

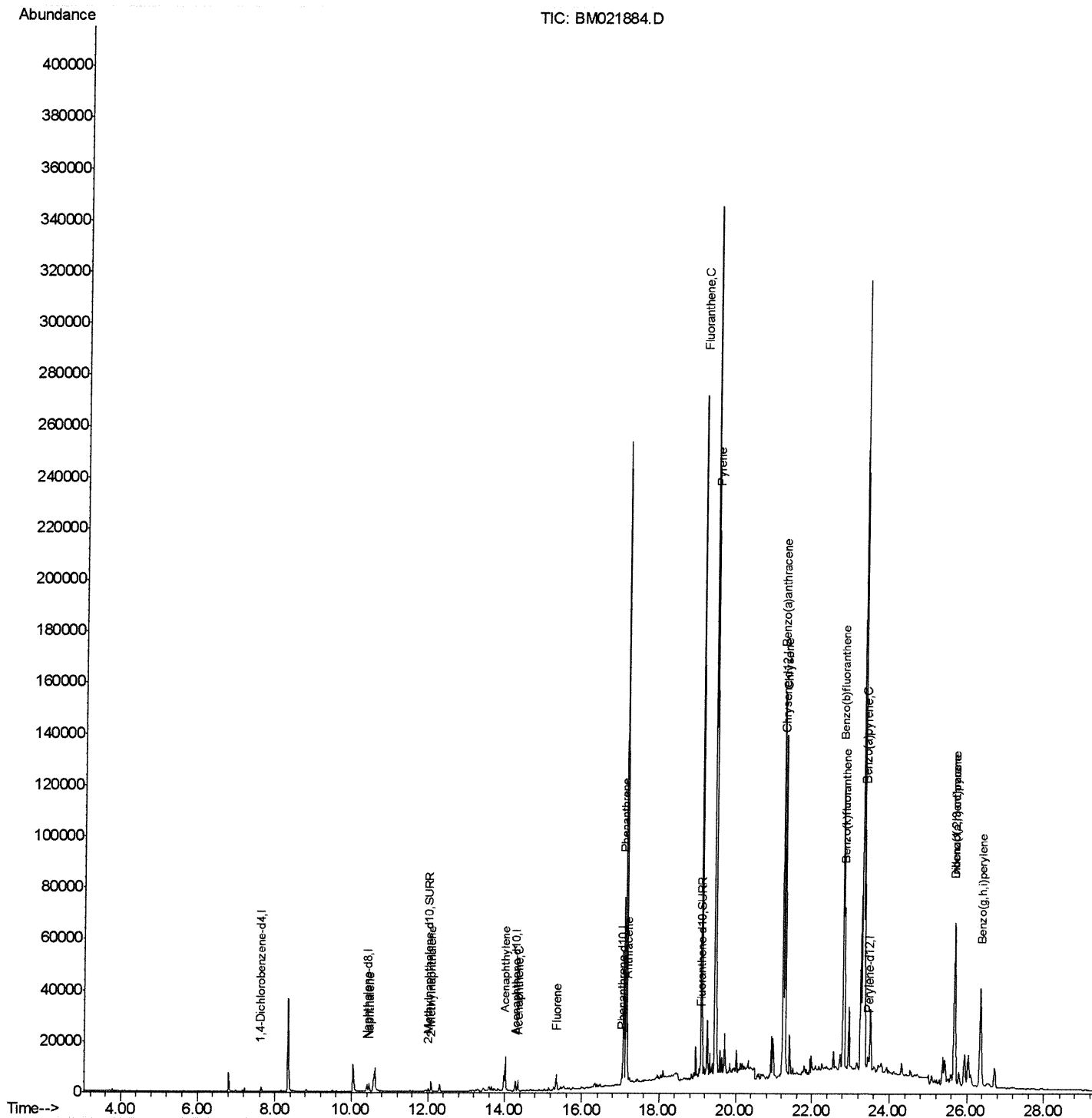
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080619\  
Quantitation Report (QT Reviewed)  
Data File : BM021884.D  
Acq On : 07 Aug 2019 07:26  
Operator : HP/JU  
Sample : K3893-12  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP16

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:13:54 PM

Quant Time: Aug 07 08:53:52 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



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080619\  
Quantitation Report (Qedit)

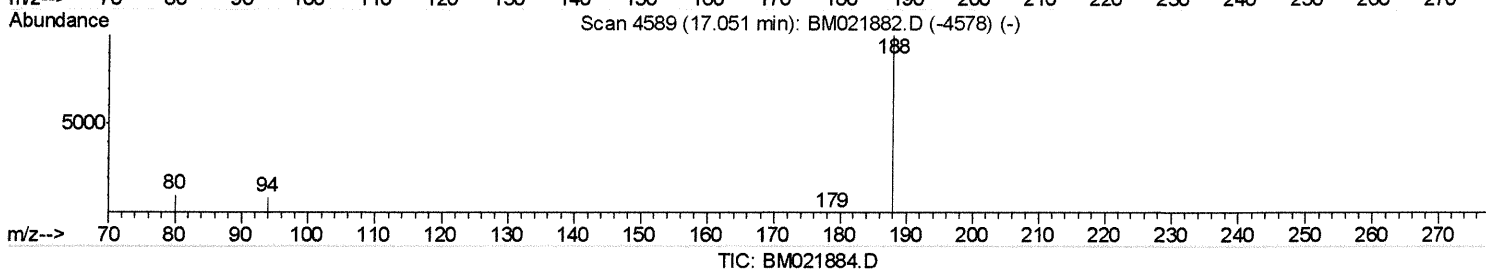
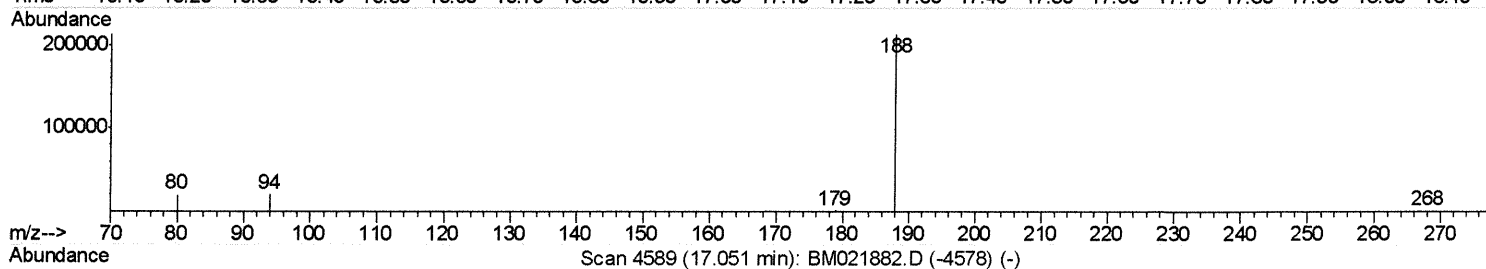
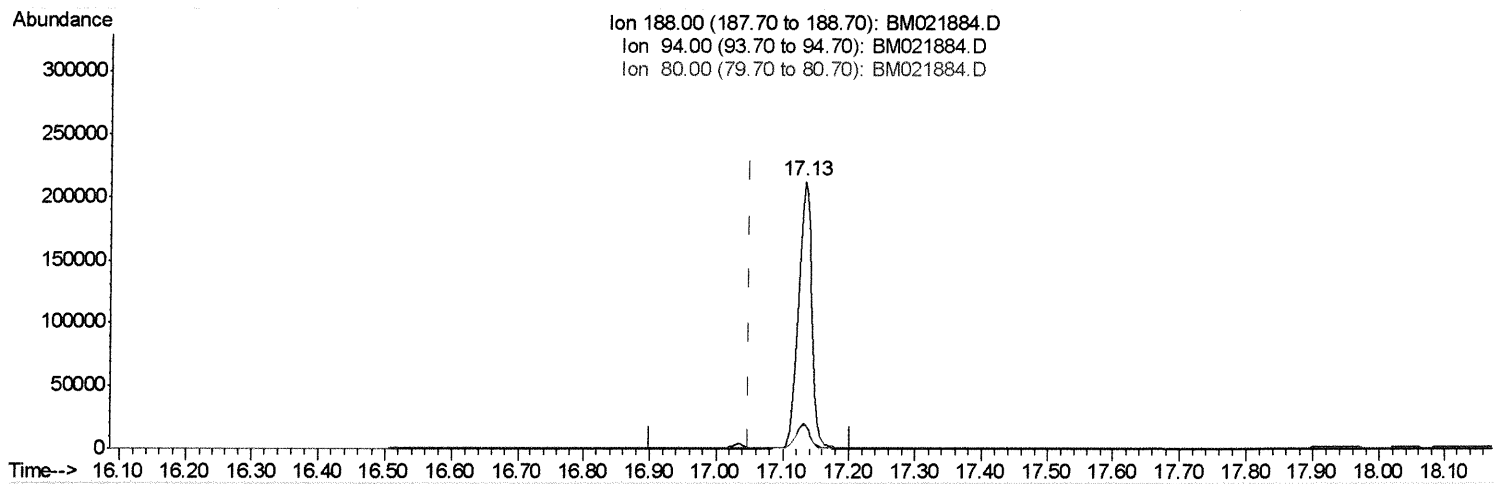
Data File : BM021884.D  
Acq On : 07 Aug 2019 07:26  
Operator : HP/JU  
Sample : K3893-12  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP16

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:13:54 PM

Quant Time: Aug 07 08:30:54 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



(10) Phenanthrene-d10 (I)  
17.131min (+0.080) 0.40ng/ul  
response 296142

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 10.40 | 9.57  |
| 80.00  | 11.40 | 9.06# |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080619\  
Quantitation Report (Qedit)

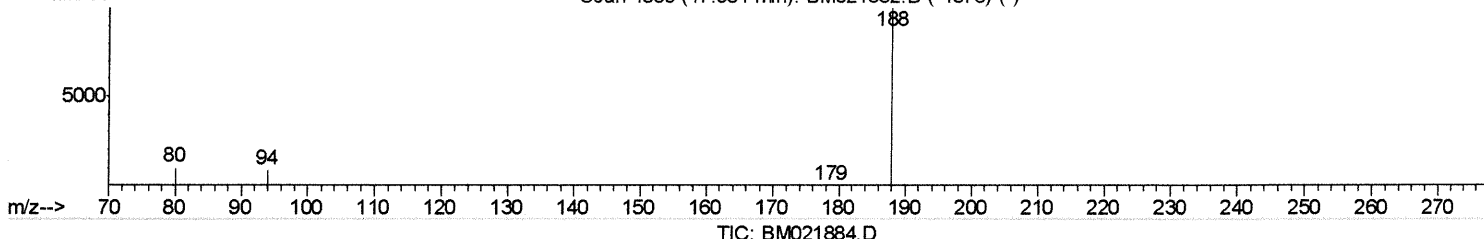
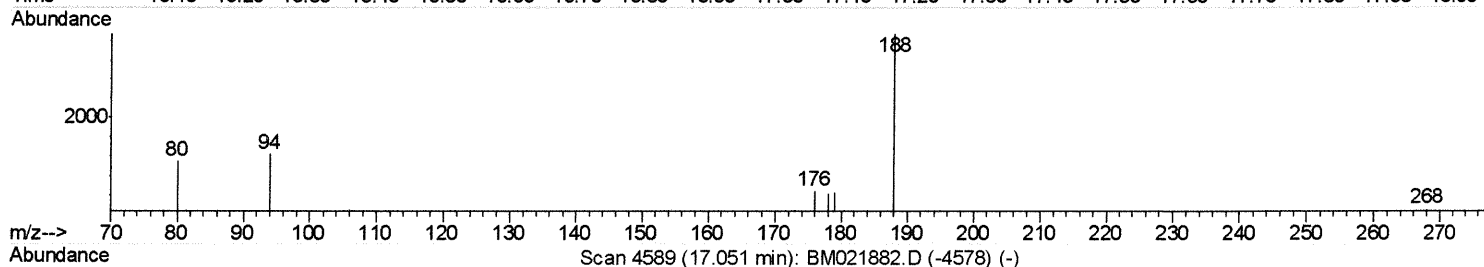
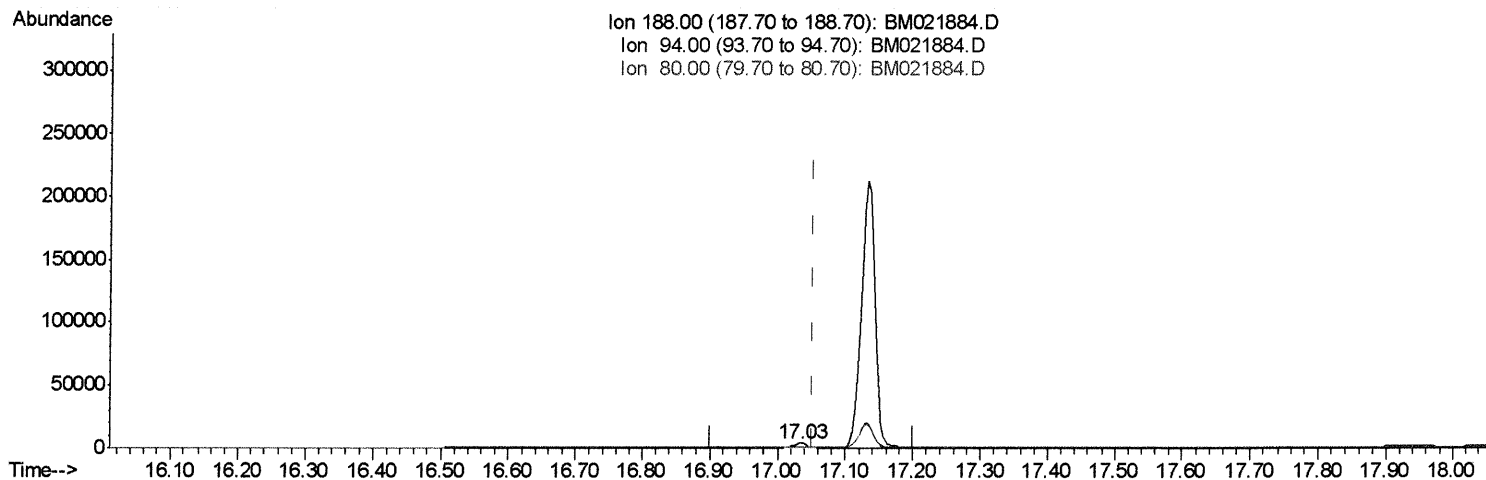
Data File : BM021884.D  
Acq On : 07 Aug 2019 07:26  
Operator : HP/JU  
Sample : K3893-12  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP16

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:13:54 PM

Quant Time: Aug 07 08:30:54 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



(10) Phenanthrene-d10 (I)

17.034min (-0.017) 0.40ng/ul m

JU  
08/07/19

response 5613

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 188.00 | 100   | 100    |
| 94.00  | 10.40 | 33.23# |
| 80.00  | 11.40 | 29.19# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080619\  
Quantitation Report (Qedit)

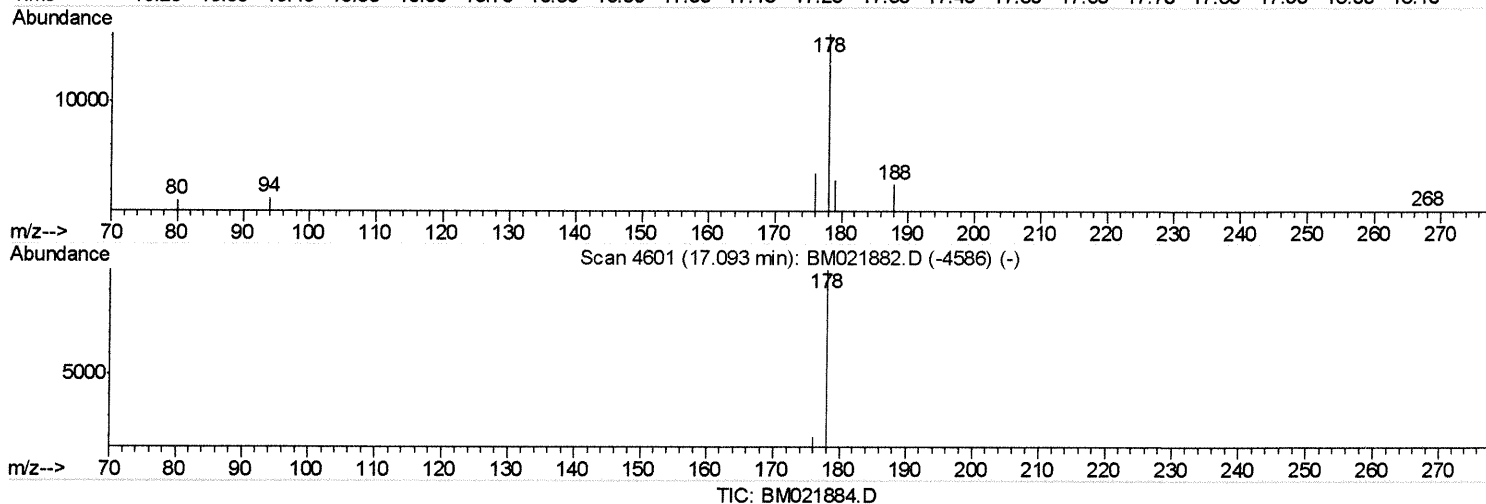
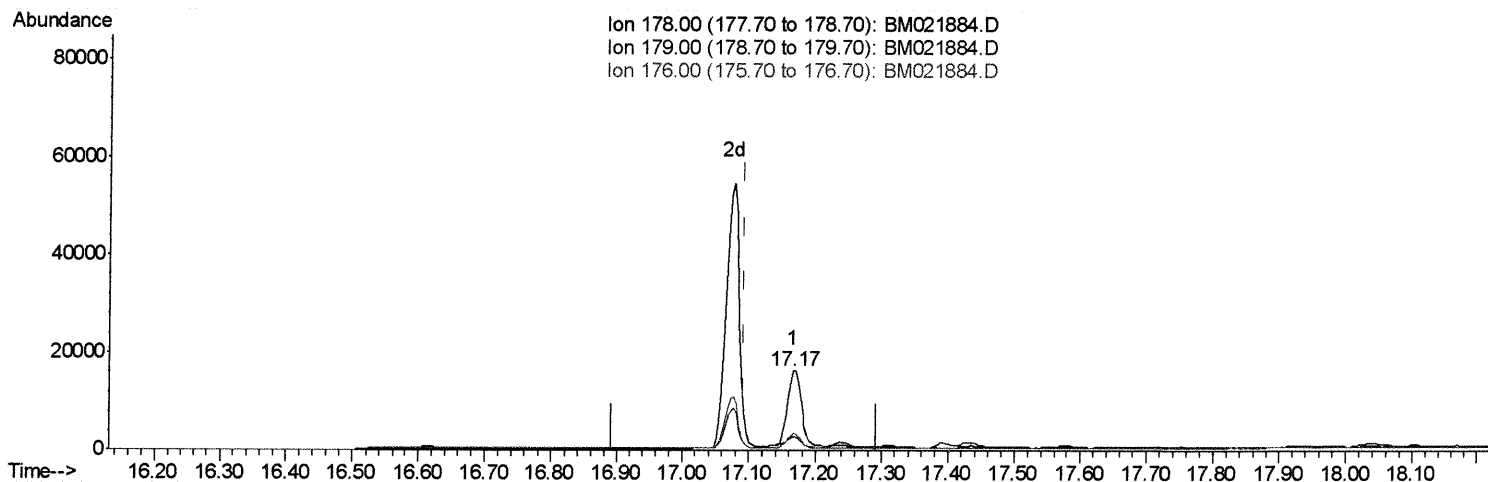
Data File : BM021884.D  
Acq On : 07 Aug 2019 07:26  
Operator : HP/JU  
Sample : K3893-12  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP16

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:13:54 PM

Quant Time: Aug 07 08:49:46 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



(12) Phenanthrene

17.166min (+0.073) 1.37ng/ul

response 22416

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 17.70 | 17.76 |
| 176.00 | 21.00 | 21.59 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080619\  
Quantitation Report (Qedit)

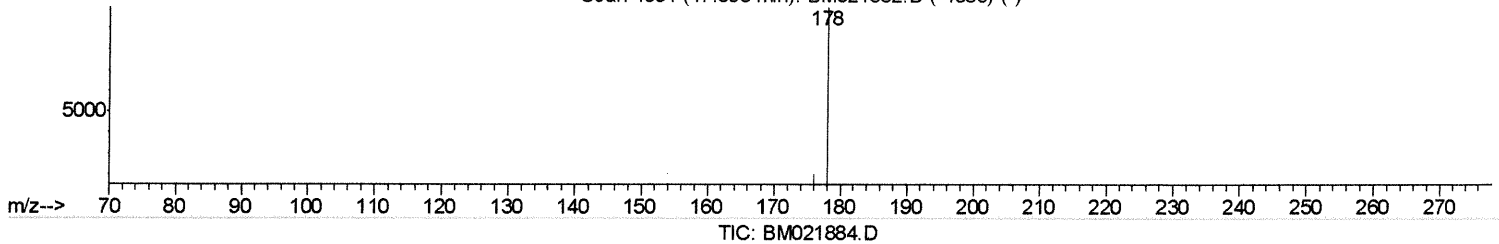
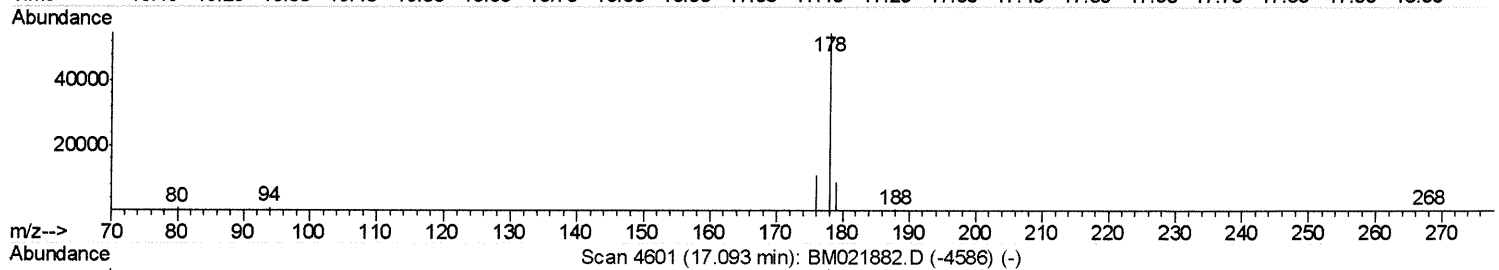
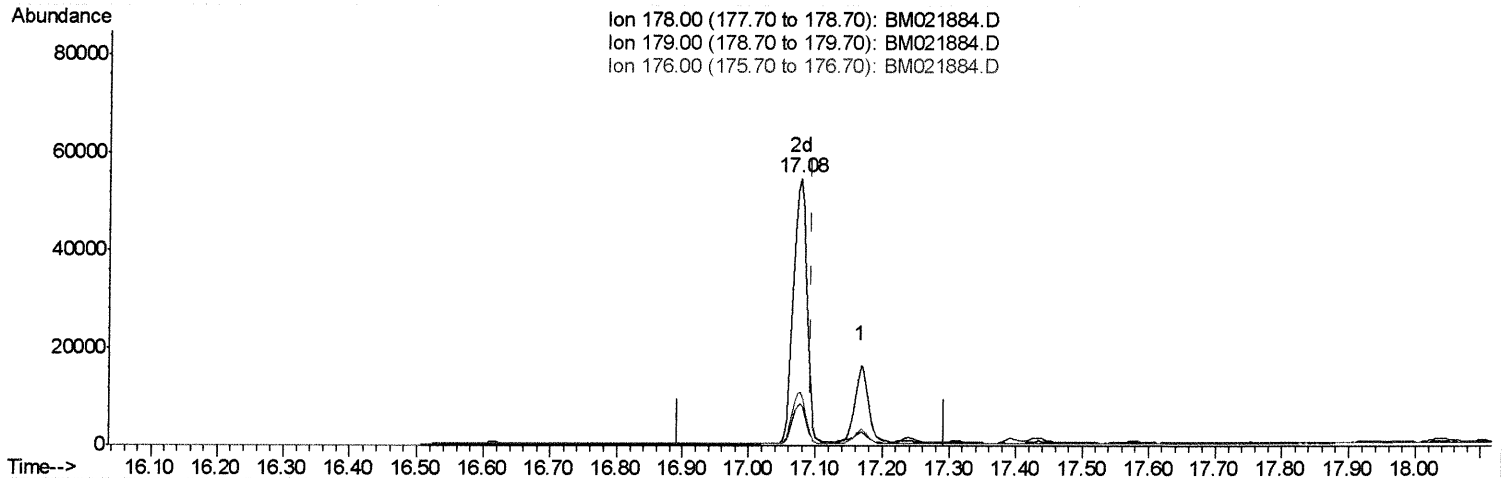
Data File : BM021884.D  
Acq On : 07 Aug 2019 07:26  
Operator : HP/JU  
Sample : K3893-12  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP16

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:13:54 PM

Quant Time: Aug 07 08:49:46 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



(12) Phenanthrene

17.076min (-0.017) 4.65ng/ul m JU 08/07/19

response 75991

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 17.70 | 15.91 |
| 176.00 | 21.00 | 20.14 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080619\  
Quantitation Report (Qedit)

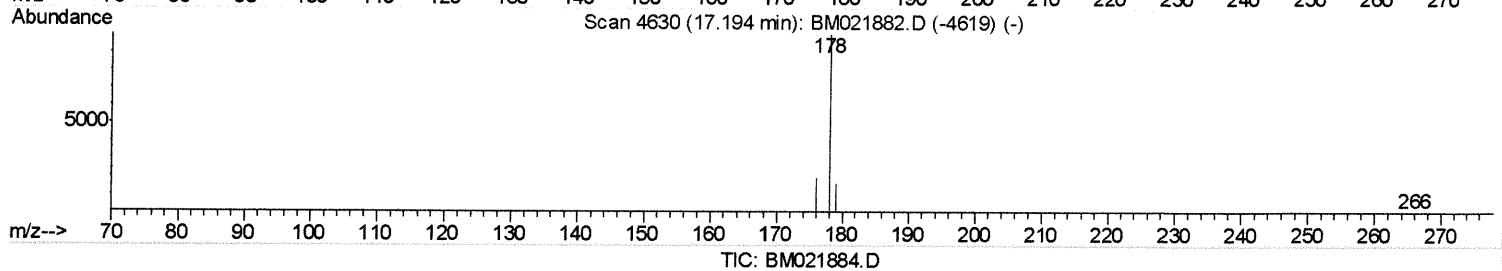
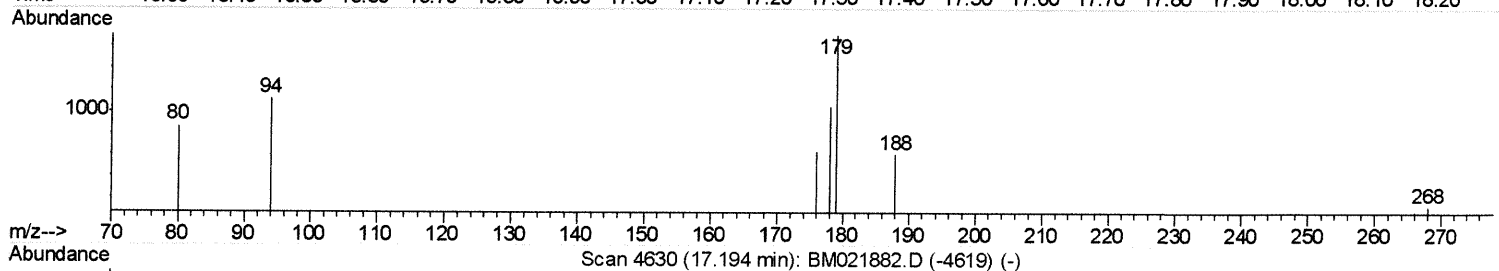
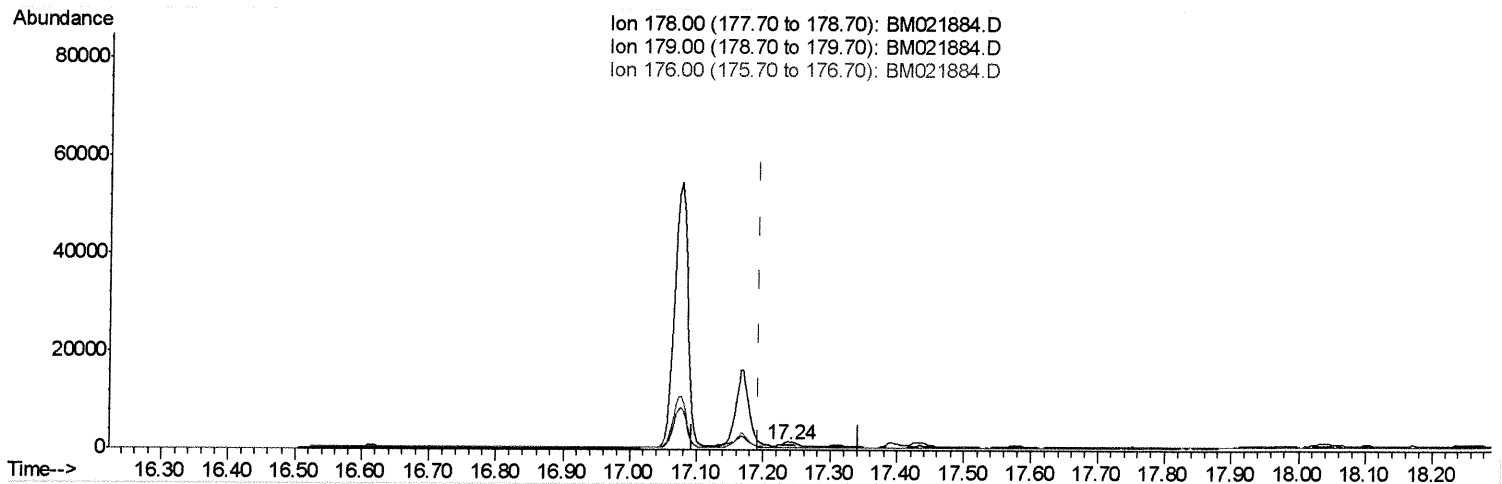
Data File : BM021884.D  
Acq On : 07 Aug 2019 07:26  
Operator : HP/JU  
Sample : K3893-12  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP16

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:13:54 PM

Quant Time: Aug 07 08:49:46 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



(13) Anthracene

17.239min (+0.045) 0.05ng/ul

response 696

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 178.00 | 100   | 100     |
| 179.00 | 19.40 | 163.10# |
| 176.00 | 20.80 | 59.66#  |
| 0.00   | 0.00  | 0.00    |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080619\  
Quantitation Report (Qedit)

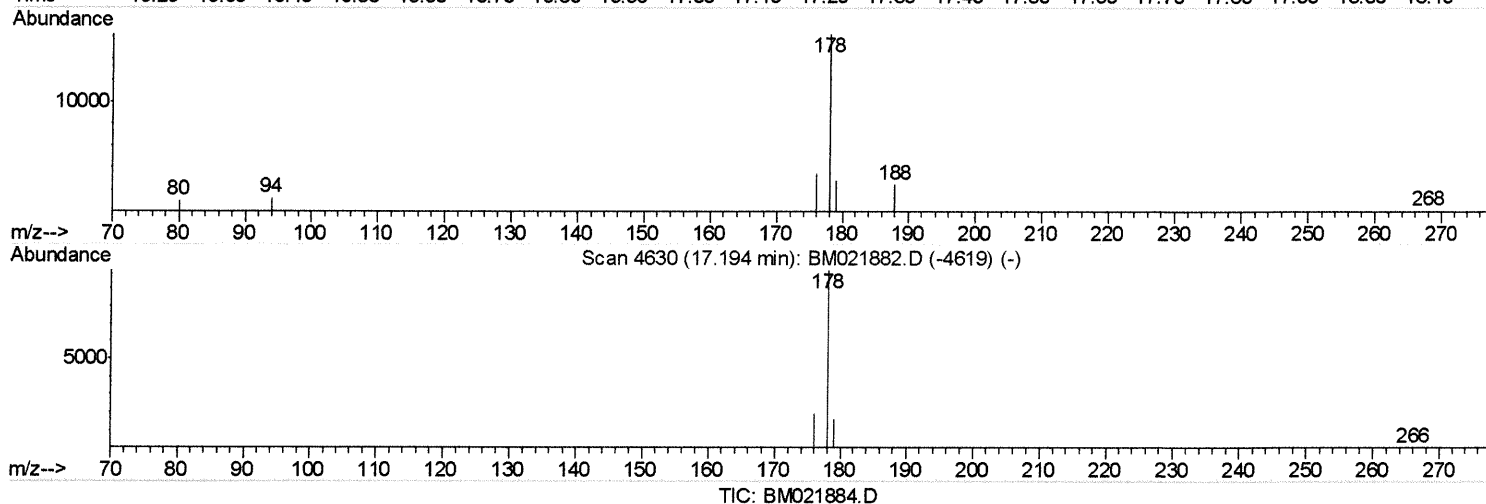
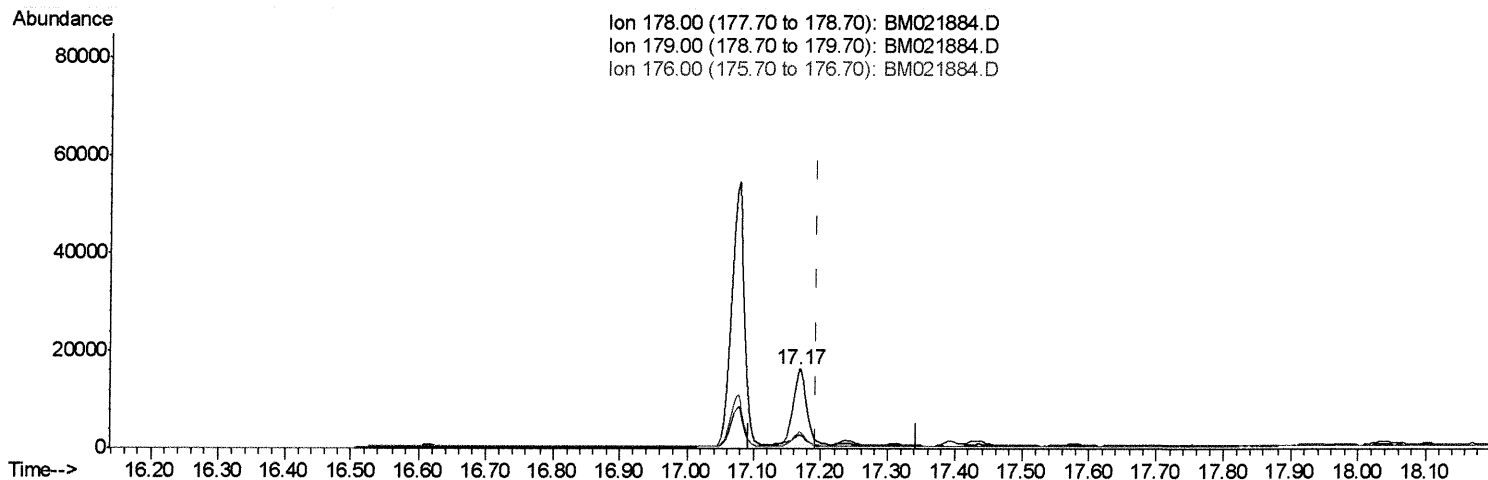
Data File : BM021884.D  
Acq On : 07 Aug 2019 07:26  
Operator : HP/JU  
Sample : K3893-12  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP16

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:13:54 PM

Quant Time: Aug 07 08:49:46 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



(13) Anthracene

17.166min (-0.028) 1.59ng/ul m *JU 08/07/19*

response 22132

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 19.40 | 17.76 |
| 176.00 | 20.80 | 21.59 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080619\  
Quantitation Report (Qedit)

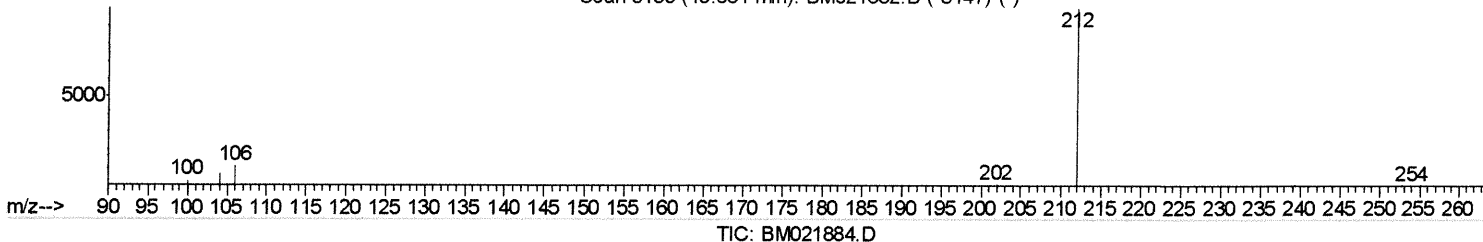
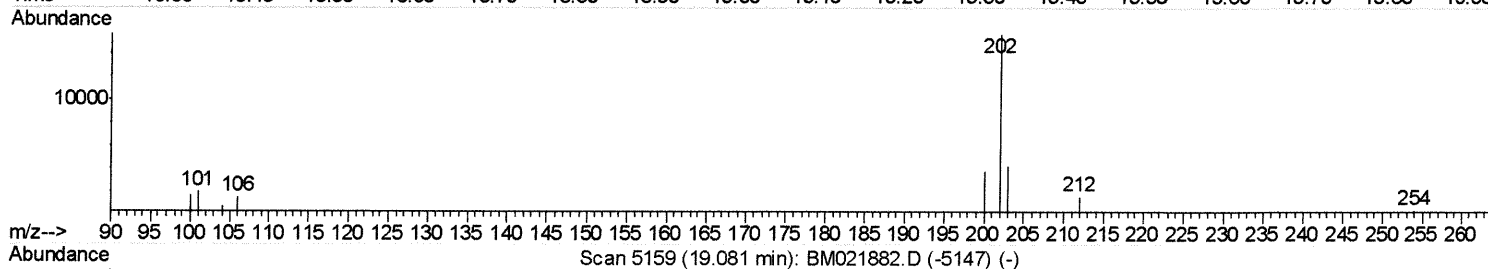
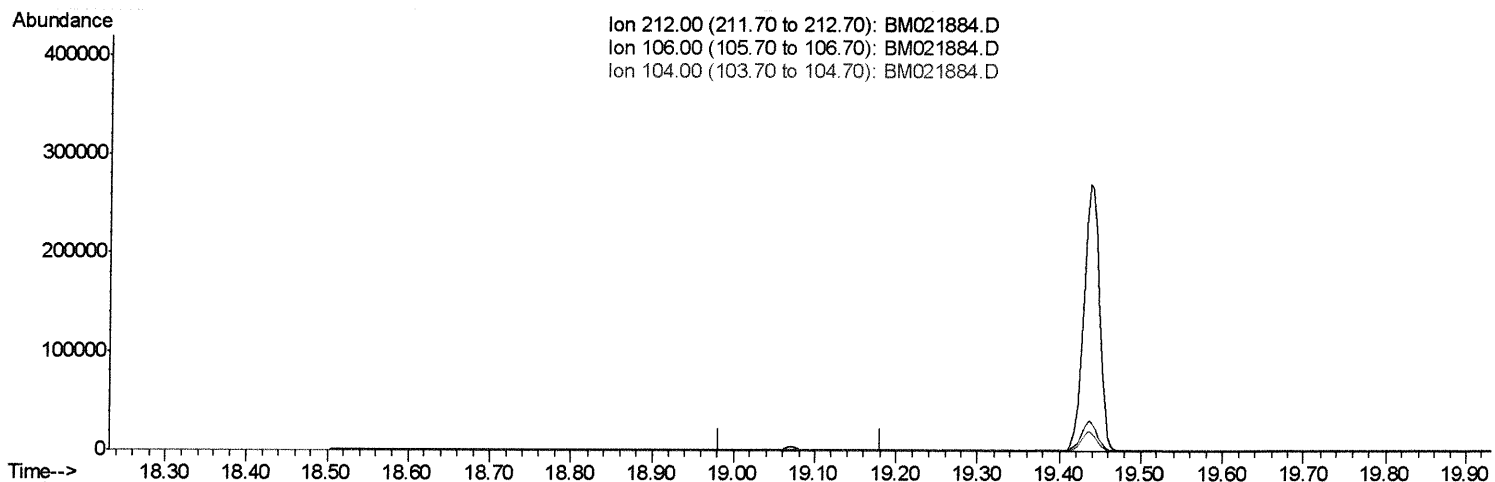
Data File : BM021884.D  
Acq On : 07 Aug 2019 07:26  
Operator : HP/JU  
Sample : K3893-12  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP16

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:13:54 PM

Quant Time: Aug 07 08:49:46 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



(14) Fluoranthene-d10 (SURR)

19.081min (-19.081) 0.00ng/ui

response 0

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

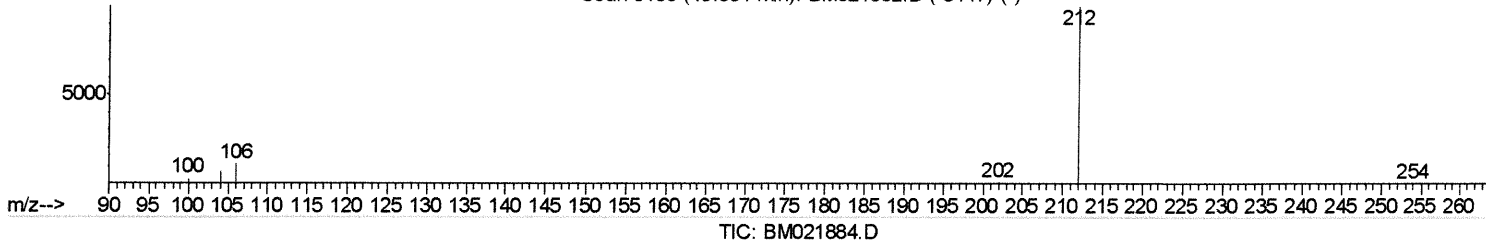
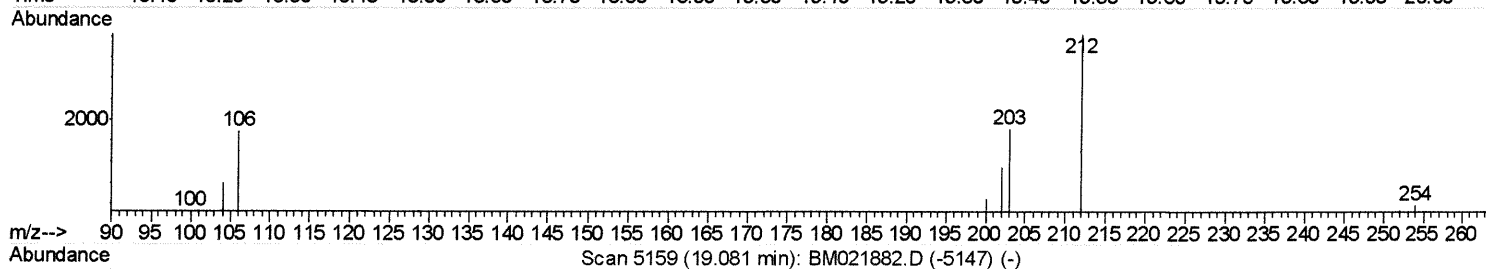
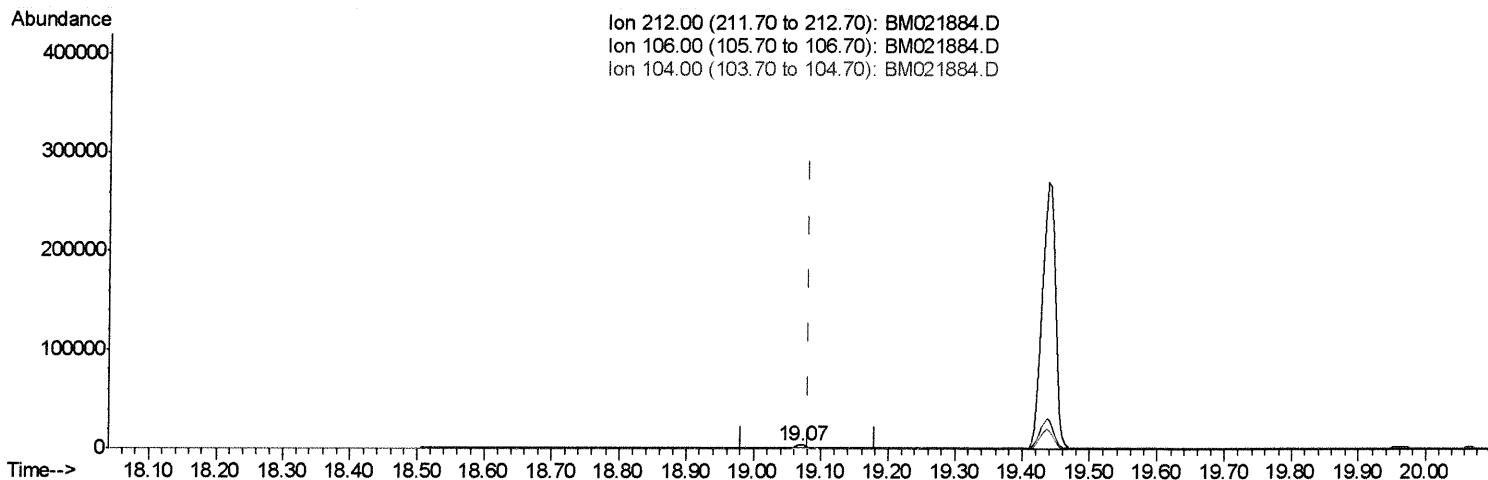
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080619\  
 Quantitation Report (Qedit)  
 Data File : BM021884.D  
 Acq On : 07 Aug 2019 07:26  
 Operator : HP/JU  
 Sample : K3893-12  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BEP16

Manual Integrations  
 APPROVED

mohammad  
 8/7/2019 12:13:54 PM

Quant Time: Aug 07 08:49:46 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



(14) Fluoranthene-d10 (SURR)

19.070min (-0.011) 0.24ng/ul m *JU 08/07/19*

response 4472

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080619\  
Quantitation Report (Qedit)

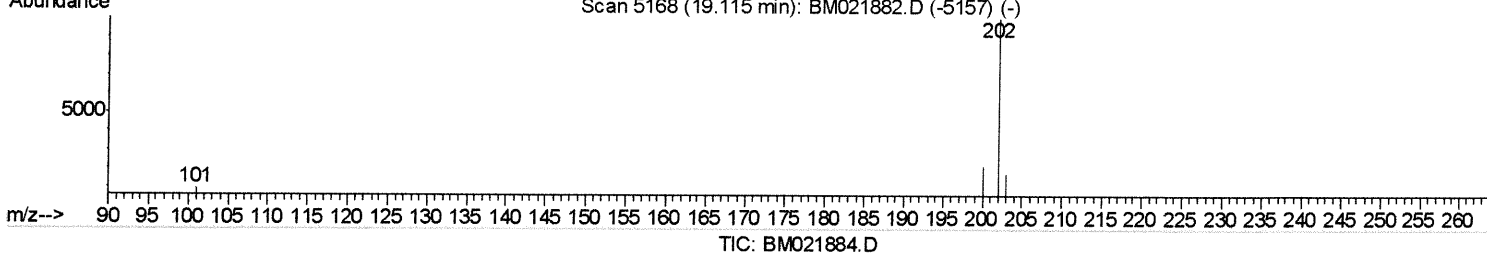
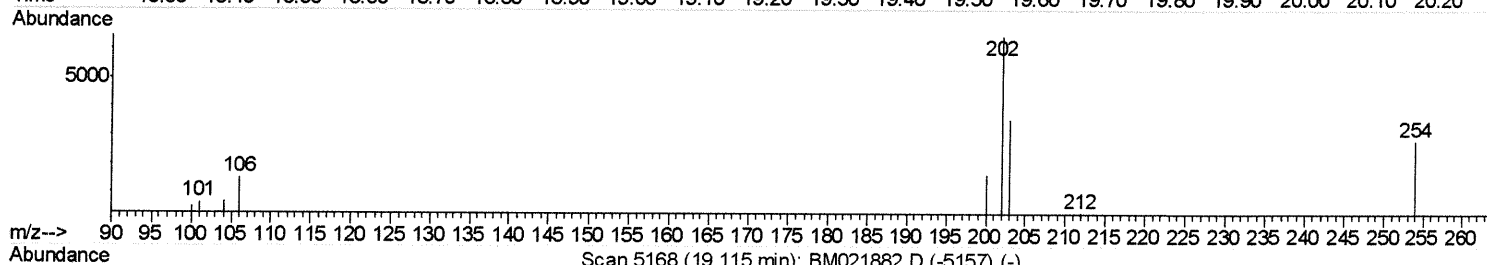
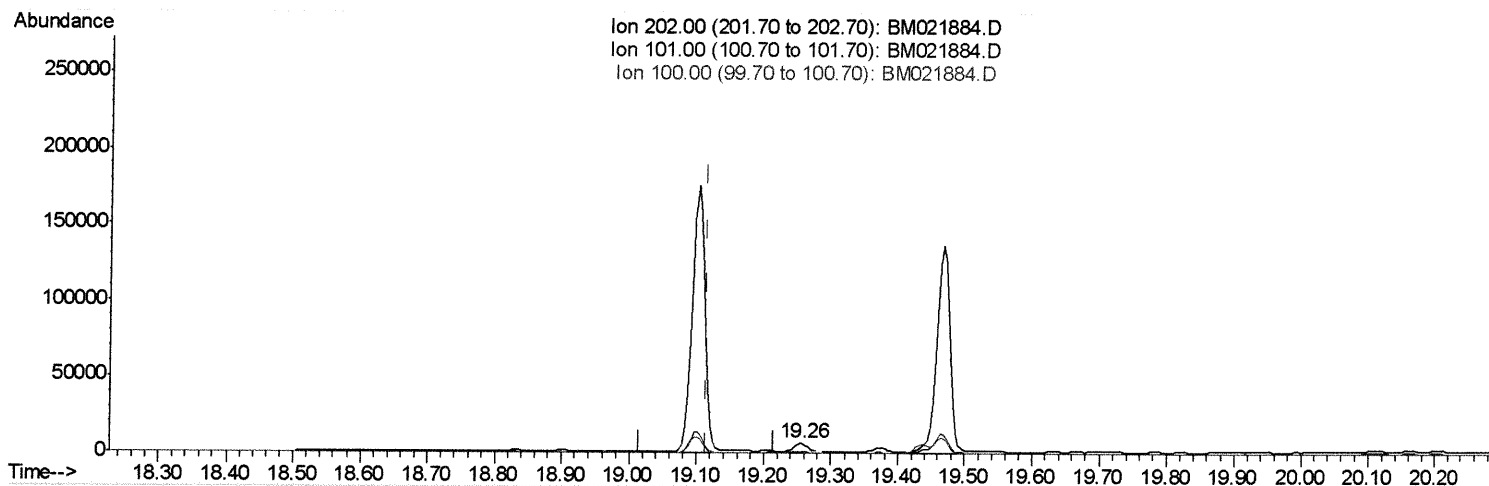
Data File : BM021884.D  
Acq On : 07 Aug 2019 07:26  
Operator : HP/JU  
Sample : K3893-12  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP16

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:13:54 PM

Quant Time: Aug 07 08:49:46 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



(15) Fluoranthene (C)

19.257min (+0.141) 0.32ng/ul

response 7056

| Ion    | Exp%  | Act% |
|--------|-------|------|
| 202.00 | 100   | 100  |
| 101.00 | 10.20 | 9.99 |
| 100.00 | 8.10  | 7.81 |
| 0.00   | 0.00  | 0.00 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080619\  
Quantitation Report (Qedit)

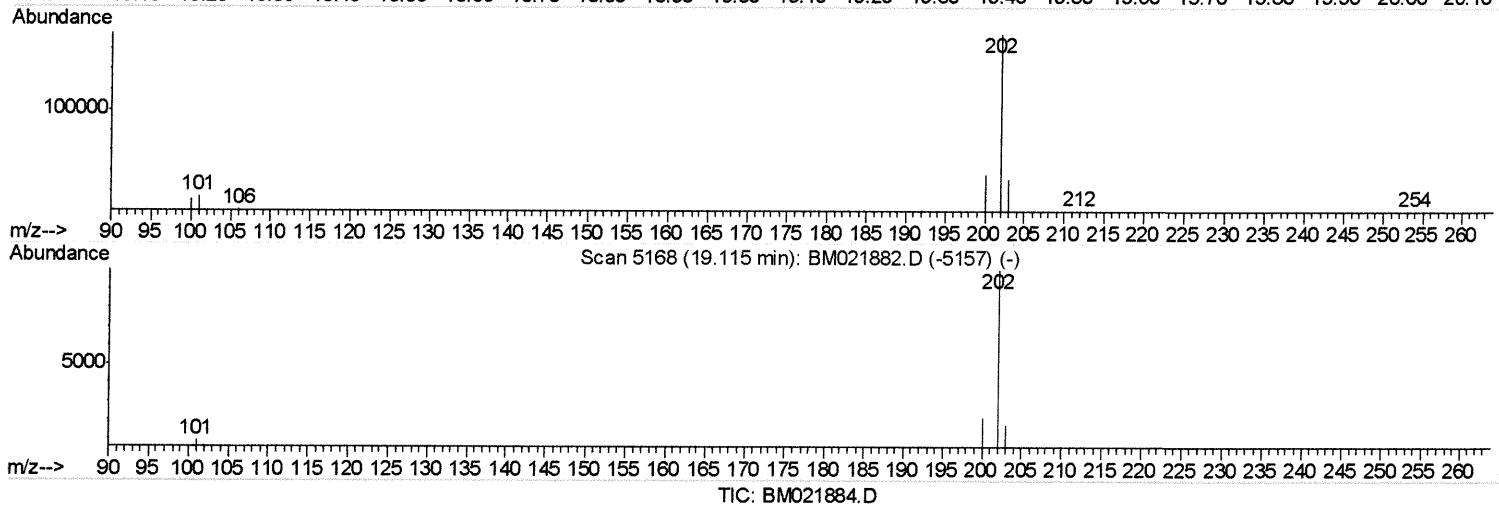
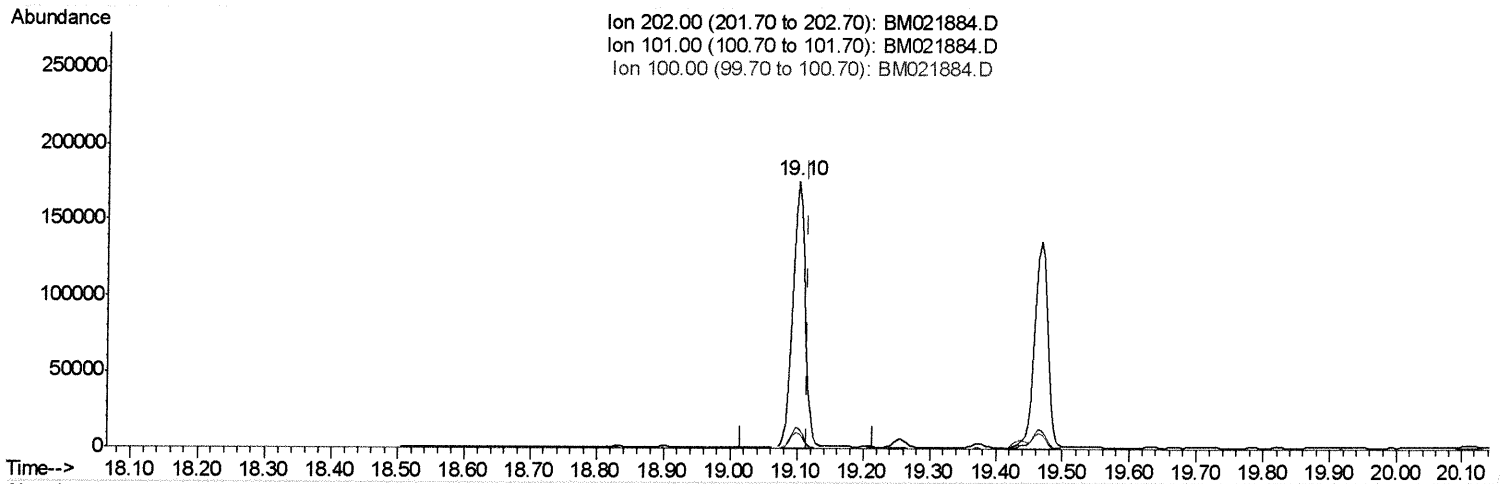
Data File : BM021884.D  
Acq On : 07 Aug 2019 07:26  
Operator : HP/JU  
Sample : K3893-12  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP16

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:13:54 PM

Quant Time: Aug 07 08:49:46 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



(15) Fluoranthene (C)

19.100min (-0.015) 10.47ng/ul m *JU 08/07/19*

response 229003

| Ion    | Exp%  | Act% |
|--------|-------|------|
| 202.00 | 100   | 100  |
| 101.00 | 10.20 | 7.94 |
| 100.00 | 8.10  | 6.14 |
| 0.00   | 0.00  | 0.00 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080619\  
Quantitation Report (Qedit)

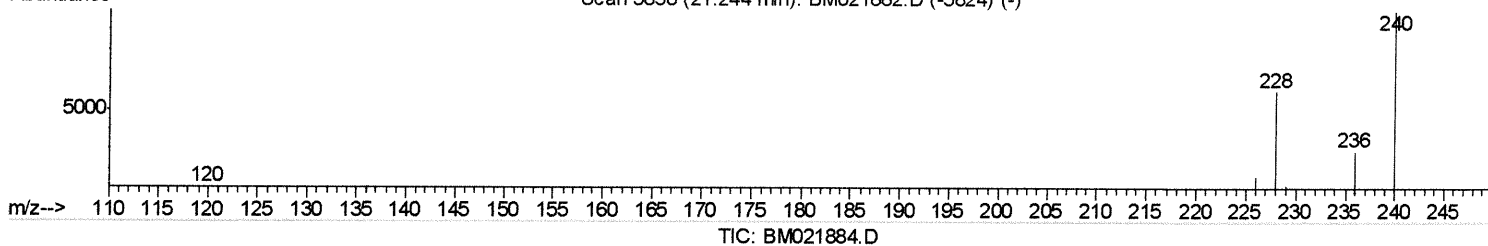
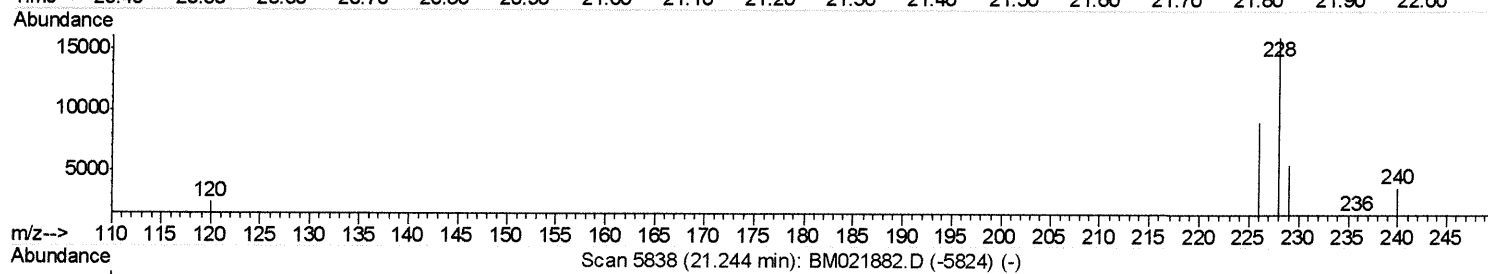
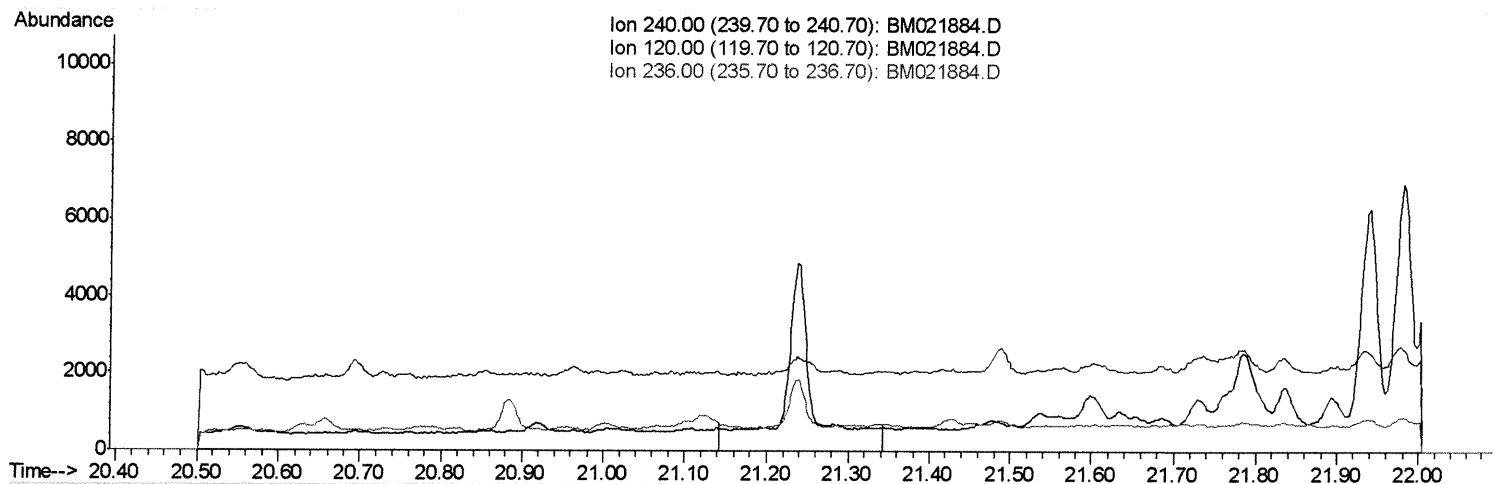
Data File : BM021884.D  
Acq On : 07 Aug 2019 07:26  
Operator : HP/JU  
Sample : K3893-12  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP16

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:13:54 PM

Quant Time: Aug 07 08:49:46 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



(16) Chrysene-d12 (I)

21.244min (-21.244) 0.00ng/ul

response 0

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080619\  
Quantitation Report (Qedit)

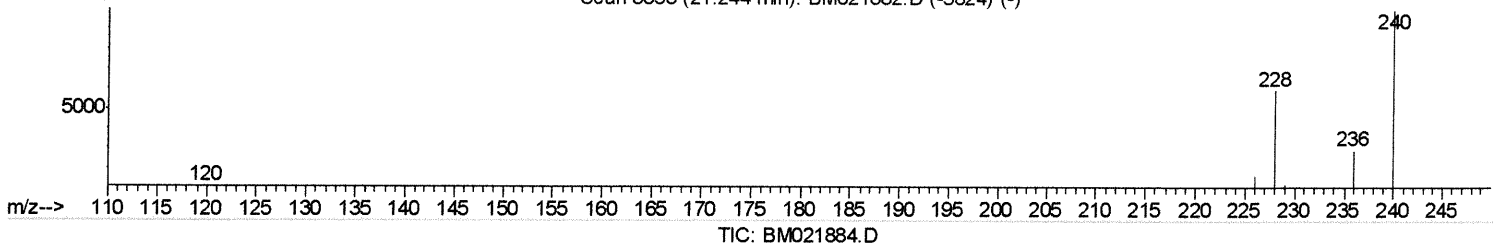
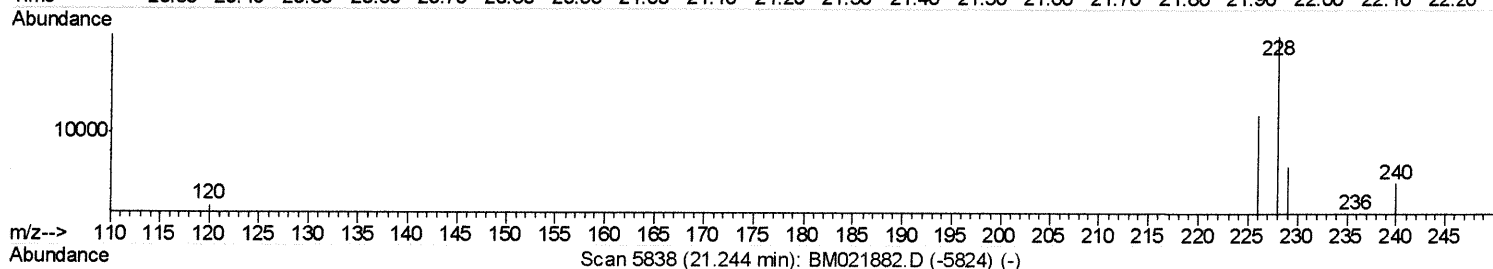
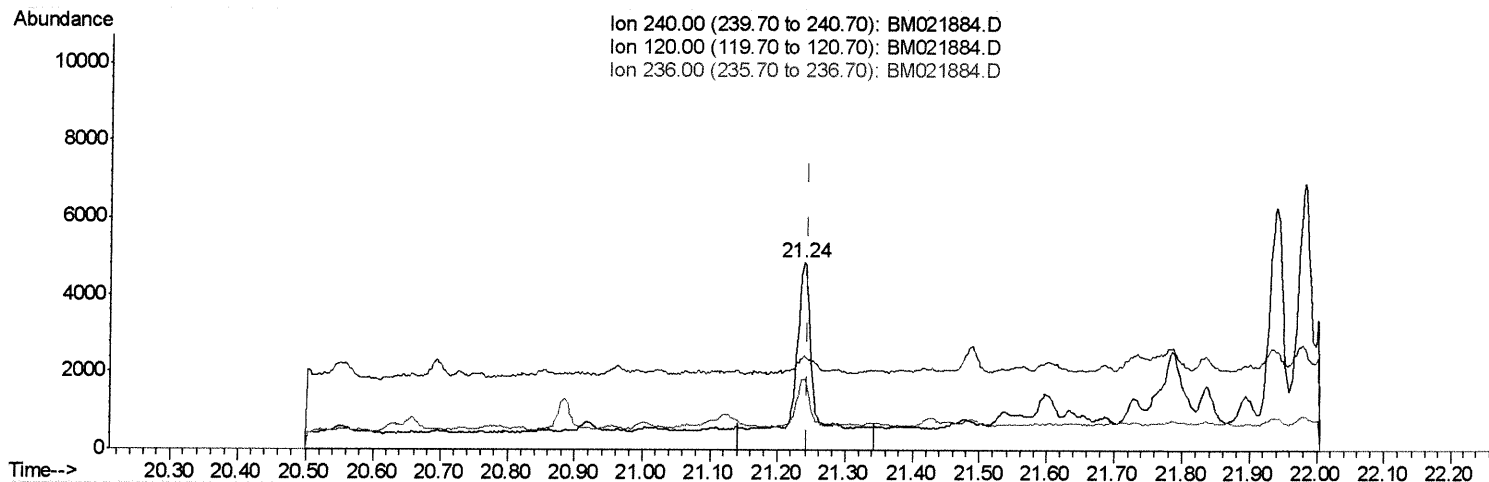
Data File : BM021884.D  
Acq On : 07 Aug 2019 07:26  
Operator : HP/JU  
Sample : K3893-12  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP16

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:13:54 PM

Quant Time: Aug 07 08:49:46 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



(16) Chrysene-d12 (I)

21.237min (-0.007) 0.40ng/ul m 08/07/19

response 5408

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 240.00 | 100   | 100    |
| 120.00 | 16.20 | 50.49# |
| 236.00 | 32.30 | 37.48  |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080619\  
Quantitation Report (Qedit)

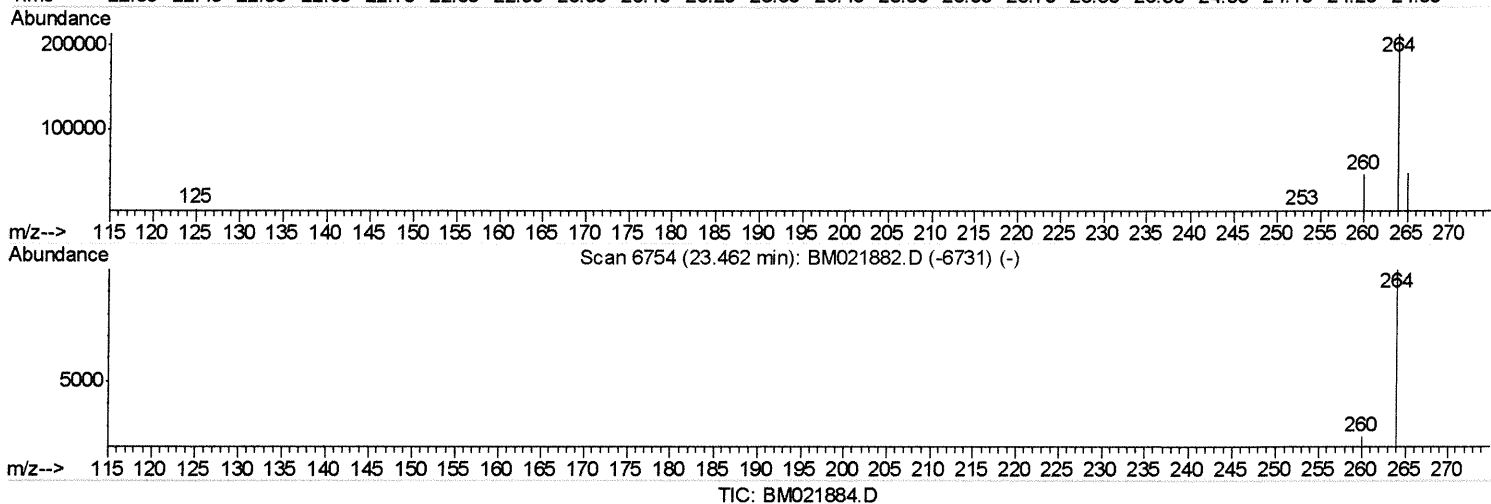
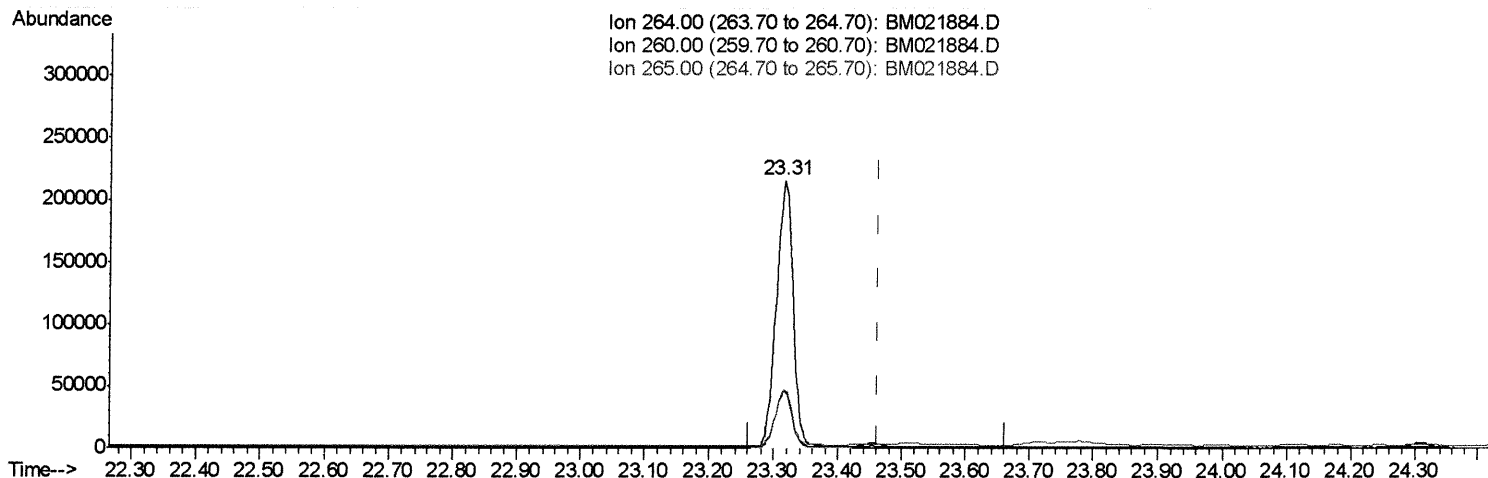
Data File : BM021884.D  
Acq On : 07 Aug 2019 07:26  
Operator : HP/JU  
Sample : K3893-12  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP16

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:13:54 PM

Quant Time: Aug 07 08:51:06 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)

23.314min (-0.148) 0.40ng/ul

response 392103

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 27.50  | 21.27# |
| 265.00 | 117.00 | 22.15# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080619\  
Quantitation Report (Qedit)

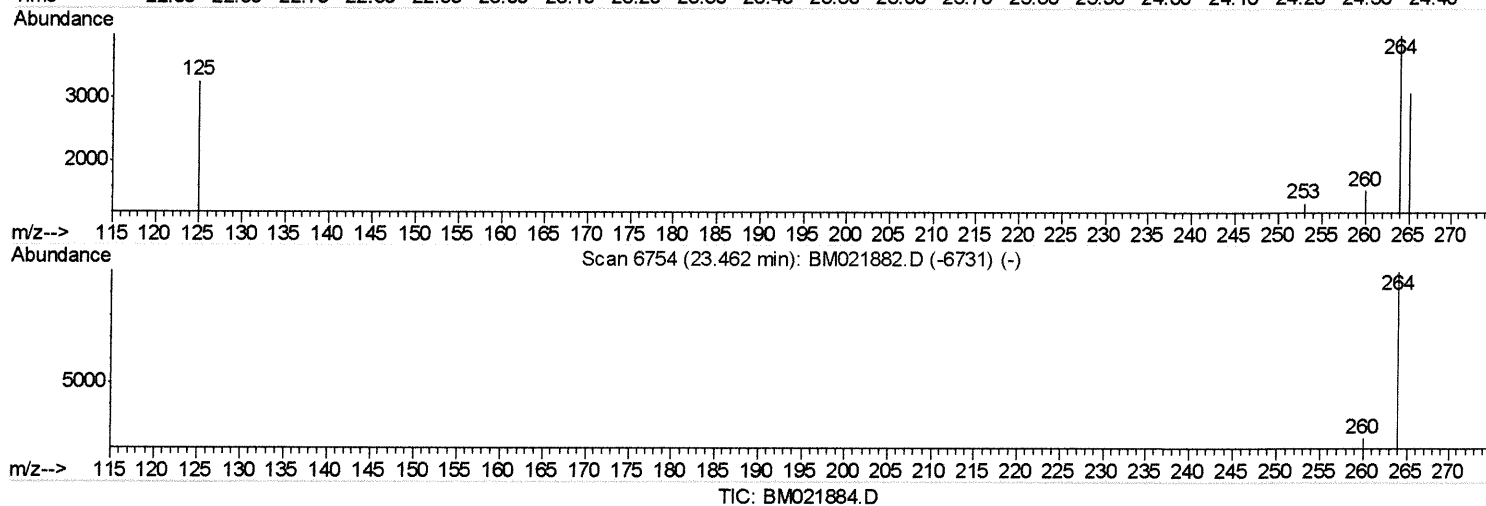
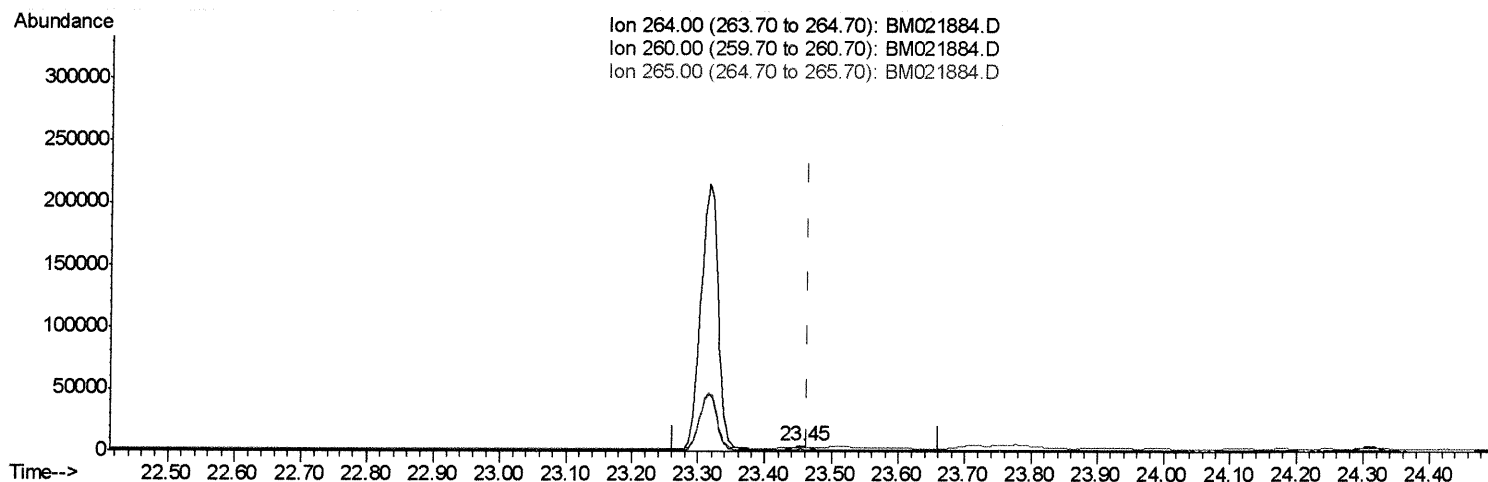
Data File : BM021884.D  
Acq On : 07 Aug 2019 07:26  
Operator : HP/JU  
Sample : K3893-12  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP16

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:13:54 PM

Quant Time: Aug 07 08:51:06 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)

23.455min (-0.007) 0.40ng/ul m *JU* 08/07/19

response 5599

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 27.50  | 38.47# |
| 265.00 | 117.00 | 77.23# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080619\  
Quantitation Report (Qedit)

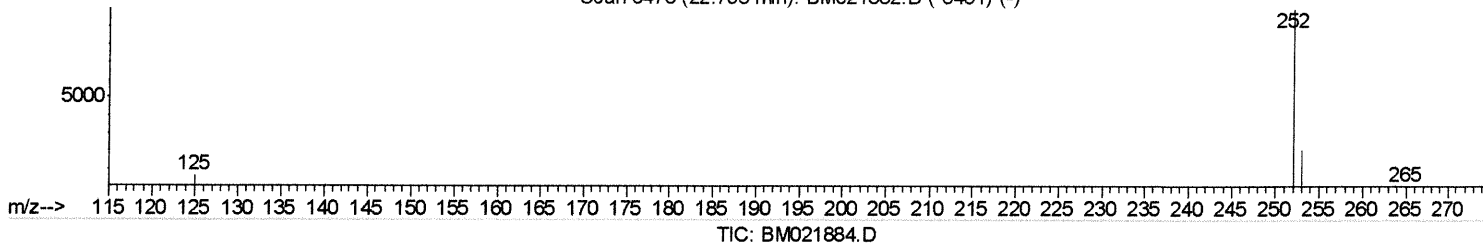
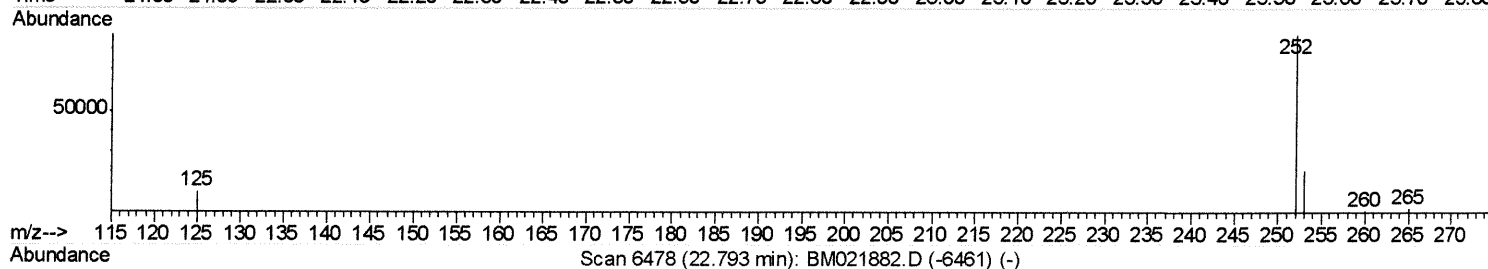
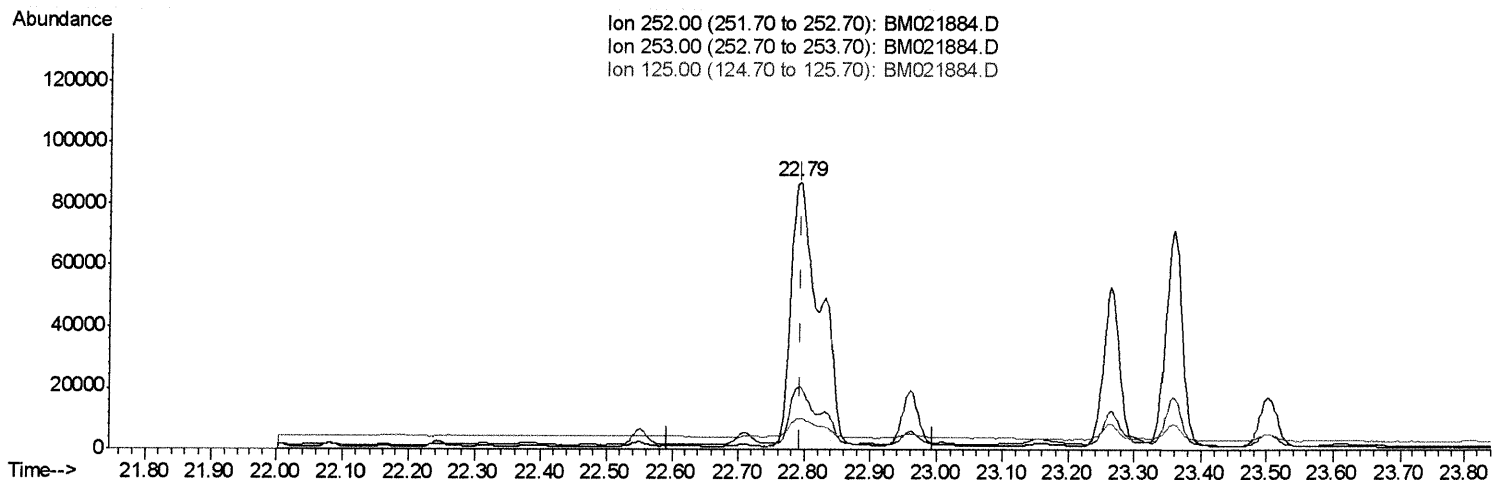
Data File : BM021884.D  
Acq On : 07 Aug 2019 07:26  
Operator : HP/JU  
Sample : K3893-12  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP16

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:13:54 PM

Quant Time: Aug 07 08:51:32 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

22.791min (-0.002) 12.84ng/ui

response 242401

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 33.70 | 23.75 |
| 125.00 | 15.50 | 11.42 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080619\  
Quantitation Report (Qedit)

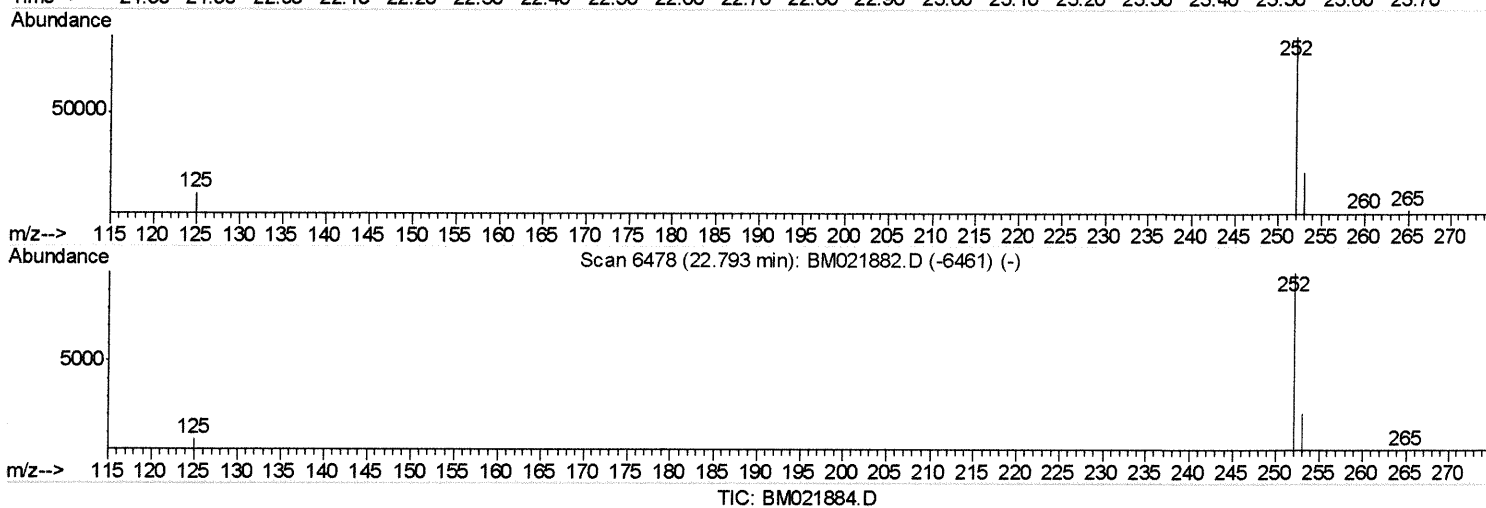
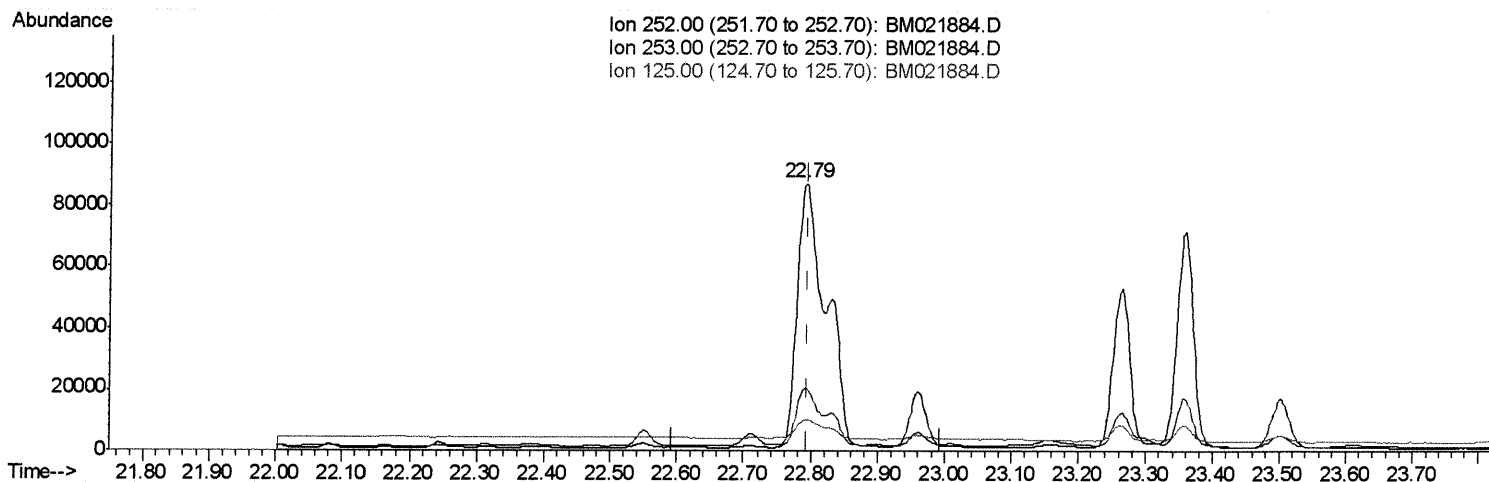
Data File : BM021884.D  
Acq On : 07 Aug 2019 07:26  
Operator : HP/JU  
Sample : K3893-12  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP16

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:13:54 PM

Quant Time: Aug 07 08:51:32 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

22.791min (-0.002) 10.16ng/ul m

response 191877

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 33.70 | 23.75 |
| 125.00 | 15.50 | 11.42 |
| 0.00   | 0.00  | 0.00  |

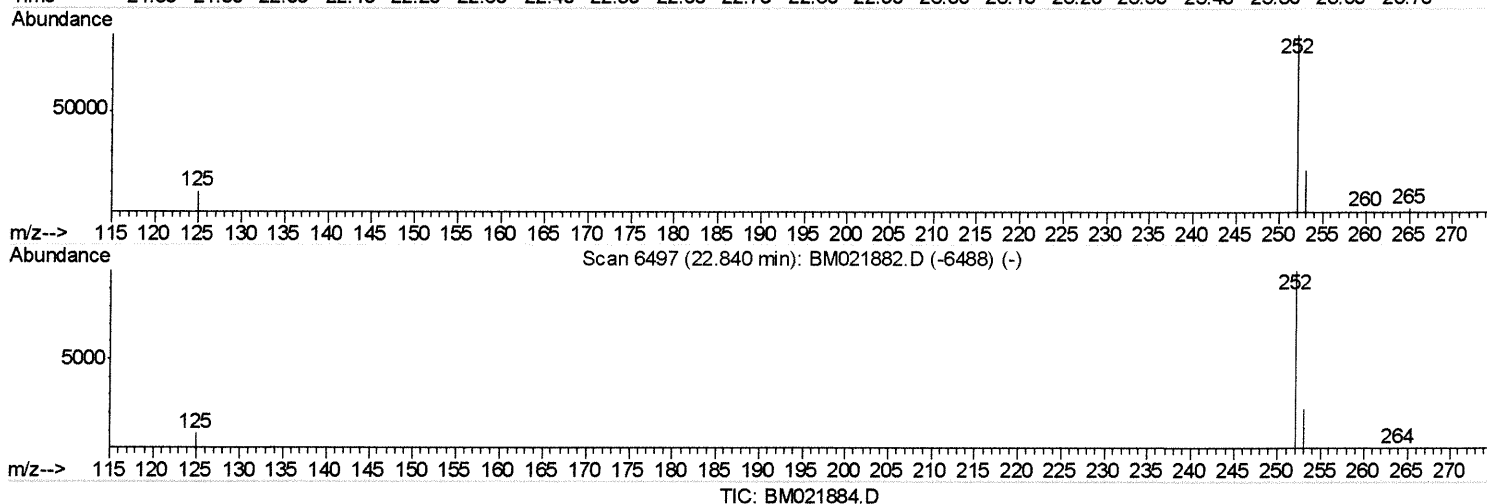
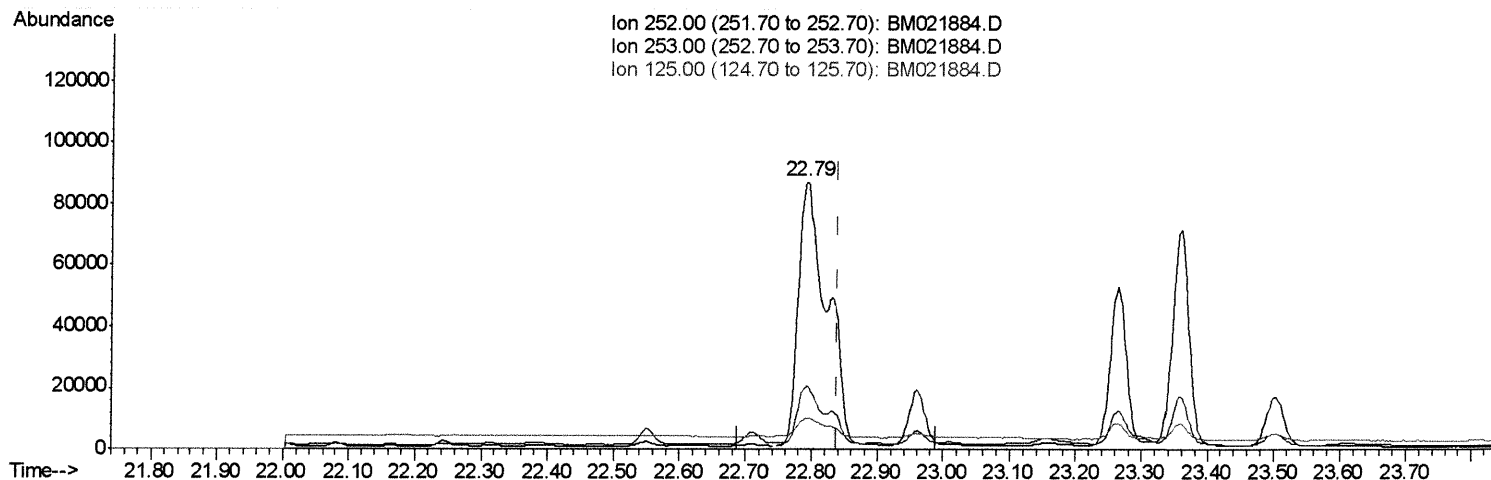
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080619\  
 Quantitation Report (Qedit)  
 Data File : BM021884.D  
 Acq On : 07 Aug 2019 07:26  
 Operator : HP/JU  
 Sample : K3893-12  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BEP16

Manual Integrations  
 APPROVED

mohammad  
 8/7/2019 12:13:54 PM

Quant Time: Aug 07 08:51:32 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  
 22.791min (-0.048) 10.83ng/ul  
 response 231358

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 33.70 | 23.75# |
| 125.00 | 15.20 | 11.42# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080619\  
Quantitation Report (Qedit)

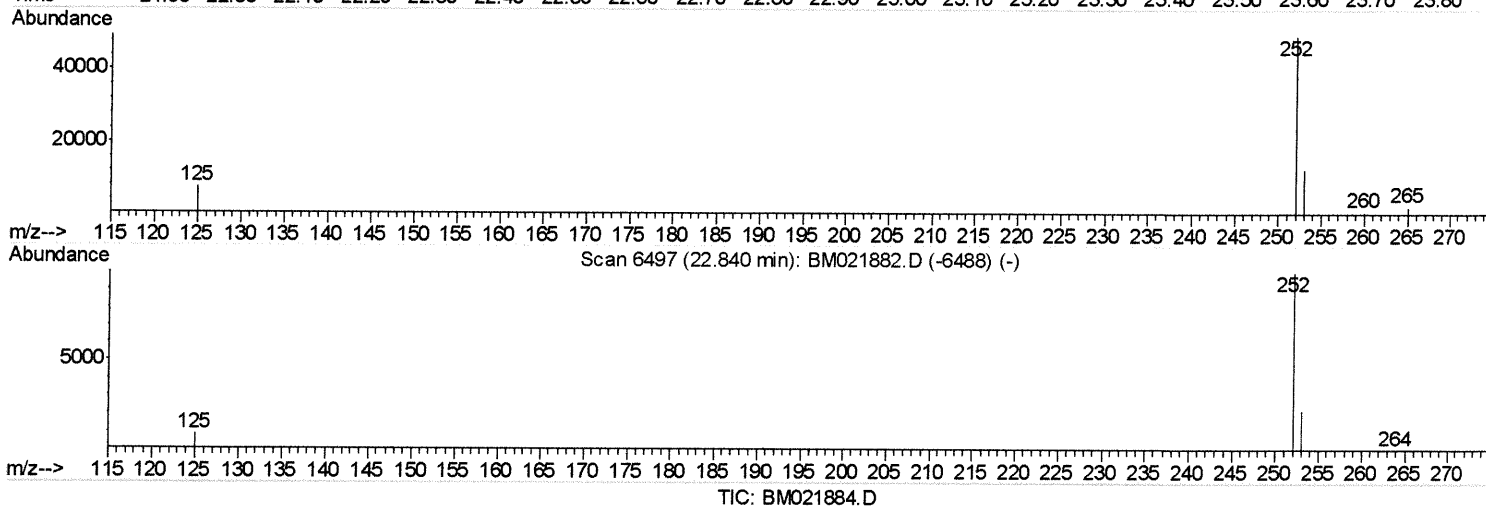
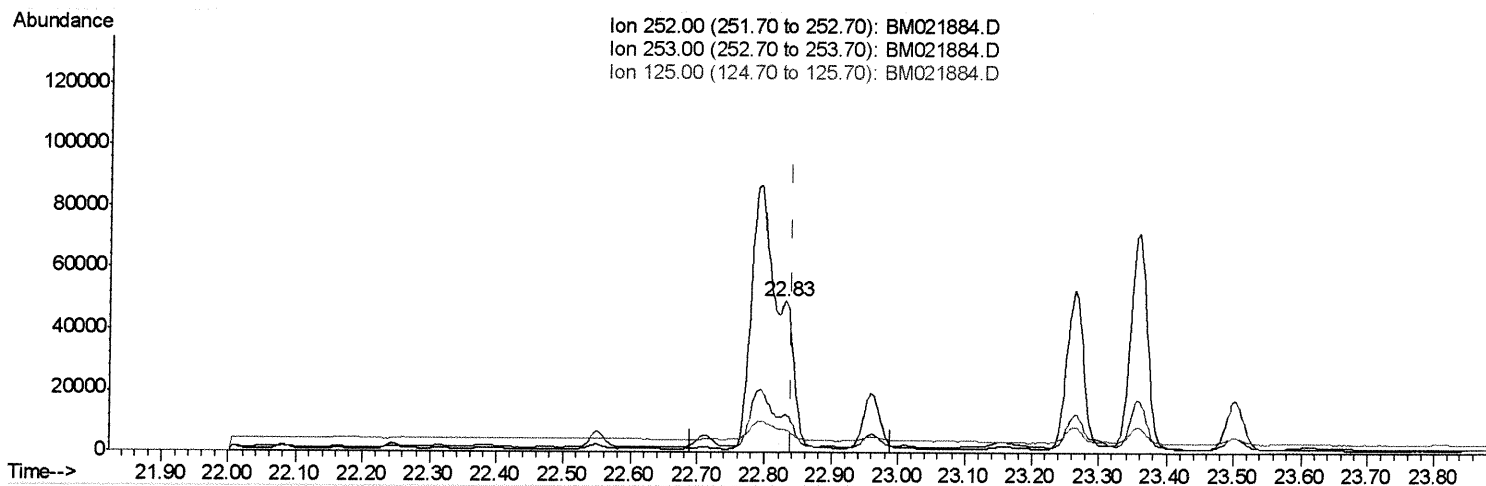
Data File : BM021884.D  
Acq On : 07 Aug 2019 07:26  
Operator : HP/JU  
Sample : K3893-12  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP16

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:13:54 PM

Quant Time: Aug 07 08:51:32 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

22.830min (-0.010) 3.28ng/ul m

JU  
08/07/19

response 70153

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 33.70 | 25.34# |
| 125.00 | 15.20 | 15.07  |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080619\  
Quantitation Report (Qedit)

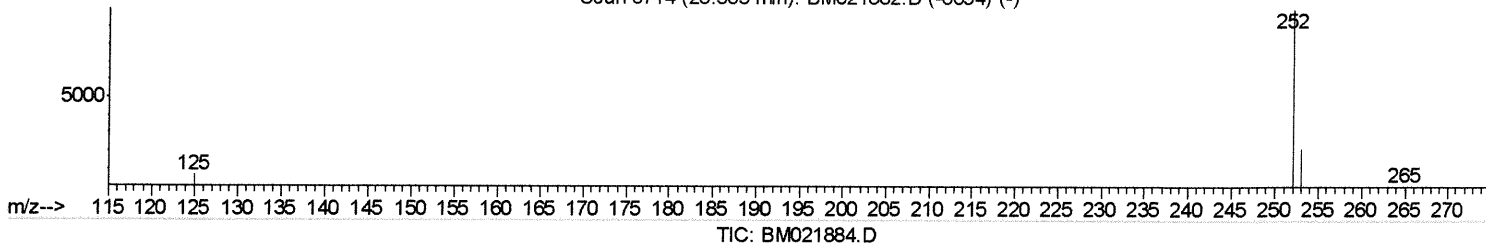
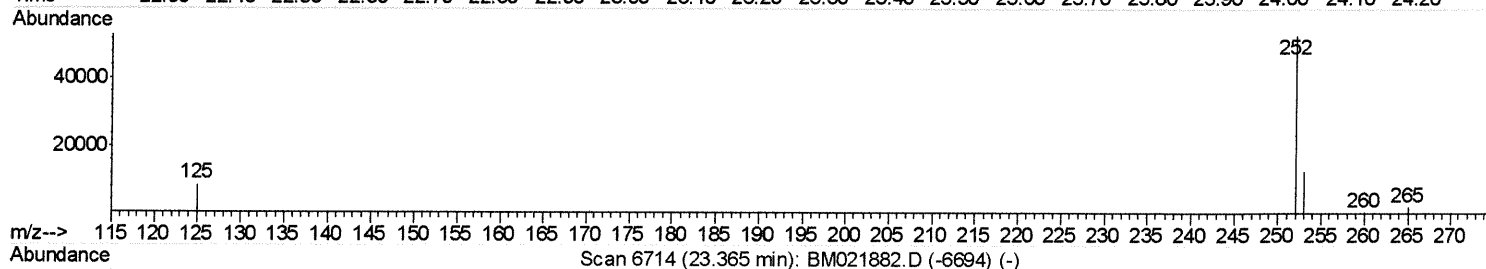
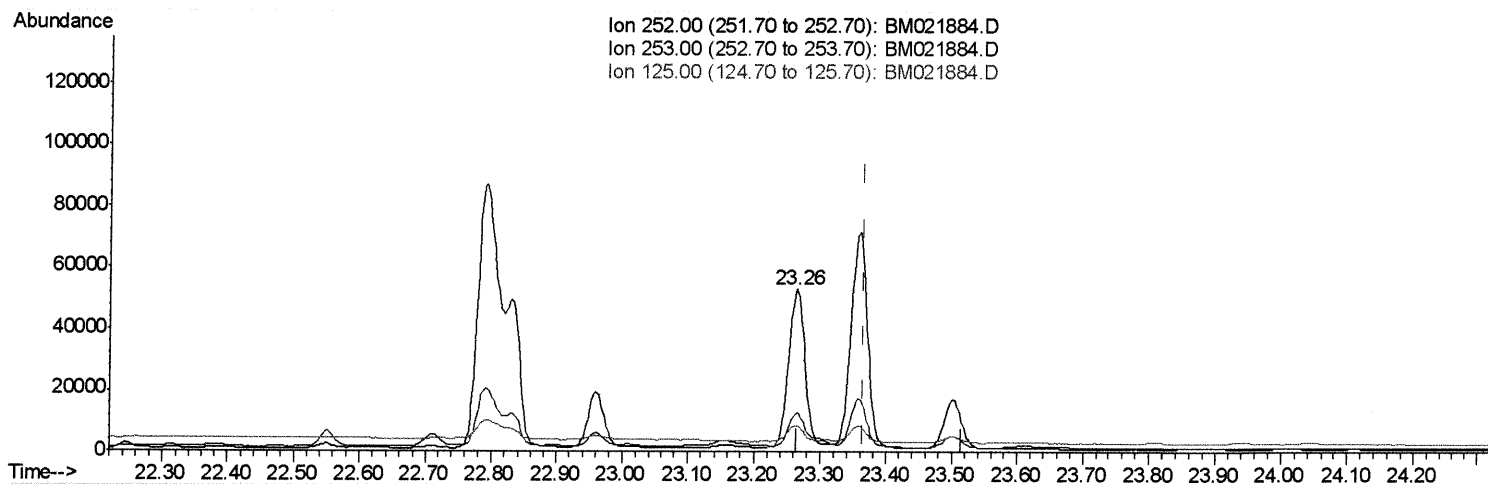
Data File : BM021884.D  
Acq On : 07 Aug 2019 07:26  
Operator : HP/JU  
Sample : K3893-12  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP16

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:13:54 PM

Quant Time: Aug 07 08:51:32 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)

23.264min (-0.102) 4.72ng/ul

response 90686

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 39.60 | 24.13# |
| 125.00 | 18.20 | 16.03  |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080619\  
Quantitation Report (Qedit)

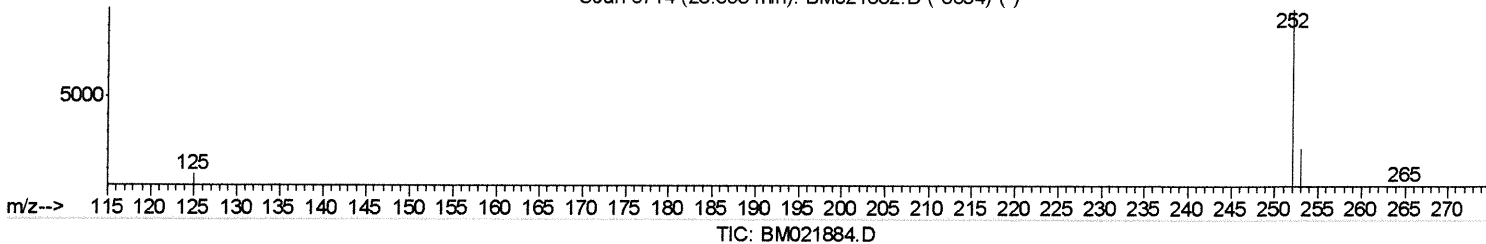
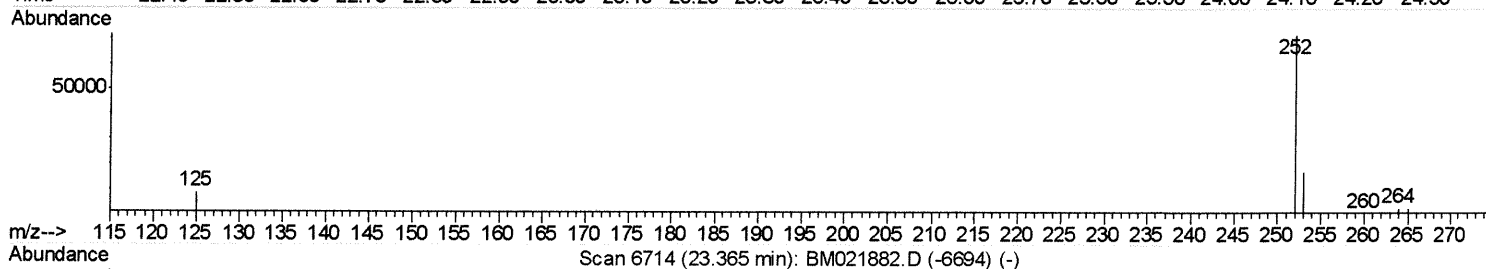
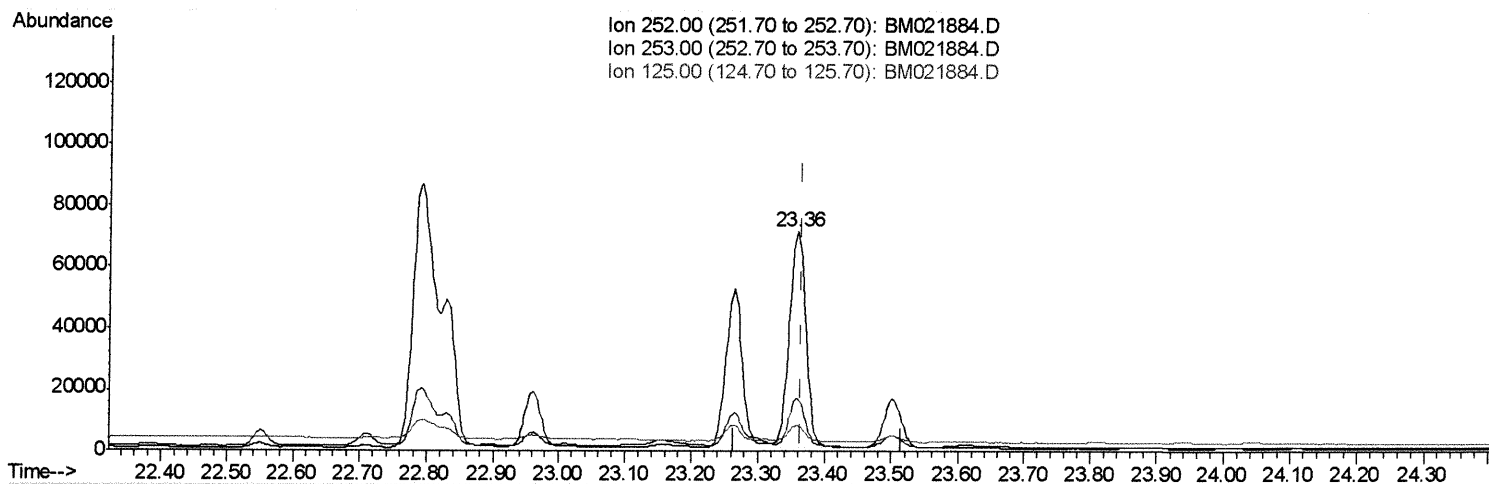
Data File : BM021884.D  
Acq On : 07 Aug 2019 07:26  
Operator : HP/JU  
Sample : K3893-12  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP16

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:13:54 PM

Quant Time: Aug 07 08:51:32 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)

23.358min (-0.007) 6.30ng/ul m *JU 08/07/19*

response 120873

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 39.60 | 23.98# |
| 125.00 | 18.20 | 11.79# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080619\  
Quantitation Report (Qedit)

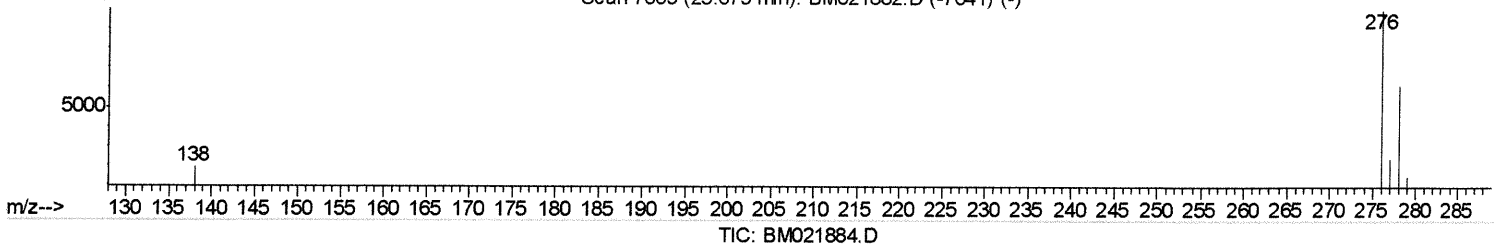
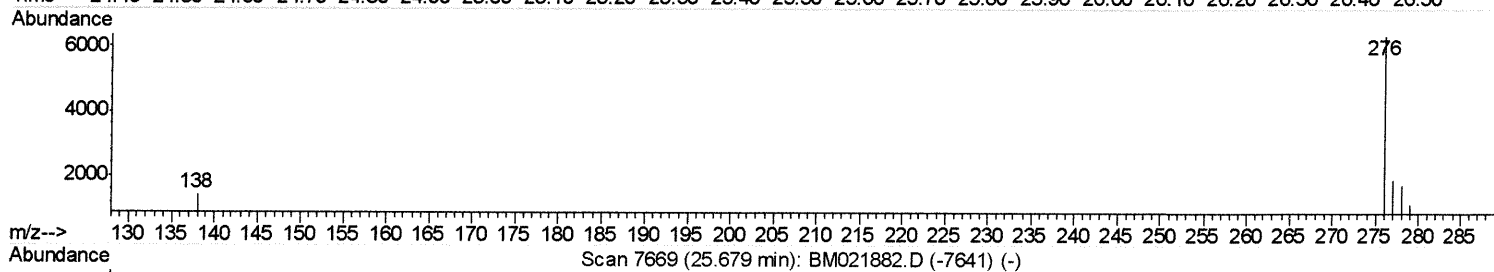
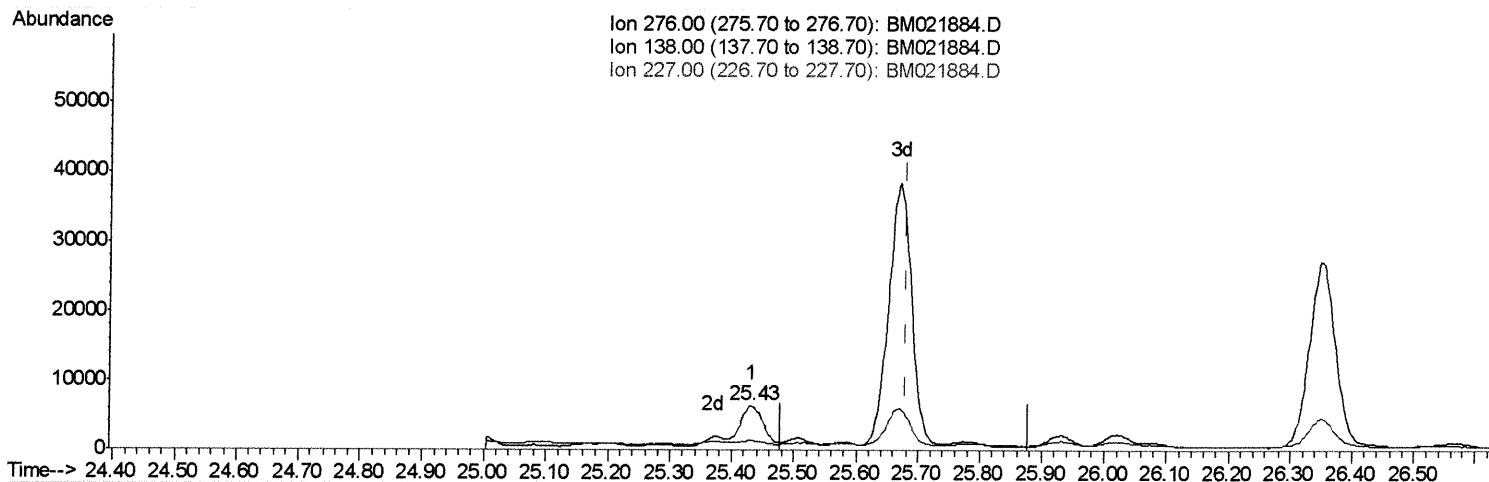
Data File : BM021884.D  
Acq On : 07 Aug 2019 07:26  
Operator : HP/JU  
Sample : K3893-12  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP16

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:13:54 PM

Quant Time: Aug 07 08:51:32 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

25.432min (-0.247) 0.63ng/ul

response 14493

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 18.90 | 10.76# |
| 227.00 | 0.00  | 0.00   |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080619\  
Quantitation Report (Qedit)

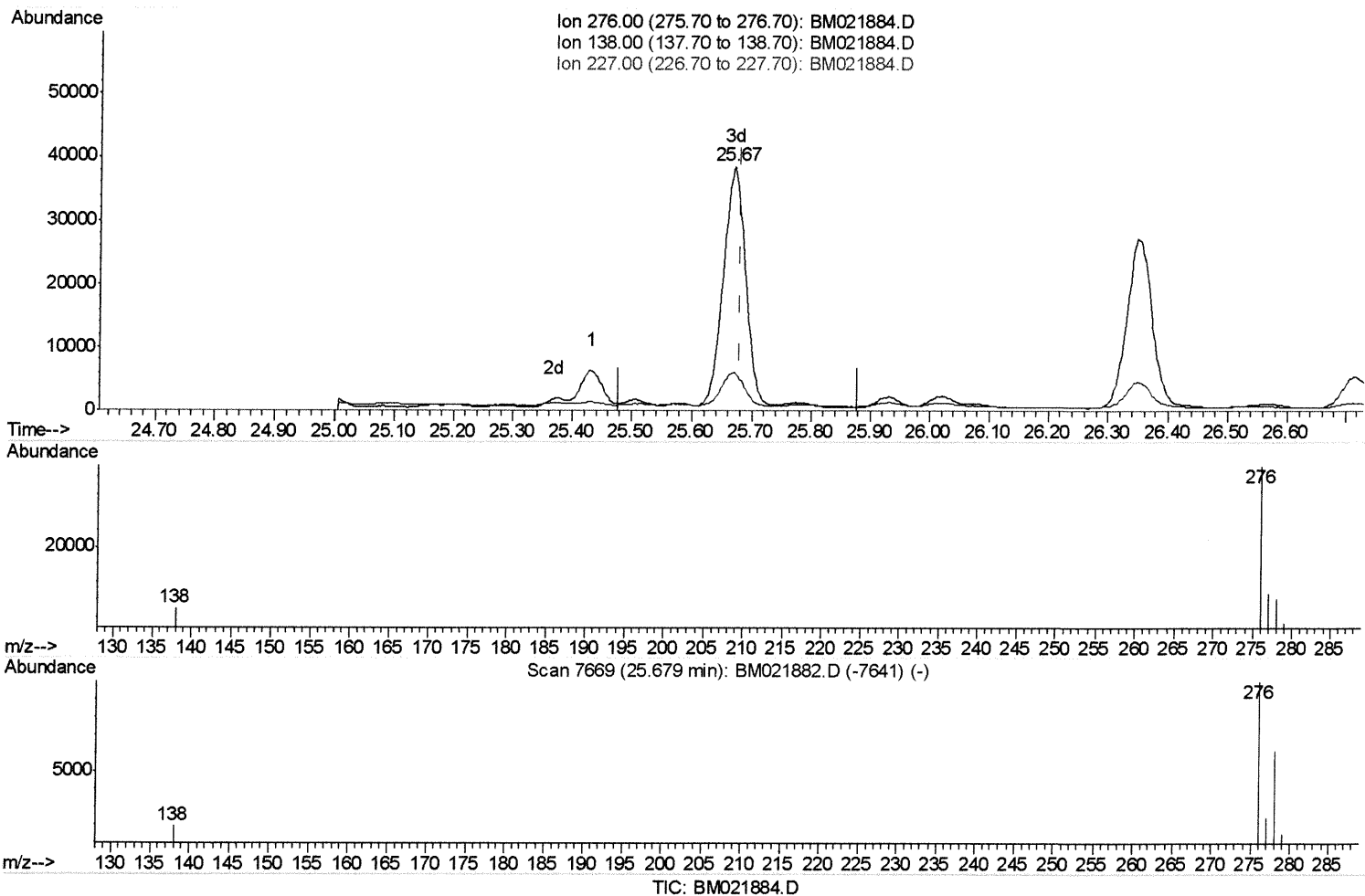
Data File : BM021884.D  
Acq On : 07 Aug 2019 07:26  
Operator : HP/JU  
Sample : K3893-12  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP16

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:13:54 PM

Quant Time: Aug 07 08:51:32 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

25.669min (-0.010) 4.34ng/ul m *JU 08/07/19*

response 99581

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 18.90 | 1.57# |
| 227.00 | 0.00  | 0.00  |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080619\  
Quantitation Report (Qedit)

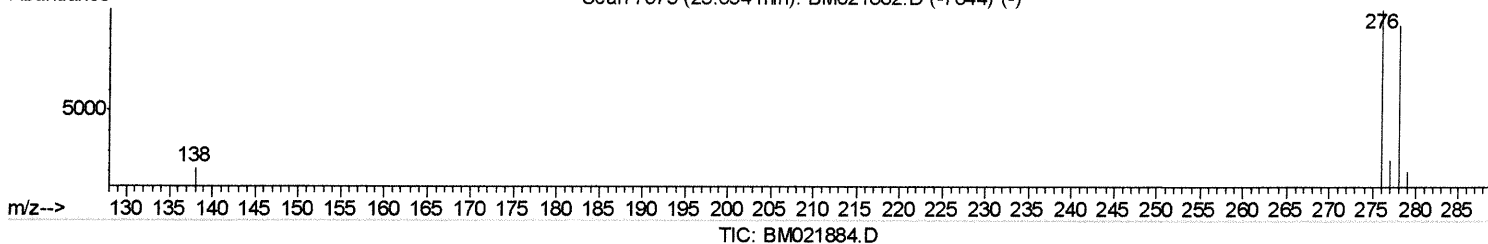
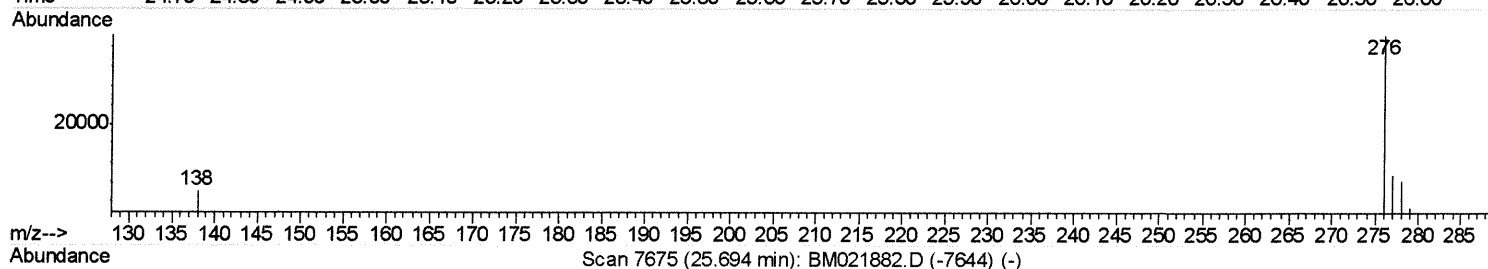
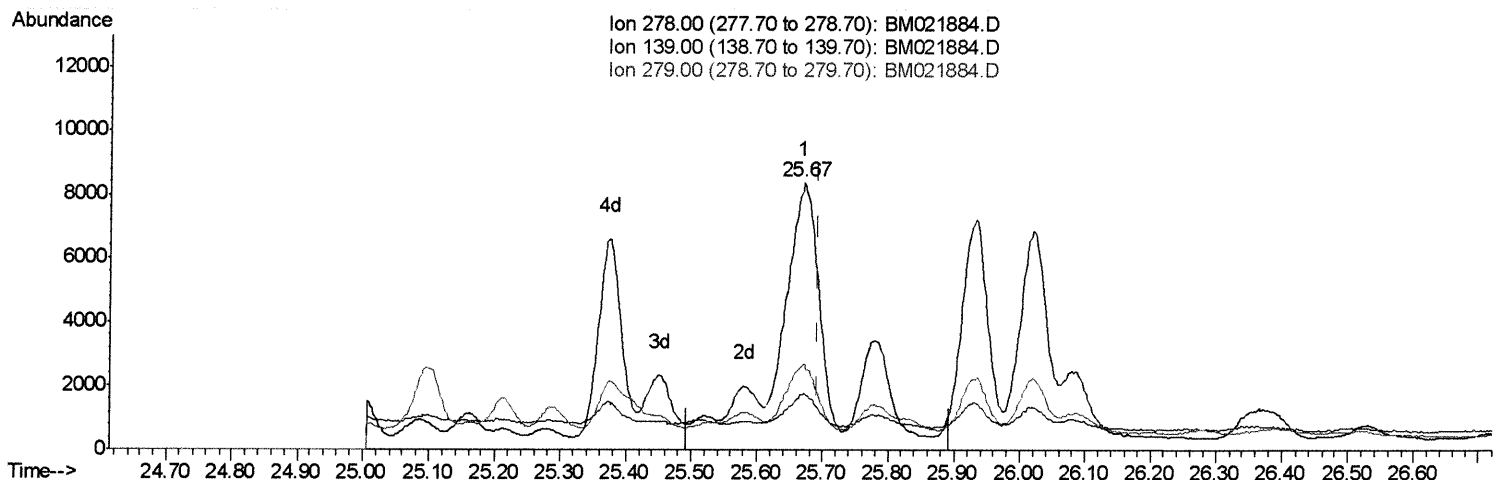
Data File : BM021884.D  
Acq On : 07 Aug 2019 07:26  
Operator : HP/JU  
Sample : K3893-12  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP16

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:13:54 PM

Quant Time: Aug 07 08:51:32 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

25.669min (-0.024) 1.29ng/ul

response 23987

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 278.00 | 100   | 100   |
| 139.00 | 17.70 | 20.94 |
| 279.00 | 35.40 | 32.16 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080619\  
Quantitation Report (Qedit)

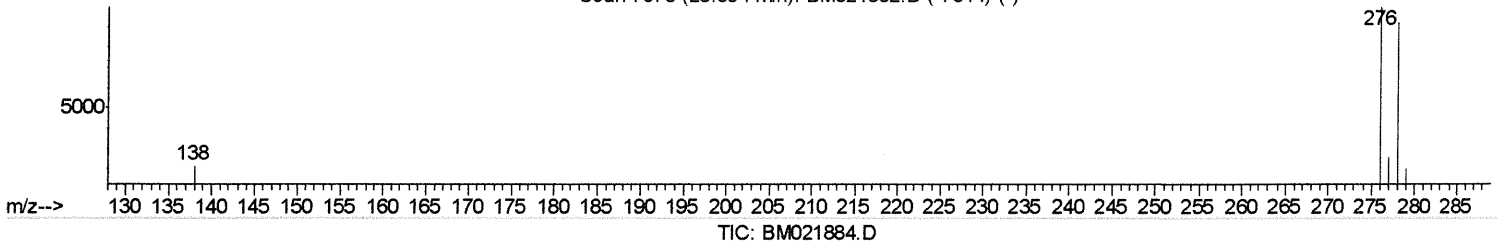
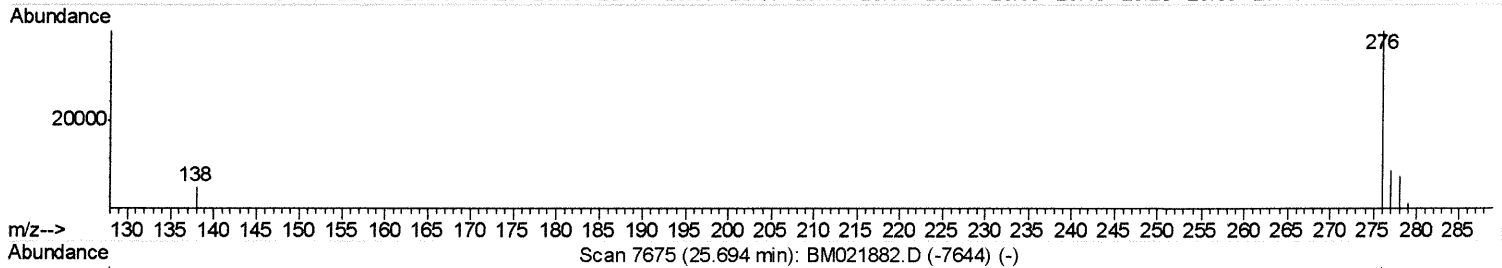
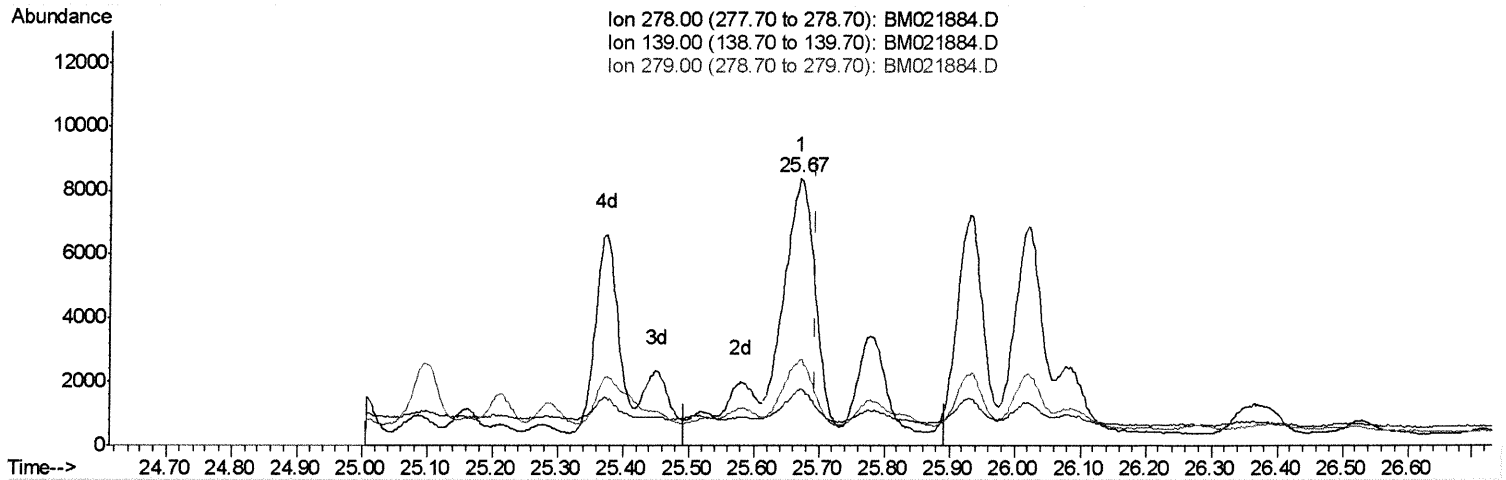
Data File : BM021884.D  
Acq On : 07 Aug 2019 07:26  
Operator : HP/JU  
Sample : K3893-12  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP16

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:13:54 PM

Quant Time: Aug 07 08:51:32 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

25.669min (-0.024) 1.39ng/ul m 08/07/19

response 25751

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 278.00 | 100   | 100   |
| 139.00 | 17.70 | 20.94 |
| 279.00 | 35.40 | 32.16 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080619\  
Quantitation Report (Qedit)

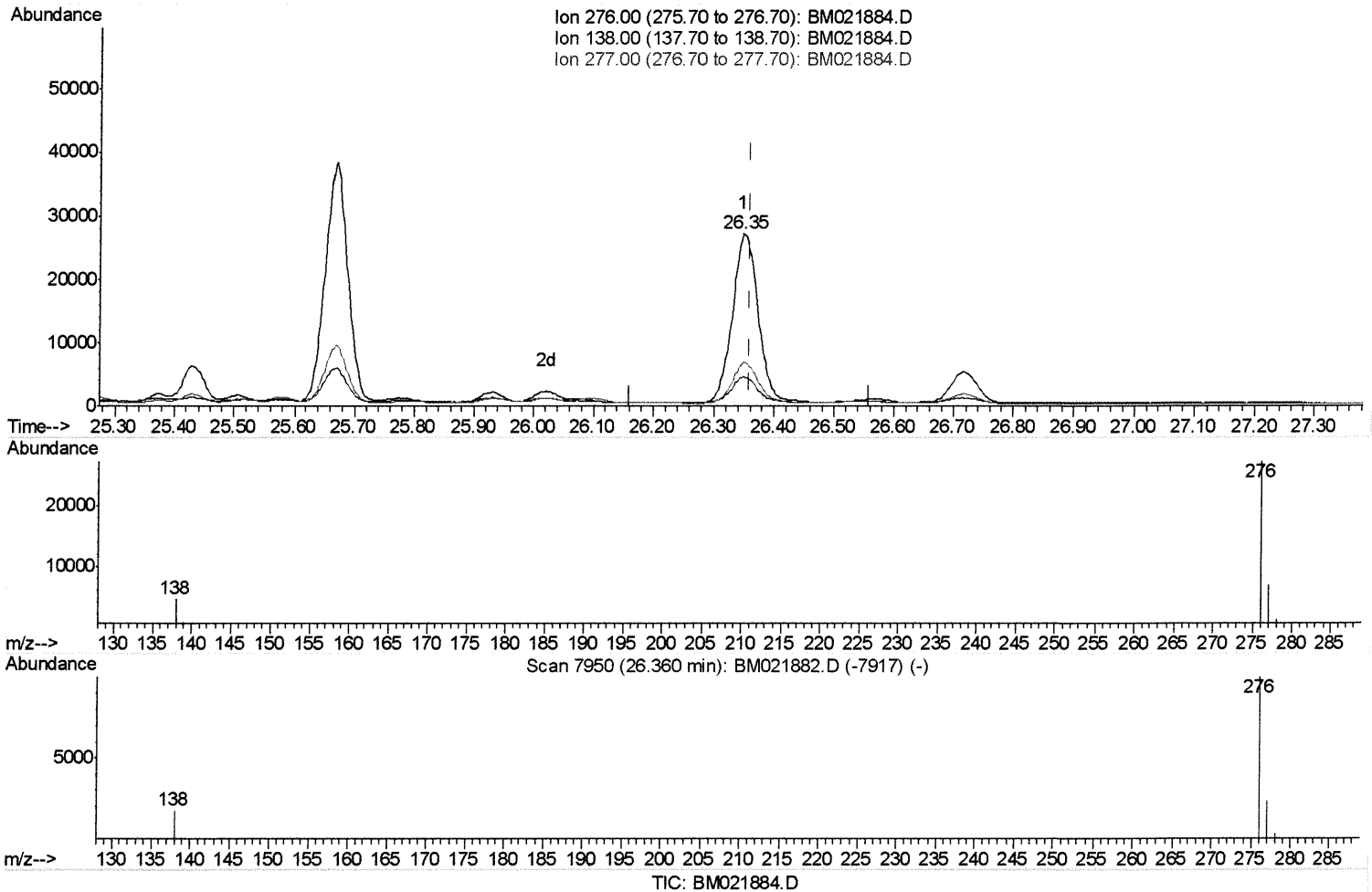
Data File : BM021884.D  
Acq On : 07 Aug 2019 07:26  
Operator : HP/JU  
Sample : K3893-12  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP16

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:13:54 PM

Quant Time: Aug 07 08:51:32 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  
26.348min (-0.012) 3.59ng/ul  
response 74072

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 19.40 | 16.82 |
| 277.00 | 26.80 | 24.83 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080619\  
Quantitation Report (Qedit)

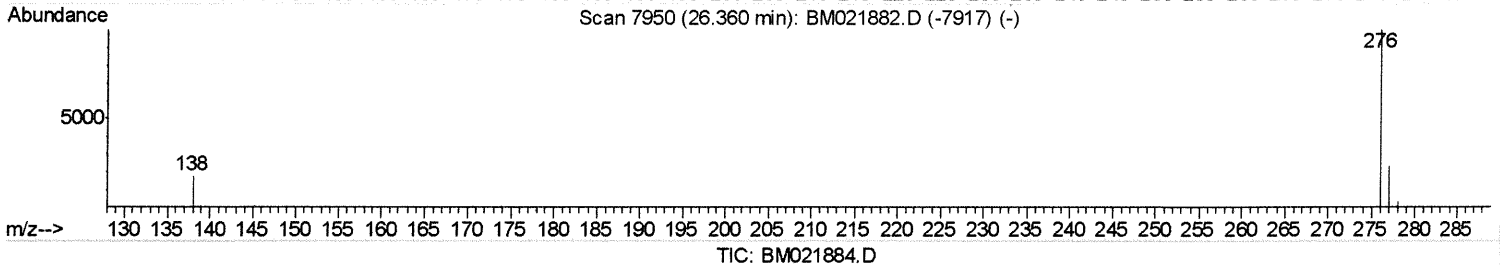
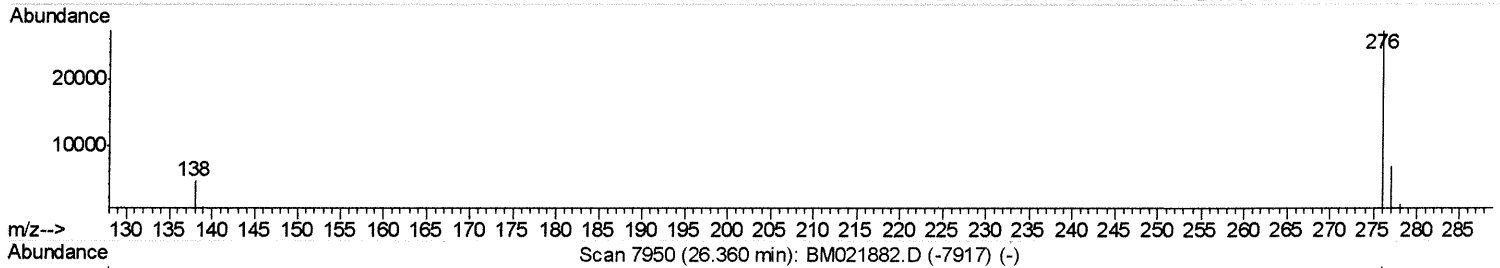
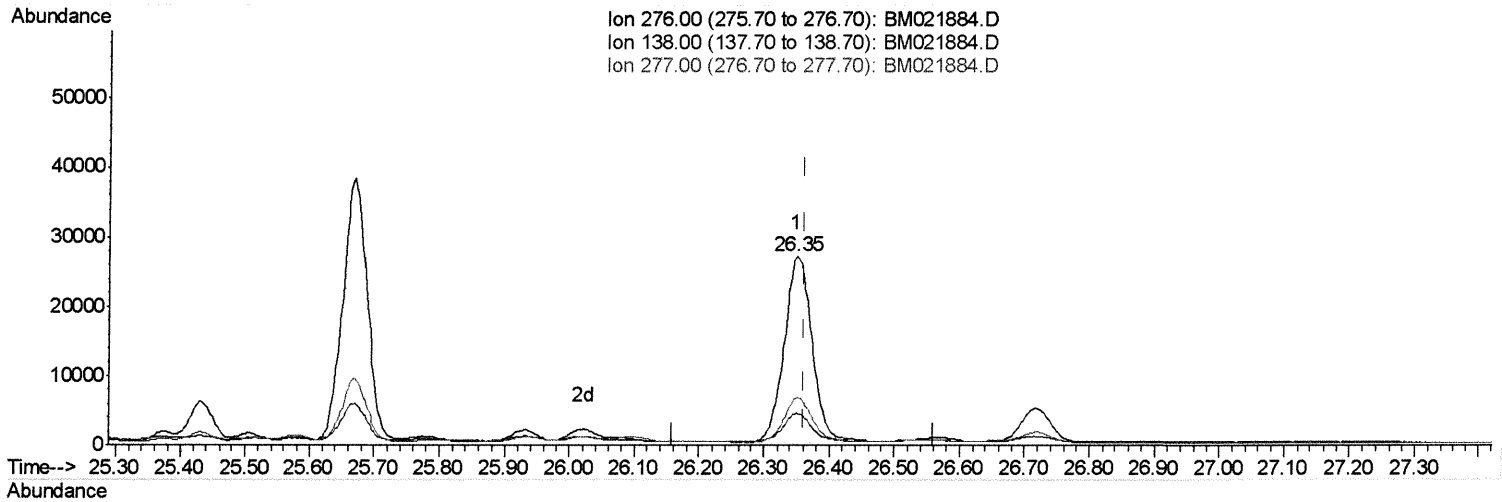
Data File : BM021884.D  
Acq On : 07 Aug 2019 07:26  
Operator : HP/JU  
Sample : K3893-12  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP16

Manual Integrations  
APPROVED

mohammad  
8/7/2019 12:13:54 PM

Quant Time: Aug 07 08:51:32 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

26.348min (-0.012) 3.85ng/ul m

response 79371

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 19.40 | 16.82 |
| 277.00 | 26.80 | 24.83 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080619\  
 Quantitation Report (QT Reviewed)  
 Data File : BM021884.D  
 Acq On : 07 Aug 2019 07:26  
 Operator : HP/JU  
 Sample : K3893-12  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BEP16

Manual Integrations  
 APPROVED

mohammad  
 8/7/2019 12:13:54 PM

Quant Time: Aug 07 08:53:52 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

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.63  | 152  | 878      | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.41 | 136  | 3620     | 0.40 | ng/ul | -0.02    |
| 6) Acenaphthene-d10       | 14.28 | 164  | 2113     | 0.40 | ng/ul | -0.01    |
| 10) Phenanthrene-d10      | 17.03 | 188  | 5613m →  | 0.40 | ng/ul | -0.02    |
| 16) Chrysene-d12          | 21.24 | 240  | 5408m →  | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.45 | 264  | 5599m →  | 0.40 | ng/ul | 0.00     |

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System Monitoring Compounds

|                            |       |     |         |      |       |       |
|----------------------------|-------|-----|---------|------|-------|-------|
| 4) 2-Methylnaphthalene-d10 | 12.00 | 152 | 1510    | 0.25 | ng/ul | -0.03 |
| 14) Fluoranthene-d10       | 19.07 | 212 | 4472m → | 0.24 | ng/ul | -0.01 |

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| Target Compounds           | R.T.  | QIon | Response  | Conc   | Units  | Qvalue |
|----------------------------|-------|------|-----------|--------|--------|--------|
| 3) Naphthalene             | 10.46 | 128  | 3982      | 0.389  | ng/ul  | 96     |
| 5) 2-Methylnaphthalene     | 12.08 | 142  | 2753      | 0.404  | ng/ul  | 99     |
| 7) Acenaphthylene          | 14.00 | 152  | 14468     | 1.468  | ng/ul# | 82     |
| 8) Acenaphthene            | 14.34 | 153  | 2624      | 0.325  | ng/ul  | 98     |
| 9) Fluorene                | 15.33 | 166  | 3947      | 0.441  | ng/ul  | 99     |
| 12) Phenanthrene           | 17.08 | 178  | 75991m →  | 4.653  | ng/ul  | 99     |
| 13) Anthracene             | 17.17 | 178  | 22132m →  | 1.589  | ng/ul  | 99     |
| 15) Fluoranthene           | 19.10 | 202  | 229003m → | 10.467 | ng/ul  | 99     |
| 17) Pyrene                 | 19.47 | 202  | 184731    | 8.313  | ng/ul  | 97     |
| 18) Benzo(a)anthracene     | 21.22 | 228  | 124614    | 6.442  | ng/ul  | 99     |
| 19) Chrysene               | 21.27 | 228  | 125708    | 5.053  | ng/ul  | 98     |
| 21) Benzo(b)fluoranthene   | 22.79 | 252  | 191877m → | 10.163 | ng/ul  | 99     |
| 22) Benzo(k)fluoranthene   | 22.83 | 252  | 70153m →  | 3.283  | ng/ul  | 99     |
| 23) Benzo(a)pyrene         | 23.36 | 252  | 120873m → | 6.295  | ng/ul  | 99     |
| 24) Indeno(1,2,3-cd)pyrene | 25.67 | 276  | 99581m →  | 4.344  | ng/ul  | 99     |
| 25) Dibenzo(a,h)anthracene | 25.67 | 278  | 25751m →  | 1.390  | ng/ul  | 99     |
| 26) Benzo(g,h,i)perylene   | 26.35 | 276  | 79371m →  | 3.845  | ng/ul  | 99     |

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