

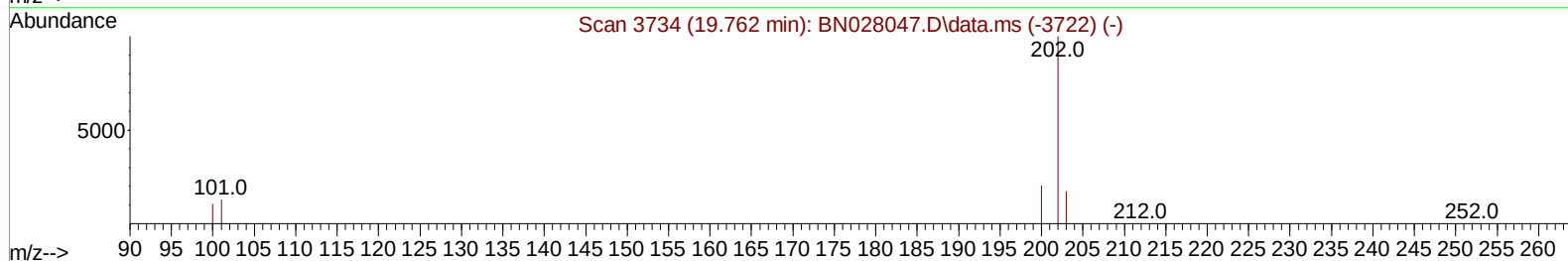
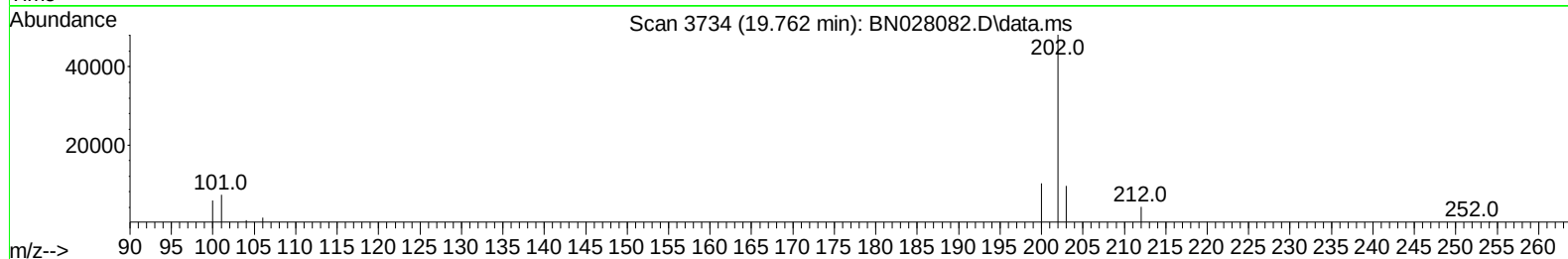
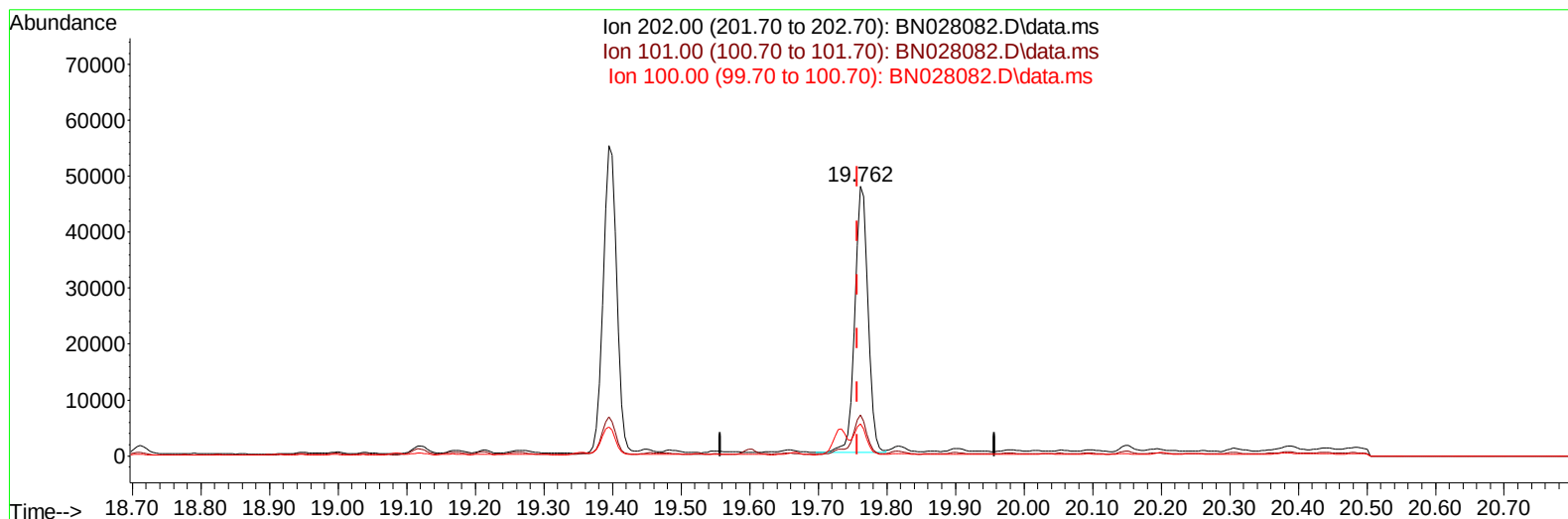
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN100523\  
Data File : BN028082.D  
Acq On : 06 Oct 2023 13:25  
Operator : MA/JU  
Sample : 04527-13DL 5X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
EZY6DL

Manual IntegrationsAPPROVED

Quant Time: Oct 07 00:30:39 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN100323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 06 05:15:40 2023  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/08/2023  
Supervised By :mohammad ahmed 10/08/2023



TIC: BN028082.D\data.ms

(20) Pyrene

19.762min (+ 0.005) 0.59 ng/u1

response 64072

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 14.00  | 15.22  |
| 100.00 | 11.40  | 11.94  |
| 0.00   | 0.00   | 0.00   |

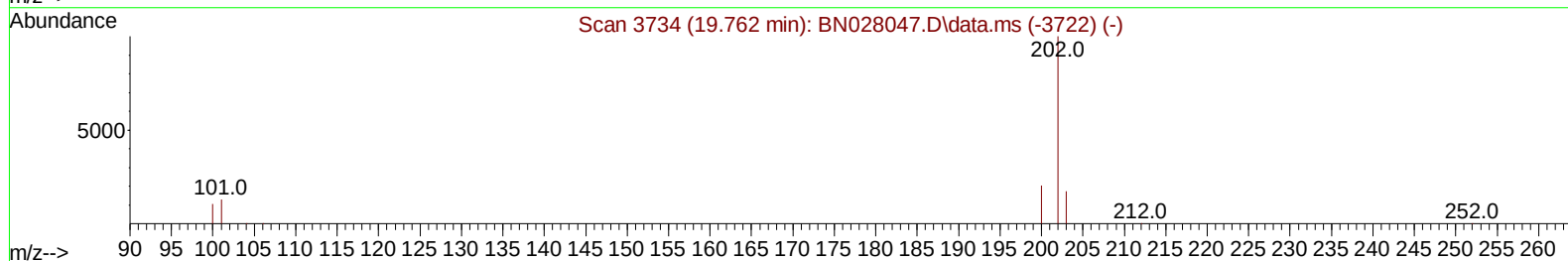
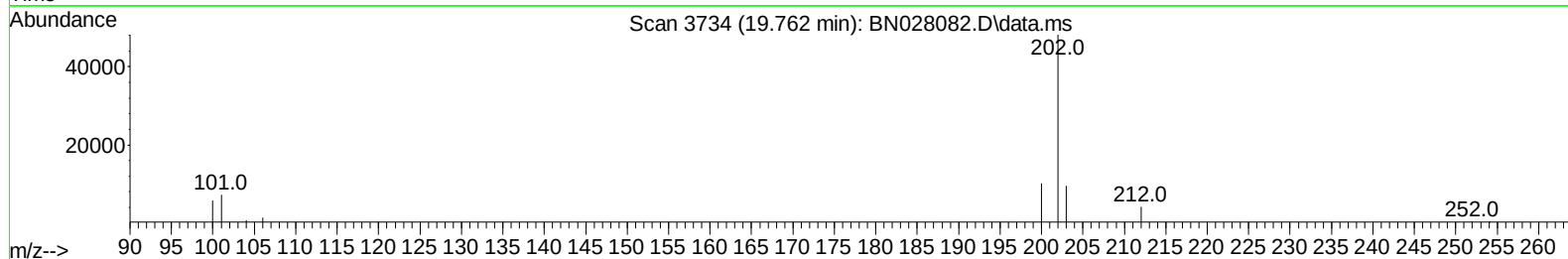
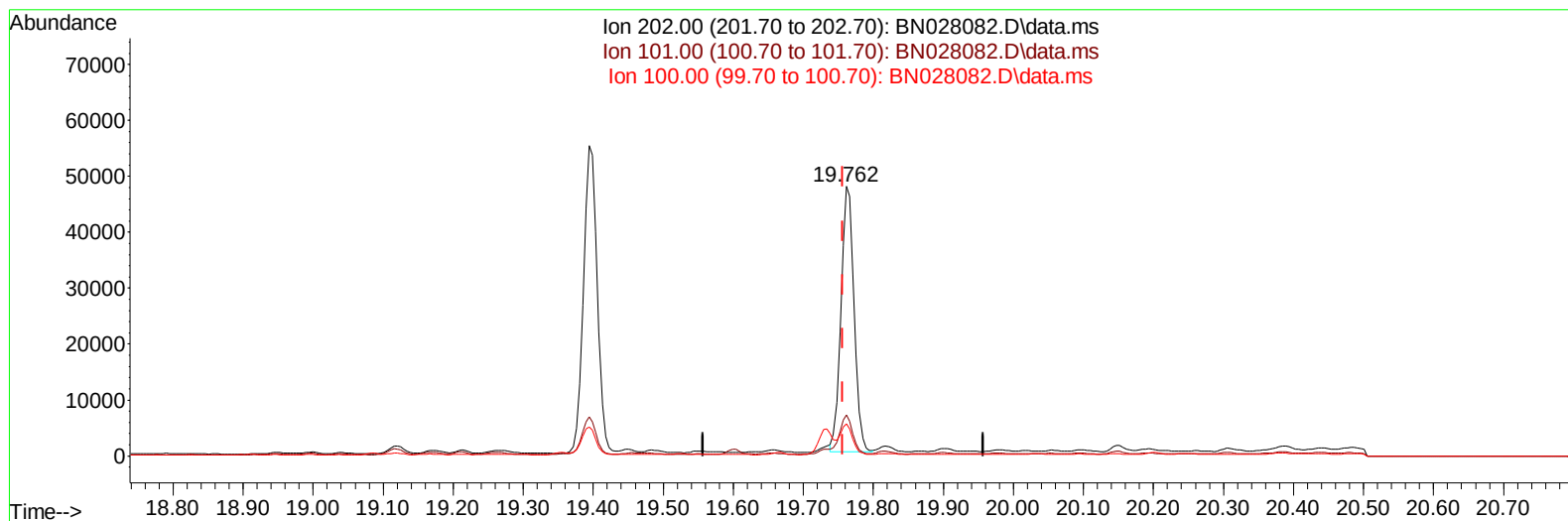
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN100523\  
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Operator : MA/JU  
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Instrument :  
BNA\_N  
ClientSampleId :  
EZY6DL

Manual IntegrationsAPPROVED

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TIC: BN028082.D\data.ms

(20) Pyrene

19.762min (+ 0.005) 0.57 ng/ul m

response 62294

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 14.00  | 15.22  |
| 100.00 | 11.40  | 11.94  |
| 0.00   | 0.00   | 0.00   |

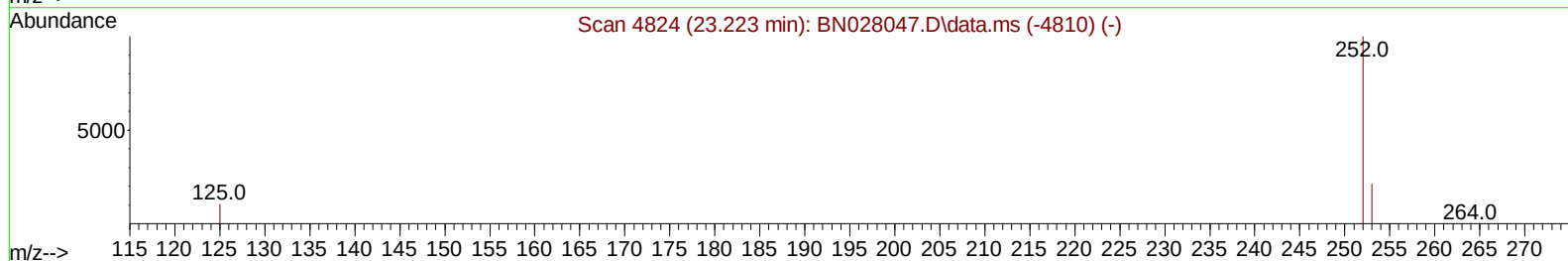
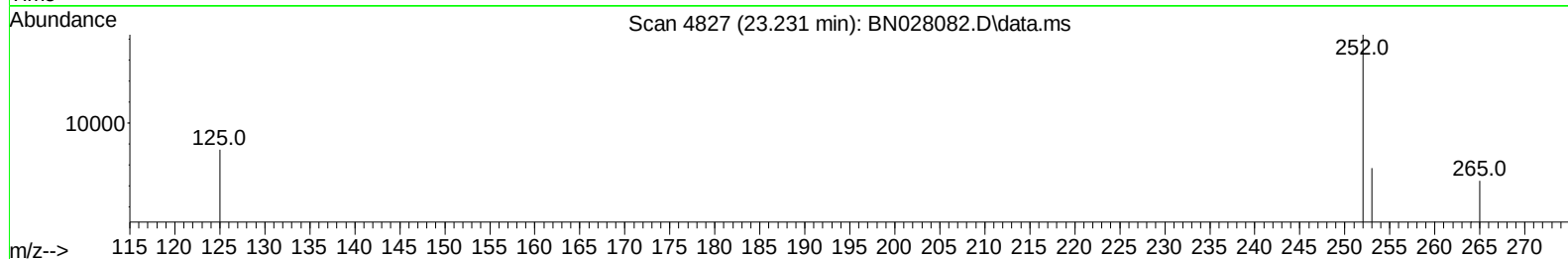
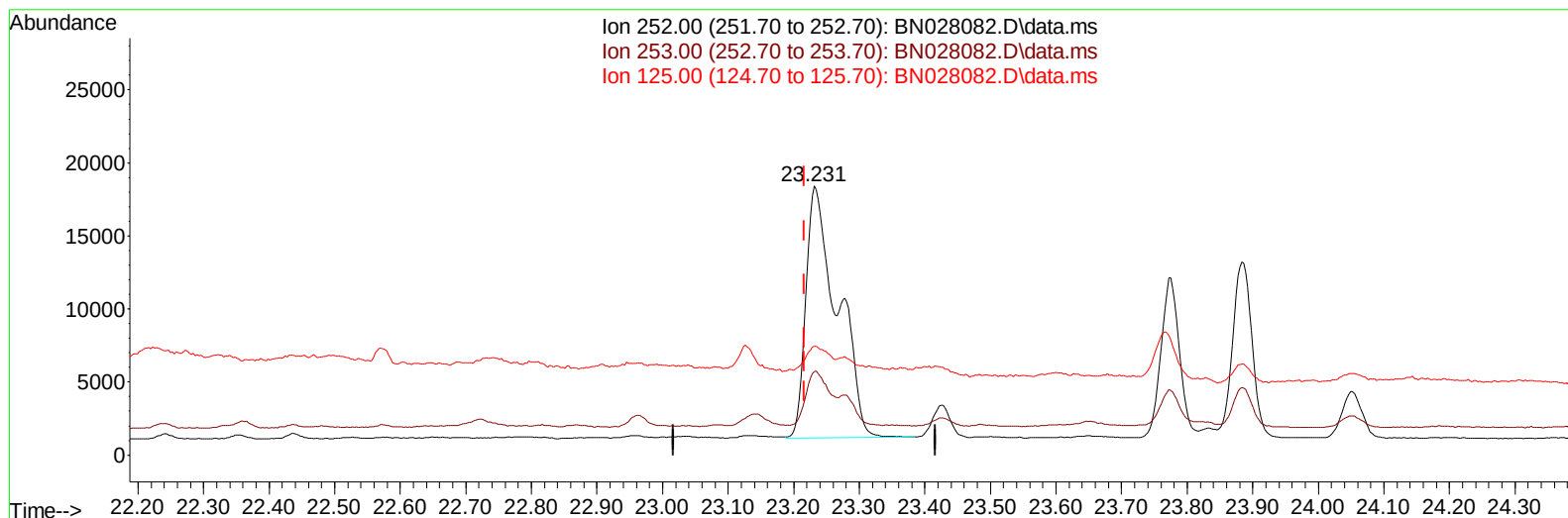
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN100523\  
 Data File : BN028082.D  
 Acq On : 06 Oct 2023 13:25  
 Operator : MA/JU  
 Sample : 04527-13DL 5X  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EZYY6DL

Manual IntegrationsAPPROVED

Quant Time: Oct 07 00:30:39 2023  
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TIC: BN028082.D\data.ms

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

**23.231min (+ 0.015) 0.52 ng/u1**

**response 57695**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 27.00  | 31.11  |
| 125.00 | 15.70  | 40.49# |
| 0.00   | 0.00   | 0.00   |

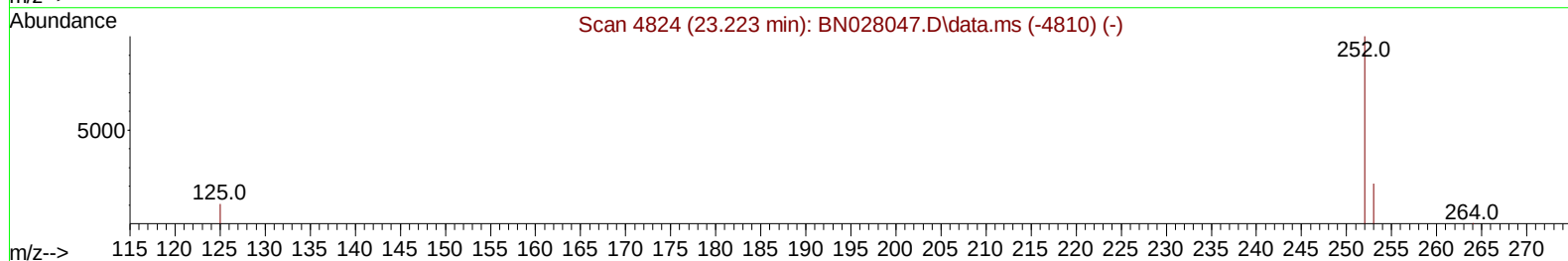
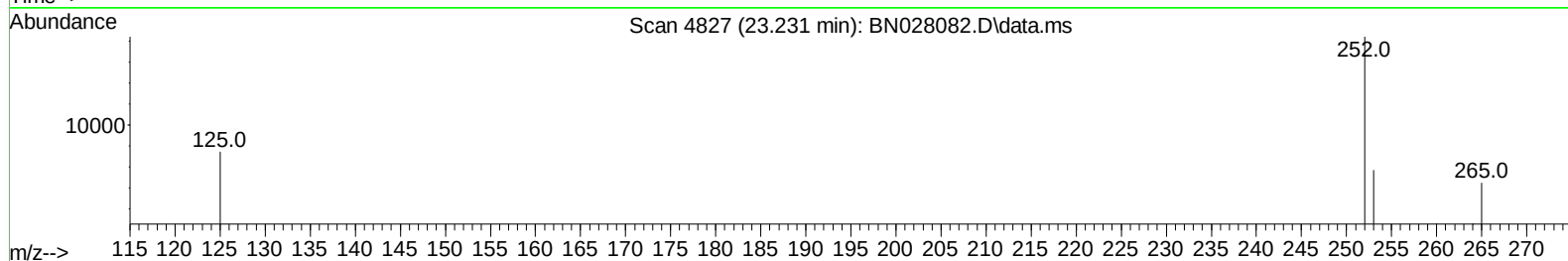
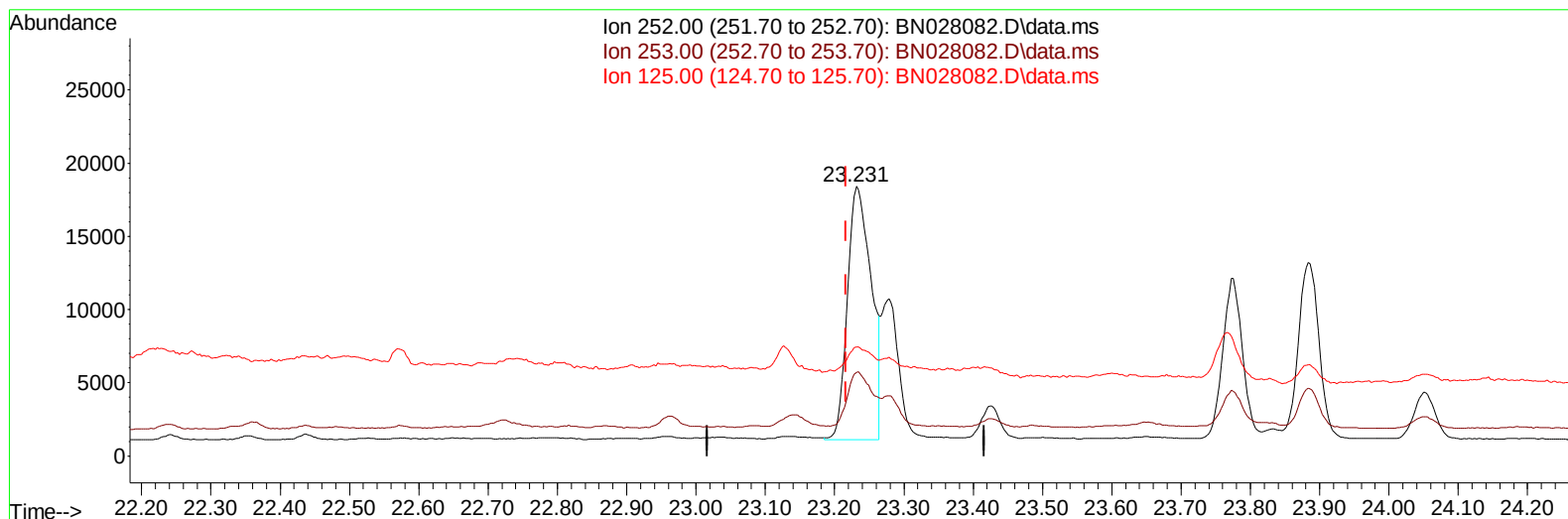
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN100523\  
Data File : BN028082.D  
Acq On : 06 Oct 2023 13:25  
Operator : MA/JU  
Sample : 04527-13DL 5X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
EZY6DL

Manual IntegrationsAPPROVED

Quant Time: Oct 07 00:30:39 2023  
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TIC: BN028082.D\data.ms

(24) Benzo(b)fluoranthene

23.231min (+ 0.015) 0.37 ng/ul m

response 41365

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 27.00  | 31.11  |
| 125.00 | 15.70  | 40.49# |
| 0.00   | 0.00   | 0.00   |

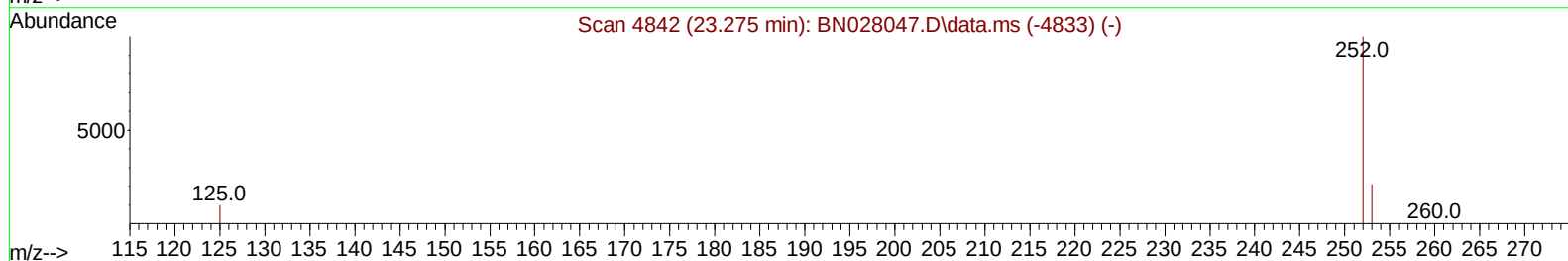
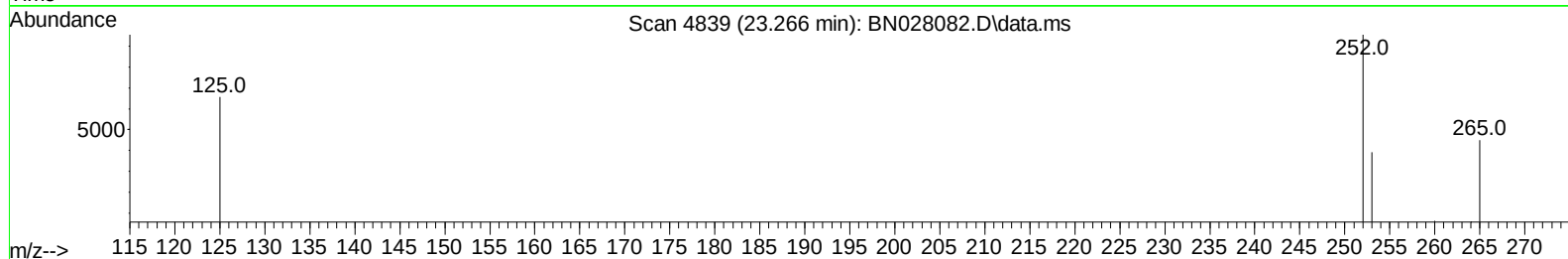
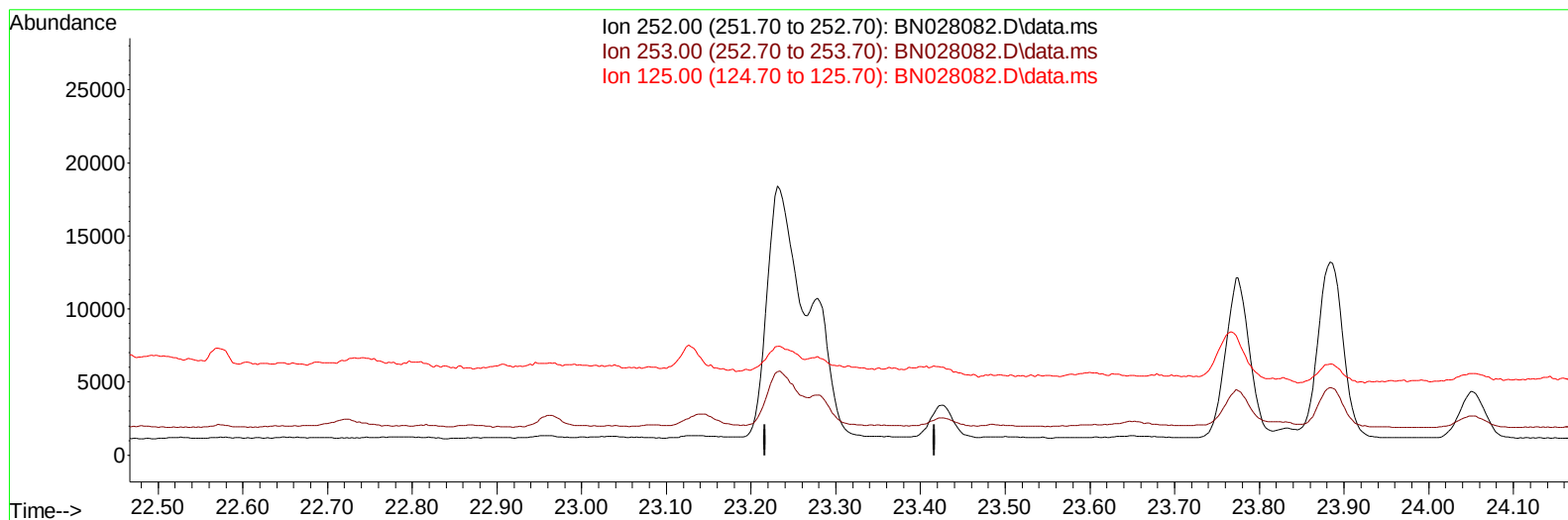
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN100523\  
 Data File : BN028082.D  
 Acq On : 06 Oct 2023 13:25  
 Operator : MA/JU  
 Sample : 04527-13DL 5X  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EZYY6DL

Manual IntegrationsAPPROVED

Quant Time: Oct 07 00:30:39 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN100323.M  
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Reviewed By :Yogesh Patel 10/08/2023  
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TIC: BN028082.D\data.ms

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

**23.267min (-23.267) 0.00 ng/ul**

**response 0**

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 252.00 | 100.00 | 0.00  |
| 253.00 | 27.30  | 0.00# |
| 125.00 | 16.00  | 0.00# |
| 0.00   | 0.00   | 0.00  |

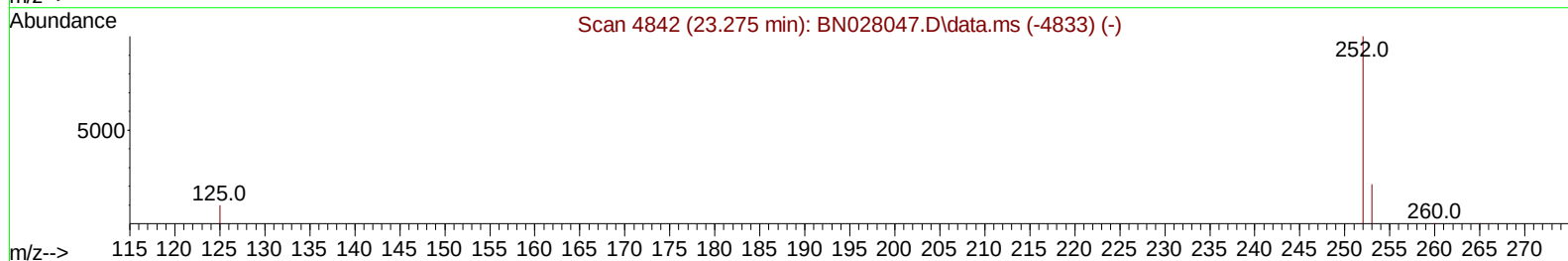
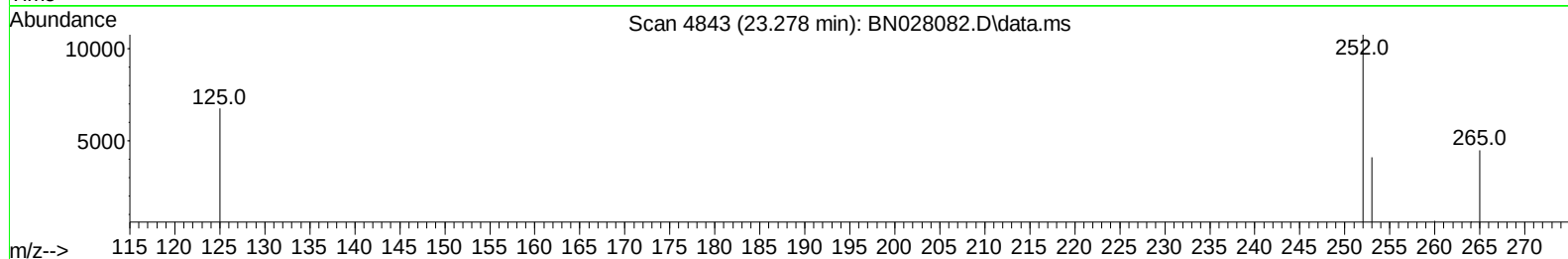
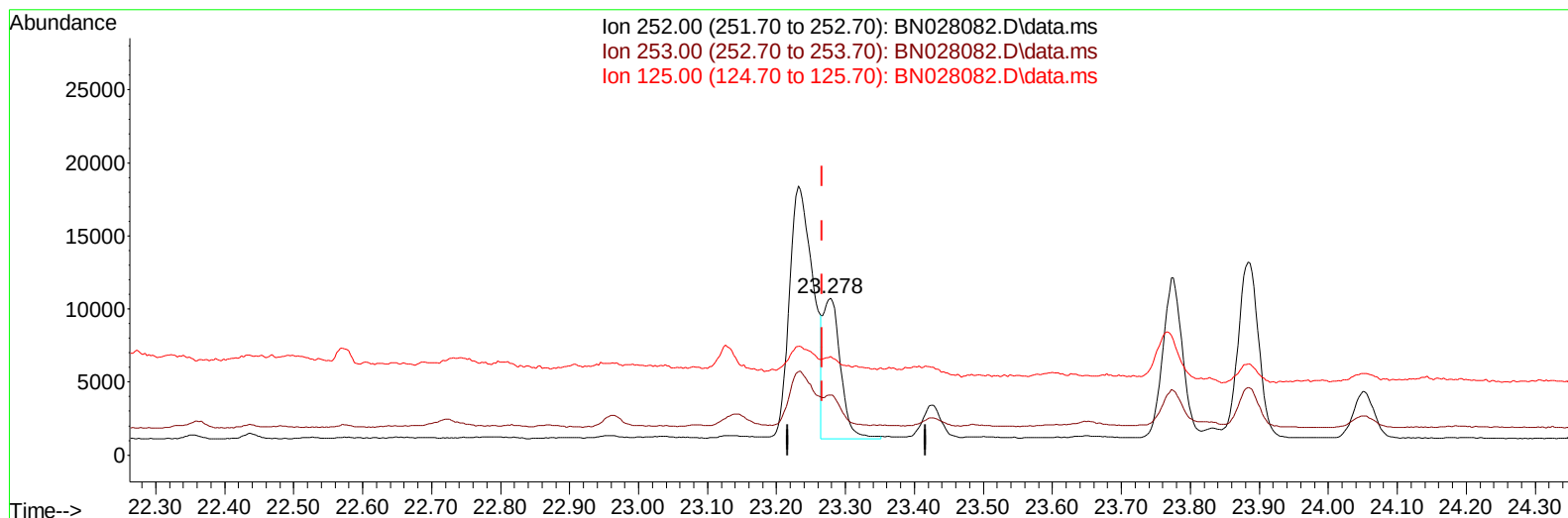
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN100523\  
 Data File : BN028082.D  
 Acq On : 06 Oct 2023 13:25  
 Operator : MA/JU  
 Sample : 04527-13DL 5X  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EZYY6DL

Manual IntegrationsAPPROVED

Quant Time: Oct 07 00:30:39 2023  
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 QLast Update : Fri Oct 06 05:15:40 2023  
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TIC: BN028082.D\data.ms

(25) Benzo(k)fluoranthene

23.278min (+ 0.012) 0.15 ng/ul m

response 17194

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 27.30  | 38.04# |
| 125.00 | 16.00  | 62.65# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN100523\  
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 Operator : MA/JU  
 Sample : 04527-13DL 5X  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EZYY6DL

## Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 10/08/2023

Quant Time: Oct 07 00:30:39 2023  
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| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.941  | 152  | 9533     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.757 | 136  | 29934    | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.583 | 164  | 16590    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.337 | 188  | 32038    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.527 | 240  | 27529    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.997 | 264  | 30126    | 0.400 | ng/ul  | # 0.02   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.342  | 96   | 8432     | 0.704 | ng/ul  | 0.01     |
| 6) 2-Methylnaphthalene-d10  | 12.335 | 152  | 2494     | 0.052 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.366 | 212  | 4063     | 0.047 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 5) Naphthalene              | 10.806 | 128  | 75490    | 0.888 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.412 | 142  | 124779   | 2.326 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.632 | 142  | 90289    | 1.627 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.647 | 153  | 2454     | 0.041 | ng/ul# | 77       |
| 12) Fluorene                | 15.637 | 166  | 1706     | 0.026 | ng/ul# | 37       |
| 15) Phenanthrene            | 17.380 | 178  | 86174    | 0.902 | ng/ul  | 99       |
| 16) Anthracene              | 17.472 | 178  | 2930     | 0.034 | ng/ul# | 61       |
| 19) Fluoranthene            | 19.394 | 202  | 75887    | 0.722 | ng/ul  | 99       |
| 20) Pyrene                  | 19.762 | 202  | 62294m   | 0.572 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.510 | 228  | 31132    | 0.310 | ng/ul# | 92       |
| 22) Chrysene                | 21.565 | 228  | 34899    | 0.344 | ng/ul# | 91       |
| 24) Benzo(b)fluoranthene    | 23.231 | 252  | 41365m   | 0.370 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.278 | 252  | 17194m   | 0.155 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.883 | 252  | 24921    | 0.262 | ng/ul# | 69       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.586 | 276  | 20249    | 0.176 | ng/ul# | 94       |
| 28) Dibenzo(a,h)anthracene  | 26.592 | 278  | 5822     | 0.062 | ng/ul# | 1        |
| 29) Benzo(g,h,i)perylene    | 27.401 | 276  | 19576    | 0.208 | ng/ul# | 82       |
| -----                       |        |      |          |       |        |          |

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

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