

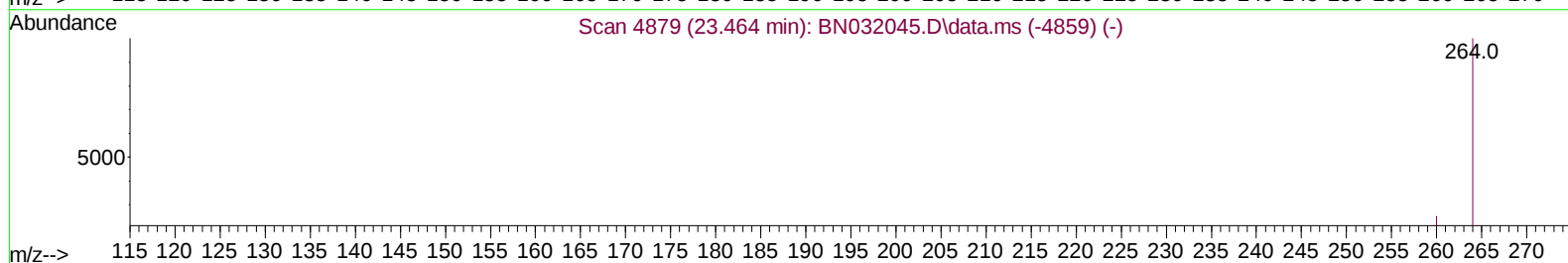
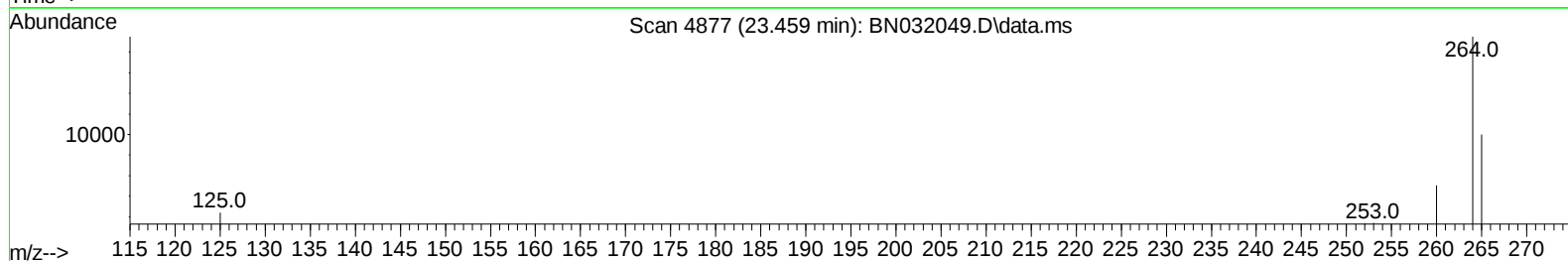
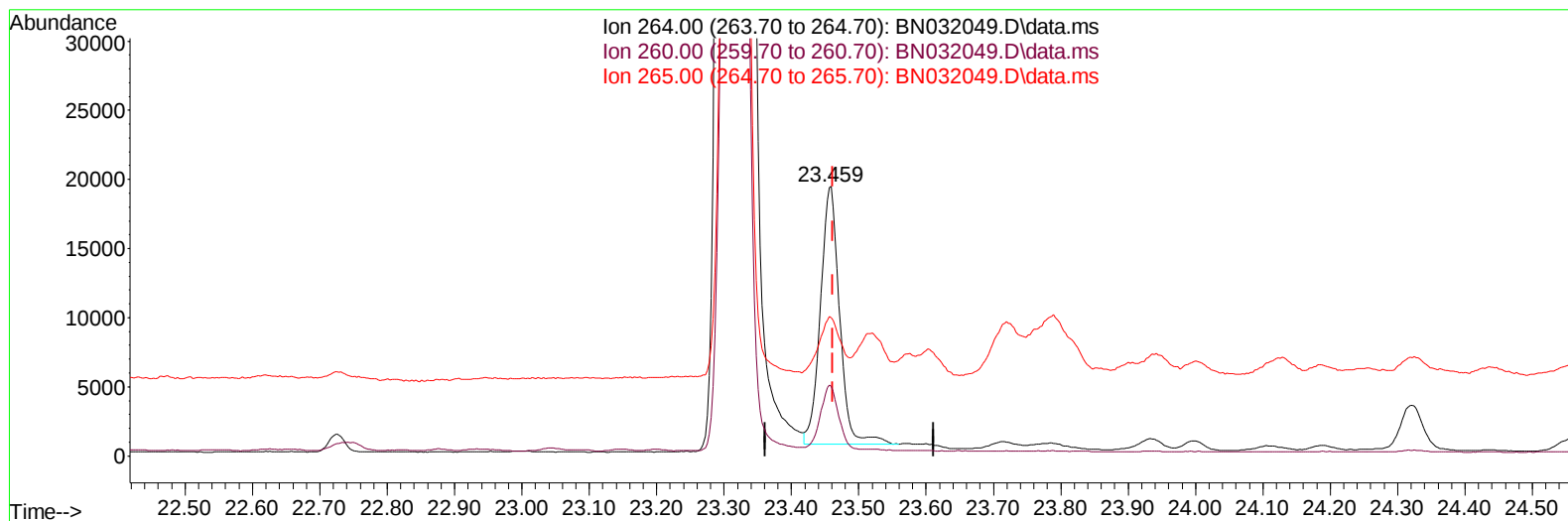
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061824\  
Data File : BN032049.D  
Acq On : 18 Jun 2024 17:53  
Operator : MA/JU  
Sample : P2696-24  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A4BM5

Manual IntegrationsAPPROVED

Quant Time: Jun 18 19:15:04 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN061824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 18 14:06:13 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/19/2024  
Supervised By :mohammad ahmed 06/21/2024



TIC: BN032049.D\data.ms

(23) Perylene-d12 (I)

23.459min (-0.003) 0.40 ng/u1

response 36708

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 25.50  | 25.89  |
| 265.00 | 53.40  | 51.41  |
| 0.00   | 0.00   | 0.00   |

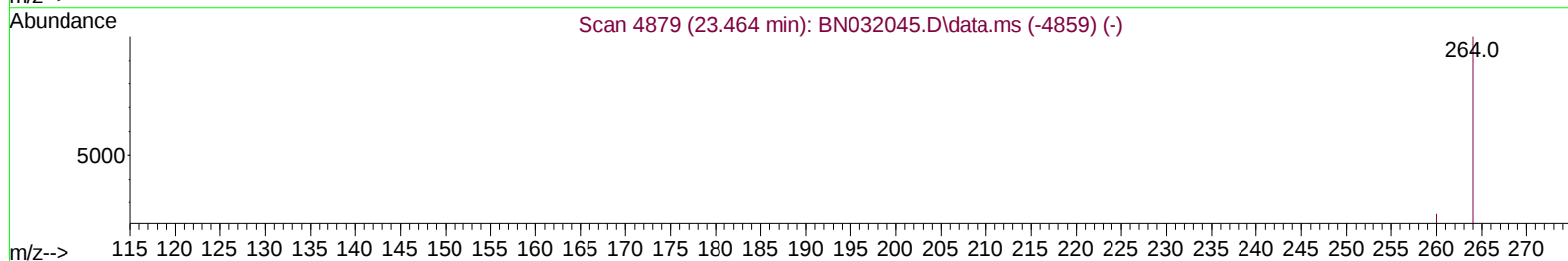
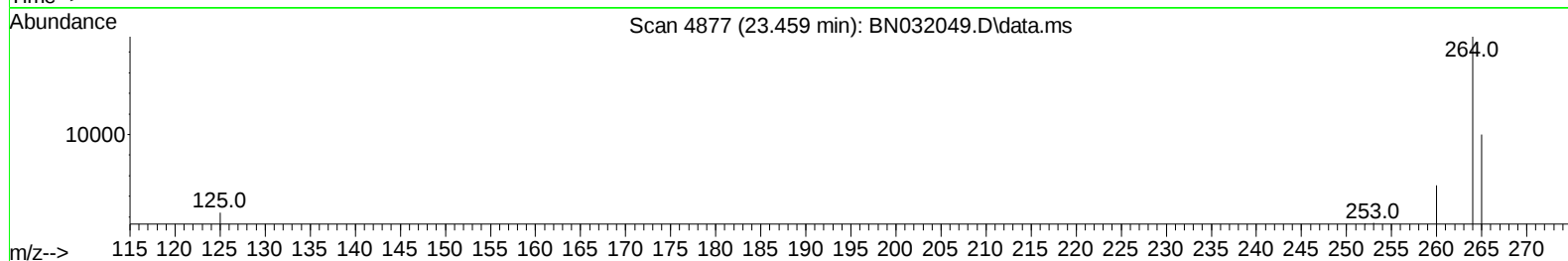
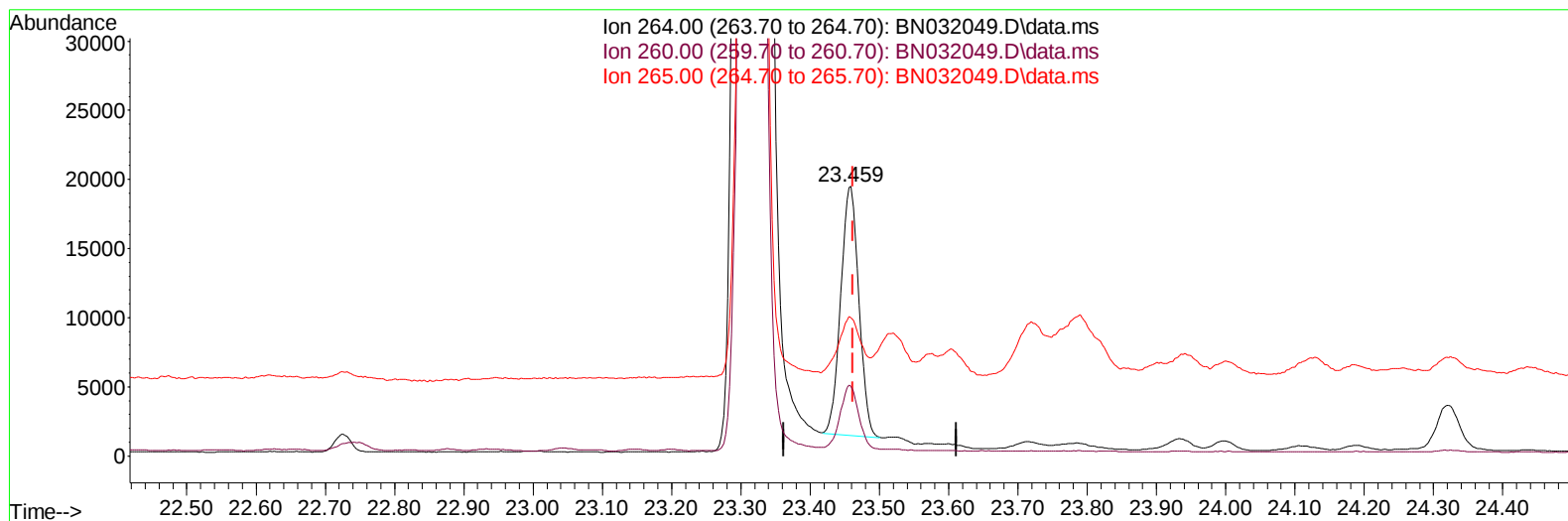
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061824\  
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BNA\_N  
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Manual IntegrationsAPPROVED

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TIC: BN032049.D\data.ms

(23) Perylene-d12 (I)

23.459min (-0.003) 0.40 ng/ul m

response 32634

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 25.50  | 25.89  |
| 265.00 | 53.40  | 51.41  |
| 0.00   | 0.00   | 0.00   |

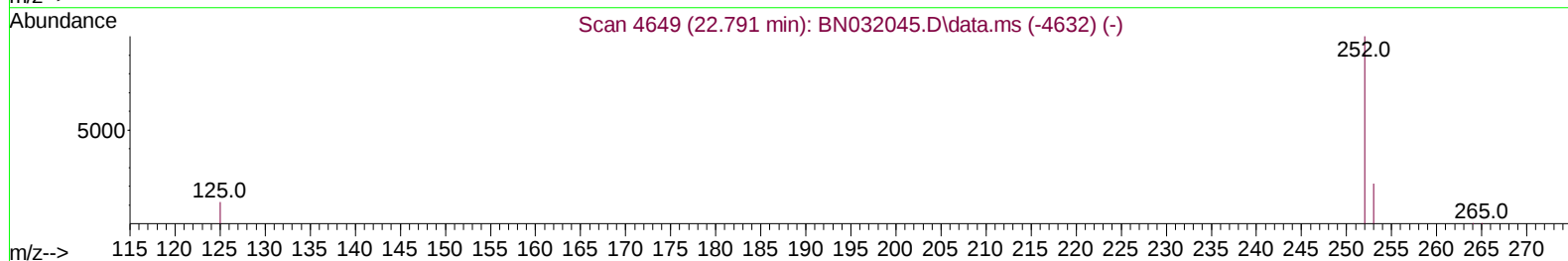
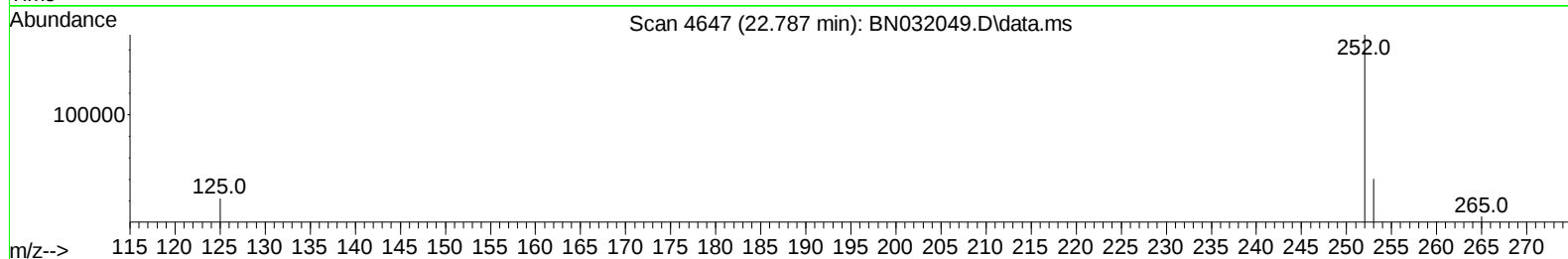
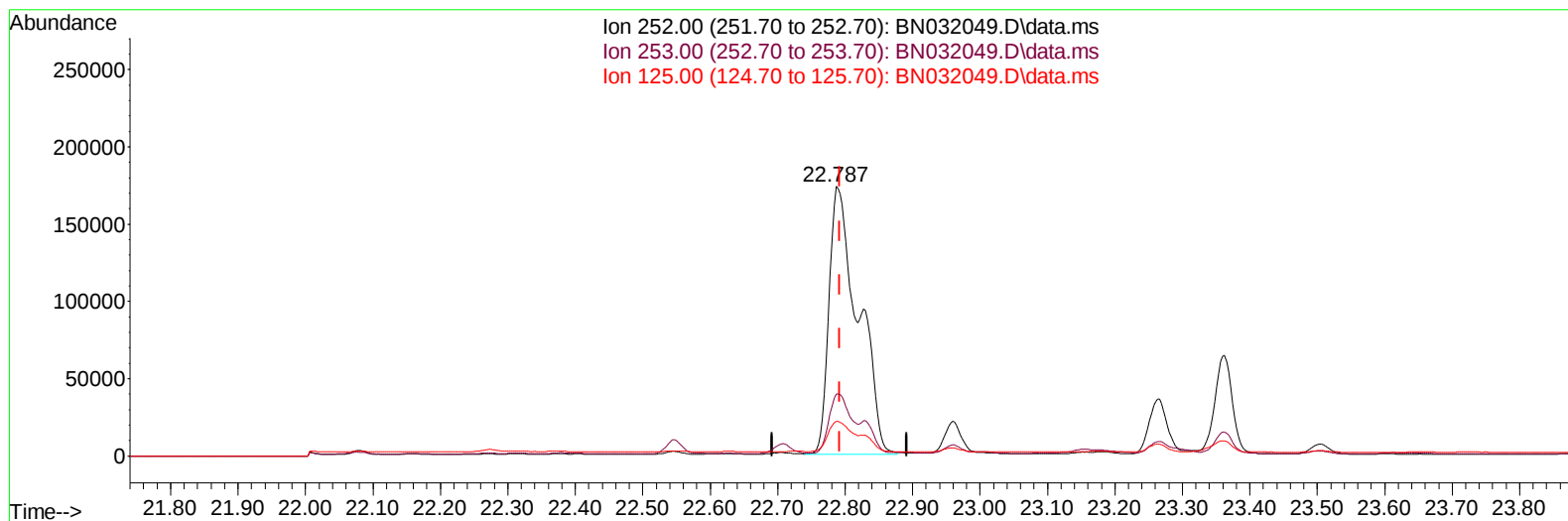
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061824\  
Data File : BN032049.D  
Acq On : 18 Jun 2024 17:53  
Operator : MA/JU  
Sample : P2696-24  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A4BM5

## Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 06/21/2024

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TIC: BN032049.D\data.ms

## (24) Benzo(b)fluoranthene

22.787min (-0.006) 3.62 ng/u1

response 518591

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 23.70  | 23.04  |
| 125.00 | 14.40  | 12.87  |
| 0.00   | 0.00   | 0.00   |

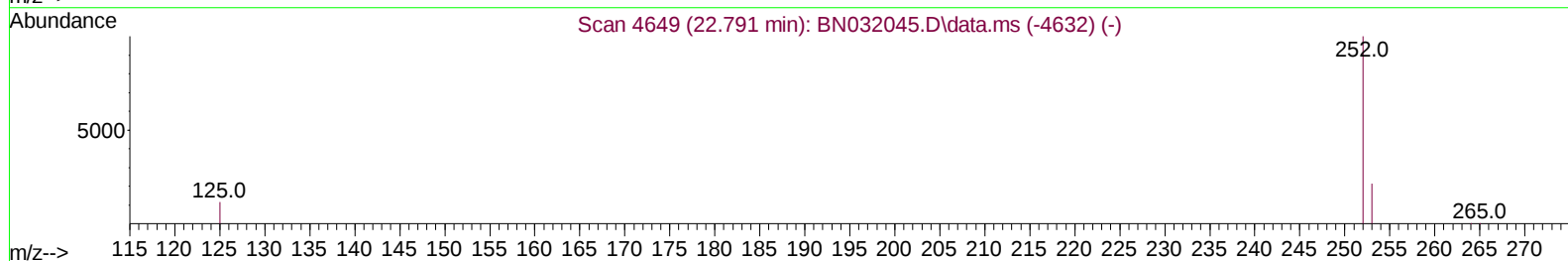
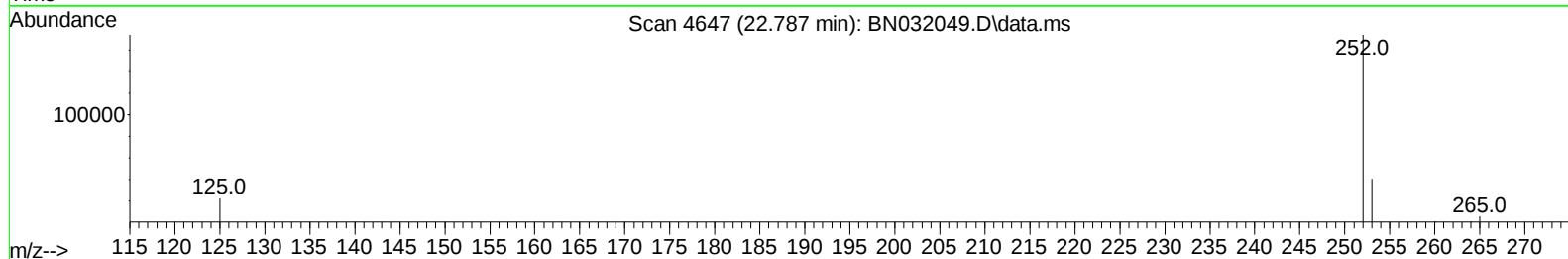
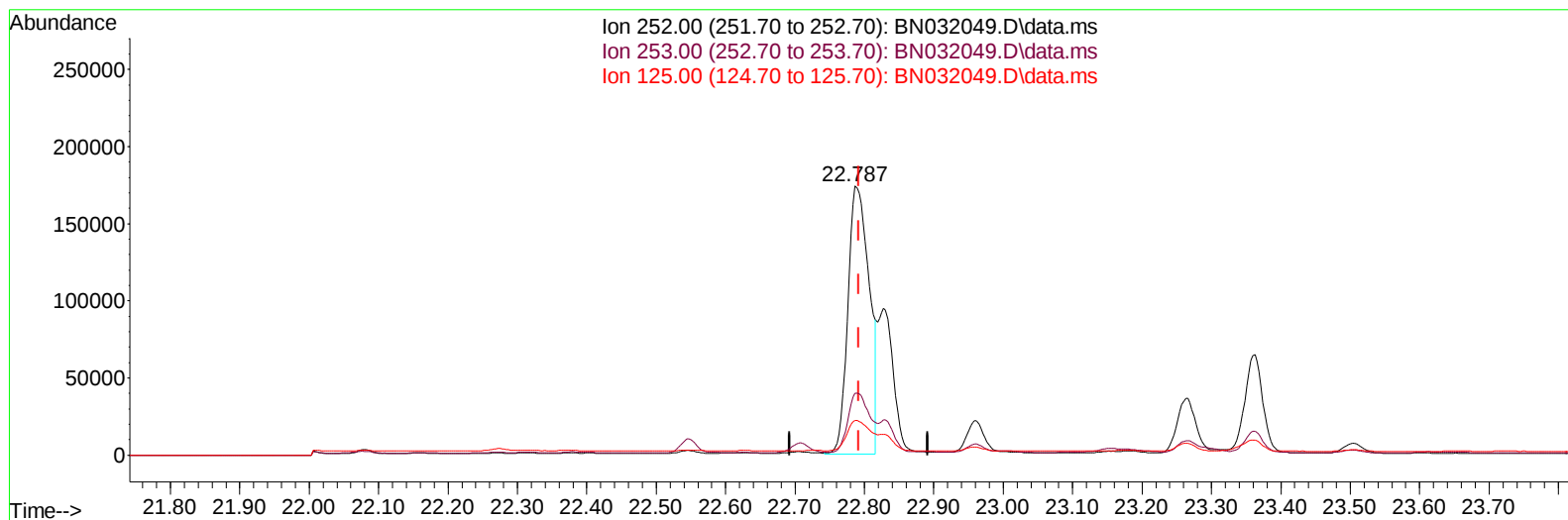
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061824\  
Data File : BN032049.D  
Acq On : 18 Jun 2024 17:53  
Operator : MA/JU  
Sample : P2696-24  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A4BM5

Manual IntegrationsAPPROVED

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TIC: BN032049.D\data.ms

(24) Benzo(b)fluoranthene

22.787min (-0.006) 2.61 ng/u1 m

response 374316

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 23.70  | 23.04  |
| 125.00 | 14.40  | 12.87  |
| 0.00   | 0.00   | 0.00   |

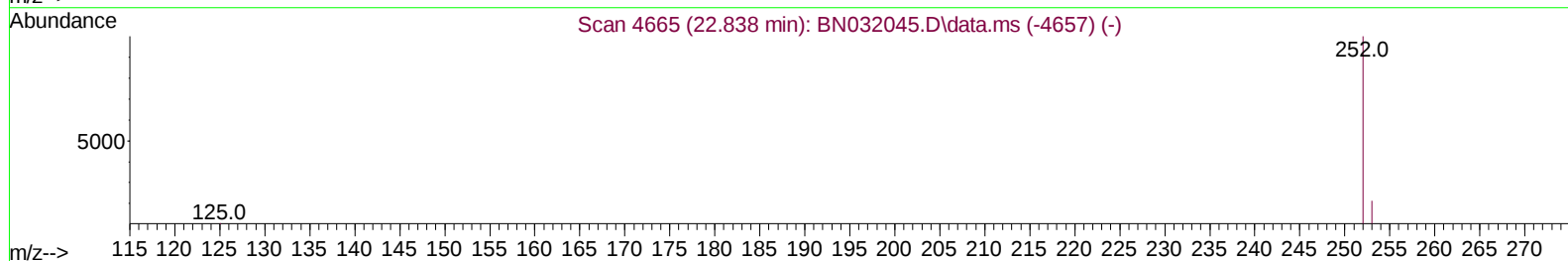
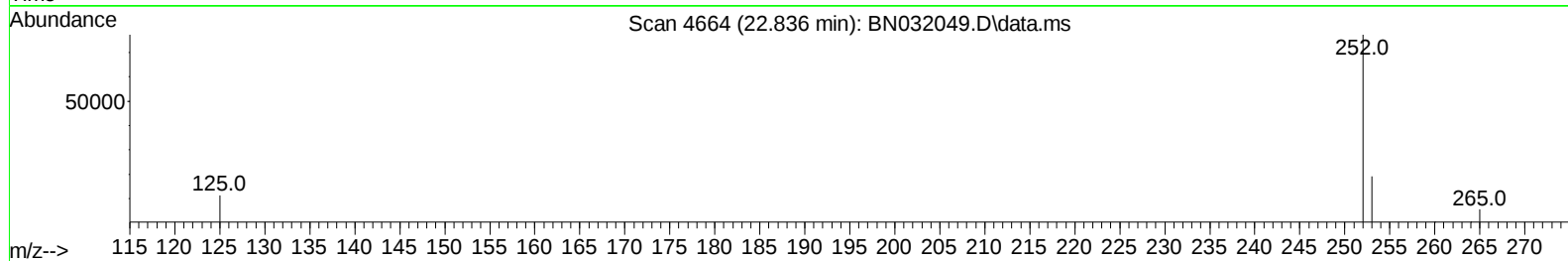
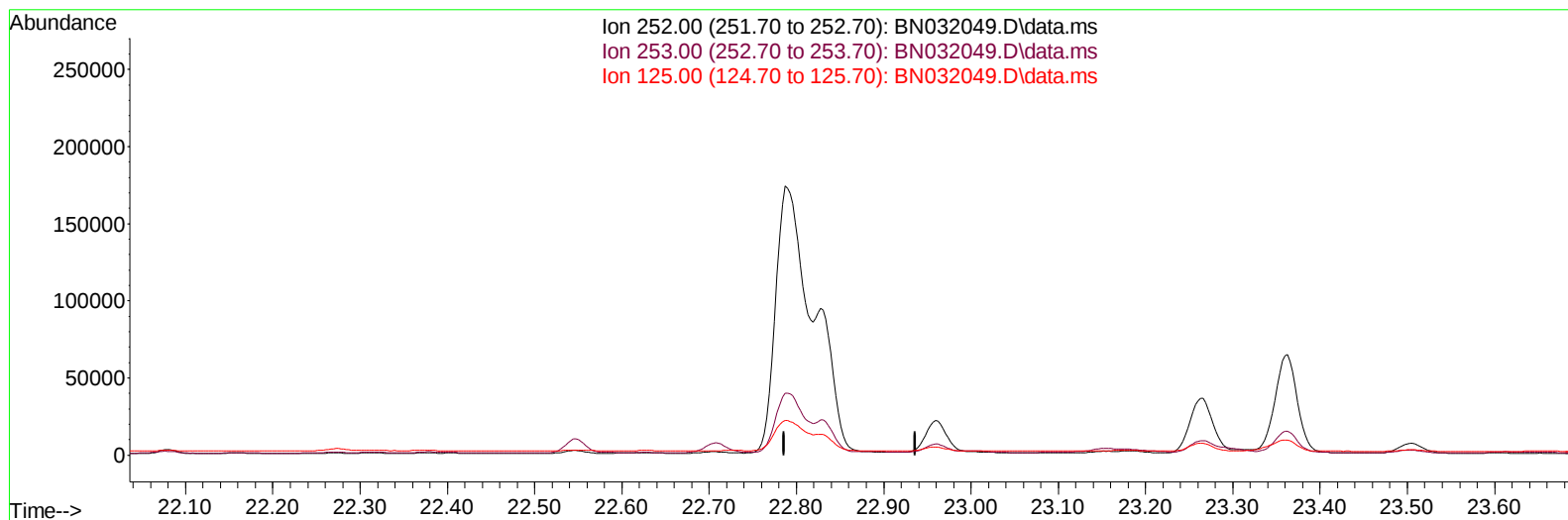
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061824\  
Data File : BN032049.D  
Acq On : 18 Jun 2024 17:53  
Operator : MA/JU  
Sample : P2696-24  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A4BM5

Manual IntegrationsAPPROVED

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TIC: BN032049.D\data.ms

(25) Benzo(k)fluoranthene

22.836min (-22.836) 0.00 ng/u1

response 0

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 252.00 | 100.00 | 0.00  |
| 253.00 | 23.50  | 0.00# |
| 125.00 | 13.90  | 0.00# |
| 0.00   | 0.00   | 0.00  |

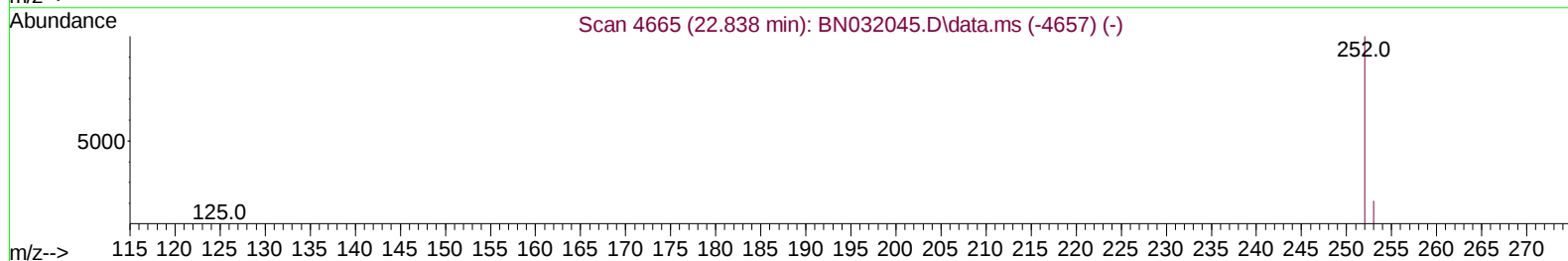
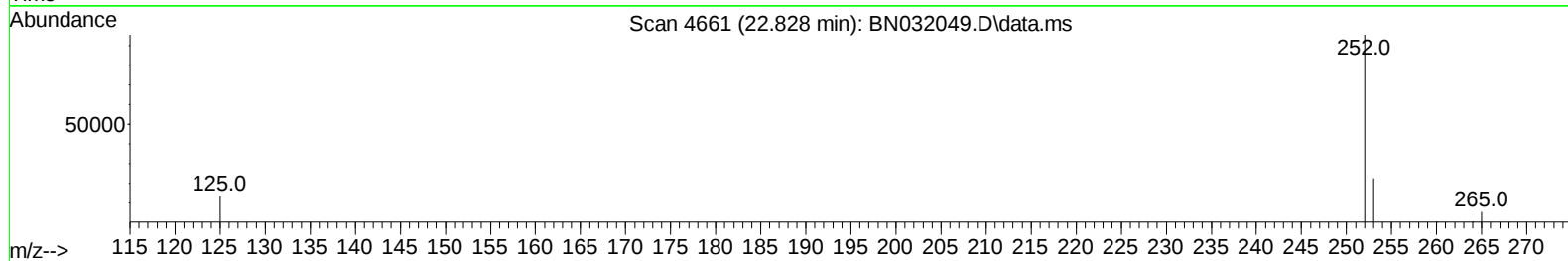
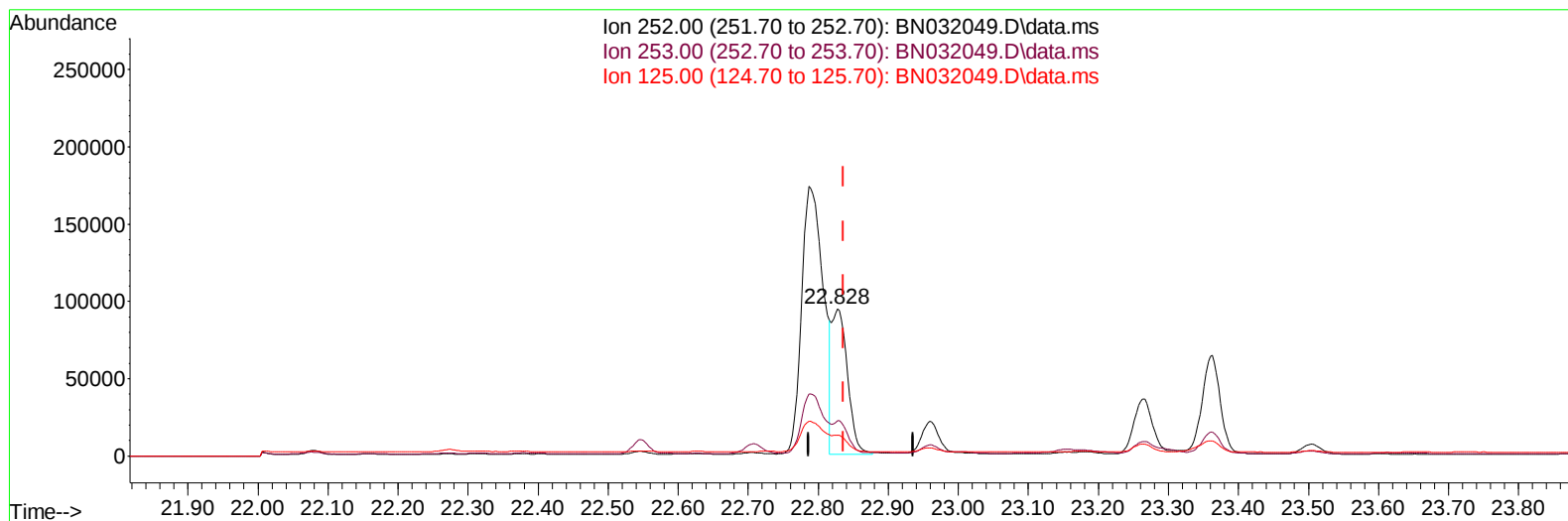
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 Data File : BN032049.D  
 Acq On : 18 Jun 2024 17:53  
 Operator : MA/JU  
 Sample : P2696-24  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A4BM5

Manual IntegrationsAPPROVED

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 QLast Update : Tue Jun 18 14:06:13 2024  
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TIC: BN032049.D\data.ms

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

**22.828min (-0.009) 1.08 ng/u1 m**

**response 148023**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 23.50  | 23.76  |
| 125.00 | 13.90  | 14.21  |
| 0.00   | 0.00   | 0.00   |

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 Sample : P2696-24  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
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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   | 7.650  | 152  | 10093    | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.426 | 136  | 36640    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.290 | 164  | 24170    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.041 | 188  | 55877    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.235 | 240  | 41286    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.459 | 264  | 32634m   | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.169  | 96   | 40140    | 3.710 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.021 | 152  | 15270    | 0.257 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.073 | 212  | 40267    | 0.323 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.475 | 128  | 7265     | 0.075 | ng/ul  | 96       |
| 7) 2-Methylnaphthalene      | 12.098 | 142  | 2638     | 0.039 | ng/ul  | 97       |
| 8) 1-Methylnaphthalene      | 12.318 | 142  | 2324     | 0.033 | ng/ul  | 96       |
| 10) Acenaphthylene          | 14.013 | 152  | 10822    | 0.105 | ng/ul  | 97       |
| 11) Acenaphthene            | 14.355 | 153  | 9565     | 0.124 | ng/ul  | 100      |
| 12) Fluorene                | 15.345 | 166  | 11803    | 0.125 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.079 | 178  | 327068   | 2.076 | ng/ul  | 99       |
| 16) Anthracene              | 17.172 | 178  | 45854    | 0.323 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.101 | 202  | 762759   | 5.015 | ng/ul  | 99       |
| 20) Pyrene                  | 19.468 | 202  | 473193   | 2.970 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.217 | 228  | 287339   | 1.815 | ng/ul  | 98       |
| 22) Chrysene                | 21.270 | 228  | 327799   | 2.076 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.787 | 252  | 374316m  | 2.611 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.828 | 252  | 148023m  | 1.075 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.363 | 252  | 115568   | 1.135 | ng/ul  | 97       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.700 | 276  | 105570   | 0.768 | ng/ul# | 93       |
| 28) Dibenzo(a,h)anthracene  | 25.710 | 278  | 37641    | 0.355 | ng/ul  | 93       |
| 29) Benzo(g,h,i)perylene    | 26.394 | 276  | 15859    | 0.145 | ng/ul# | 86       |
| -----                       |        |      |          |       |        |          |

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

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