

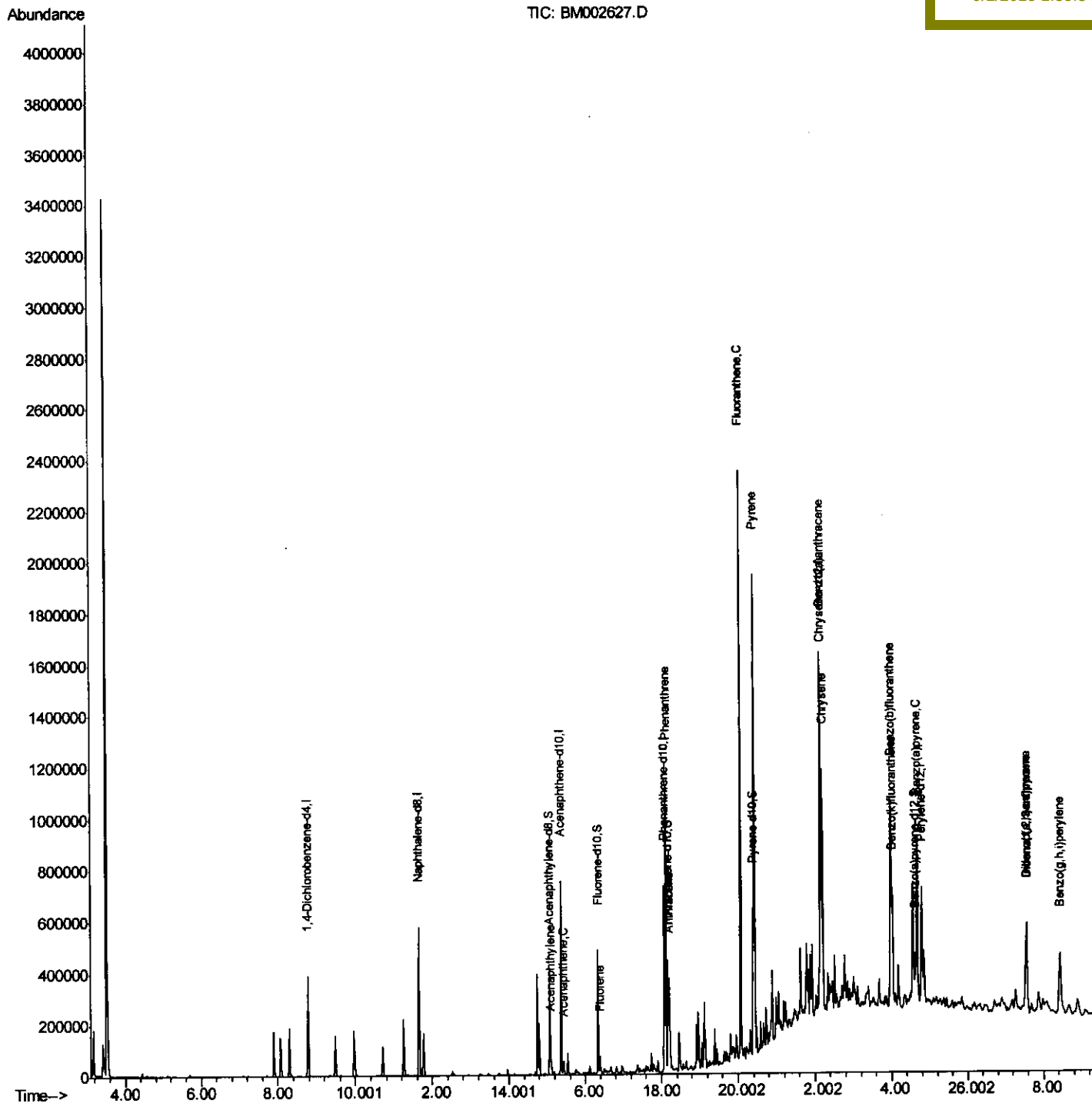
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM083115\  
Data File : BM002627.D  
Acq On : 01 Sep 2015 14:15  
Operator : UM/IZ  
Sample : G3456-14  
Misc :  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
D9E98

Quant Time: Sep 01 15:28:57 2015  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM081415MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Sep 01 07:11:38 2015  
Response via : Initial Calibration

Manual Integrations  
APPROVED

MMDadoda  
9/2/2015 1:35:34 PM



# Quantitation Report (Qedit)

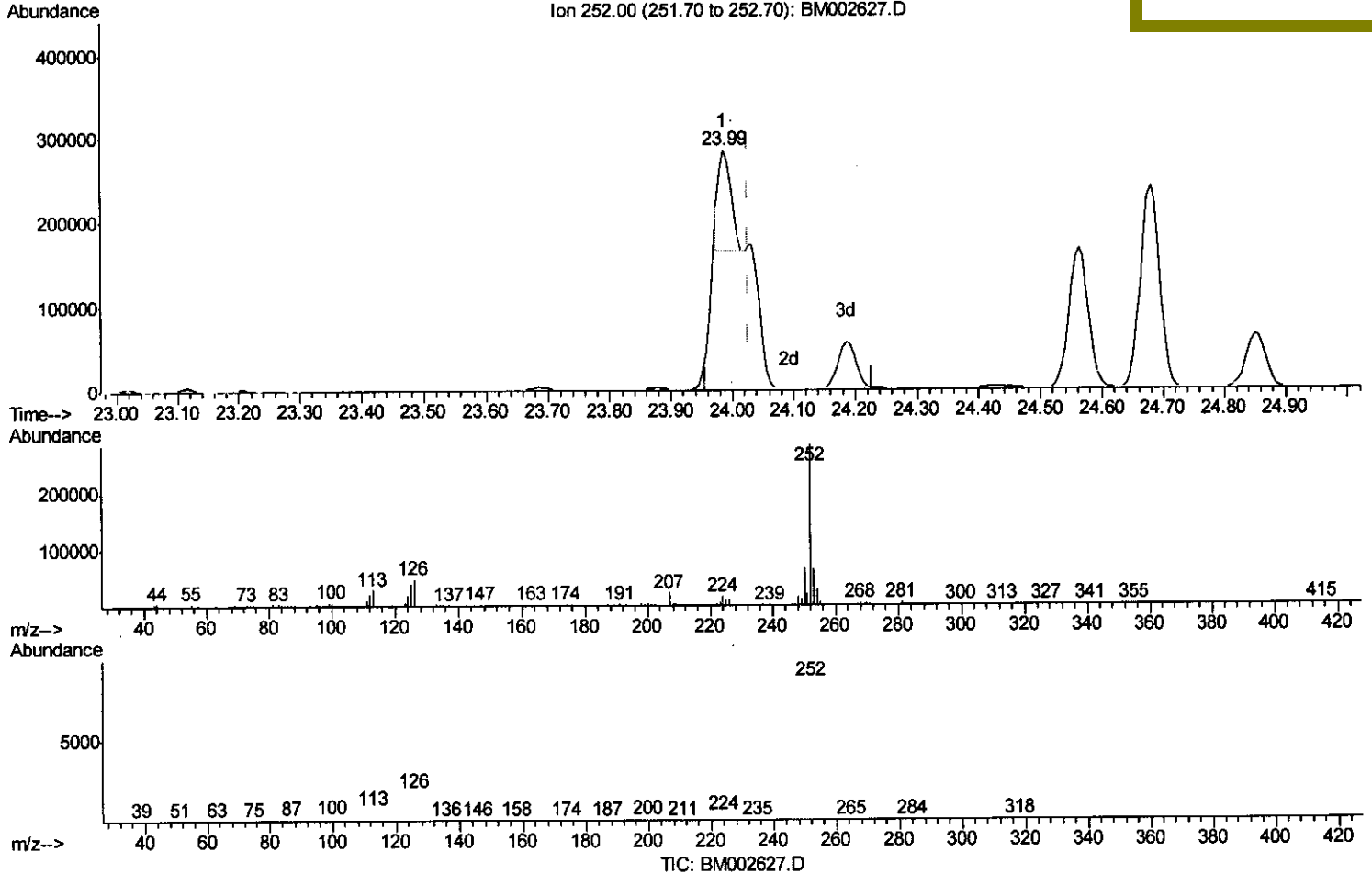
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM083115\  
 Data File : BM002627.D  
 Acq On : 01 Sep 2015 14:15  
 Operator : UM/IZ  
 Sample : G3456-14  
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 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9E98

Quant Time: Sep 01 15:25:57 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM081415MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 01 07:11:38 2015  
 Response via : Initial Calibration

Manual Integrations  
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(24) Benzo(k)fluoranthene  
 23.985min (-0.041) 7.67ng/ul  
 response 163069

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.20 | 22.75 |
| 125.00 | 12.30 | 13.86 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

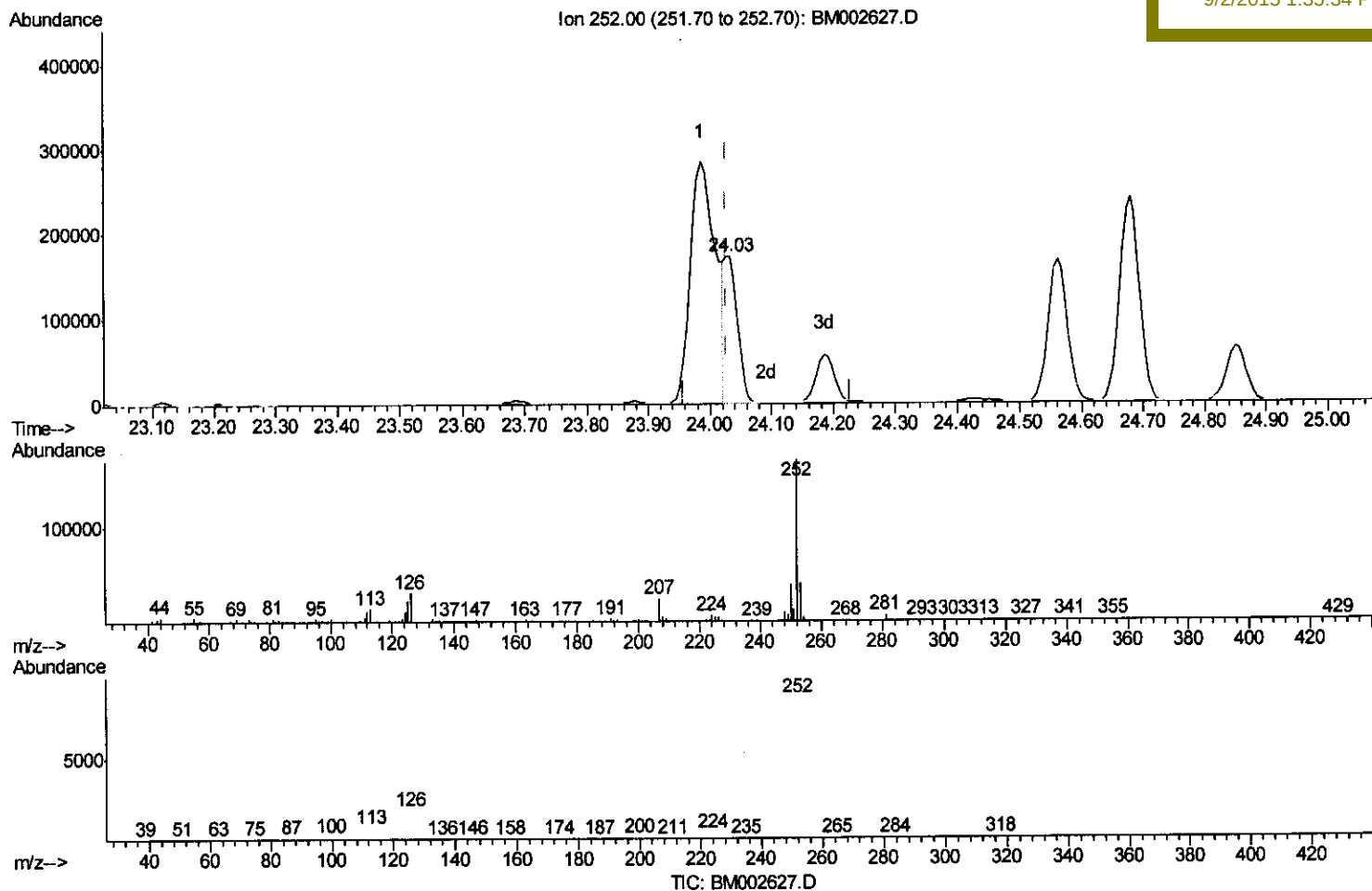
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM083115\  
Data File : BM002627.D  
Acq On : 01 Sep 2015 14:15  
Operator : UM/IZ  
Sample : G3456-14  
Misc :  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
D9E98

Quant Time: Sep 01 15:25:57 2015  
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Quant Title : SVOA CALIBRATION  
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Manual Integrations  
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9/2/2015 1:35:34 PM



(24) Benzo(k)fluoranthene

24.032min (+0.006) 11.43ng/ul m

response 242946

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.20 | 23.69 |
| 125.00 | 12.30 | 13.36 |
| 0.00   | 0.00  | 0.00  |

> U.H  
29/03/15

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM083115\  
 Data File : BM002627.D  
 Acq On : 01 Sep 2015 14:15  
 Operator : UM/IZ  
 Sample : G3456-14  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 Client Sampled :  
 D9E98

Quant Time: Sep 01 15:28:57 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM081415MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 01 07:11:38 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

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 9/2/2015 1:35:34 PM

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.78  | 152  | 120538   | 20.00 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 11.65 | 136  | 534466   | 20.00 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 15.37 | 164  | 260456   | 20.00 | ng/ul | 0.00     |
| 12) Phenanthrene-d10      | 18.08 | 188  | 438611   | 20.00 | ng/ul | 0.00     |
| 17) Chrysene-d12          | 22.16 | 240  | 351044   | 20.00 | ng/ul | 0.00     |
| 22) Perylene-d12          | 24.79 | 264  | 371033   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                        |       |     |        |       |       |      |
|------------------------|-------|-----|--------|-------|-------|------|
| 7) Acenaphthylene-d8   | 15.07 | 160 | 323763 | 12.16 | ng/ul | 0.00 |
| 10) Fluorene-d10       | 16.34 | 176 | 196566 | 10.51 | ng/ul | 0.00 |
| 14) Anthracene-d10     | 18.17 | 188 | 249233 | 11.78 | ng/ul | 0.00 |
| 18) Pyrene-d10         | 20.40 | 212 | 181488 | 11.66 | ng/ul | 0.00 |
| 25) Benzo(a)pyrene-d12 | 24.62 | 264 | 169657 | 8.70  | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |         |       |        | Qvalue |
|----------------------------|-------|-----|---------|-------|--------|--------|
| 8) Acenaphthylene          | 15.10 | 152 | 56889   | 2.04  | ng/ul  | 96     |
| 9) Acenaphthene            | 15.43 | 153 | 24905   | 1.36  | ng/ul  | 96     |
| 11) Fluorene               | 16.40 | 166 | 34060   | 1.62  | ng/ul  | 97     |
| 13) Phenanthrene           | 18.12 | 178 | 706231  | 27.88 | ng/ul  | 99     |
| 15) Anthracene             | 18.21 | 178 | 234575  | 9.14  | ng/ul  | 100    |
| 16) Fluoranthene           | 20.07 | 202 | 1421266 | 49.57 | ng/ul  | 97     |
| 19) Pyrene                 | 20.43 | 202 | 1113324 | 54.14 | ng/ul  | 99     |
| 20) Benzo(a)anthracene     | 22.14 | 228 | 641621  | 30.56 | ng/ul  | 99     |
| 21) Chrysene               | 22.20 | 228 | 567192  | 28.89 | ng/ul  | 97     |
| 23) Benzo(b)fluoranthene   | 23.99 | 252 | 814274  | 36.30 | ng/ul  | 97     |
| 24) Benzo(k)fluoranthene   | 24.03 | 252 | 242946m | 11.43 | ng/ul  | 97     |
| 26) Benzo(a)pyrene         | 24.68 | 252 | 529972  | 24.74 | ng/ul  | 97     |
| 27) Indeno(1,2,3-cd)pyrene | 27.57 | 276 | 371093  | 15.06 | ng/ul  | 95     |
| 28) Dibenzo(a,h)anthracene | 27.56 | 278 | 109567  | 5.32  | ng/ul# | 76     |
| 29) Benzo(g,h,i)perylene   | 28.43 | 276 | 299337  | 14.59 | ng/ul  | 98     |

U.M  
 09/03/15

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