

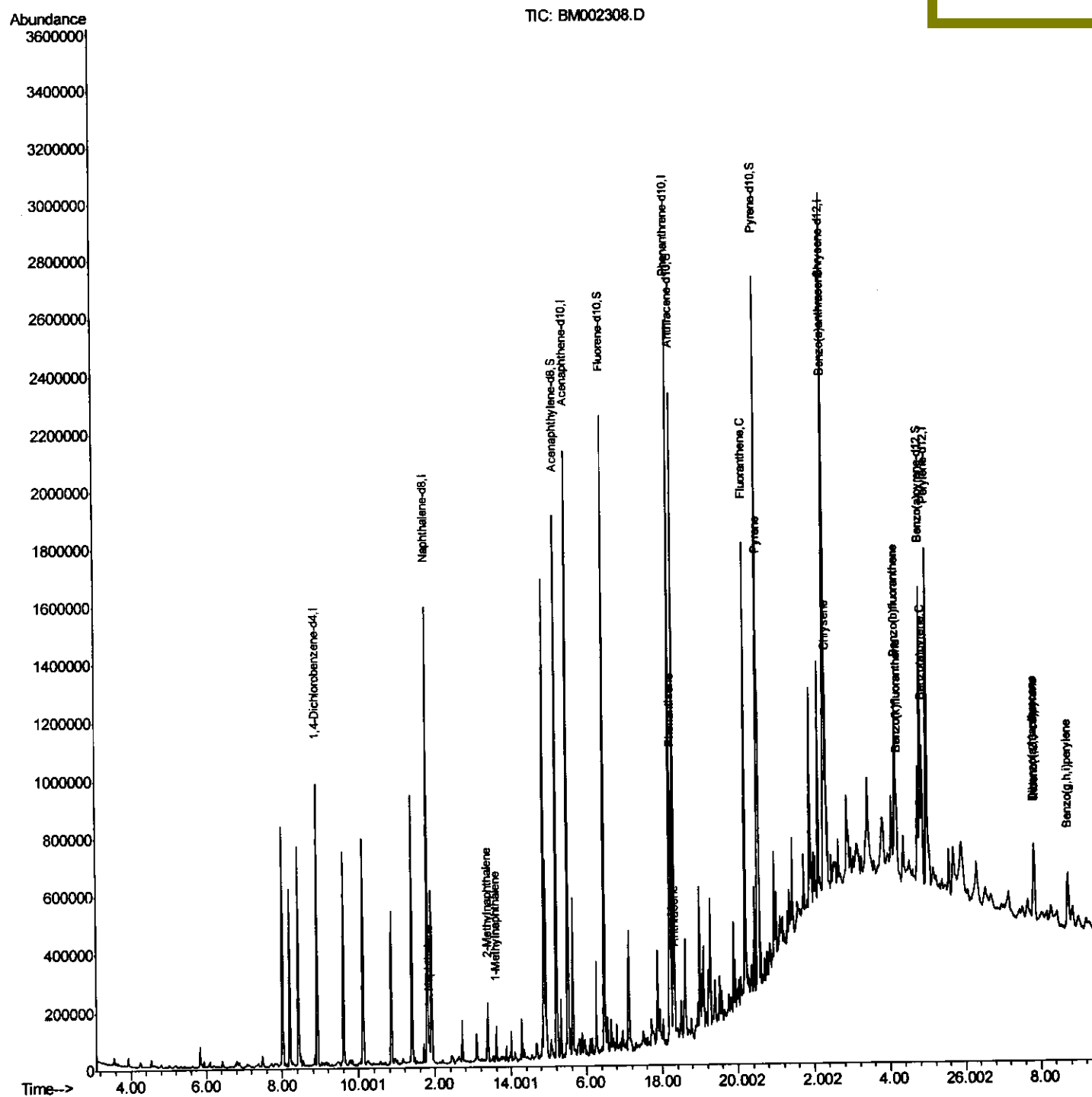
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080915\  
Data File : BM002308.D  
Acq On : 09 Aug 2015 10:54  
Operator : TP/UM  
Sample : G3161-13  
Misc :  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
D9C58

Quant Time: Aug 10 05:58:33 2015  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080715MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 10 05:35:03 2015  
Response via : Initial Calibration

Manual Integrations  
APPROVED

MMDadoda  
8/10/2015 7:29:02 PM



# Quantitation Report (Qedit)

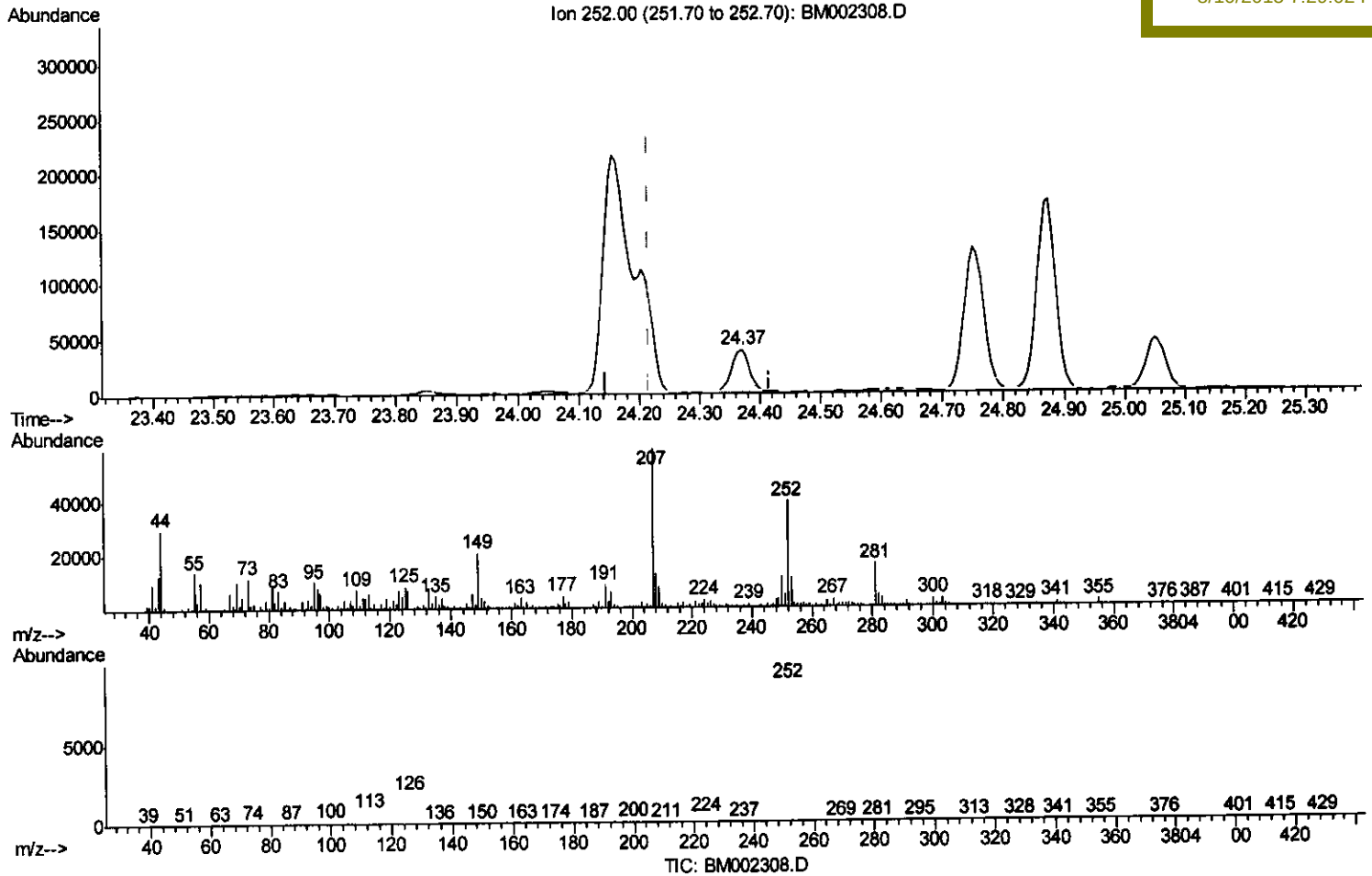
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080915\  
 Data File : BM002308.D  
 Acq On : 09 Aug 2015 10:54  
 Operator : TP/UM  
 Sample : G3161-13  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9C58

Quant Time: Aug 10 05:36:03 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080715MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 10 05:35:03 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MMDadoda  
 8/10/2015 7:29:02 PM



(24) Benzo(k)fluoranthene

24.368min (+0.153) 1.28ng/ul

response 75347

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.60 | 28.75# |
| 125.00 | 12.80 | 21.51# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

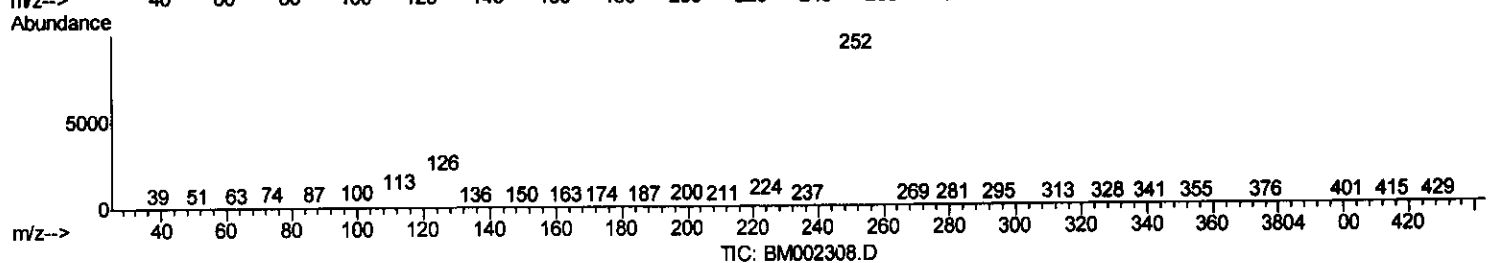
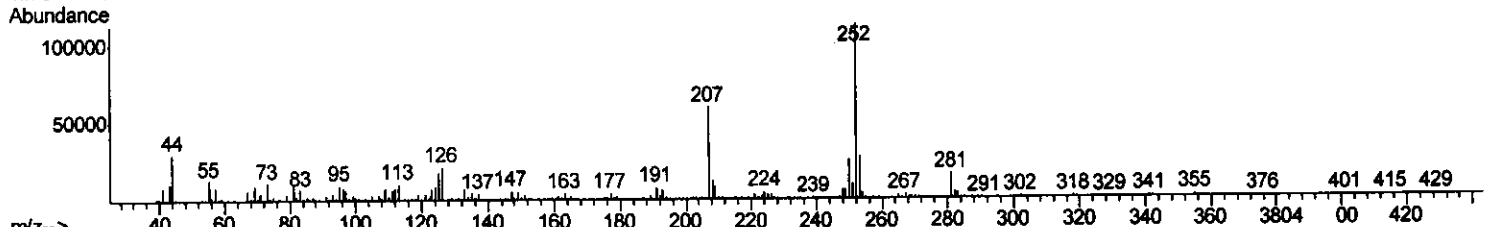
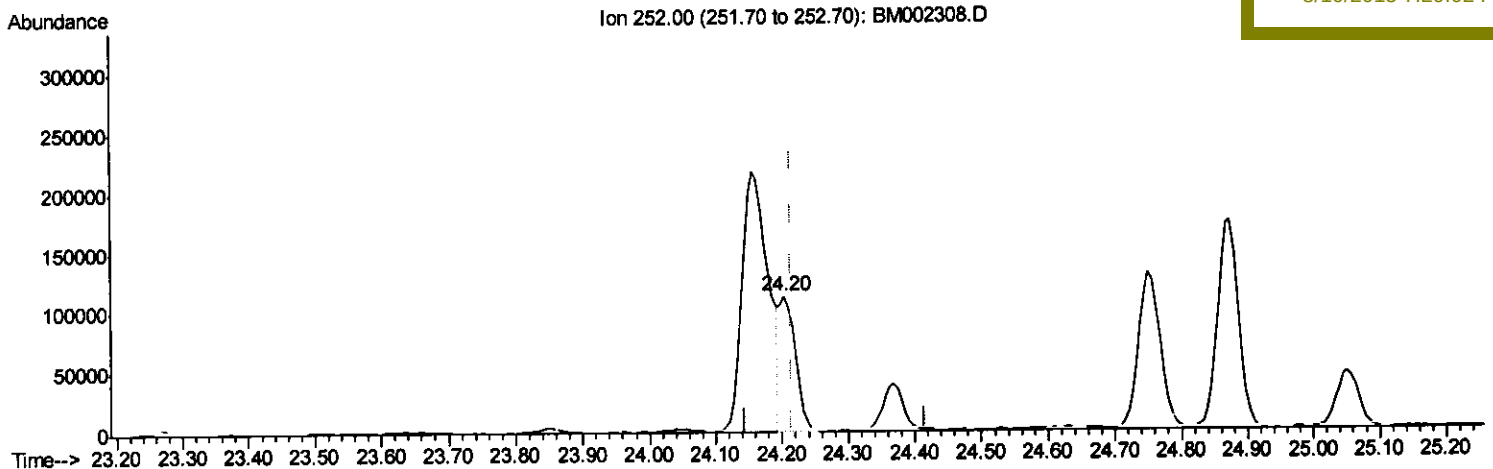
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080915\  
 Data File : BM002308.D  
 Acq On : 09 Aug 2015 10:54  
 Operator : TP/UM  
 Sample : G3161-13  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9C58

Quant Time: Aug 10 05:36:03 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080715MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 10 05:35:03 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MMDadoda  
 8/10/2015 7:29:02 PM



(24) Benzo(k)fluoranthene

24.203min (-0.012) 3.28ng/ul m

response 192467

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.60 | 23.95  |
| 125.00 | 12.80 | 16.01# |
| 0.00   | 0.00  | 0.00   |

> UM  
 08/11/15

## Quantitation Report (Qedit)

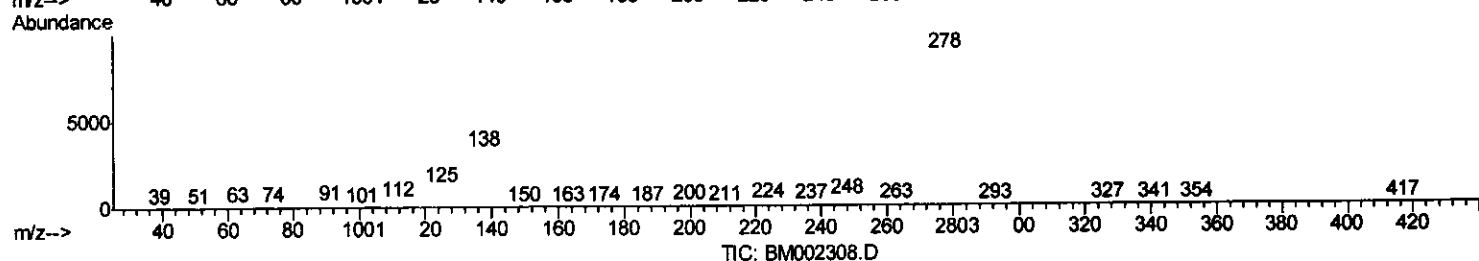
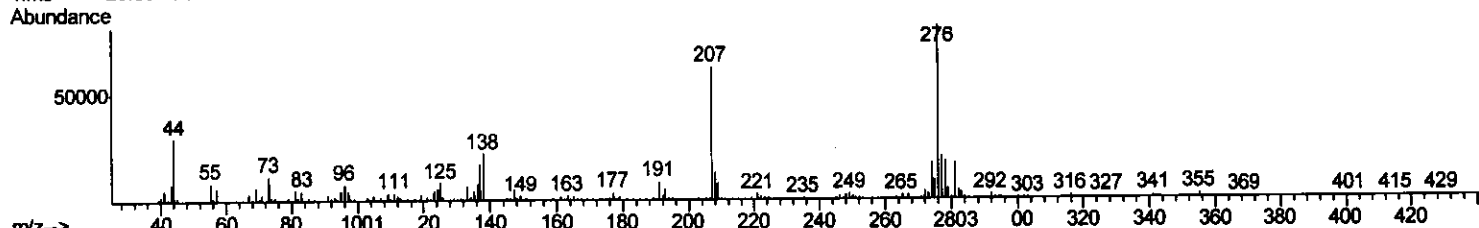
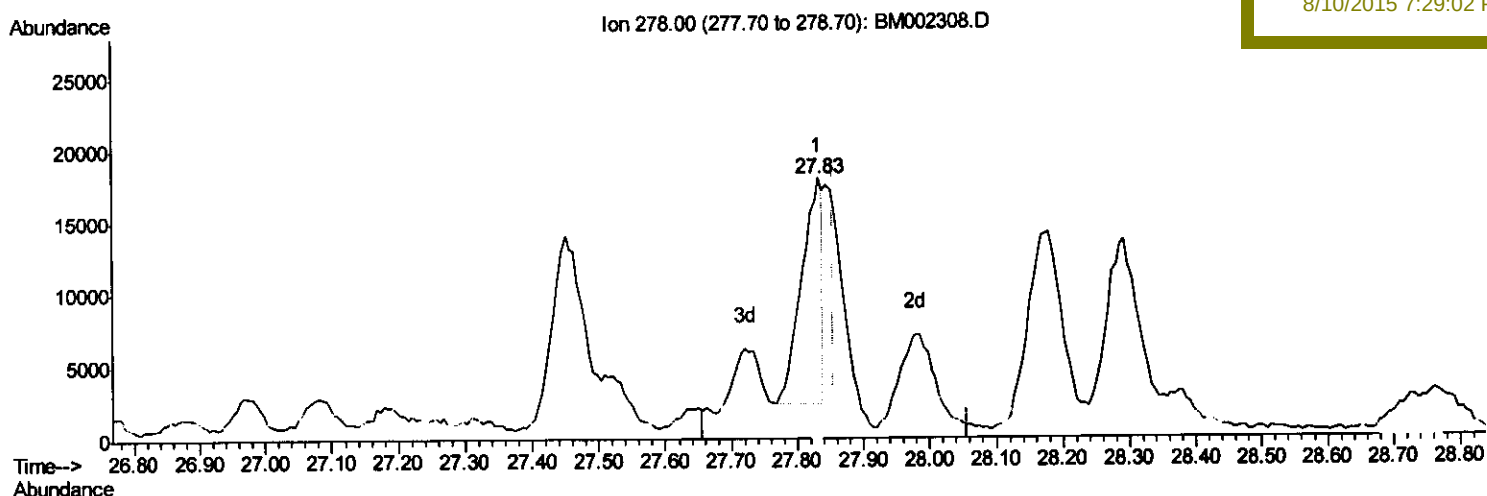
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080915\  
Data File : BM002308.D  
Acq On : 09 Aug 2015 10:54  
Operator : TP/UM  
Sample : G3161-13  
Misc :  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
D9C58

Quant Time: Aug 10 05:36:03 2015  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080715MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 10 05:35:03 2015  
Response via : Initial Calibration

Manual Integrations  
APPROVED

MMDadoda  
8/10/2015 7:29:02 PM



(28) Dibenzo(a,h)anthracene

27.832min (-0.024) 0.61ng/ul

response 34577

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 278.00 | 100   | 100    |
| 139.00 | 20.50 | 0.00#  |
| 279.00 | 23.50 | 29.74# |
| 0.00   | 0.00  | 0.00   |

## Quantitation Report (Qedit)

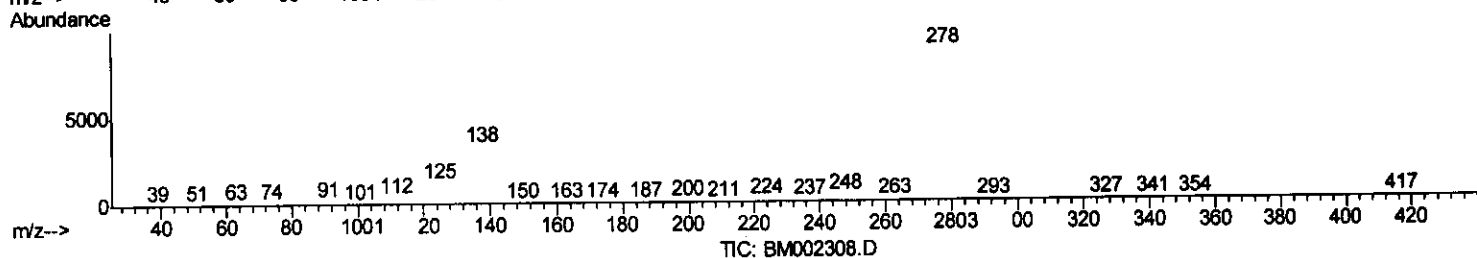
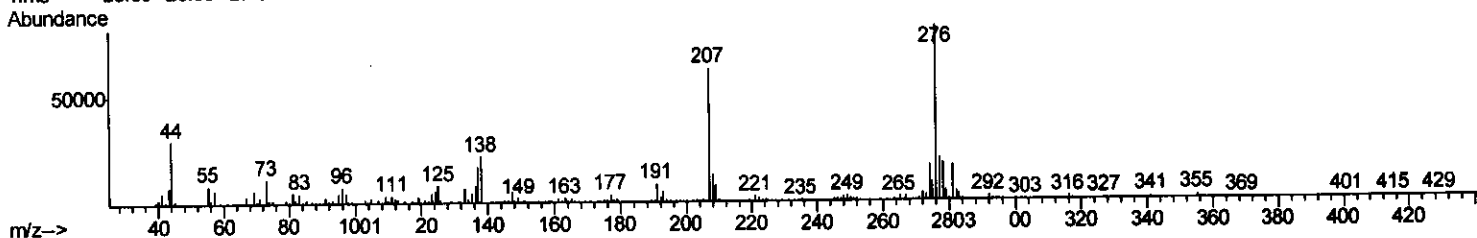
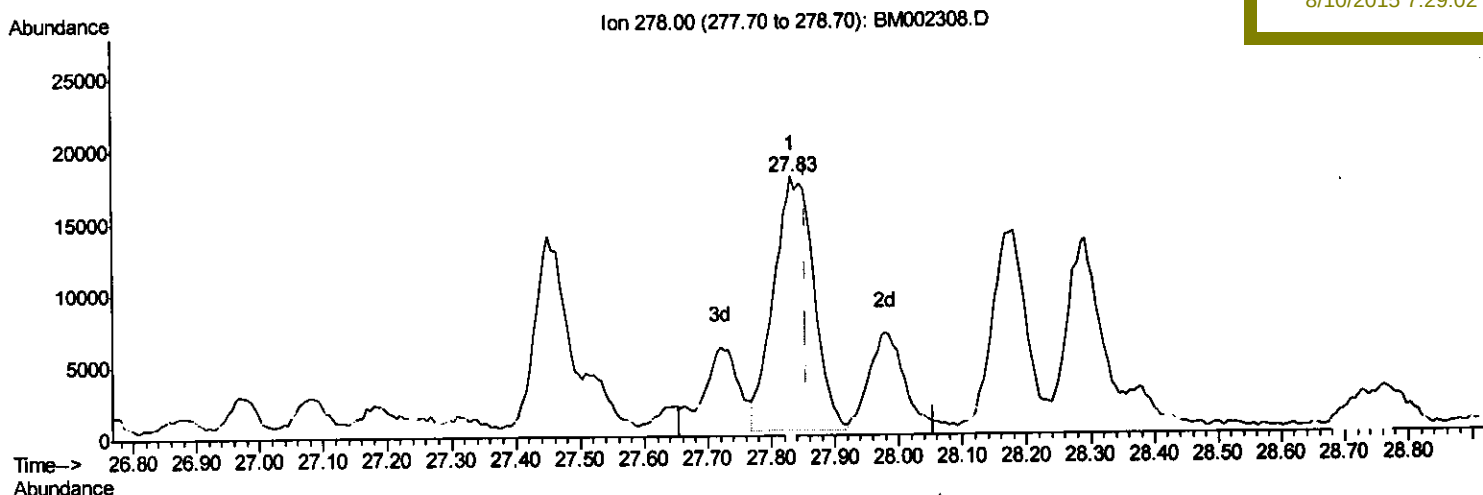
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080915\  
Data File : BM002308.D  
Acq On : 09 Aug 2015 10:54  
Operator : TP/UM  
Sample : G3161-13  
Misc :  
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 10 05:36:03 2015  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080715MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 10 05:35:03 2015  
Response via : Initial Calibration

Instrument :  
BNA\_M  
ClientSampleId :  
D9C58

Manual Integrations  
APPROVED

MMDadoda  
8/10/2015 7:29:02 PM



(28) Dibenzo(a,h)anthracene

27.832min (-0.024) 1.36ng/ul m

response 77356

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 278.00 | 100   | 100    |
| 139.00 | 20.50 | 0.00#  |
| 279.00 | 23.50 | 29.74# |
| 0.00   | 0.00  | 0.00   |

> UM  
08/11/15

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080915\  
 Data File : BM002308.D  
 Acq On : 09 Aug 2015 10:54  
 Operator : TP/UM  
 Sample : G3161-13  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9C58

Quant Time: Aug 10 05:58:33 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080715MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 10 05:35:03 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MMDadoda  
 8/10/2015 7:29:02 PM

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.92  | 152  | 280465   | 20.00 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 11.79 | 136  | 1355523  | 20.00 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 15.50 | 164  | 706924   | 20.00 | ng/ul | 0.00     |
| 12) Phenanthrene-d10      | 18.21 | 188  | 1405286  | 20.00 | ng/ul | 0.00     |
| 17) Chrysene-d12          | 22.29 | 240  | 1131057  | 20.00 | ng/ul | 0.00     |
| 22) Perylene-d12          | 24.99 | 264  | 983457   | 20.00 | ng/ul | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 7) Acenaphthylene-d8        | 15.20 | 160  | 1353155  | 18.48 | ng/ul | 0.00     |
| 10) Fluorene-d10            | 16.47 | 176  | 897716   | 17.63 | ng/ul | 0.00     |
| 14) Anthracene-d10          | 18.30 | 188  | 1264326  | 18.54 | ng/ul | 0.00     |
| 18) Pyrene-d10              | 20.52 | 212  | 1149935  | 20.96 | ng/ul | 0.00     |
| 25) Benzo(a)pyrene-d12      | 24.81 | 264  | 850060   | 16.28 | ng/ul | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|----------------------------|-------|------|----------|-------|-------|--------|
| 3) Naphthalene             | 11.85 | 128  | 82031    | 1.15  | ng/ul | 99     |
| 4) 2-Methylnaphthalene     | 13.39 | 142  | 85945    | 1.69  | ng/ul | 98     |
| 5) 1-Methylnaphthalene     | 13.60 | 142  | 56174    | 1.12  | ng/ul | 96     |
| 13) Phenanthrene           | 18.25 | 178  | 500946   | 6.19  | ng/ul | 99     |
| 15) Anthracene             | 18.34 | 178  | 99512    | 1.19  | ng/ul | 99     |
| 16) Fluoranthene           | 20.19 | 202  | 915438   | 10.22 | ng/ul | 98     |
| 19) Pyrene                 | 20.55 | 202  | 740048   | 10.12 | ng/ul | 99     |
| 20) Benzo(a)anthracene     | 22.27 | 228  | 398549   | 5.77  | ng/ul | 98     |
| 21) Chrysene               | 22.33 | 228  | 418049   | 6.39  | ng/ul | 96     |
| 23) Benzo(b)fluoranthene   | 24.16 | 252  | 582598   | 9.53  | ng/ul | 97     |
| 24) Benzo(k)fluoranthene   | 24.20 | 252  | 192467m  | 3.28  | ng/ul | 96     |
| 26) Benzo(a)pyrene         | 24.87 | 252  | 373847   | 6.39  | ng/ul | 96     |
| 27) Indeno(1,2,3-cd)pyrene | 27.84 | 276  | 272943   | 4.07  | ng/ul | 92     |
| 28) Dibenzo(a,h)anthracene | 27.83 | 278  | 77356m   | 1.36  | ng/ul | 97     |
| 29) Benzo(g,h,i)perylene   | 28.73 | 276  | 260317   | 4.60  | ng/ul | 97     |

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

UM  
 08/11/15