

```

Data Path   : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File   : BN006189.D
Acq On      : 08 Jun 2019   13:55
Operator    : JU/SJ
Sample      : K3016-15
Misc        :
ALS Vial    : 8      Sample Multiplier: 1

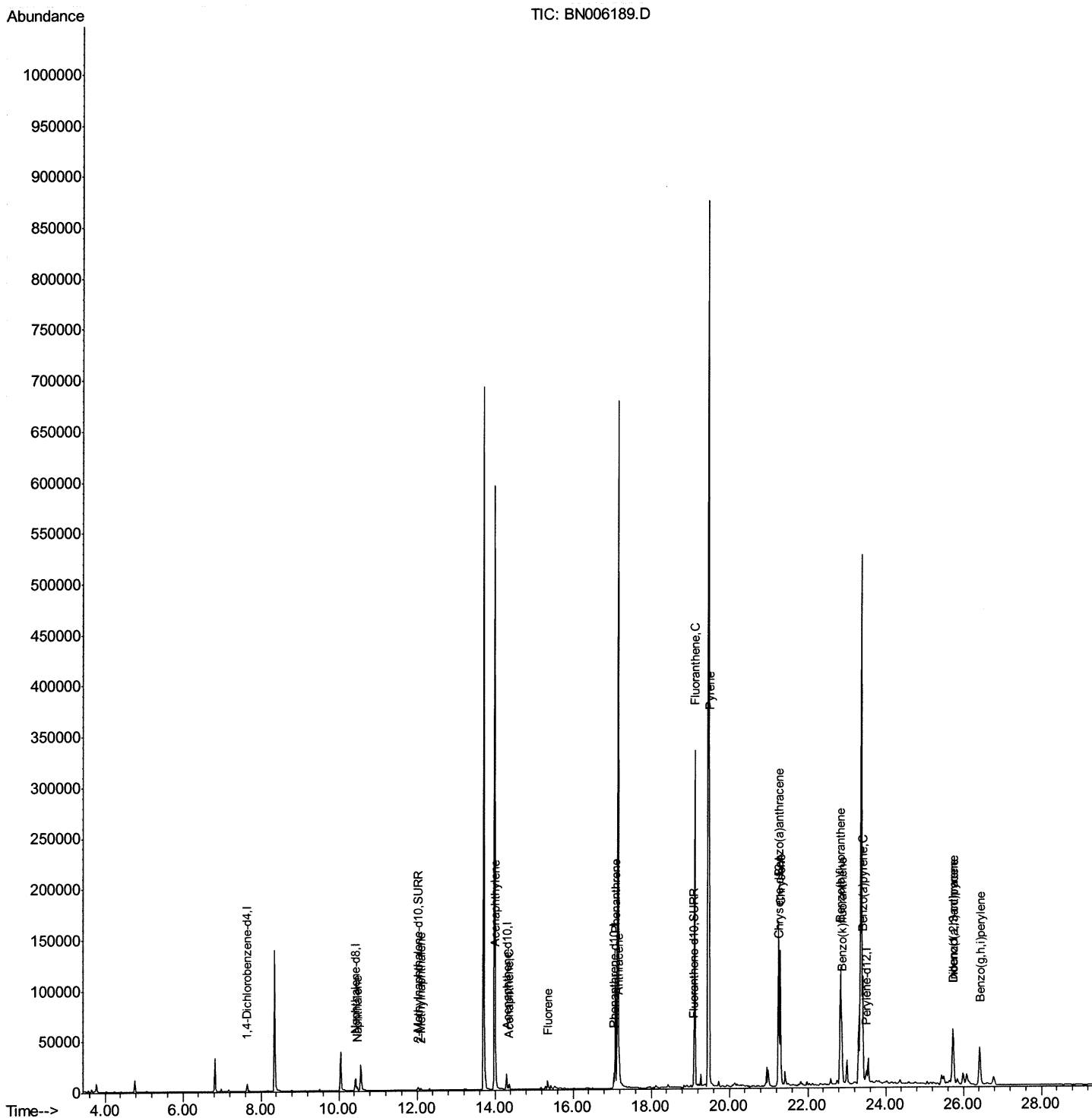
```

**Instrument :**  
BNA\_N  
**ClientSampleId :**  
A51D2

## Manual Integrations

mohammad  
6/11/2019 4:30:29 PM

Quant Time: Jun 08 15:38:17 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 : Fri Jun 07 01:31:14 2019  
Response via : Initial Calibration



# Quantitation Report (Qedit)

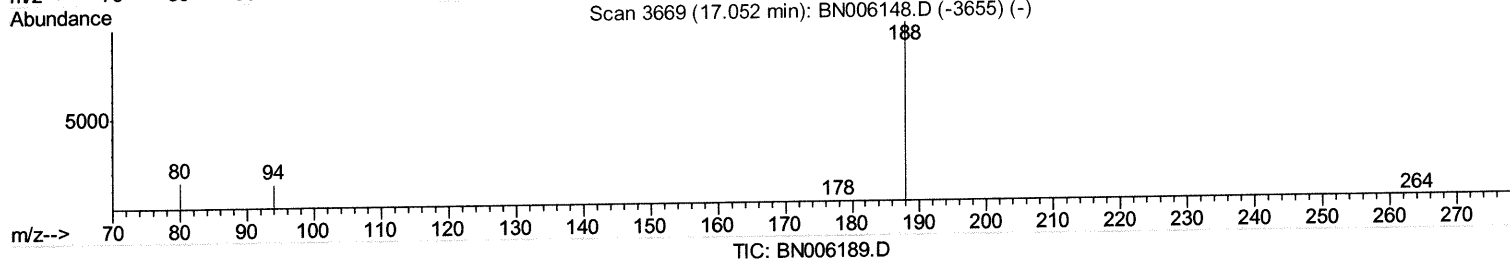
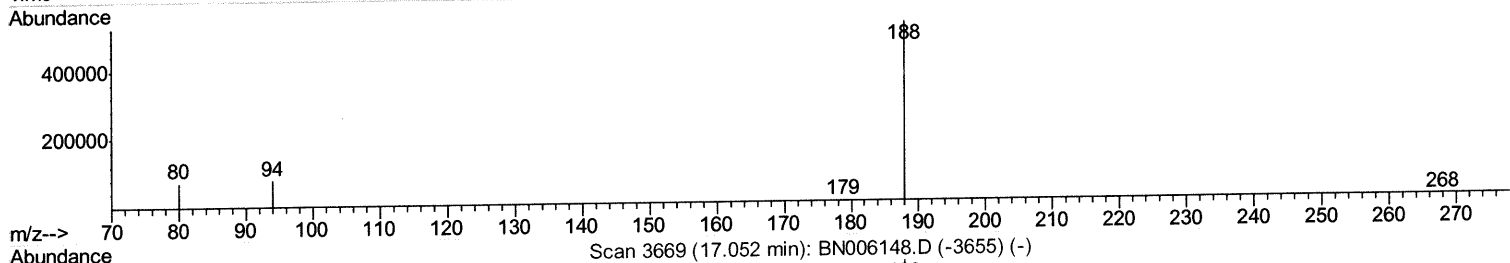
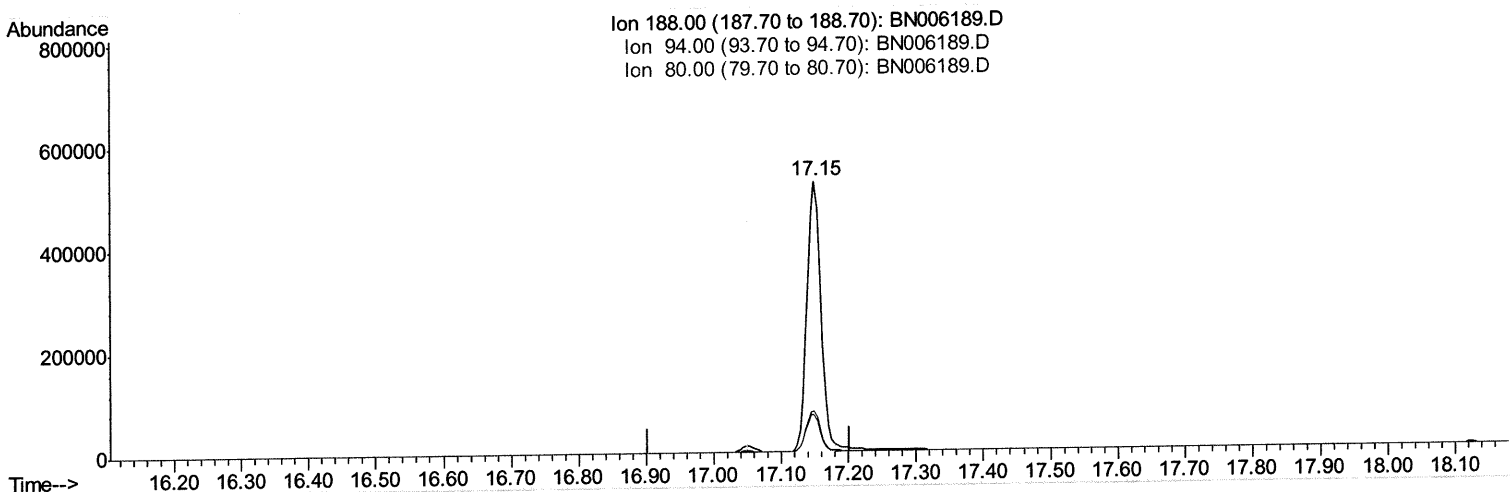
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\  
 Data File : BN006189.D  
 Acq On : 08 Jun 2019 13:55  
 Operator : JU/SJ  
 Sample : K3016-15  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A51D2

Manual Integrations  
 APPROVED

mohammad  
 6/11/2019 4:30:29 PM

Quant Time: Jun 08 15:22:14 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 : Fri Jun 07 01:31:14 2019  
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.149min (+0.097) 0.40ng/ul

response 744453

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 13.00 | 15.02 |
| 80.00  | 13.60 | 13.72 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

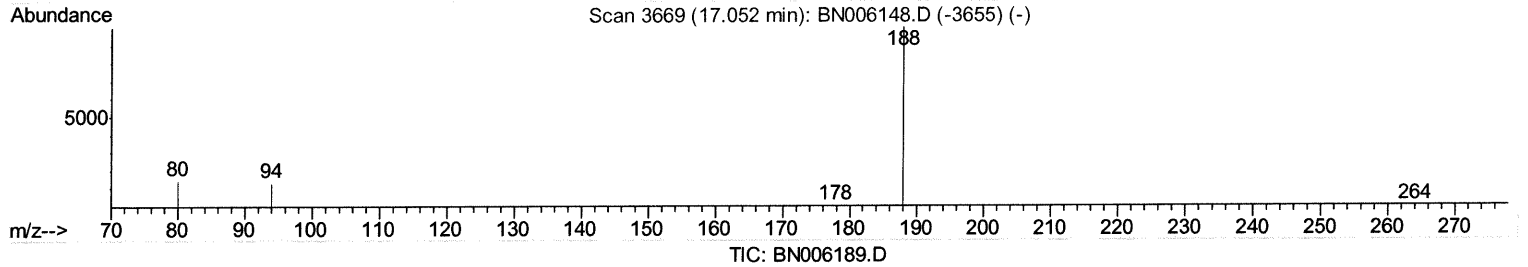
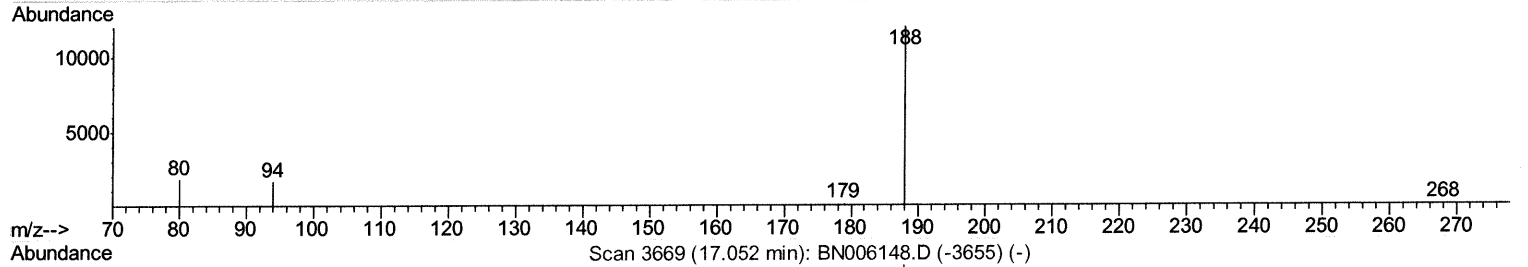
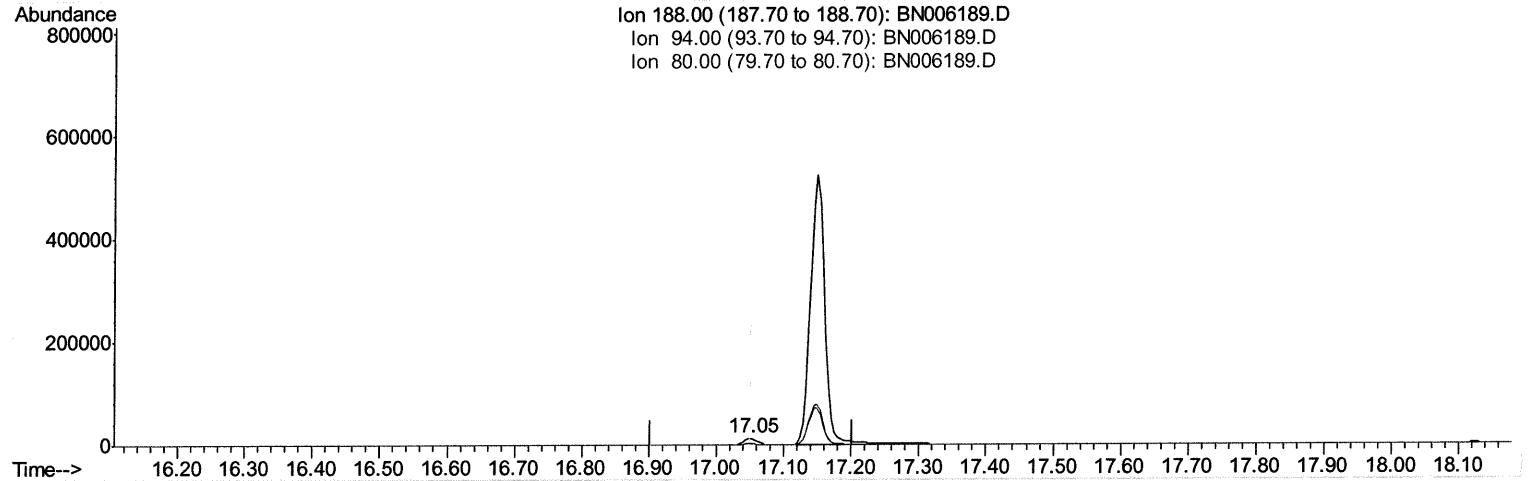
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\  
 Data File : BN006189.D  
 Acq On : 08 Jun 2019 13:55  
 Operator : JU/SJ  
 Sample : K3016-15  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A51D2

Manual Integrations  
 APPROVED

mohammad  
 6/11/2019 4:30:29 PM

Quant Time: Jun 08 15:22:14 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 : Fri Jun 07 01:31:14 2019  
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.052min (-0.000) 0.40ng/ul m

response 17249

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 13.00 | 13.75 |
| 80.00  | 13.60 | 15.09 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

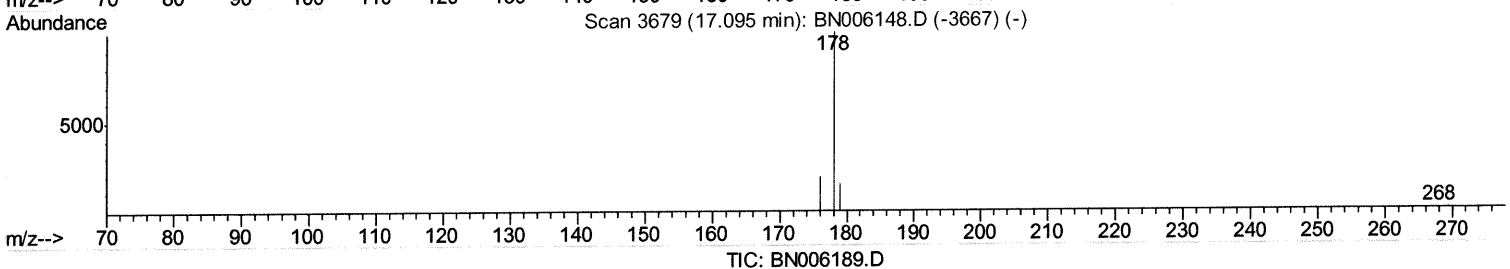
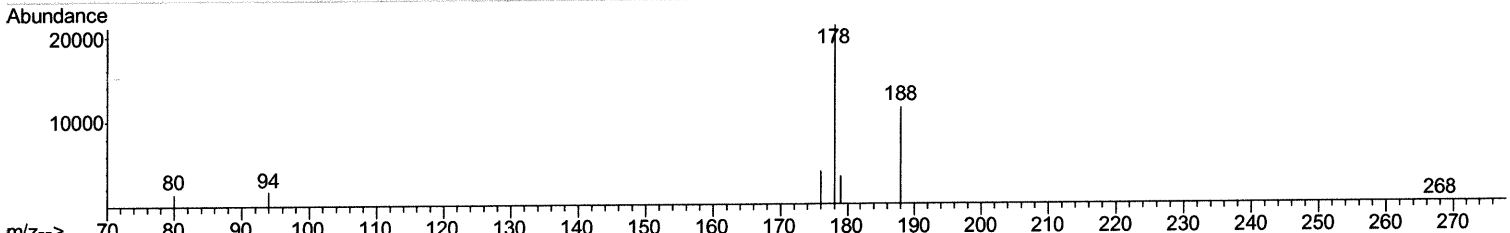
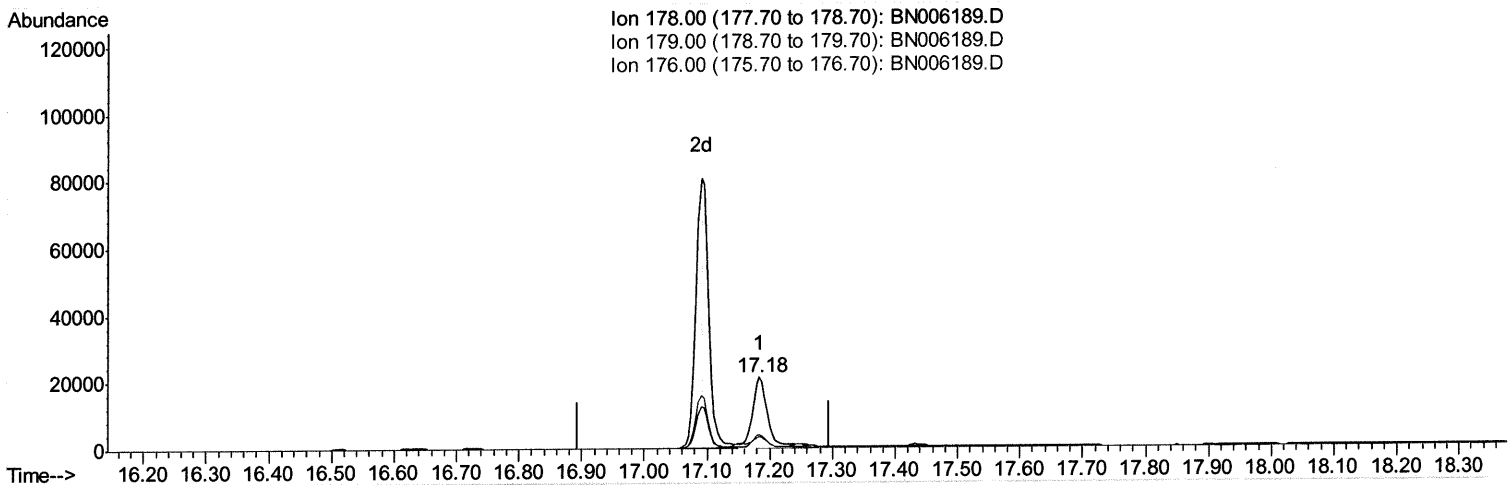
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\  
 Data File : BN006189.D  
 Acq On : 08 Jun 2019 13:55  
 Operator : JU/SJ  
 Sample : K3016-15  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A51D2

Manual Integrations  
 APPROVED

mohammad  
 6/11/2019 4:30:29 PM

Quant Time: Jun 08 15:23:40 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 : Fri Jun 07 01:31:14 2019  
 Response via : Initial Calibration



(12) Phenanthrene

17.183min (+0.089) 0.65ng/ul

response 35859

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 15.40 | 15.89 |
| 176.00 | 19.10 | 18.94 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

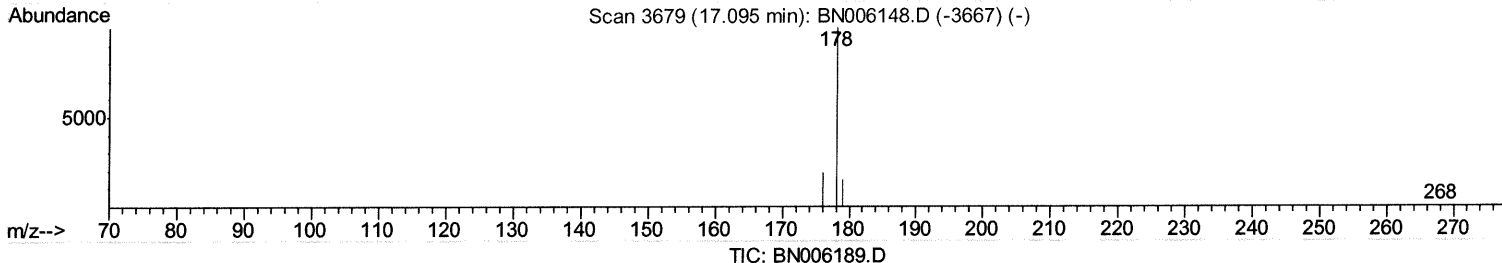
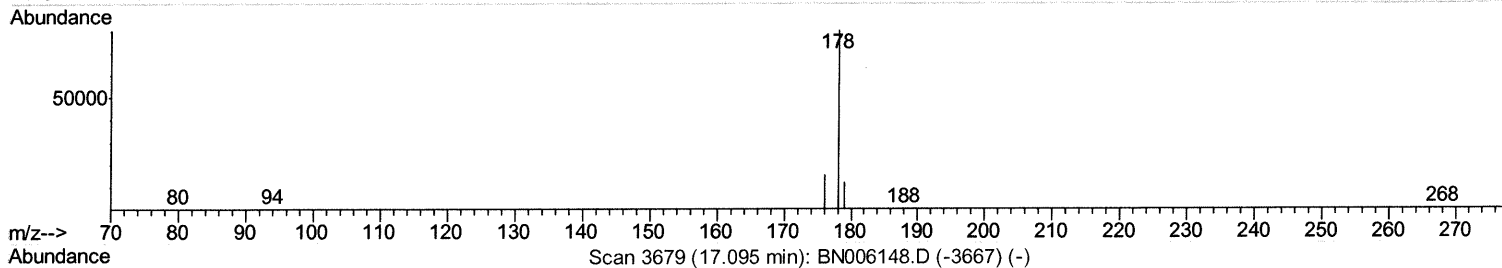
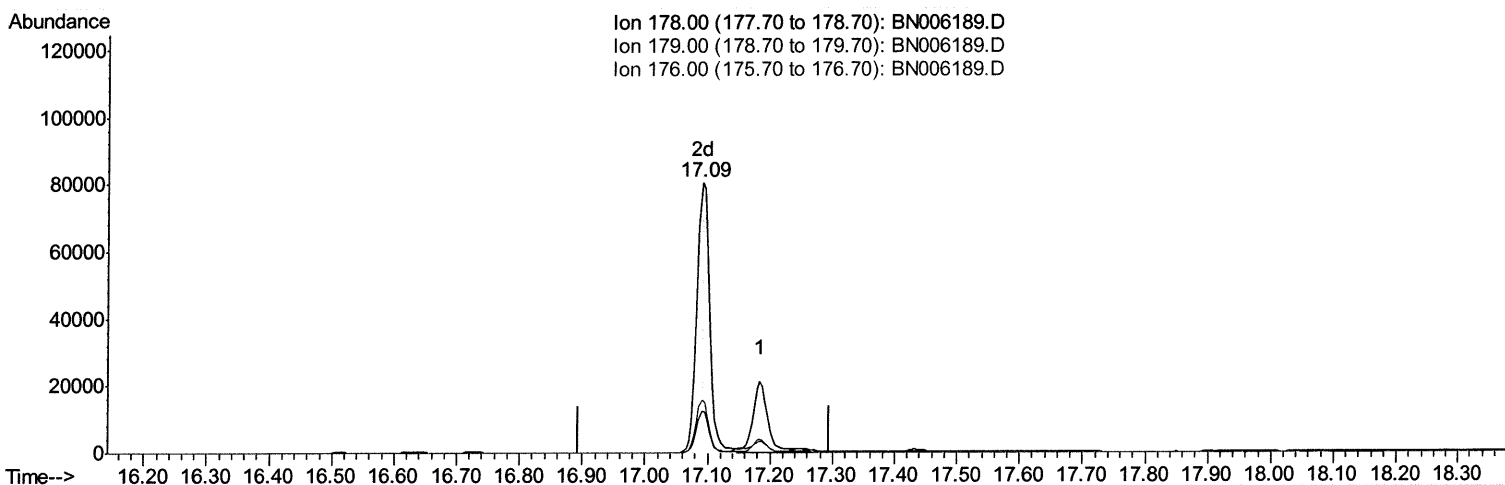
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\  
 Data File : BN006189.D  
 Acq On : 08 Jun 2019 13:55  
 Operator : JU/SJ  
 Sample : K3016-15  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A51D2

Manual Integrations  
 APPROVED

mohammad  
 6/11/2019 4:30:29 PM

Quant Time: Jun 08 15:23:40 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 : Fri Jun 07 01:31:14 2019  
 Response via : Initial Calibration



(12) Phenanthrene

17.090min (-0.004) 2.07ng/ul m *JU* 06/10/19

response 114400

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 15.40 | 15.32 |
| 176.00 | 19.10 | 19.43 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

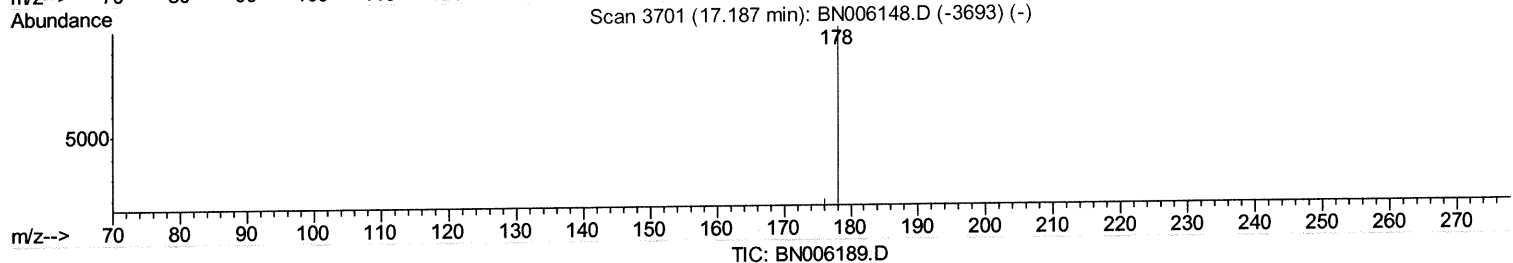
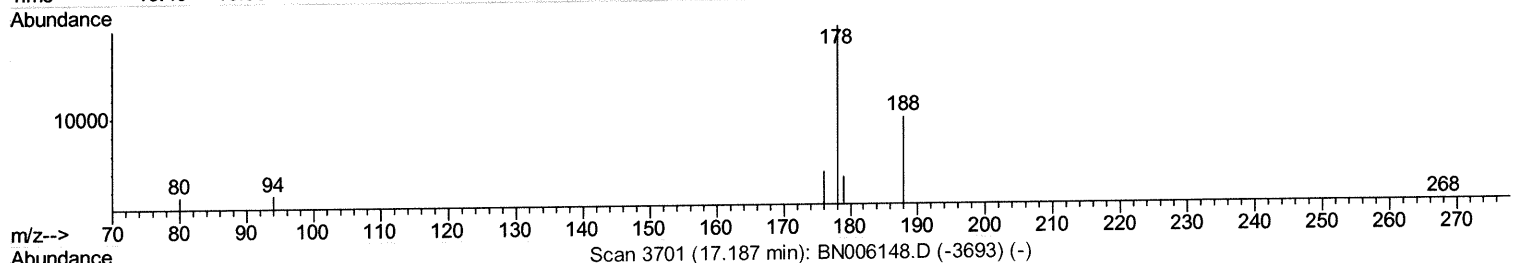
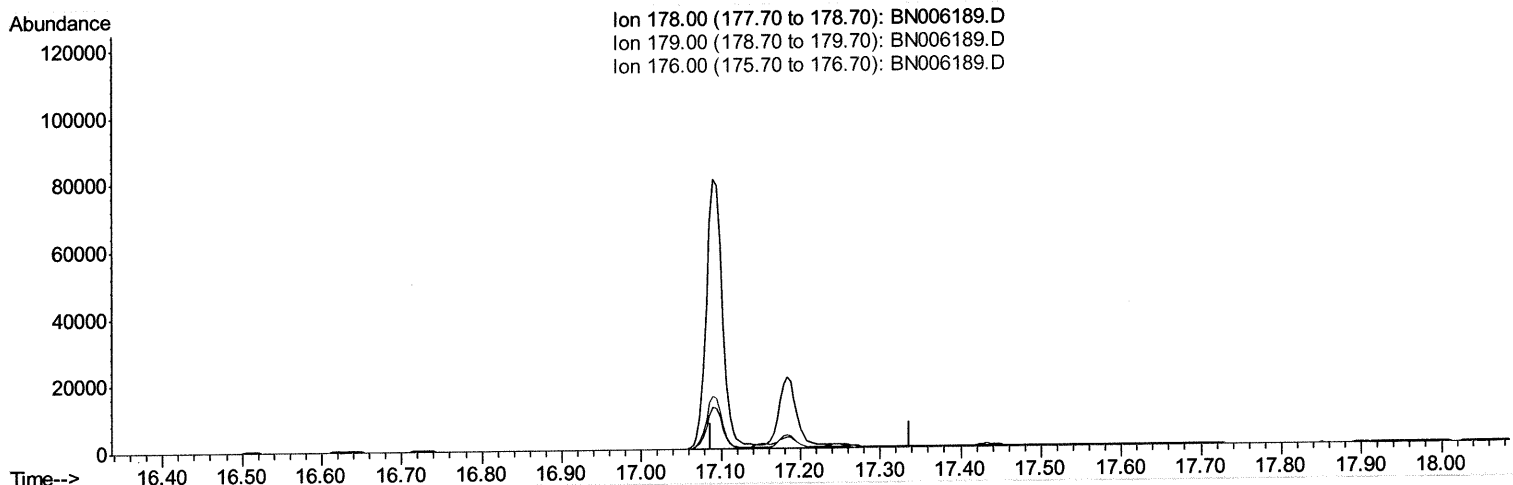
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\  
 Data File : BN006189.D  
 Acq On : 08 Jun 2019 13:55  
 Operator : JU/SJ  
 Sample : K3016-15  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A51D2

Manual Integrations  
 APPROVED

mohammad  
 6/11/2019 4:30:29 PM

Quant Time: Jun 08 15:23:40 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 : Fri Jun 07 01:31:14 2019  
 Response via : Initial Calibration



(13) Anthracene

17.187min (-17.187) 0.00ng/ul

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)

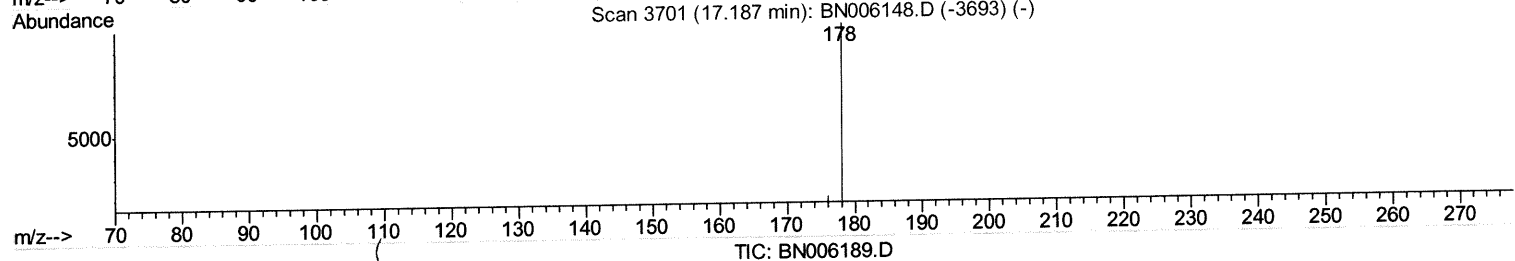
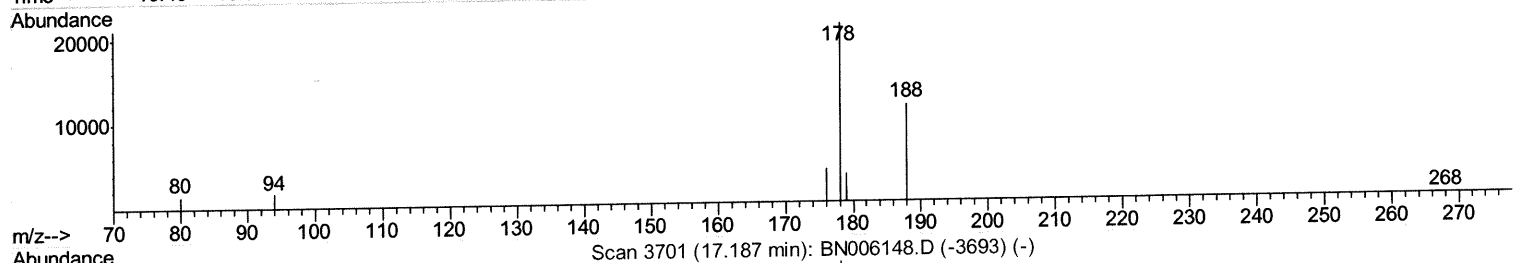
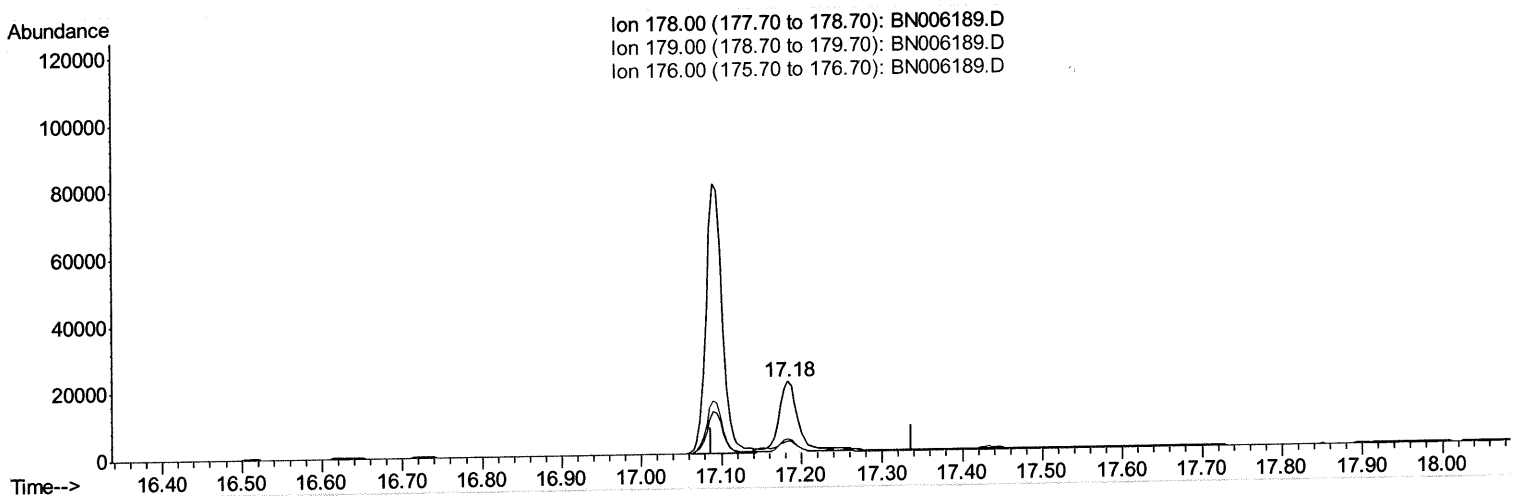
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\  
 Data File : BN006189.D  
 Acq On : 08 Jun 2019 13:55  
 Operator : JU/SJ  
 Sample : K3016-15  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A51D2

Manual Integrations  
 APPROVED

mohammad  
 6/11/2019 4:30:29 PM

Quant Time: Jun 08 15:23:40 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 : Fri Jun 07 01:31:14 2019  
 Response via : Initial Calibration



(13) Anthracene

17.183min (-0.004) 0.69ng/ul m

JU  
 06/20/19

response 36727

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 15.30 | 15.89 |
| 176.00 | 18.90 | 18.94 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

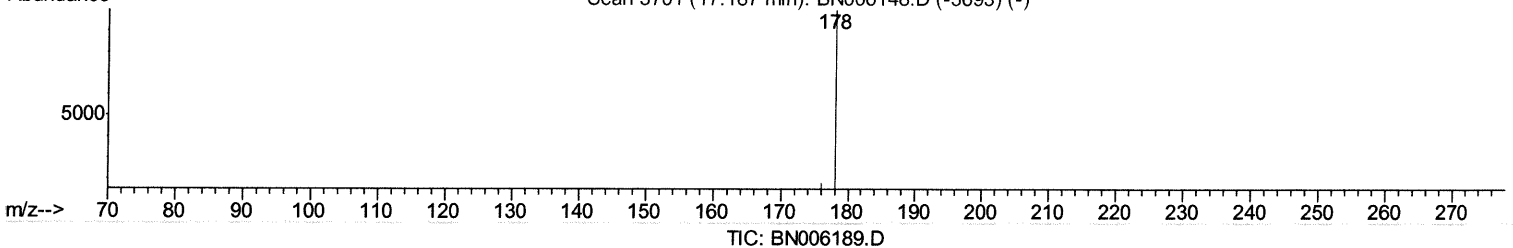
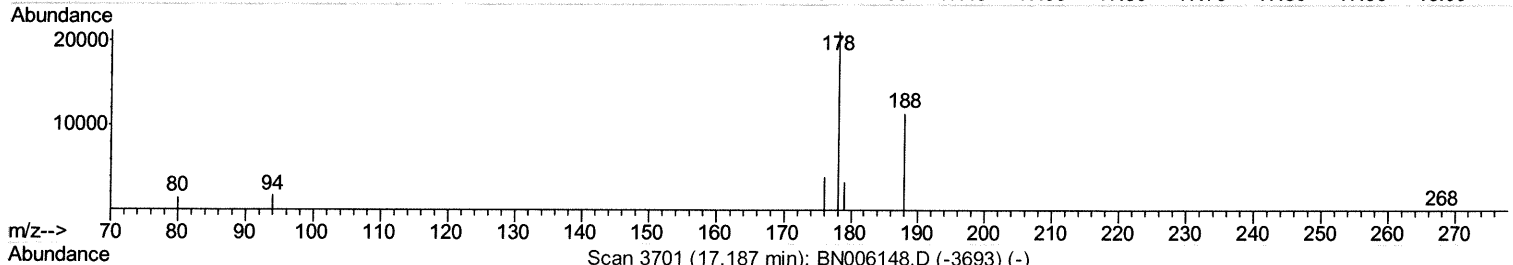
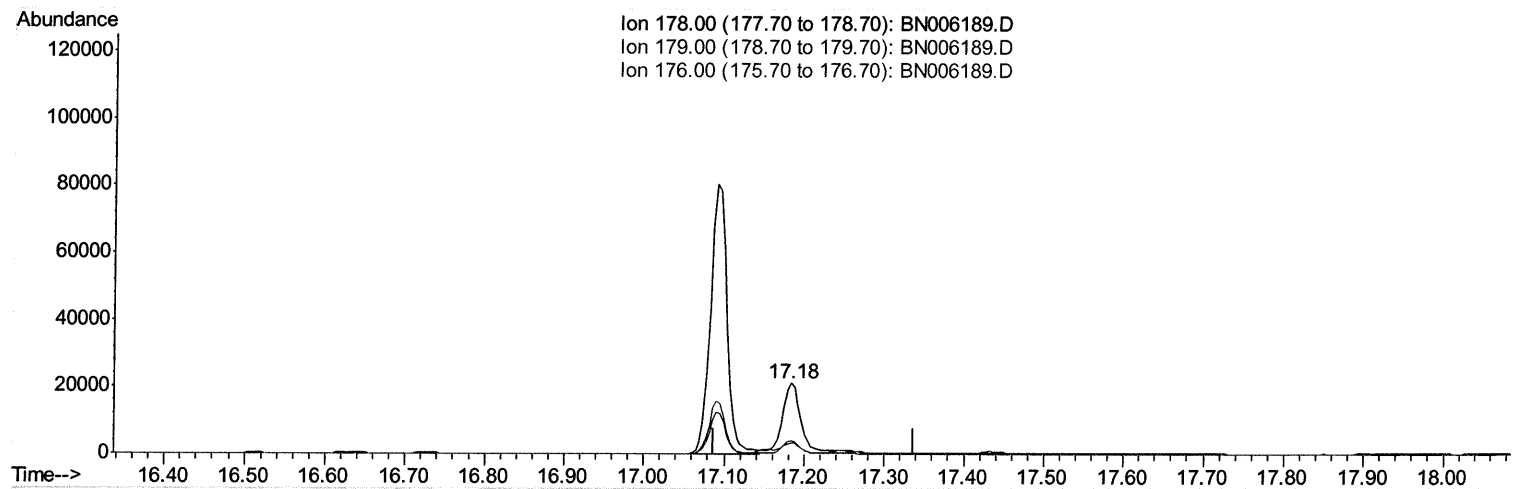
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\  
 Data File : BN006189.D  
 Acq On : 08 Jun 2019 13:55  
 Operator : JU/SJ  
 Sample : K3016-15  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A51D2

Manual Integrations  
 APPROVED

mohammad  
 6/11/2019 4:30:29 PM

Quant Time: Jun 08 15:23:40 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 : Fri Jun 07 01:31:14 2019  
 Response via : Initial Calibration



(13) Anthracene

17.183min (-0.004) 0.69ng/ul m <sup>JU</sup> 06/10/19

response 36727

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 15.30 | 15.89 |
| 176.00 | 18.90 | 18.94 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

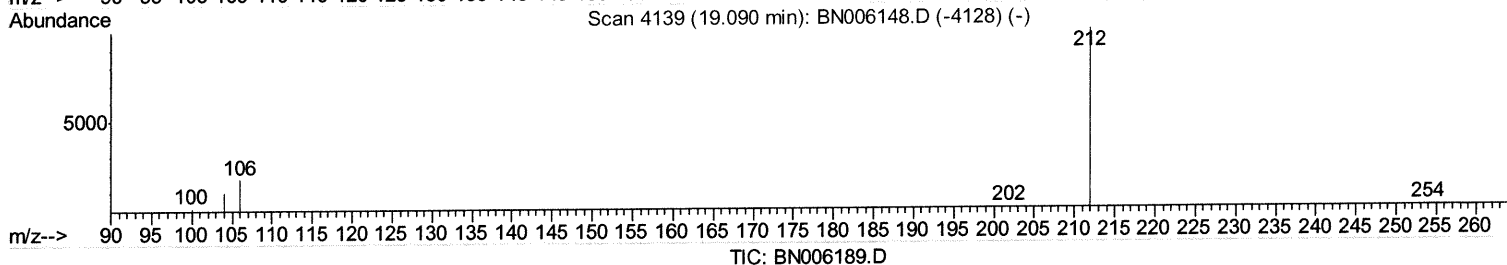
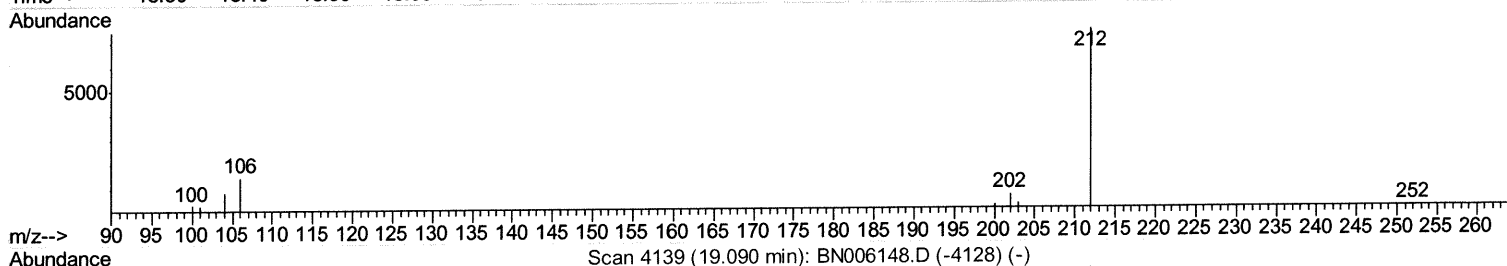
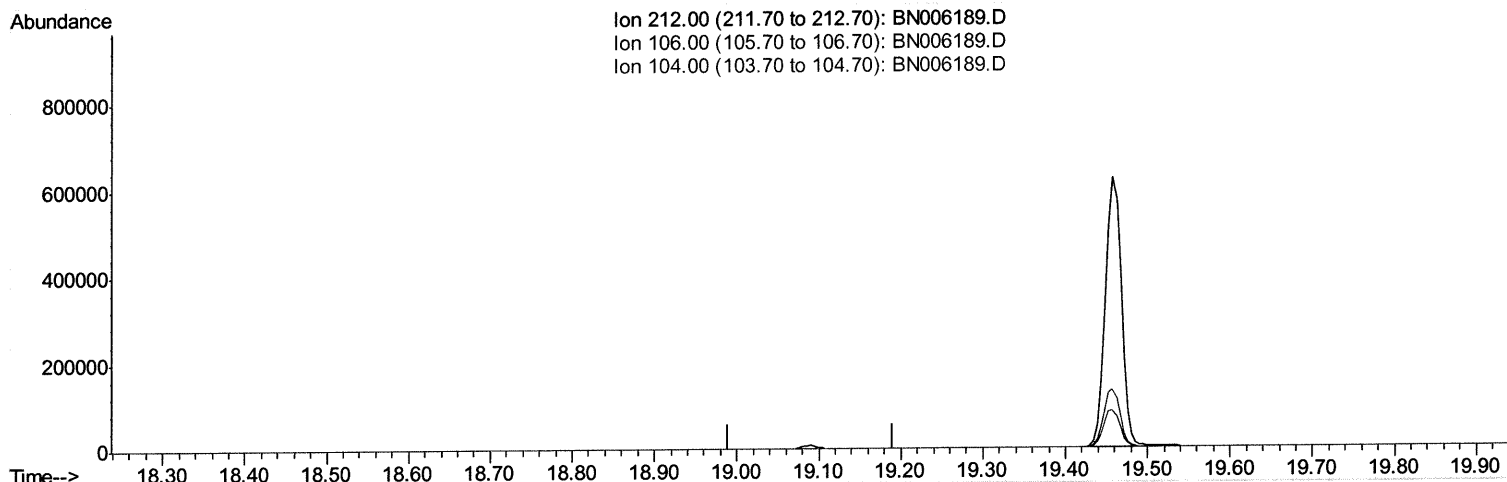
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\  
 Data File : BN006189.D  
 Acq On : 08 Jun 2019 13:55  
 Operator : JU/SJ  
 Sample : K3016-15  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A51D2

Manual Integrations  
 APPROVED

mohammad  
 6/11/2019 4:30:29 PM

Quant Time: Jun 08 15:23:40 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 : Fri Jun 07 01:31:14 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)

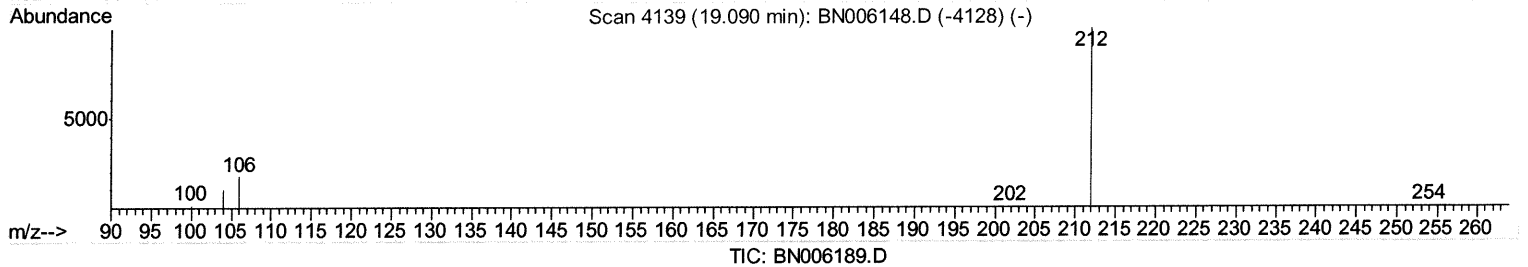
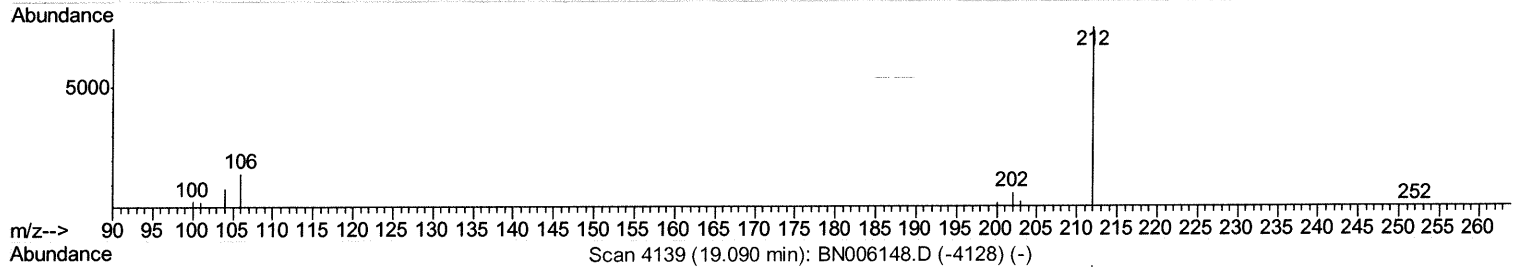
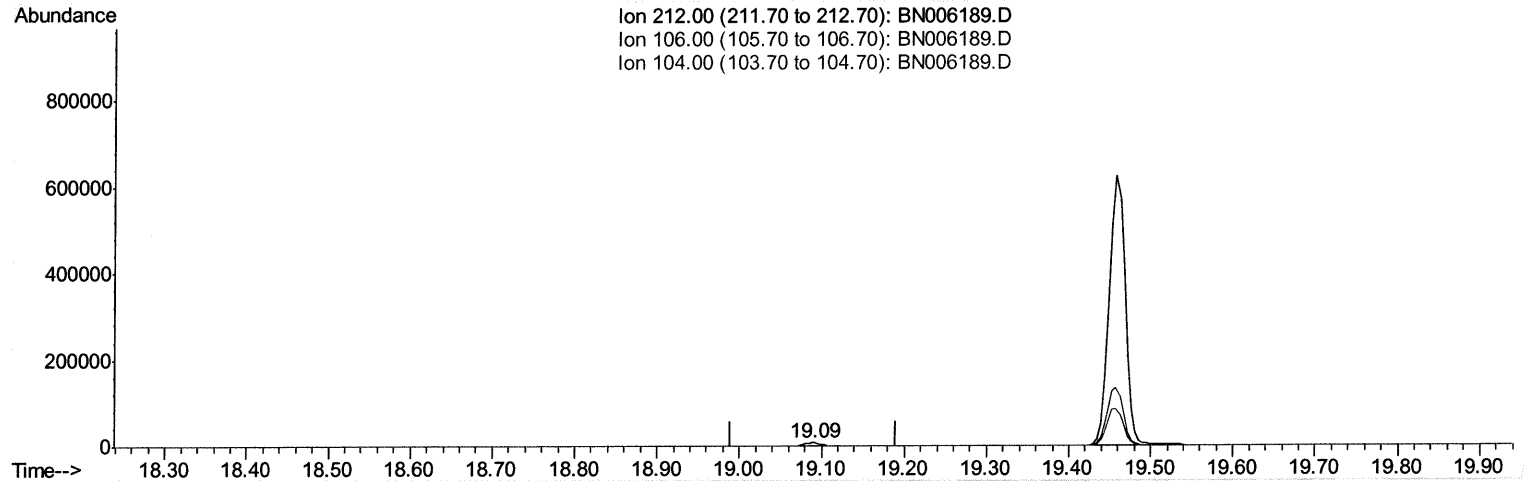
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\  
 Data File : BN006189.D  
 Acq On : 08 Jun 2019 13:55  
 Operator : JU/SJ  
 Sample : K3016-15  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A51D2

Manual Integrations  
 APPROVED

mohammad  
 6/11/2019 4:30:29 PM

Quant Time: Jun 08 15:23:40 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 : Fri Jun 07 01:31:14 2019  
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.090min (-0.000) 0.22ng/ul m

JU  
 06/10/19

response 10416

| 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)

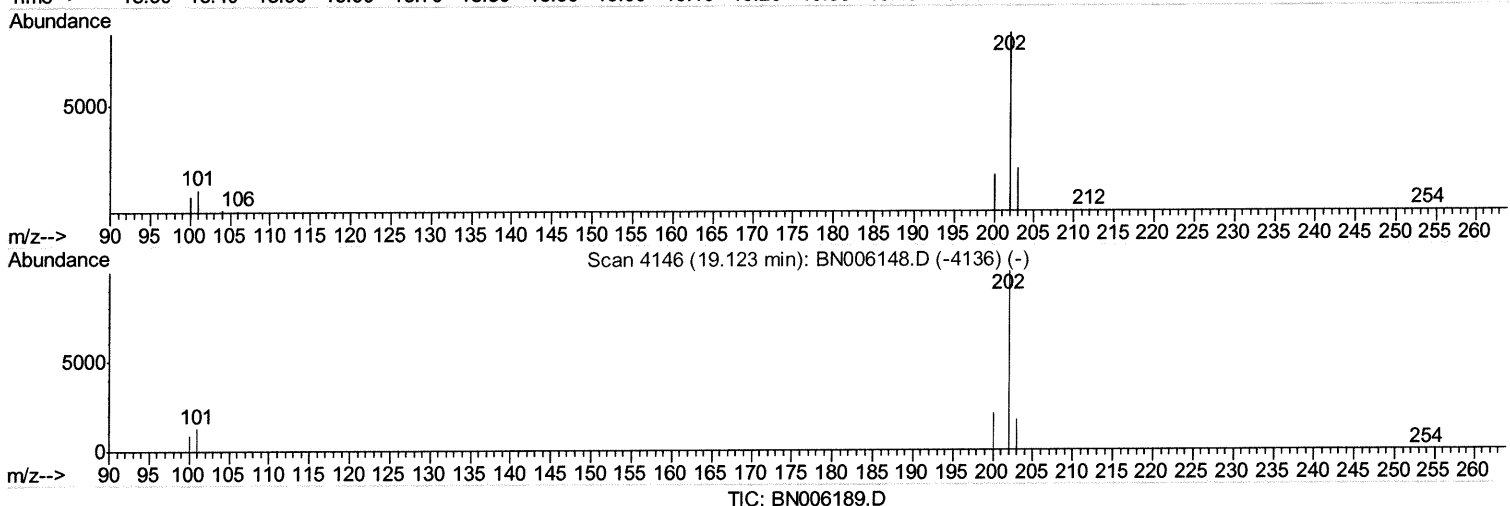
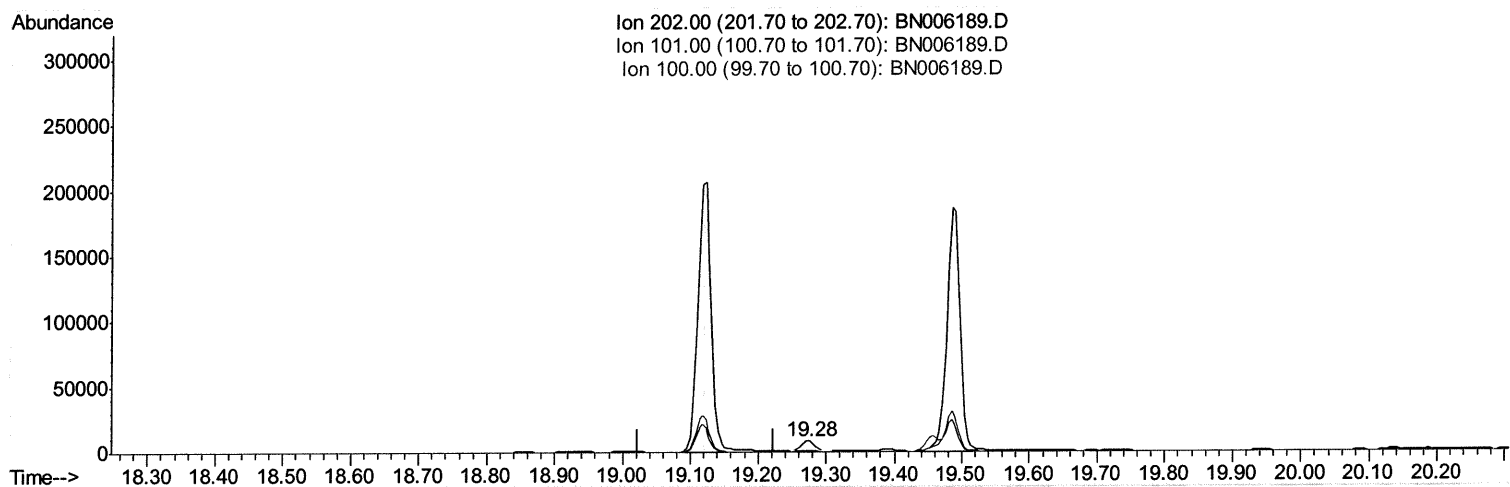
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\  
Data File : BN006189.D  
Acq On : 08 Jun 2019 13:55  
Operator : JU/SJ  
Sample : K3016-15  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A51D2

Manual Integrations  
APPROVED

mohammad  
6/11/2019 4:30:29 PM

Quant Time: Jun 08 15:23:40 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 : Fri Jun 07 01:31:14 2019  
Response via : Initial Calibration



(15) Fluoranthene (C)

19.276min (+0.153) 0.17ng/ul

response 10405

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 12.10 | 13.52 |
| 100.00 | 8.70  | 9.76  |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

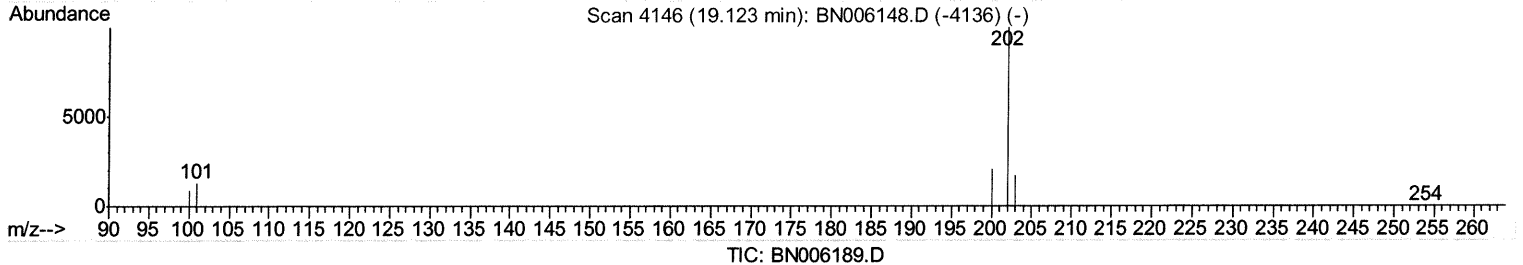
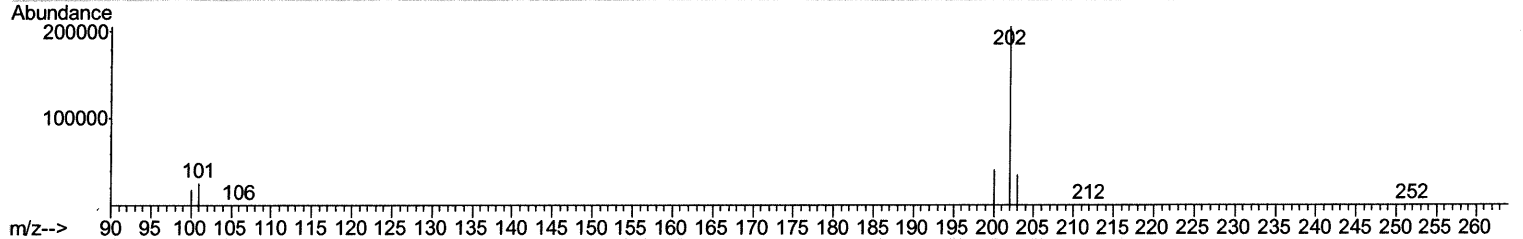
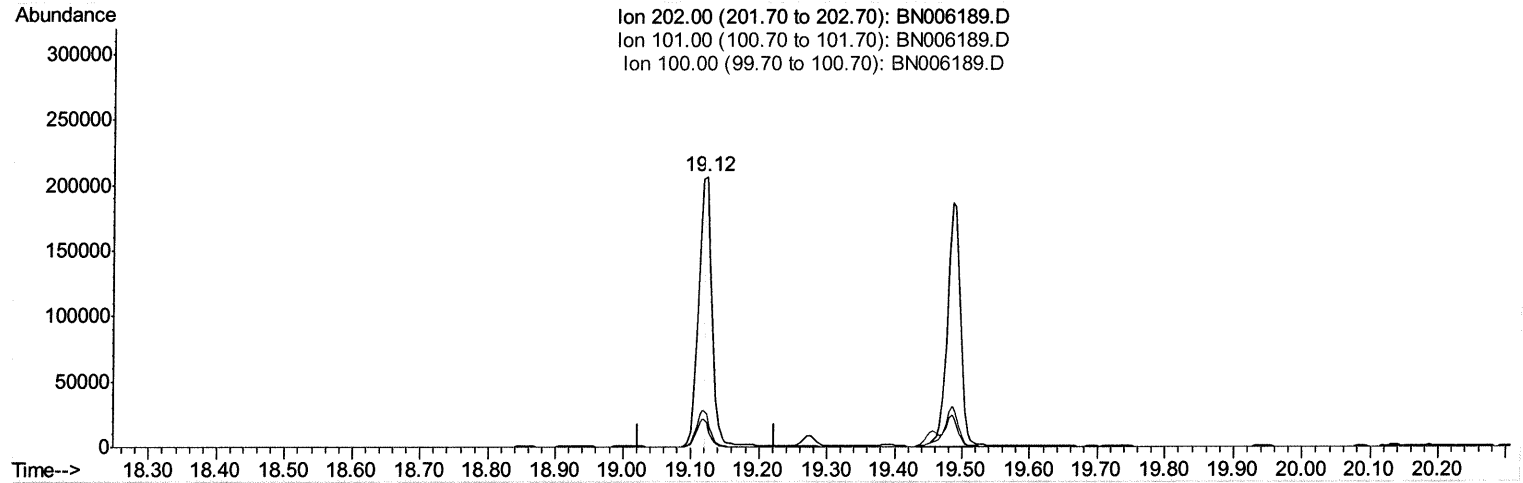
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\  
 Data File : BN006189.D  
 Acq On : 08 Jun 2019 13:55  
 Operator : JU/SJ  
 Sample : K3016-15  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A51D2

Manual Integrations  
 APPROVED

mohammad  
 6/11/2019 4:30:29 PM

Quant Time: Jun 08 15:23:40 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 : Fri Jun 07 01:31:14 2019  
 Response via : Initial Calibration



(15) Fluoranthene (C)

19.123min (-0.000) 4.69ng/ul m <sup>JU</sup> 06/10/19

response 286752

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 12.10 | 12.45 |
| 100.00 | 8.70  | 8.88  |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

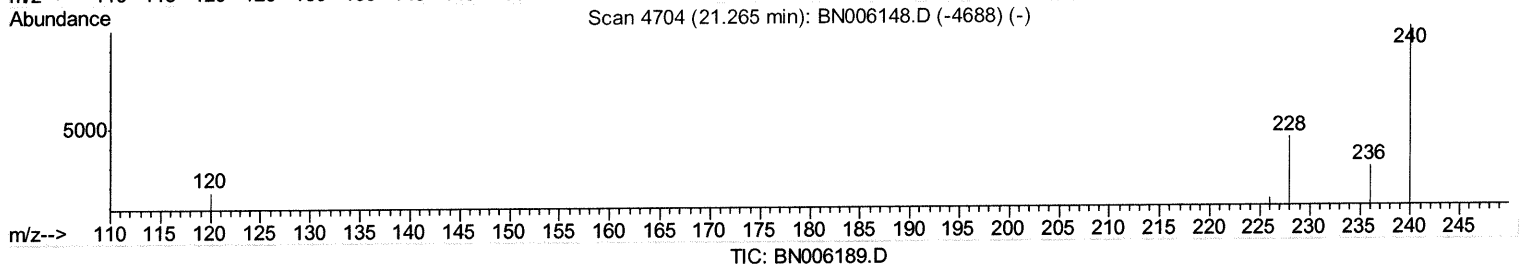
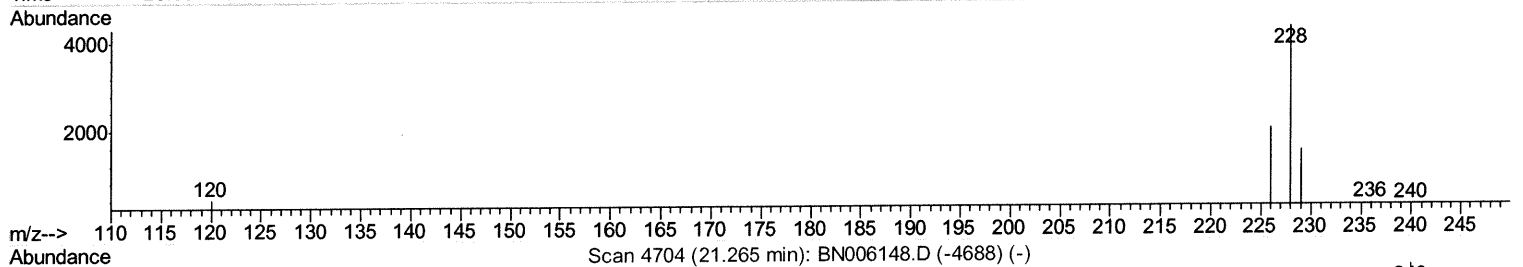
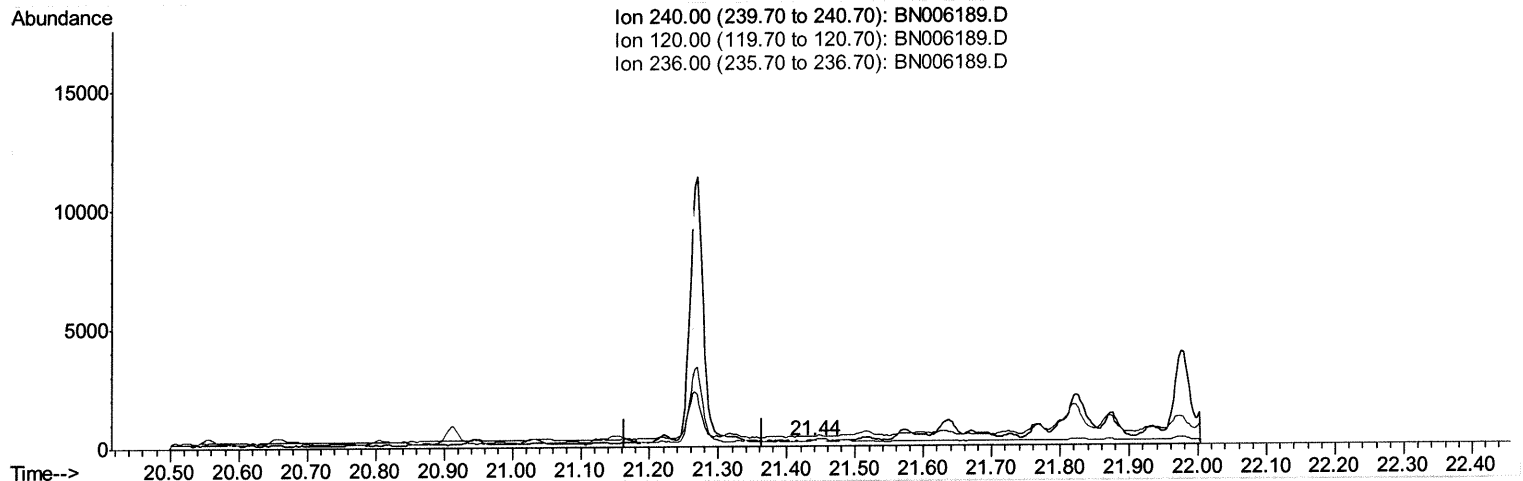
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\  
 Data File : BN006189.D  
 Acq On : 08 Jun 2019 13:55  
 Operator : JU/SJ  
 Sample : K3016-15  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampled :  
 A51D2

Manual Integrations  
 APPROVED

mohammad  
 6/11/2019 4:30:29 PM

Quant Time: Jun 08 15:23:40 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 : Fri Jun 07 01:31:14 2019  
 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.438min (+0.172) 0.40ng/ul

response 59

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 240.00 | 100   | 100     |
| 120.00 | 20.10 | 177.05# |
| 236.00 | 30.10 | 106.97# |
| 0.00   | 0.00  | 0.00    |

## Quantitation Report (Qedit)

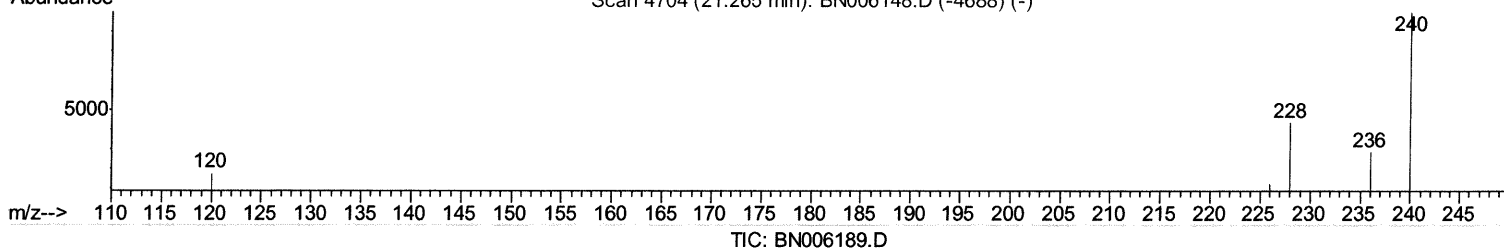
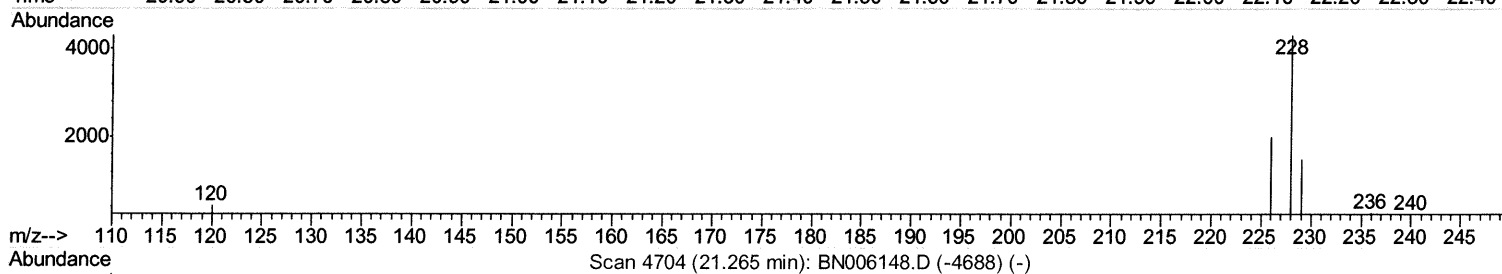
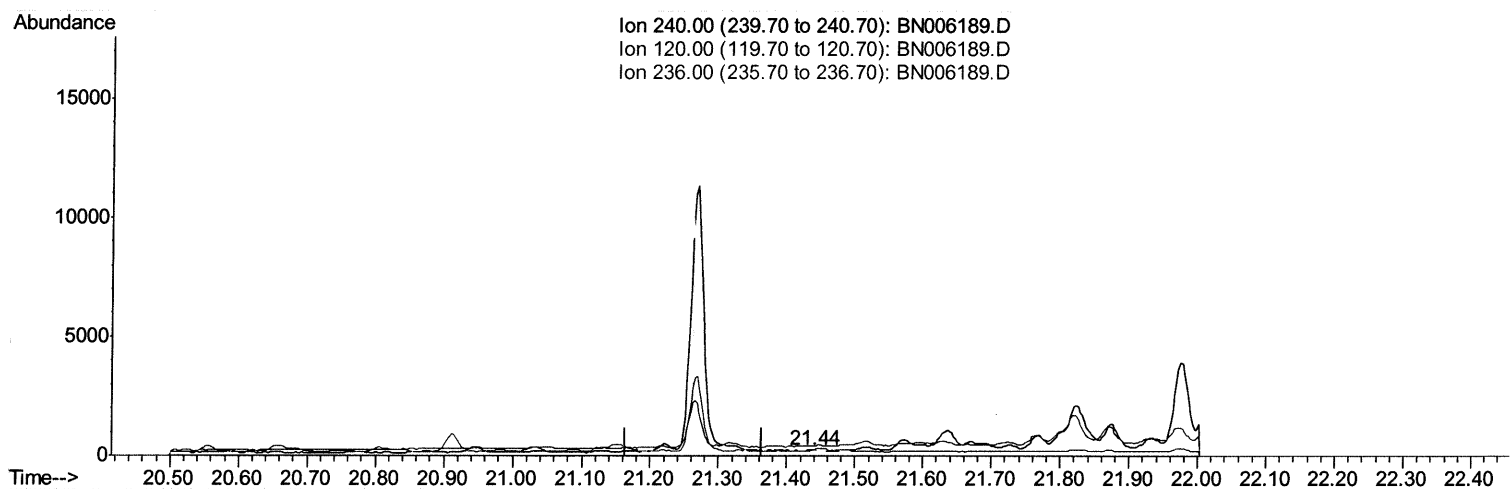
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\  
Data File : BN006189.D  
Acq On : 08 Jun 2019 13:55  
Operator : JU/SJ  
Sample : K3016-15  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A51D2

Manual Integrations  
APPROVED

mohammad  
6/11/2019 4:30:29 PM

Quant Time: Jun 08 15:23:40 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 : Fri Jun 07 01:31:14 2019  
Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.438min (+0.172) 0.40ng/ul

response 59

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 240.00 | 100   | 100     |
| 120.00 | 20.10 | 177.05# |
| 236.00 | 30.10 | 106.97# |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

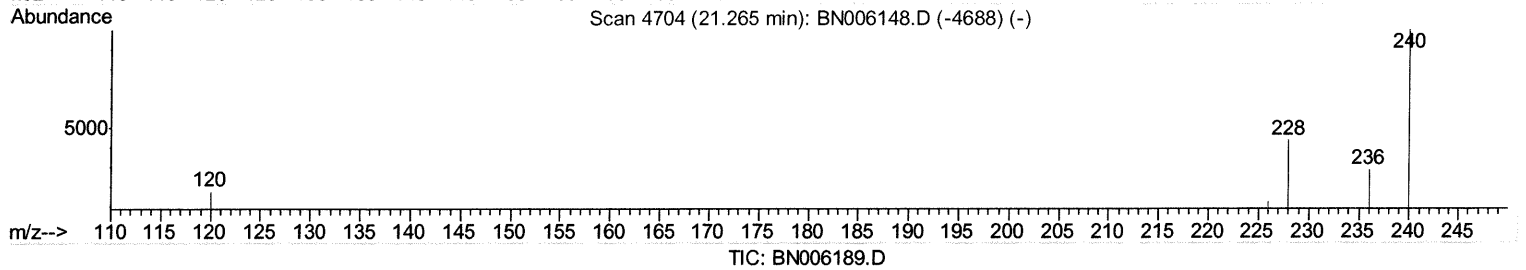
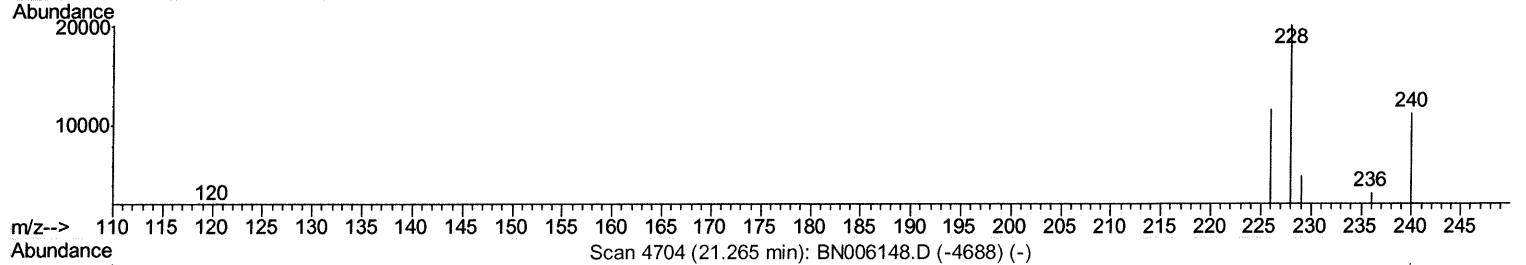
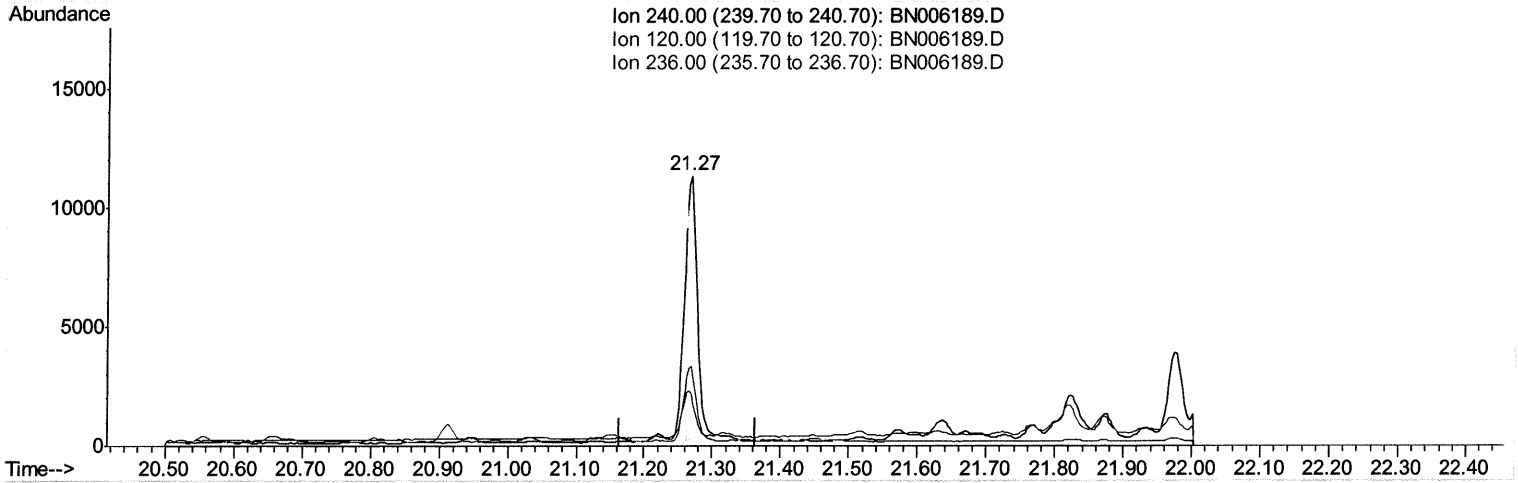
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\  
 Data File : BN006189.D  
 Acq On : 08 Jun 2019 13:55  
 Operator : JU/SJ  
 Sample : K3016-15  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A51D2

Manual Integrations  
 APPROVED

mohammad  
 6/11/2019 4:30:29 PM

Quant Time: Jun 08 15:23:40 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 : Fri Jun 07 01:31:14 2019  
 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.268min (+0.003) 0.40ng/ul m <sup>JU</sup> 06/10/19

response 14540

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 240.00 | 100   | 100   |
| 120.00 | 20.10 | 19.36 |
| 236.00 | 30.10 | 29.34 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

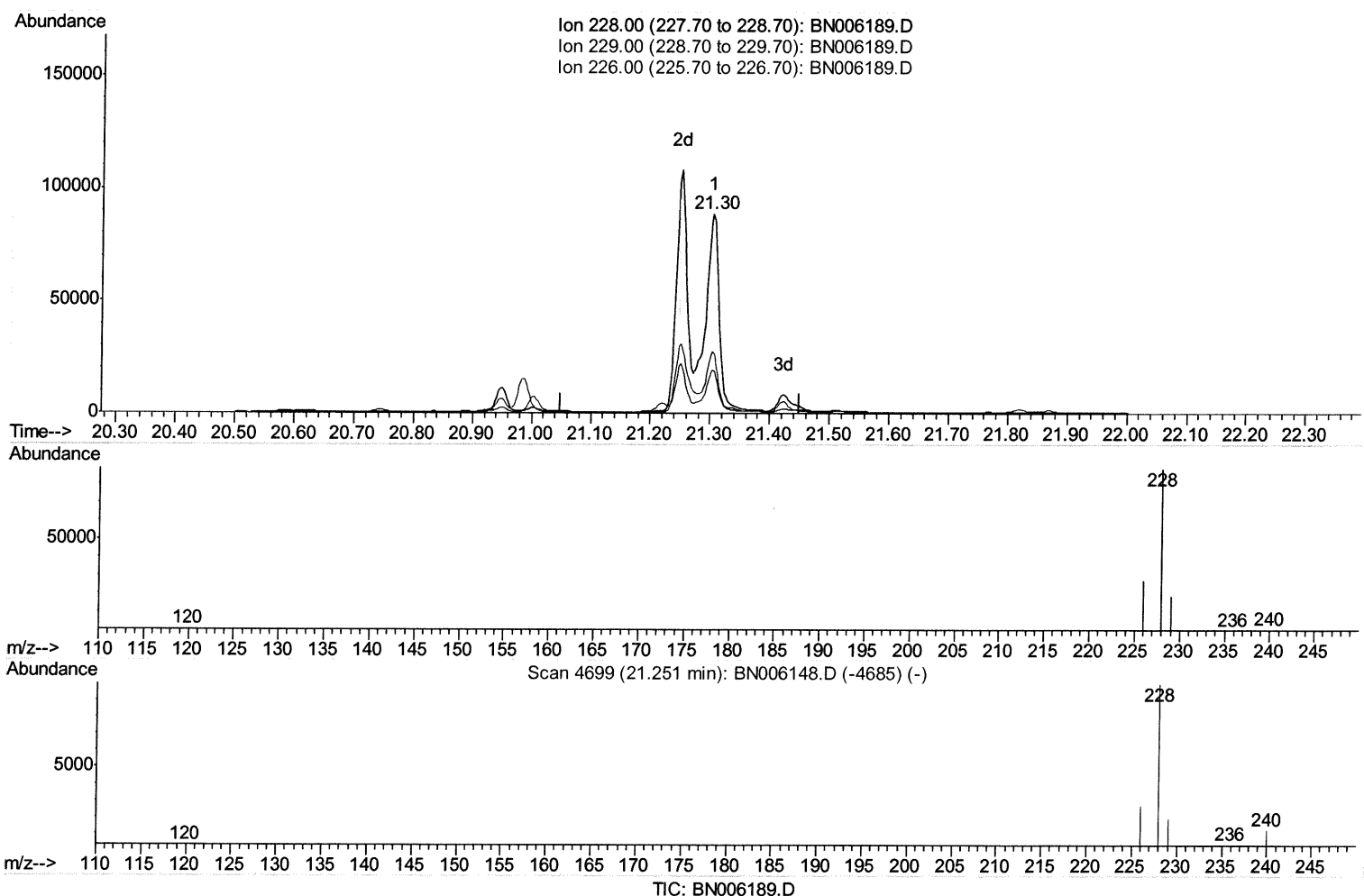
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\  
Data File : BN006189.D  
Acq On : 08 Jun 2019 13:55  
Operator : JU/SJ  
Sample : K3016-15  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A51D2

Manual Integrations  
APPROVED

mohammad  
6/11/2019 4:30:29 PM

Quant Time: Jun 08 15:35:32 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 : Fri Jun 07 01:31:14 2019  
Response via : Initial Calibration



(18) Benzo(a)anthracene

21.303min (+0.053) 2.14ng/ul

response 137300

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 229.00 | 20.60 | 21.73 |
| 226.00 | 28.50 | 30.82 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

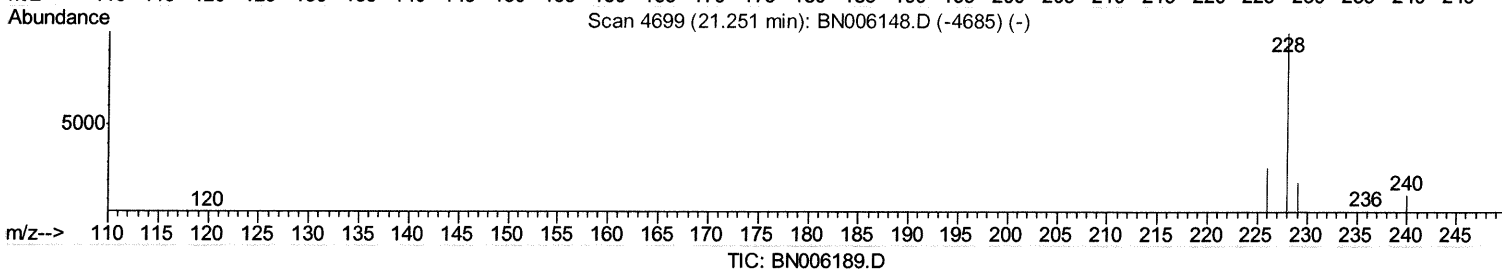
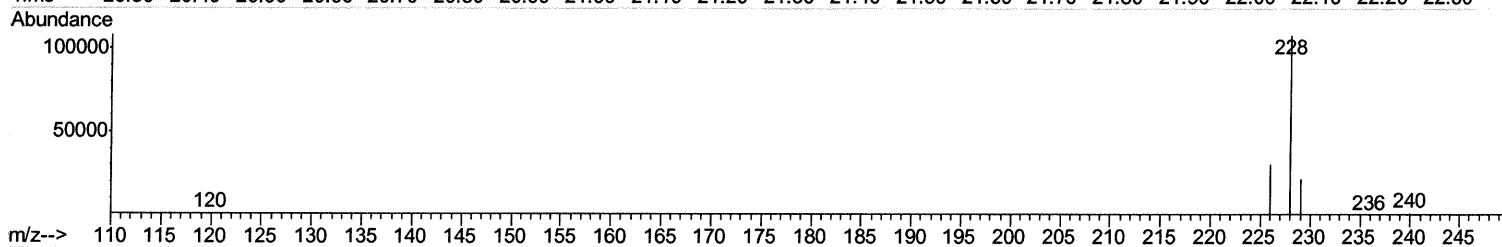
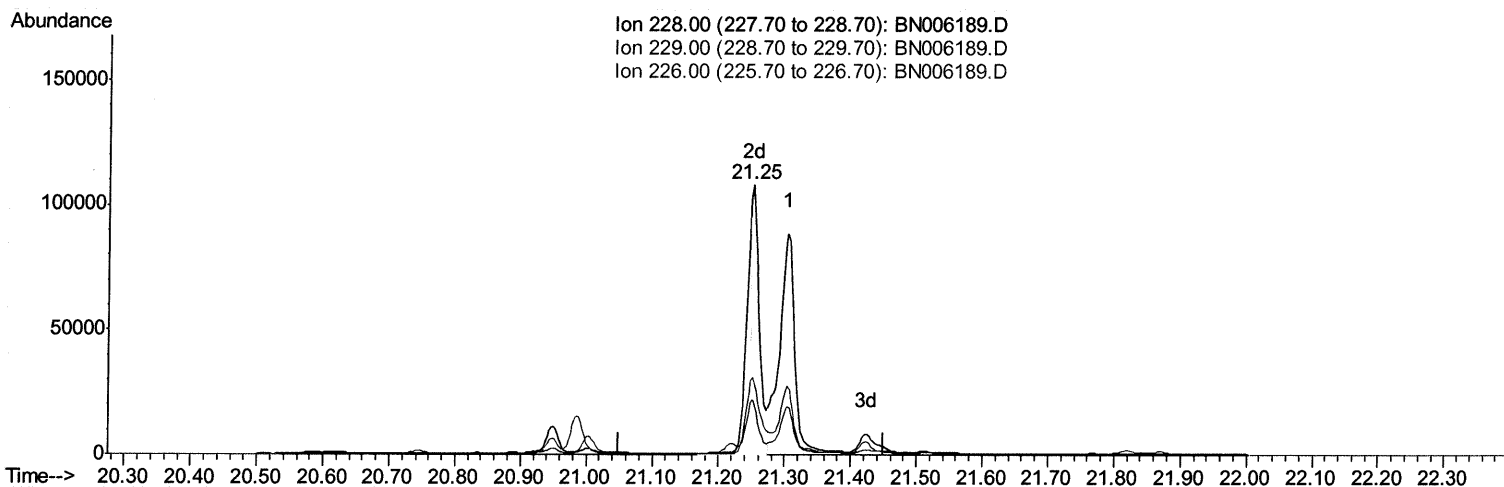
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\  
 Data File : BN006189.D  
 Acq On : 08 Jun 2019 13:55  
 Operator : JU/SJ  
 Sample : K3016-15  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A51D2

Manual Integrations  
 APPROVED

mohammad  
 6/11/2019 4:30:29 PM

Quant Time: Jun 08 15:35:32 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 : Fri Jun 07 01:31:14 2019  
 Response via : Initial Calibration



(18) Benzo(a)anthracene

21.251min (-0.000) 2.18ng/ul m *JU* 06/10/19

response 140056

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 229.00 | 20.60 | 20.47 |
| 226.00 | 28.50 | 28.67 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

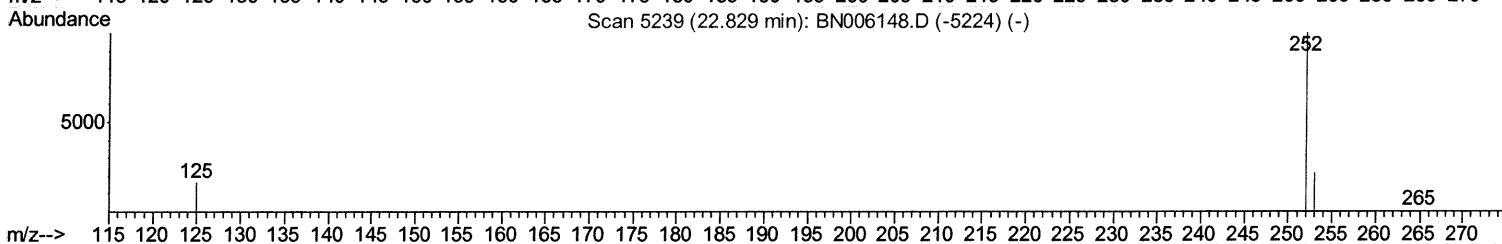
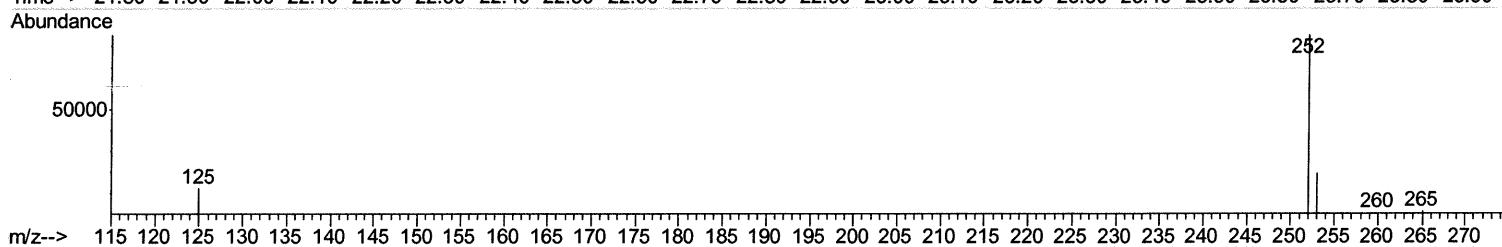
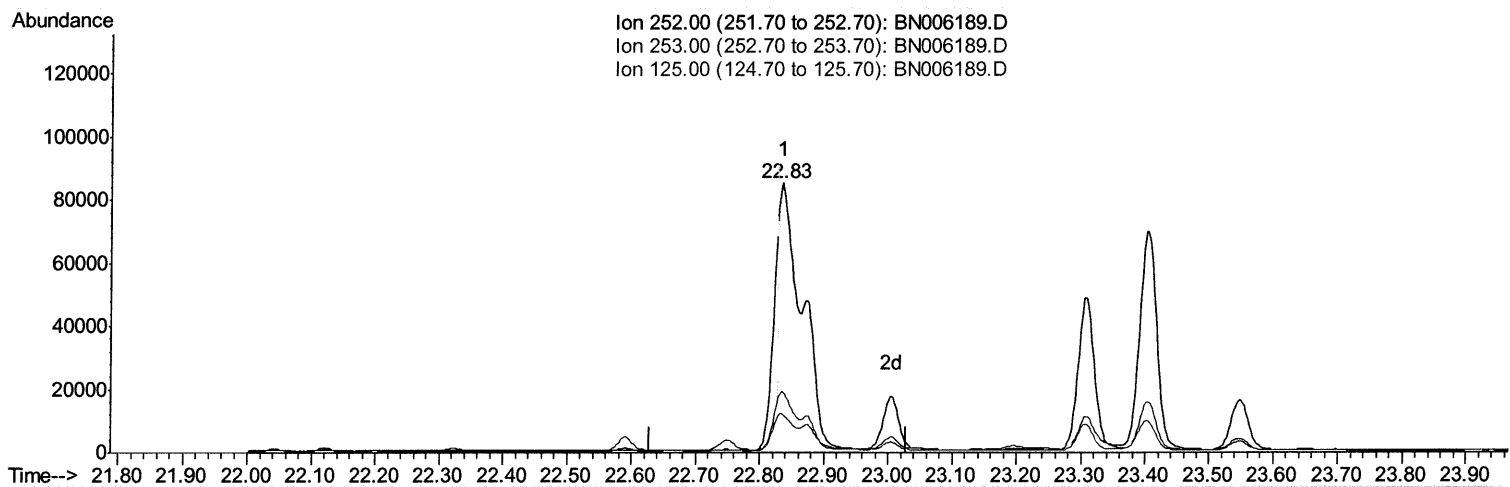
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\  
Data File : BN006189.D  
Acq On : 08 Jun 2019 13:55  
Operator : JU/SJ  
Sample : K3016-15  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A51D2

Manual Integrations  
APPROVED

mohammad  
6/11/2019 4:30:29 PM

Quant Time: Jun 08 15:35:32 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 : Fri Jun 07 01:31:14 2019  
Response via : Initial Calibration



TIC: BN006189.D

(21) Benzo(b)fluoranthene

22.835min (+0.006) 3.58ng/ul

response 255616

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 25.70 | 22.84 |
| 125.00 | 20.50 | 14.42 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

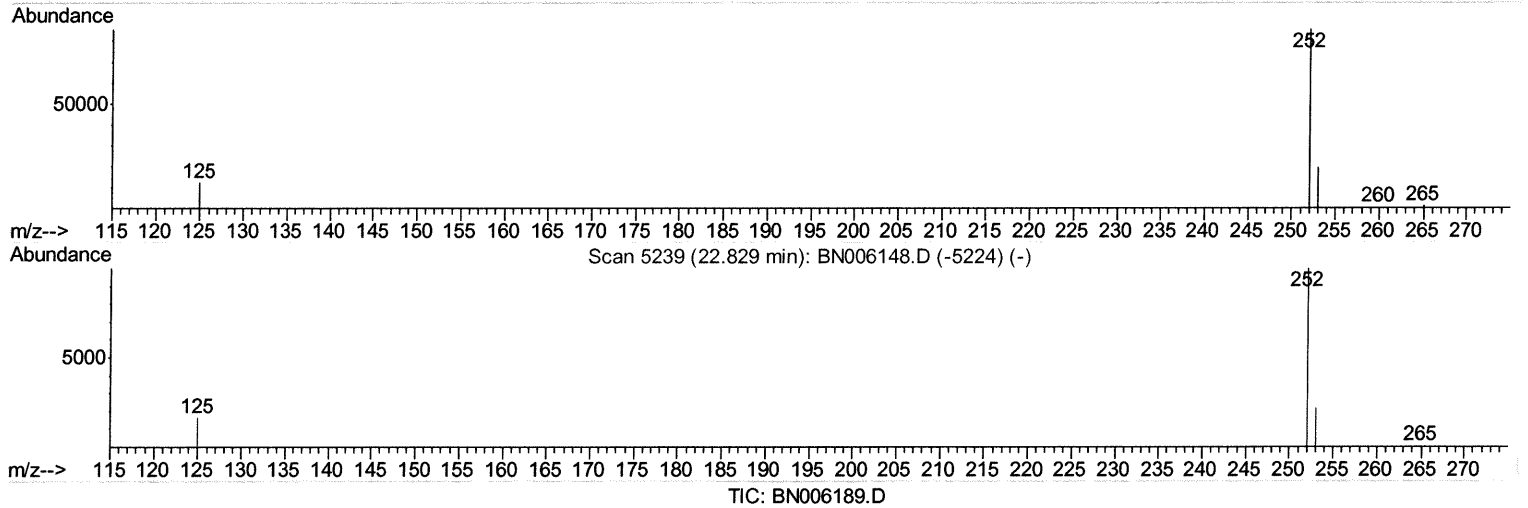
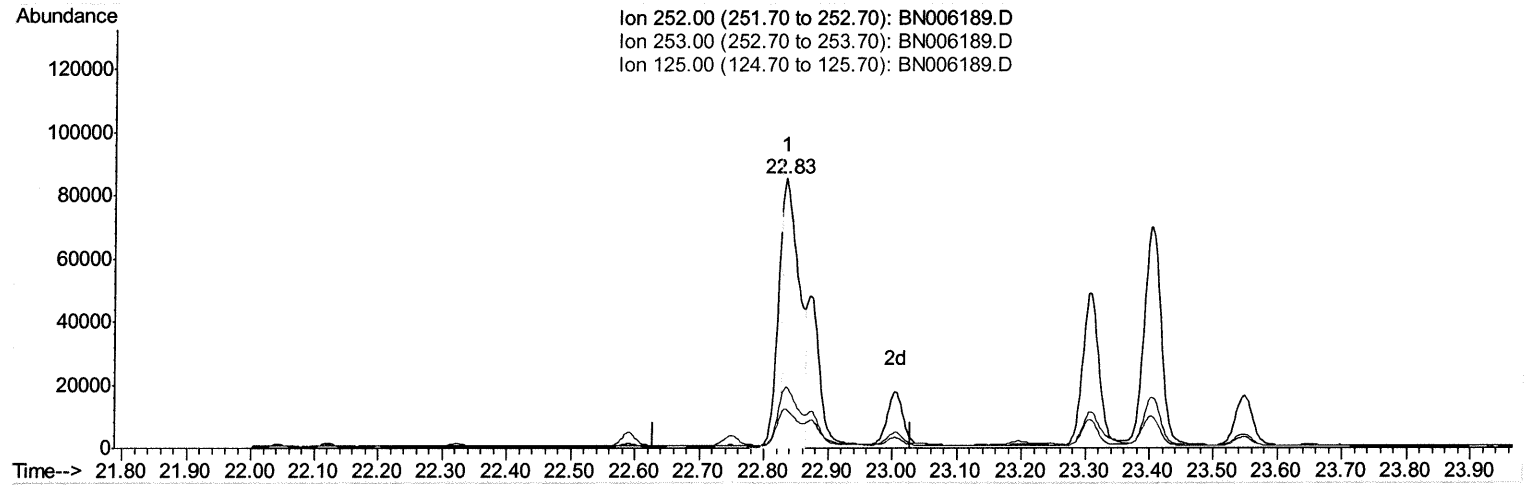
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\  
 Data File : BN006189.D  
 Acq On : 08 Jun 2019 13:55  
 Operator : JU/SJ  
 Sample : K3016-15  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A51D2

Manual Integrations  
 APPROVED

mohammad  
 6/11/2019 4:30:29 PM

Quant Time: Jun 08 15:35:32 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 : Fri Jun 07 01:31:14 2019  
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.835min (+0.006) 2.65ng/ul m *JU 06/10/19*

response 188983

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 25.70 | 22.84 |
| 125.00 | 20.50 | 14.42 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

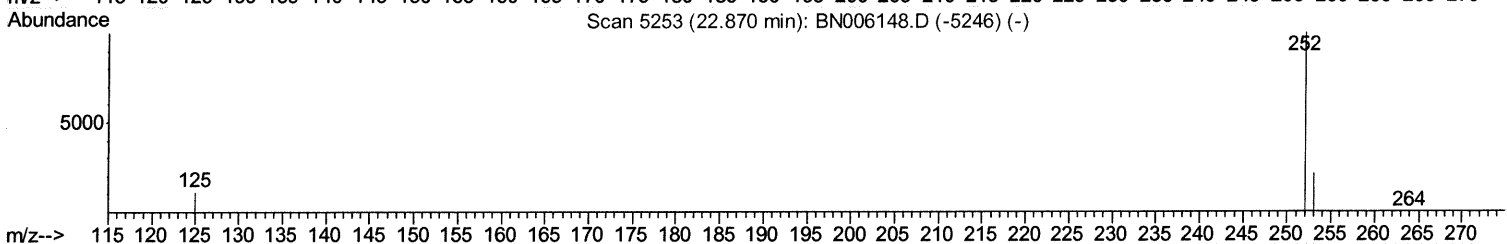
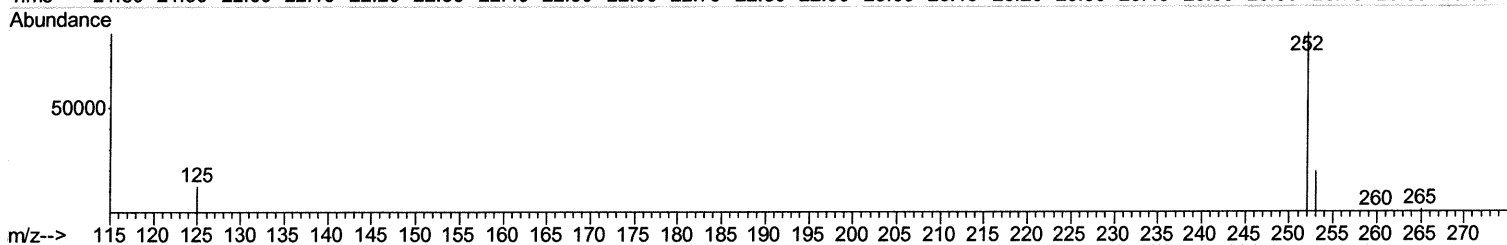
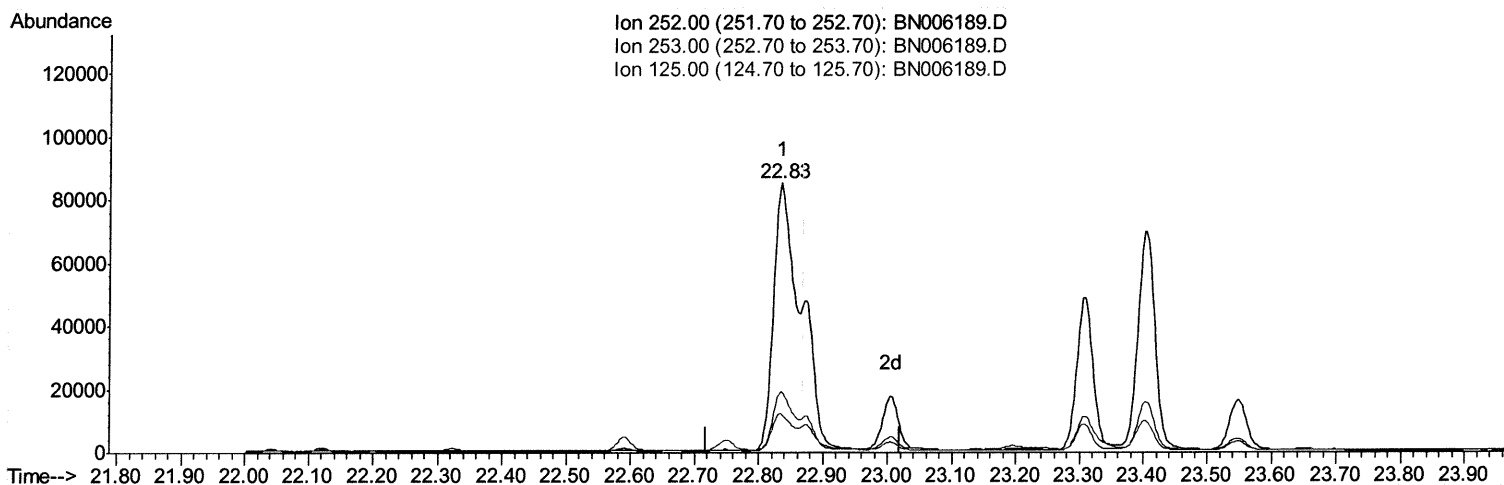
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\  
 Data File : BN006189.D  
 Acq On : 08 Jun 2019 13:55  
 Operator : JU/SJ  
 Sample : K3016-15  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A51D2

Manual Integrations  
 APPROVED

mohammad  
 6/11/2019 4:30:29 PM

Quant Time: Jun 08 15:35:32 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 : Fri Jun 07 01:31:14 2019  
 Response via : Initial Calibration



TIC: BN006189.D

(22) Benzo(k)fluoranthene

22.835min (-0.035) 3.67ng/ul

response 255616

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 25.40 | 22.84 |
| 125.00 | 17.90 | 14.42 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

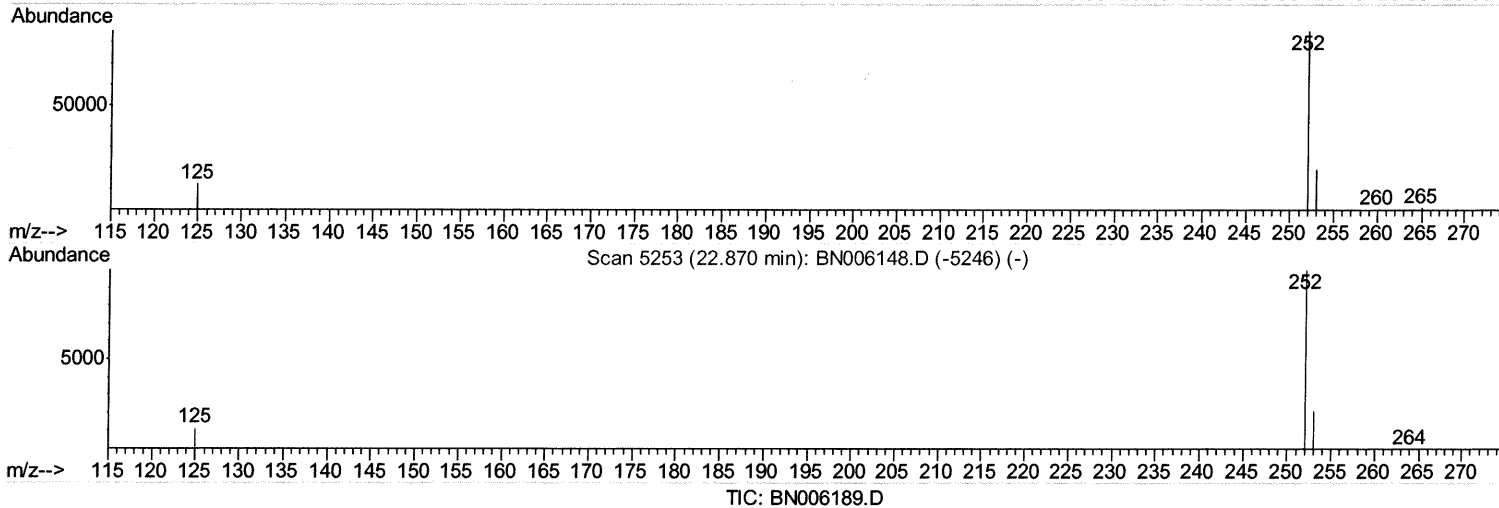
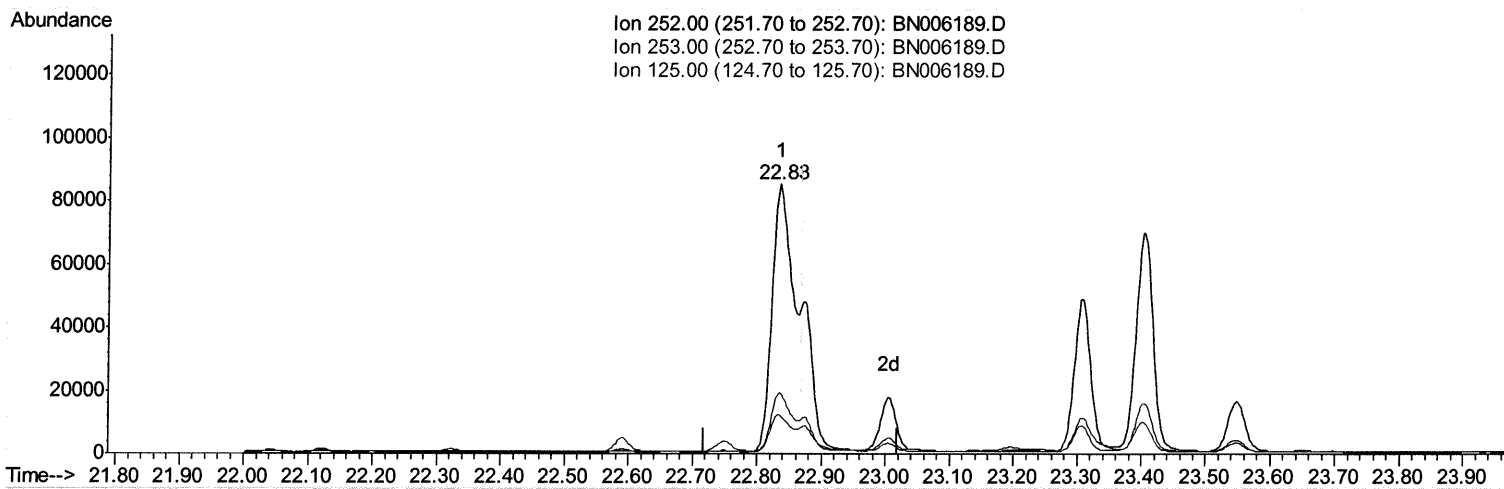
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\  
 Data File : BN006189.D  
 Acq On : 08 Jun 2019 13:55  
 Operator : JU/SJ  
 Sample : K3016-15  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A51D2

Manual Integrations  
 APPROVED

mohammad  
 6/11/2019 4:30:29 PM

Quant Time: Jun 08 15:35:32 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 : Fri Jun 07 01:31:14 2019  
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene  
 22.835min (-0.035) 3.67ng/ul  
 response 255616

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 25.40 | 22.84 |
| 125.00 | 17.90 | 14.42 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

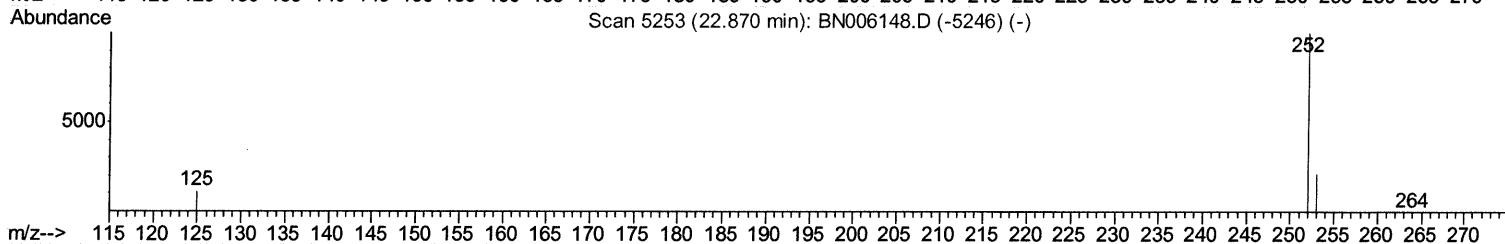
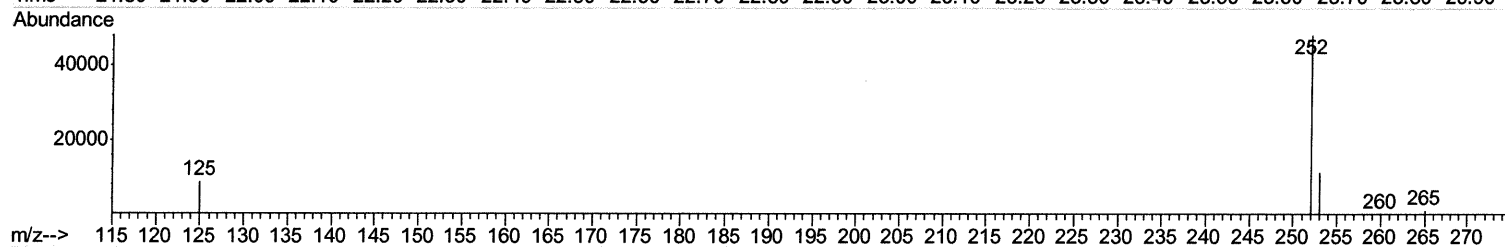
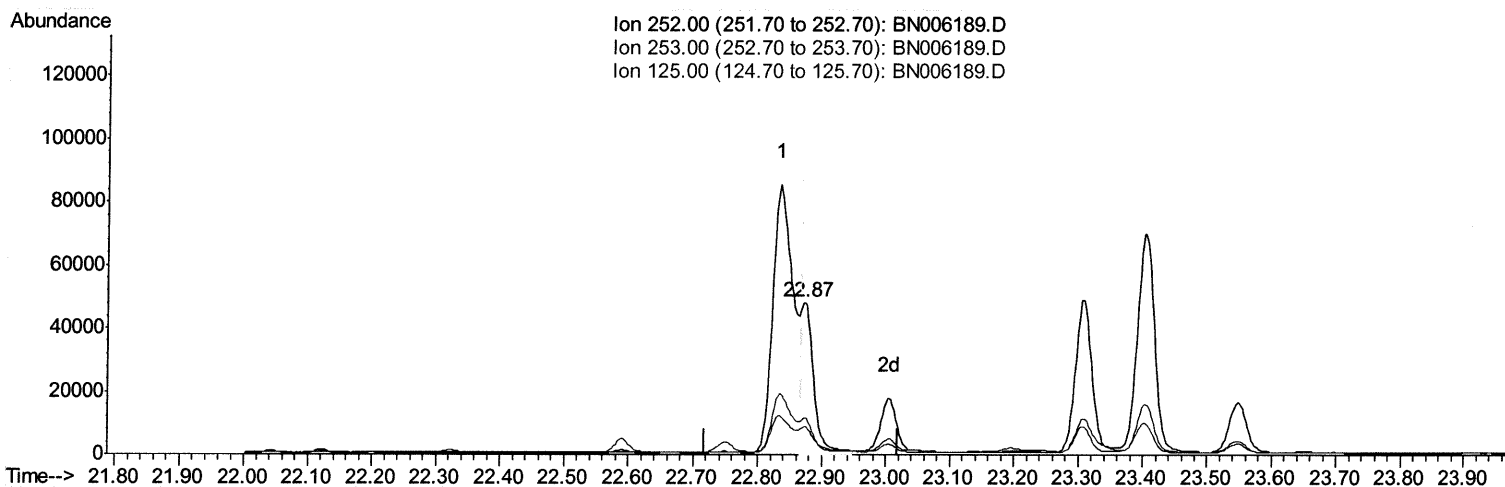
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\  
 Data File : BN006189.D  
 Acq On : 08 Jun 2019 13:55  
 Operator : JU/SJ  
 Sample : K3016-15  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A51D2

Manual Integrations  
 APPROVED

mohammad  
 6/11/2019 4:30:29 PM

Quant Time: Jun 08 15:35:32 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 : Fri Jun 07 01:31:14 2019  
 Response via : Initial Calibration



TIC: BN006189.D

(22) Benzo(k)fluoranthene

22.873min (+0.003) 1.02ng/ul m<sup>3</sup> *JU* 06/10/19

response 71209

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 25.40 | 23.92 |
| 125.00 | 17.90 | 18.17 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\  
 Data File : BN006189.D  
 Acq On : 08 Jun 2019 13:55  
 Operator : JU/SJ  
 Sample : K3016-15  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A51D2

Manual Integrations  
 APPROVED

mohammad  
 6/11/2019 4:30:29 PM

Quant Time: Jun 08 15:38:17 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 : Fri Jun 07 01:31:14 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.65  | 152  | 4310     | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.43 | 136  | 16272    | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.30 | 164  | 8409     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.05 | 188  | 17249m>  | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 21.27 | 240  | 14540m>  | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.50 | 264  | 17129    | 0.40 | ng/ul | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 12.02 | 152  | 4630     | 0.19 | ng/ul | 0.00     |
| 14) Fluoranthene-d10        | 19.09 | 212  | 10416m>  | 0.22 | ng/ul | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 3) Naphthalene             | 10.47 | 128  | 4452     | 0.099 | ng/ul# | 94     |
| 5) 2-Methylnaphthalene     | 12.10 | 142  | 1291     | 0.041 | ng/ul  | 99     |
| 7) Acenaphthylene          | 14.01 | 152  | 21146    | 0.452 | ng/ul  | 99     |
| 8) Acenaphthene            | 14.36 | 153  | 3350     | 0.103 | ng/ul  | 97     |
| 9) Fluorene                | 15.35 | 166  | 5897     | 0.155 | ng/ul  | 96     |
| 12) Phenanthrene           | 17.09 | 178  | 114400m> | 2.066 | ng/ul  |        |
| 13) Anthracene             | 17.18 | 178  | 36727m>  | 0.695 | ng/ul  |        |
| 15) Fluoranthene           | 19.12 | 202  | 286752m> | 4.690 | ng/ul  |        |
| 17) Pyrene                 | 19.49 | 202  | 248555   | 3.245 | ng/ul  | 97     |
| 18) Benzo(a)anthracene     | 21.25 | 228  | 140056m> | 2.178 | ng/ul  |        |
| 19) Chrysene               | 21.30 | 228  | 133822   | 2.217 | ng/ul  | 98     |
| 21) Benzo(b)fluoranthene   | 22.83 | 252  | 188983m> | 2.646 | ng/ul  |        |
| 22) Benzo(k)fluoranthene   | 22.87 | 252  | 71209m>  | 1.024 | ng/ul  |        |
| 23) Benzo(a)pyrene         | 23.40 | 252  | 128180   | 1.927 | ng/ul# | 86     |
| 24) Indeno(1,2,3-cd)pyrene | 25.73 | 276  | 90566    | 1.258 | ng/ul# | 87     |
| 25) Dibenzo(a,h)anthracene | 25.74 | 278  | 21854    | 0.380 | ng/ul  | 98     |
| 26) Benzo(a,h,i)perylene   | 26.42 | 276  | 75964    | 1.260 | ng/ul  | 95     |

Ju 06/10/19

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