

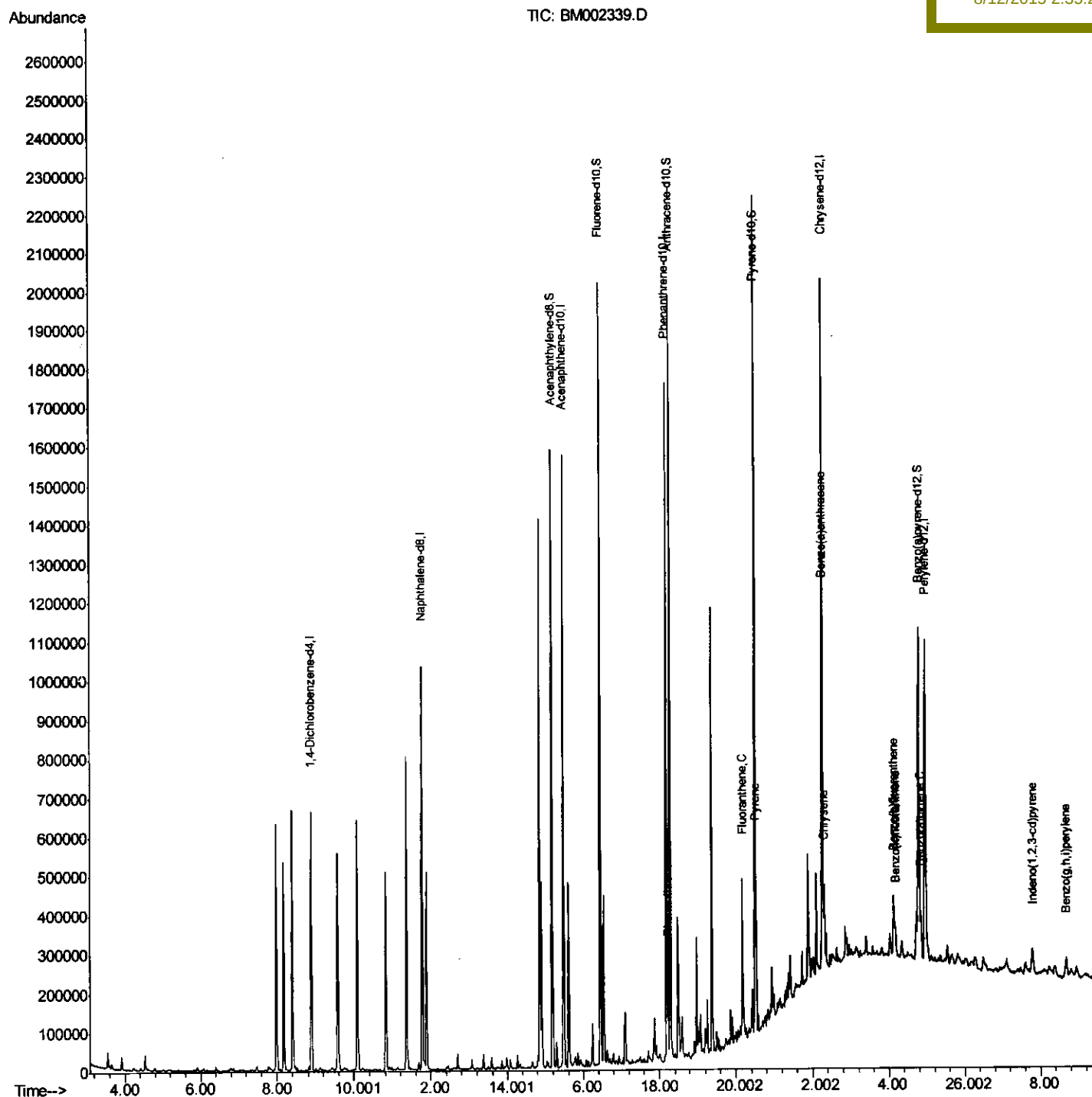
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
Data File : BM002339.D  
Acq On : 12 Aug 2015 01:19  
Operator : UM/IZ  
Sample : G3162-13  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampled :  
D9C80

Quant Time: Aug 12 04:59:51 2015  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080715MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 12 04:50:31 2015  
Response via : Initial Calibration

Manual Integrations  
APPROVED

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# Quantitation Report (Qedit)

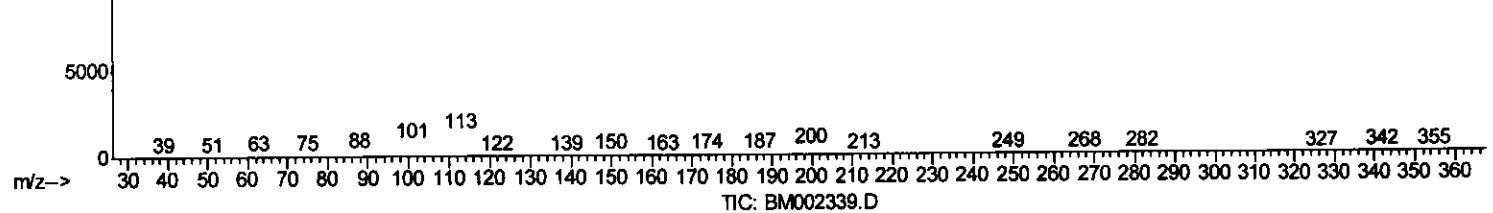
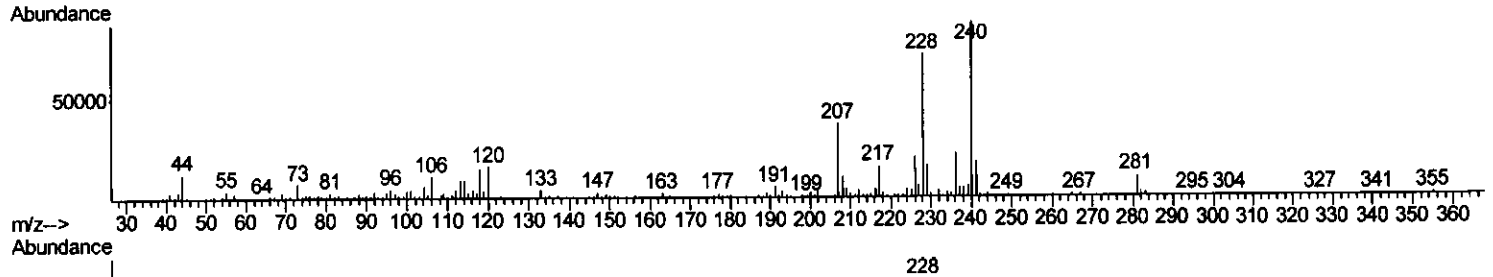
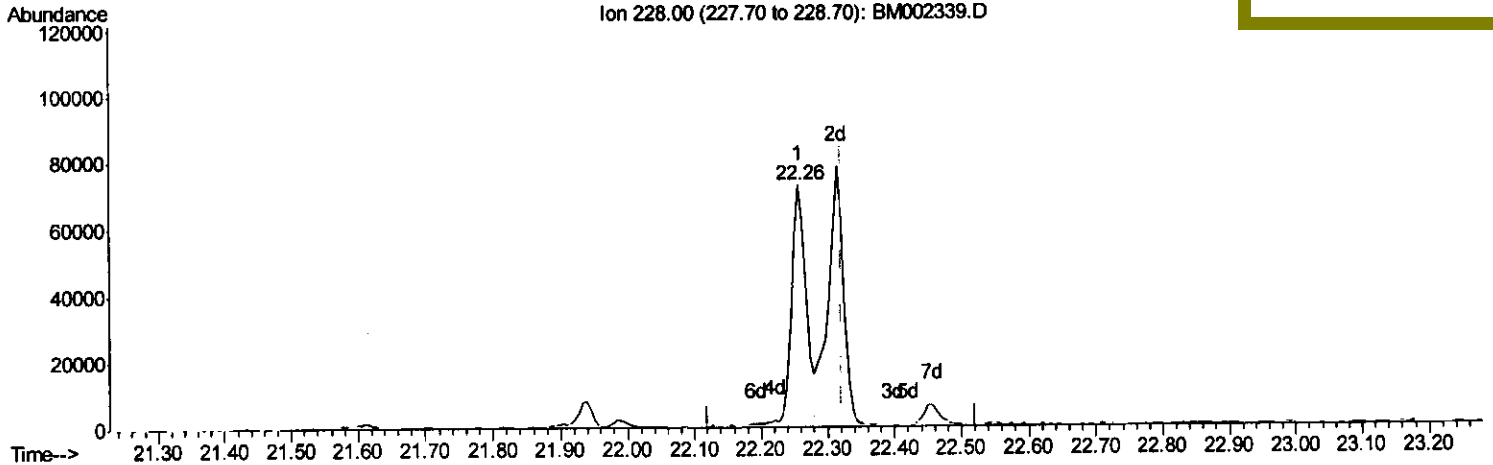
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
 Data File : BM002339.D  
 Acq On : 12 Aug 2015 01:19  
 Operator : UM/IZ  
 Sample : G3162-13  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9C80

Quant Time: Aug 12 04:51:26 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080715MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 12 04:50:31 2015  
 Response via : Initial Calibration

Manual Integrations  
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(21) Chrysene

22.256min (-0.065) 2.15ng/ul

response 109398

| ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 29.20 | 28.19 |
| 229.00 | 19.40 | 21.88 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

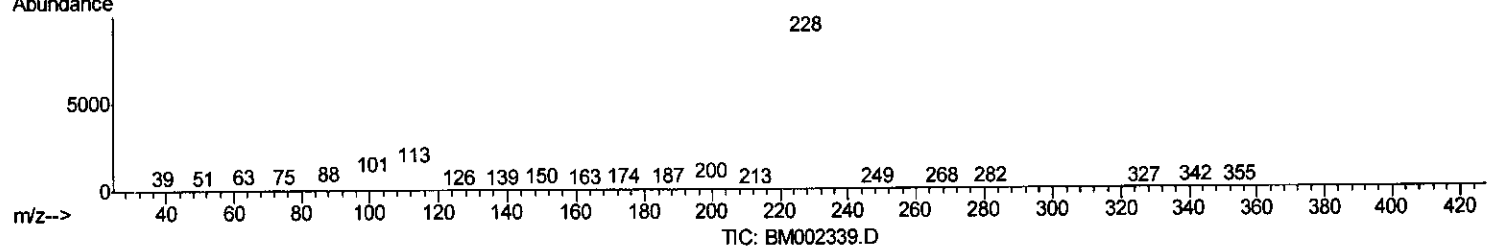
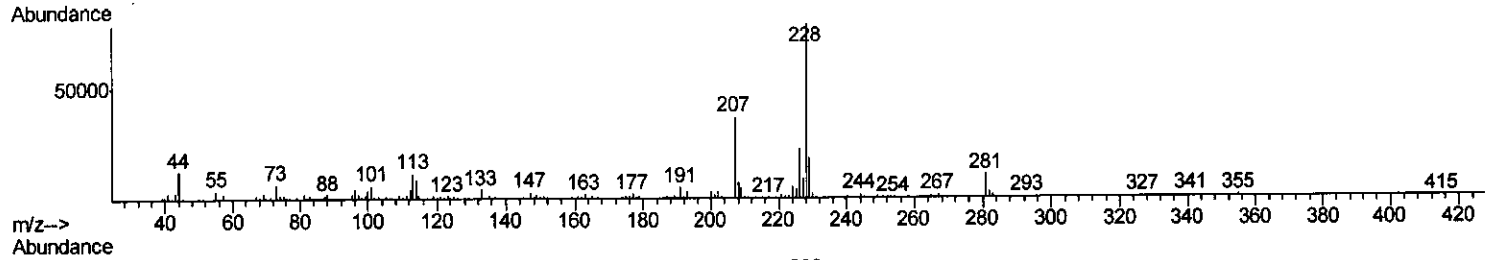
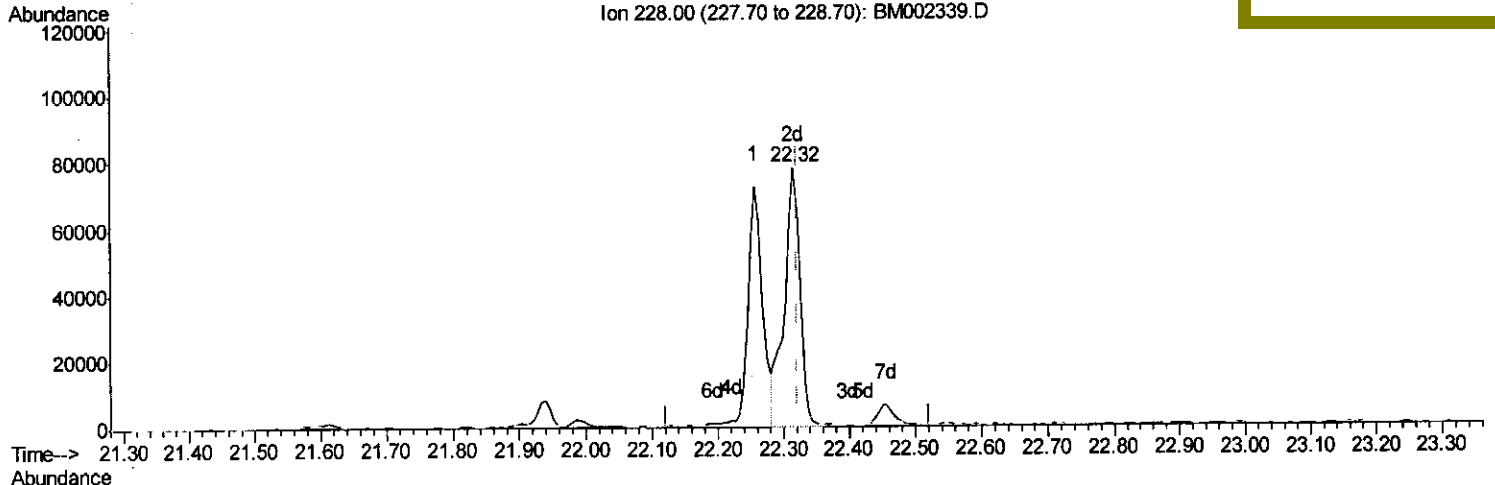
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
 Data File : BM002339.D  
 Acq On : 12 Aug 2015 01:19  
 Operator : UM/IZ  
 Sample : G3162-13  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9C80

Manual Integrations  
 APPROVED

MMDadoda  
 8/12/2015 2:35:29 PM

Quant Time: Aug 12 04:51:26 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080715MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 12 04:50:31 2015  
 Response via : Initial Calibration



(21) Chrysene

22.315min (-0.006) 2.55ng/ul m

response 129978

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 226.00 | 29.20 | 29.40  |
| 229.00 | 19.40 | 23.34# |
| 0.00   | 0.00  | 0.00   |

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# Quantitation Report (Qedit)

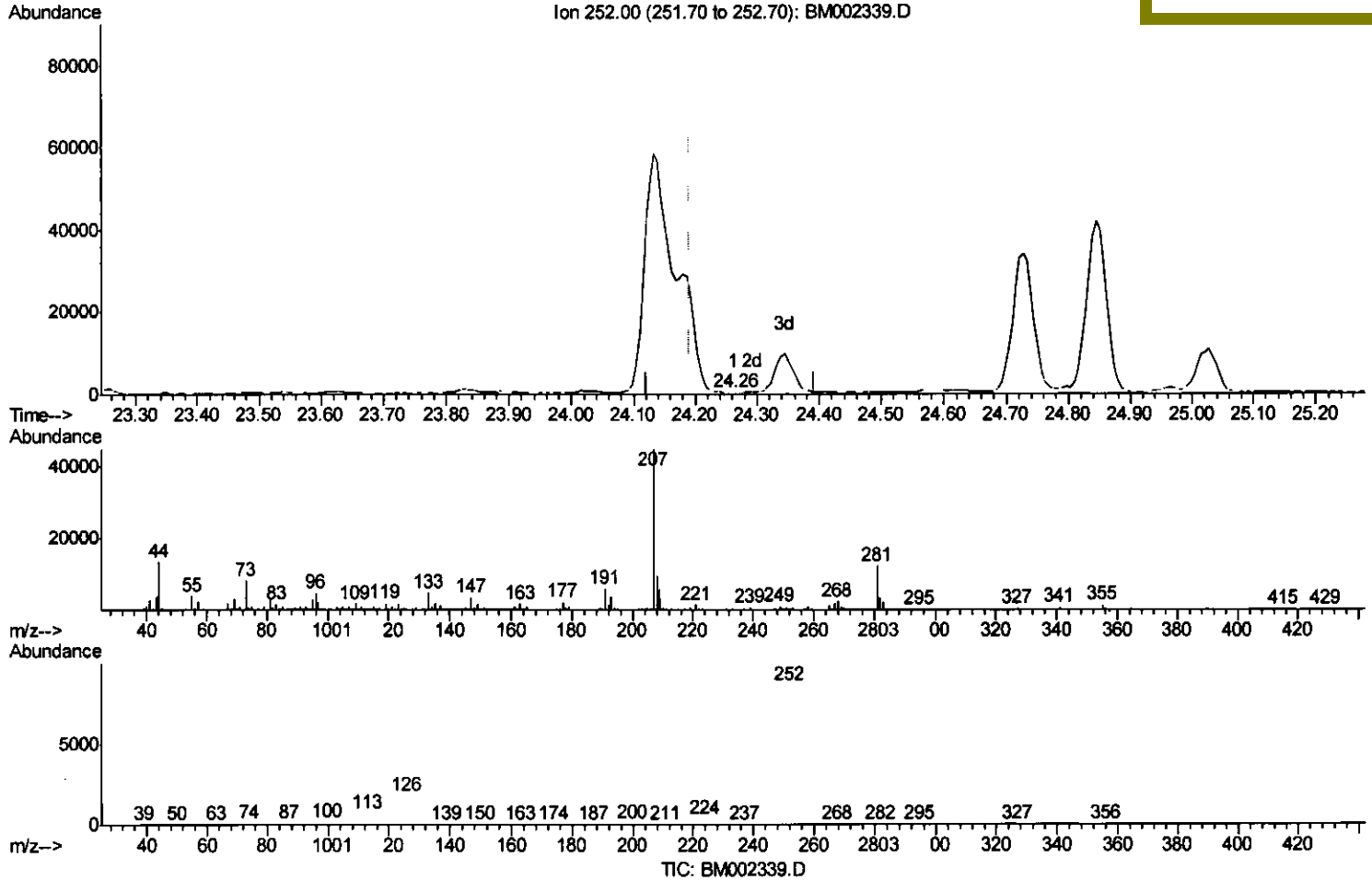
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
 Data File : BM002339.D  
 Acq On : 12 Aug 2015 01:19  
 Operator : UM/IZ  
 Sample : G3162-13  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9C80

Quant Time: Aug 12 04:51:26 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080715MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 12 04:50:31 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

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 8/12/2015 2:35:29 PM



(24) Benzo(k)fluoranthene

24.262min (+0.070) 0.01ng/ul

response 205

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 252.00 | 100   | 100     |
| 253.00 | 21.60 | 124.70# |
| 125.00 | 12.80 | 144.46# |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

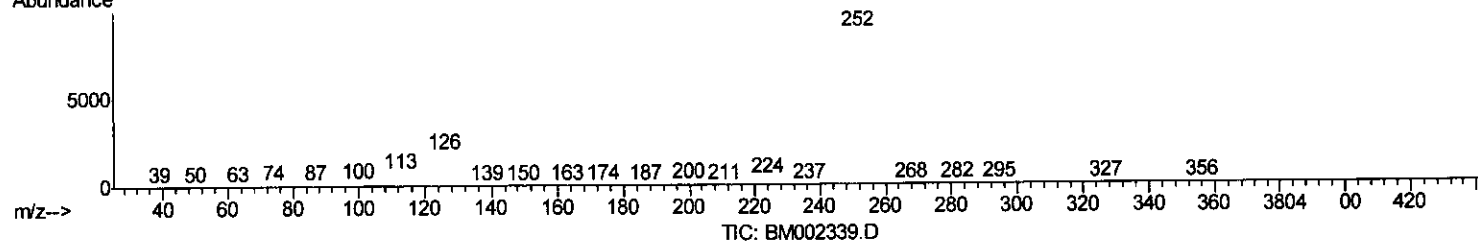
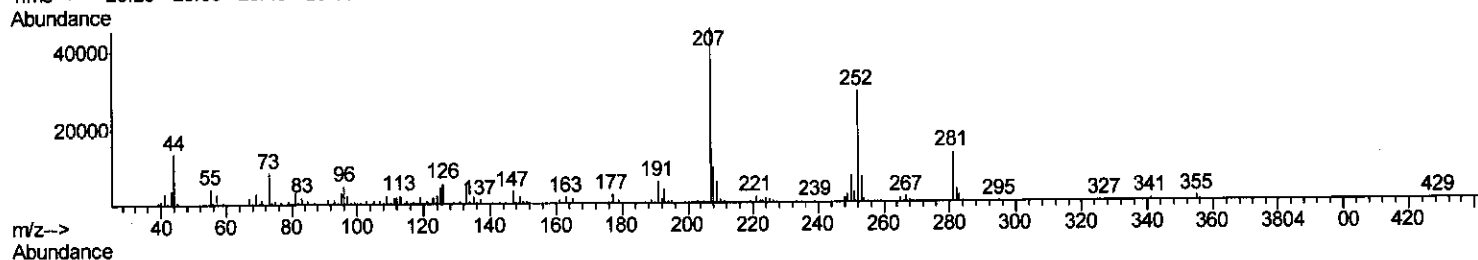
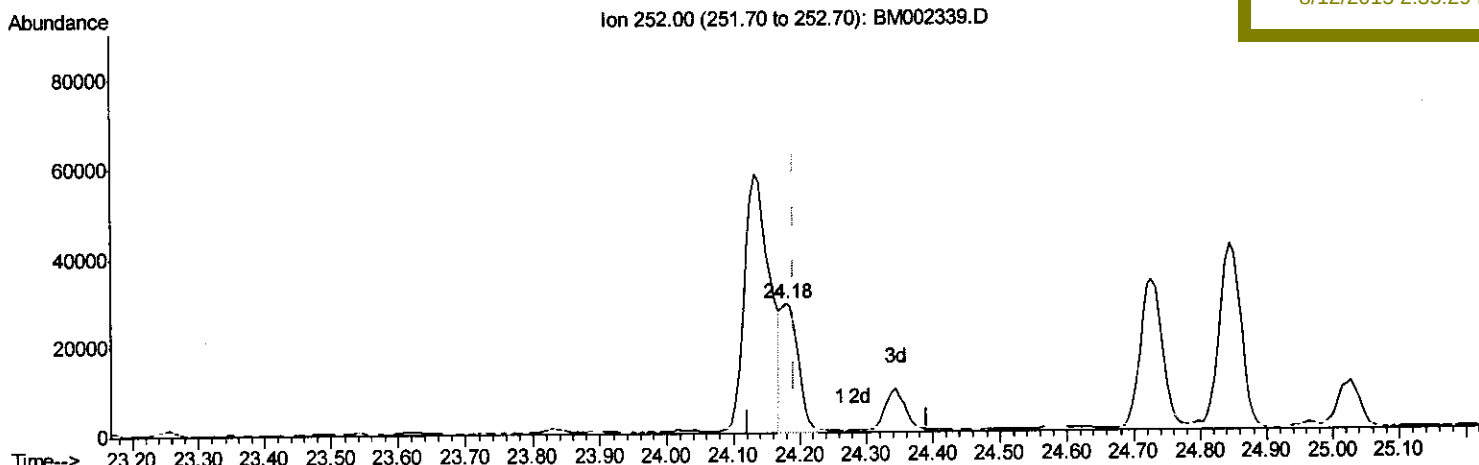
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
 Data File : BM002339.D  
 Acq On : 12 Aug 2015 01:19  
 Operator : UM/IZ  
 Sample : G3162-13  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9C80

Quant Time: Aug 12 04:51:26 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080715MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 12 04:50:31 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MMDadoda  
 8/12/2015 2:35:29 PM



(24) Benzo(k)fluoranthene

24.180min (-0.012) 1.29ng/ul m

response 51703

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.60 | 24.54  |
| 125.00 | 12.80 | 16.40# |
| 0.00   | 0.00  | 0.00   |

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Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
 Data File : BM002339.D  
 Acq On : 12 Aug 2015 01:19  
 Operator : UM/IZ  
 Sample : G3162-13  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9C80

Quant Time: Aug 12 04:59:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080715MA.M  
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Manual Integrations  
 APPROVED

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 8/12/2015 2:35:29 PM

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.90  | 152  | 193071   | 20.00 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 11.77 | 136  | 928140   | 20.00 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 15.48 | 164  | 515209   | 20.00 | ng/ul | 0.00     |
| 12) Phenanthrene-d10      | 18.19 | 188  | 1051651  | 20.00 | ng/ul | 0.00     |
| 17) Chrysene-d12          | 22.27 | 240  | 881422   | 20.00 | ng/ul | 0.00     |
| 22) Perylene-d12          | 24.96 | 264  | 673217   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                        |       |     |         |       |       |      |
|------------------------|-------|-----|---------|-------|-------|------|
| 7) Acenaphthylene-d8   | 15.19 | 160 | 1194356 | 22.38 | ng/ul | 0.00 |
| 10) Fluorene-d10       | 16.45 | 176 | 787918  | 21.23 | ng/ul | 0.00 |
| 14) Anthracene-d10     | 18.29 | 188 | 1104187 | 21.64 | ng/ul | 0.00 |
| 18) Pyrene-d10         | 20.50 | 212 | 1070727 | 25.05 | ng/ul | 0.00 |
| 25) Benzo(a)pyrene-d12 | 24.79 | 264 | 697754  | 19.52 | ng/ul | 0.00 |

## Target Compounds

|                            | R.T.  | QIon | Response | Conc | Units  | Qvalue |
|----------------------------|-------|------|----------|------|--------|--------|
| 13) Phenanthrene           | 18.23 | 178  | 124382   | 2.05 | ng/ul  | 99     |
| 16) Fluoranthene           | 20.17 | 202  | 242008   | 3.61 | ng/ul  | 99     |
| 19) Pyrene                 | 20.53 | 202  | 199158   | 3.50 | ng/ul  | 98     |
| 20) Benzo(a)anthracene     | 22.26 | 228  | 109694   | 2.04 | ng/ul  | 96     |
| 21) Chrysene               | 22.32 | 228  | 129978m  | 2.55 | ng/ul  |        |
| 23) Benzo(b)fluoranthene   | 24.13 | 252  | 153672   | 3.67 | ng/ul# | 96     |
| 24) Benzo(k)fluoranthene   | 24.18 | 252  | 51703m   | 1.29 | ng/ul  |        |
| 26) Benzo(a)pyrene         | 24.84 | 252  | 92476    | 2.31 | ng/ul# | 94     |
| 27) Indeno(1,2,3-cd)pyrene | 27.80 | 276  | 70290    | 1.53 | ng/ul  | 94     |
| 29) Benzo(g,h,i)perylene   | 28.68 | 276  | 64141    | 1.66 | ng/ul  | 97     |

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

U.M  
 08/13/15