

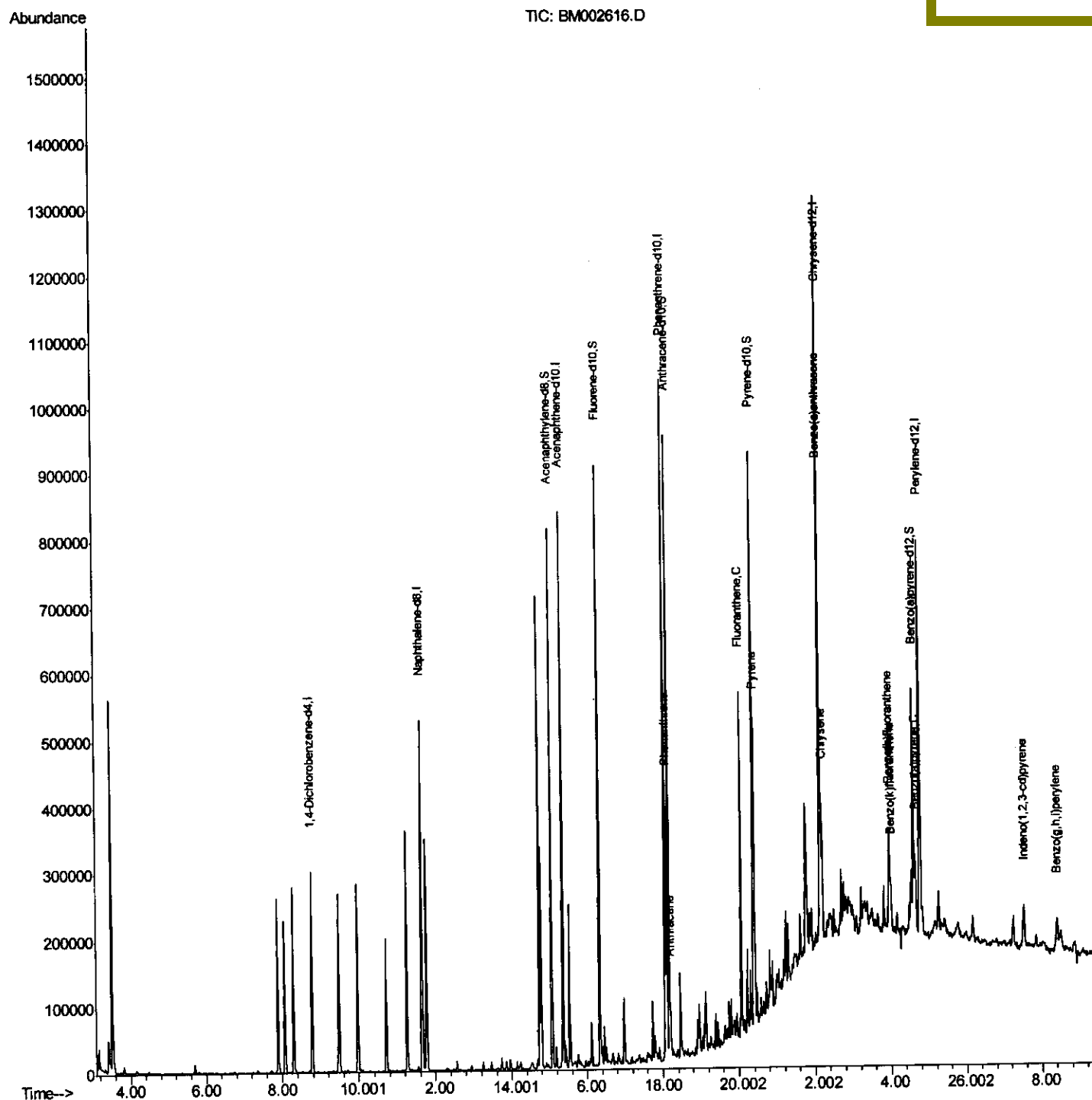
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM083115\  
Data File : BM002616.D  
Acq On : 01 Sep 2015 07:34  
Operator : UM/IZ  
Sample : G3457-12  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
Client Sampled :  
D9EB6

Quant Time: Sep 01 08:07:44 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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9/1/2015 2:56:37 PM



# Quantitation Report (Qedit)

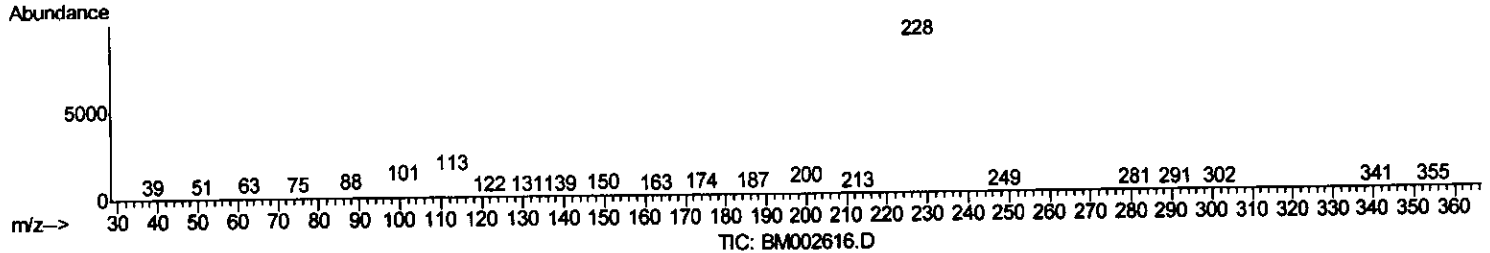
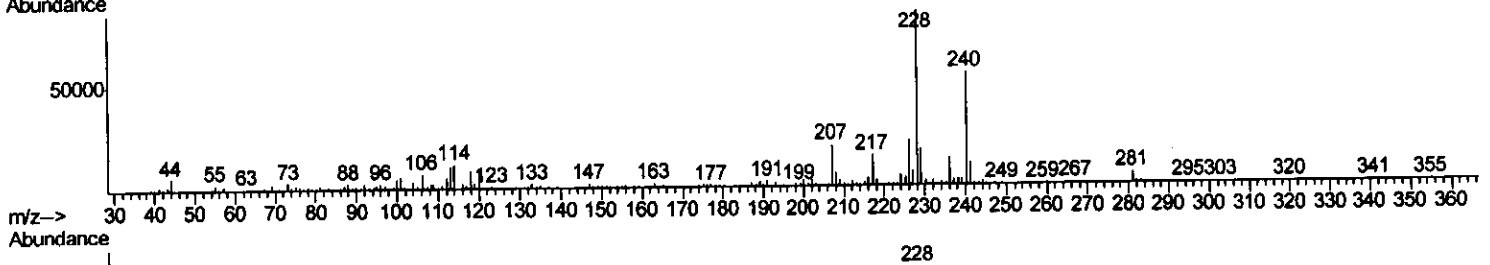
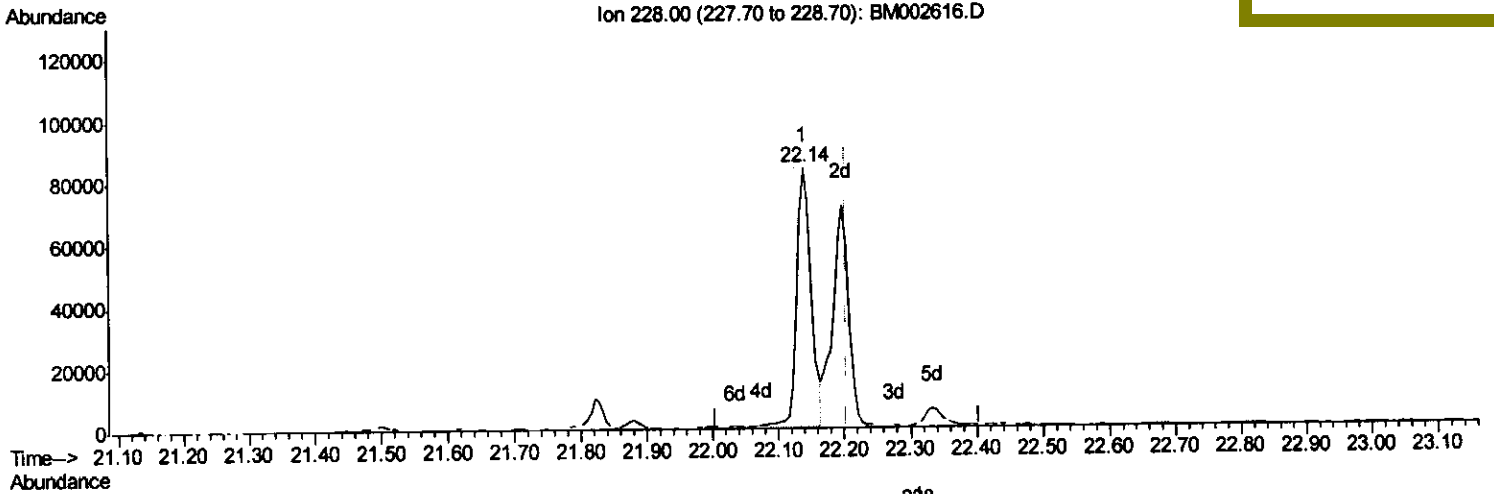
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM083115\  
 Data File : BM002616.D  
 Acq On : 01 Sep 2015 07:34  
 Operator : UM/IZ  
 Sample : G3457-12  
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Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9EB6

Quant Time: Sep 01 08:05:08 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  
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(21) Chrysene

22.139min (-0.065) 4.23ng/ui

response 127302

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 29.30 | 26.21 |
| 229.00 | 19.60 | 21.46 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

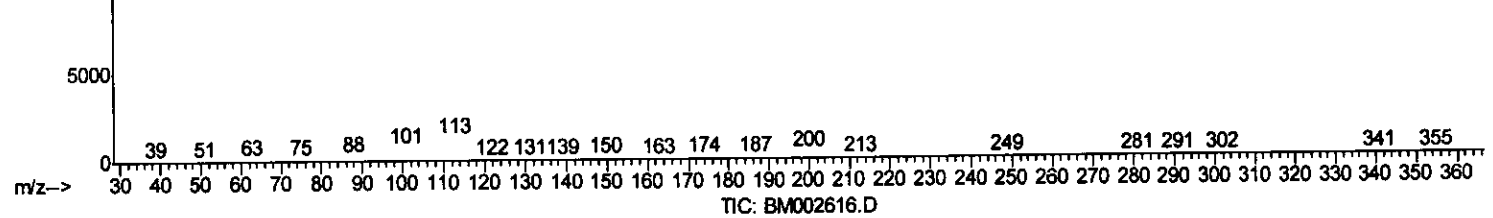
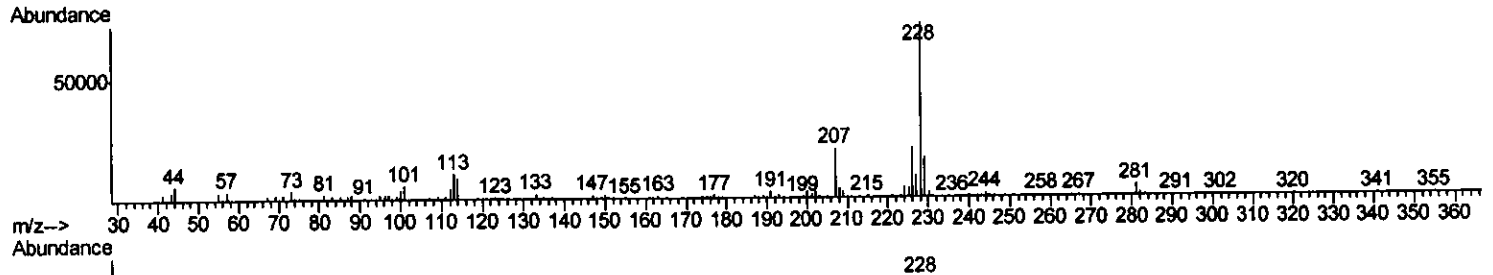
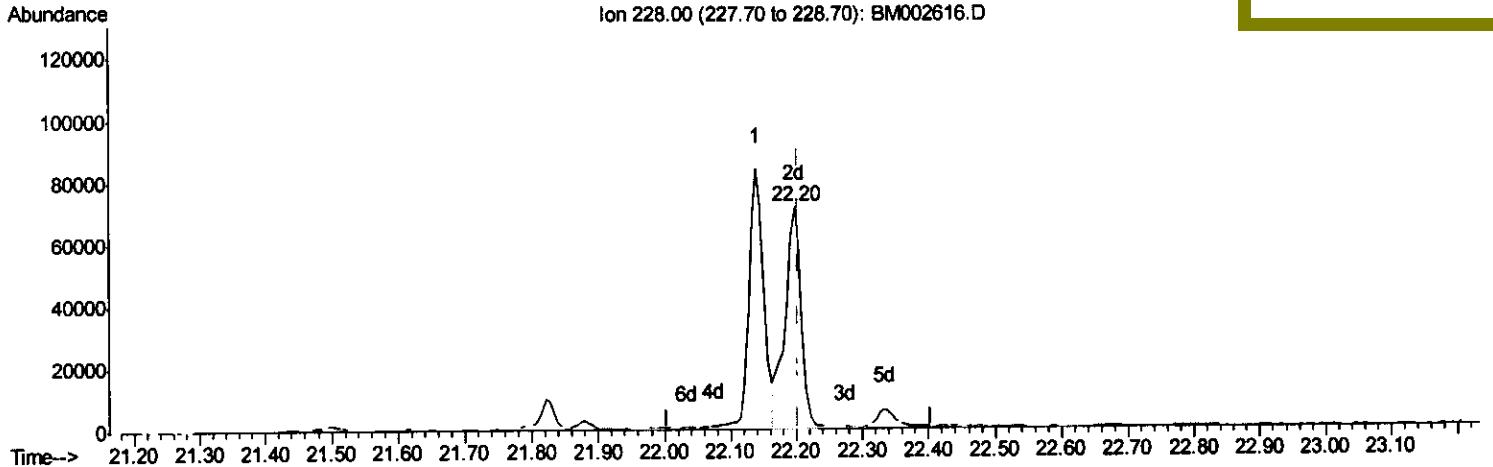
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM083115\  
 Data File : BM002616.D  
 Acq On : 01 Sep 2015 07:34  
 Operator : UM/IZ  
 Sample : G3457-12  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9EB6

Quant Time: Sep 01 08:05:08 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  
 9/1/2015 2:56:37 PM



(21) Chrysene

22.197min (-0.006) 4.08ng/ul m

response 122947

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 226.00 | 29.30 | 29.36  |
| 229.00 | 19.60 | 23.63% |
| 0.00   | 0.00  | 0.00   |

U.M  
 09/03/15

## Quantitation Report (Qedit)

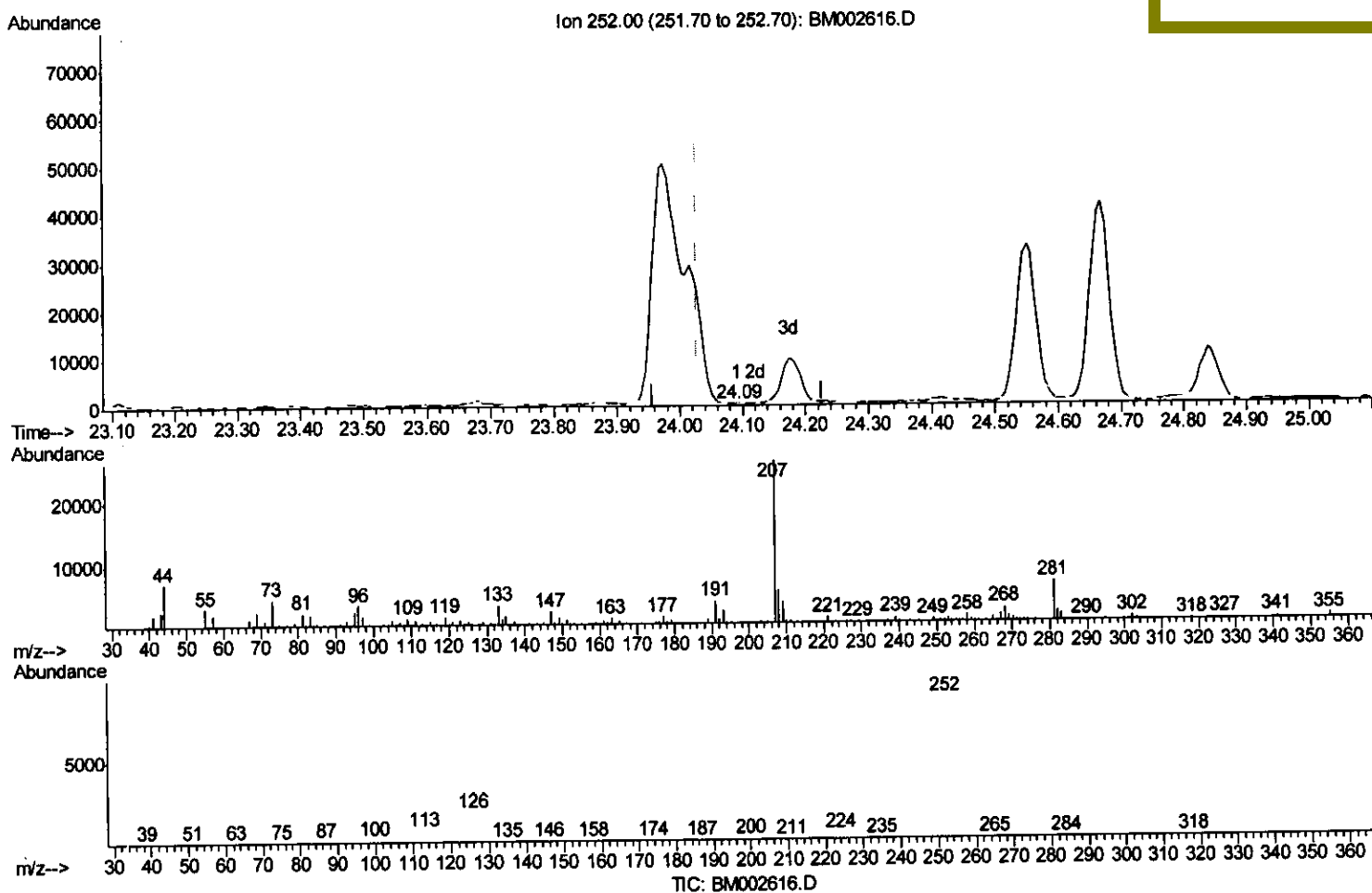
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM083115\  
Data File : BM002616.D  
Acq On : 01 Sep 2015 07:34  
Operator : UM/IZ  
Sample : G3457-12  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
D9EB6

Quant Time: Sep 01 08:05:08 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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9/1/2015 2:56:37 PM



(24) Benzo(k)fluoranthene

24.091min (+0.065) 0.00ng/ui

response 75

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 252.00 | 100   | 100     |
| 253.00 | 22.20 | 147.59# |
| 125.00 | 12.30 | 139.48# |
| 0.00   | 0.00  | 0.00    |

## Quantitation Report (Qedit)

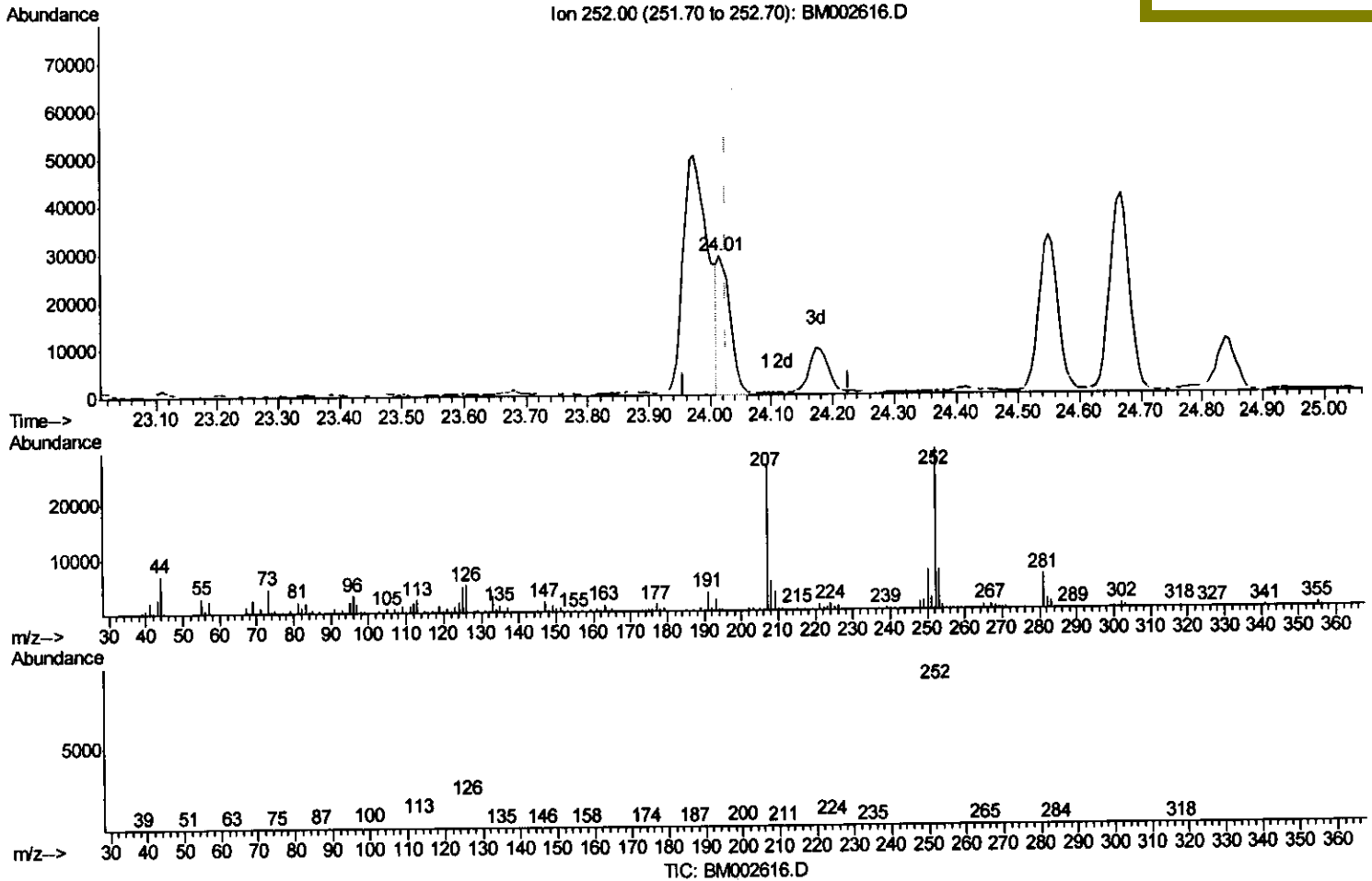
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM083115\  
 Data File : BM002616.D  
 Acq On : 01 Sep 2015 07:34  
 Operator : UM/IZ  
 Sample : G3457-12  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9EB6

Quant Time: Sep 01 08:05:08 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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 9/1/2015 2:56:37 PM



(24) Benzo(k)fluoranthene

24.015min (-0.012) 1.49ng/ul m

response 42023

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 22.20 | 25.74  |
| 125.00 | 12.30 | 16.84# |
| 0.00   | 0.00  | 0.00   |

U.M  
 09/03/15

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM083115\  
 Data File : BM002616.D  
 Acq On : 01 Sep 2015 07:34  
 Operator : UM/IZ  
 Sample : G3457-12  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9EB6

Quant Time: Sep 01 08:07:44 2015  
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 Quant Title : SVOA CALIBRATION  
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Manual Integrations  
 APPROVED

MMDadoda  
 9/1/2015 2:56:37 PM

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.77  | 152  | 96452    | 20.00 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 11.65 | 136  | 499611   | 20.00 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 15.37 | 164  | 290162   | 20.00 | ng/ul | 0.00     |
| 12) Phenanthrene-d10      | 18.07 | 188  | 612920   | 20.00 | ng/ul | 0.00     |
| 17) Chrysene-d12          | 22.16 | 240  | 538408   | 20.00 | ng/ul | 0.00     |
| 22) Perylene-d12          | 24.79 | 264  | 491184   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                        |       |     |        |       |       |      |
|------------------------|-------|-----|--------|-------|-------|------|
| 7) Acenaphthylene-d8   | 15.07 | 160 | 607355 | 20.47 | ng/ul | 0.00 |
| 10) Fluorene-d10       | 16.34 | 176 | 376641 | 18.08 | ng/ul | 0.00 |
| 14) Anthracene-d10     | 18.17 | 188 | 537849 | 18.19 | ng/ul | 0.00 |
| 18) Pyrene-d10         | 20.40 | 212 | 414625 | 17.37 | ng/ul | 0.00 |
| 25) Benzo(a)pyrene-d12 | 24.61 | 264 | 295740 | 11.46 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |         |      |        | Qvalue |
|----------------------------|-------|-----|---------|------|--------|--------|
| 13) Phenanthrene           | 18.12 | 178 | 226942  | 6.41 | ng/ul  | 100    |
| 15) Anthracene             | 18.20 | 178 | 48564   | 1.35 | ng/ul  | 98     |
| 16) Fluoranthene           | 20.07 | 202 | 310803  | 7.76 | ng/ul  | 96     |
| 19) Pyrene                 | 20.43 | 202 | 241282  | 7.65 | ng/ul  | 99     |
| 20) Benzo(a)anthracene     | 22.14 | 228 | 127330  | 3.95 | ng/ul  | 98     |
| 21) Chrysene               | 22.20 | 228 | 122947m | 4.08 | ng/ul  |        |
| 23) Benzo(b)fluoranthene   | 23.97 | 252 | 141268  | 4.76 | ng/ul# | 94     |
| 24) Benzo(k)fluoranthene   | 24.01 | 252 | 42023m  | 1.49 | ng/ul  |        |
| 26) Benzo(a)pyrene         | 24.67 | 252 | 91879   | 3.24 | ng/ul# | 95     |
| 27) Indeno(1,2,3-cd)pyrene | 27.54 | 276 | 61632   | 1.89 | ng/ul  | 94     |
| 29) Benzo(g,h,i)perylene   | 28.40 | 276 | 64630   | 2.38 | ng/ul  | 95     |

U.H  
 09/03/15

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