

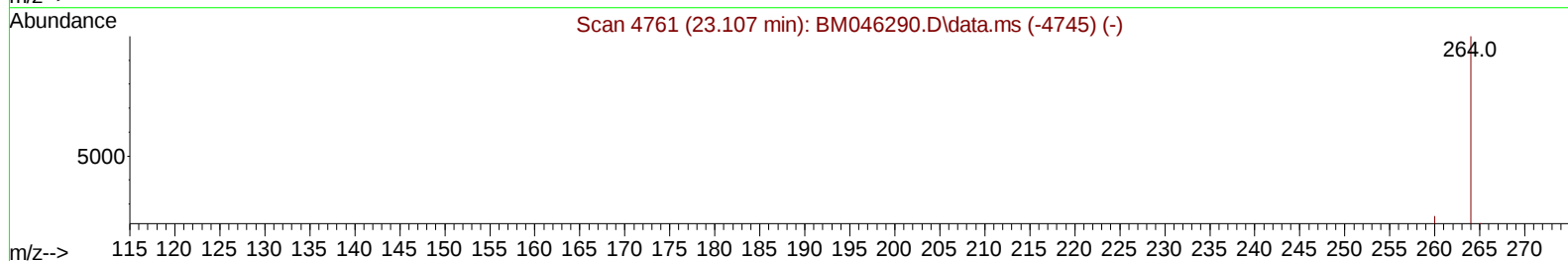
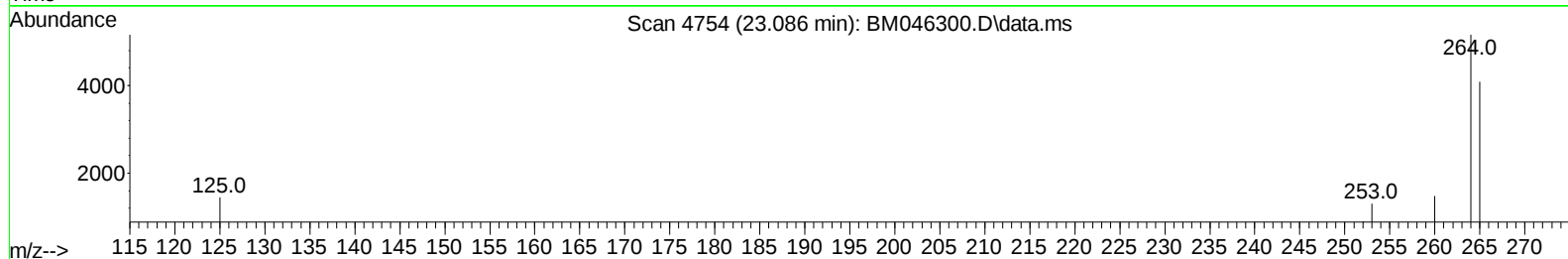
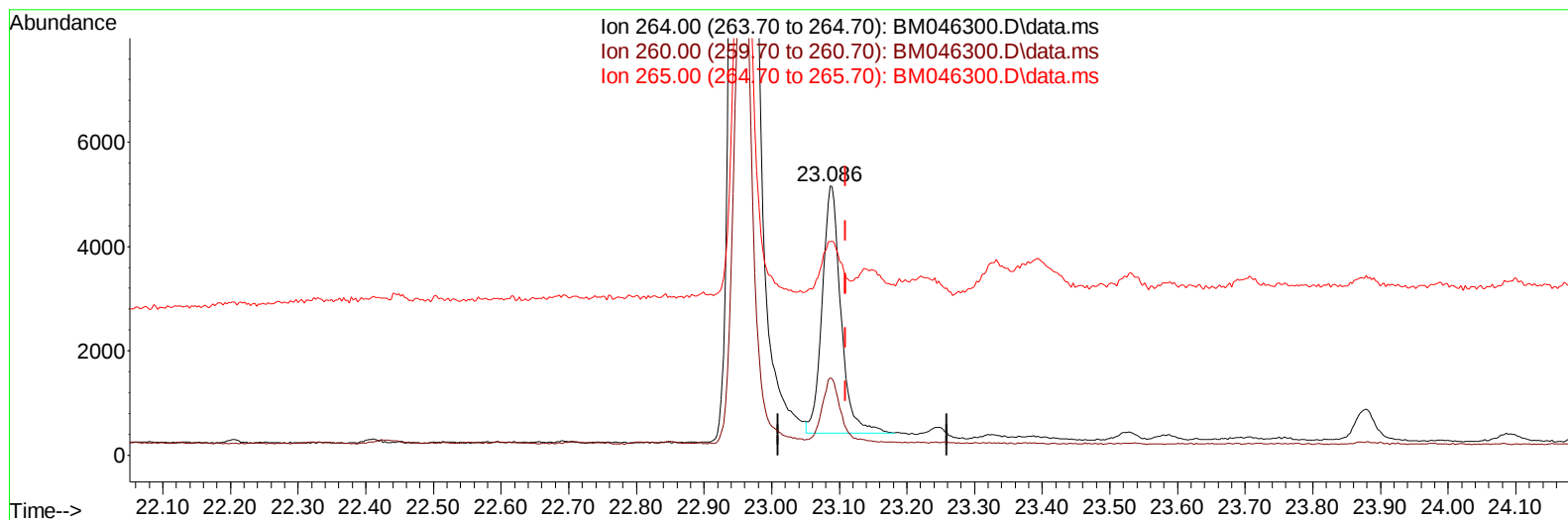
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062424\  
Data File : BM046300.D  
Acq On : 25 Jun 2024 20:21  
Operator : MA/JU  
Sample : P2844-09DL 5X  
Misc :  
ALS Vial : 60 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4C61DL

Manual IntegrationsAPPROVED

Quant Time: Jun 25 23:29:02 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: BM046300.D\data.ms

(23) Perylene-d12 (I)

23.086min (-0.023) 0.40 ng/u1

response 9062

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 28.20  | 28.63  |
| 265.00 | 110.60 | 79.36# |
| 0.00   | 0.00   | 0.00   |

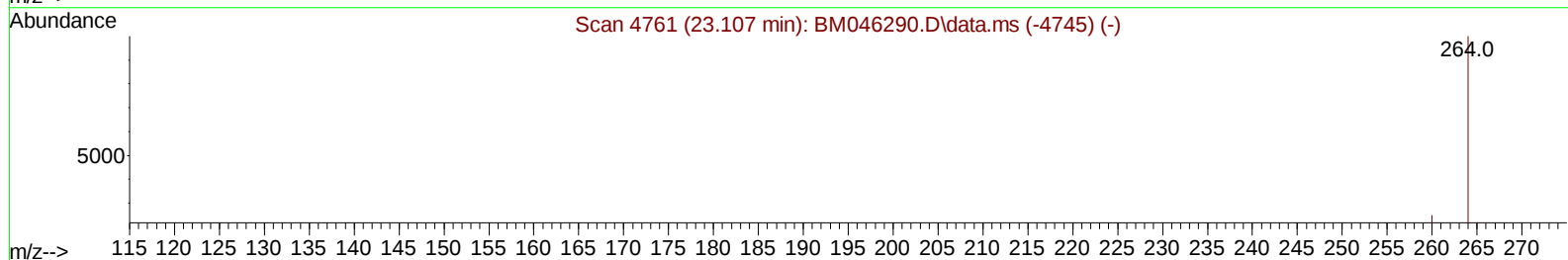
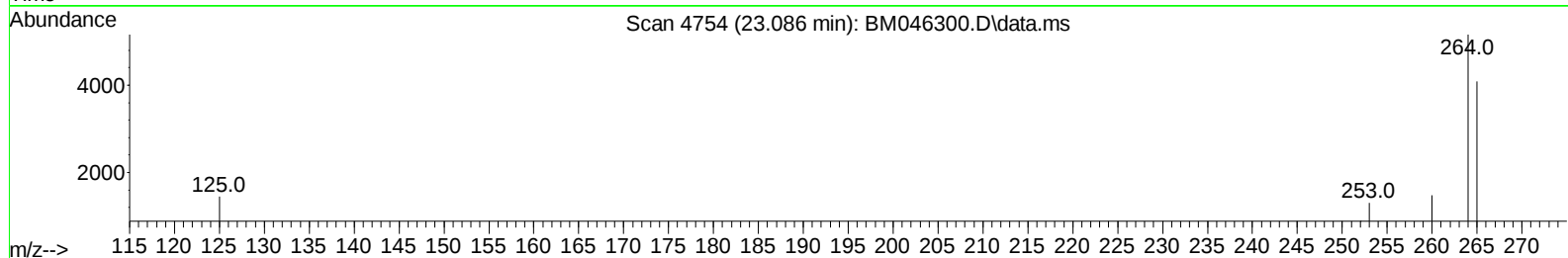
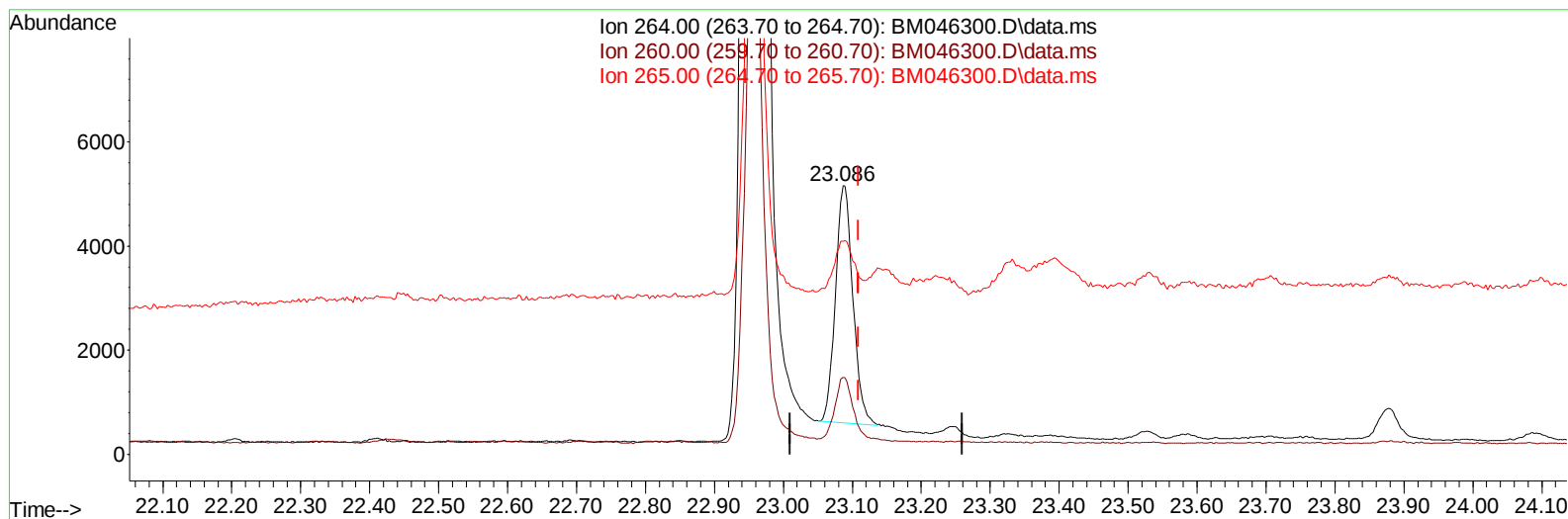
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062424\  
Data File : BM046300.D  
Acq On : 25 Jun 2024 20:21  
Operator : MA/JU  
Sample : P2844-09DL 5X  
Misc :  
ALS Vial : 60 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4C61DL

Manual IntegrationsAPPROVED

Quant Time: Jun 25 23:29:02 2024  
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TIC: BM046300.D\data.ms

(23) Perylene-d12 (I)

23.086min (-0.023) 0.40 ng/u1 m

response 8014

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 28.20  | 28.63  |
| 265.00 | 110.60 | 79.36# |
| 0.00   | 0.00   | 0.00   |

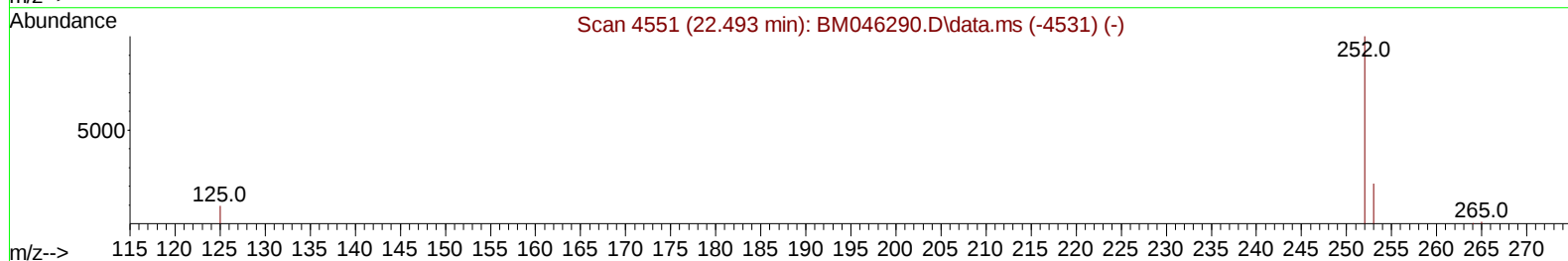
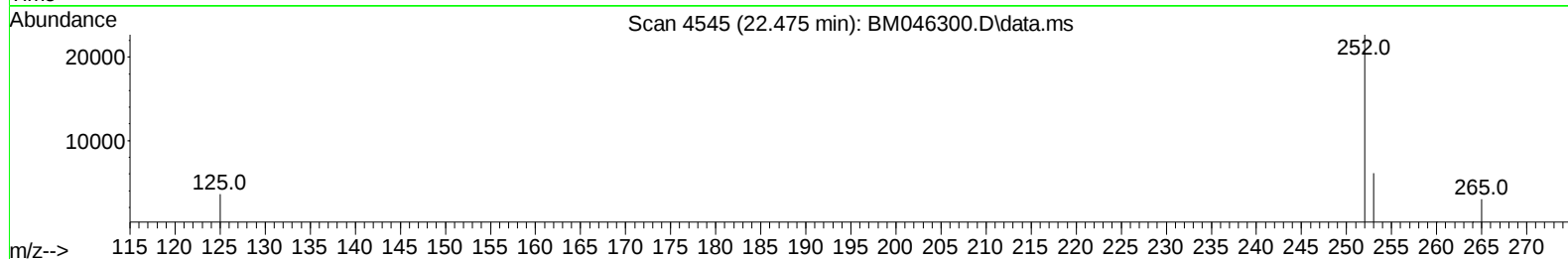
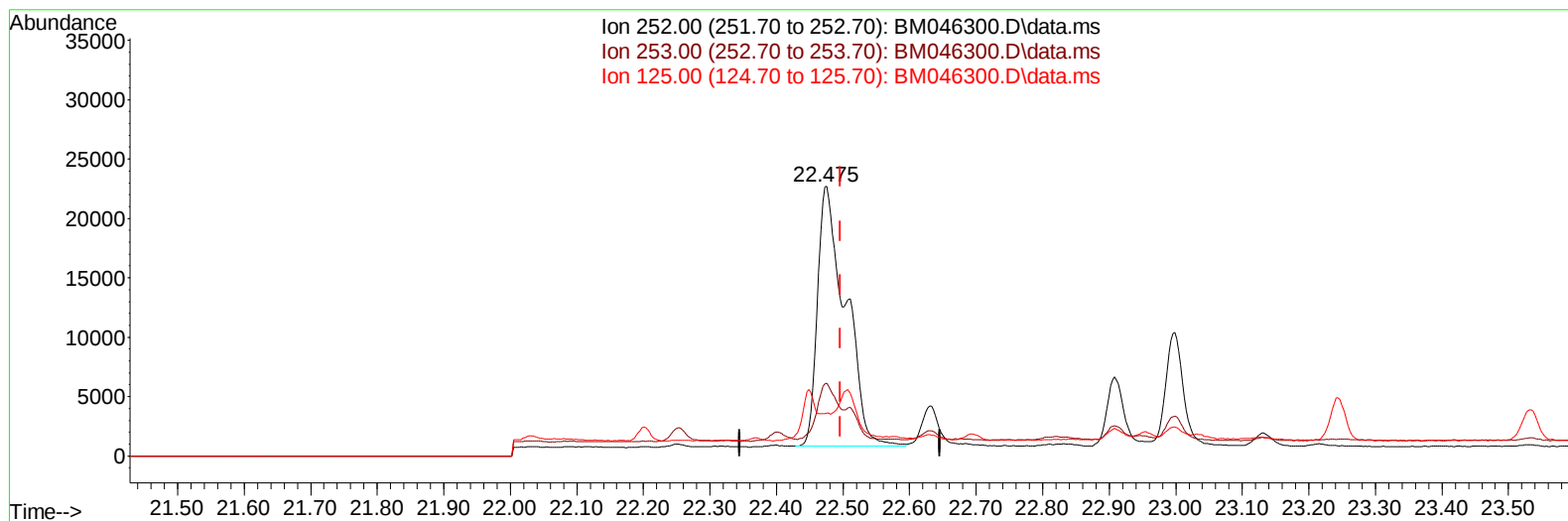
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062424\  
Data File : BM046300.D  
Acq On : 25 Jun 2024 20:21  
Operator : MA/JU  
Sample : P2844-09DL 5X  
Misc :  
ALS Vial : 60 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4C61DL

Manual IntegrationsAPPROVED

Quant Time: Jun 25 23:29:02 2024  
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TIC: BM046300.D\data.ms

(24) Benzo(b)fluoranthene

22.475min (-0.020) 2.20 ng/u1

response 63531

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 32.90  | 26.90  |
| 125.00 | 20.10  | 15.87  |
| 0.00   | 0.00   | 0.00   |

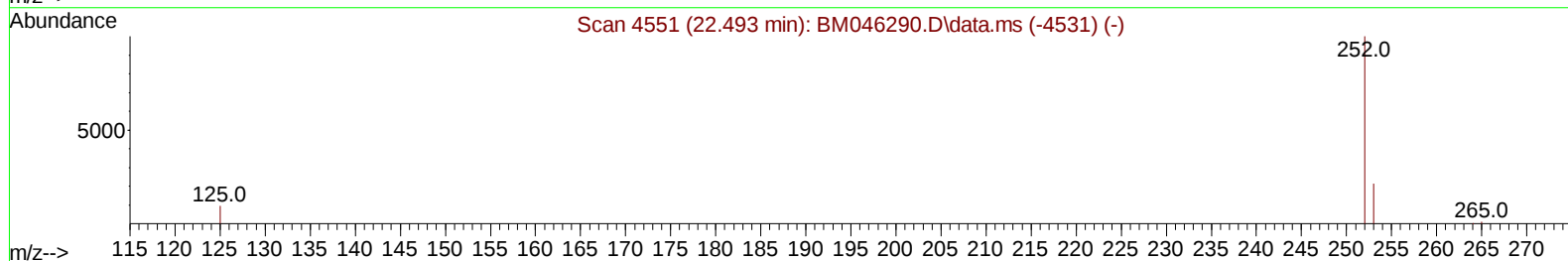
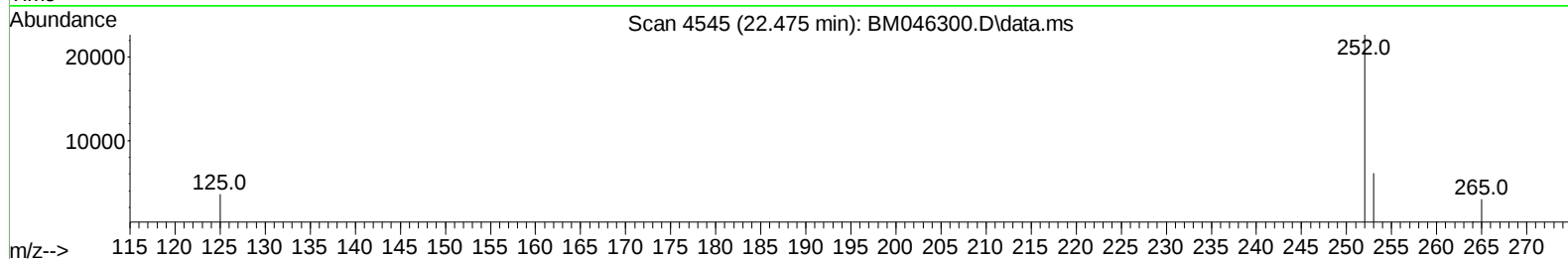
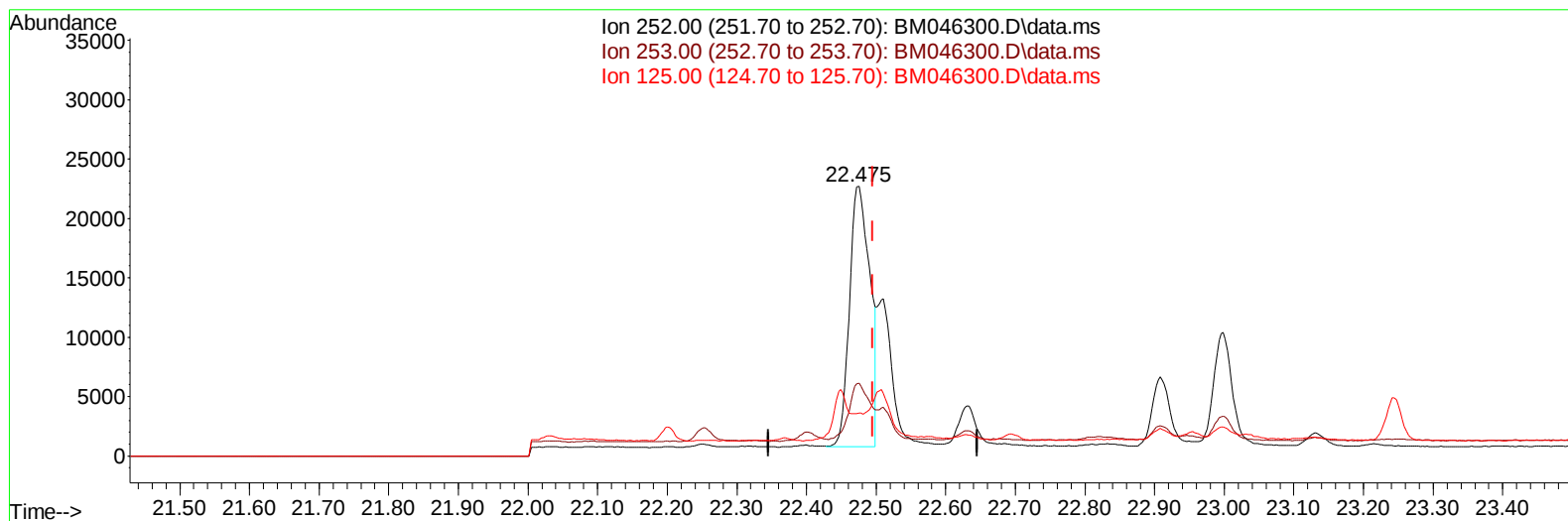
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062424\  
Data File : BM046300.D  
Acq On : 25 Jun 2024 20:21  
Operator : MA/JU  
Sample : P2844-09DL 5X  
Misc :  
ALS Vial : 60 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4C61DL

Manual IntegrationsAPPROVED

Quant Time: Jun 25 23:29:02 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
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QLast Update : Tue Jun 25 08:04:59 2024  
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TIC: BM046300.D\data.ms

(24) Benzo(b)fluoranthene

22.475min (-0.020) 1.55 ng/u1 m

response 44730

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 32.90  | 26.90  |
| 125.00 | 20.10  | 15.87  |
| 0.00   | 0.00   | 0.00   |

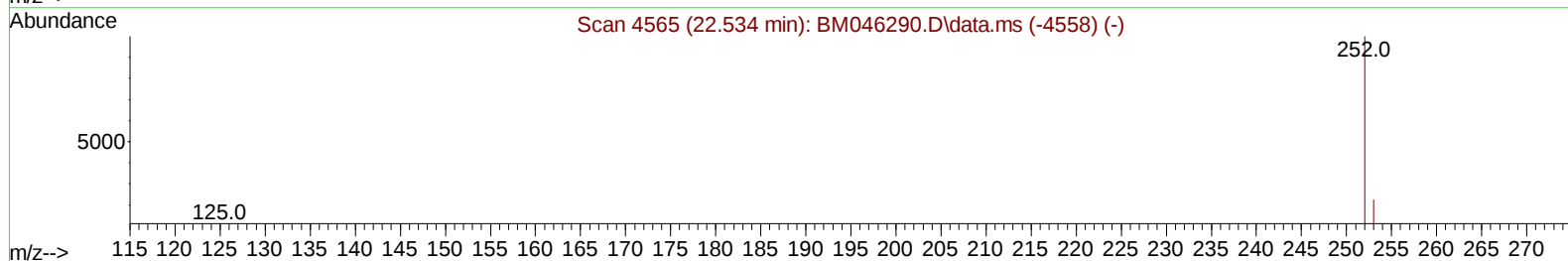
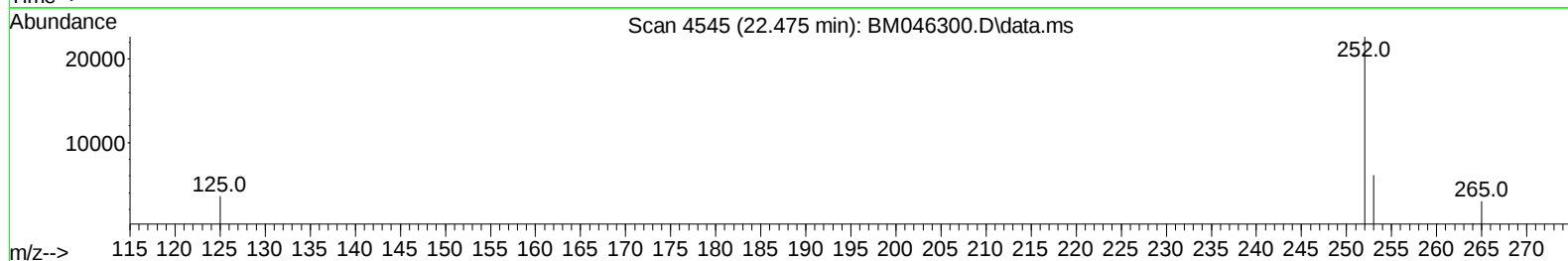
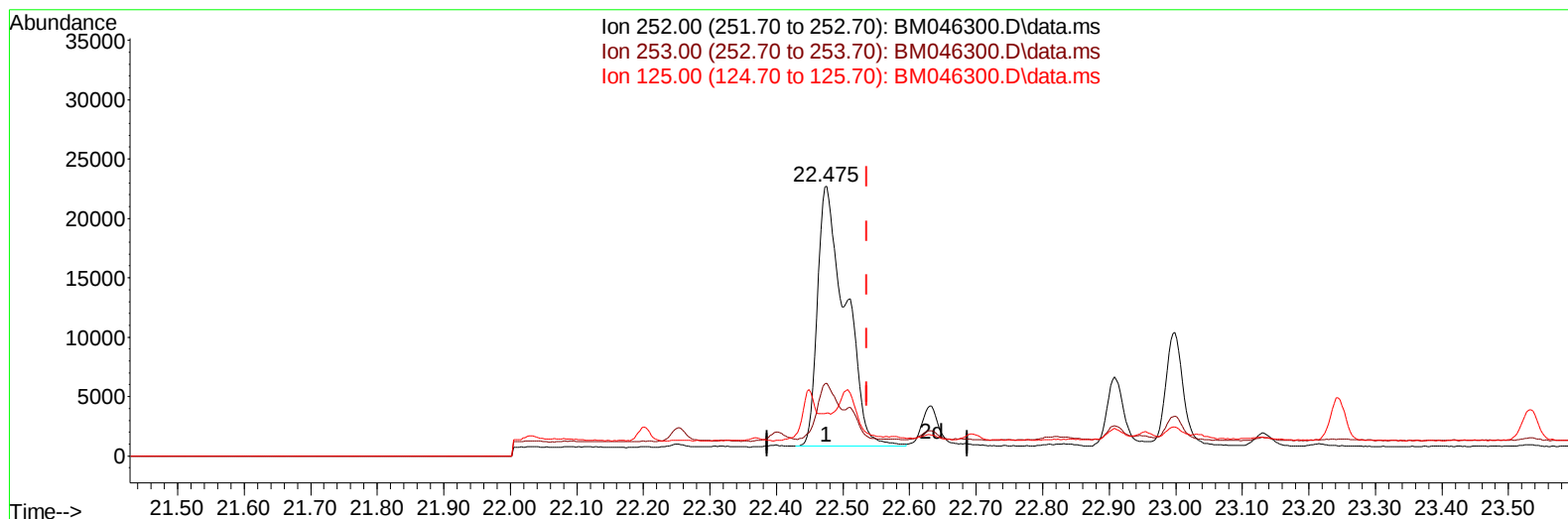
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062424\  
Data File : BM046300.D  
Acq On : 25 Jun 2024 20:21  
Operator : MA/JU  
Sample : P2844-09DL 5X  
Misc :  
ALS Vial : 60 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4C61DL

Manual IntegrationsAPPROVED

Quant Time: Jun 25 23:29:02 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
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QLast Update : Tue Jun 25 08:04:59 2024  
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TIC: BM046300.D\data.ms

(25) Benzo(k)fluoranthene

22.475min (-0.061) 1.85 ng/u1

response 63531

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 34.00  | 26.90# |
| 125.00 | 20.80  | 15.87# |
| 0.00   | 0.00   | 0.00   |

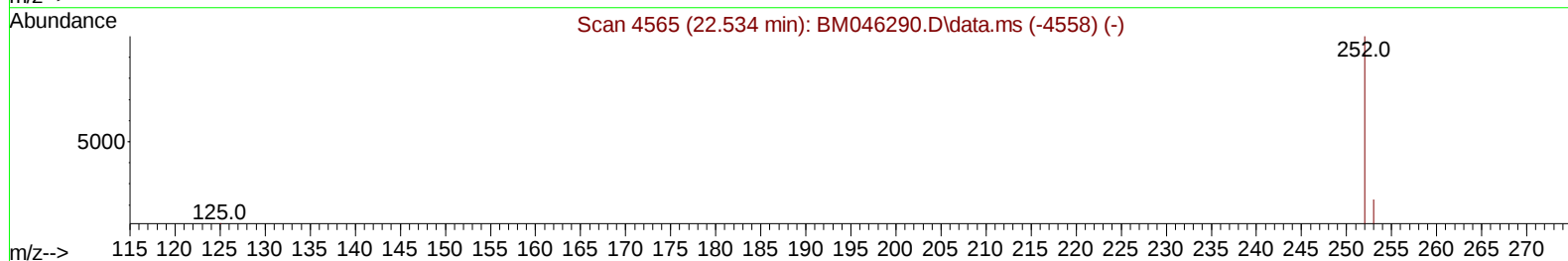
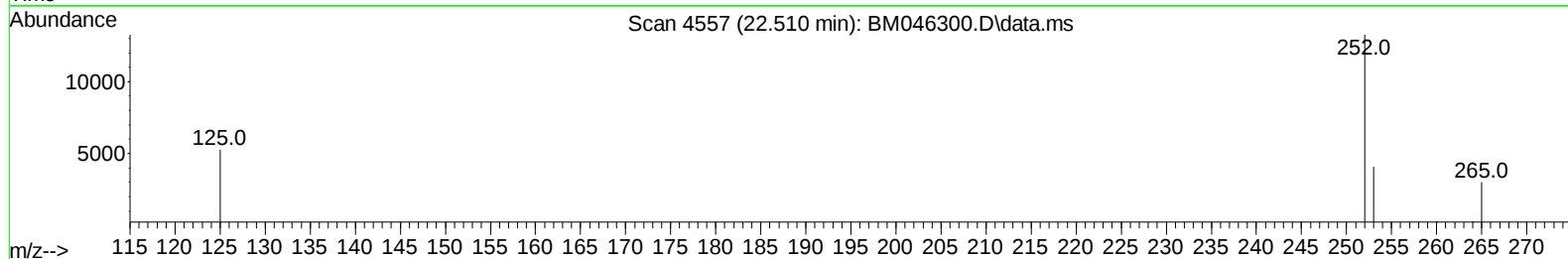
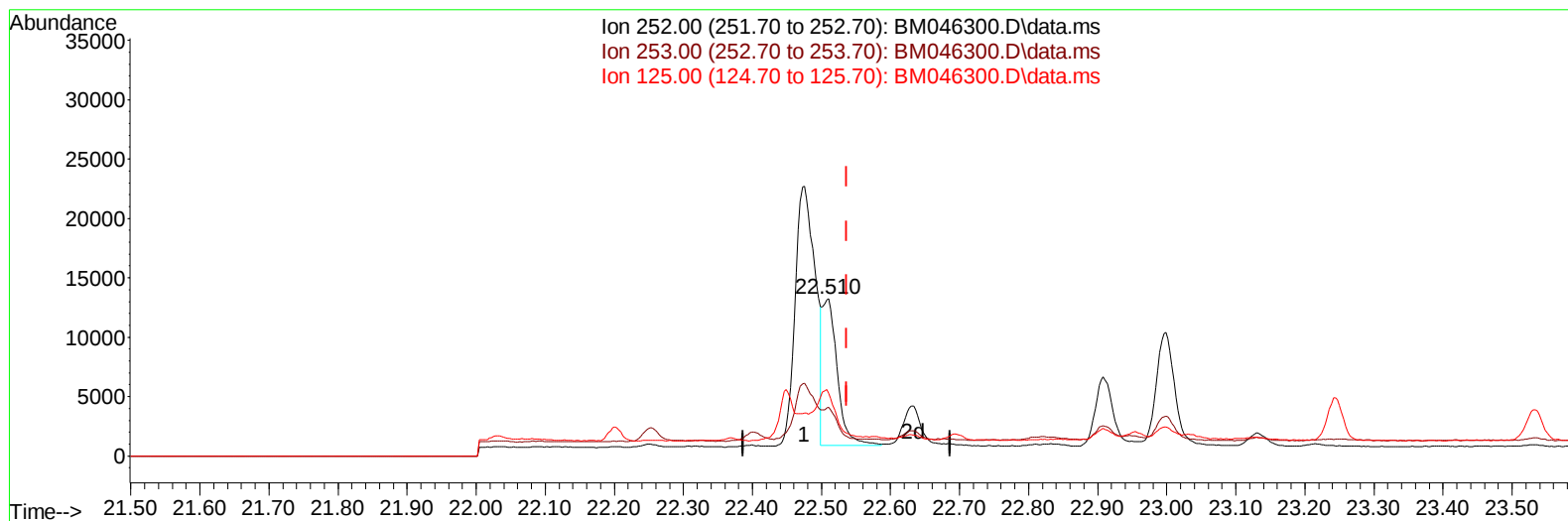
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Data File : BM046300.D  
Acq On : 25 Jun 2024 20:21  
Operator : MA/JU  
Sample : P2844-09DL 5X  
Misc :  
ALS Vial : 60 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4C61DL

Manual IntegrationsAPPROVED

Quant Time: Jun 25 23:29:02 2024  
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QLast Update : Tue Jun 25 08:04:59 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024  
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TIC: BM046300.D\data.ms

(25) Benzo(k)fluoranthene

22.510min (-0.026) 0.54 ng/u1 m

response 18433

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 34.00  | 30.72  |
| 125.00 | 20.80  | 39.78# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062424\  
 Data File : BM046300.D  
 Acq On : 25 Jun 2024 20:21  
 Operator : MA/JU  
 Sample : P2844-09DL 5X  
 Misc :  
 ALS Vial : 60 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4C61DL

## Manual IntegrationsAPPROVED

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

Quant Time: Jun 25 23:29:02 2024  
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 QLast Update : Tue Jun 25 08:04:59 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.400  | 152  | 2445     | 0.400 | ng/ul  | -0.05    |
| 4) Naphthalene-d8           | 10.189 | 136  | 7253     | 0.400 | ng/ul  | -0.07    |
| 9) Acenaphthene-d10         | 14.053 | 164  | 4127     | 0.400 | ng/ul  | -0.04    |
| 13) Phenanthrene-d10        | 16.799 | 188  | 8423     | 0.400 | ng/ul  | -0.05    |
| 17) Chrysene-d12            | 21.000 | 240  | 7140     | 0.400 | ng/ul  | -0.03    |
| 23) Perylene-d12            | 23.086 | 264  | 8014m    | 0.400 | ng/ul  | -0.02    |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.025  | 96   | 2768     | 0.825 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.816 | 152  | 620      | 0.064 | ng/ul  | -0.05    |
| 18) Fluoranthene-d10        | 18.830 | 212  | 1442     | 0.067 | ng/ul  | -0.04    |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.233 | 128  | 1355     | 0.067 | ng/ul# | 74       |
| 7) 2-Methylnaphthalene      | 11.882 | 142  | 484      | 0.043 | ng/ul  | 95       |
| 8) 1-Methylnaphthalene      | 12.091 | 142  | 438      | 0.035 | ng/ul  | 95       |
| 10) Acenaphthylene          | 13.771 | 152  | 3078     | 0.157 | ng/ul# | 93       |
| 11) Acenaphthene            | 14.114 | 153  | 1222     | 0.086 | ng/ul  | 94       |
| 12) Fluorene                | 15.113 | 166  | 1505     | 0.099 | ng/ul# | 96       |
| 15) Phenanthrene            | 16.842 | 178  | 30331    | 1.282 | ng/ul  | 96       |
| 16) Anthracene              | 16.930 | 178  | 6391     | 0.363 | ng/ul  | 96       |
| 19) Fluoranthene            | 18.863 | 202  | 63682    | 2.060 | ng/ul  | 96       |
| 20) Pyrene                  | 19.221 | 202  | 48926    | 1.463 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 20.982 | 228  | 30524    | 1.107 | ng/ul  | 97       |
| 22) Chrysene                | 21.035 | 228  | 29153    | 0.828 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.475 | 252  | 44730m   | 1.549 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.510 | 252  | 18433m   | 0.537 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 22.999 | 252  | 17683    | 0.661 | ng/ul# | 90       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.128 | 276  | 20231    | 0.462 | ng/ul# | 72       |
| 28) Dibenzo(a,h)anthracene  | 25.128 | 278  | 5487     | 0.168 | ng/ul# | 41       |
| 29) Benzo(g,h,i)perylene    | 25.749 | 276  | 3045     | 0.081 | ng/ul# | 56       |
| -----                       |        |      |          |       |        |          |

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

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