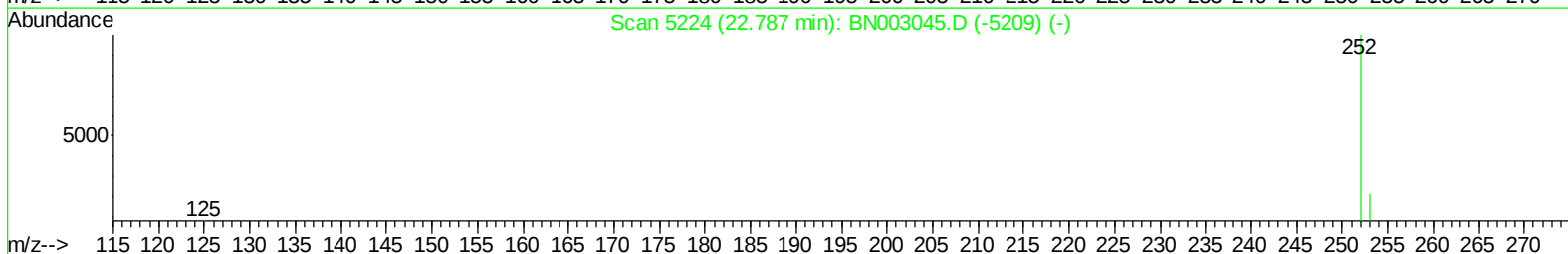
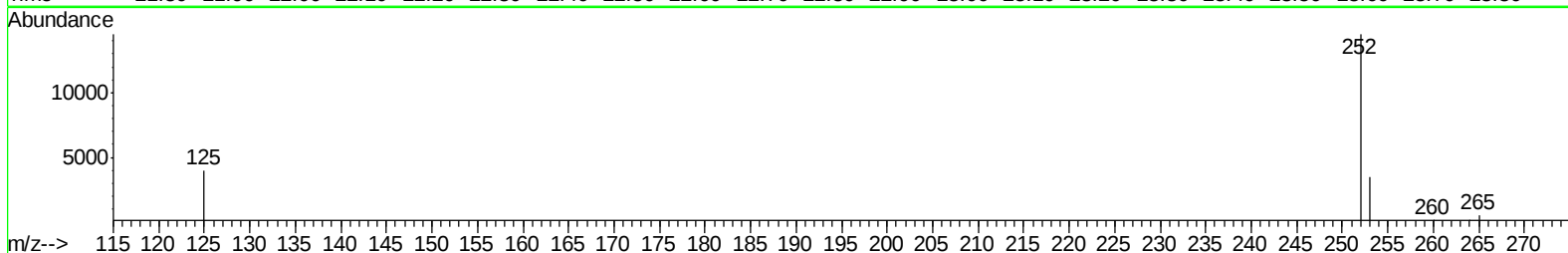
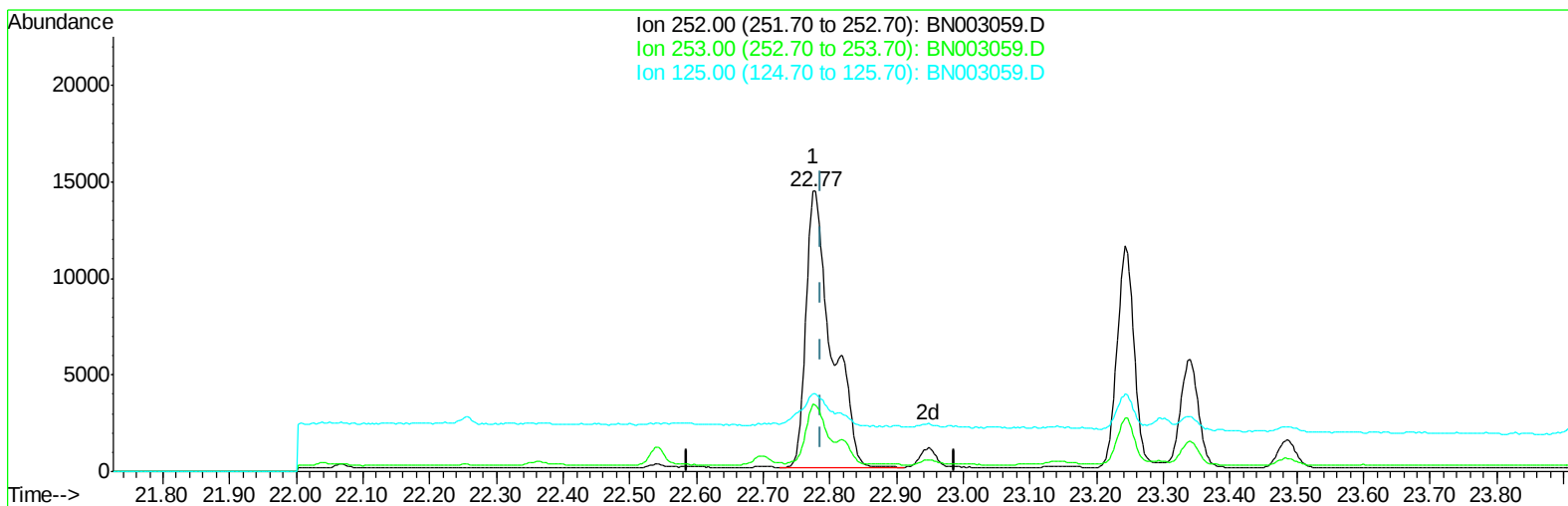


Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101018\  
Data File : BN003059.D  
Acq On : 10 Oct 2018 10:10  
Operator : MJ/SJ  
Sample : J5115-13DL 5X  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 10 12:02:19 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN100918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 10 08:36:11 2018  
Response via : Initial Calibration



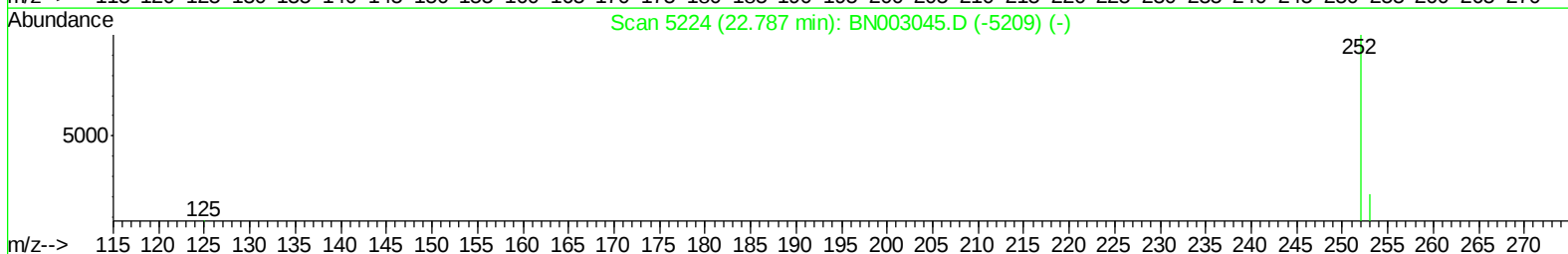
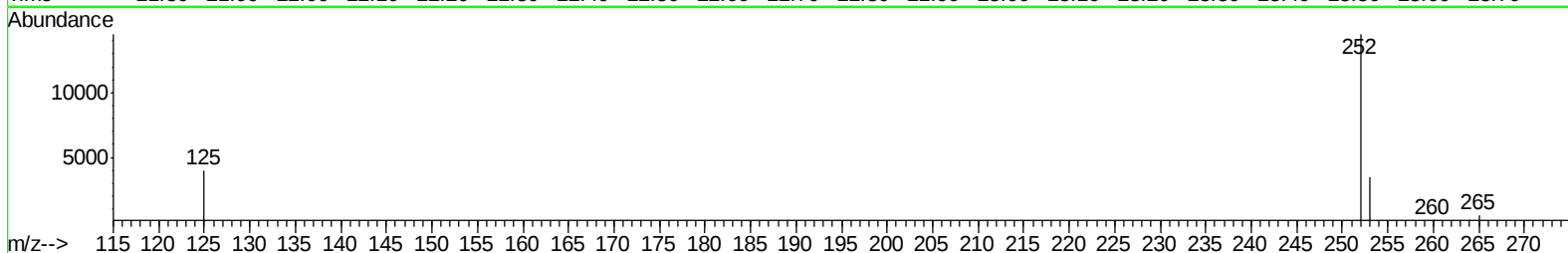
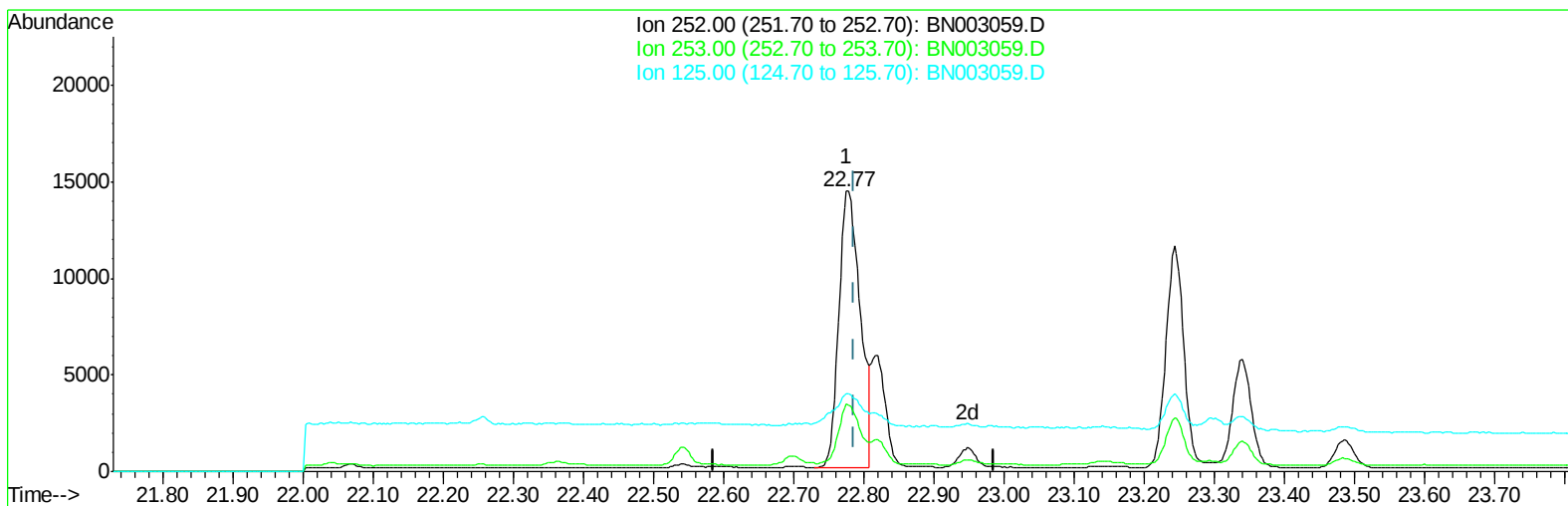
TIC: BN003059.D

(21) Benzo(b)fluoranthene  
22.775min (-0.012) 1.45ng/ul  
response 38584

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 26.60 | 24.21 |
| 125.00 | 17.10 | 27.56 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101018\  
Data File : BN003059.D  
Acq On : 10 Oct 2018 10:10  
Operator : MJ/SJ  
Sample : J5115-13DL 5X  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 10 12:02:19 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN100918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 10 08:36:11 2018  
Response via : Initial Calibration



TIC: BN003059.D

(21) Benzo(b)fluoranthene

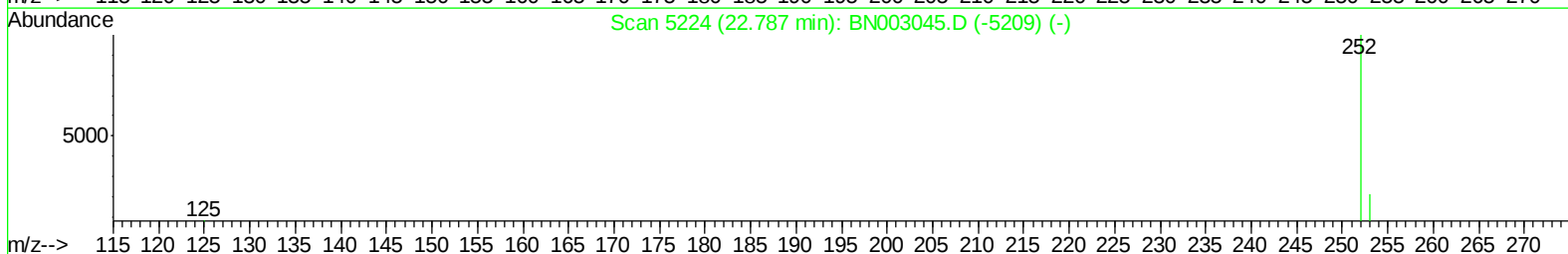
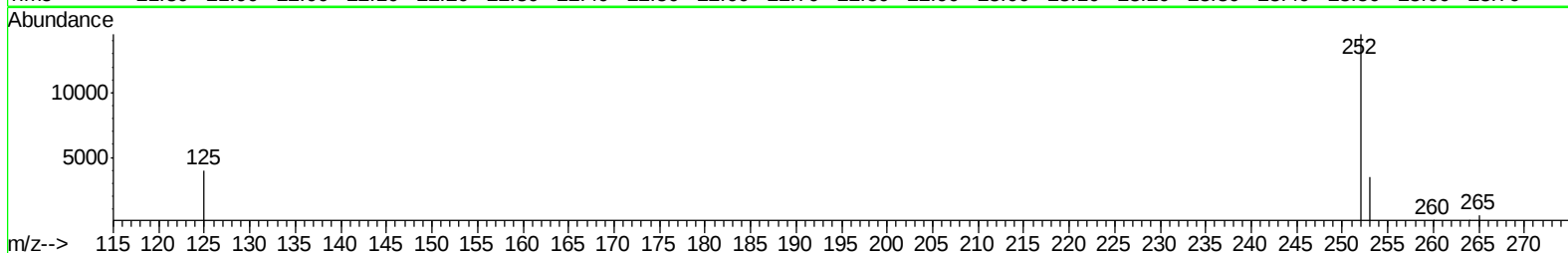
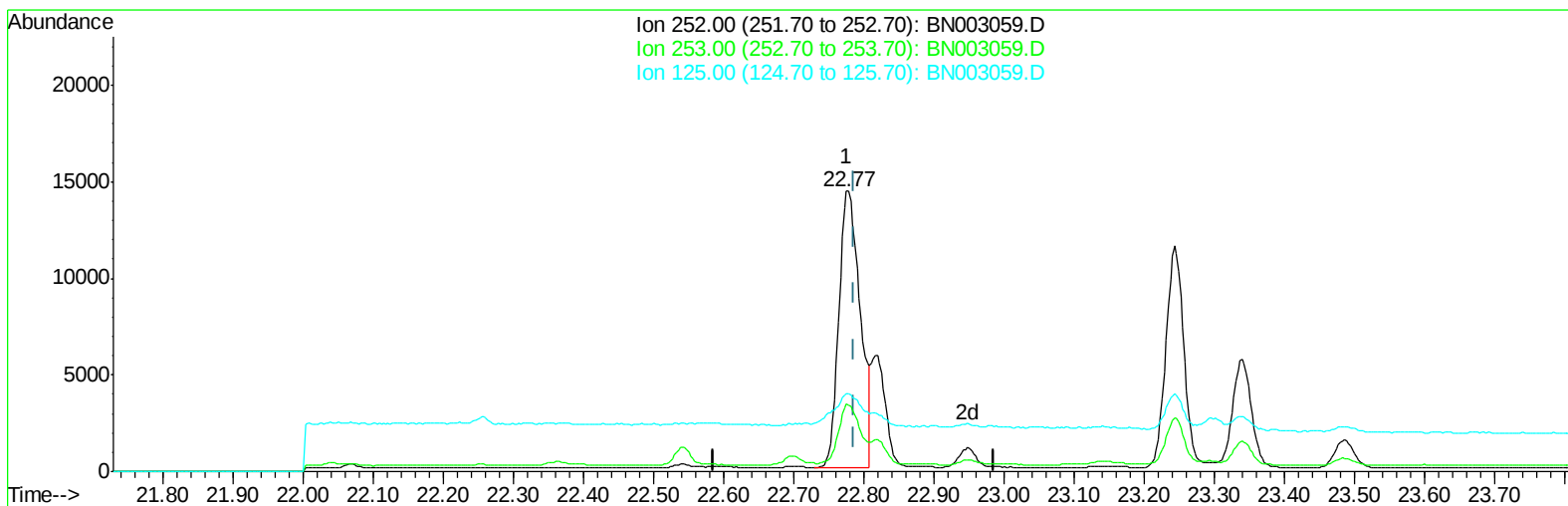
22.775min (-0.012) 1.14ng/ul m

response 30257

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 26.60 | 24.21 |
| 125.00 | 17.10 | 27.56 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101018\  
Data File : BN003059.D  
Acq On : 10 Oct 2018 10:10  
Operator : MJ/SJ  
Sample : J5115-13DL 5X  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 10 12:02:19 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN100918.M  
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QLast Update : Wed Oct 10 08:36:11 2018  
Response via : Initial Calibration



TIC: BN003059.D

(21) Benzo(b)fluoranthene

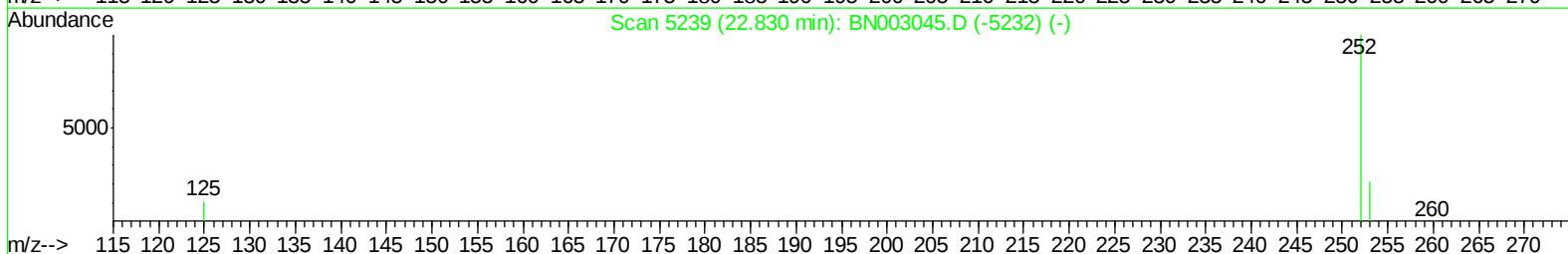
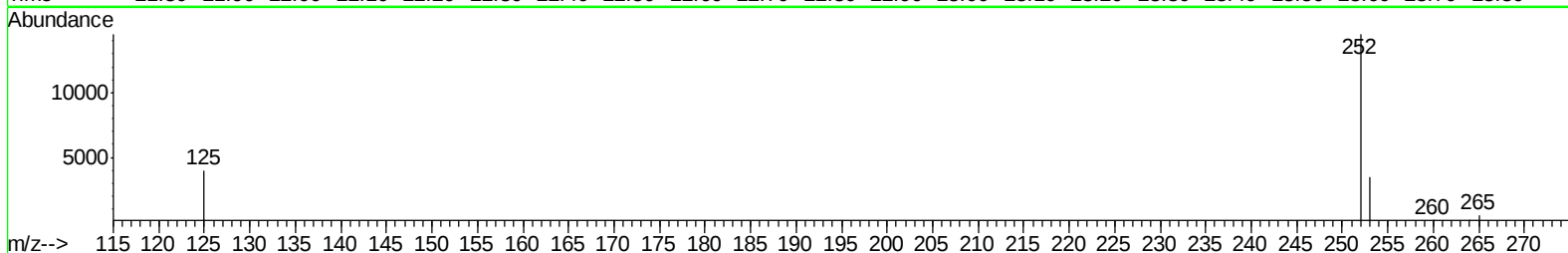
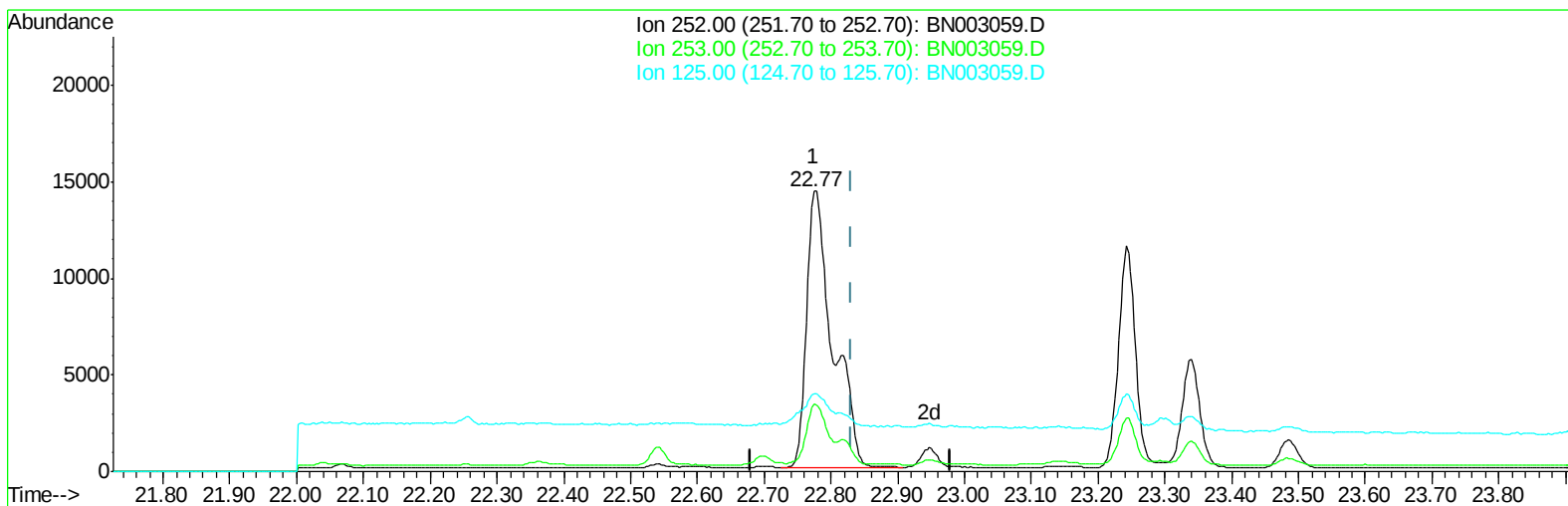
22.775min (-0.012) 1.14ng/ul m

response 30257

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 26.60 | 24.21 |
| 125.00 | 17.10 | 27.56 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101018\  
Data File : BN003059.D  
Acq On : 10 Oct 2018 10:10  
Operator : MJ/SJ  
Sample : J5115-13DL 5X  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 10 12:02:19 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN100918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 10 08:36:11 2018  
Response via : Initial Calibration



TIC: BN003059.D

(22) Benzo(k)fluoranthene

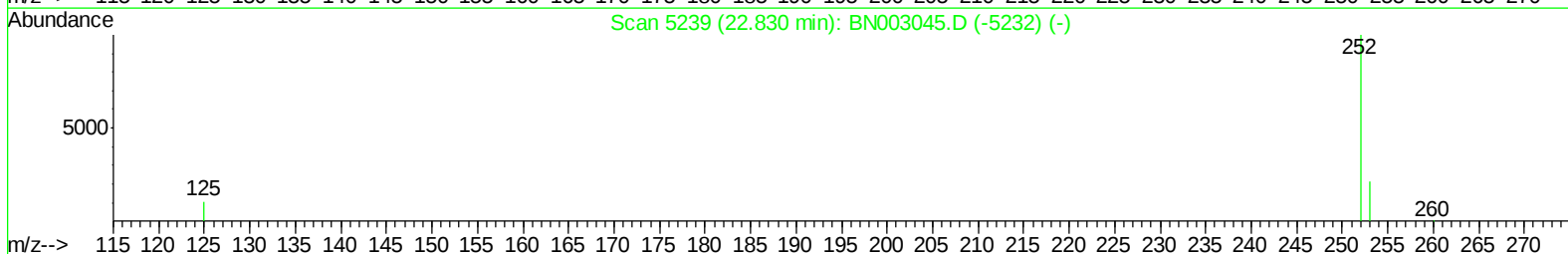
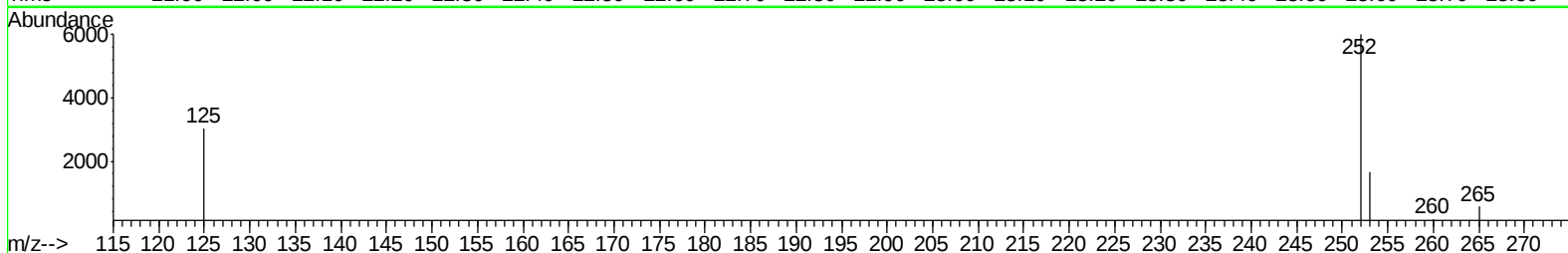
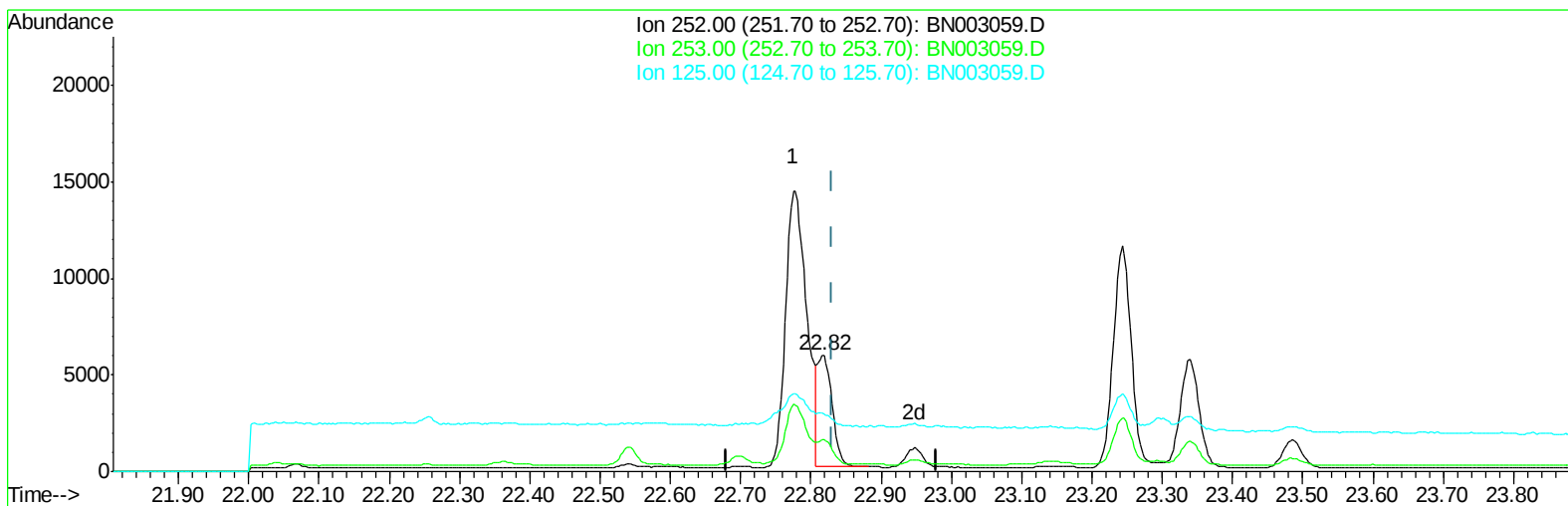
22.775min (-0.056) 1.40ng/ul

response 38579

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 26.60 | 24.21  |
| 125.00 | 17.60 | 27.56# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101018\  
Data File : BN003059.D  
Acq On : 10 Oct 2018 10:10  
Operator : MJ/SJ  
Sample : J5115-13DL 5X  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 10 12:02:19 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN100918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 10 08:36:11 2018  
Response via : Initial Calibration



TIC: BN003059.D

(22) Benzo(k)fluoranthene

22.816min (-0.015) 0.30ng/ul m

response 8204

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 26.60 | 27.34  |
| 125.00 | 17.60 | 50.39# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101018\  
 Data File : BN003059.D  
 Acq On : 10 Oct 2018 10:10  
 Operator : MJ/SJ  
 Sample : J5115-13DL 5X  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 10 12:04:53 2018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN100918.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Oct 10 08:36:11 2018

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.63  | 152  | 1797     | 0.40 | ng/ul | -0.02    |
| 2) Naphthalene-d8         | 10.40 | 136  | 7695     | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.26 | 164  | 4487     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.02 | 188  | 10425    | 0.40 | ng/ul | -0.01    |
| 16) Chrysene-d12          | 21.22 | 240  | 9039     | 0.40 | ng/ul | -0.01    |
| 20) Perylene-d12          | 23.44 | 264  | 7379     | 0.40 | ng/ul | 0.00     |

#### System Monitoring Compounds

|                            |       |     |      |      |       |       |
|----------------------------|-------|-----|------|------|-------|-------|
| 4) 2-Methylnaphthalene-d10 | 12.02 | 152 | 703  | 0.06 | ng/ul | 0.01  |
| 14) Fluoranthene-d10       | 19.05 | 212 | 1869 | 0.06 | ng/ul | -0.01 |

#### Target Compounds

|                            |       |     |        |       | Qvalue |    |
|----------------------------|-------|-----|--------|-------|--------|----|
| 5) 2-Methylnaphthalene     | 12.10 | 142 | 281    | 0.021 | ng/ul  | 97 |
| 12) Phenanthrene           | 17.06 | 178 | 6624   | 0.228 | ng/ul  | 98 |
| 13) Anthracene             | 17.15 | 178 | 1616   | 0.059 | ng/ul# | 89 |
| 15) Fluoranthene           | 19.09 | 202 | 25403  | 0.745 | ng/ul  | 99 |
| 17) Pyrene                 | 19.45 | 202 | 28303  | 0.806 | ng/ul  | 97 |
| 18) Benzo(a)anthracene     | 21.21 | 228 | 14678  | 0.505 | ng/ul  | 97 |
| 19) Chrysene               | 21.26 | 228 | 31630  | 1.071 | ng/ul  | 99 |
| 21) Benzo(b)fluoranthene   | 22.77 | 252 | 30257m | 1.139 | ng/ul  |    |
| 22) Benzo(k)fluoranthene   | 22.82 | 252 | 8204m  | 0.298 | ng/ul  |    |
| 23) Benzo(a)pyrene         | 23.34 | 252 | 10608  | 0.445 | ng/ul# | 73 |
| 24) Indeno(1,2,3-cd)pyrene | 25.65 | 276 | 11658  | 0.426 | ng/ul# | 93 |
| 25) Dibenzo(a,h)anthracene | 25.64 | 278 | 2860   | 0.131 | ng/ul# | 42 |
| 26) Benzo(g,h,i)perylene   | 26.32 | 276 | 12232  | 0.530 | ng/ul  | 97 |

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

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