

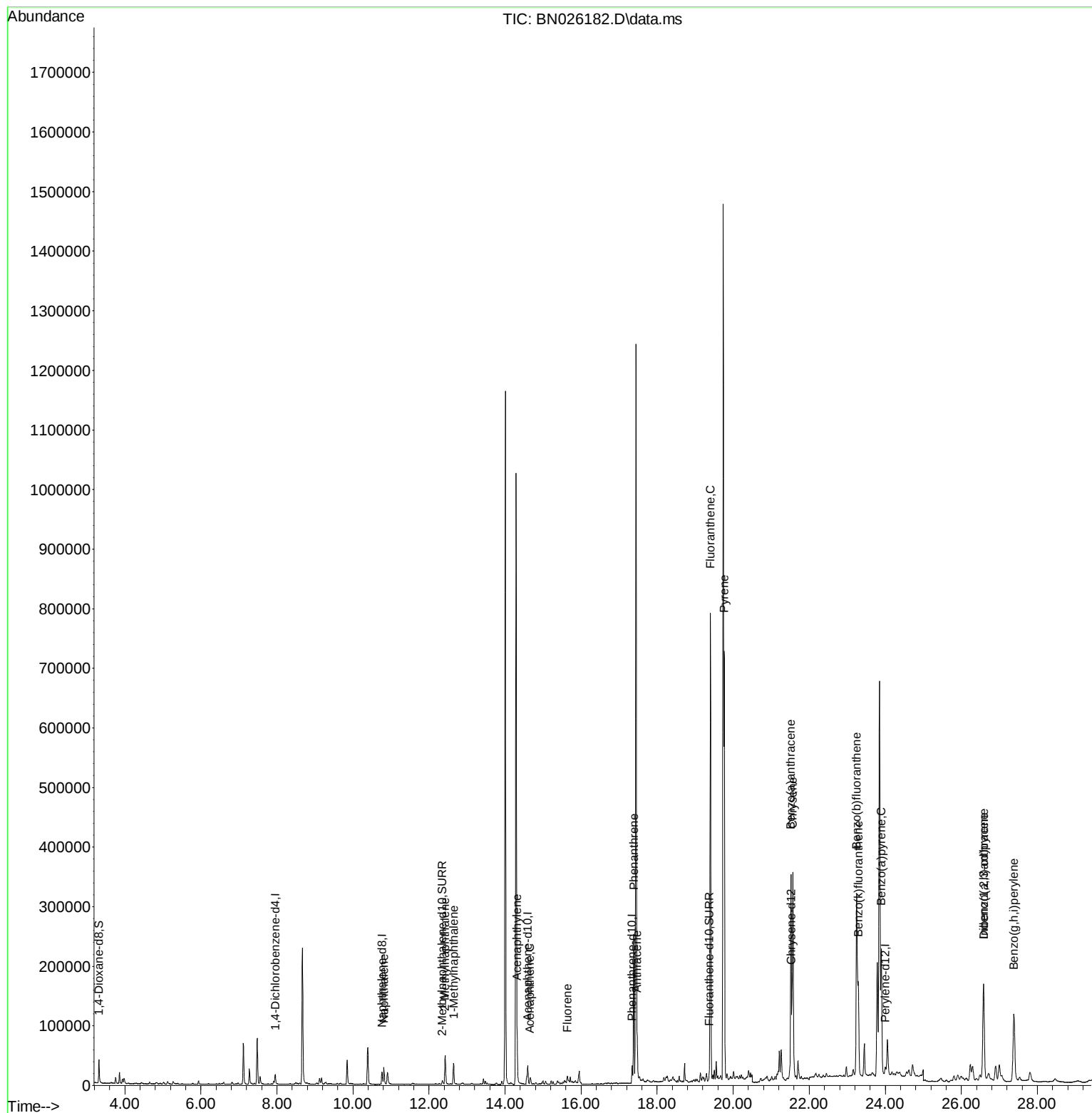
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070223\  
Data File : BN026182.D  
Acq On : 02 Jul 2023 10:52  
Operator : MA/JU  
Sample : 03247-04  
Misc :  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DCGL0

## Manual IntegrationsAPPROVED

Quant Time: Jul 02 11:39:42 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 : Sat Jul 01 01:46:24 2023  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/03/2023  
Supervised By :mohammad ahmed 07/03/2023



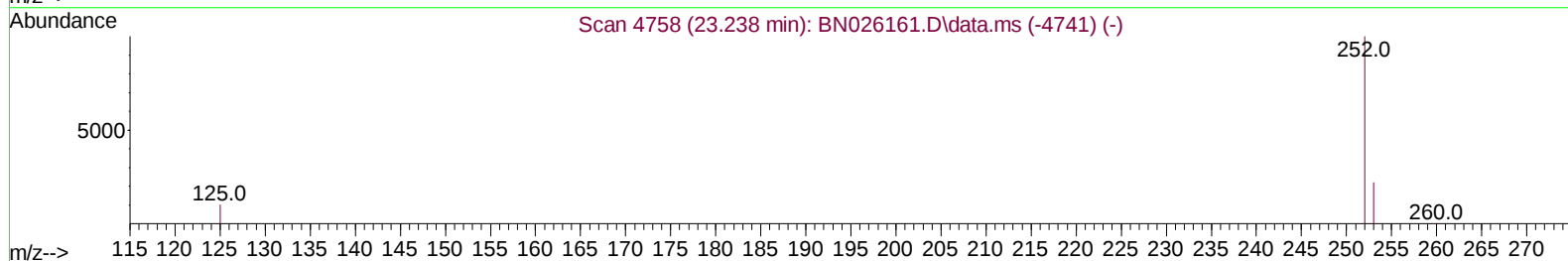
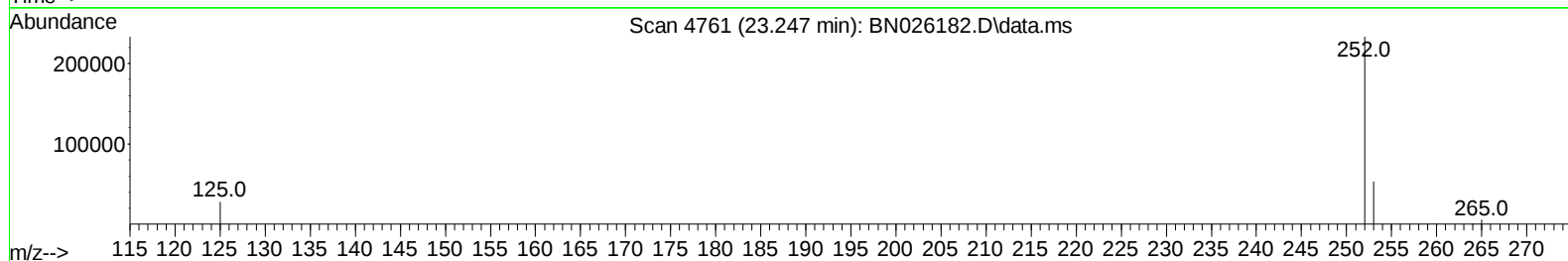
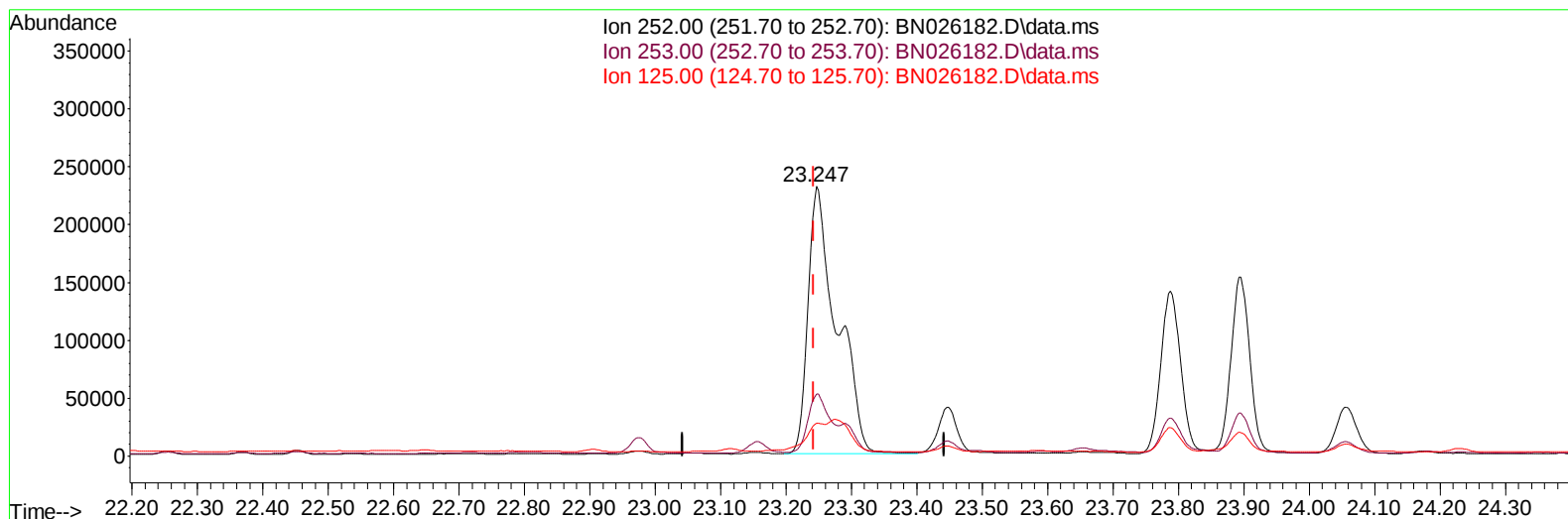
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(24) Benzo(b)fluoranthene

23.247min (+ 0.004) 9.07 ng/u1

response 708755

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 27.80  | 23.06  |
| 125.00 | 17.90  | 12.18  |
| 0.00   | 0.00   | 0.00   |

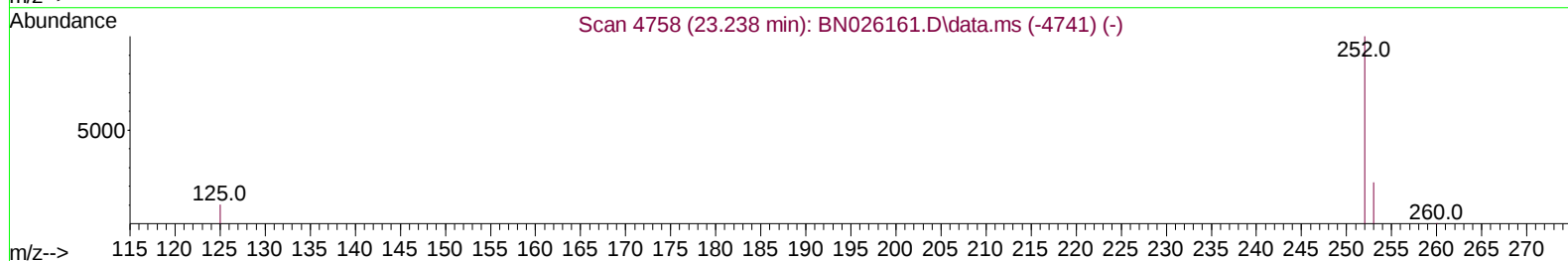
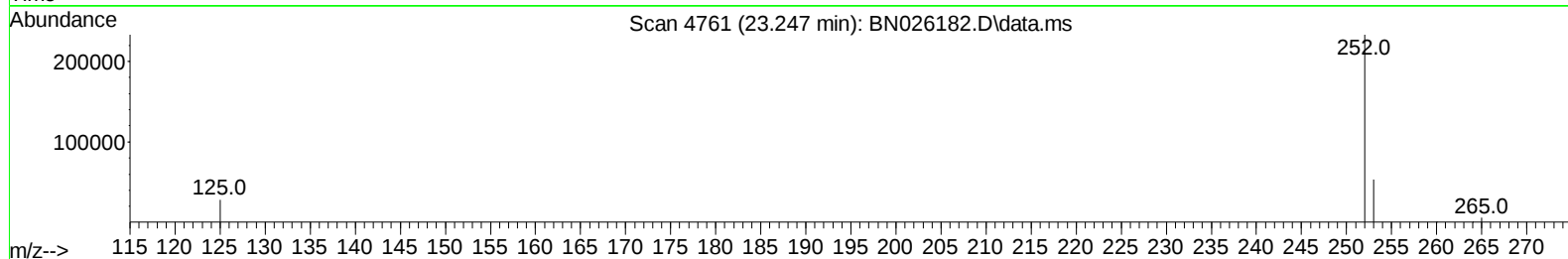
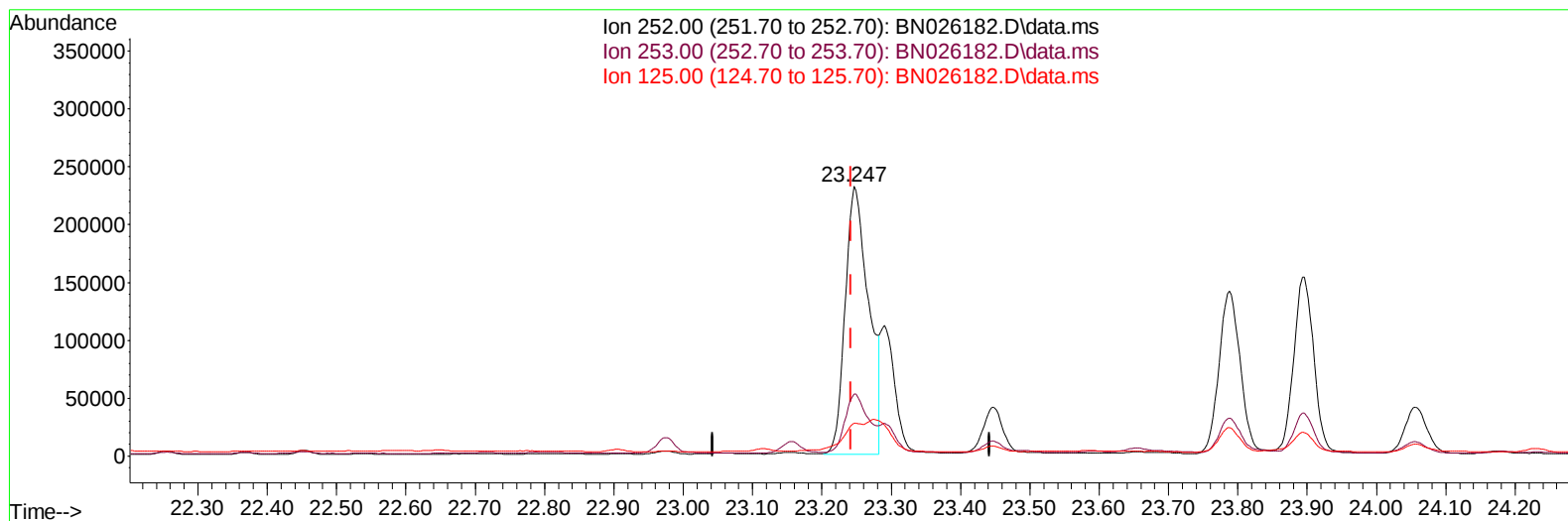
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**(24) Benzo(b)fluoranthene**

23.247min (+ 0.004) 7.01 ng/u1 m

response 547704

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 27.80  | 23.06  |
| 125.00 | 17.90  | 12.18  |
| 0.00   | 0.00   | 0.00   |

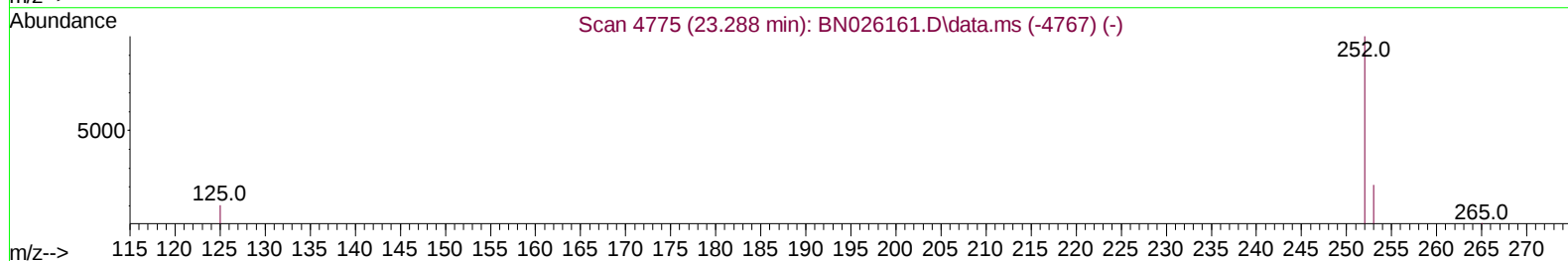
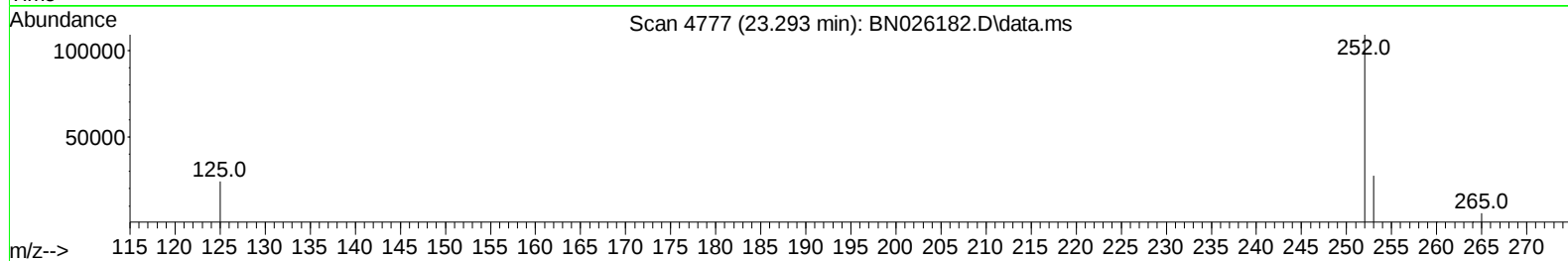
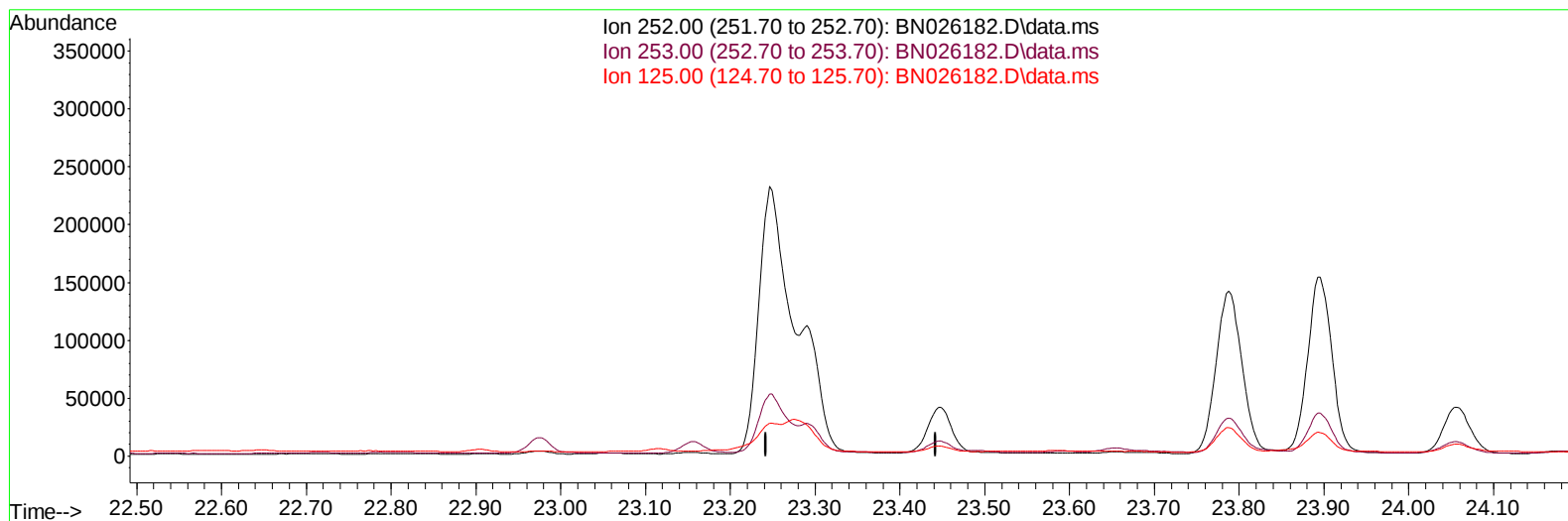
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(25) Benzo(k)fluoranthene

23.292min (-23.292) 0.00 ng/u1

response 0

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

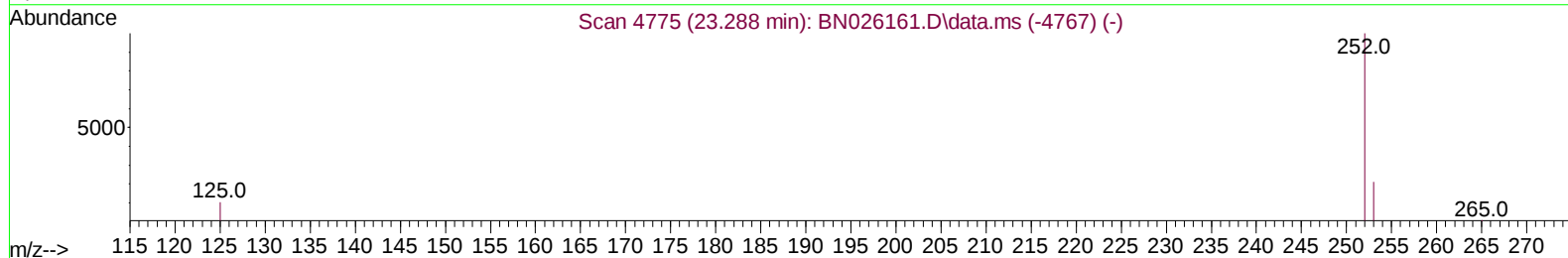
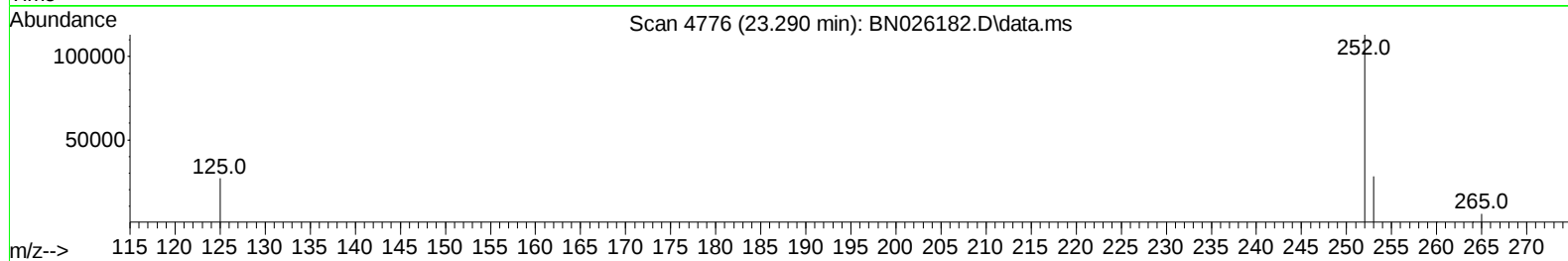
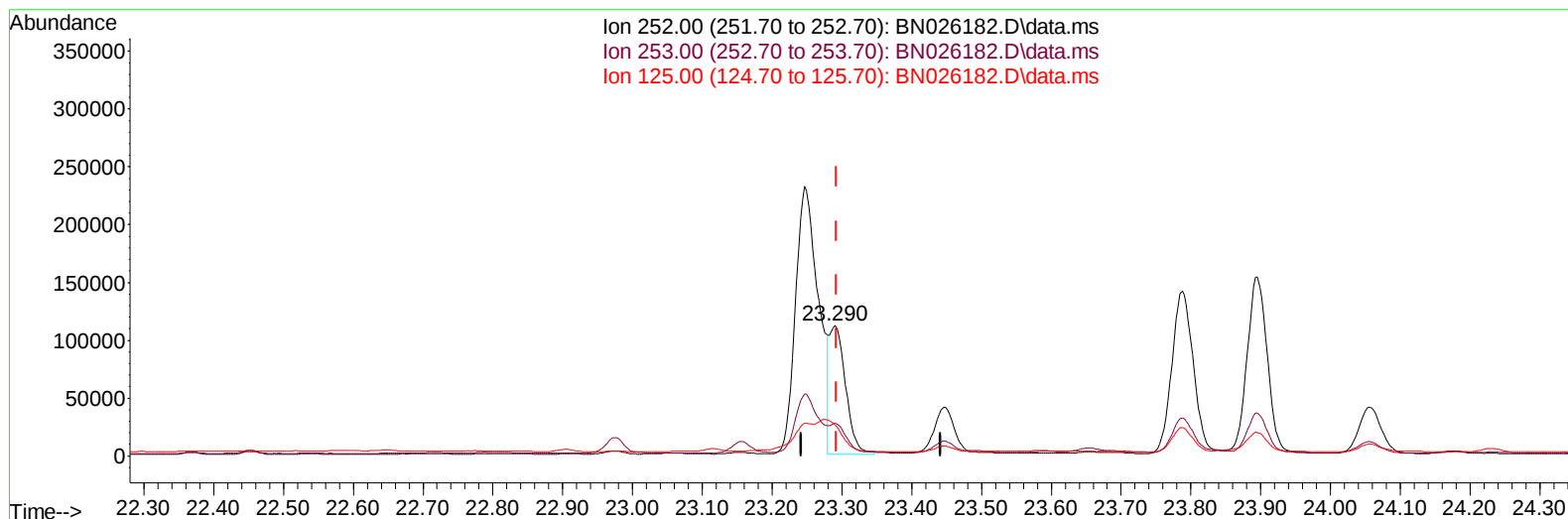
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 ALS Vial : 39 Sample Multiplier: 1

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TIC: BN026182.D\data.ms

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

23.290min (-0.002) 2.32 ng/u1 m

response 182155

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 29.00  | 24.86  |
| 125.00 | 18.70  | 23.69# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070223\  
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 Operator : MA/JU  
 Sample : 03247-04  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DCGL0

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| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.955  | 152  | 9100     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.763 | 136  | 29190    | 0.400 | ng/ul  | #-0.01   |
| 9) Acenaphthene-d10         | 14.597 | 164  | 17873    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.342 | 188  | 34723    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.534 | 240  | 18631    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 24.001 | 264  | 18317    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.318  | 96   | 26770    | 2.612 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.353 | 152  | 8997     | 0.200 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 19.372 | 212  | 17196    | 0.243 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.813 | 128  | 41347    | 0.494 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.424 | 142  | 36072    | 0.677 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.644 | 142  | 25100    | 0.455 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.315 | 152  | 70280    | 0.840 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.658 | 153  | 7317     | 0.107 | ng/ul  | 96       |
| 12) Fluorene                | 15.643 | 166  | 7885     | 0.100 | ng/ul# | 89       |
| 15) Phenanthrene            | 17.384 | 178  | 265522   | 2.315 | ng/ul  | 100      |
| 16) Anthracene              | 17.477 | 178  | 70978    | 0.696 | ng/ul  | 98       |
| 19) Fluoranthene            | 19.400 | 202  | 695427   | 6.988 | ng/ul  | 99       |
| 20) Pyrene                  | 19.767 | 202  | 602201   | 5.818 | ng/ul  | 95       |
| 21) Benzo(a)anthracene      | 21.516 | 228  | 309021   | 4.021 | ng/ul  | 97       |
| 22) Chrysene                | 21.569 | 228  | 368708   | 4.610 | ng/ul# | 94       |
| 24) Benzo(b)fluoranthene    | 23.247 | 252  | 547704m  | 7.006 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.290 | 252  | 182155m  | 2.320 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.896 | 252  | 307045   | 4.522 | ng/ul# | 84       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.587 | 276  | 254728   | 3.435 | ng/ul# | 86       |
| 28) Dibenzo(a,h)anthracene  | 26.587 | 278  | 63248    | 1.127 | ng/ul  | 98       |
| 29) Benzo(g,h,i)perylene    | 27.388 | 276  | 249046   | 3.775 | ng/ul  | 94       |
| -----                       |        |      |          |       |        |          |

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