

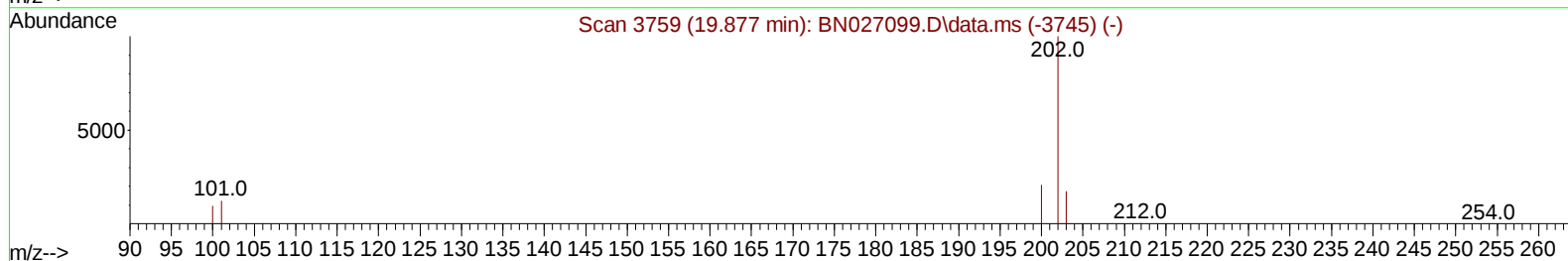
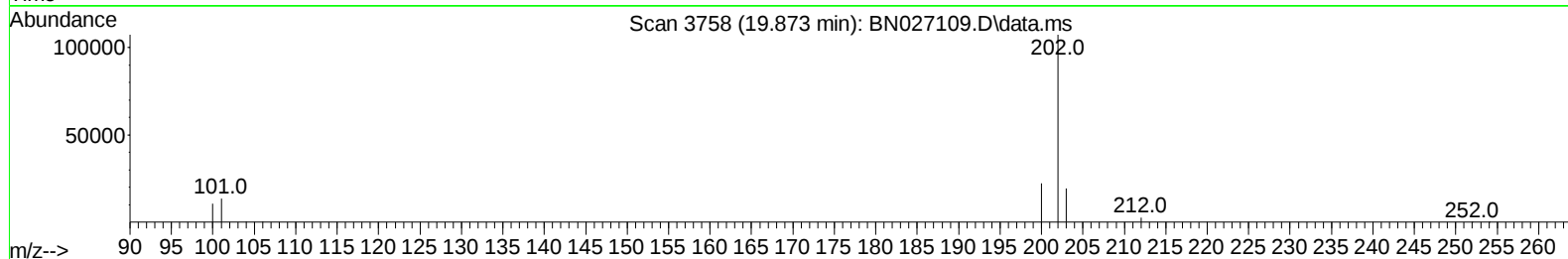
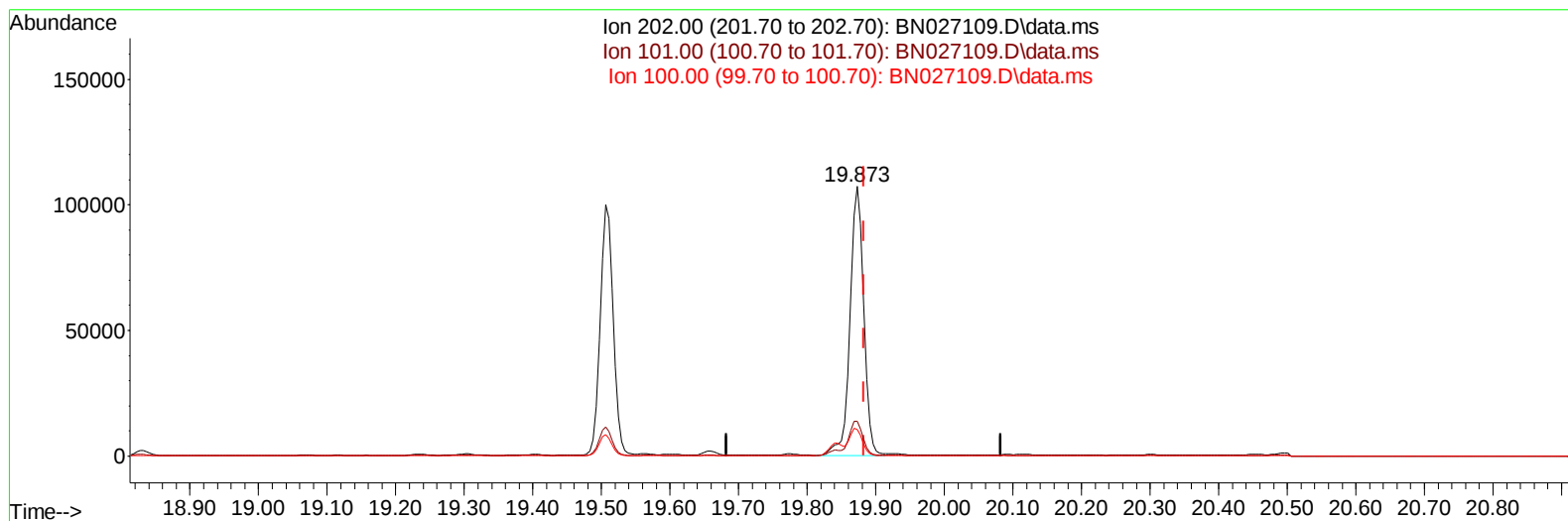
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082423\  
 Data File : BN027109.D  
 Acq On : 24 Aug 2023 22:19  
 Operator : MA/JU  
 Sample : 03968-32DL 5X  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48Q0DL

Manual IntegrationsAPPROVED

Quant Time: Aug 25 03:52:19 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 : Wed Aug 23 02:28:27 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/25/2023  
 Supervised By :mohammad ahmed 08/25/2023



TIC: BN027109.D\data.ms

**(20) Pyrene**

**19.873min (-0.009) 1.08 ng/u1**

**response 149350**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 13.40  | 12.78  |
| 100.00 | 10.60  | 9.93   |
| 0.00   | 0.00   | 0.00   |

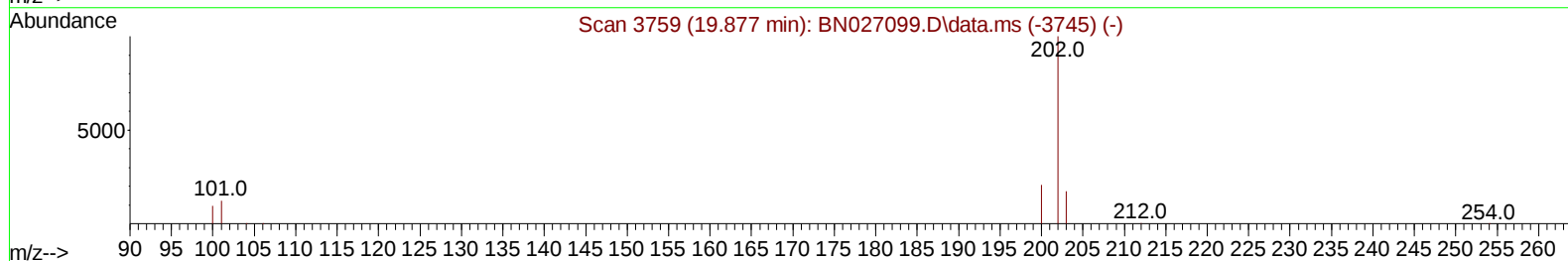
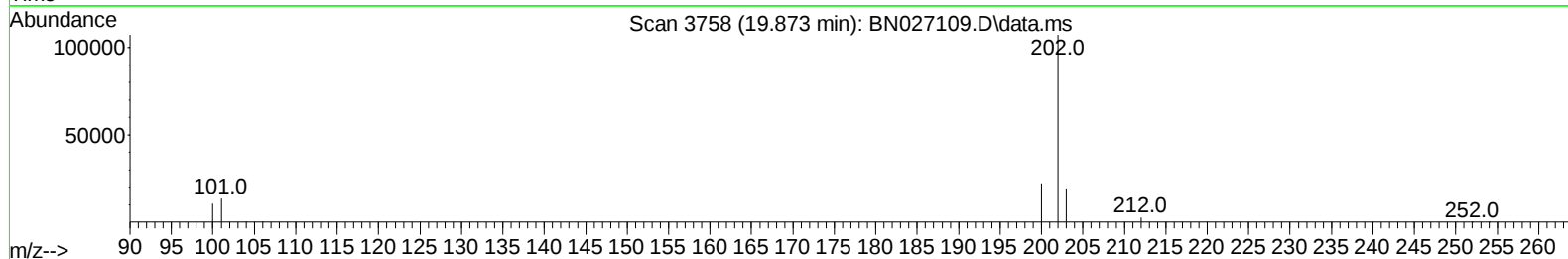
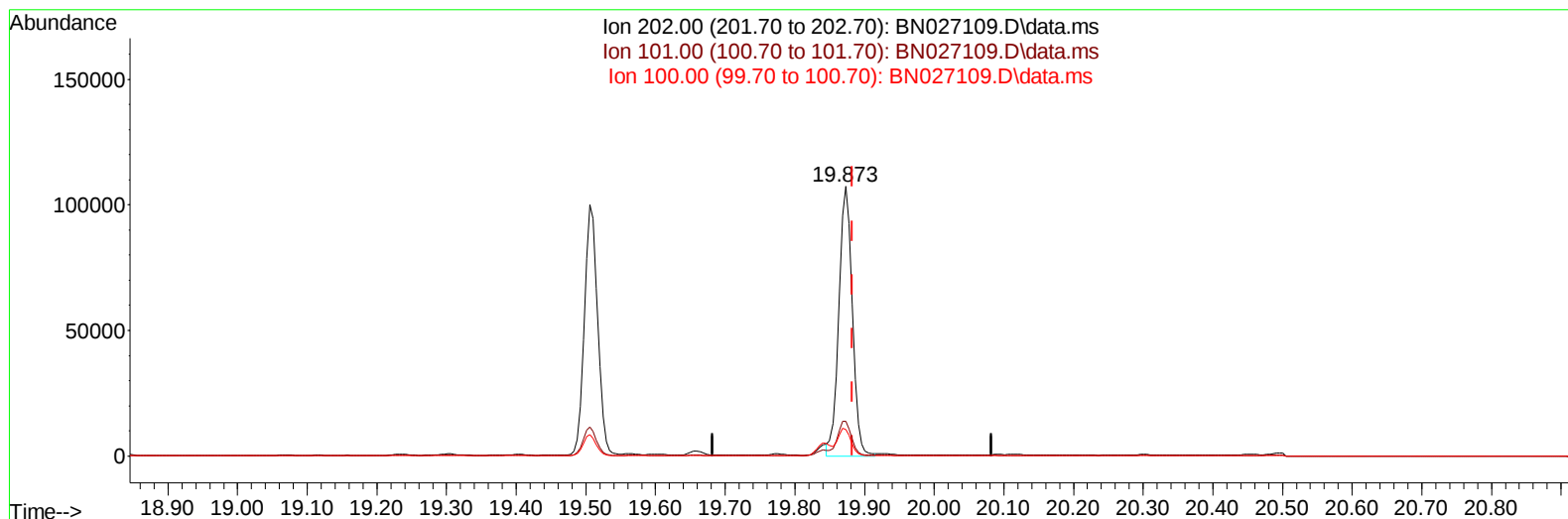
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Manual IntegrationsAPPROVED

Quant Time: Aug 25 03:52:19 2023  
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TIC: BN027109.D\data.ms

(20) Pyrene

19.873min (-0.009) 1.06 ng/ul m

response 146373

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 13.40  | 12.78  |
| 100.00 | 10.60  | 9.93   |
| 0.00   | 0.00   | 0.00   |

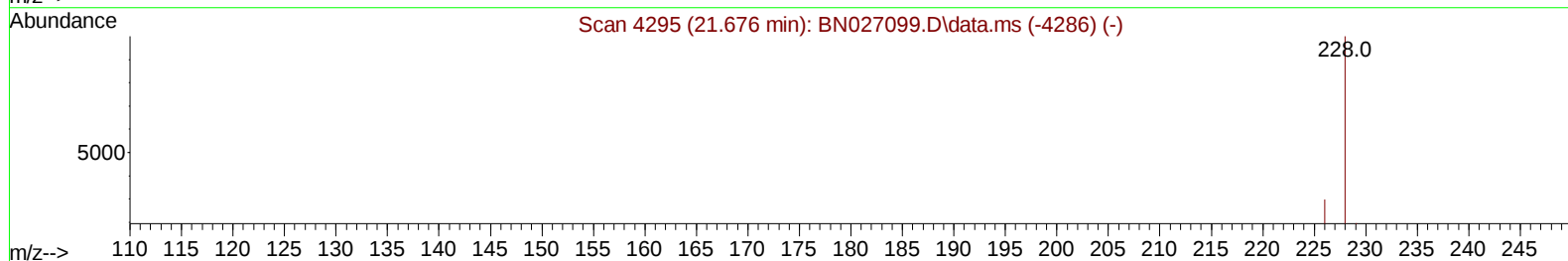
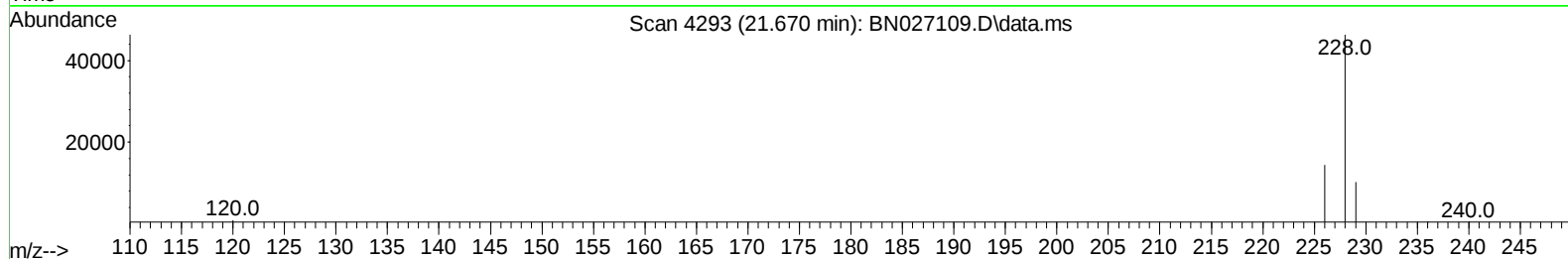
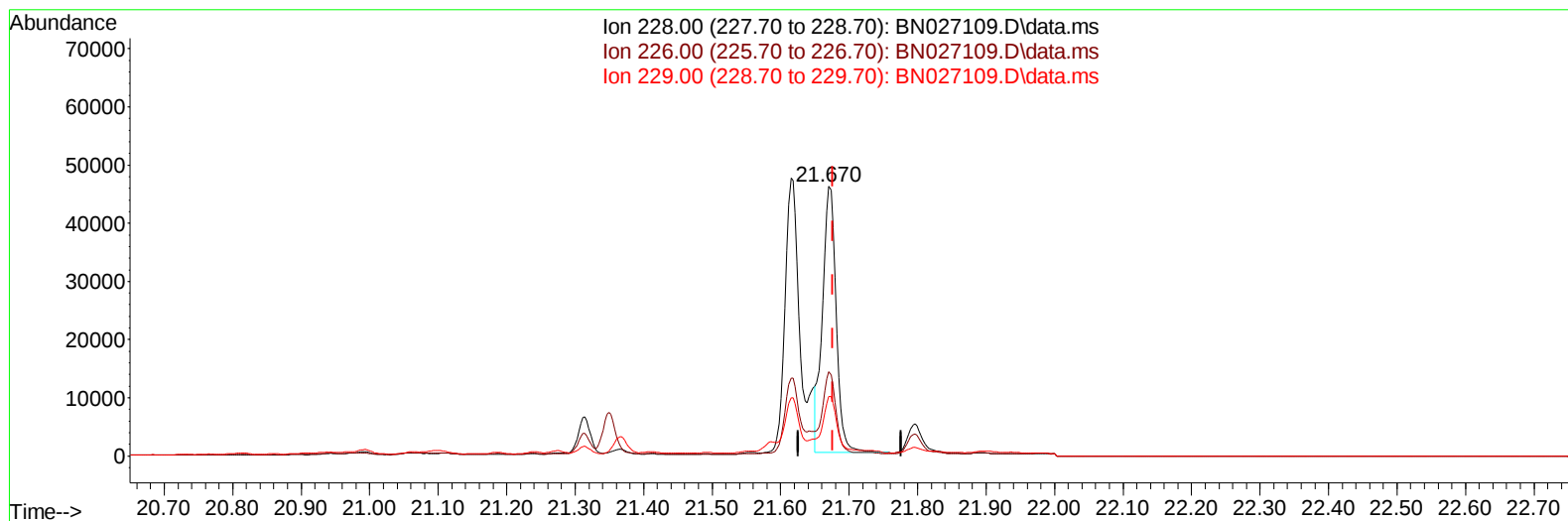
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082423\  
 Data File : BN027109.D  
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 Operator : MA/JU  
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 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48Q0DL

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 08/25/2023  
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TIC: BN027109.D\data.ms

(22) Chrysene

21.670min (-0.006) 0.52 ng/u1

response 63844

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 30.70  | 31.29  |
| 229.00 | 19.70  | 22.04  |
| 0.00   | 0.00   | 0.00   |

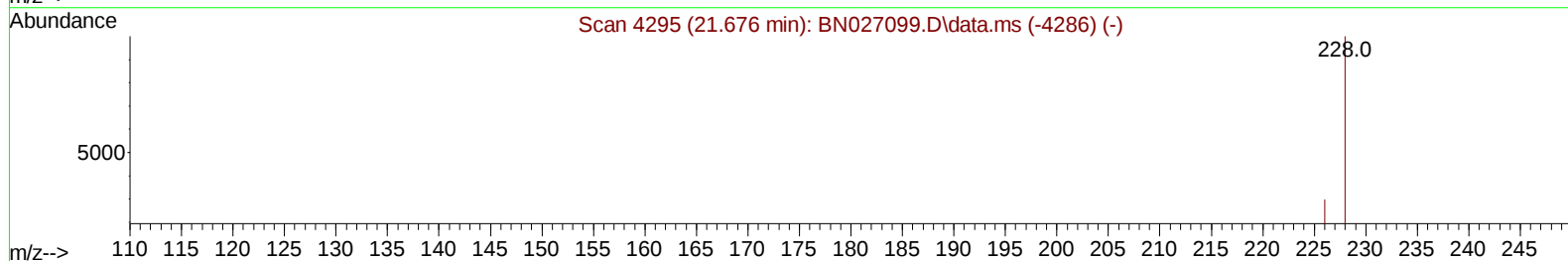
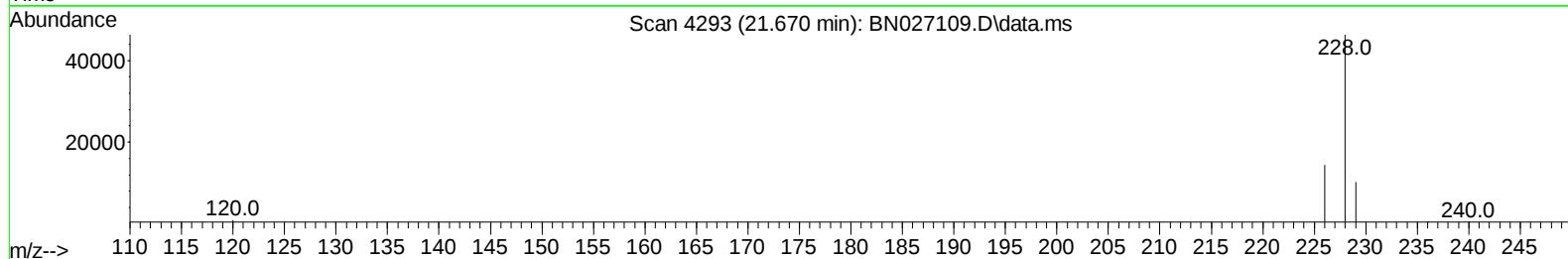
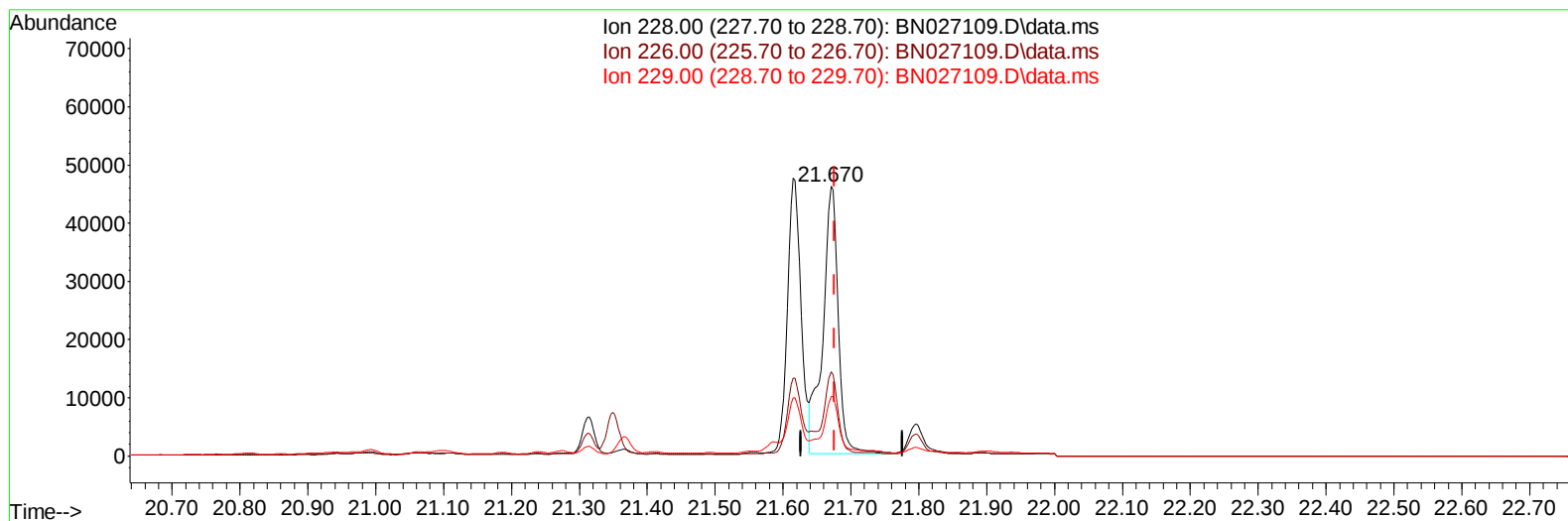
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082423\  
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Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A48Q0DL

Manual IntegrationsAPPROVED

Quant Time: Aug 25 03:52:19 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN080323.M  
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Supervised By :mohammad ahmed 08/25/2023



TIC: BN027109.D\data.ms

(22) Chrysene

21.670min (-0.006) 0.59 ng/u1 m

response 72521

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 30.70  | 31.29  |
| 229.00 | 19.70  | 22.04  |
| 0.00   | 0.00   | 0.00   |

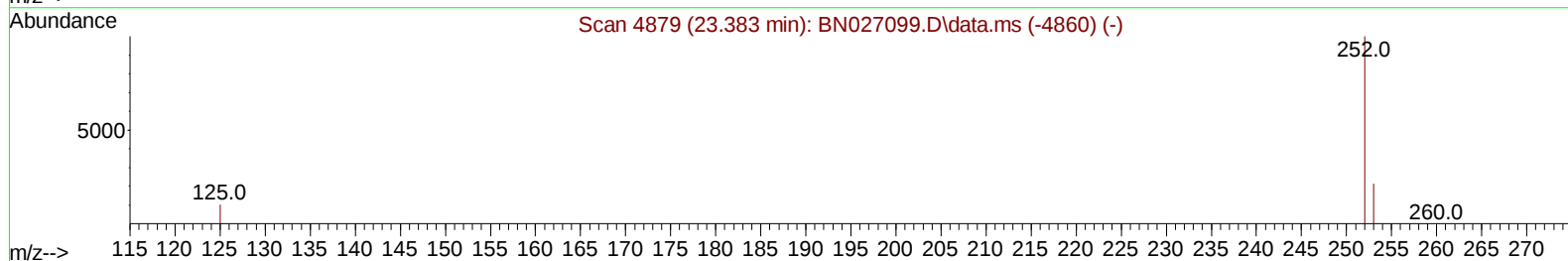
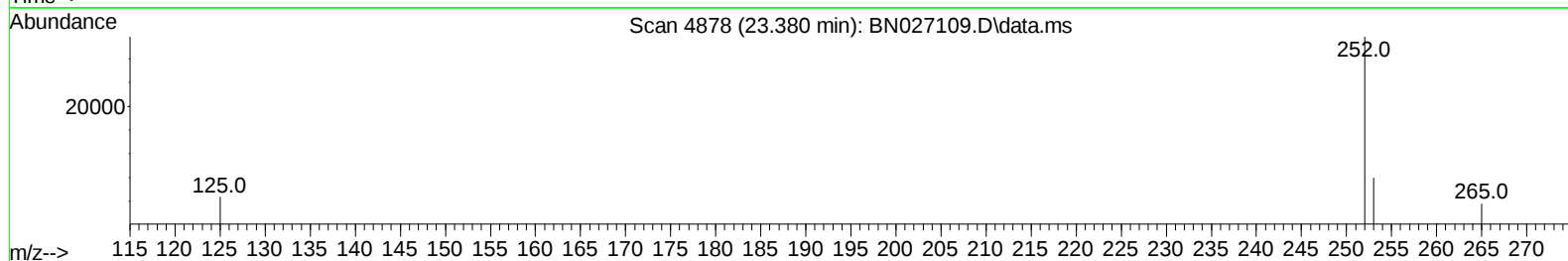
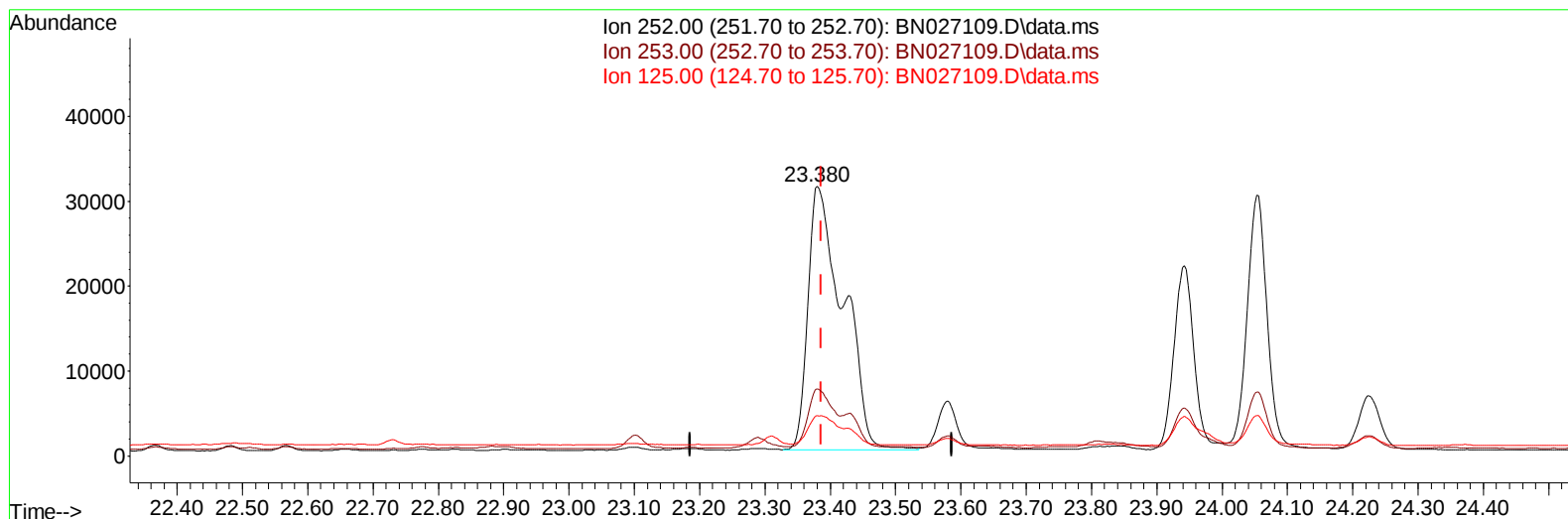
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082423\  
 Data File : BN027109.D  
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 Operator : MA/JU  
 Sample : 03968-32DL 5X  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48Q0DL

Manual IntegrationsAPPROVED

Quant Time: Aug 25 03:52:19 2023  
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Reviewed By :Yogesh Patel 08/25/2023  
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TIC: BN027109.D\data.ms

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

**23.380min (-0.006) 0.93 ng/u1**

**response 115276**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 23.40  | 25.00  |
| 125.00 | 12.60  | 15.00  |
| 0.00   | 0.00   | 0.00   |

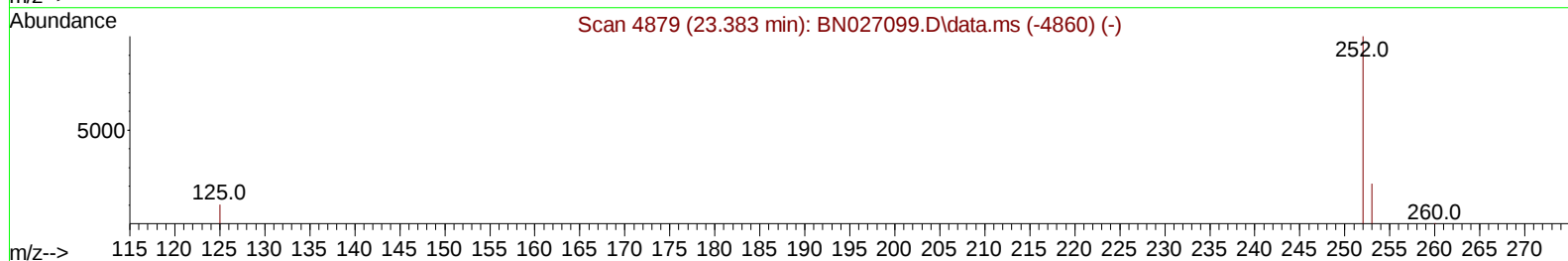
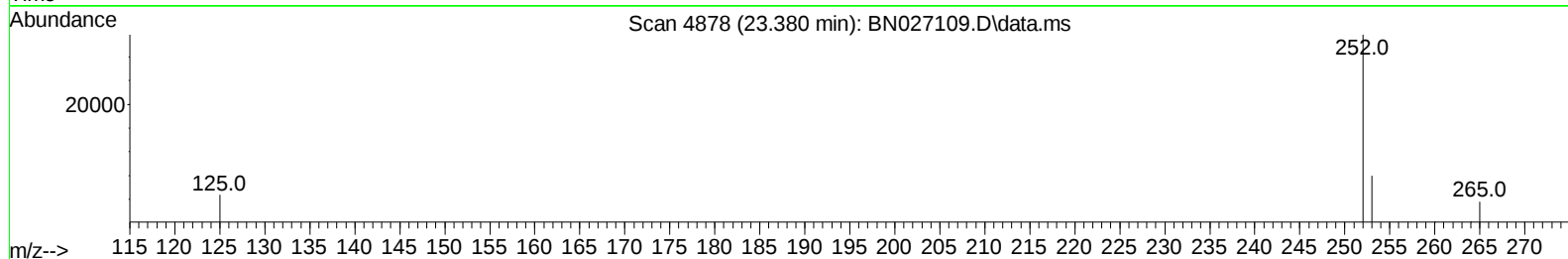
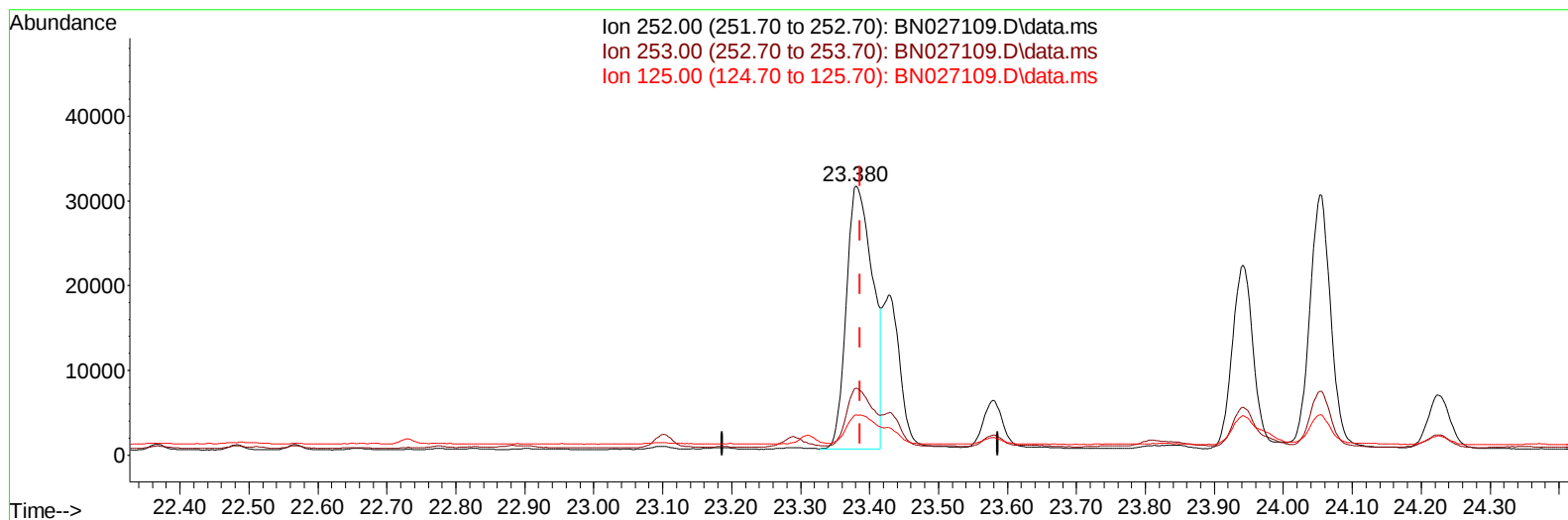
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082423\  
 Data File : BN027109.D  
 Acq On : 24 Aug 2023 22:19  
 Operator : MA/JU  
 Sample : 03968-32DL 5X  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48Q0DL

Manual IntegrationsAPPROVED

Quant Time: Aug 25 03:52:19 2023  
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Reviewed By :Yogesh Patel 08/25/2023  
 Supervised By :mohammad ahmed 08/25/2023



TIC: BN027109.D\data.ms

(24) Benzo(b)fluoranthene

23.380min (-0.006) 0.67 ng/ul m

response 82855

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 23.40  | 25.00  |
| 125.00 | 12.60  | 15.00  |
| 0.00   | 0.00   | 0.00   |

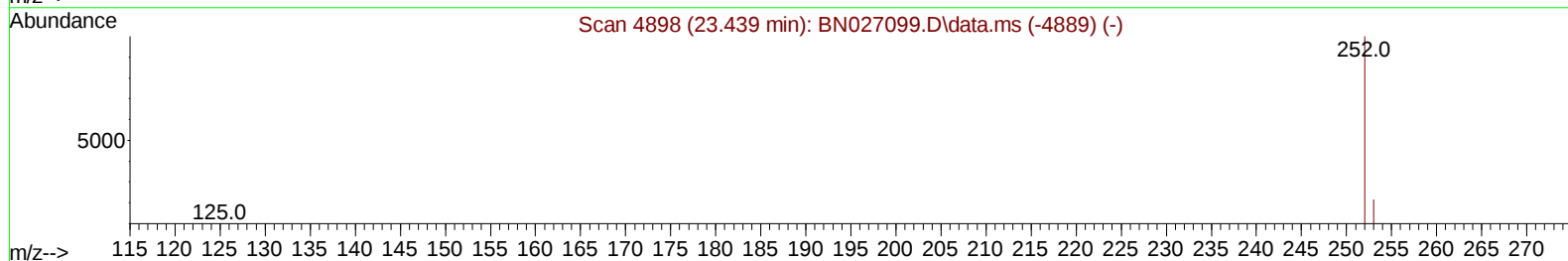
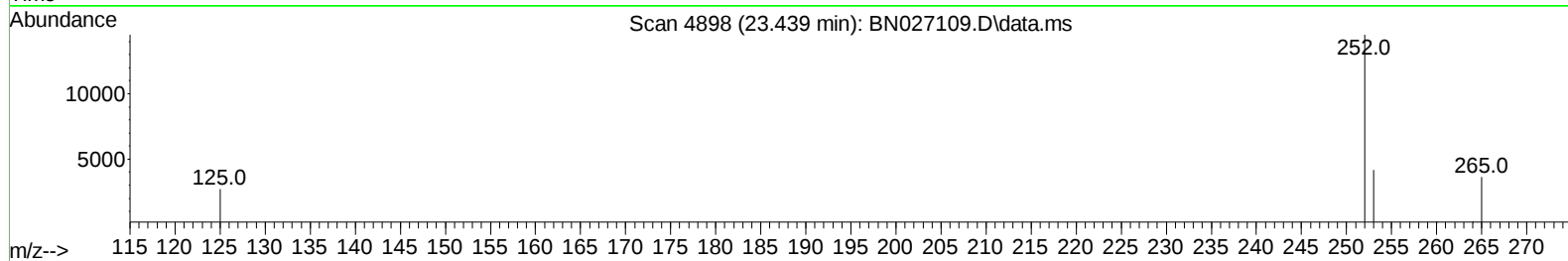
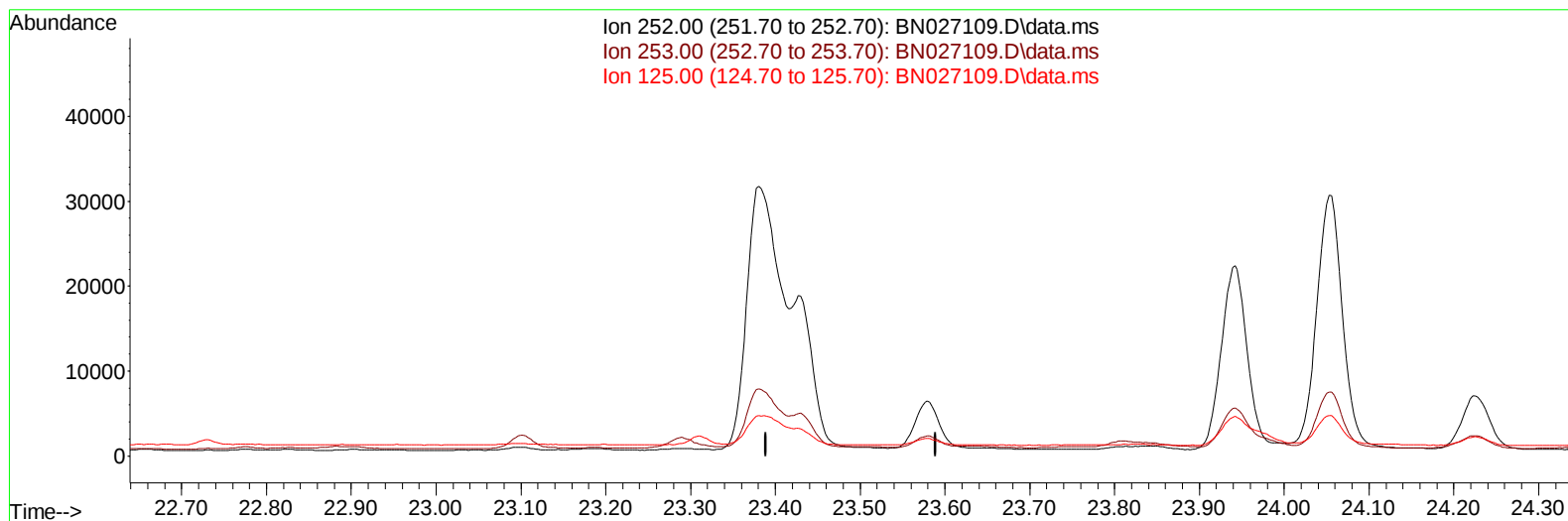
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082423\  
 Data File : BN027109.D  
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 Operator : MA/JU  
 Sample : 03968-32DL 5X  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48Q0DL

Manual IntegrationsAPPROVED

Quant Time: Aug 25 03:52:19 2023  
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Reviewed By :Yogesh Patel 08/25/2023  
 Supervised By :mohammad ahmed 08/25/2023



TIC: BN027109.D\data.ms

(25) Benzo(k)fluoranthene

23.439min (-23.439) 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  |

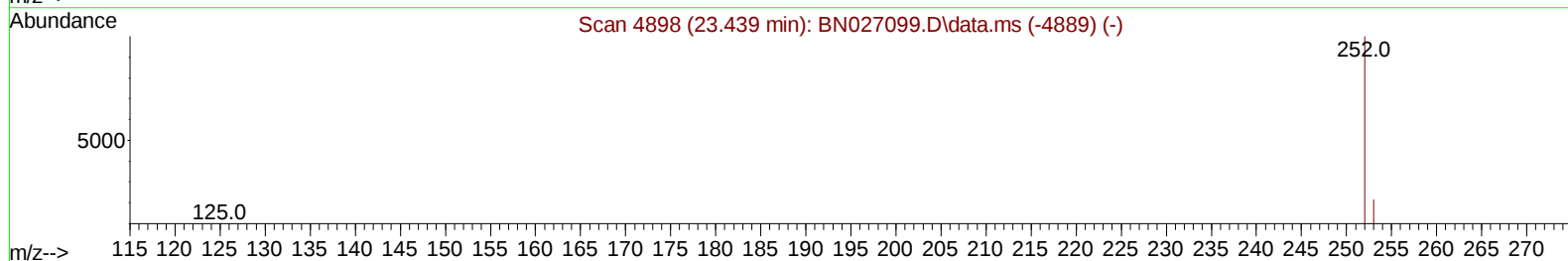
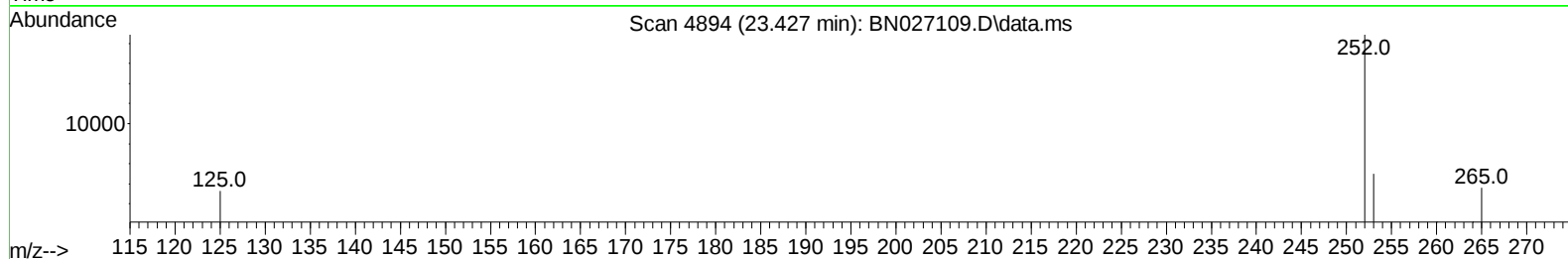
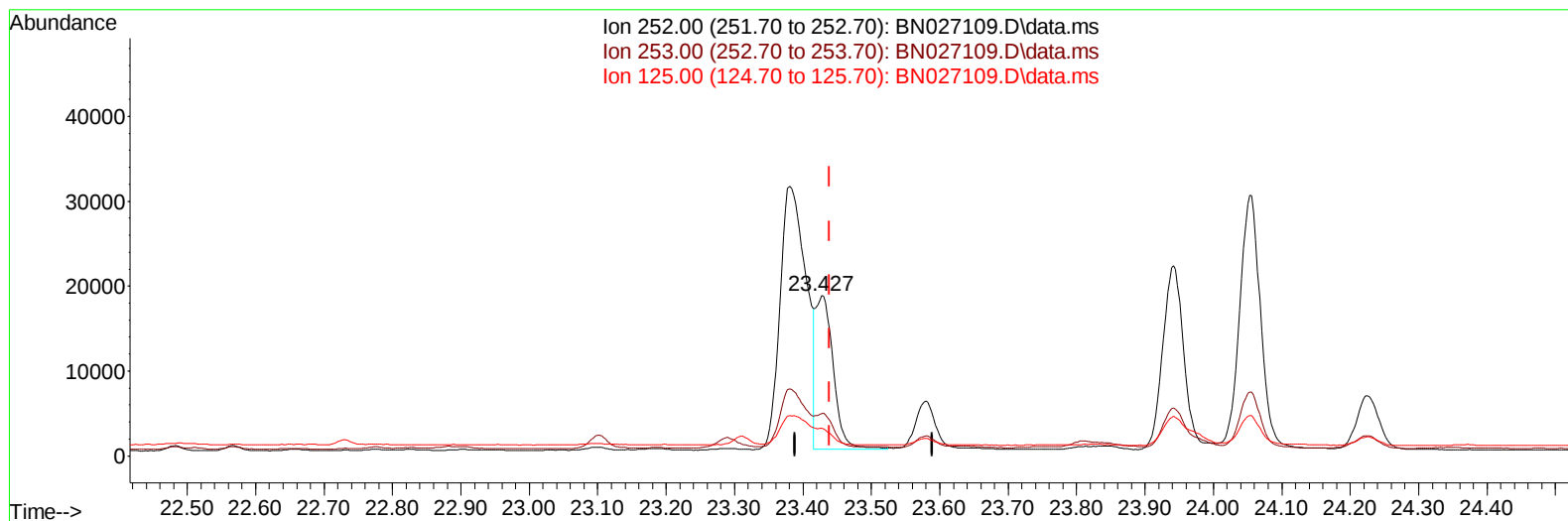
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082423\  
Data File : BN027109.D  
Acq On : 24 Aug 2023 22:19  
Operator : MA/JU  
Sample : 03968-32DL 5X  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A48Q0DL

Manual IntegrationsAPPROVED

Quant Time: Aug 25 03:52:19 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN080323.M  
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QLast Update : Wed Aug 23 02:28:27 2023  
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Supervised By :mohammad ahmed 08/25/2023



TIC: BN027109.D\data.ms

(25) Benzo(k)fluoranthene

23.427min (-0.012) 0.26 ng/ul m

response 32214

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.80  | 26.49  |
| 125.00 | 12.40  | 17.29# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082423\  
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 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

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Manual IntegrationsAPPROVED

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| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.088  | 152  | 7794     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.911 | 136  | 24976    | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.712 | 164  | 15359    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.460 | 188  | 36565    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.632 | 240  | 31106    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.170 | 264  | 32926    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.431  | 96   | 6752     | 0.730 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.484 | 152  | 1390     | 0.038 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 19.478 | 212  | 3903     | 0.040 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.960 | 128  | 1799     | 0.025 | ng/ul# | 84       |
| 7) 2-Methylnaphthalene      | 12.561 | 142  | 939      | 0.022 | ng/ul  | 97       |
| 10) Acenaphthylene          | 14.444 | 152  | 4136     | 0.048 | ng/ul  | 95       |
| 11) Acenaphthene            | 14.777 | 153  | 3707     | 0.062 | ng/ul  | 99       |
| 12) Fluorene                | 15.758 | 166  | 3698     | 0.055 | ng/ul# | 97       |
| 15) Phenanthrene            | 17.502 | 178  | 80093    | 0.667 | ng/ul  | 100      |
| 16) Anthracene              | 17.595 | 178  | 15957    | 0.147 | ng/ul  | 97       |
| 19) Fluoranthene            | 19.506 | 202  | 131719   | 1.019 | ng/ul  | 97       |
| 20) Pyrene                  | 19.873 | 202  | 146373m  | 1.062 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.615 | 228  | 65555    | 0.530 | ng/ul  | 99       |
| 22) Chrysene                | 21.670 | 228  | 72521m   | 0.594 | ng/ul  |          |
| 24) Benzo(b)fluoranthene    | 23.380 | 252  | 82855m   | 0.665 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.427 | 252  | 32214m   | 0.262 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 24.053 | 252  | 63174    | 0.562 | ng/ul  | 98       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.844 | 276  | 34434    | 0.234 | ng/ul# | 93       |
| 28) Dibenzo(a,h)anthracene  | 26.857 | 278  | 8517     | 0.073 | ng/ul# | 74       |
| 29) Benzo(g,h,i)perylene    | 27.679 | 276  | 33005    | 0.270 | ng/ul  | 98       |
| -----                       |        |      |          |       |        |          |

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

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