

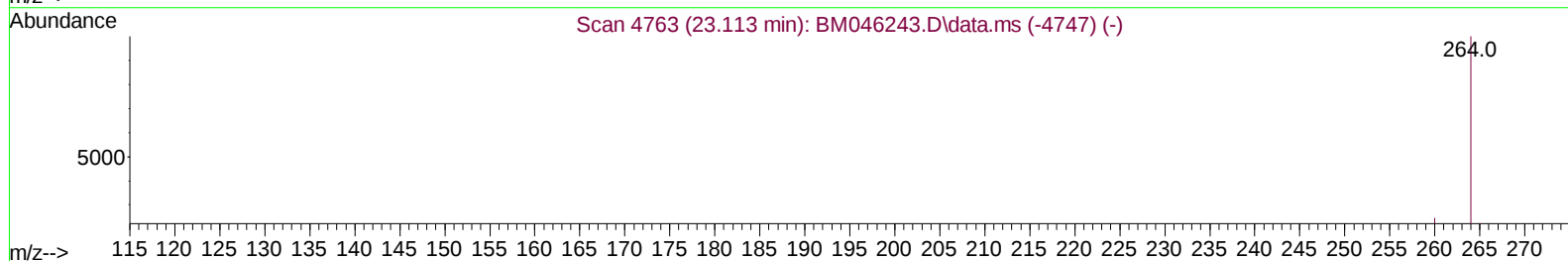
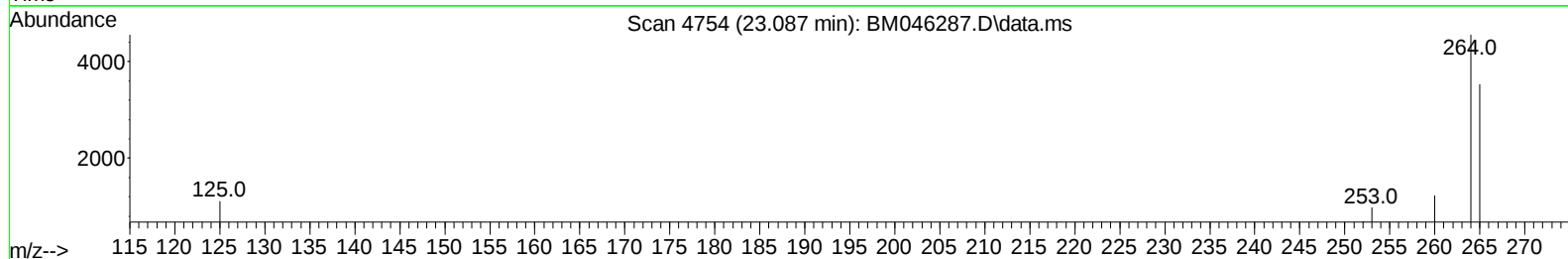
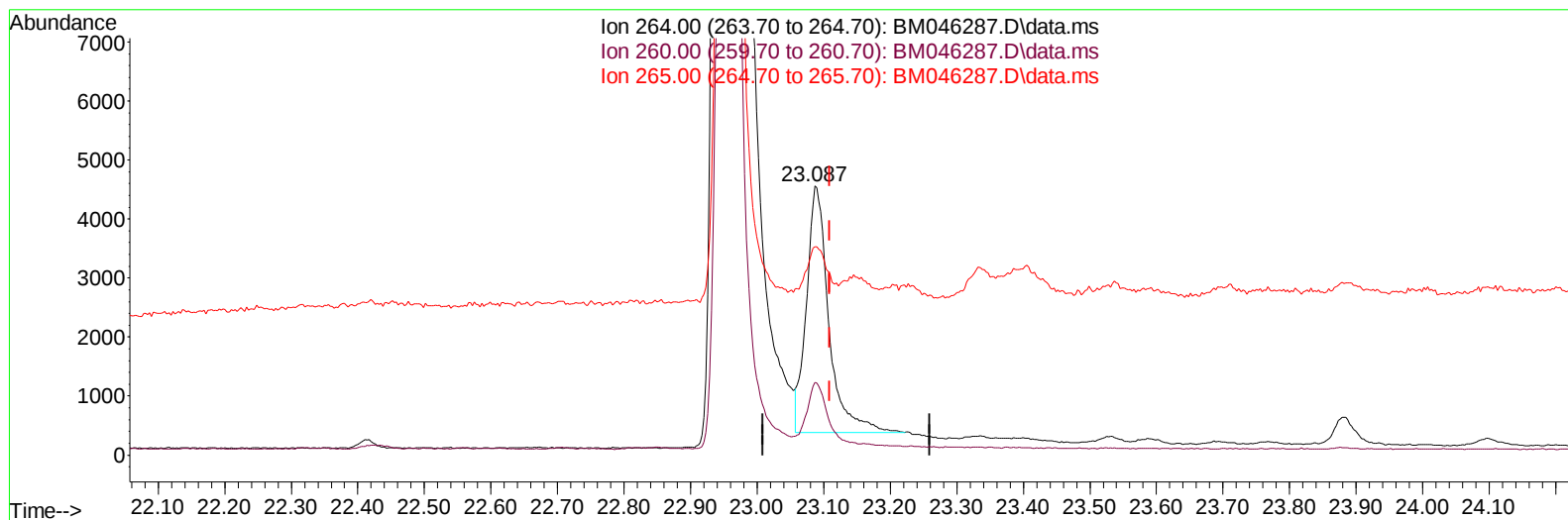
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062424\  
Data File : BM046287.D  
Acq On : 25 Jun 2024 12:18  
Operator : MA/JU  
Sample : P2844-07  
Misc :  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4C85

Manual IntegrationsAPPROVED

Quant Time: Jun 25 12:59:30 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 25 08:04:59 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024  
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046287.D\data.ms

(23) Perylene-d12 (I)

23.087min (-0.023) 0.40 ng/u1

response 9812

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 28.20  | 27.04  |
| 265.00 | 110.60 | 77.49# |
| 0.00   | 0.00   | 0.00   |

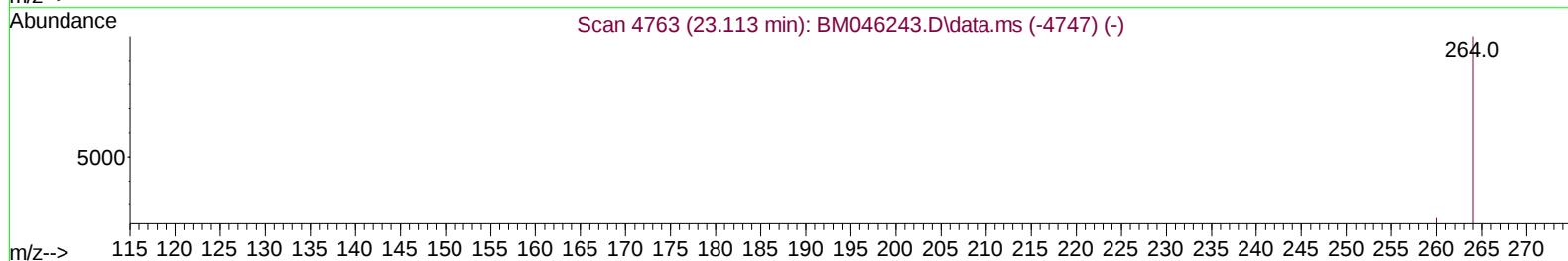
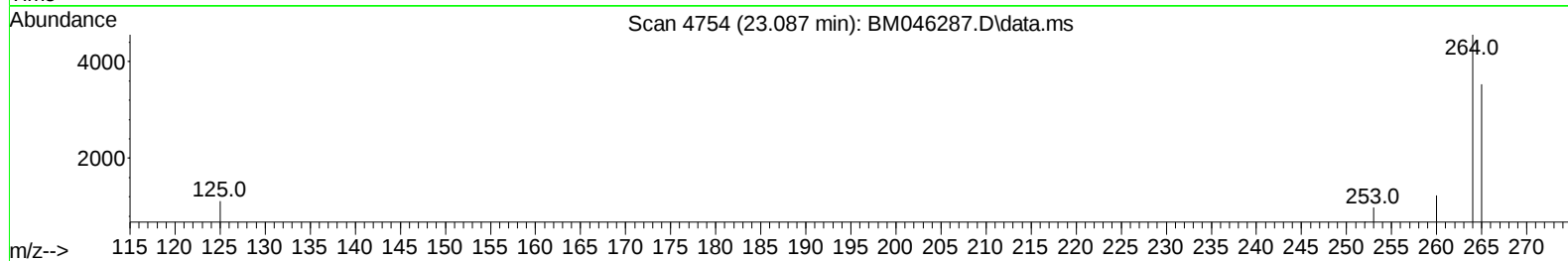
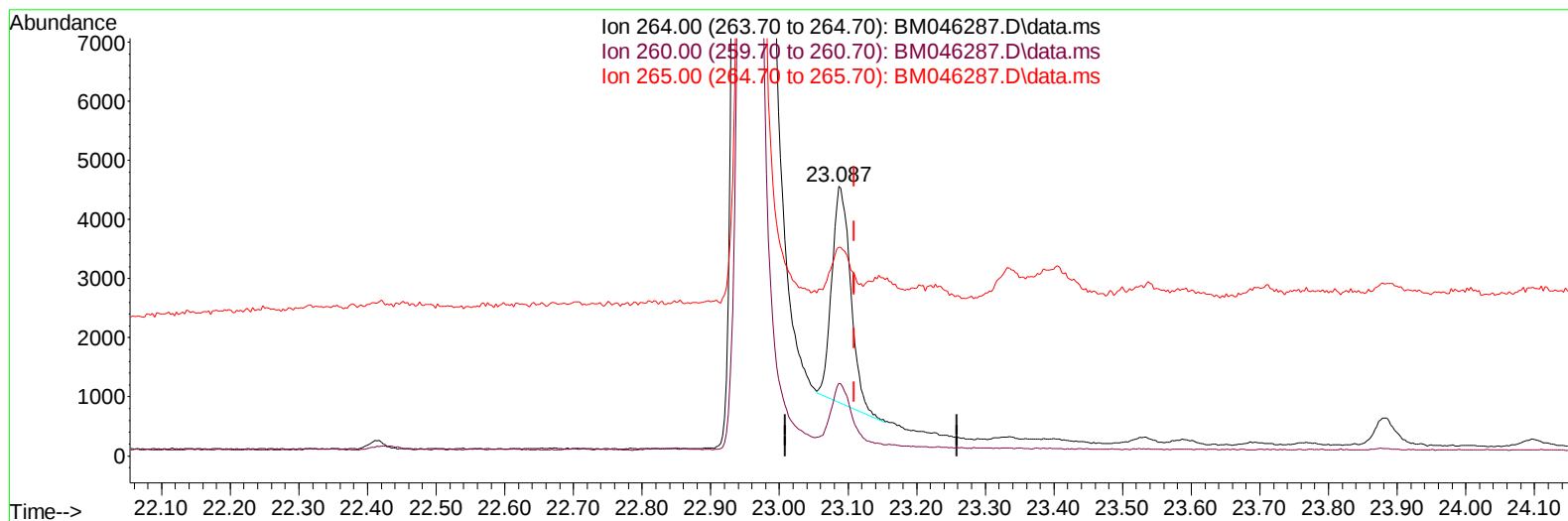
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062424\  
Data File : BM046287.D  
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ALS Vial : 46 Sample Multiplier: 1

Instrument :  
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Manual IntegrationsAPPROVED

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TIC: BM046287.D\data.ms

(23) Perylene-d12 (I)

23.087min (-0.023) 0.40 ng/ul m

response 6994

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 28.20  | 27.04  |
| 265.00 | 110.60 | 77.49# |
| 0.00   | 0.00   | 0.00   |

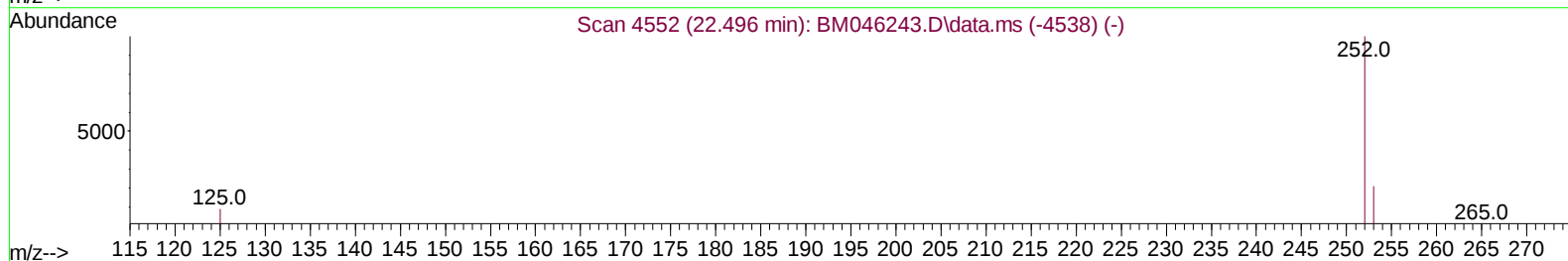
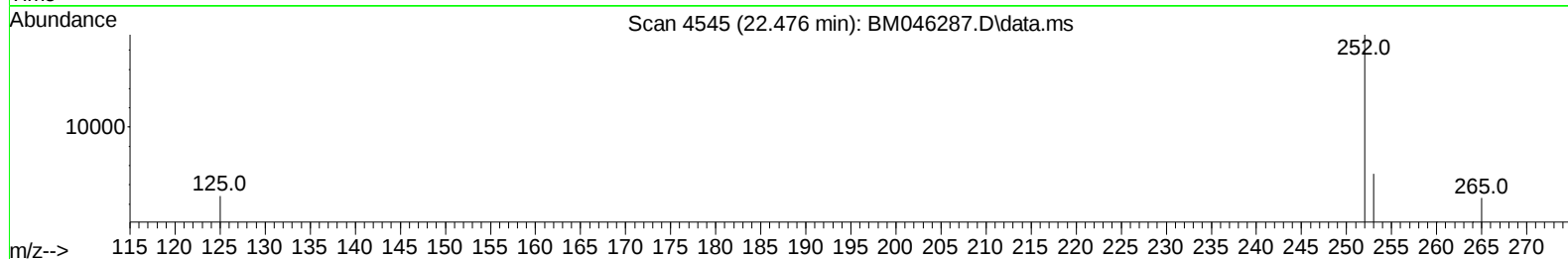
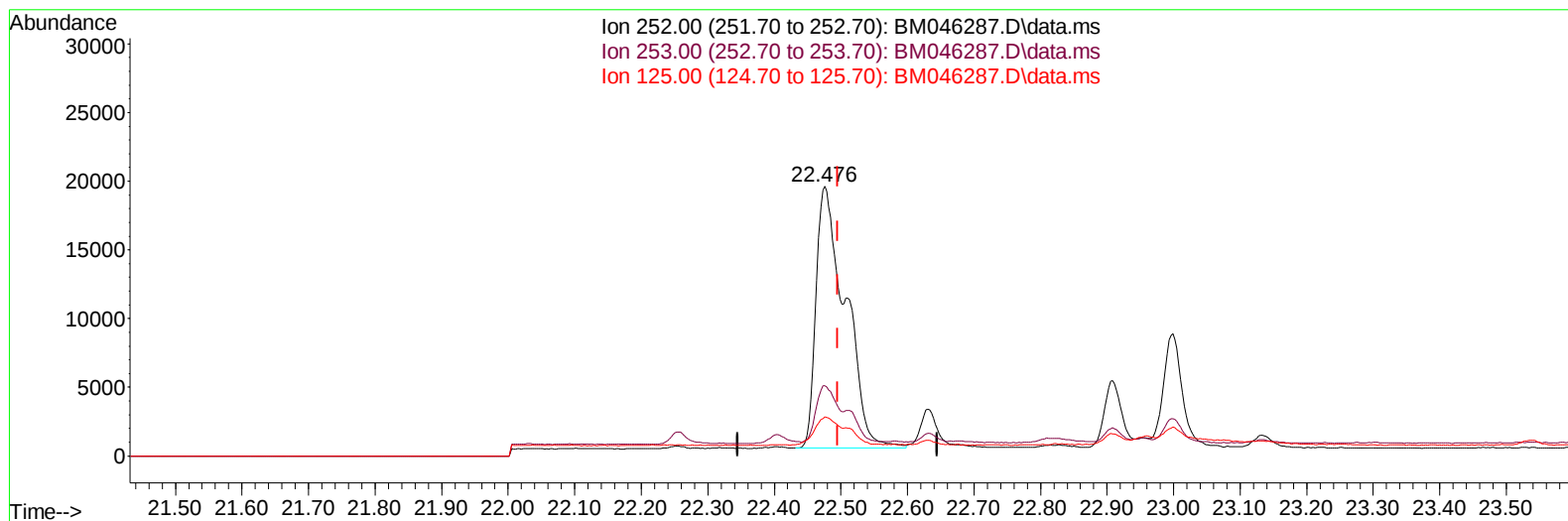
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062424\  
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Instrument :  
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Manual IntegrationsAPPROVED

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TIC: BM046287.D\data.ms

(24) Benzo(b)fluoranthene

22.476min (-0.020) 2.31 ng/u1

response 58139

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 32.90  | 26.12  |
| 125.00 | 20.10  | 14.43  |
| 0.00   | 0.00   | 0.00   |

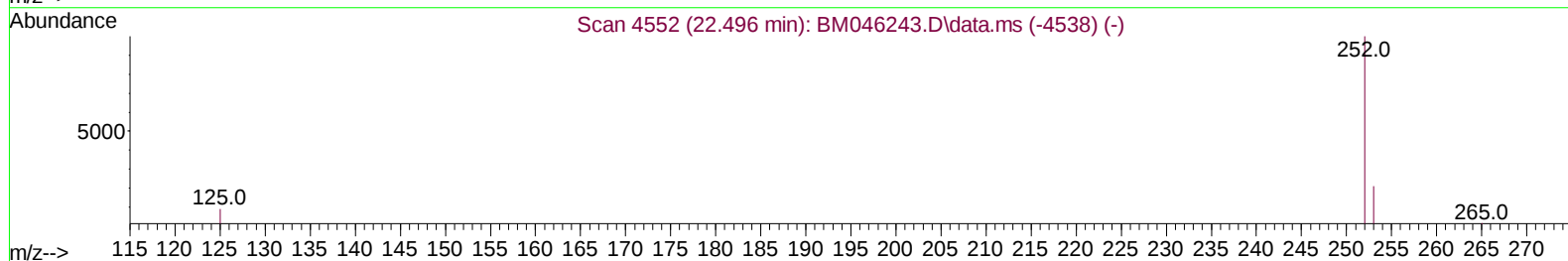
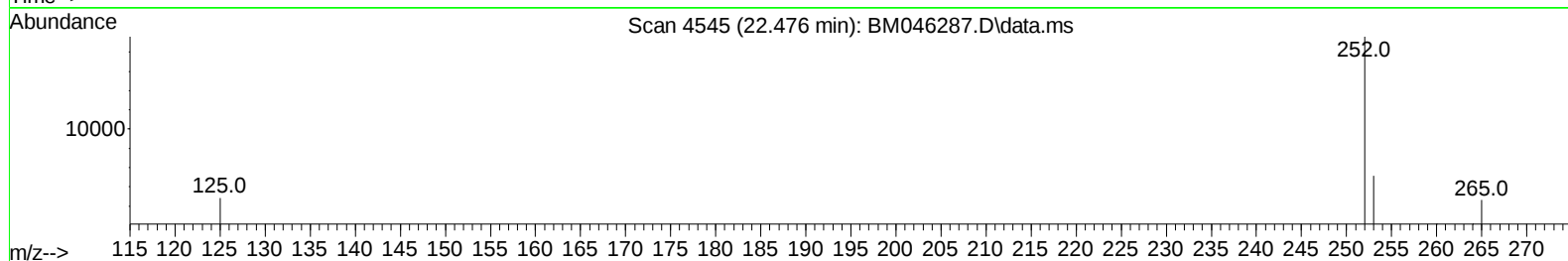
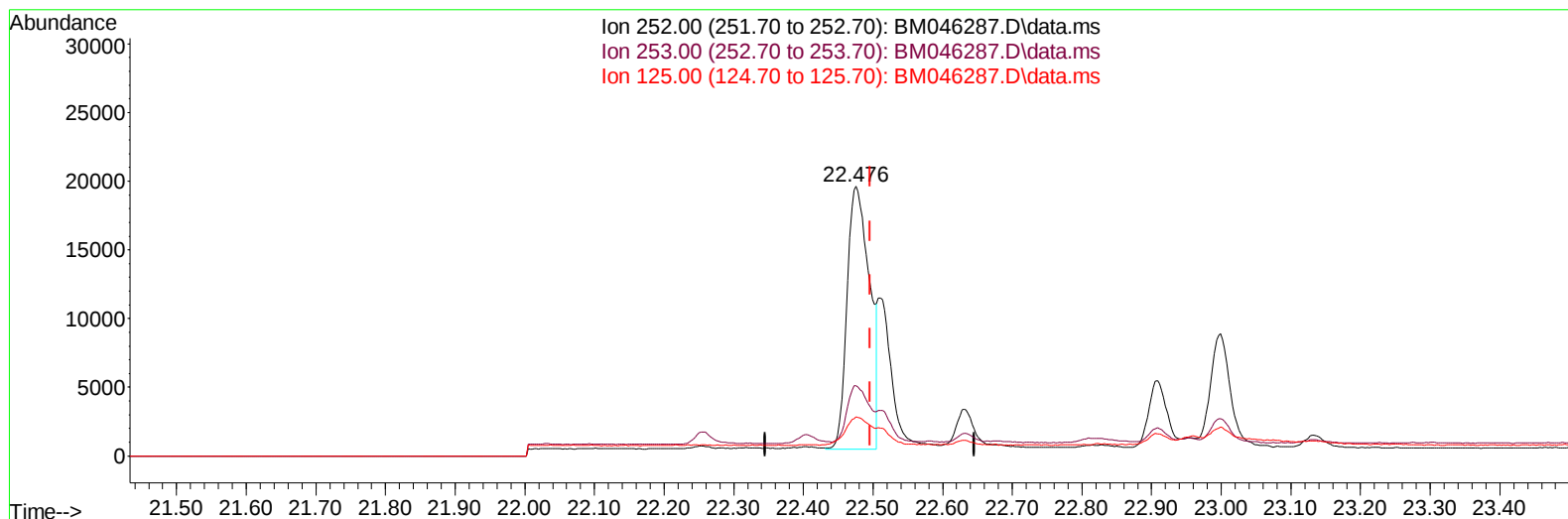
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062424\  
Data File : BM046287.D  
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Operator : MA/JU  
Sample : P2844-07  
Misc :  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4C85

Manual IntegrationsAPPROVED

Quant Time: Jun 25 12:59:30 2024  
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TIC: BM046287.D\data.ms

(24) Benzo(b)fluoranthene

22.476min (-0.020) 1.71 ng/u1 m

response 43212

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 32.90  | 26.12  |
| 125.00 | 20.10  | 14.43  |
| 0.00   | 0.00   | 0.00   |

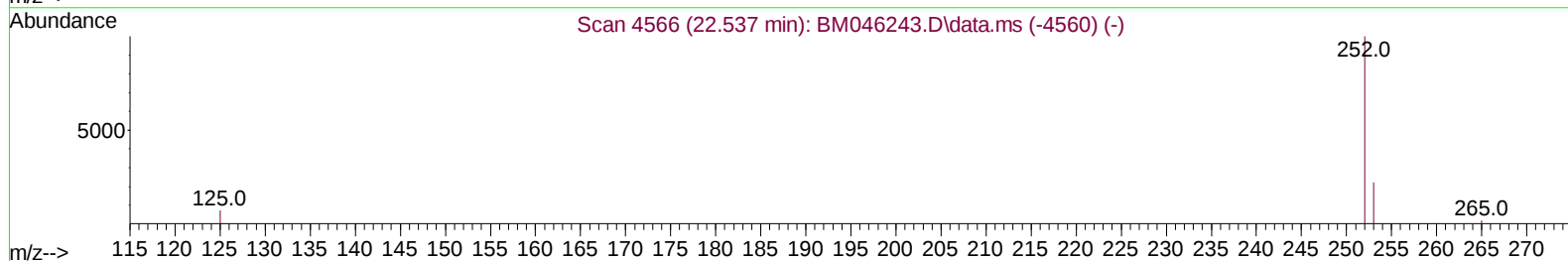
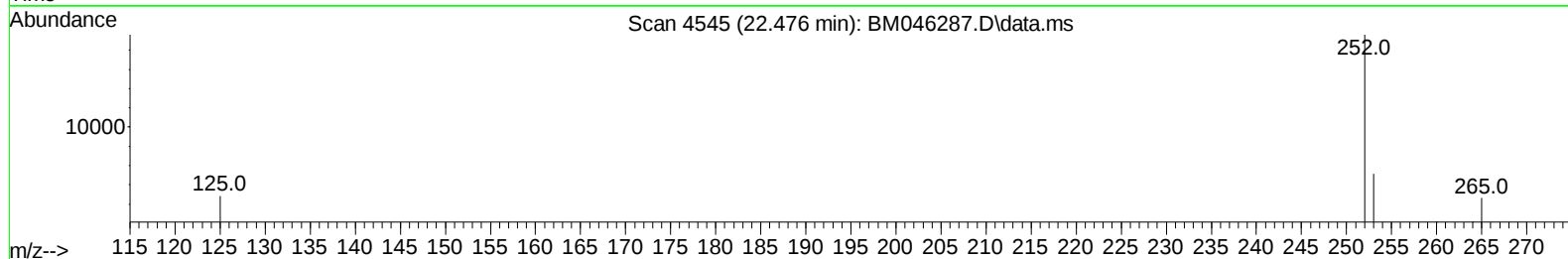
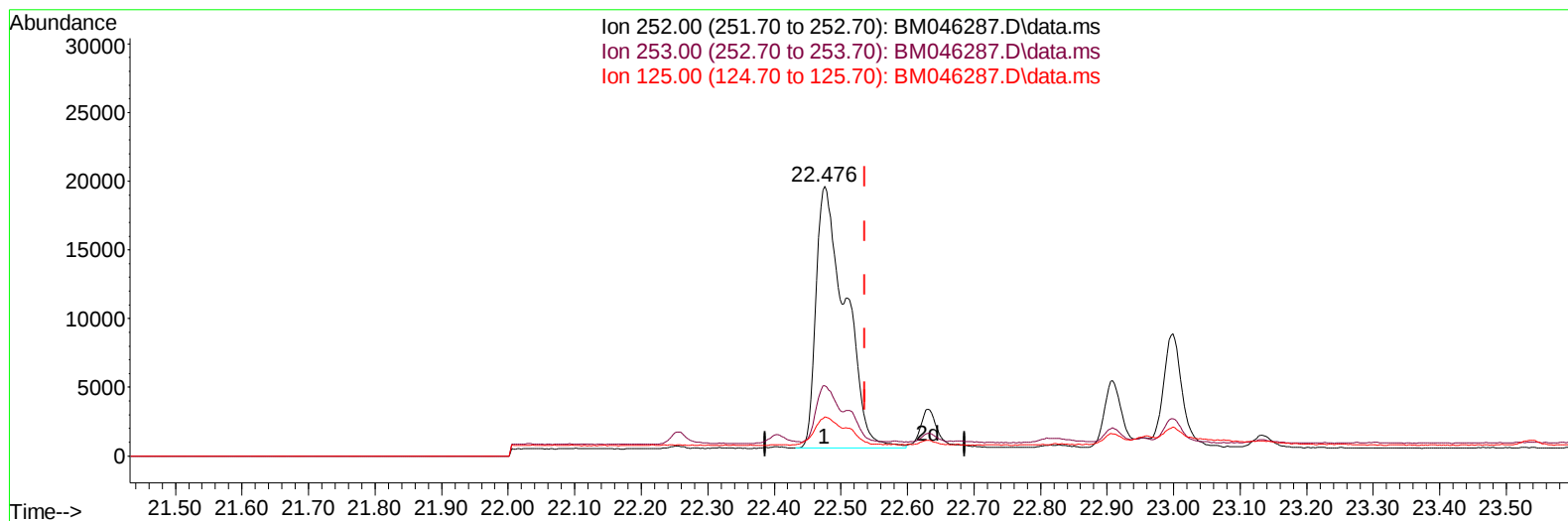
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062424\  
Data File : BM046287.D  
Acq On : 25 Jun 2024 12:18  
Operator : MA/JU  
Sample : P2844-07  
Misc :  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4C85

Manual IntegrationsAPPROVED

Quant Time: Jun 25 12:59:30 2024  
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Reviewed By :Yogesh Patel 06/26/2024  
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TIC: BM046287.D\data.ms

(25) Benzo(k)fluoranthene

22.476min (-0.061) 1.94 ng/u1

response 58139

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 34.00  | 26.12# |
| 125.00 | 20.80  | 14.43# |
| 0.00   | 0.00   | 0.00   |

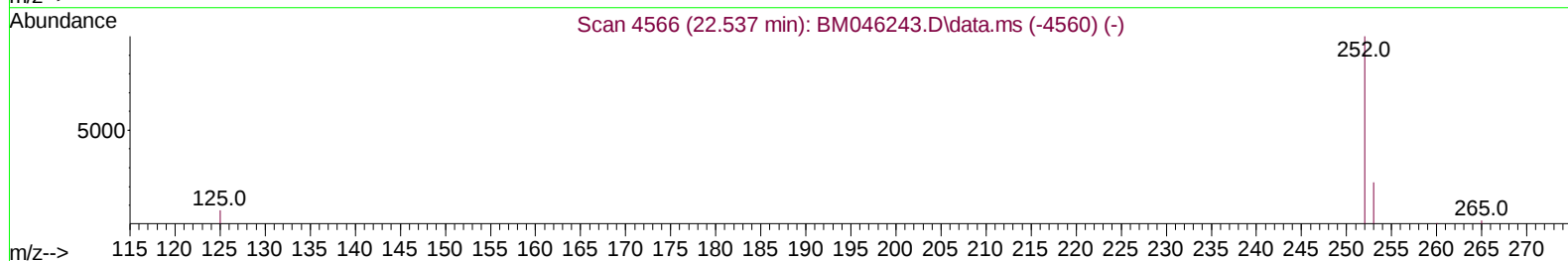
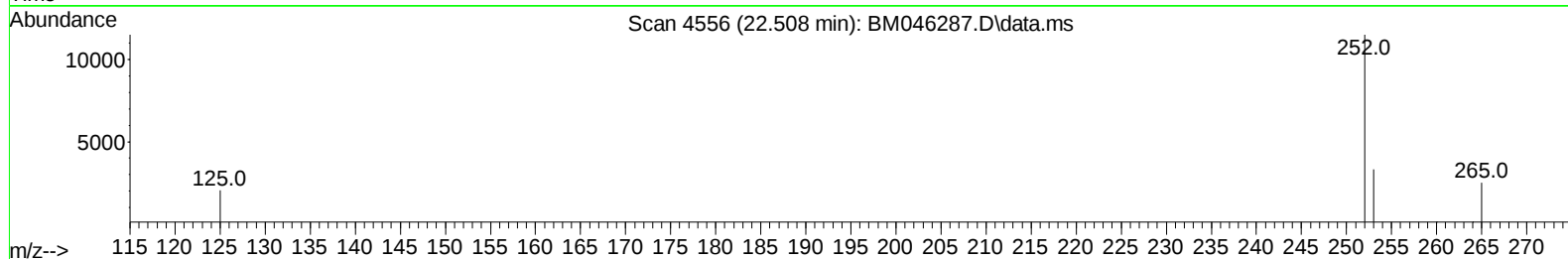
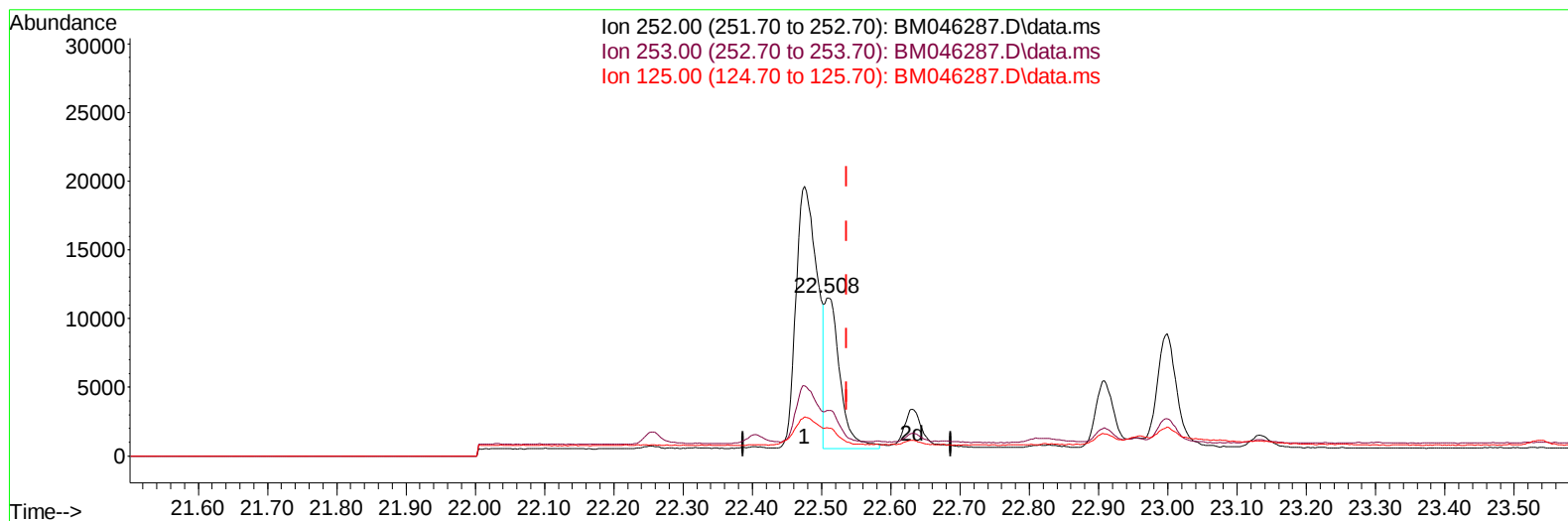
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Data File : BM046287.D  
Acq On : 25 Jun 2024 12:18  
Operator : MA/JU  
Sample : P2844-07  
Misc :  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4C85

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 06/26/2024  
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046287.D\data.ms

(25) Benzo(k)fluoranthene

22.508min (-0.029) 0.57 ng/u1 m

response 17223

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 34.00  | 28.77  |
| 125.00 | 20.80  | 17.75  |
| 0.00   | 0.00   | 0.00   |

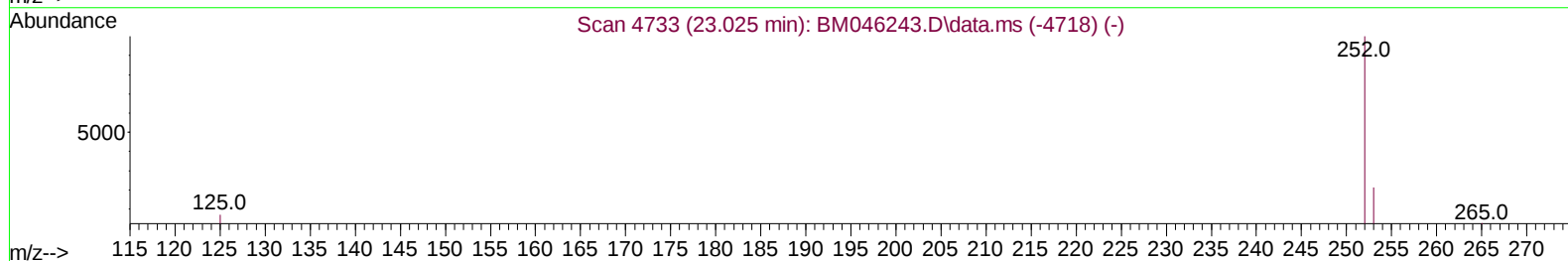
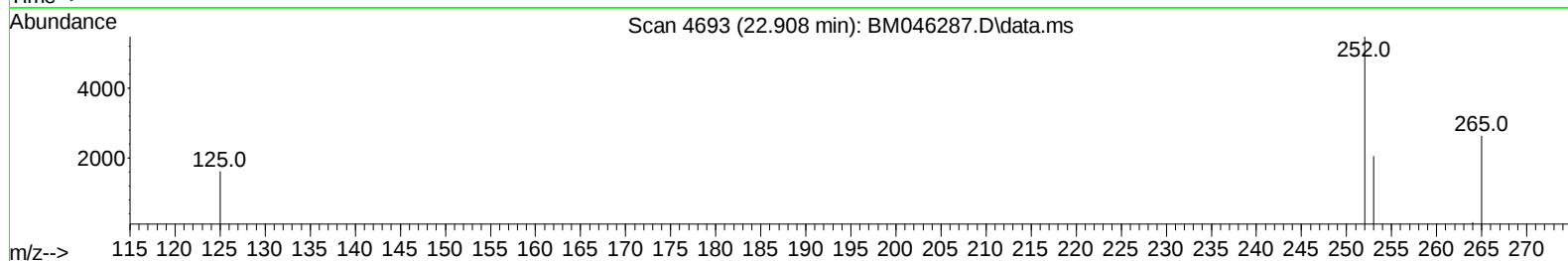
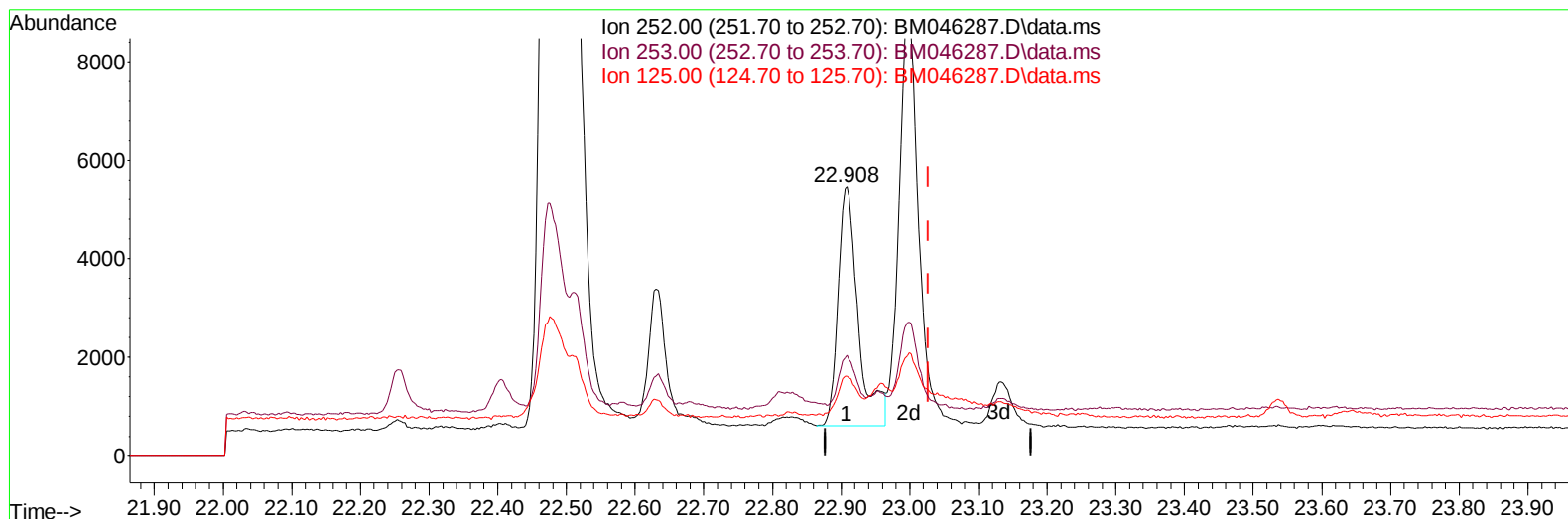
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Data File : BM046287.D  
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Operator : MA/JU  
Sample : P2844-07  
Misc :  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4C85

Manual IntegrationsAPPROVED

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TIC: BM046287.D\data.ms

(26) Benzo(a)pyrene (C)

22.908min (-0.119) 0.42 ng/u1

response 9822

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 40.10  | 37.43  |
| 125.00 | 26.50  | 29.60  |
| 0.00   | 0.00   | 0.00   |

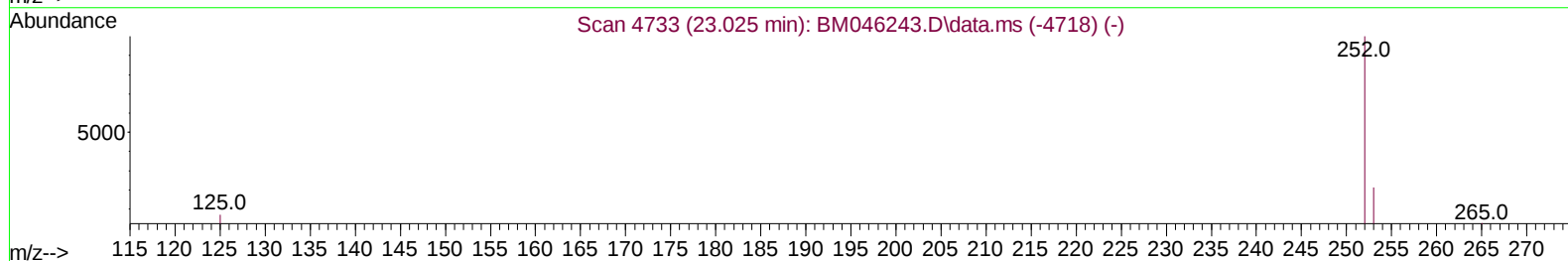
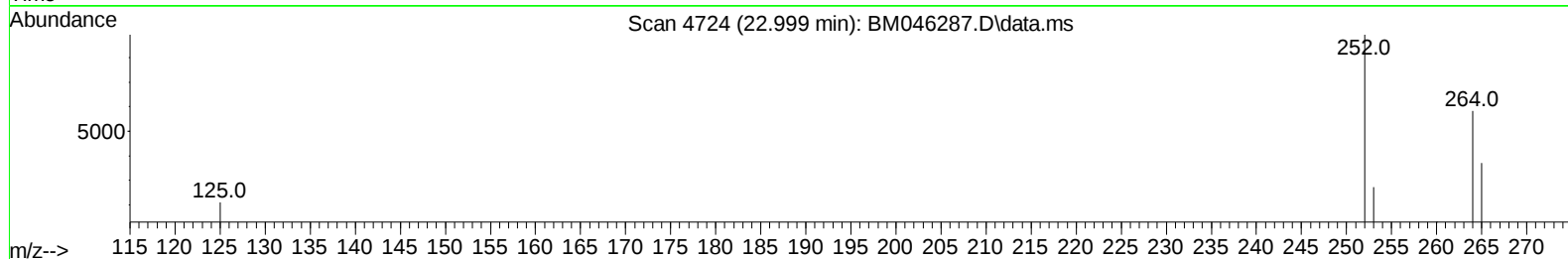
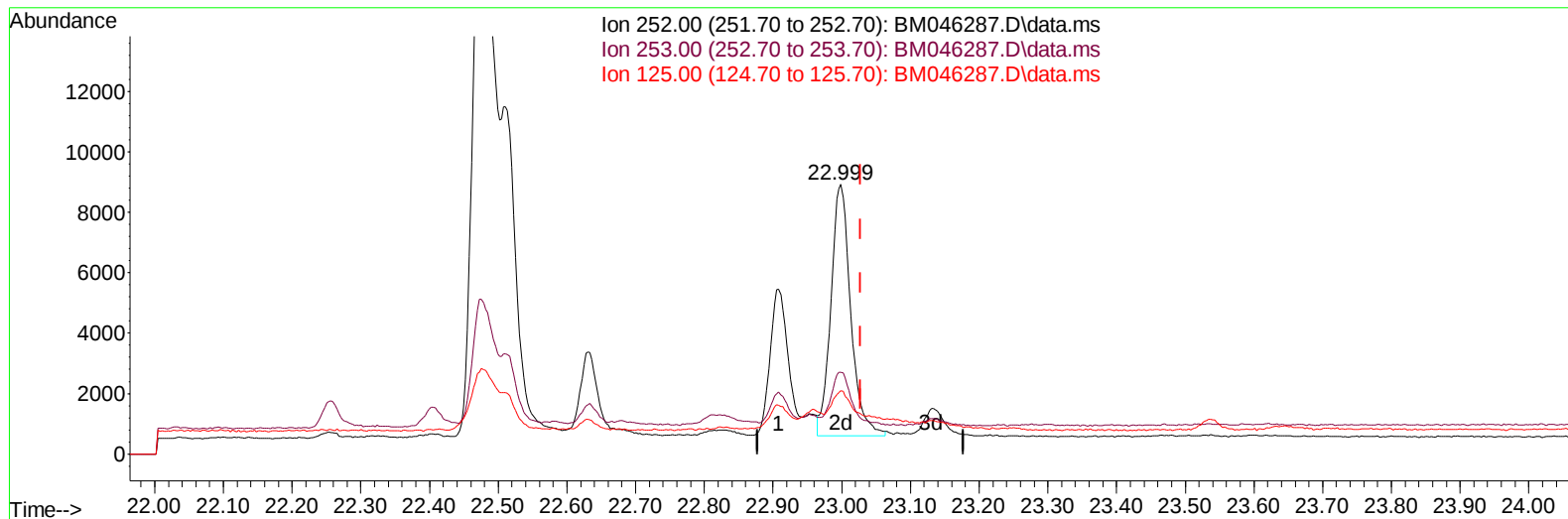
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062424\  
Data File : BM046287.D  
Acq On : 25 Jun 2024 12:18  
Operator : MA/JU  
Sample : P2844-07  
Misc :  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4C85

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/26/2024  
Supervised By :mohammad ahmed 06/27/2024

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TIC: BM046287.D\data.ms

## (26) Benzo(a)pyrene (C)

22.999min (-0.029) 0.72 ng/u1 m

response 16734

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 40.10  | 30.42# |
| 125.00 | 26.50  | 23.51  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062424\  
 Data File : BM046287.D  
 Acq On : 25 Jun 2024 12:18  
 Operator : MA/JU  
 Sample : P2844-07  
 Misc :  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4C85

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/26/2024  
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| Compound                    | R.T.   | Q   | Ion | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|-----|-----|----------|-------|--------|----------|
| -----                       |        |     |     |          |       |        |          |
| Internal Standards          |        |     |     |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.400  | 152 |     | 2452     | 0.400 | ng/ul  | -0.05    |
| 4) Naphthalene-d8           | 10.176 | 136 |     | 7243     | 0.400 | ng/ul  | -0.08    |
| 9) Acenaphthene-d10         | 14.047 | 164 |     | 4022     | 0.400 | ng/ul  | -0.04    |
| 13) Phenanthrene-d10        | 16.798 | 188 |     | 8181     | 0.400 | ng/ul  | -0.06    |
| 17) Chrysene-d12            | 21.003 | 240 |     | 6476     | 0.400 | ng/ul  | -0.02    |
| 23) Perylene-d12            | 23.087 | 264 |     | 6994m    | 0.400 | ng/ul  | -0.02    |
| System Monitoring Compounds |        |     |     |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.021  | 96  |     | 6573     | 1.954 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.815 | 152 |     | 1356     | 0.139 | ng/ul  | -0.06    |
| 18) Fluoranthene-d10        | 18.829 | 212 |     | 2890     | 0.149 | ng/ul  | -0.04    |
| Target Compounds            |        |     |     |          |       |        |          |
|                             |        |     |     |          |       |        | Qvalue   |
| 5) Naphthalene              | 10.220 | 128 |     | 812      | 0.040 | ng/ul# | 68       |
| 7) 2-Methylnaphthalene      | 11.887 | 142 |     | 294      | 0.026 | ng/ul  | 92       |
| 8) 1-Methylnaphthalene      | 12.090 | 142 |     | 297      | 0.024 | ng/ul  | 97       |
| 10) Acenaphthylene          | 13.765 | 152 |     | 1782     | 0.093 | ng/ul# | 83       |
| 11) Acenaphthene            | 14.112 | 153 |     | 1303     | 0.095 | ng/ul  | 95       |
| 12) Fluorene                | 15.107 | 166 |     | 1516     | 0.103 | ng/ul# | 95       |
| 15) Phenanthrene            | 16.836 | 178 |     | 34916    | 1.519 | ng/ul  | 96       |
| 16) Anthracene              | 16.929 | 178 |     | 6287     | 0.367 | ng/ul# | 95       |
| 19) Fluoranthene            | 18.861 | 202 |     | 69000    | 2.461 | ng/ul  | 96       |
| 20) Pyrene                  | 19.224 | 202 |     | 50582    | 1.668 | ng/ul  | 96       |
| 21) Benzo(a)anthracene      | 20.988 | 228 |     | 28585    | 1.143 | ng/ul  | 100      |
| 22) Chrysene                | 21.038 | 228 |     | 28566    | 0.895 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.476 | 252 |     | 43212m   | 1.715 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.508 | 252 |     | 17223m   | 0.575 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 22.999 | 252 |     | 16734m   | 0.717 | ng/ul  |          |
| 27) Indeno(1,2,3-cd)pyrene  | 25.135 | 276 |     | 17157    | 0.449 | ng/ul# | 95       |
| 28) Dibenzo(a,h)anthracene  | 25.139 | 278 |     | 4702     | 0.165 | ng/ul# | 84       |
| 29) Benzo(g,h,i)perylene    | 25.759 | 276 |     | 2430     | 0.074 | ng/ul# | 66       |
| -----                       |        |     |     |          |       |        |          |

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

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