

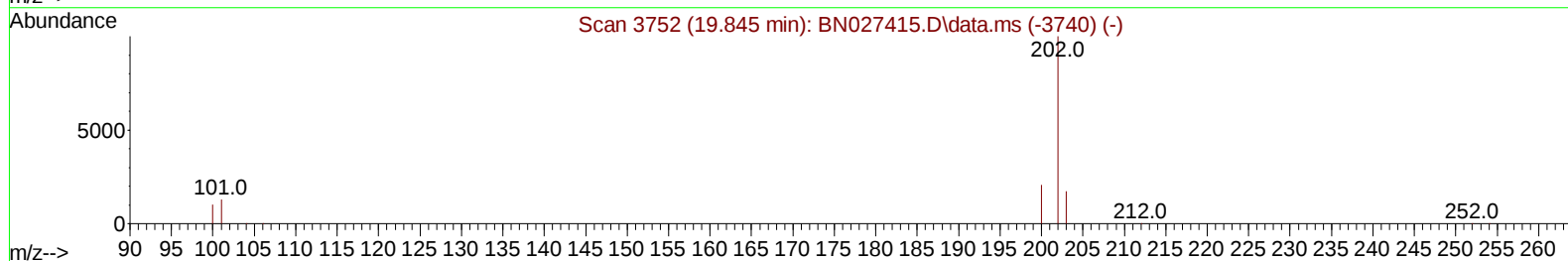
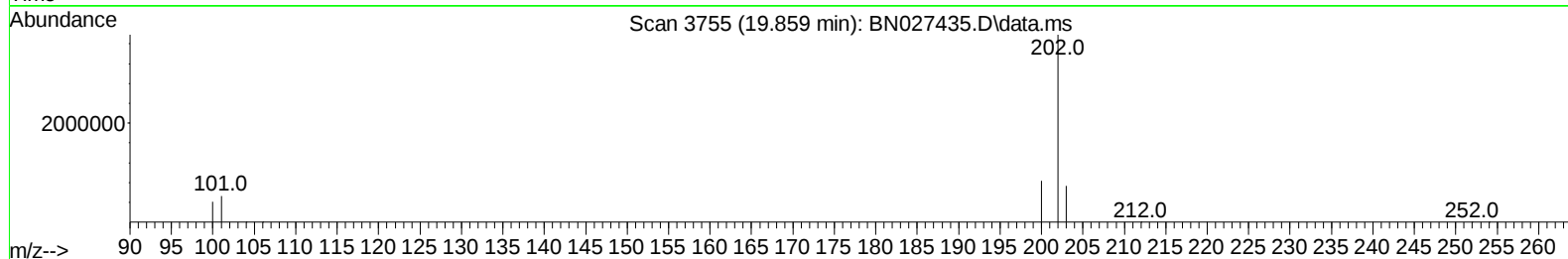
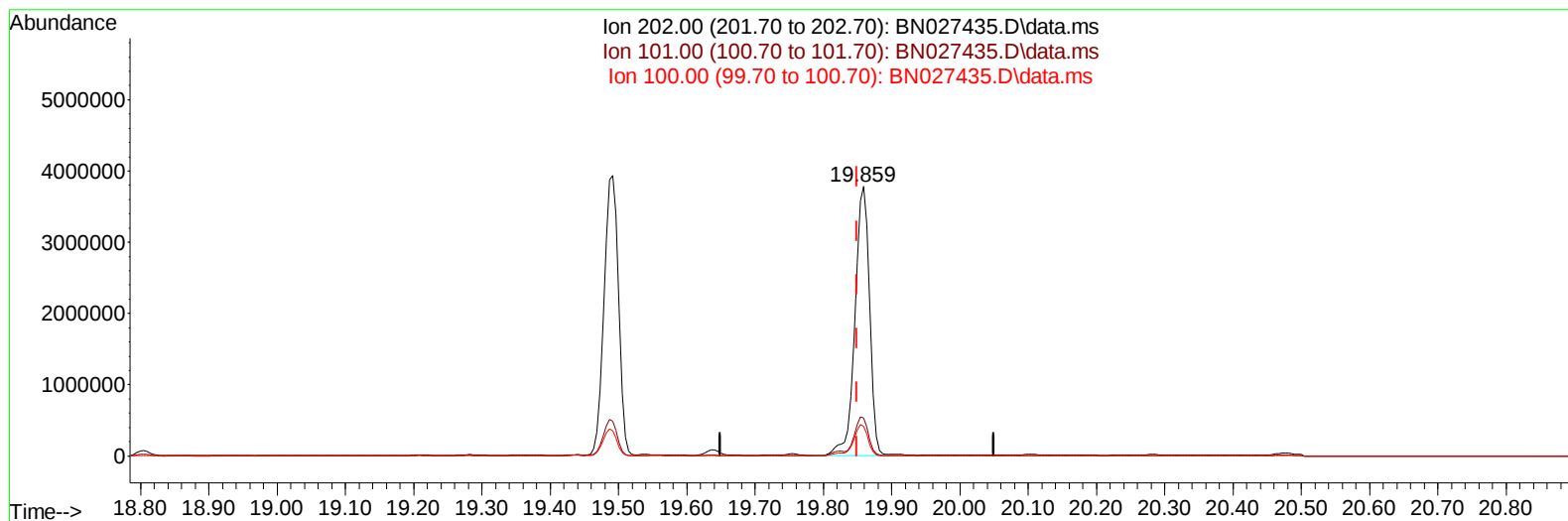
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN090623\  
 Data File : BN027435.D  
 Acq On : 07 Sep 2023 09:52  
 Operator : MA/JU  
 Sample : 04113-09  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EZYH8

Manual IntegrationsAPPROVED

Quant Time: Sep 08 01:55:41 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN090123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 02 06:16:48 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/08/2023  
 Supervised By :mohammad ahmed 09/09/2023



TIC: BN027435.D\data.ms

(20) Pyrene

19.859min (+ 0.009) 54.06 ng/u1

response 5604308

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 14.30  | 14.05  |
| 100.00 | 11.80  | 10.99  |
| 0.00   | 0.00   | 0.00   |

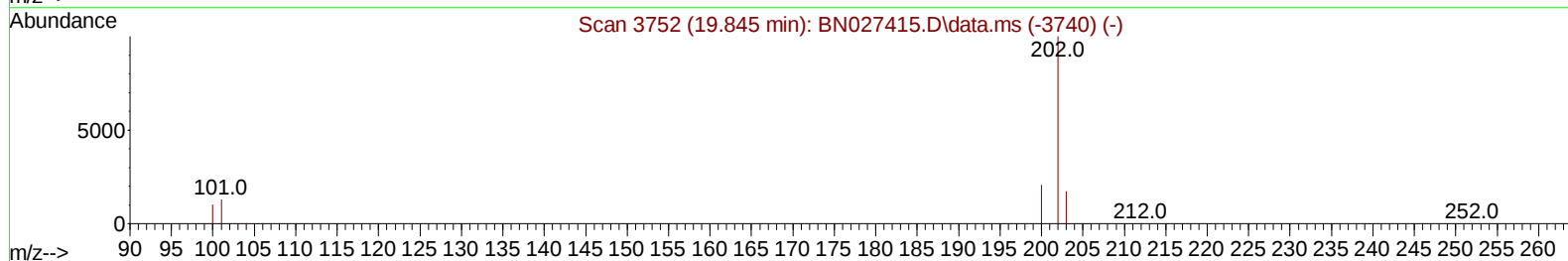
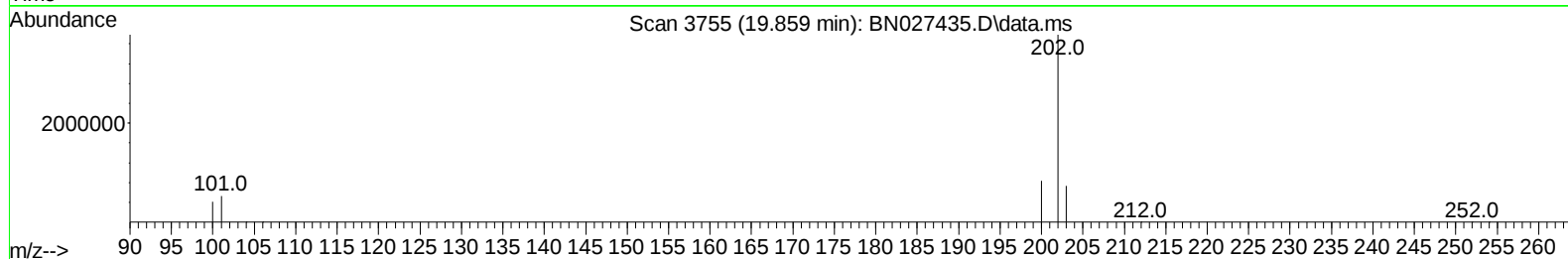
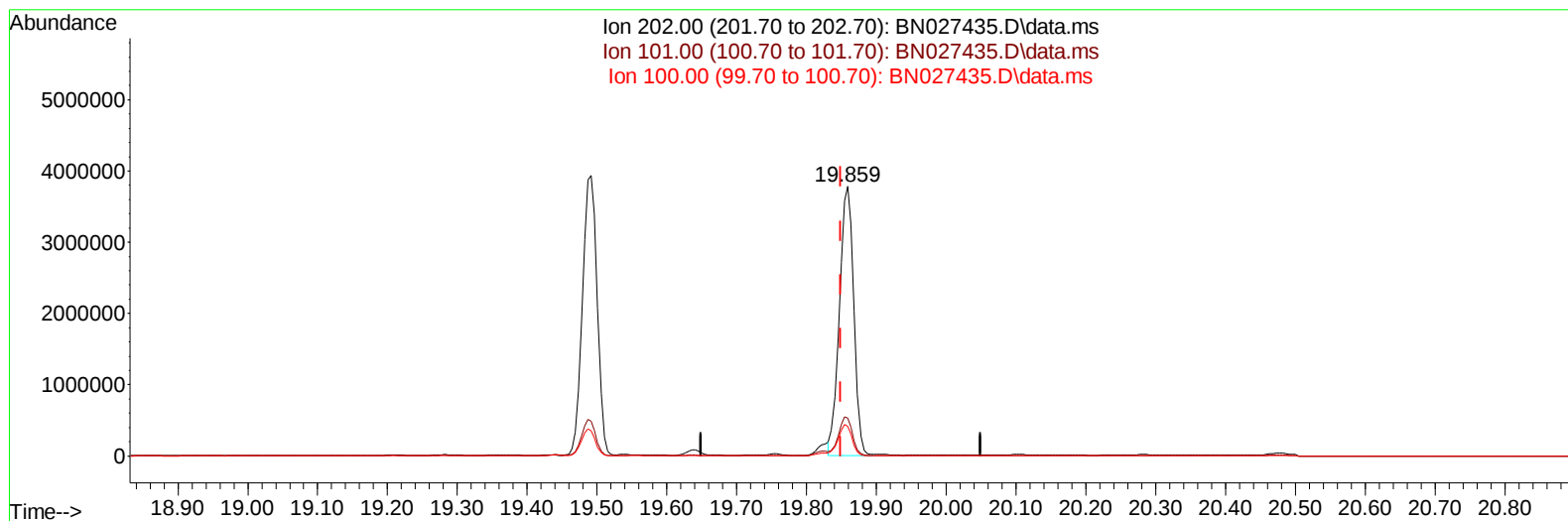
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN090623\  
Data File : BN027435.D  
Acq On : 07 Sep 2023 09:52  
Operator : MA/JU  
Sample : 04113-09  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
EZYH8

Manual IntegrationsAPPROVED

Quant Time: Sep 08 01:55:41 2023  
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TIC: BN027435.D\data.ms

(20) Pyrene

19.859min (+ 0.009) 52.14 ng/ul m

response 5405253

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 14.30  | 14.05  |
| 100.00 | 11.80  | 10.99  |
| 0.00   | 0.00   | 0.00   |

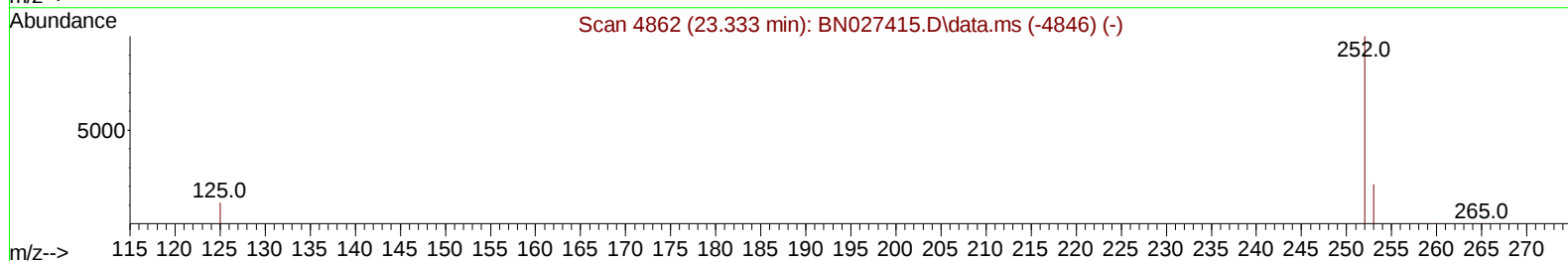
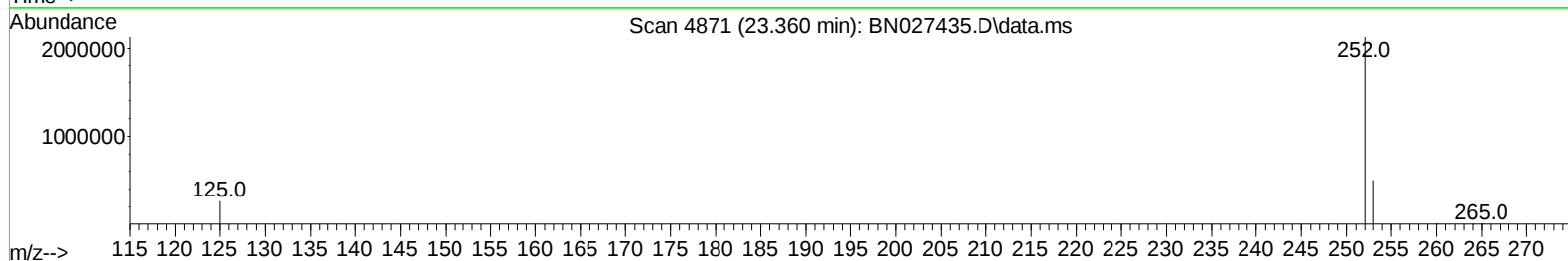
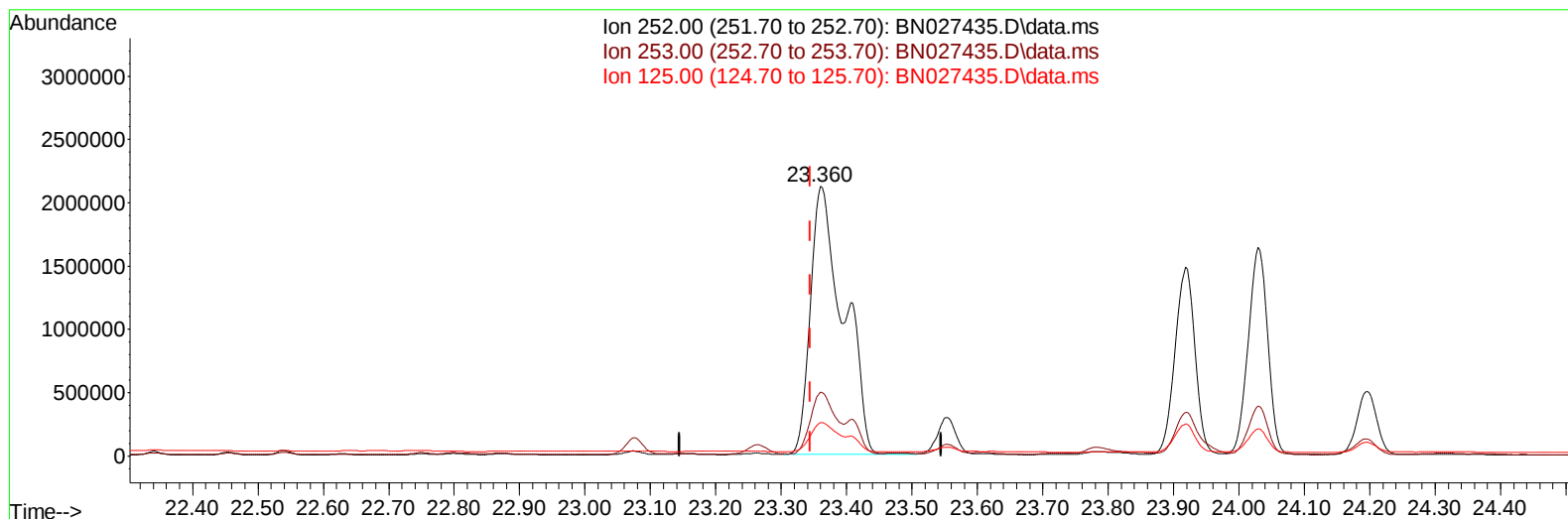
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN090623\  
Data File : BN027435.D  
Acq On : 07 Sep 2023 09:52  
Operator : MA/JU  
Sample : 04113-09  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
EZYH8

Manual IntegrationsAPPROVED

Quant Time: Sep 08 01:55:41 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN090123.M  
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Reviewed By :Yogesh Patel 09/08/2023  
Supervised By :mohammad ahmed 09/09/2023



TIC: BN027435.D\data.ms

(24) Benzo(b)fluoranthene

23.360min (+ 0.015) 72.56 ng/u1

response 7482657

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 24.80  | 23.67  |
| 125.00 | 16.90  | 12.33  |
| 0.00   | 0.00   | 0.00   |

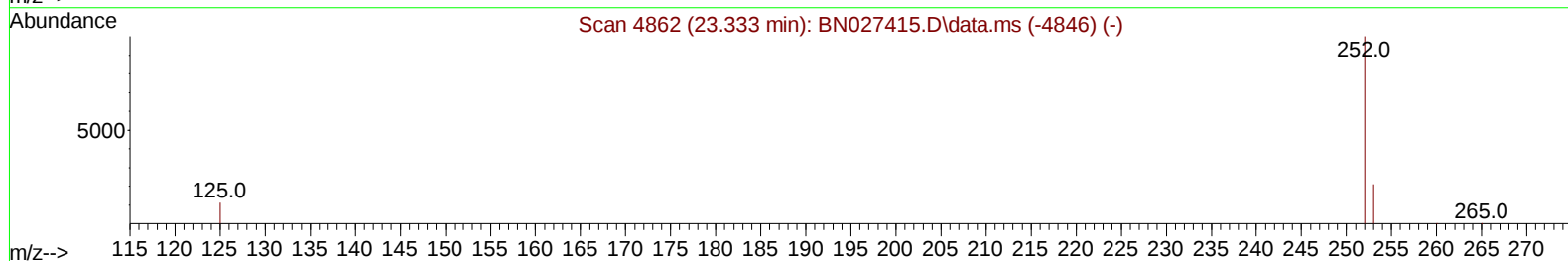
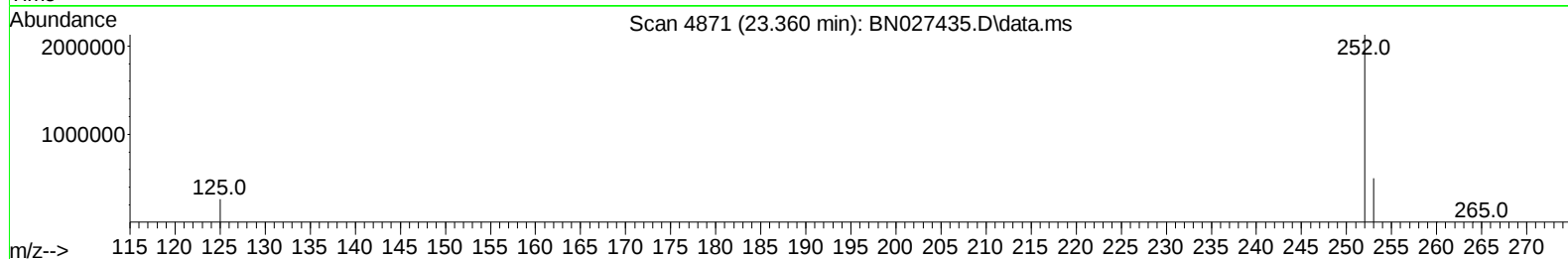
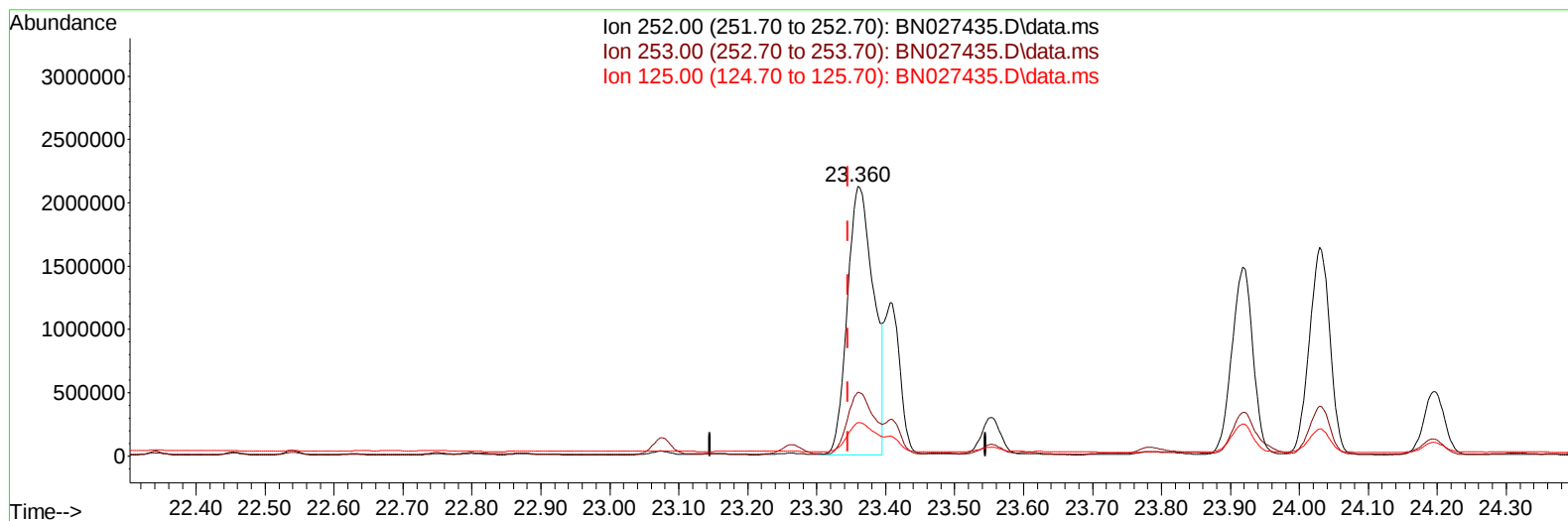
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN090623\  
Data File : BN027435.D  
Acq On : 07 Sep 2023 09:52  
Operator : MA/JU  
Sample : 04113-09  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
EZYH8

Manual IntegrationsAPPROVED

Quant Time: Sep 08 01:55:41 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN090123.M  
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QLast Update : Sat Sep 02 06:16:48 2023  
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Reviewed By :Yogesh Patel 09/08/2023  
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TIC: BN027435.D\data.ms

(24) Benzo(b)fluoranthene

23.360min (+ 0.015) 54.46 ng/ul m

response 5615351

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 24.80  | 23.67  |
| 125.00 | 16.90  | 12.33  |
| 0.00   | 0.00   | 0.00   |

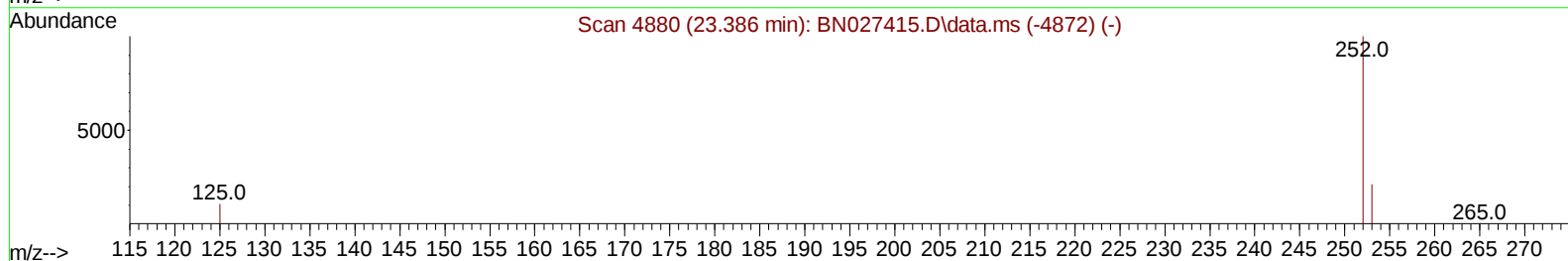
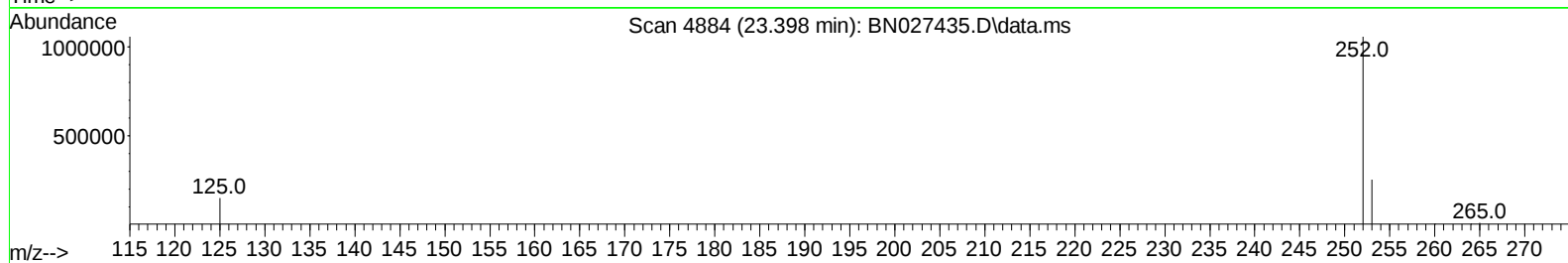
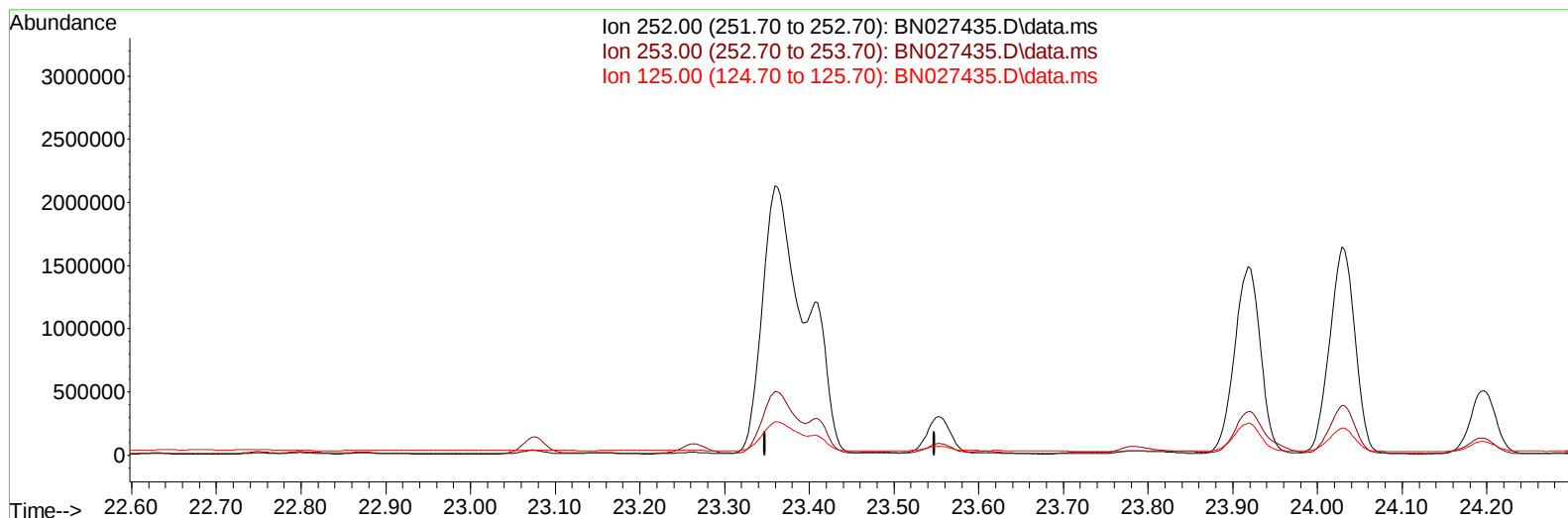
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN090623\  
 Data File : BN027435.D  
 Acq On : 07 Sep 2023 09:52  
 Operator : MA/JU  
 Sample : 04113-09  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EZYH8

Manual IntegrationsAPPROVED

Quant Time: Sep 08 01:55:41 2023  
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 QLast Update : Sat Sep 02 06:16:48 2023  
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Reviewed By :Yogesh Patel 09/08/2023  
 Supervised By :mohammad ahmed 09/09/2023



TIC: BN027435.D\data.ms

(25) Benzo(k)fluoranthene

23.398min (-23.398) 0.00 ng/u1

response 0

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 252.00 | 100.00 | 0.00  |
| 253.00 | 24.90  | 0.00# |
| 125.00 | 17.00  | 0.00# |
| 0.00   | 0.00   | 0.00  |

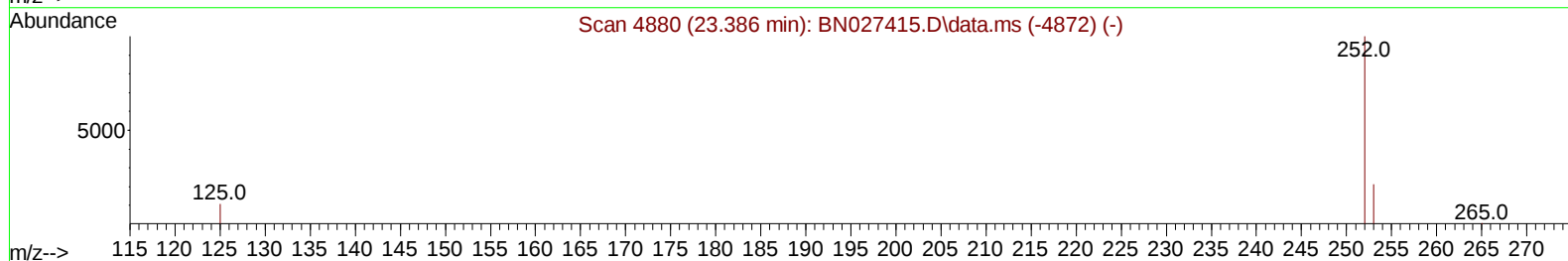
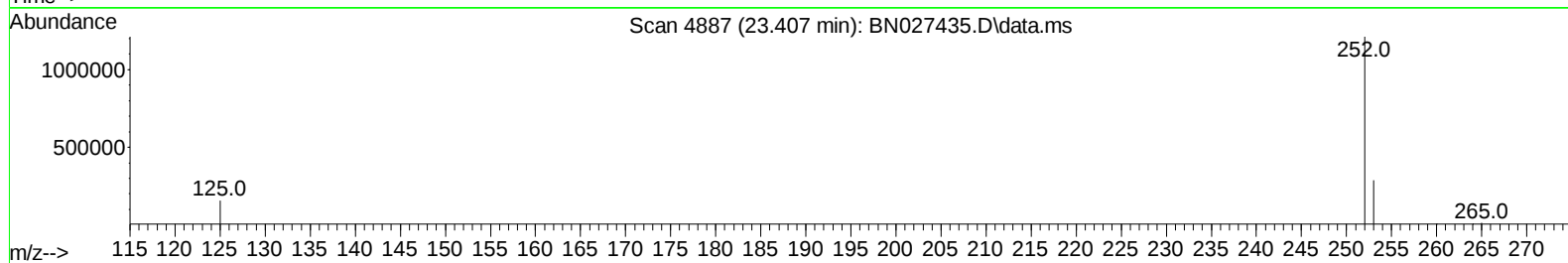
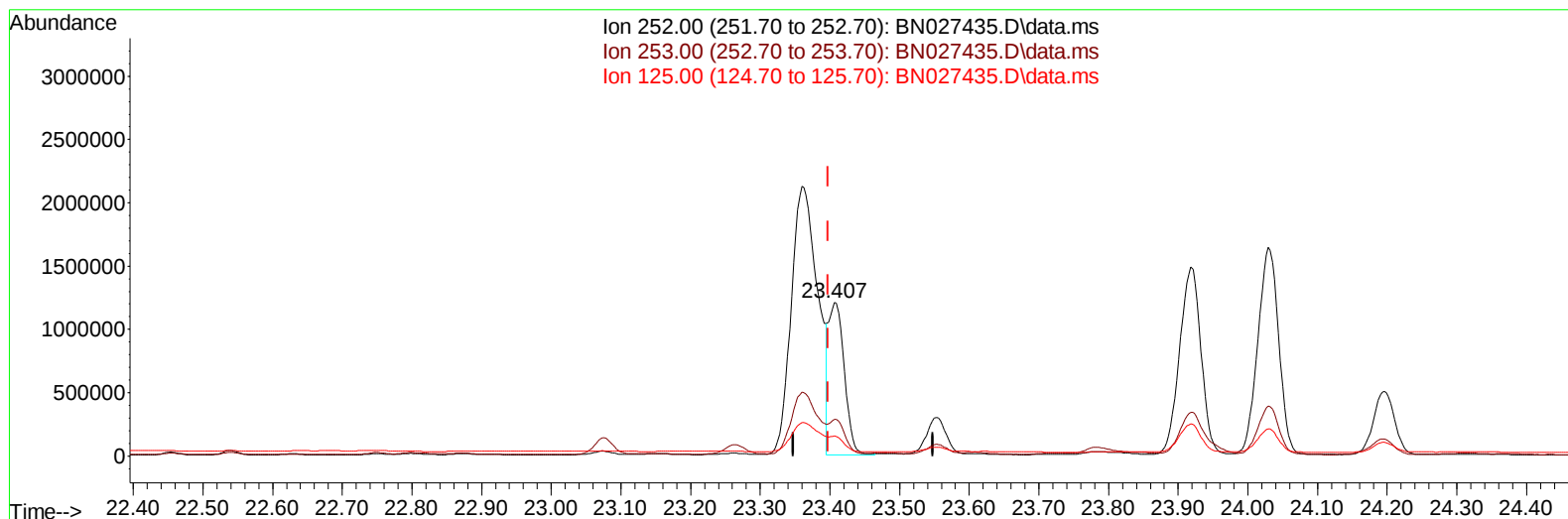
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN090623\  
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 Acq On : 07 Sep 2023 09:52  
 Operator : MA/JU  
 Sample : 04113-09  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EZYH8

Manual IntegrationsAPPROVED

Quant Time: Sep 08 01:55:41 2023  
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Reviewed By :Yogesh Patel 09/08/2023  
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TIC: BN027435.D\data.ms

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

**23.407min (+ 0.009) 18.59 ng/ul m**

**response 1874501**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 24.90  | 23.85  |
| 125.00 | 17.00  | 13.00# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN090623\  
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 Acq On : 07 Sep 2023 09:52  
 Operator : MA/JU  
 Sample : 04113-09  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EZYH8

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/08/2023  
 Supervised By :mohammad ahmed 09/09/2023

Quant Time: Sep 08 01:55:41 2023  
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| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.051  | 152  | 5846     | 0.400  | ng/ul  | # 0.00   |
| 4) Naphthalene-d8           | 10.878 | 136  | 20546    | 0.400  | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.684 | 164  | 12614    | 0.400  | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.434 | 188  | 29127    | 0.400  | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.618 | 240  | 22140    | 0.400  | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 24.140 | 264  | 21835    | 0.400  | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.410  | 96   | 16380    | 2.106  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.451 | 152  | 5242     | 0.168  | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.455 | 212  | 14530    | 0.192  | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        |        | Qvalue   |
| 5) Naphthalene              | 10.927 | 128  | 162226   | 2.722  | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 12.528 | 142  | 139225   | 3.734  | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.742 | 142  | 107416   | 2.704  | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.416 | 152  | 264219   | 4.575  | ng/ul  | 99       |
| 11) Acenaphthene            | 14.749 | 153  | 131019   | 2.637  | ng/ul  | 98       |
| 12) Fluorene                | 15.730 | 166  | 267097   | 4.798  | ng/ul  | 99       |
| 15) Phenanthrene            | 17.481 | 178  | 2842031  | 29.954 | ng/ul  | 99       |
| 16) Anthracene              | 17.569 | 178  | 1272856  | 16.874 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.492 | 202  | 5784306  | 56.813 | ng/ul  | 99       |
| 20) Pyrene                  | 19.859 | 202  | 5405253m | 52.142 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.600 | 228  | 3115733  | 39.066 | ng/ul  | 96       |
| 22) Chrysene                | 21.656 | 228  | 4215285  | 45.272 | ng/ul  | 96       |
| 24) Benzo(b)fluoranthene    | 23.360 | 252  | 5615351m | 54.455 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.407 | 252  | 1874501m | 18.592 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 24.029 | 252  | 3423296  | 42.508 | ng/ul# | 88       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.803 | 276  | 3001044  | 33.548 | ng/ul# | 87       |
| 28) Dibenzo(a,h)anthracene  | 26.817 | 278  | 814978   | 11.916 | ng/ul  | 99       |
| 29) Benzo(g,h,i)perylene    | 27.645 | 276  | 3032000  | 37.557 | ng/ul  | 96       |
| -----                       |        |      |          |        |        |          |

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

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EZYH8

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