

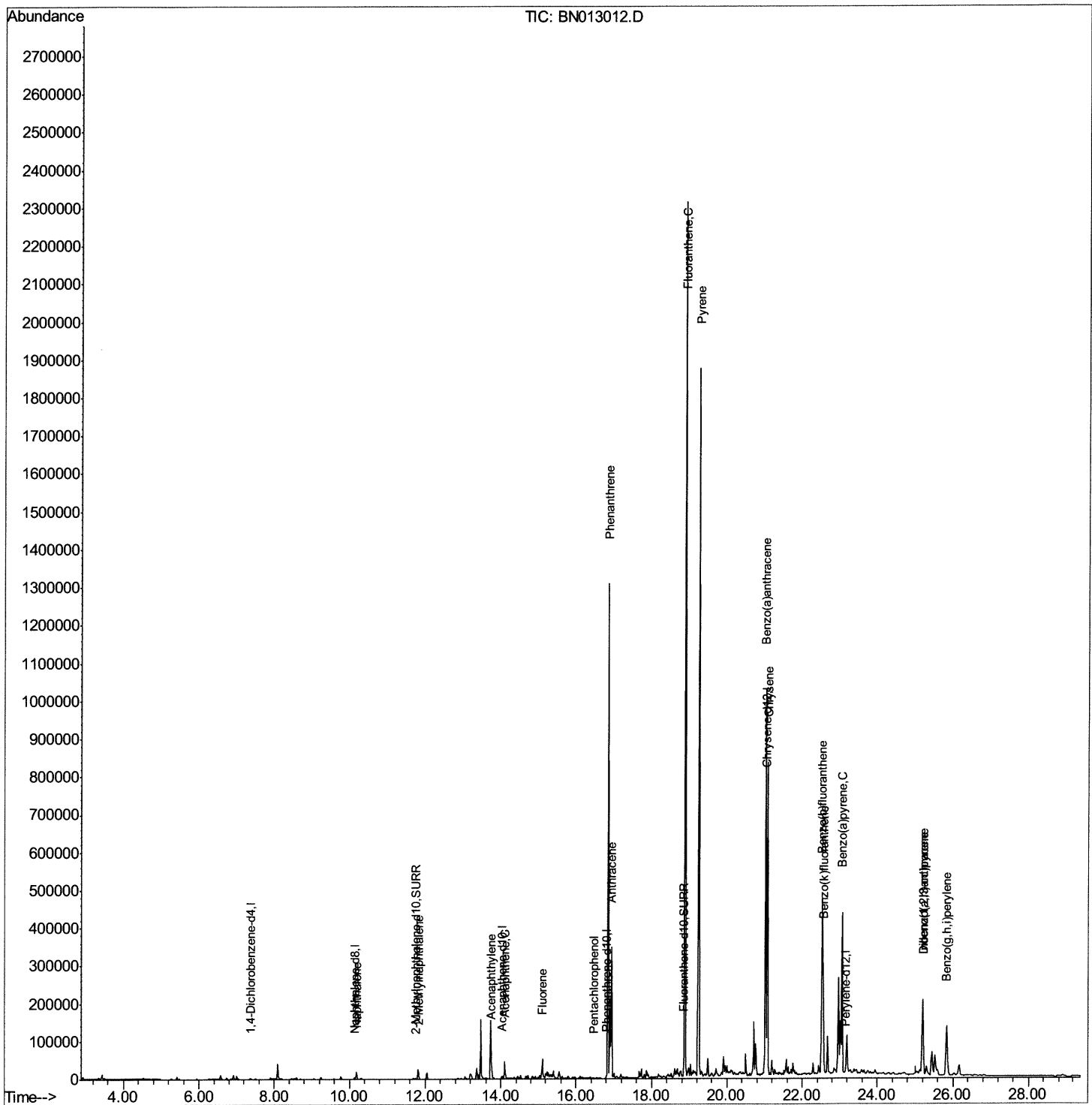
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN120720\  
Data File : BN013012.D  
Acq On : 09 Dec 2020 14:54  
Operator : CG/JU  
Sample : L4862-10  
Misc :  
ALS Vial : 82 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0BB5

Manual Integrations  
APPROVED

mohammad  
12/9/2020 5:39:38 PM

Quant Time: Dec 09 16:01:55 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 : Wed Dec 09 07:33:34 2020  
Response via : Initial Calibration



# Quantitation Report (Qedit)

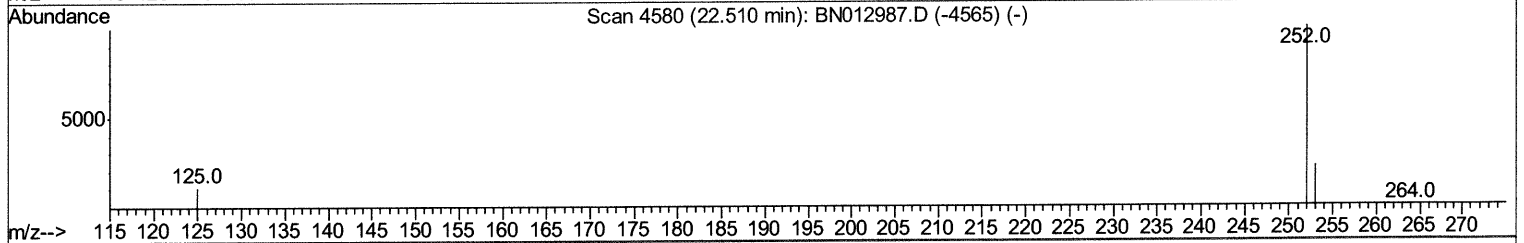
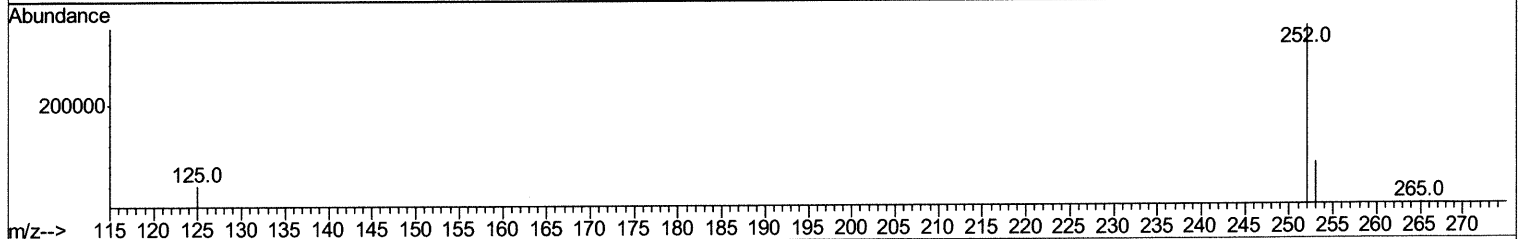
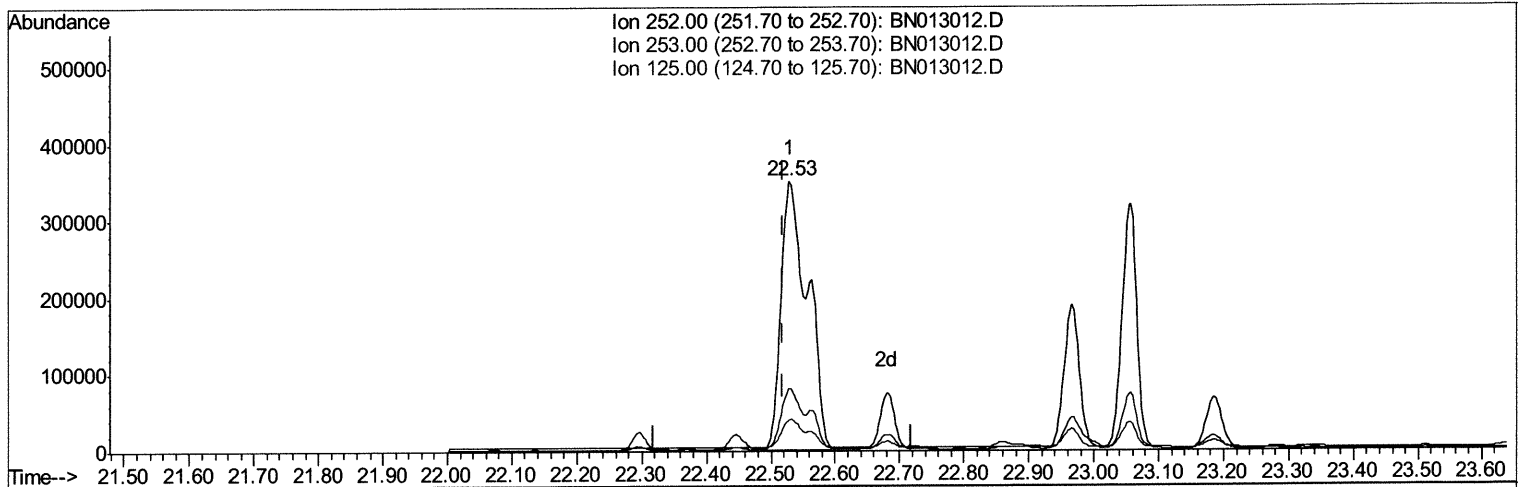
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Quant Time: Dec 09 15:59:03 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M  
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TIC: BN013012.D

(21) Benzo(b)fluoranthene  
 22.528min (+0.009) 42.19ng/ul  
 response 1006845  

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 29.80 | 23.37 |
| 125.00 | 13.00 | 11.49 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

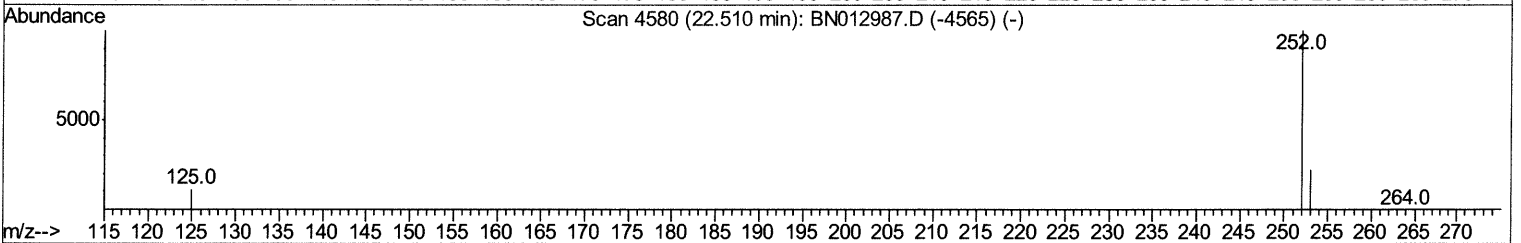
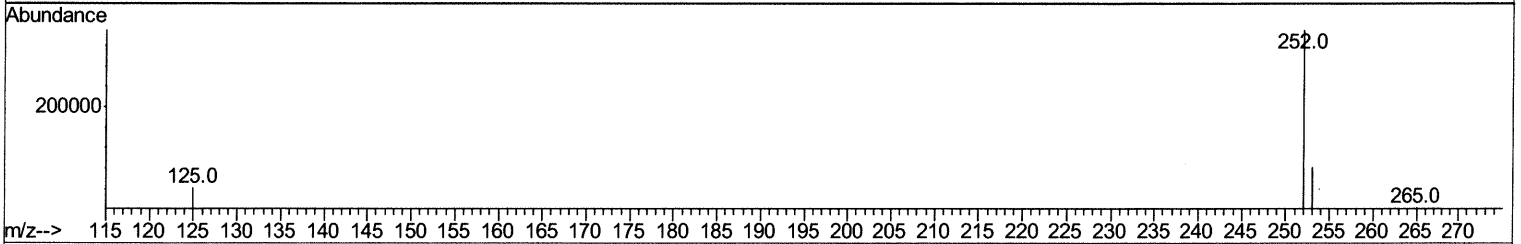
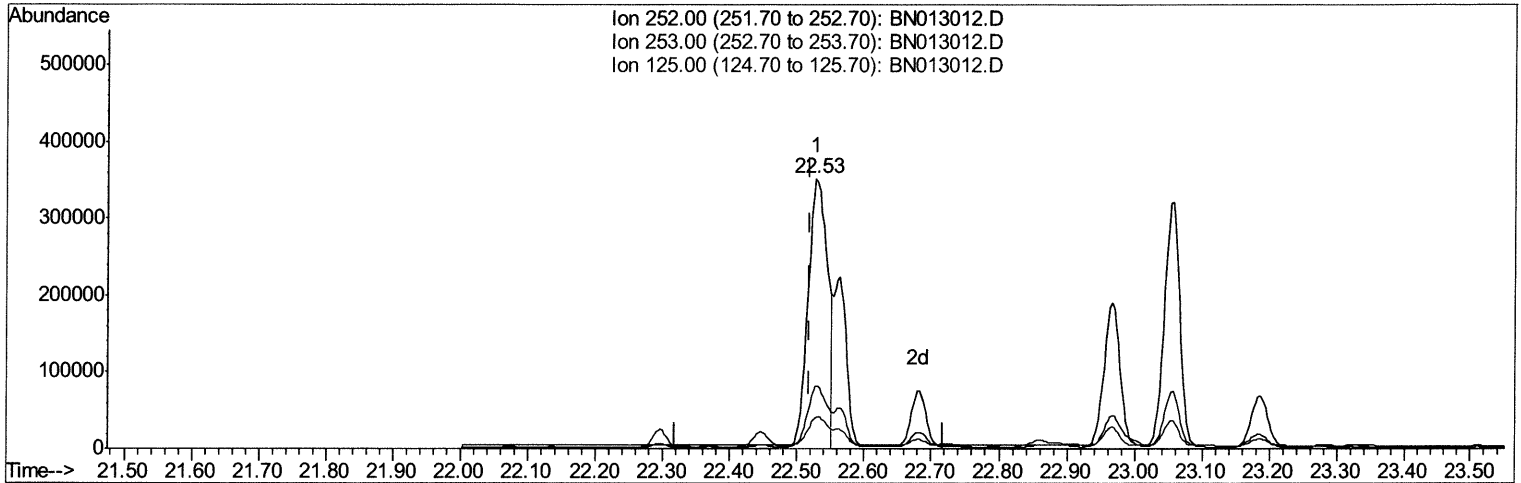
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN120720\  
 Data File : BN013012.D  
 Acq On : 09 Dec 2020 14:54  
 Operator : CG/JU  
 Sample : L4862-10  
 Misc :  
 ALS Vial : 82 Sample Multiplier: 1

**Instrument :**  
 BNA\_N  
**ClientSampleId :**  
 C0BB5

**Manual Integrations**  
**APPROVED**

mohammad  
 12/9/2020 5:39:38 PM

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TIC: BN013012.D

(21) Benzo(b)fluoranthene

22.528min (+0.009) 30.16ng/ul m 12/16/2024

response 719803

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 29.80 | 23.37 |
| 125.00 | 13.00 | 11.49 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

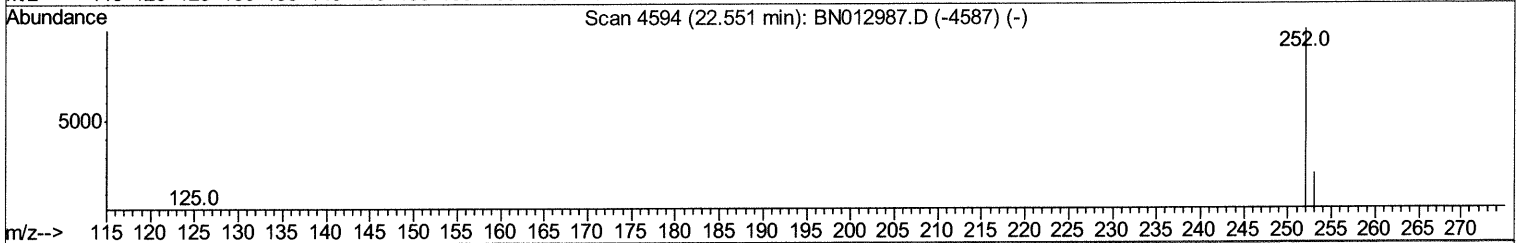
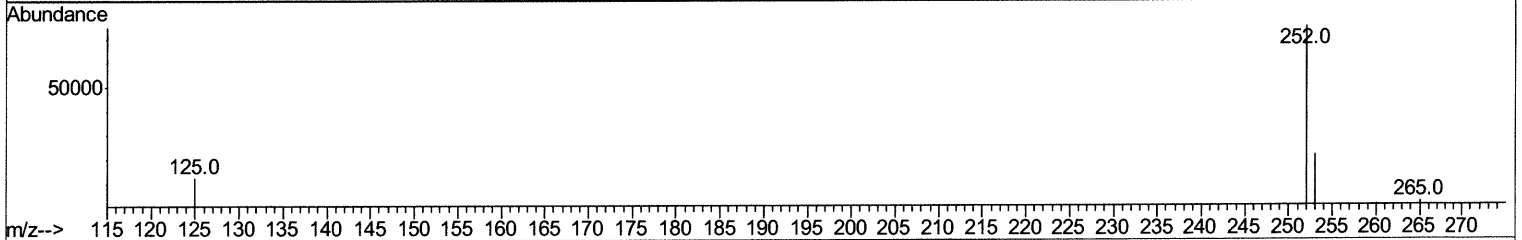
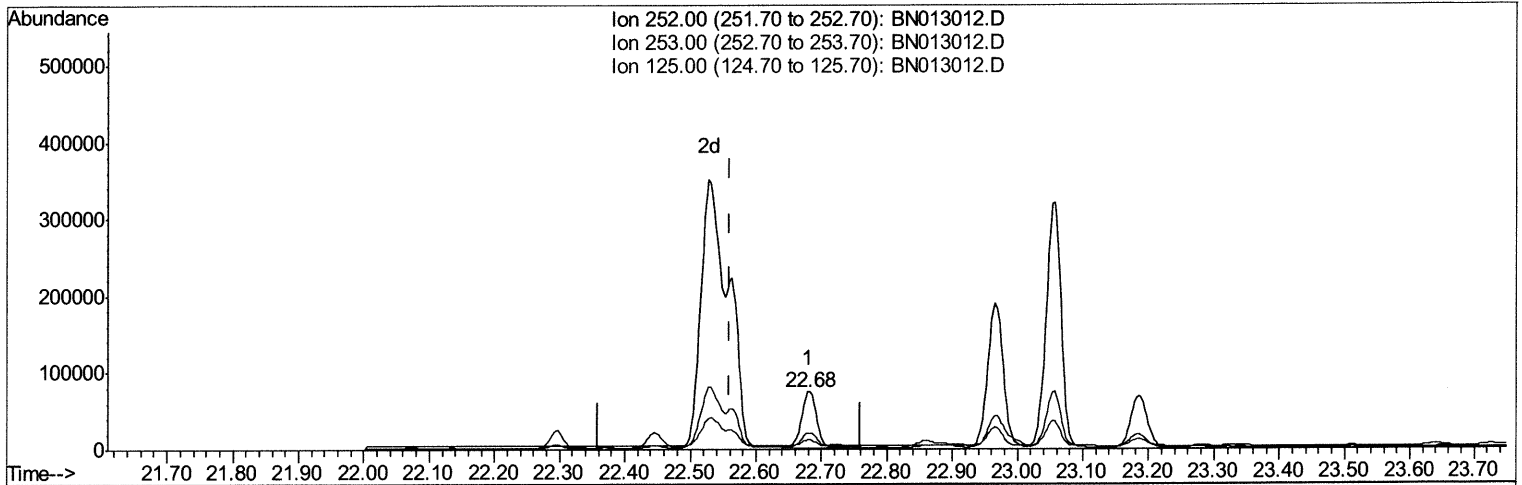
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN120720\  
 Data File : BN013012.D  
 Acq On : 09 Dec 2020 14:54  
 Operator : CG/JU  
 Sample : L4862-10  
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Instrument :  
 BNA\_N  
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Manual Integrations  
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(22) Benzo(k)fluoranthene  
 22.680min (+0.120) 4.41ng/ul  
 response 116237  

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 29.30 | 28.86 |
| 125.00 | 13.90 | 16.29 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

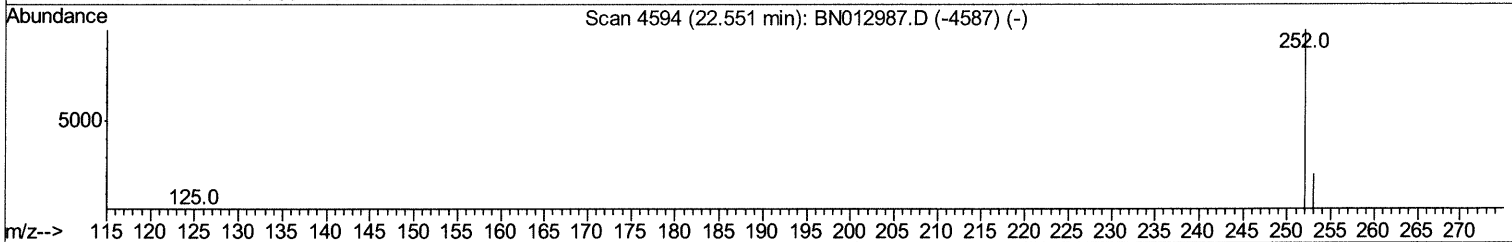
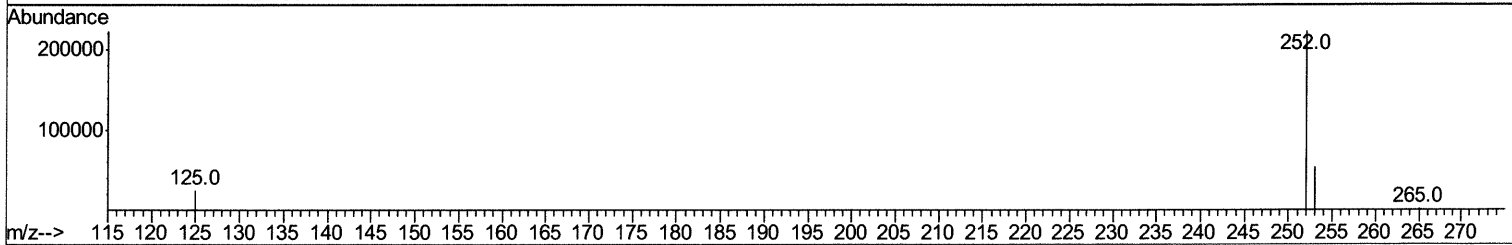
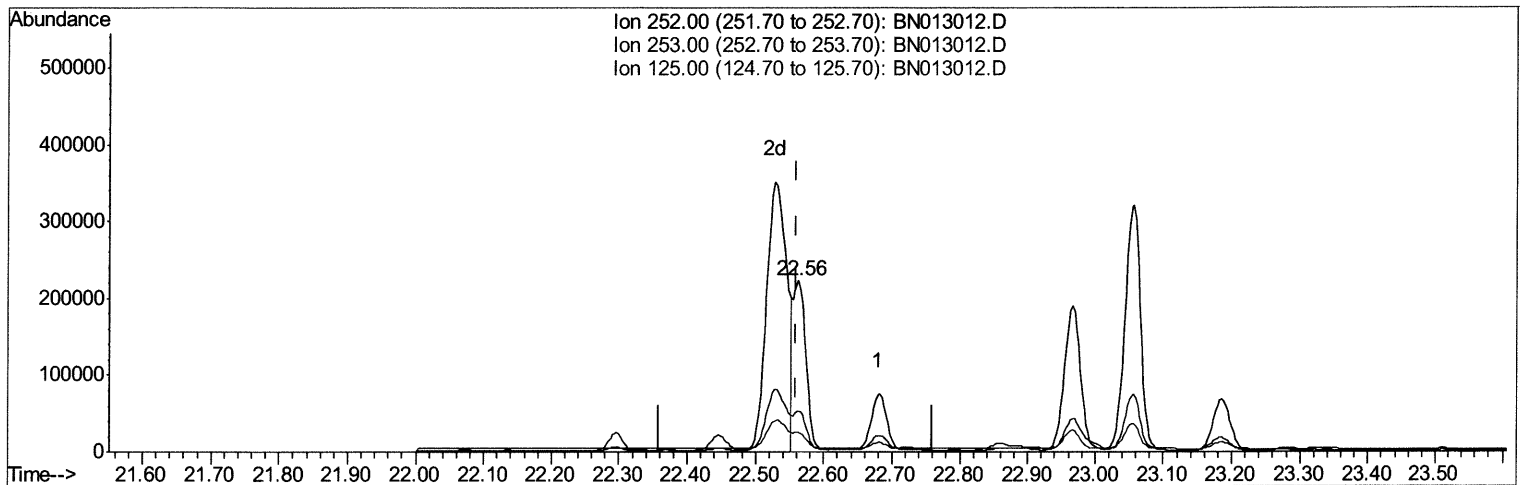
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN120720\  
Data File : BN013012.D  
Acq On : 09 Dec 2020 14:54  
Operator : CG/JU  
Sample : L4862-10  
Misc :  
ALS Vial : 82 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0BB5

Manual Integrations  
APPROVED

mohammad  
12/9/2020 5:39:38 PM

Quant Time: Dec 09 15:59:03 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M  
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Response via : Initial Calibration



TIC: BN013012.D

(22) Benzo(k)fluoranthene

22.563min (+0.003) 11.41ng/ul m 12/16/2020

response 301103

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 29.30 | 23.91 |
| 125.00 | 13.90 | 11.24 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN120720\  
 Data File : BN013012.D  
 Acq On : 09 Dec 2020 14:54  
 Operator : CG/JU  
 Sample : L4862-10  
 Misc :  
 ALS Vial : 82 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0BB5

Manual Integrations  
 APPROVED

mohammad  
 12/9/2020 5:39:38 PM

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| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.38  | 152  | 1120     | 0.40 | ng/ul | -0.01    |
| 2) Naphthalene-d8         | 10.14 | 136  | 4491     | 0.40 | ng/ul | -0.01    |
| 6) Acenaphthene-d10       | 14.05 | 164  | 2834     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 16.81 | 188  | 5757     | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 21.04 | 240  | 3906     | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.14 | 264  | 5159     | 0.40 | ng/ul | 0.00     |

| Svstem Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 11.74 | 152  | 1311     | 0.20 | ng/ul | -0.02    |
| 14) Fluoranthene-d10        | 18.85 | 212  | 2617     | 0.17 | ng/ul | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc   | Units  | Ovalue       |
|----------------------------|-------|------|----------|--------|--------|--------------|
| 3) Naphthalene             | 10.19 | 128  | 23099    | 1.778  | ng/ul# | 90           |
| 5) 2-Methylnaphthalene     | 11.82 | 142  | 17980    | 2.106  | ng/ul  | 99           |
| 7) Acenaphthylene          | 13.76 | 152  | 41001    | 3.057  | ng/ul  | 95           |
| 8) Acenaphthene            | 14.11 | 153  | 25404    | 2.309  | ng/ul  | 97           |
| 9) Fluorene                | 15.11 | 166  | 30934    | 2.450  | ng/ul  | 98           |
| 11) Pentachlorophenol      | 16.47 | 266  | 185      | 0.111  | ng/ul  | 97           |
| 12) Phenanthrene           | 16.85 | 178  | 1323533  | 68.568 | ng/ul  | 97           |
| 13) Anthracene             | 16.94 | 178  | 338306   | 20.594 | ng/ul  | 94           |
| 15) Fluoranthene           | 18.89 | 202  | 1922285  | 83.805 | ng/ul  | 99           |
| 17) Pyrene                 | 19.26 | 202  | 1533511  | 83.119 | ng/ul  | 99           |
| 18) Benzo(a)anthracene     | 21.02 | 228  | 847199   | 52.424 | ng/ul  | 99           |
| 19) Chrysene               | 21.08 | 228  | 706030   | 39.542 | ng/ul  | 97           |
| 21) Benzo(b)fluoranthene   | 22.53 | 252  | 719803m  | 30.159 | ng/ul  | } 12/10/2020 |
| 22) Benzo(k)fluoranthene   | 22.56 | 252  | 301103m  | 11.414 | ng/ul  |              |
| 23) Benzo(a)pyrene         | 23.06 | 252  | 512818   | 23.156 | ng/ul# | 84           |
| 24) Indeno(1,2,3-cd)pyrene | 25.21 | 276  | 275155   | 9.459  | ng/ul# | 98           |
| 25) Dibenzo(a,h)anthracene | 25.21 | 278  | 85307    | 3.708  | ng/ul  | 97           |
| 26) Benzo(a,h,i)perylene   | 25.84 | 276  | 248106   | 9.429  | ng/ul  | 96           |

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