

# Quantitation Report (QT Reviewed)

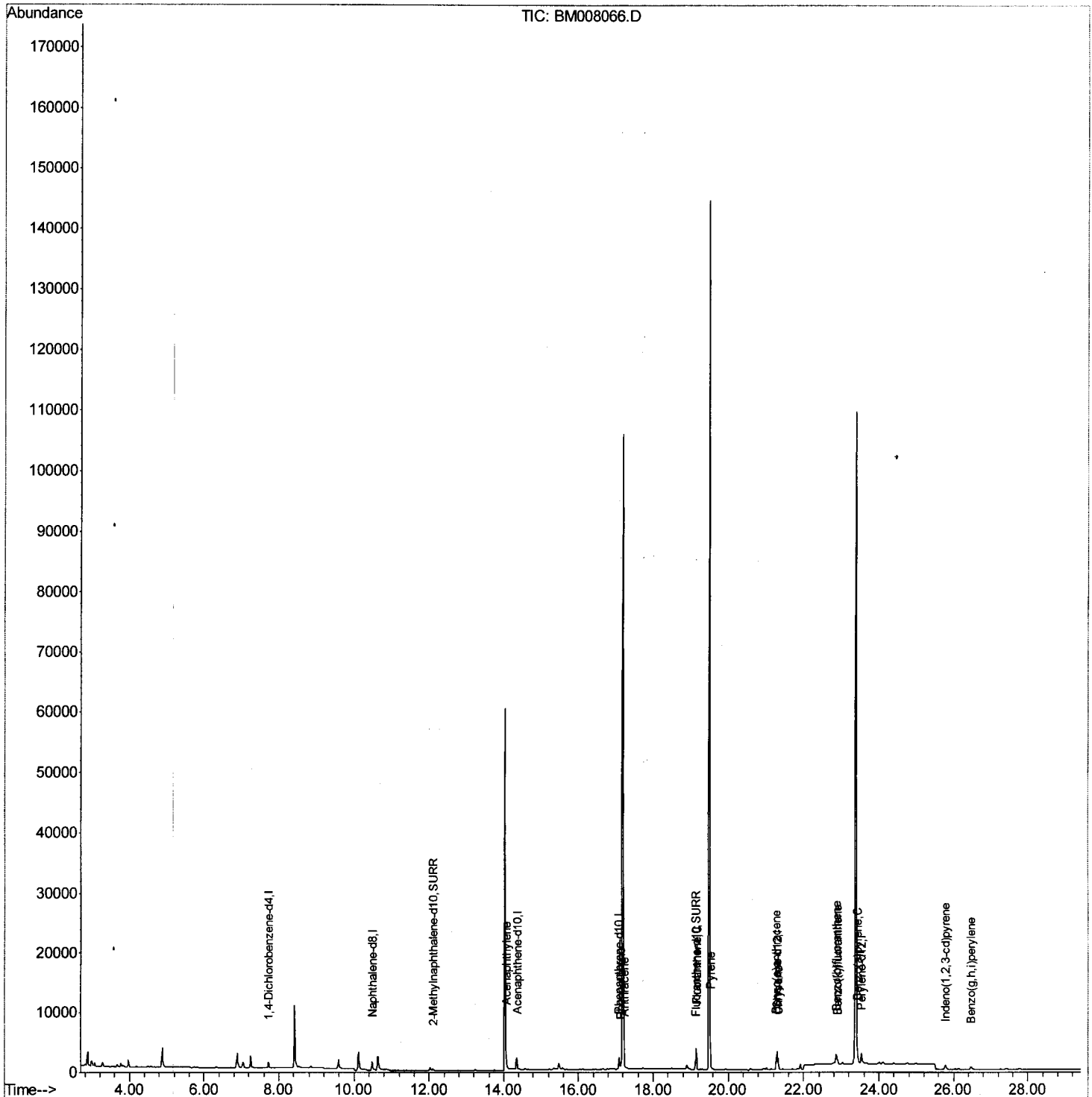
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM112316\  
 Data File : BM008066.D  
 Acq On : 24 Nov 2016 10:19  
 Operator : UM/SJ  
 Sample : H5701-26  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4WG6

Manual Integrations  
 APPROVED

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 11/28/2016 5:30:04 PM

Quant Time: Nov 28 10:55:05 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM112116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 25 01:27:01 2016  
 Response via : Initial Calibration



# Quantitation Report (Qedit)

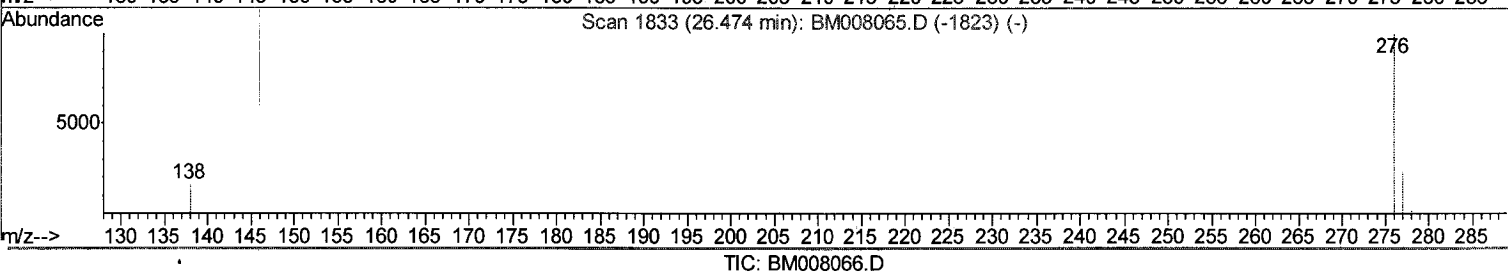
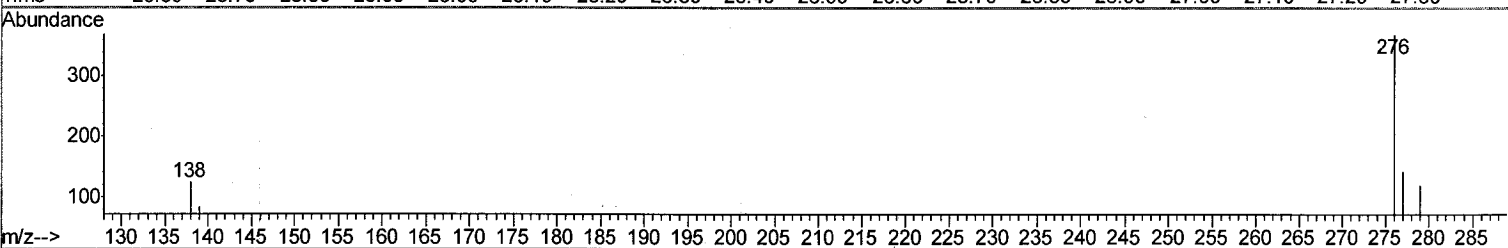
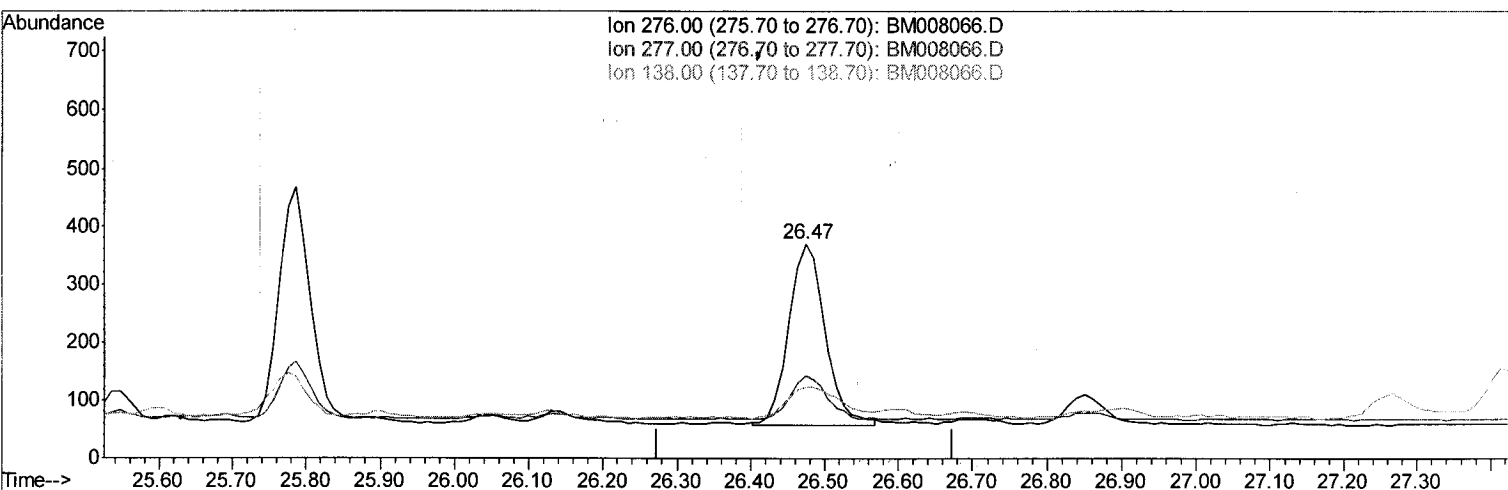
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM112316\  
 Data File : BM008066.D  
 Acq On : 24 Nov 2016 10:19  
 Operator : UM/SJ  
 Sample : H5701-26  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 A4WG6

Manual Integrations  
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Quant Time: Nov 28 10:52:46 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM112116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 25 01:27:01 2016  
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(26) Benzo(g,h,i)perylene

26.474min (+0.000) 0.12ng/ul m

response 1076

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 277.00 | 27.30 | 38.65# |
| 138.00 | 25.60 | 33.51# |
| 0.00   | 0.00  | 0.00   |

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# Quantitation Report (Qedit)

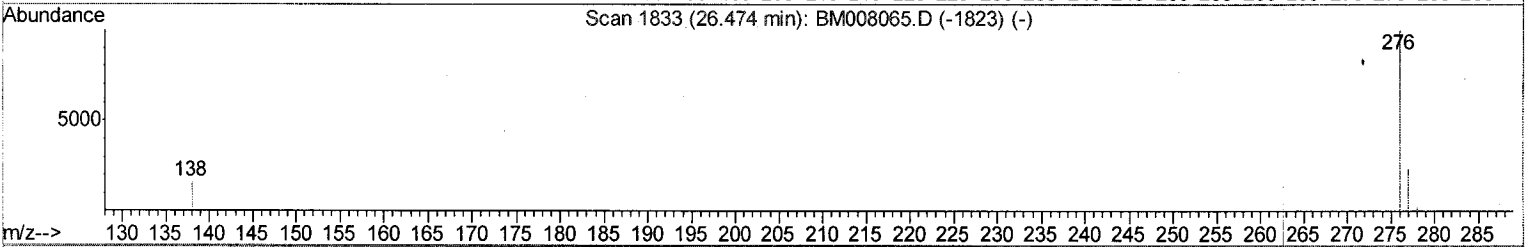
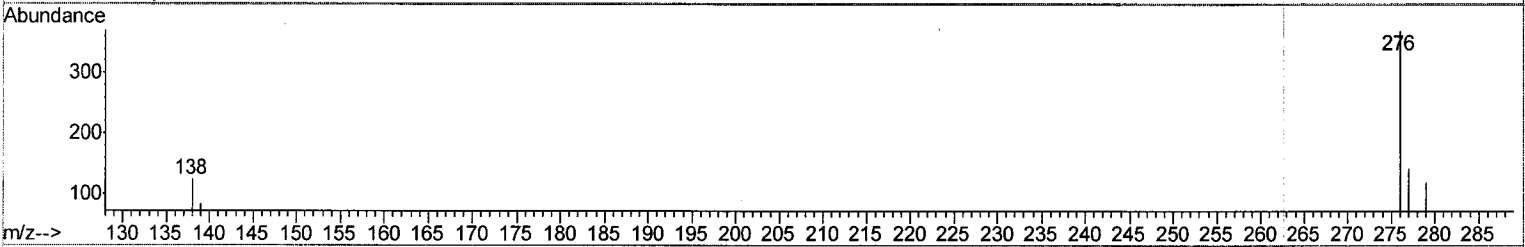
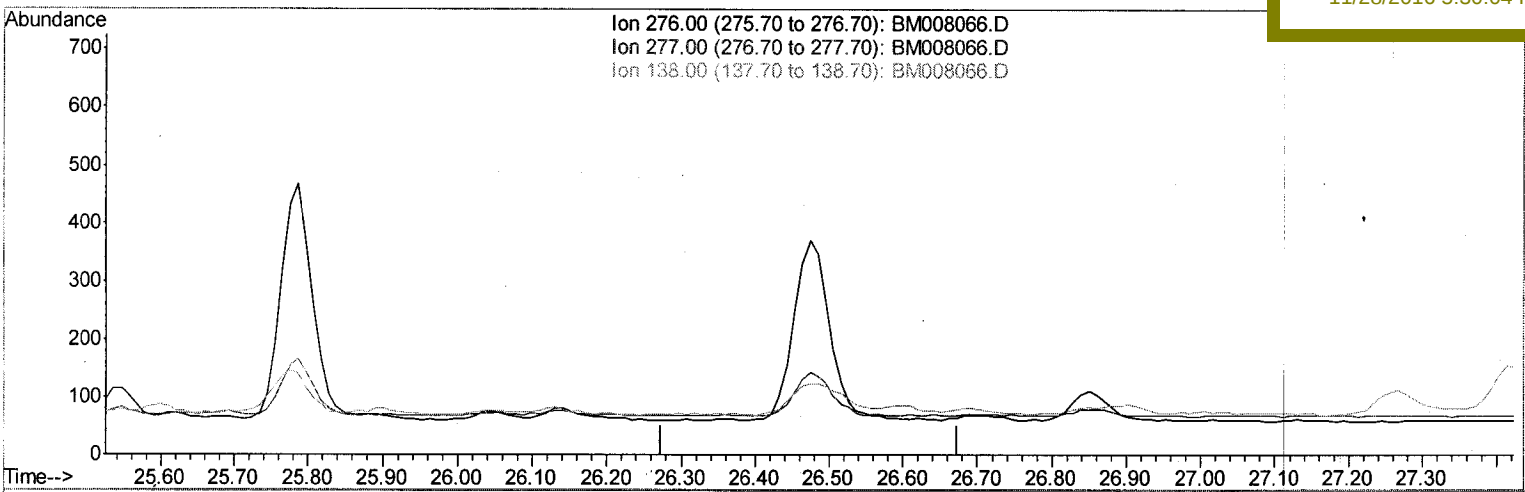
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM112316\  
 Data File : BM008066.D  
 Acq On : 24 Nov 2016 10:19  
 Operator : UM/SJ  
 Sample : H5701-26  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 28 10:52:46 2016  
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Manual Integrations  
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(26) Benzo(g,h,i)perylene  
 26.474min (-26.474) 0.00ng/ul  
 response 0

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 0.00  |
| 277.00 | 27.30 | 0.00# |
| 138.00 | 25.60 | 0.00# |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

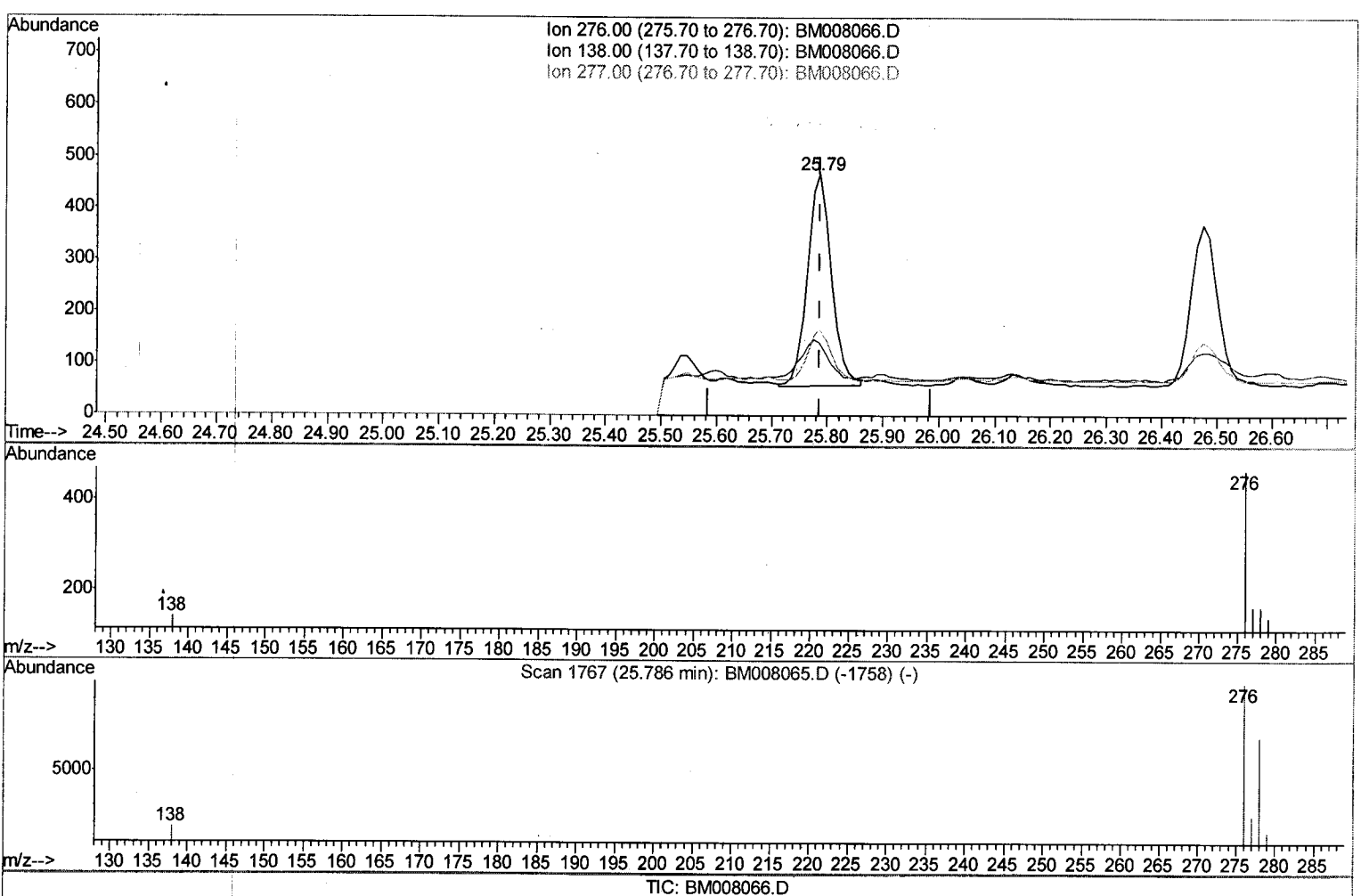
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM112316\  
 Data File : BM008066.D  
 Acq On : 24 Nov 2016 10:19  
 Operator : UM/SJ  
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 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
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(24) Indeno(1,2,3-cd)pyrene

25.786min (+0.000) 0.12ng/ul m

response 1217

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 23.90 | 0.00#  |
| 277.00 | 24.50 | 86.28# |
| 0.00   | 0.00  | 0.00   |

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# Quantitation Report (Qedit)

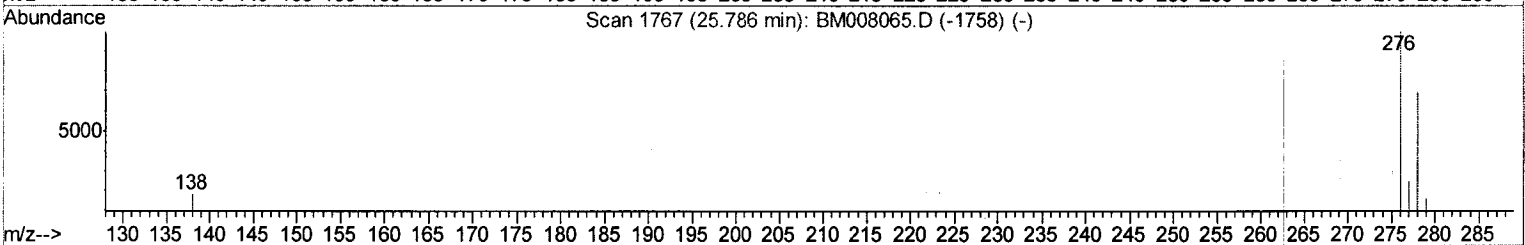
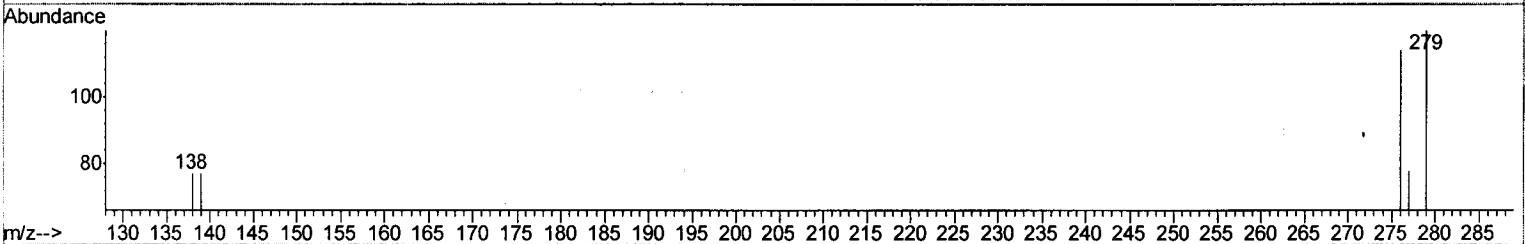
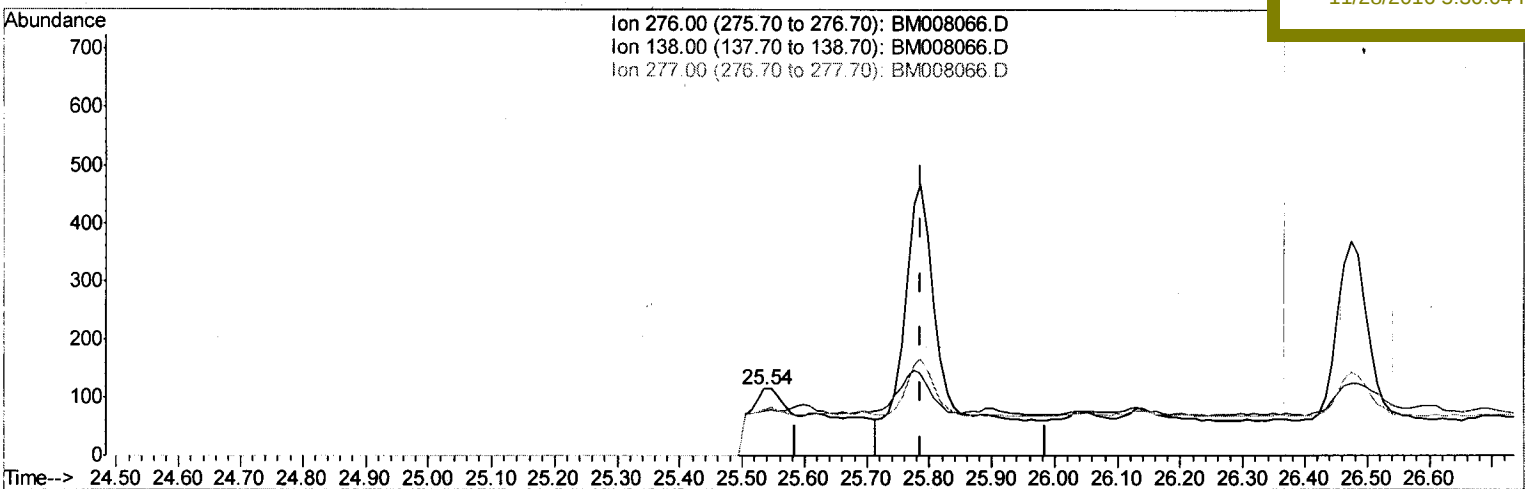
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM112316\  
 Data File : BM008066.D  
 Acq On : 24 Nov 2016 10:19  
 Operator : UM/SJ  
 Sample : H5701-26  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
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TIC: BM008066.D

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

25.536min (-0.250) 0.10ng/ul

response 999

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 276.00 | 100   | 100     |
| 138.00 | 23.90 | 0.00#   |
| 277.00 | 24.50 | 105.11# |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

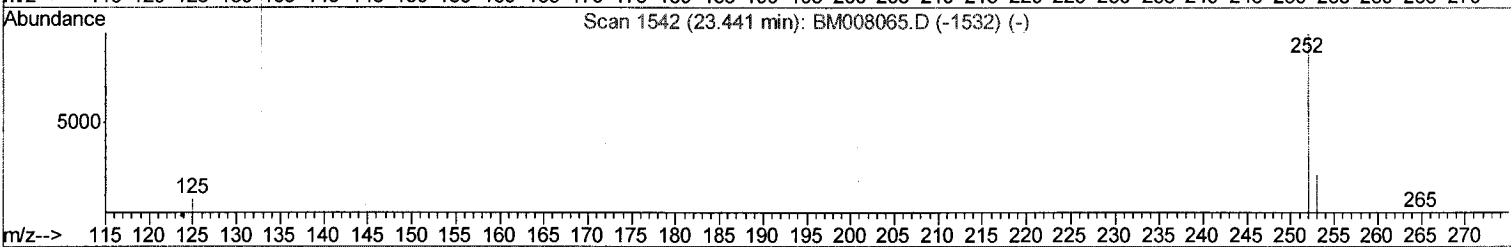
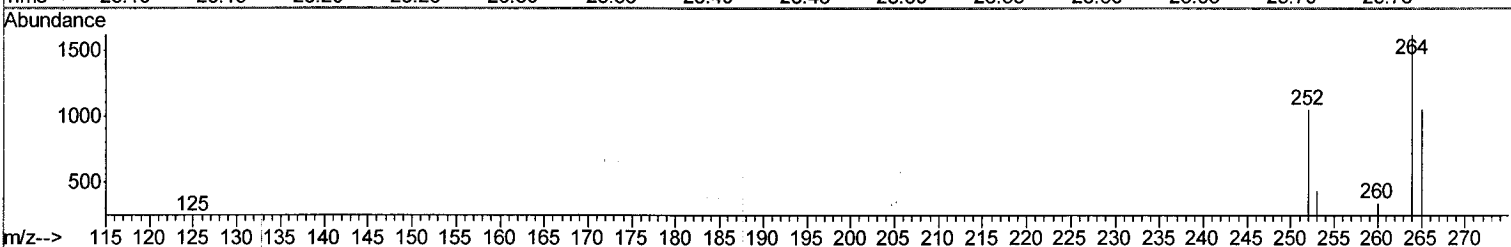
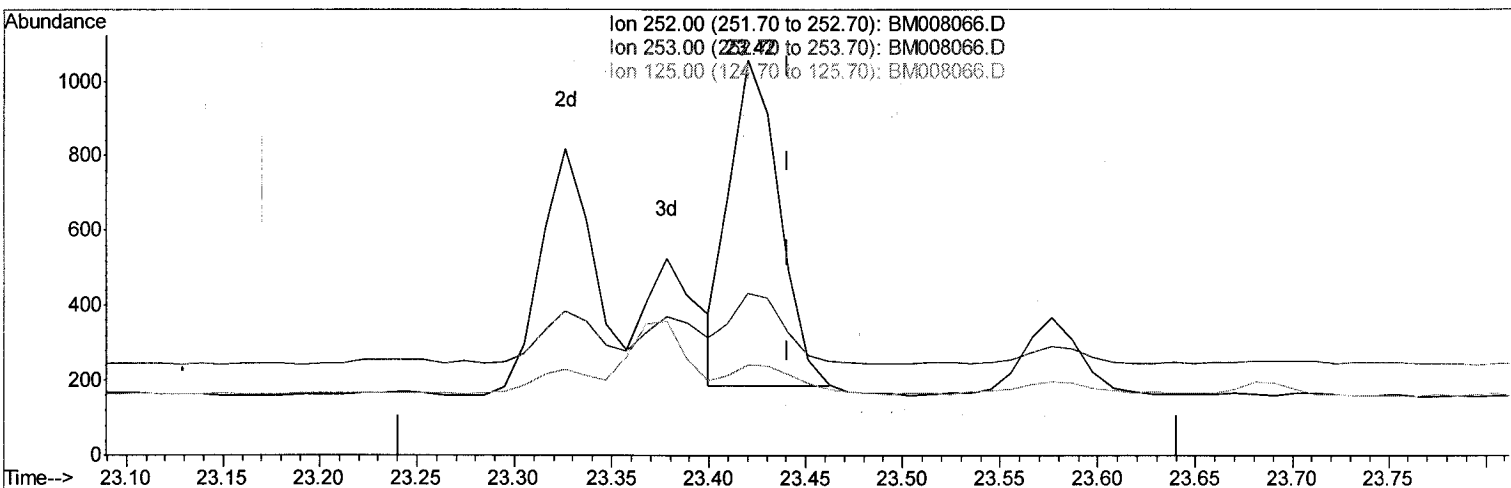
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM112316\  
 Data File : BM008066.D  
 Acq On : 24 Nov 2016 10:19  
 Operator : UM/SJ  
 Sample : H5701-26  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4WG6

Manual Integrations  
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TIC: BM008066.D

(23) Benzo(a)pyrene (C)

23.420min (-0.021) 0.18ng/ul m

response 1546

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 35.60 | 41.04 |
| 125.00 | 22.60 | 22.94 |
| 0.00   | 0.00  | 0.00  |

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# Quantitation Report (Qedit)

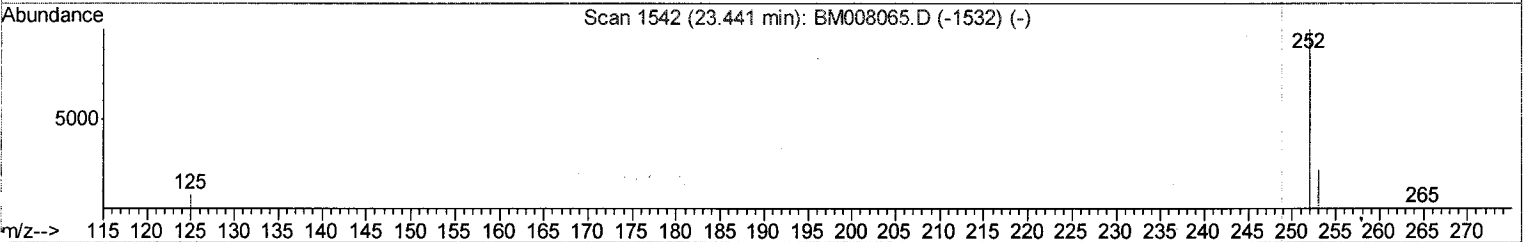
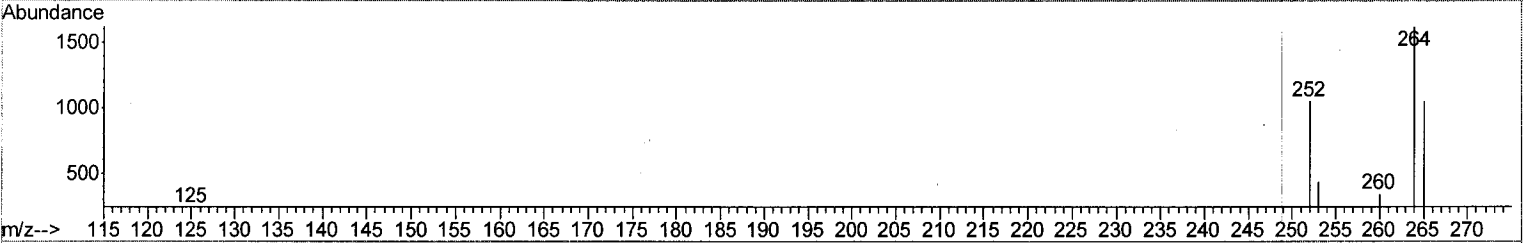
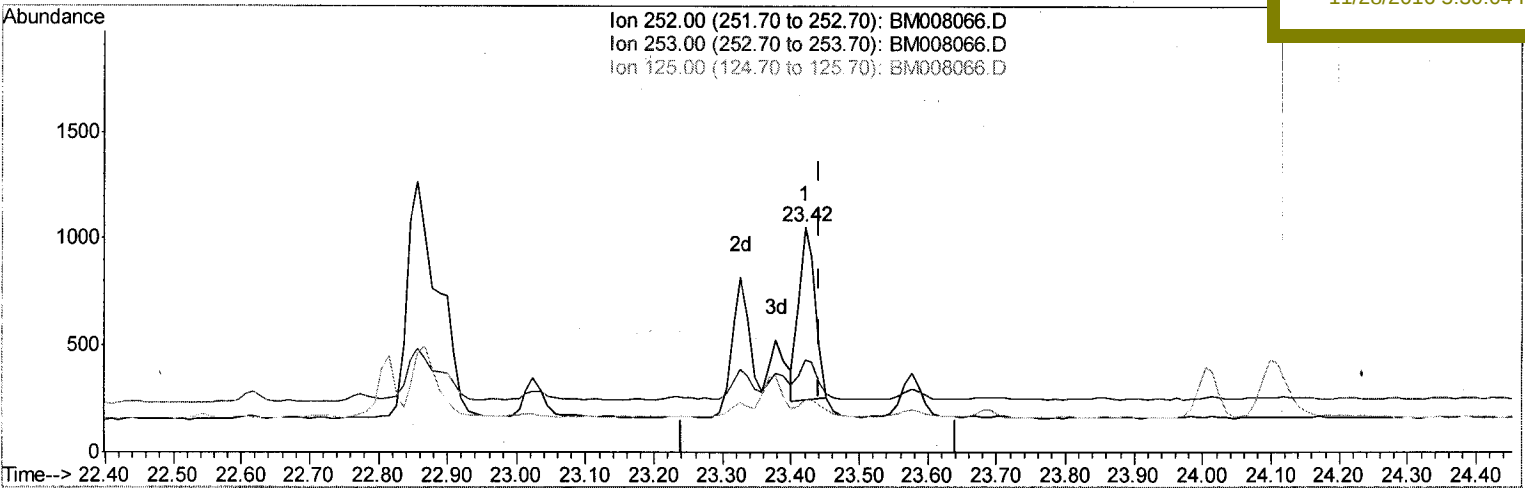
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM112316\  
 Data File : BM008066.D  
 Acq On : 24 Nov 2016 10:19  
 Operator : UM/SJ  
 Sample : H5701-26  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

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Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4WG6

Manual Integrations  
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TIC: BM008066.D

(23) Benzo(a)pyrene (C)

23.420min (-0.021) 0.16ng/ul

response 1353

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 35.60 | 41.04 |
| 125.00 | 22.60 | 22.94 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

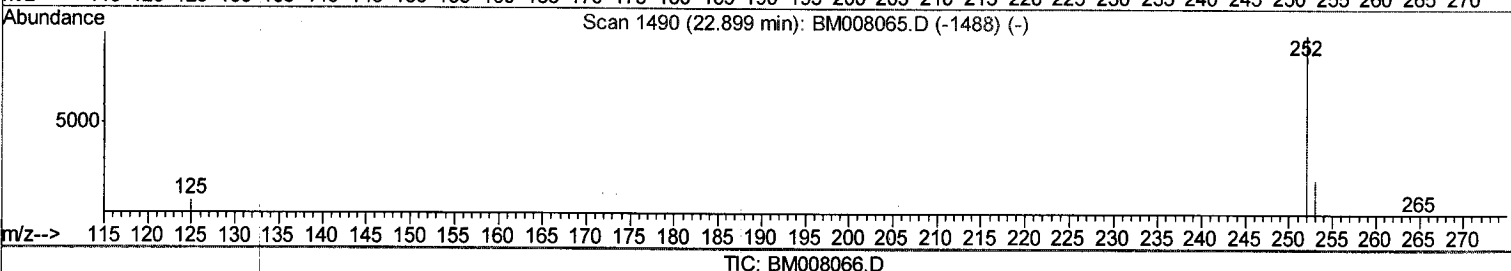
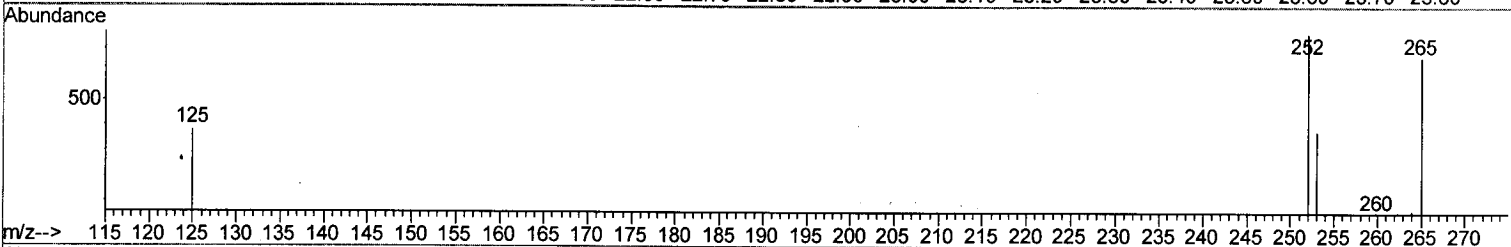
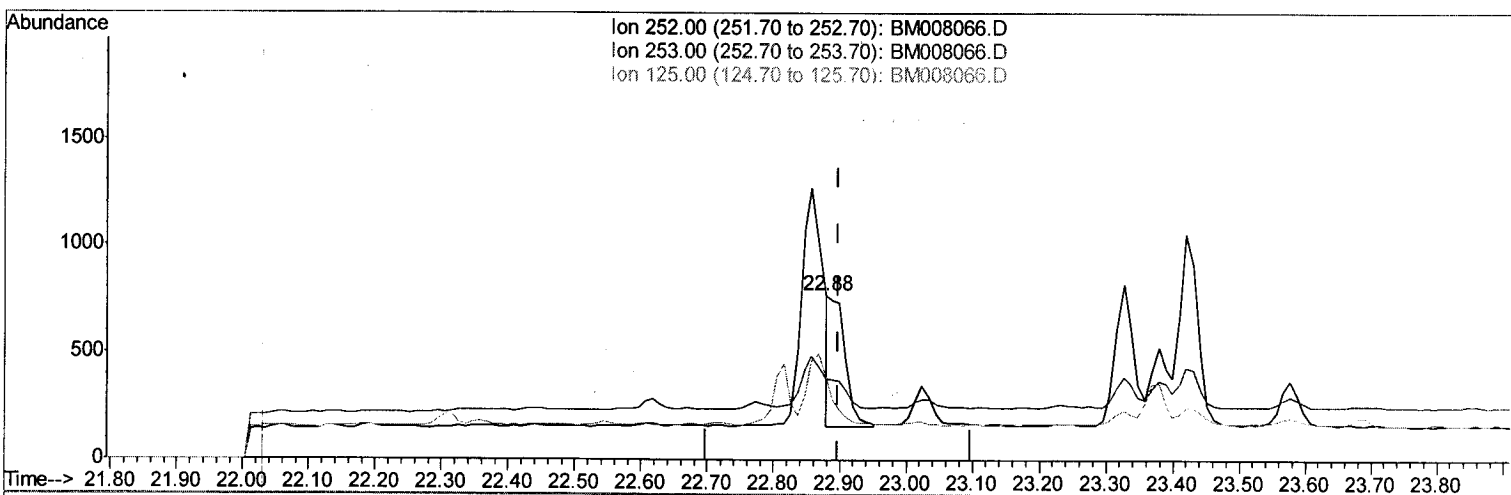
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM112316\  
 Data File : BM008066.D  
 Acq On : 24 Nov 2016 10:19  
 Operator : UM/SJ  
 Sample : H5701-26  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4WG6

Manual Integrations  
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(22) Benzo(k)fluoranthene

22.878min (-0.021) 0.11ng/ul m

response 1043

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 30.60 | 49.67# |
| 125.00 | 17.10 | 50.07# |
| 0.00   | 0.00  | 0.00   |

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# Quantitation Report (Qedit)

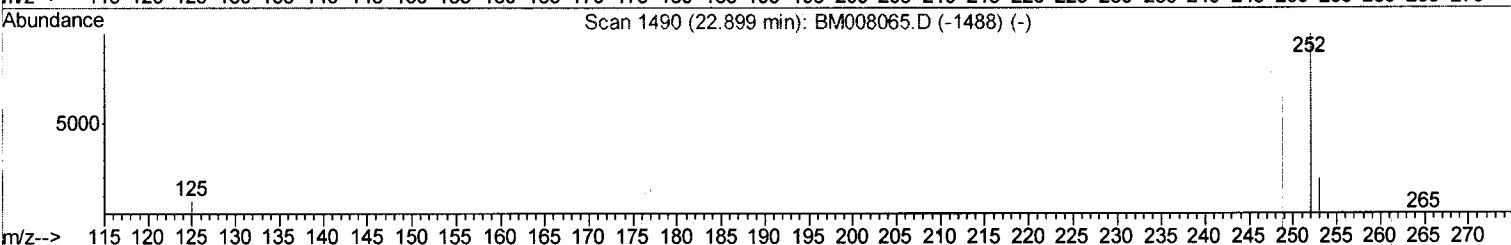
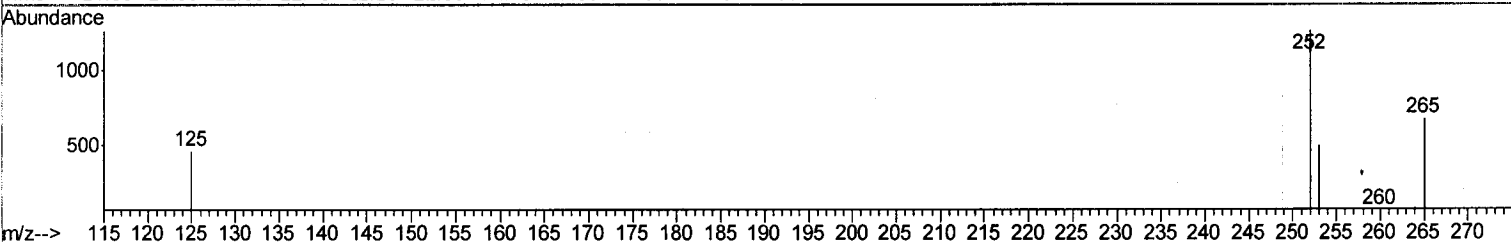
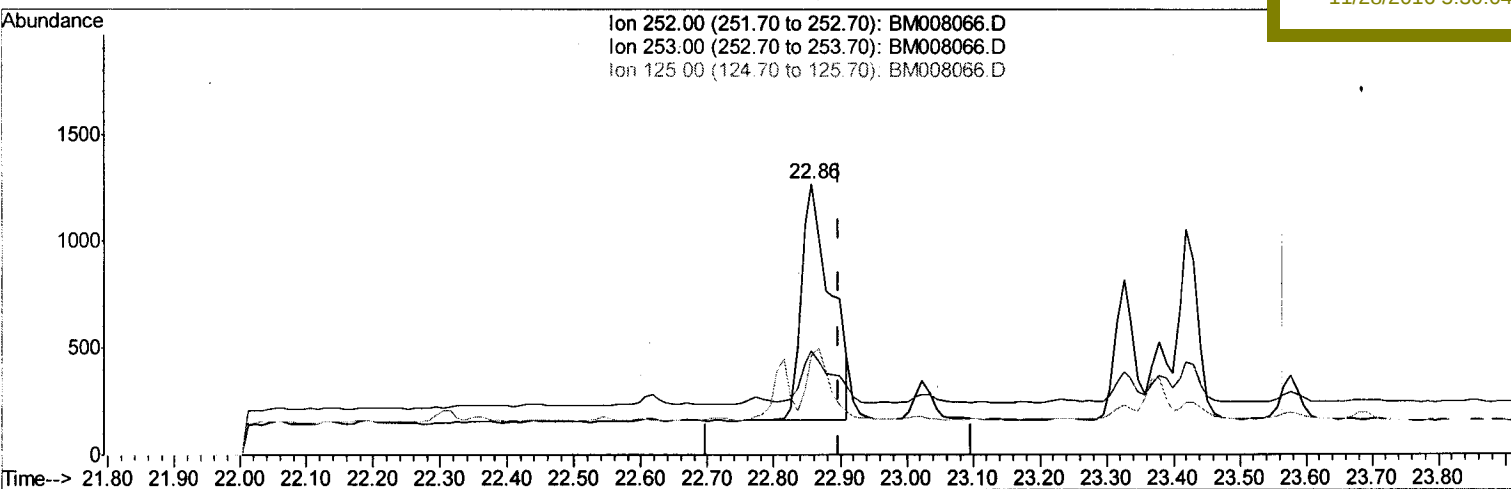
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM112316\  
 Data File : BM008066.D  
 Acq On : 24 Nov 2016 10:19  
 Operator : UM/SJ  
 Sample : H5701-26  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4WG6

Manual Integrations  
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Quant Time: Nov 28 10:52:46 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM112116.M  
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TIC: BM008066.D

(22) Benzo(k)fluoranthene  
 22.857min (-0.042) 0.36ng/ul  
 response 3368  

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 30.60 | 38.33# |
| 125.00 | 17.10 | 36.20# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

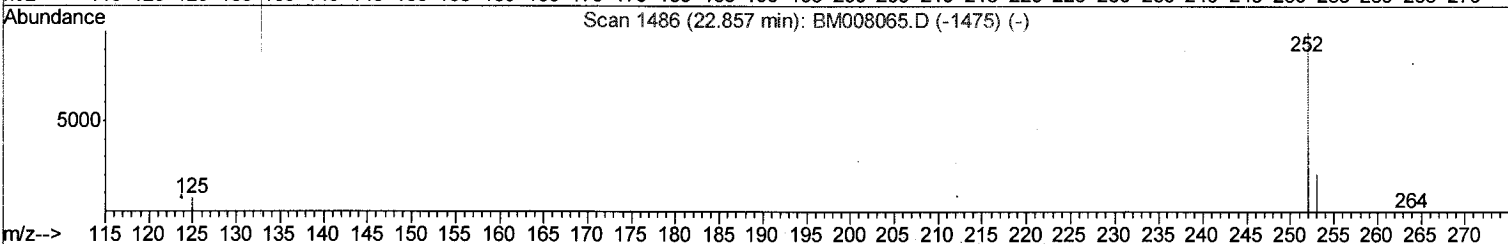
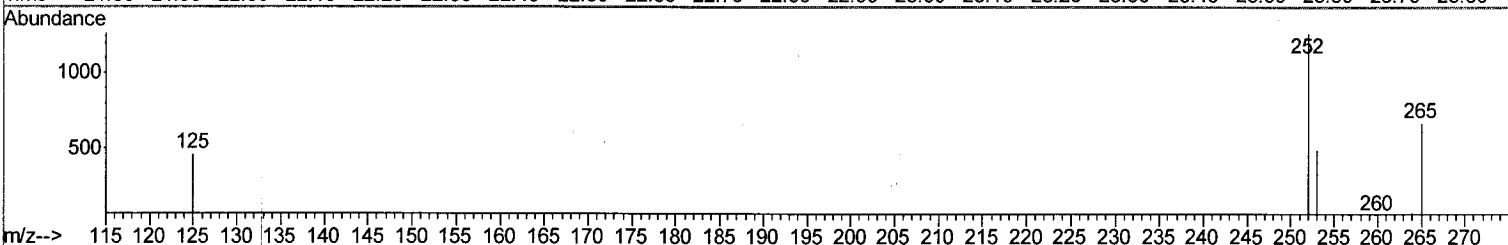
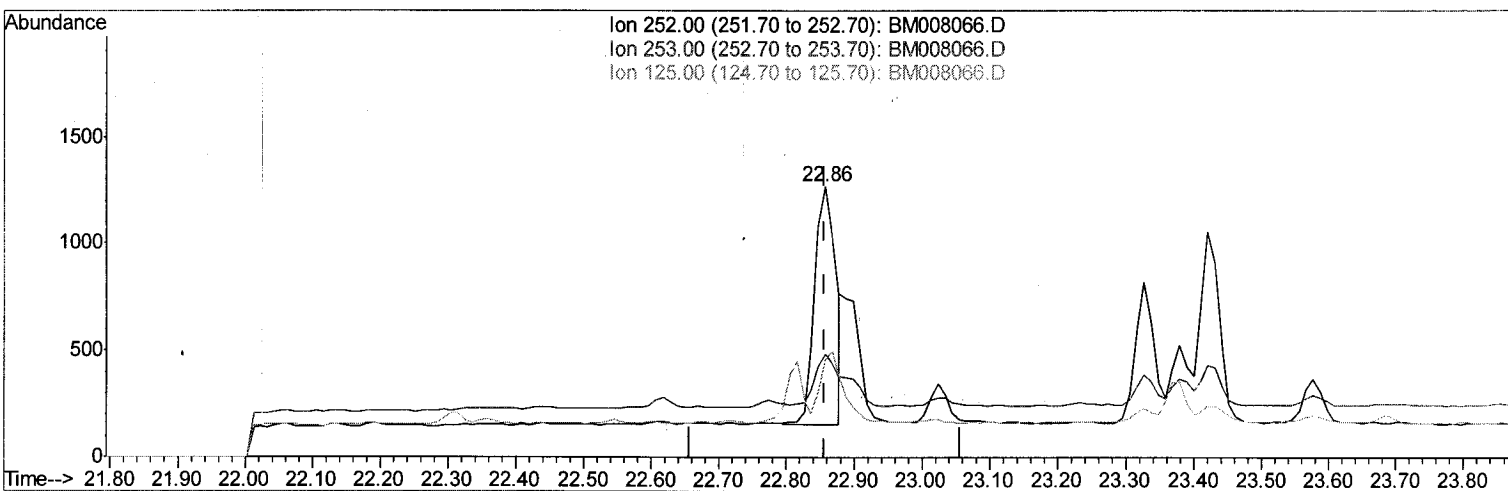
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM112316\  
 Data File : BM008066.D  
 Acq On : 24 Nov 2016 10:19  
 Operator : UM/SJ  
 Sample : H5701-26  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4WG6

Manual Integrations  
 APPROVED

Umangi  
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(21) Benzo(b)fluoranthene

22.857min (+0.000) 0.27ng/ul m

response 2465

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 32.10 | 38.33  |
| 125.00 | 17.50 | 36.20# |
| 0.00   | 0.00  | 0.00   |

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 11/29/16

# Quantitation Report (Qedit)

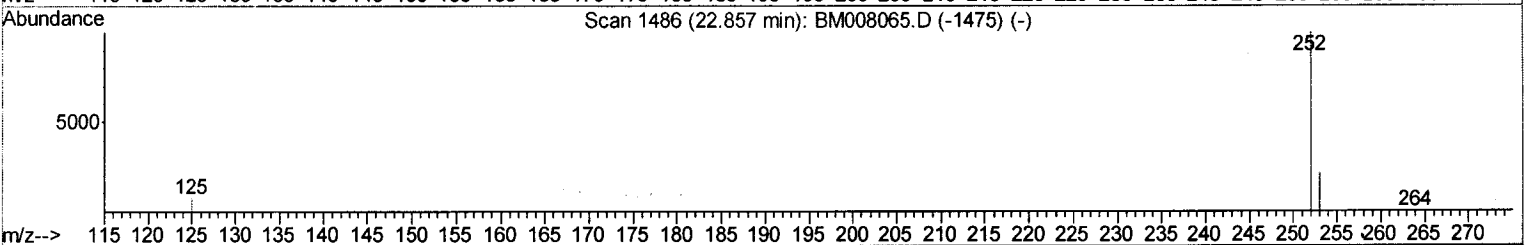
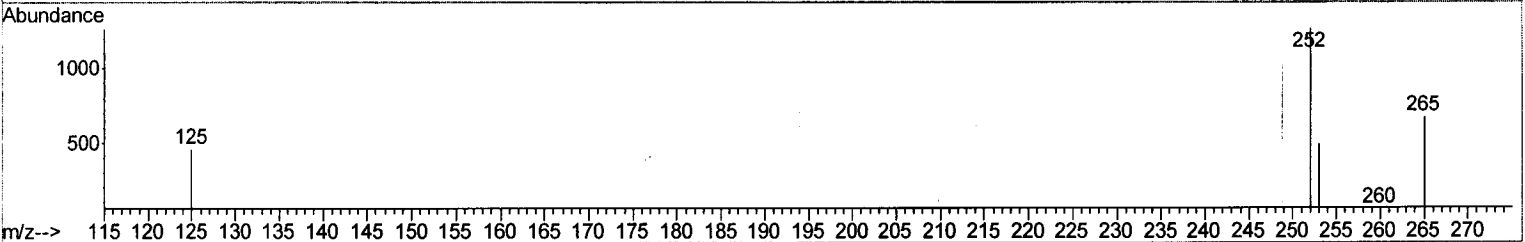
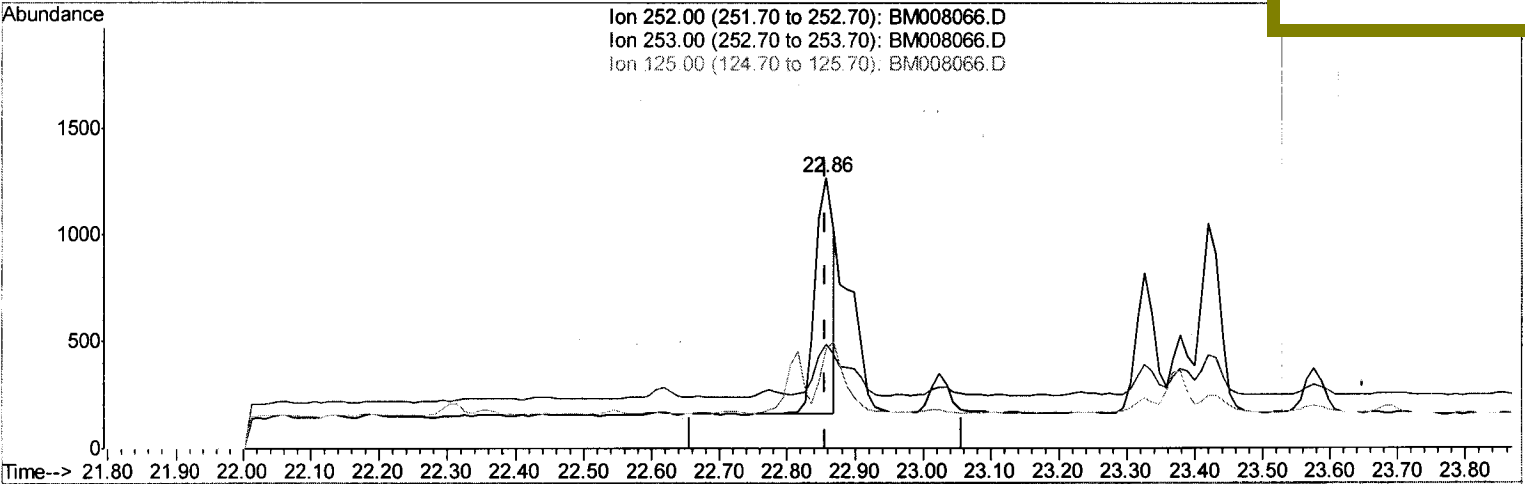
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM112316\  
 Data File : BM008066.D  
 Acq On : 24 Nov 2016 10:19  
 Operator : UM/SJ  
 Sample : H5701-26  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_M  
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TIC: BM008066.D

(21) Benzo(b)fluoranthene

22.857min (+0.000) 0.23ng/ul

response 2065

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 32.10 | 38.33  |
| 125.00 | 17.50 | 36.20# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

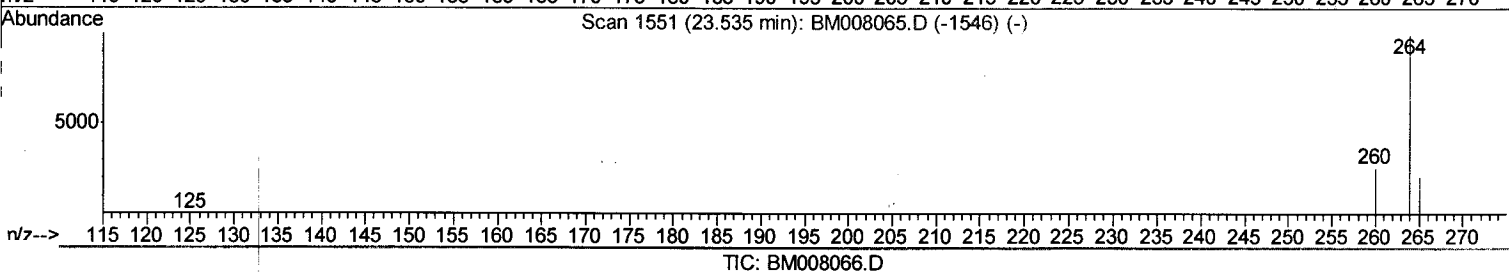
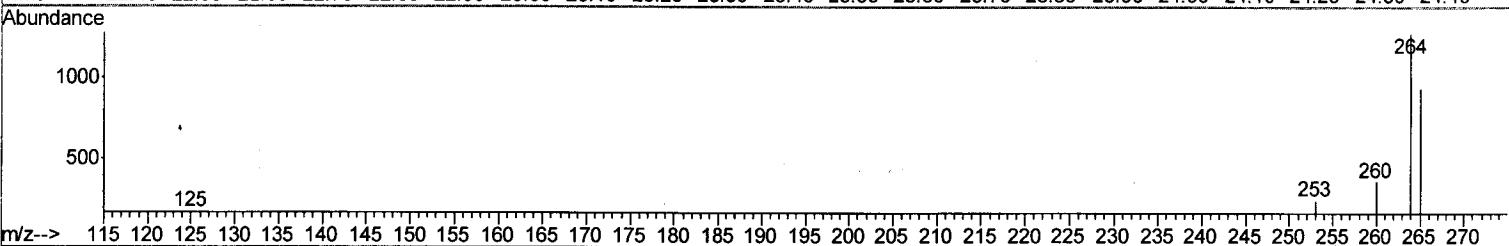
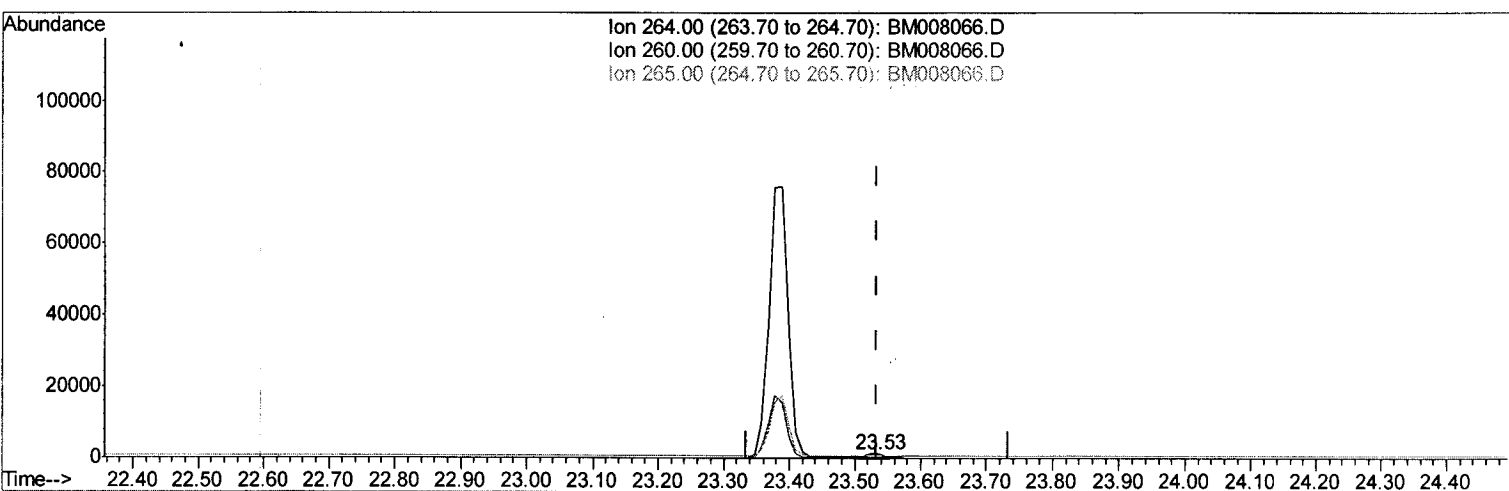
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Instrument :  
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 ClientSampleId :  
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(20) Perylene-d12 (I)

23.535min (+0.000) 0.40ng/ul m

response 2259

Ion Exp% Act%

264.00 100 100

260.00 30.10 28.47

265.00 103.50 73.65#

0.00 0.00 0.00

S.J.  
 11/29/16

# Quantitation Report (Qedit)

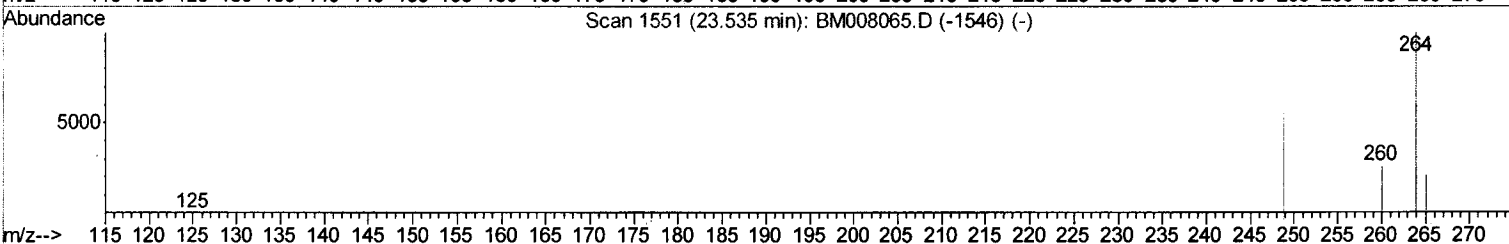
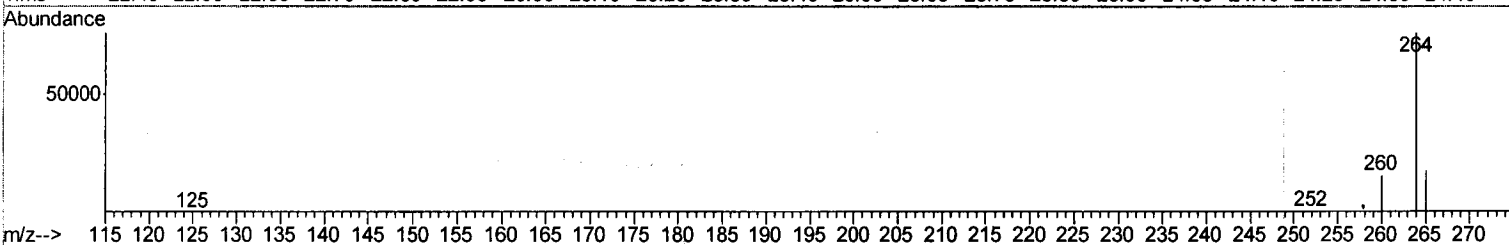
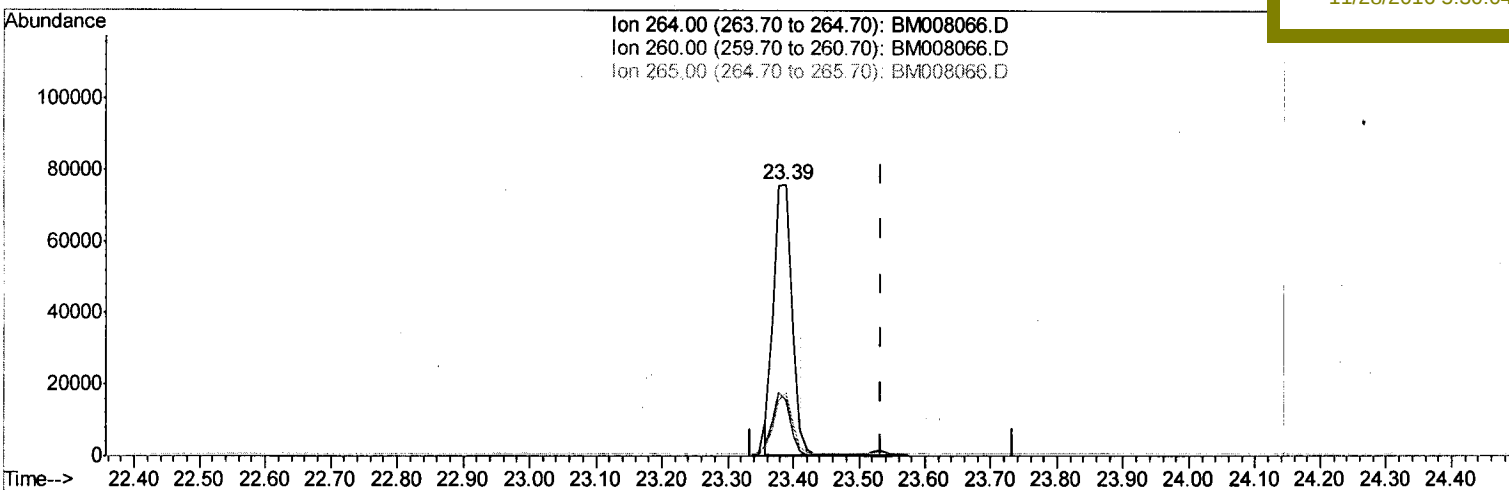
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM112316\  
 Data File : BM008066.D  
 Acq On : 24 Nov 2016 10:19  
 Operator : UM/SJ  
 Sample : H5701-26  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

**Instrument :**  
 BNA\_M  
**ClientSampled :**  
 A4WG6

**Manual Integrations**  
**APPROVED**

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TIC: BM008066.D

(20) Perylene-d12 (I)

23.389min (-0.146) 0.40ng/ul

response 144506

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 20.35# |
| 265.00 | 103.50 | 22.97# |
| 0.00   | 0.00   | 0.00   |

# Quantitation Report (Qedit)

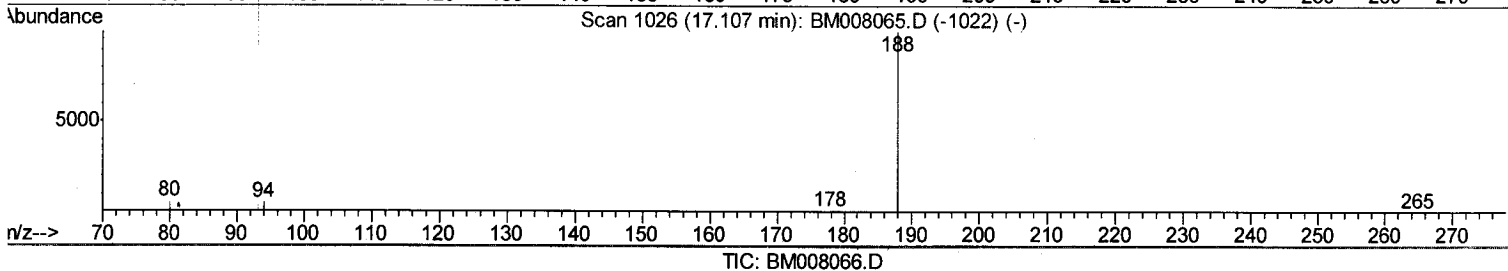
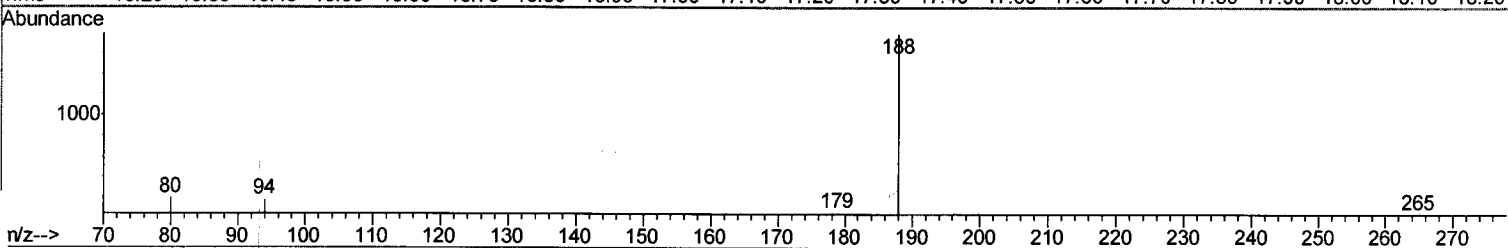
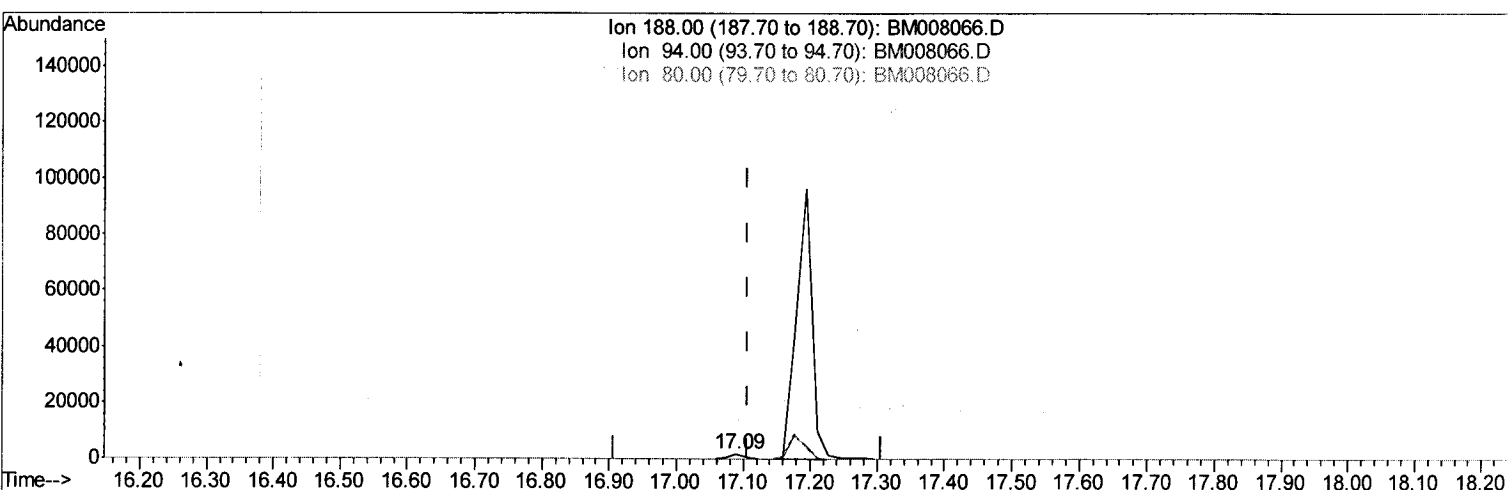
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM112316\  
 Data File : BM008066.D  
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 Operator : UM/SJ  
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 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4WG6

Manual Integrations  
 APPROVED

Umangi  
 11/28/2016 5:30:04 PM

Quant Time: Nov 28 10:51:29 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM112116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 25 01:27:01 2016  
 Response via : Initial Calibration



TIC: BM008066.D

(10) Phenanthrene-d10 (I)

17.090min (-0.017) 0.40ng/ul m

response 2846

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 11.00 | 10.18 |
| 80.00  | 11.80 | 11.08 |
| 0.00   | 0.00  | 0.00  |

S.J.  
 11/29/16

# Quantitation Report (Qedit)

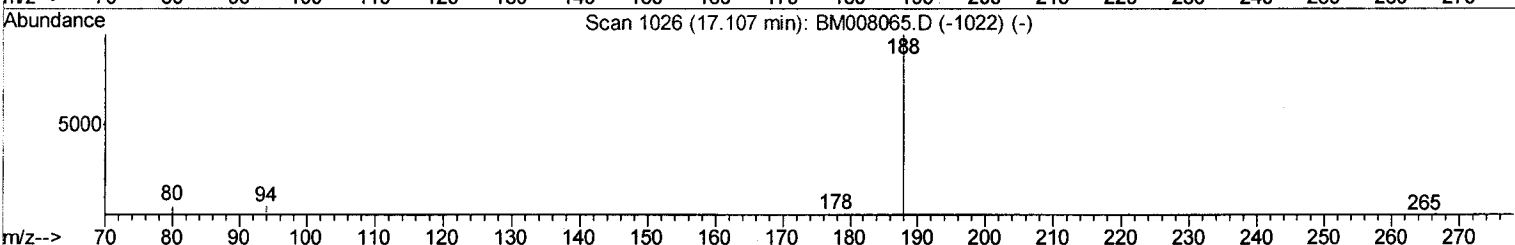
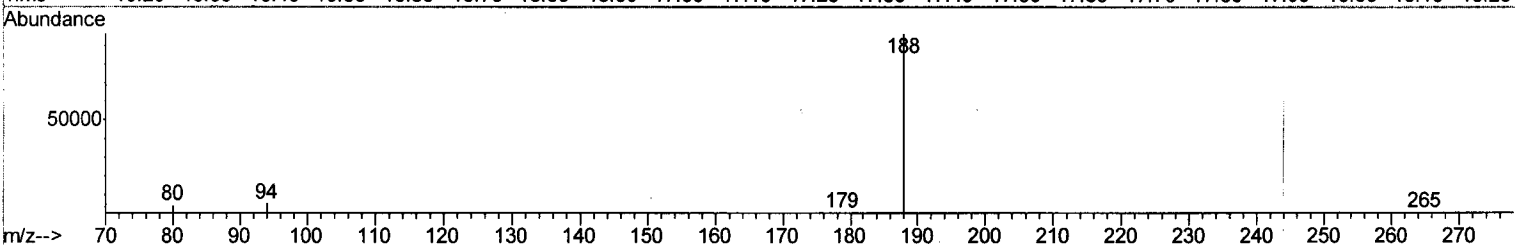
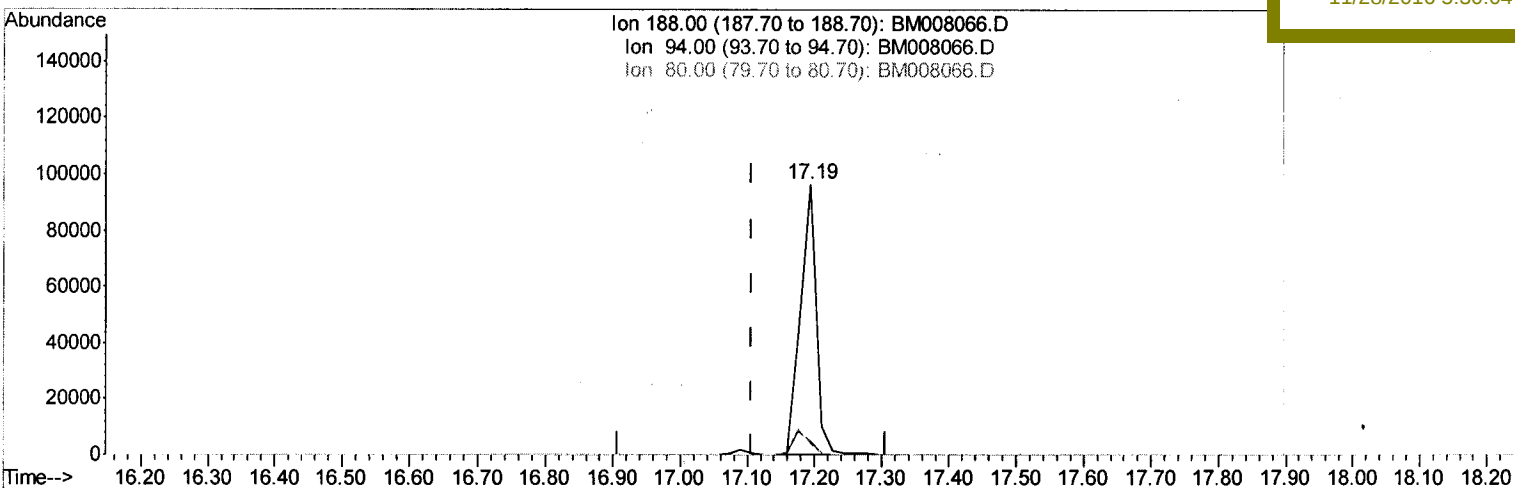
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM112316\  
 Data File : BM008066.D  
 Acq On : 24 Nov 2016 10:19  
 Operator : UM/SJ  
 Sample : H5701-26  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4WG6

Quant Time: Nov 28 10:51:29 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM112116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 25 01:27:01 2016  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Umangi  
 11/28/2016 5:30:04 PM



TIC: BM008066.D

(10) Phenanthrene-d10 (I)

17.193min (+0.086) 0.40ng/ul

response 155901

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 11.00 | 5.23# |
| 80.00  | 11.80 | 4.33# |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM112316\  
 Data File : BM008066.D  
 Acq On : 24 Nov 2016 10:19  
 Operator : UM/SJ  
 Sample : H5701-26  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4WG6

Manual Integrations  
 APPROVED

Umangi  
 11/28/2016 5:30:04 PM

Quant Time: Nov 28 10:55:05 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM112116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 25 01:27:01 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.73  | 152  | 627      | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.49 | 136  | 2207     | 0.40 | ng/ul | -0.01    |
| 6) Acenaphthene-d10       | 14.35 | 164  | 1338     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.09 | 188  | 2846m    | 0.40 | ng/ul | -0.02    |
| 16) Chrysene-d12          | 21.29 | 240  | 2682     | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.53 | 264  | 2259m    | 0.40 | ng/ul | 0.00     |

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| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 12.10 | 152  | 440      | 0.14 | ng/ul | 0.00     |
| 14) Fluoranthene-d10        | 19.13 | 212  | 2016     | 0.25 | ng/ul | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc | Units  | Qvalue |
|----------------------------|-------|------|----------|------|--------|--------|
| 7) Acenaphthylene          | 14.06 | 152  | 329      | 0.05 | ng/ul# | 69     |
| 12) Phenanthrene           | 17.12 | 178  | 1366     | 0.15 | ng/ul  | 94     |
| 13) Anthracene             | 17.23 | 178  | 427      | 0.05 | ng/ul# | 66     |
| 15) Fluoranthene           | 19.16 | 202  | 3624     | 0.32 | ng/ul  | 98     |
| 17) Pyrene                 | 19.52 | 202  | 4113     | 0.44 | ng/ul  | 99     |
| 18) Benzo(a)anthracene     | 21.27 | 228  | 1710     | 0.21 | ng/ul  | 94     |
| 19) Chrysene               | 21.32 | 228  | 1973     | 0.19 | ng/ul  | 92     |
| 21) Benzo(b)fluoranthene   | 22.86 | 252  | 2465m    | 0.27 | ng/ul  |        |
| 22) Benzo(k)fluoranthene   | 22.88 | 252  | 1043m    | 0.11 | ng/ul  |        |
| 23) Benzo(a)pyrene         | 23.42 | 252  | 1546m    | 0.18 | ng/ul  |        |
| 24) Indeno(1,2,3-cd)pyrene | 25.79 | 276  | 1217m    | 0.12 | ng/ul  |        |
| 26) Benzo(g,h,i)perylene   | 26.47 | 276  | 1076m    | 0.12 | ng/ul  |        |

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