

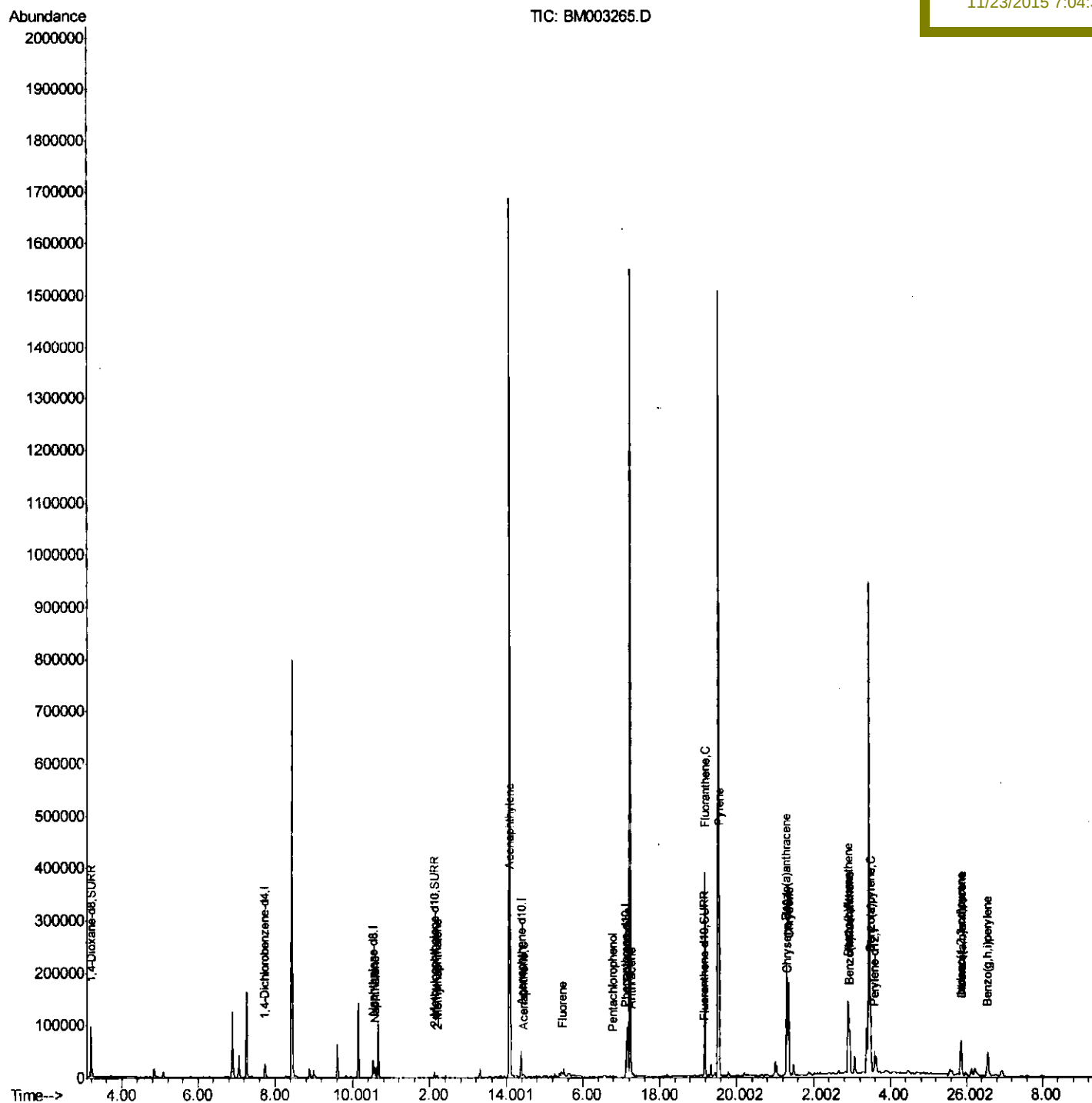
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM112115\  
Data File : BM003265.D  
Acq On : 22 Nov 2015 01:16  
Operator : UM/IZ  
Sample : G4345-09  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4J51

Quant Time: Nov 22 05:19:50 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  
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# Quantitation Report (Qedit)

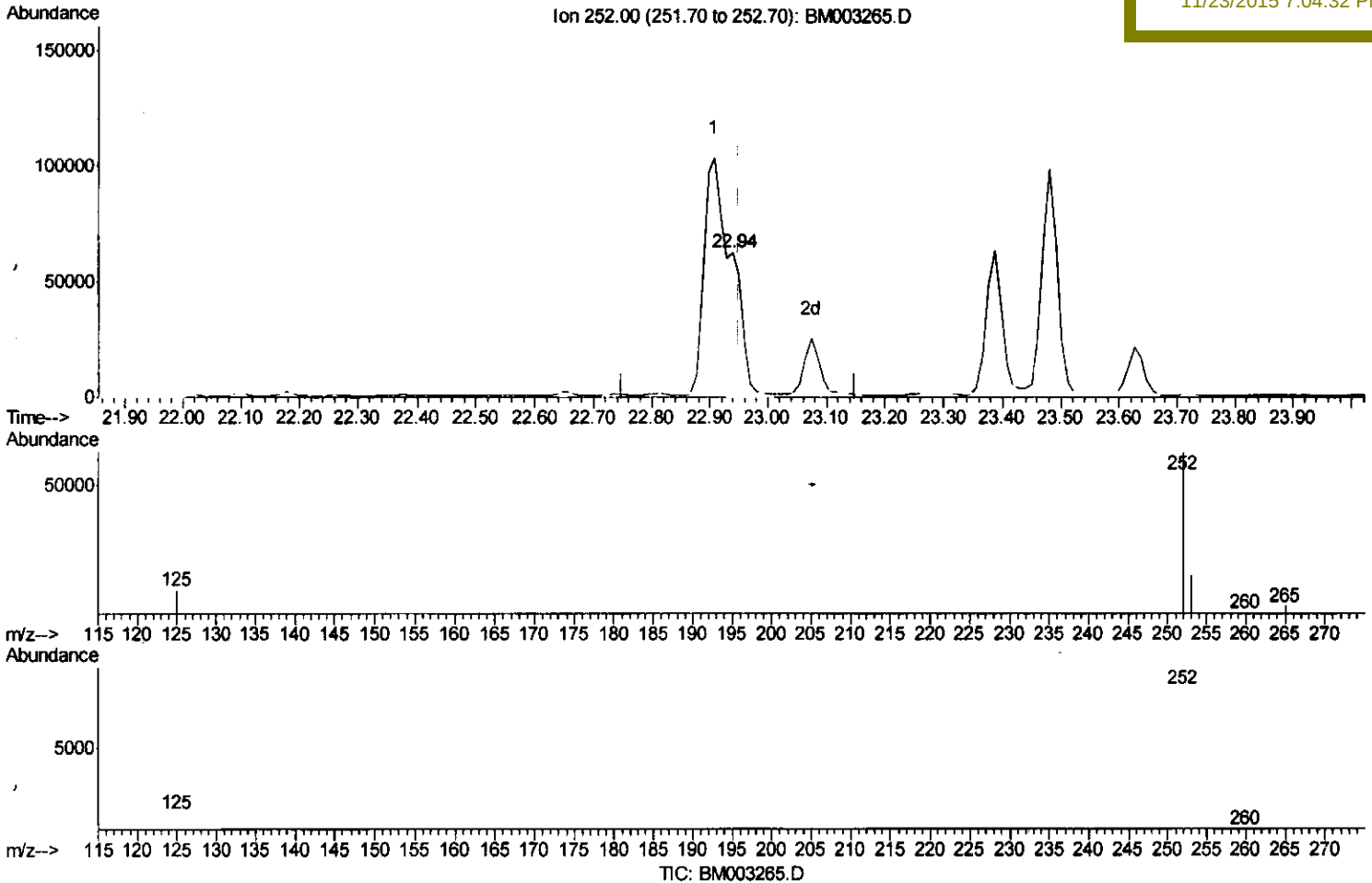
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM112115\  
 Data File : BM003265.D  
 Acq On : 22 Nov 2015 01:16  
 Operator : UM/IZ  
 Sample : G4345-09  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4J51

Quant Time: Nov 22 04:48:07 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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(24) Benzo(k)fluoranthene

22.938min (-0.011) 0.46ng/ul m

response 94325

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 24.80 | 24.68 |
| 125.00 | 13.00 | 15.11 |
| 0.00   | 0.00  | 0.00  |

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# Quantitation Report (Qedit)

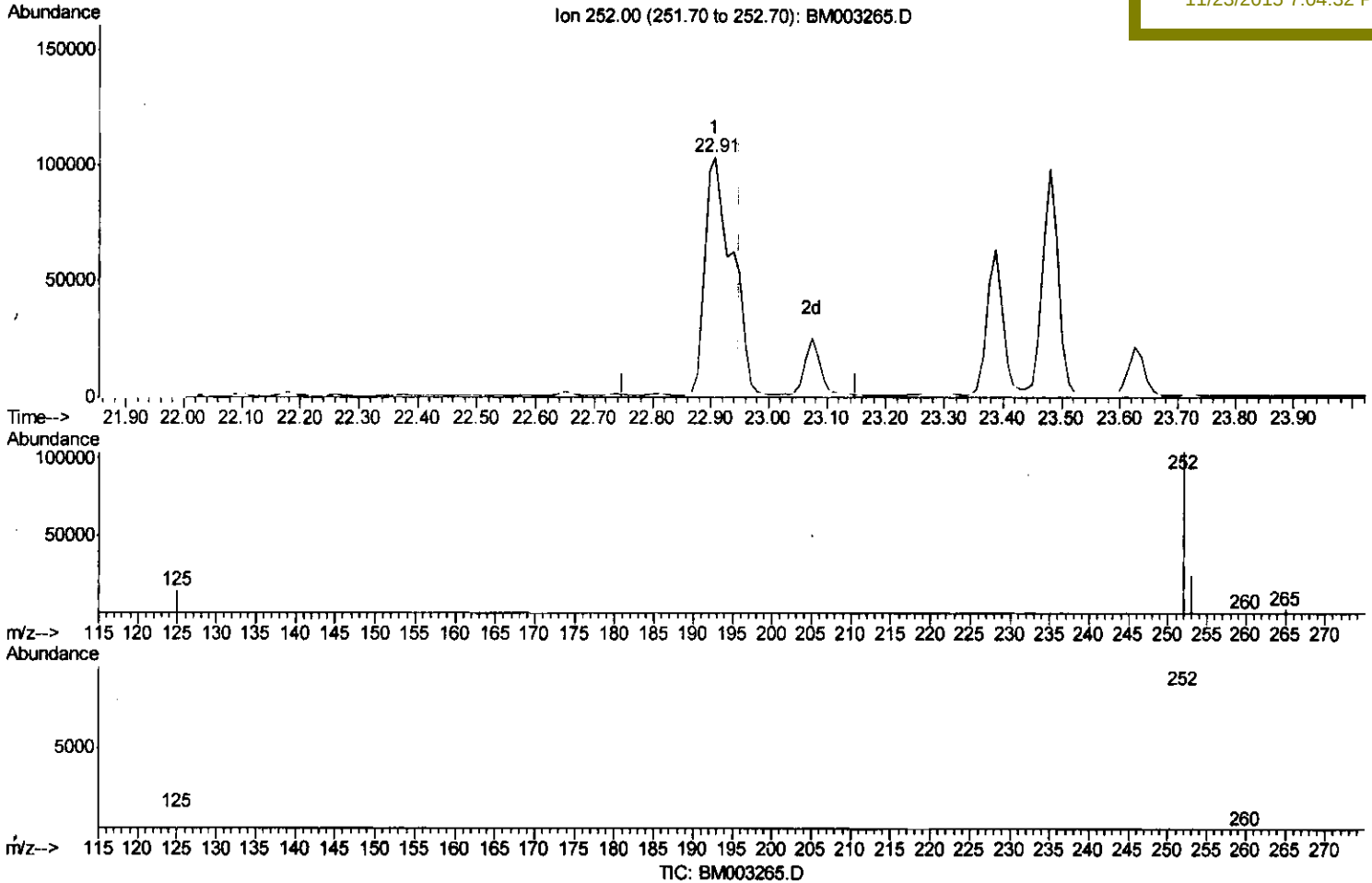
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM112115\  
 Data File : BM003265.D  
 Acq On : 22 Nov 2015 01:16  
 Operator : UM/IZ  
 Sample : G4345-09  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4J51

Quant Time: Nov 22 04:48:07 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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(24) Benzo(k)fluoranthene

22.907min (-0.042) 1.64ng/ul

response 333609

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 24.80 | 23.78 |
| 125.00 | 13.00 | 13.97 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

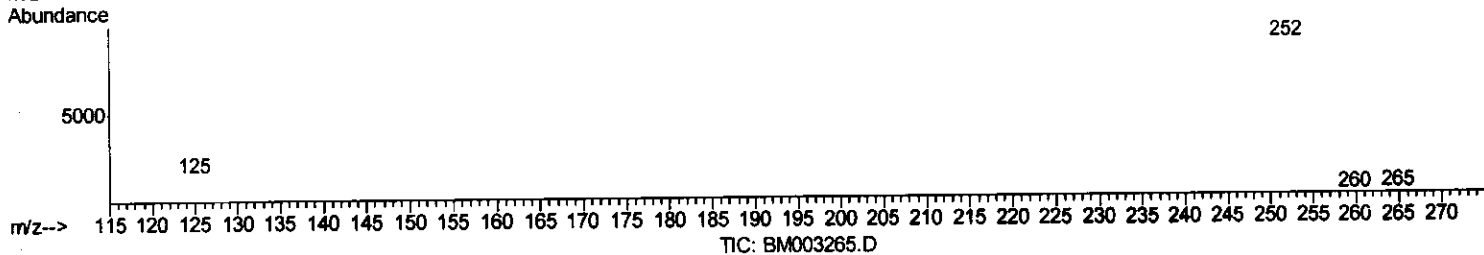
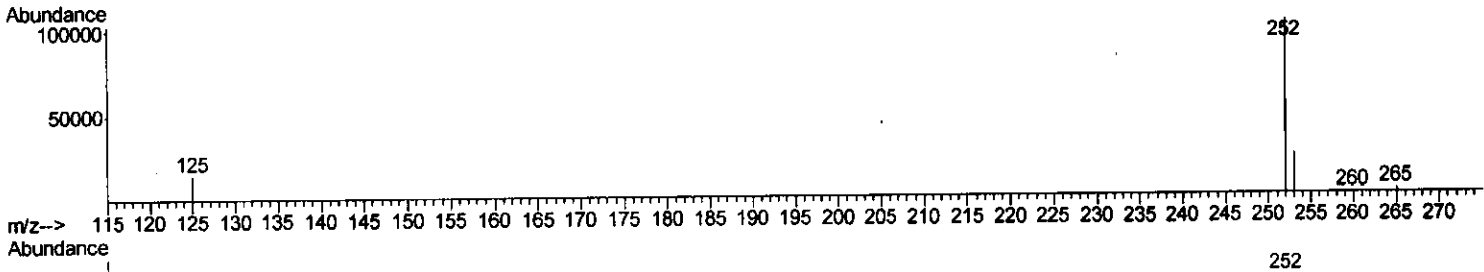
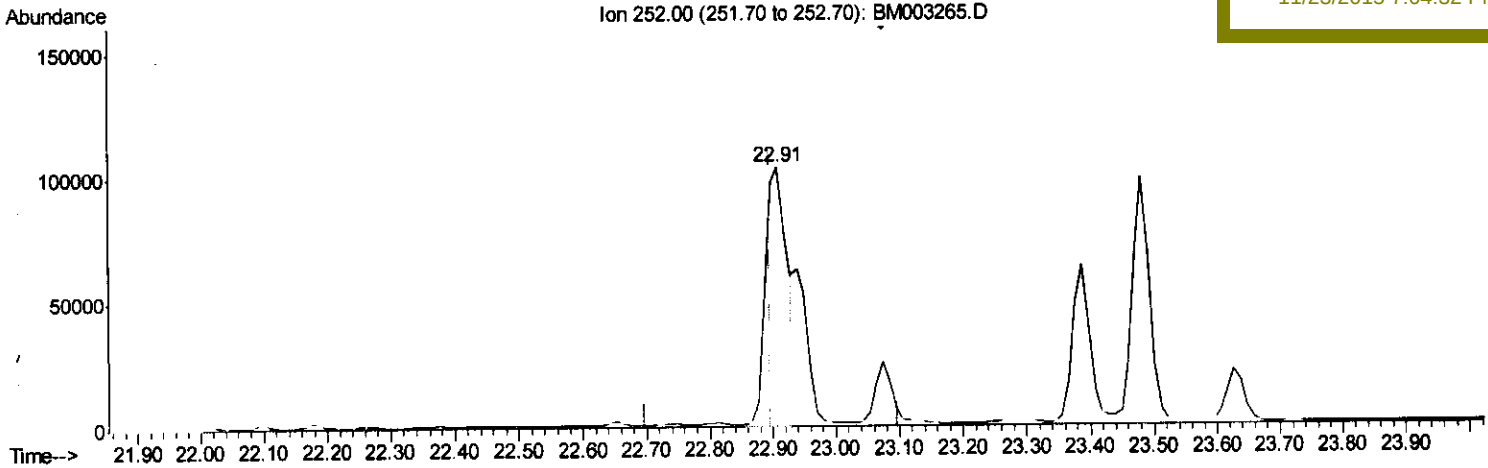
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM112115\  
 Data File : BM003265.D  
 Acq On : 22 Nov 2015 01:16  
 Operator : UM/IZ  
 Sample : G4345-09  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4J51

Quant Time: Nov 22 04:48:07 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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(23) Benzo(b)fluoranthene

22.907min (+0.010) 1.15ng/ul m

response 248297

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.70 | 23.78 |
| 125.00 | 14.40 | 13.97 |
| 0.00   | 0.00  | 0.00  |

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## Quantitation Report (Qedit)

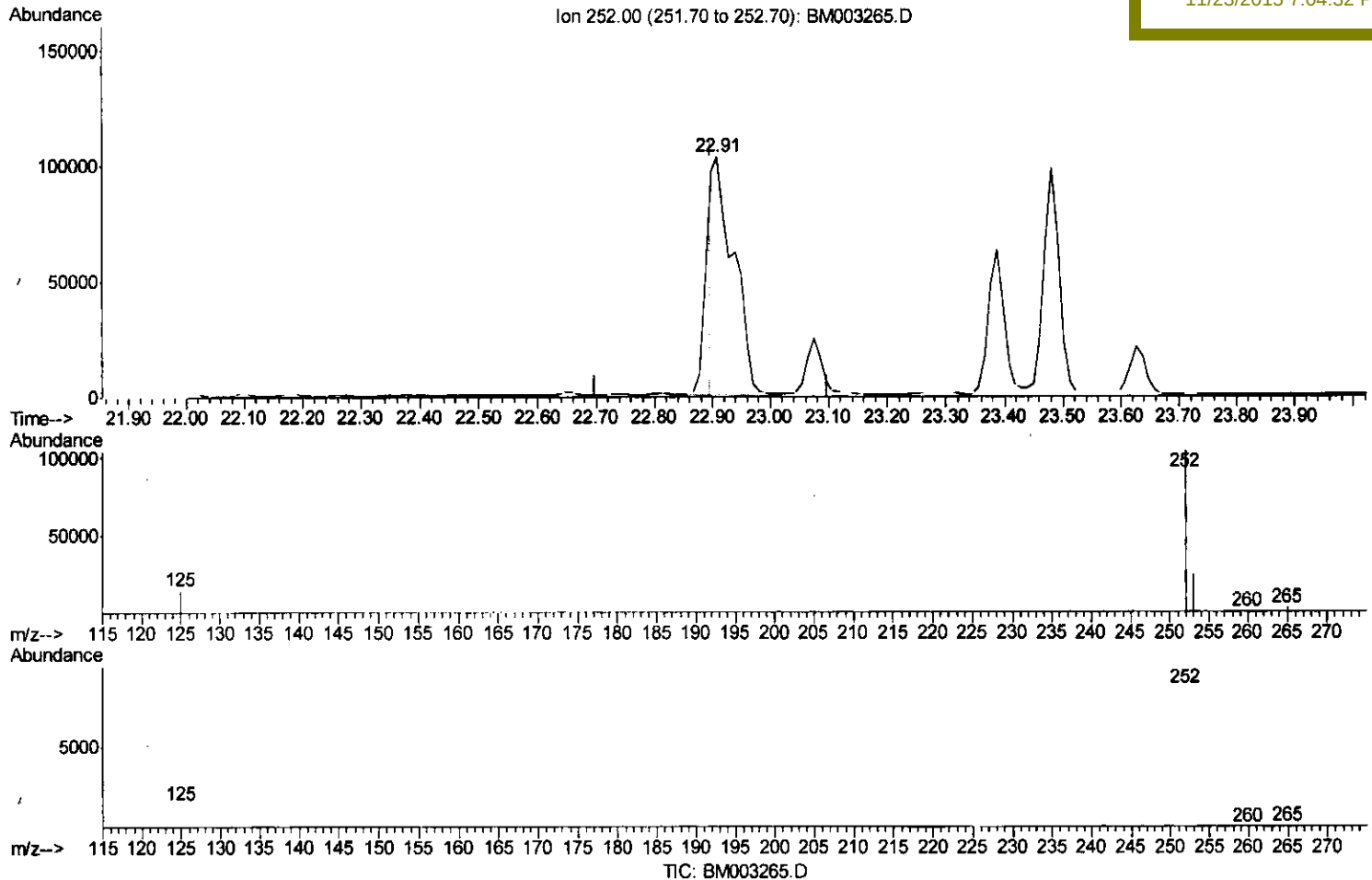
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM112115\  
Data File : BM003265.D  
Acq On : 22 Nov 2015 01:16  
Operator : UM/IZ  
Sample : G4345-09  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 22 04:48:07 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

Instrument :  
BNA\_M  
ClientSampleId :  
A4J51

Manual Integrations  
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(23) Benzo(b)fluoranthene

22.907min (+0.010) 1.55ng/ul

response 333609

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.70 | 23.78 |
| 125.00 | 14.40 | 13.97 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

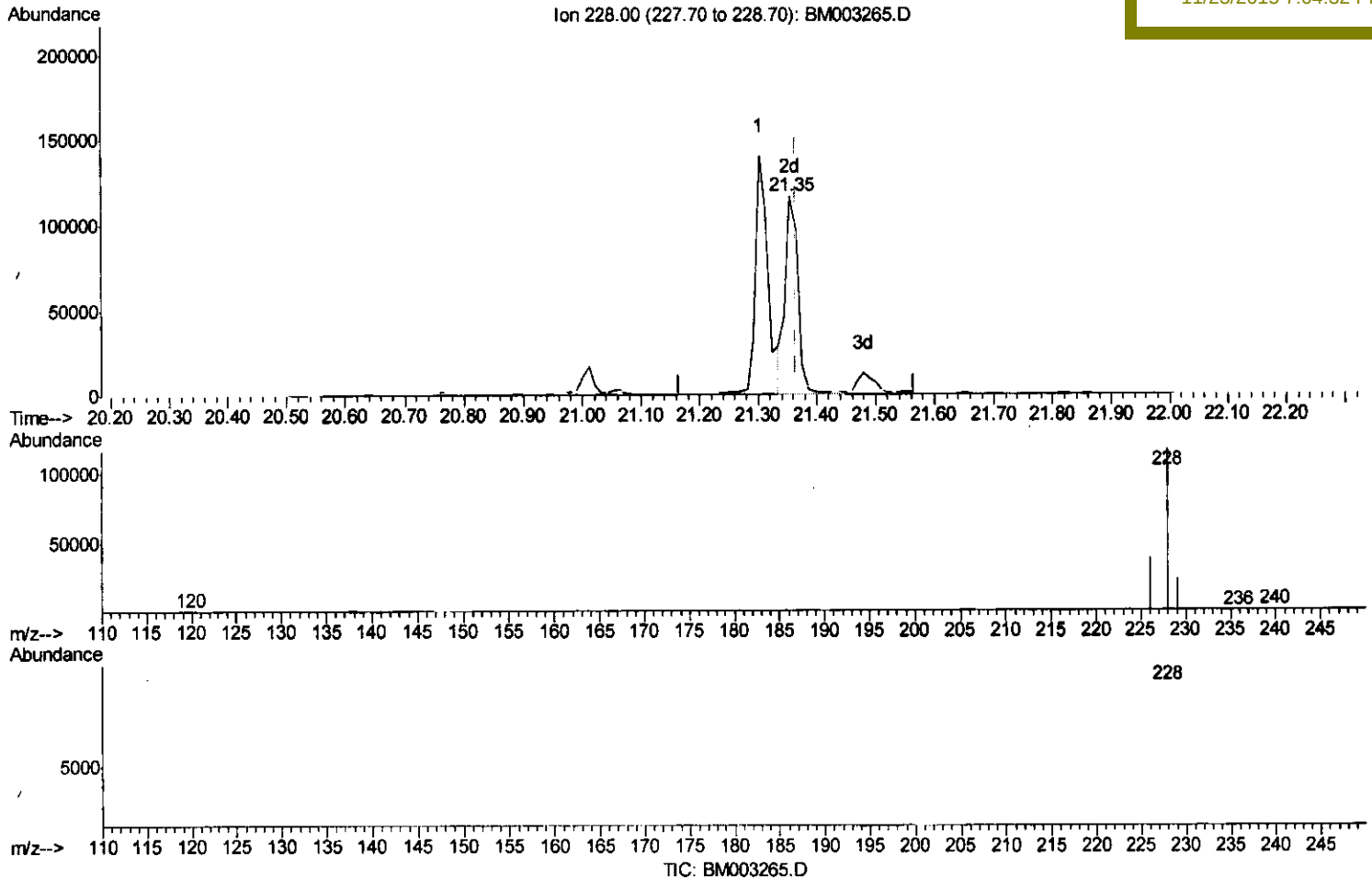
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM112115\  
 Data File : BM003265.D  
 Acq On : 22 Nov 2015 01:16  
 Operator : UM/IZ  
 Sample : G4345-09  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4J51

Quant Time: Nov 22 04:48:07 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  
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Manual Integrations  
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(21) Chrysene

21.354min (-0.011) 0.98ng/ul m

response 180636

Ion Exp% Act%

228.00 100 100

226.00 26.50 32.95#

229.00 21.30 20.28

0.00 0.00 0.00

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## Quantitation Report (Qedit)

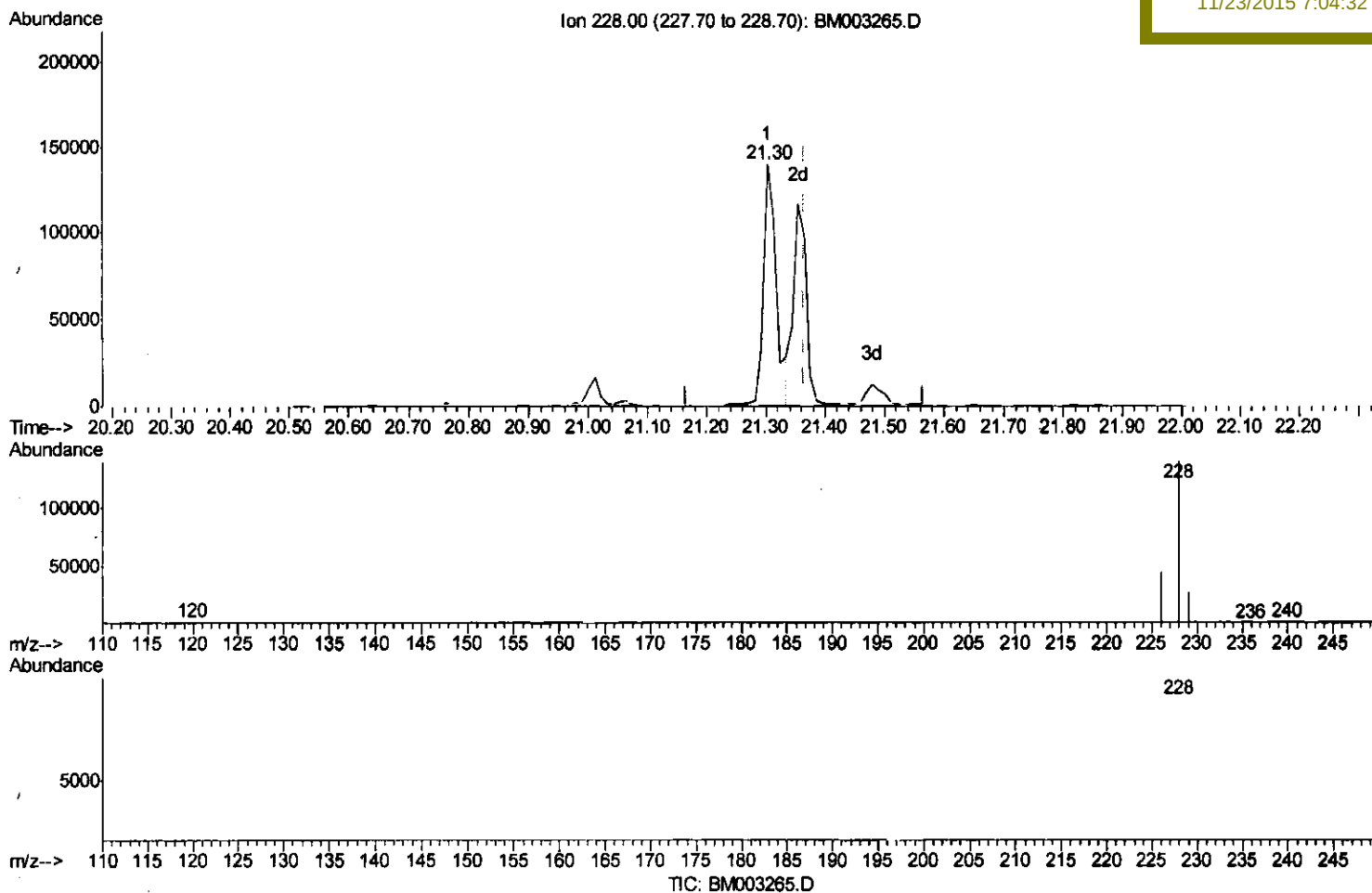
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM112115\  
Data File : BM003265.D  
Acq On : 22 Nov 2015 01:16  
Operator : UM/IZ  
Sample : G4345-09  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4J51

Quant Time: Nov 22 04:48:07 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  
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(21) Chrysene

21.302min (-0.063) 1.14ng/ui

response 211705

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 26.50 | 31.23 |
| 229.00 | 21.30 | 18.99 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

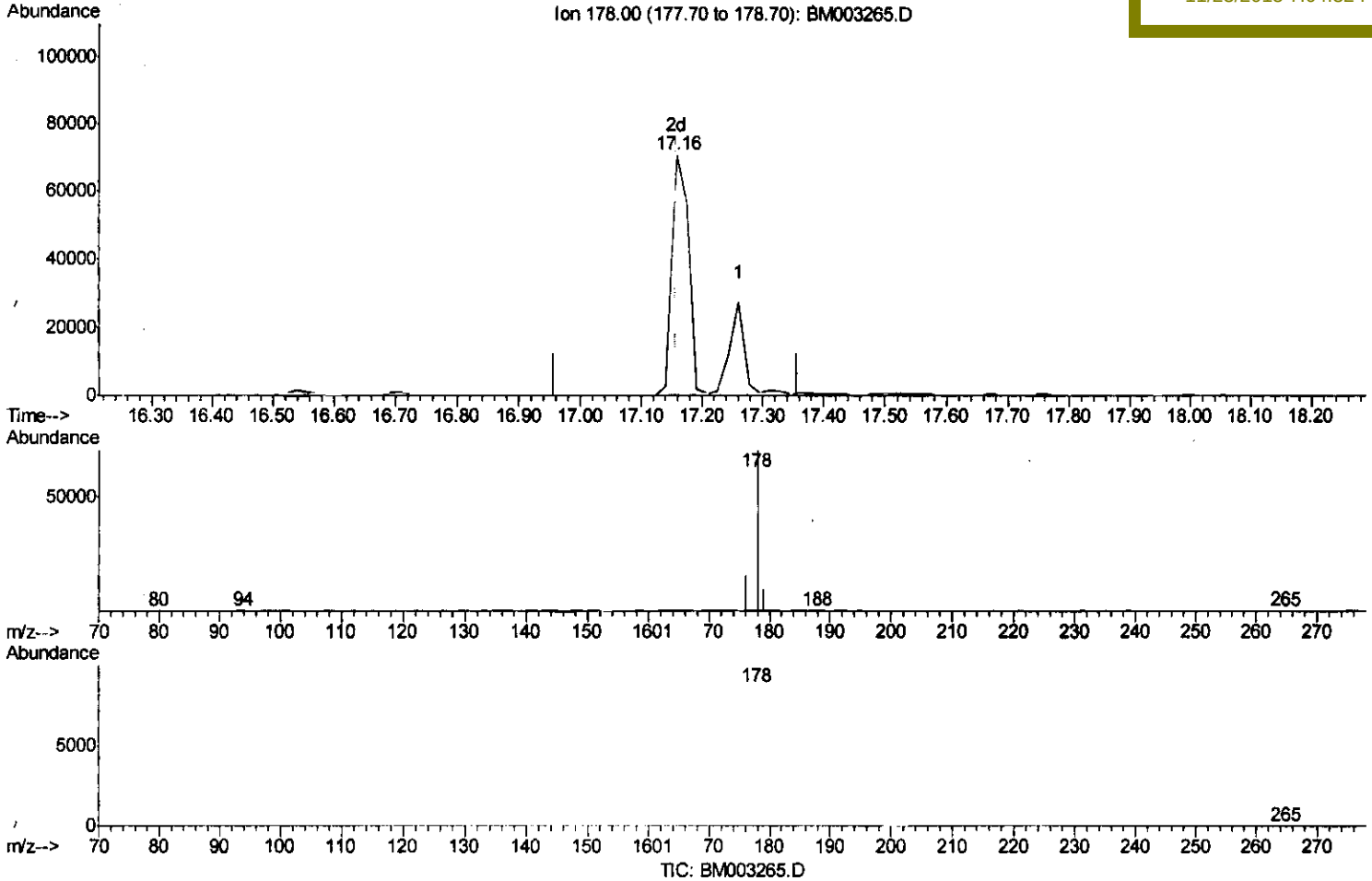
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM112115\  
 Data File : BM003265.D  
 Acq On : 22 Nov 2015 01:16  
 Operator : UM/IZ  
 Sample : G4345-09  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 A4J51

Quant Time: Nov 22 04:48:07 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  
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(14) Phenanthrene

17.157min (-0.000) 0.82ng/ul m

response 135499

Ion Exp% Act%

178.00 100 100

176.00 16.20 22.14#

179.00 17.70 13.70#

0.00 0.00 0.00

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# Quantitation Report (Qedit)

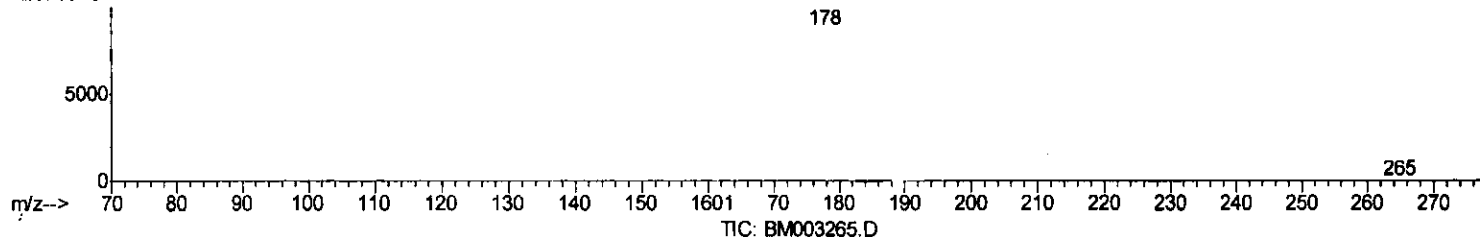
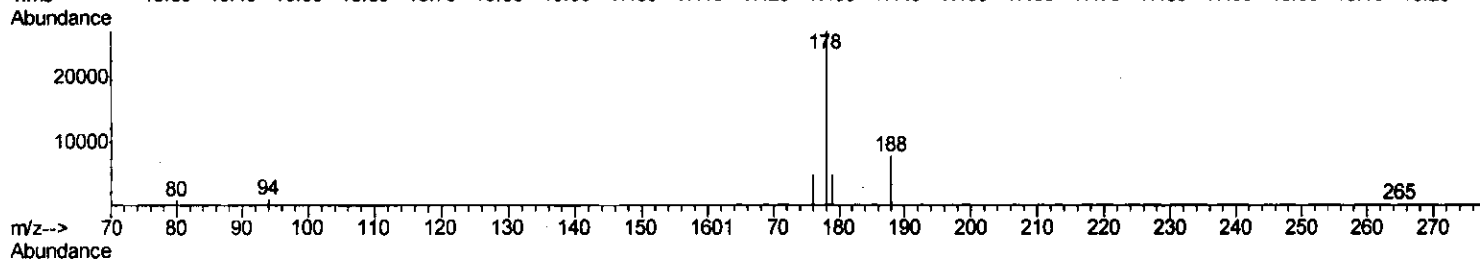
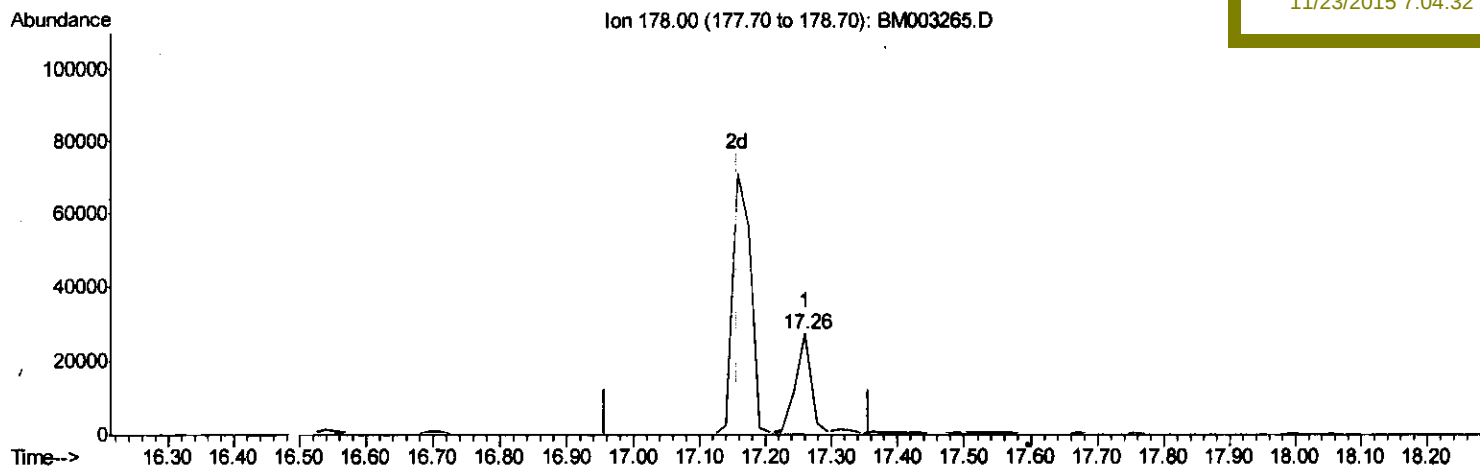
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM112115\  
 Data File : BM003265.D  
 Acq On : 22 Nov 2015 01:16  
 Operator : UM/IZ  
 Sample : G4345-09  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4J51

Quant Time: Nov 22 04:48:07 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  
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(14) Phenanthrene

17.260min (+0.103) 0.26ng/ul

response 42606

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 176.00 | 16.20 | 17.40 |
| 179.00 | 17.70 | 17.44 |
| 0.00   | 0.00  | 0.00  |

Data Path : V:\HPCHEM1\BNA M\DATA\BM112115\  
 Data File : BM003265.D  
 Acq On : 22 Nov 2015 01:16  
 Operator : UM/IZ  
 Sample : G4345-09  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4J51

Quant Time: Nov 22 05:19:50 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  
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| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.74  | 152  | 13271    | 0.40 | ng/ul | 0.00     |
| 4) Naphthalene-d8         | 10.53 | 136  | 52313    | 0.40 | ng/ul | 0.00     |
| 8) Acenaphthene-d10       | 14.38 | 164  | 28260    | 0.40 | ng/ul | 0.00     |
| 12) Phenanthrene-d10      | 17.12 | 188  | 56711    | 0.40 | ng/ul | 0.00     |
| 18) Chrysene-d12          | 21.32 | 240  | 56623    | 0.40 | ng/ul | 0.00     |
| 22) Perylene-d12          | 23.58 | 264  | 56719    | 0.40 | ng/ul | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 2) 1,4-Dioxane-d8           | 3.20  | 96   | 69797    | 4.92 | ng/uL | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.12 | 152  | 13642    | 0.19 | ng/ul | 0.00     |
| 16) Fluoranthene-d10        | 19.17 | 212  | 17530    | 0.13 | ng/ul | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc | Units  | Ovalue |
|----------------------------|-------|------|----------|------|--------|--------|
| 5) Naphthalene             | 10.57 | 128  | 28705    | 0.21 | ng/ul  | 97     |
| 7) 2-Methylnaphthalene     | 12.19 | 142  | 3865     | 0.04 | ng/ul# | 100    |
| 9) Acenaphthylene          | 14.09 | 152  | 51841    | 0.44 | ng/ul  | 99     |
| 10) Acenaphthene           | 14.43 | 153  | 4055     | 0.04 | ng/ul# | 76     |
| 11) Fluorene               | 15.44 | 166  | 9379     | 0.09 | ng/ul# | 89     |
| 13) Pentachlorophenol      | 16.78 | 266  | 770      | 0.06 | ng/ul  | 95     |
| 14) Phenanthrene           | 17.16 | 178  | 135499m  | 0.82 | ng/ul  |        |
| 15) Anthracene             | 17.26 | 178  | 45580    | 0.33 | ng/ul  | 98     |
| 17) Fluoranthene           | 19.19 | 202  | 353383   | 1.94 | ng/ul  | 99     |
| 19) Pyrene                 | 19.55 | 202  | 330949   | 1.70 | ng/ul  | 98     |
| 20) Benzo(a)anthracene     | 21.30 | 228  | 212704   | 1.30 | ng/ul# | 89     |
| 21) Chrysene               | 21.35 | 228  | 180636m  | 0.98 | ng/ul  |        |
| 23) Benzo(b)fluoranthene   | 22.91 | 252  | 248297m  | 1.15 | ng/ul  |        |
| 24) Benzo(k)fluoranthene   | 22.94 | 252  | 94325m   | 0.46 | ng/ul  |        |
| 25) Benzo(a)pyrene         | 23.48 | 252  | 182579   | 0.95 | ng/ul  | 98     |
| 26) Indeno(1,2,3-cd)pyrene | 25.86 | 276  | 108517   | 0.47 | ng/ul# | 94     |
| 27) Dibenzo(a,h)anthracene | 25.87 | 278  | 27500    | 0.15 | ng/ul# | 86     |
| 28) Benzo(a,h,i)perylene   | 26.56 | 276  | 101658   | 0.51 | ng/ul  | 100    |

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

C.M  
 11/25/15