

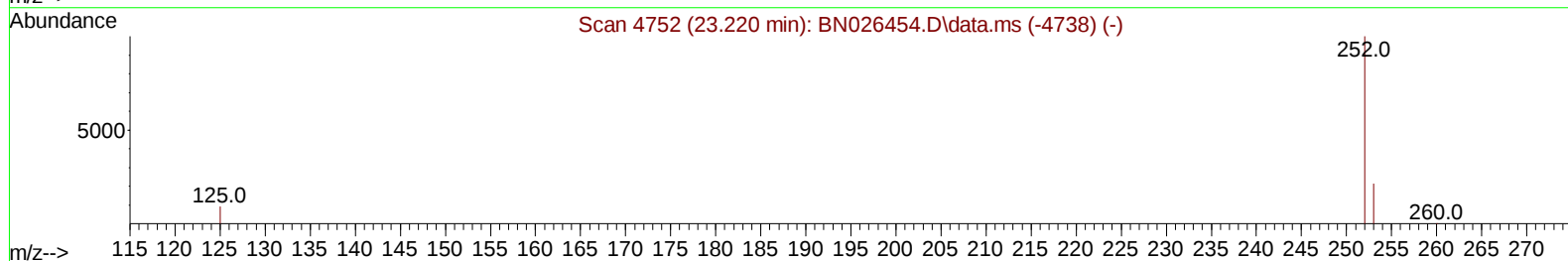
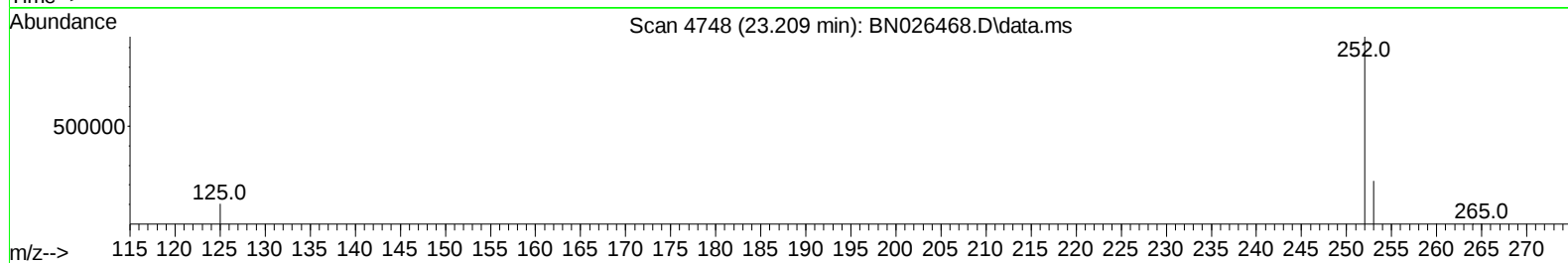
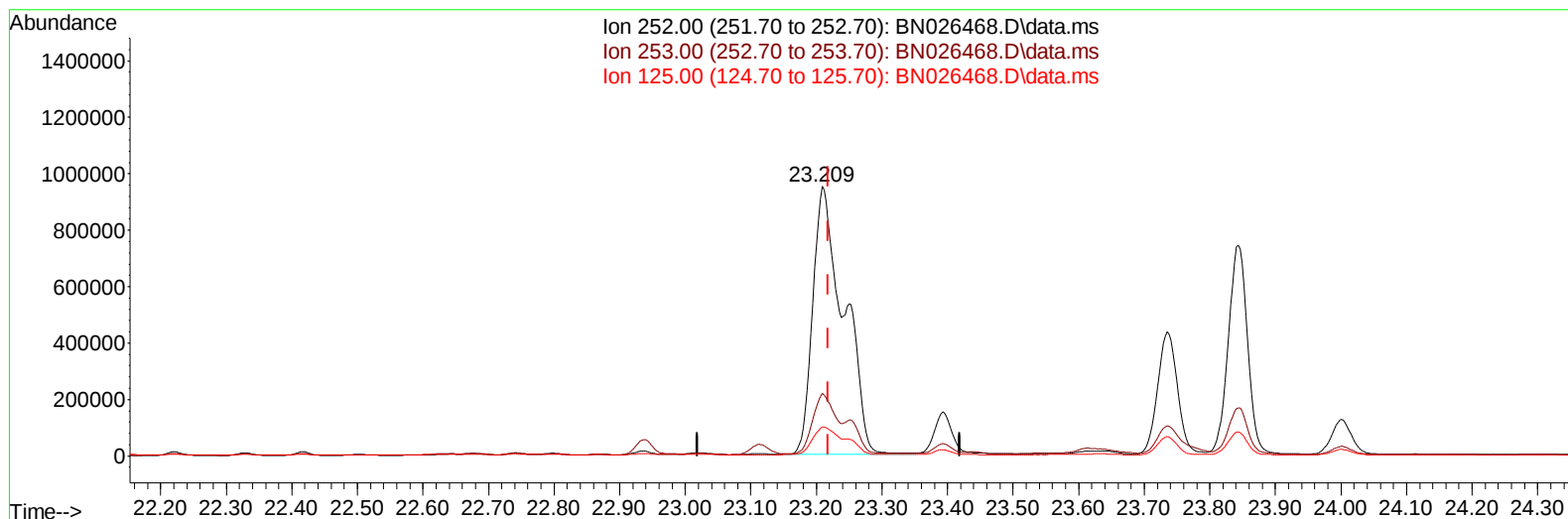
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071123\  
Data File : BN026468.D  
Acq On : 11 Jul 2023 18:22  
Operator : MA/JU  
Sample : 03414-16  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A46E6

Manual IntegrationsAPPROVED

Quant Time: Jul 12 02:13:02 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN062223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun Jul 09 15:51:14 2023  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/12/2023  
Supervised By :mohammad ahmed 07/12/2023



TIC: BN026468.D\data.ms

(24) Benzo(b)fluoranthene

23.209min (-0.010) 40.13 ng/u1

response 3146114

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 27.80  | 23.22  |
| 125.00 | 17.90  | 10.81  |
| 0.00   | 0.00   | 0.00   |

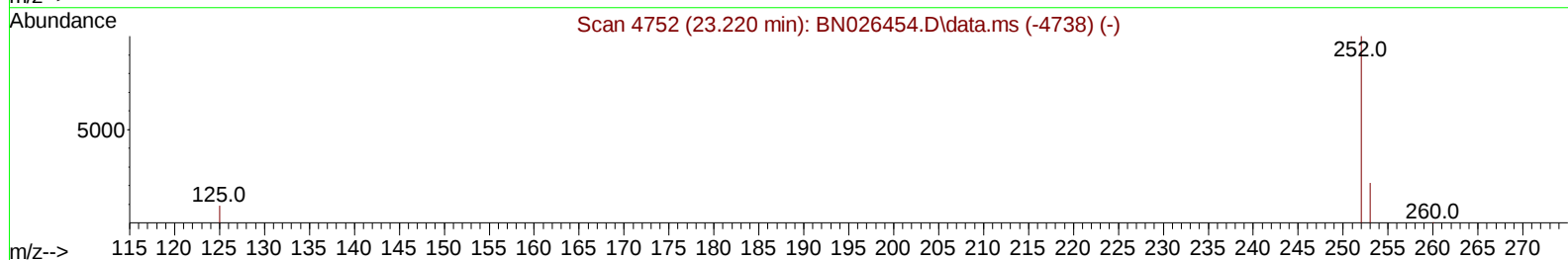
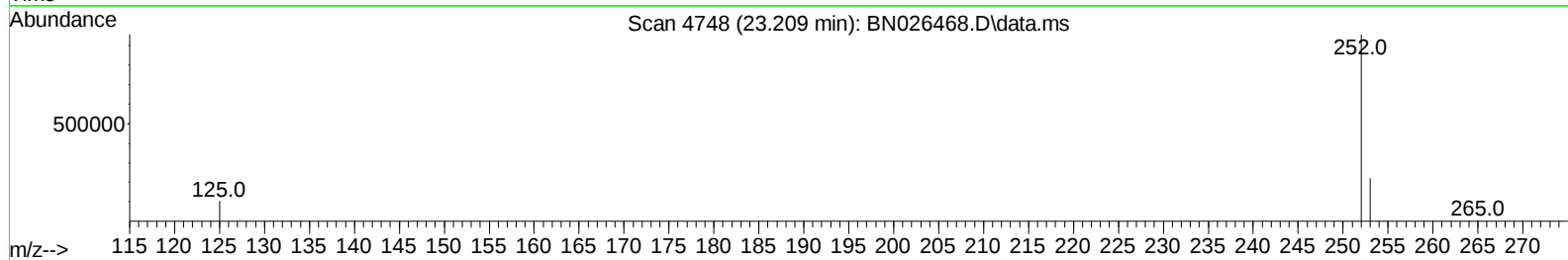
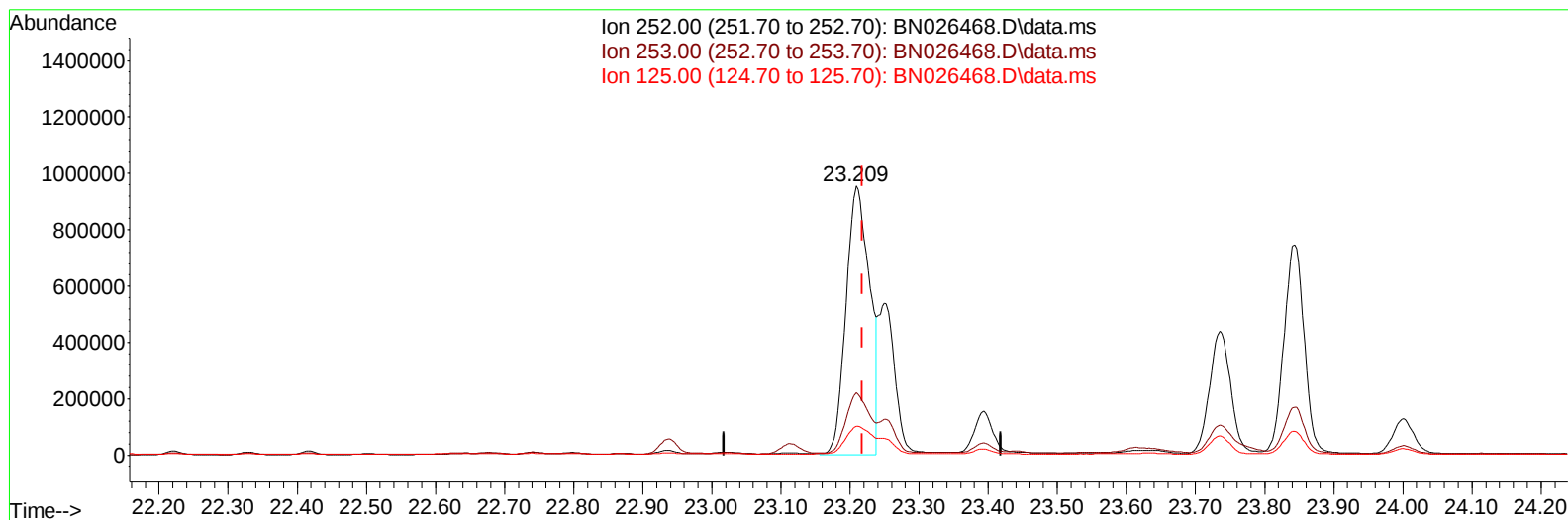
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071123\  
 Data File : BN026468.D  
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 Operator : MA/JU  
 Sample : 03414-16  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_N  
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Manual IntegrationsAPPROVED

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TIC: BN026468.D\data.ms

**(24) Benzo(b)fluoranthene**

23.209min (-0.010) 29.01 ng/ul m

response 2274041

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 27.80  | 23.22  |
| 125.00 | 17.90  | 10.81  |
| 0.00   | 0.00   | 0.00   |

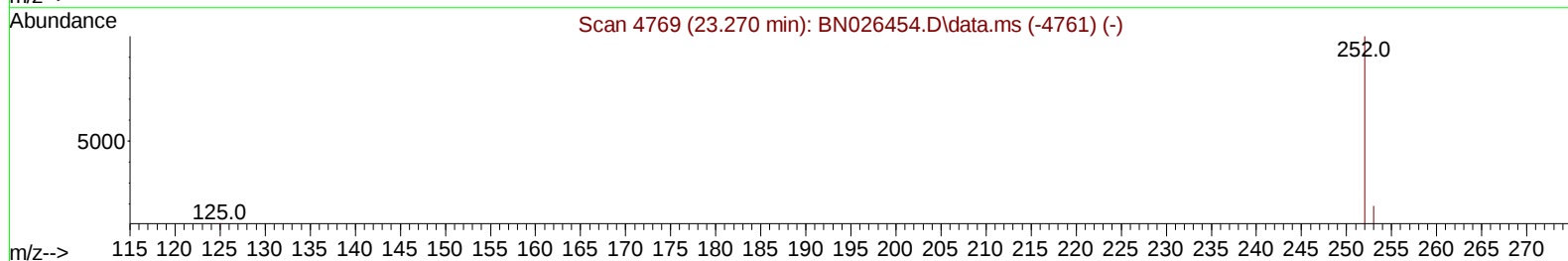
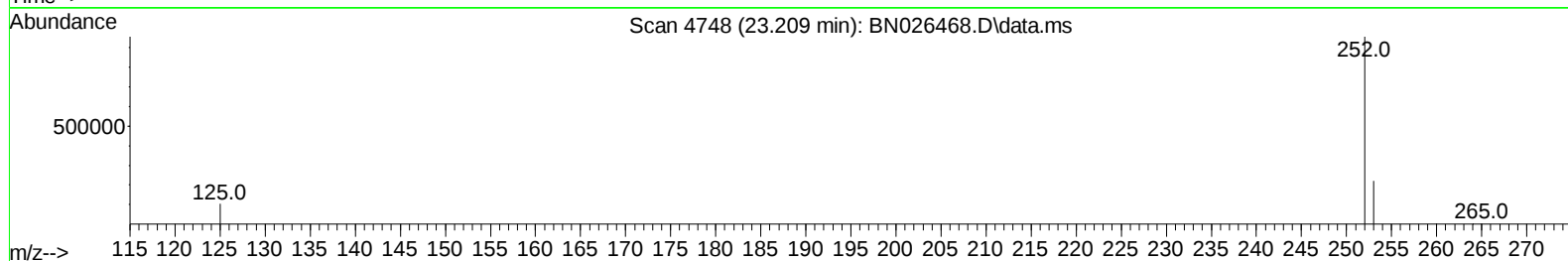
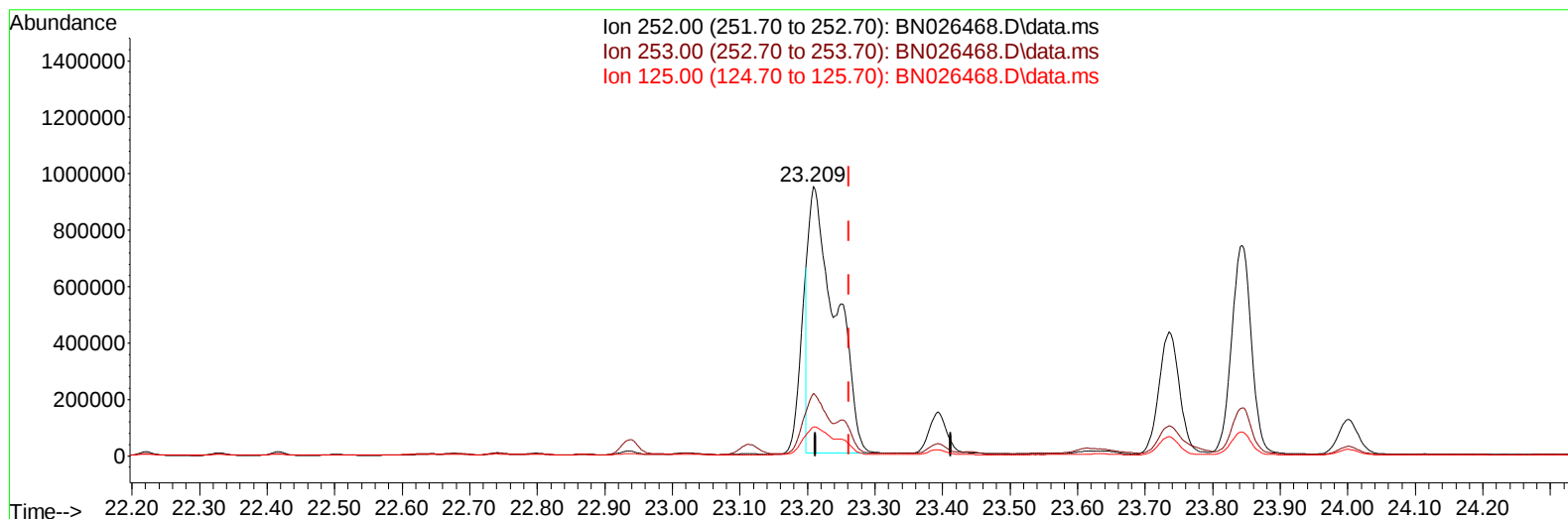
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071123\  
 Data File : BN026468.D  
 Acq On : 11 Jul 2023 18:22  
 Operator : MA/JU  
 Sample : 03414-16  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A46E6

Manual IntegrationsAPPROVED

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TIC: BN026468.D\data.ms

**(25) Benzo(k)fluoranthene**

23.209min (-0.053) 33.74 ng/u1

response 2656207

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 29.00  | 23.22  |
| 125.00 | 18.70  | 10.81# |
| 0.00   | 0.00   | 0.00   |

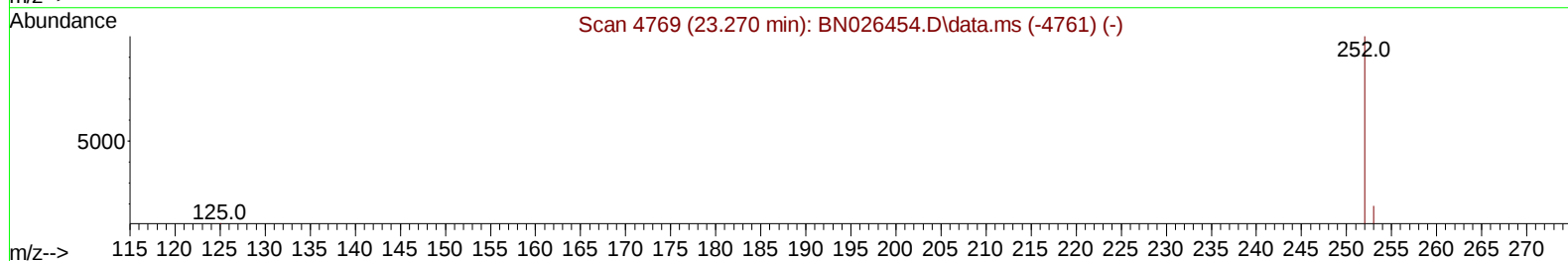
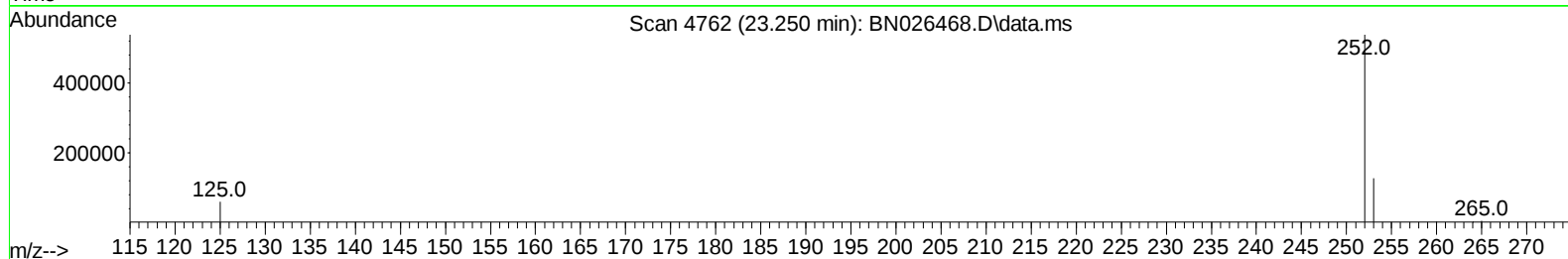
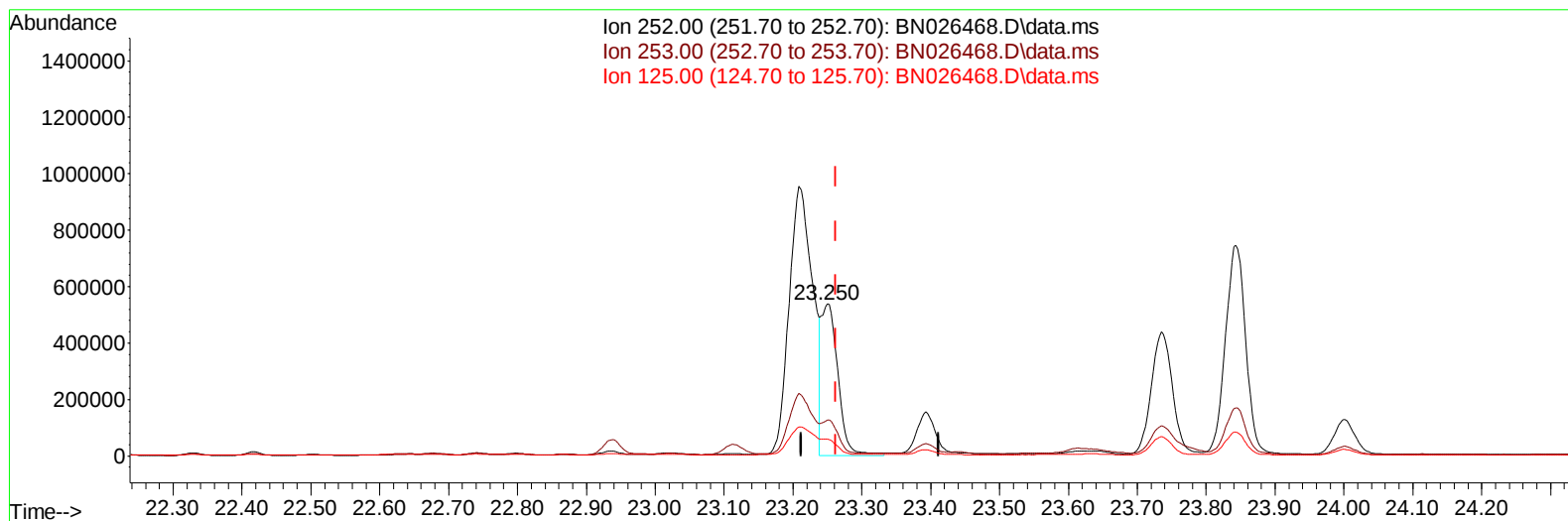
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 Acq On : 11 Jul 2023 18:22  
 Operator : MA/JU  
 Sample : 03414-16  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_N  
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Manual IntegrationsAPPROVED

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TIC: BN026468.D\data.ms

(25) Benzo(k)fluoranthene

23.250min (-0.012) 11.45 ng/ul m

response 900948

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 29.00  | 23.57  |
| 125.00 | 18.70  | 11.01# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071123\  
 Data File : BN026468.D  
 Acq On : 11 Jul 2023 18:22  
 Operator : MA/JU  
 Sample : 03414-16  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A46E6

## Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 07/12/2023

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| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.917  | 152  | 4283     | 0.400  | ng/ul  | -0.02    |
| 4) Naphthalene-d8           | 10.719 | 136  | 11825    | 0.400  | ng/ul  | -0.02    |
| 9) Acenaphthene-d10         | 14.556 | 164  | 8087     | 0.400  | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.308 | 188  | 23771    | 0.400  | ng/ul  | -0.02    |
| 17) Chrysene-d12            | 21.511 | 240  | 12542    | 0.400  | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.948 | 264  | 18366    | 0.400  | ng/ul  | #-0.02   |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.297  | 96   | 4027     | 0.835  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.314 | 152  | 1115     | 0.061  | ng/ul  | -0.02    |
| 18) Fluoranthene-d10        | 19.339 | 212  | 2733     | 0.057  | ng/ul  | -0.01    |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        | Qvalue |          |
| 5) Naphthalene              | 10.769 | 128  | 211522   | 6.241  | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.386 | 142  | 41942    | 1.943  | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.606 | 142  | 29458    | 1.317  | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.278 | 152  | 24828    | 0.656  | ng/ul# | 95       |
| 11) Acenaphthene            | 14.621 | 153  | 490308   | 15.828 | ng/ul  | 98       |
| 12) Fluorene                | 15.606 | 166  | 298280   | 8.399  | ng/ul  | 100      |
| 15) Phenanthrene            | 17.355 | 178  | 3762887  | 47.924 | ng/ul  | 100      |
| 16) Anthracene              | 17.444 | 178  | 633688   | 9.080  | ng/ul  | 100      |
| 19) Fluoranthene            | 19.377 | 202  | 4830952  | 72.115 | ng/ul# | 92       |
| 20) Pyrene                  | 19.739 | 202  | 4516183  | 64.816 | ng/ul  | 94       |
| 21) Benzo(a)anthracene      | 21.493 | 228  | 2049501  | 39.612 | ng/ul  | 97       |
| 22) Chrysene                | 21.549 | 228  | 2135140  | 39.660 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 23.209 | 252  | 2274041m | 29.010 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.250 | 252  | 900948m  | 11.445 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.843 | 252  | 1517651  | 22.291 | ng/ul# | 81       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.490 | 276  | 1006908  | 13.540 | ng/ul# | 86       |
| 28) Dibenzo(a,h)anthracene  | 26.493 | 278  | 269328   | 4.785  | ng/ul  | 94       |
| 29) Benzo(g,h,i)perylene    | 27.274 | 276  | 150642   | 2.277  | ng/ul  | 95       |
| -----                       |        |      |          |        |        |          |

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

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