

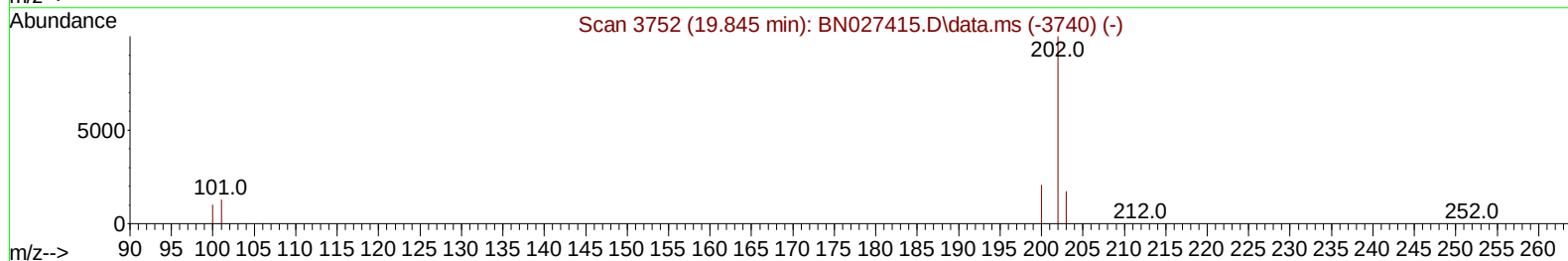
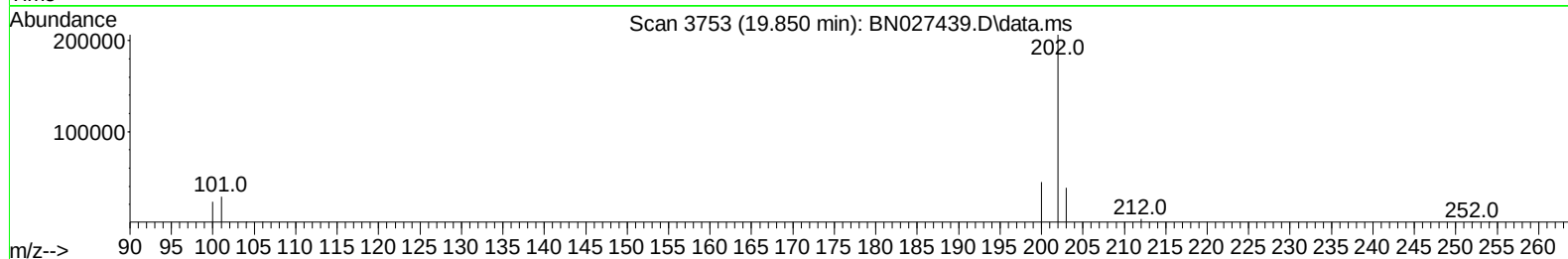
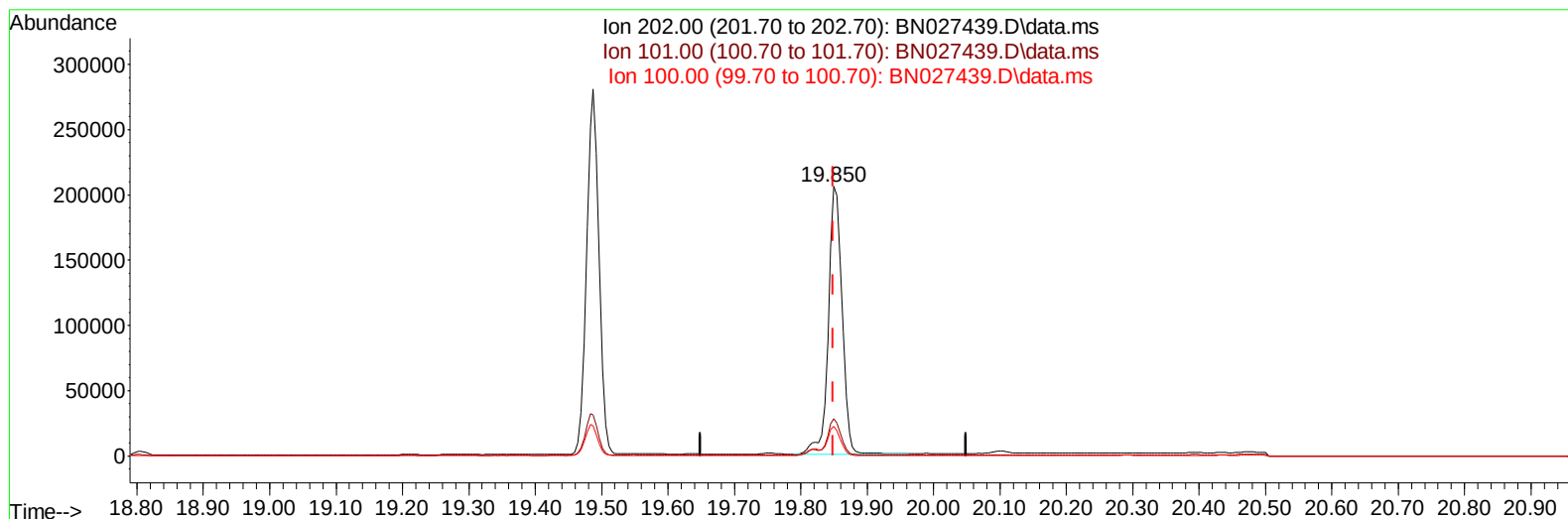
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN090623\  
 Data File : BN027439.D  
 Acq On : 07 Sep 2023 12:53  
 Operator : MA/JU  
 Sample : 04113-08DL 5X  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EZYH7DL

Manual IntegrationsAPPROVED

Quant Time: Sep 08 01:56:25 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: BN027439.D\data.ms

**(20) Pyrene**

**19.850min (+ 0.000) 2.40 ng/ul**

**response 295215**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 14.30  | 13.90  |
| 100.00 | 11.80  | 11.00  |
| 0.00   | 0.00   | 0.00   |

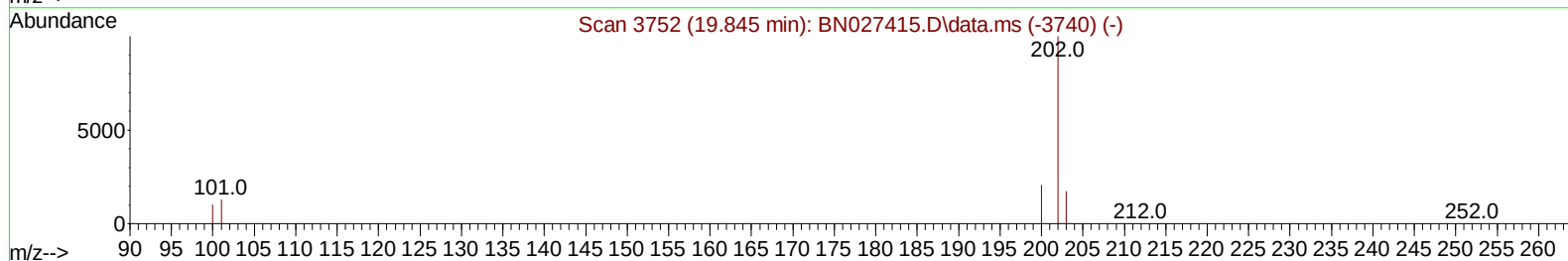
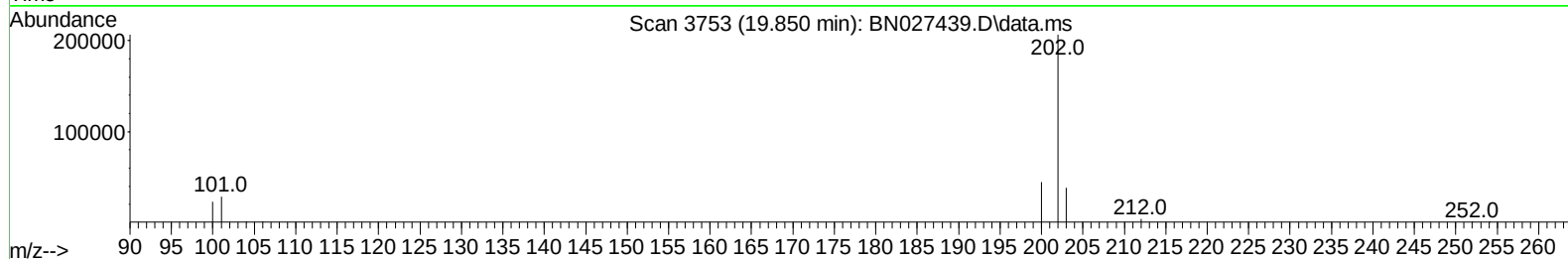
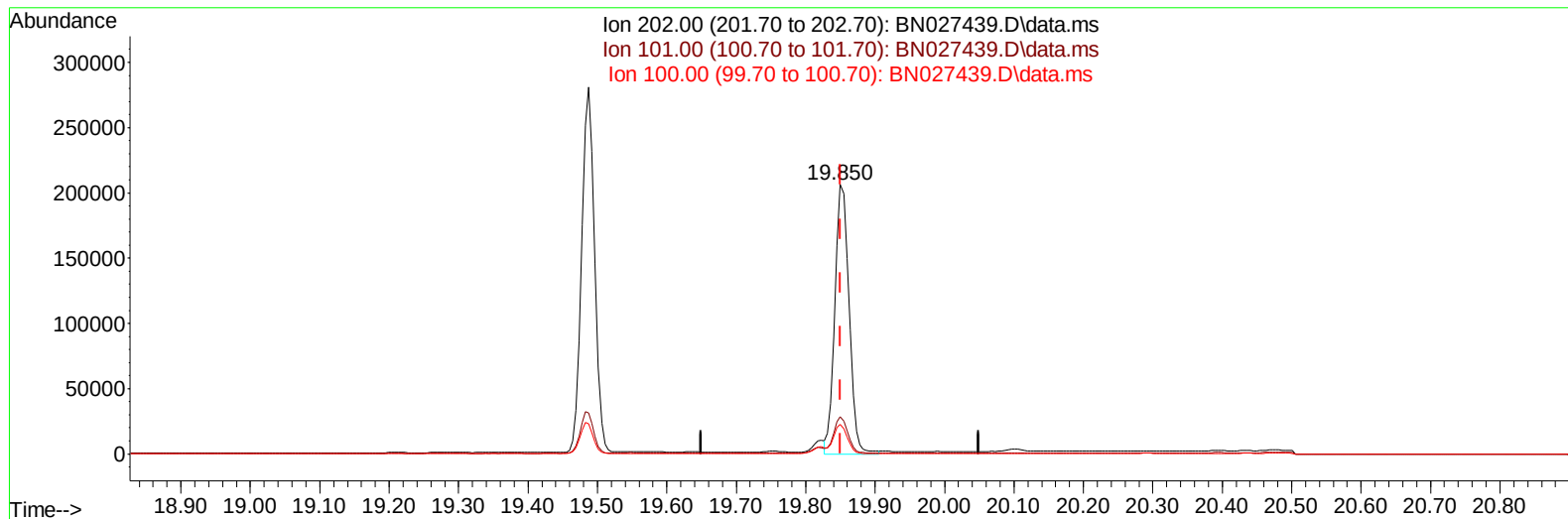
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TIC: BN027439.D\data.ms

(20) Pyrene

19.850min (+ 0.000) 2.36 ng/ul m

response 289613

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 14.30  | 13.90  |
| 100.00 | 11.80  | 11.00  |
| 0.00   | 0.00   | 0.00   |

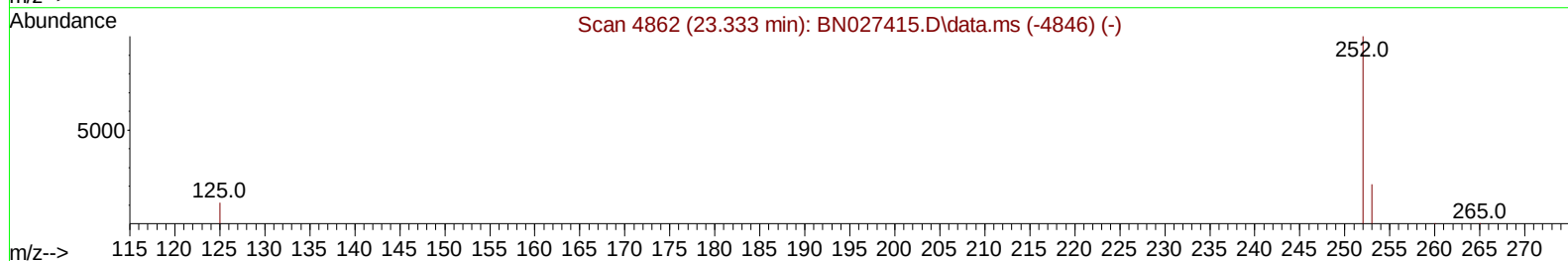
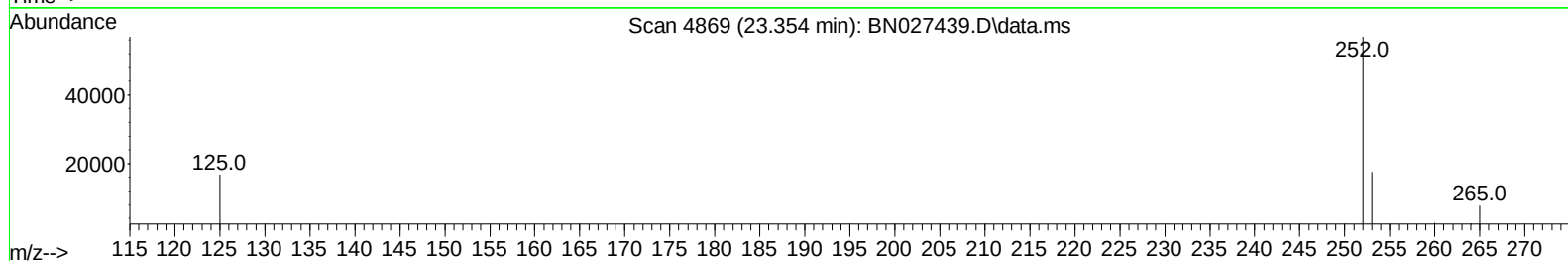
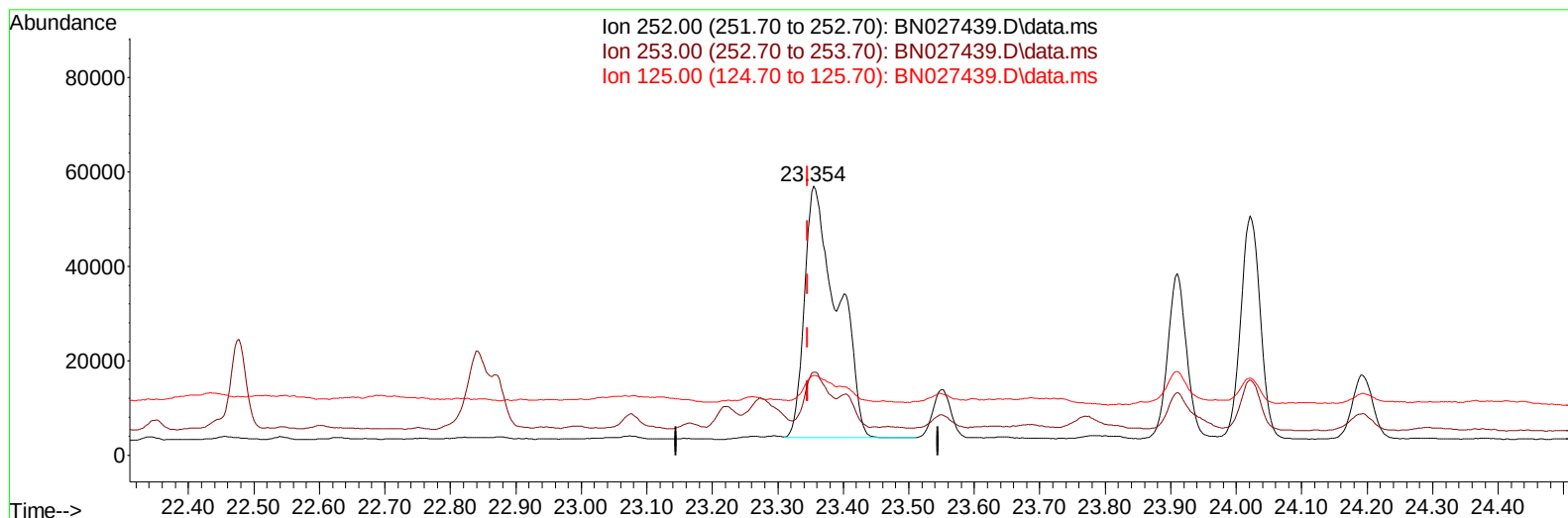
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Instrument :  
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Manual IntegrationsAPPROVED

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TIC: BN027439.D\data.ms

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

**23.354min (+ 0.009) 1.49 ng/u1**

**response 186688**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 24.80  | 30.68  |
| 125.00 | 16.90  | 29.59  |
| 0.00   | 0.00   | 0.00   |

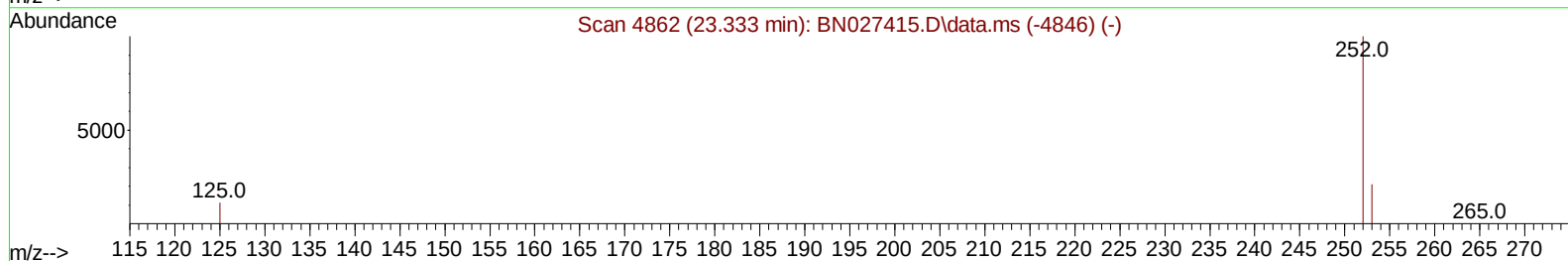
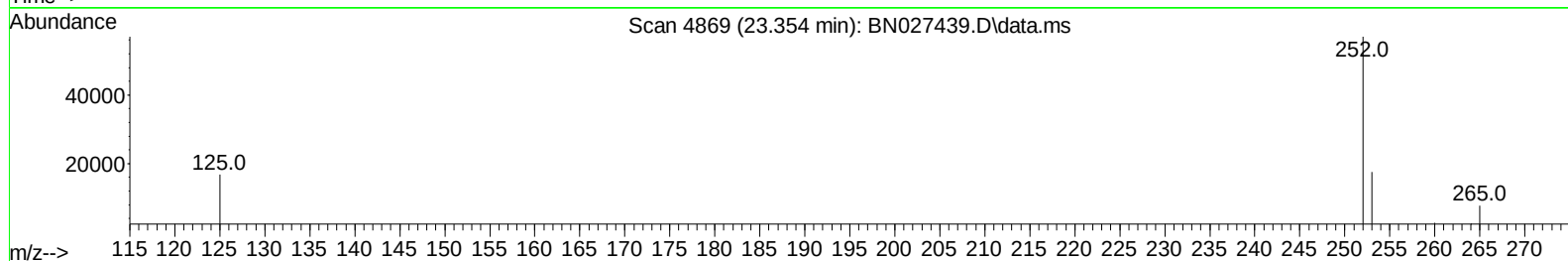
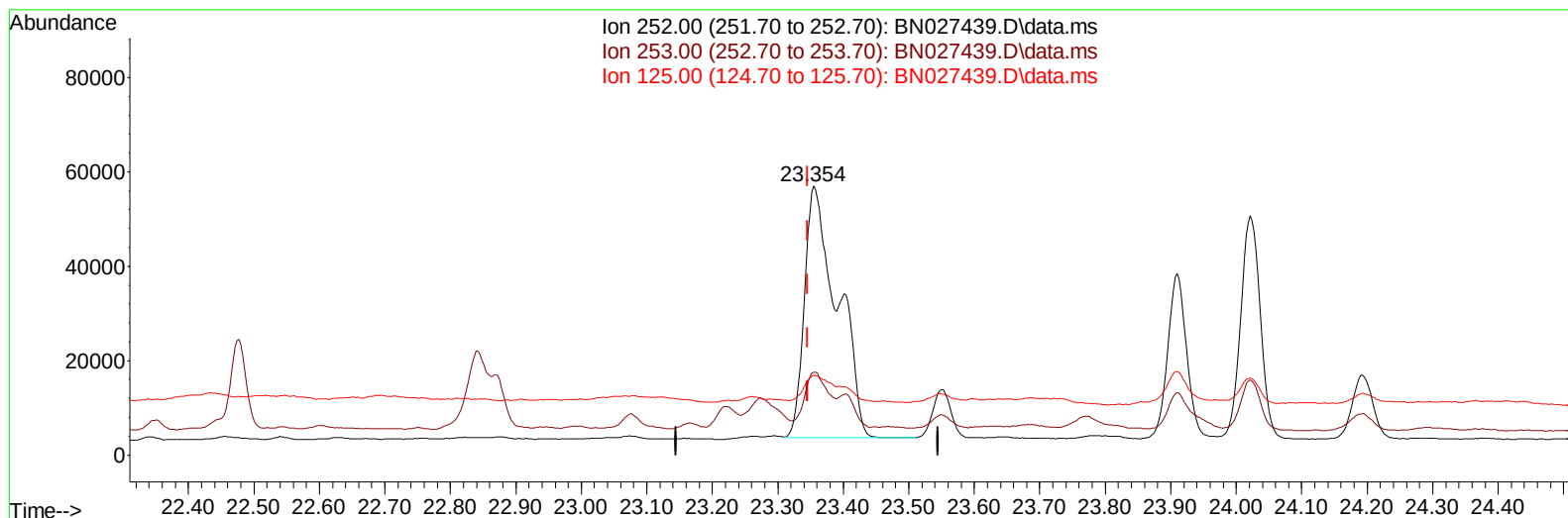
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN090623\  
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 Operator : MA/JU  
 Sample : 04113-08DL 5X  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EZYH7DL

Manual IntegrationsAPPROVED

Quant Time: Sep 08 01:56:25 2023  
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TIC: BN027439.D\data.ms

(24) Benzo(b)fluoranthene

23.354min (+ 0.009) 1.49 ng/u1

response 186688

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 24.80  | 30.68  |
| 125.00 | 16.90  | 29.59  |
| 0.00   | 0.00   | 0.00   |

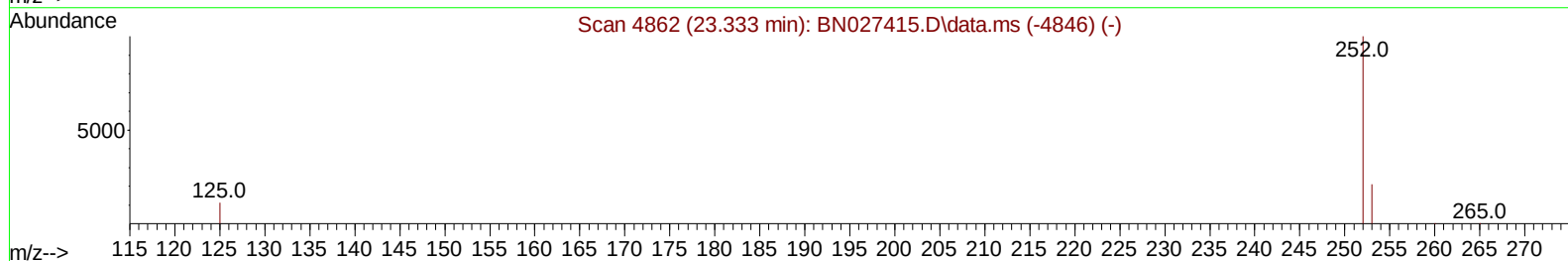
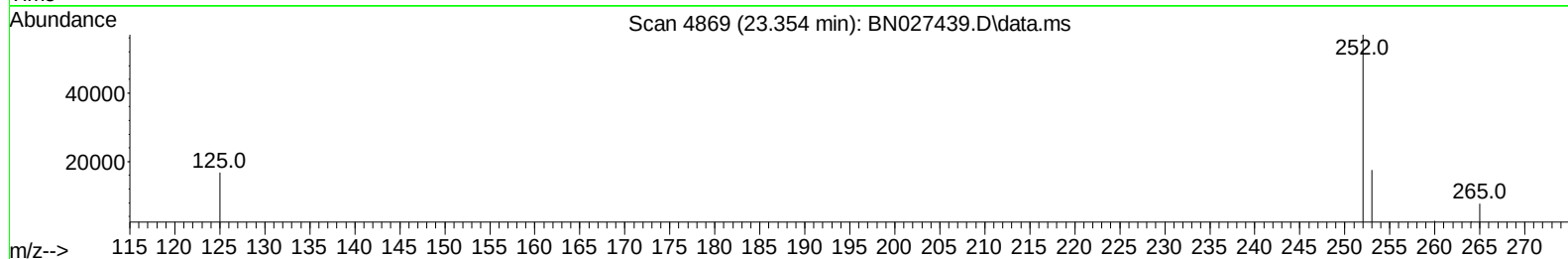
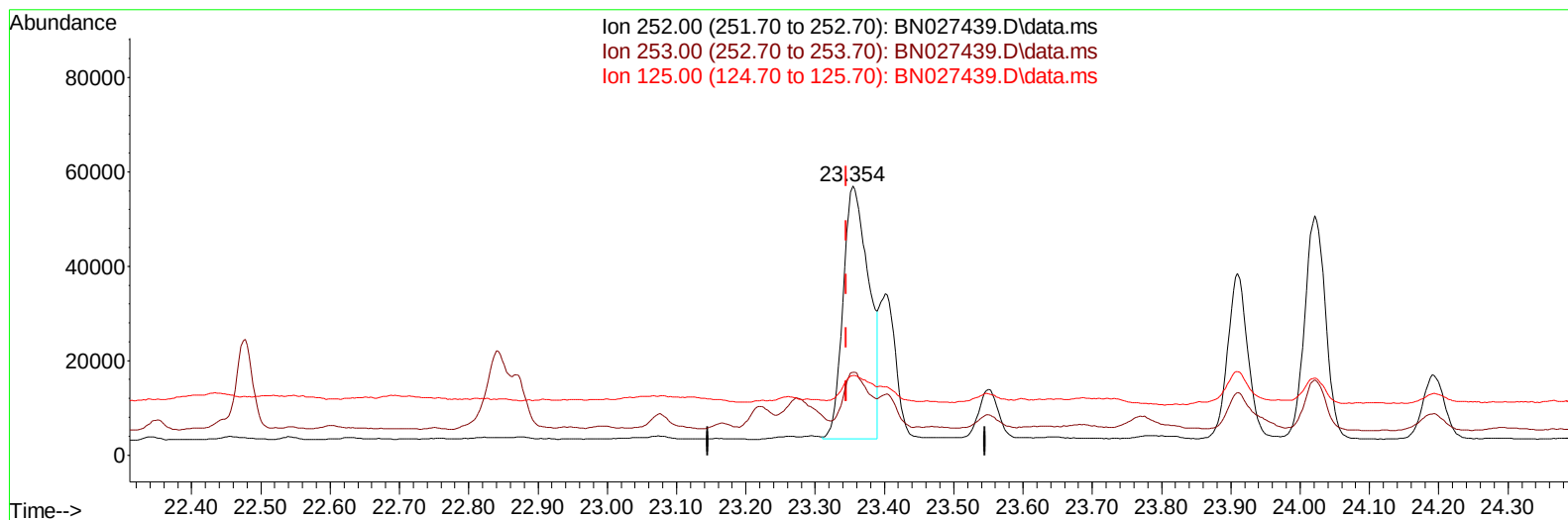
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 Operator : MA/JU  
 Sample : 04113-08DL 5X  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EZYH7DL

Manual IntegrationsAPPROVED

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TIC: BN027439.D\data.ms

(24) Benzo(b)fluoranthene

23.354min (+ 0.009) 1.10 ng/ul m

response 138184

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 24.80  | 30.68  |
| 125.00 | 16.90  | 29.59  |
| 0.00   | 0.00   | 0.00   |

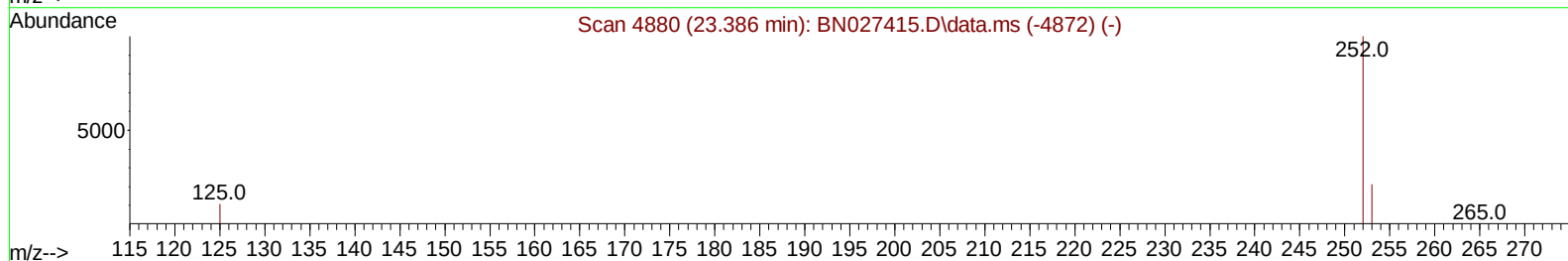
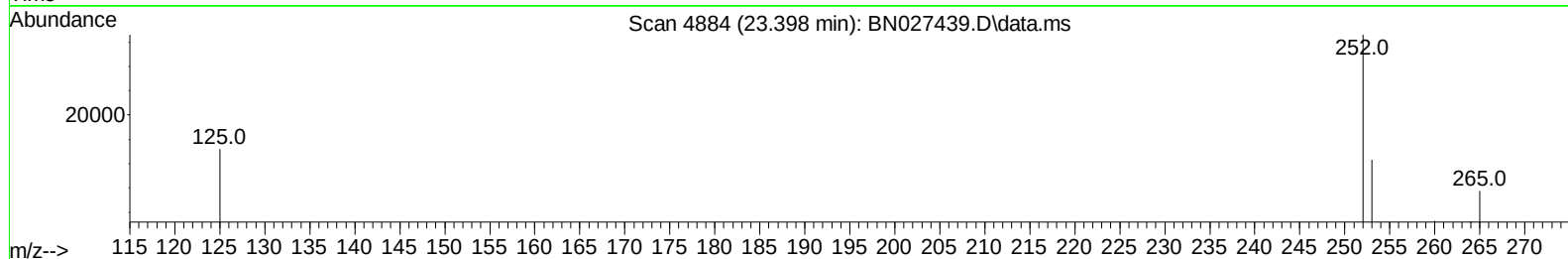
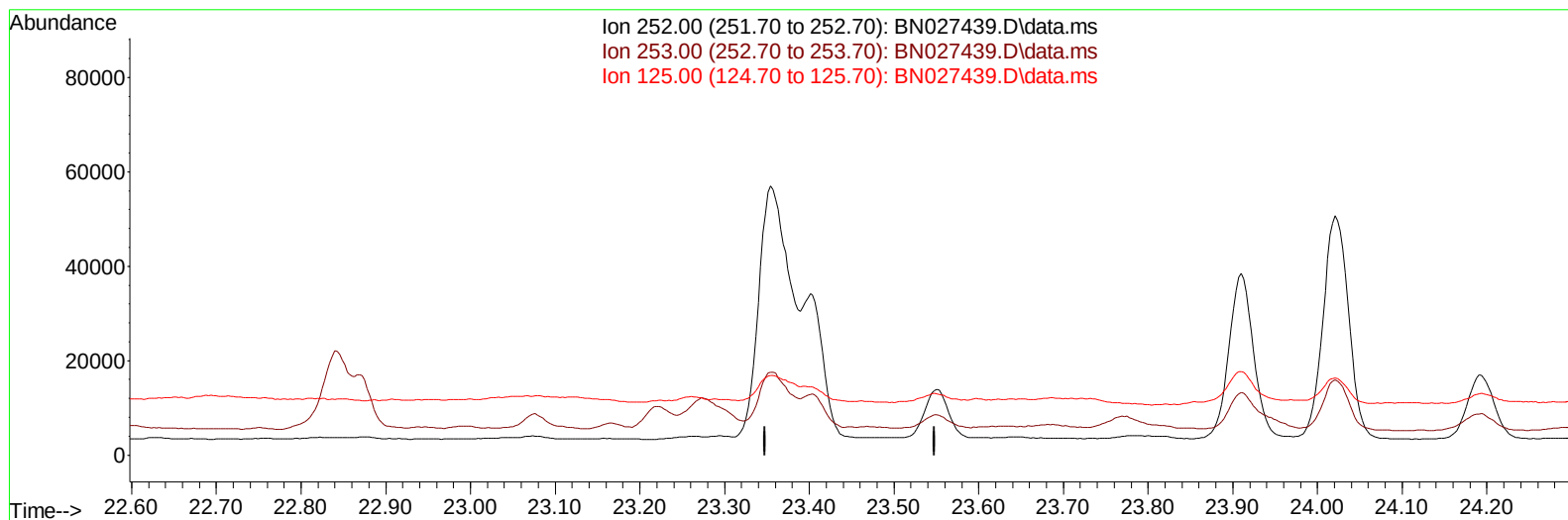
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN090623\  
 Data File : BN027439.D  
 Acq On : 07 Sep 2023 12:53  
 Operator : MA/JU  
 Sample : 04113-08DL 5X  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EZYH7DL

Manual IntegrationsAPPROVED

Quant Time: Sep 08 01:56:25 2023  
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 Response via : Initial Calibration

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



TIC: BN027439.D\data.ms

(25) Benzo(k)fluoranthene

23.398min (-23.398) 0.00 ng/ul

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  |

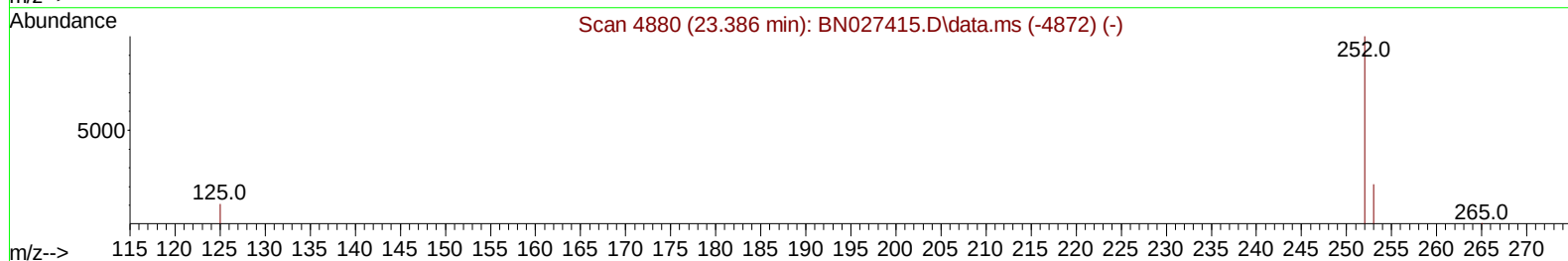
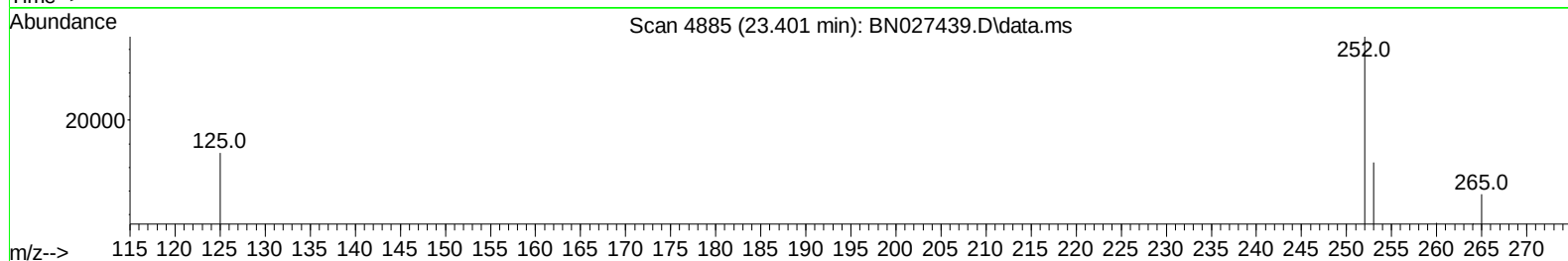
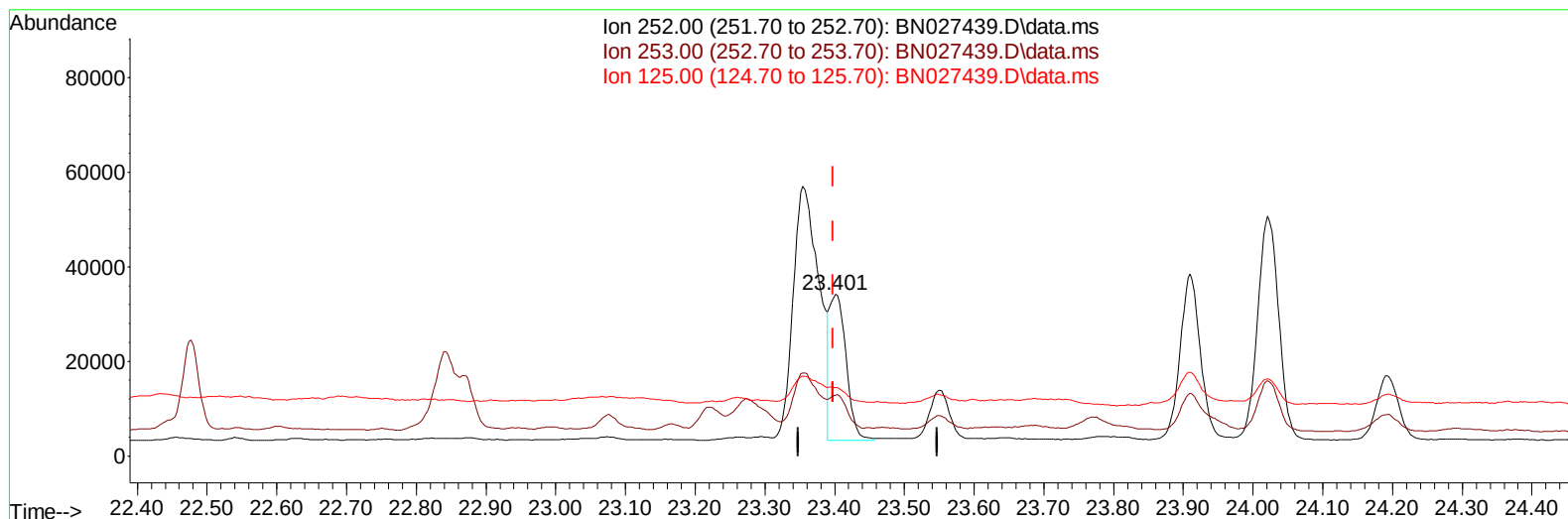
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 Operator : MA/JU  
 Sample : 04113-08DL 5X  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EZYH7DL

Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 09/09/2023



TIC: BN027439.D\data.ms

(25) Benzo(k)fluoranthene

23.401min (+ 0.003) 0.42 ng/ul m

response 50943

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 24.90  | 37.59# |
| 125.00 | 17.00  | 42.50# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN090623\  
 Data File : BN027439.D  
 Acq On : 07 Sep 2023 12:53  
 Operator : MA/JU  
 Sample : 04113-08DL 5X  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EZYH7DL

## Manual IntegrationsAPPROVED

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

Quant Time: Sep 08 01:56:25 2023  
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| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.055  | 152  | 9118     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.878 | 136  | 29534    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.689 | 164  | 17114    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.434 | 188  | 37338    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.615 | 240  | 26244    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 24.138 | 264  | 26576    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.414  | 96   | 5367     | 0.442 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.456 | 152  | 1603     | 0.036 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.455 | 212  | 3481     | 0.039 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.927 | 128  | 6387     | 0.075 | ng/ul# | 94       |
| 7) 2-Methylnaphthalene      | 12.528 | 142  | 3923     | 0.073 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.742 | 142  | 2734     | 0.048 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.749 | 153  | 14191    | 0.211 | ng/ul  | 97       |
| 12) Fluorene                | 15.730 | 166  | 15596    | 0.206 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.477 | 178  | 214053   | 1.760 | ng/ul  | 99       |
| 16) Anthracene              | 17.570 | 178  | 55490    | 0.574 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.487 | 202  | 366398   | 3.036 | ng/ul  | 99       |
| 20) Pyrene                  | 19.850 | 202  | 289613m  | 2.357 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.598 | 228  | 130203   | 1.377 | ng/ul# | 93       |
| 22) Chrysene                | 21.653 | 228  | 114430   | 1.037 | ng/ul# | 89       |
| 24) Benzo(b)fluoranthene    | 23.354 | 252  | 138184m  | 1.101 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.401 | 252  | 50943m   | 0.415 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 24.021 | 252  | 99777    | 1.018 | ng/ul# | 87       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.790 | 276  | 61318    | 0.563 | ng/ul# | 88       |
| 28) Dibenzo(a,h)anthracene  | 26.804 | 278  | 14979    | 0.180 | ng/ul# | 1        |
| 29) Benzo(g,h,i)perylene    | 27.632 | 276  | 61579    | 0.627 | ng/ul# | 84       |
| -----                       |        |      |          |       |        |          |

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



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