

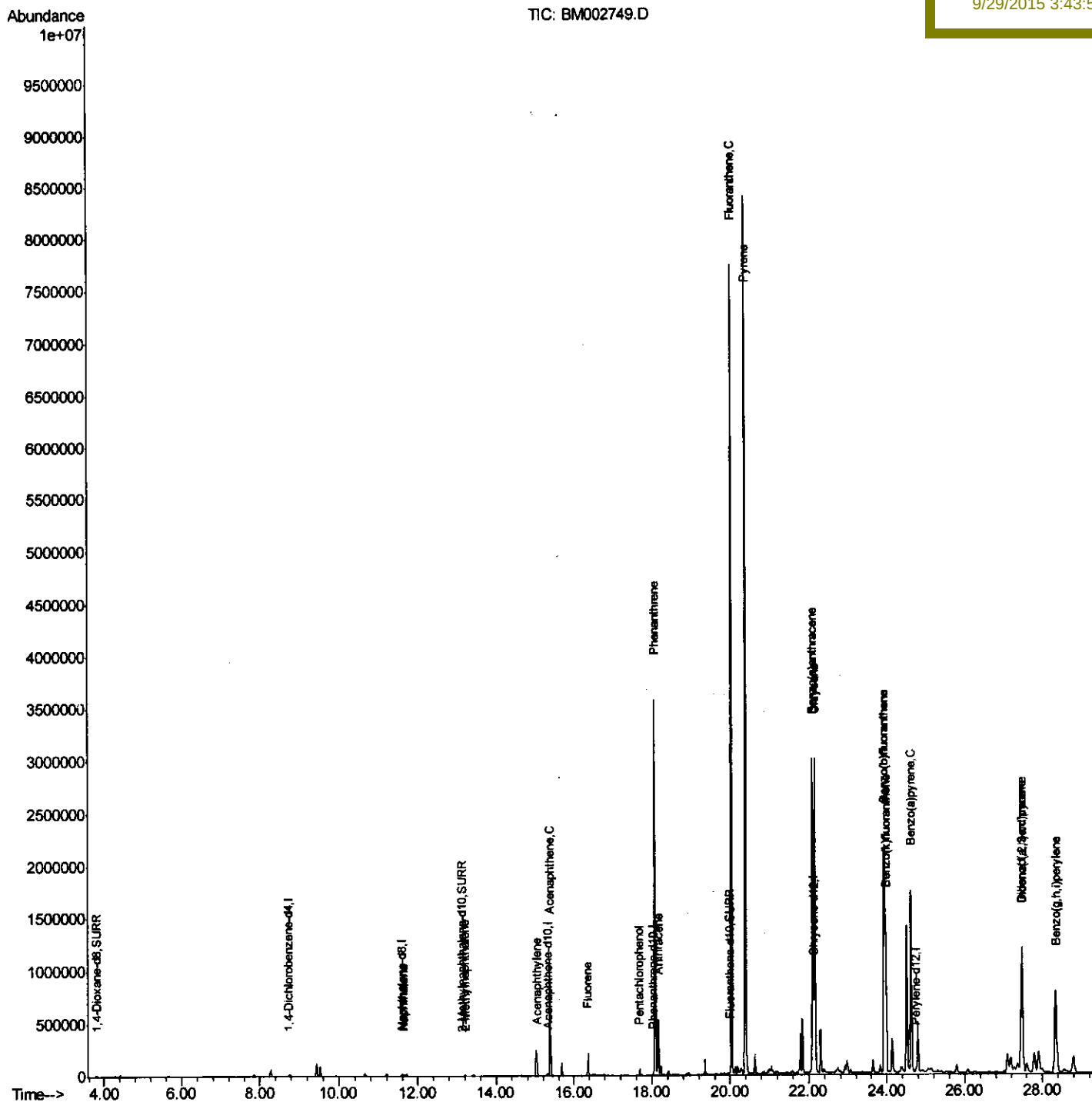
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\  
Data File : BM002749.D  
Acq On : 29 Sep 2015 00:33  
Operator : UM/IZ  
Sample : G3798-25MS  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
D9G67MS

Manual Integrations  
APPROVED

MMDadoda  
9/29/2015 3:43:54 PM

Quant Time: Sep 29 04:54:28 2015  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 29 02:52:19 2015  
Response via : Initial Calibration



# Quantitation Report (Qedit)

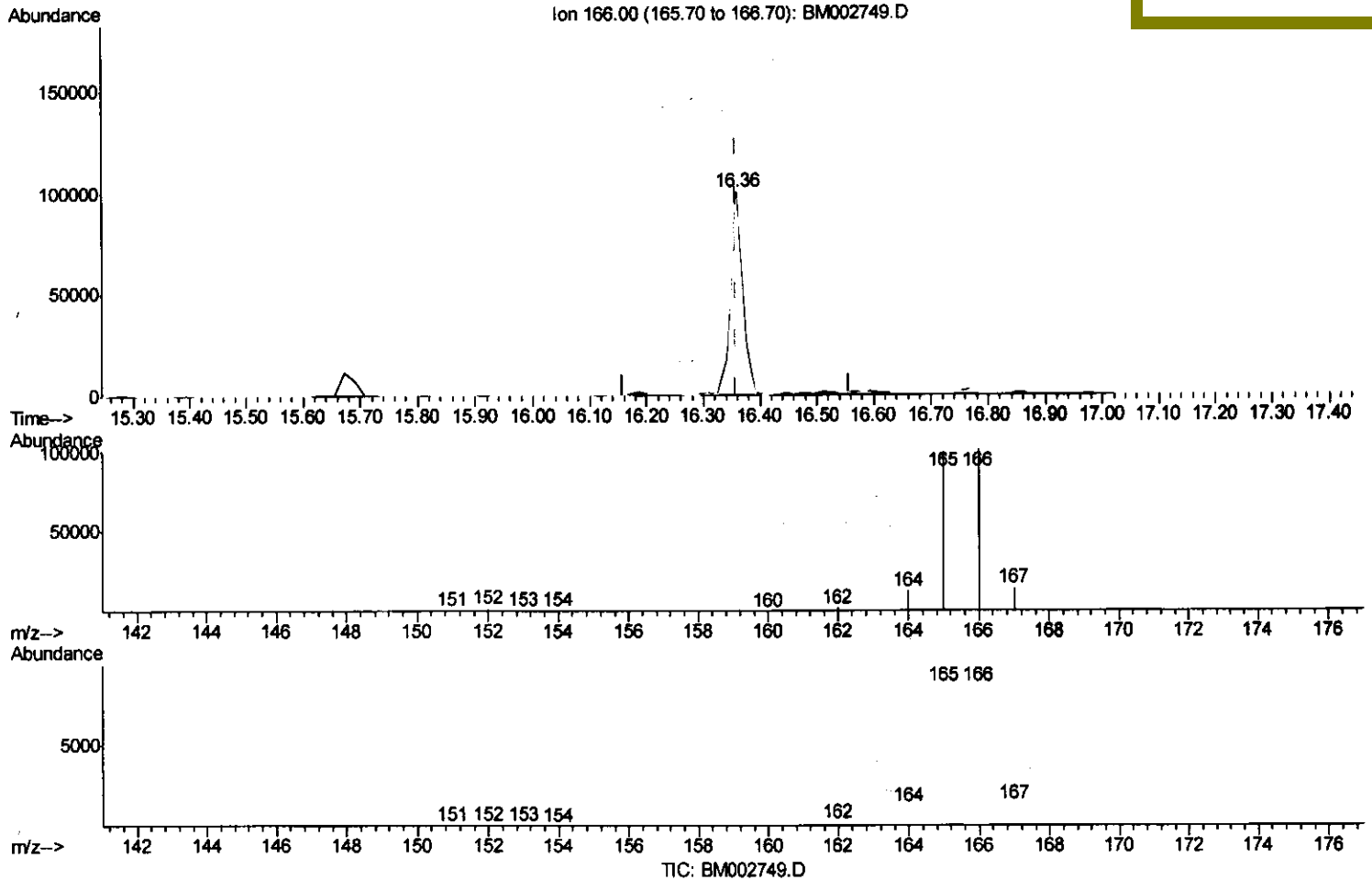
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\  
 Data File : BM002749.D  
 Acq On : 29 Sep 2015 00:33  
 Operator : UM/IZ  
 Sample : G3798-25MS  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9G67MS

Quant Time: Sep 29 04:49:26 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 29 02:52:19 2015  
 Response via : Initial Calibration

Manual Integrations  
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MMDadoda  
 9/29/2015 3:43:54 PM



(11) Fluorene

16.358min (-0.000) 2.05ng/ul

response 152155

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 166.00 | 100    | 100   |
| 165.00 | 109.50 | 97.02 |
| 167.00 | 13.90  | 14.11 |
| 0.00   | 0.00   | 0.00  |

# Quantitation Report (Qedit)

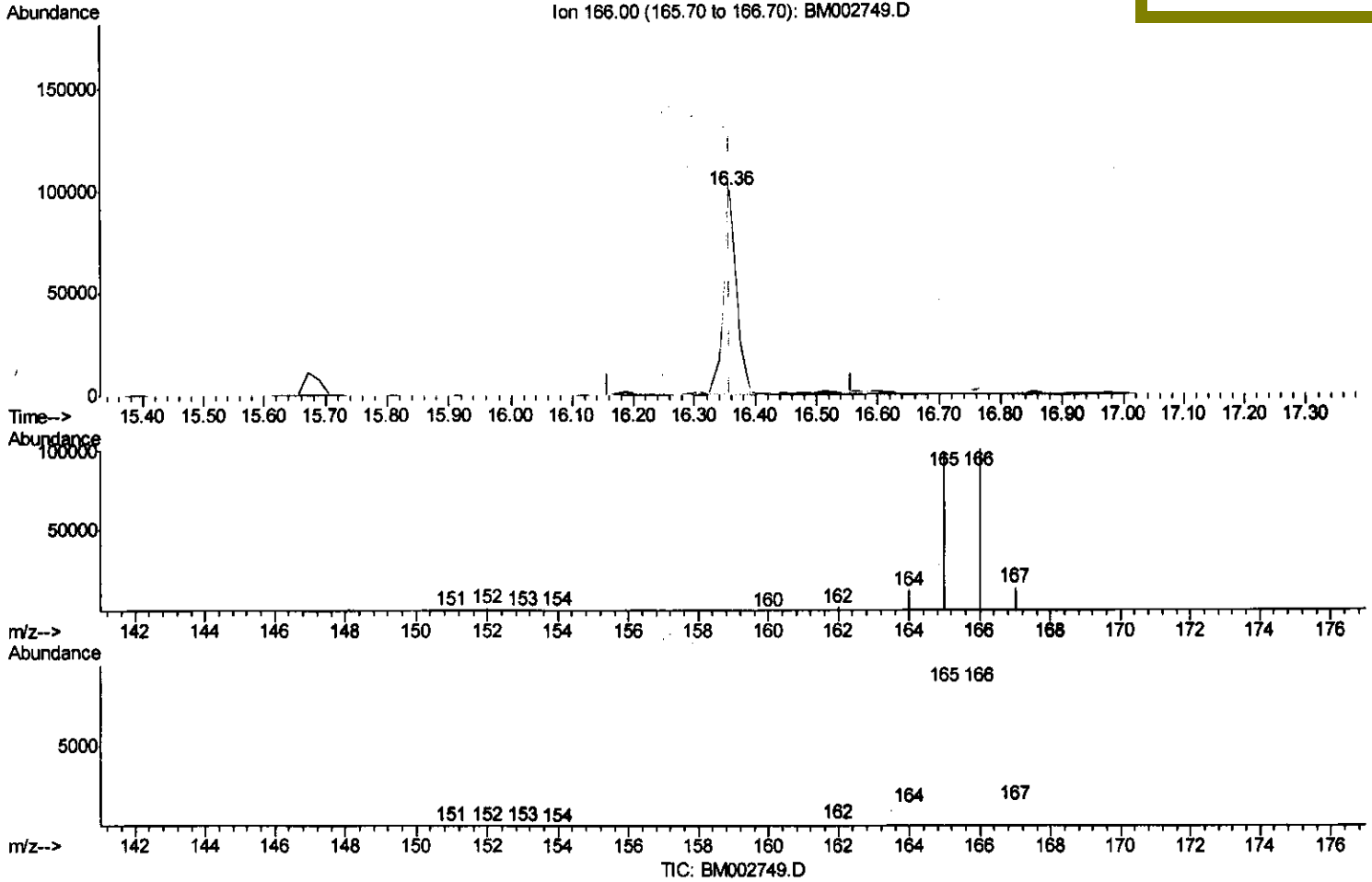
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\  
 Data File : BM002749.D  
 Acq On : 29 Sep 2015 00:33  
 Operator : UM/IZ  
 Sample : G3798-25MS  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9G67MS

Quant Time: Sep 29 04:49:26 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 29 02:52:19 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MMDadoda  
 9/29/2015 3:43:54 PM



(11) Fluorene

16.358min (-0.000) 2.01ng/ul m

response 148914

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 166.00 | 100    | 100   |
| 165.00 | 109.50 | 97.02 |
| 167.00 | 13.90  | 14.11 |
| 0.00   | 0.00   | 0.00  |

> 0.01  
 09/30/15

# Quantitation Report (Qedit)

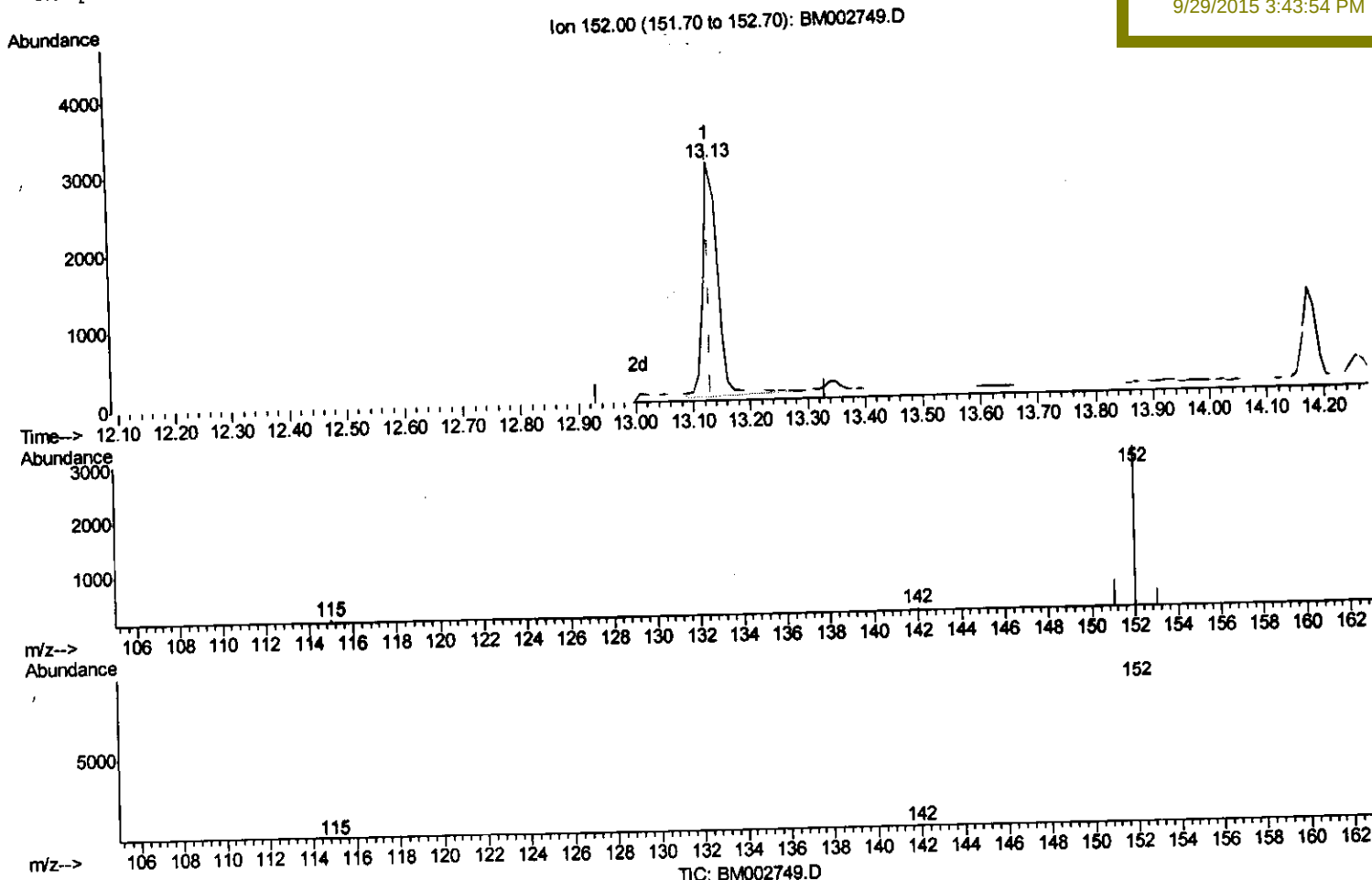
Data Path : Z:\HPCHEM1\BNA.M\DATA\BM092815\  
 Data File : BM002749.D  
 Acq On : 29 Sep 2015 00:33  
 Operator : UM/IZ  
 Sample : G3798-25MS  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9G67MS

Quant Time: Sep 29 04:49:26 2015  
 Quant Method : Z:\HPCHEM1\BNA.M\METHODS\SOM02.2-EPA-SIM-BM092415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 29 02:52:19 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MM Dadoda  
 9/29/2015 3:43:54 PM



(6) 2-Methylnaphthalene-d10 (SURR)

13.131min (-0.000) 0.11ng/ul

response 5338

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 152.00 | 100   | 100    |
| 151.00 | 18.90 | 26.79# |
| 0.00   | 0.00  | 0.00   |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

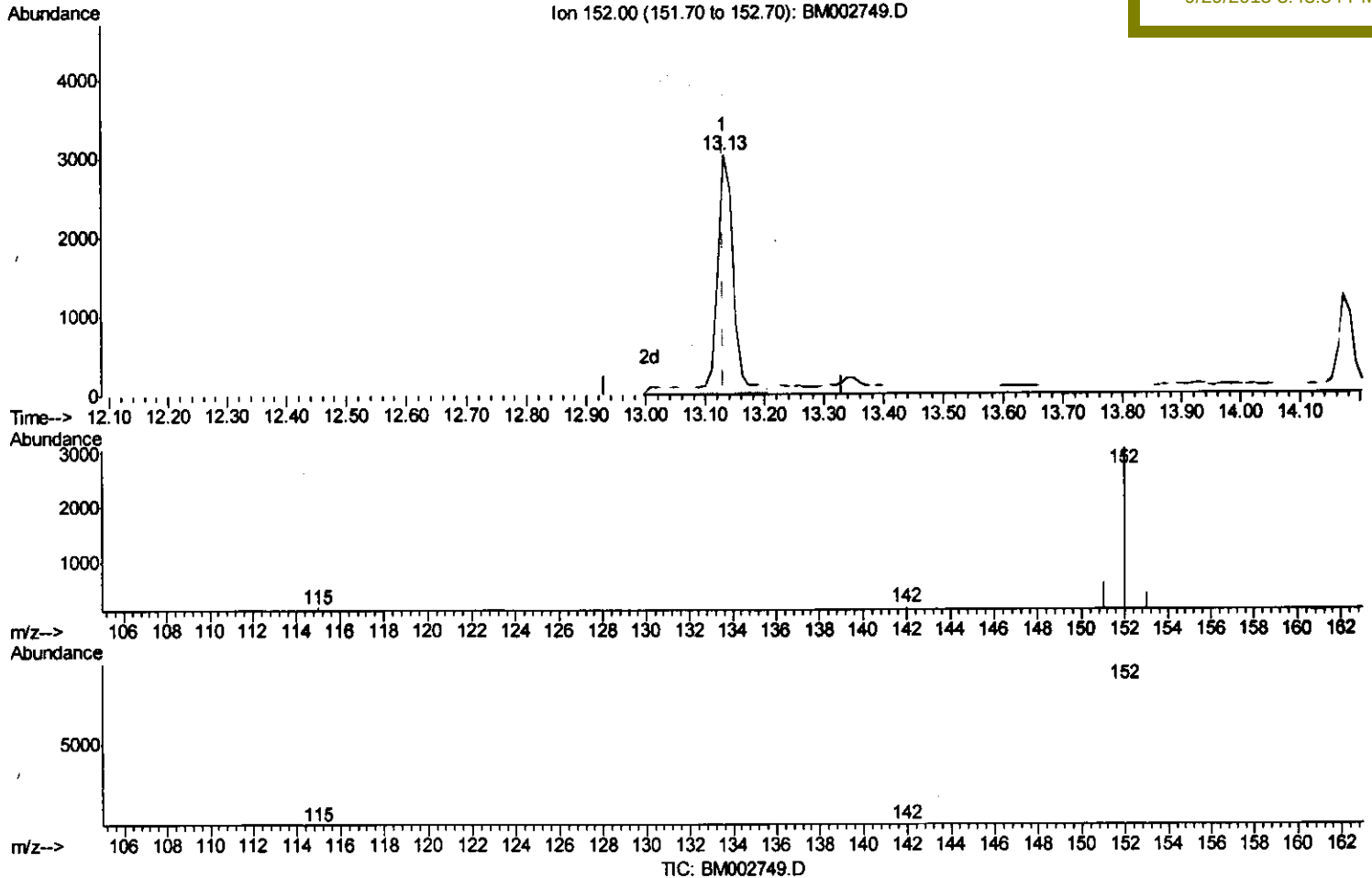
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\  
 Data File : BM002749.D  
 Acq On : 29 Sep 2015 00:33  
 Operator : UM/IZ  
 Sample : G3798-25MS  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9G67MS

Quant Time: Sep 29 04:49:26 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 29 02:52:19 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MMDadoda  
 9/29/2015 3:43:54 PM



(6) 2-Methylnaphthalene-d10 (SURR)

13.131min (-0.000) 0.11ng/ul m

response 5407

> U.M  
 09/30/15

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 152.00 | 100   | 100    |
| 151.00 | 18.90 | 26.45# |
| 0.00   | 0.00  | 0.00   |
| 0.00   | 0.00  | 0.00   |

## Quantitation Report (Qedit)

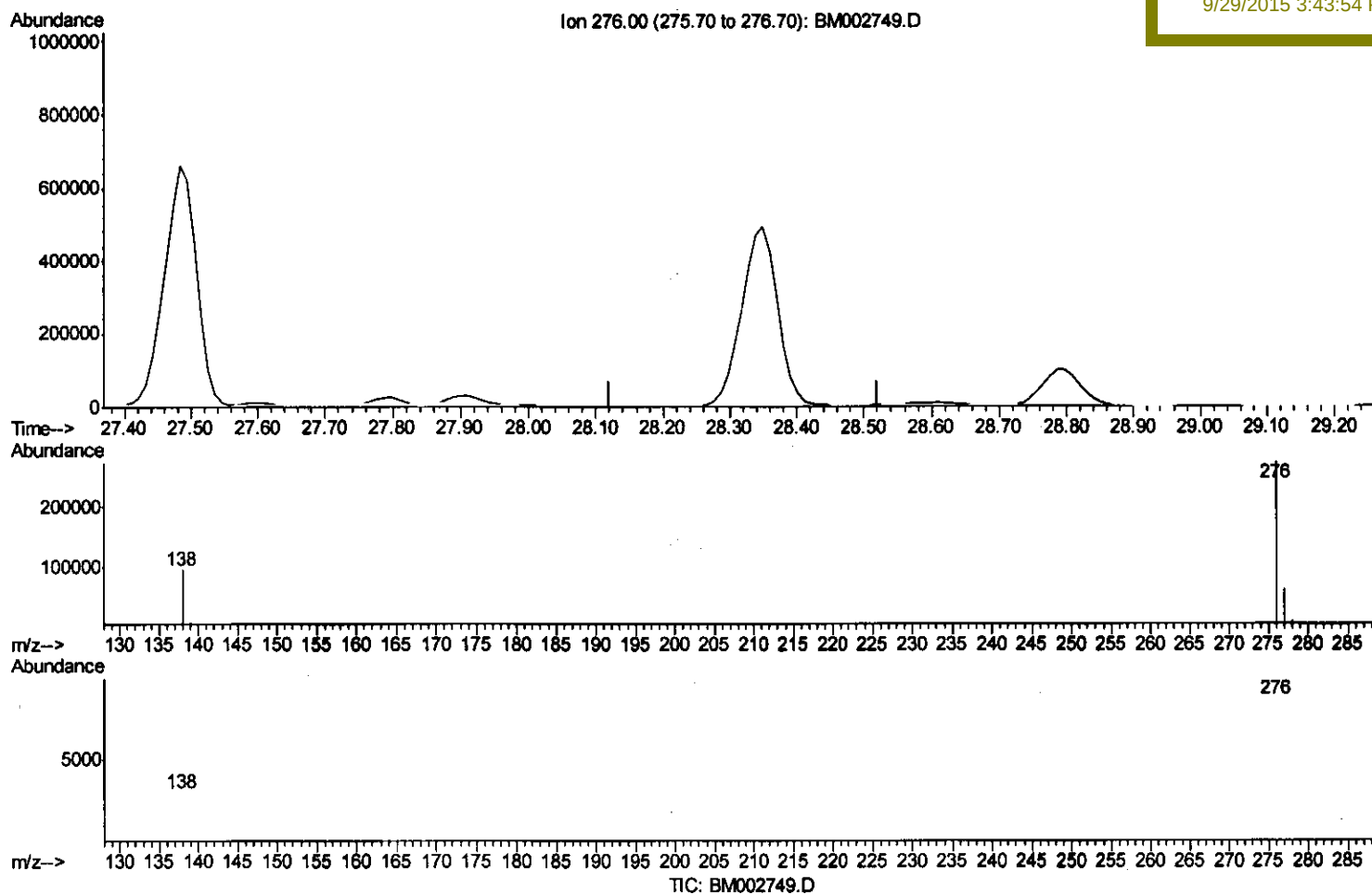
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\  
Data File : BM002749.D  
Acq On : 29 Sep 2015 00:33  
Operator : UM/IZ  
Sample : G3798-25MS  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
D9G67MS

Quant Time: Sep 29 04:49:26 2015  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 29 02:52:19 2015  
Response via : Initial Calibration

Manual Integrations  
APPROVED

MMDadoda  
9/29/2015 3:43:54 PM



(28) Benzo(g,h,i)perylene

28.319min (-28.319) 0.00ng/ul

response 0

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 0.00  |
| 277.00 | 26.60 | 0.00# |
| 138.00 | 31.90 | 0.00# |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

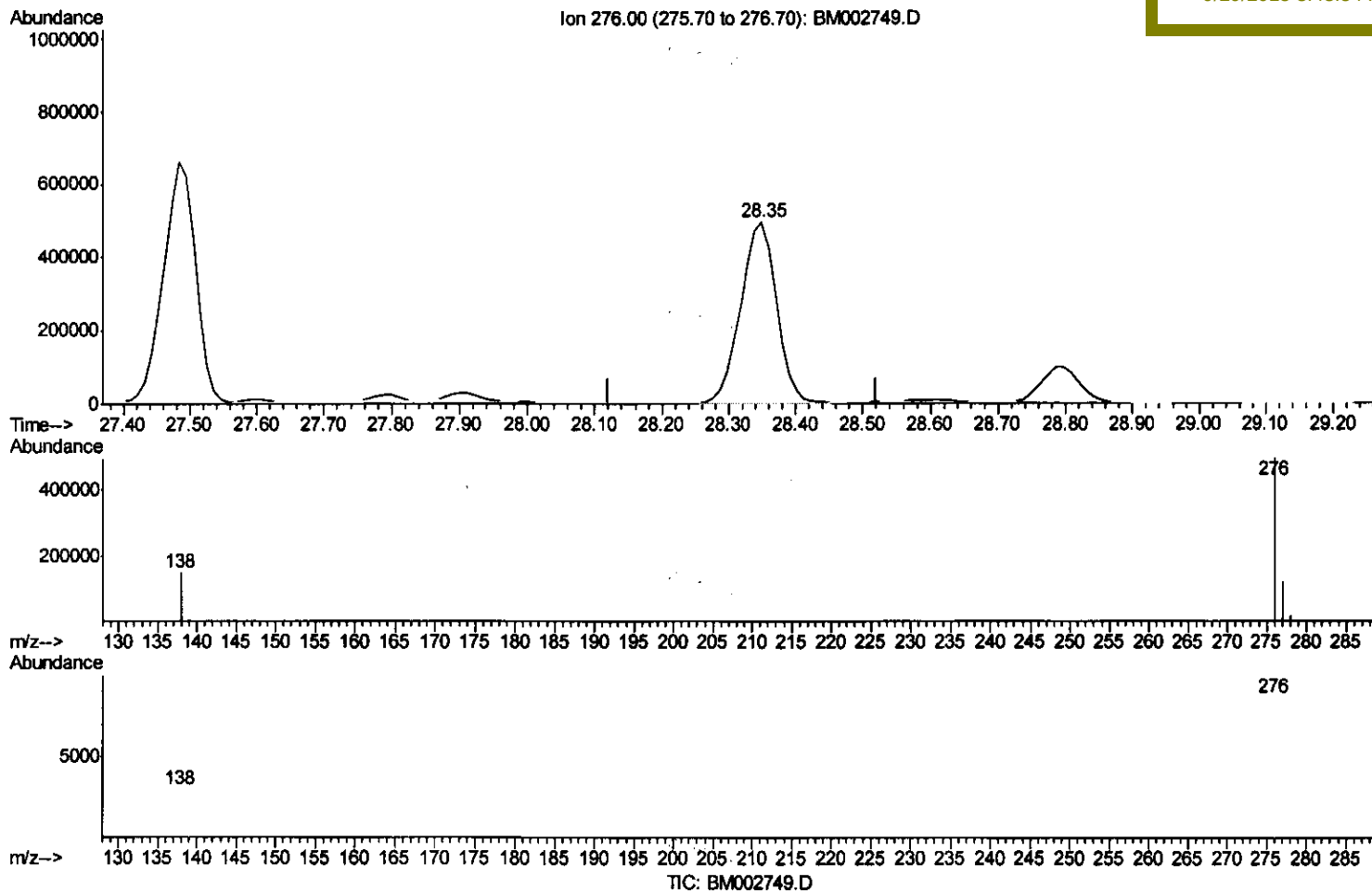
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\  
 Data File : BM002749.D  
 Acq On : 29 Sep 2015 00:33  
 Operator : UM/IZ  
 Sample : G3798-25MS  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9G67MS

Quant Time: Sep 29 04:49:26 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 29 02:52:19 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MMDadoda  
 9/29/2015 3:43:54 PM



(28) Benzo(g,h,i)perylene

28.349min (+0.030) 13.32ng/ul m

response 1864882

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 277.00 | 26.60 | 24.69 |
| 138.00 | 31.90 | 30.14 |
| 0.00   | 0.00  | 0.00  |

70.10  
 09/30/15

# Quantitation Report (Qedit)

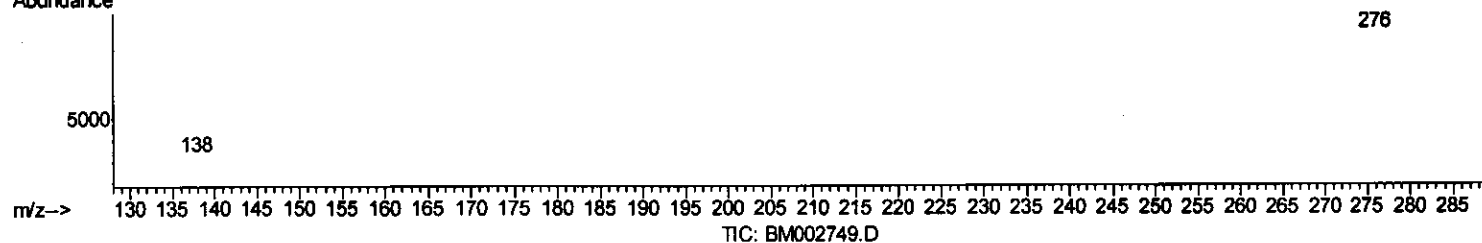
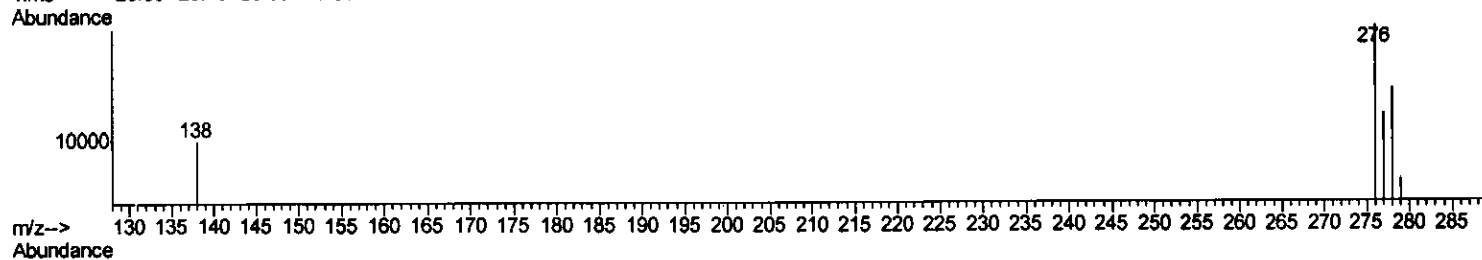
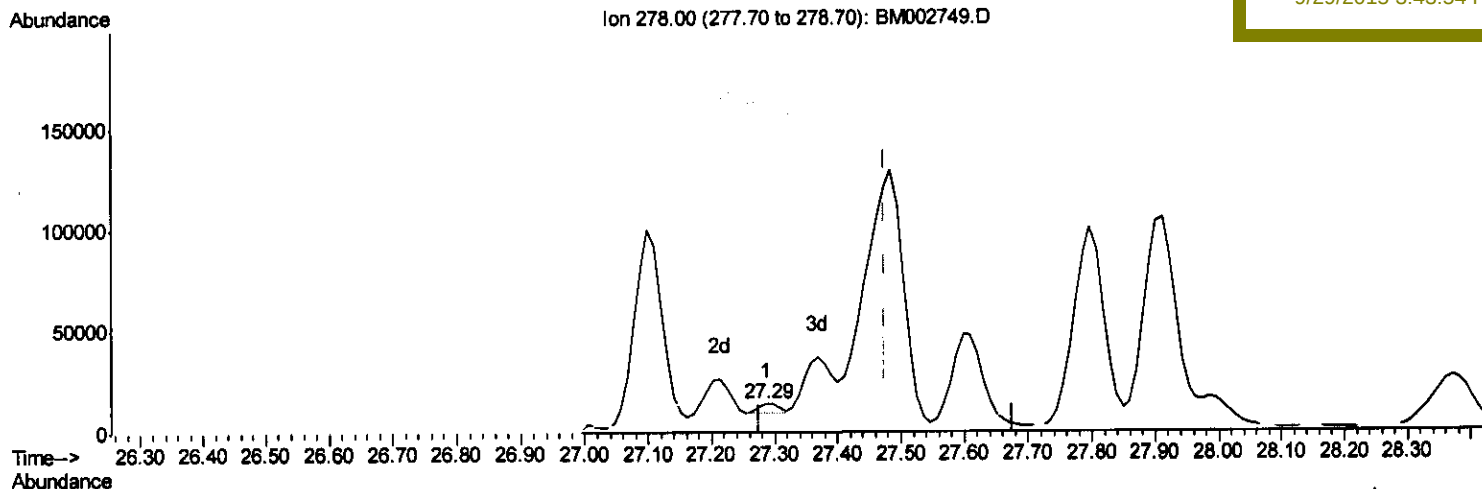
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\  
 Data File : BM002749.D  
 Acq On : 29 Sep 2015 00:33  
 Operator : UM/IZ  
 Sample : G3798-25MS  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9G67MS

Quant Time: Sep 29 04:49:26 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 29 02:52:19 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MMDadoda  
 9/29/2015 3:43:54 PM



(27) Dibenzo(a,h)anthracene

27.286min (-0.189) 0.08ng/ul

response 11081

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 278.00 | 100   | 100    |
| 139.00 | 27.10 | 31.49  |
| 279.00 | 27.40 | 45.02# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

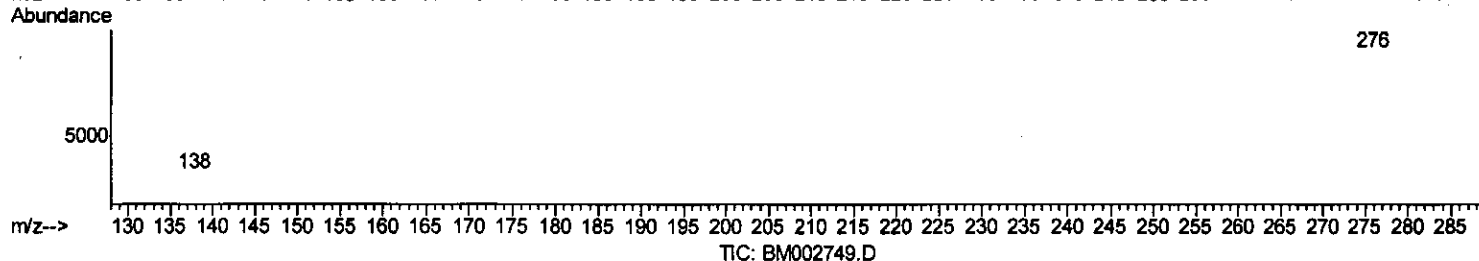
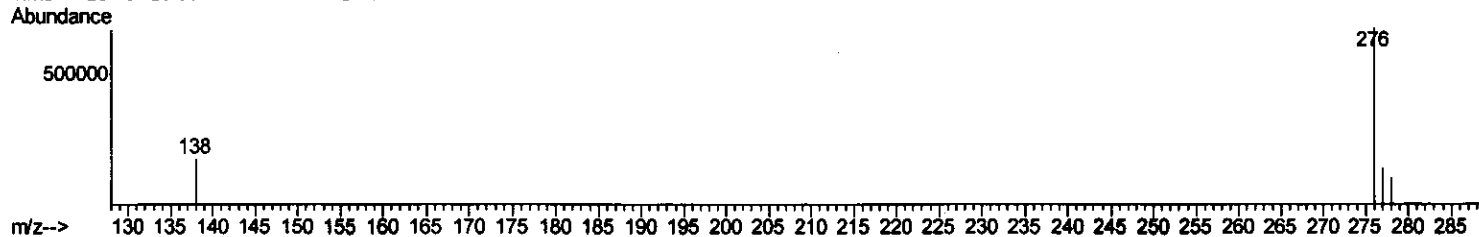
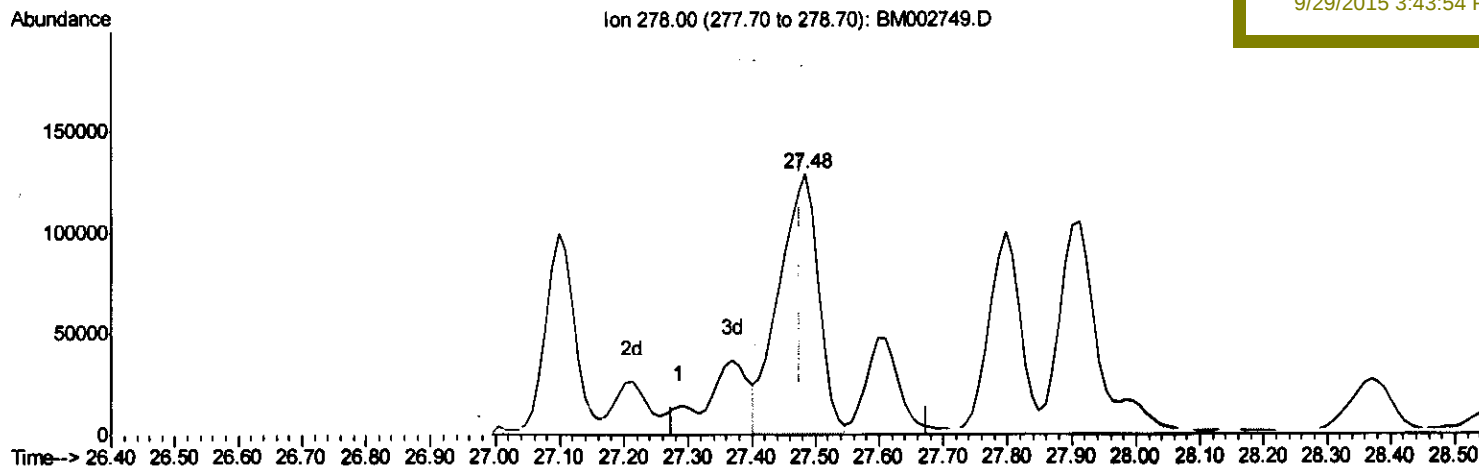
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\  
 Data File : BM002749.D  
 Acq On : 29 Sep 2015 00:33  
 Operator : UM/IZ  
 Sample : G3798-25MS  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9G67MS

Manual Integrations  
 APPROVED

MMDadoda  
 9/29/2015 3:43:54 PM

Quant Time: Sep 29 04:49:26 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 29 02:52:19 2015  
 Response via : Initial Calibration



(27) Dibenzo(a,h)anthracene

27.484min (+0.009) 4.08ng/ul m

response 552879

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 278.00 | 100   | 100   |
| 139.00 | 27.10 | 24.43 |
| 279.00 | 27.40 | 25.06 |
| 0.00   | 0.00  | 0.00  |

> U.M  
 09/30/15

# Quantitation Report (Qedit)

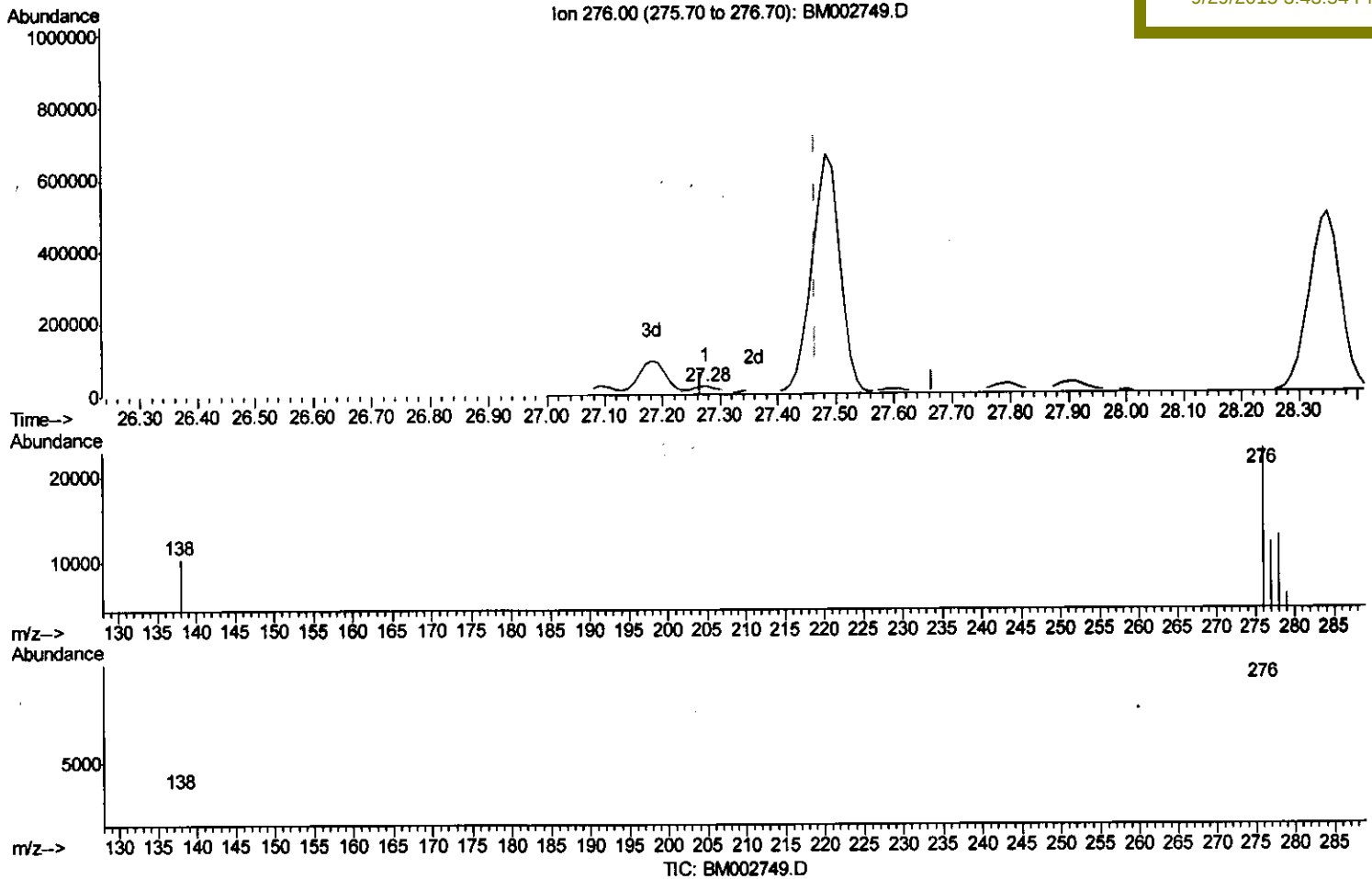
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\  
 Data File : BM002749.D  
 Acq On : 29 Sep 2015 00:33  
 Operator : UM/IZ  
 Sample : G3798-25MS  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9G67MS

Manual Integrations  
 APPROVED

MMDadoda  
 9/29/2015 3:43:54 PM

Quant Time: Sep 29 04:49:26 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 29 02:52:19 2015  
 Response via : Initial Calibration



(26) Indeno(1,2,3-cd)pyrene

27.275min (-0.189) 0.26ng/ul

response 42630

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 34.40 | 38.33  |
| 277.00 | 24.10 | 51.21# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

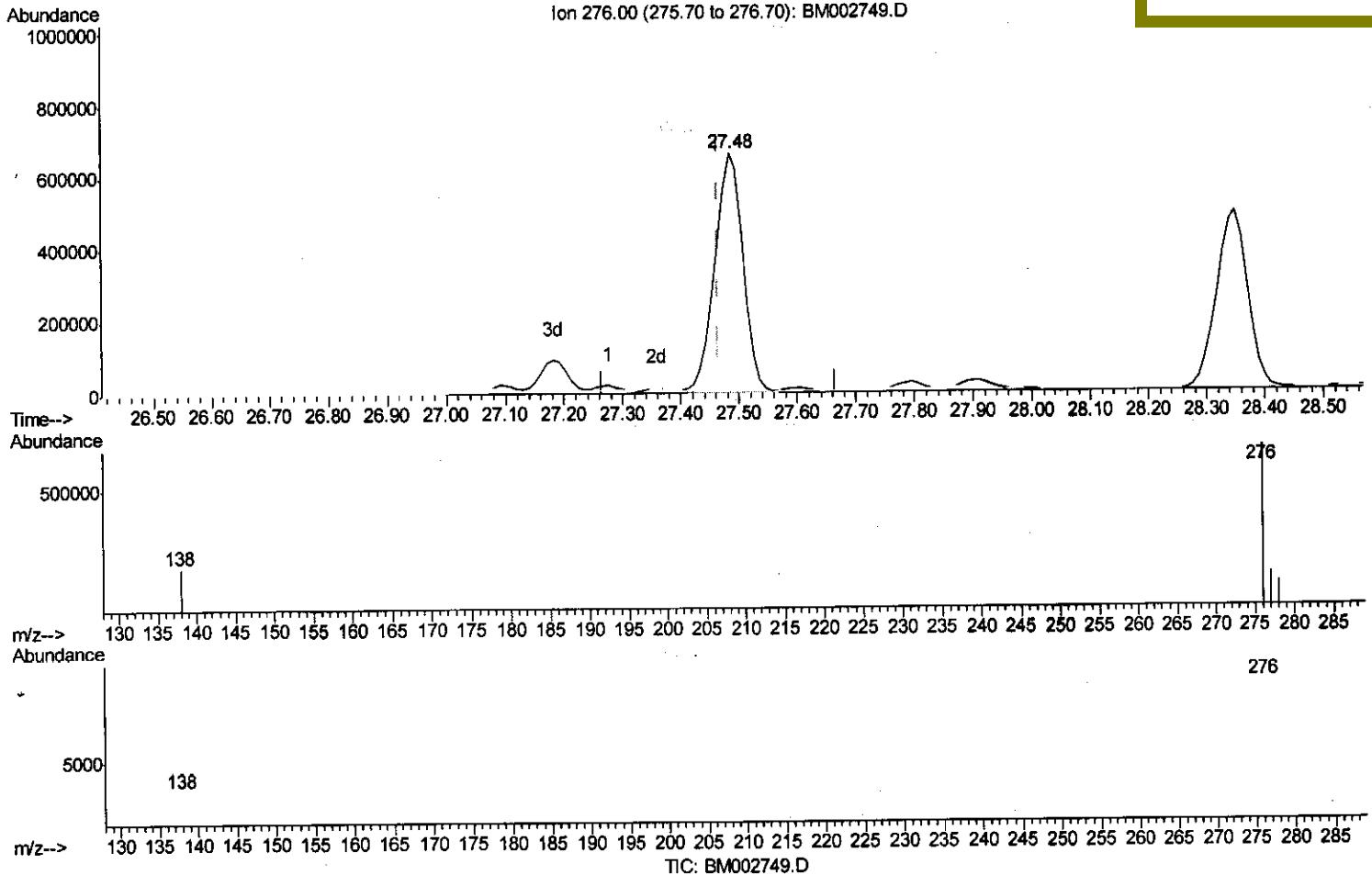
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\  
 Data File : BM002749.D  
 Acq On : 29 Sep 2015 00:33  
 Operator : UM/IZ  
 Sample : G3798-25MS  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9G67MS

Quant Time: Sep 29 04:49:26 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 29 02:52:19 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MMDadoda  
 9/29/2015 3:43:54 PM



(26) Indeno(1,2,3-cd)pyrene

27.484min (+0.019) 13.57ng/ul m

response 2239871

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 34.40 | 0.73# |
| 277.00 | 24.10 | 0.97# |
| 0.00   | 0.00  | 0.00  |

*Handwritten:* > 0.100  
 09/29/15

# Quantitation Report (Qedit)

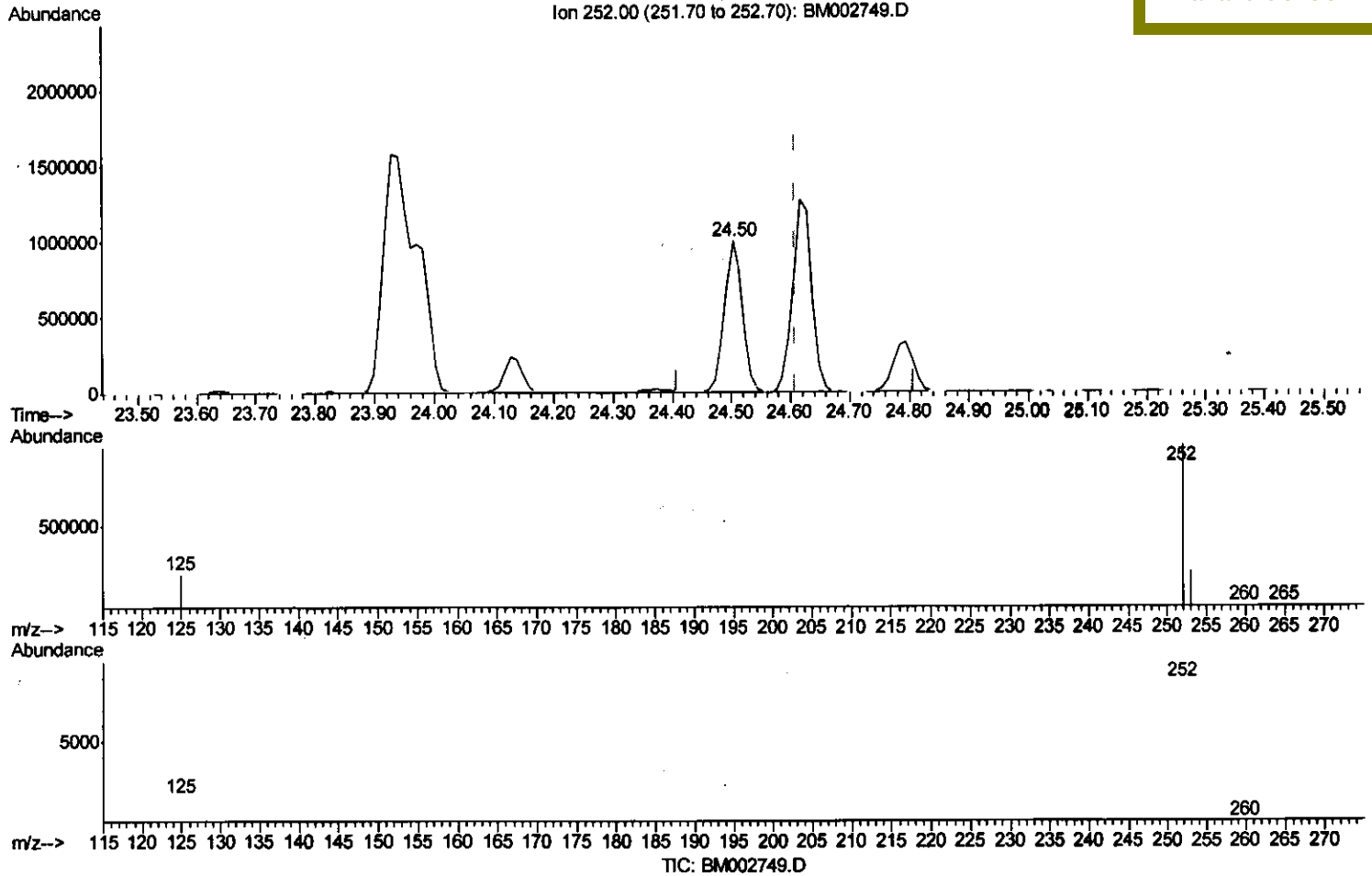
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\  
 Data File : BM002749.D  
 Acq On : 29 Sep 2015 00:33  
 Operator : UM/IZ  
 Sample : G3798-25MS  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9G67MS

Manual Integrations  
 APPROVED

MMDadoda  
 9/29/2015 3:43:54 PM

Quant Time: Sep 29 04:49:26 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 29 02:52:19 2015  
 Response via : Initial Calibration



(25) Benzo(a)pyrene (C)

24.502min (-0.106) 14.21ng/ul

response 2103691

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 27.30 | 21.88 |
| 125.00 | 18.10 | 20.95 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

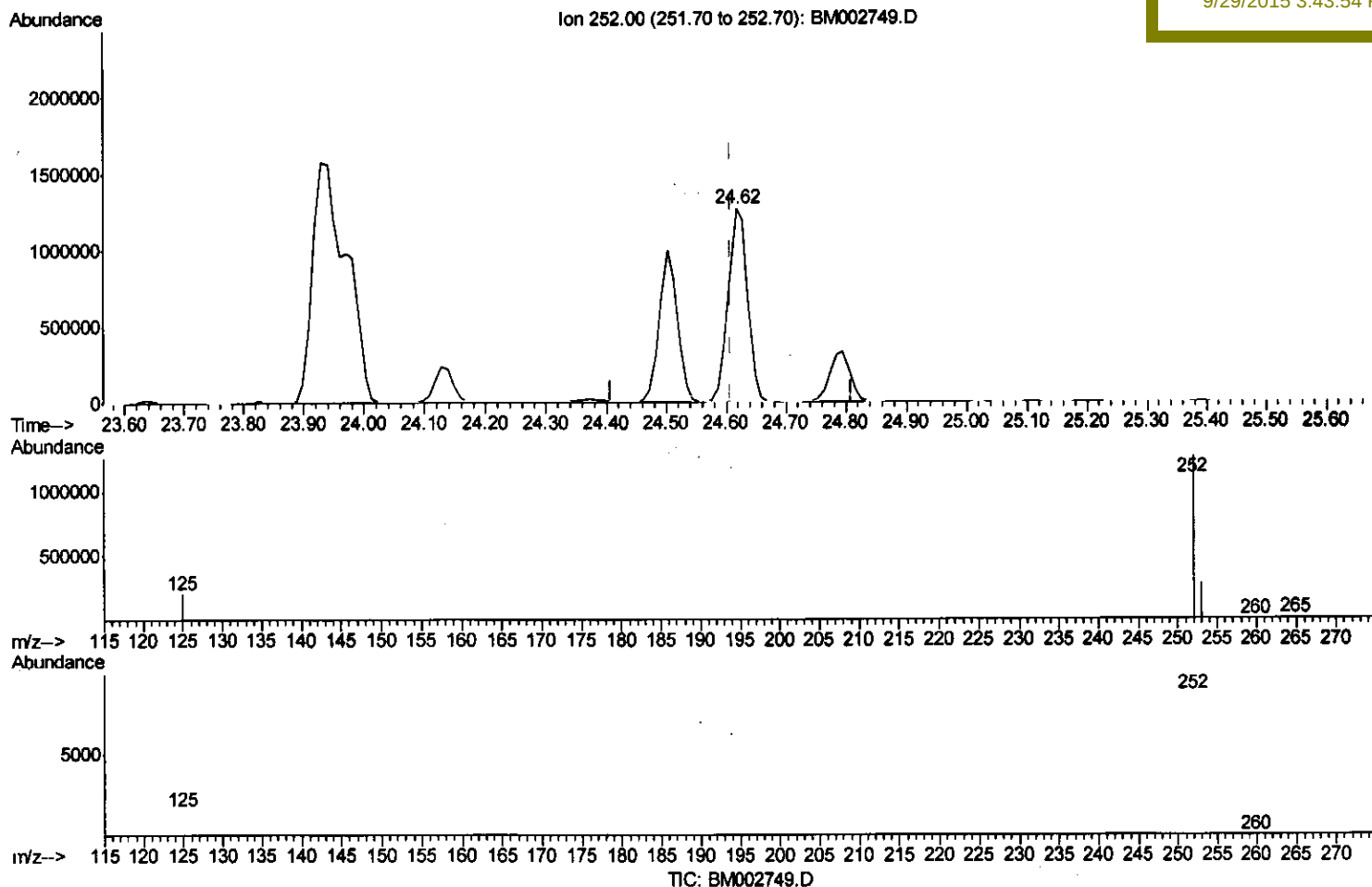
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\  
Data File : BM002749.D  
Acq On : 29 Sep 2015 00:33  
Operator : UM/IZ  
Sample : G3798-25MS  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA M  
ClientSampleId :  
D9G67MS

Quant Time: Sep 29 04:49:26 2015  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 29 02:52:19 2015  
Response via : Initial Calibration

Manual Integrations  
APPROVED

MMDadoda  
9/29/2015 3:43:54 PM



(25) Benzo(a)pyrene (C)

24.617min (+0.009) 19.32ng/ul m

response 2860129

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 27.30 | 22.25 |
| 125.00 | 18.10 | 16.39 |
| 0.00   | 0.00  | 0.00  |

> 0.1 M  
09/30/15

## Quantitation Report (Qedit)

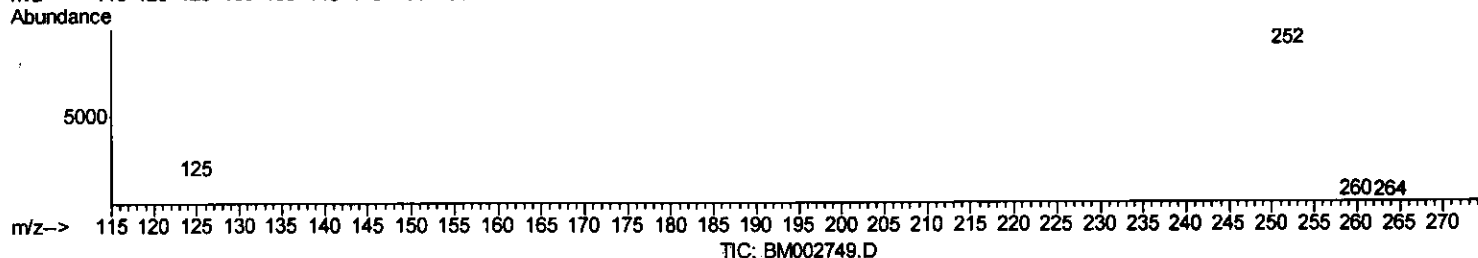
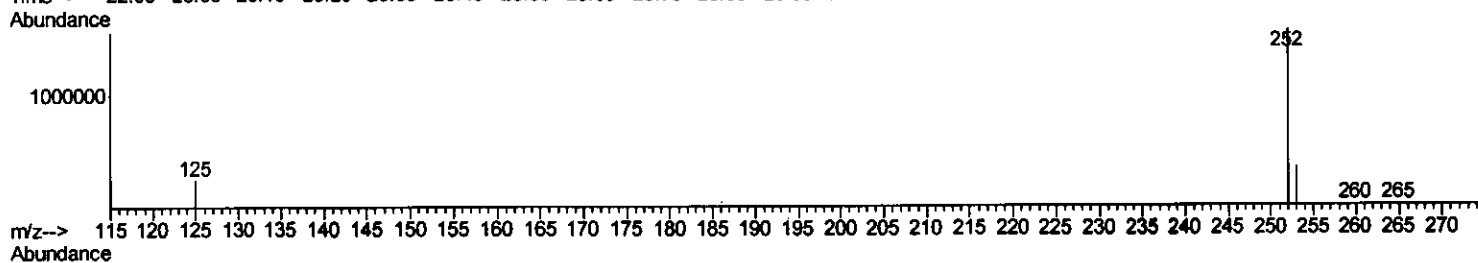
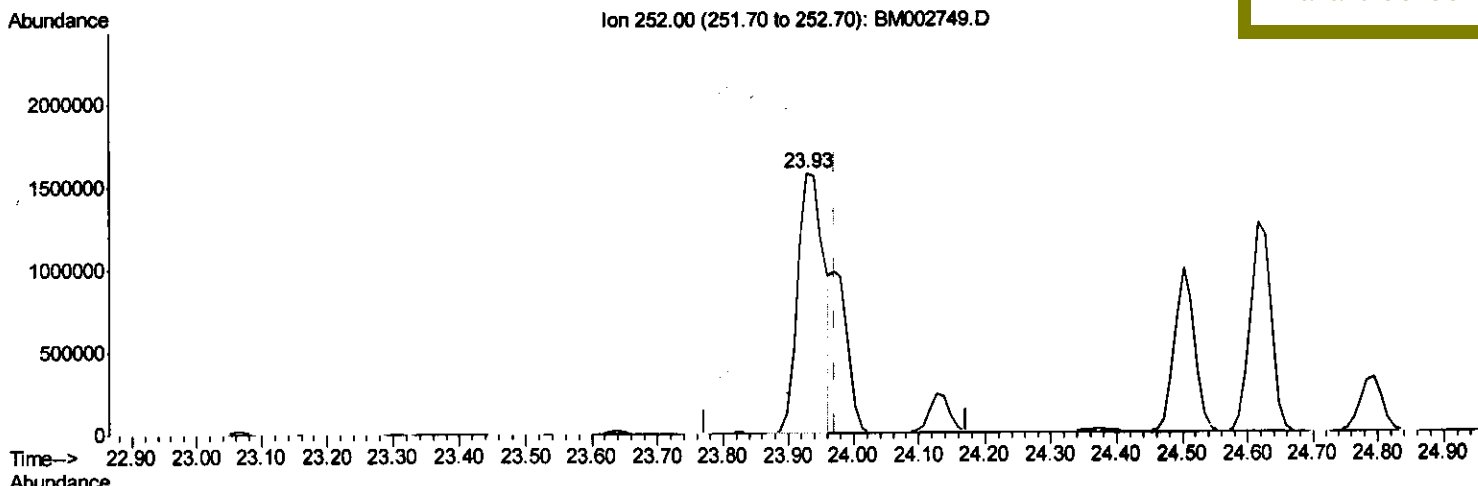
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\  
Data File : BM002749.D  
Acq On : 29 Sep 2015 00:33  
Operator : UM/IZ  
Sample : G3798-25MS  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
D9G67MS

Quant Time: Sep 29 04:49:26 2015  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 29 02:52:19 2015  
Response via : Initial Calibration

Manual Integrations  
APPROVED

MMDadoda  
9/29/2015 3:43:54 PM



(24) Benzo(k)fluoranthene

23.929min (-0.043) 29.58ng/ui

response 4405385

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 26.00 | 22.23 |
| 125.00 | 15.30 | 15.52 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

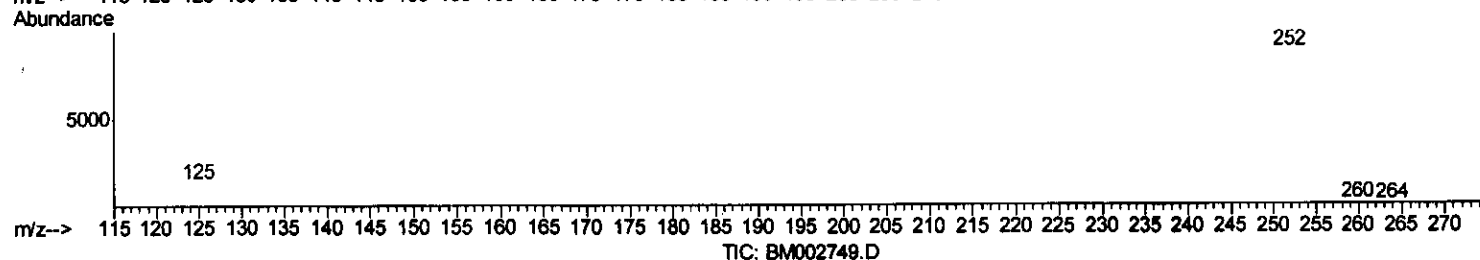
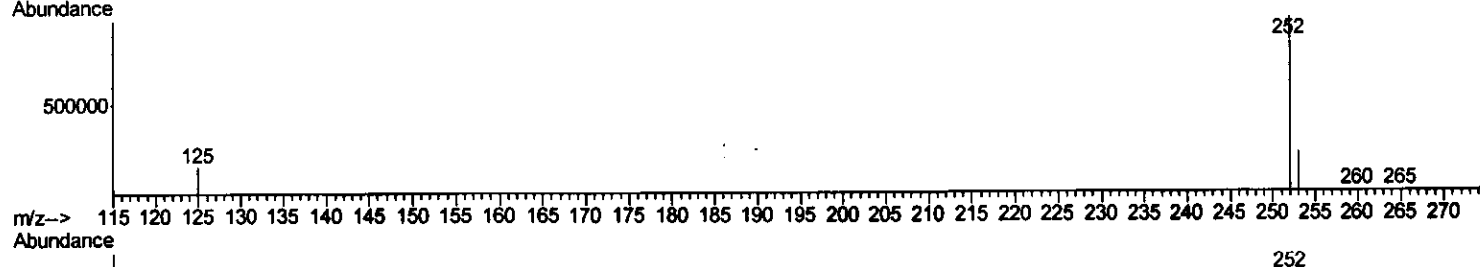
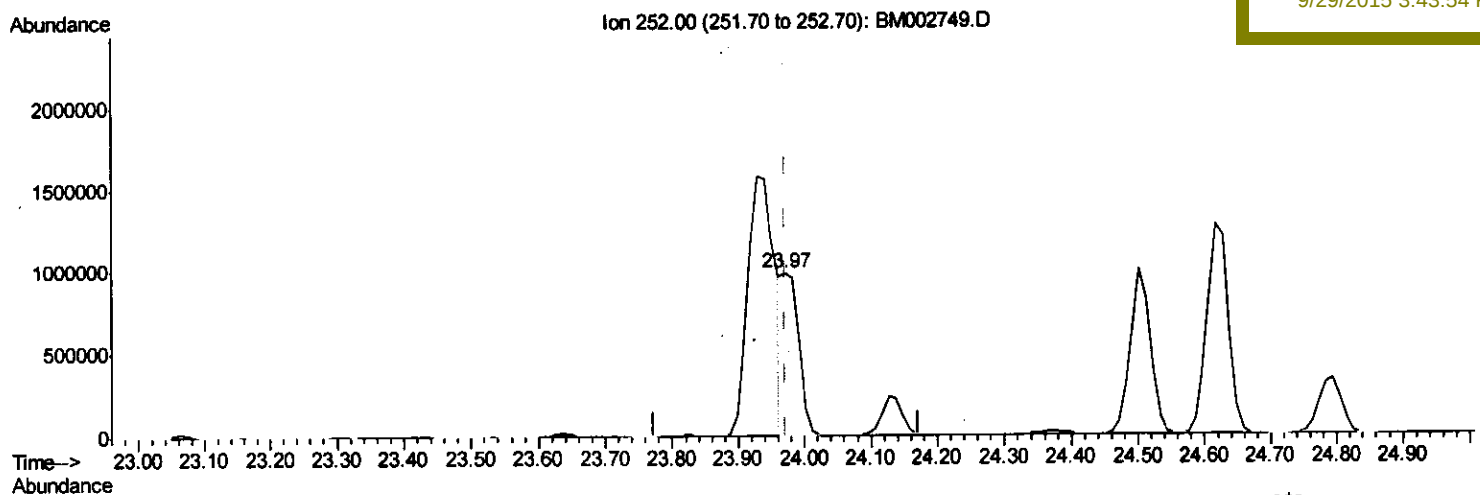
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\  
Data File : BM002749.D  
Acq On : 29 Sep 2015 00:33  
Operator : UM/IZ  
Sample : G3798-25MS  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
D9G67MS

Manual Integrations  
APPROVED

MMDadoda  
9/29/2015 3:43:54 PM

Quant Time: Sep 29 04:49:26 2015  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 29 02:52:19 2015  
Response via : Initial Calibration



(24) Benzo(k)fluoranthene

23.971min (-0.002) 11.28ng/ul m

response 1679801

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 26.00 | 22.76 |
| 125.00 | 15.30 | 15.65 |
| 0.00   | 0.00  | 0.00  |

> U.M  
09/30/15

# Quantitation Report (Qedit)

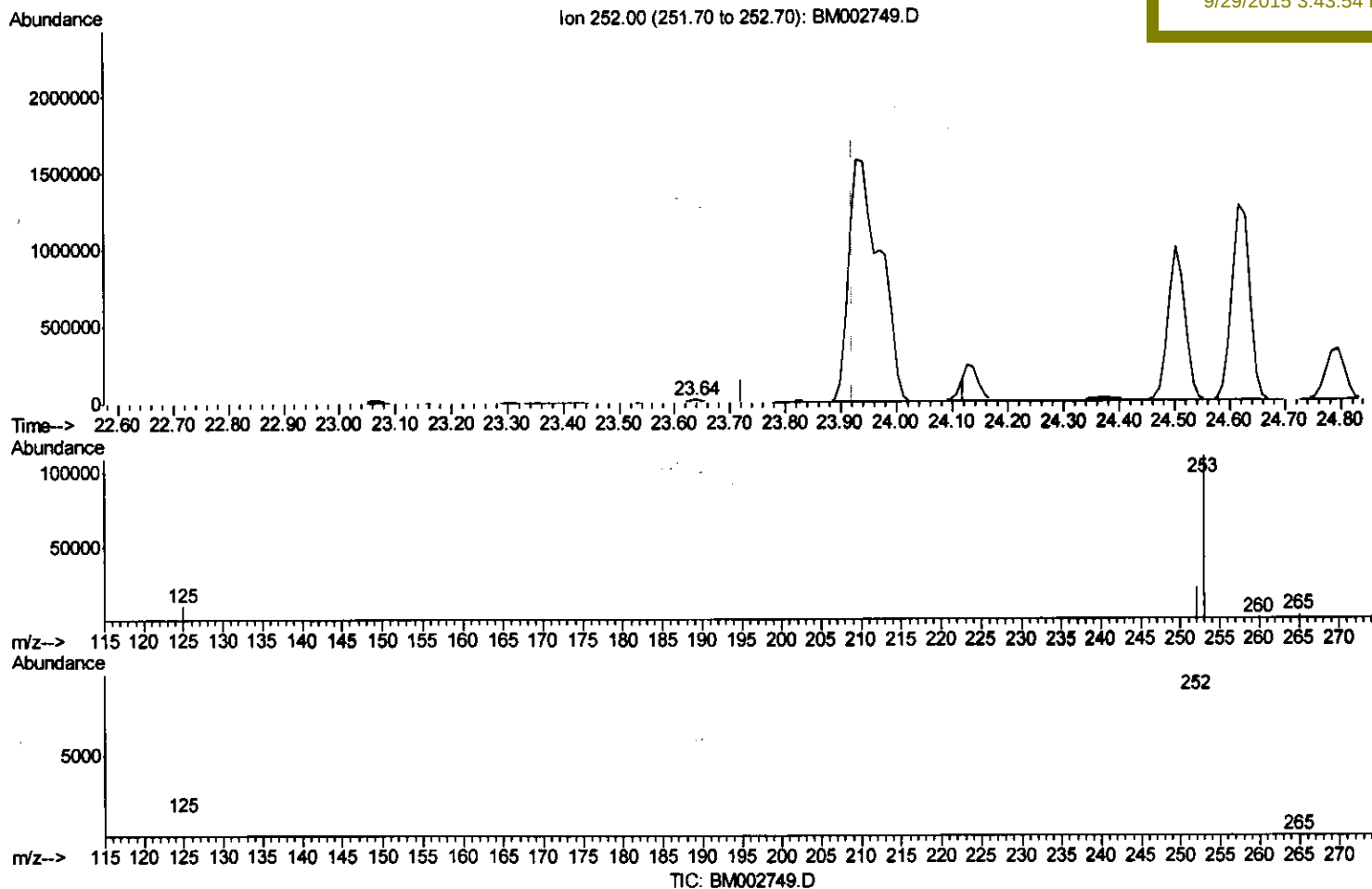
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\  
 Data File : BM002749.D  
 Acq On : 29 Sep 2015 00:33  
 Operator : UM/IZ  
 Sample : G3798-25MS  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9G67MS

Manual Integrations  
 APPROVED

MMDadoda  
 9/29/2015 3:43:54 PM

Quant Time: Sep 29 04:49:26 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 29 02:52:19 2015  
 Response via : Initial Calibration



(23) Benzo(b)fluoranthene  
 23.637min (-0.283) 0.29ng/ul  
 response 46394

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 252.00 | 100   | 100     |
| 253.00 | 24.00 | 508.55# |
| 125.00 | 18.30 | 48.01#  |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

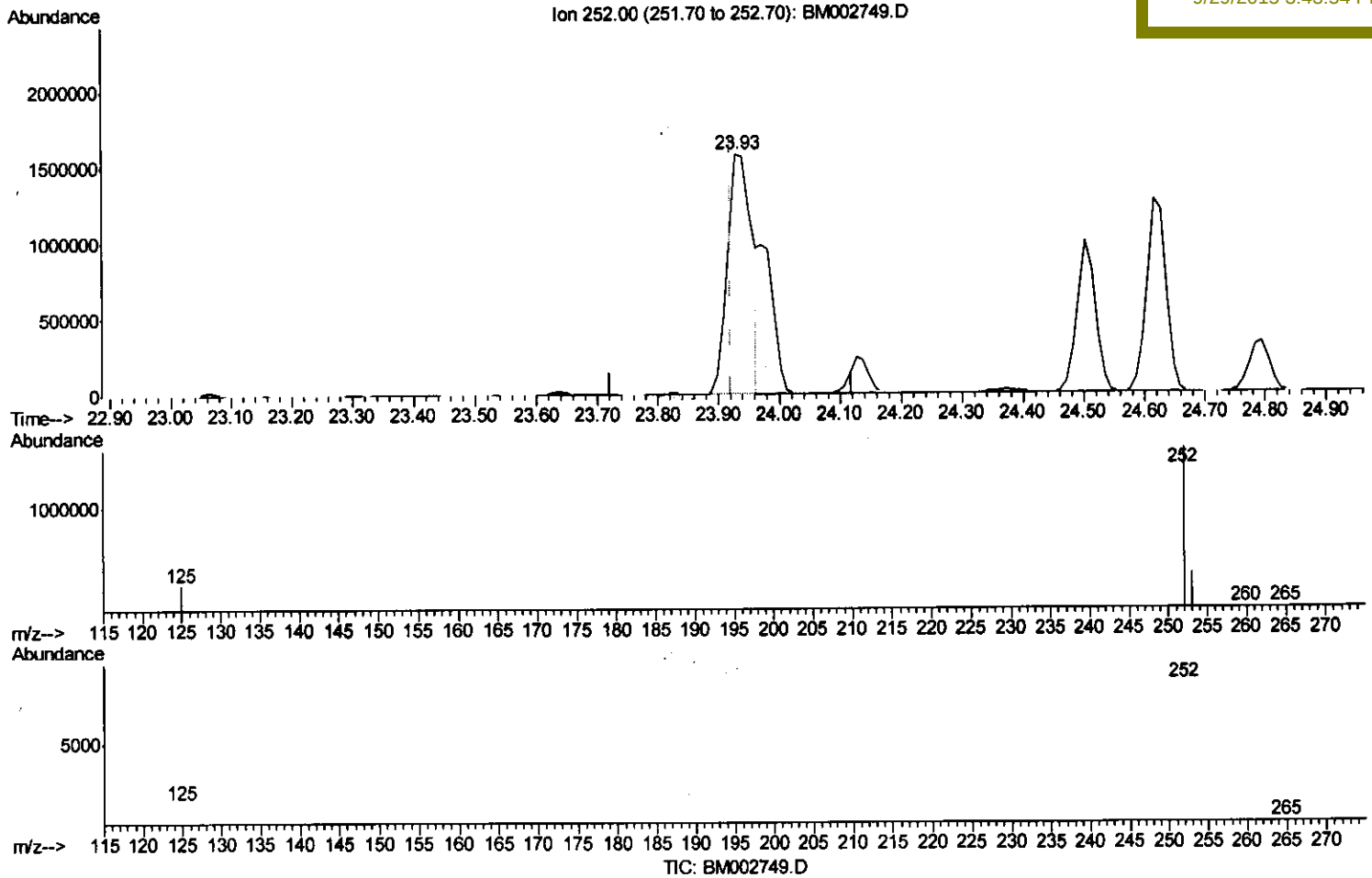
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\  
 Data File : BM002749.D  
 Acq On : 29 Sep 2015 00:33  
 Operator : UM/IZ  
 Sample : G3798-25MS  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9G67MS

Manual Integrations  
 APPROVED

MMDadoda  
 9/29/2015 3:43:54 PM

Quant Time: Sep 29 04:49:26 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 29 02:52:19 2015  
 Response via : Initial Calibration



(23) Benzo(b)fluoranthene

23.929min (+0.009) 27.42ng/ul m

response 4408021

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 24.00 | 22.23 |
| 125.00 | 18.30 | 15.52 |
| 0.00   | 0.00  | 0.00  |

> 0.7  
 09/29/15

## Quantitation Report (Qedit)

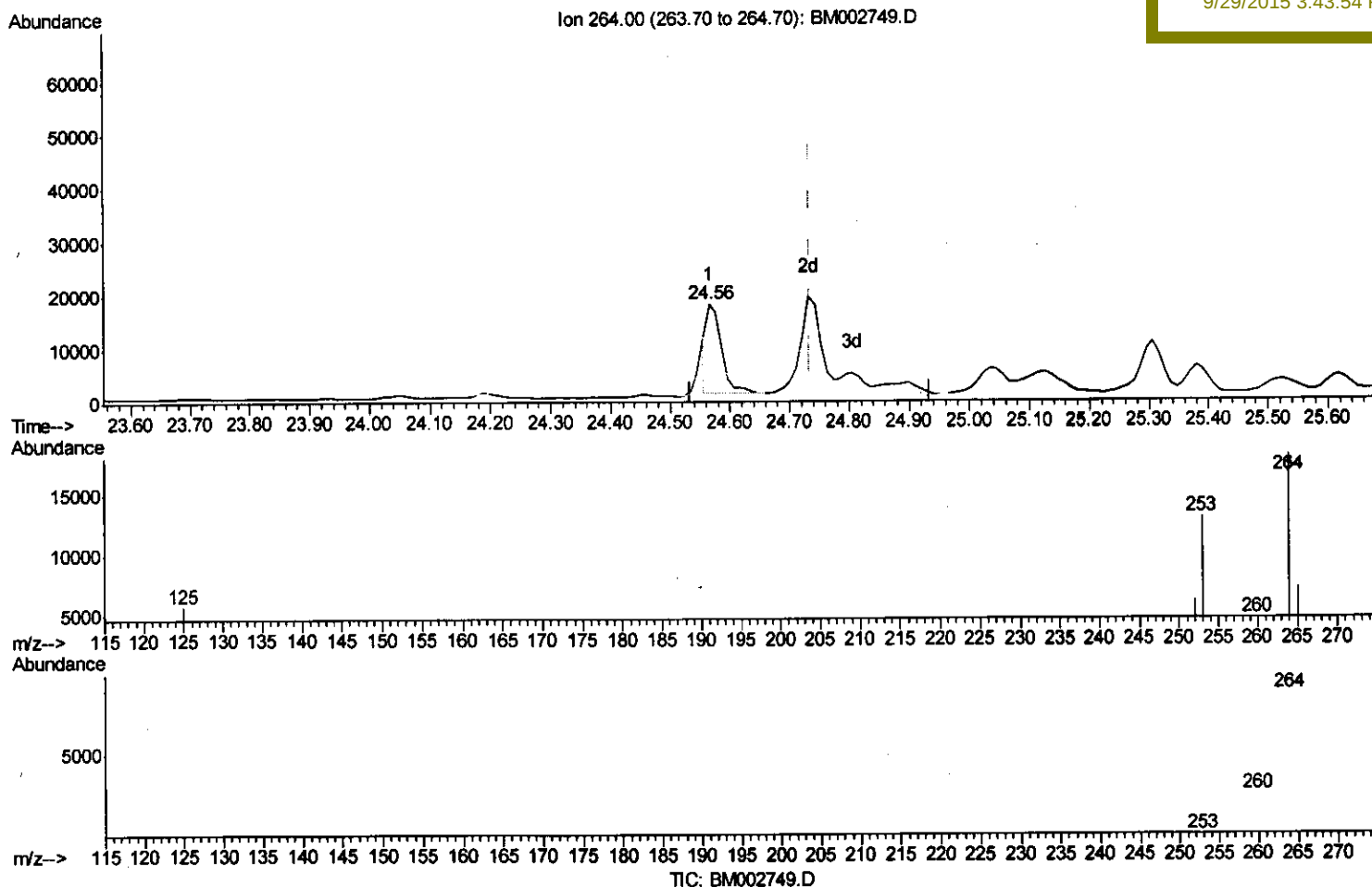
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\  
Data File : BM002749.D  
Acq On : 29 Sep 2015 00:33  
Operator : UM/IZ  
Sample : G3798-25MS  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
D9G67MS

Quant Time: Sep 29 04:42:04 2015  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 29 02:52:19 2015  
Response via : Initial Calibration

Manual Integrations  
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9/29/2015 3:43:54 PM



(22) Perylene-d12 (I)

24.565min (-0.169) 0.40ng/ul

response 28741

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 264.00 | 100   | 100   |
| 260.00 | 28.90 | 25.67 |
| 265.00 | 34.70 | 39.68 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

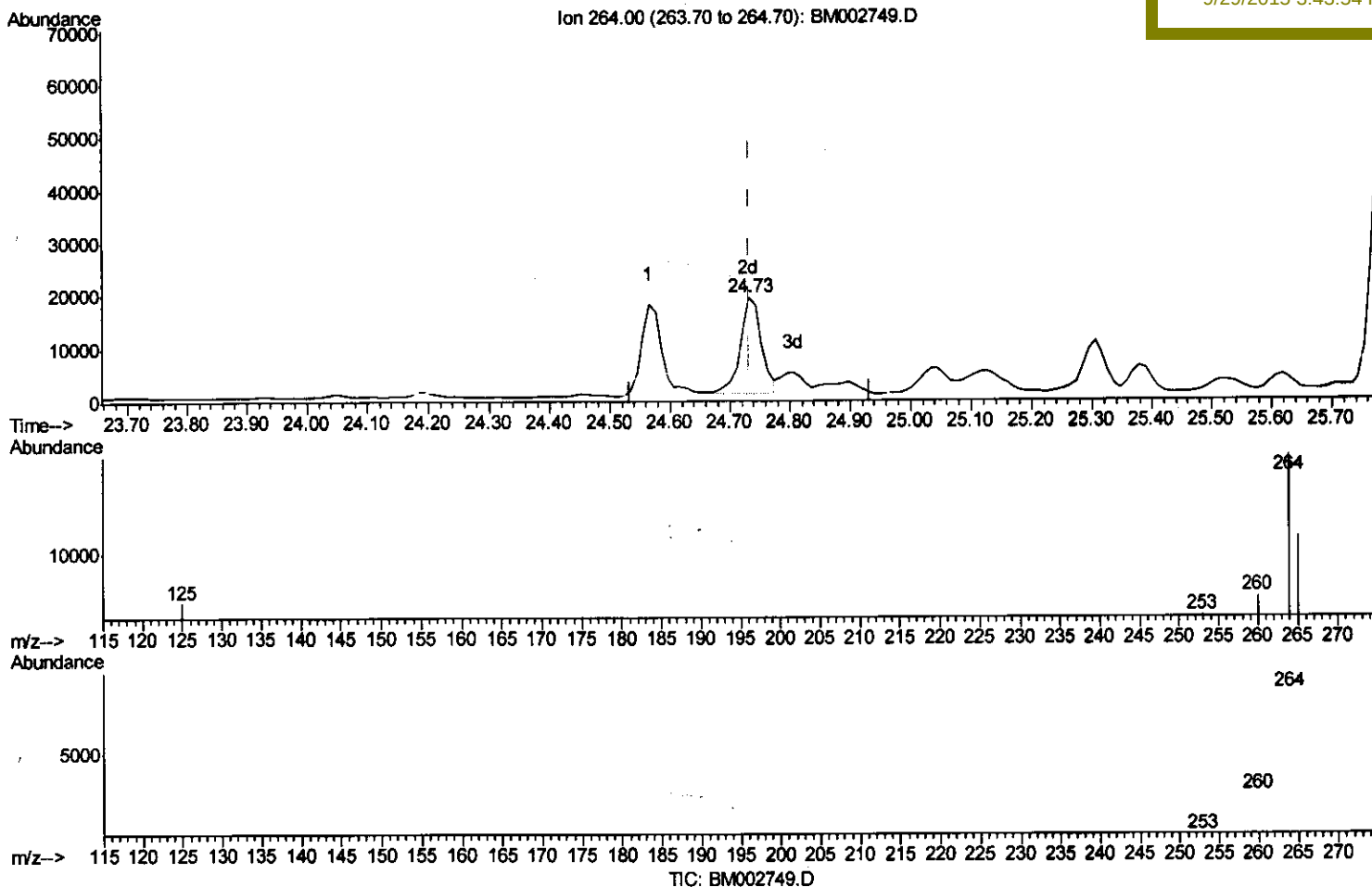
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\  
 Data File : BM002749.D  
 Acq On : 29 Sep 2015 00:33  
 Operator : UM/IZ  
 Sample : G3798-25MS  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9G67MS

Quant Time: Sep 29 04:42:04 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 29 02:52:19 2015  
 Response via : Initial Calibration

Manual Integrations  
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 9/29/2015 3:43:54 PM



(22) Perylene-d12 (I)

24.732min (-0.002) 0.40ng/ul m

response 44593

> U.M  
 09/30/15

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 264.00 | 100   | 100    |
| 260.00 | 28.90 | 29.30  |
| 265.00 | 34.70 | 58.86# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

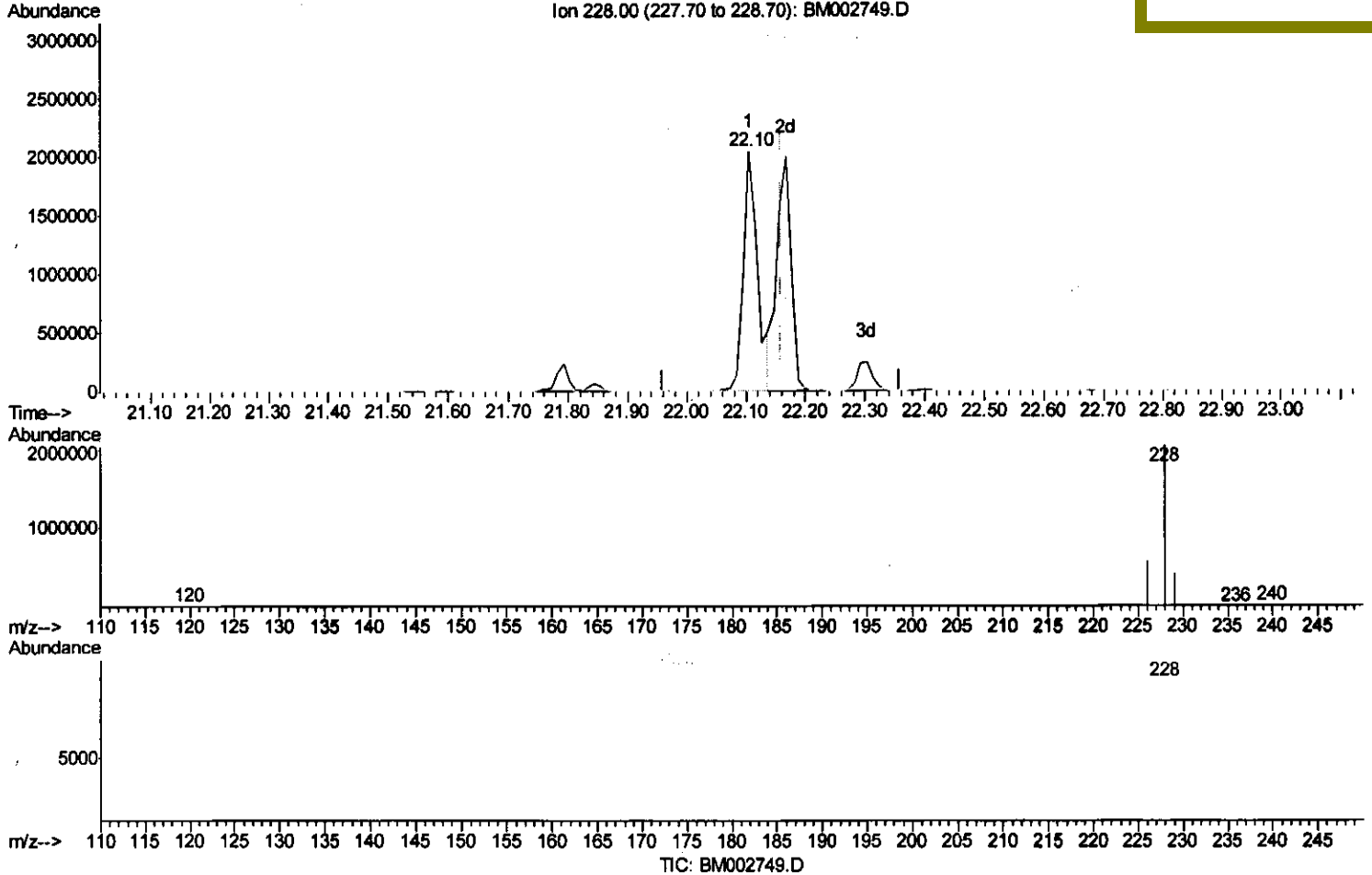
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\  
 Data File : BM002749.D  
 Acq On : 29 Sep 2015 00:33  
 Operator : UM/IZ  
 Sample : G3798-25MS  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9G67MS

Manual Integrations  
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 9/29/2015 3:43:54 PM

Quant Time: Sep 29 04:42:04 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 29 02:52:19 2015  
 Response via : Initial Calibration



(21) Chrysene

22.105min (-0.054) 24.89ng/ul

response 3411767

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 32.10 | 28.04 |
| 229.00 | 19.00 | 19.81 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

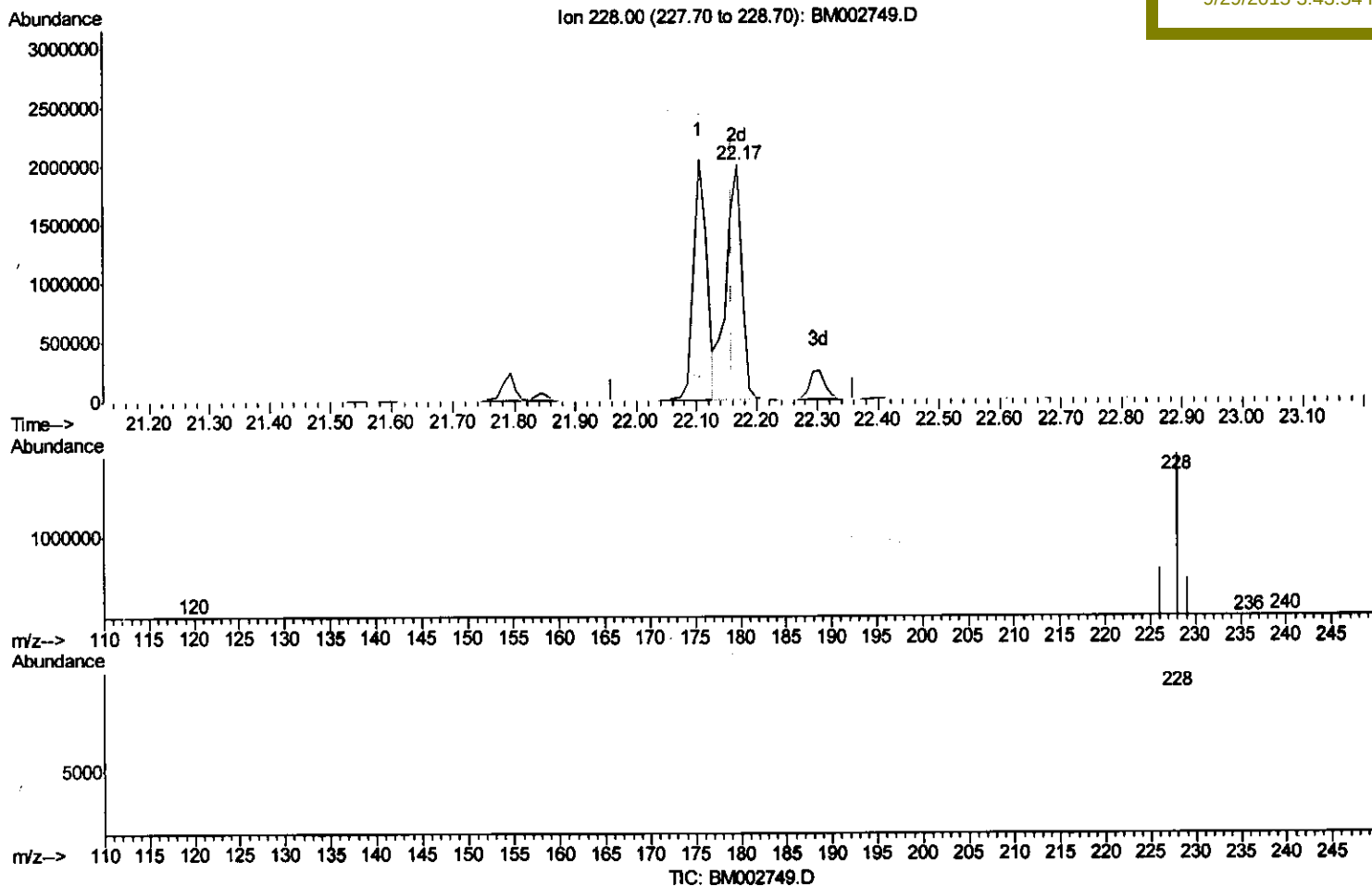
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\  
 Data File : BM002749.D  
 Acq On : 29 Sep 2015 00:33  
 Operator : UM/IZ  
 Sample : G3798-25MS  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9G67MS

Manual Integrations  
 APPROVED

MMDadoda  
 9/29/2015 3:43:54 PM

Quant Time: Sep 29 04:42:04 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 29 02:52:19 2015  
 Response via : Initial Calibration



(21) Chrysene

22.168min (+0.009) 26.06ng/ul m

response 3572116

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 226.00 | 32.10 | 28.50  |
| 229.00 | 19.00 | 22.83# |
| 0.00   | 0.00  | 0.00   |

U.M.  
 09/29/15

## Quantitation Report (Qedit)

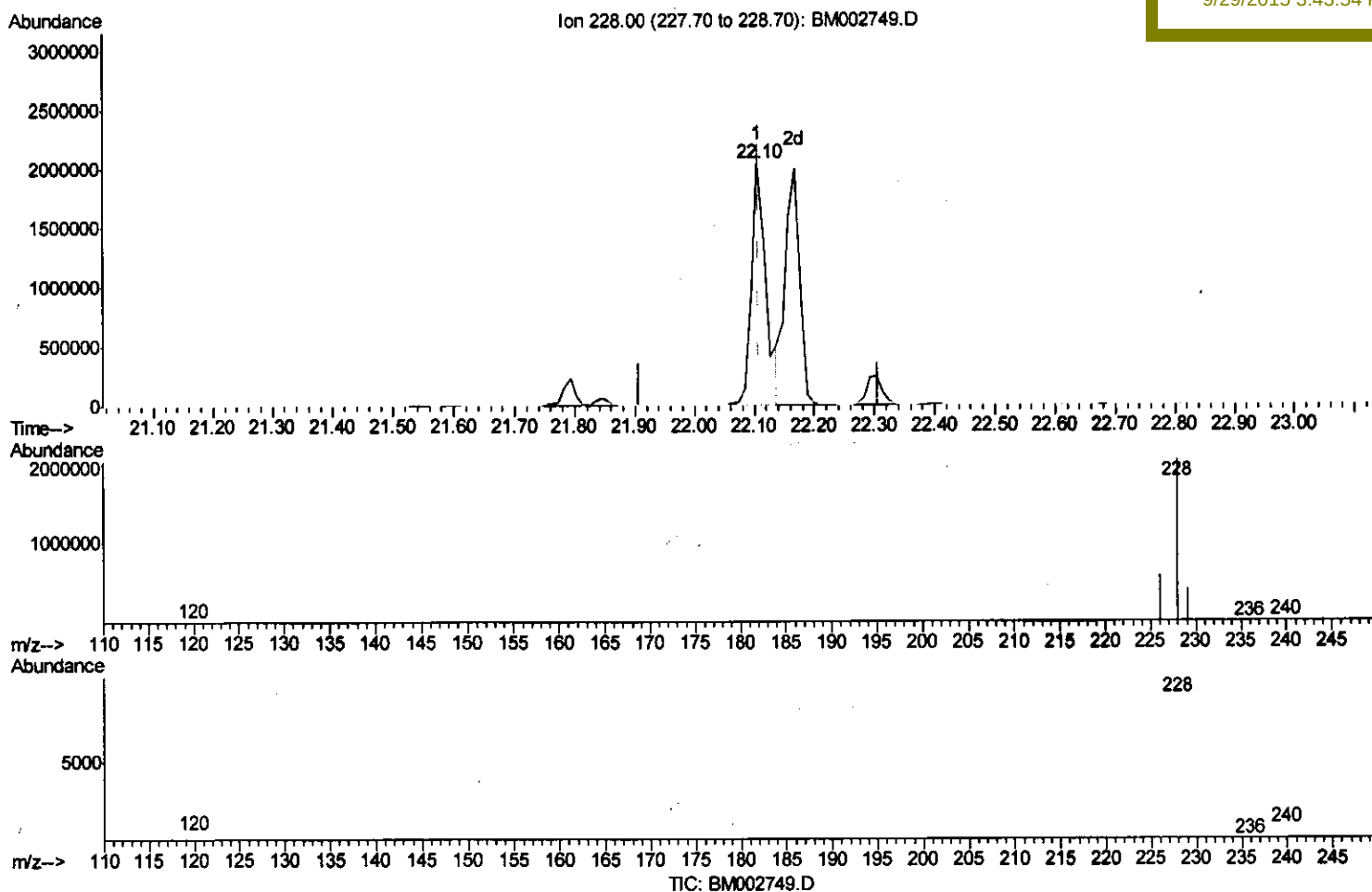
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\  
Data File : BM002749.D  
Acq On : 29 Sep 2015 00:33  
Operator : UM/IZ  
Sample : G3798-25MS  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
D9G67MS

Quant Time: Sep 29 04:42:04 2015  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 29 02:52:19 2015  
Response via : Initial Calibration

Manual Integrations  
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(20) Benzo(a)anthracene

22.105min (-0.002) 23.82ng/ul

response 3411767

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 28.70 | 28.04 |
| 229.00 | 19.00 | 19.81 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

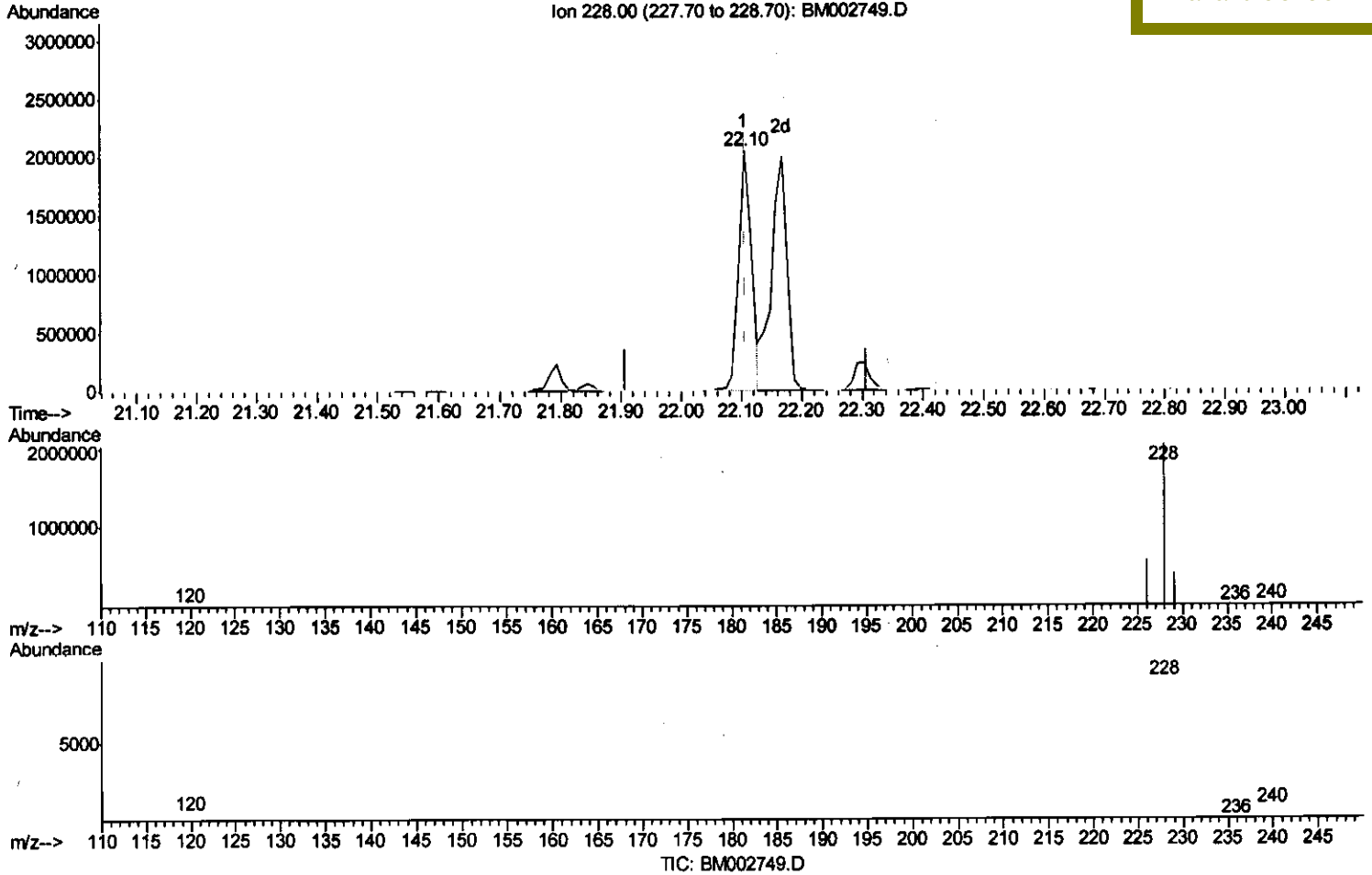
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\  
 Data File : BM002749.D  
 Acq On : 29 Sep 2015 00:33  
 Operator : UM/IZ  
 Sample : G3798-25MS  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9G67MS

Quant Time: Sep 29 04:42:04 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 29 02:52:19 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MMDadoda  
 9/29/2015 3:43:54 PM



(20) Benzo(a)anthracene

22.105min (-0.002) 21.69ng/ul m

response 3105441

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 28.70 | 28.04 |
| 229.00 | 19.00 | 19.81 |
| 0.00   | 0.00  | 0.00  |

70.1M  
 89130115

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\  
 Data File : BM002749.D  
 Acq On : 29 Sep 2015 00:33  
 Operator : UM/IZ  
 Sample : G3798-25MS  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9G67MS

Quant Time: Sep 29 04:54:28 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 29 02:52:19 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

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 9/29/2015 3:43:54 PM

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.74  | 152  | 8288     | 0.40 | ng/ul | 0.00     |
| 4) Naphthalene-d8         | 11.60 | 136  | 32246    | 0.40 | ng/ul | 0.00     |
| 8) Acenaphthene-d10       | 15.33 | 164  | 17257    | 0.40 | ng/ul | 0.00     |
| 12) Phenanthrene-d10      | 18.03 | 188  | 37167    | 0.40 | ng/ul | 0.00     |
| 18) Chrysene-d12          | 22.13 | 240  | 42851    | 0.40 | ng/ul | 0.00     |
| 22) Perylene-d12          | 24.73 | 264  | 44593m   | 0.40 | ng/ul | 0.00     |

> U.M  
 09/30/15

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 2) 1,4-Dioxane-d8           | 3.80  | 96   | 15207    | 1.78 | ng/uL | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 13.13 | 152  | 5407m    | 0.11 | ng/ul | 0.00     |
| 16) Fluoranthene-d10        | 20.01 | 212  | 9051     | 0.10 | ng/ul | 0.00     |

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| Target Compounds           | R.T.  | QIon | Response | Conc  | Units | Ovalue |
|----------------------------|-------|------|----------|-------|-------|--------|
| 5) Naphthalene             | 11.65 | 128  | 20034    | 0.23  | ng/ul | 99     |
| 7) 2-Methylnaphthalene     | 13.20 | 142  | 12738    | 0.23  | ng/ul | 99     |
| 9) Acenaphthylene          | 15.06 | 152  | 84830    | 0.95  | ng/ul | 96     |
| 10) Acenaphthene           | 15.38 | 153  | 694581   | 10.69 | ng/ul | 95     |
| 11) Fluorene               | 16.36 | 166  | 148914m  | 2.01  | ng/ul | 95     |
| 13) Pentachlorophenol      | 17.69 | 266  | 52102    | 7.18  | ng/ul | 95     |
| 14) Phenanthrene           | 18.08 | 178  | 3998398  | 33.06 | ng/ul | 99     |
| 15) Anthracene             | 18.17 | 178  | 666833   | 5.97  | ng/ul | 96     |
| 17) Fluoranthene           | 20.05 | 202  | 8515993  | 64.74 | ng/ul | 89     |
| 19) Pyrene                 | 20.40 | 202  | 7815104  | 46.80 | ng/ul | 98     |
| 20) Benzo(a)anthracene     | 22.10 | 228  | 3105441m | 21.69 | ng/ul | 95     |
| 21) Chrysene               | 22.17 | 228  | 3572116m | 26.06 | ng/ul | 95     |
| 23) Benzo(b)fluoranthene   | 23.93 | 252  | 4408021m | 27.42 | ng/ul | 95     |
| 24) Benzo(k)fluoranthene   | 23.97 | 252  | 1679801m | 11.28 | ng/ul | 95     |
| 25) Benzo(a)pyrene         | 24.62 | 252  | 2860129m | 19.32 | ng/ul | 95     |
| 26) Indeno(1,2,3-cd)pyrene | 27.48 | 276  | 2239871m | 13.57 | ng/ul | 95     |
| 27) Dibenzo(a,h)anthracene | 27.48 | 278  | 552879m  | 4.08  | ng/ul | 95     |
| 28) Benzo(a,h,i)perylene   | 28.35 | 276  | 1864882m | 13.32 | ng/ul | 95     |

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> U.M  
 09/30/15

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 09/30/15

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