

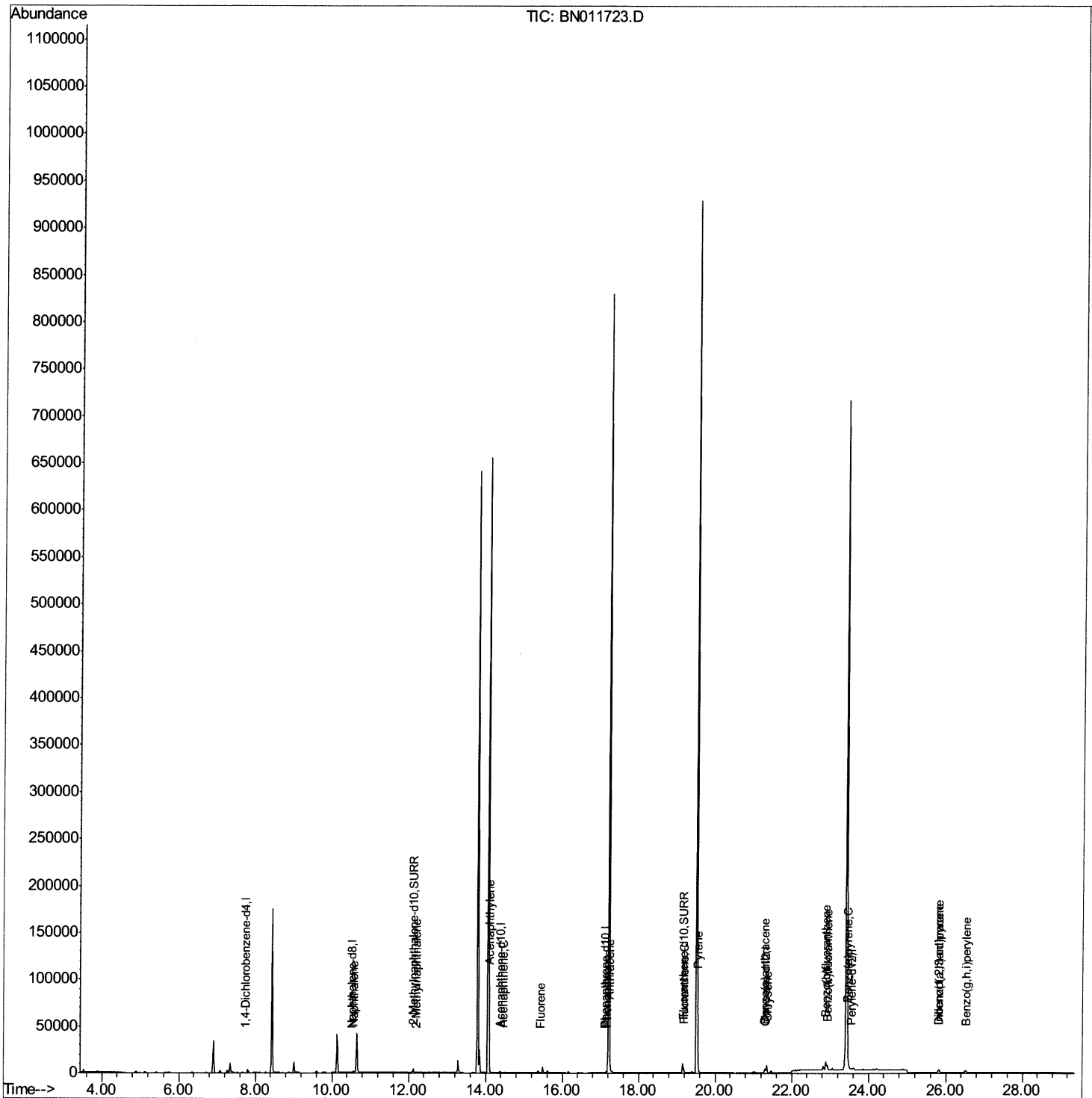
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090420\  
Data File : BN011723.D  
Acq On : 05 Sep 2020 05:00  
Operator : CG/JU  
Sample : L3843-02  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AC1

Manual Integrations  
APPROVED

mohammad  
9/8/2020 1:47:39 PM

Quant Time: Sep 05 06:36:40 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN081220.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Sep 05 05:40:34 2020  
Response via : Initial Calibration



# Quantitation Report (Qedit)

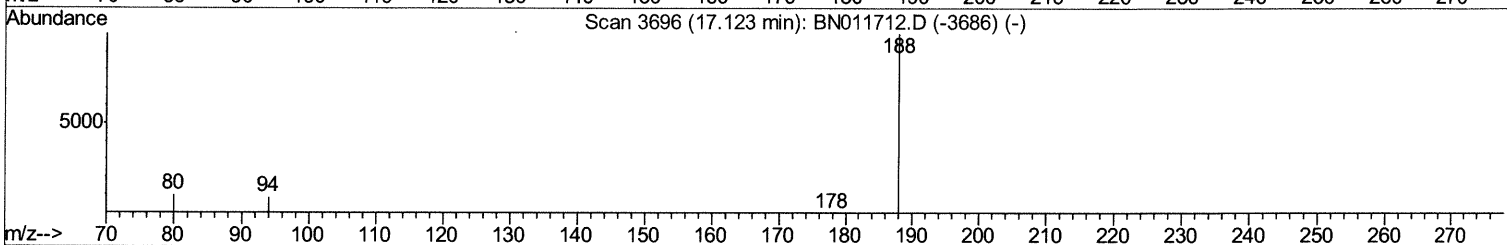
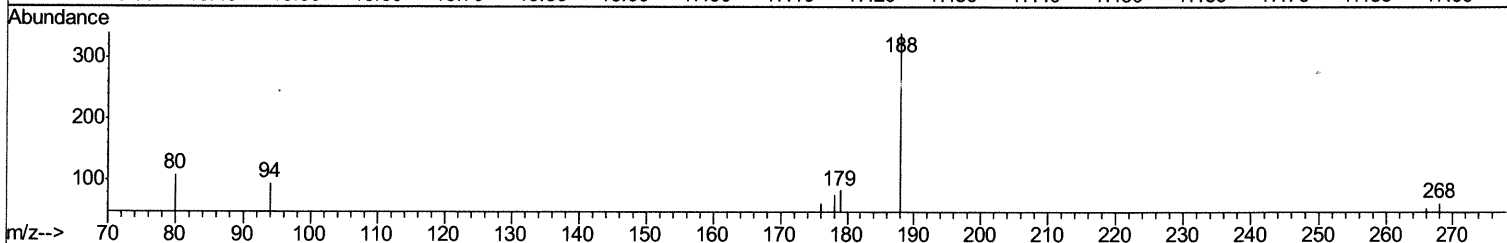
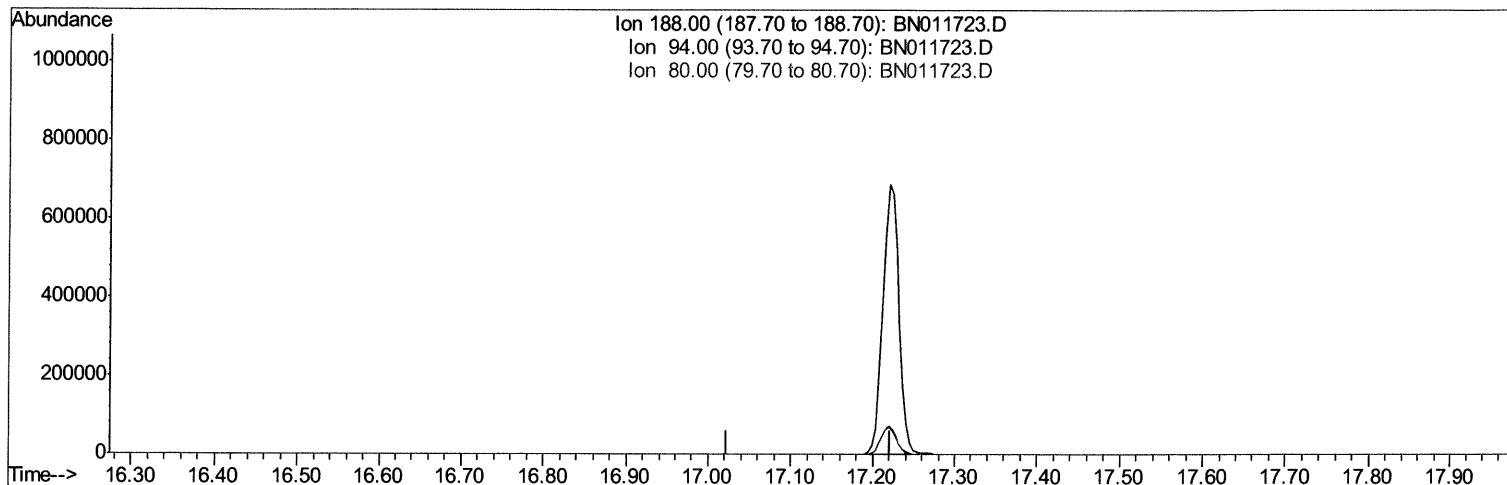
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090420\  
 Data File : BN011723.D  
 Acq On : 05 Sep 2020 05:00  
 Operator : CG/JU  
 Sample : L3843-02  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AC1

Manual Integrations  
 APPROVED

mohammad  
 9/8/2020 1:47:39 PM

Quant Time: Sep 05 06:02:13 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN081220.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 05 05:40:34 2020  
 Response via : Initial Calibration



TIC: BN011723.D

(10) Phenanthrene-d10 (I)

17.123min (-17.123) 0.00ng/ul

response 0

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 188.00 | 100  | 0.00  |
| 94.00  | 8.20 | 0.00# |
| 80.00  | 9.00 | 0.00# |
| 0.00   | 0.00 | 0.00  |

# Quantitation Report (Qedit)

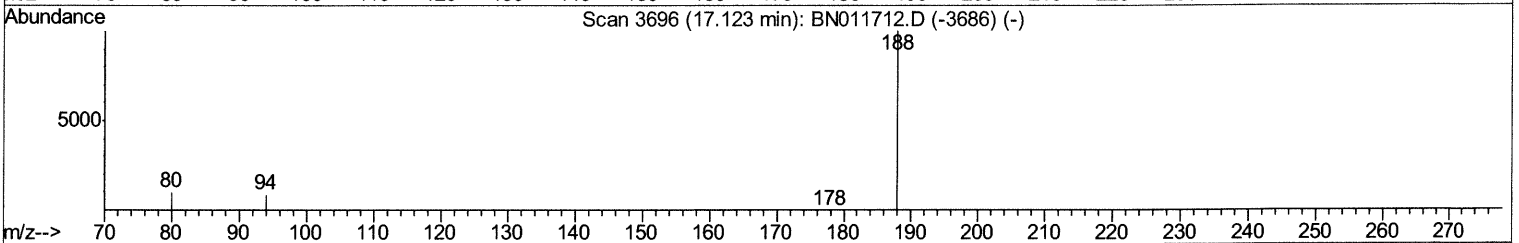
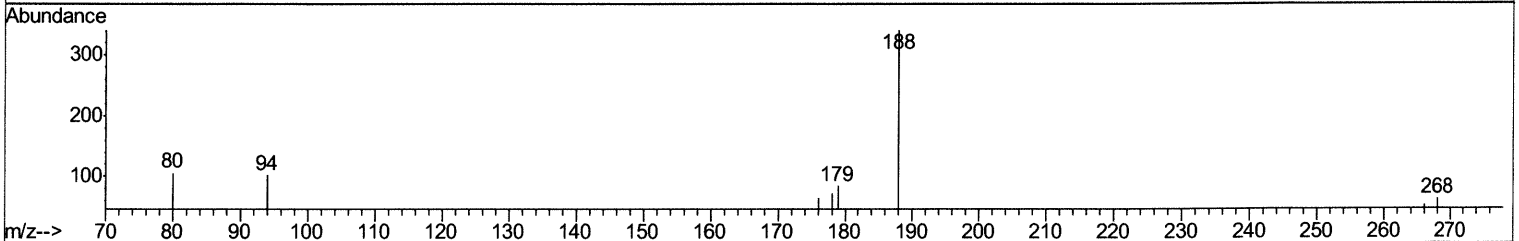
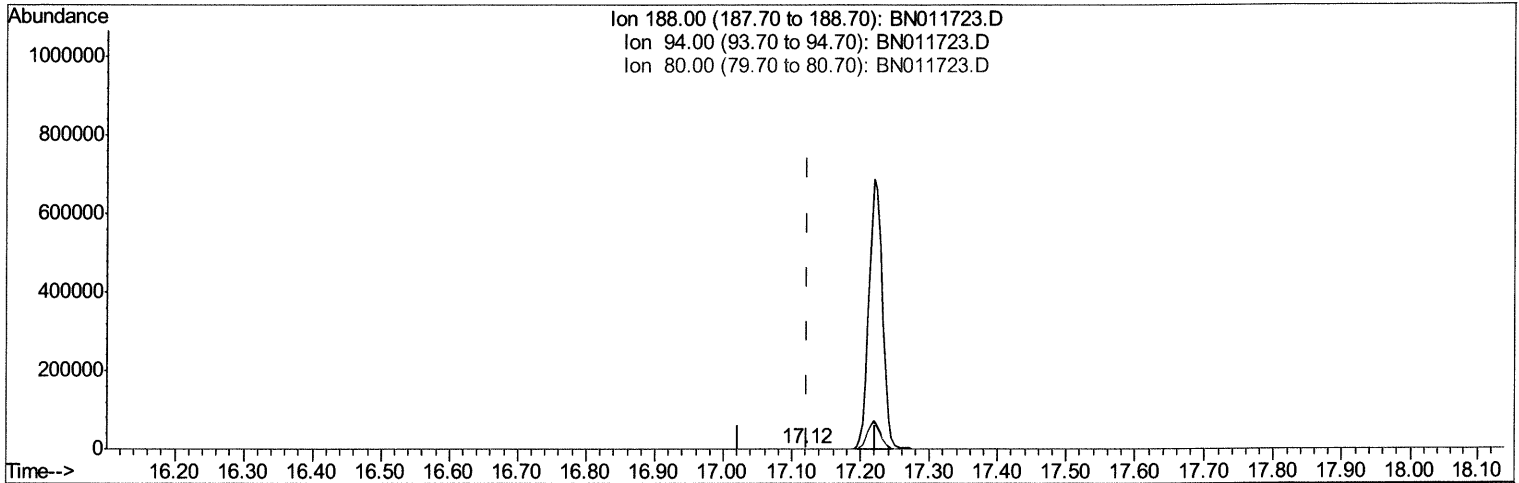
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090420\  
 Data File : BN011723.D  
 Acq On : 05 Sep 2020 05:00  
 Operator : CG/JU  
 Sample : L3843-02  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

**Instrument :**  
 BNA\_N  
**ClientSampleId :**  
 C0AC1

**Manual Integrations**  
**APPROVED**

mohammad  
 9/8/2020 1:47:39 PM

Quant Time: Sep 05 06:02:13 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN081220.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 05 05:40:34 2020  
 Response via : Initial Calibration



TIC: BN011723.D

(10) Phenanthrene-d10 (I)

17.118min (-0.004) 0.40ng/ul m 09/09/20 JU

response 539

| Ion    | Exp% | Act%   |
|--------|------|--------|
| 188.00 | 100  | 100    |
| 94.00  | 8.20 | 29.91# |
| 80.00  | 9.00 | 30.79# |
| 0.00   | 0.00 | 0.00   |

# Quantitation Report (Qedit)

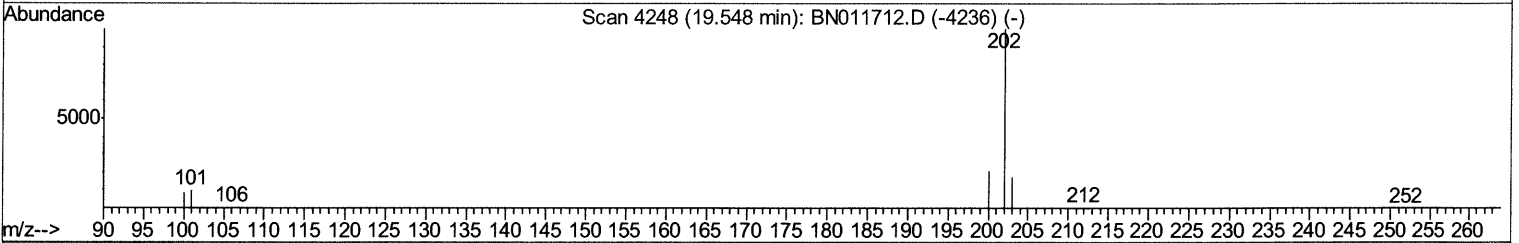
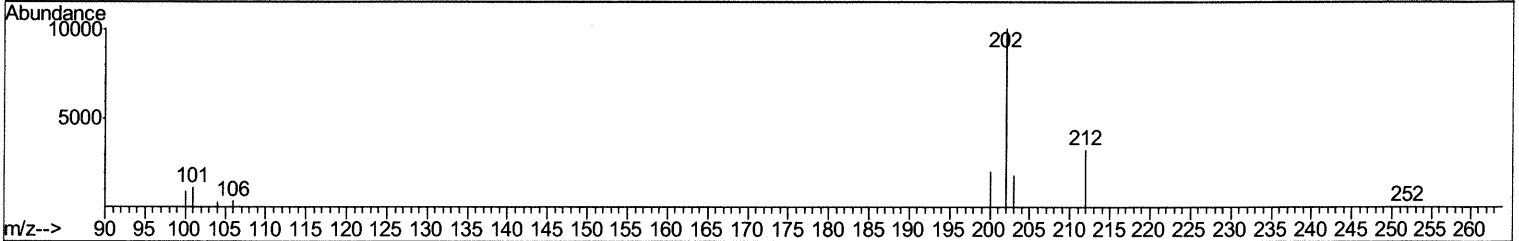
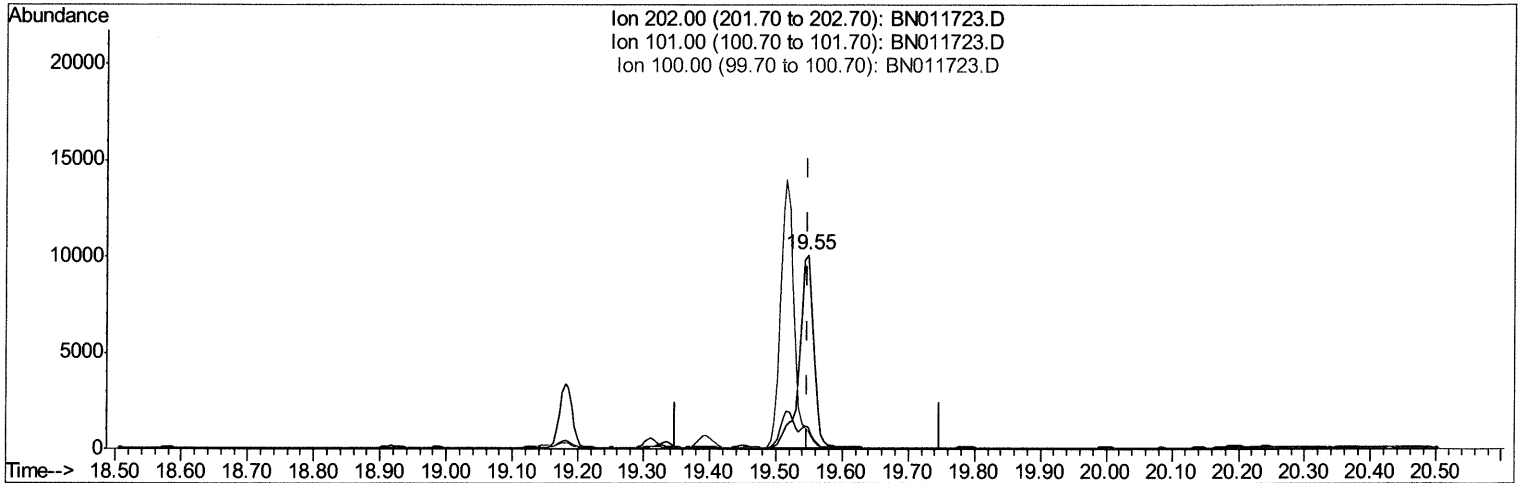
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090420\  
 Data File : BN011723.D  
 Acq On : 05 Sep 2020 05:00  
 Operator : CG/JU  
 Sample : L3843-02  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AC1

Manual Integrations  
 APPROVED

mohammad  
 9/8/2020 1:47:39 PM

Quant Time: Sep 05 06:34:29 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN081220.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 05 05:40:34 2020  
 Response via : Initial Calibration



TIC: BN011723.D

(17) Pyrene

19.548min (0.000) 6.08ng/ul

response 14993

| Ion    | Exp% | Act%   |
|--------|------|--------|
| 202.00 | 100  | 100    |
| 101.00 | 9.10 | 11.40# |
| 100.00 | 8.40 | 9.63   |
| 0.00   | 0.00 | 0.00   |

# Quantitation Report (Qedit)

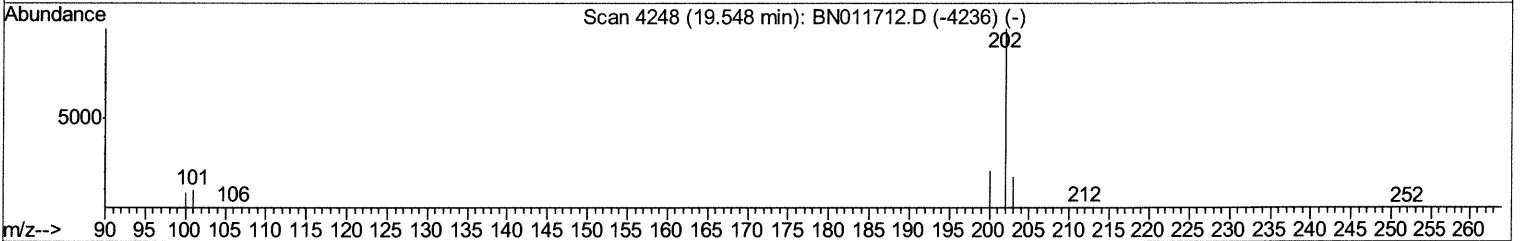
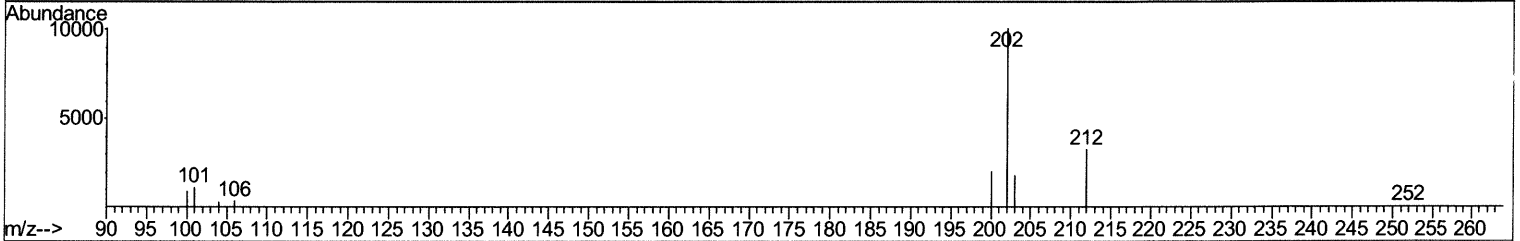
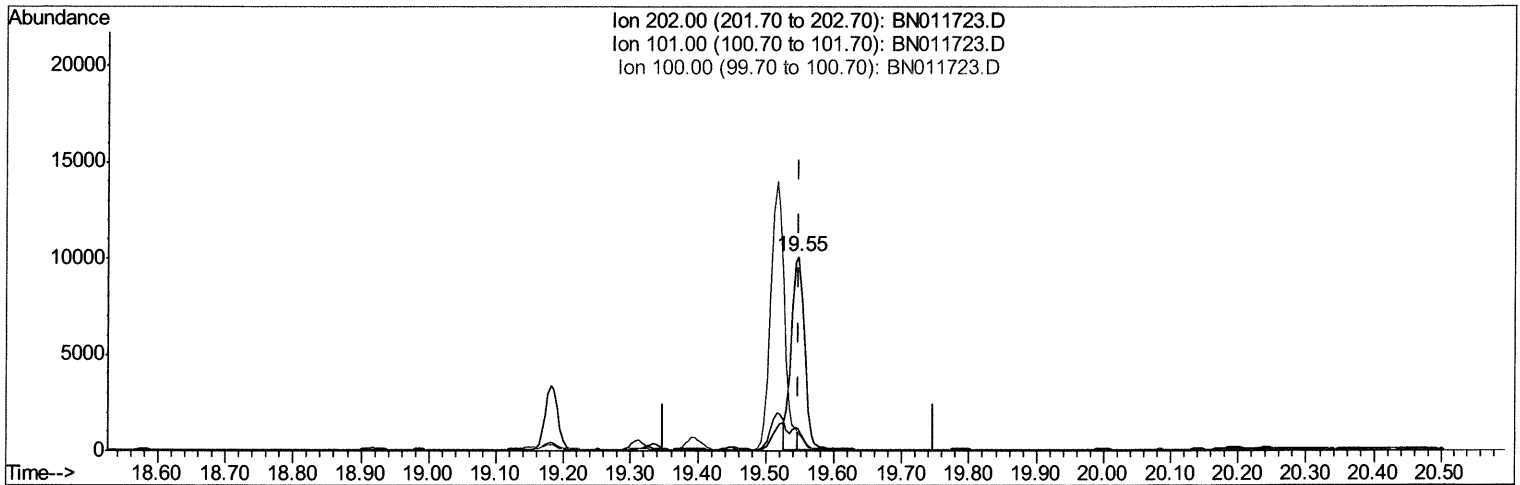
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090420\  
 Data File : BN011723.D  
 Acq On : 05 Sep 2020 05:00  
 Operator : CG/JU  
 Sample : L3843-02  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AC1

Manual Integrations  
 APPROVED

mohammad  
 9/8/2020 1:47:39 PM

Quant Time: Sep 05 06:34:29 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN081220.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 05 05:40:34 2020  
 Response via : Initial Calibration



TIC: BN011723.D

(17) Pyrene

19.548min (0.000) 5.51ng/ul m 09/09/20 JU

response 13600

| Ion    | Exp% | Act%   |
|--------|------|--------|
| 202.00 | 100  | 100    |
| 101.00 | 9.10 | 11.40# |
| 100.00 | 8.40 | 9.63   |
| 0.00   | 0.00 | 0.00   |

# Quantitation Report (Qedit)

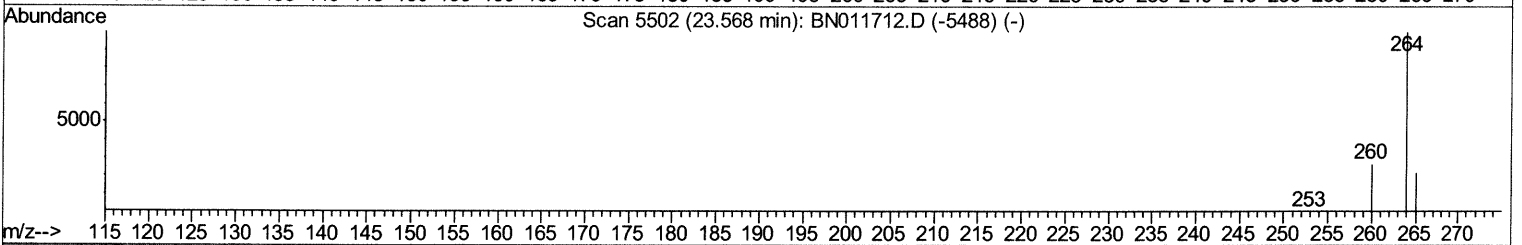
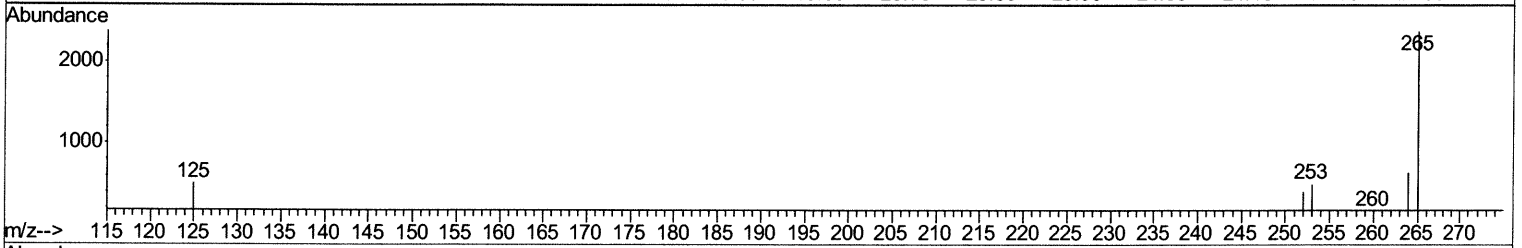
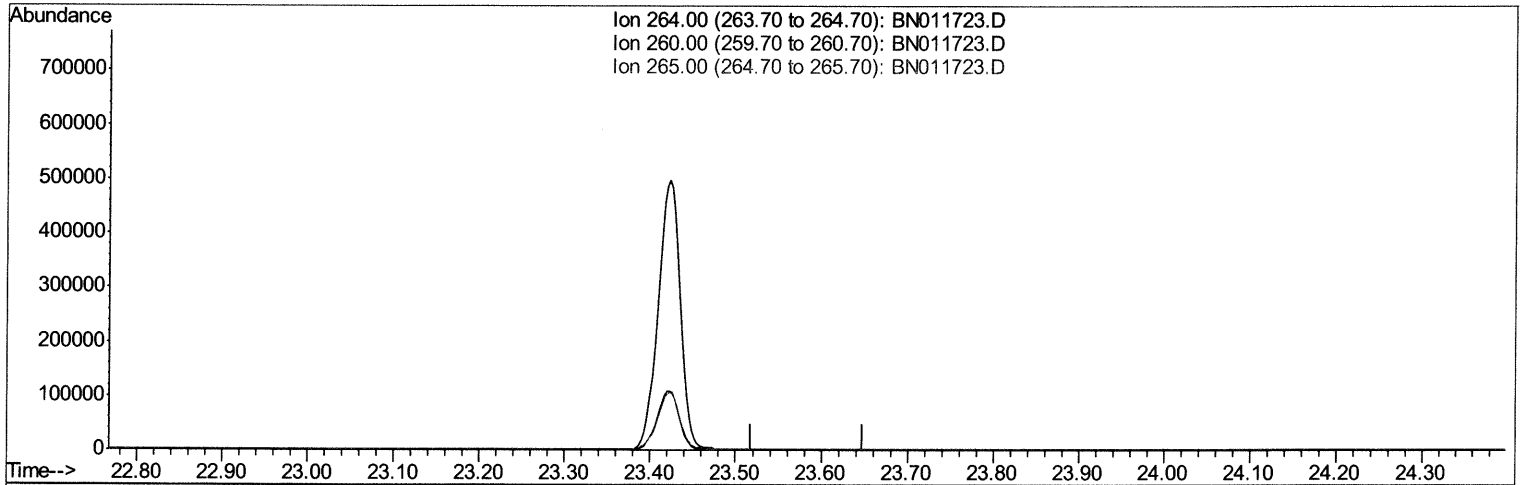
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090420\  
 Data File : BN011723.D  
 Acq On : 05 Sep 2020 05:00  
 Operator : CG/JU  
 Sample : L3843-02  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

**Instrument :**  
 BNA\_N  
**ClientSampleId :**  
 C0AC1

**Manual Integrations**  
**APPROVED**

mohammad  
 9/8/2020 1:47:39 PM

Quant Time: Sep 05 06:34:29 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN081220.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 05 05:40:34 2020  
 Response via : Initial Calibration



TIC: BN011723.D

(20) Perylene-d12 (I)  
 23.568min (-23.568) 0.00ng/ul  
 response 0

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 264.00 | 100   | 0.00  |
| 260.00 | 26.50 | 0.00# |
| 265.00 | 78.60 | 0.00# |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

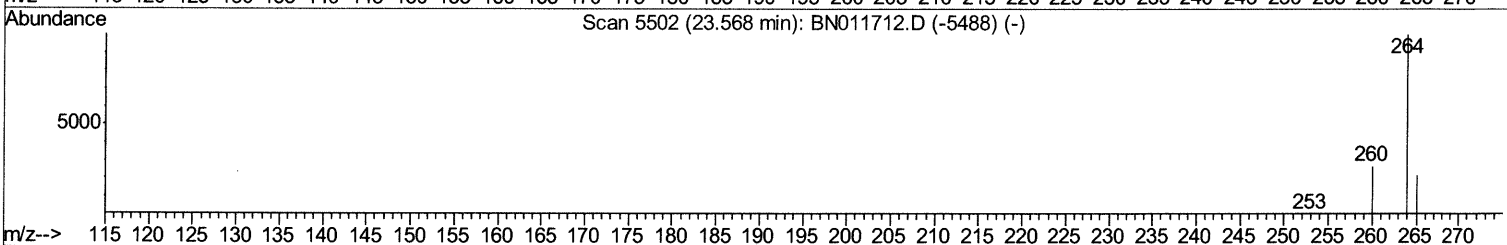
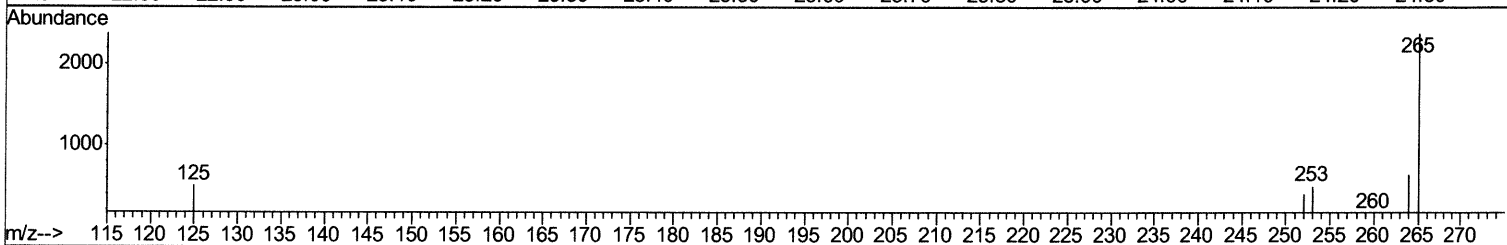
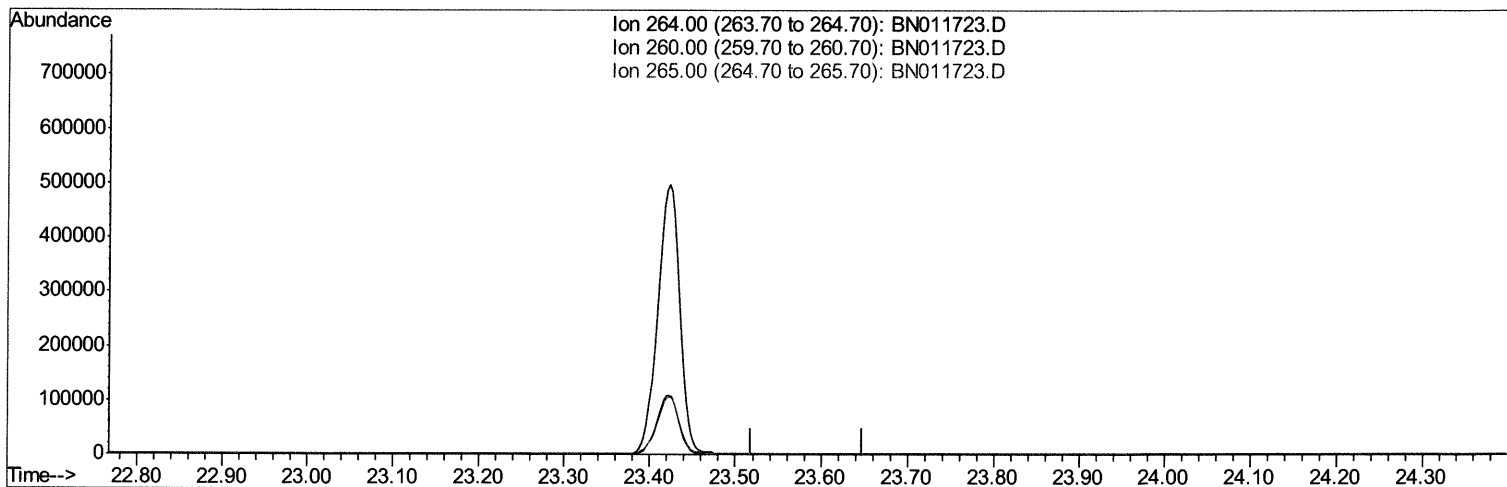
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090420\  
 Data File : BN011723.D  
 Acq On : 05 Sep 2020 05:00  
 Operator : CG/JU  
 Sample : L3843-02  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AC1

Manual Integrations  
 APPROVED

mohammad  
 9/8/2020 1:47:39 PM

Quant Time: Sep 05 06:35:06 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN081220.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 05 05:40:34 2020  
 Response via : Initial Calibration



TIC: BN011723.D

(20) Perylene-d12 (I)

23.568min (-23.568) 0.00ng/ul

response 0

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 264.00 | 100   | 0.00  |
| 260.00 | 26.50 | 0.00# |
| 265.00 | 78.60 | 0.00# |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

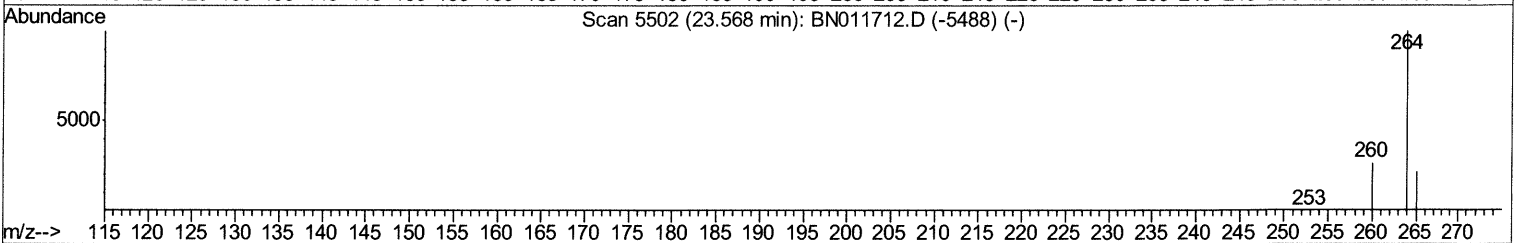
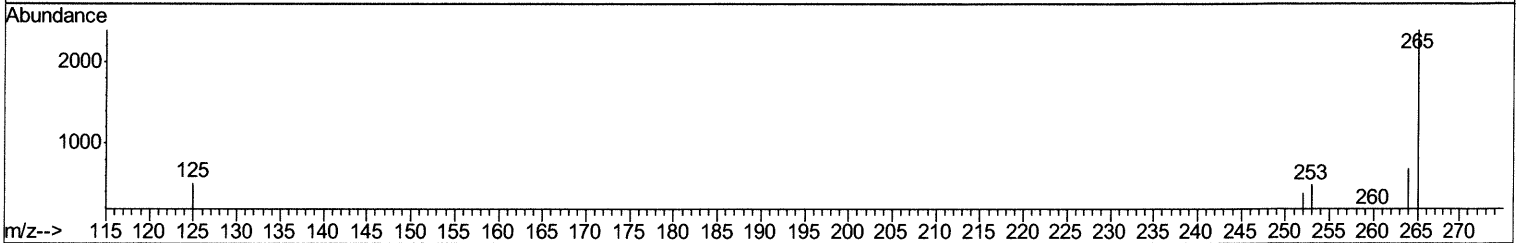
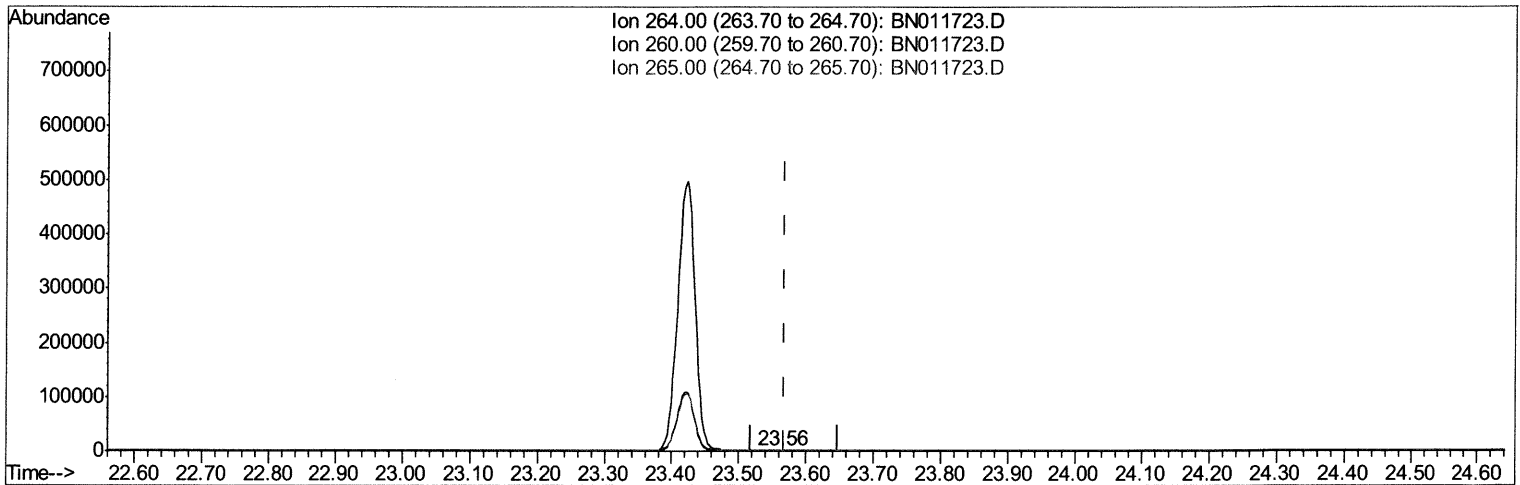
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090420\  
 Data File : BN011723.D  
 Acq On : 05 Sep 2020 05:00  
 Operator : CG/JU  
 Sample : L3843-02  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AC1

Manual Integrations  
 APPROVED

mohammad  
 9/8/2020 1:47:39 PM

Quant Time: Sep 05 06:35:06 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN081220.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 05 05:40:34 2020  
 Response via : Initial Calibration



TIC: BN011723.D

(20) Perylene-d12 (I)

23.562min (-0.006) 0.40ng/ul m 09/09/20 JU

response 325

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 264.00 | 100   | 100     |
| 260.00 | 26.50 | 27.90   |
| 265.00 | 78.60 | 351.40# |
| 0.00   | 0.00  | 0.00    |



## Quantitation Report (Qedit)

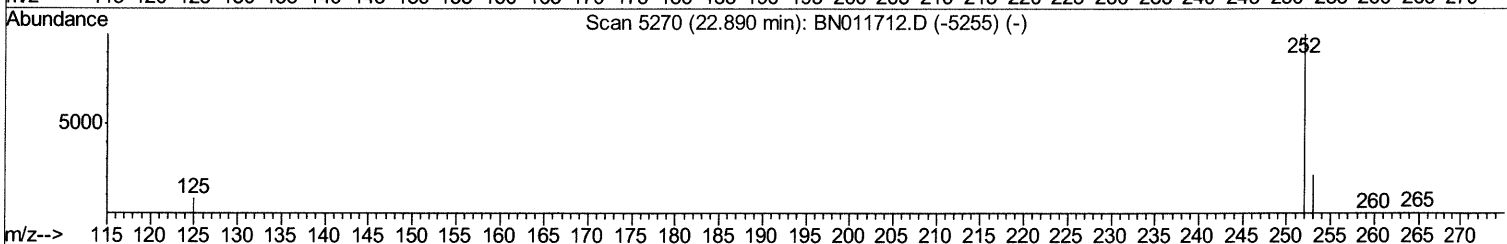
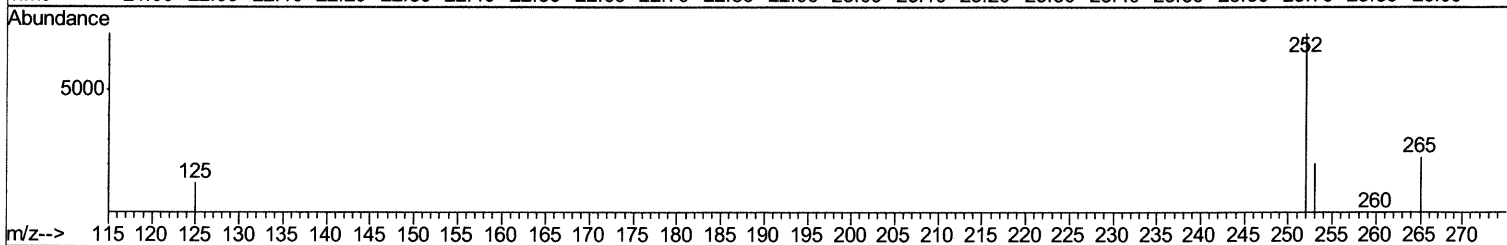
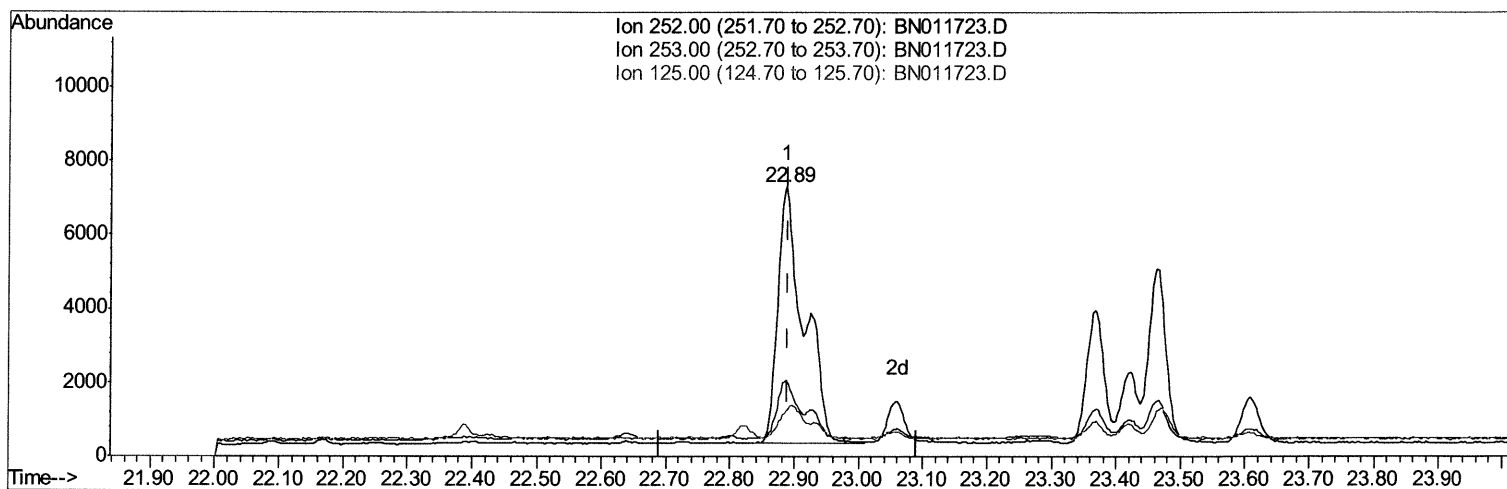
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090420\  
Data File : BN011723.D  
Acq On : 05 Sep 2020 05:00  
Operator : CG/JU  
Sample : L3843-02  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AC1

Manual Integrations  
APPROVED

mohammad  
9/8/2020 1:47:39 PM

Quant Time: Sep 05 06:35:52 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN081220.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Sep 05 05:40:34 2020  
Response via : Initial Calibration



TIC: BN011723.D

(21) Benzo(b)fluoranthene

22.887min (-0.003) 14.04ng/ul

response 19829

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 27.40 | 28.30 |
| 125.00 | 11.10 | 17.03 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

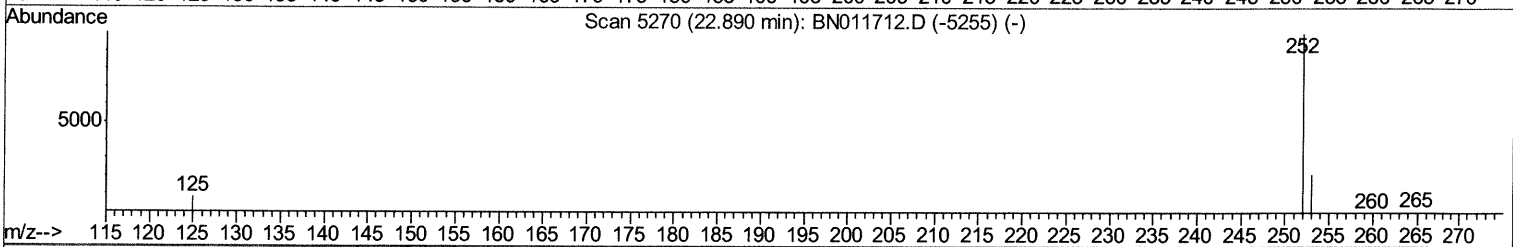
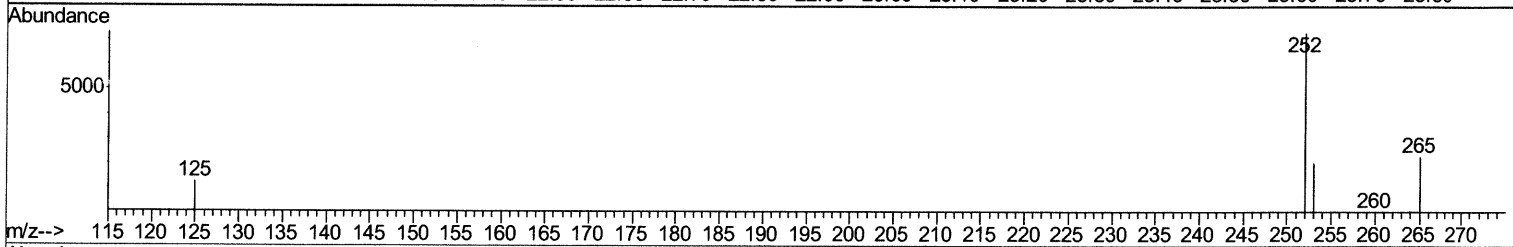
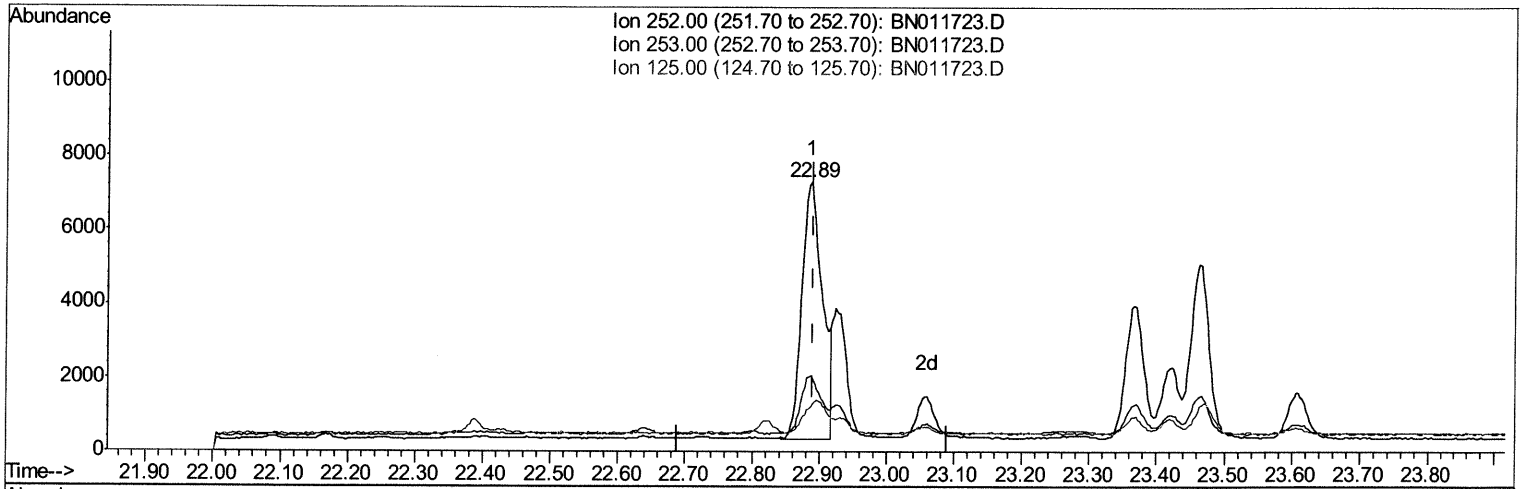
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090420\  
 Data File : BN011723.D  
 Acq On : 05 Sep 2020 05:00  
 Operator : CG/JU  
 Sample : L3843-02  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AC1

Manual Integrations  
 APPROVED

mohammad  
 9/8/2020 1:47:39 PM

Quant Time: Sep 05 06:35:52 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN081220.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 05 05:40:34 2020  
 Response via : Initial Calibration



TIC: BN011723.D

(21) Benzo(b)fluoranthene

22.887min (-0.003) 10.44ng/ul m 09/09/20 JU

response 14752

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 27.40 | 28.30 |
| 125.00 | 11.10 | 17.03 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

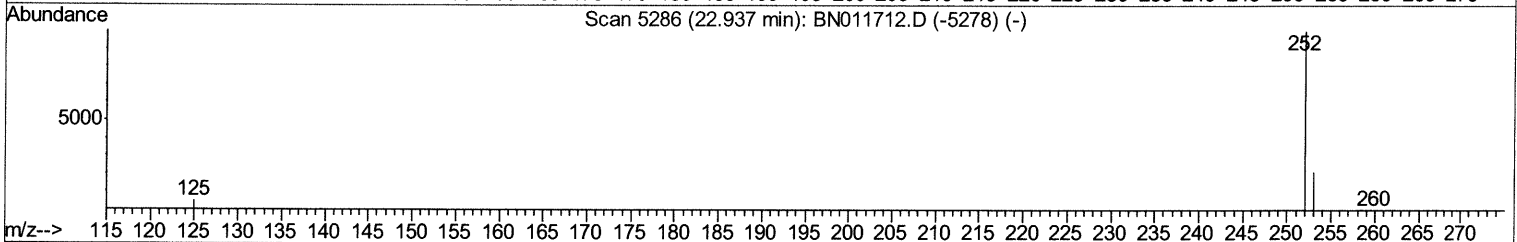
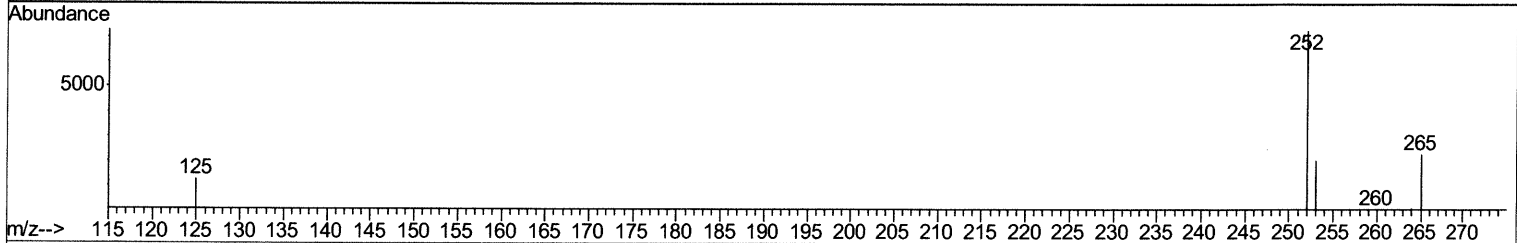
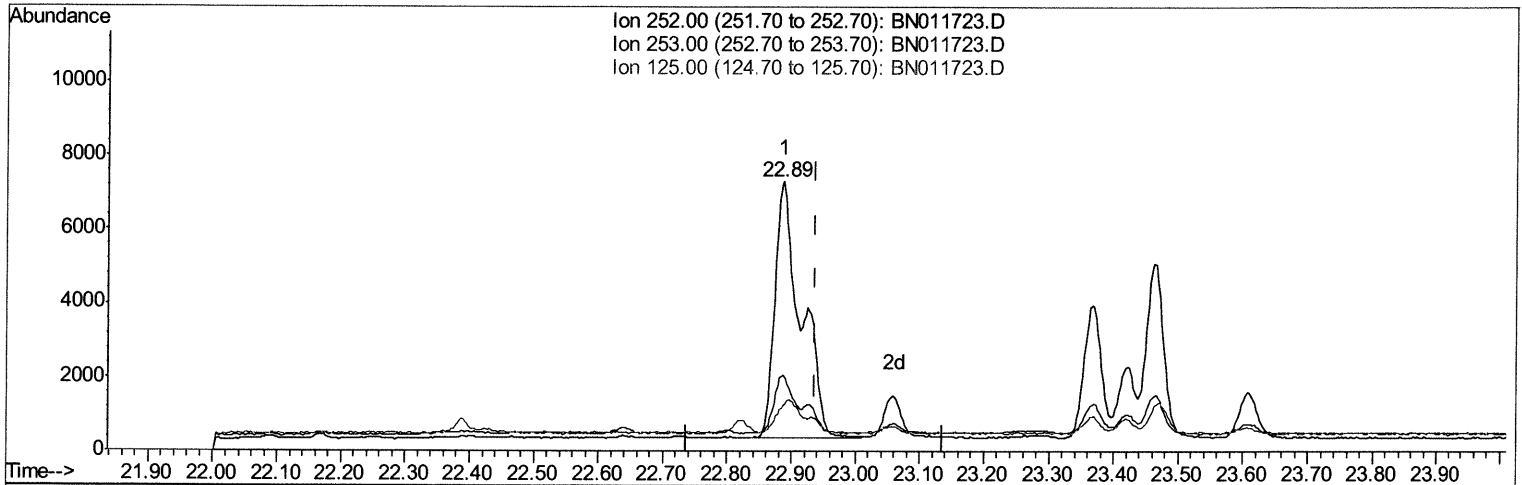
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090420\  
 Data File : BN011723.D  
 Acq On : 05 Sep 2020 05:00  
 Operator : CG/JU  
 Sample : L3843-02  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AC1

Manual Integrations  
 APPROVED

mohammad  
 9/8/2020 1:47:39 PM

Quant Time: Sep 05 06:35:52 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN081220.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 05 05:40:34 2020  
 Response via : Initial Calibration



TIC: BN011723.D

(22) Benzo(k)fluoranthene

22.887min (-0.050) 12.70ng/ul

response 19829

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 27.20 | 28.30  |
| 125.00 | 11.40 | 17.03# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

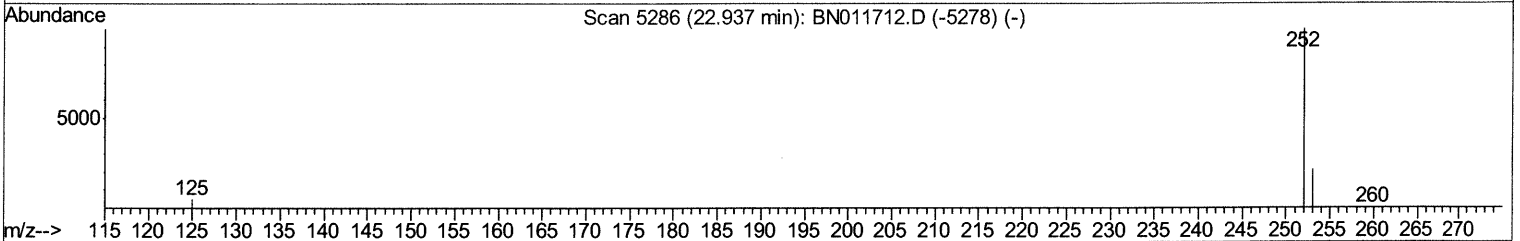
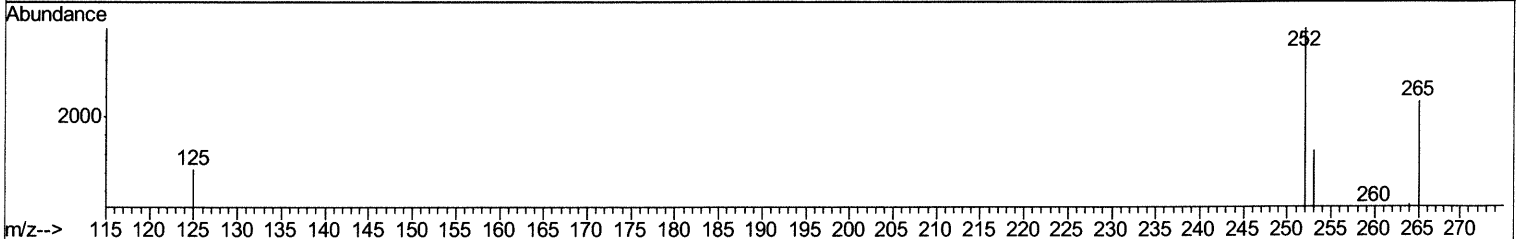
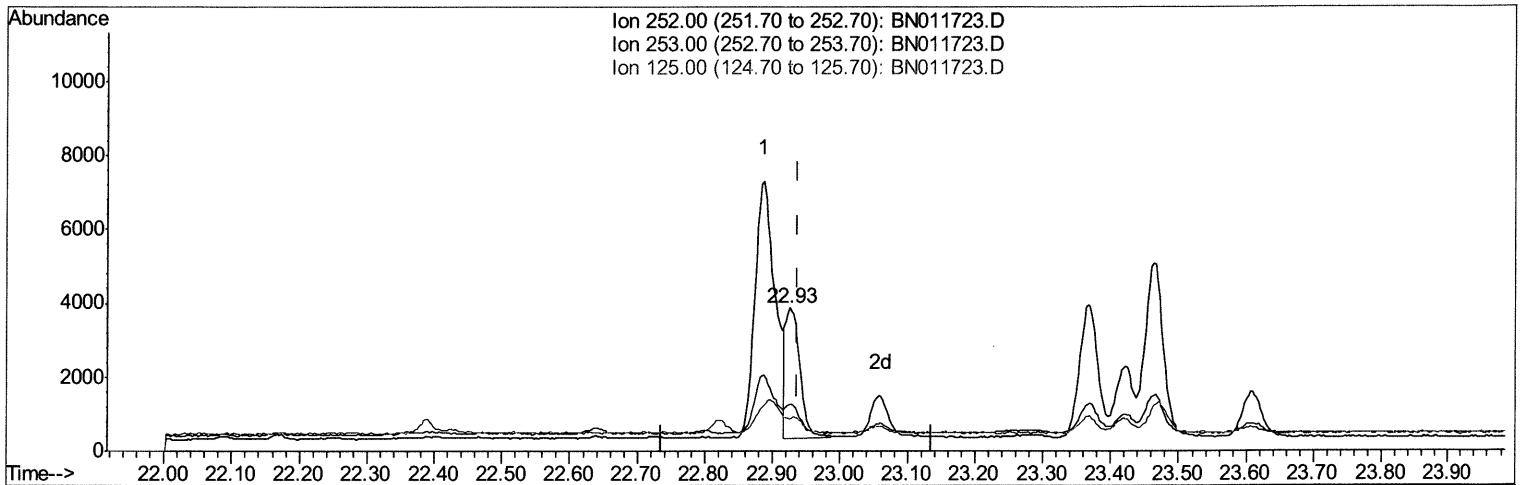
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090420\  
 Data File : BN011723.D  
 Acq On : 05 Sep 2020 05:00  
 Operator : CG/JU  
 Sample : L3843-02  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AC1

Manual Integrations  
 APPROVED

mohammad  
 9/8/2020 1:47:39 PM

Quant Time: Sep 05 06:35:52 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN081220.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 05 05:40:34 2020  
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.925min (-0.012) 3.35ng/ul m 09/09/20 54

response 5226

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 27.20 | 32.99# |
| 125.00 | 11.40 | 22.47# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090420\  
 Data File : BN011723.D  
 Acq On : 05 Sep 2020 05:00  
 Operator : CG/JU  
 Sample : L3843-02  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AC1

Manual Integrations  
 APPROVED

mohammad  
 9/8/2020 1:47:39 PM

Quant Time: Sep 05 06:36:40 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN081220.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 05 05:40:34 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.73  | 152  | 2        | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.52 | 136  | 81       | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.38 | 164  | 496      | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.12 | 188  | 539m>    | 0.40   | ng/ul  | > 0.00   |
| 16) Chrysene-d12            | 21.31 | 240  | 631      | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.56 | 264  | 325m>    | 0.40   | ng/ul  | > 0.00   |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.12 | 152  | 5027     | 43.85  | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.15 | 212  | 10329    | 6.81   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |        |        |          |
|                             |       |      |          |        | Ovalue |          |
| 3) Naphthalene              | 10.57 | 128  | 2133     | 9.034  | ng/ul  | 96       |
| 5) 2-Methylnaphthalene      | 12.19 | 142  | 360      | 2.412  | ng/ul  | 96       |
| 7) Acenaphthylene           | 14.10 | 152  | 1865     | 0.747  | ng/ul  | 95       |
| 8) Acenaphthene             | 14.44 | 153  | 418      | 0.215  | ng/ul# | 92       |
| 9) Fluorene                 | 15.43 | 166  | 423      | 0.185  | ng/ul# | 89       |
| 12) Phenanthrene            | 17.16 | 178  | 1440     | 0.790  | ng/ul# | 91       |
| 13) Anthracene              | 17.25 | 178  | 1957     | 1.305  | ng/ul# | 93       |
| 15) Fluoranthene            | 19.18 | 202  | 4457     | 2.125  | ng/ul  | 91       |
| 17) Pyrene                  | 19.55 | 202  | 13600m>  | 5.514  | ng/ul  | > 0.00   |
| 18) Benzo(a)anthracene      | 21.29 | 228  | 3629     | 1.714  | ng/ul  | 92       |
| 19) Chrysene                | 21.35 | 228  | 7871     | 2.757  | ng/ul  | 97       |
| 21) Benzo(b)fluoranthene    | 22.89 | 252  | 14752m>  | 10.443 | ng/ul  | > 0.00   |
| 22) Benzo(k)fluoranthene    | 22.93 | 252  | 5226m>   | 3.346  | ng/ul  | > 0.00   |
| 23) Benzo(a)pyrene          | 23.46 | 252  | 8815     | 7.427  | ng/ul# | 91       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.82 | 276  | 5681     | 3.540  | ng/ul  | 100      |
| 25) Dibenzo(a,h)anthracene  | 25.82 | 278  | 1641     | 1.254  | ng/ul# | 59       |
| 26) Benzo(a,h,i)perylene    | 26.51 | 276  | 5410     | 3.601  | ng/ul  | 94       |

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