

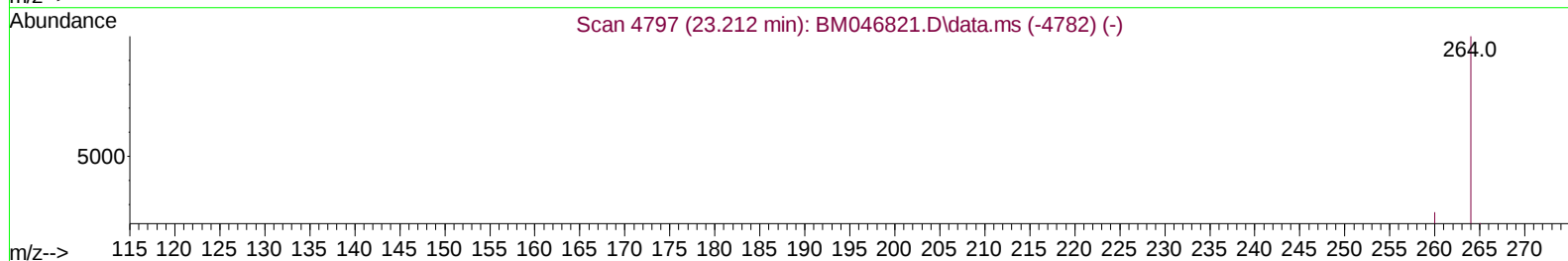
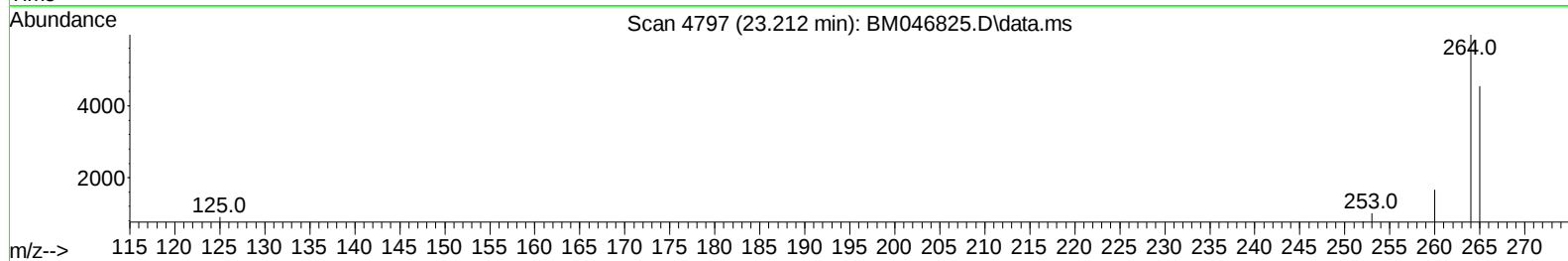
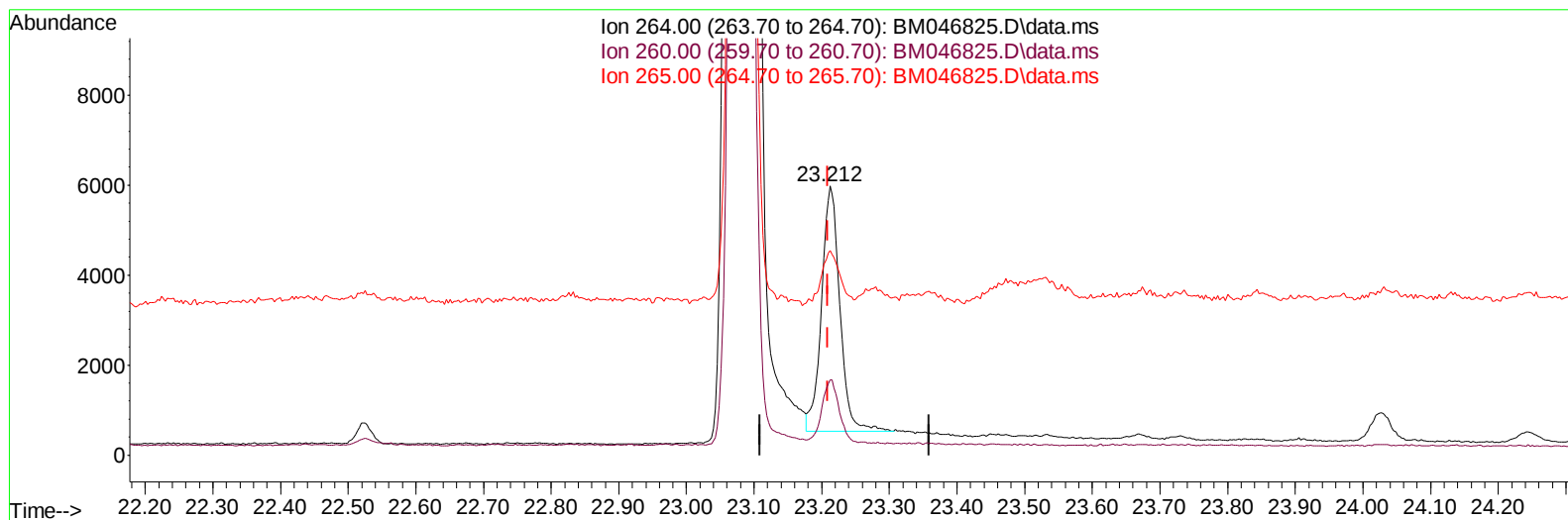
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072624\  
Data File : BM046825.D  
Acq On : 26 Jul 2024 11:41  
Operator : MA/JU  
Sample : P3264-10  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4BE3

Manual IntegrationsAPPROVED

Quant Time: Jul 26 12:26:14 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM072424.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 24 15:10:37 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/27/2024  
Supervised By :mohammad ahmed 08/05/2024



TIC: BM046825.D\data.ms

(23) Perylene-d12 (I)

23.212min (+ 0.003) 0.40 ng/ul

response 10175

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 27.10  | 27.94  |
| 265.00 | 89.90  | 76.03  |
| 0.00   | 0.00   | 0.00   |

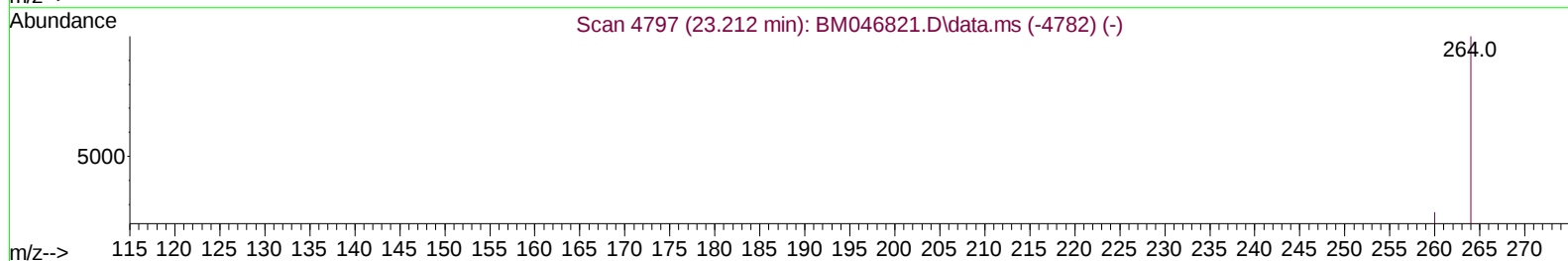
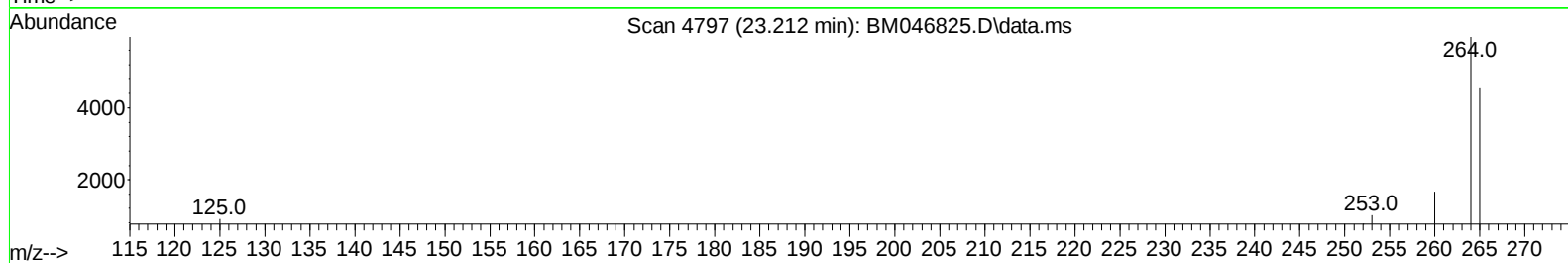
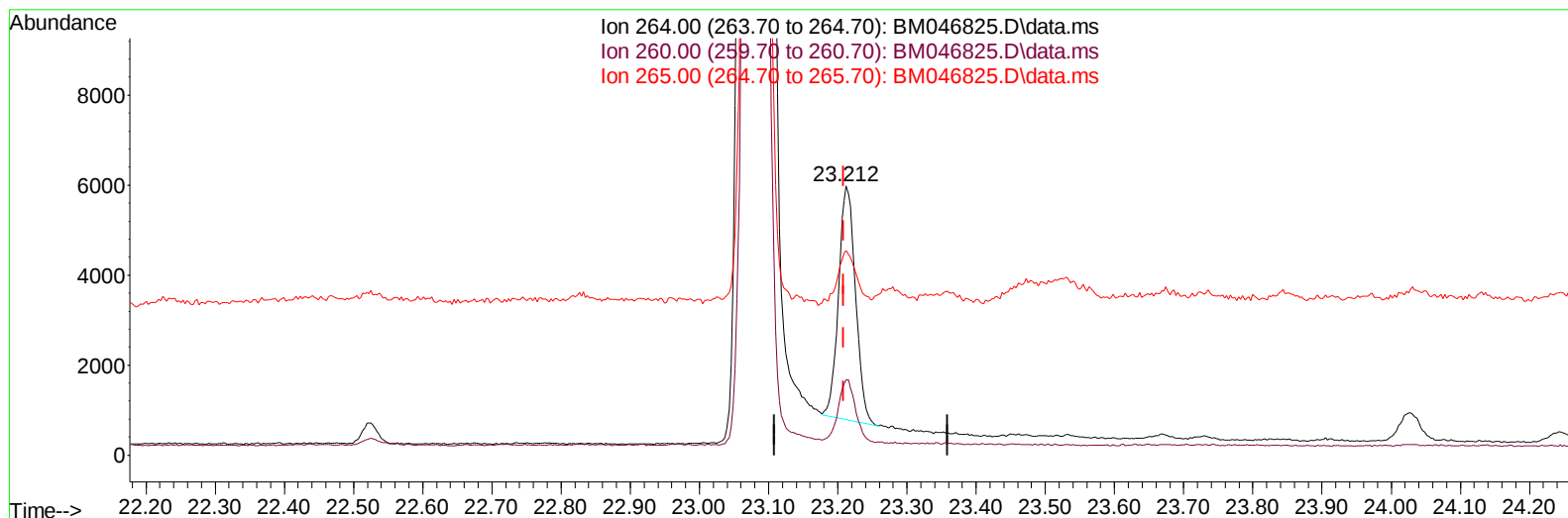
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072624\  
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TIC: BM046825.D\data.ms

(23) Perylene-d12 (I)

23.212min (+ 0.003) 0.40 ng/ul m

response 8831

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 27.10  | 27.94  |
| 265.00 | 89.90  | 76.03  |
| 0.00   | 0.00   | 0.00   |

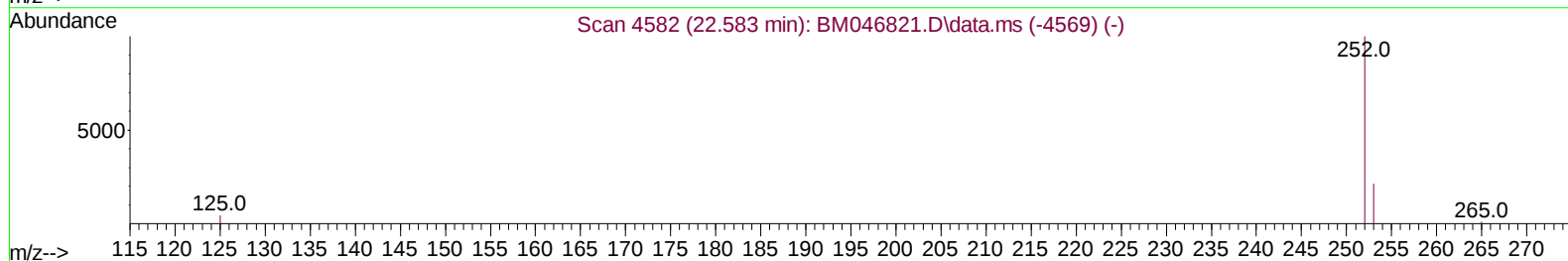
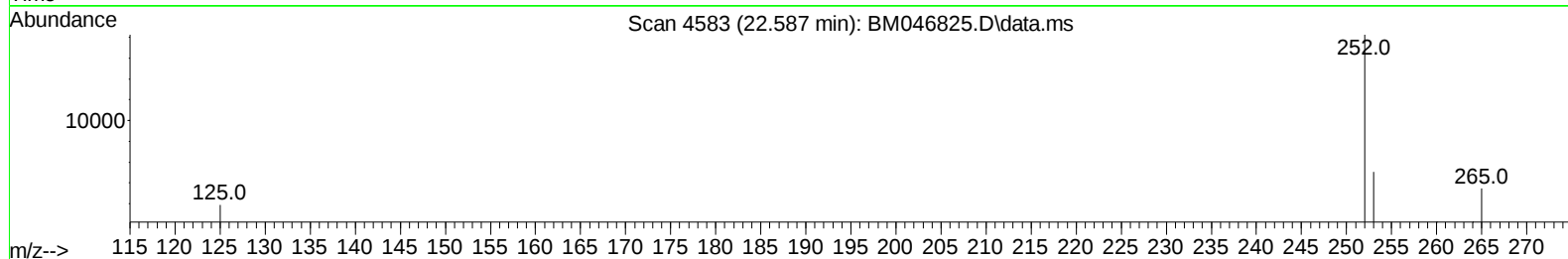
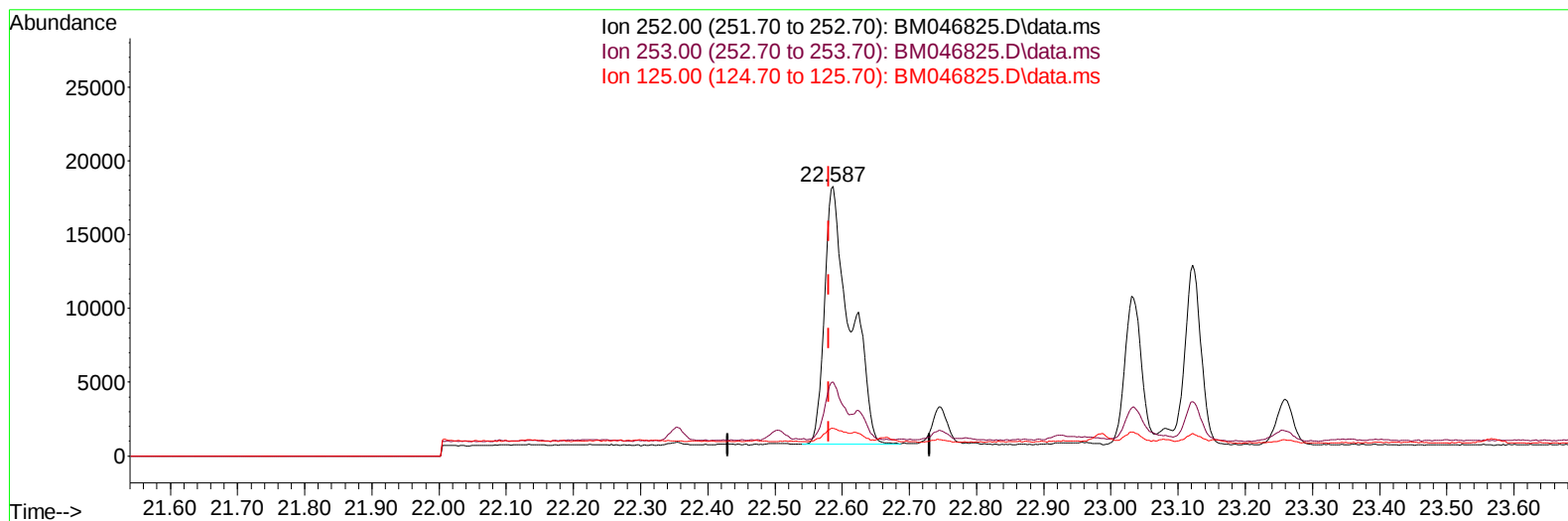
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072624\  
Data File : BM046825.D  
Acq On : 26 Jul 2024 11:41  
Operator : MA/JU  
Sample : P3264-10  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4BE3

Manual IntegrationsAPPROVED

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TIC: BM046825.D\data.ms

(24) Benzo(b)fluoranthene

22.587min (+ 0.006) 1.20 ng/u1

response 46549

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 28.20  | 27.55  |
| 125.00 | 7.90   | 10.35  |
| 0.00   | 0.00   | 0.00   |

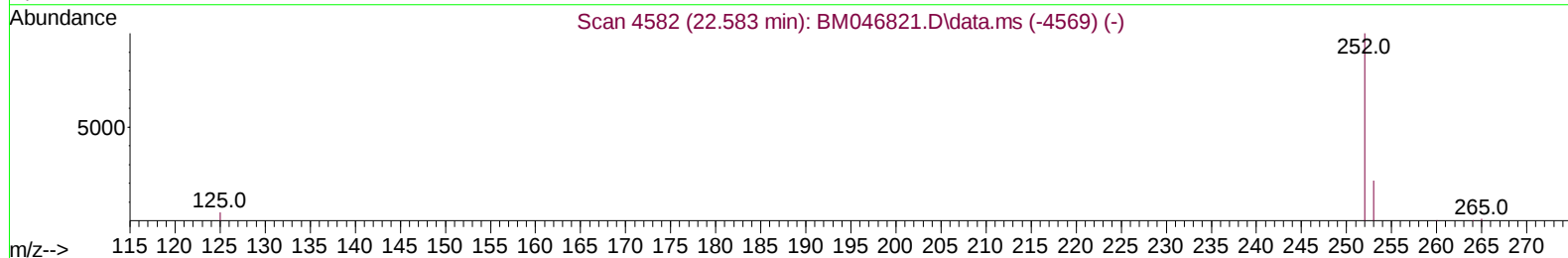
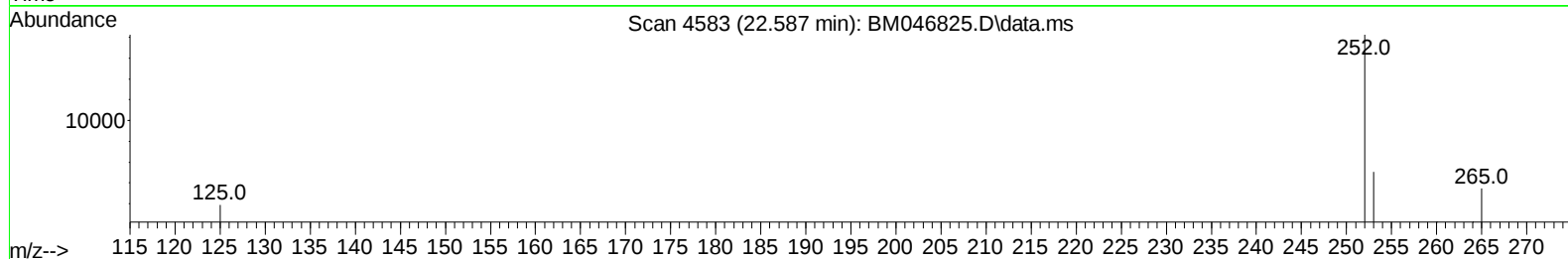
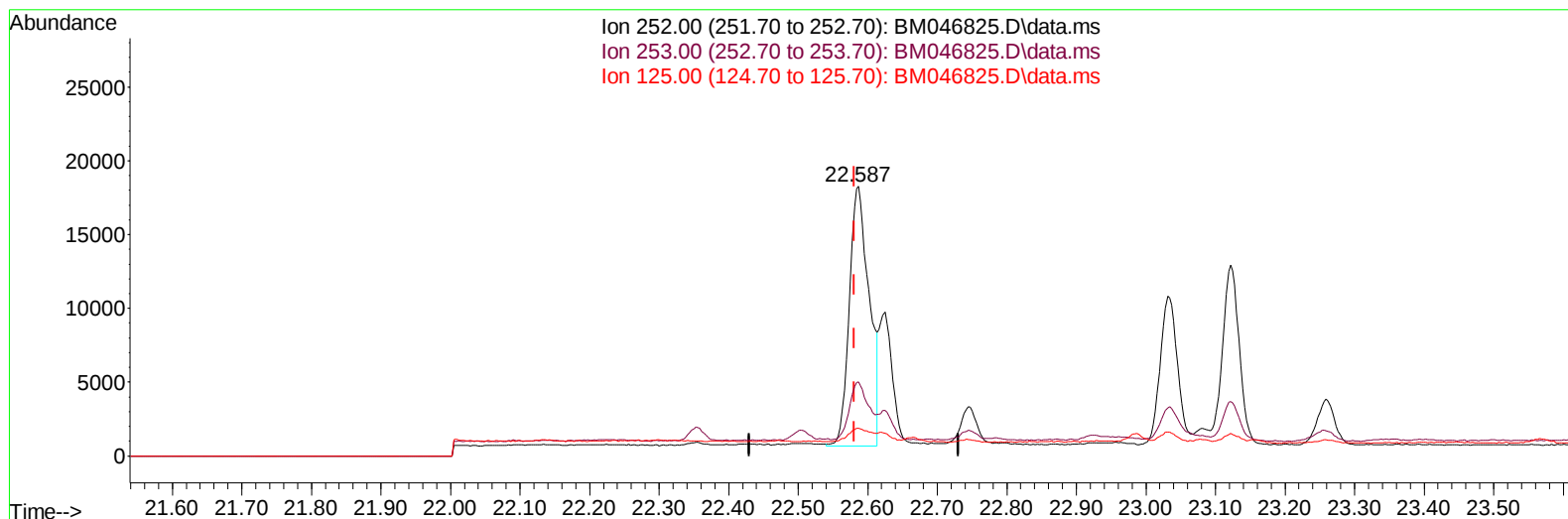
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072624\  
Data File : BM046825.D  
Acq On : 26 Jul 2024 11:41  
Operator : MA/JU  
Sample : P3264-10  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4BE3

Manual IntegrationsAPPROVED

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TIC: BM046825.D\data.ms

(24) Benzo(b)fluoranthene

22.587min (+ 0.006) 0.90 ng/u1 m

response 35002

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 28.20  | 27.55  |
| 125.00 | 7.90   | 10.35  |
| 0.00   | 0.00   | 0.00   |

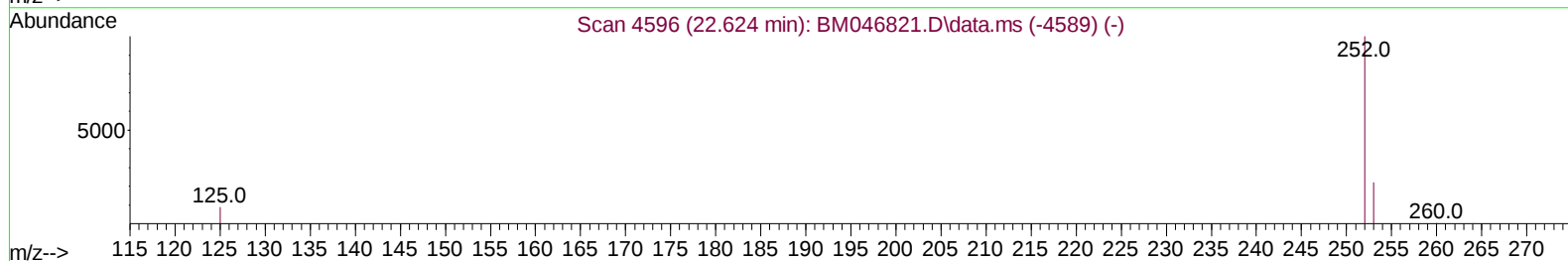
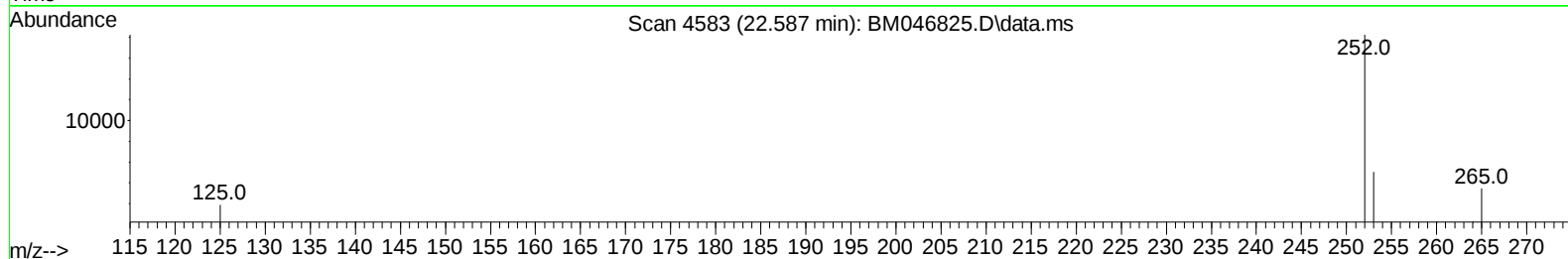
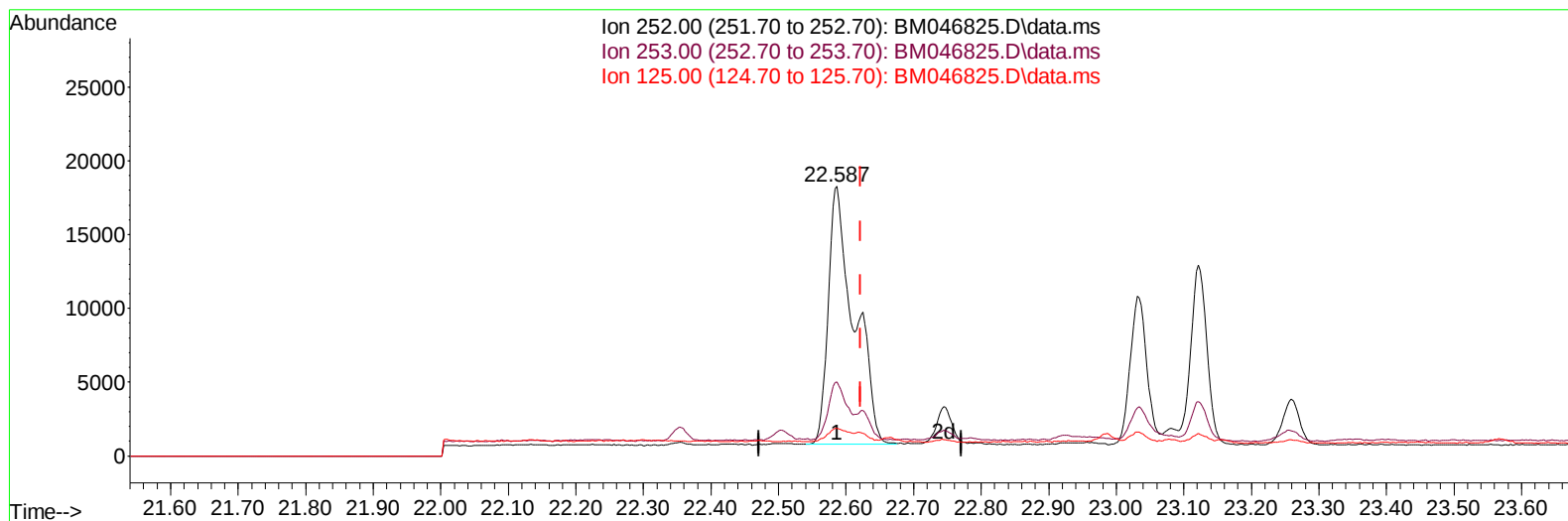
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072624\  
Data File : BM046825.D  
Acq On : 26 Jul 2024 11:41  
Operator : MA/JU  
Sample : P3264-10  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4BE3

Manual IntegrationsAPPROVED

Quant Time: Jul 26 12:26:14 2024  
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TIC: BM046825.D\data.ms

(25) Benzo(k)fluoranthene

22.587min (-0.035) 1.19 ng/u1

response 46497

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 29.40  | 27.55  |
| 125.00 | 10.80  | 10.35  |
| 0.00   | 0.00   | 0.00   |

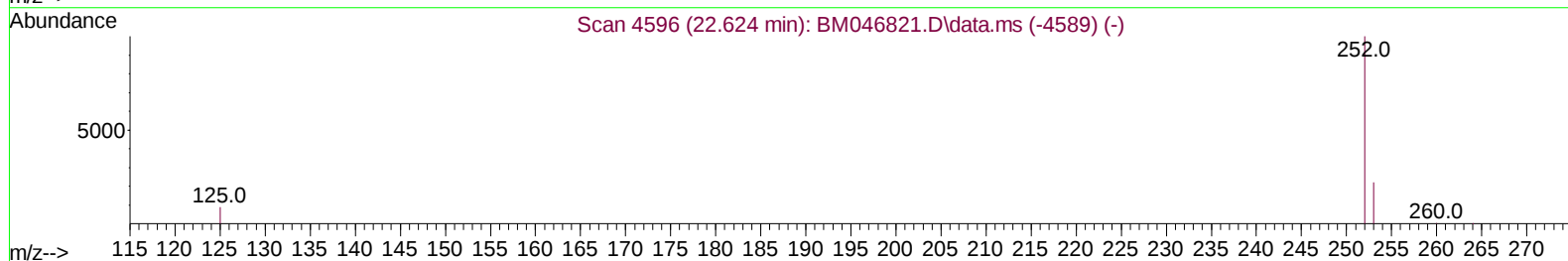
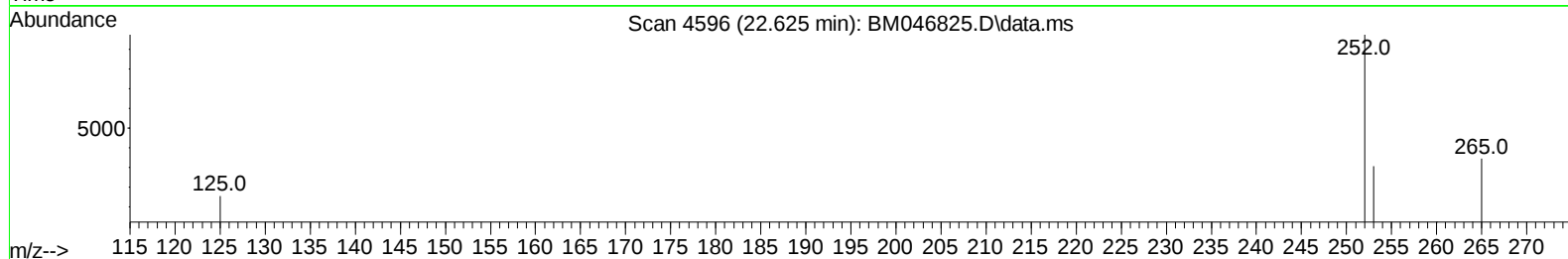
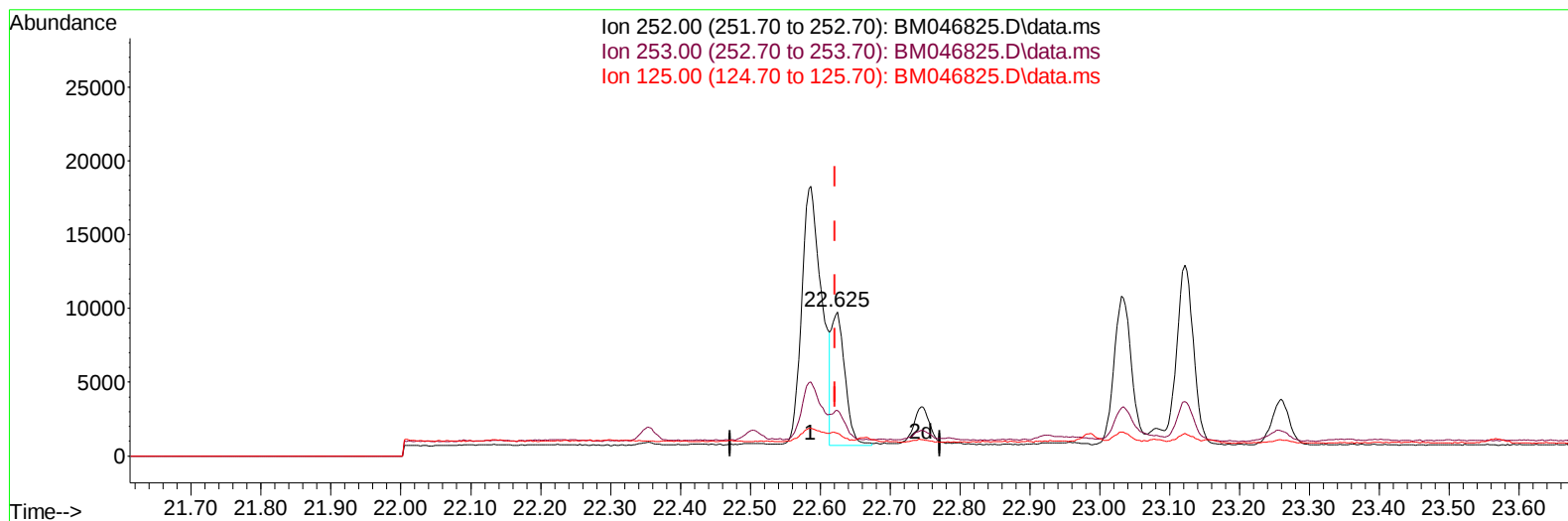
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072624\  
Data File : BM046825.D  
Acq On : 26 Jul 2024 11:41  
Operator : MA/JU  
Sample : P3264-10  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4BE3

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/27/2024  
Supervised By :mohammad ahmed 08/05/2024

Quant Time: Jul 26 12:26:14 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM072424.M  
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TIC: BM046825.D\data.ms

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

22.625min (+ 0.003) 0.31 ng/u1 m

response 12222

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 29.40  | 31.41  |
| 125.00 | 10.80  | 15.83# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072624\  
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 Operator : MA/JU  
 Sample : P3264-10  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4BE3

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/27/2024  
 Supervised By :mohammad ahmed 08/05/2024

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 QLast Update : Wed Jul 24 15:10:37 2024  
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| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.468  | 152  | 3524     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.226 | 136  | 9894     | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.117 | 164  | 5953     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.874 | 188  | 12505    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.082 | 240  | 8672     | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.212 | 264  | 8831m    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.096  | 96   | 6883     | 2.789 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.826 | 152  | 3146     | 0.200 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.912 | 212  | 6160     | 0.218 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 10) Acenaphthylene          | 13.830 | 152  | 1537     | 0.056 | ng/ul# | 88       |
| 11) Acenaphthene            | 14.177 | 153  | 772      | 0.042 | ng/ul# | 92       |
| 12) Fluorene                | 15.176 | 166  | 1039     | 0.045 | ng/ul# | 95       |
| 15) Phenanthrene            | 16.912 | 178  | 23260    | 0.647 | ng/ul  | 99       |
| 16) Anthracene              | 17.005 | 178  | 4460     | 0.133 | ng/ul# | 93       |
| 19) Fluoranthene            | 18.945 | 202  | 59895    | 1.573 | ng/ul  | 100      |
| 20) Pyrene                  | 19.307 | 202  | 49686    | 1.261 | ng/ul  | 100      |
| 21) Benzo(a)anthracene      | 21.067 | 228  | 22868    | 0.633 | ng/ul  | 96       |
| 22) Chrysene                | 21.120 | 228  | 26461    | 0.721 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 22.587 | 252  | 35002m   | 0.903 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.625 | 252  | 12222m   | 0.313 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.122 | 252  | 20293    | 0.729 | ng/ul  | 94       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.320 | 276  | 17756    | 0.414 | ng/ul  | 98       |
| 28) Dibenzo(a,h)anthracene  | 25.330 | 278  | 3997     | 0.127 | ng/ul# | 56       |
| 29) Benzo(g,h,i)perylene    | 25.957 | 276  | 18049    | 0.478 | ng/ul# | 96       |
| -----                       |        |      |          |       |        |          |

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

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