

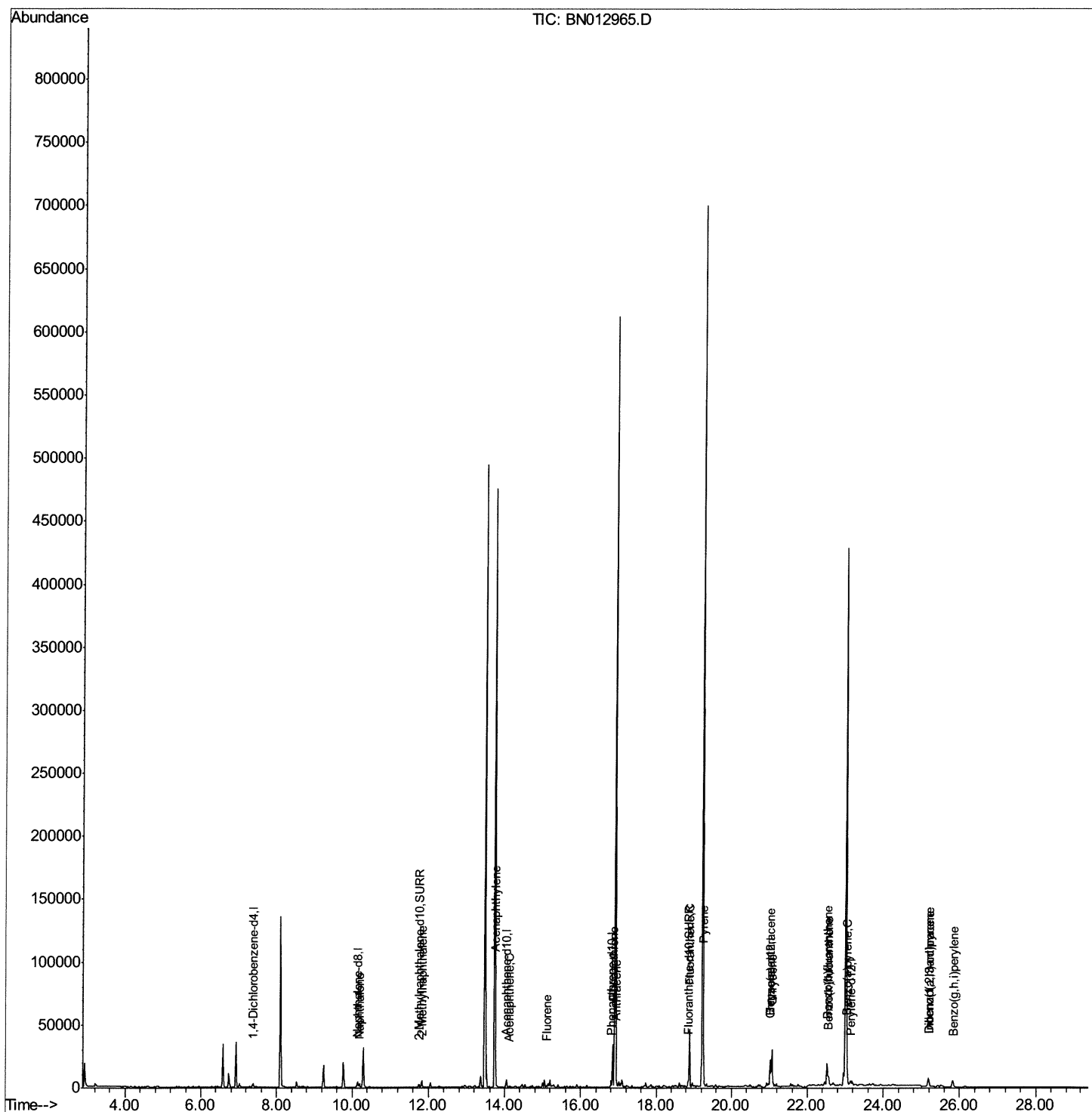
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN120720\  
Data File : BN012965.D  
Acq On : 08 Dec 2020 07:20  
Operator : CG/JU  
Sample : L4862-06  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0B59

Manual Integrations  
APPROVED

mohammad  
12/9/2020 12:23:28 PM

Quant Time: Dec 08 11:51:02 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 07 12:24:06 2020  
Response via : Initial Calibration



# Quantitation Report (Qedit)

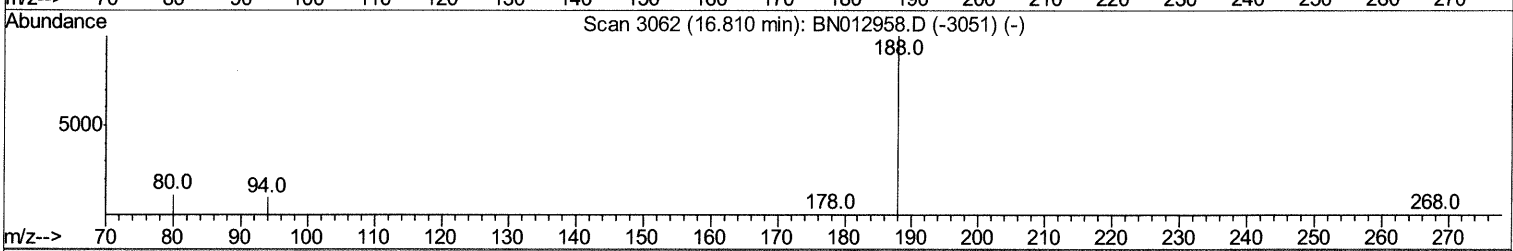
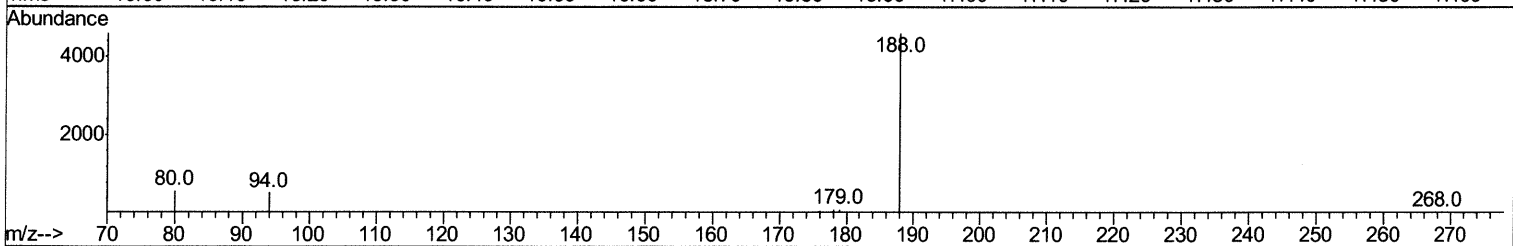
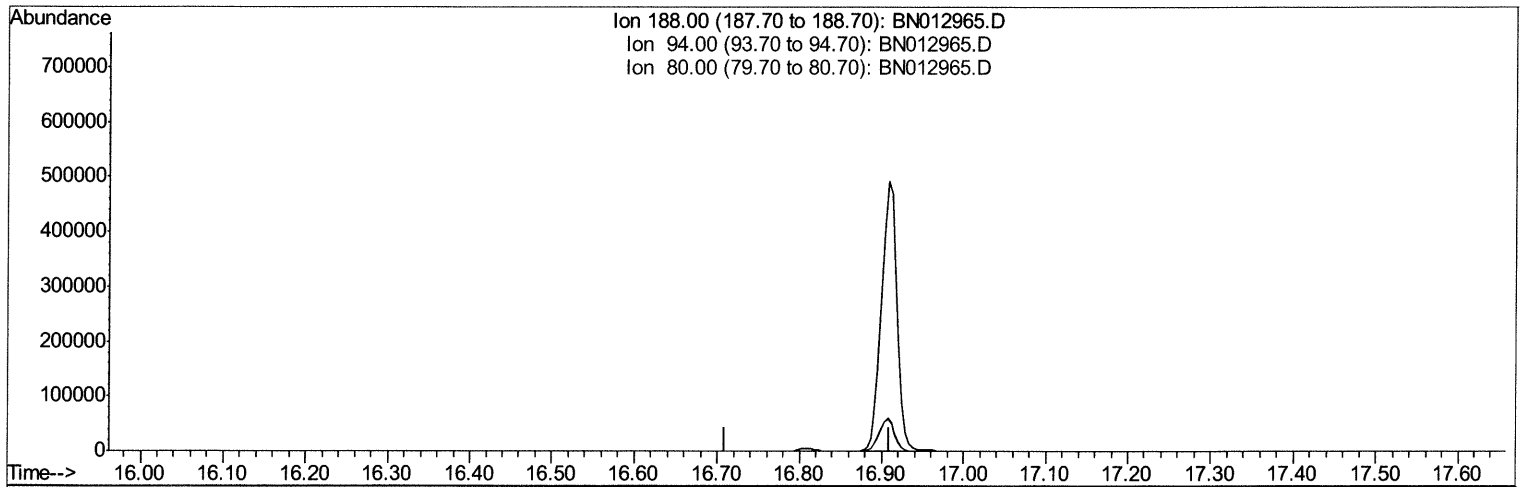
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN120720\  
 Data File : BN012965.D  
 Acq On : 08 Dec 2020 07:20  
 Operator : CG/JU  
 Sample : L4862-06  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

**Instrument :**  
 BNA\_N  
**ClientSampleId :**  
 C0B59

**Manual Integrations**  
**APPROVED**

mohammad  
 12/9/2020 12:23:28 PM

Quant Time: Dec 08 11:49:10 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 07 12:24:06 2020  
 Response via : Initial Calibration



TIC: BN012965.D

(10) Phenanthrene-d10 (I)

16.810min (-16.810) 0.00ng/ul

response 0

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 0.00  |
| 94.00  | 11.40 | 0.00# |
| 80.00  | 12.40 | 0.00# |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

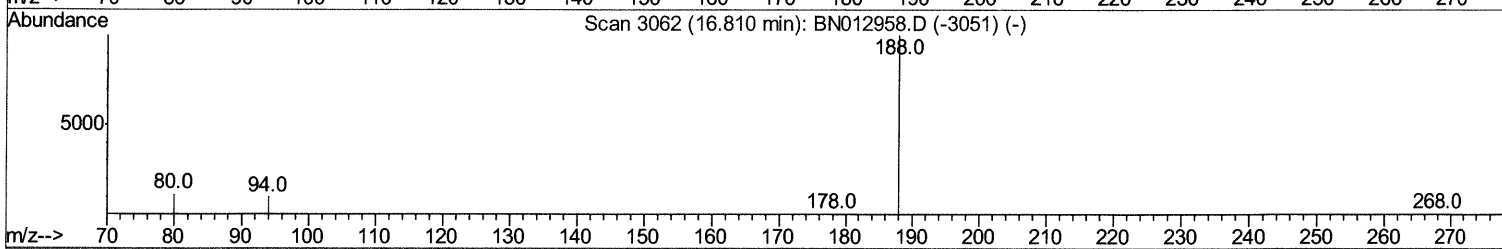
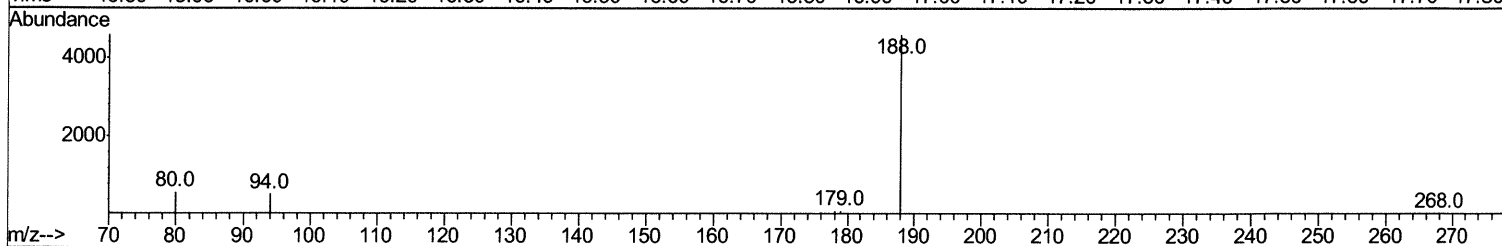
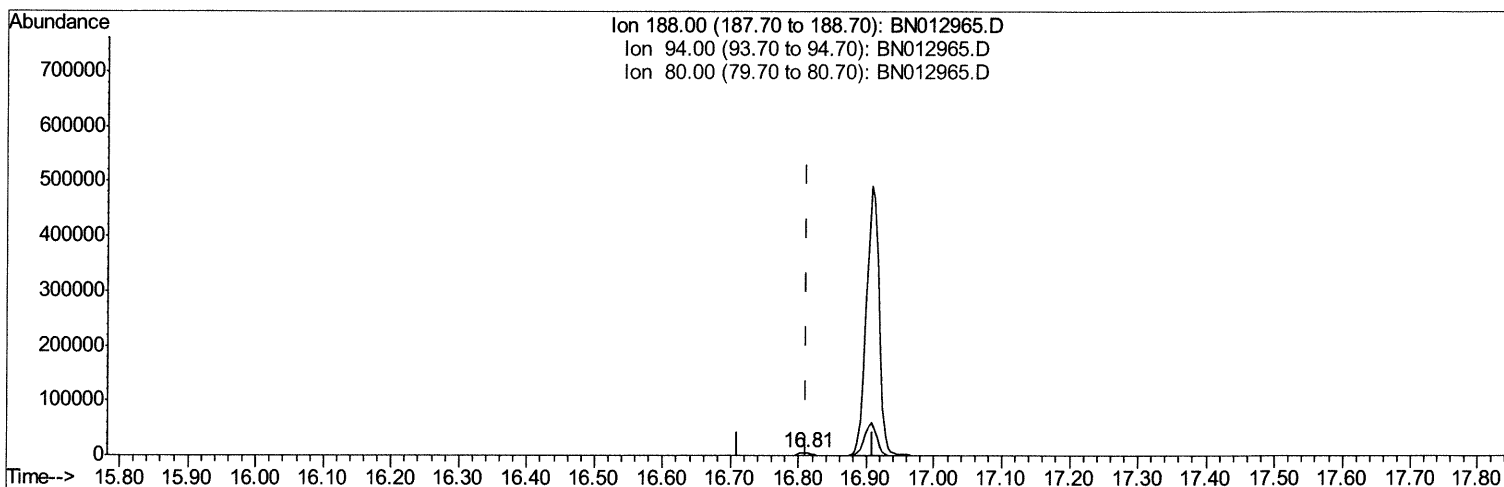
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN120720\  
Data File : BN012965.D  
Acq On : 08 Dec 2020 07:20  
Operator : CG/JU  
Sample : L4862-06  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0B59

Manual Integrations  
APPROVED

mohammad  
12/9/2020 12:23:28 PM

Quant Time: Dec 08 11:49:10 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 07 12:24:06 2020  
Response via : Initial Calibration



TIC: BN012965.D

(10) Phenanthrene-d10 (I)

16.810min (-0.000) 0.40ng/ul m 12/09/2020

response 6351

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 11.40 | 11.76 |
| 80.00  | 12.40 | 12.59 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

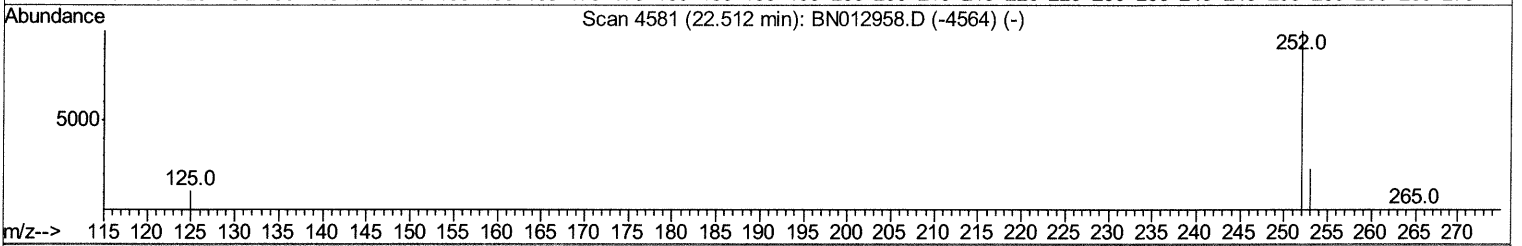
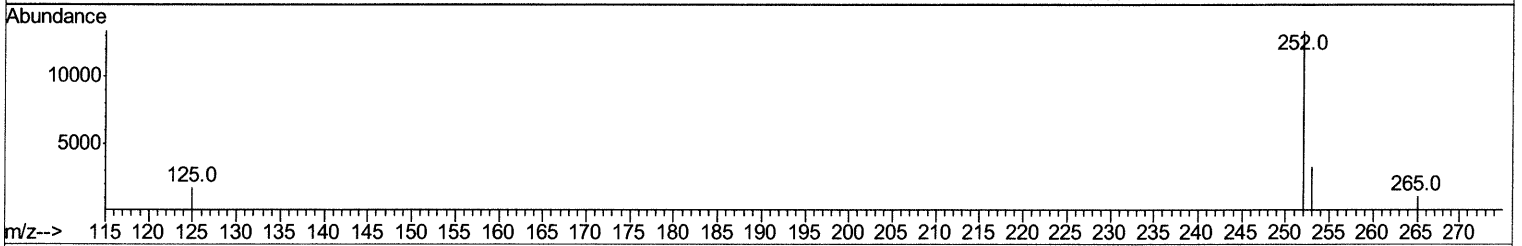
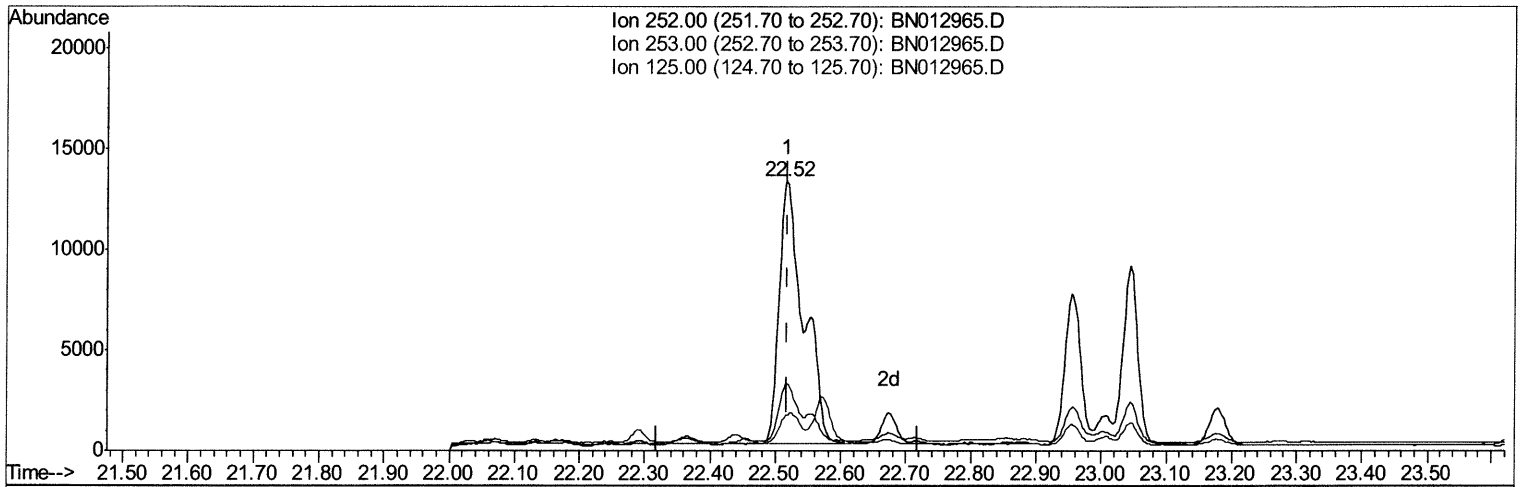
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN120720\  
 Data File : BN012965.D  
 Acq On : 08 Dec 2020 07:20  
 Operator : CG/JU  
 Sample : L4862-06  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

**Instrument :**  
 BNA\_N  
**ClientSampleId :**  
 C0B59

**Manual Integrations**  
**APPROVED**

mohammad  
 12/9/2020 12:23:28 PM

Quant Time: Dec 08 11:49:39 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 07 12:24:06 2020  
 Response via : Initial Calibration



TIC: BN012965.D

(21) Benzo(b)fluoranthene  
 22.516min (-0.003) 1.82ng/ul  
 response 33957

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 29.80 | 24.84 |
| 125.00 | 13.00 | 12.98 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

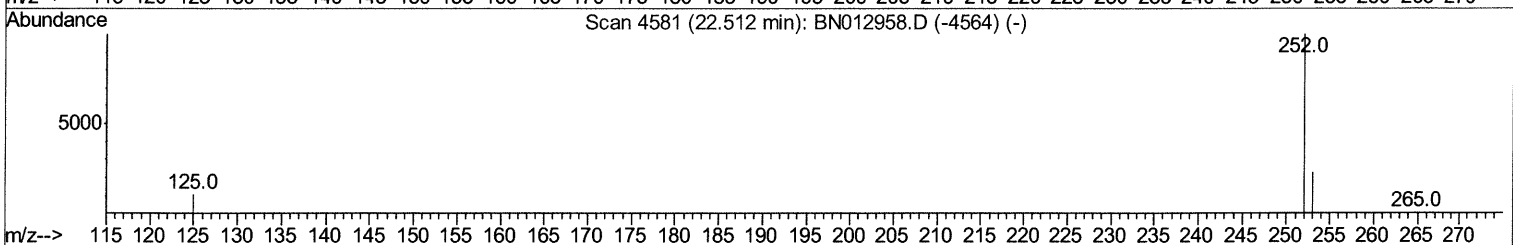
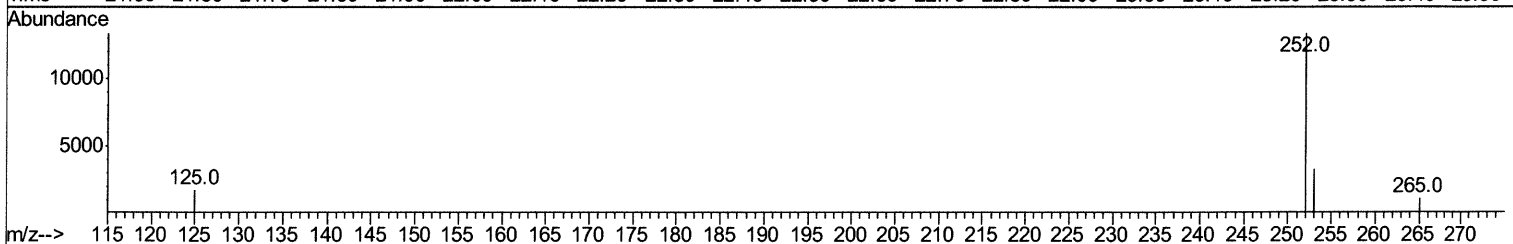
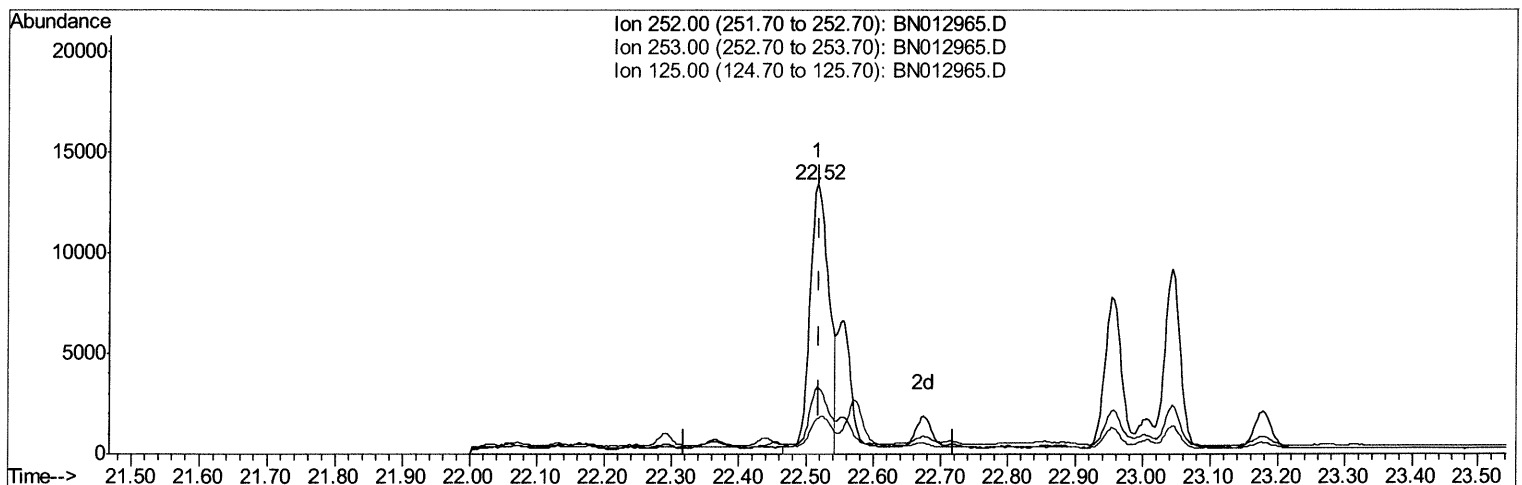
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN120720\  
 Data File : BN012965.D  
 Acq On : 08 Dec 2020 07:20  
 Operator : CG/JU  
 Sample : L4862-06  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0B59

Manual Integrations  
 APPROVED

mohammad  
 12/9/2020 12:23:28 PM

Quant Time: Dec 08 11:49:39 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 07 12:24:06 2020  
 Response via : Initial Calibration



TIC: BN012965.D

(21) Benzo(b)fluoranthene

22.516min (-0.003) 1.44ng/ul m 12/09/2020

response 26898

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 29.80 | 24.84 |
| 125.00 | 13.00 | 12.98 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

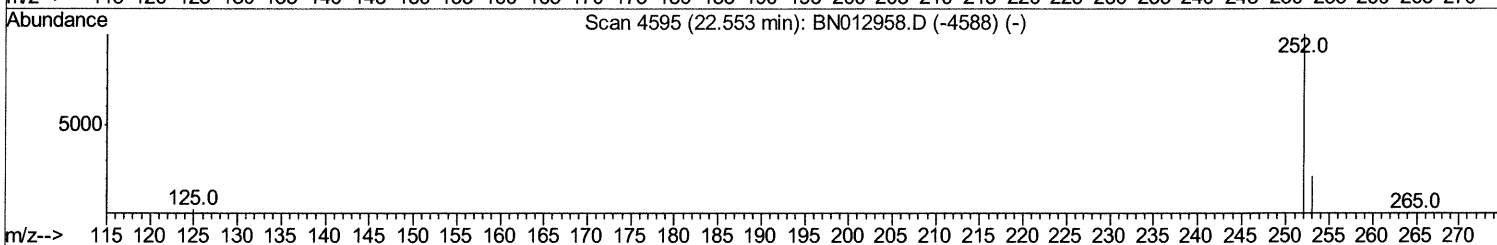
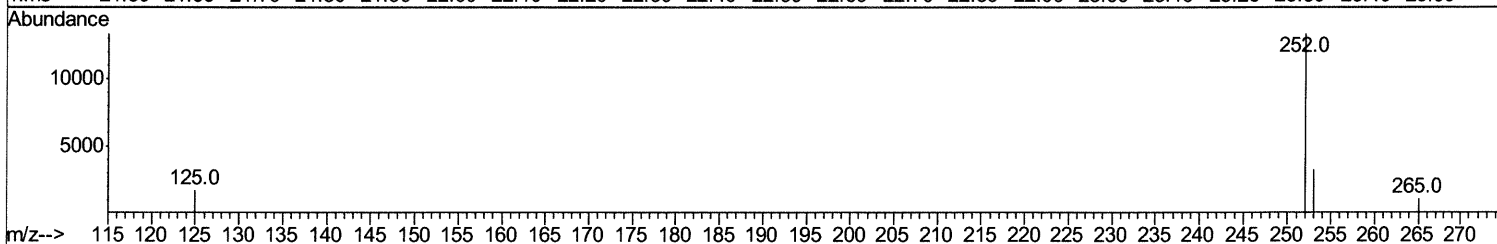
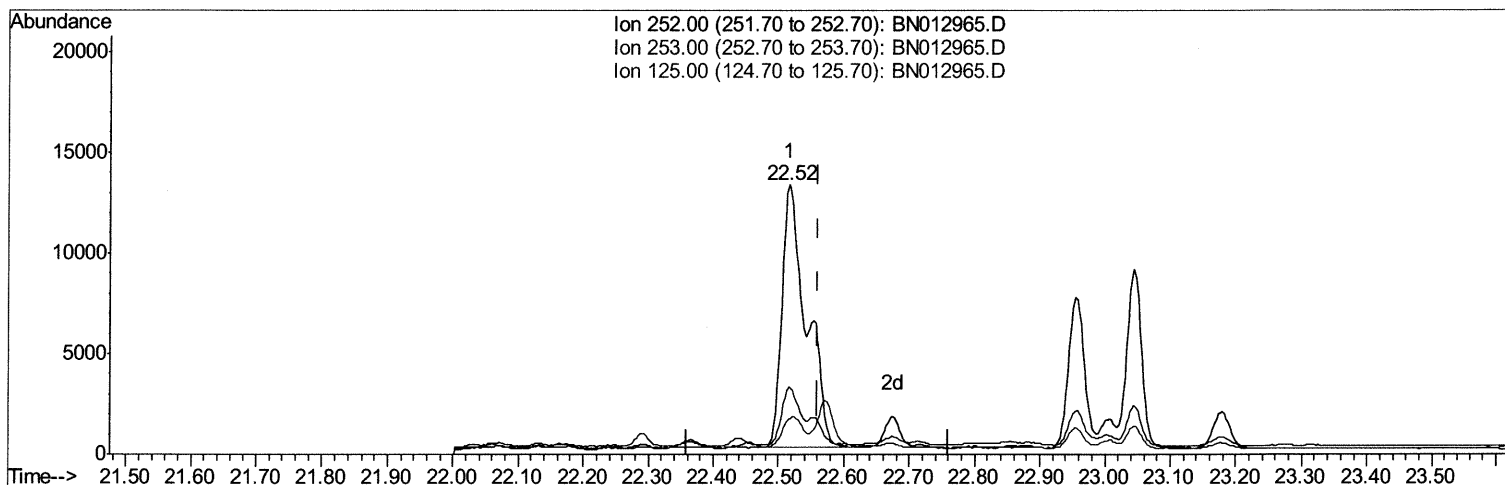
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN120720\  
 Data File : BN012965.D  
 Acq On : 08 Dec 2020 07:20  
 Operator : CG/JU  
 Sample : L4862-06  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0B59

Manual Integrations  
 APPROVED

mohammad  
 12/9/2020 12:23:28 PM

Quant Time: Dec 08 11:49:39 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 07 12:24:06 2020  
 Response via : Initial Calibration



TIC: BN012965.D

(22) Benzo(k)fluoranthene  
 22.516min (-0.044) 1.65ng/ul  
 response 34023  

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 29.30 | 24.84 |
| 125.00 | 13.90 | 12.98 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

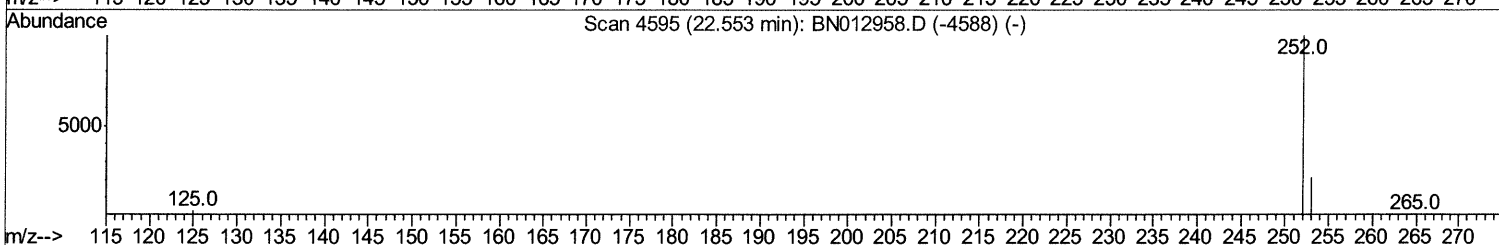
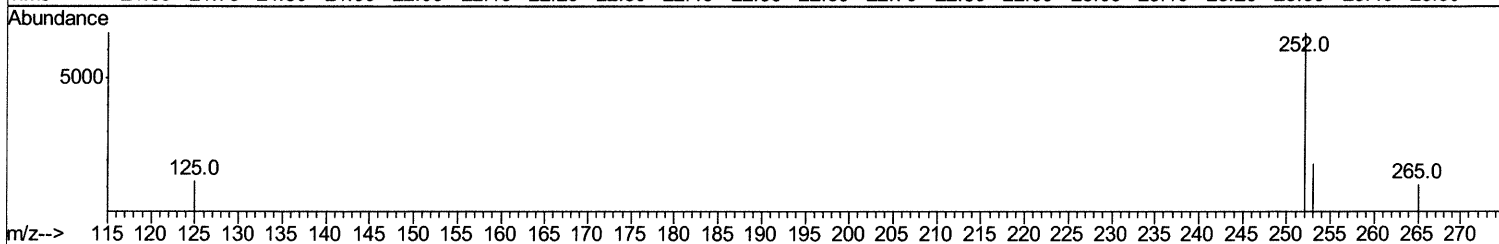
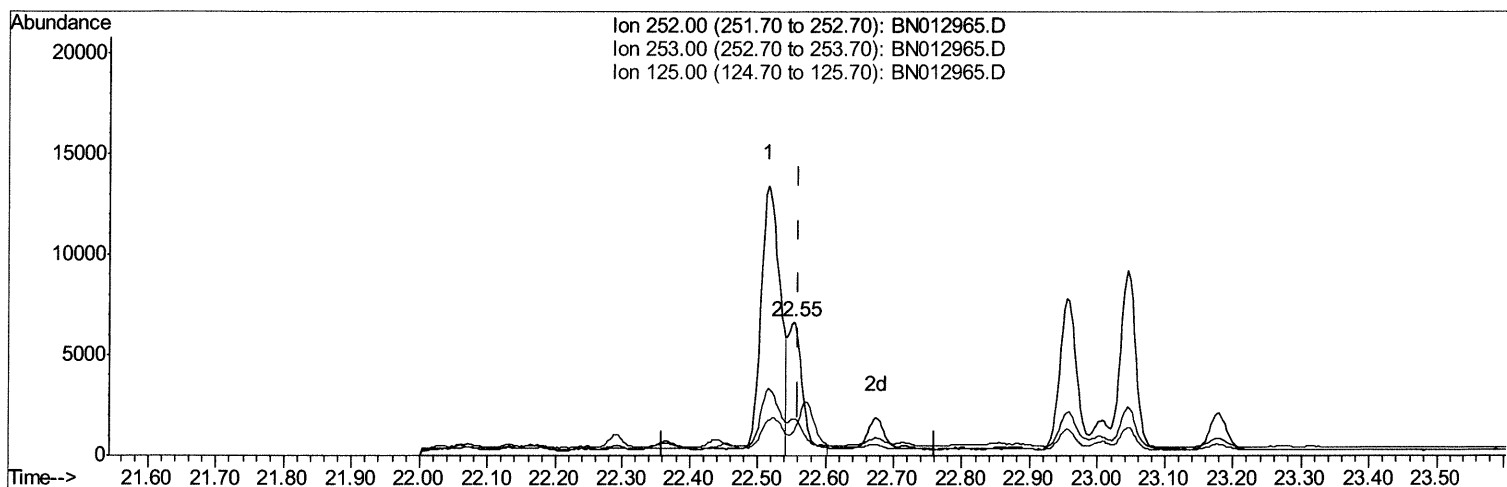
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN120720\  
Data File : BN012965.D  
Acq On : 08 Dec 2020 07:20  
Operator : CG/JU  
Sample : L4862-06  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0B59

Manual Integrations  
APPROVED

mohammad  
12/9/2020 12:23:28 PM

Quant Time: Dec 08 11:49:39 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 07 12:24:06 2020  
Response via : Initial Calibration



TIC: BN012965.D

(22) Benzo(k)fluoranthene

22.554min (-0.006) 0.49ng/ul m 12/09/2020

response 10121

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 29.30 | 27.57  |
| 125.00 | 13.90 | 18.51# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

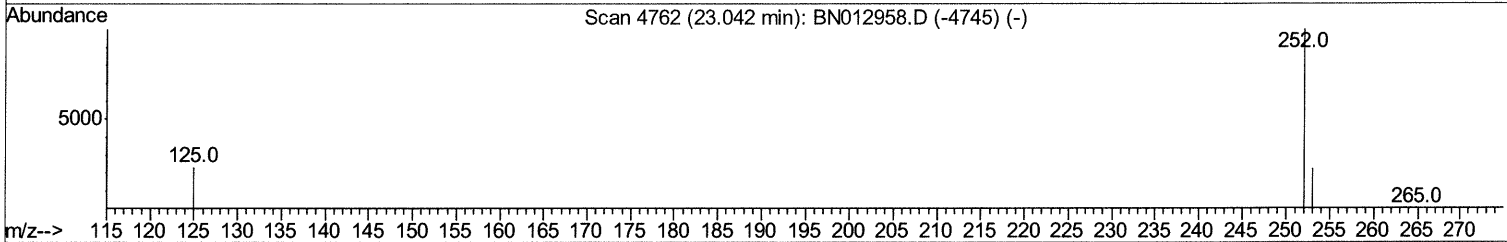
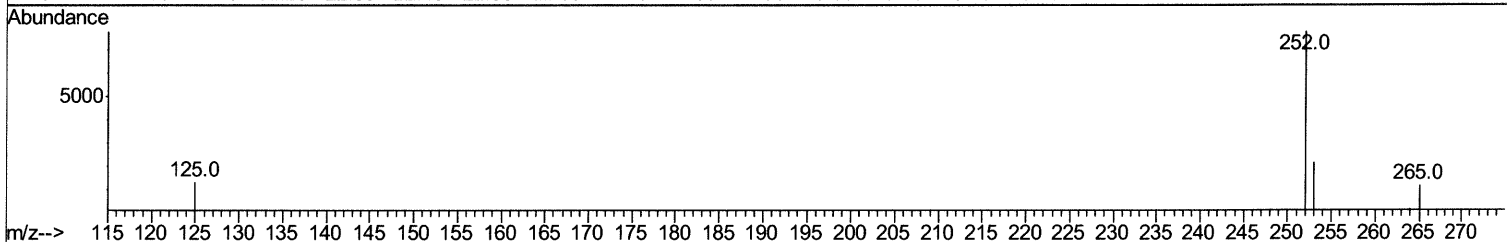
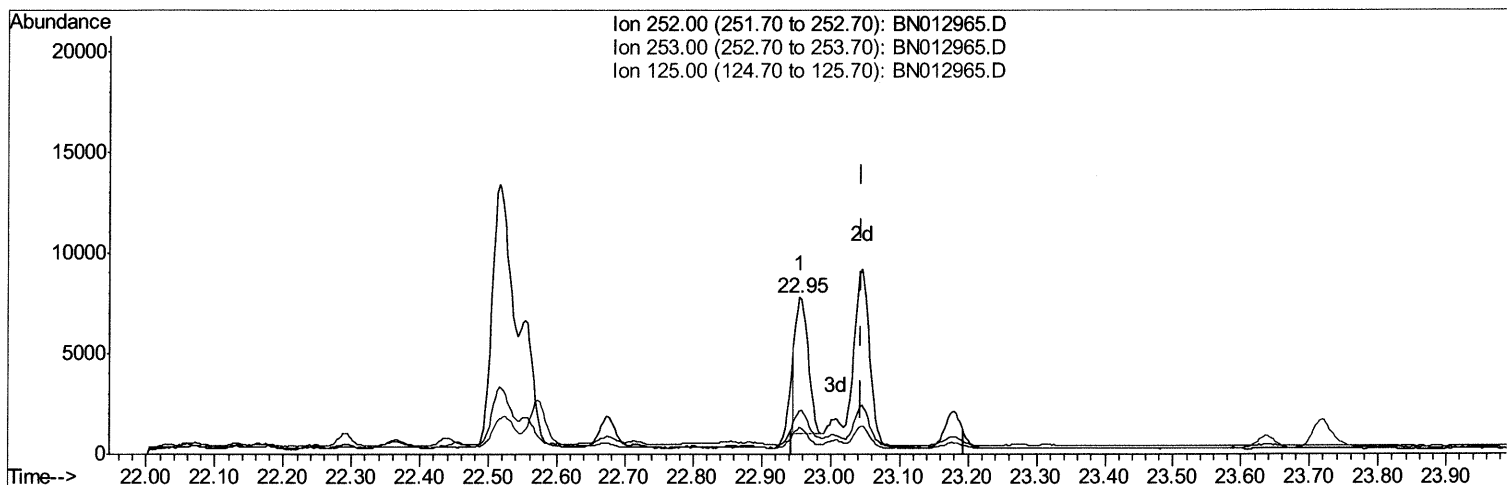
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN120720\  
 Data File : BN012965.D  
 Acq On : 08 Dec 2020 07:20  
 Operator : CG/JU  
 Sample : L4862-06  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0B59

Manual Integrations  
 APPROVED

mohammad  
 12/9/2020 12:23:28 PM

Quant Time: Dec 08 11:49:39 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 07 12:24:06 2020  
 Response via : Initial Calibration



TIC: BN012965.D

(23) Benzo(a)pyrene (C)  
 22.954min (-0.091) 0.49ng/ul  
 response 8486  

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 33.10 | 27.67 |
| 125.00 | 17.70 | 16.96 |
| 0.00   | 0.00  | 0.00  |



# Quantitation Report (Qedit)

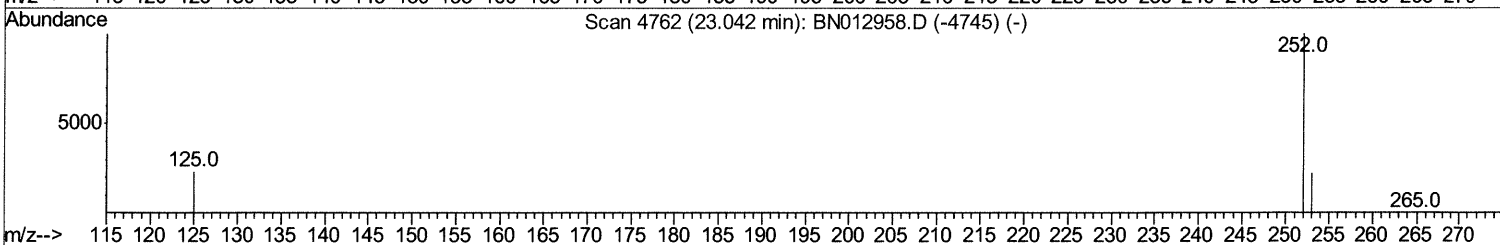
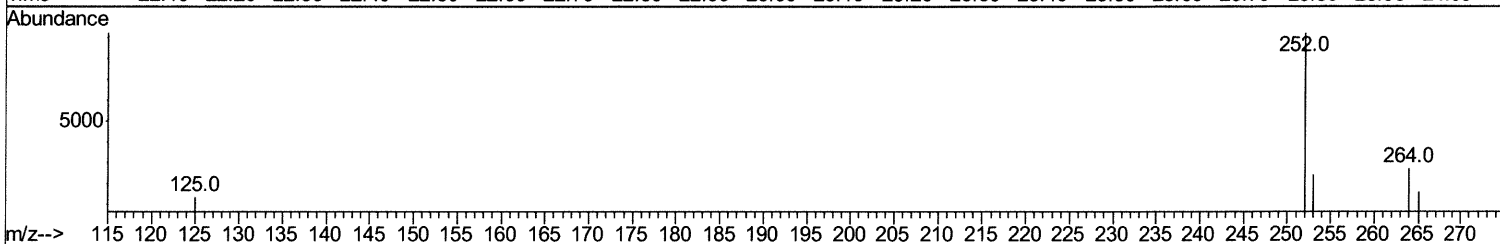
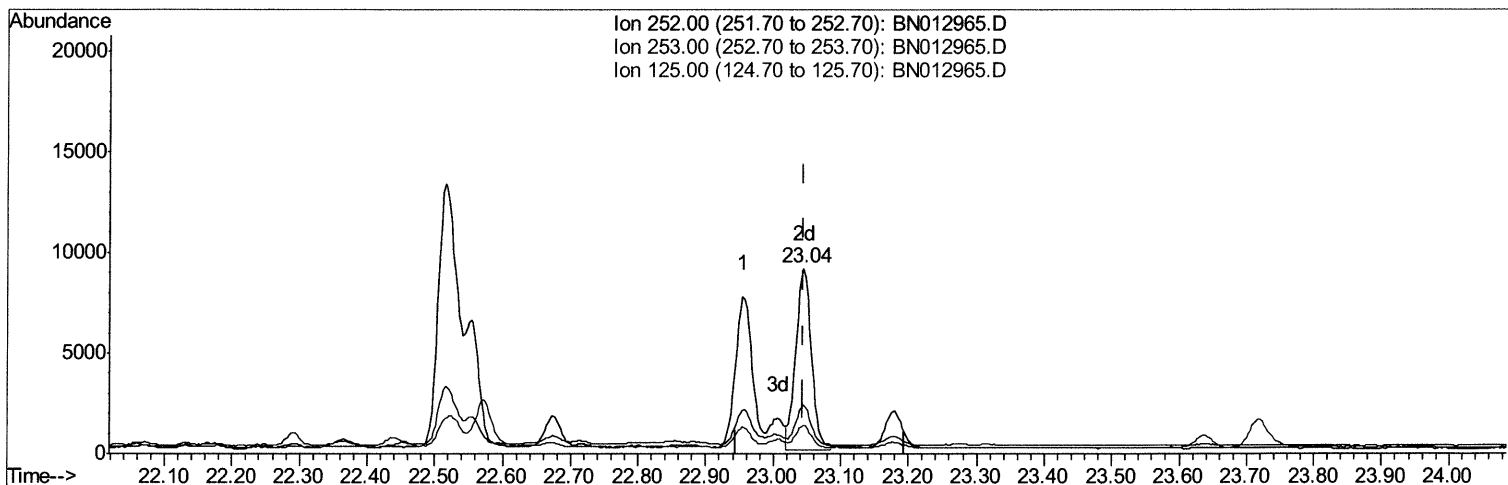
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN120720\  
 Data File : BN012965.D  
 Acq On : 08 Dec 2020 07:20  
 Operator : CG/JU  
 Sample : L4862-06  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0B59

Manual Integrations  
 APPROVED

mohammad  
 12/9/2020 12:23:28 PM

Quant Time: Dec 08 11:49:39 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 07 12:24:06 2020  
 Response via : Initial Calibration



TIC: BN012965.D

(23) Benzo(a)pyrene (C)

23.045min (-0.000) 0.84ng/ul m 12/04/2024

response 14508

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 33.10 | 26.34# |
| 125.00 | 17.70 | 15.11  |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN120720\  
 Data File : BN012965.D  
 Acq On : 08 Dec 2020 07:20  
 Operator : CG/JU  
 Sample : L4862-06  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0B59

Manual Integrations  
 APPROVED

mohammad  
 12/9/2020 12:23:28 PM

Quant Time: Dec 08 11:51:02 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 07 12:24:06 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min)   |
|-----------------------------|-------|------|----------|-------|--------|------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.38  | 152  | 1195     | 0.40  | ng/ul  | 0.00       |
| 2) Naphthalene-d8           | 10.15 | 136  | 4963     | 0.40  | ng/ul  | 0.00       |
| 6) Acenaphthene-d10         | 14.05 | 164  | 2972     | 0.40  | ng/ul  | 0.00       |
| 10) Phenanthrene-d10        | 16.81 | 188  | 6351m    | 0.40  | ng/ul  | 0.00       |
| 16) Chrysene-d12            | 21.03 | 240  | 4880     | 0.40  | ng/ul  | 0.00       |
| 20) Perylene-d12            | 23.13 | 264  | 4024     | 0.40  | ng/ul  | 0.00       |
| System Monitoring Compounds |       |      |          |       |        |            |
| 4) 2-Methylnaphthalene-d10  | 11.75 | 152  | 2981     | 0.40  | ng/ul  | 0.00       |
| 14) Fluoranthene-d10        | 18.85 | 212  | 6512     | 0.38  | ng/ul  | 0.00       |
| Target Compounds            |       |      |          |       |        |            |
|                             |       |      |          |       | Ovalue |            |
| 3) Naphthalene              | 10.20 | 128  | 3455     | 0.241 | ng/ul  | 96         |
| 5) 2-Methylnaphthalene      | 11.82 | 142  | 3840     | 0.407 | ng/ul  | 97         |
| 7) Acenaphthylene           | 13.76 | 152  | 1254     | 0.089 | ng/ul# | 90         |
| 8) Acenaphthene             | 14.11 | 153  | 415      | 0.036 | ng/ul# | 93         |
| 9) Fluorene                 | 15.11 | 166  | 562      | 0.042 | ng/ul# | 71         |
| 12) Phenanthrene            | 16.85 | 178  | 33923    | 1.593 | ng/ul  | 97         |
| 13) Anthracene              | 16.94 | 178  | 2845     | 0.157 | ng/ul  | 97         |
| 15) Fluoranthene            | 18.88 | 202  | 39112    | 1.546 | ng/ul  | 98         |
| 17) Pyrene                  | 19.25 | 202  | 34668    | 1.504 | ng/ul  | 99         |
| 18) Benzo(a)anthracene      | 21.02 | 228  | 16170    | 0.801 | ng/ul# | 94         |
| 19) Chrysene                | 21.07 | 228  | 30090    | 1.349 | ng/ul# | 96         |
| 21) Benzo(b)fluoranthene    | 22.52 | 252  | 26898m   | 1.445 | ng/ul  | 12/09/2020 |
| 22) Benzo(k)fluoranthene    | 22.55 | 252  | 10121m   | 0.492 | ng/ul  |            |
| 23) Benzo(a)pyrene          | 23.04 | 252  | 14508m   | 0.840 | ng/ul  |            |
| 24) Indeno(1,2,3-cd)pyrene  | 25.18 | 276  | 9543     | 0.421 | ng/ul# | 100        |
| 25) Dibenzo(a,h)anthracene  | 25.19 | 278  | 2755     | 0.154 | ng/ul# | 70         |
| 26) Benzo(a,h,i)perylene    | 25.82 | 276  | 9659     | 0.471 | ng/ul  | 97         |

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