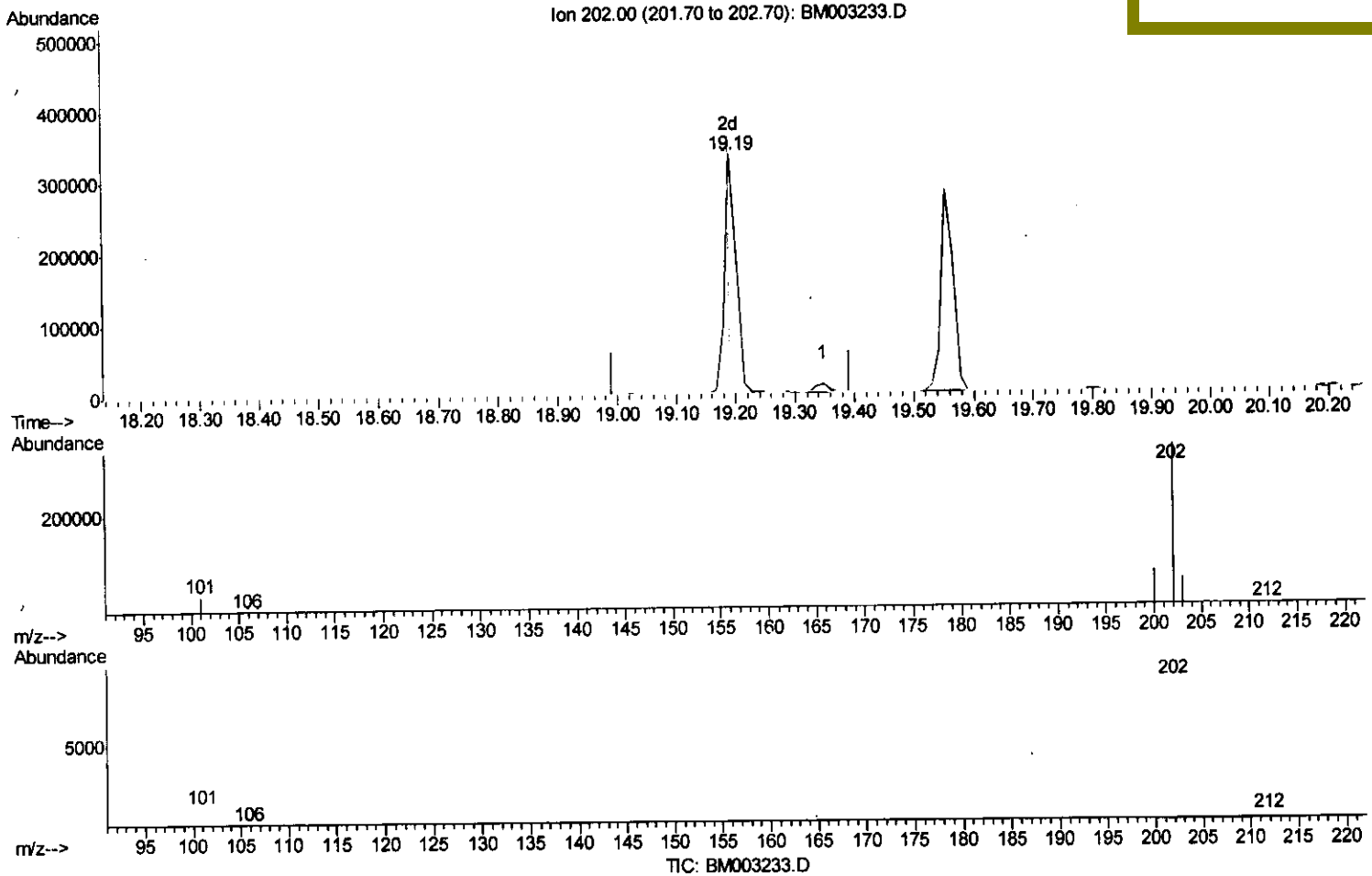
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM112015\  
 Data File : BM003233.D  
 Acq On : 20 Nov 2015 22:20  
 Operator : UM/IZ  
 Sample : G4322-04RX  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4HR5

Quant Time: Nov 21 05:15:59 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-SIM-BM111815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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Manual Integrations  
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 11/23/2015 6:59:03 PM



(17) Fluoranthene (C)

19.191min (-0.000) 2.62ng/ul m

response 452458

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 9.60  | 9.80  |
| 203.00 | 16.30 | 16.72 |
| 0.00   | 0.00  | 0.00  |

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# Quantitation Report (Qedit)

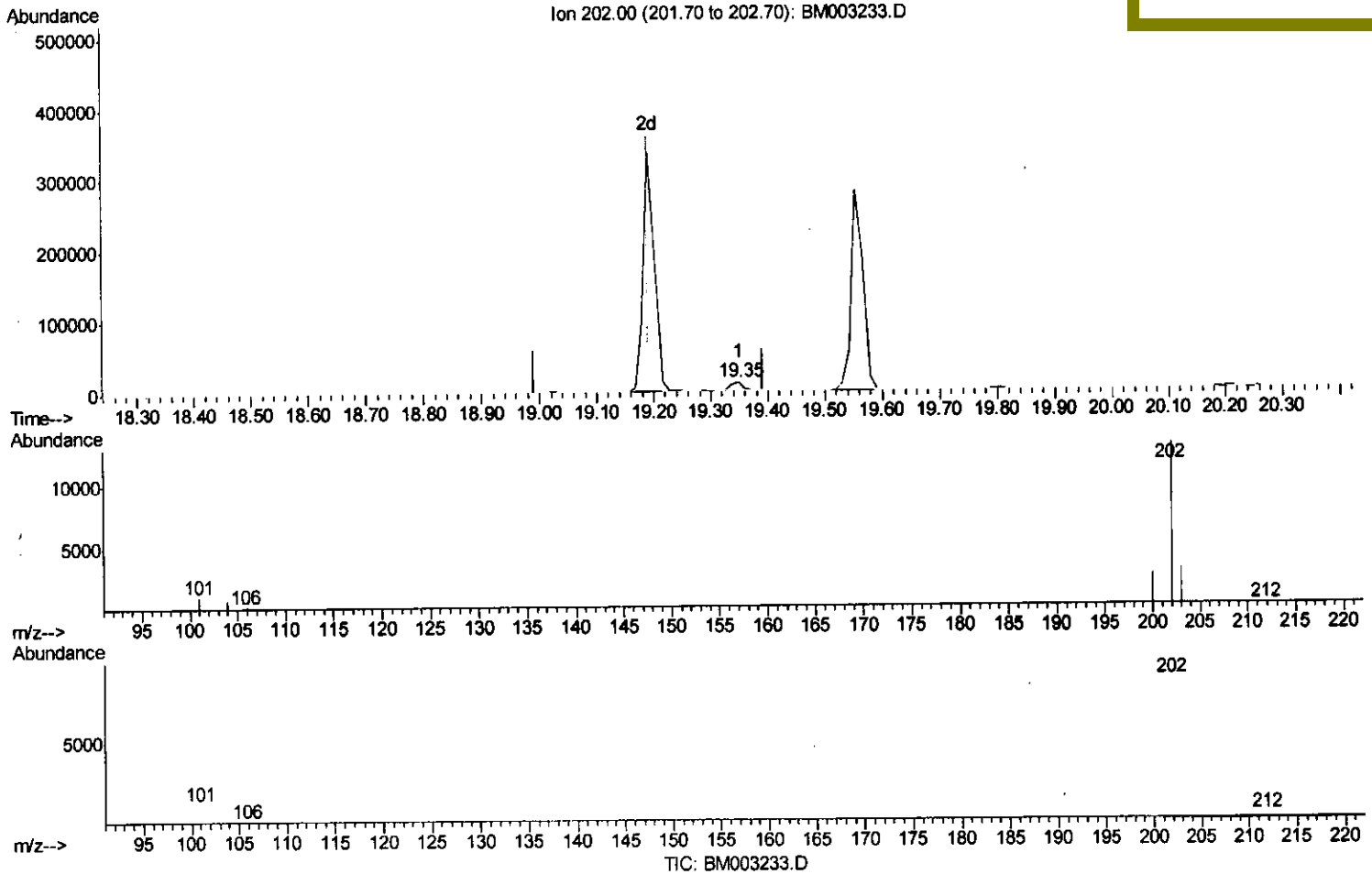
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM112015\  
 Data File : BM003233.D  
 Acq On : 20 Nov 2015 22:20  
 Operator : UM/IZ  
 Sample : G4322-04RX  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4HR5

Quant Time: Nov 21 05:15:59 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 : Sat Nov 21 04:24:04 2015  
 Response via : Initial Calibration

Manual Integrations  
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(17) Fluoranthene (C)

19.348min (+0.157) 0.11ng/ui

response 18404

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 9.60  | 8.70  |
| 203.00 | 16.30 | 23.56 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

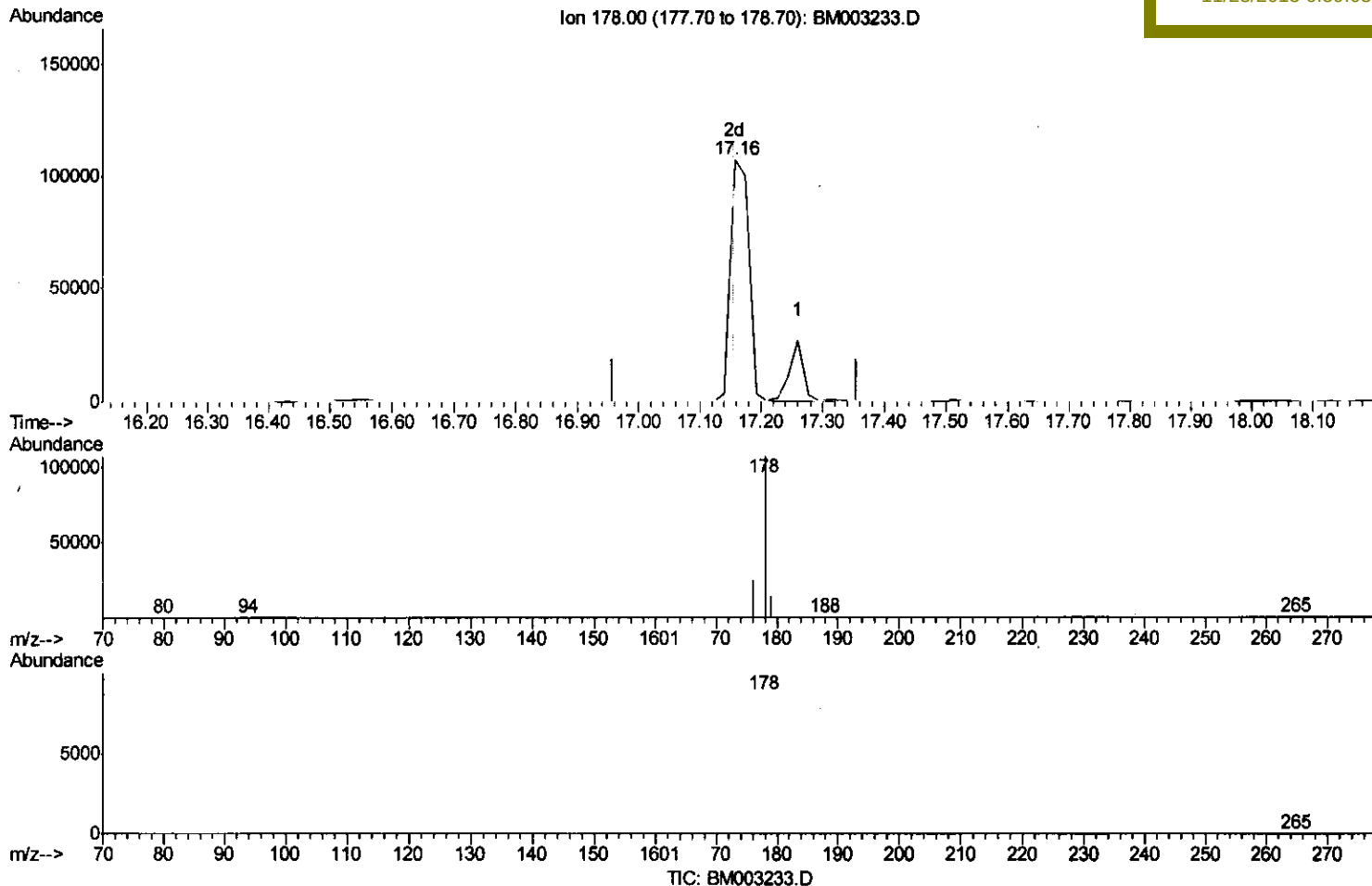
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM112015\  
 Data File : BM003233.D  
 Acq On : 20 Nov 2015 22:20  
 Operator : UM/IZ  
 Sample : G4322-04RX  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4HR5

Quant Time: Nov 21 05:15:59 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-SIM-BM111815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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(14) Phenanthrene

17.157min (-0.000) 1.42ng/ul m

response 221391

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 176.00 | 16.20 | 22.49% |
| 179.00 | 17.70 | 13.28% |
| 0.00   | 0.00  | 0.00   |

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# Quantitation Report (Qedit)

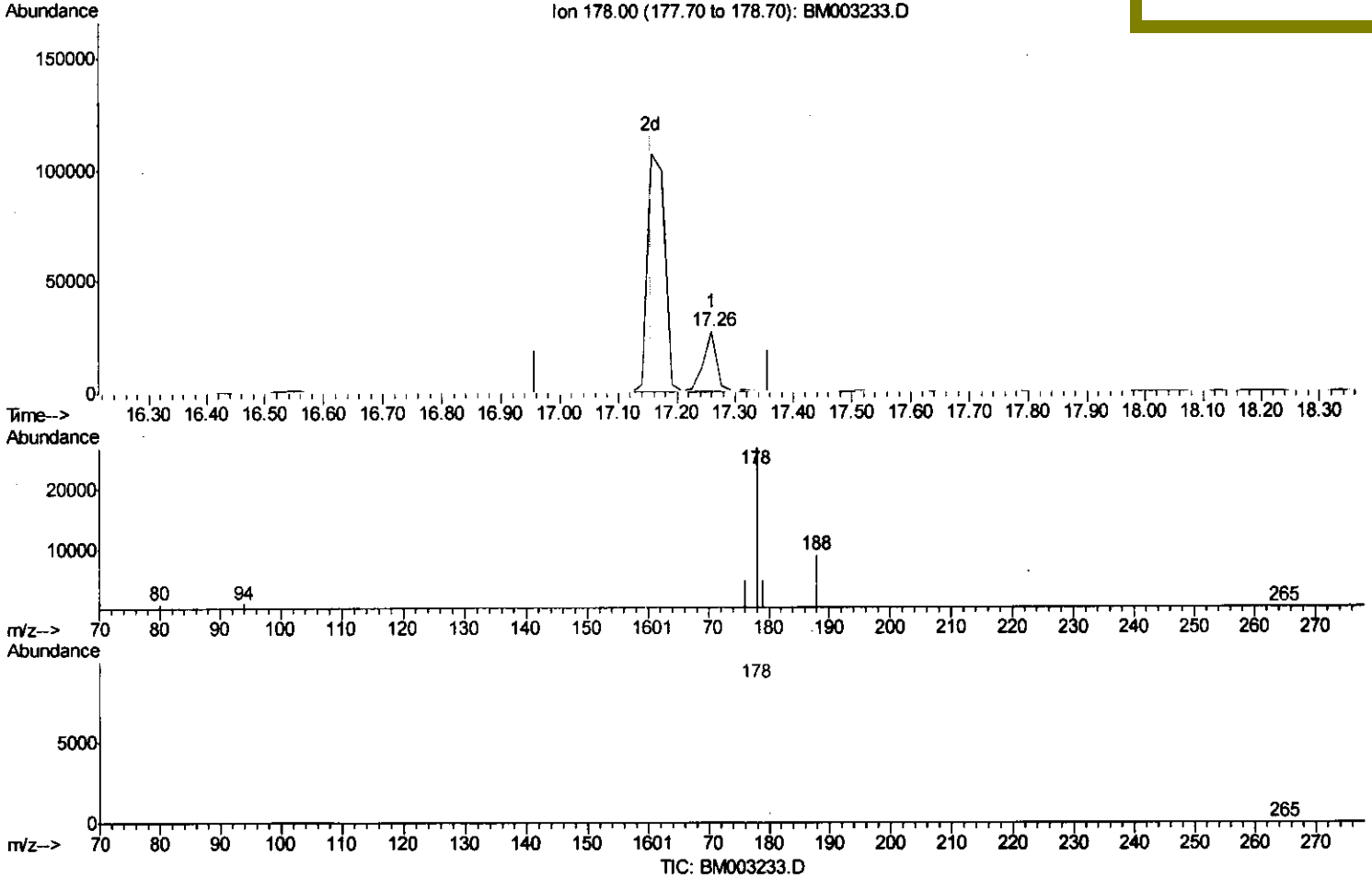
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM112015\  
 Data File : BM003233.D  
 Acq On : 20 Nov 2015 22:20  
 Operator : UM/IZ  
 Sample : G4322-04RX  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4HR5

Quant Time: Nov 21 05:15:59 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-SIM-BM111815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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Manual Integrations  
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 11/23/2015 6:59:03 PM



(14) Phenanthrene

17.260min (+0.103) 0.28ng/ul

response 43751

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 176.00 | 16.20 | 17.38 |
| 179.00 | 17.70 | 17.19 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

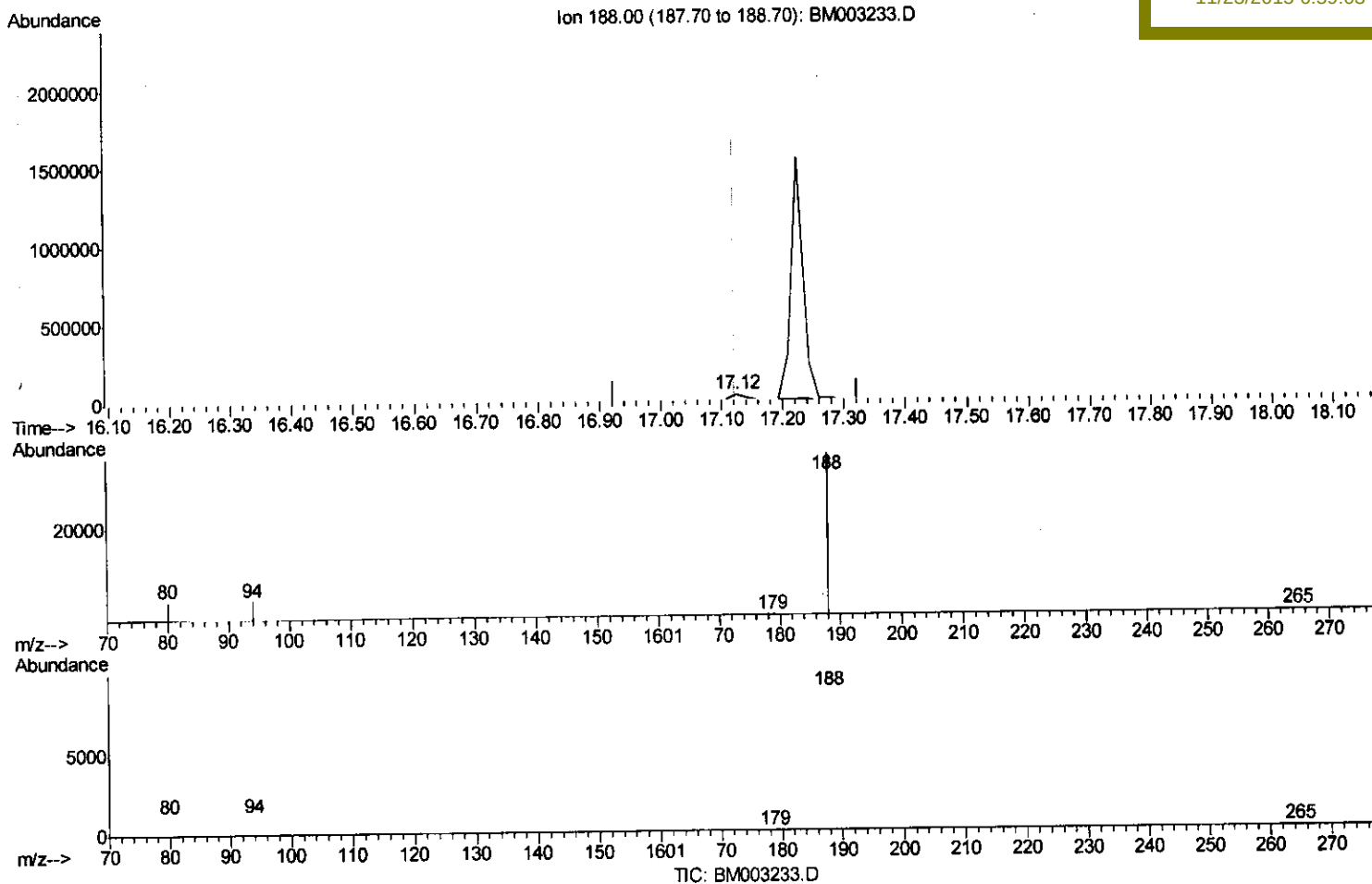
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM112015\  
 Data File : BM003233.D  
 Acq On : 20 Nov 2015 22:20  
 Operator : UM/IZ  
 Sample : G4322-04RX  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
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 A4HR5

Quant Time: Nov 21 04:27:41 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-SIM-BM111815.M  
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(12) Phenanthrene-d10 (I)

17.123min (-0.000) 0.40ng/ul m

response 53566

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 11.70 | 11.55 |
| 80.00  | 11.90 | 11.26 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

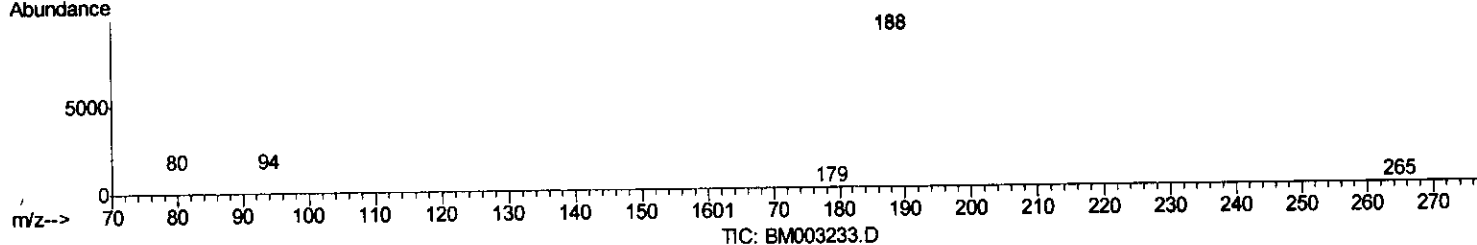
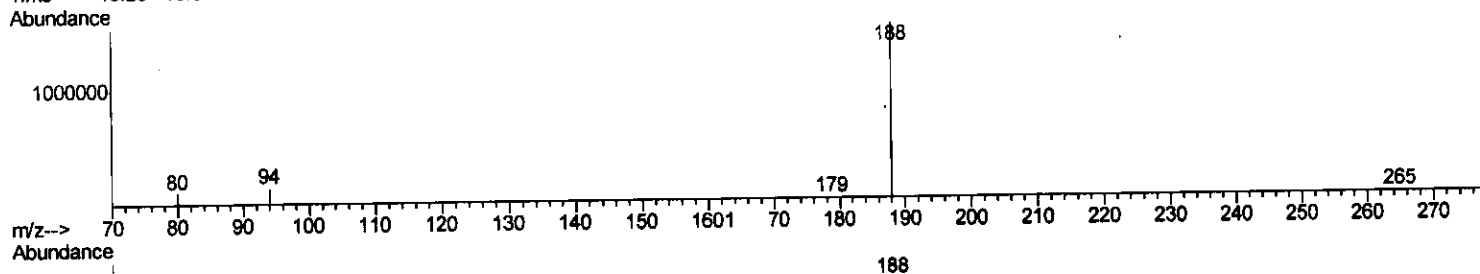
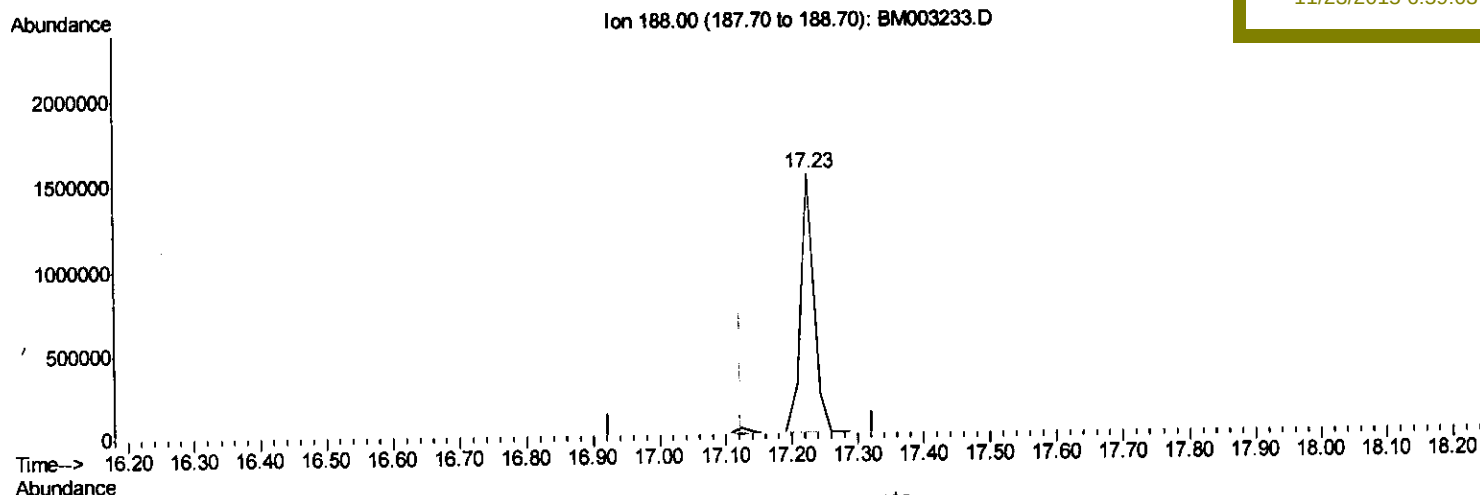
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM112015\  
Data File : BM003233.D  
Acq On : 20 Nov 2015 22:20  
Operator : UM/IZ  
Sample : G4322-04RX  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 21 04:27:41 2015  
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QLast Update : Sat Nov 21 04:24:04 2015  
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Instrument :  
BNA\_M  
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A4HR5

Manual Integrations  
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(12) Phenanthrene-d10 (I)

17.226min (+0.103) 0.40ng/ul

response 2132497

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 11.70 | 9.02# |
| 80.00  | 11.90 | 6.64# |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM112015\  
Data File : BM003233.D  
Acq On : 20 Nov 2015 22:20  
Operator : UM/IZ  
Sample : G4322-04RX  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Time: Nov 21 05:21:39 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 : Sat Nov 21 04:24:04 2015  
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Manual Integrations  
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