

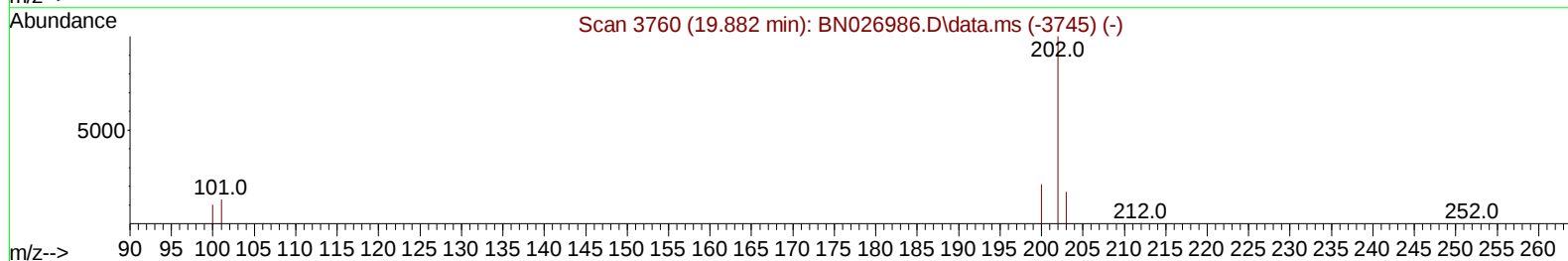
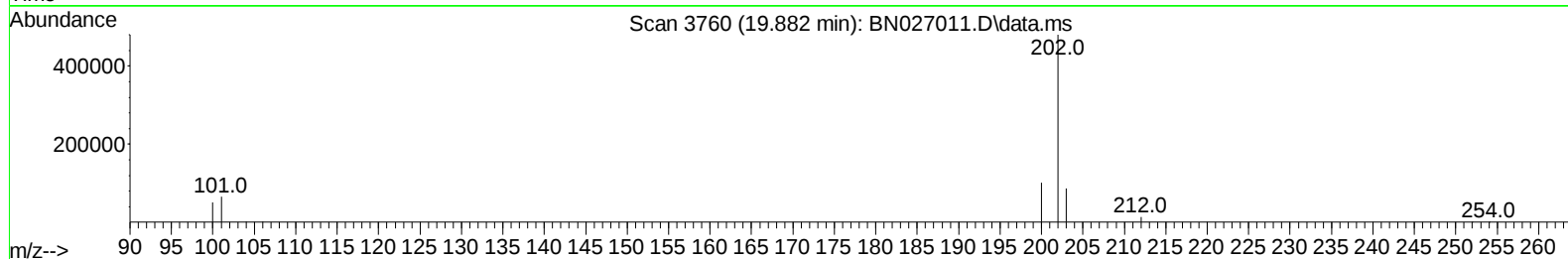
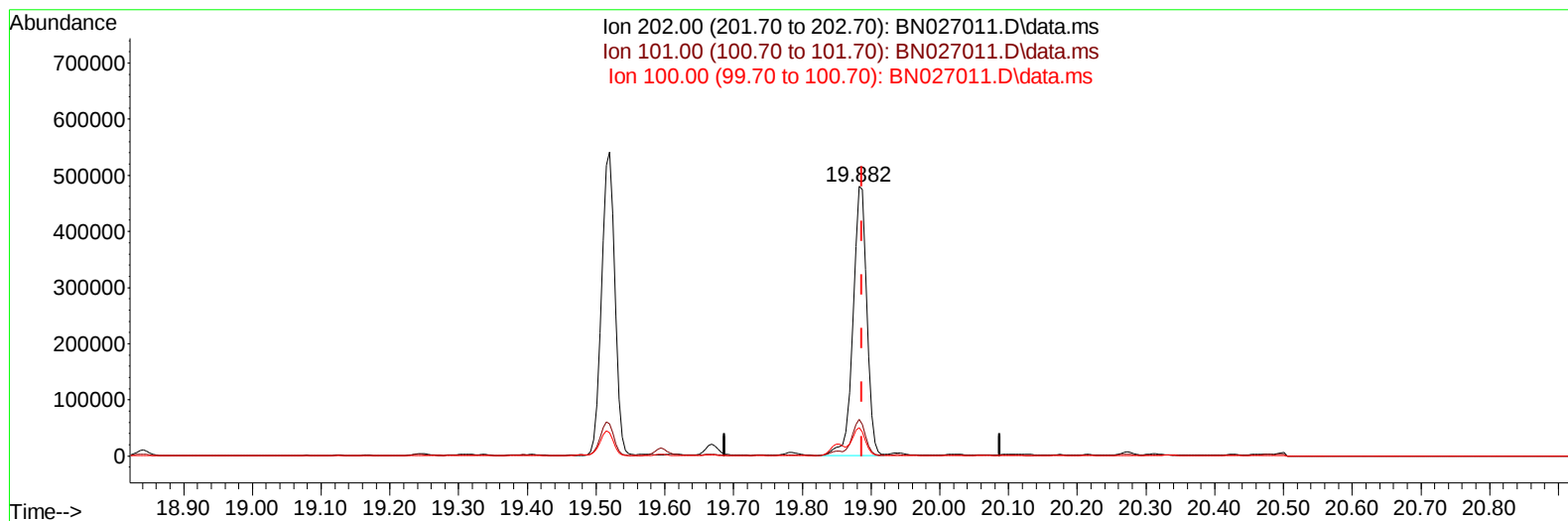
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082123\  
 Data File : BN027011.D  
 Acq On : 22 Aug 2023 03:03  
 Operator : MA/JU  
 Sample : 03967-23  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48N4

Manual IntegrationsAPPROVED

Quant Time: Aug 22 03:40:25 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN080323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 18 13:11:26 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/22/2023  
 Supervised By :mohammad ahmed 08/22/2023



TIC: BN027011.D\data.ms

(20) Pyrene

19.882min (-0.005) 6.40 ng/u1

response 666363

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 13.40  | 13.56  |
| 100.00 | 10.60  | 10.59  |
| 0.00   | 0.00   | 0.00   |

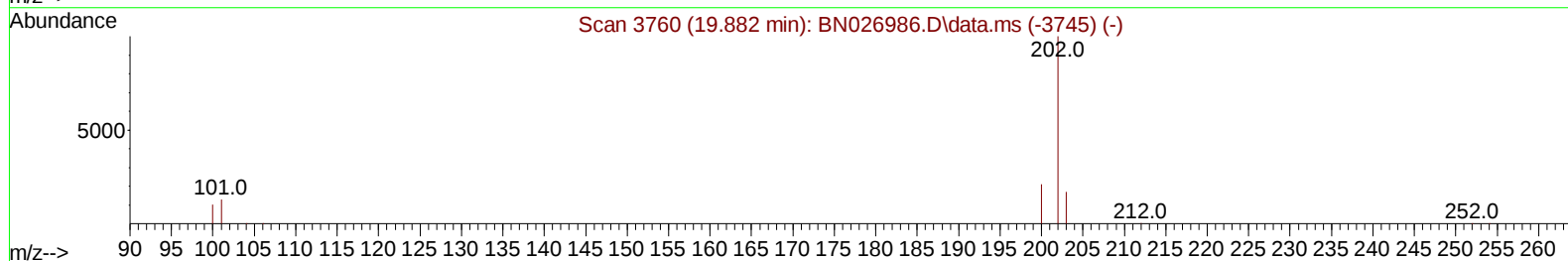
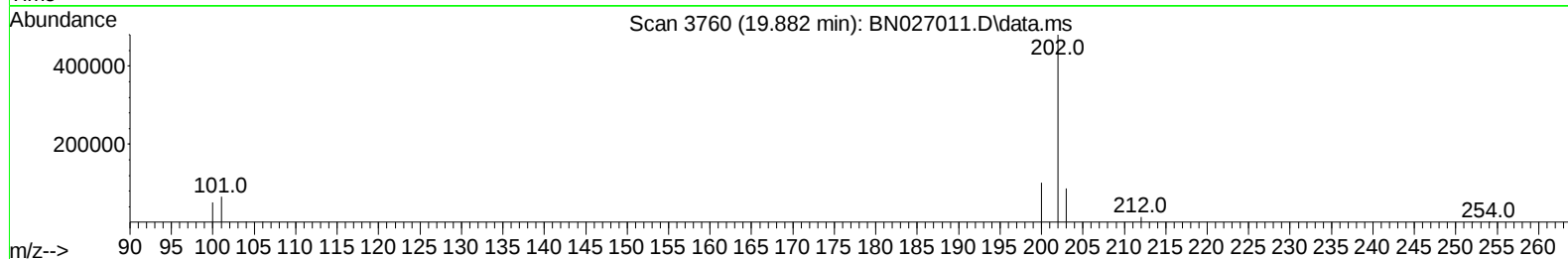
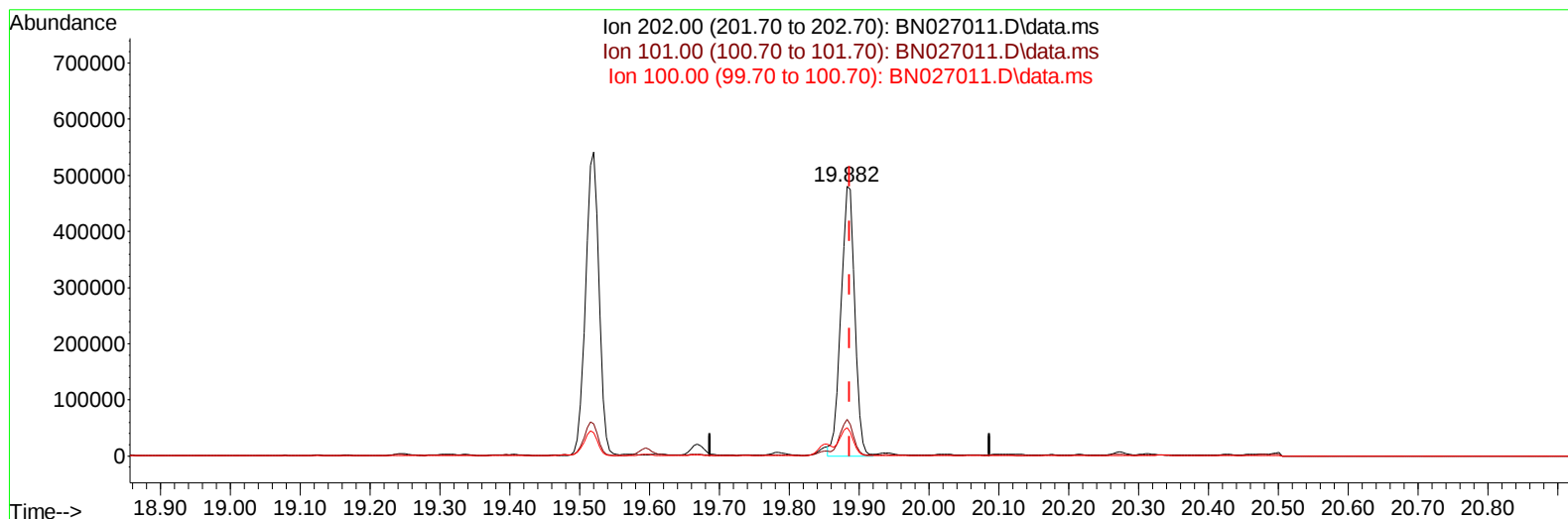
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Manual IntegrationsAPPROVED

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TIC: BN027011.D\data.ms

**(20) Pyrene**

**19.882min (-0.005) 6.31 ng/ul m**

**response 657579**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 13.40  | 13.56  |
| 100.00 | 10.60  | 10.59  |
| 0.00   | 0.00   | 0.00   |

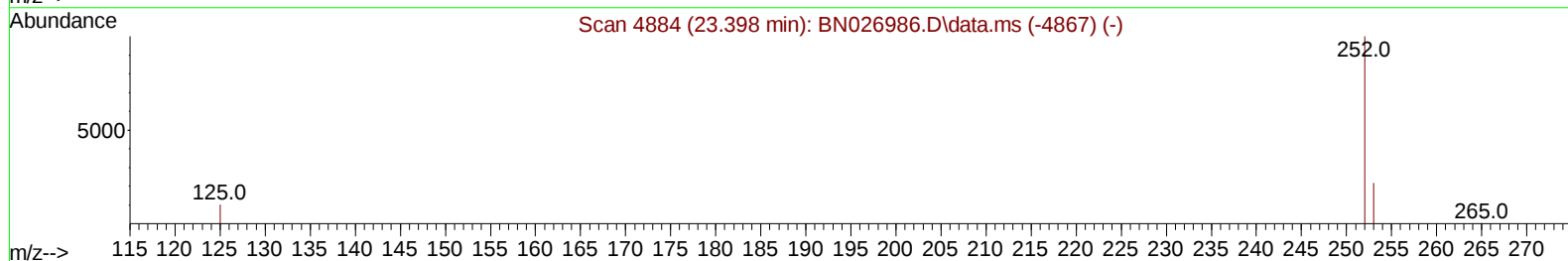
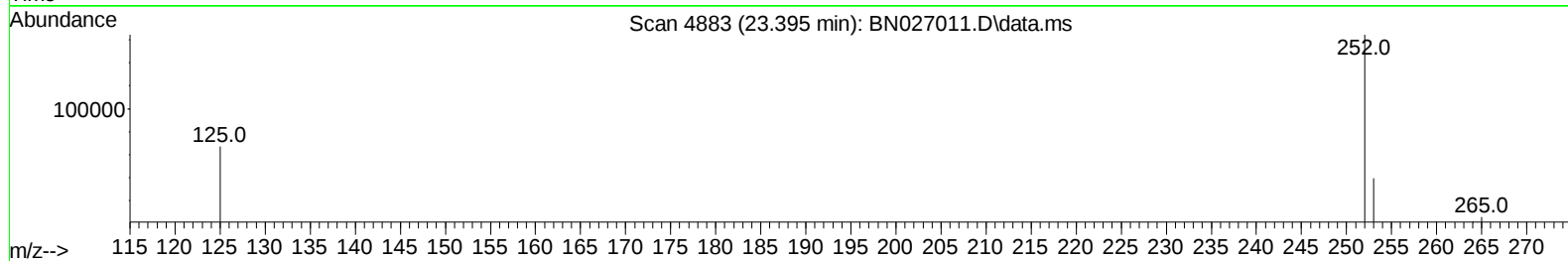
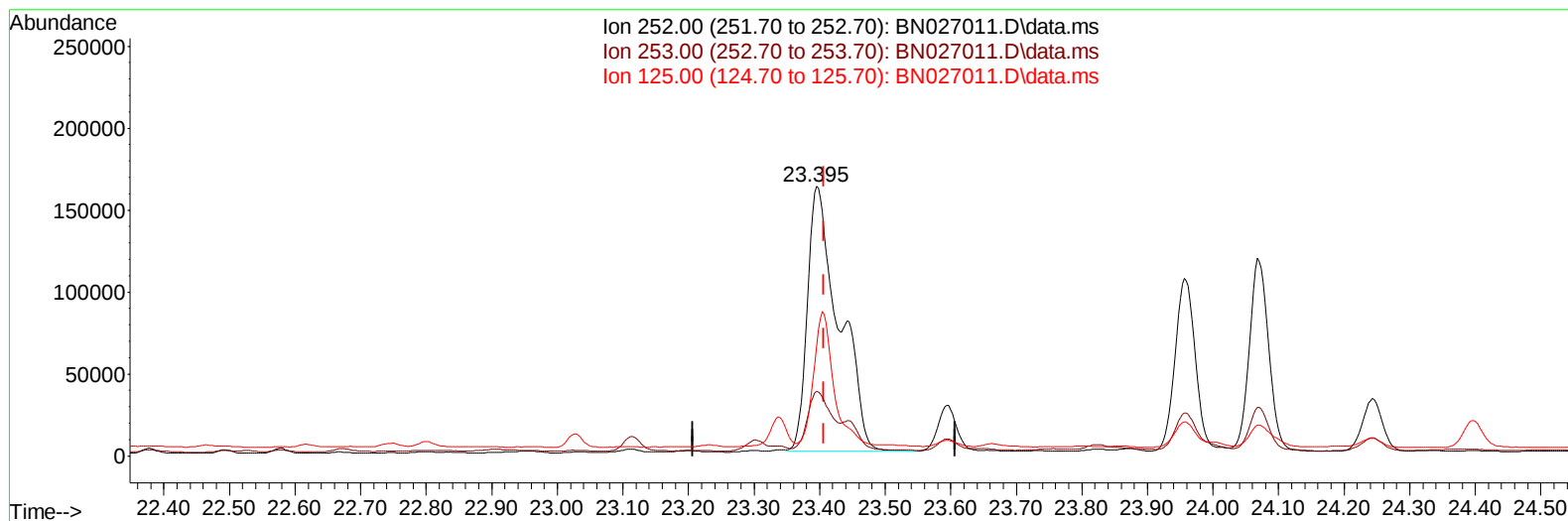
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082123\  
 Data File : BN027011.D  
 Acq On : 22 Aug 2023 03:03  
 Operator : MA/JU  
 Sample : 03967-23  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48N4

Manual IntegrationsAPPROVED

Quant Time: Aug 22 03:40:25 2023  
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 QLast Update : Fri Aug 18 13:11:26 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/22/2023  
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TIC: BN027011.D\data.ms

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

23.395min (-0.012) 7.08 ng/u1

response 542439

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 23.40  | 23.88  |
| 125.00 | 12.60  | 40.71# |
| 0.00   | 0.00   | 0.00   |

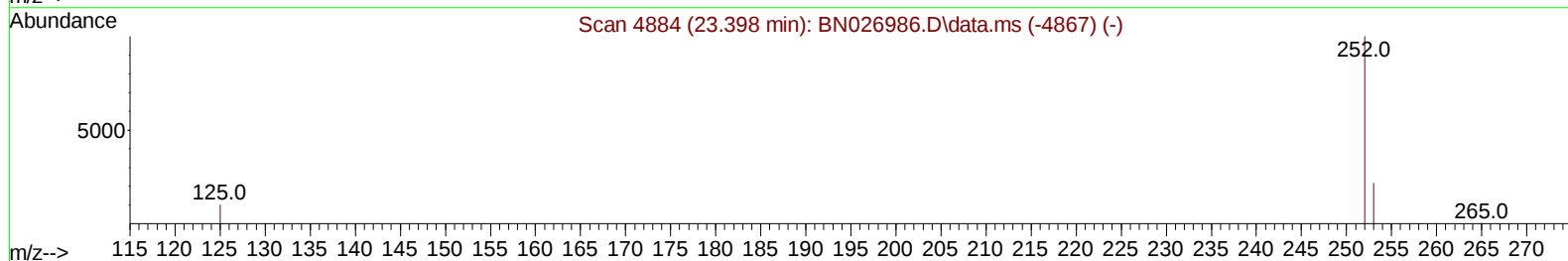
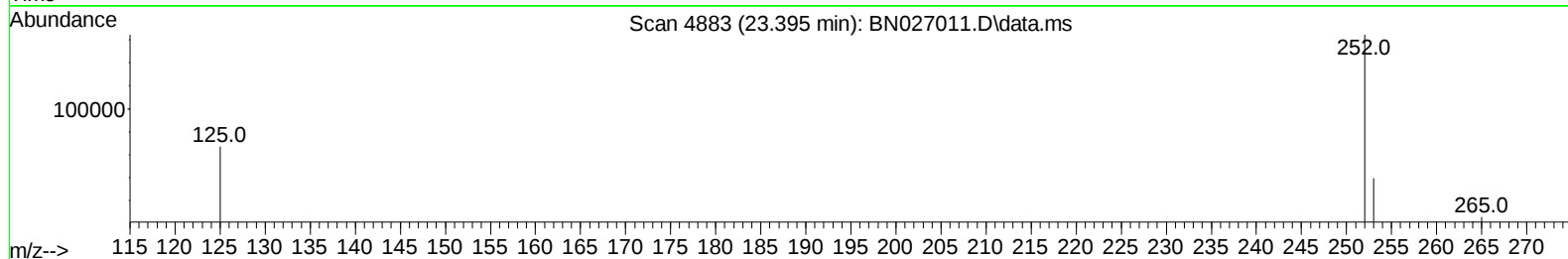
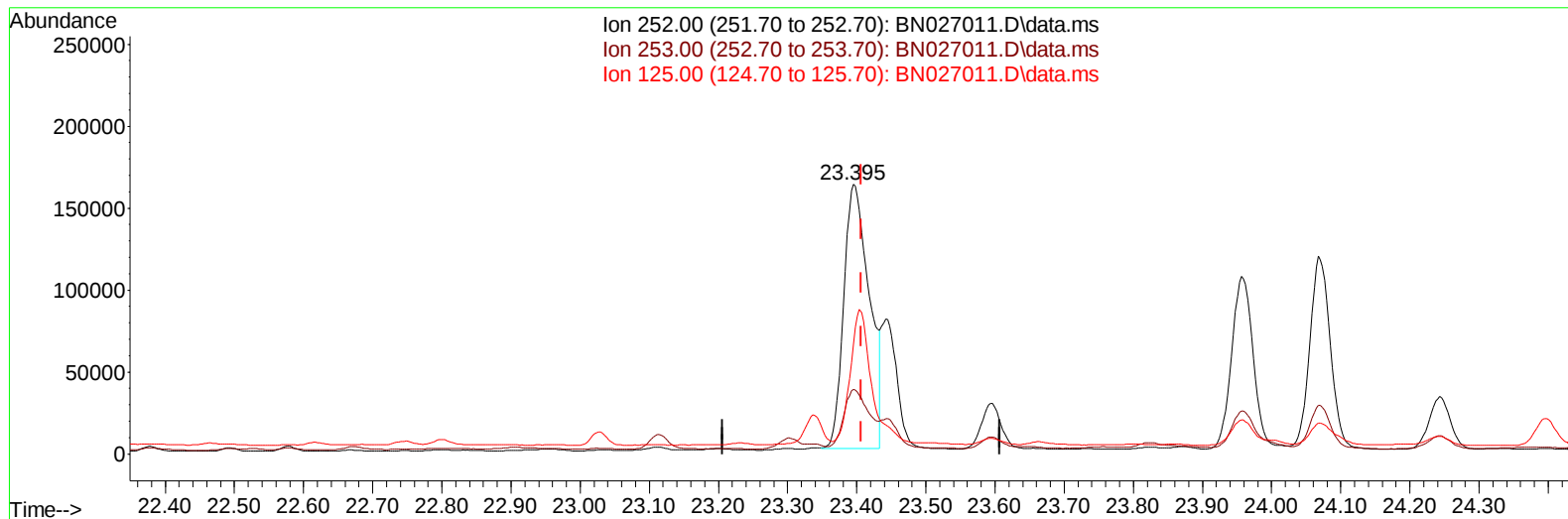
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082123\  
 Data File : BN027011.D  
 Acq On : 22 Aug 2023 03:03  
 Operator : MA/JU  
 Sample : 03967-23  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48N4

Manual IntegrationsAPPROVED

Quant Time: Aug 22 03:40:25 2023  
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TIC: BN027011.D\data.ms

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

23.395min (-0.012) 5.43 ng/u1 m

response 415680

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 23.40  | 23.88  |
| 125.00 | 12.60  | 40.71# |
| 0.00   | 0.00   | 0.00   |

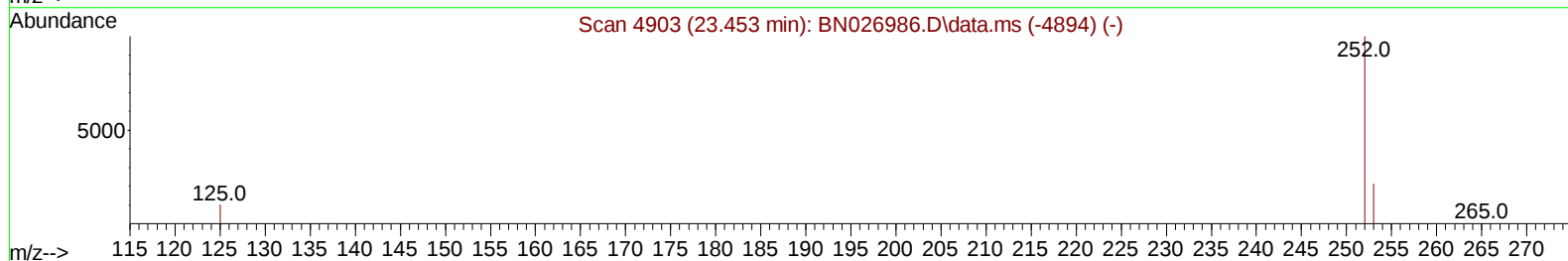
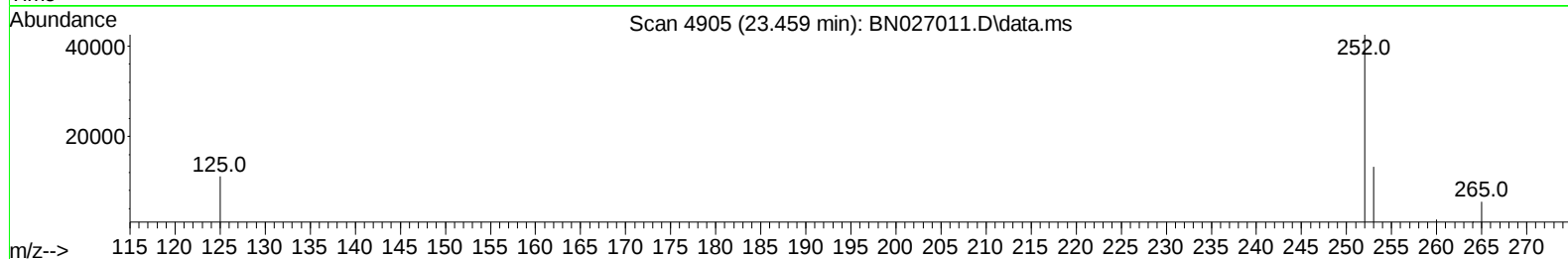
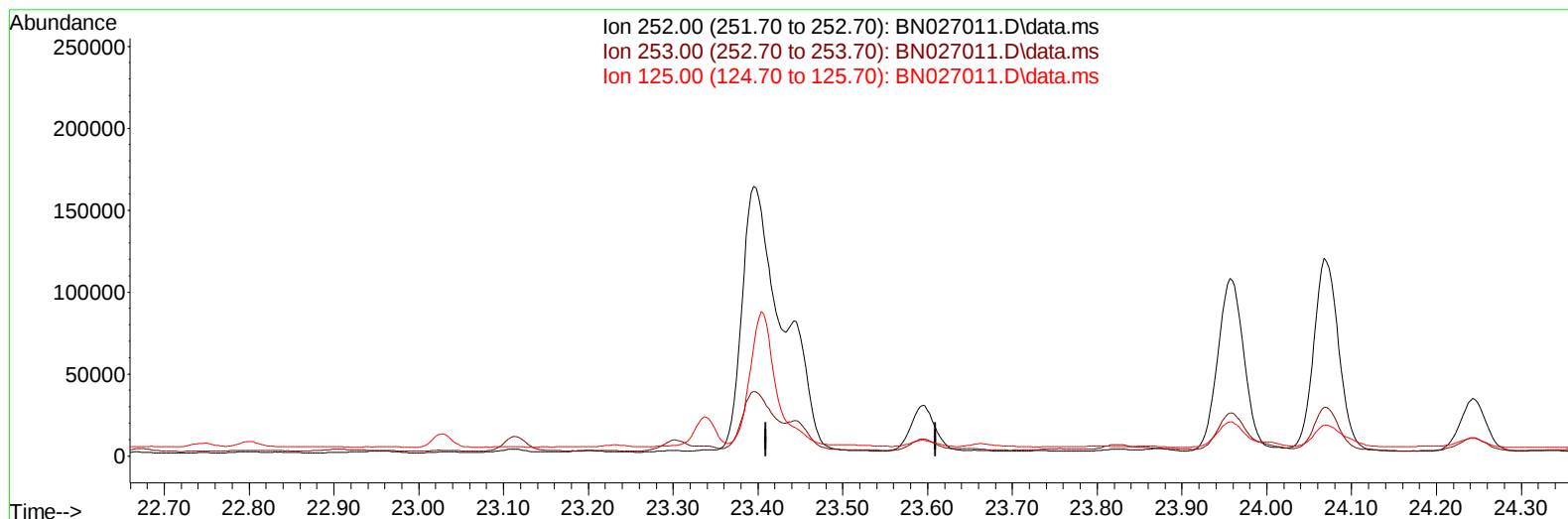
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082123\  
 Data File : BN027011.D  
 Acq On : 22 Aug 2023 03:03  
 Operator : MA/JU  
 Sample : 03967-23  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48N4

Manual IntegrationsAPPROVED

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TIC: BN027011.D\data.ms

(25) Benzo(k)fluoranthene

23.460min (-23.460) 0.00 ng/u1

response 0

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 252.00 | 100.00 | 0.00  |
| 253.00 | 22.80  | 0.00# |
| 125.00 | 12.40  | 0.00# |
| 0.00   | 0.00   | 0.00  |

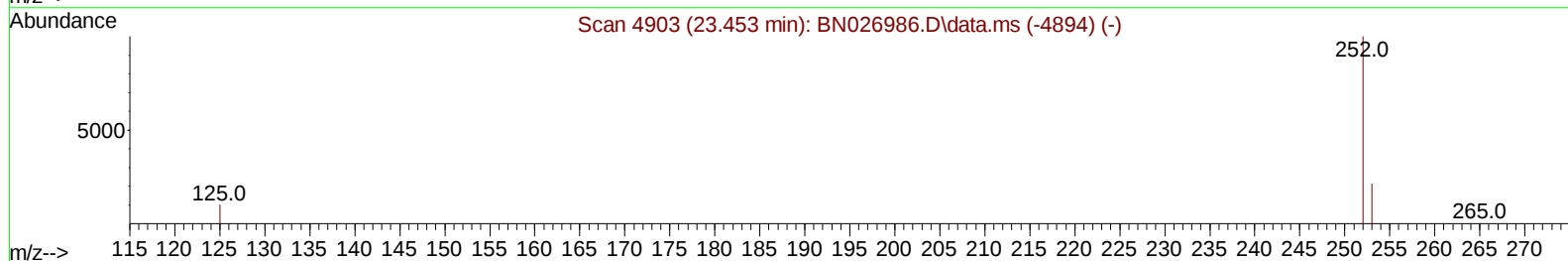
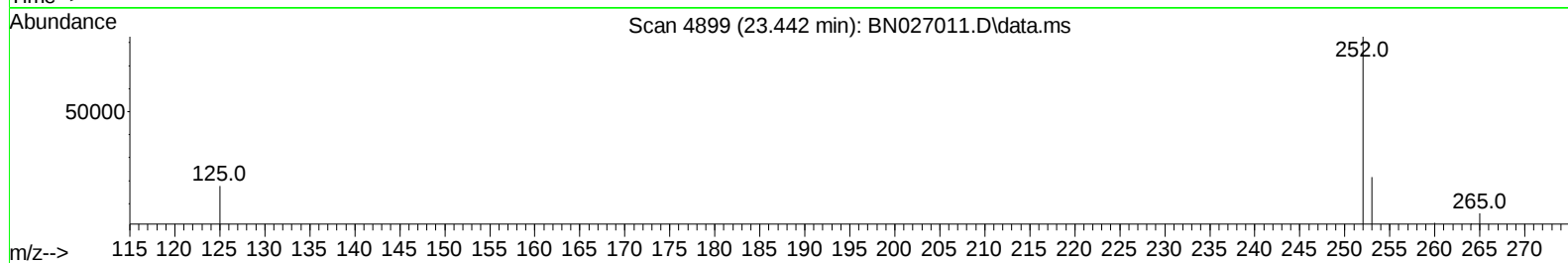
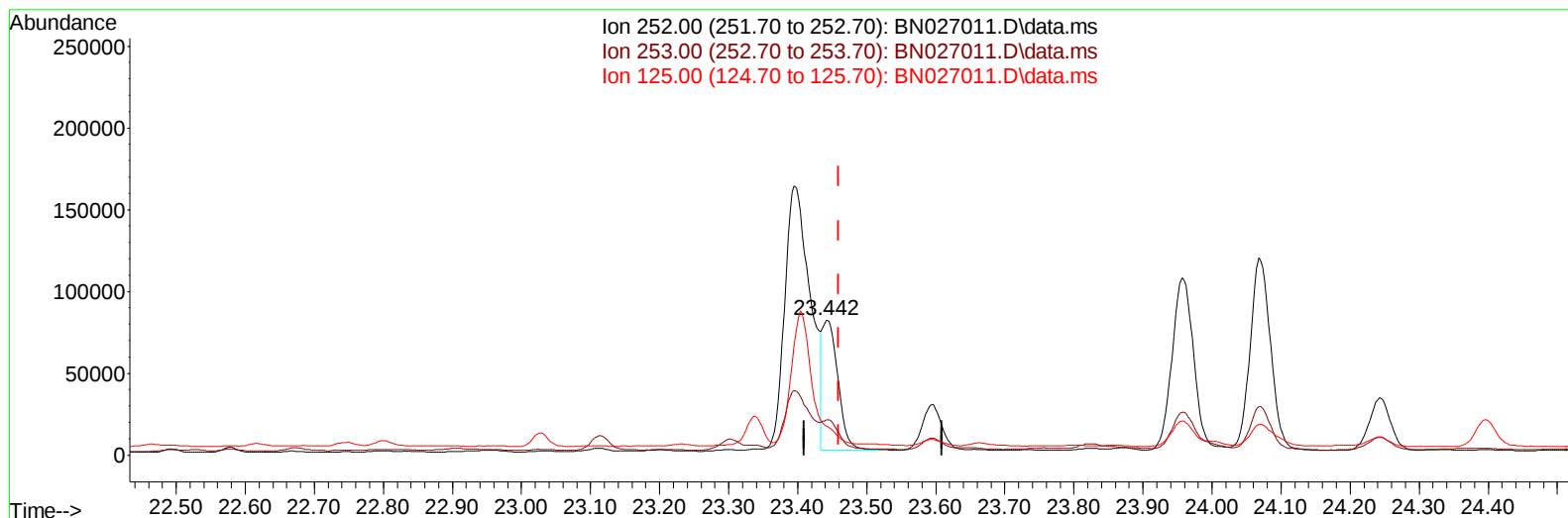
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 Operator : MA/JU  
 Sample : 03967-23  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48N4

Manual IntegrationsAPPROVED

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TIC: BN027011.D\data.ms

(25) Benzo(k)fluoranthene

23.442min (-0.018) 1.66 ng/u1 m

response 125027

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.80  | 26.11  |
| 125.00 | 12.40  | 21.50# |
| 0.00   | 0.00   | 0.00   |

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 Operator : MA/JU  
 Sample : 03967-23  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48N4

## Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 08/22/2023

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| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.097  | 152  | 9299     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.927 | 136  | 29775    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.726 | 164  | 17330    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.472 | 188  | 37233    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.641 | 240  | 23499    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 24.184 | 264  | 20247    | 0.400 | ng/ul  | #-0.01   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.439  | 96   | 33501    | 3.035 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.500 | 152  | 8202     | 0.187 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.487 | 212  | 18888    | 0.255 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 5) Naphthalene              | 10.977 | 128  | 27255    | 0.324 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.571 | 142  | 12993    | 0.255 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.786 | 142  | 8728     | 0.164 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.453 | 152  | 49076    | 0.505 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.791 | 153  | 11401    | 0.170 | ng/ul  | 98       |
| 12) Fluorene                | 15.771 | 166  | 14436    | 0.190 | ng/ul  | 98       |
| 14) Pentachlorophenol       | 17.097 | 266  | 1161     | 0.110 | ng/ul  | 98       |
| 15) Phenanthrene            | 17.515 | 178  | 368053   | 3.009 | ng/ul  | 100      |
| 16) Anthracene              | 17.607 | 178  | 71860    | 0.650 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.520 | 202  | 727642   | 7.455 | ng/ul  | 100      |
| 20) Pyrene                  | 19.882 | 202  | 657579m  | 6.314 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.624 | 228  | 270022   | 2.889 | ng/ul  | 97       |
| 22) Chrysene                | 21.679 | 228  | 346565   | 3.757 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 23.395 | 252  | 415680m  | 5.428 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.442 | 252  | 125027m  | 1.655 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 24.067 | 252  | 244094   | 3.532 | ng/ul  | 98       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.877 | 276  | 184368   | 2.039 | ng/ul# | 98       |
| 28) Dibenzo(a,h)anthracene  | 26.887 | 278  | 50767    | 0.705 | ng/ul# | 69       |
| 29) Benzo(g,h,i)perylene    | 27.719 | 276  | 201420   | 2.676 | ng/ul  | 97       |
| -----                       |        |      |          |       |        |          |

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

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