

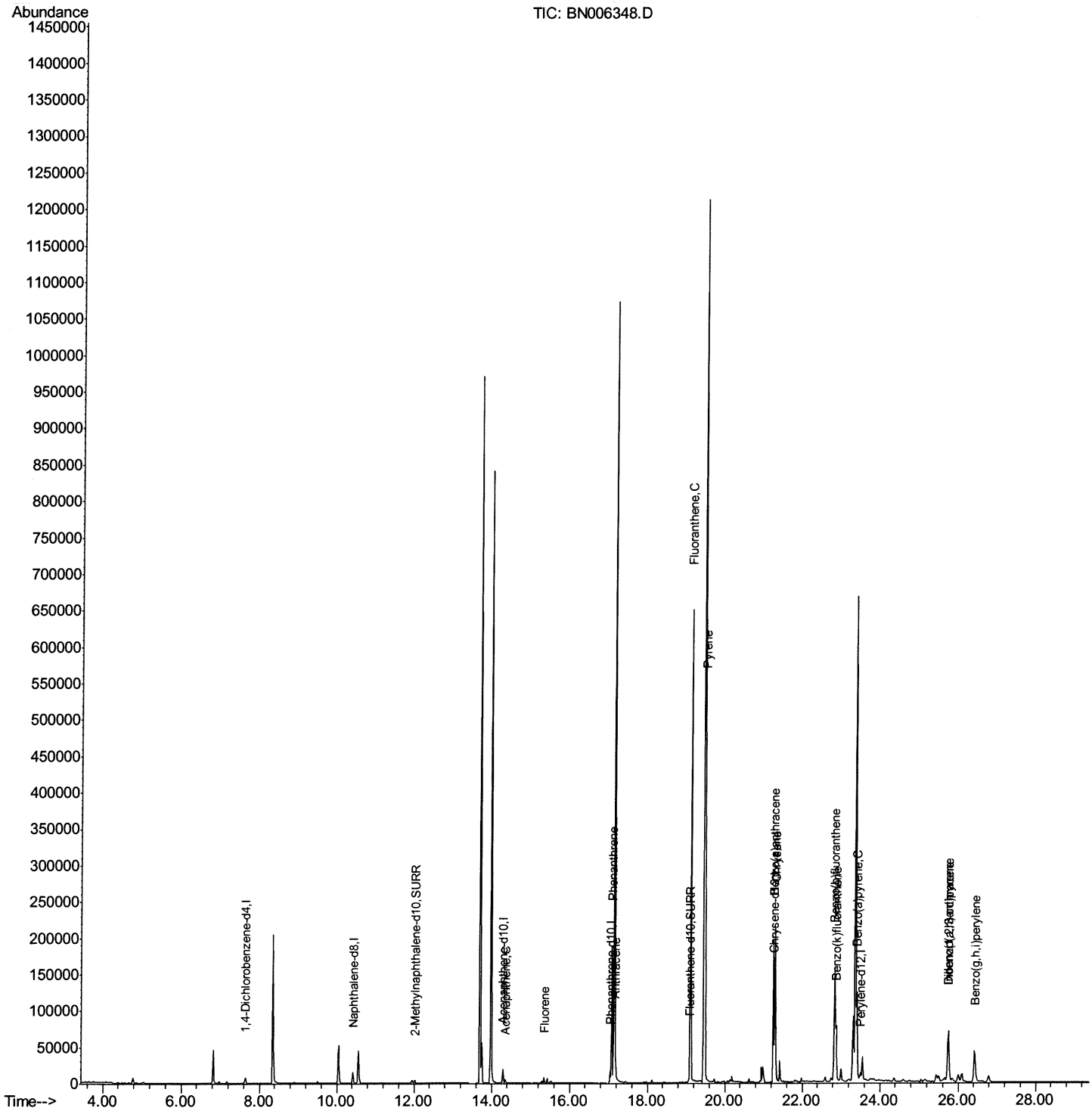
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
Data File : BN006348.D  
Acq On : 17 Jun 2019 15:16  
Operator : JU/SJ  
Sample : K3332-21  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A41W0

Manual Integrations  
APPROVED

mohammad  
6/20/2019 10:51:07 AM

Quant Time: Jun 18 02:22:36 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 17 11:13:07 2019  
Response via : Initial Calibration



# Quantitation Report (Qedit)

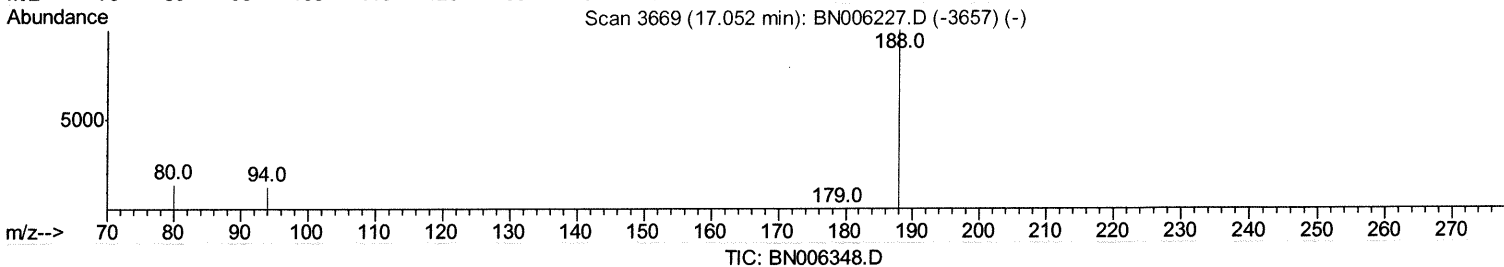
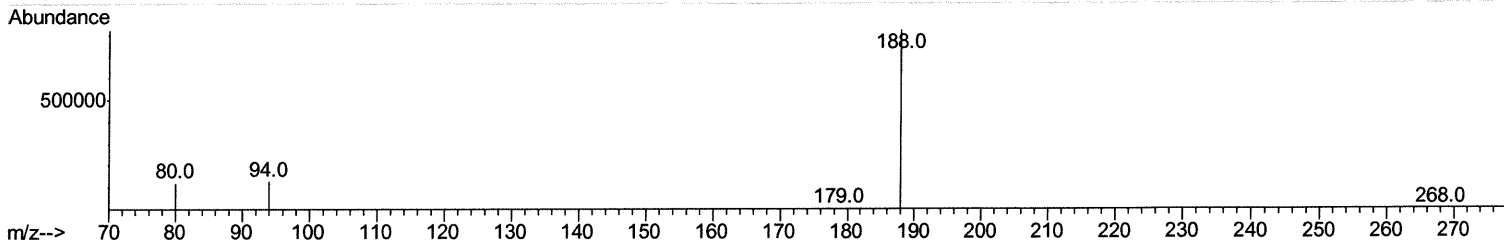
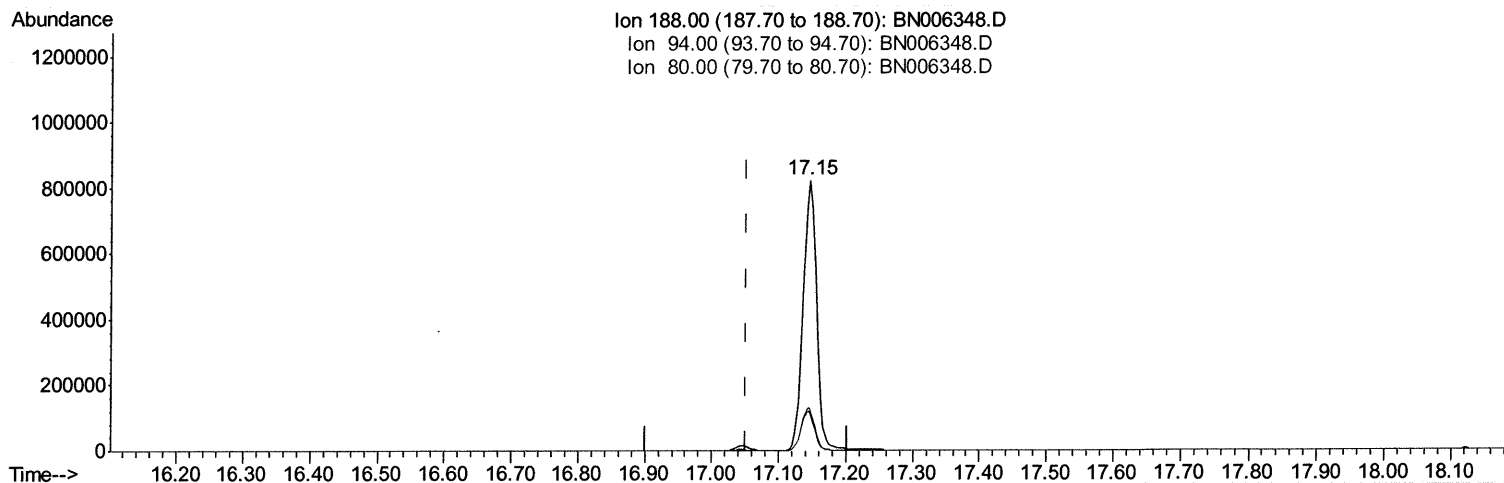
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
 Data File : BN006348.D  
 Acq On : 17 Jun 2019 15:16  
 Operator : JU/SJ  
 Sample : K3332-21  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A41W0

Manual Integrations  
 APPROVED

mohammad  
 6/20/2019 10:51:07 AM

Quant Time: Jun 18 01:51:26 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.145min (+0.093) 0.40ng/ul

response 1152020

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 188.00 | 100   | 100    |
| 94.00  | 13.00 | 15.71# |
| 80.00  | 13.60 | 14.44  |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

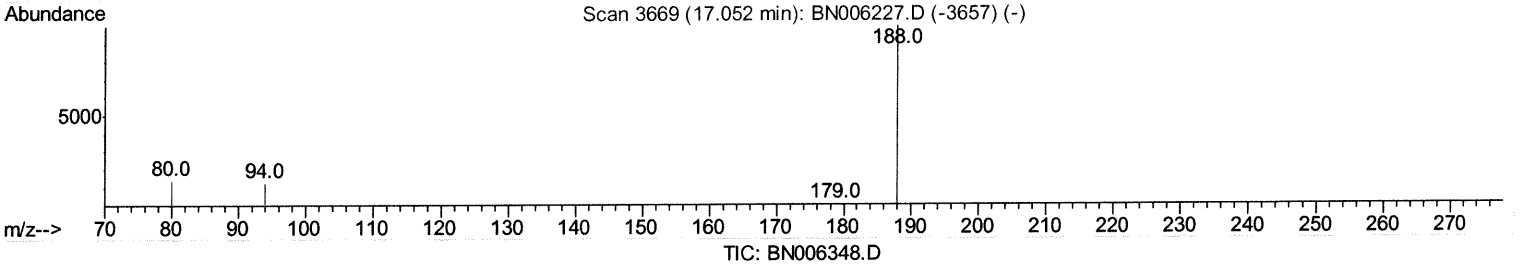
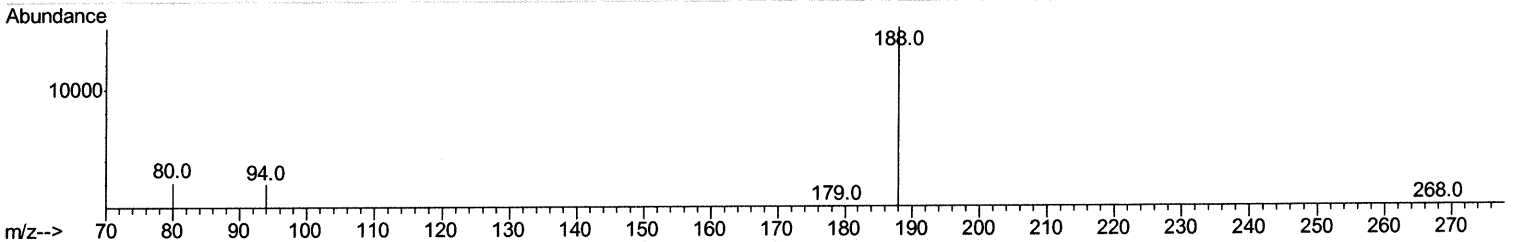
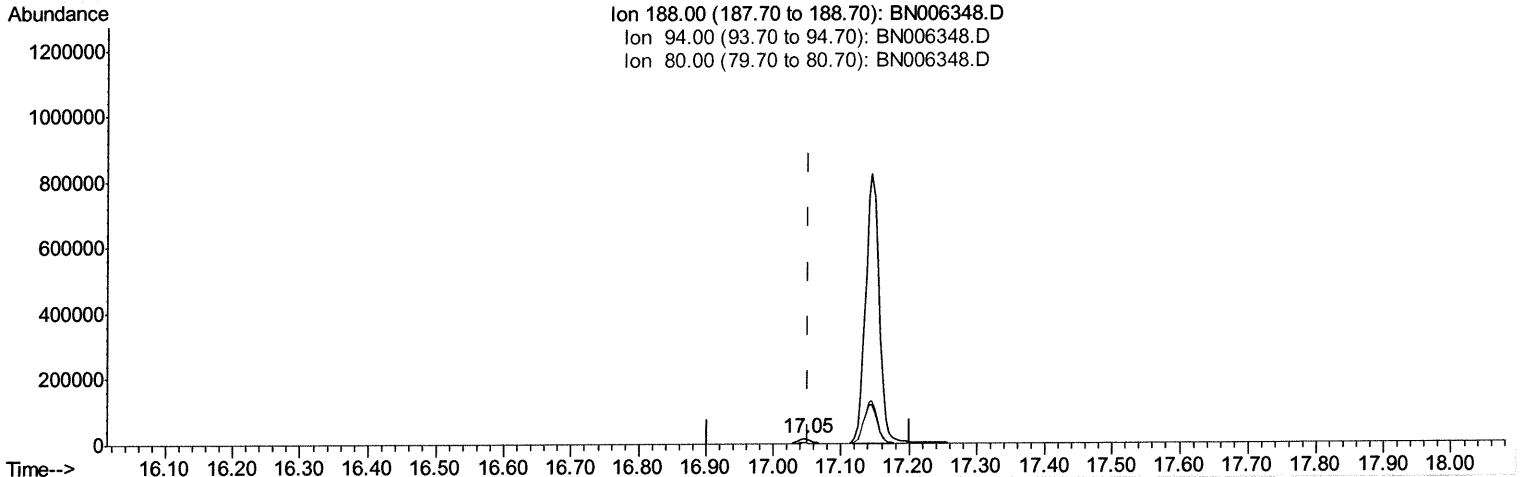
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
 Data File : BN006348.D  
 Acq On : 17 Jun 2019 15:16  
 Operator : JU/SJ  
 Sample : K3332-21  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A41W0

Manual Integrations  
 APPROVED

mohammad  
 6/20/2019 10:51:07 AM

Quant Time: Jun 18 01:51:26 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.048min (-0.004) 0.40ng/ul m *Ju* 06/18/19

response 21533

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 13.00 | 13.19 |
| 80.00  | 13.60 | 14.31 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

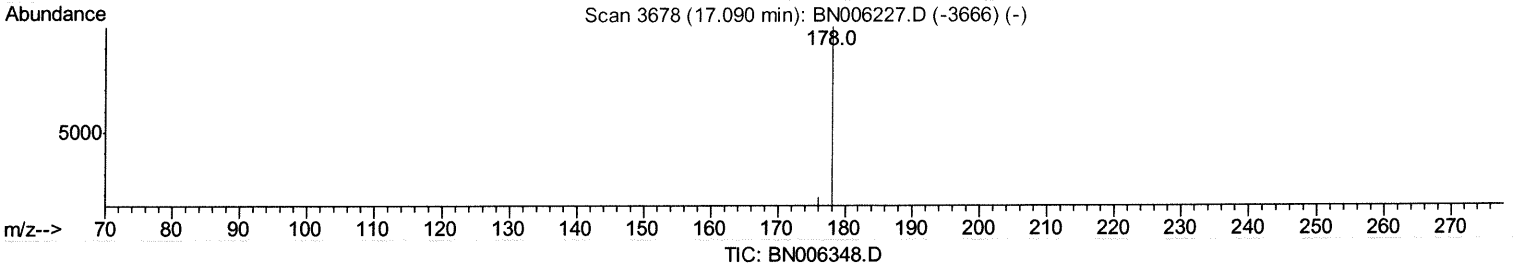
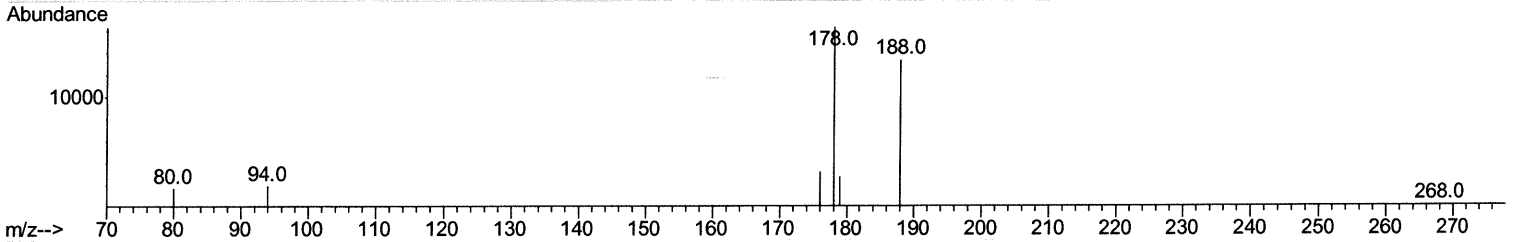
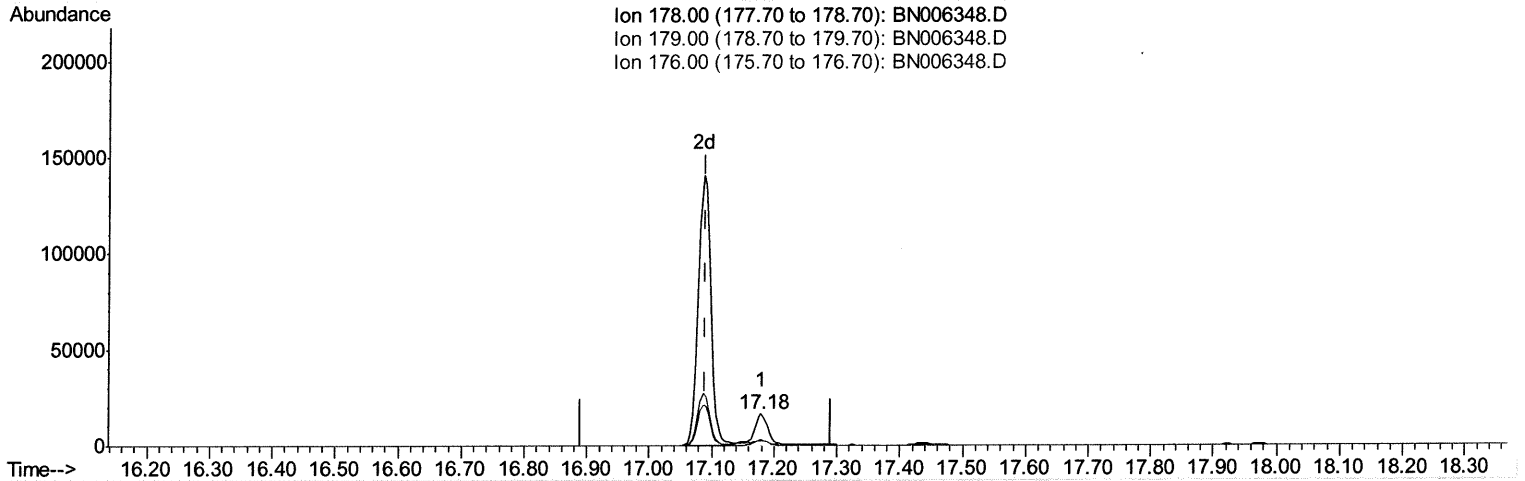
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
 Data File : BN006348.D  
 Acq On : 17 Jun 2019 15:16  
 Operator : JU/SJ  
 Sample : K3332-21  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A41W0

Manual Integrations  
 APPROVED

mohammad  
 6/20/2019 10:51:07 AM

Quant Time: Jun 18 02:15:59 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration



(12) Phenanthrene

17.179min (+0.089) 0.38ng/ul

response 25955

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 15.40 | 16.74 |
| 176.00 | 19.10 | 19.11 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

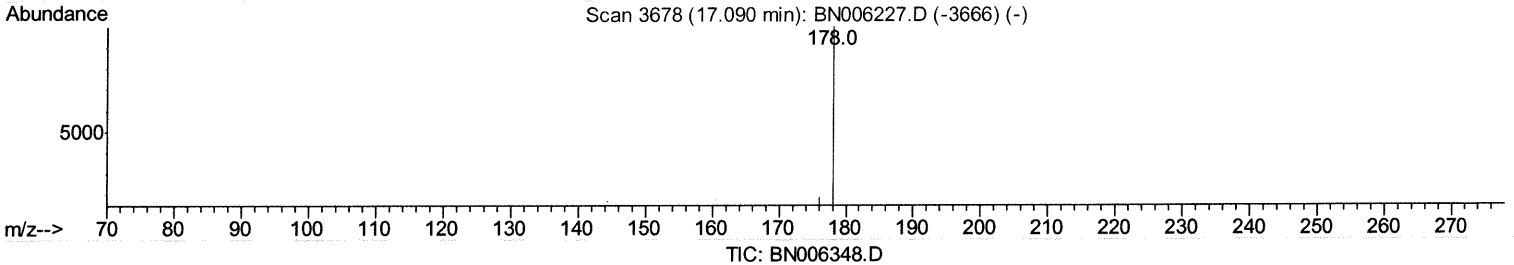
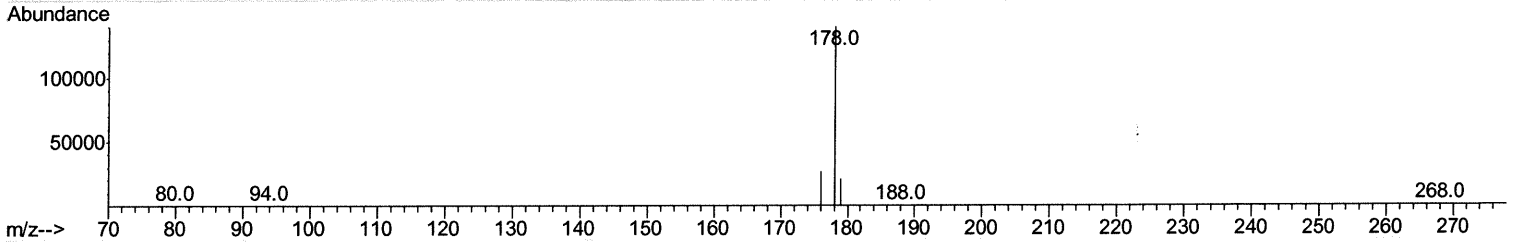
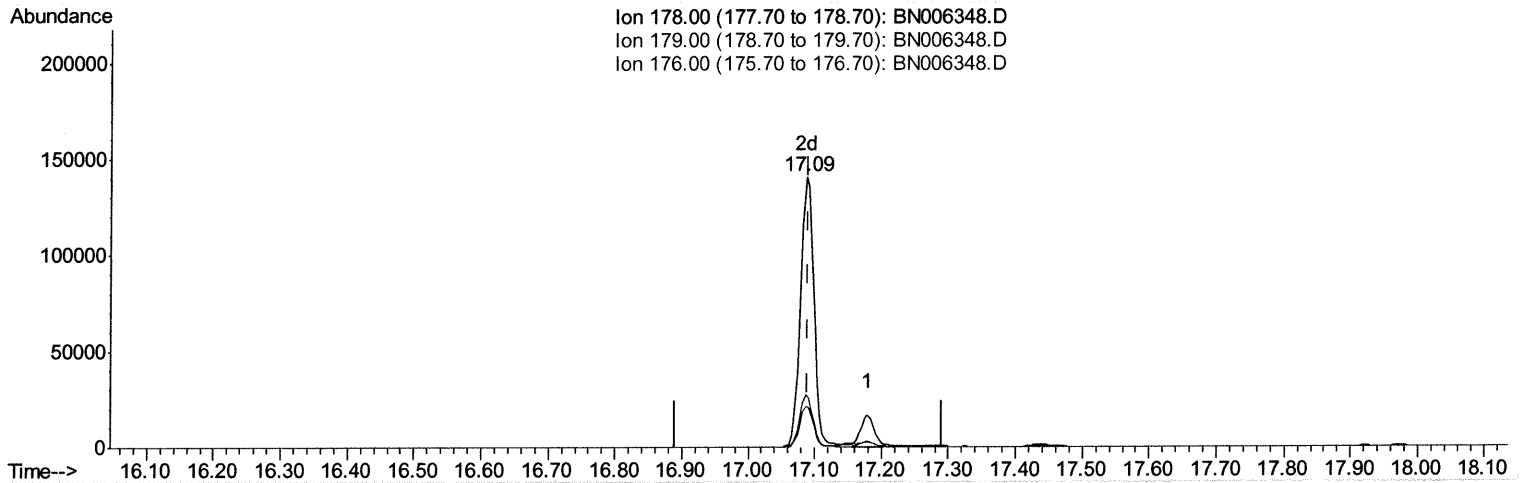
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
 Data File : BN006348.D  
 Acq On : 17 Jun 2019 15:16  
 Operator : JU/SJ  
 Sample : K3332-21  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A41W0

Manual Integrations  
 APPROVED

mohammad  
 6/20/2019 10:51:07 AM

Quant Time: Jun 18 02:15:59 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration



TIC: BN006348.D

(12) Phenanthrene

17.086min (-0.004) 2.81ng/ul m <sup>JU</sup> 06/18/19

response 194410

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 15.40 | 15.13 |
| 176.00 | 19.10 | 19.39 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

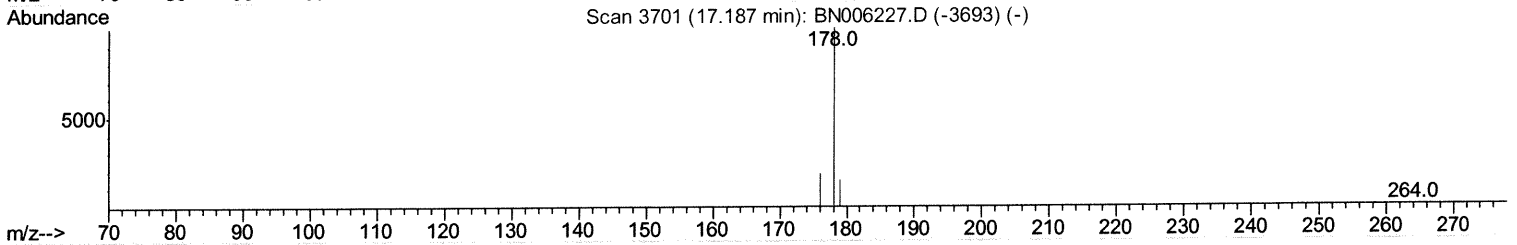
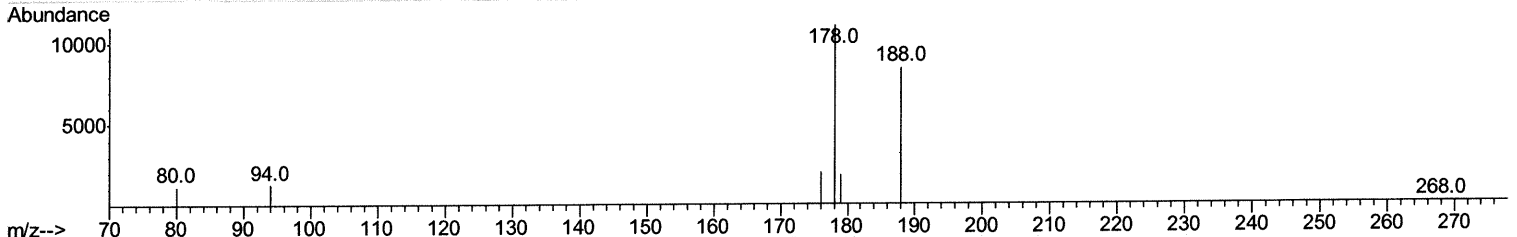
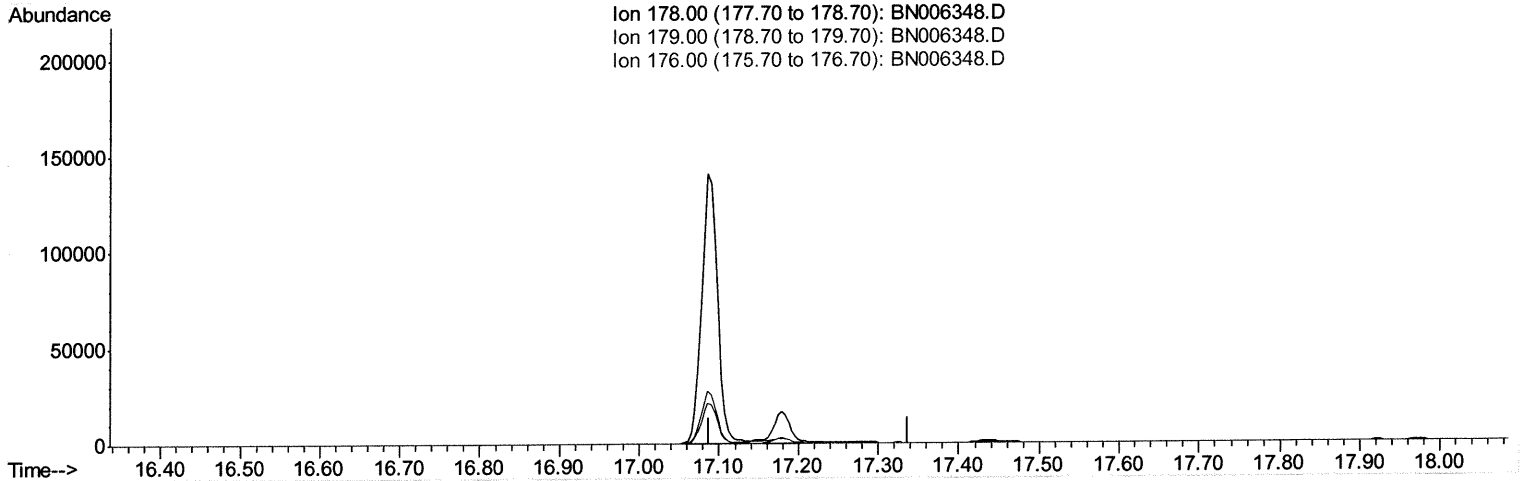
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
 Data File : BN006348.D  
 Acq On : 17 Jun 2019 15:16  
 Operator : JU/SJ  
 Sample : K3332-21  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A41W0

Manual Integrations  
 APPROVED

mohammad  
 6/20/2019 10:51:07 AM

Quant Time: Jun 18 02:15:59 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration



TIC: BN006348.D

(13) Anthracene

17.187min (-17.187) 0.00ng/ui

response 0

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 0.00  |
| 179.00 | 15.30 | 0.00# |
| 176.00 | 18.90 | 0.00# |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

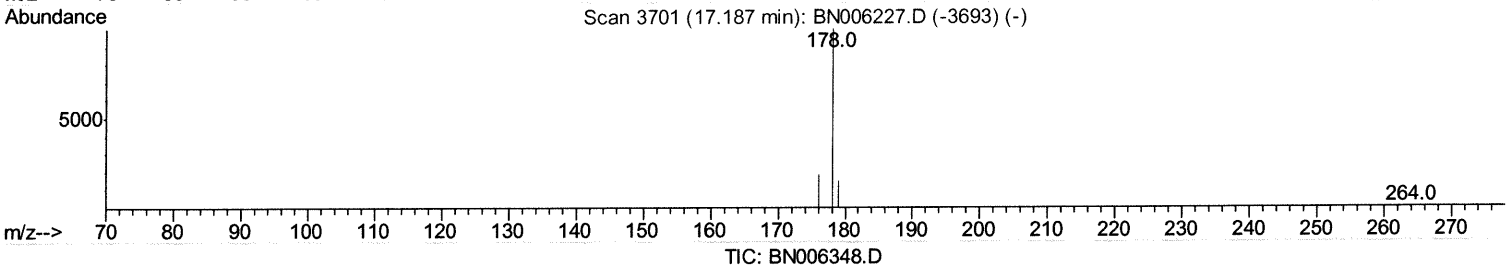
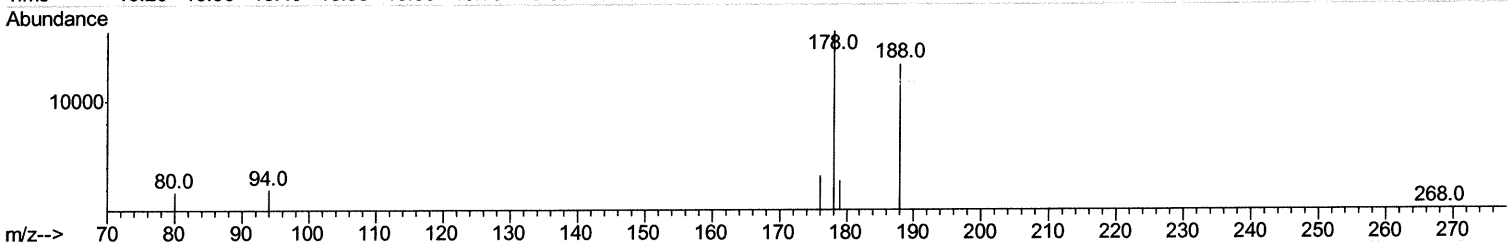
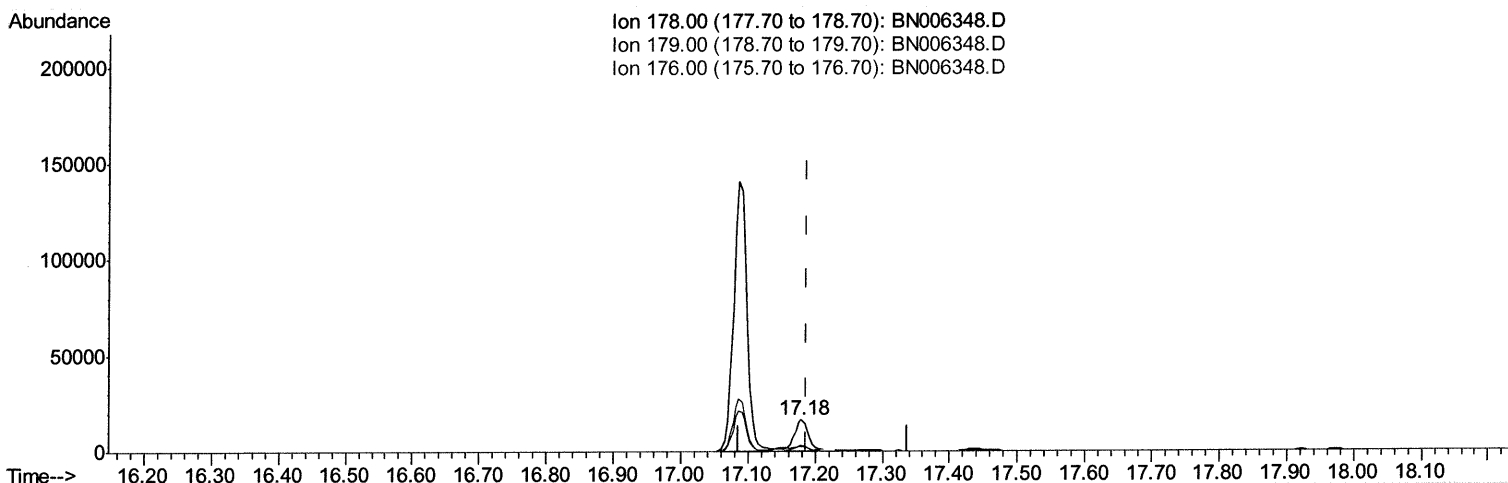
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
 Data File : BN006348.D  
 Acq On : 17 Jun 2019 15:16  
 Operator : JU/SJ  
 Sample : K3332-21  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A41W0

Manual Integrations  
 APPROVED

mohammad  
 6/20/2019 10:51:07 AM

Quant Time: Jun 18 02:15:59 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration



(13) Anthracene

17.179min (-0.008) 0.34ng/ul m *JU 06/18/19*

response 22340

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 15.30 | 16.74 |
| 176.00 | 18.90 | 19.11 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

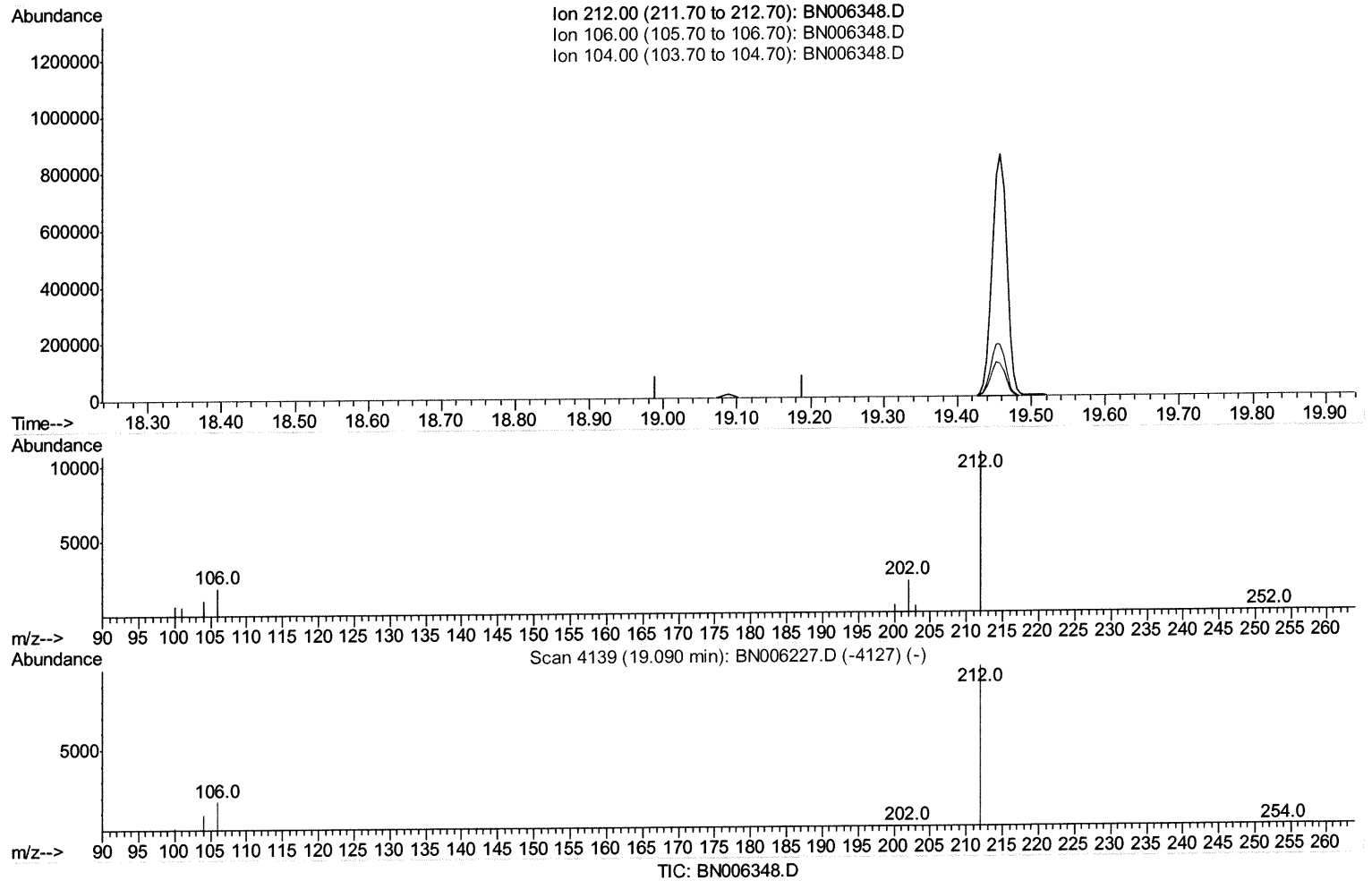
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
 Data File : BN006348.D  
 Acq On : 17 Jun 2019 15:16  
 Operator : JU/SJ  
 Sample : K3332-21  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A41W0

Manual Integrations  
 APPROVED

mohammad  
 6/20/2019 10:51:07 AM

Quant Time: Jun 18 02:15:59 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.090min (-19.090) 0.00ng/ul

response 0

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 212.00 | 100   | 0.00  |
| 106.00 | 18.10 | 0.00# |
| 104.00 | 9.90  | 0.00# |
| 0.00   | 0.00  | 0.00  |



# Quantitation Report (Qedit)

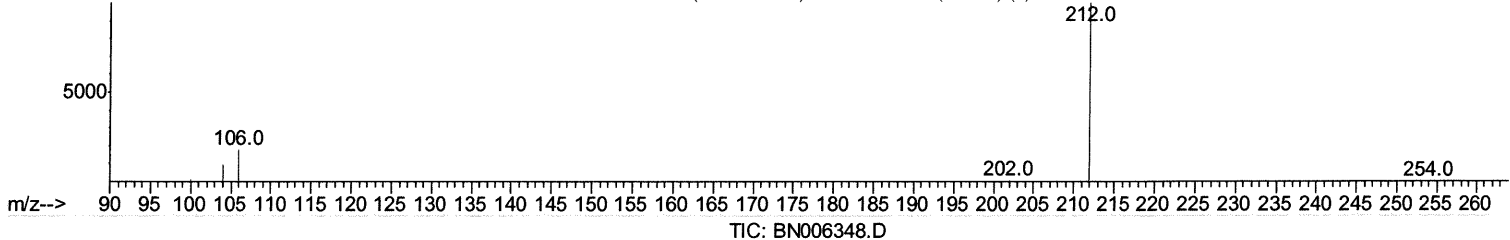
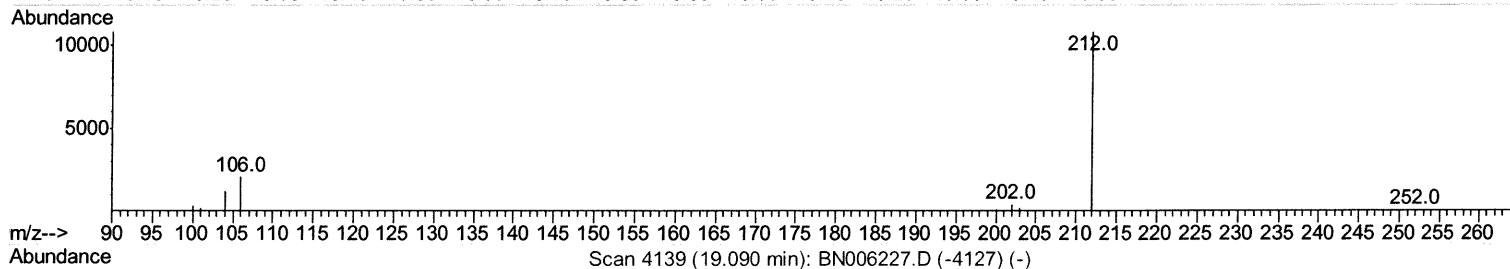
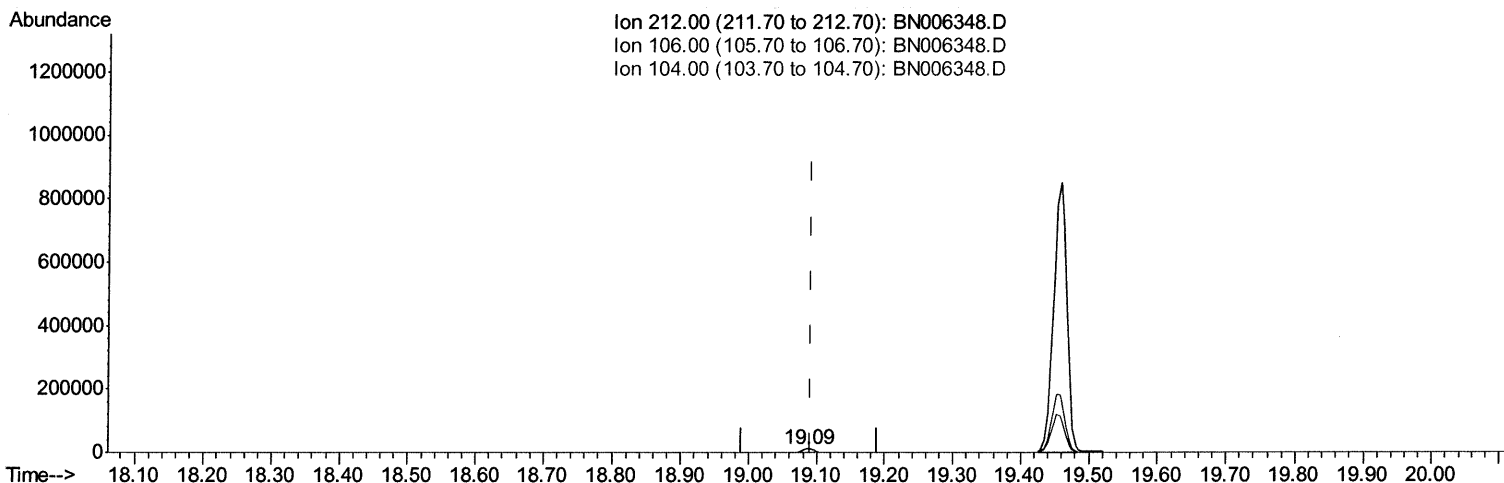
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
 Data File : BN006348.D  
 Acq On : 17 Jun 2019 15:16  
 Operator : JU/SJ  
 Sample : K3332-21  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A41W0

Manual Integrations  
 APPROVED

mohammad  
 6/20/2019 10:51:07 AM

Quant Time: Jun 18 02:15:59 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.086min (-0.005) 0.24ng/ul m *JU 06/18/19*

response 14131

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 212.00 | 100   | 100   |
| 106.00 | 18.10 | 0.00# |
| 104.00 | 9.90  | 0.00# |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

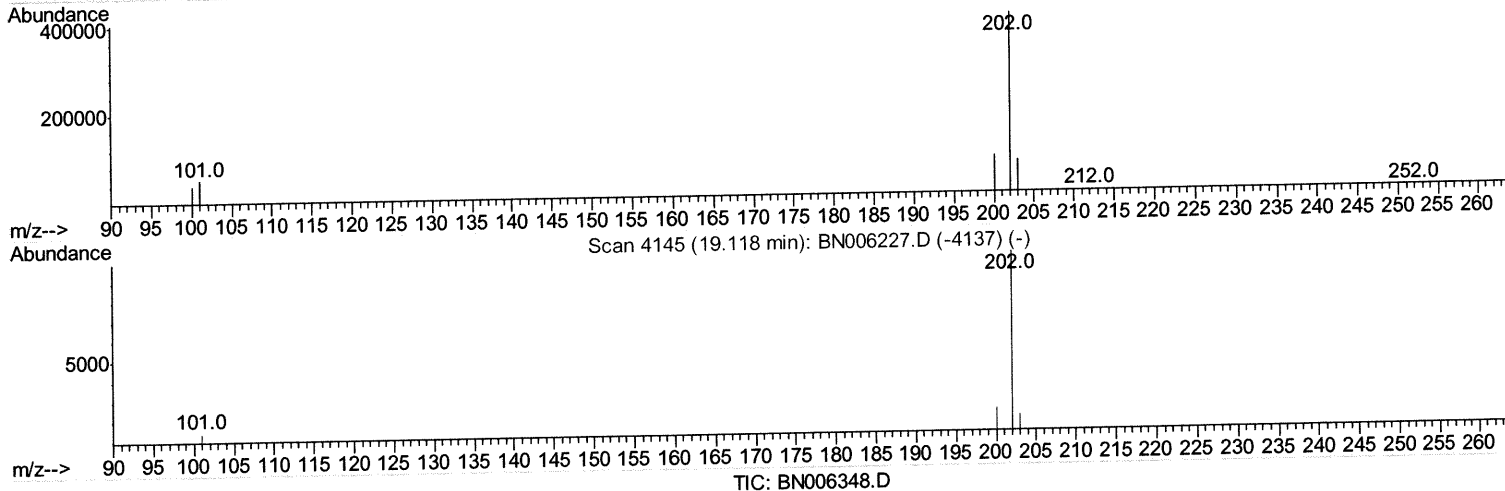
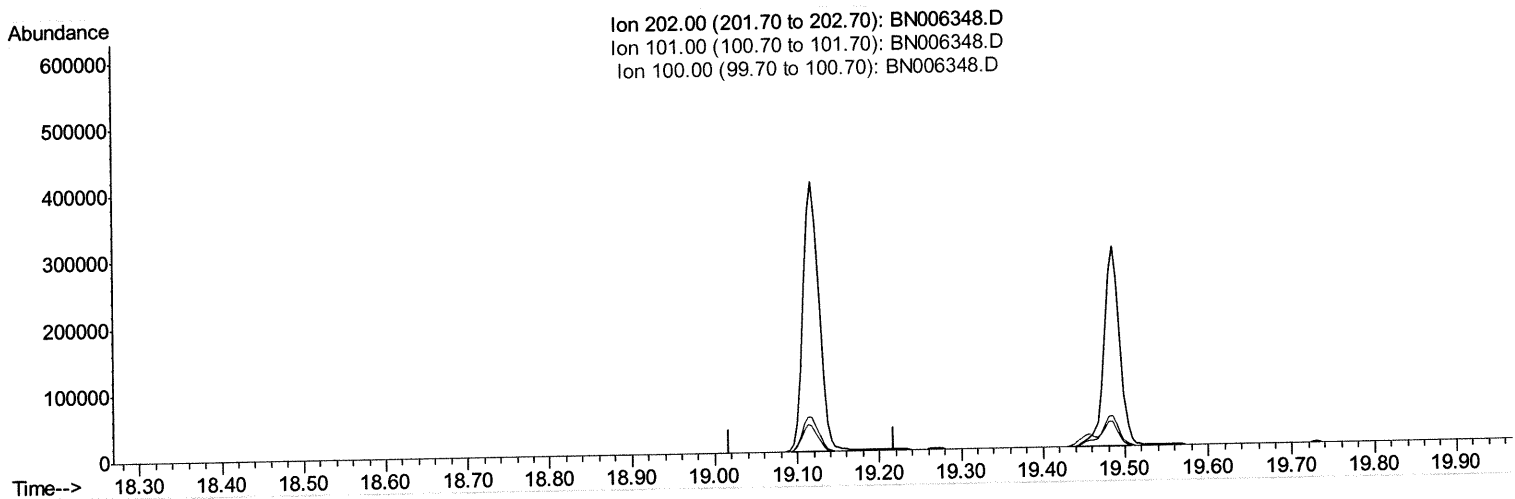
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
 Data File : BN006348.D  
 Acq On : 17 Jun 2019 15:16  
 Operator : JU/SJ  
 Sample : K3332-21  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A41W0

Manual Integrations  
 APPROVED

mohammad  
 6/20/2019 10:51:07 AM

Quant Time: Jun 18 02:15:59 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration



(15) Fluoranthene (C)

19.118min (-19.118) 0.00ng/ul

response 0

| Ion    | Exp%  | Act% |
|--------|-------|------|
| 202.00 | 100   | 0.00 |
| 101.00 | 12.10 | 0.00 |
| 100.00 | 8.70  | 0.00 |
| 0.00   | 0.00  | 0.00 |

# Quantitation Report (Qedit)

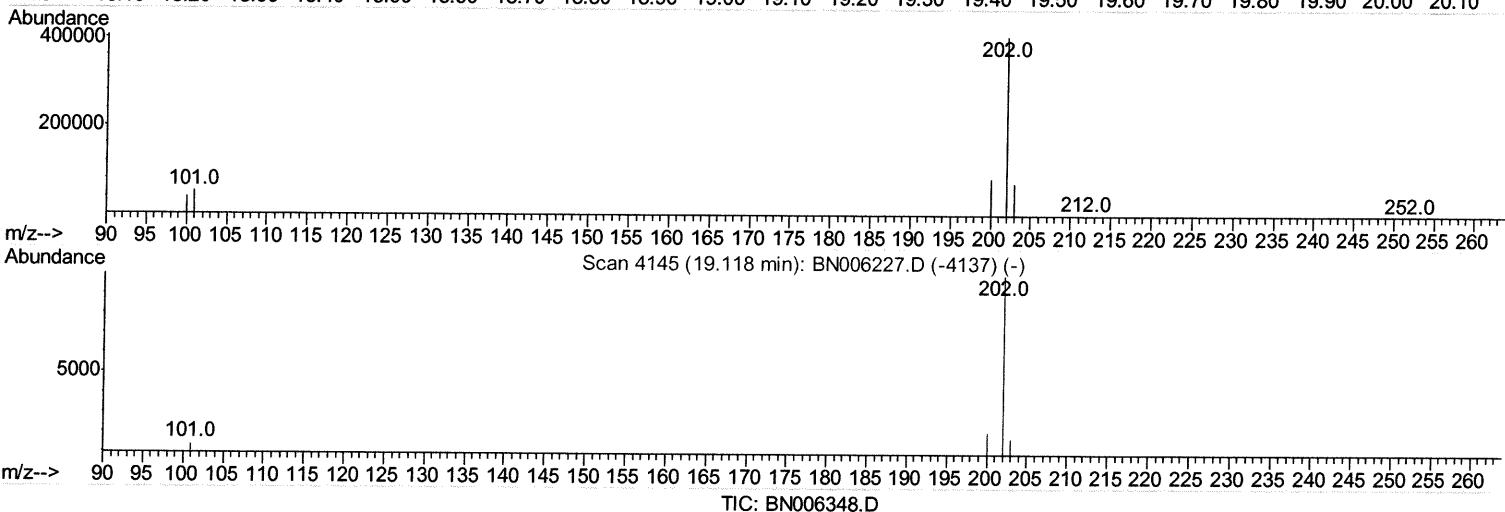
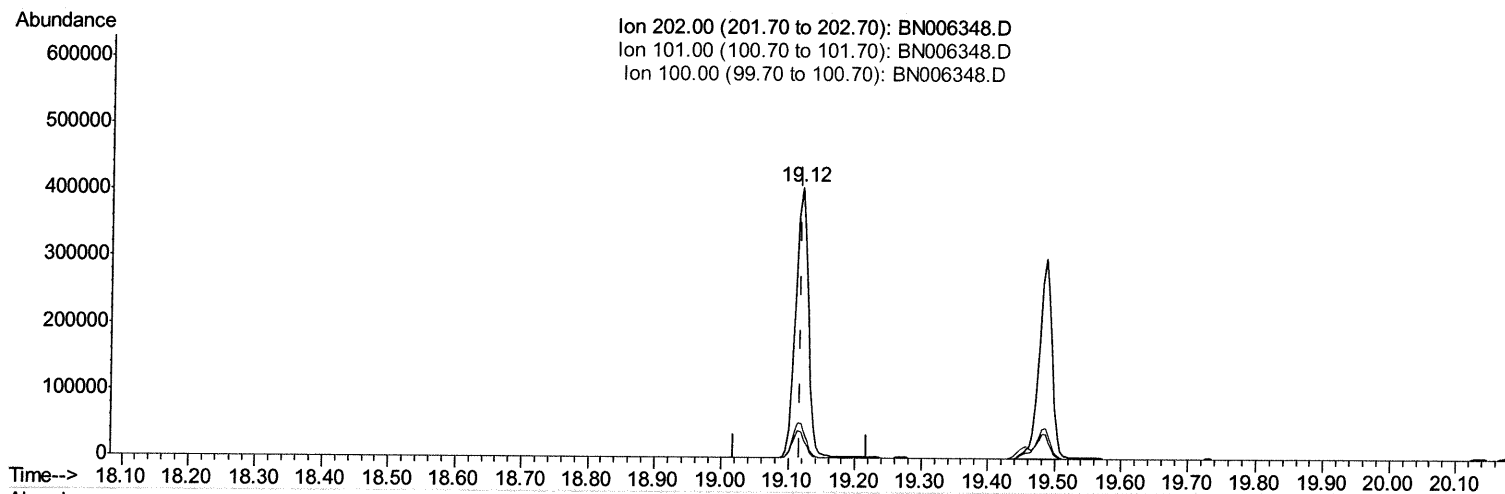
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
 Data File : BN006348.D  
 Acq On : 17 Jun 2019 15:16  
 Operator : JU/SJ  
 Sample : K3332-21  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A41W0

Manual Integrations  
 APPROVED

mohammad  
 6/20/2019 10:51:07 AM

Quant Time: Jun 18 02:15:59 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration



(15) Fluoranthene (C)

19.118min (+0.000) 7.13ng/ul m *Ju 06/18/19*

response 543883

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 12.10 | 12.92 |
| 100.00 | 8.70  | 9.46  |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

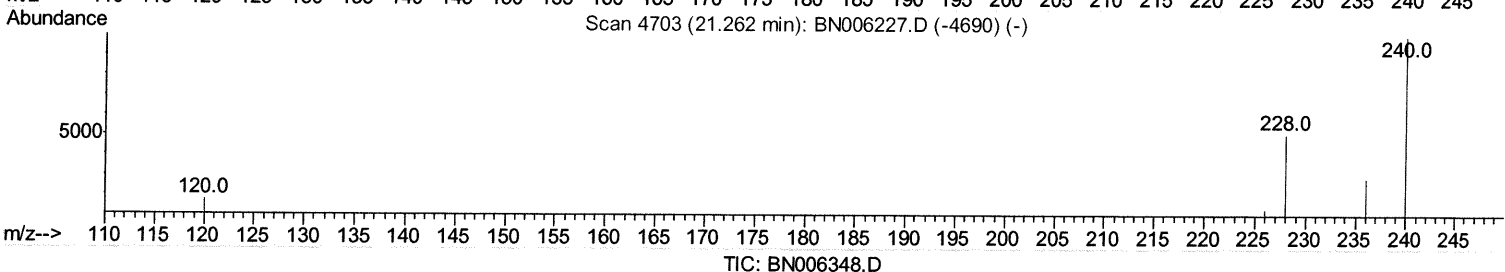
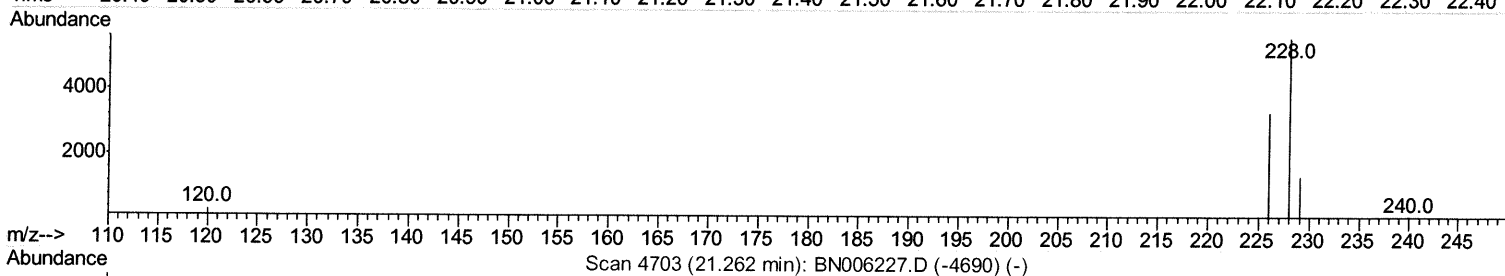
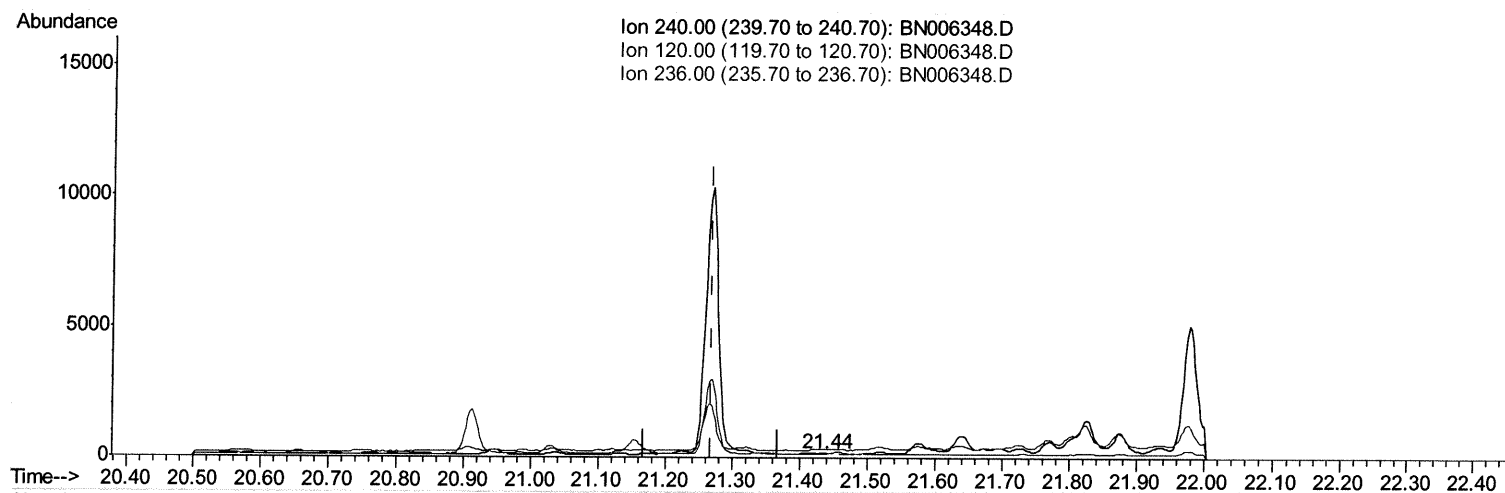
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
 Data File : BN006348.D  
 Acq On : 17 Jun 2019 15:16  
 Operator : JU/SJ  
 Sample : K3332-21  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A41W0

Manual Integrations  
 APPROVED

mohammad  
 6/20/2019 10:51:07 AM

Quant Time: Jun 18 02:15:59 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.438min (+0.169) 0.40ng/ul

response 90

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 240.00 | 100   | 100     |
| 120.00 | 20.10 | 192.57# |
| 236.00 | 30.10 | 85.14#  |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

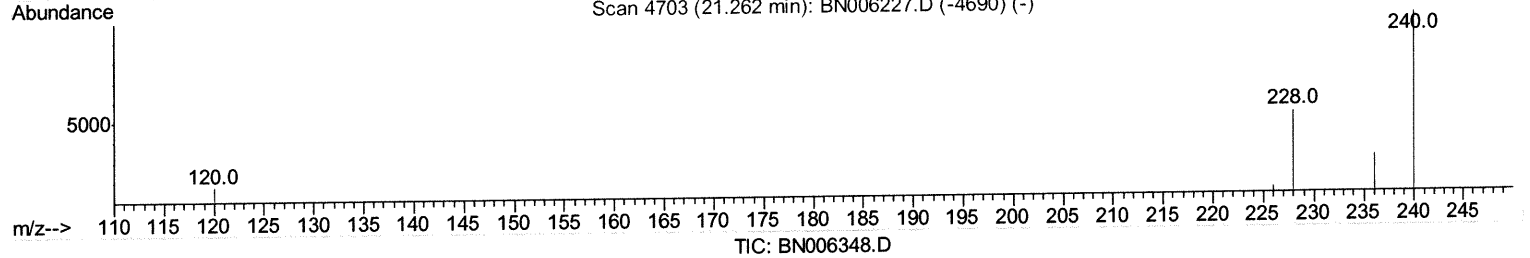
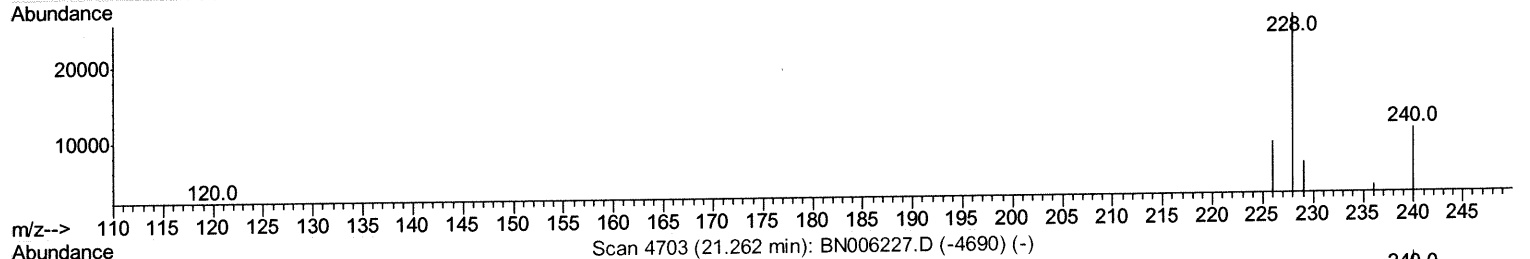
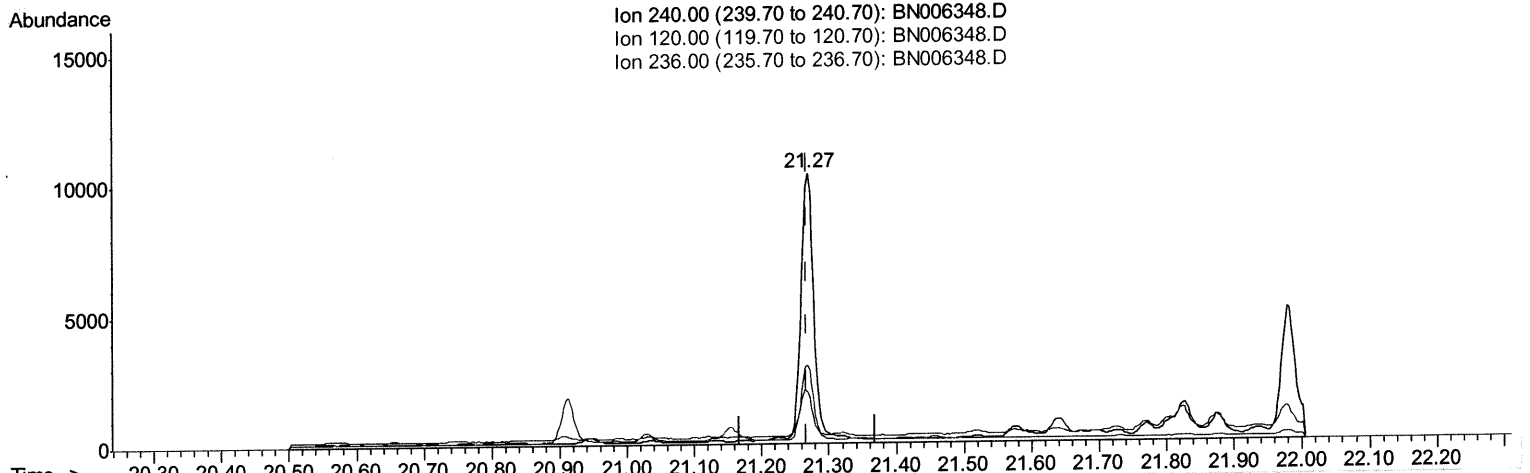
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
 Data File : BN006348.D  
 Acq On : 17 Jun 2019 15:16  
 Operator : JU/SJ  
 Sample : K3332-21  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A41W0

Manual Integrations  
 APPROVED

mohammad  
 6/20/2019 10:51:07 AM

Quant Time: Jun 18 02:15:59 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.268min (+0.000) 0.40ng/ul m *Ju 06/18/19*

response 13047

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 240.00 | 100   | 100   |
| 120.00 | 20.10 | 19.05 |
| 236.00 | 30.10 | 29.14 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
 Data File : BN006348.D  
 Acq On : 17 Jun 2019 15:16  
 Operator : JU/SJ  
 Sample : K3332-21  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

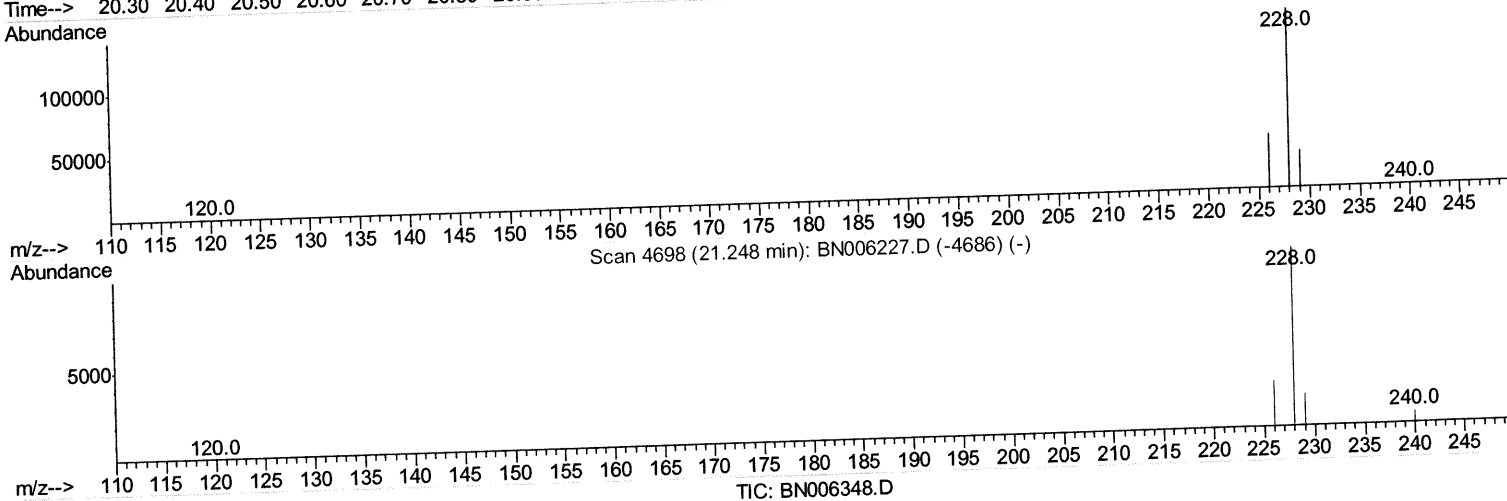
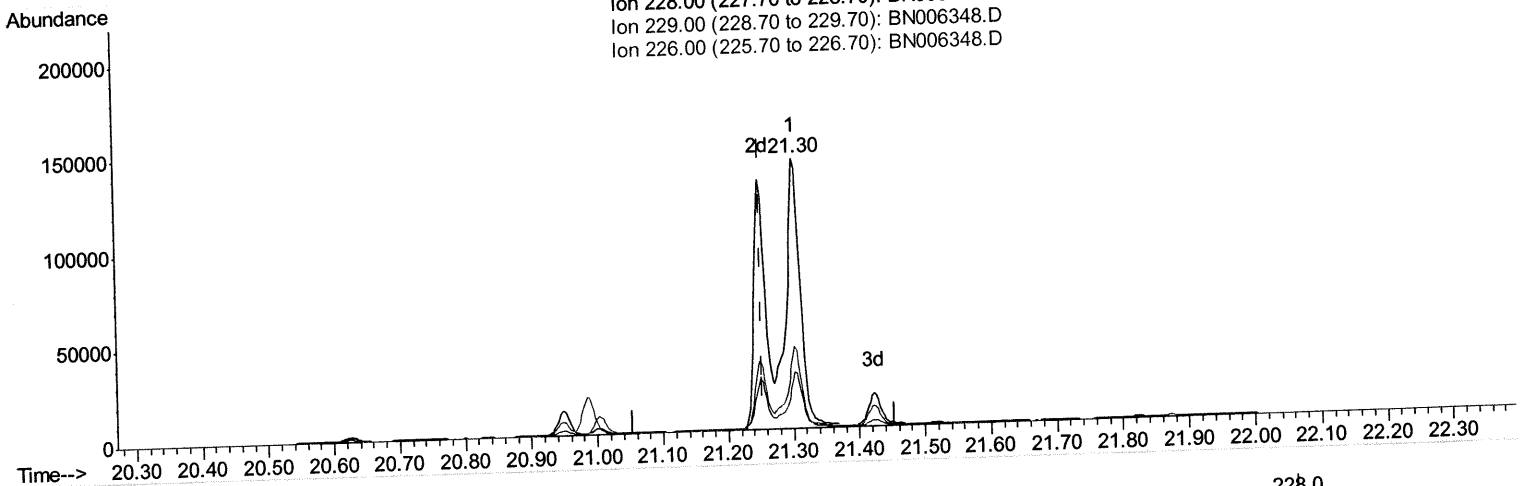
Instrument :  
 BNA\_N  
 ClientSampleId :  
 A41W0

Manual Integrations  
 APPROVED

mohammad  
 6/20/2019 10:51:07 AM

Quant Time: Jun 18 02:18:15 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration

Ion 228.00 (227.70 to 228.70): BN006348.D  
 Ion 229.00 (228.70 to 229.70): BN006348.D  
 Ion 226.00 (225.70 to 226.70): BN006348.D



(18) Benzo(a)anthracene  
 21.303min (+0.050) 3.69ng/ul  
 response 212861

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 229.00 | 20.60 | 20.81 |
| 226.00 | 28.50 | 30.46 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

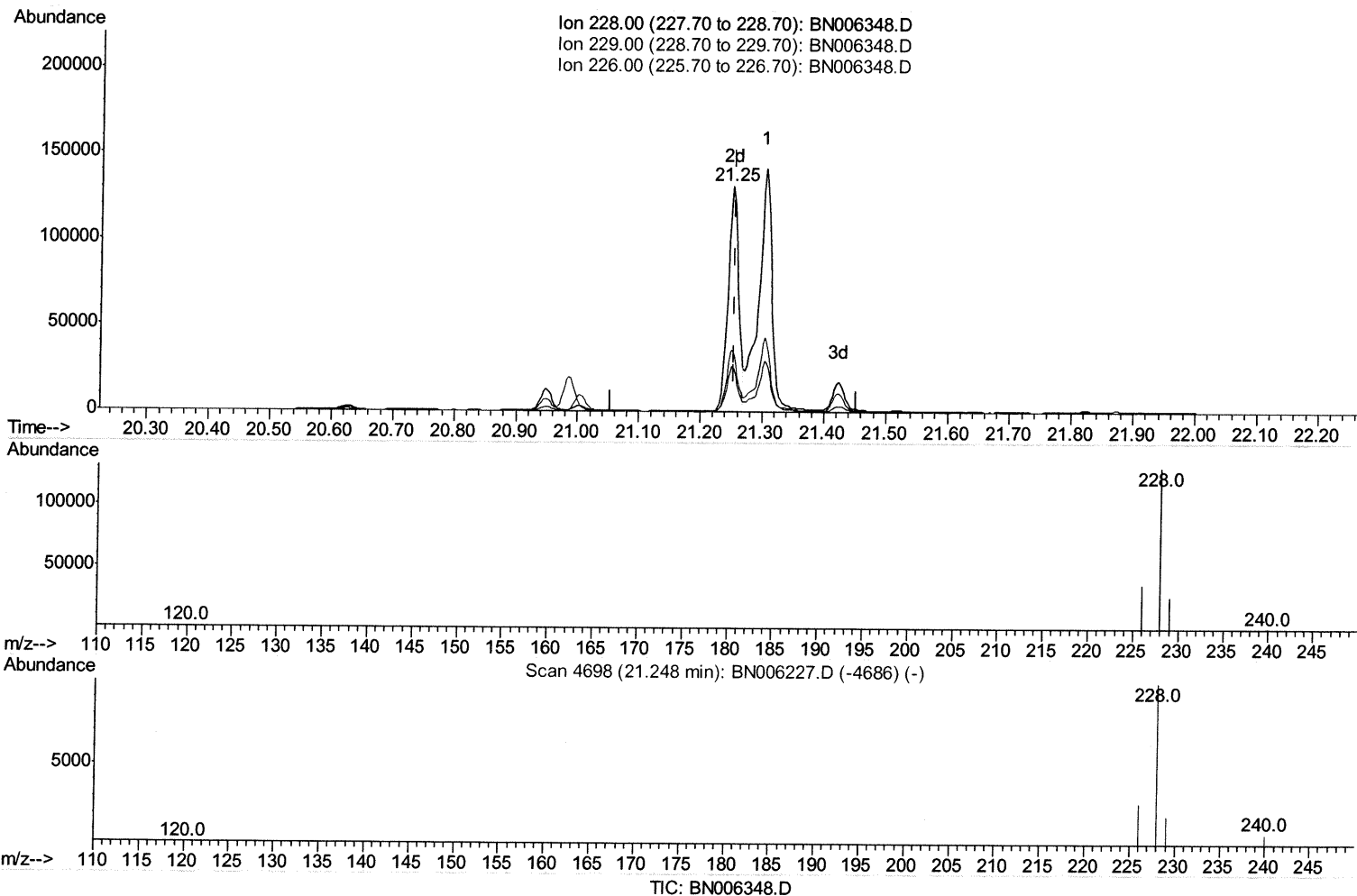
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
 Data File : BN006348.D  
 Acq On : 17 Jun 2019 15:16  
 Operator : JU/SJ  
 Sample : K3332-21  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A41W0

Manual Integrations  
 APPROVED

mohammad  
 6/20/2019 10:51:07 AM

Quant Time: Jun 18 02:18:15 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration



(18) Benzo(a)anthracene

21.251min (-0.003) 2.71ng/ul m *JU 06/18/19*

response 156265

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 229.00 | 20.60 | 20.15 |
| 226.00 | 28.50 | 27.64 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

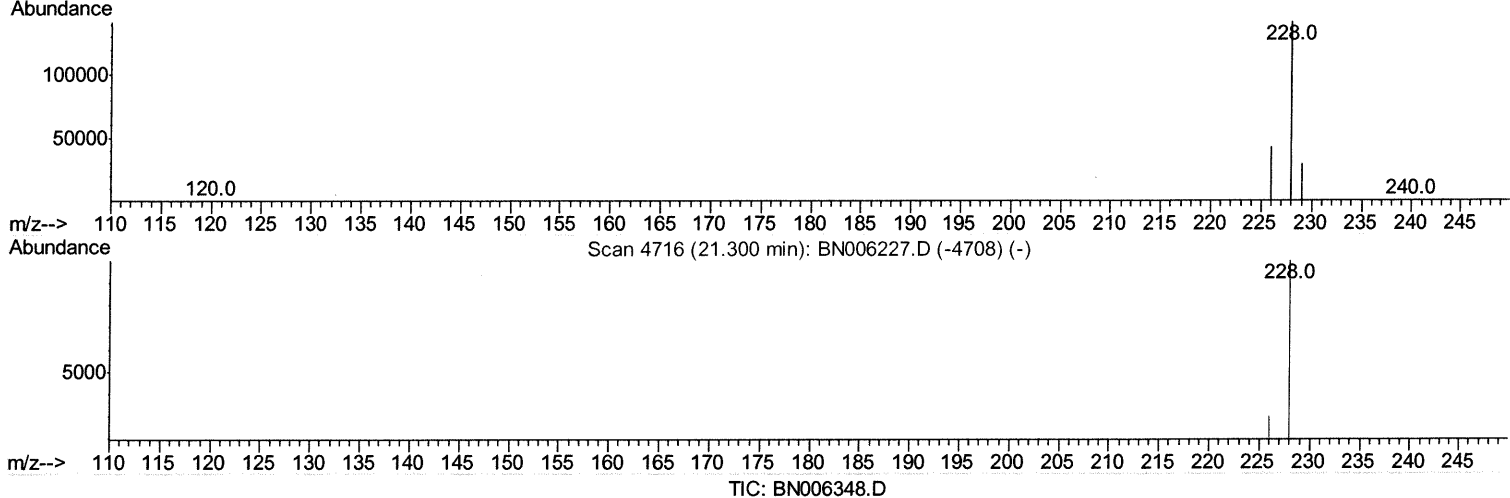
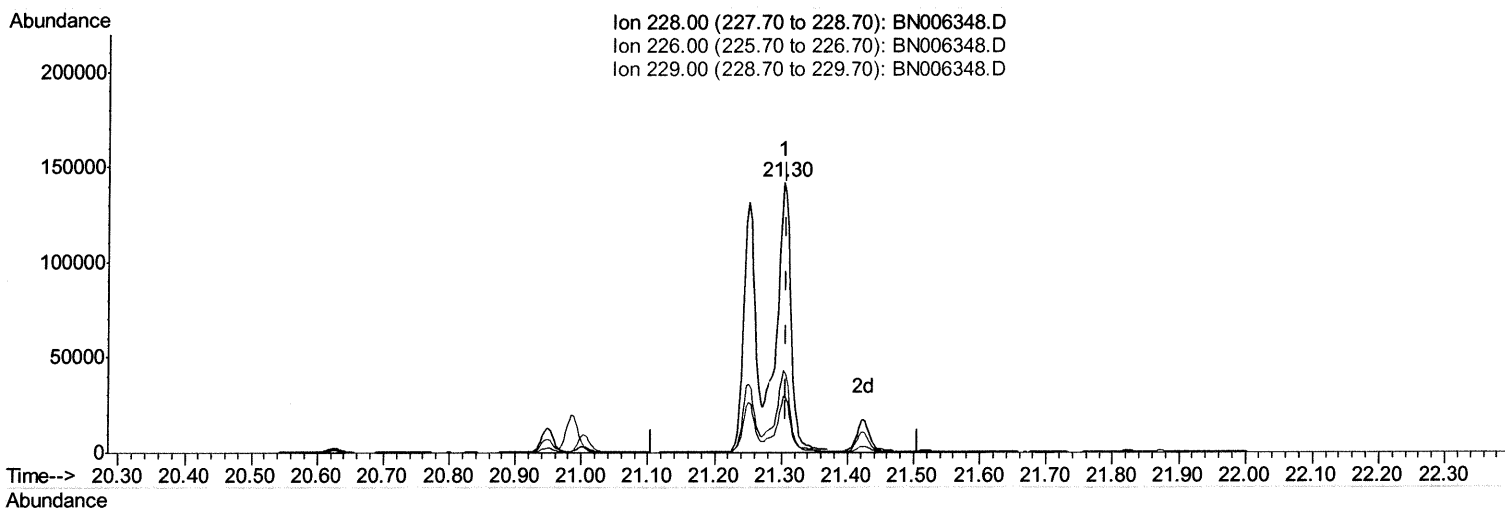
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
Data File : BN006348.D  
Acq On : 17 Jun 2019 15:16  
Operator : JU/SJ  
Sample : K3332-21  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A41W0

Manual Integrations  
APPROVED

mohammad  
6/20/2019 10:51:07 AM

Quant Time: Jun 18 02:18:15 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 17 11:13:07 2019  
Response via : Initial Calibration



(19) Chrysene

21.303min (-0.003) 3.51ng/ul

response 190334

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 31.30 | 30.46 |
| 229.00 | 20.40 | 20.81 |
| 0.00   | 0.00  | 0.00  |



# Quantitation Report (Qedit)

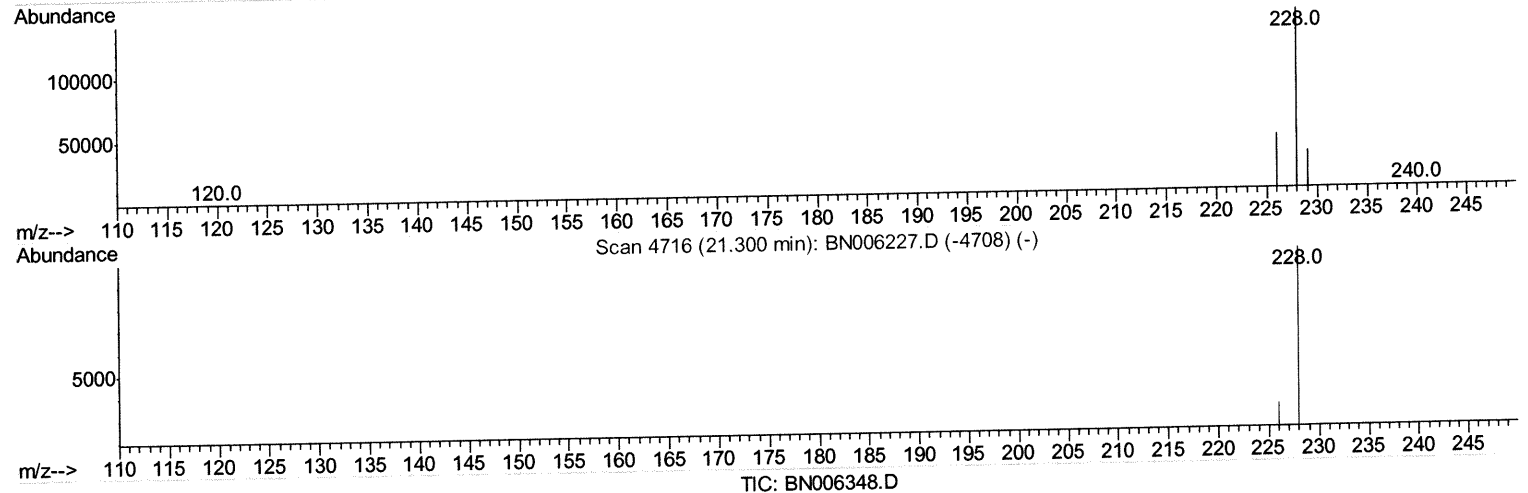
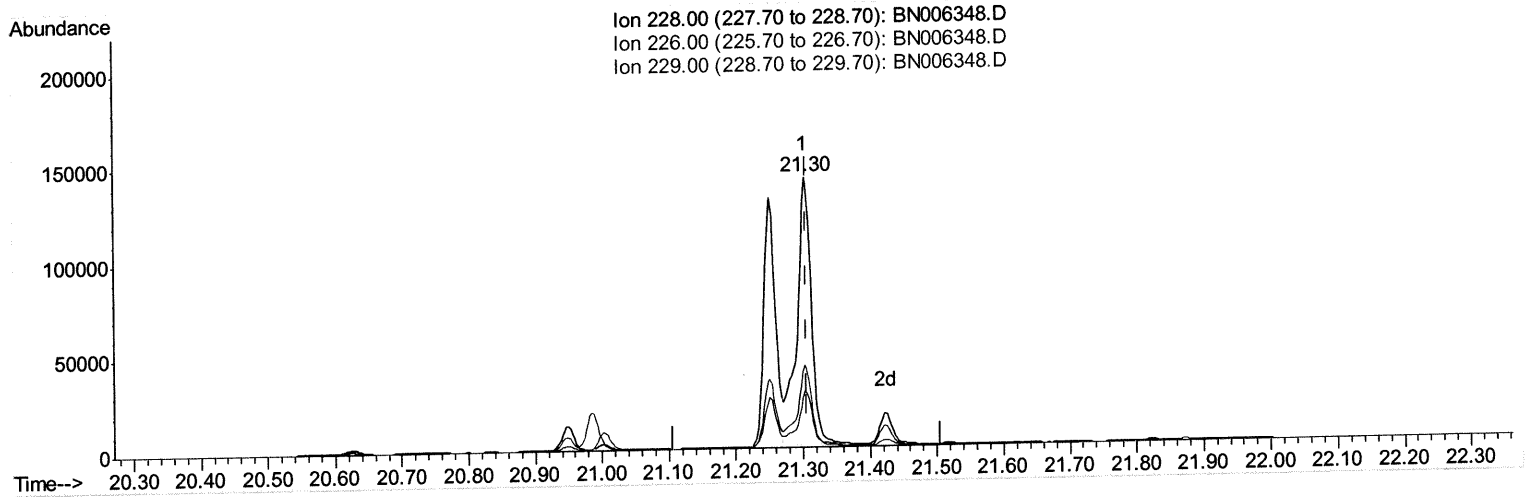
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
 Data File : BN006348.D  
 Acq On : 17 Jun 2019 15:16  
 Operator : JU/SJ  
 Sample : K3332-21  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A41W0

Manual Integrations  
 APPROVED

mohammad  
 6/20/2019 10:51:07 AM

Quant Time: Jun 18 02:18:15 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration



(19) Chrysene

21.303min (-0.003) 3.98ng/ul m *JU* 06/18/19

response 215706

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 31.30 | 30.46 |
| 229.00 | 20.40 | 20.81 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

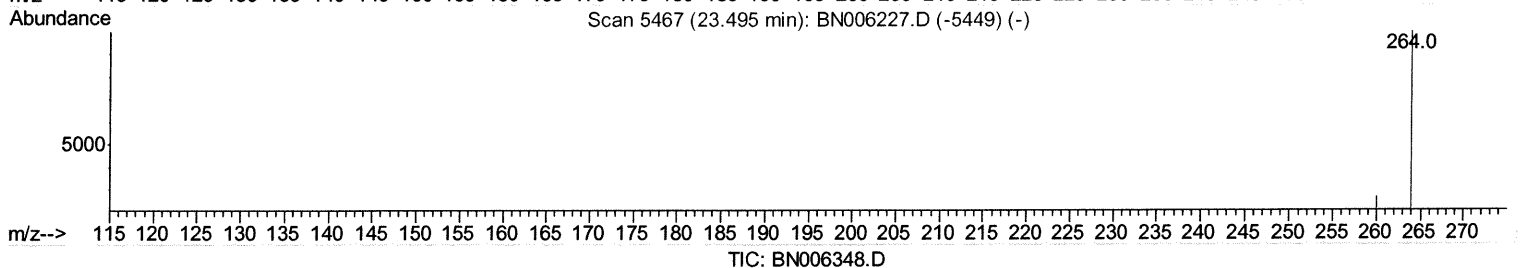
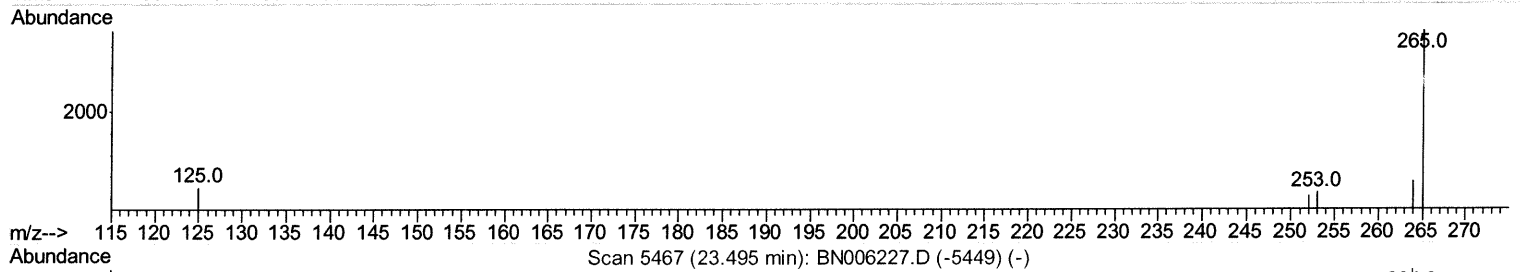
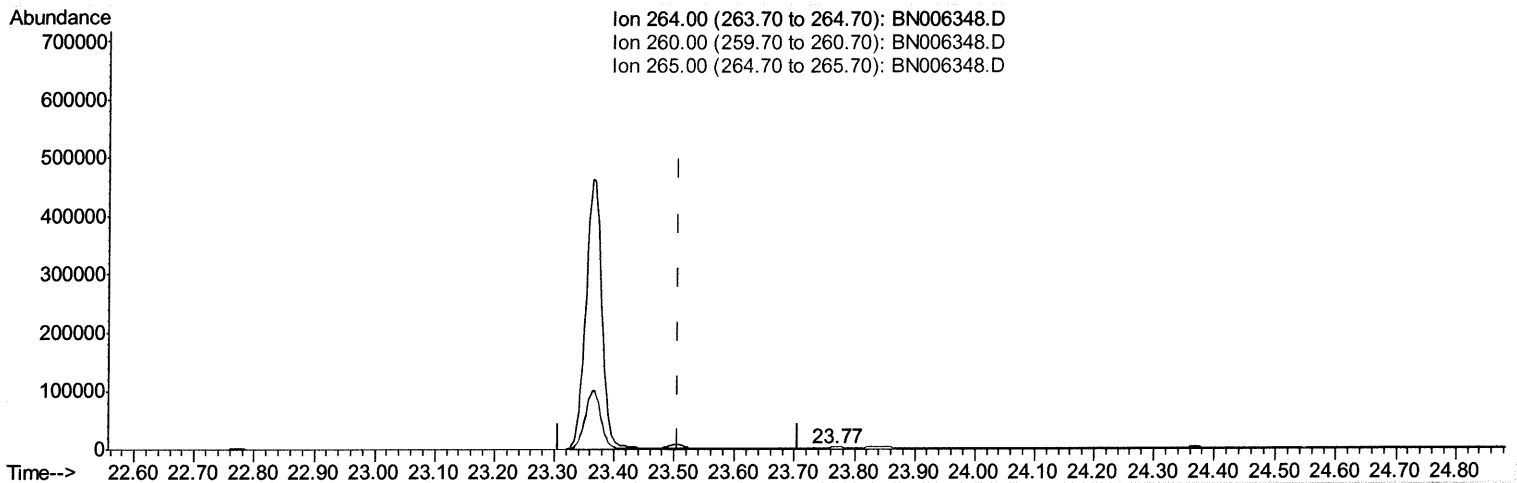
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
Data File : BN006348.D  
Acq On : 17 Jun 2019 15:16  
Operator : JU/SJ  
Sample : K3332-21  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A41W0

Manual Integrations  
APPROVED

mohammad  
6/20/2019 10:51:07 AM

Quant Time: Jun 18 02:18:15 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 17 11:13:07 2019  
Response via : Initial Calibration



(20) Perylene-d12 (I)

23.767min (+0.260) 0.40ng/ul

response 1812

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 264.00 | 100   | 100     |
| 260.00 | 29.20 | 27.37   |
| 265.00 | 44.70 | 478.82# |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

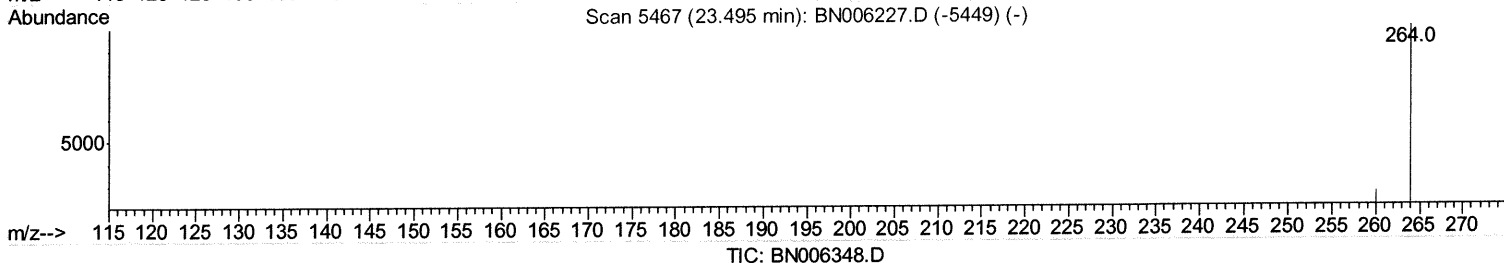
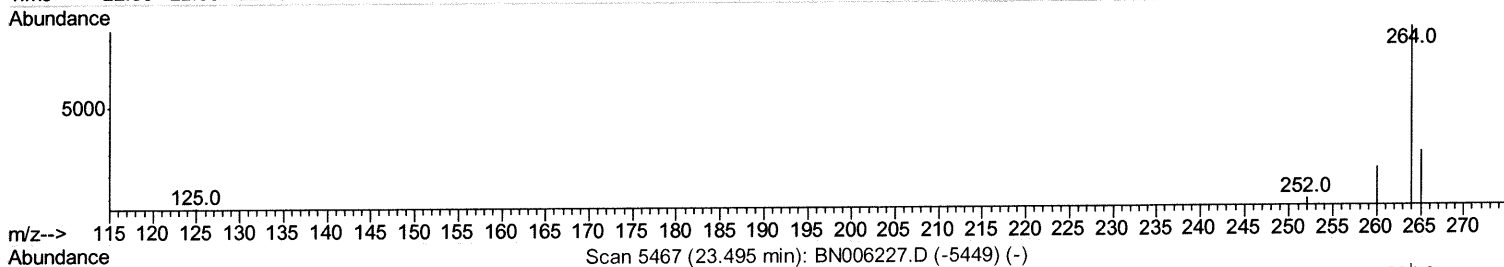
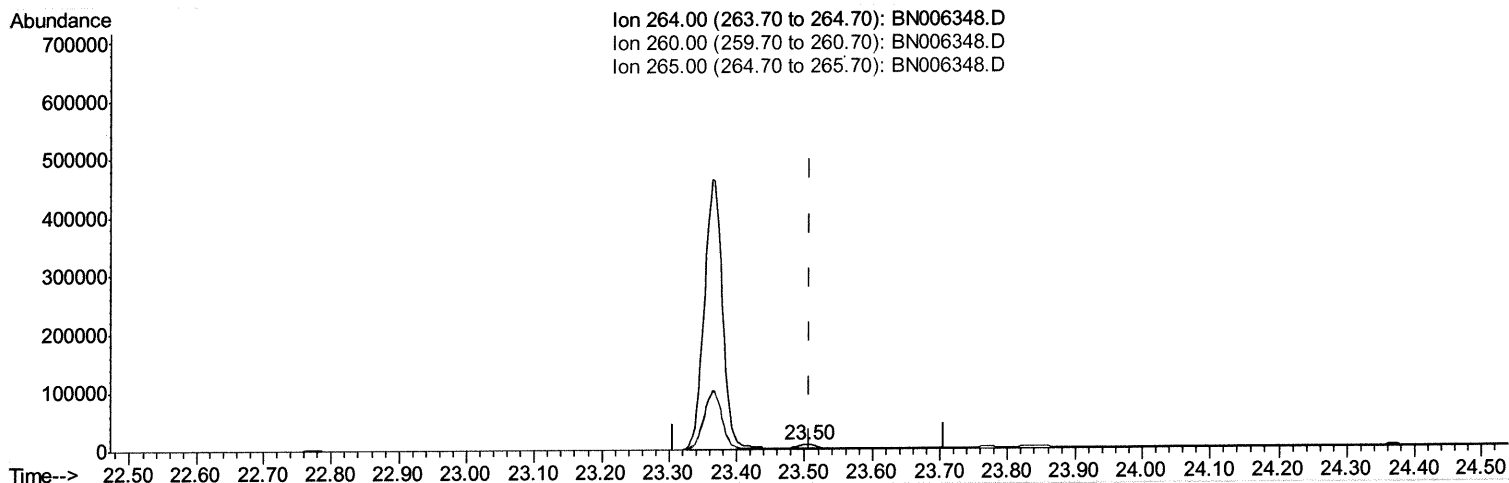
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
 Data File : BN006348.D  
 Acq On : 17 Jun 2019 15:16  
 Operator : JU/SJ  
 Sample : K3332-21  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampled :  
 A41W0

Manual Integrations  
 APPROVED

mohammad  
 6/20/2019 10:51:07 AM

Quant Time: Jun 18 02:18:15 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration



(20) Perylene-d12 (I)

23.504min (-0.003) 0.40ng/ul m *JU* 06/18/19

response 11303

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 264.00 | 100   | 100    |
| 260.00 | 29.20 | 26.58  |
| 265.00 | 44.70 | 35.17# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
 Data File : BN006348.D  
 Acq On : 17 Jun 2019 15:16  
 Operator : JU/SJ  
 Sample : K3332-21  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

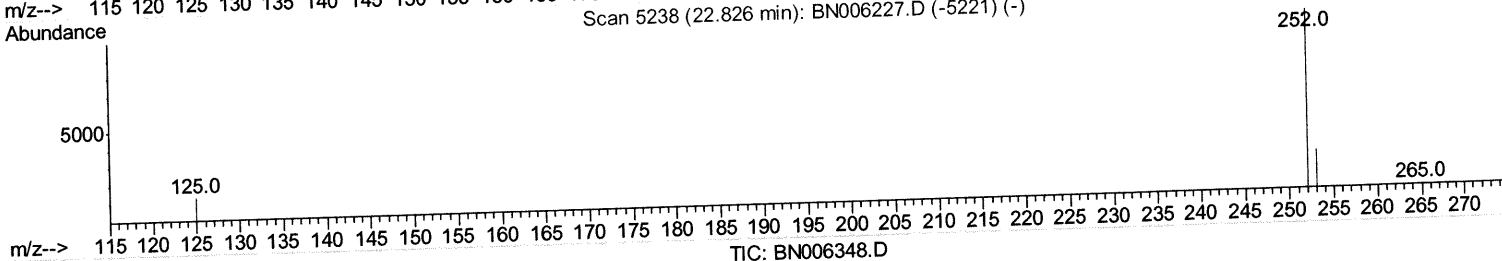
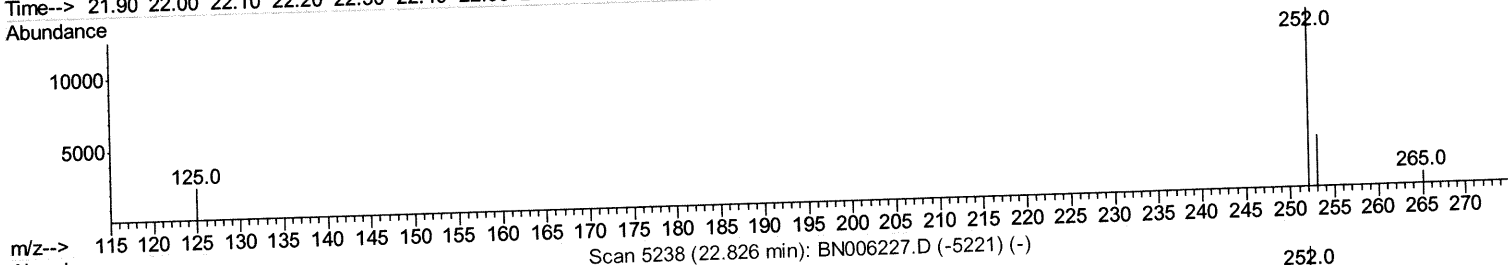
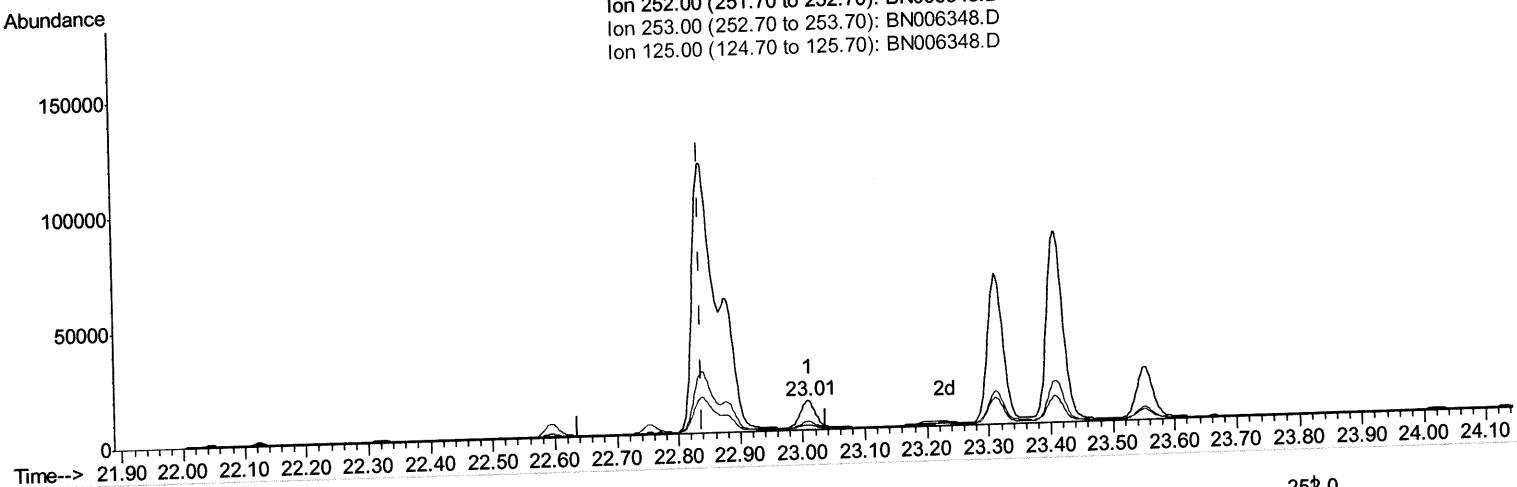
Instrument :  
 BNA\_N  
 ClientSampleId :  
 A41W0

Manual Integrations  
 APPROVED

mohammad  
 6/20/2019 10:51:07 AM

Quant Time: Jun 18 02:19:50 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration

Ion 252.00 (251.70 to 252.70): BN006348.D  
 Ion 253.00 (252.70 to 253.70): BN006348.D  
 Ion 125.00 (124.70 to 125.70): BN006348.D



(21) Benzo(b)fluoranthene

23.010min (+0.173) 0.49ng/ul

response 22945

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 25.70 | 29.31 |
| 125.00 | 20.50 | 18.69 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

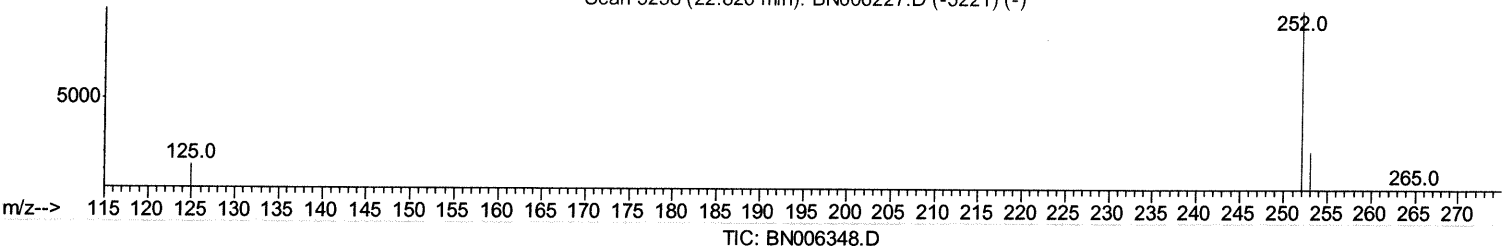
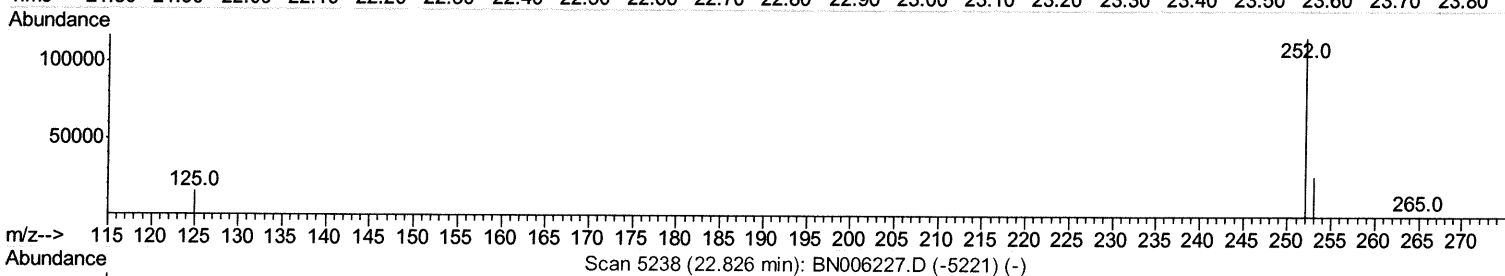
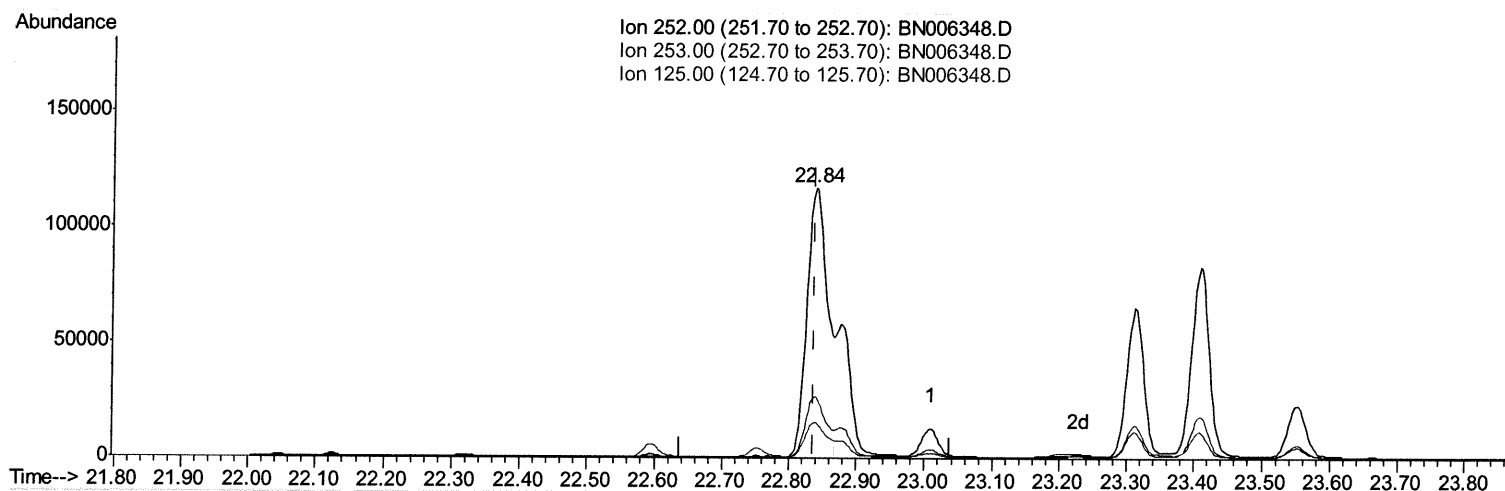
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
 Data File : BN006348.D  
 Acq On : 17 Jun 2019 15:16  
 Operator : JU/SJ  
 Sample : K3332-21  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A41W0

Manual Integrations  
 APPROVED

mohammad  
 6/20/2019 10:51:07 AM

Quant Time: Jun 18 02:19:50 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.838min (+0.000) 5.23ng/ul m

JU  
 06/18/19

response 246476

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 25.70 | 22.65 |
| 125.00 | 20.50 | 13.05 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

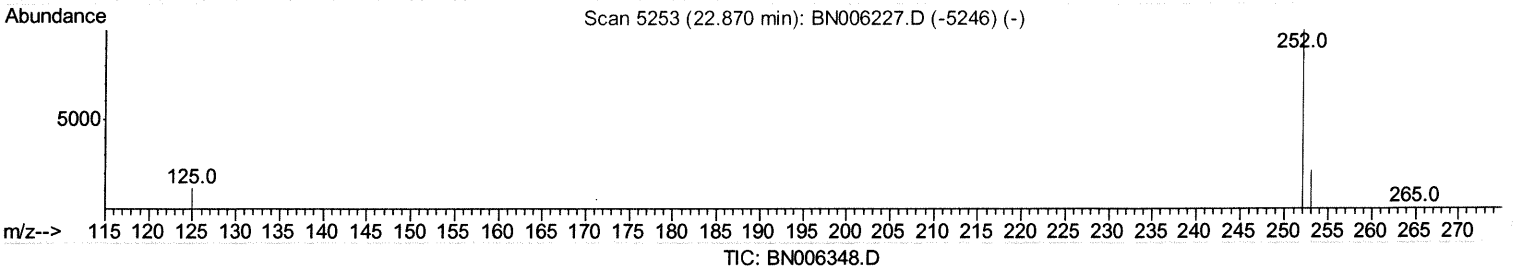
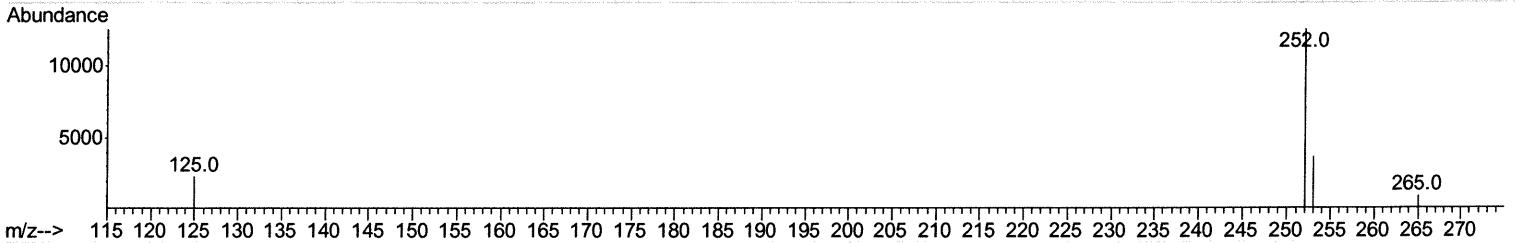
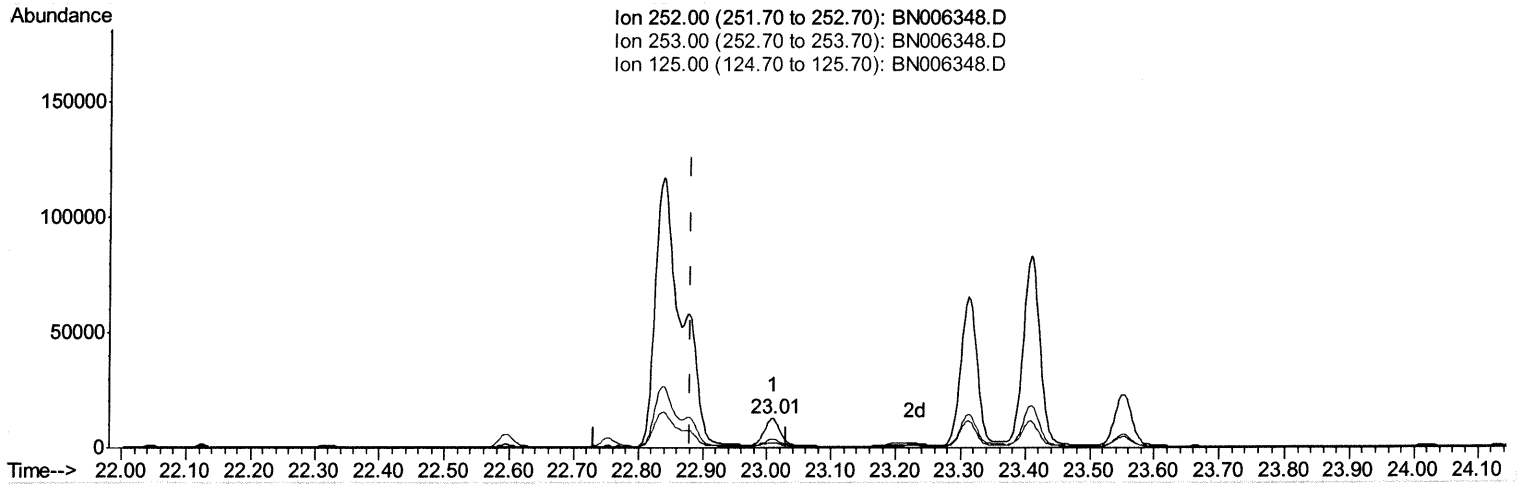
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
 Data File : BN006348.D  
 Acq On : 17 Jun 2019 15:16  
 Operator : JU/SJ  
 Sample : K3332-21  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A41W0

Manual Integrations  
 APPROVED

mohammad  
 6/20/2019 10:51:07 AM

Quant Time: Jun 18 02:19:50 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

23.010min (+0.129) 0.47ng/ul

response 21356

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 25.40 | 29.31 |
| 125.00 | 17.90 | 18.69 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

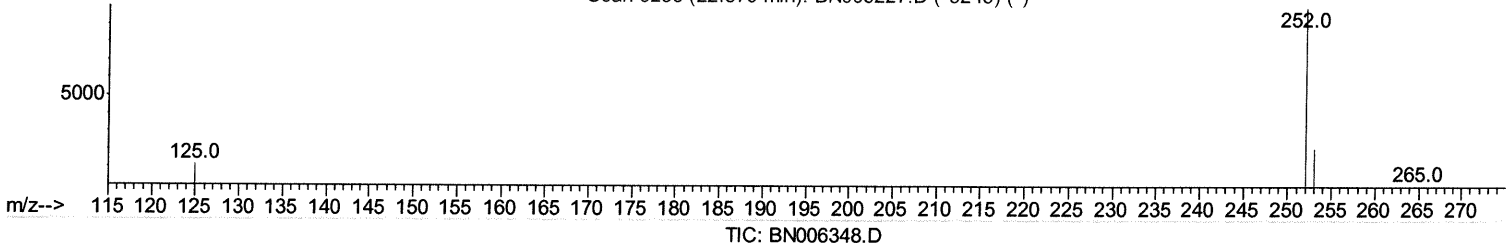
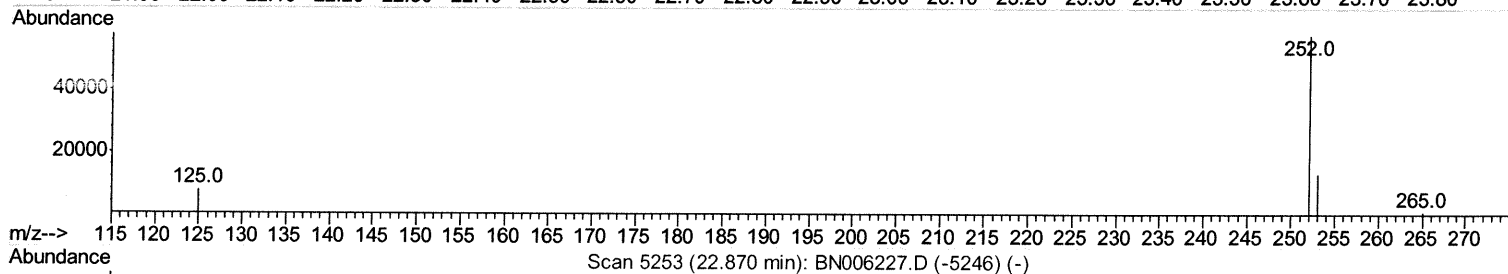
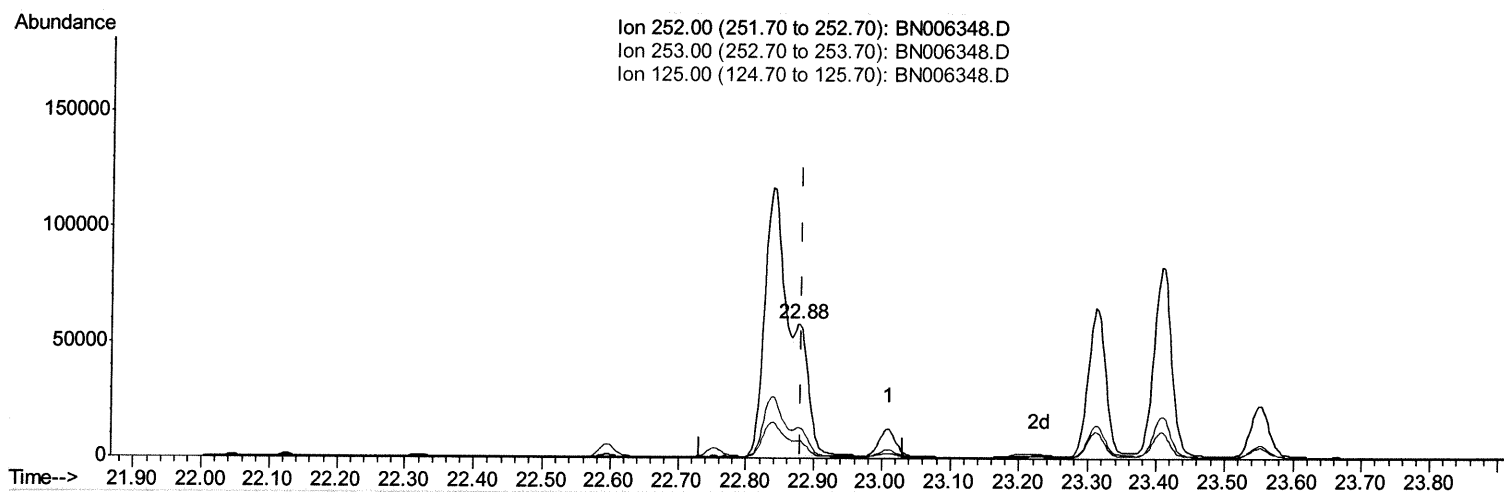
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
Data File : BN006348.D  
Acq On : 17 Jun 2019 15:16  
Operator : JU/SJ  
Sample : K3332-21  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A41W0

Manual Integrations  
APPROVED

mohammad  
6/20/2019 10:51:07 AM

Quant Time: Jun 18 02:19:50 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 17 11:13:07 2019  
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.878min (-0.003) 1.85ng/ul m *JU* *06/18/19*

response 84931

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 25.40 | 23.03  |
| 125.00 | 17.90 | 13.25# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

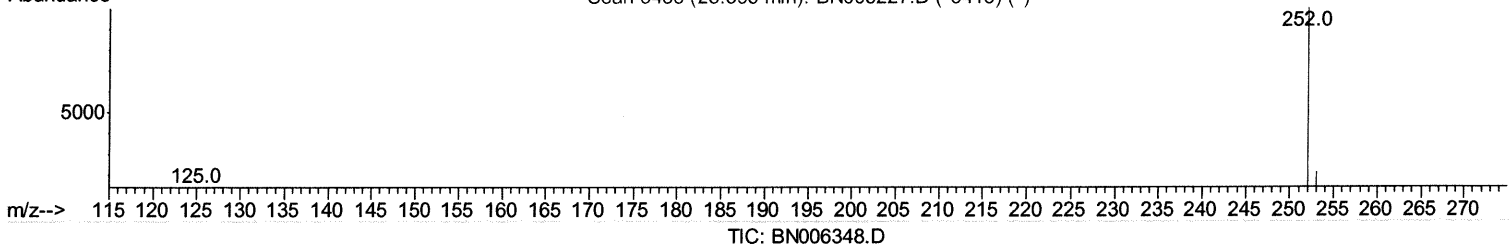
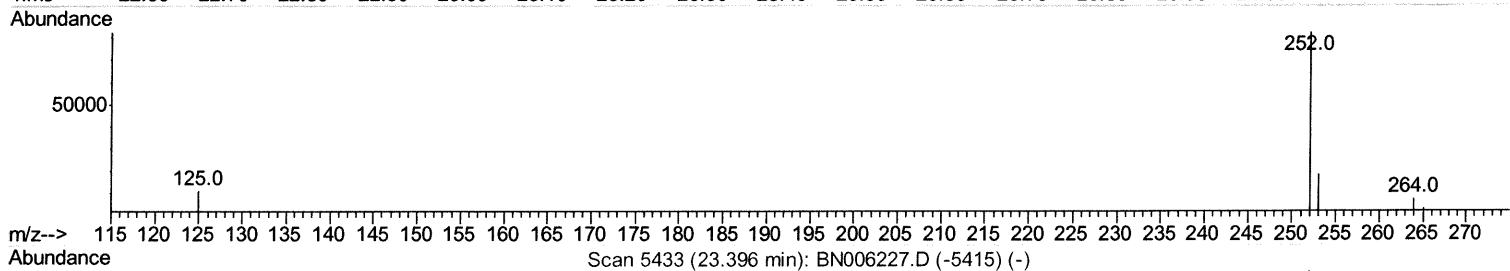
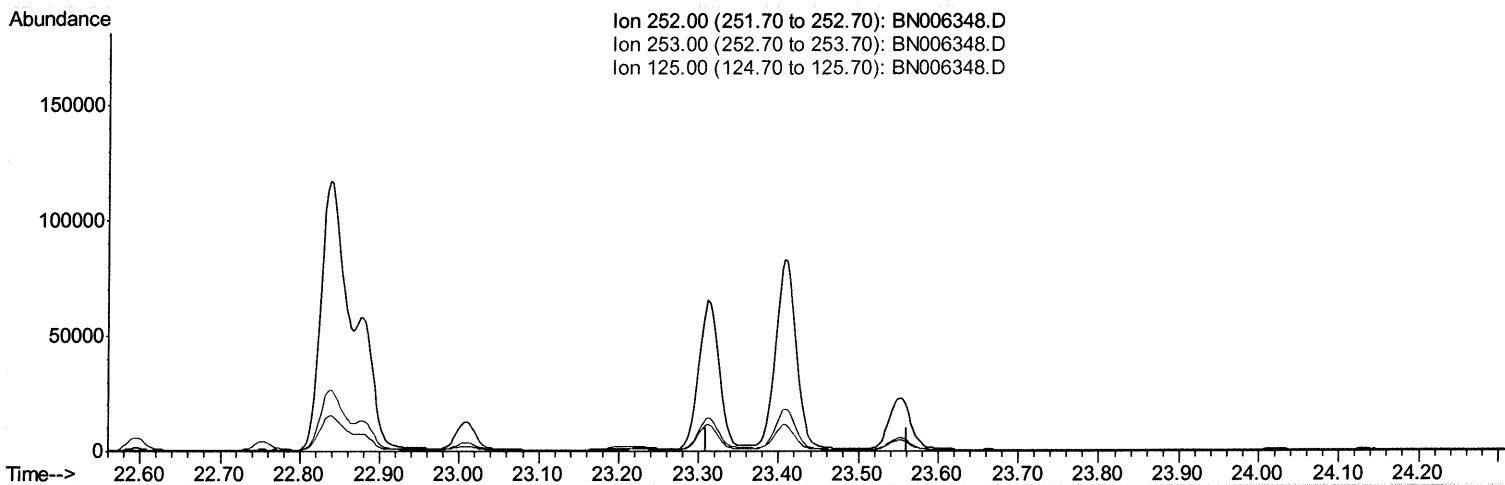
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
 Data File : BN006348.D  
 Acq On : 17 Jun 2019 15:16  
 Operator : JU/SJ  
 Sample : K3332-21  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A41W0

Manual Integrations  
 APPROVED

mohammad  
 6/20/2019 10:51:07 AM

Quant Time: Jun 18 02:20:45 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

23.410min (-23.410) 0.00ng/ul

response 0

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 0.00  |
| 253.00 | 26.40 | 0.00# |
| 125.00 | 25.40 | 0.00# |
| 0.00   | 0.00  | 0.00  |



# Quantitation Report (Qedit)

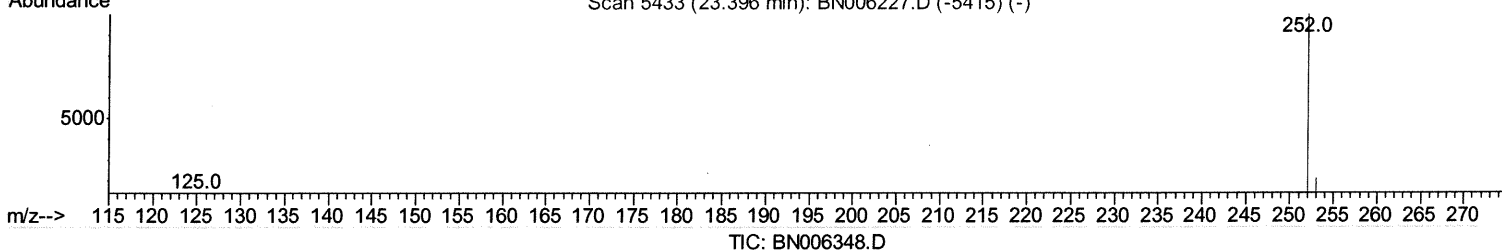
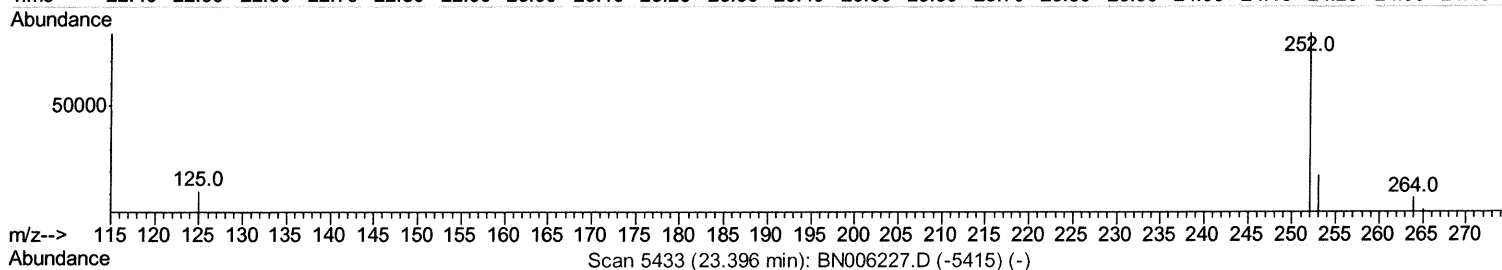
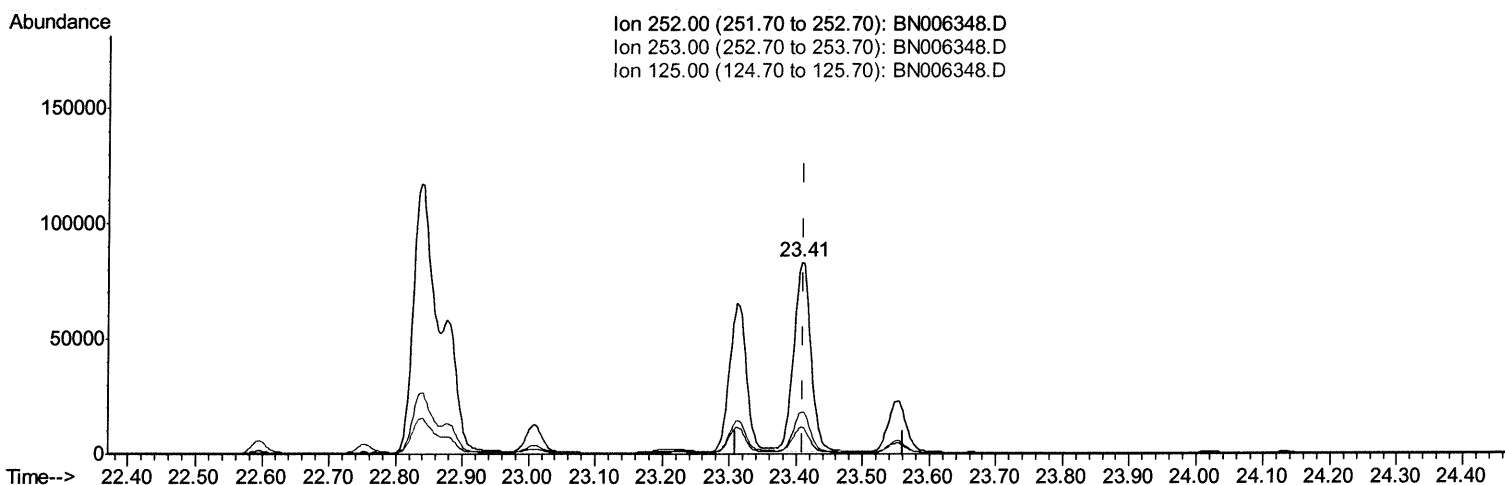
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
 Data File : BN006348.D  
 Acq On : 17 Jun 2019 15:16  
 Operator : JU/SJ  
 Sample : K3332-21  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A41W0

Manual Integrations  
 APPROVED

mohammad  
 6/20/2019 10:51:07 AM

Quant Time: Jun 18 02:20:45 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

23.408min (-0.003) 3.35ng/ul m *JU 06/18/19*

response 146910

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 26.40 | 22.06  |
| 125.00 | 25.40 | 13.91# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
 Data File : BN006348.D  
 Acq On : 17 Jun 2019 15:16  
 Operator : JU/SJ  
 Sample : K3332-21  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

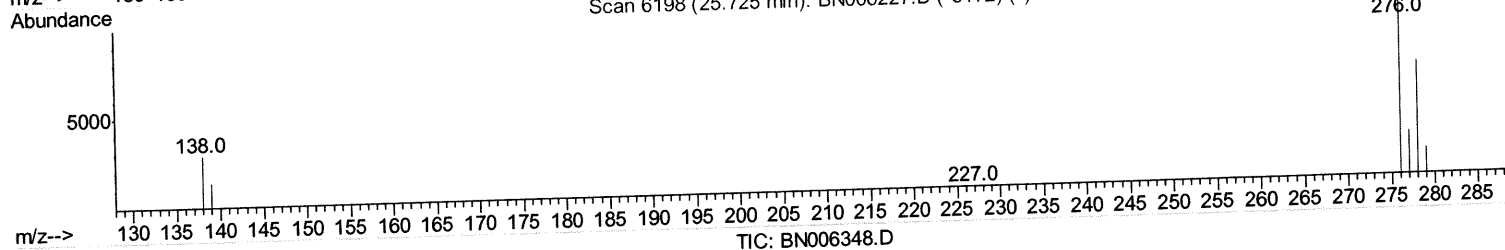
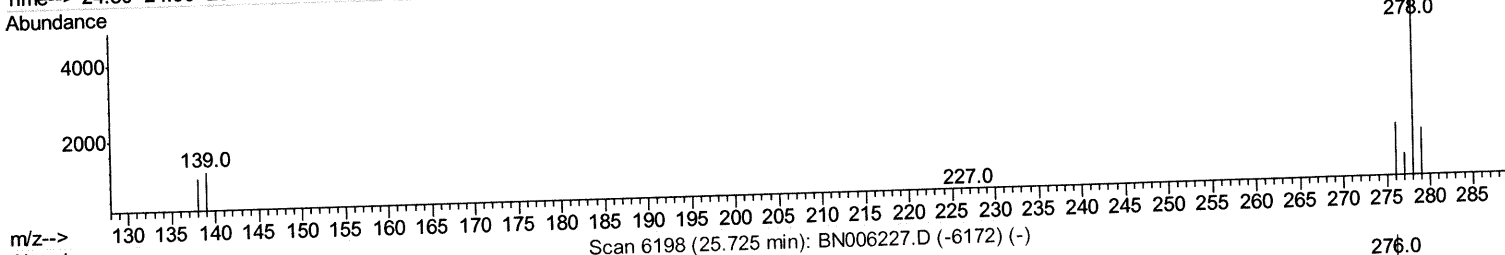
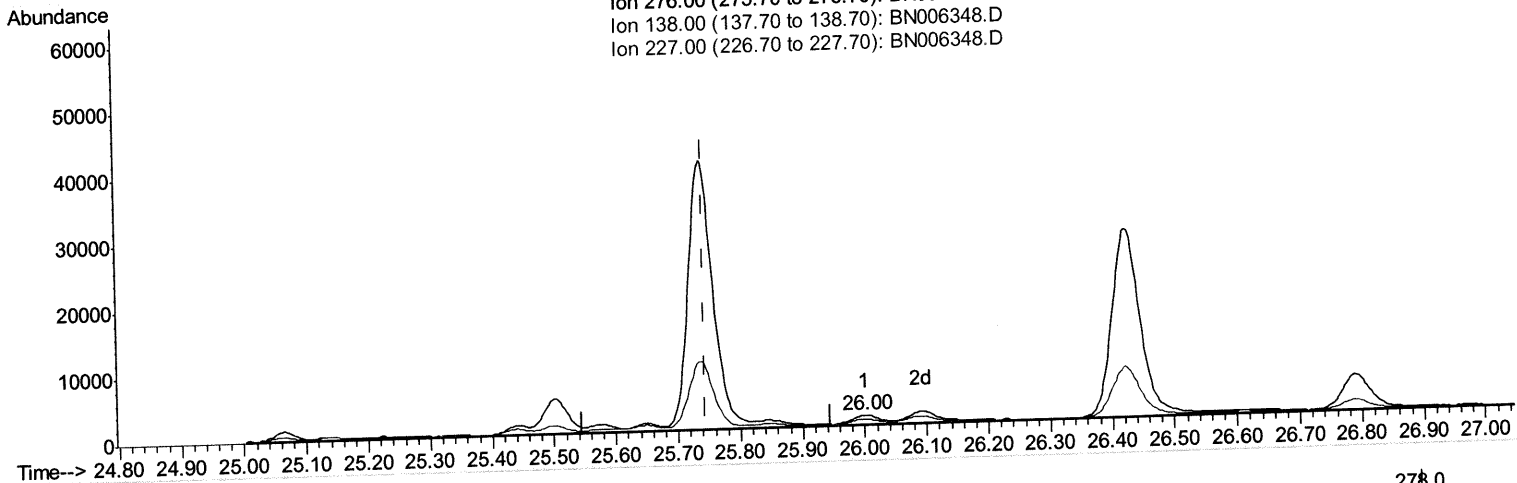
Instrument :  
 BNA\_N  
 ClientSampleId :  
 A41W0

Manual Integrations  
 APPROVED

mohammad  
 6/20/2019 10:51:07 AM

Quant Time: Jun 18 02:20:45 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration

Ion 276.00 (275.70 to 276.70): BN006348.D  
 Ion 138.00 (137.70 to 138.70): BN006348.D  
 Ion 227.00 (226.70 to 227.70): BN006348.D



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

26.000min (+0.255) 0.07ng/ul

response 3465

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 32.00 | 65.74# |
| 227.00 | 0.40  | 0.81#  |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

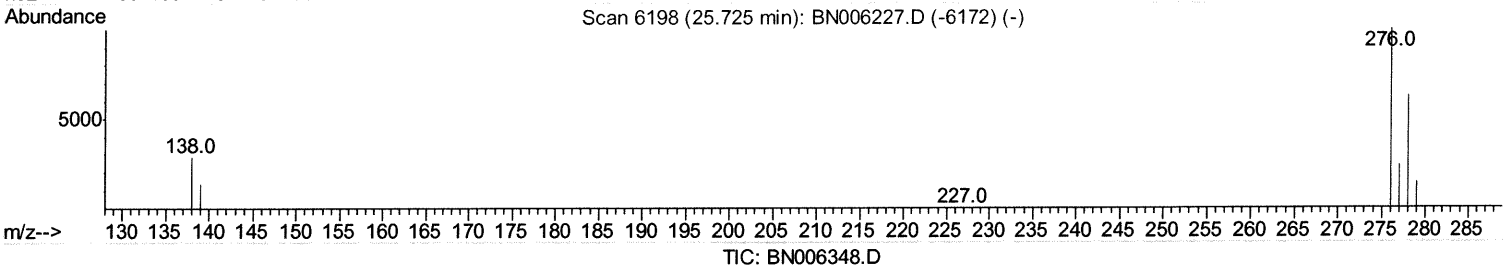
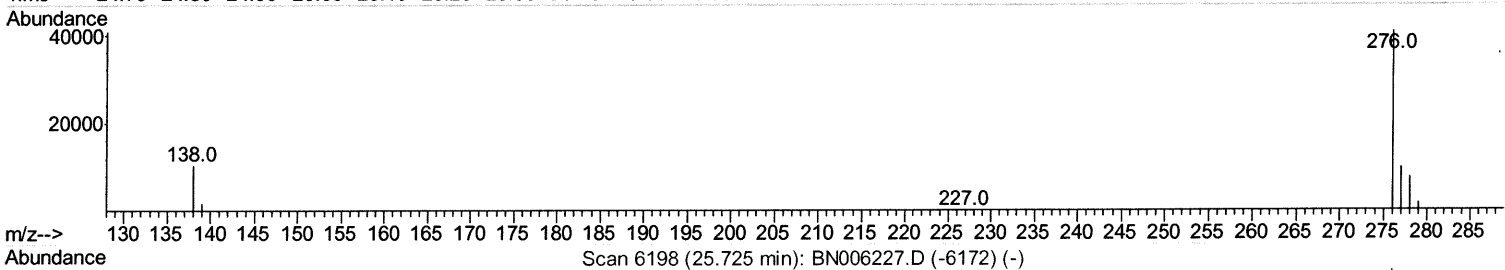
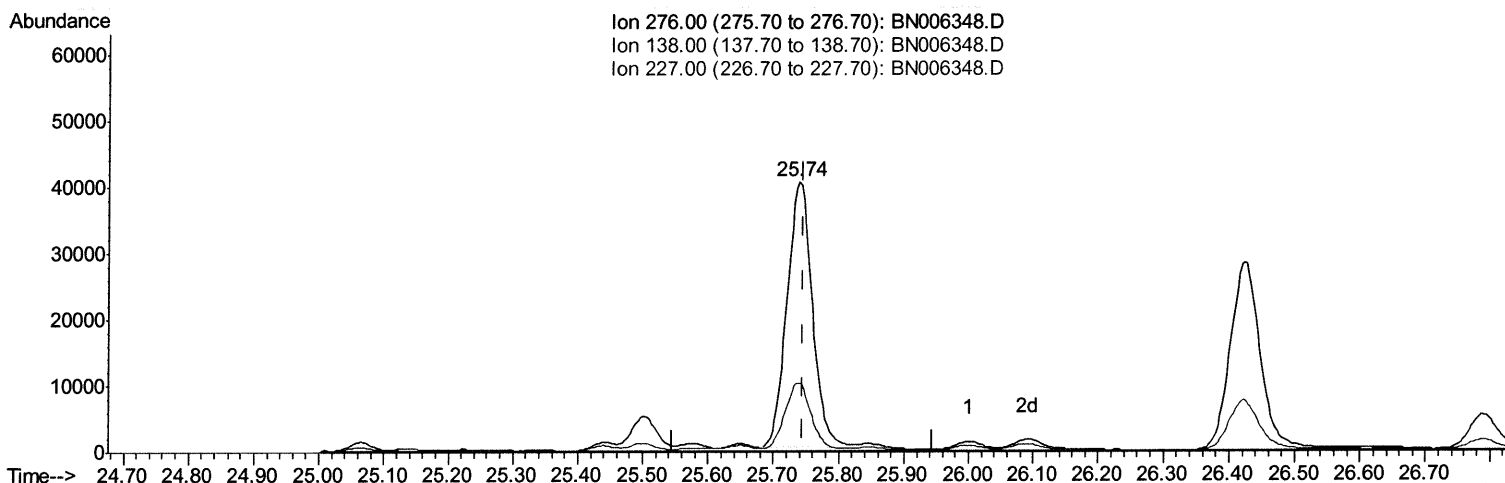
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
 Data File : BN006348.D  
 Acq On : 17 Jun 2019 15:16  
 Operator : JU/SJ  
 Sample : K3332-21  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A41W0

Manual Integrations  
 APPROVED

mohammad  
 6/20/2019 10:51:07 AM

Quant Time: Jun 18 02:20:45 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration



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

25.738min (-0.007) 2.27ng/ul m *JU 06/18/19*

response 108017

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 32.00 | 2.11# |
| 227.00 | 0.40  | 0.03# |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

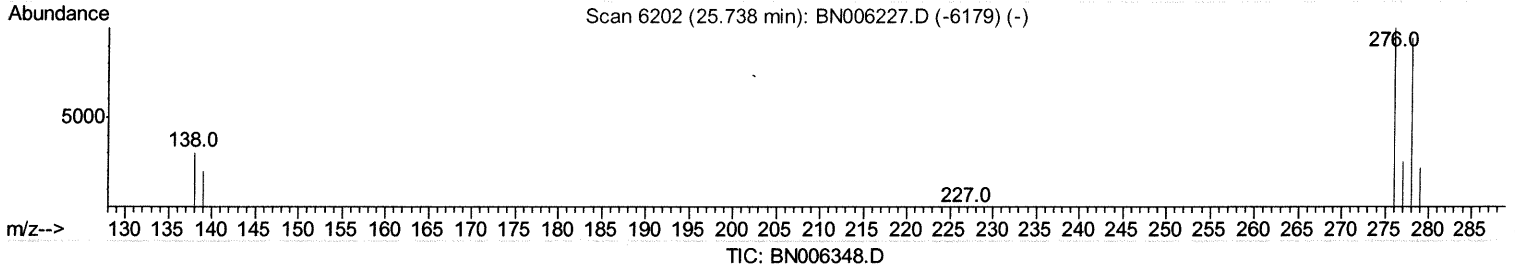
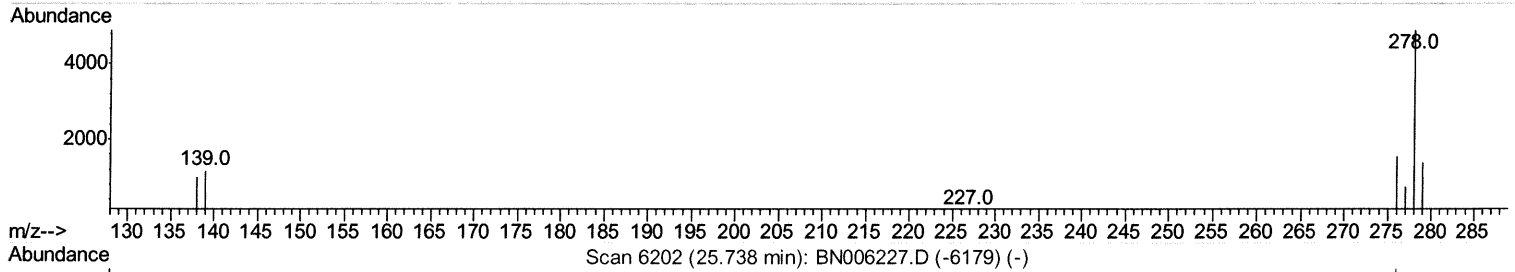
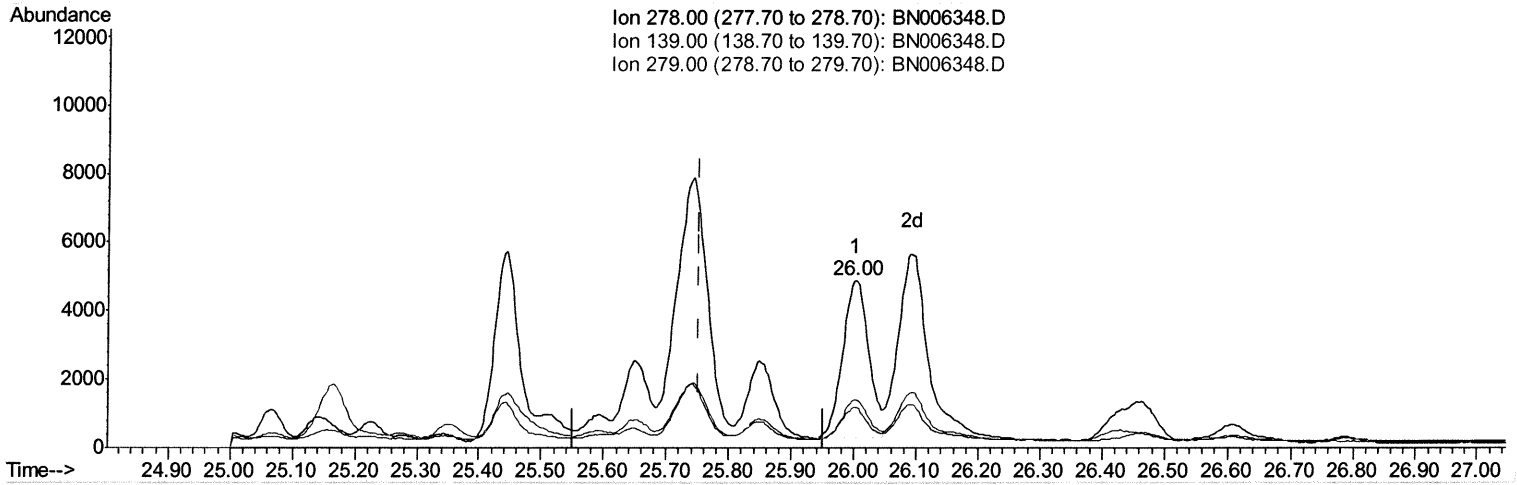
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
 Data File : BN006348.D  
 Acq On : 17 Jun 2019 15:16  
 Operator : JU/SJ  
 Sample : K3332-21  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A41W0

Manual Integrations  
 APPROVED

mohammad  
 6/20/2019 10:51:07 AM

Quant Time: Jun 18 02:20:45 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

26.000min (+0.248) 0.35ng/ul

response 13380

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 278.00 | 100   | 100   |
| 139.00 | 26.50 | 24.01 |
| 279.00 | 28.20 | 28.29 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

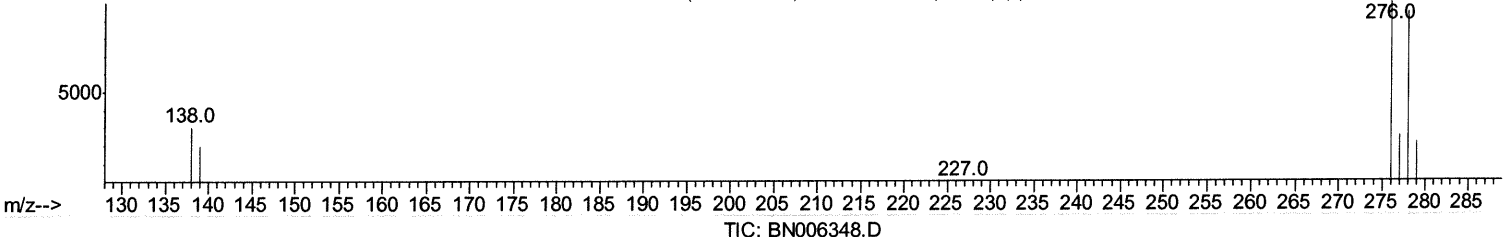
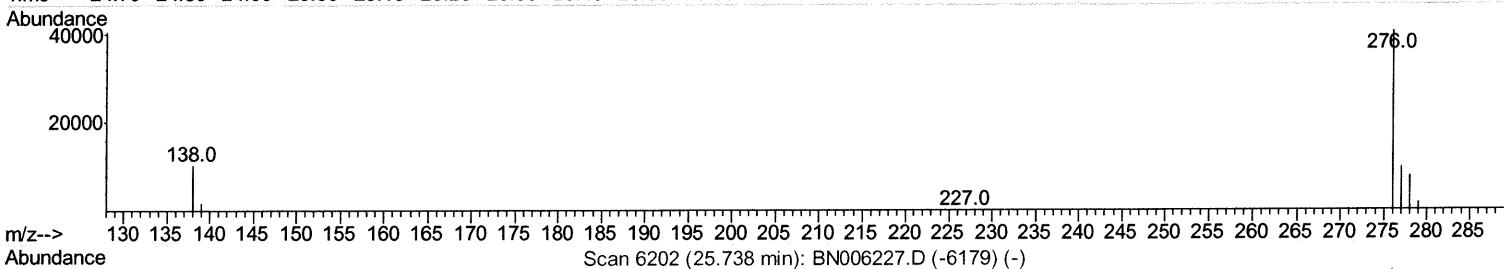
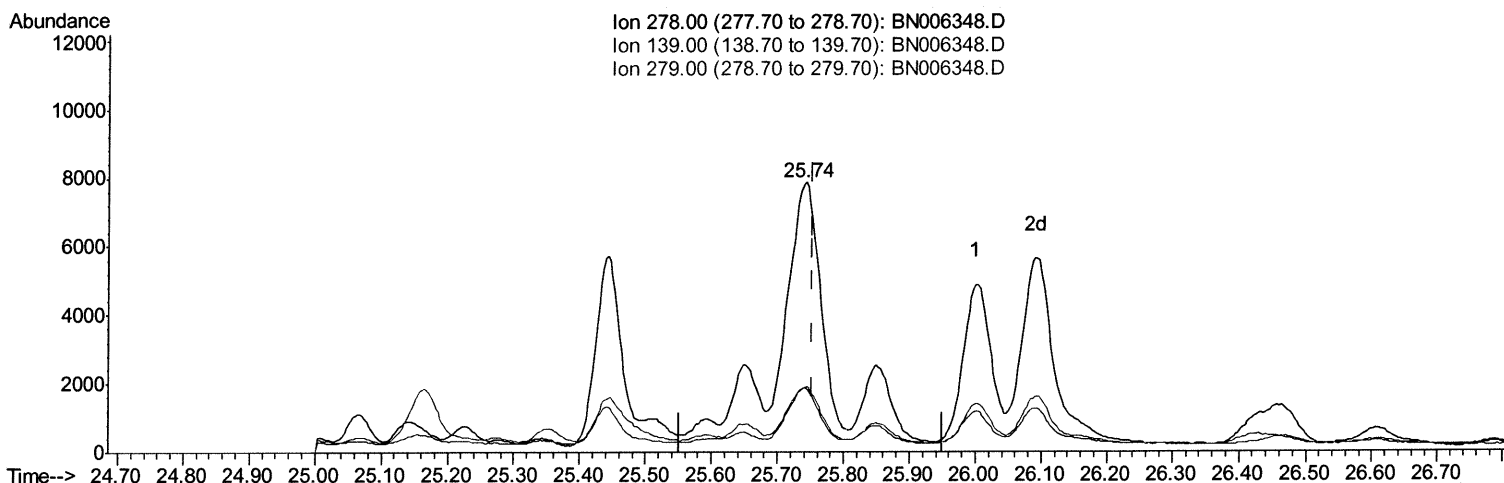
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
 Data File : BN006348.D  
 Acq On : 17 Jun 2019 15:16  
 Operator : JU/SJ  
 Sample : K3332-21  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A41W0

Manual Integrations  
 APPROVED

mohammad  
 6/20/2019 10:51:07 AM

Quant Time: Jun 18 02:20:45 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

25.742min (-0.010) 0.62ng/ul m *JU* 06/18/19

response 23694

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 278.00 | 100   | 100   |
| 139.00 | 26.50 | 23.60 |
| 279.00 | 28.20 | 24.04 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

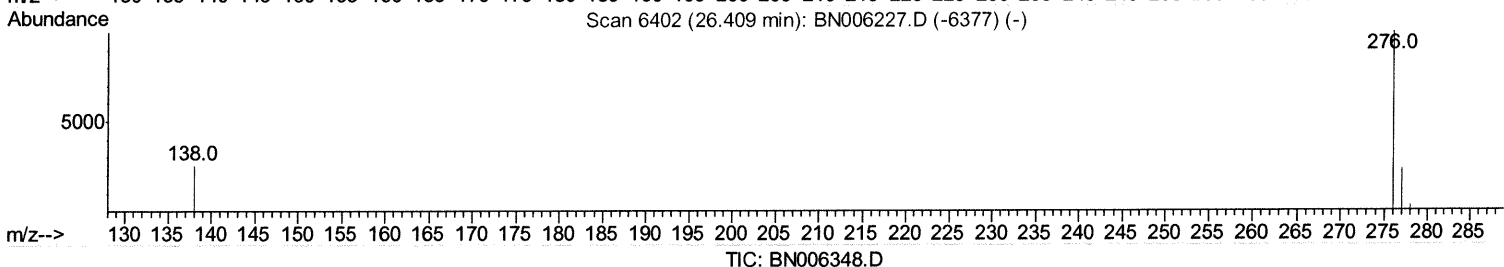
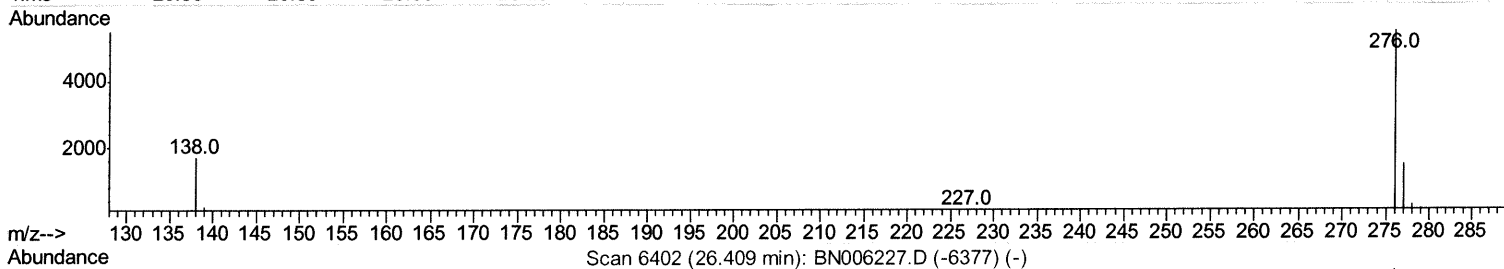
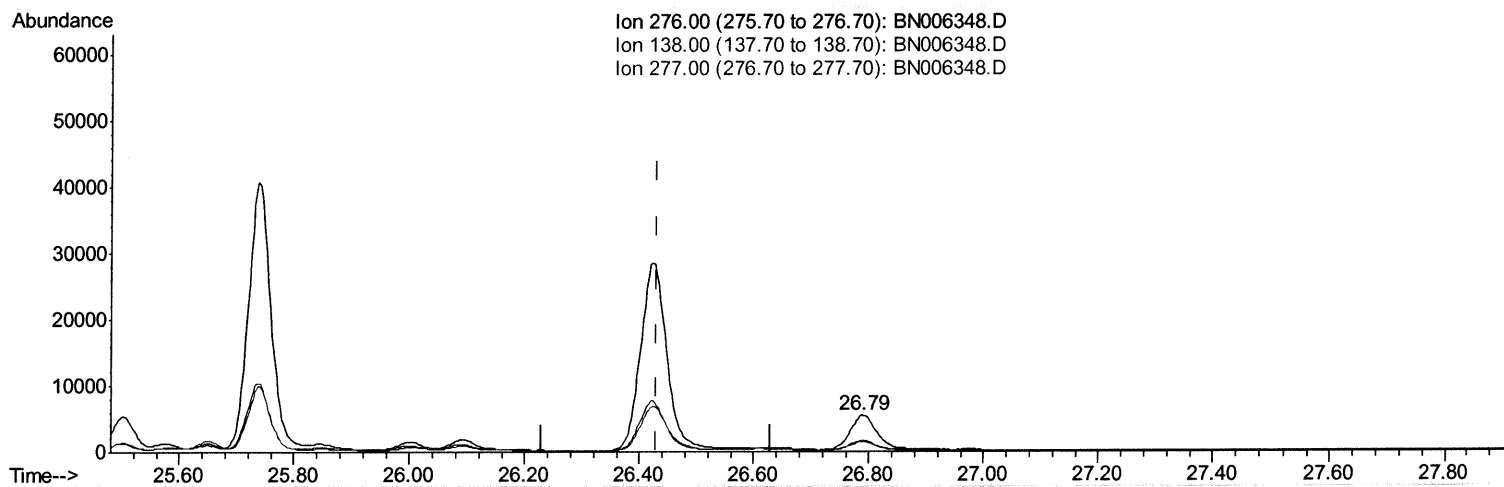
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
 Data File : BN006348.D  
 Acq On : 17 Jun 2019 15:16  
 Operator : JU/SJ  
 Sample : K3332-21  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A41W0

Manual Integrations  
 APPROVED

mohammad  
 6/20/2019 10:51:07 AM

Quant Time: Jun 18 02:20:45 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration



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

26.788min (+0.359) 0.42ng/ul

response 16661

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 30.30 | 31.33 |
| 277.00 | 26.90 | 27.38 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

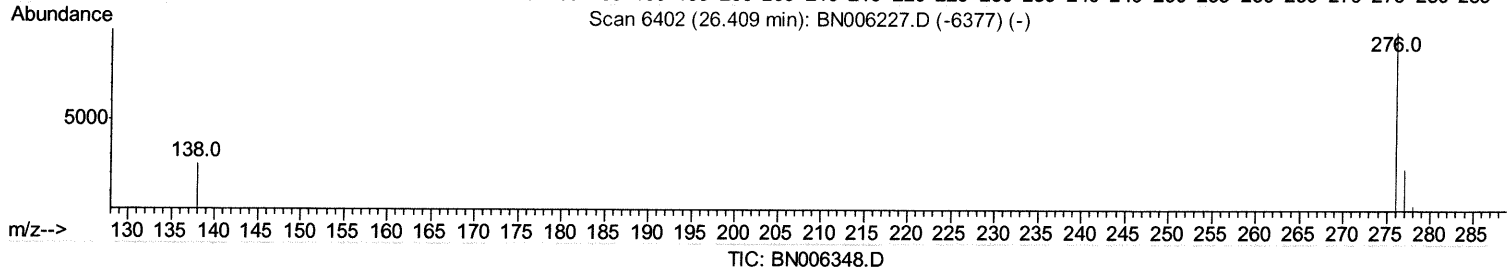
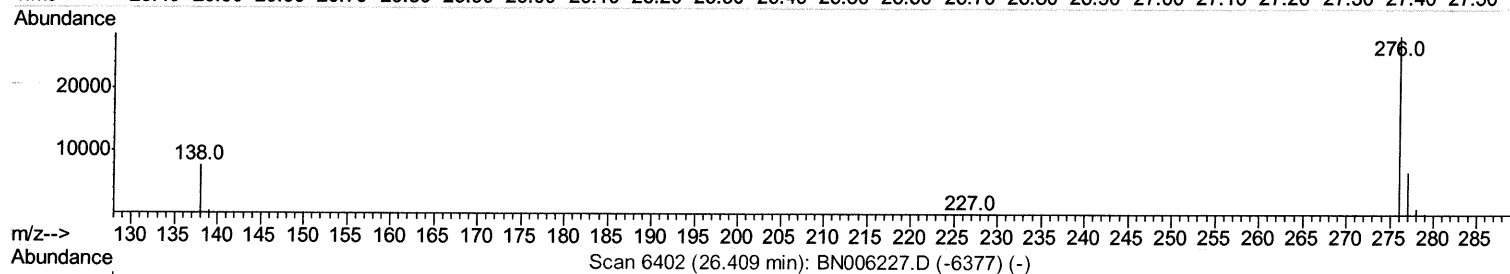
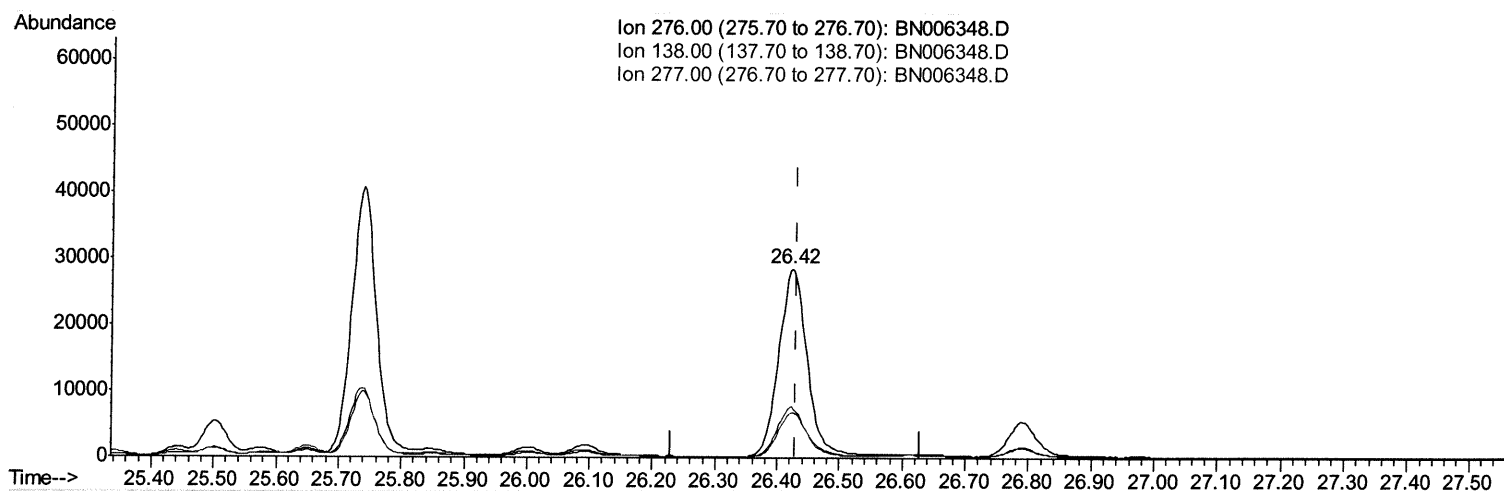
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
 Data File : BN006348.D  
 Acq On : 17 Jun 2019 15:16  
 Operator : JU/SJ  
 Sample : K3332-21  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A41W0

Manual Integrations  
 APPROVED

mohammad  
 6/20/2019 10:51:07 AM

Quant Time: Jun 18 02:20:45 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration



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

26.423min (-0.007) 2.27ng/ul m

response 90276

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 30.30 | 26.98 |
| 277.00 | 26.90 | 24.26 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\  
 Data File : BN006348.D  
 Acq On : 17 Jun 2019 15:16  
 Operator : JU/SJ  
 Sample : K3332-21  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A41W0

Manual Integrations  
 APPROVED

mohammad  
 6/20/2019 10:51:07 AM

Quant Time: Jun 18 02:22:36 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 11:13:07 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.64  | 152  | 5063     | 0.40 | nq/ul | 0.00     |
| 2) Naphthalene-d8         | 10.42 | 136  | 20424    | 0.40 | nq/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.29 | 164  | 11028    | 0.40 | nq/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.05 | 188  | 21533m>  | 0.40 | nq/ul | 0.00     |
| 16) Chrysene-d12          | 21.27 | 240  | 13047m>  | 0.40 | nq/ul | 0.00     |
| 20) Perylene-d12          | 23.50 | 264  | 11303m>  | 0.40 | ng/ul | 0.00     |

## System Monitoring Compounds

|                            |       |     |         |      |       |      |
|----------------------------|-------|-----|---------|------|-------|------|
| 4) 2-Methylnaphthalene-d10 | 12.02 | 152 | 5979    | 0.19 | nq/ul | 0.00 |
| 14) Fluoranthene-d10       | 19.09 | 212 | 14131m> | 0.24 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |          |       | Ovalue |     |
|----------------------------|-------|-----|----------|-------|--------|-----|
| 8) Acenaphthene            | 14.35 | 153 | 3288     | 0.077 | nq/ul  | 98  |
| 9) Fluorene                | 15.35 | 166 | 5121     | 0.103 | nq/ul  | 98  |
| 12) Phenanthrene           | 17.09 | 178 | 194410m> | 2.813 | nq/ul  |     |
| 13) Anthracene             | 17.18 | 178 | 22340m>  | 0.338 | nq/ul  |     |
| 15) Fluoranthene           | 19.12 | 202 | 543883m> | 7.126 | nq/ul  |     |
| 17) Pyrene                 | 19.49 | 202 | 403736   | 5.875 | nq/ul  | 100 |
| 18) Benzo(a)anthracene     | 21.25 | 228 | 156265m> | 2.708 | nq/ul  |     |
| 19) Chrysene               | 21.30 | 228 | 215706m> | 3.982 | nq/ul  |     |
| 21) Benzo(b)fluoranthene   | 22.84 | 252 | 246476m> | 5.230 | nq/ul  |     |
| 22) Benzo(k)fluoranthene   | 22.88 | 252 | 84931m>  | 1.850 | nq/ul  |     |
| 23) Benzo(a)pyrene         | 23.41 | 252 | 146910m> | 3.347 | nq/ul  |     |
| 24) Indeno(1,2,3-cd)pyrene | 25.74 | 276 | 108017m> | 2.273 | nq/ul  |     |
| 25) Dibenzo(a,h)anthracene | 25.74 | 278 | 23694m>  | 0.624 | nq/ul  |     |
| 26) Benzo(g,h,i)perylene   | 26.42 | 276 | 90276m>  | 2.269 | nq/ul  |     |

Ju 06/18/19

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