

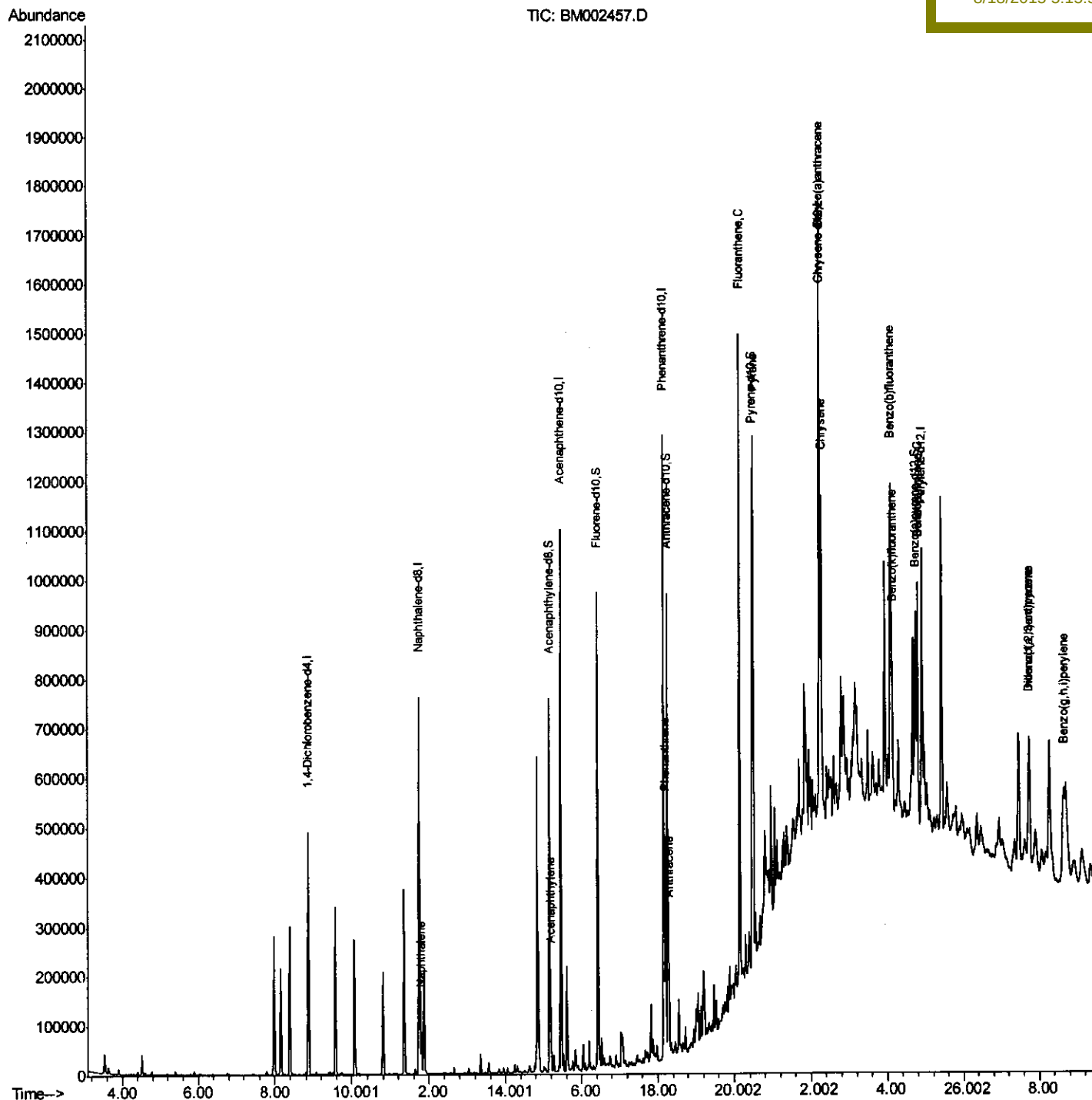
Data Path : Z:\HPCHEM1\BNA M\DATA\BM081715\  
Data File : BM002457.D  
Acq On : 17 Aug 2015 18:40  
Operator : UM/IZ  
Sample : G3227-08  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
D9DC7

Quant Time: Aug 18 02:41:14 2015  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Aug 18 01:54:16 2015  
Response via : Initial Calibration

Manual Integrations  
APPROVED

MMDadoda  
8/18/2015 5:15:57 PM



# Quantitation Report (Qedit)

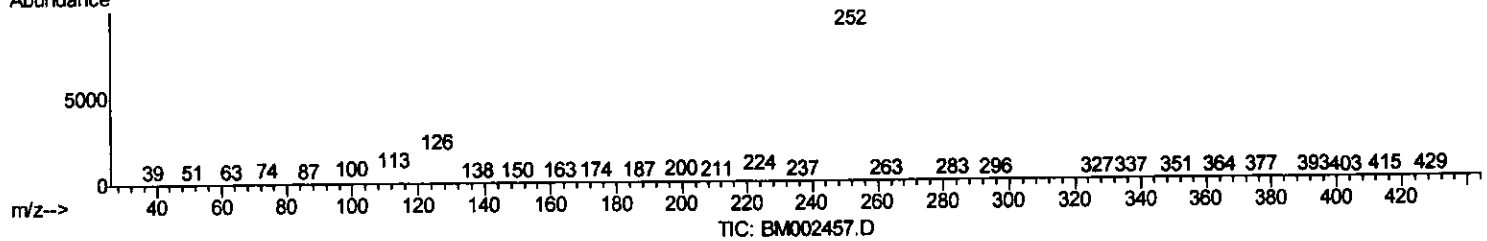
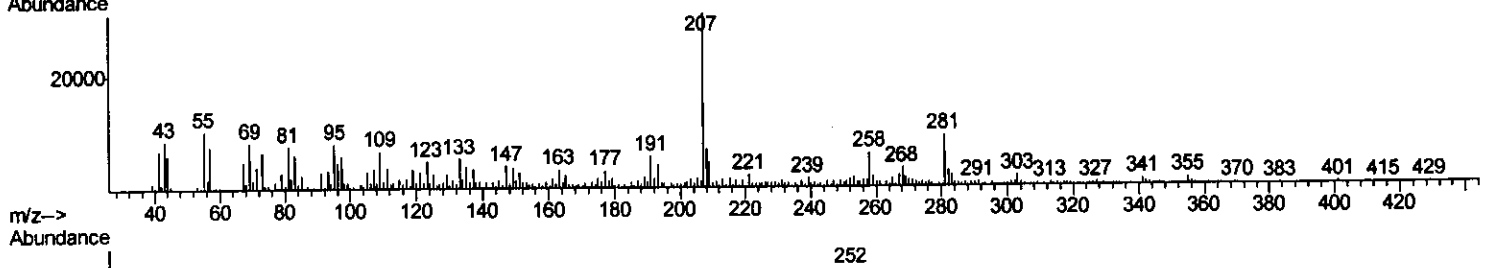
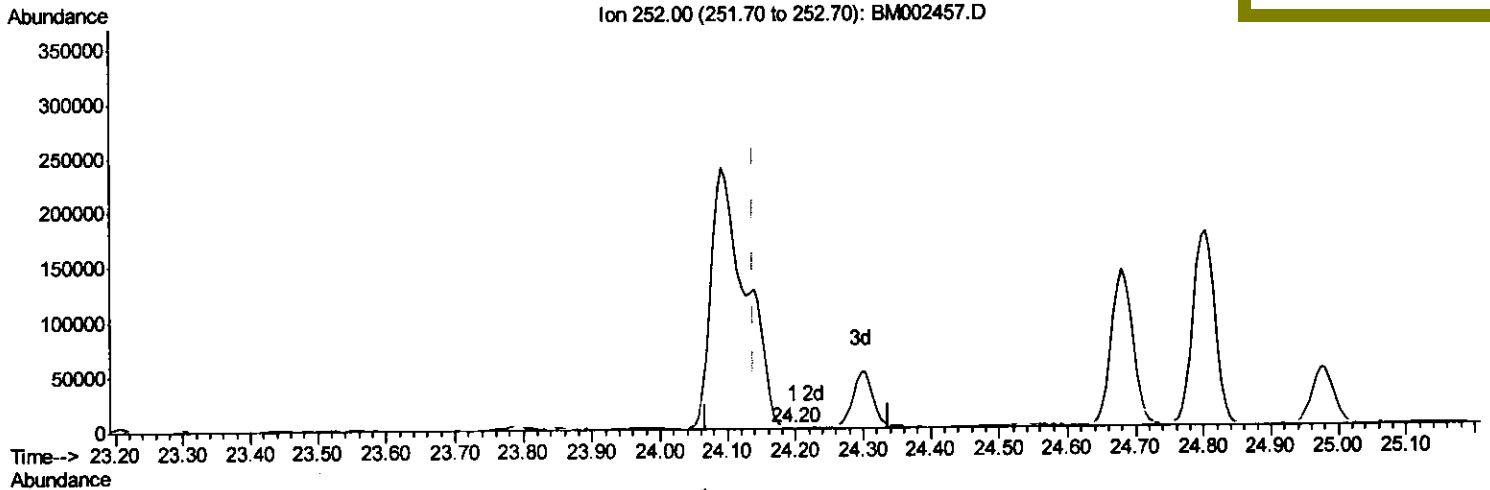
Data Path : Z:\HPCHEM1\BNA M\DATA\BM081715\  
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 BNA M  
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Quant Time: Aug 18 02:02:39 2015  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Aug 18 01:54:16 2015  
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Manual Integrations  
 APPROVED

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 8/18/2015 5:15:57 PM



(24) Benzo(k)fluoranthene

24.197min (+0.059) 0.01ng/ul

response 247

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 252.00 | 100   | 100     |
| 253.00 | 22.20 | 119.01# |
| 125.00 | 12.30 | 167.64# |
| 0.00   | 0.00  | 0.00    |

## Quantitation Report (Qedit)

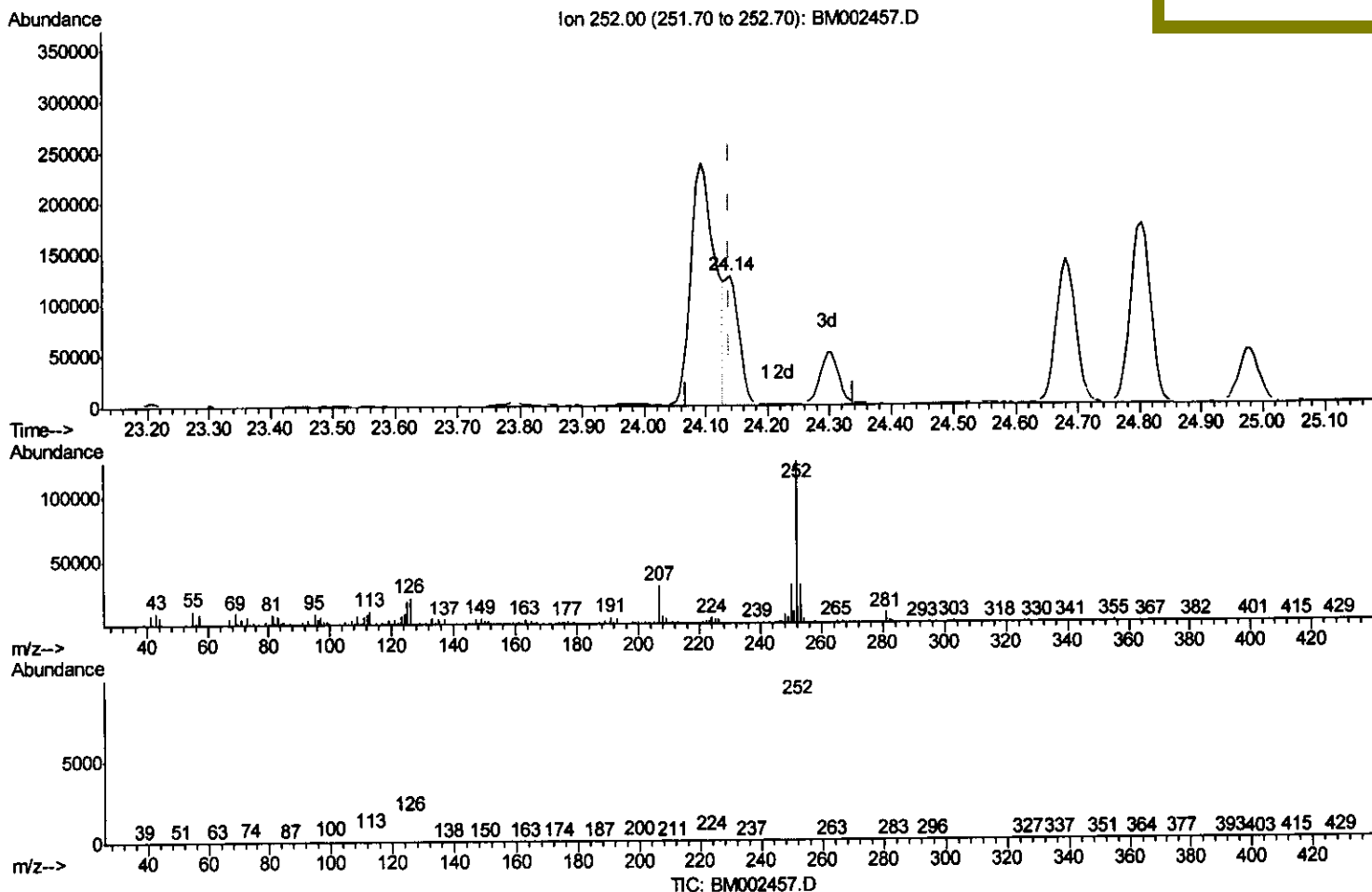
Data Path : Z:\HPCHEM1\BNA M\DATA\BM081715\  
Data File : BM002457.D  
Acq On : 17 Aug 2015 18:40  
Operator : UM/IZ  
Sample : G3227-08  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Time: Aug 18 02:02:39 2015  
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Quant Title : SVOA CALIBRATION  
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Manual Integrations  
APPROVED

MMDadoda  
8/18/2015 5:15:57 PM



(24) Benzo(k)fluoranthene

24.139min (+0.000) 7.24ng/ul m

response 196866

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 22.20 | 24.38  |
| 125.00 | 12.30 | 14.87# |
| 0.00   | 0.00  | 0.00   |

U.M  
8/19/15

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081715\  
 Data File : BM002457.D  
 Acq On : 17 Aug 2015 18:40  
 Operator : UM/IZ  
 Sample : G3227-08  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9DC7

Quant Time: Aug 18 02:41:14 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M  
 Quant Title : SVOA CALIBRATION  
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Manual Integrations  
 APPROVED

MMDadoda  
 8/18/2015 5:15:57 PM

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.87  | 152  | 150302   | 20.00 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 11.75 | 136  | 706388   | 20.00 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 15.46 | 164  | 371561   | 20.00 | ng/ul | 0.00     |
| 12) Phenanthrene-d10      | 18.16 | 188  | 733517   | 20.00 | ng/ul | 0.00     |
| 17) Chrysene-d12          | 22.24 | 240  | 524744   | 20.00 | ng/ul | 0.00     |
| 22) Perylene-d12          | 24.92 | 264  | 474816   | 20.00 | ng/ul | 0.01     |

## System Monitoring Compounds

|                        |       |     |        |       |       |      |
|------------------------|-------|-----|--------|-------|-------|------|
| 7) Acenaphthylene-d8   | 15.16 | 160 | 583202 | 15.35 | ng/ul | 0.00 |
| 10) Fluorene-d10       | 16.43 | 176 | 388619 | 14.56 | ng/ul | 0.00 |
| 14) Anthracene-d10     | 18.26 | 188 | 550318 | 15.55 | ng/ul | 0.00 |
| 18) Pyrene-d10         | 20.48 | 212 | 486117 | 20.90 | ng/ul | 0.00 |
| 25) Benzo(a)pyrene-d12 | 24.74 | 264 | 378275 | 15.17 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |         |       |        | Ovalue |
|----------------------------|-------|-----|---------|-------|--------|--------|
| 3) Naphthalene             | 11.80 | 128 | 80170   | 2.22  | ng/ul  | 100    |
| 8) Acenaphthylene          | 15.19 | 152 | 110232  | 2.77  | ng/ul  | 99     |
| 13) Phenanthrene           | 18.20 | 178 | 280298  | 6.62  | ng/ul  | 99     |
| 15) Anthracene             | 18.29 | 178 | 139596  | 3.25  | ng/ul  | 99     |
| 16) Fluoranthene           | 20.15 | 202 | 788222  | 16.44 | ng/ul  | 99     |
| 19) Pyrene                 | 20.51 | 202 | 636639  | 20.71 | ng/ul  | 98     |
| 20) Benzo(a)anthracene     | 22.23 | 228 | 408888  | 13.03 | ng/ul  | 97     |
| 21) Chrysene               | 22.29 | 228 | 428752  | 14.61 | ng/ul  | 96     |
| 23) Benzo(b)fluoranthene   | 24.09 | 252 | 644473  | 22.45 | ng/ul  | 97     |
| 24) Benzo(k)fluoranthene   | 24.14 | 252 | 196866m | 7.24  | ng/ul  |        |
| 26) Benzo(a)pyrene         | 24.80 | 252 | 399407  | 14.57 | ng/ul  | 96     |
| 27) Indeno(1,2,3-cd)pyrene | 27.75 | 276 | 294519  | 9.34  | ng/ul  | 94     |
| 28) Dibenzo(a,h)anthracene | 27.74 | 278 | 77008   | 2.92  | ng/ul# | 80     |
| 29) Benzo(a,h,i)perylene   | 28.64 | 276 | 244411  | 9.31  | ng/ul  | 99     |

U.M.  
 8/19/15

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