

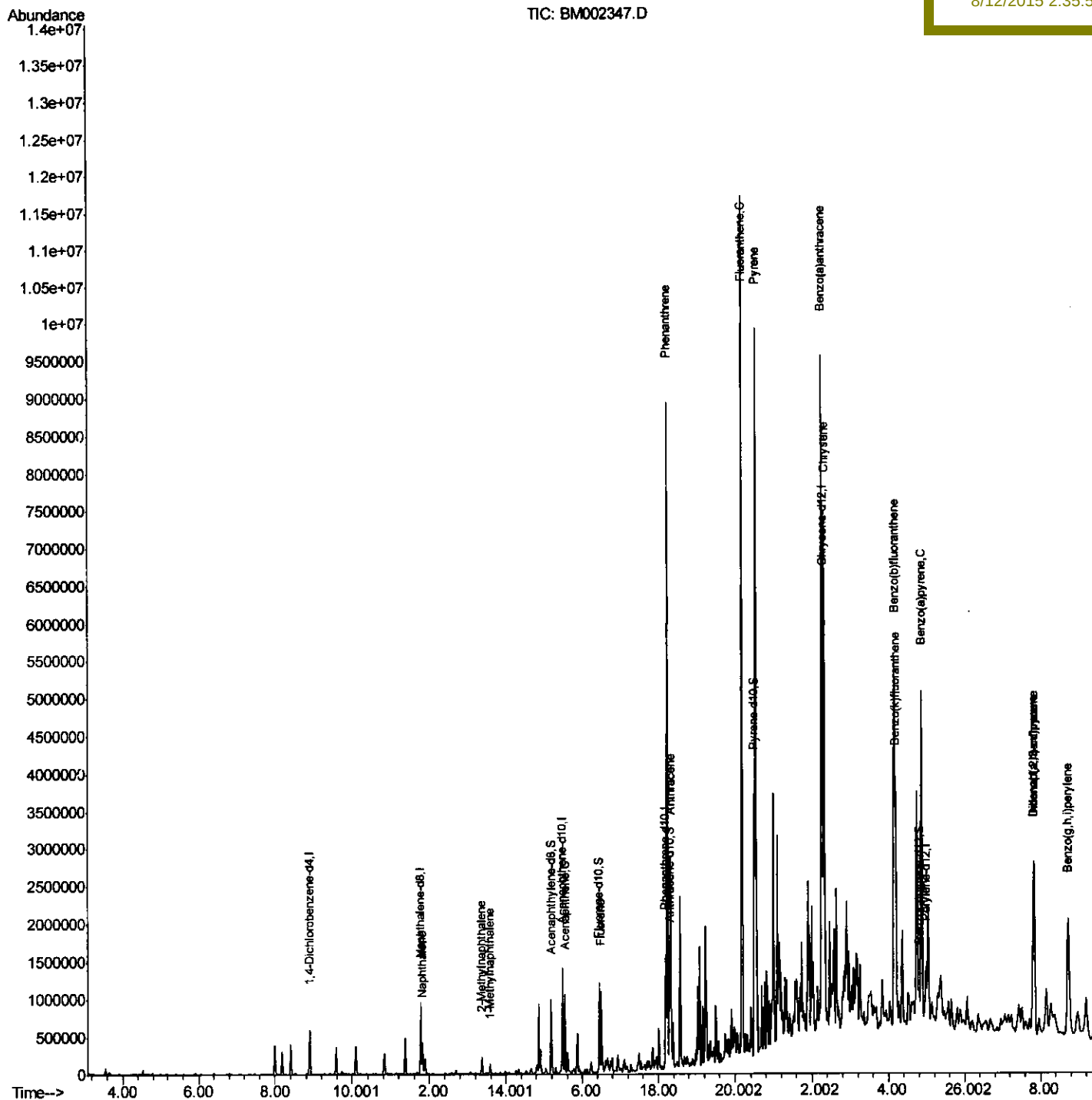
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
Data File : BM002347.D  
Acq On : 12 Aug 2015 06:08  
Operator : UM/IZ  
Sample : G3162-17  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**  
BNA\_M  
**ClientSampleId :**  
D9C84

Quant Time: Aug 12 06:48:20 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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# Quantitation Report (Qedit)

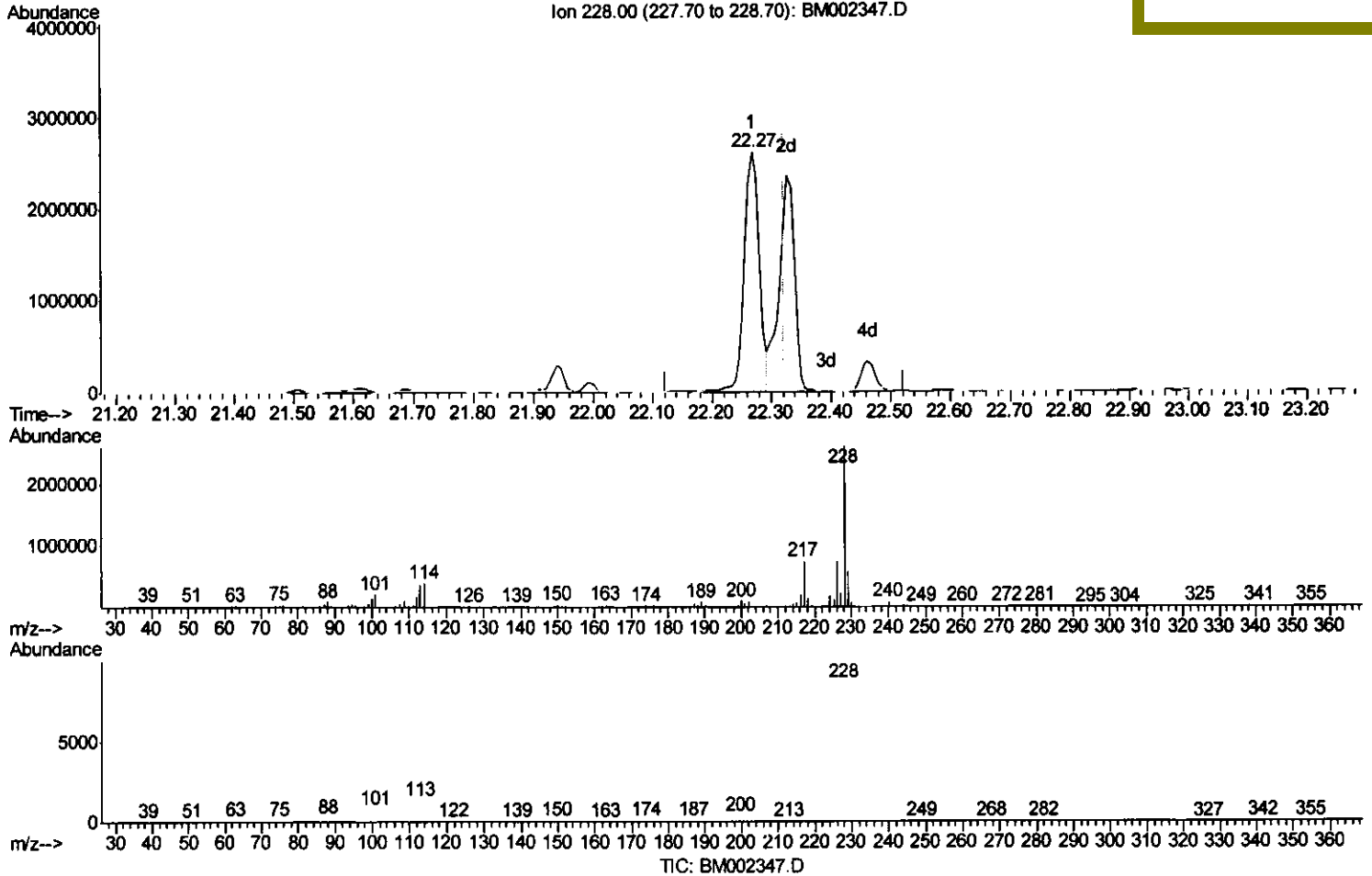
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
 Data File : BM002347.D  
 Acq On : 12 Aug 2015 06:08  
 Operator : UM/IZ  
 Sample : G3162-17  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9C84

Quant Time: Aug 12 06:44:38 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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 8/12/2015 2:35:55 PM



(21) Chrysene

22.268min (-0.053) 118.28ng/ul

response 4530695

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 29.20 | 28.31 |
| 229.00 | 19.40 | 22.09 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

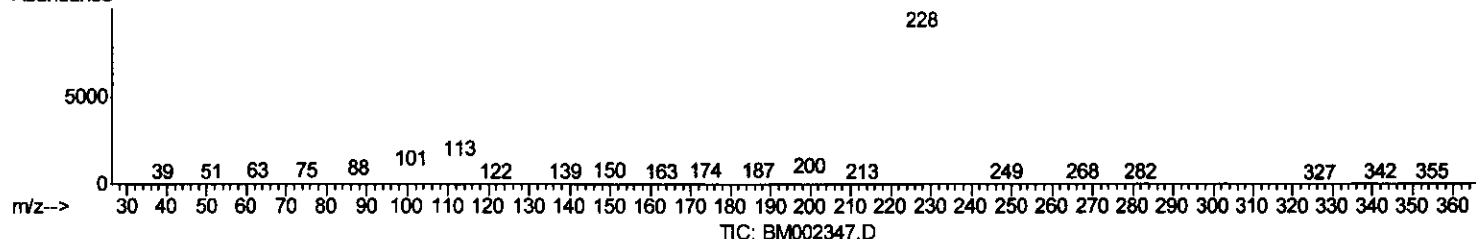
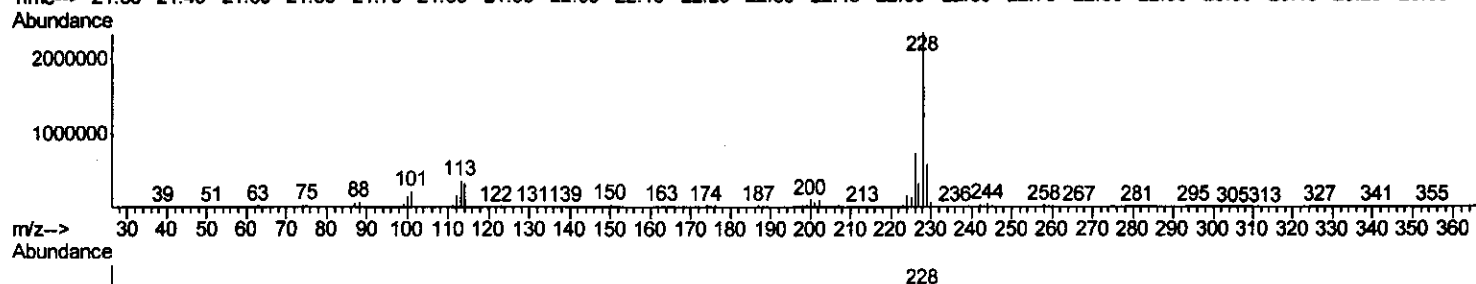
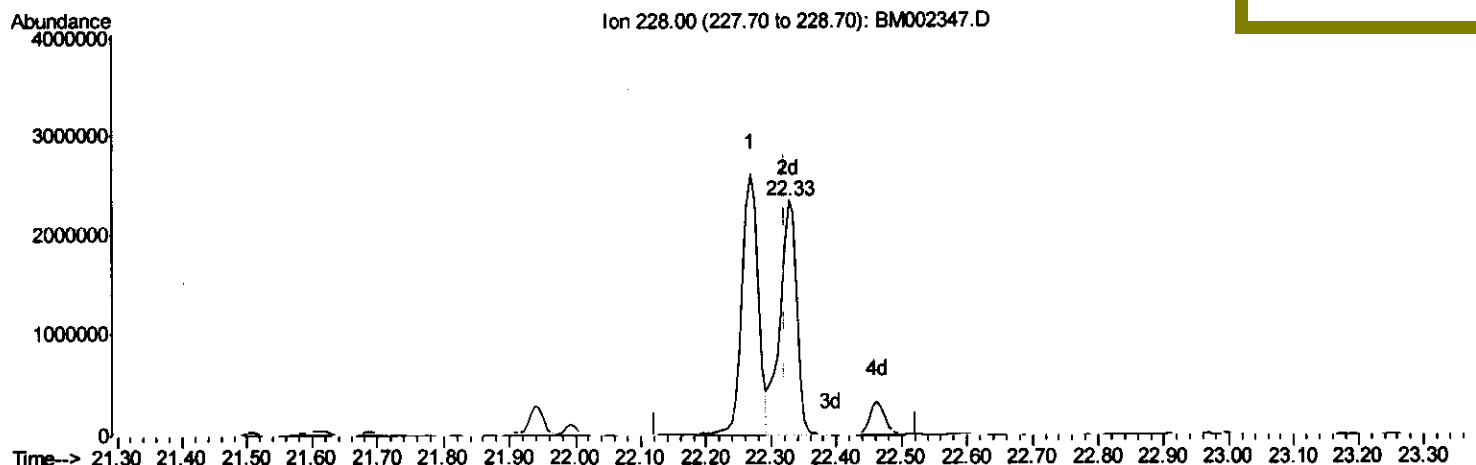
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
 Data File : BM002347.D  
 Acq On : 12 Aug 2015 06:08  
 Operator : UM/IZ  
 Sample : G3162-17  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9C84

Quant Time: Aug 12 06:44:38 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 2:35:55 PM



(21) Chrysene

22.327min (+0.006) 109.42ng/ul m

response 4191643

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 226.00 | 29.20 | 31.04  |
| 229.00 | 19.40 | 24.89# |
| 0.00   | 0.00  | 0.00   |

U.M  
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# Quantitation Report (Qedit)

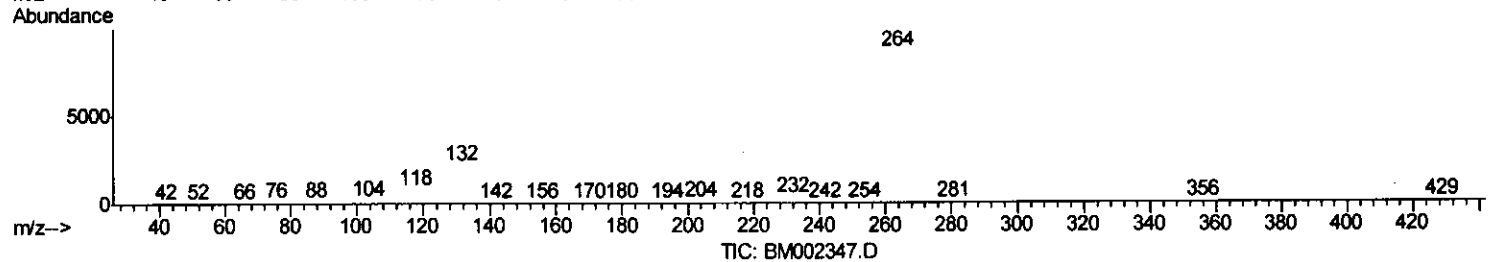
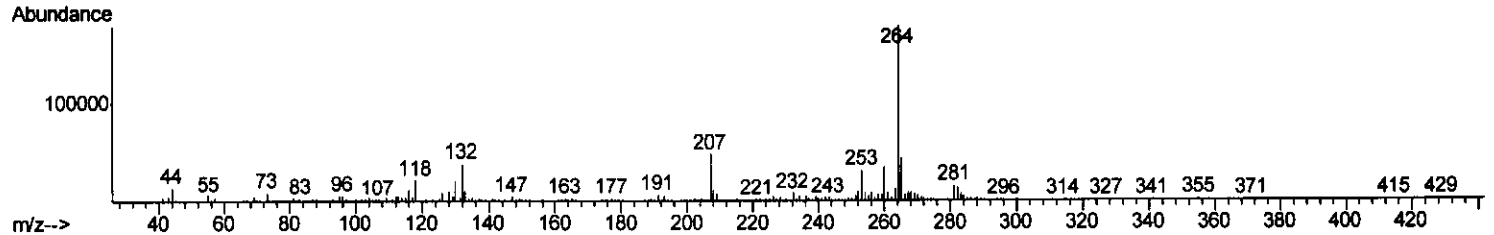
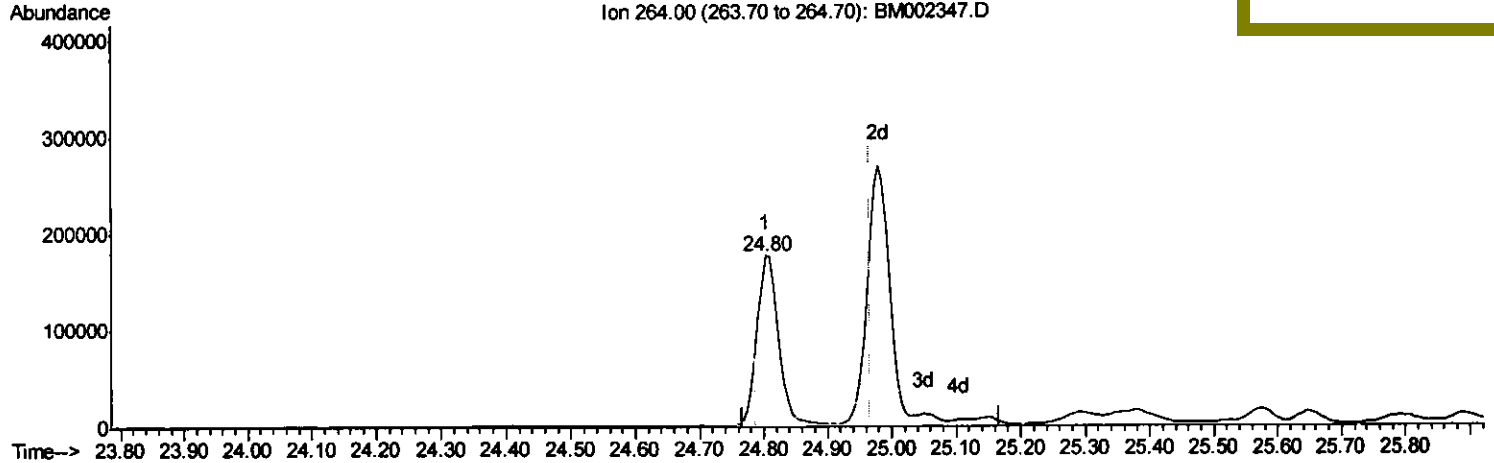
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
 Data File : BM002347.D  
 Acq On : 12 Aug 2015 06:08  
 Operator : UM/IZ  
 Sample : G3162-17  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9C84

Quant Time: Aug 12 06:44:38 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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(22) Perylene-d12 (I)

24.803min (-0.165) 20.00ng/ul

response 361379

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 264.00 | 100   | 100   |
| 260.00 | 23.40 | 19.04 |
| 265.00 | 22.00 | 24.00 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

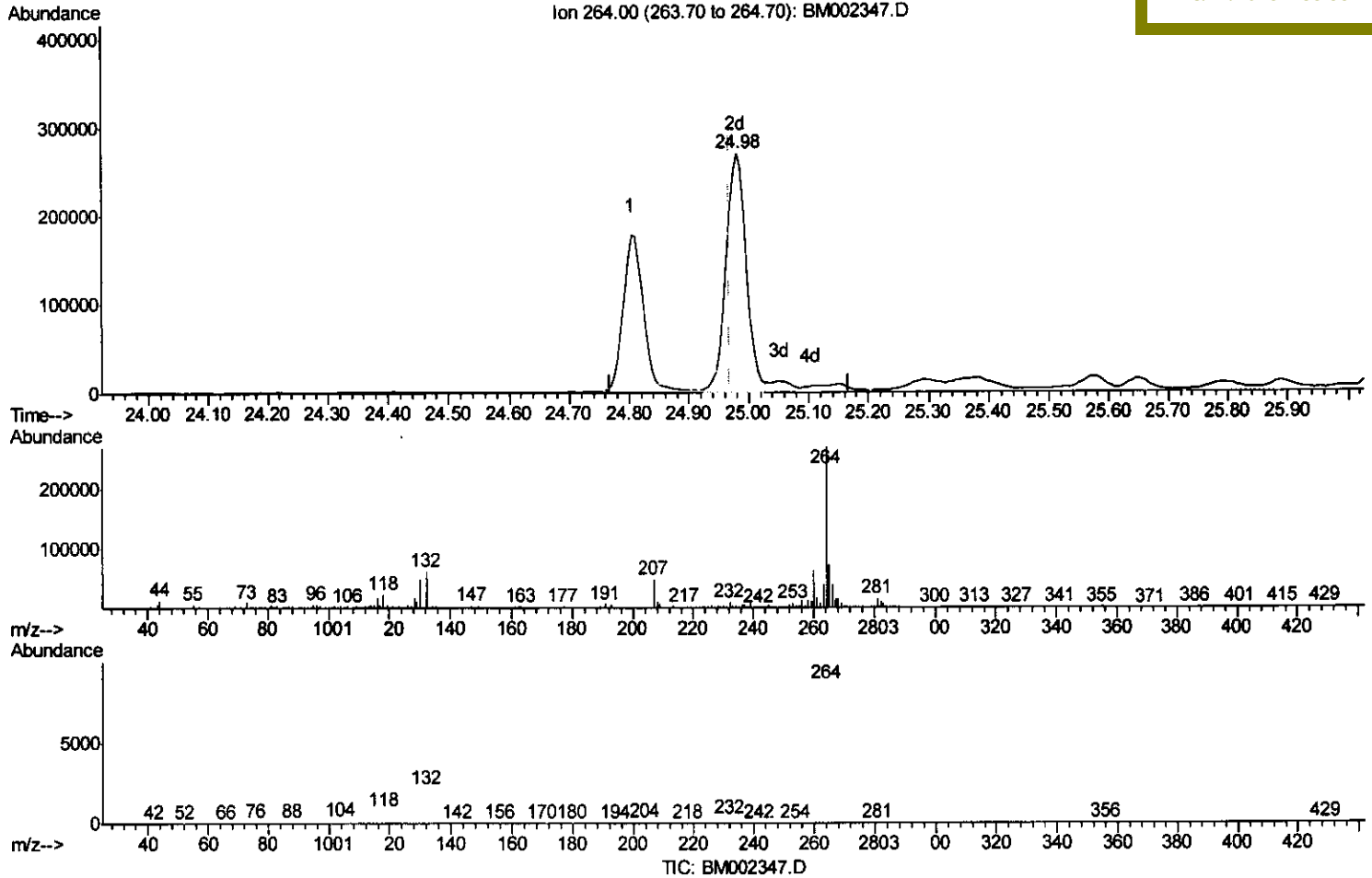
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
 Data File : BM002347.D  
 Acq On : 12 Aug 2015 06:08  
 Operator : UM/IZ  
 Sample : G3162-17  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9C84

Quant Time: Aug 12 06:44:38 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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(22) Perylene-d12 (I)

24.980min (+0.012) 20.00ng/ul m

response 646537

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 264.00 | 100   | 100    |
| 260.00 | 23.40 | 23.66  |
| 265.00 | 22.00 | 26.78# |
| 0.00   | 0.00  | 0.00   |

U.M  
 8/13/15

## Quantitation Report (Qedit)

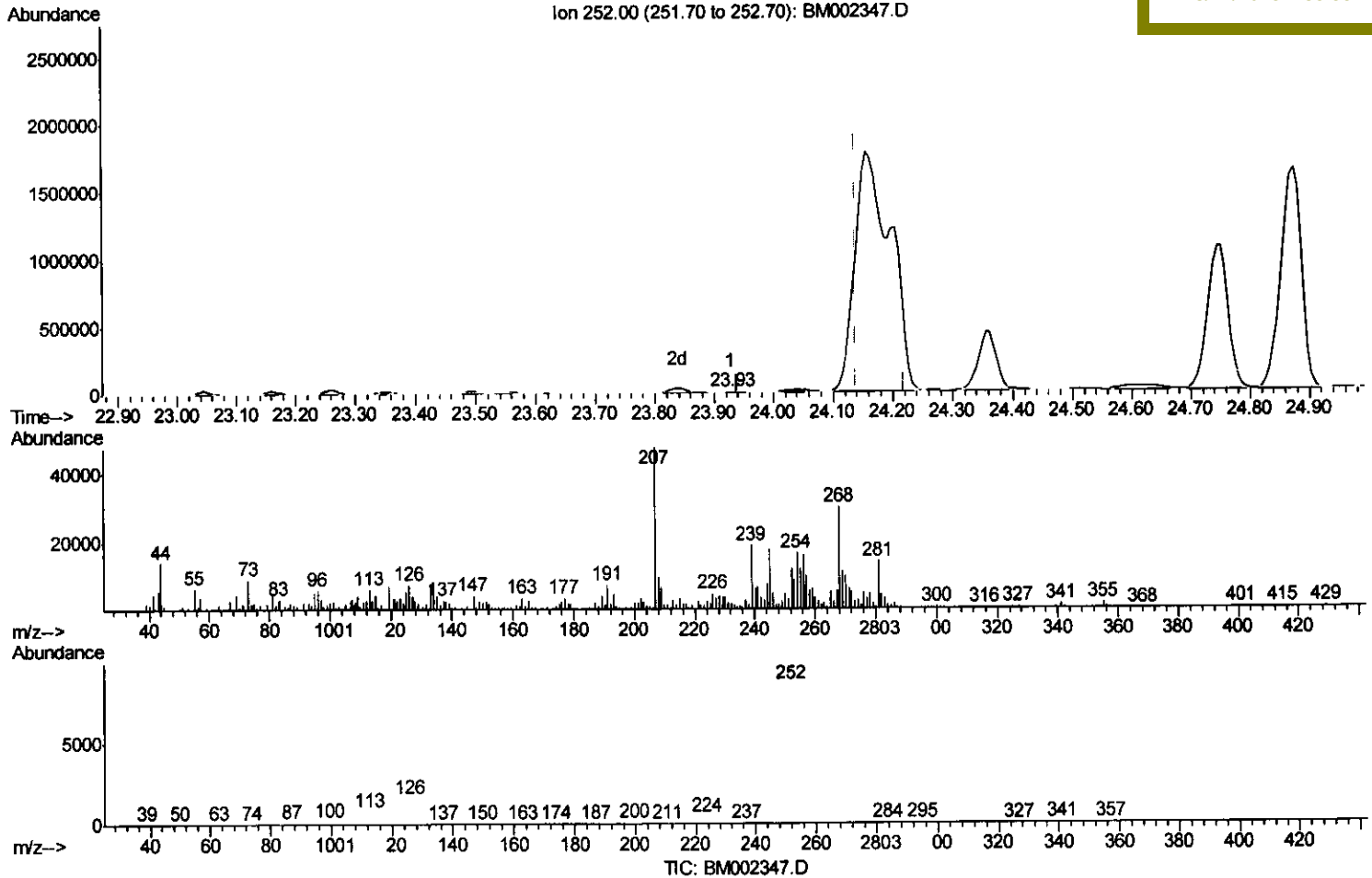
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
Data File : BM002347.D  
Acq On : 12 Aug 2015 06:08  
Operator : UM/IZ  
Sample : G3162-17  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
D9C84

Quant Time: Aug 12 06:44:38 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 2:35:55 PM



(23) Benzo(b)fluoranthene

23.927min (-0.212) 0.63ng/ul

response 25497

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 22.40 | 71.79# |
| 125.00 | 12.90 | 45.44# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

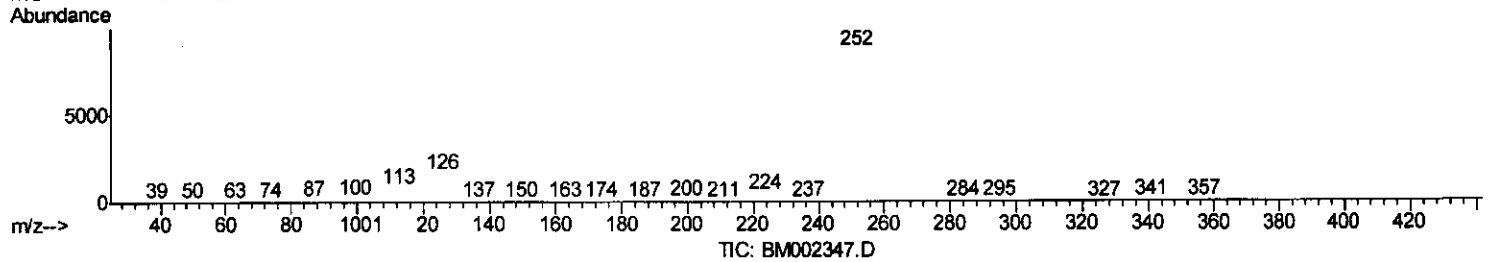
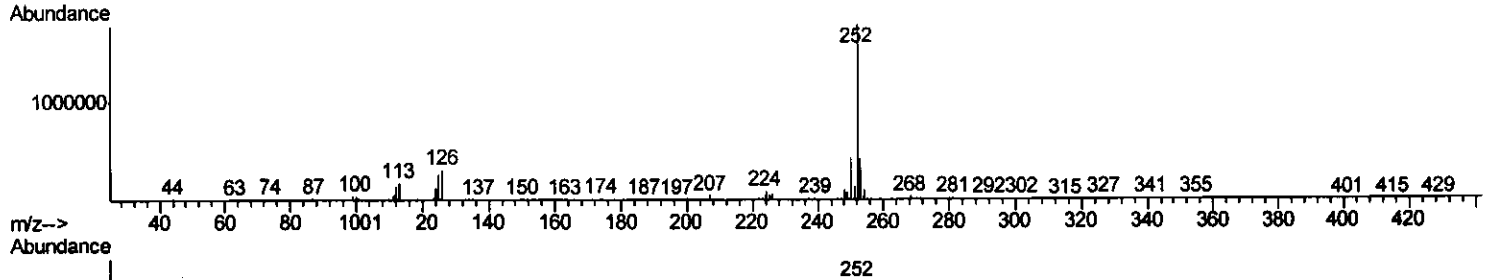
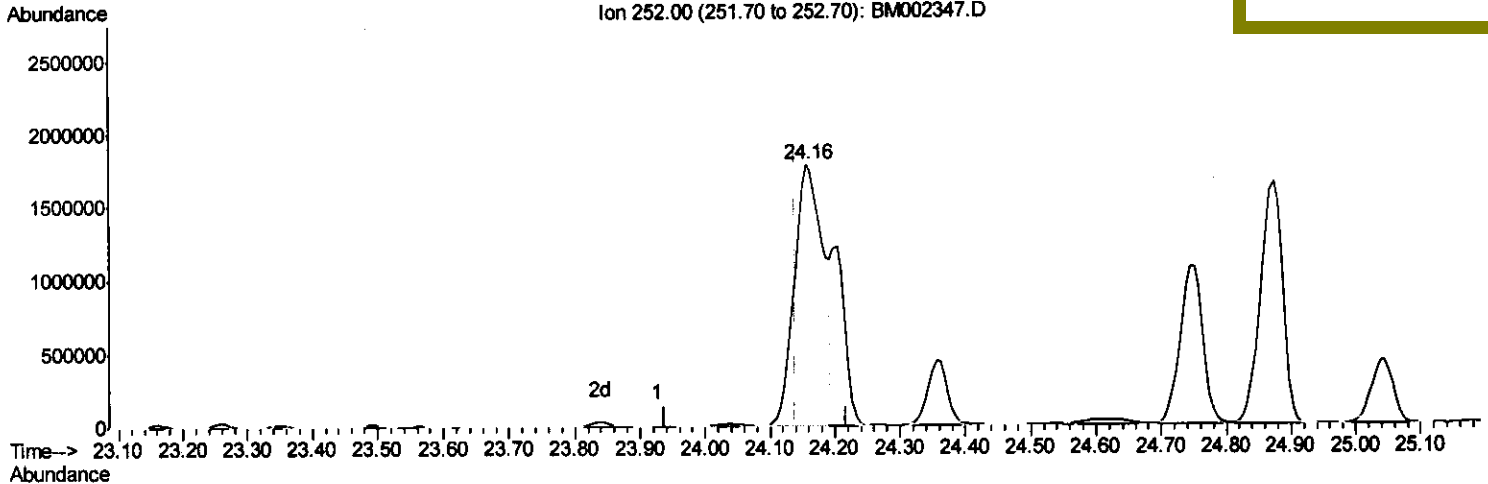
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
 Data File : BM002347.D  
 Acq On : 12 Aug 2015 06:08  
 Operator : UM/IZ  
 Sample : G3162-17  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9C84

Quant Time: Aug 12 06:44:38 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 2:35:55 PM



(23) Benzo(b)fluoranthene

24.156min (+0.018) 138.61ng/ul m

response 5569843

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.40 | 23.30 |
| 125.00 | 12.90 | 14.26 |
| 0.00   | 0.00  | 0.00  |

U.M  
 8/13/15

# Quantitation Report (Qedit)

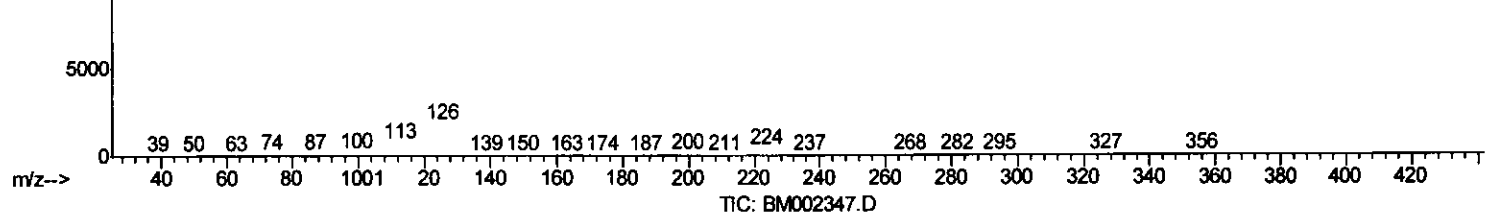
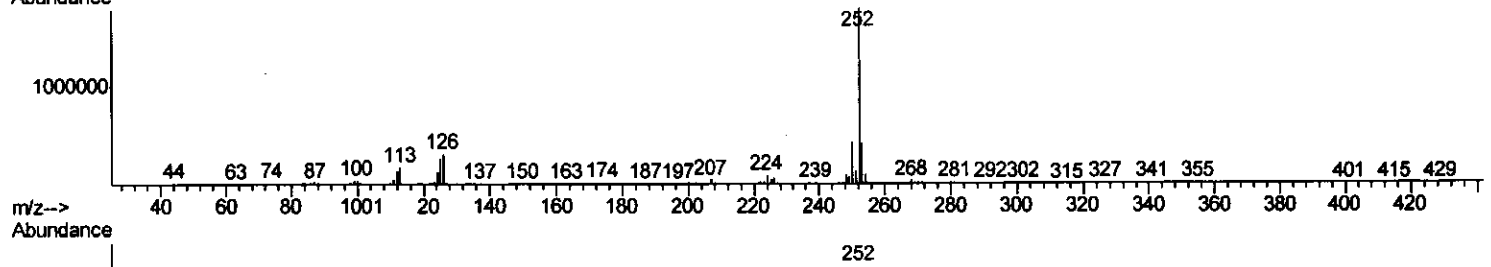
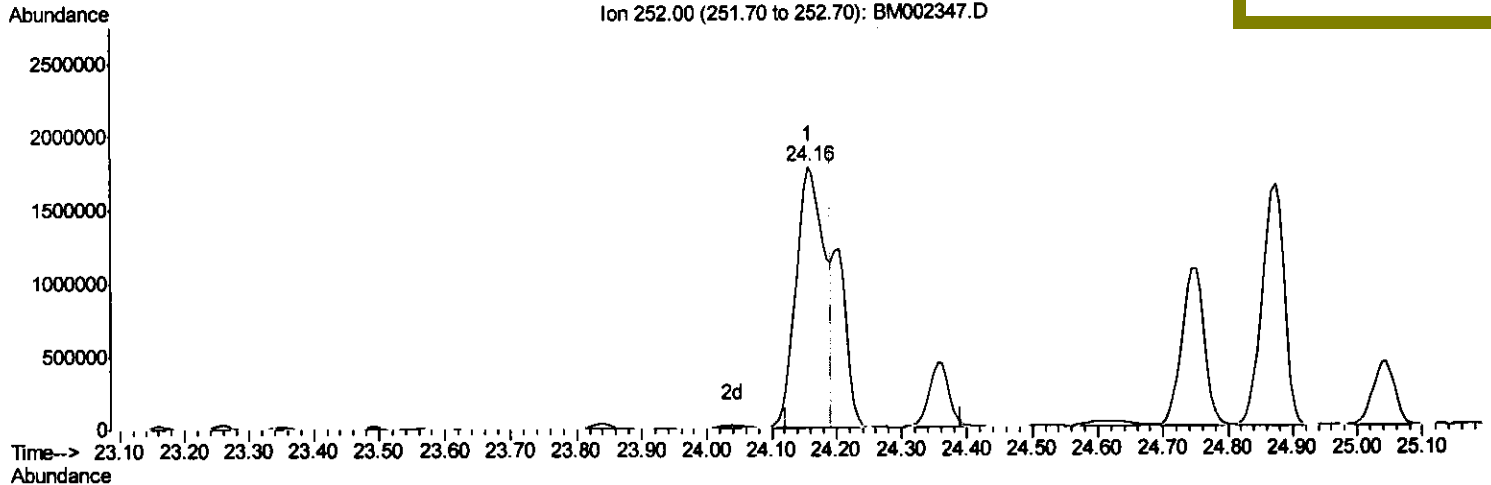
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
 Data File : BM002347.D  
 Acq On : 12 Aug 2015 06:08  
 Operator : UM/IZ  
 Sample : G3162-17  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9C84

Quant Time: Aug 12 06:44:38 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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(24) Benzo(k)fluoranthene

24.156min (-0.035) 143.38ng/ul

response 5533313

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.60 | 23.30 |
| 125.00 | 12.80 | 14.26 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

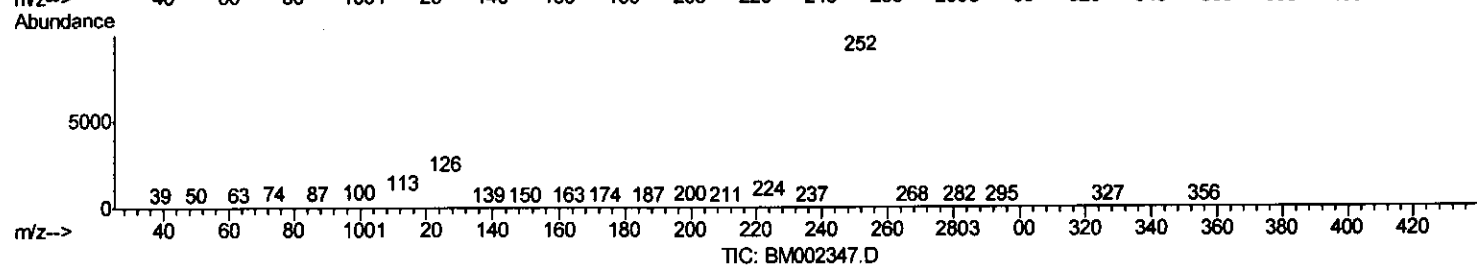
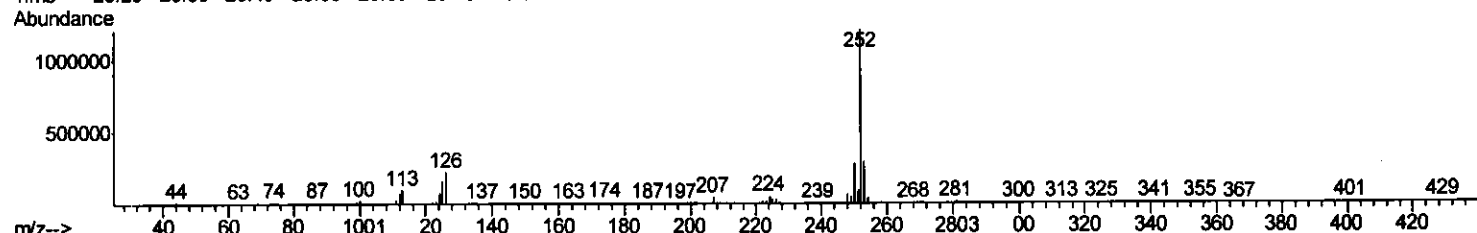
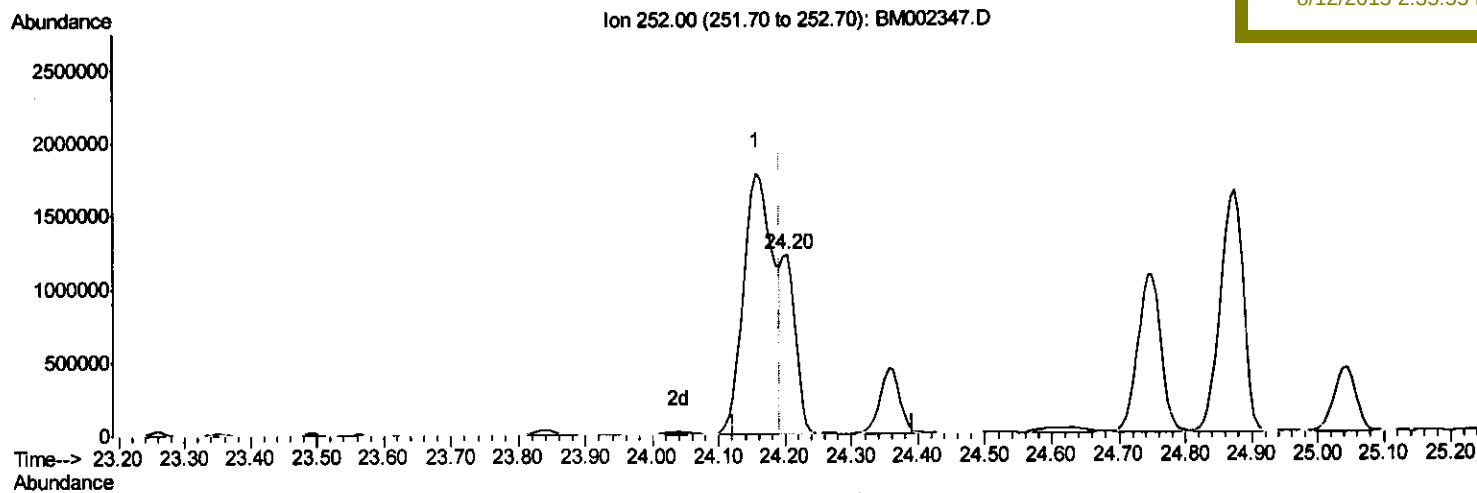
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
Data File : BM002347.D  
Acq On : 12 Aug 2015 06:08  
Operator : UM/IZ  
Sample : G3162-17  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
D9C84

Quant Time: Aug 12 06:44:38 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 2:35:55 PM



(24) Benzo(k)fluoranthene

24.203min (+0.012) 44.70ng/ul m

response 1725026

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.60 | 24.32 |
| 125.00 | 12.80 | 13.39 |
| 0.00   | 0.00  | 0.00  |

U.M  
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# Quantitation Report (Qedit)

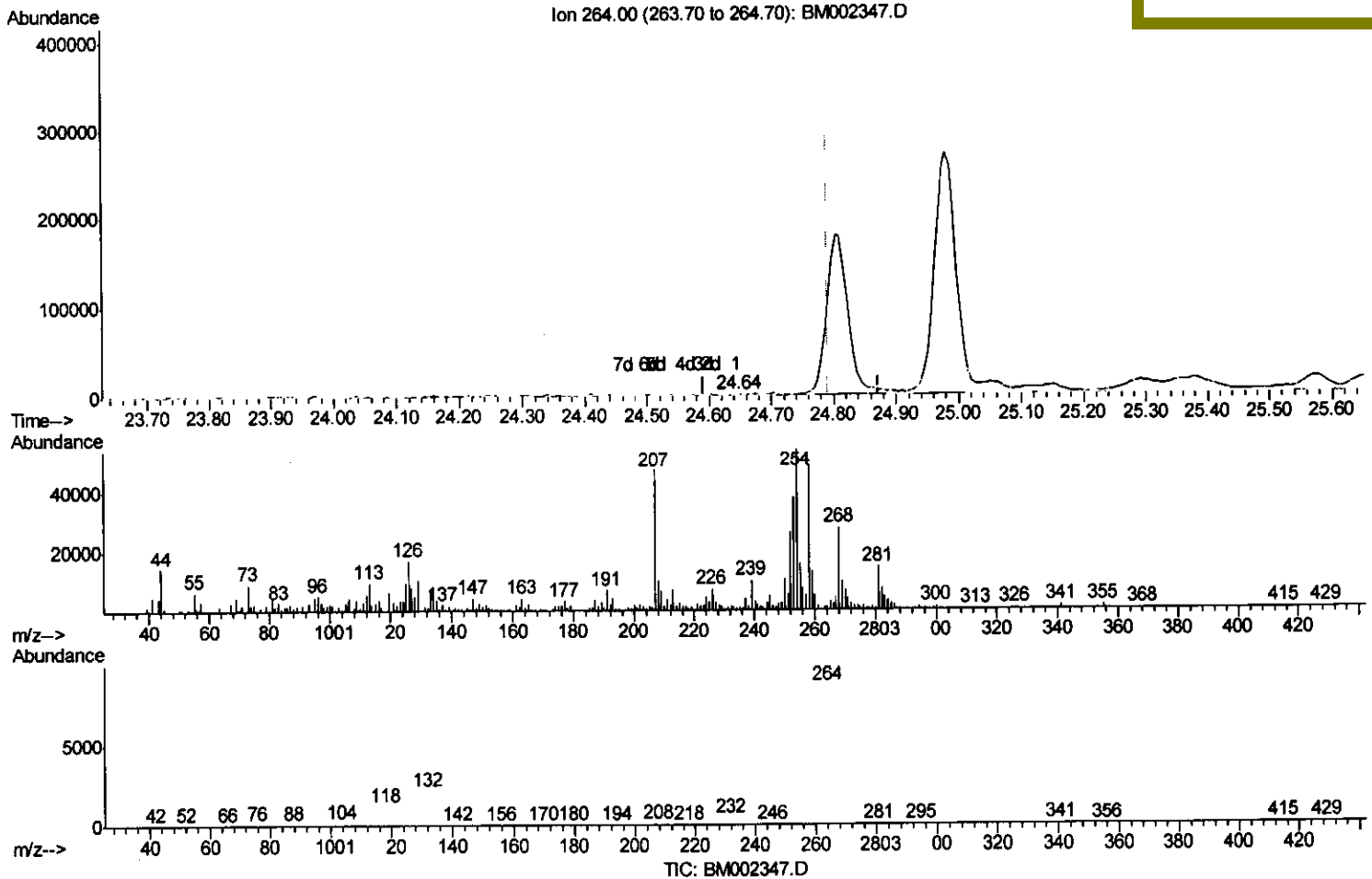
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
 Data File : BM002347.D  
 Acq On : 12 Aug 2015 06:08  
 Operator : UM/IZ  
 Sample : G3162-17  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9C84

Quant Time: Aug 12 06:44:38 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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(25) Benzo(a)pyrene-d12 (S)

24.644min (-0.147) 0.01ng/ul

response 364

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 264.00 | 100   | 100    |
| 132.00 | 21.00 | 90.65# |
| 118.00 | 12.70 | 0.00#  |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

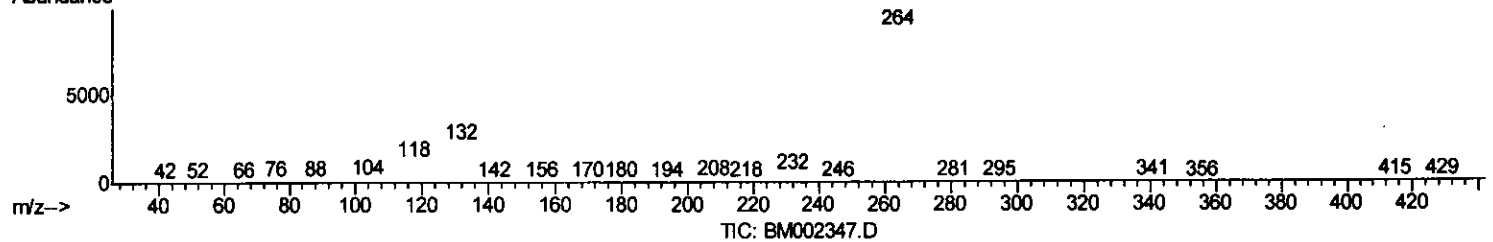
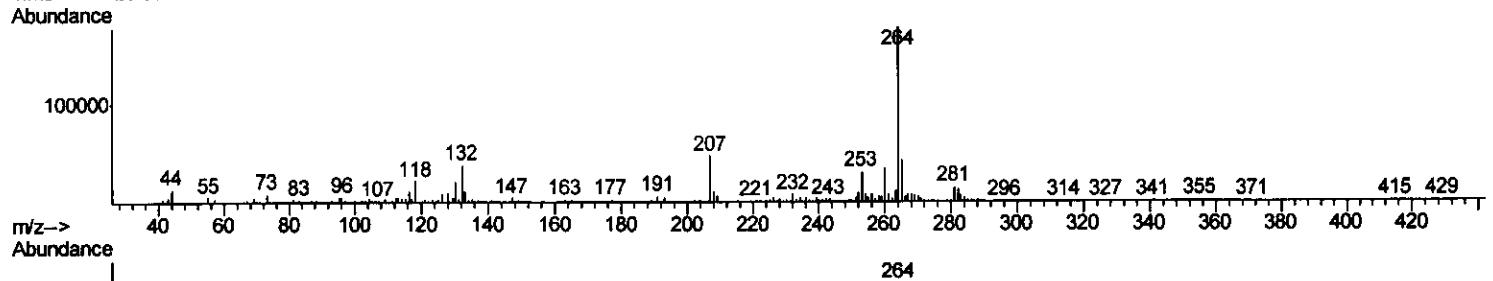
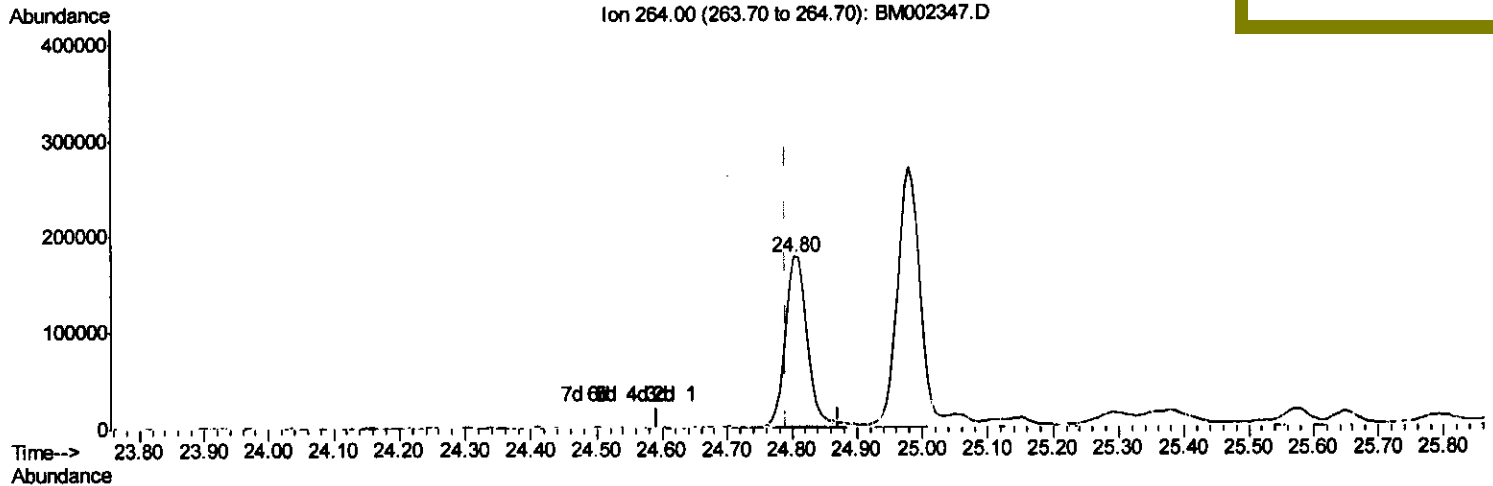
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
 Data File : BM002347.D  
 Acq On : 12 Aug 2015 06:08  
 Operator : UM/IZ  
 Sample : G3162-17  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9C84

Quant Time: Aug 12 06:44:38 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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(25) Benzo(a)pyrene-d12 (S)

24.803min (+0.012) 11.74ng/ul m

response 403136

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 264.00 | 100   | 100   |
| 132.00 | 21.00 | 21.43 |
| 118.00 | 12.70 | 12.28 |
| 0.00   | 0.00  | 0.00  |

U.M  
 8/13/15

# Quantitation Report (Qedit)

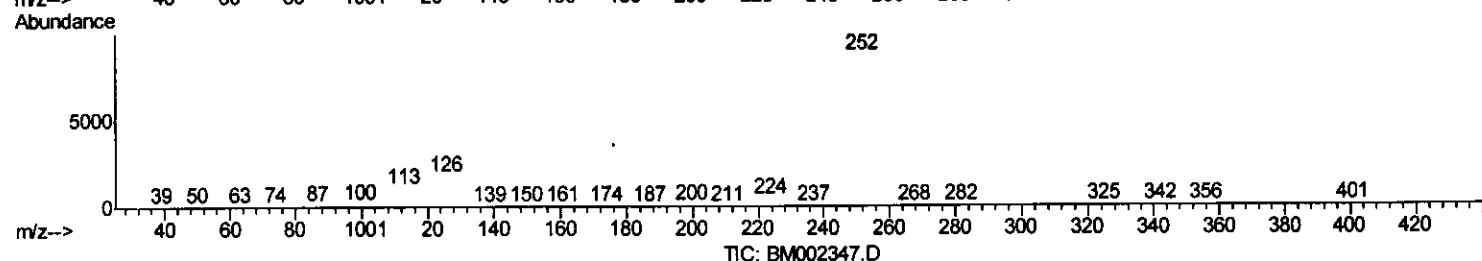
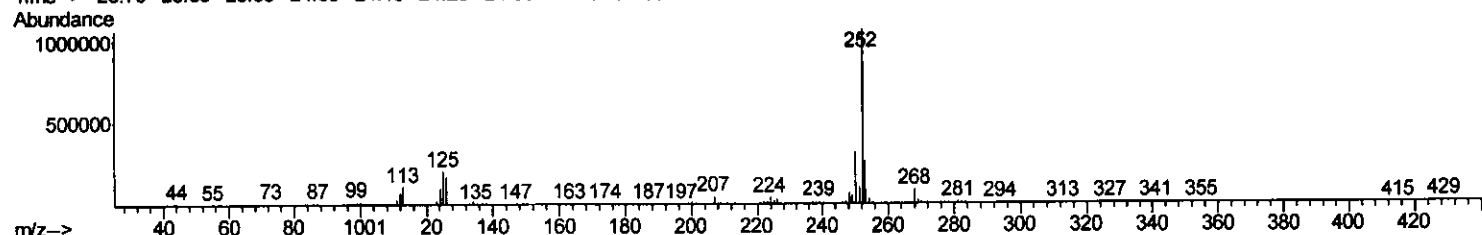
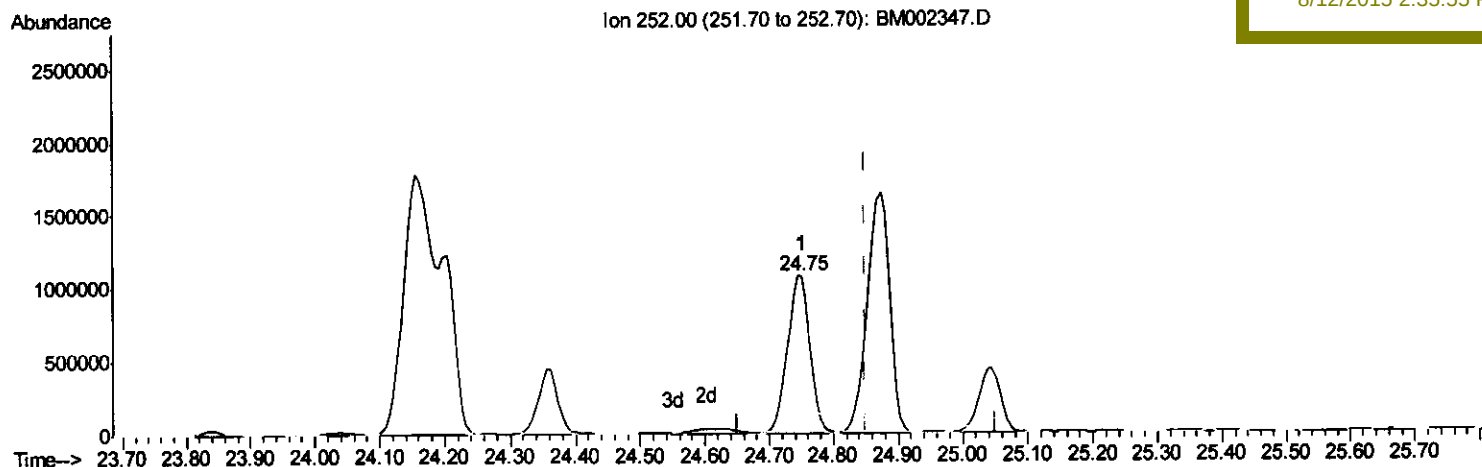
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
 Data File : BM002347.D  
 Acq On : 12 Aug 2015 06:08  
 Operator : UM/IZ  
 Sample : G3162-17  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9C84

Quant Time: Aug 12 06:44:38 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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(26) Benzo(a)pyrene (C)

24.750min (-0.100) 66.89ng/ul

response 2572089

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.60 | 24.50  |
| 125.00 | 13.80 | 19.02# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

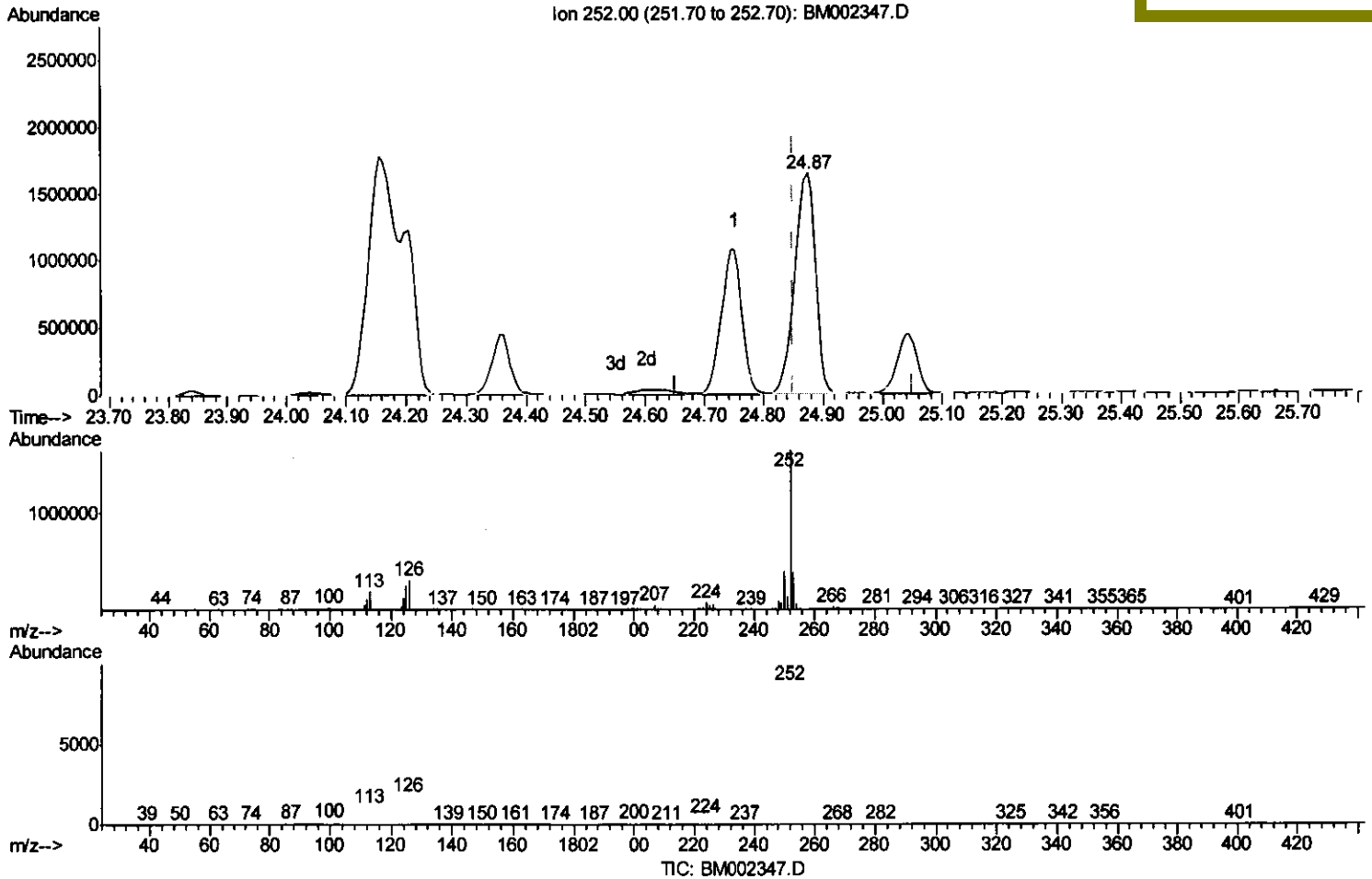
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
 Data File : BM002347.D  
 Acq On : 12 Aug 2015 06:08  
 Operator : UM/IZ  
 Sample : G3162-17  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9C84

Quant Time: Aug 12 06:44:38 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 2:35:55 PM



(26) Benzo(a)pyrene (C)

24.874min (+0.024) 103.06ng/ul m

response 3963052

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.60 | 23.39 |
| 125.00 | 13.80 | 14.97 |
| 0.00   | 0.00  | 0.00  |

> U.M  
 8/13/15

## Quantitation Report (Qedit)

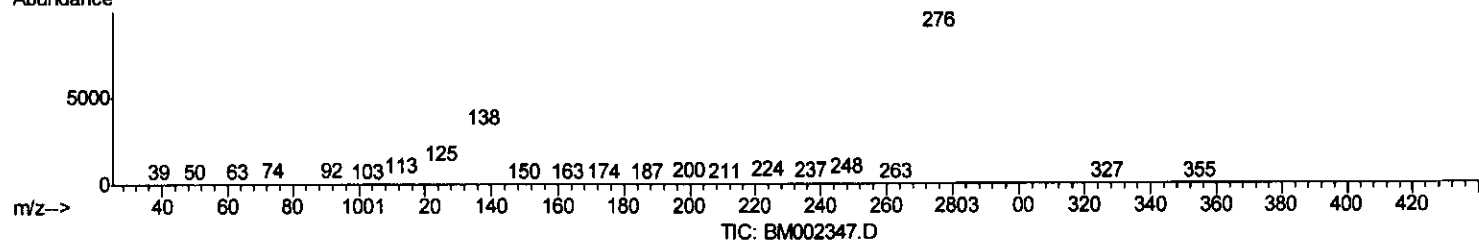
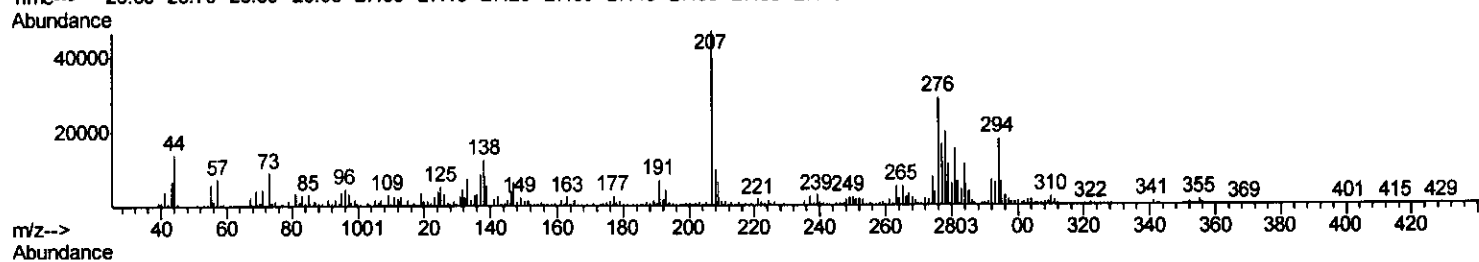
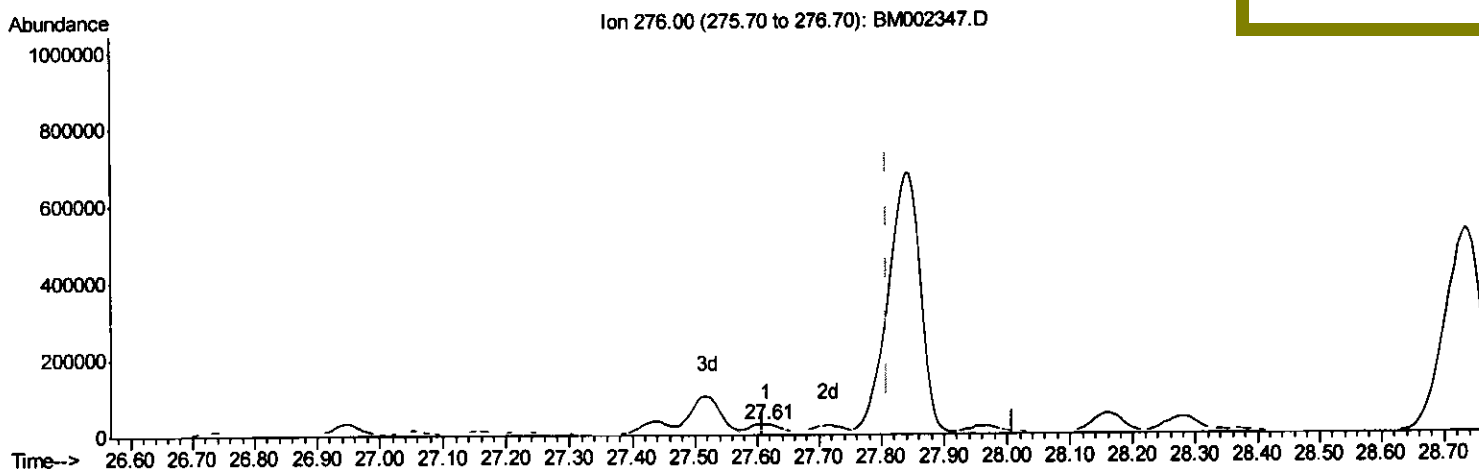
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
Data File : BM002347.D  
Acq On : 12 Aug 2015 06:08  
Operator : UM/IZ  
Sample : G3162-17  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampled :  
D9C84

Quant Time: Aug 12 06:44:38 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 2:35:55 PM



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

27.615min (-0.194) 1.36ng/ul

response 59972

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 32.00 | 43.72# |
| 277.00 | 26.20 | 57.99# |
| 0.00   | 0.00  | 0.00   |

## Quantitation Report (Qedit)

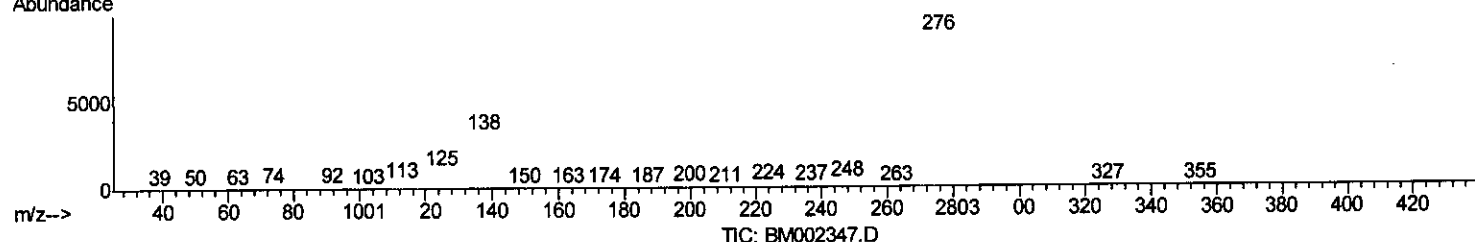
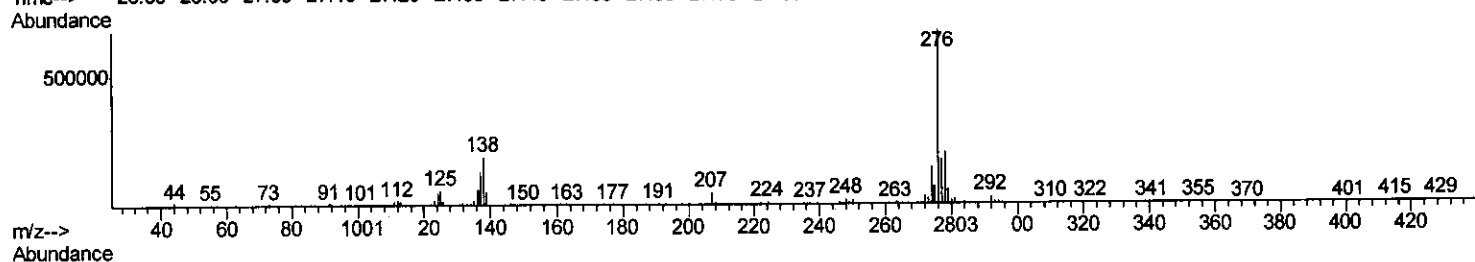
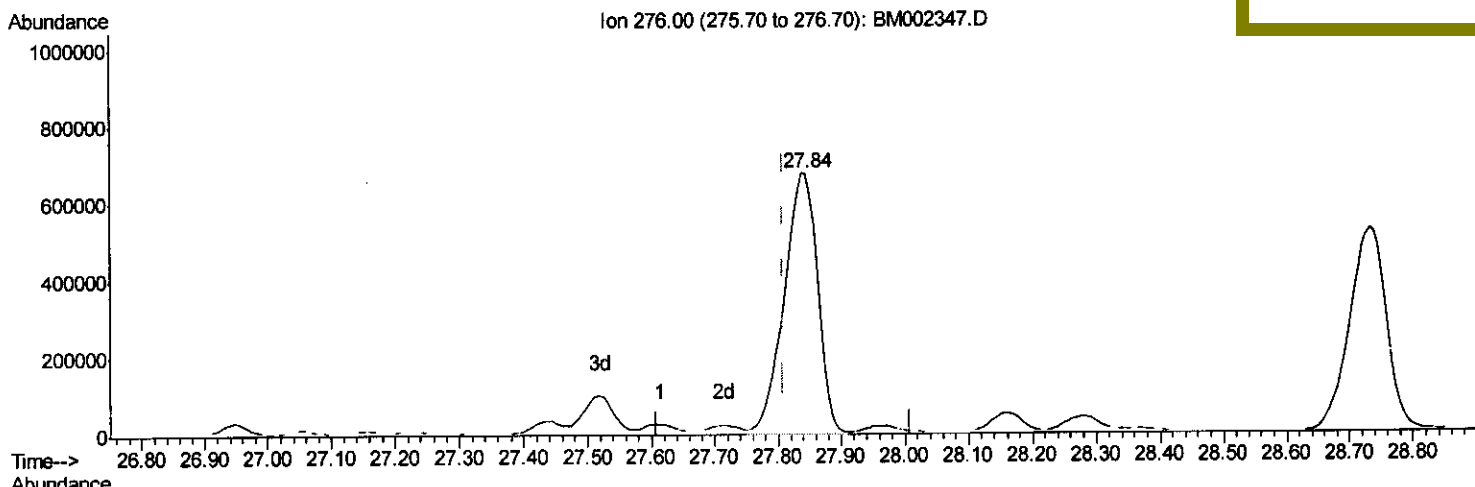
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
Data File : BM002347.D  
Acq On : 12 Aug 2015 06:08  
Operator : UM/IZ  
Sample : G3162-17  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
D9C84

Quant Time: Aug 12 06:44:38 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 2:35:55 PM



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

27.844min (+0.035) 56.79ng/ul m

response 2503049

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 32.00 | 27.72 |
| 277.00 | 26.20 | 25.10 |
| 0.00   | 0.00  | 0.00  |

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8/13/15

# Quantitation Report (Qedit)

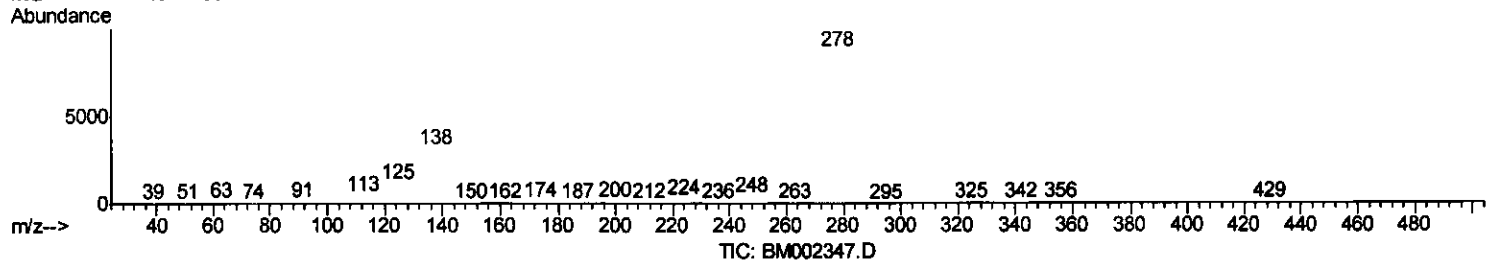
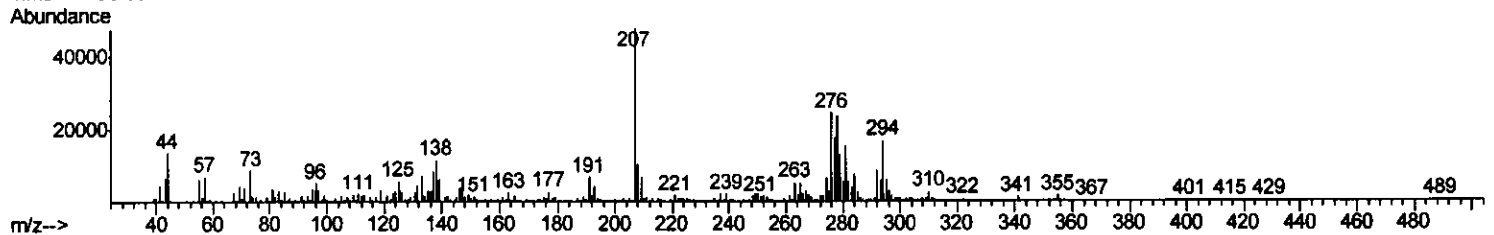
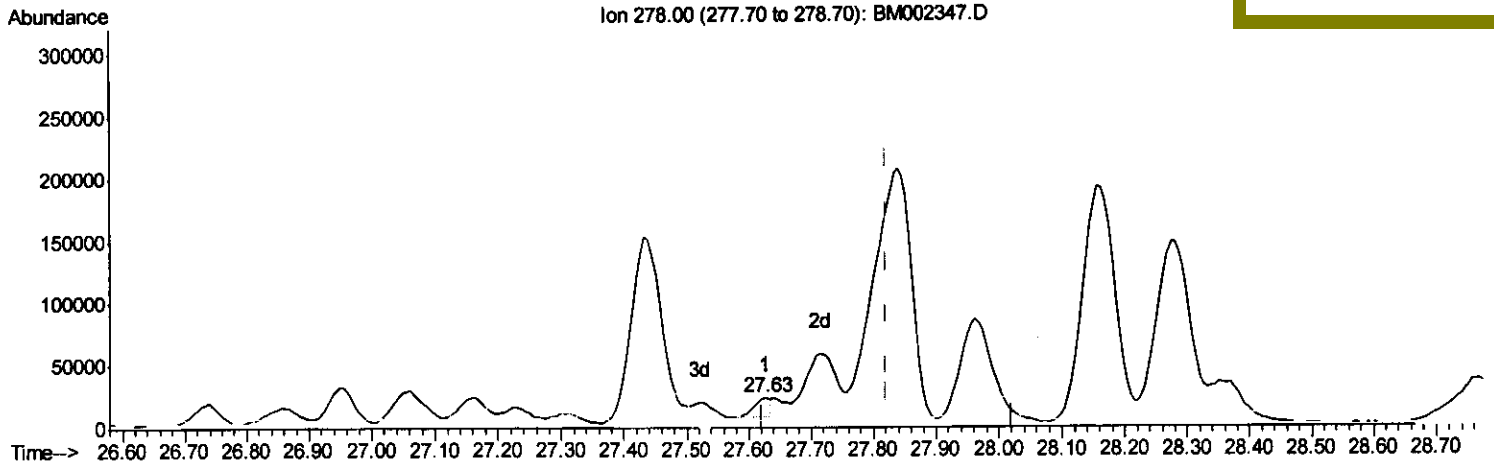
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
 Data File : BM002347.D  
 Acq On : 12 Aug 2015 06:08  
 Operator : UM/IZ  
 Sample : G3162-17  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9C84

Quant Time: Aug 12 06:44:38 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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 8/12/2015 2:35:55 PM



(28) Dibenzo(a,h)anthracene

27.627min (-0.194) 0.73ng/ul

response 27152

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 278.00 | 100   | 100    |
| 139.00 | 20.50 | 27.21# |
| 279.00 | 23.50 | 55.67# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

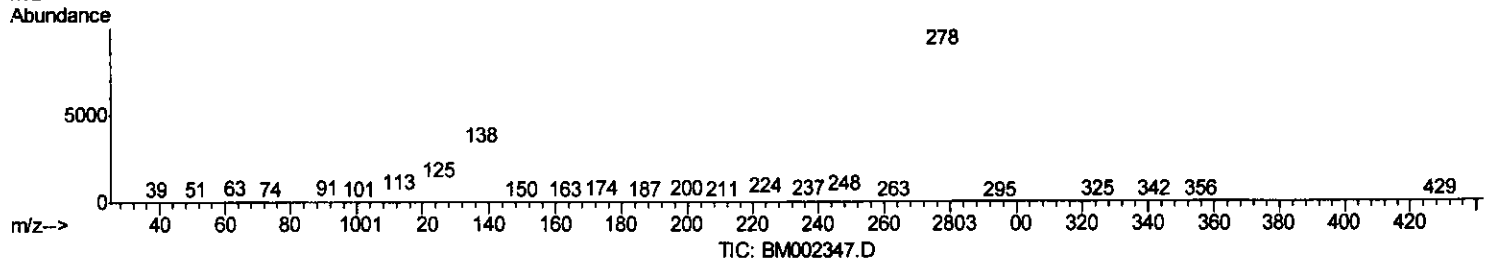
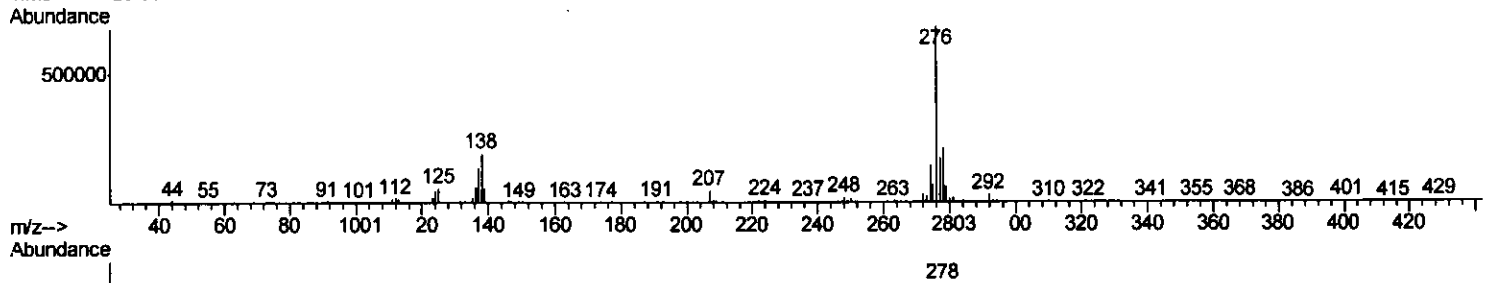
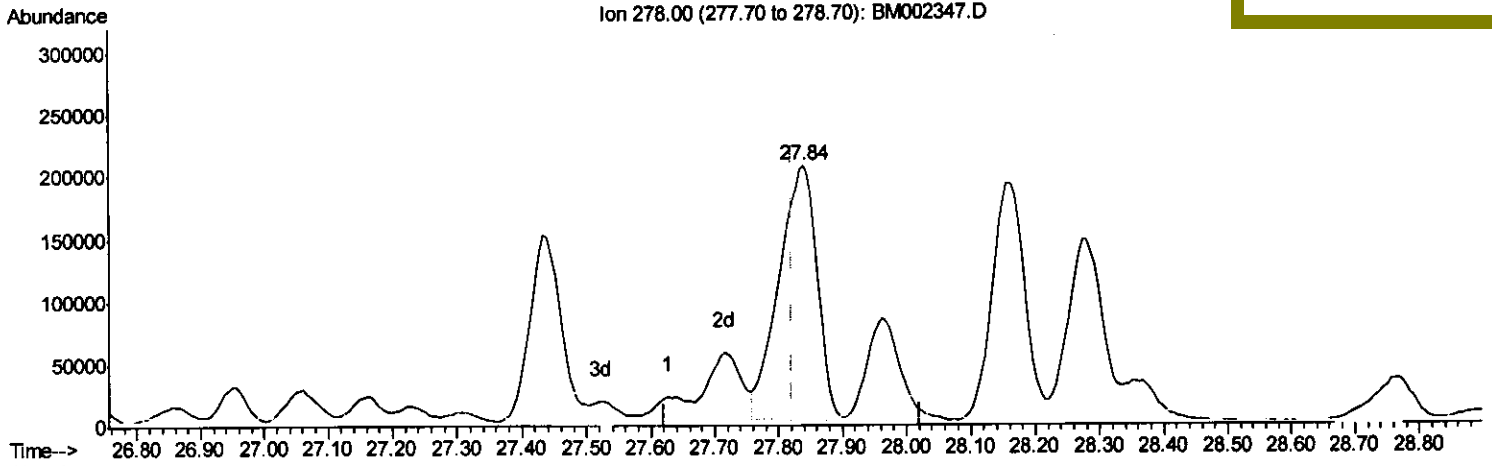
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
 Data File : BM002347.D  
 Acq On : 12 Aug 2015 06:08  
 Operator : UM/IZ  
 Sample : G3162-17  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9C84

Quant Time: Aug 12 06:44:38 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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(28) Dibenzo(a,h)anthracene

27.838min (+0.018) 22.74ng/ul m

response 849313

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 278.00 | 100   | 100    |
| 139.00 | 20.50 | 26.31# |
| 279.00 | 23.50 | 28.65# |
| 0.00   | 0.00  | 0.00   |

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# Quantitation Report (Qedit)

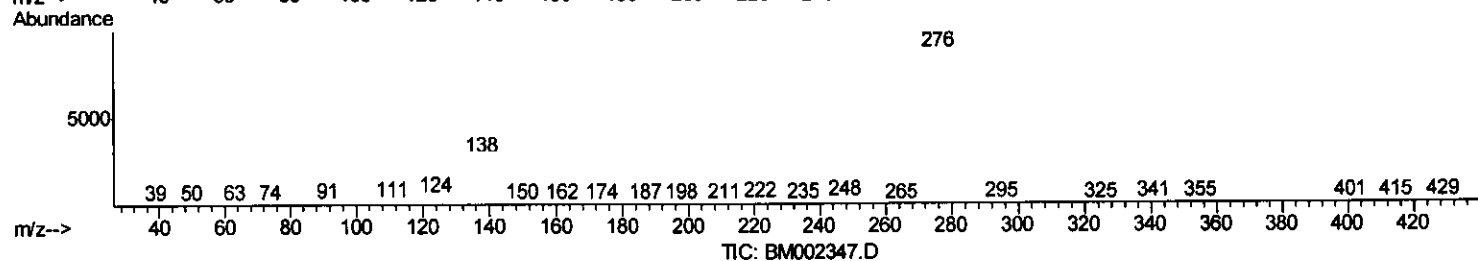
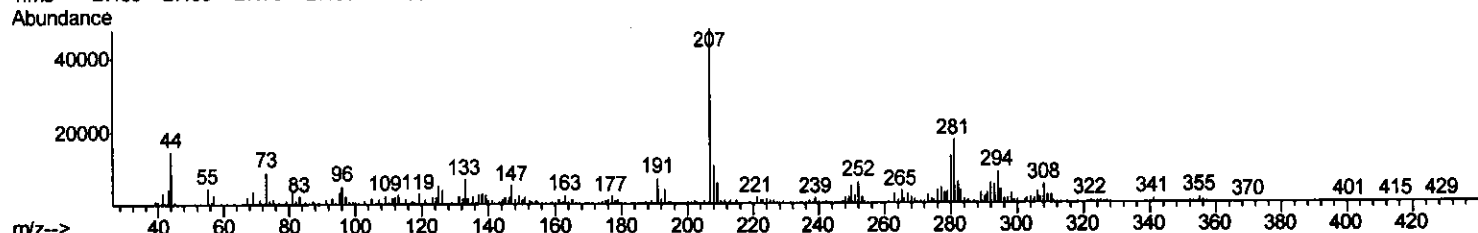
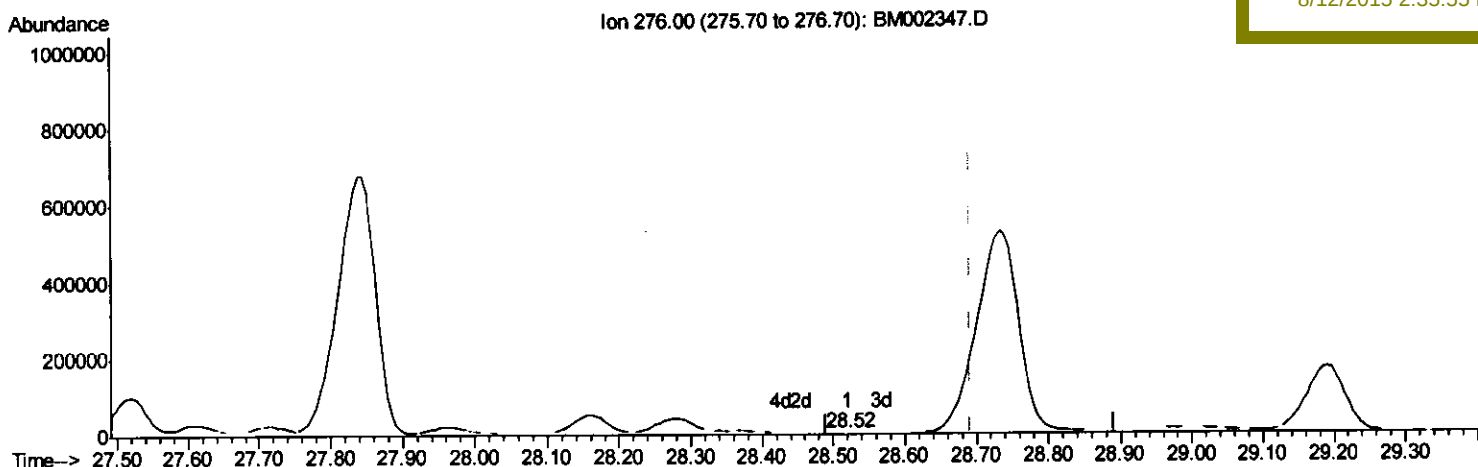
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
 Data File : BM002347.D  
 Acq On : 12 Aug 2015 06:08  
 Operator : UM/IZ  
 Sample : G3162-17  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9C84

Quant Time: Aug 12 06:44:38 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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(29) Benzo(g,h,i)perylene

28.521min (-0.171) 0.02ng/ul

response 647

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 276.00 | 100   | 100     |
| 138.00 | 25.60 | 87.48#  |
| 277.00 | 23.80 | 116.03# |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

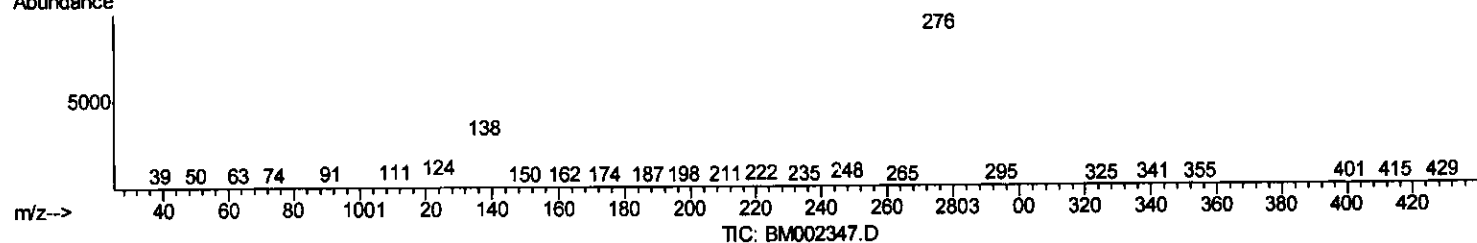
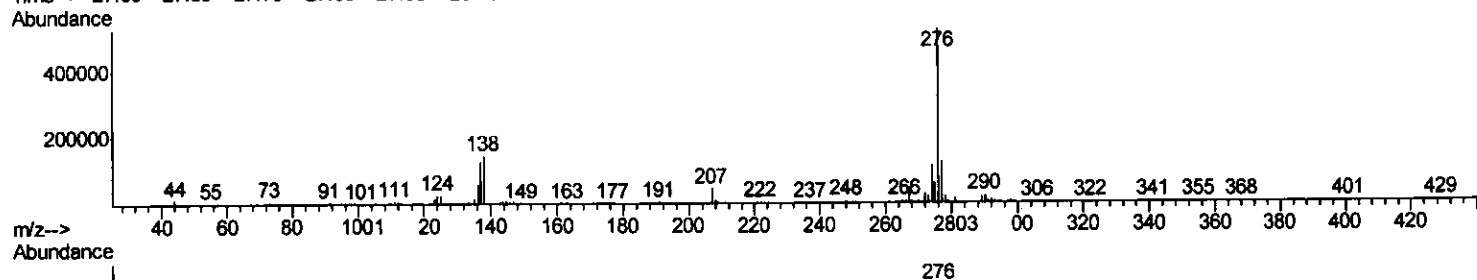
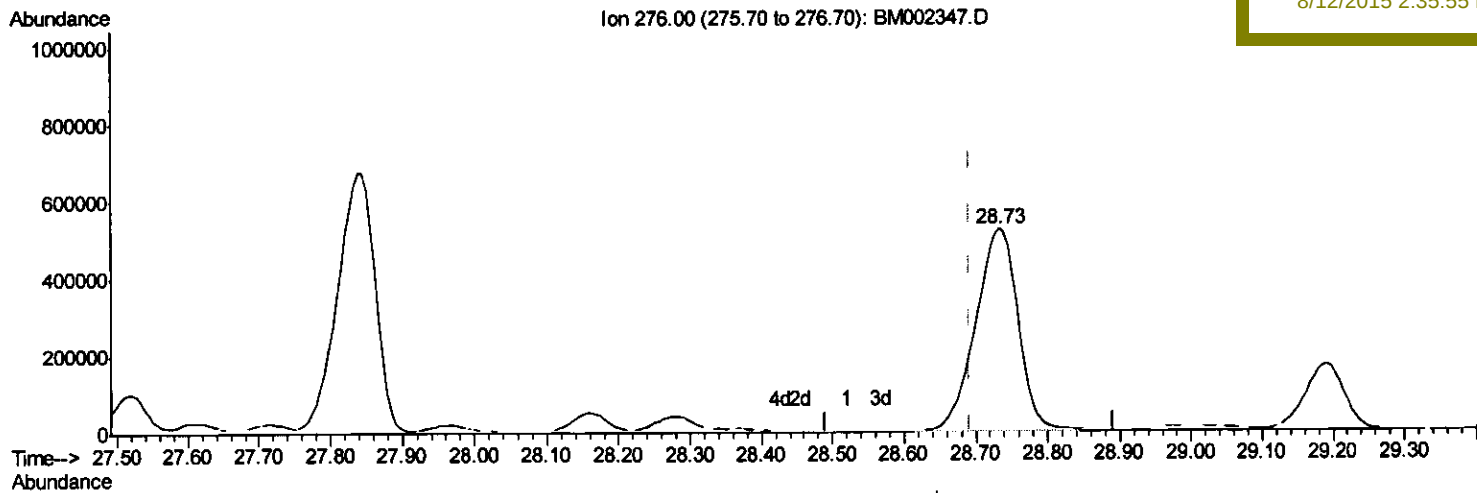
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
 Data File : BM002347.D  
 Acq On : 12 Aug 2015 06:08  
 Operator : UM/IZ  
 Sample : G3162-17  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA M  
 ClientSampleId :  
 D9C84

Quant Time: Aug 12 06:44:38 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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 8/12/2015 2:35:55 PM



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

28.732min (+0.041) 58.22ng/ul m

response 2164824

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 25.60 | 27.76 |
| 277.00 | 23.80 | 24.17 |
| 0.00   | 0.00  | 0.00  |

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Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
 Data File : BM002347.D  
 Acq On : 12 Aug 2015 06:08  
 Operator : UM/IZ  
 Sample : G3162-17  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9C84

Quant Time: Aug 12 06:48:20 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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| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.90  | 152  | 179605   | 20.00  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 11.77 | 136  | 865598   | 20.00  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 15.48 | 164  | 476143   | 20.00  | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 18.19 | 188  | 939170   | 20.00  | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 22.29 | 240  | 662163   | 20.00  | ng/ul  | 0.00     |
| 22) Perylene-d12            | 24.98 | 264  | 646537m  | 20.00  | ng/ul  | 0.01     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 7) Acenaphthylene-d8        | 15.19 | 160  | 729329   | 14.79  | ng/ul  | 0.00     |
| 10) Fluorene-d10            | 16.45 | 176  | 480108   | 14.00  | ng/ul  | 0.00     |
| 14) Anthracene-d10          | 18.29 | 188  | 656891   | 14.41  | ng/ul  | 0.00     |
| 18) Pyrene-d10              | 20.51 | 212  | 548834   | 17.09  | ng/ul  | 0.00     |
| 25) Benzo(a)pyrene-d12      | 24.80 | 264  | 403136m  | 11.74  | ng/ul  | 0.01     |
| Target Compounds            |       |      |          |        |        |          |
| 3) Naphthalene              | 11.82 | 128  | 367689   | 8.07   | ng/ul  | 100      |
| 4) 2-Methylnaphthalene      | 13.36 | 142  | 118870   | 3.65   | ng/ul  | 99       |
| 5) 1-Methylnaphthalene      | 13.57 | 142  | 69782    | 2.17   | ng/ul  | 99       |
| 9) Acenaphthene             | 15.54 | 153  | 440214   | 12.78  | ng/ul  | 98       |
| 11) Fluorene                | 16.50 | 166  | 503794   | 12.99  | ng/ul  | 99       |
| 13) Phenanthrene            | 18.24 | 178  | 5556063  | 102.78 | ng/ul  | 97       |
| 15) Anthracene              | 18.32 | 178  | 1803031  | 32.29  | ng/ul  | 99       |
| 16) Fluoranthene            | 20.19 | 202  | 7399318  | 123.63 | ng/ul# | 93       |
| 19) Pyrene                  | 20.54 | 202  | 6228229  | 145.49 | ng/ul  | 98       |
| 20) Benzo(a)anthracene      | 22.27 | 228  | 4554516  | 112.68 | ng/ul  | 96       |
| 21) Chrysene                | 22.33 | 228  | 4191643m | 109.42 | ng/ul  |          |
| 23) Benzo(b)fluoranthene    | 24.16 | 252  | 5569843m | 138.61 | ng/ul  |          |
| 24) Benzo(k)fluoranthene    | 24.20 | 252  | 1725026m | 44.70  | ng/ul  |          |
| 26) Benzo(a)pyrene          | 24.87 | 252  | 3963052m | 103.06 | ng/ul  |          |
| 27) Indeno(1,2,3-cd)pyrene  | 27.84 | 276  | 2503049m | 56.79  | ng/ul  |          |
| 28) Dibenzo(a,h)anthracene  | 27.84 | 278  | 849313m  | 22.74  | ng/ul  |          |
| 29) Benzo(g,h,i)perylene    | 28.73 | 276  | 2164824m | 58.22  | ng/ul  |          |

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