

Quantitation Report (QT Reviewed)

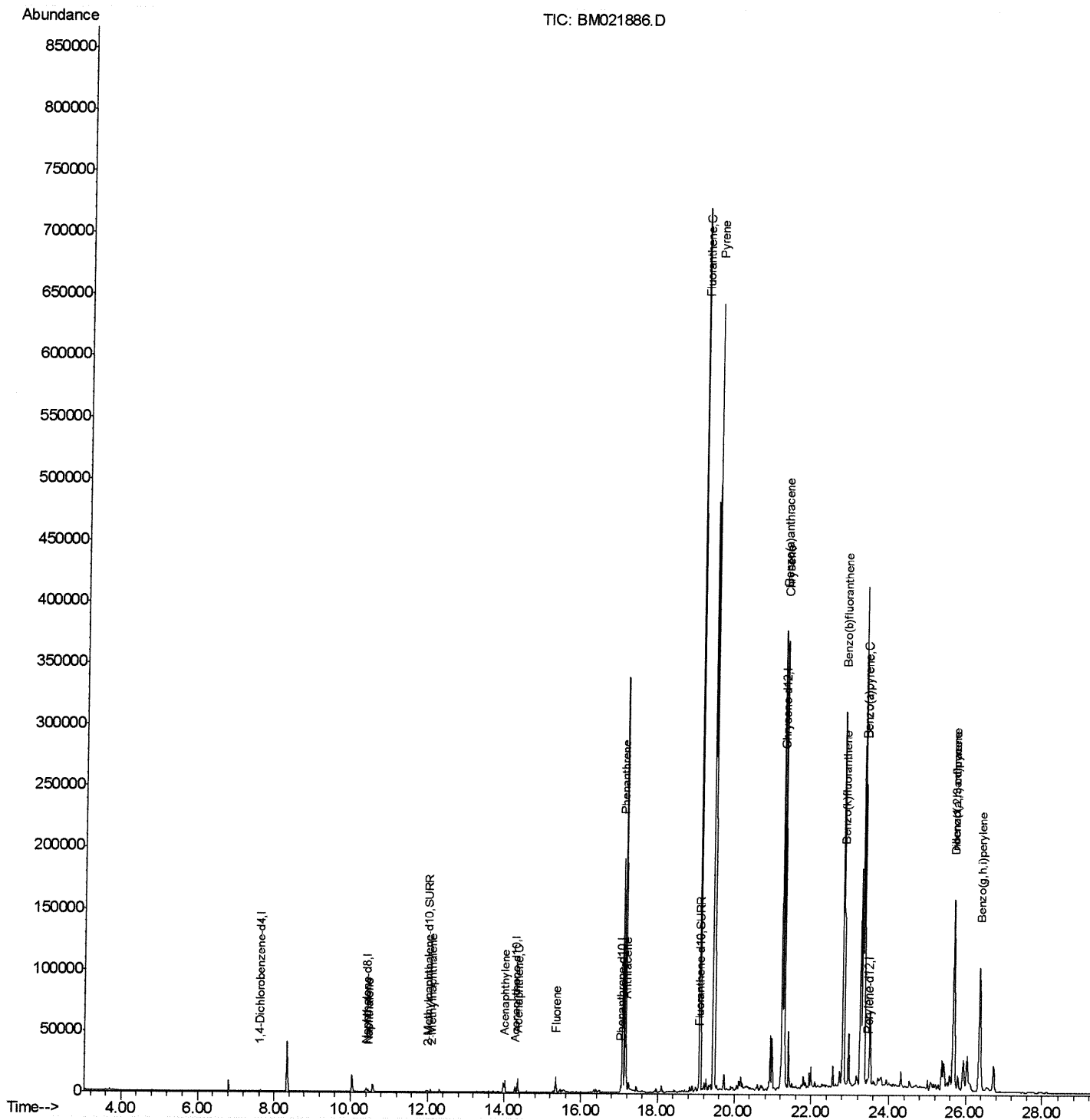
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080619\  
 Data File : BM021886.D  
 Acq On : 07 Aug 2019 08:39  
 Operator : HP/JU  
 Sample : K3893-05  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BEP11

Manual Integrations  
 APPROVED

mohammad  
 8/7/2019 12:14:01 PM

Quant Time: Aug 07 11:47:51 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 07 08:28:11 2019  
 Response via : Initial Calibration



# Quantitation Report (Qedit)

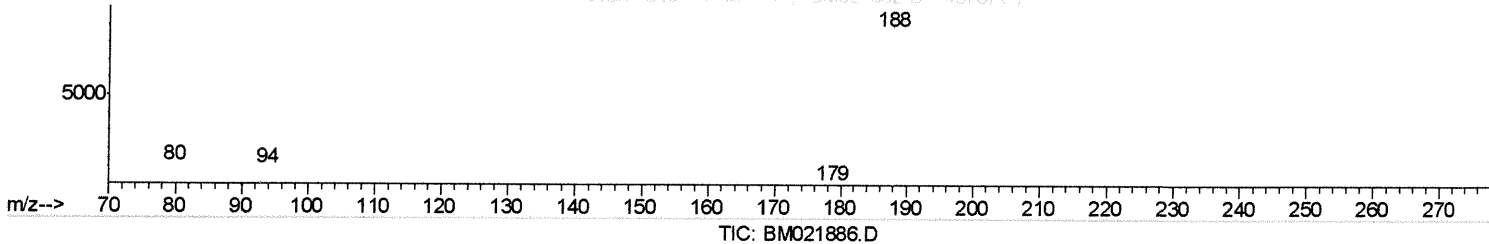
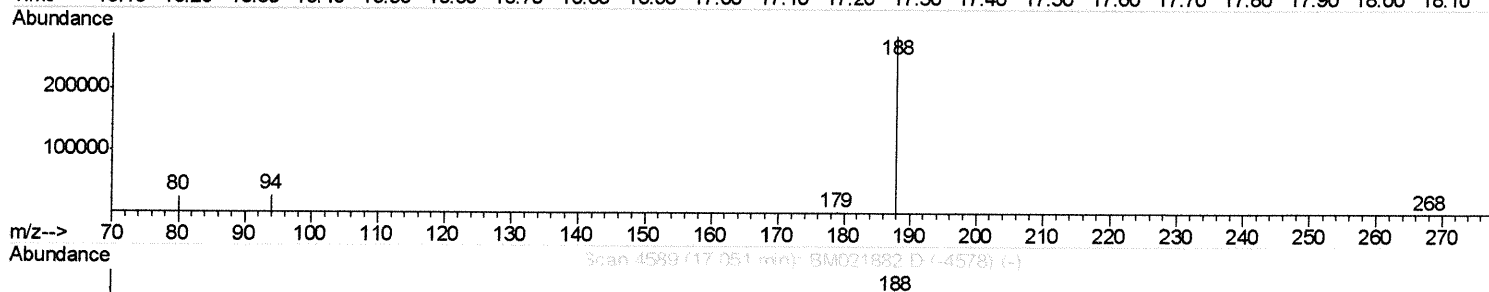
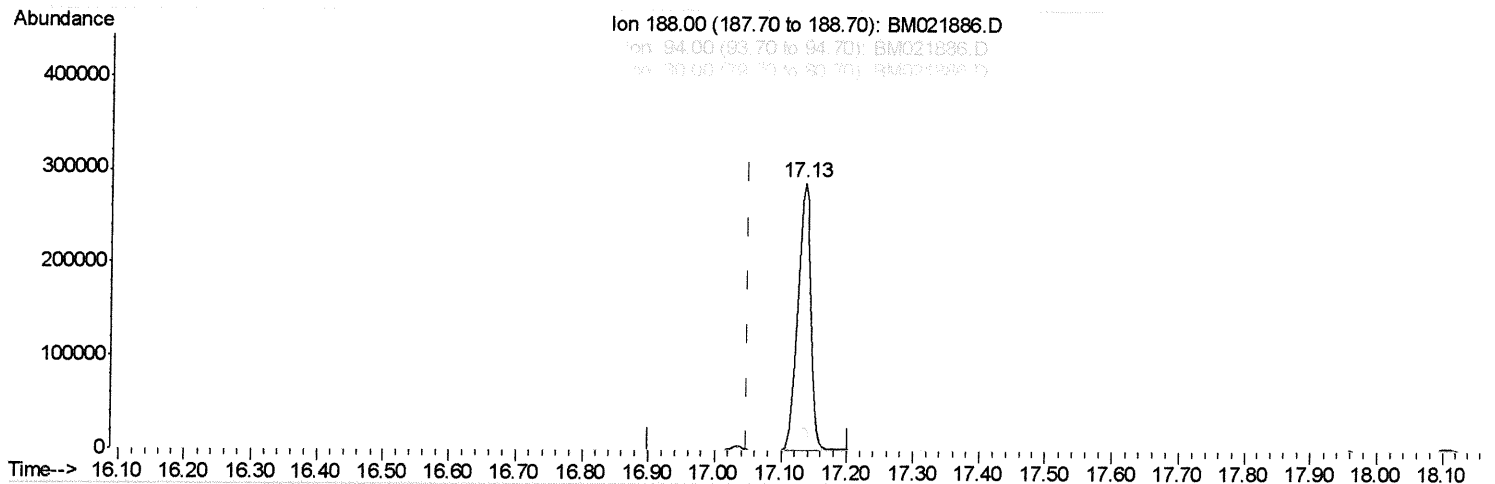
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080619\  
 Data File : BM021886.D  
 Acq On : 07 Aug 2019 08:39  
 Operator : HP/JU  
 Sample : K3893-05  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BEP11

Manual Integrations  
 APPROVED

mohammad  
 8/7/2019 12:14:01 PM

Quant Time: Aug 07 10:51:51 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 07 08:28:11 2019  
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(10) Phenanthrene-d10 (I)  
 17.133min (+0.082) 0.40ng/ul  
 response 393737

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 10.40 | 9.09  |
| 80.00  | 11.40 | 8.60# |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

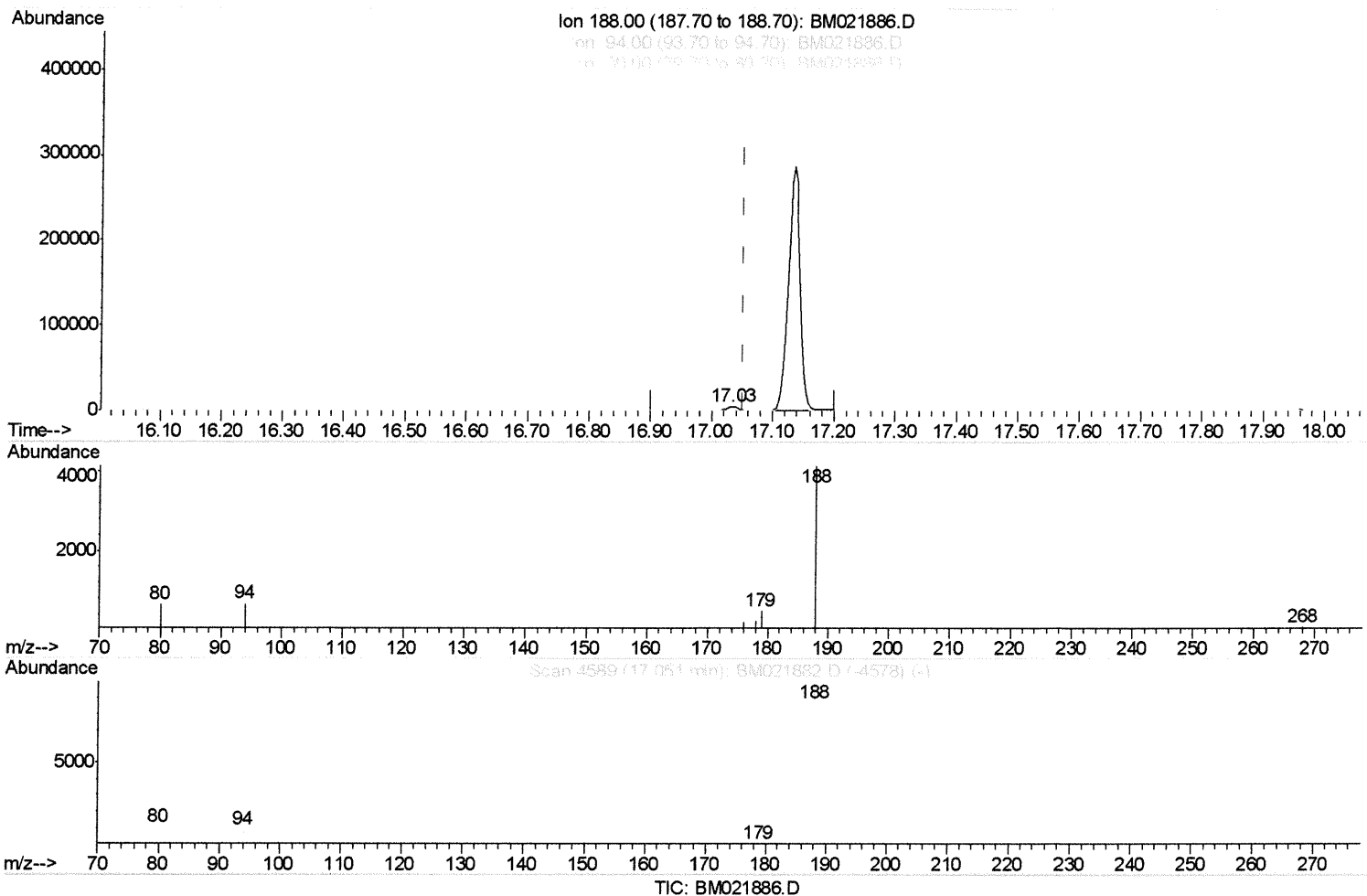
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080619\  
Data File : BM021886.D  
Acq On : 07 Aug 2019 08:39  
Operator : HP/JU  
Sample : K3893-05  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Manual Integrations  
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mohammad  
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(10) Phenanthrene-d10 (I)

17.032min (-0.019) 0.40ng/ul m

JU  
08/07/19

response 5919

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 188.00 | 100   | 100    |
| 94.00  | 10.40 | 15.93# |
| 80.00  | 11.40 | 15.37# |
| 0.00   | 0.00  | 0.00   |

## Quantitation Report (Qedit)

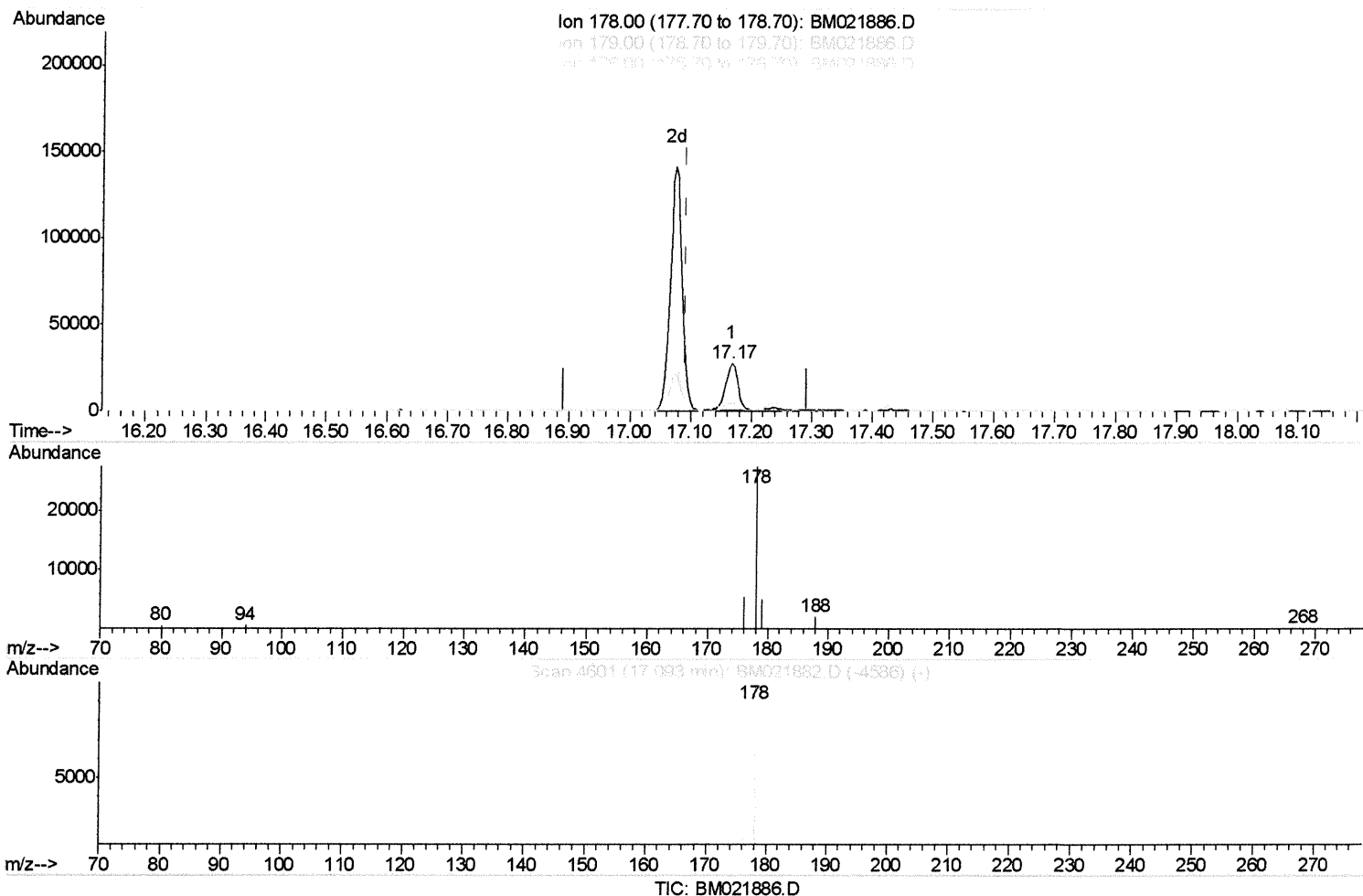
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080619\  
Data File : BM021886.D  
Acq On : 07 Aug 2019 08:39  
Operator : HP/JU  
Sample : K3893-05  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP11

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:14:01 PM

Quant Time: Aug 07 11:42:01 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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(12) Phenanthrene

17.168min (+0.075) 2.13ng/ul

response 36636

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 17.70 | 17.95 |
| 176.00 | 21.00 | 19.46 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

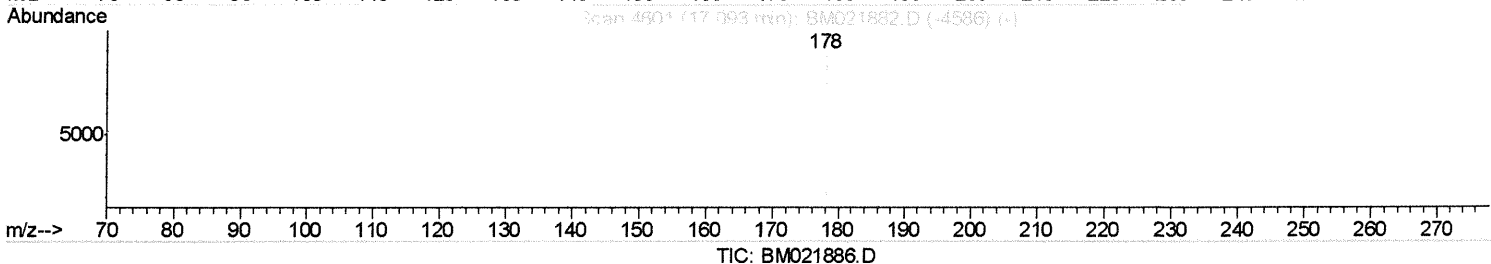
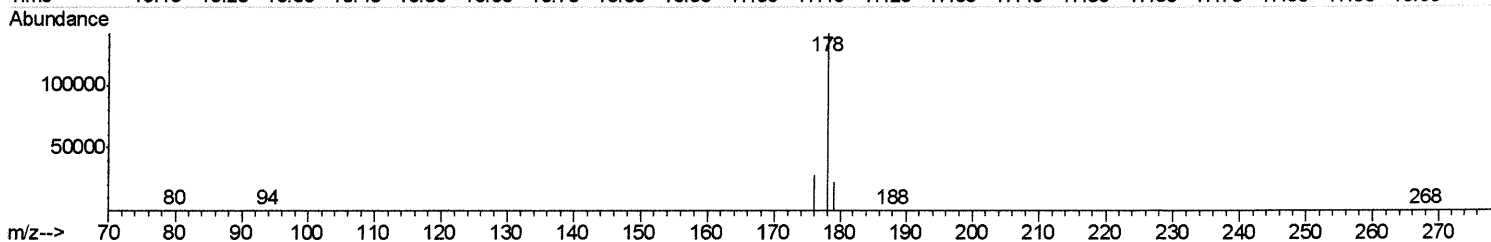
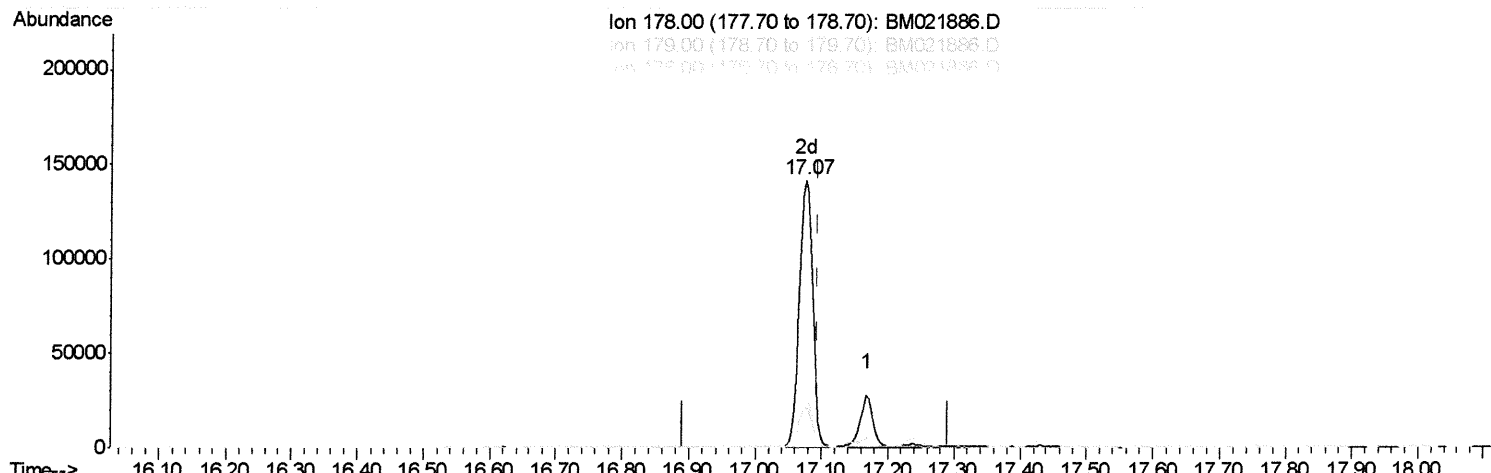
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080619\  
 Data File : BM021886.D  
 Acq On : 07 Aug 2019 08:39  
 Operator : HP/JU  
 Sample : K3893-05  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

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Manual Integrations  
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mohammad  
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 QLast Update : Wed Aug 07 08:28:11 2019  
 Response via : Initial Calibration



(12) Phenanthrene

17.074min (-0.019) 11.41ng/ul m *JU 8/7/19*

response 196533

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 17.70 | 15.59 |
| 176.00 | 21.00 | 19.72 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

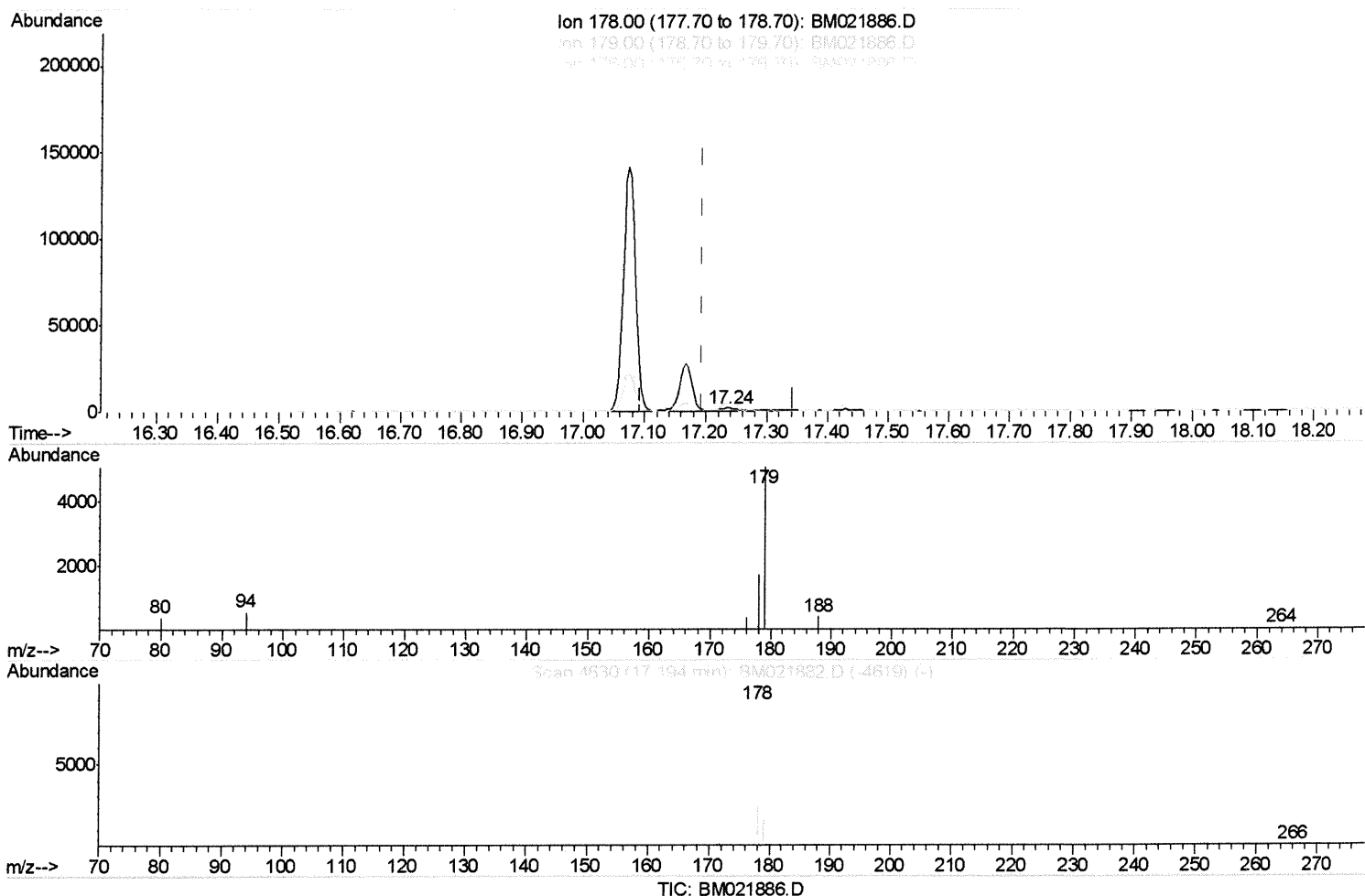
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080619\  
 Data File : BM021886.D  
 Acq On : 07 Aug 2019 08:39  
 Operator : HP/JU  
 Sample : K3893-05  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
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Manual Integrations  
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mohammad  
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(13) Anthracene

17.237min (+0.044) 0.15ng/ul

response 2178

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 178.00 | 100   | 100     |
| 179.00 | 19.40 | 289.95# |
| 176.00 | 20.80 | 23.36   |
| 0.00   | 0.00  | 0.00    |

## Quantitation Report (Qedit)

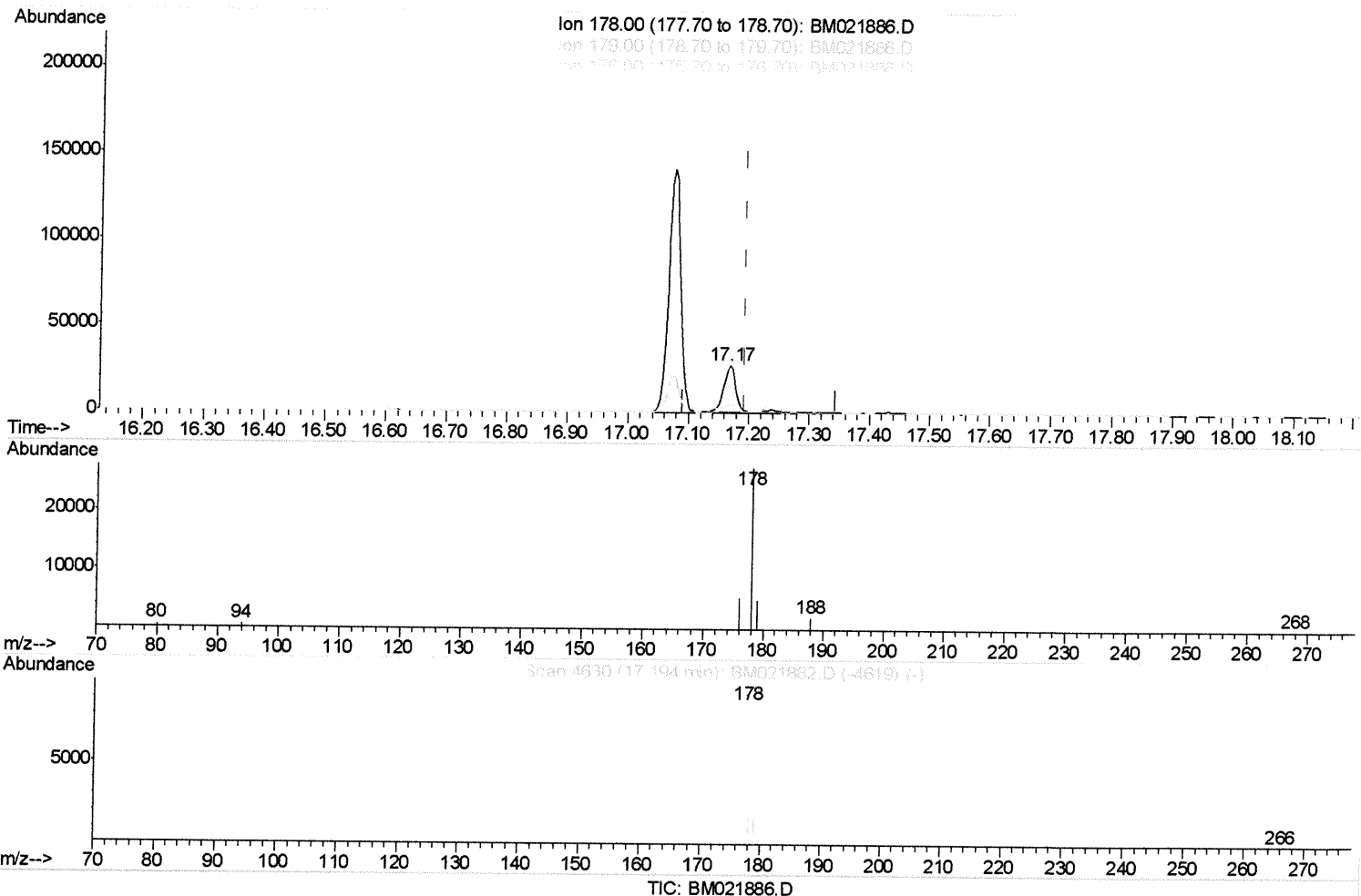
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080619\  
Data File : BM021886.D  
Acq On : 07 Aug 2019 08:39  
Operator : HP/JU  
Sample : K3893-05  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP11

Manual Integrations  
APPROVED

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Quant Time: Aug 07 11:42:01 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
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QLast Update : Wed Aug 07 08:28:11 2019  
Response via : Initial Calibration



(13) Anthracene

17.168min (-0.026) 2.57ng/ul m

JU 08/07/19

response 37817

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 19.40 | 17.95 |
| 176.00 | 20.80 | 19.46 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

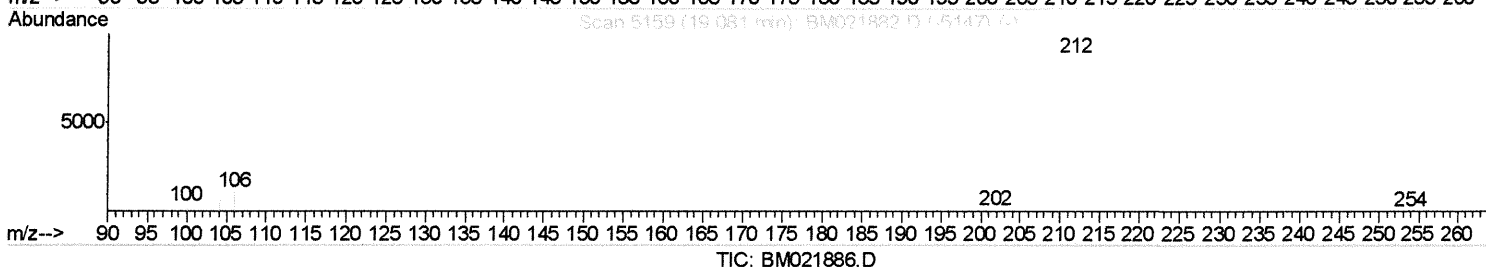
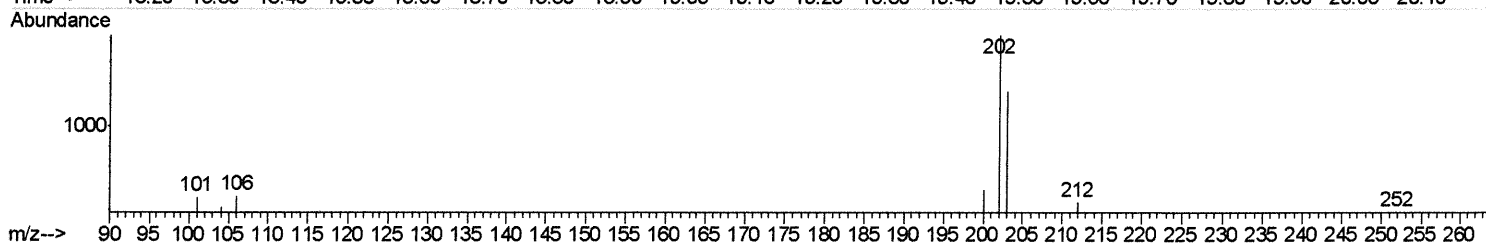
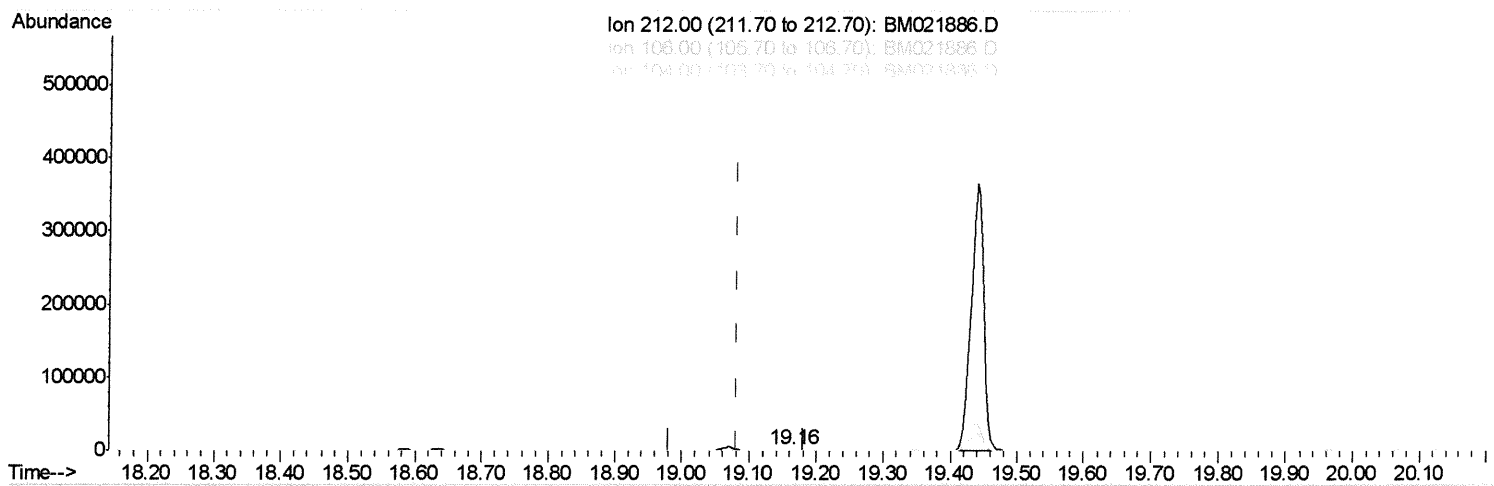
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080619\  
 Data File : BM021886.D  
 Acq On : 07 Aug 2019 08:39  
 Operator : HP/JU  
 Sample : K3893-05  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
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Manual Integrations  
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(14) Fluoranthene-d10 (SURR)

19.163min (+0.082) 0.01ng/ul

response 149

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 212.00 | 100  | 100   |
| 106.00 | 9.90 | 10.74 |
| 104.00 | 6.00 | 0.00# |
| 0.00   | 0.00 | 0.00  |

## Quantitation Report (Qedit)

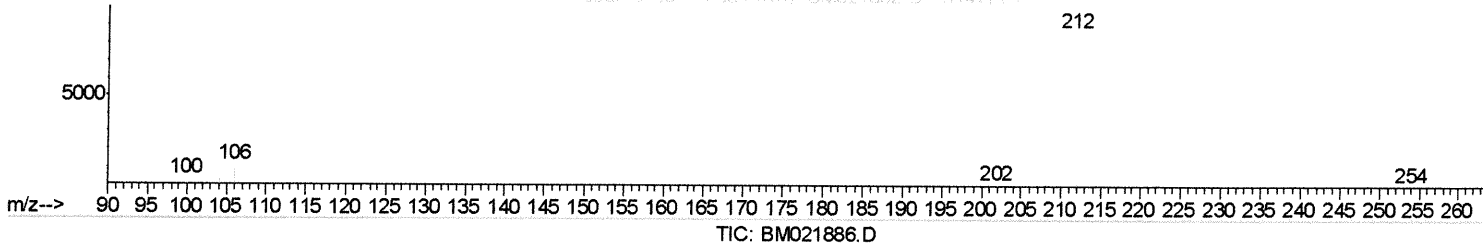
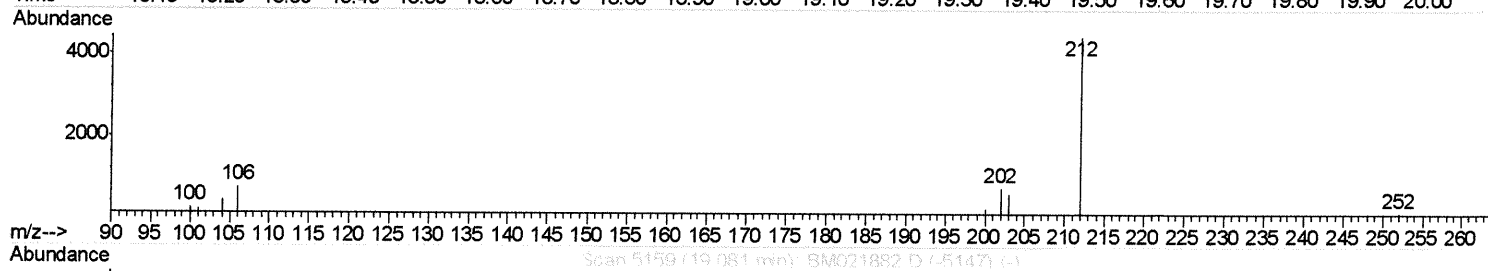
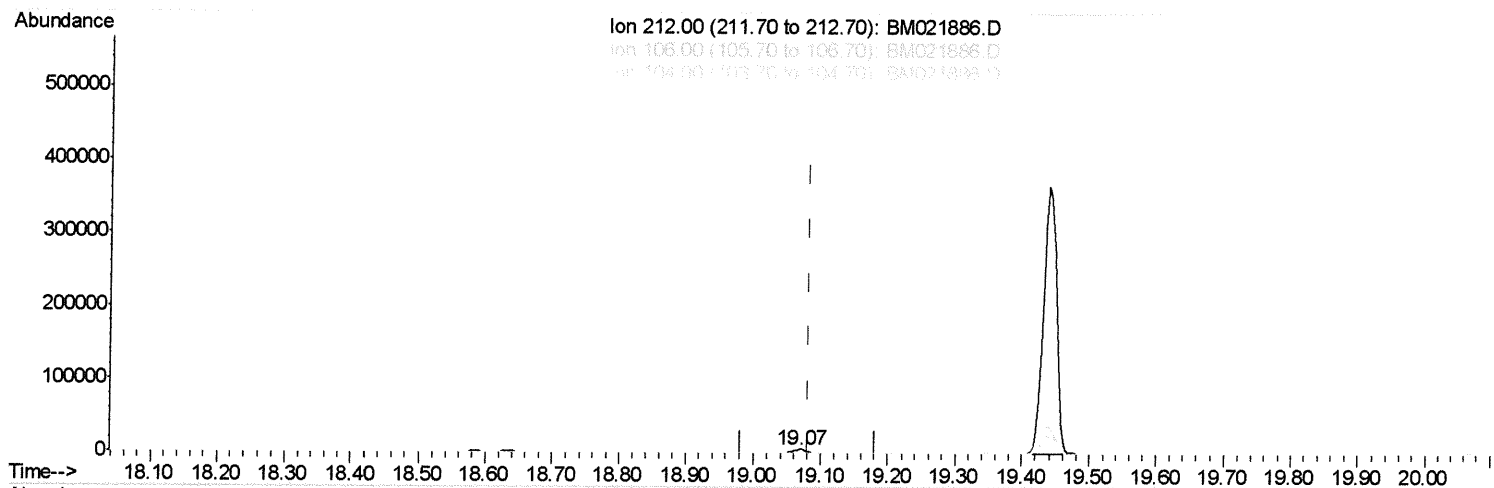
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080619\  
Data File : BM021886.D  
Acq On : 07 Aug 2019 08:39  
Operator : HP/JU  
Sample : K3893-05  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP11

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:14:01 PM

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QLast Update : Wed Aug 07 08:28:11 2019  
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(14) Fluoranthene-d10 (SURR)

19.068min (-0.013) 0.31ng/ul m

JU  
08/07/19

response 6265

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 212.00 | 100  | 100   |
| 106.00 | 9.90 | 0.26# |
| 104.00 | 6.00 | 0.00# |
| 0.00   | 0.00 | 0.00  |

# Quantitation Report (Qedit)

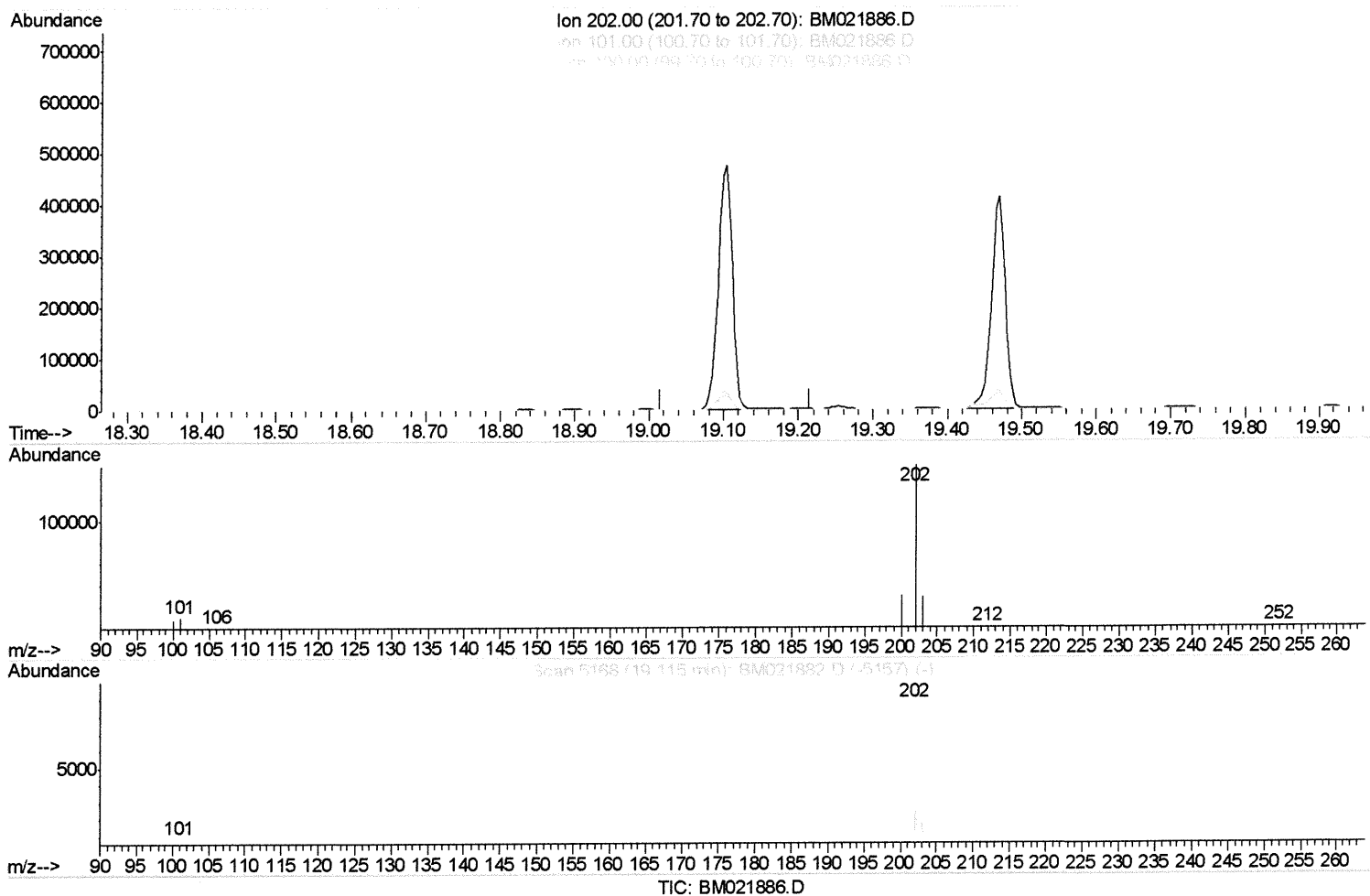
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080619\  
 Data File : BM021886.D  
 Acq On : 07 Aug 2019 08:39  
 Operator : HP/JU  
 Sample : K3893-05  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BEP11

Manual Integrations  
 APPROVED

mohammad  
 8/7/2019 12:14:01 PM

Quant Time: Aug 07 11:42:01 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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 Response via : Initial Calibration



(15) Fluoranthene (C)

19.115min (-19.115) 0.00ng/ul

response 0

| Ion    | Exp%  | Act% |
|--------|-------|------|
| 202.00 | 100   | 0.00 |
| 101.00 | 10.20 | 0.00 |
| 100.00 | 8.10  | 0.00 |
| 0.00   | 0.00  | 0.00 |

# Quantitation Report (Qedit)

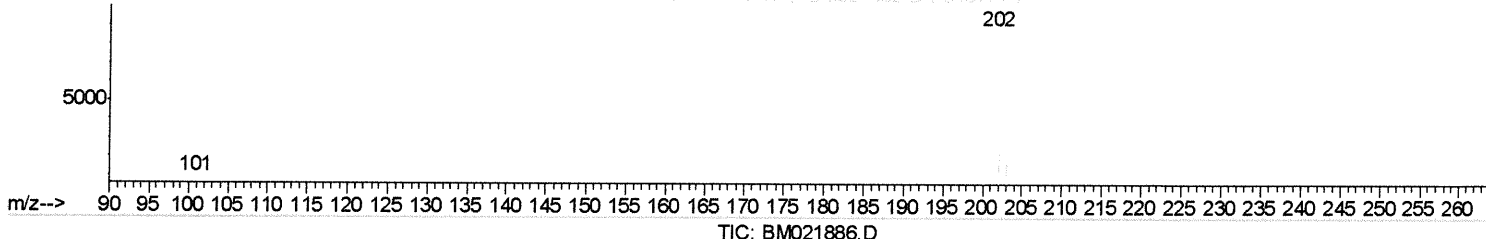
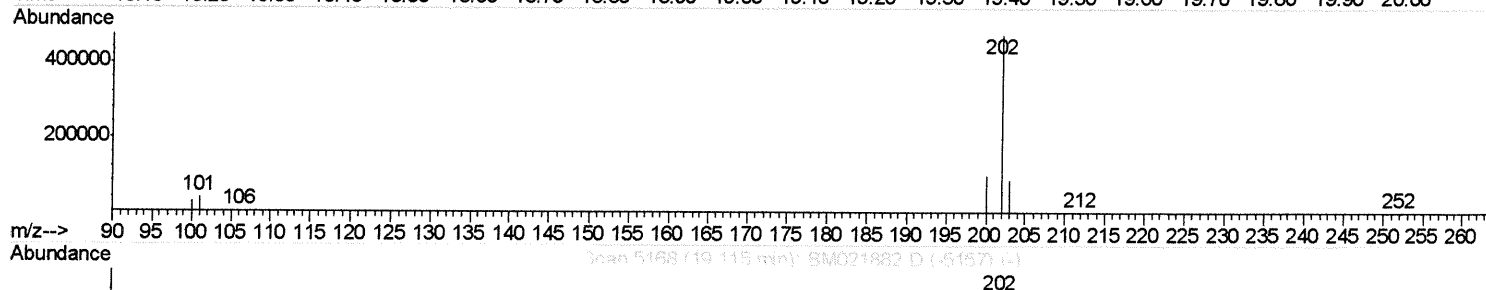
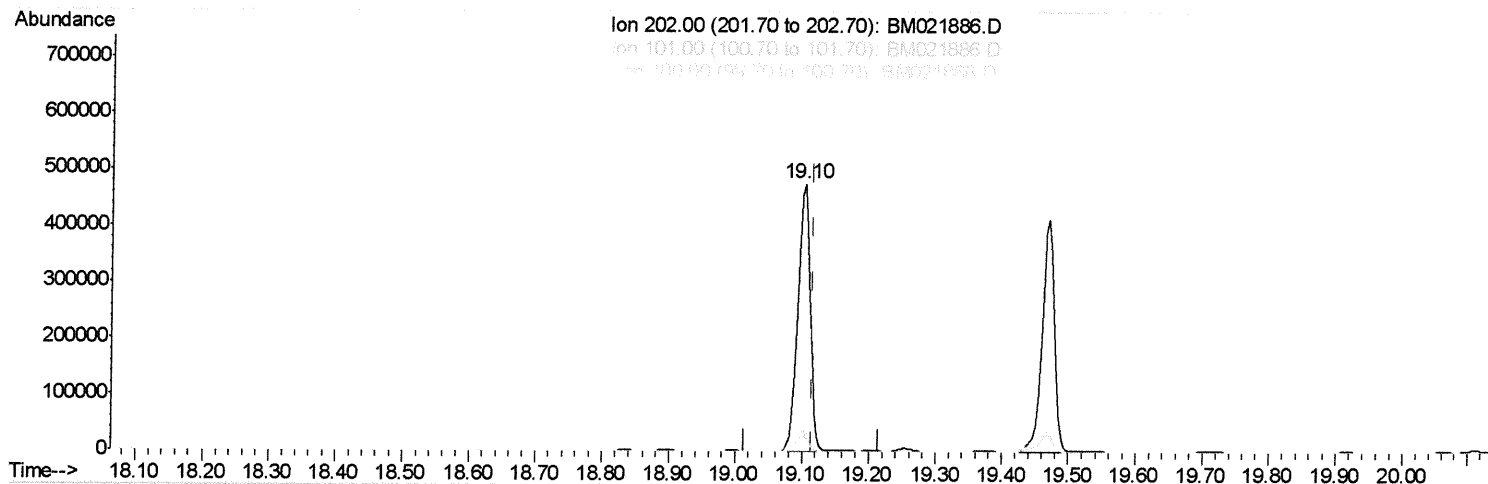
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080619\  
 Data File : BM021886.D  
 Acq On : 07 Aug 2019 08:39  
 Operator : HP/JU  
 Sample : K3893-05  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
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Manual Integrations  
 APPROVED

mohammad  
 8/7/2019 12:14:01 PM

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(15) Fluoranthene (C)

19.102min (-0.013) 26.94ng/ul m

JU 08/07/19

response 621508

| Ion    | Exp%  | Act% |
|--------|-------|------|
| 202.00 | 100   | 100  |
| 101.00 | 10.20 | 7.57 |
| 100.00 | 8.10  | 5.84 |
| 0.00   | 0.00  | 0.00 |

# Quantitation Report (Qedit)

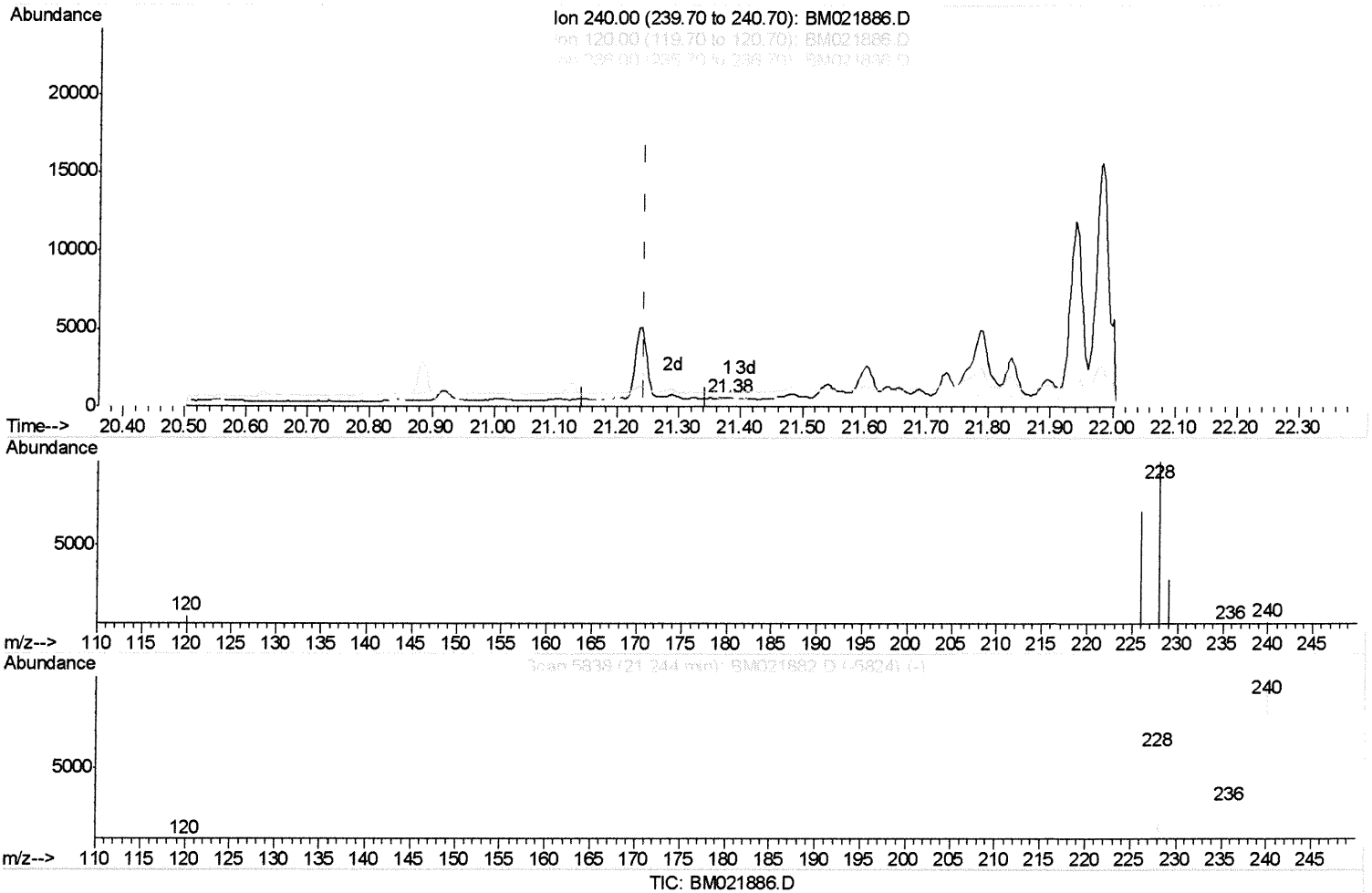
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080619\  
 Data File : BM021886.D  
 Acq On : 07 Aug 2019 08:39  
 Operator : HP/JU  
 Sample : K3893-05  
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Manual Integrations  
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(16) Chrysene-d12 (I)

21.379min (+0.135) 0.40ng/ul

response 130

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 240.00 | 100   | 100     |
| 120.00 | 16.20 | 156.66# |
| 236.00 | 32.30 | 87.35#  |
| 0.00   | 0.00  | 0.00    |

## Quantitation Report (Qedit)

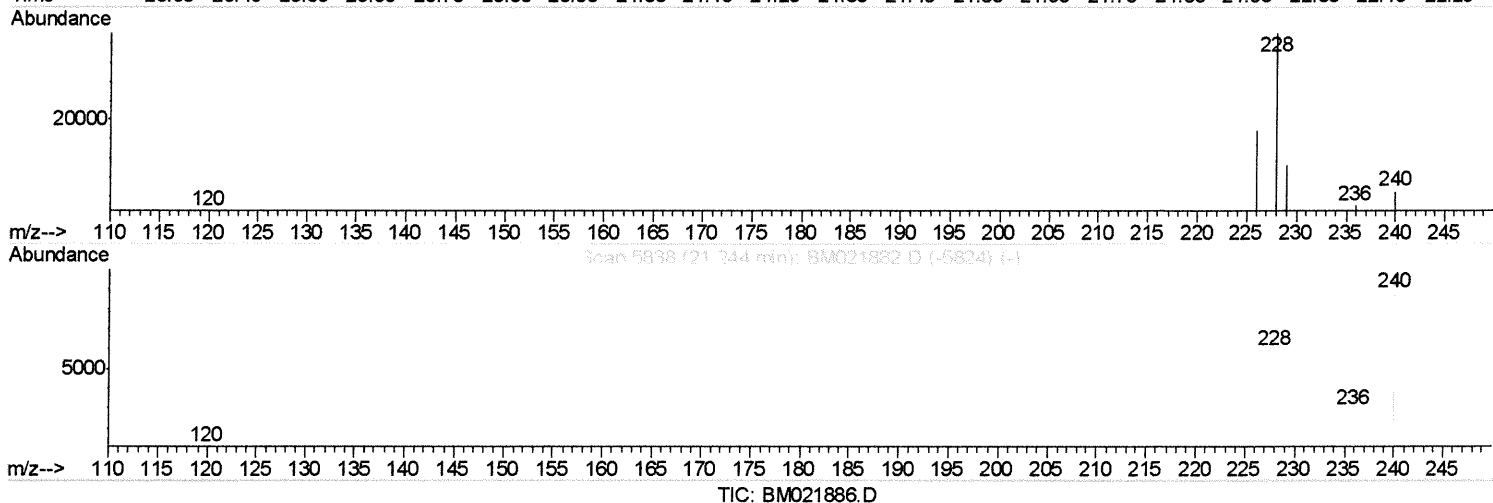
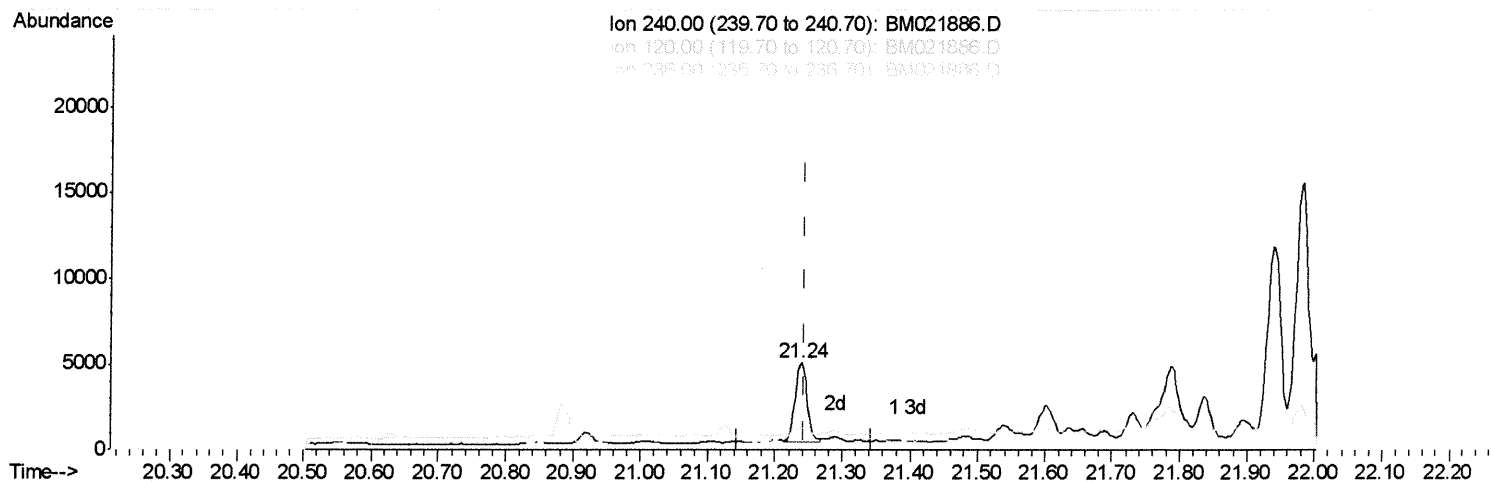
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080619\  
Data File : BM021886.D  
Acq On : 07 Aug 2019 08:39  
Operator : HP/JU  
Sample : K3893-05  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
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Manual Integrations  
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(16) Chrysene-d12 (I)

21.239min (-0.005) 0.40ng/ul m

response 5751

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 240.00 | 100   | 100    |
| 120.00 | 16.20 | 24.96# |
| 236.00 | 32.30 | 42.93# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

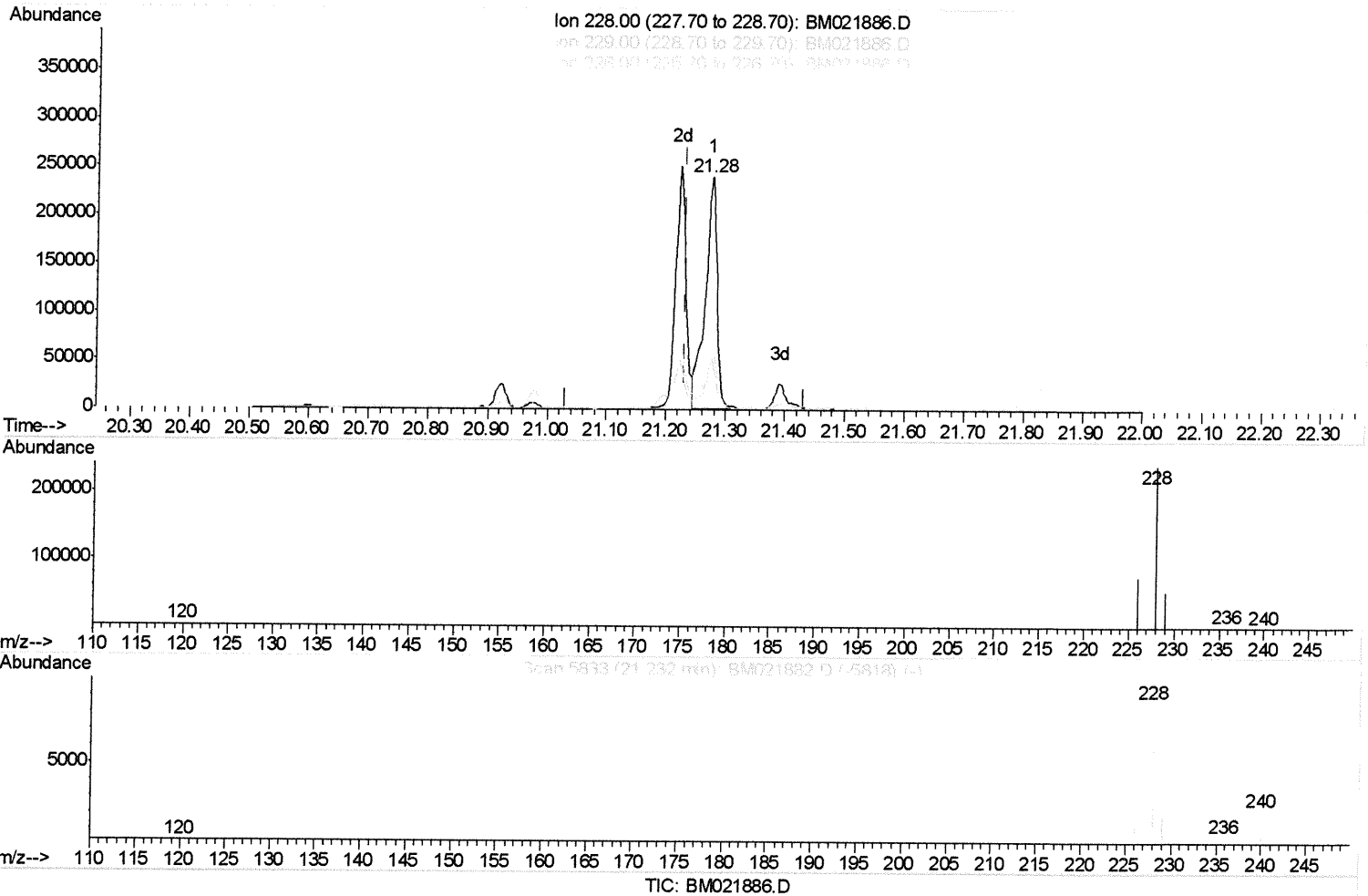
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080619\  
 Data File : BM021886.D  
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mohammad  
 8/7/2019 12:14:01 PM

Quant Time: Aug 07 11:43:52 2019  
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(18) Benzo(a)anthracene  
 21.275min (+0.043) 16.52ng/ul  
 response 339853

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 229.00 | 21.50 | 21.91 |
| 226.00 | 28.30 | 30.75 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

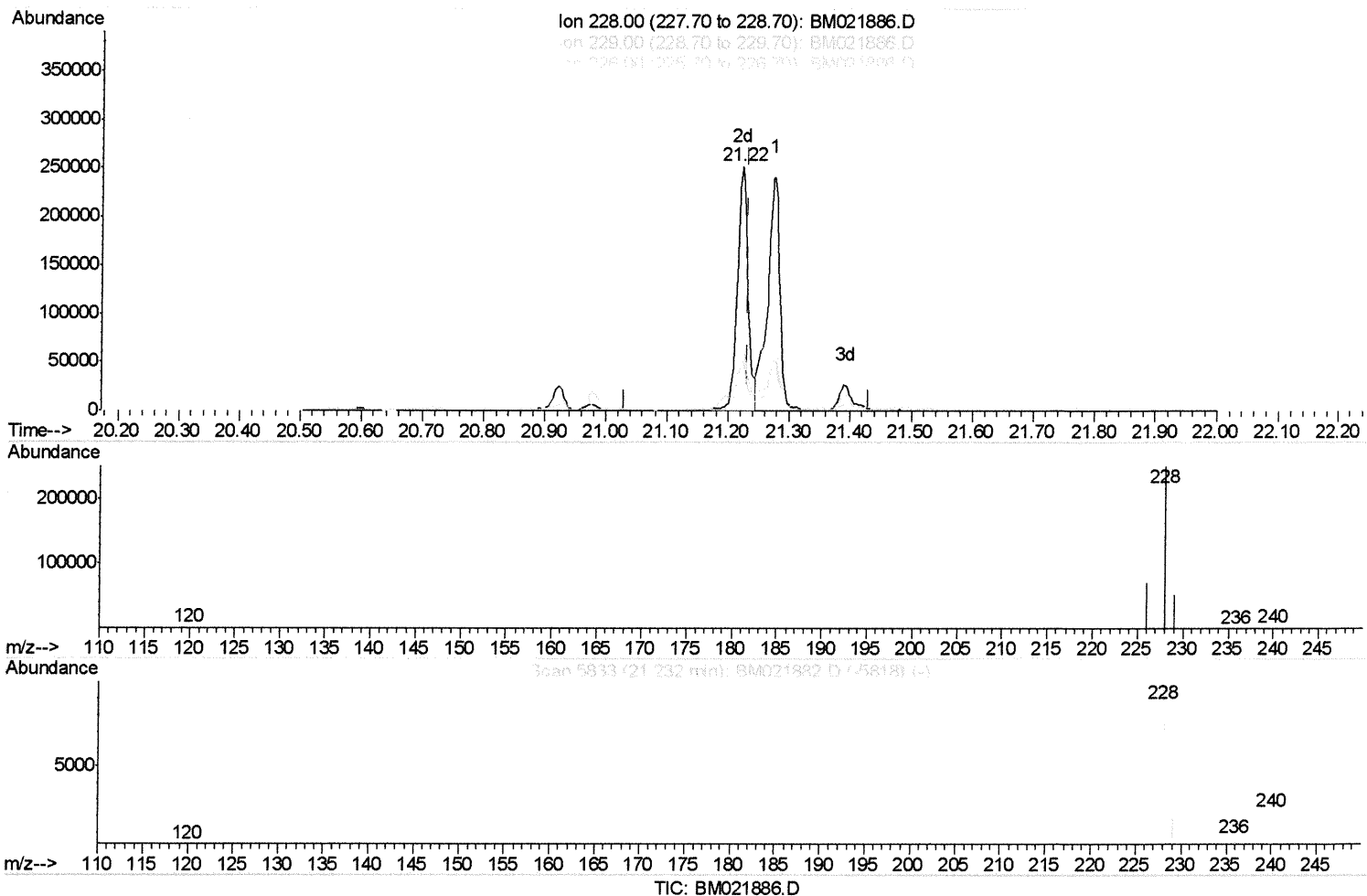
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080619\  
Data File : BM021886.D  
Acq On : 07 Aug 2019 08:39  
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(18) Benzo(a)anthracene

21.222min (-0.010) 14.59ng/ul m

JU  
JU 08/07/19

response 300133

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 229.00 | 21.50 | 20.62 |
| 226.00 | 28.30 | 28.59 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

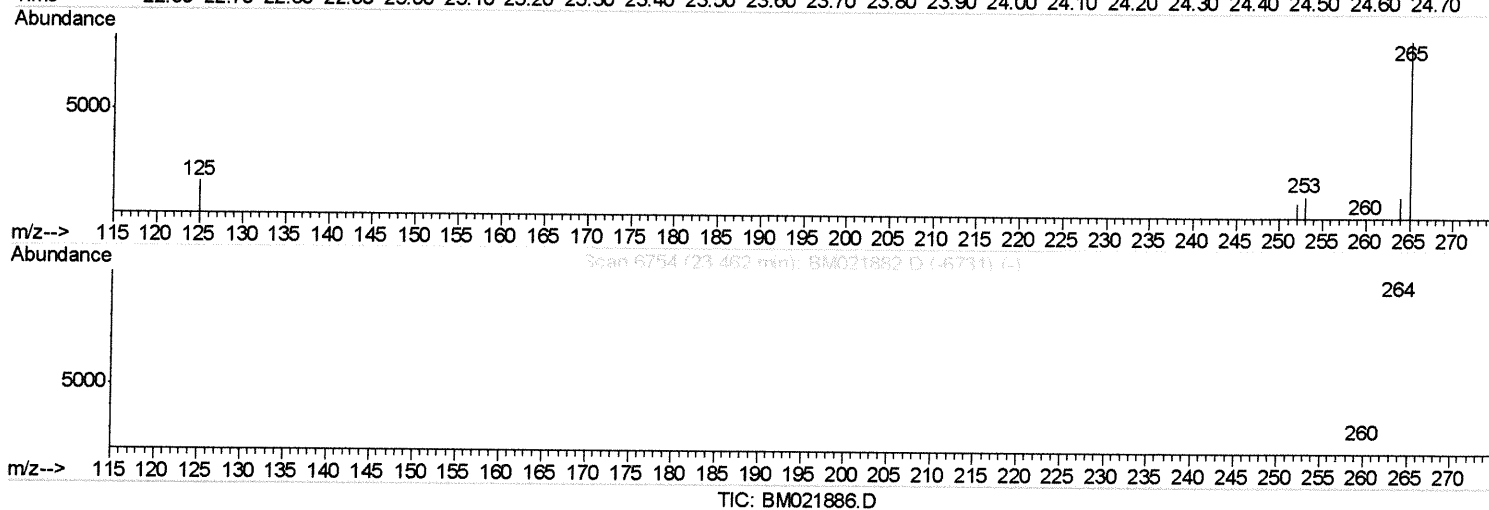
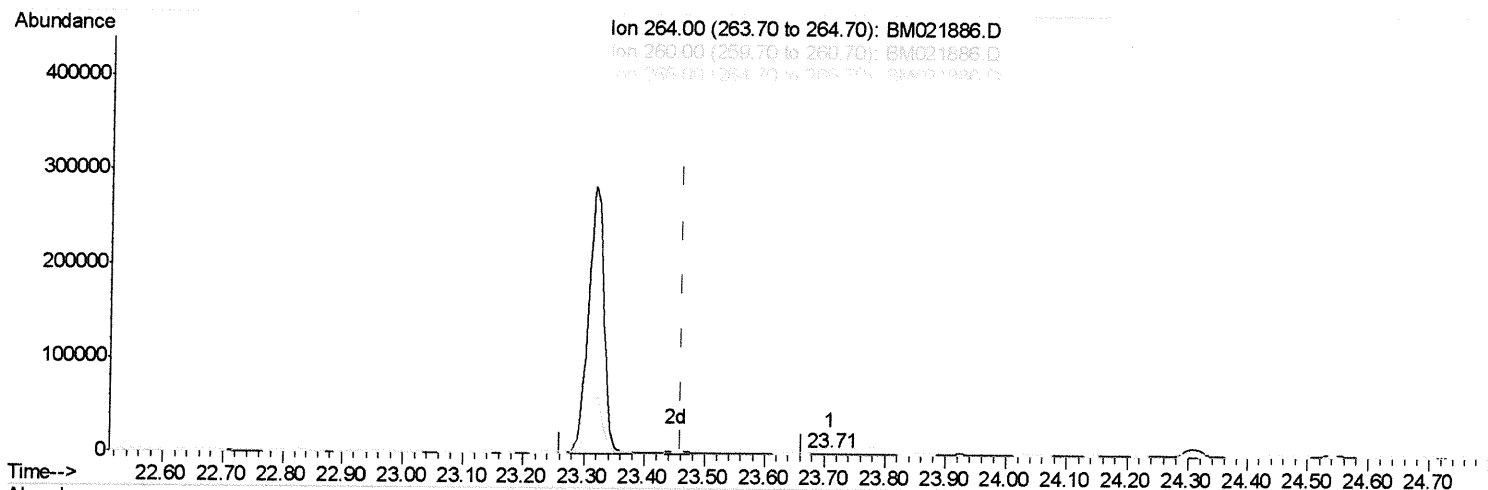
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080619\  
Data File : BM021886.D  
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Operator : HP/JU  
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Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP11

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:14:01 PM

Quant Time: Aug 07 11:43:52 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 07 08:28:11 2019  
Response via : Initial Calibration



(20) Perylene-d12 (I)

23.709min (+0.247) 0.40ng/ul

response 4717

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 264.00 | 100    | 100     |
| 260.00 | 27.50  | 35.09#  |
| 265.00 | 117.00 | 595.68# |
| 0.00   | 0.00   | 0.00    |

# Quantitation Report (Qedit)

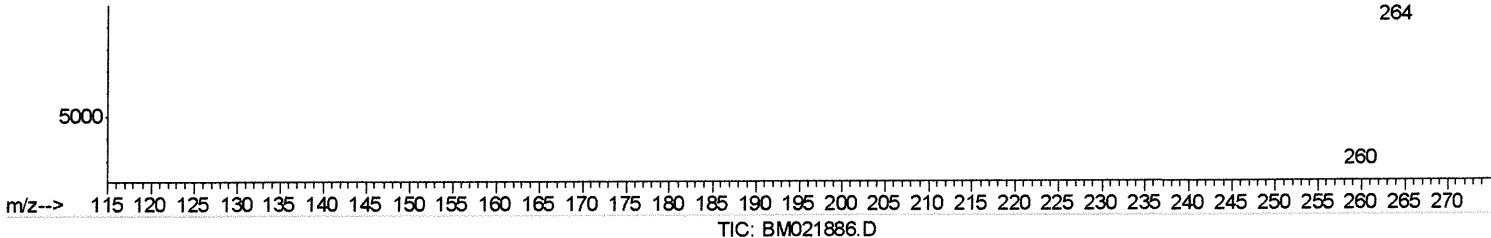
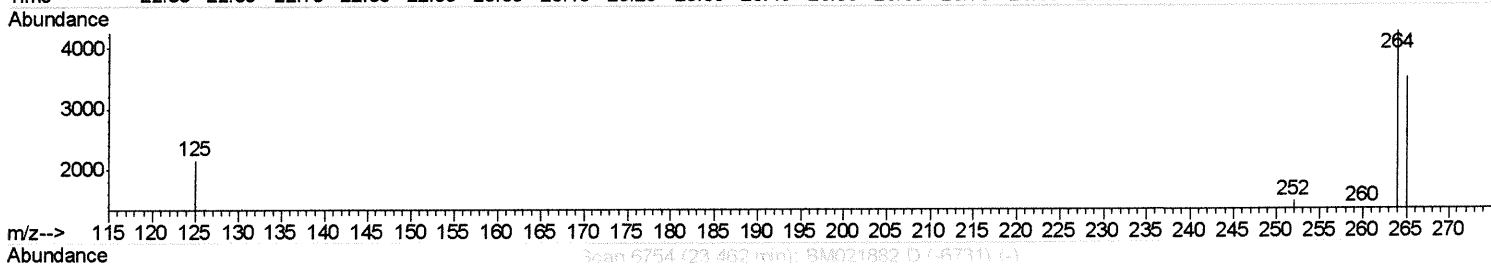
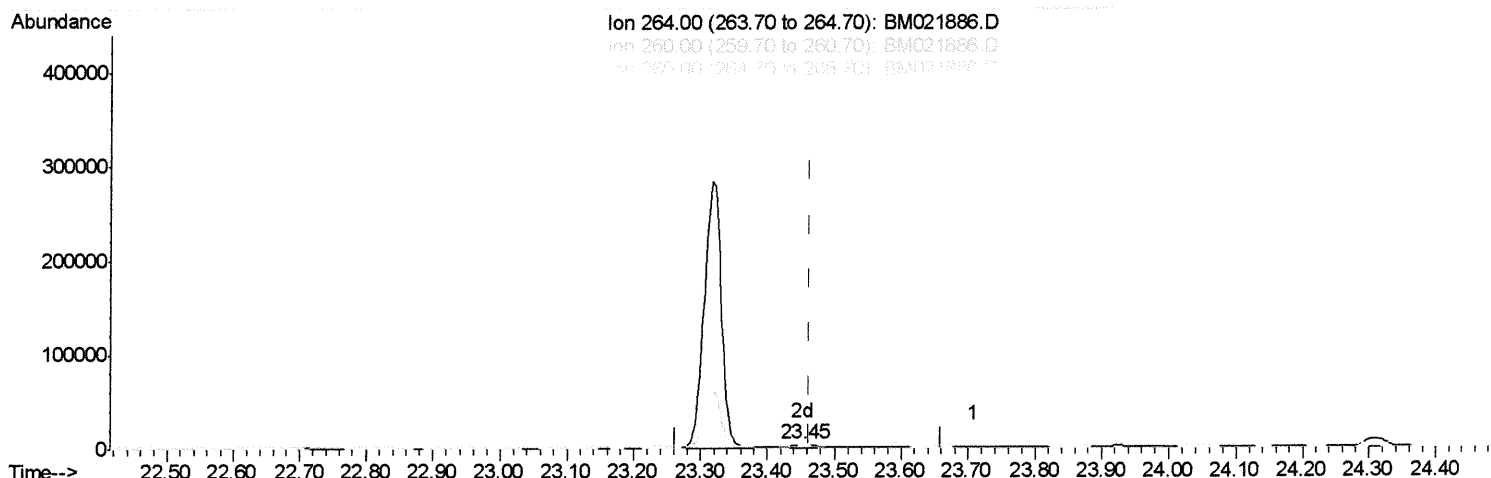
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080619\  
 Data File : BM021886.D  
 Acq On : 07 Aug 2019 08:39  
 Operator : HP/JU  
 Sample : K3893-05  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BEP11

Manual Integrations  
 APPROVED

mohammad  
 8/7/2019 12:14:01 PM

Quant Time: Aug 07 11:43:52 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 07 08:28:11 2019  
 Response via : Initial Calibration



(20) Perylene-d12 (I)

23.452min (-0.010) 0.40ng/ul m

Ju  
 08/07/19

response 5947

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 27.50  | 31.69  |
| 265.00 | 117.00 | 82.17# |
| 0.00   | 0.00   | 0.00   |

## Quantitation Report (Qedit)

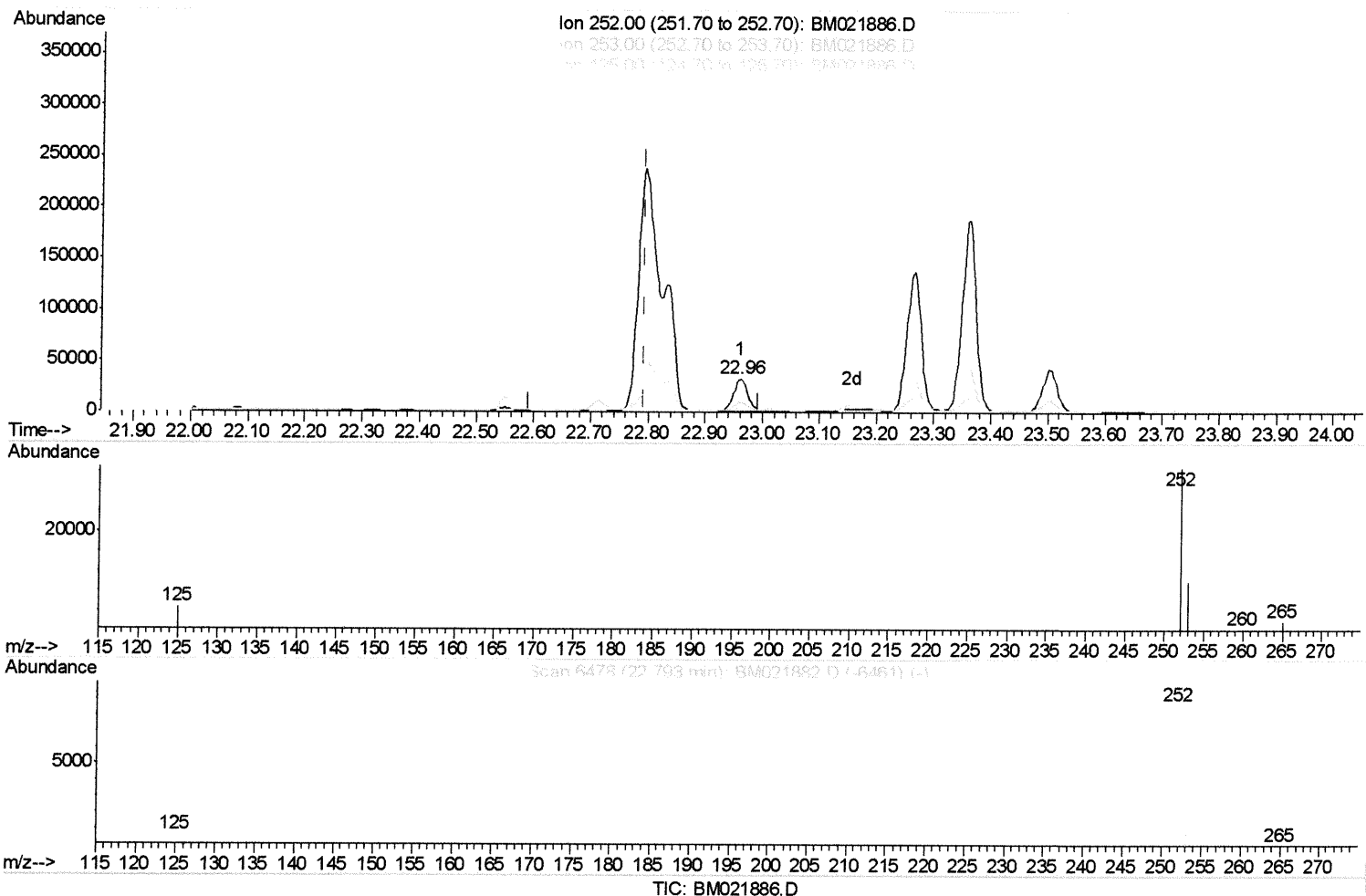
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080619\  
Data File : BM021886.D  
Acq On : 07 Aug 2019 08:39  
Operator : HP/JU  
Sample : K3893-05  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP11

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:14:01 PM

Quant Time: Aug 07 11:44:53 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 07 08:28:11 2019  
Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.960min (+0.167) 2.79ng/ul

response 55934

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 33.70 | 30.60 |
| 125.00 | 15.50 | 14.22 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

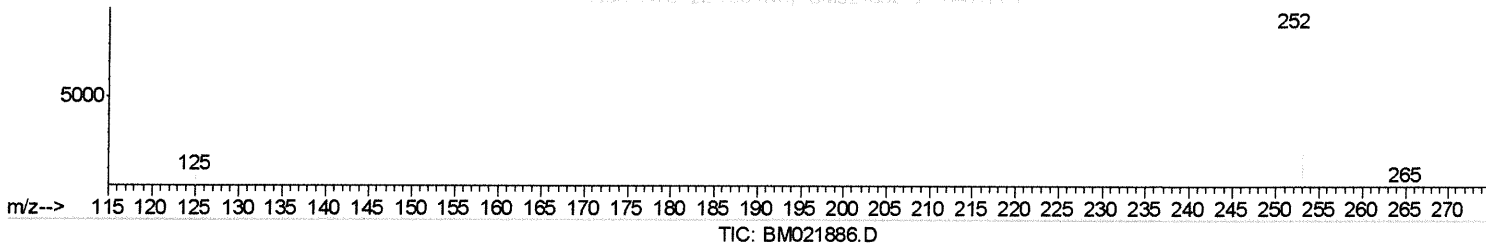
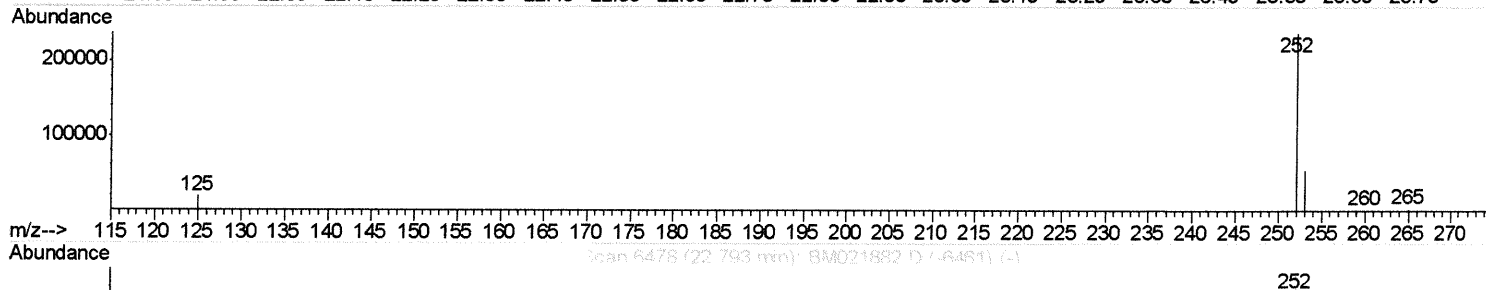
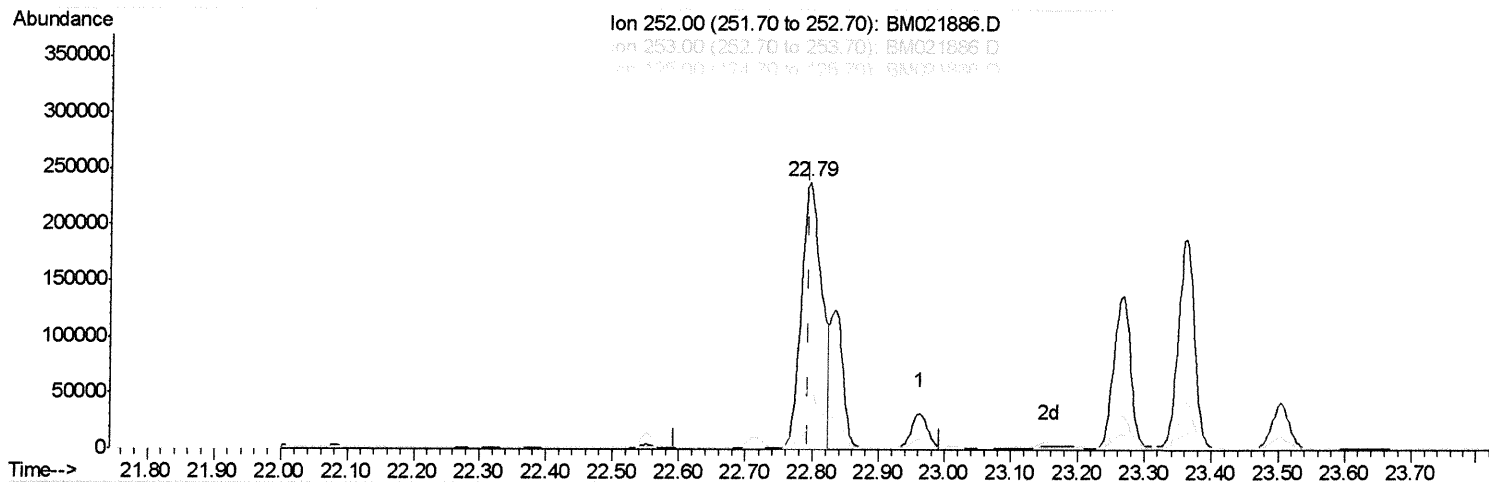
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080619\  
Data File : BM021886.D  
Acq On : 07 Aug 2019 08:39  
Operator : HP/JU  
Sample : K3893-05  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP11

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:14:01 PM

Quant Time: Aug 07 11:44:53 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 07 08:28:11 2019  
Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.793min (-0.000) 25.39ng/ul m

JU  
08/07/19

response 509102

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 33.70 | 22.72 |
| 125.00 | 15.50 | 7.54  |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

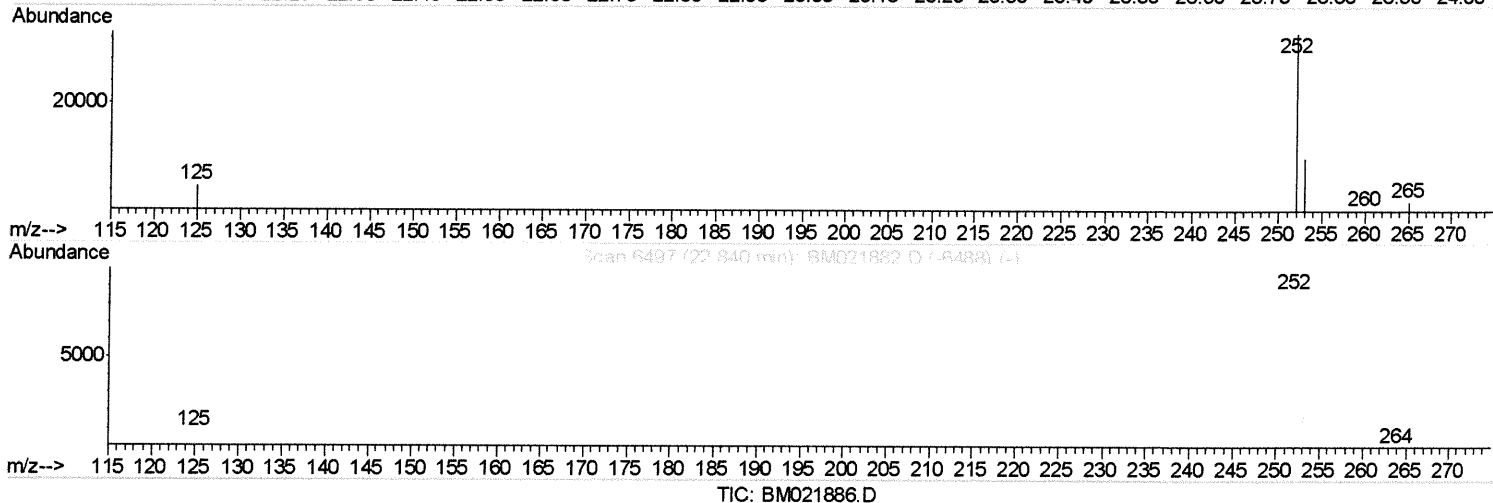
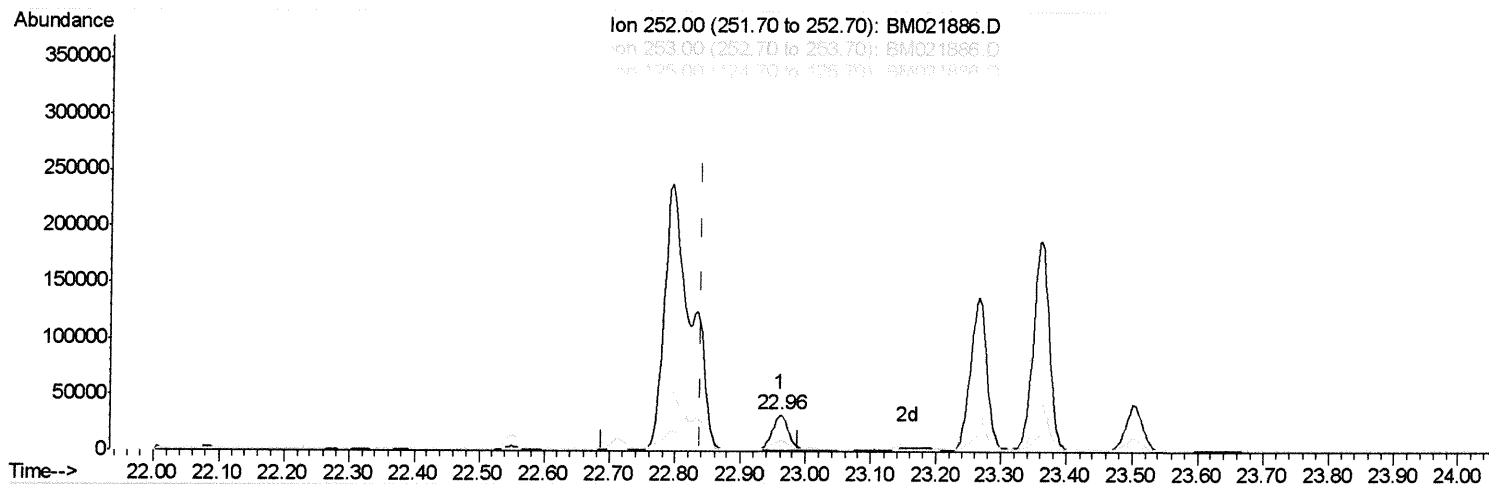
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080619\  
Data File : BM021886.D  
Acq On : 07 Aug 2019 08:39  
Operator : HP/JU  
Sample : K3893-05  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP11

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:14:01 PM

Quant Time: Aug 07 11:44:53 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 07 08:28:11 2019  
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.960min (+0.121) 2.43ng/ul

response 55082

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 33.70 | 30.60 |
| 125.00 | 15.20 | 14.22 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

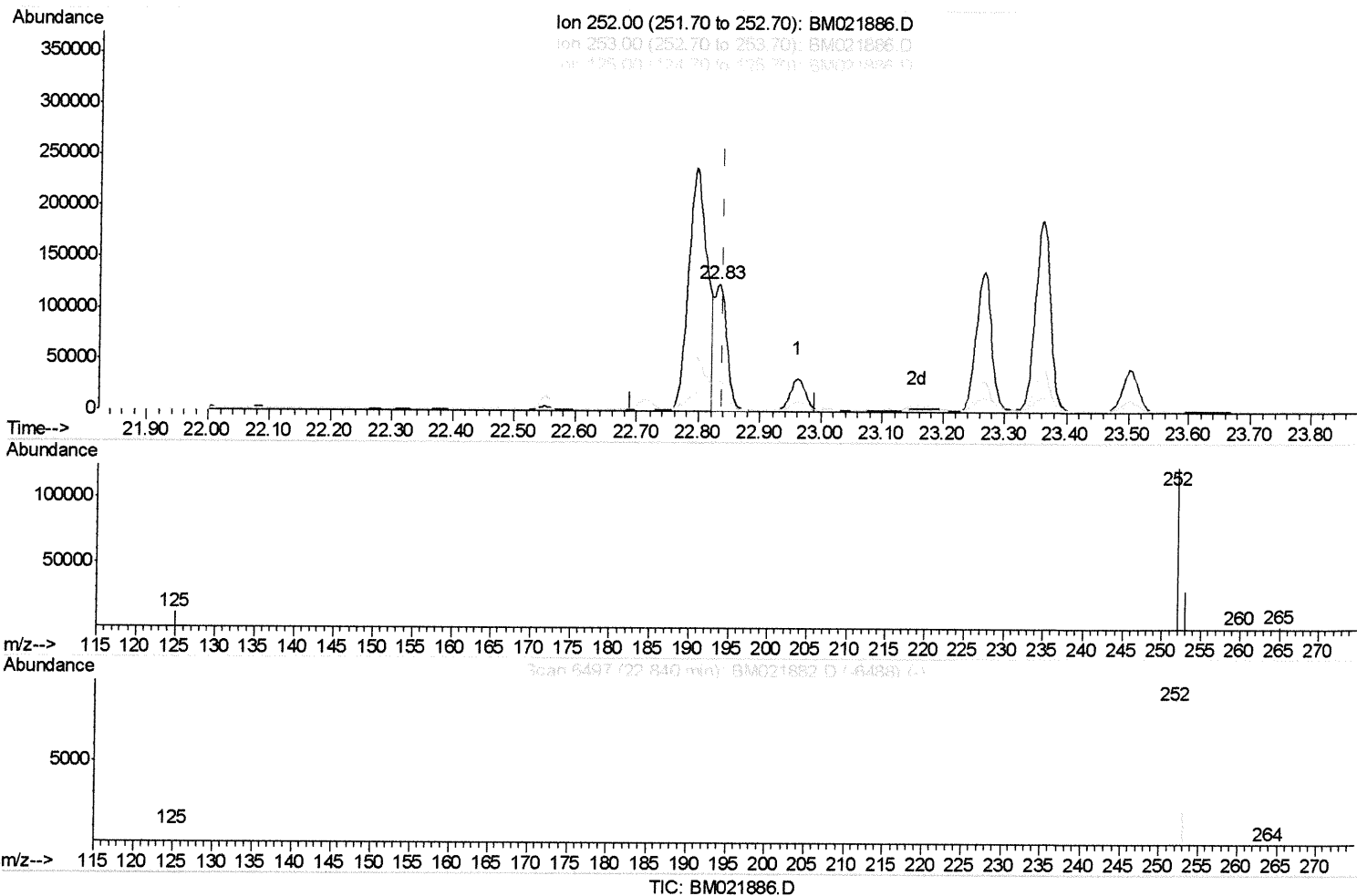
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080619\  
 Data File : BM021886.D  
 Acq On : 07 Aug 2019 08:39  
 Operator : HP/JU  
 Sample : K3893-05  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BEP11

Manual Integrations  
 APPROVED

mohammad  
 8/7/2019 12:14:01 PM

Quant Time: Aug 07 11:44:53 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 07 08:28:11 2019  
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.832min (-0.007) 8.31ng/ul m

JU  
 08/07/19

response 188598

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 33.70 | 23.73# |
| 125.00 | 15.20 | 8.89#  |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

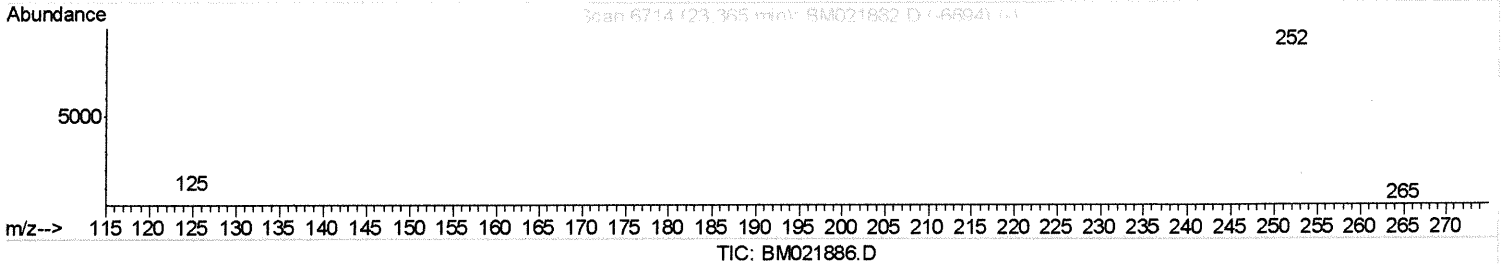
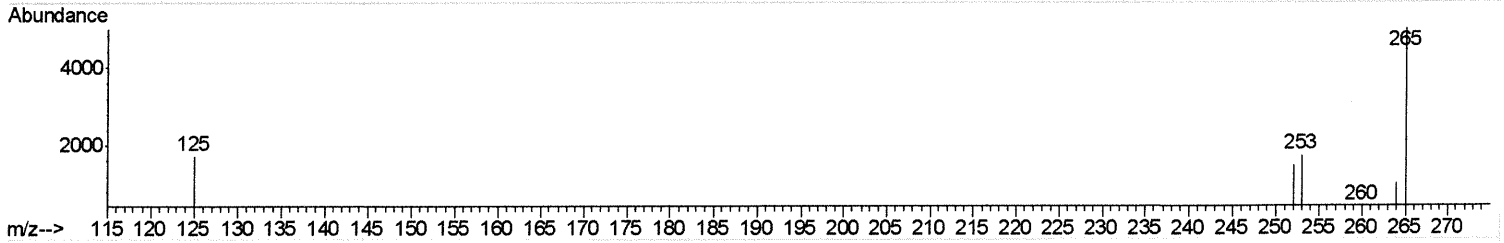
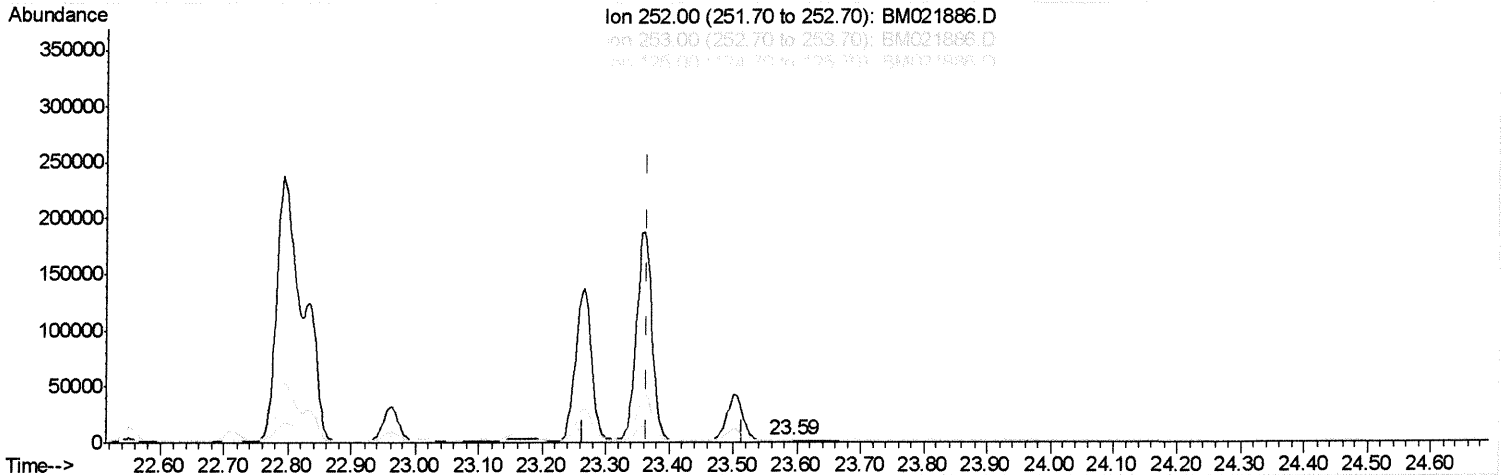
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080619\  
 Data File : BM021886.D  
 Acq On : 07 Aug 2019 08:39  
 Operator : HP/JU  
 Sample : K3893-05  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BEP11

Manual Integrations  
 APPROVED

mohammad  
 8/7/2019 12:14:01 PM

Quant Time: Aug 07 11:44:53 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 07 08:28:11 2019  
 Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

23.593min (+0.228) 0.08ng/ul

response 1622

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 252.00 | 100   | 100     |
| 253.00 | 39.60 | 118.29# |
| 125.00 | 18.20 | 117.82# |
| 0.00   | 0.00  | 0.00    |

## Quantitation Report (Qedit)

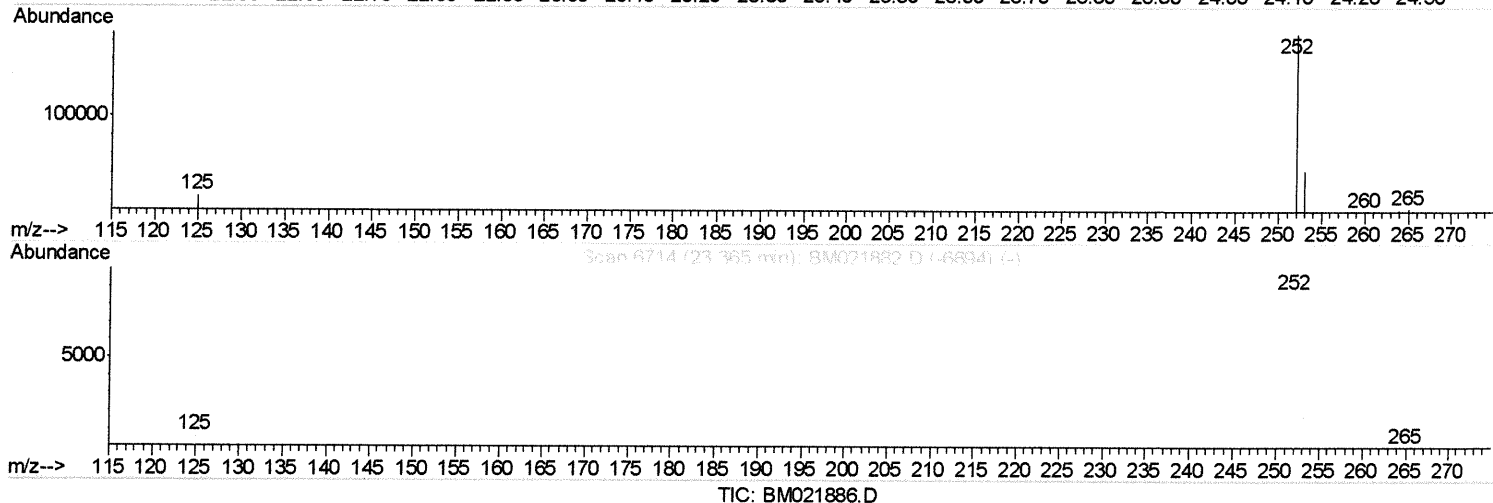
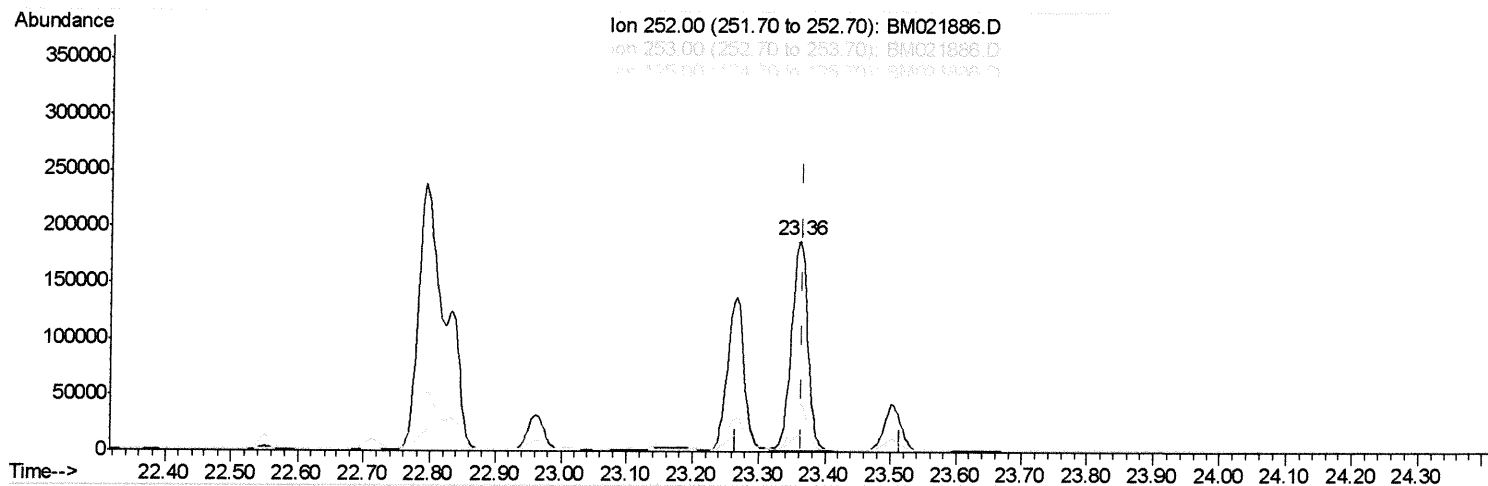
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080619\  
Data File : BM021886.D  
Acq On : 07 Aug 2019 08:39  
Operator : HP/JU  
Sample : K3893-05  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP11

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:14:01 PM

Quant Time: Aug 07 11:44:53 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 07 08:28:11 2019  
Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

23.360min (-0.005) 15.61ng/ul m

JU  
08/07/19

response 318280

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 39.60 | 23.11# |
| 125.00 | 18.20 | 8.07#  |
| 0.00   | 0.00  | 0.00   |

## Quantitation Report (Qedit)

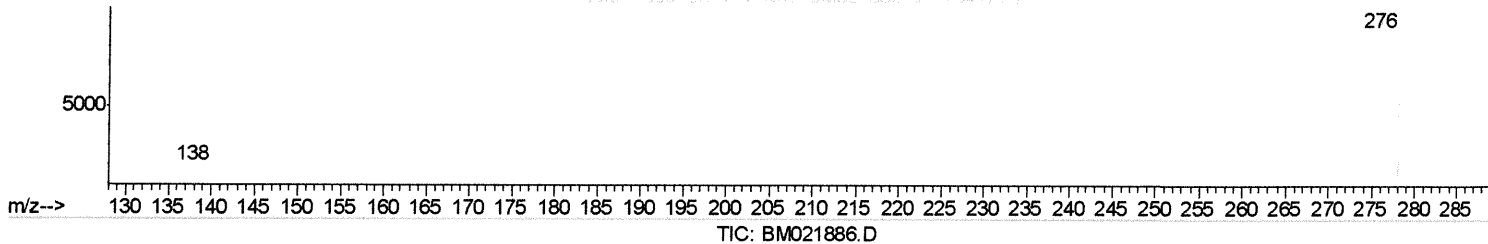
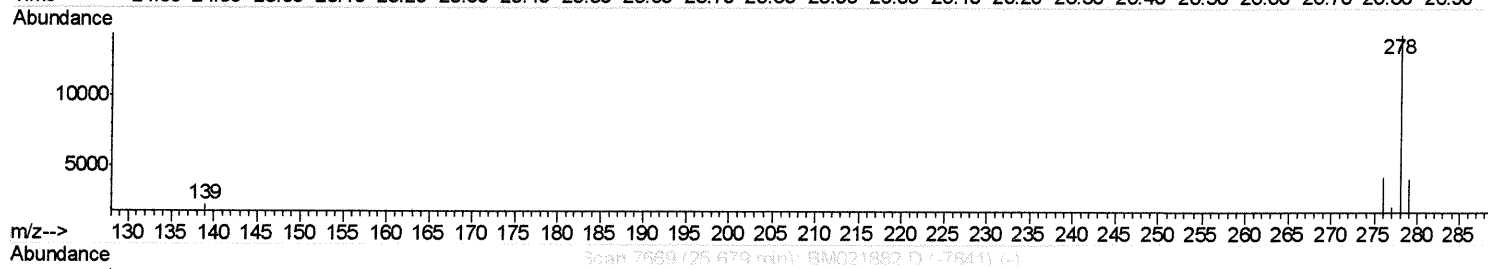
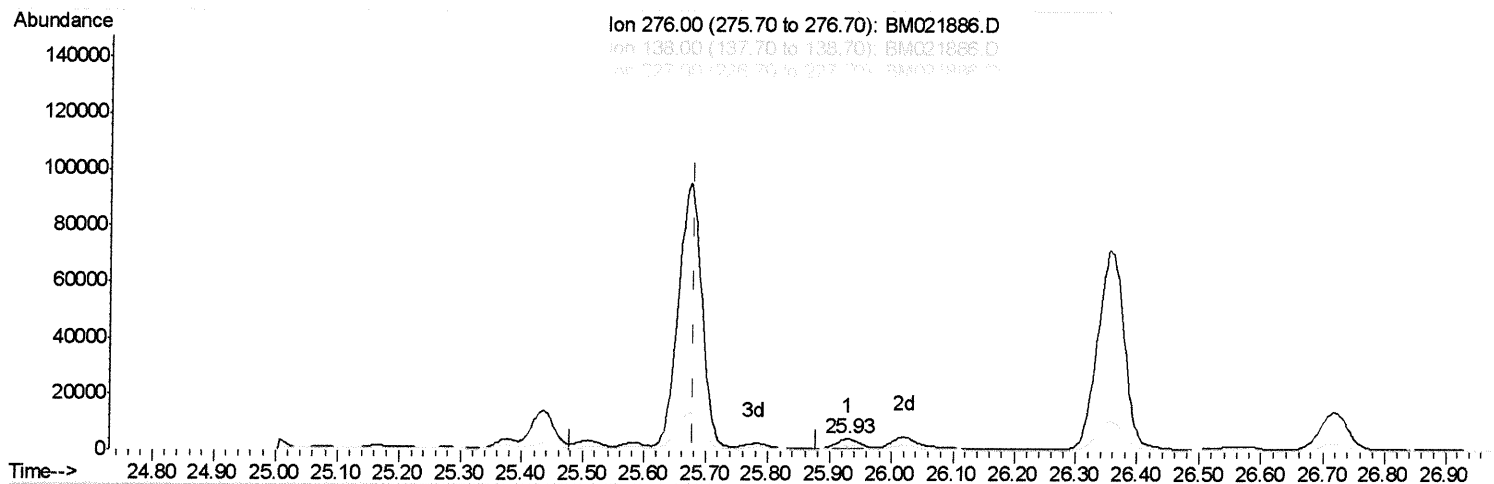
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080619\  
Data File : BM021886.D  
Acq On : 07 Aug 2019 08:39  
Operator : HP/JU  
Sample : K3893-05  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampled :  
BEP11

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:14:01 PM

Quant Time: Aug 07 11:44:53 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 07 08:28:11 2019  
Response via : Initial Calibration



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

25.928min (+0.249) 0.40ng/ul

response 9808

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 18.90 | 35.81# |
| 227.00 | 0.00  | 0.00   |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

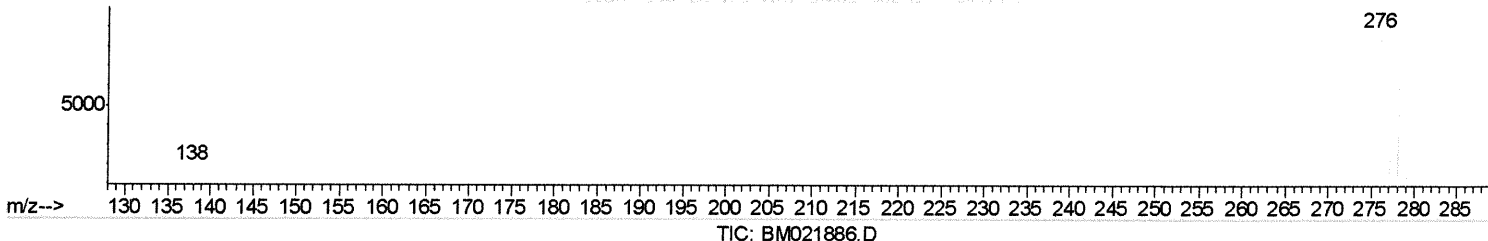
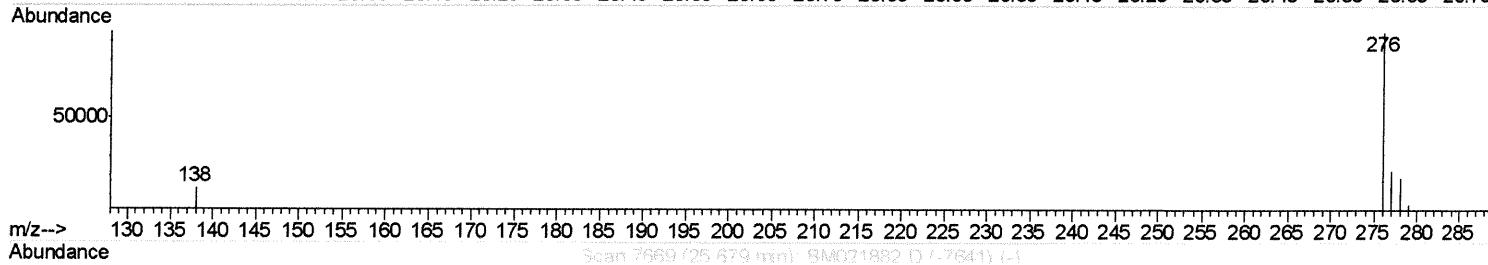
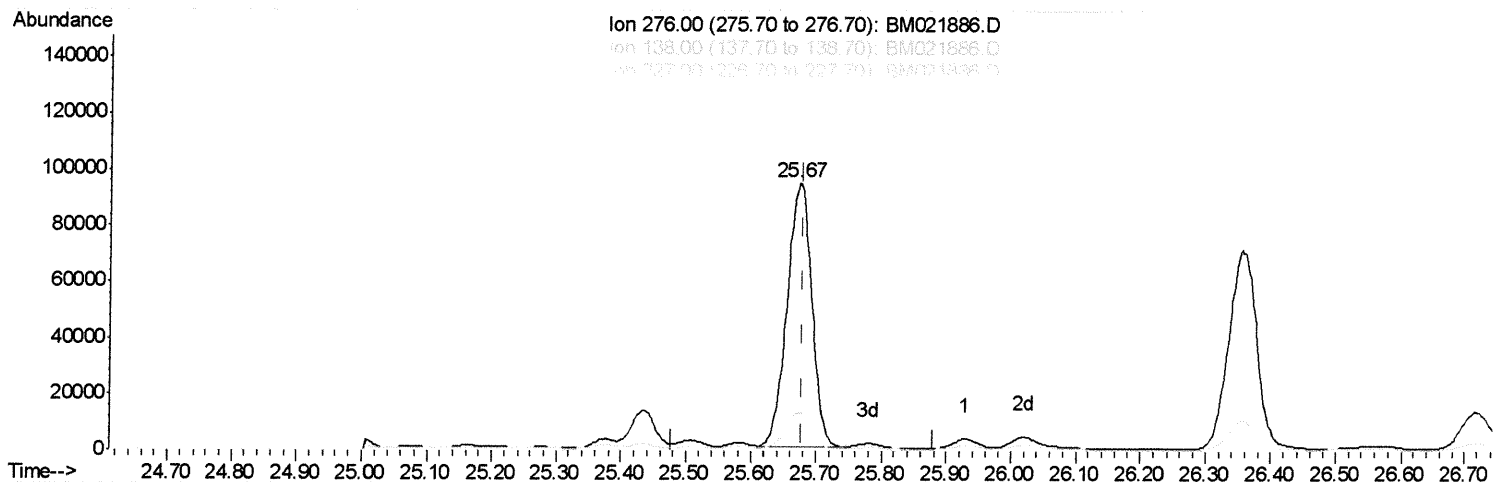
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080619\  
 Data File : BM021886.D  
 Acq On : 07 Aug 2019 08:39  
 Operator : HP/JU  
 Sample : K3893-05  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BEP11

Manual Integrations  
 APPROVED

mohammad  
 8/7/2019 12:14:01 PM

Quant Time: Aug 07 11:44:53 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 07 08:28:11 2019  
 Response via : Initial Calibration



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

25.672min (-0.007) 10.22ng/ul m

JU  
 08/07/19

response 248818

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 18.90 | 1.41# |
| 227.00 | 0.00  | 0.00  |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

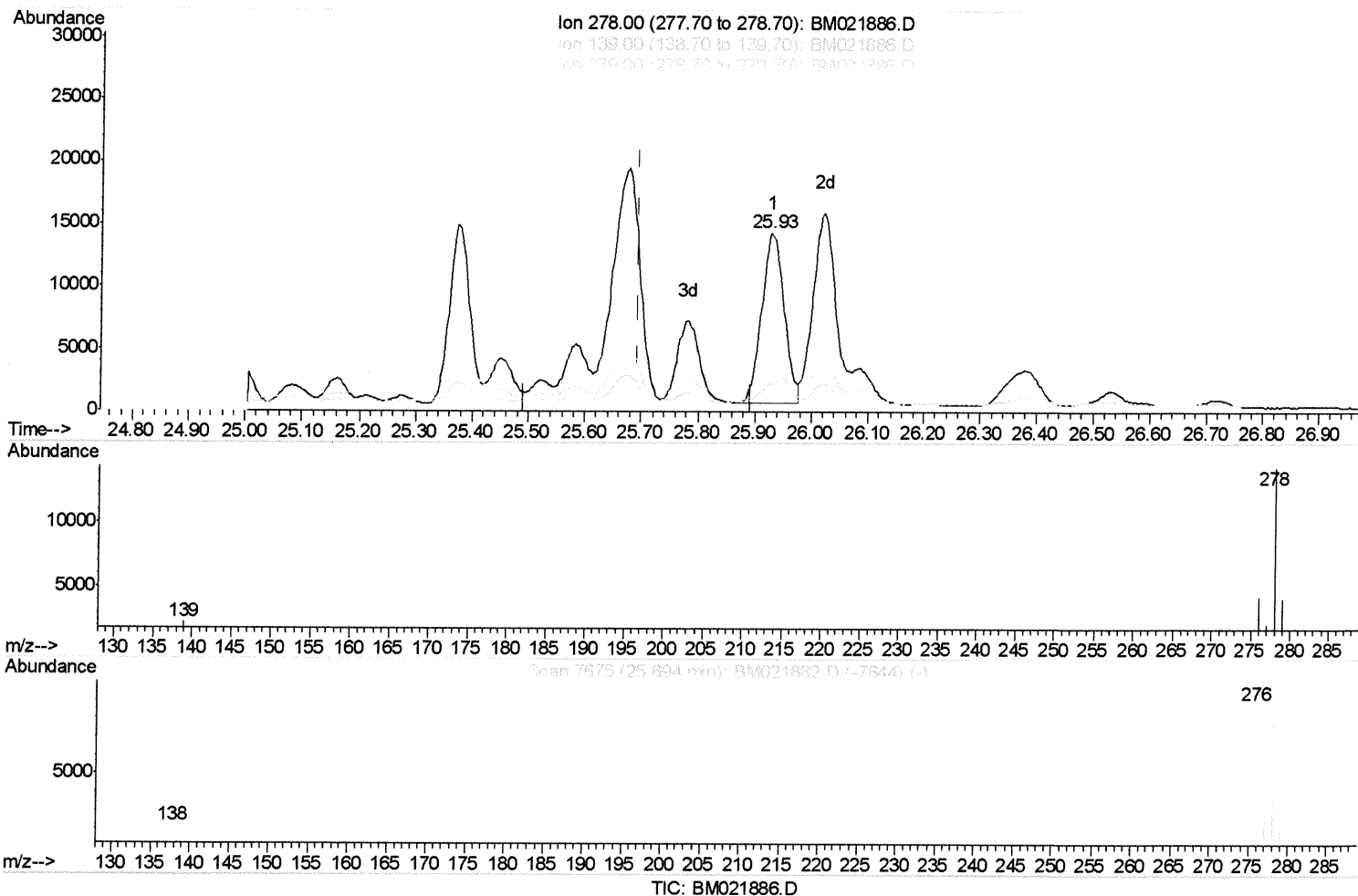
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080619\  
Data File : BM021886.D  
Acq On : 07 Aug 2019 08:39  
Operator : HP/JU  
Sample : K3893-05  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP11

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:14:01 PM

Quant Time: Aug 07 11:44:53 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 07 08:28:11 2019  
Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

25.928min (+0.235) 1.91ng/ul

response 37641

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 278.00 | 100   | 100   |
| 139.00 | 17.70 | 15.71 |
| 279.00 | 35.40 | 29.30 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

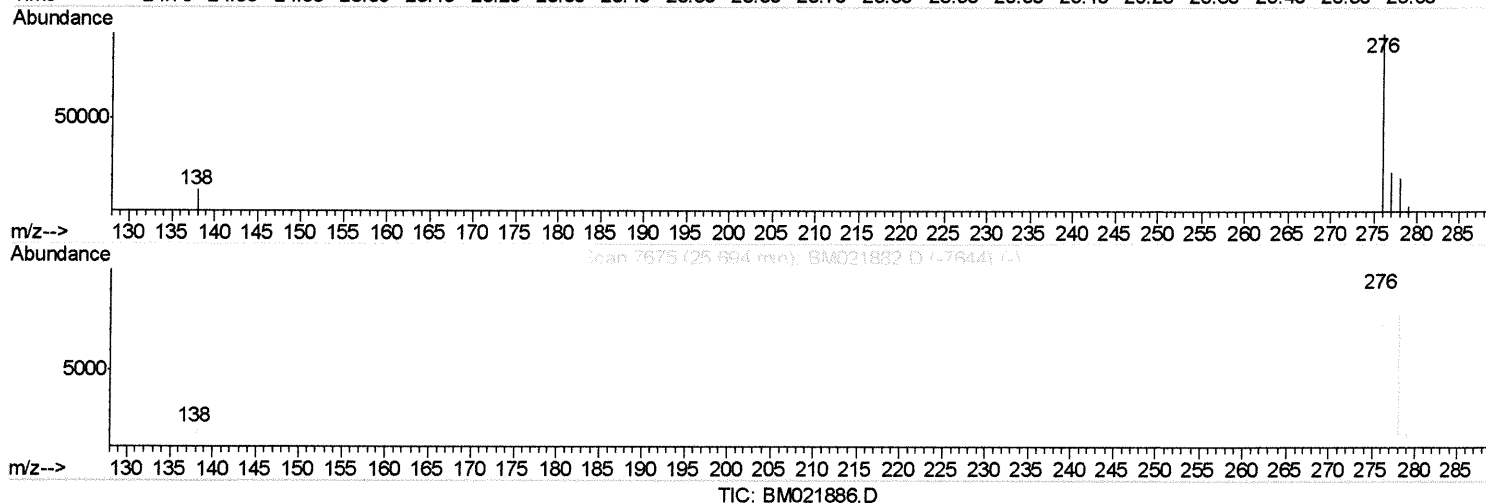
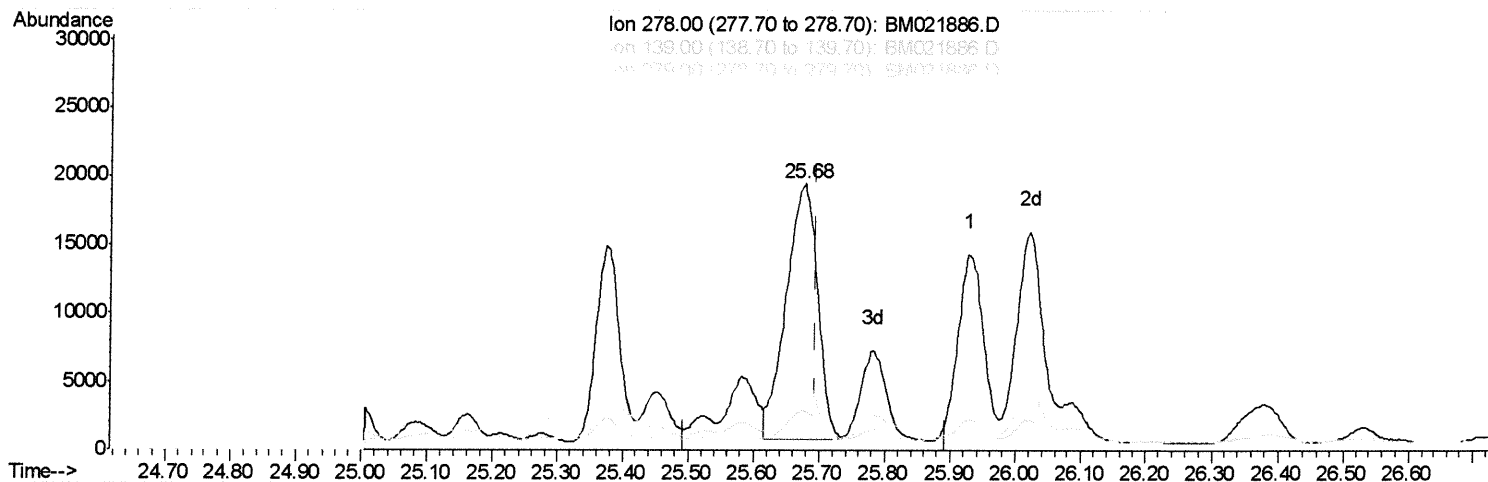
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080619\  
 Data File : BM021886.D  
 Acq On : 07 Aug 2019 08:39  
 Operator : HP/JU  
 Sample : K3893-05  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BEP11

Manual Integrations  
 APPROVED

mohammad  
 8/7/2019 12:14:01 PM

Quant Time: Aug 07 11:44:53 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 07 08:28:11 2019  
 Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

25.676min (-0.017) 3.14ng/ul m

JU  
 08/07/19

response 61880

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 278.00 | 100   | 100   |
| 139.00 | 17.70 | 15.21 |
| 279.00 | 35.40 | 28.59 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

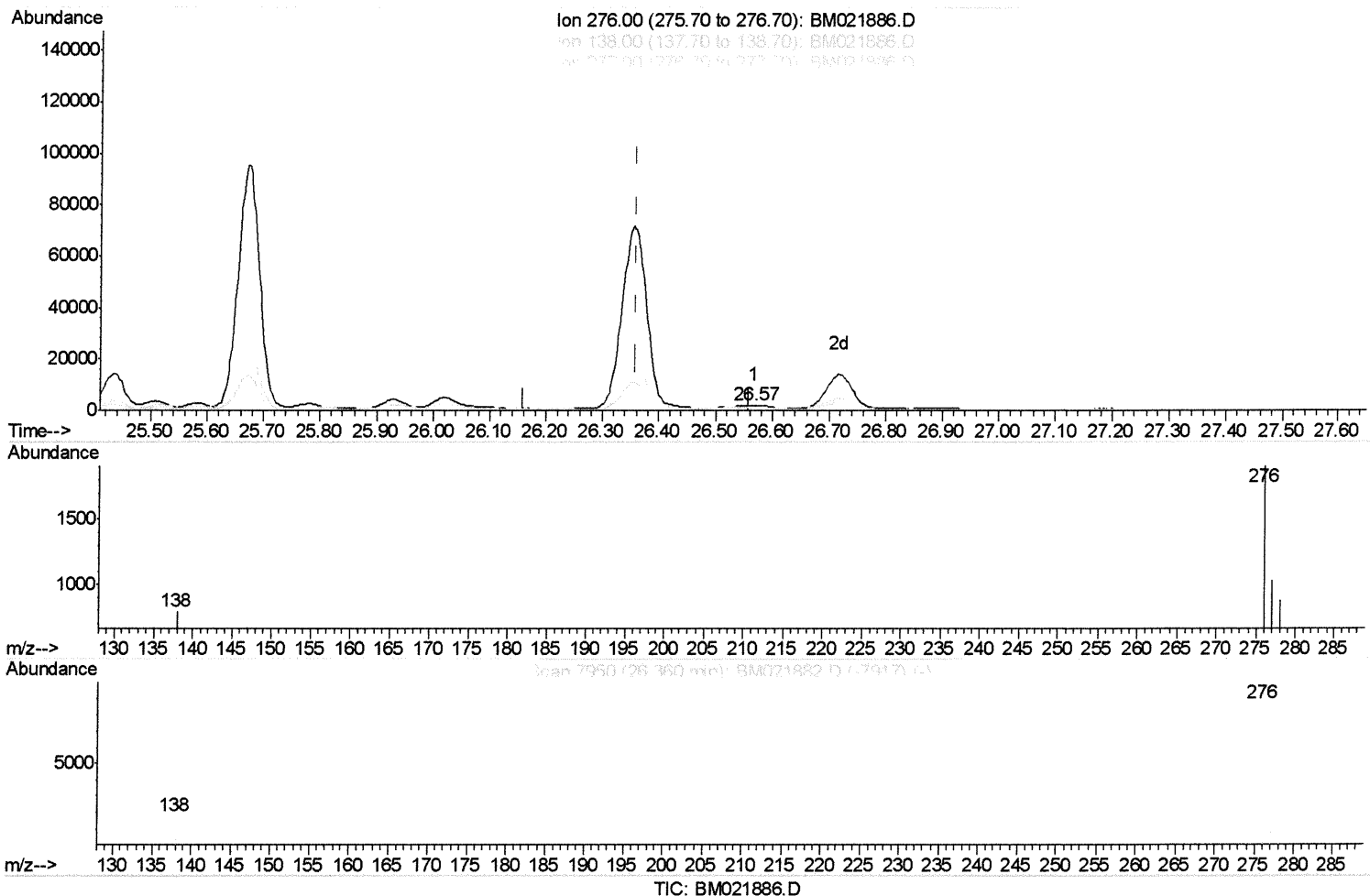
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080619\  
Data File : BM021886.D  
Acq On : 07 Aug 2019 08:39  
Operator : HP/JU  
Sample : K3893-05  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP11

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:14:01 PM

Quant Time: Aug 07 11:44:53 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 07 08:28:11 2019  
Response via : Initial Calibration



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

26.568min (+0.208) 0.18ng/ul

response 3985

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 19.40 | 41.39# |
| 277.00 | 26.80 | 54.11# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

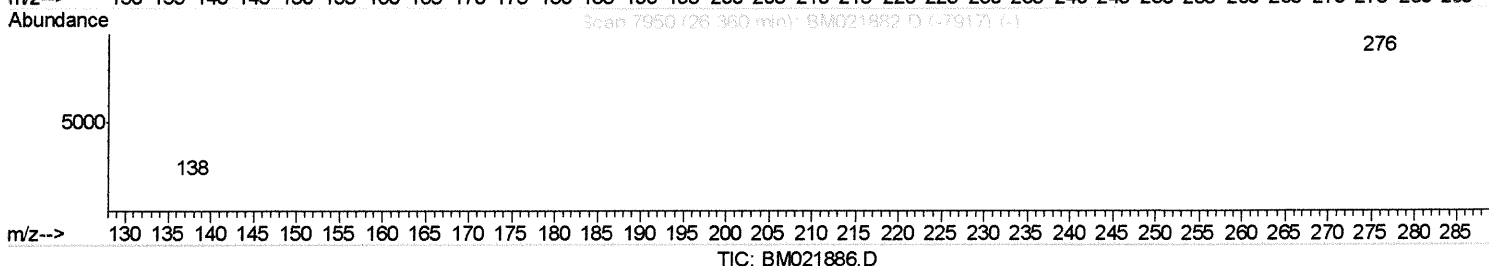
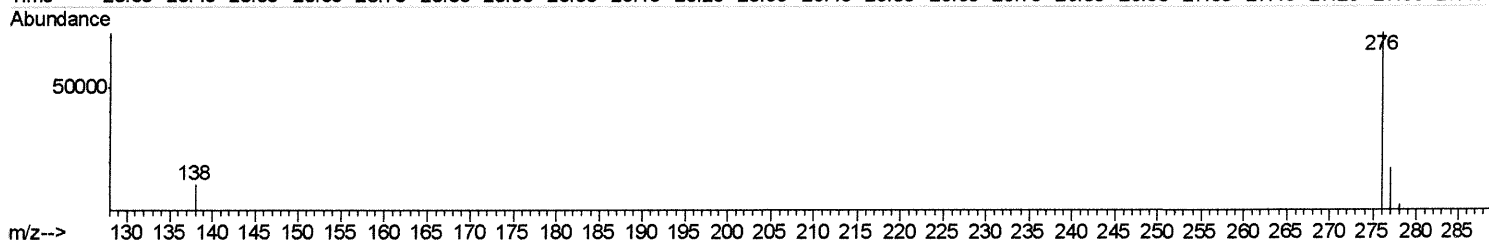
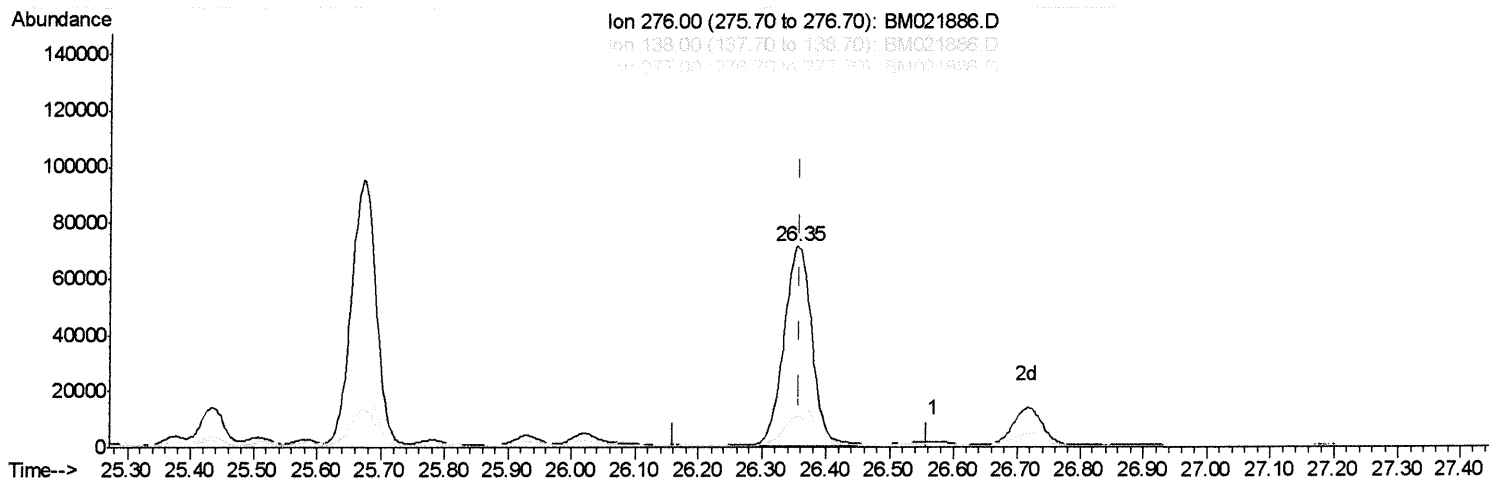
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080619\  
 Data File : BM021886.D  
 Acq On : 07 Aug 2019 08:39  
 Operator : HP/JU  
 Sample : K3893-05  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BEP11

Manual Integrations  
 APPROVED

mohammad  
 8/7/2019 12:14:01 PM

Quant Time: Aug 07 11:44:53 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 07 08:28:11 2019  
 Response via : Initial Calibration



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

26.355min (-0.005) 9.87ng/ul m

508/07/19

response 216392

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 19.40 | 15.20# |
| 277.00 | 26.80 | 24.49  |
| 0.00   | 0.00  | 0.00   |

## Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080619\  
 Data File : BM021886.D  
 Acq On : 07 Aug 2019 08:39  
 Operator : HP/JU  
 Sample : K3893-05  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BEP11

Manual Integrations  
 APPROVED

mohammad  
 8/7/2019 12:14:01 PM

Quant Time: Aug 07 11:47:51 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 07 08:28:11 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response  | Conc   | Units   | Dev(Min)          |
|-----------------------------|-------|------|-----------|--------|---------|-------------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.63  | 152  | 952       | 0.40   | ng/ul   | 0.00              |
| 2) Naphthalene-d8           | 10.40 | 136  | 4025      | 0.40   | ng/ul   | -0.02             |
| 6) Acenaphthene-d10         | 14.28 | 164  | 2370      | 0.40   | ng/ul   | 0.00              |
| 10) Phenanthrene-d10        | 17.03 | 188  | 5919m →   | 0.40   | ng/ul → | -0.02 JU          |
| 16) Chrysene-d12            | 21.24 | 240  | 5751m →   | 0.40   | ng/ul → | 0.00 08/07/19     |
| 20) Perylene-d12            | 23.45 | 264  | 5947m →   | 0.40   | ng/ul → | 0.00              |
| System Monitoring Compounds |       |      |           |        |         |                   |
| 4) 2-Methylnaphthalene-d10  | 12.00 | 152  | 1870      | 0.28   | ng/ul   | -0.02             |
| 14) Fluoranthene-d10        | 19.07 | 212  | 6265m →   | 0.31   | ng/ul → | -0.01 JU 08/07/19 |
| Target Compounds            |       |      |           |        |         |                   |
|                             |       |      |           |        | Qvalue  |                   |
| 3) Naphthalene              | 10.45 | 128  | 2775      | 0.244  | ng/ul   | 99                |
| 5) 2-Methylnaphthalene      | 12.08 | 142  | 1459      | 0.193  | ng/ul   | 98                |
| 7) Acenaphthylene           | 14.00 | 152  | 11009     | 0.996  | ng/ul#  | 82                |
| 8) Acenaphthene             | 14.34 | 153  | 6517      | 0.721  | ng/ul   | 97                |
| 9) Fluorene                 | 15.33 | 166  | 8049      | 0.801  | ng/ul   | 99                |
| 12) Phenanthrene            | 17.07 | 178  | 196533m → | 11.411 | ng/ul → | JU                |
| 13) Anthracene              | 17.17 | 178  | 37817m →  | 2.574  | ng/ul → | 08/07/19          |
| 15) Fluoranthene            | 19.10 | 202  | 621508m → | 26.940 | ng/ul → | JU                |
| 17) Pyrene                  | 19.47 | 202  | 542665    | 22.963 | ng/ul   | 96                |
| 18) Benzo(a)anthracene      | 21.22 | 228  | 300133m → | 14.590 | ng/ul → | JU 08/07/19       |
| 19) Chrysene                | 21.28 | 228  | 339853    | 12.846 | ng/ul   | 99                |
| 21) Benzo(b)fluoranthene    | 22.79 | 252  | 509102m → | 25.386 | ng/ul → | JU                |
| 22) Benzo(k)fluoranthene    | 22.83 | 252  | 188598m → | 8.310  | ng/ul → | 08/07/19          |
| 23) Benzo(a)pyrene          | 23.36 | 252  | 318280m → | 15.606 | ng/ul → | JU                |
| 24) Indeno(1,2,3-cd)pyrene  | 25.67 | 276  | 248818m → | 10.218 | ng/ul → | 08/07/19          |
| 25) Dibenzo(a,h)anthracene  | 25.68 | 278  | 61880m →  | 3.144  | ng/ul → | JU                |
| 26) Benzo(g,h,i)perylene    | 26.35 | 276  | 216392m → | 9.871  | ng/ul → | JU                |

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