

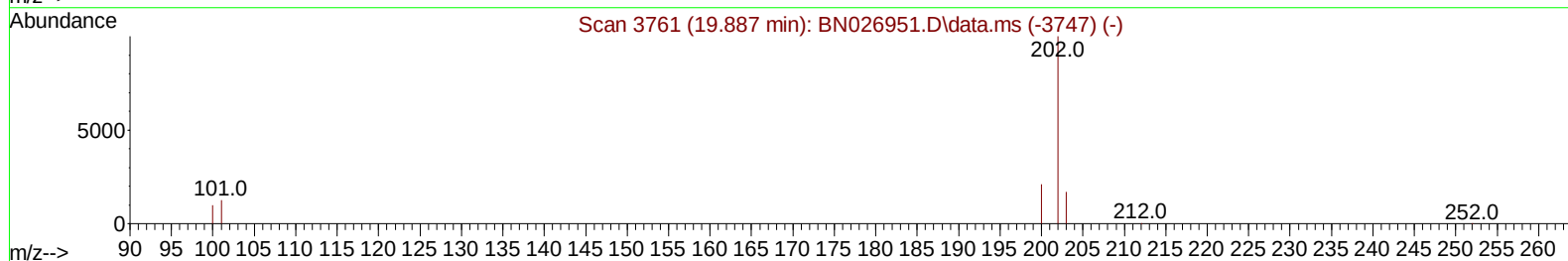
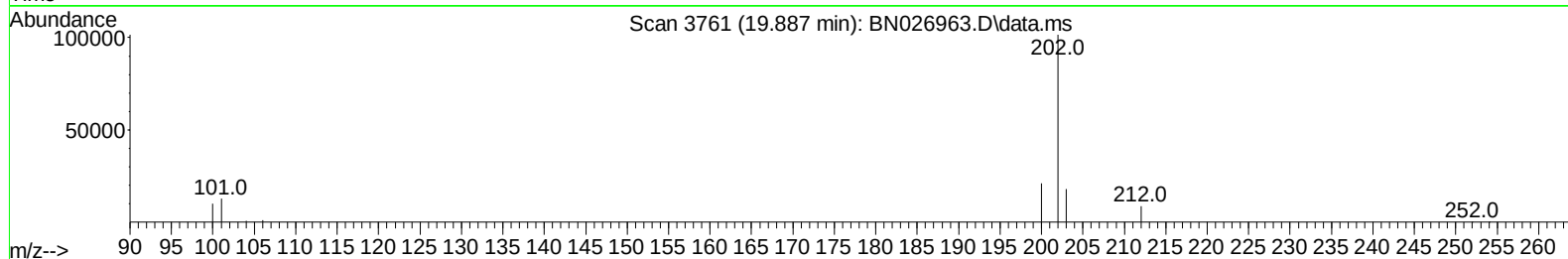
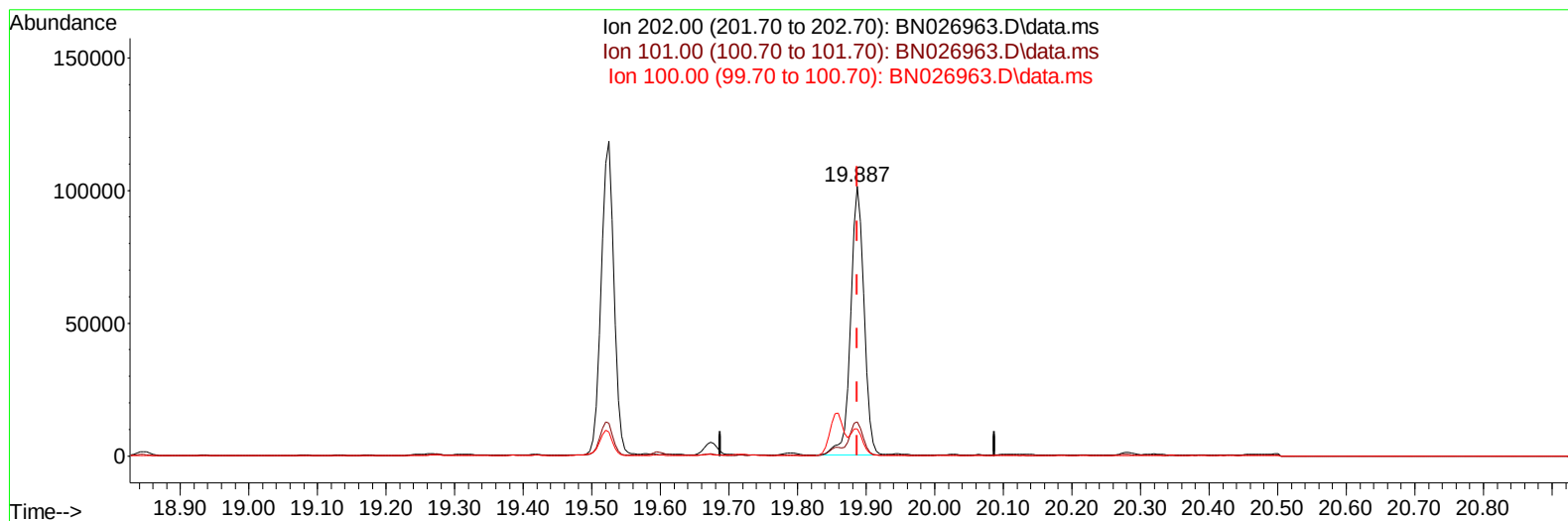
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081823\  
Data File : BN026963.D  
Acq On : 18 Aug 2023 17:23  
Operator : MA/JU  
Sample : 03965-06  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A48H2

Manual IntegrationsAPPROVED

Quant Time: Aug 18 19:09:57 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 08/21/2023  
Supervised By :mohammad ahmed 08/21/2023



TIC: BN026963.D\data.ms

(20) Pyrene

19.887min (-0.000) 1.40 ng/u1

response 137747

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 13.40  | 12.63  |
| 100.00 | 10.60  | 9.97   |
| 0.00   | 0.00   | 0.00   |

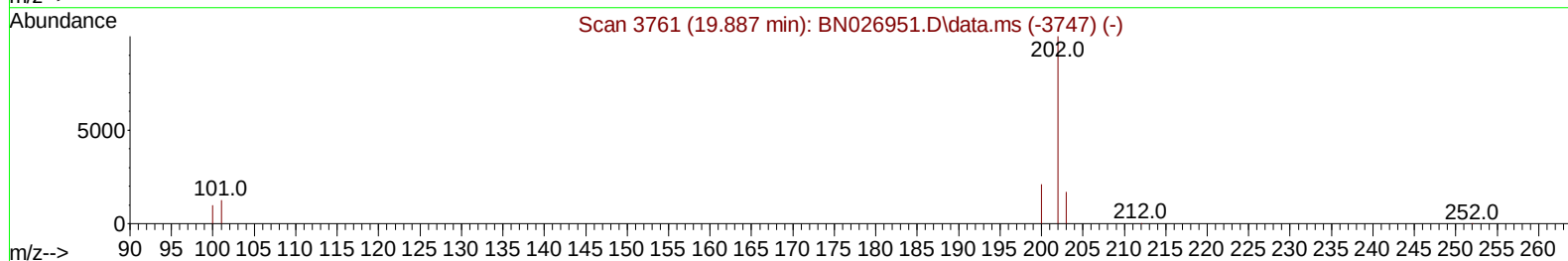
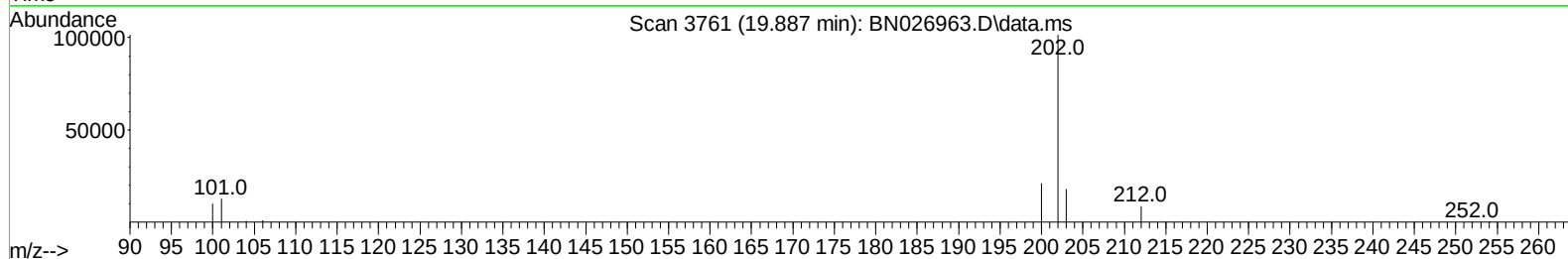
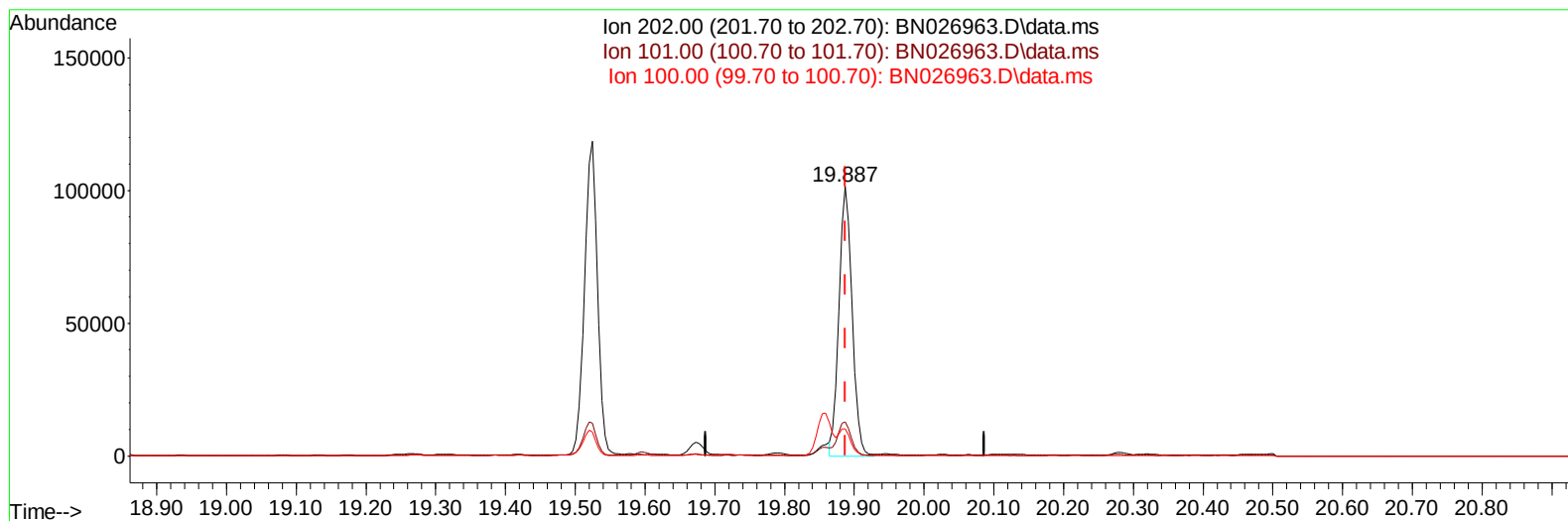
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Manual IntegrationsAPPROVED

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TIC: BN026963.D\data.ms

(20) Pyrene

19.887min (-0.000) 1.37 ng/ul m

response 134262

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 13.40  | 12.63  |
| 100.00 | 10.60  | 9.97   |
| 0.00   | 0.00   | 0.00   |

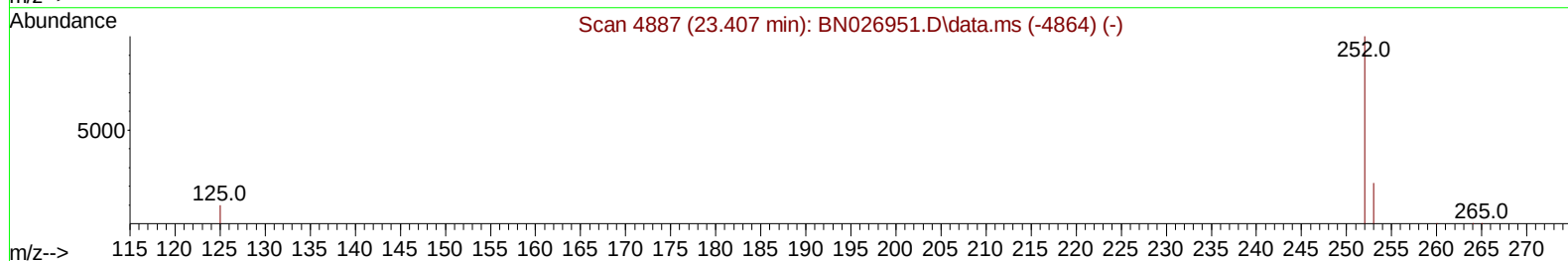
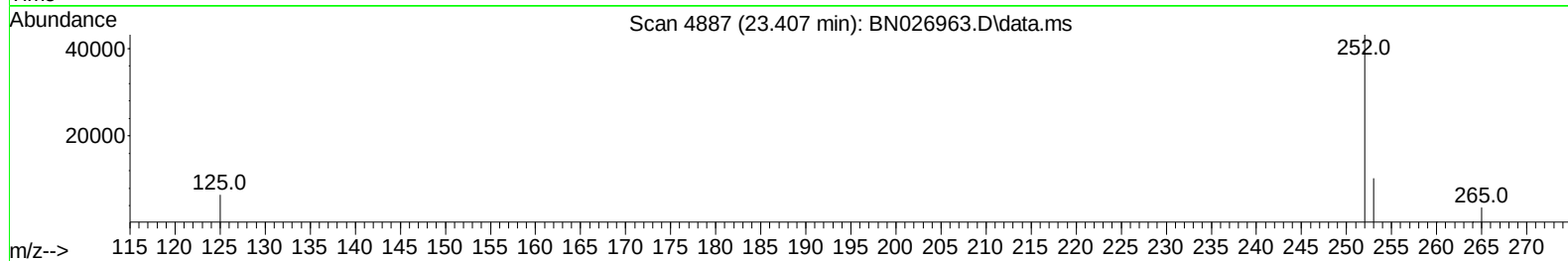
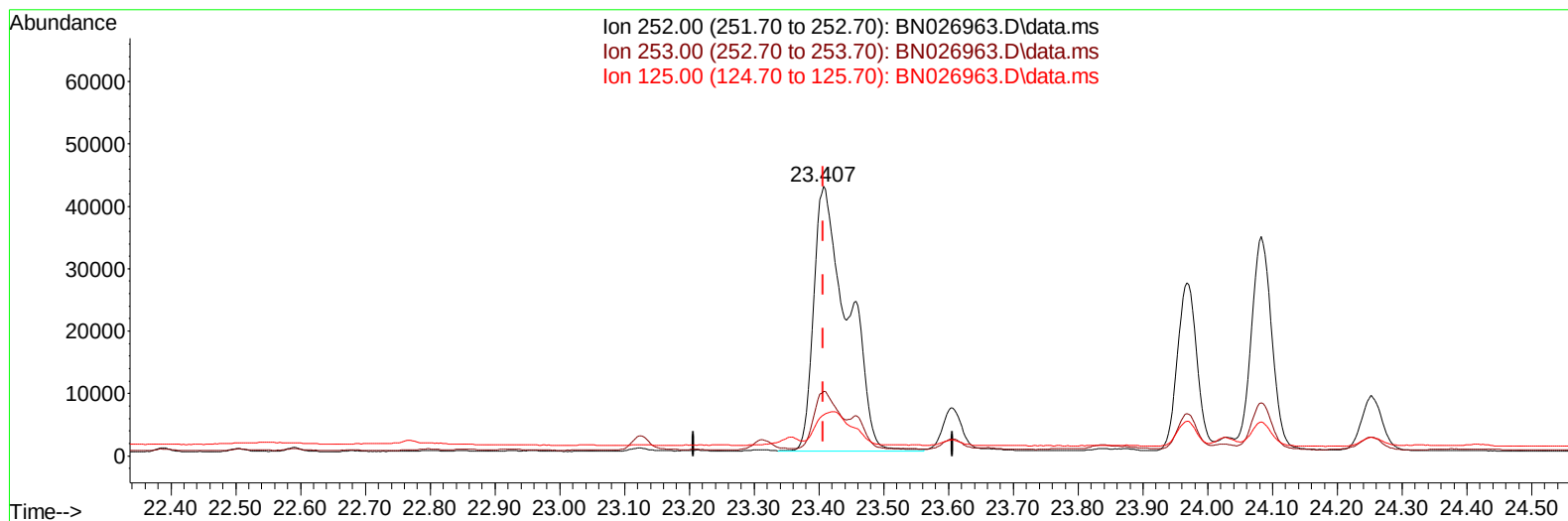
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081823\  
 Data File : BN026963.D  
 Acq On : 18 Aug 2023 17:23  
 Operator : MA/JU  
 Sample : 03965-06  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48H2

Manual IntegrationsAPPROVED

Quant Time: Aug 18 19:09:57 2023  
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TIC: BN026963.D\data.ms

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

**23.407min (-0.000) 1.68 ng/u1**

**response 154498**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 23.40  | 23.96  |
| 125.00 | 12.60  | 15.22  |
| 0.00   | 0.00   | 0.00   |

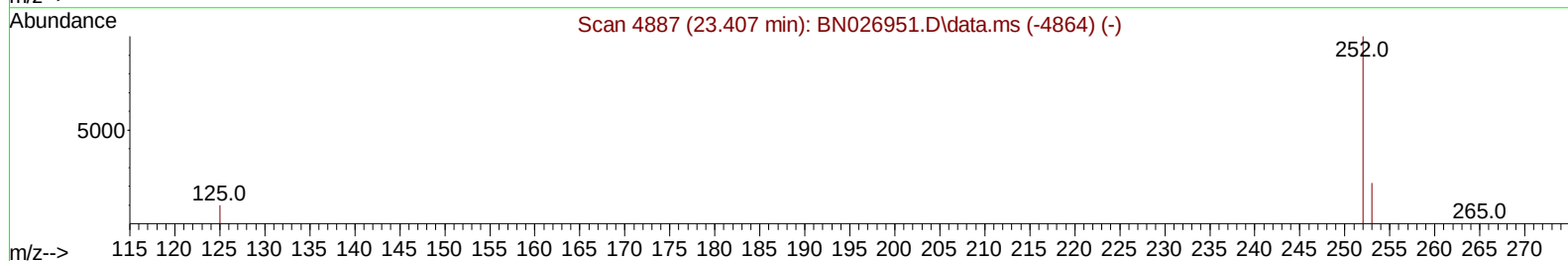
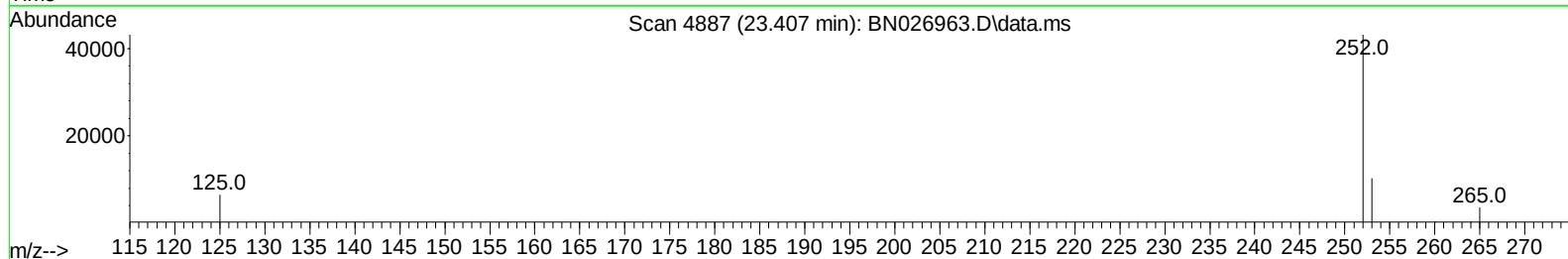
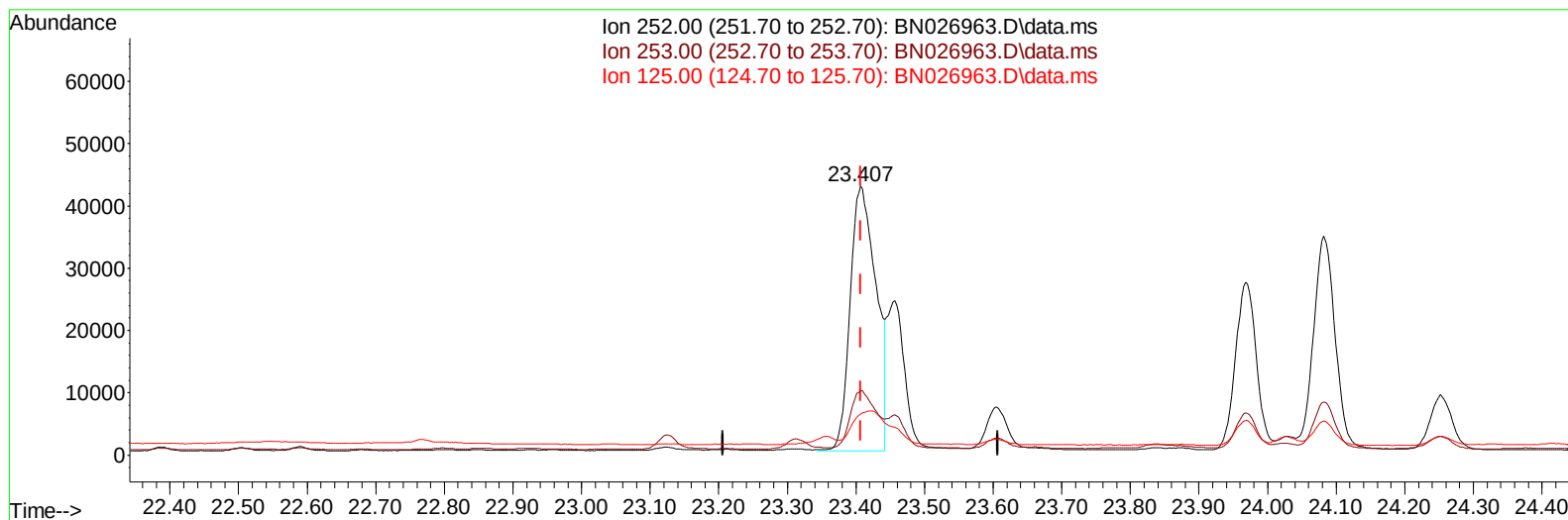
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081823\  
 Data File : BN026963.D  
 Acq On : 18 Aug 2023 17:23  
 Operator : MA/JU  
 Sample : 03965-06  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48H2

Manual IntegrationsAPPROVED

Quant Time: Aug 18 19:09:57 2023  
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TIC: BN026963.D\data.ms

(24) Benzo(b)fluoranthene

23.407min (-0.000) 1.22 ng/ul m

response 112127

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 23.40  | 23.96  |
| 125.00 | 12.60  | 15.22  |
| 0.00   | 0.00   | 0.00   |

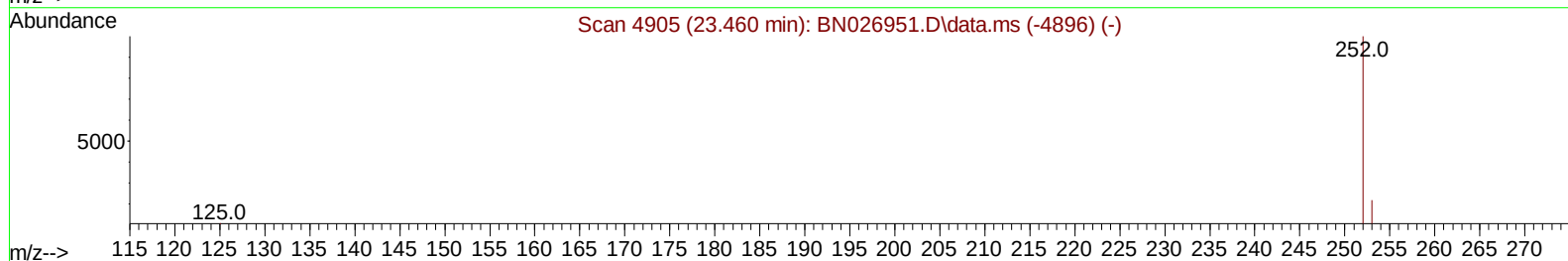
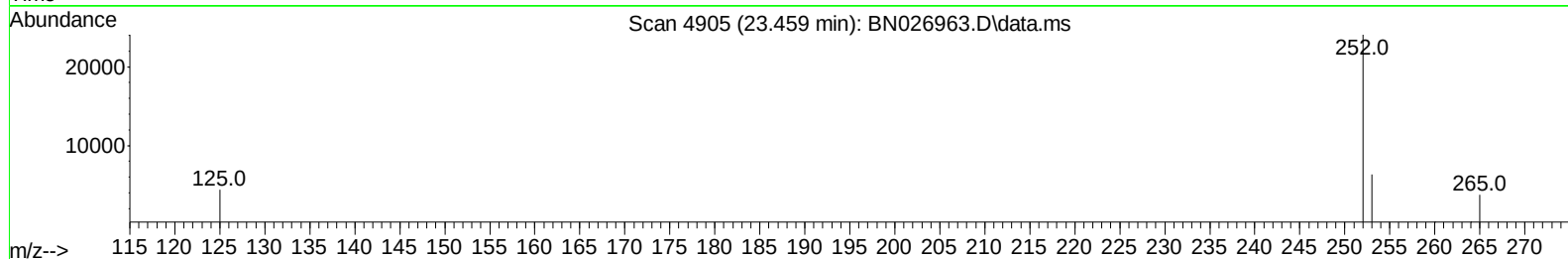
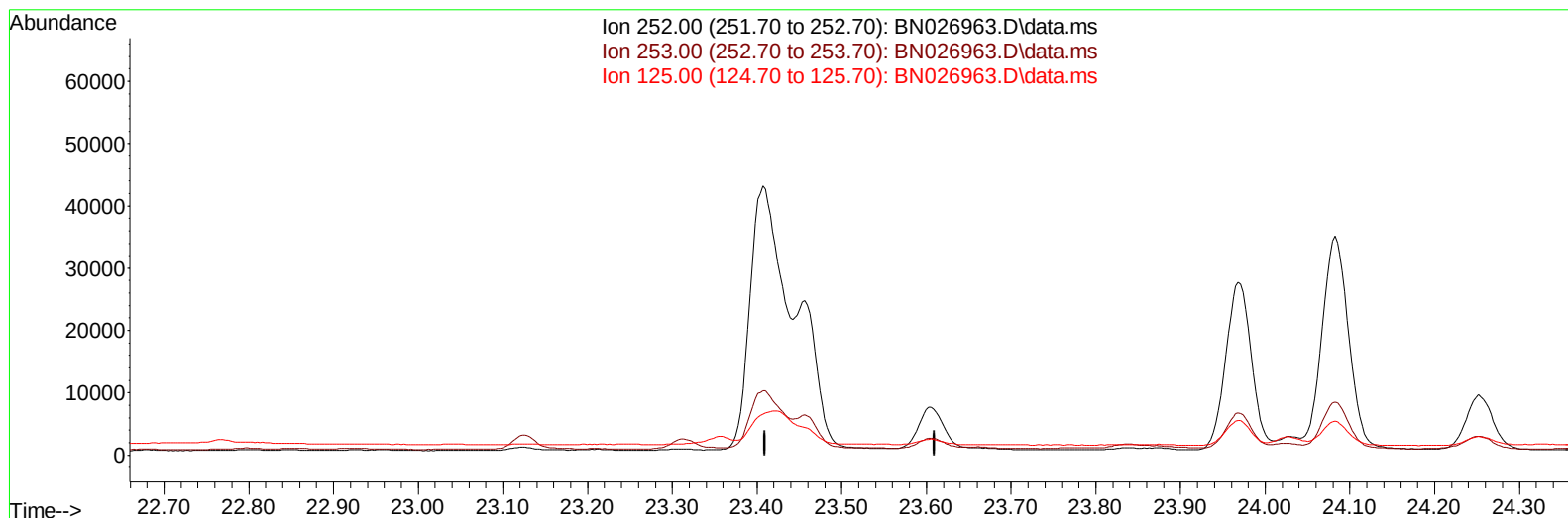
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081823\  
 Data File : BN026963.D  
 Acq On : 18 Aug 2023 17:23  
 Operator : MA/JU  
 Sample : 03965-06  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48H2

Manual IntegrationsAPPROVED

Quant Time: Aug 18 19:09:57 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN080323.M  
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 QLast Update : Fri Aug 18 13:11:26 2023  
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Reviewed By :Yogesh Patel 08/21/2023  
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TIC: BN026963.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  |

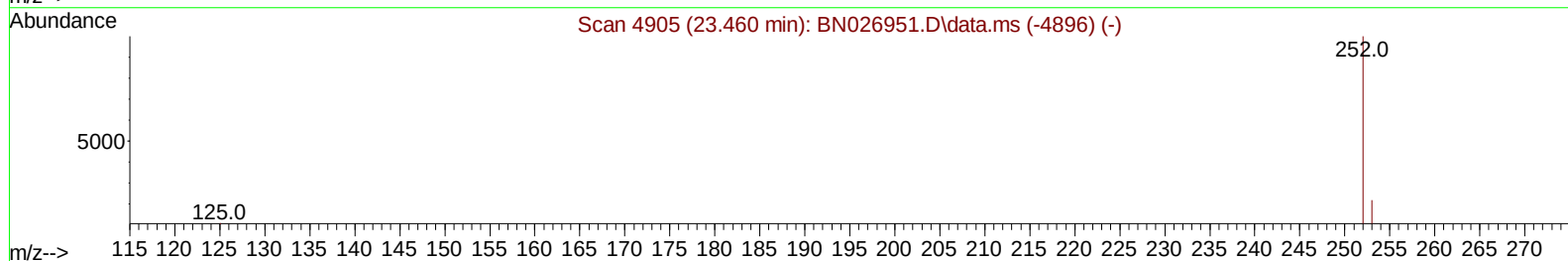
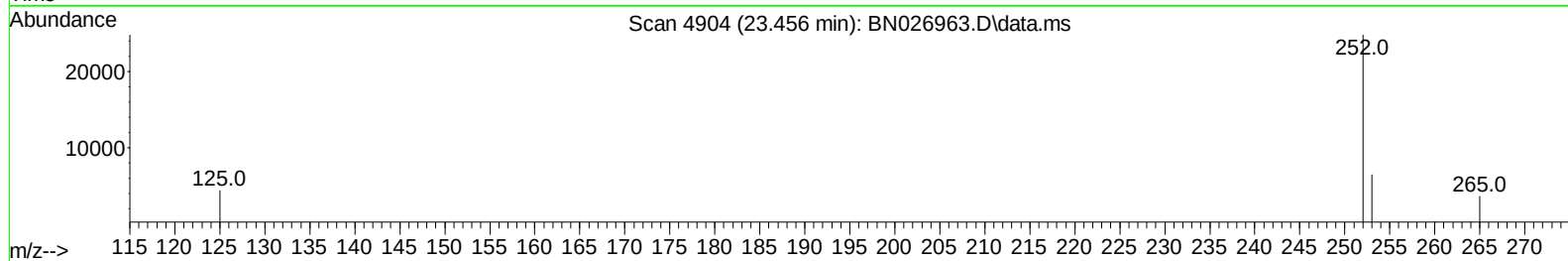
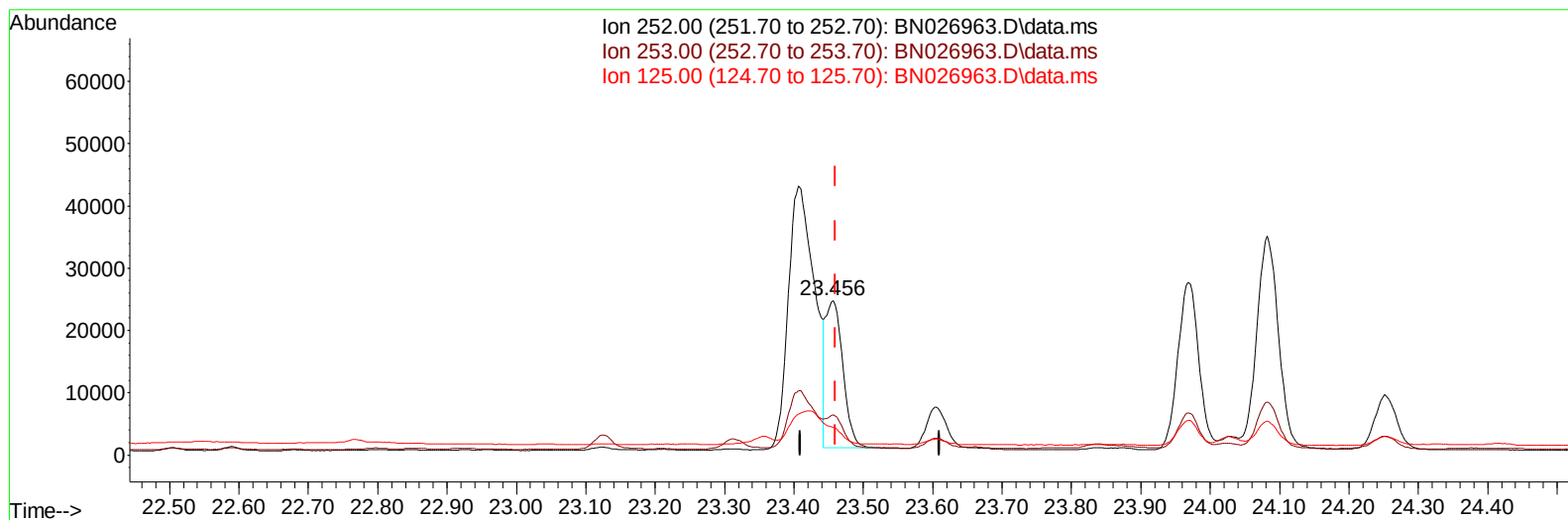
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081823\  
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 Acq On : 18 Aug 2023 17:23  
 Operator : MA/JU  
 Sample : 03965-06  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48H2

Manual IntegrationsAPPROVED

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TIC: BN026963.D\data.ms

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

23.456min (-0.003) 0.45 ng/ul m

response 41005

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.80  | 26.12  |
| 125.00 | 12.40  | 18.02# |
| 0.00   | 0.00   | 0.00   |

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 Sample : 03965-06  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
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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   | 8.105  | 152  | 5592     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.933 | 136  | 18552    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.731 | 164  | 11102    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.477 | 188  | 25228    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.650 | 240  | 22189    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 24.196 | 264  | 24279    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.439  | 96   | 20096    | 3.027 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.500 | 152  | 5487     | 0.201 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.492 | 212  | 14625    | 0.209 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.982 | 128  | 4824     | 0.092 | ng/ul# | 93       |
| 7) 2-Methylnaphthalene      | 12.577 | 142  | 1071     | 0.034 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.791 | 142  | 689      | 0.021 | ng/ul  | 98       |
| 10) Acenaphthylene          | 14.458 | 152  | 6158     | 0.099 | ng/ul  | 95       |
| 11) Acenaphthene            | 14.791 | 153  | 1534     | 0.036 | ng/ul  | 96       |
| 12) Fluorene                | 15.776 | 166  | 2555     | 0.052 | ng/ul# | 98       |
| 15) Phenanthrene            | 17.519 | 178  | 53400    | 0.644 | ng/ul  | 100      |
| 16) Anthracene              | 17.612 | 178  | 10575    | 0.141 | ng/ul  | 97       |
| 19) Fluoranthene            | 19.524 | 202  | 154273   | 1.674 | ng/ul  | 100      |
| 20) Pyrene                  | 19.887 | 202  | 134262m  | 1.365 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.632 | 228  | 69837    | 0.791 | ng/ul  | 97       |
| 22) Chrysene                | 21.688 | 228  | 79469    | 0.912 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 23.407 | 252  | 112127m  | 1.221 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.456 | 252  | 41005m   | 0.453 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 24.082 | 252  | 74901    | 0.904 | ng/ul  | 98       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.884 | 276  | 52724    | 0.486 | ng/ul# | 89       |
| 28) Dibenzo(a,h)anthracene  | 26.901 | 278  | 11642    | 0.135 | ng/ul# | 77       |
| 29) Benzo(g,h,i)perylene    | 27.726 | 276  | 51718    | 0.573 | ng/ul  | 98       |
| -----                       |        |      |          |       |        |          |

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

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