

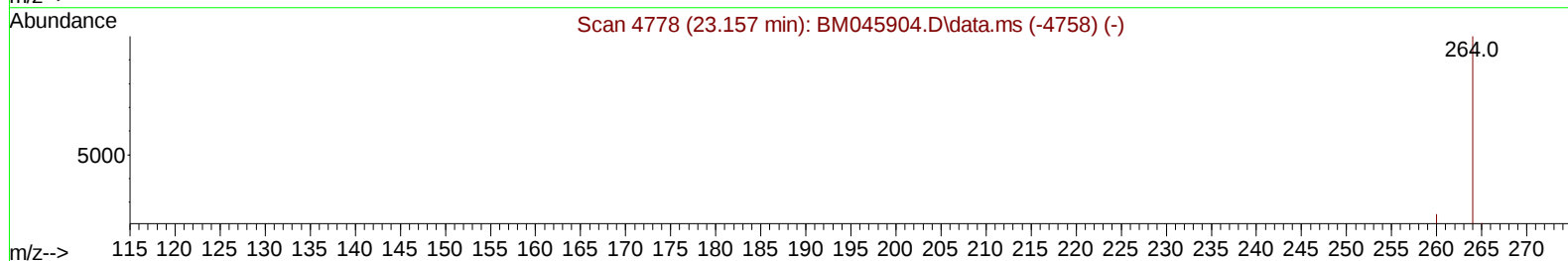
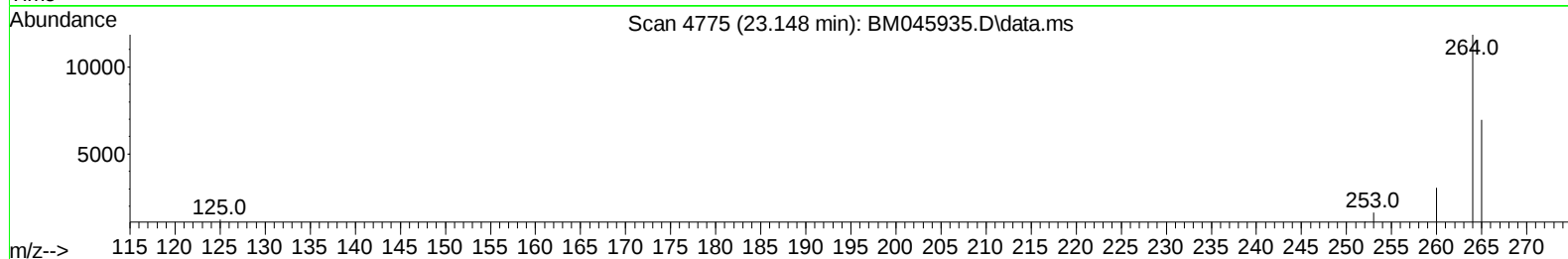
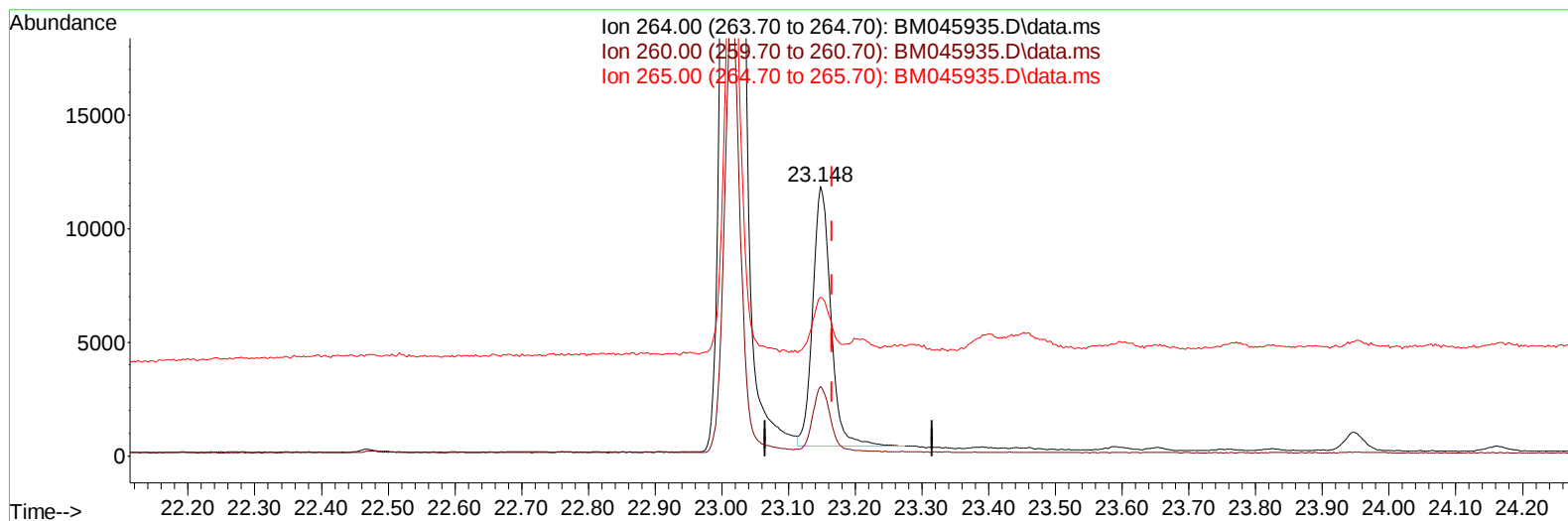
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM060724\  
Data File : BM045935.D  
Acq On : 09 Jun 2024 03:10  
Operator : MA/JU  
Sample : P2640-13DL 5X  
Misc :  
ALS Vial : 64 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4C33DL

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:31:36 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM060624.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 07 22:59:16 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/10/2024  
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045935.D\data.ms

(23) Perylene-d12 (I)

23.148min (-0.017) 0.40 ng/u1

response 21489

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 25.70  | 25.81  |
| 265.00 | 76.60  | 58.75# |
| 0.00   | 0.00   | 0.00   |

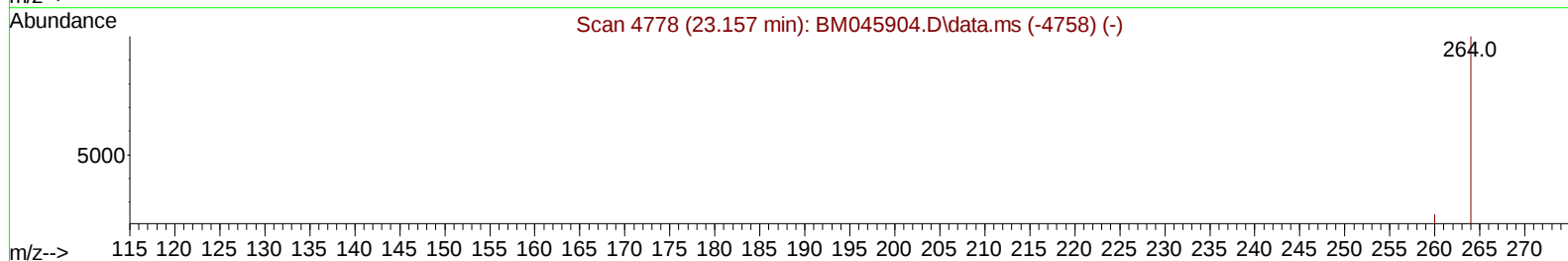
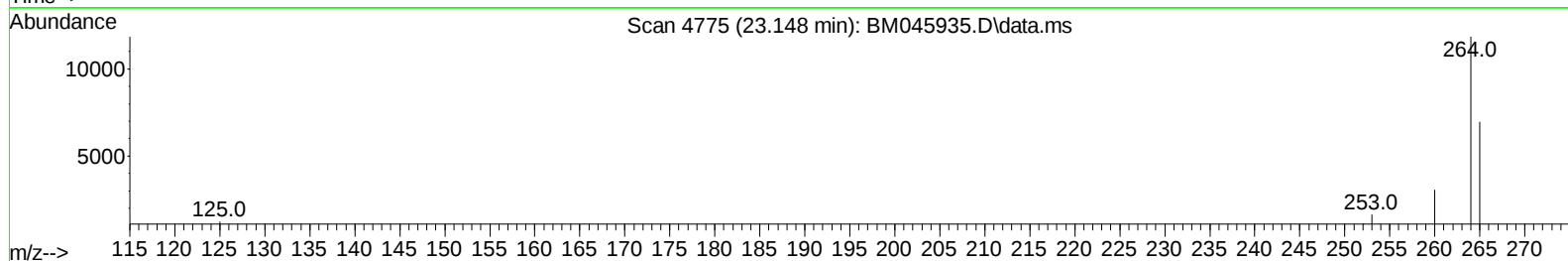
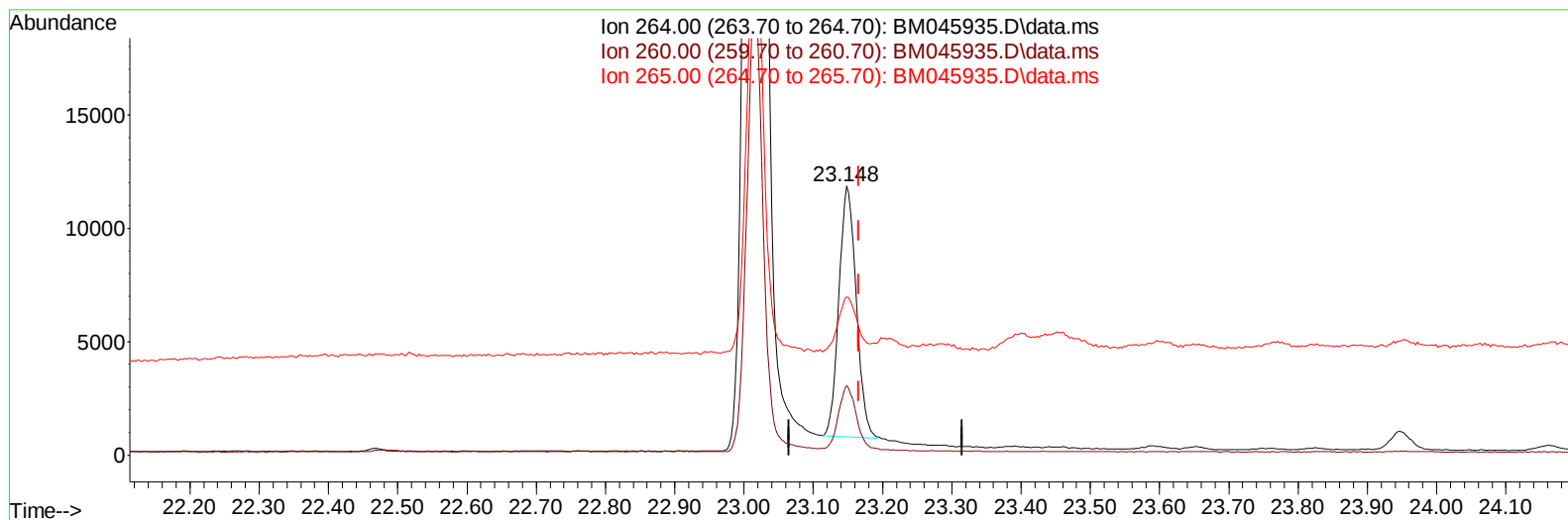
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Manual IntegrationsAPPROVED

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TIC: BM045935.D\data.ms

(23) Perylene-d12 (I)

23.148min (-0.017) 0.40 ng/ul m

response 19105

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 25.70  | 25.81  |
| 265.00 | 76.60  | 58.75# |
| 0.00   | 0.00   | 0.00   |

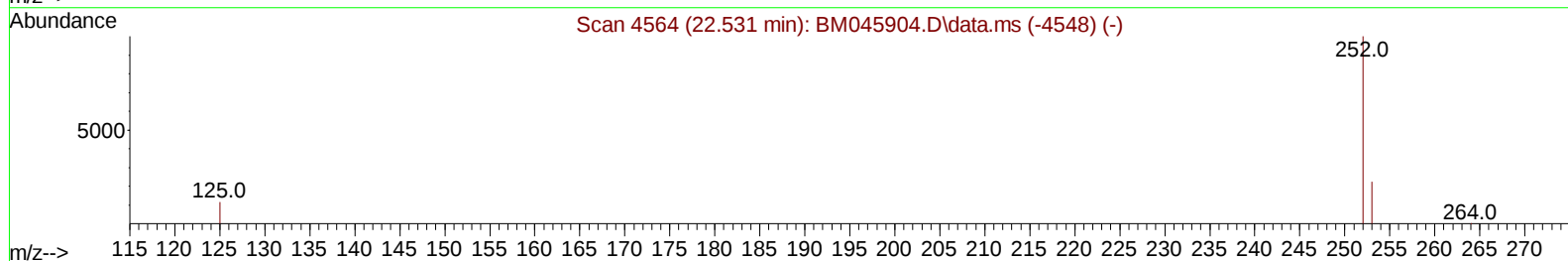
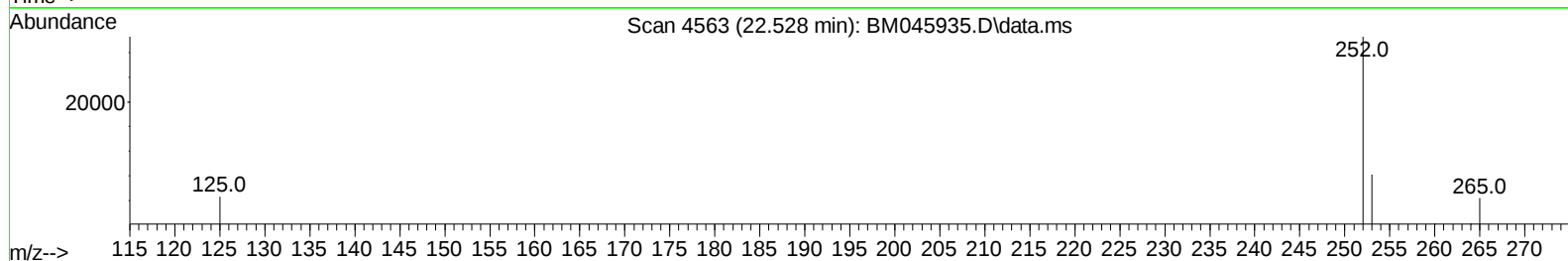
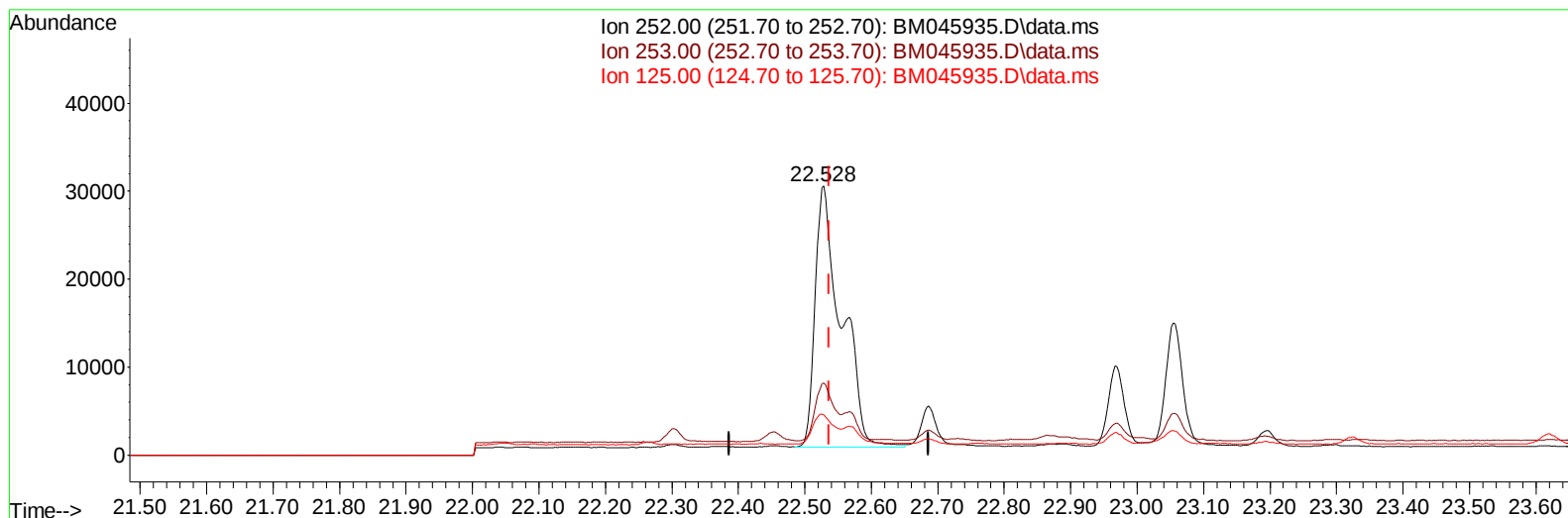
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM060724\  
Data File : BM045935.D  
Acq On : 09 Jun 2024 03:10  
Operator : MA/JU  
Sample : P2640-13DL 5X  
Misc :  
ALS Vial : 64 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4C33DL

Manual IntegrationsAPPROVED

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TIC: BM045935.D\data.ms

(24) Benzo(b)fluoranthene

22.528min (-0.009) 1.27 ng/u1

response 80787

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 31.80  | 26.86  |
| 125.00 | 17.90  | 15.03  |
| 0.00   | 0.00   | 0.00   |

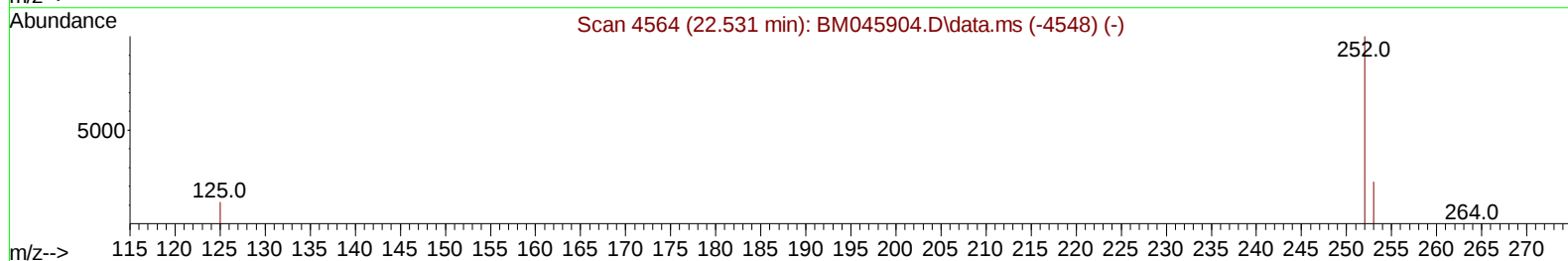
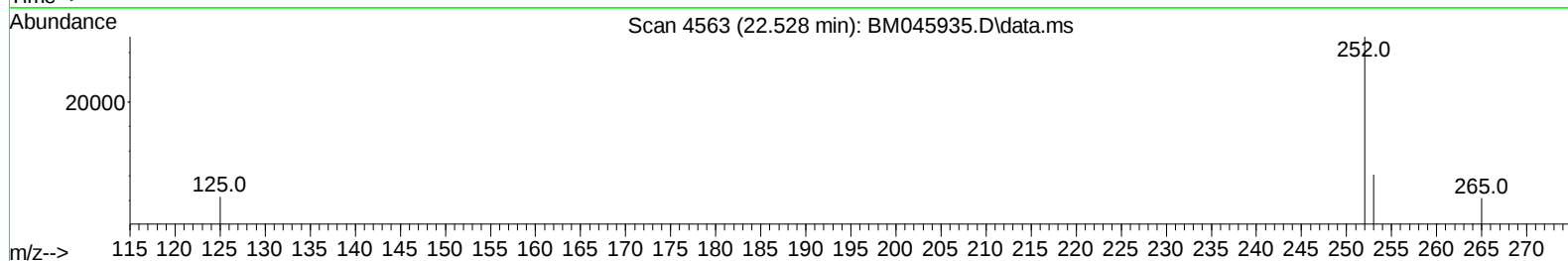
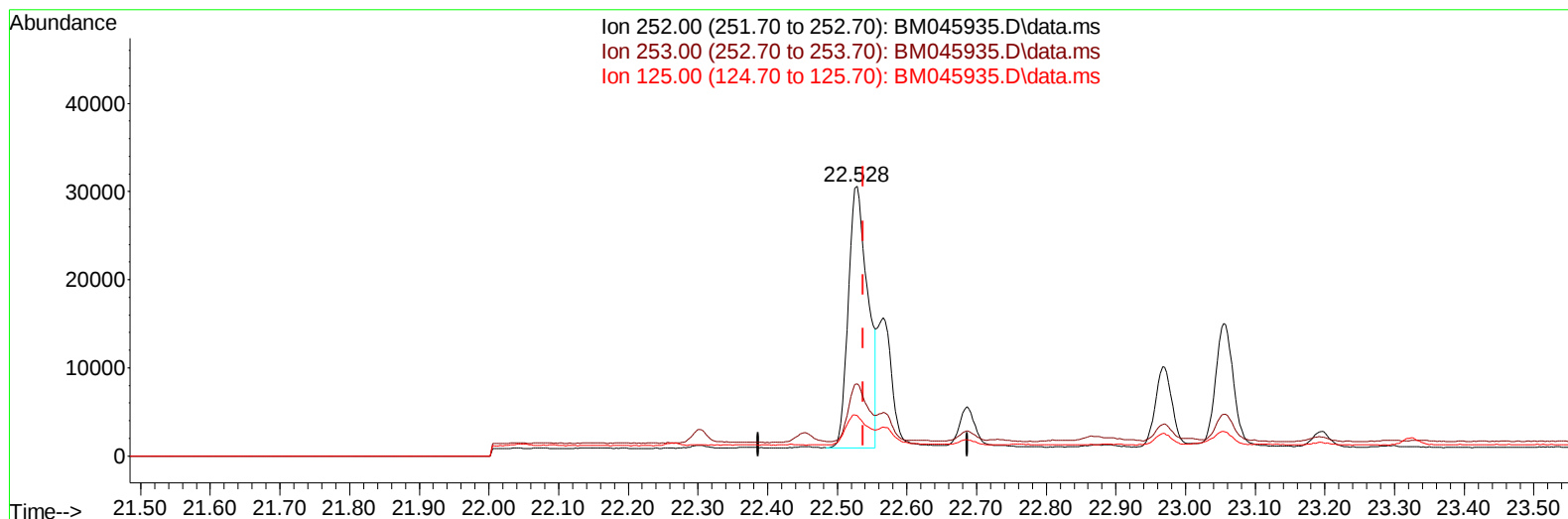
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM060724\  
Data File : BM045935.D  
Acq On : 09 Jun 2024 03:10  
Operator : MA/JU  
Sample : P2640-13DL 5X  
Misc :  
ALS Vial : 64 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4C33DL

Manual IntegrationsAPPROVED

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TIC: BM045935.D\data.ms

(24) Benzo(b)fluoranthene

22.528min (-0.009) 0.92 ng/u1 m

response 58431

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 31.80  | 26.86  |
| 125.00 | 17.90  | 15.03  |
| 0.00   | 0.00   | 0.00   |

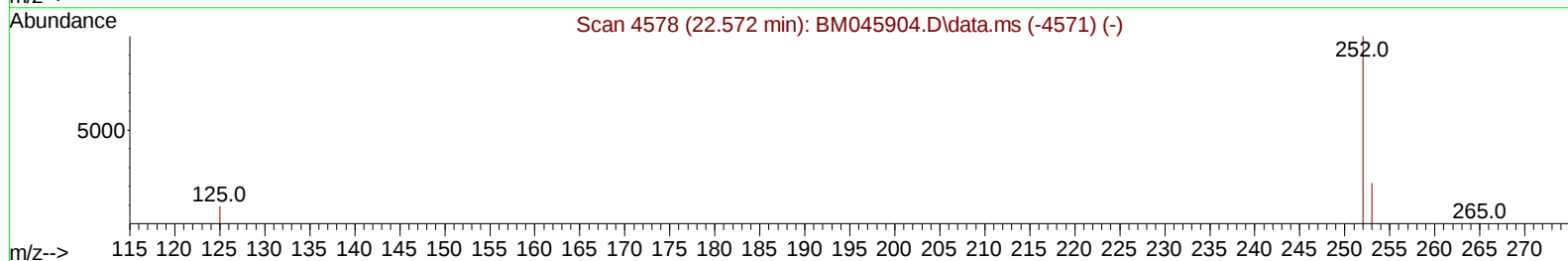
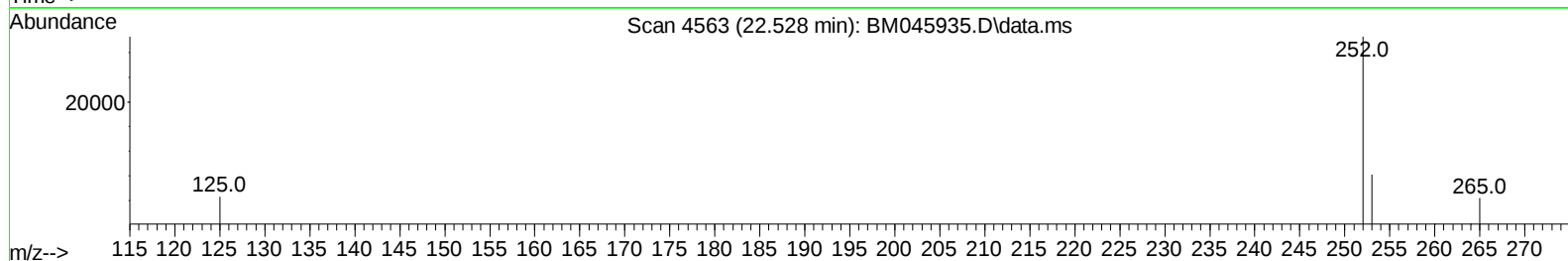
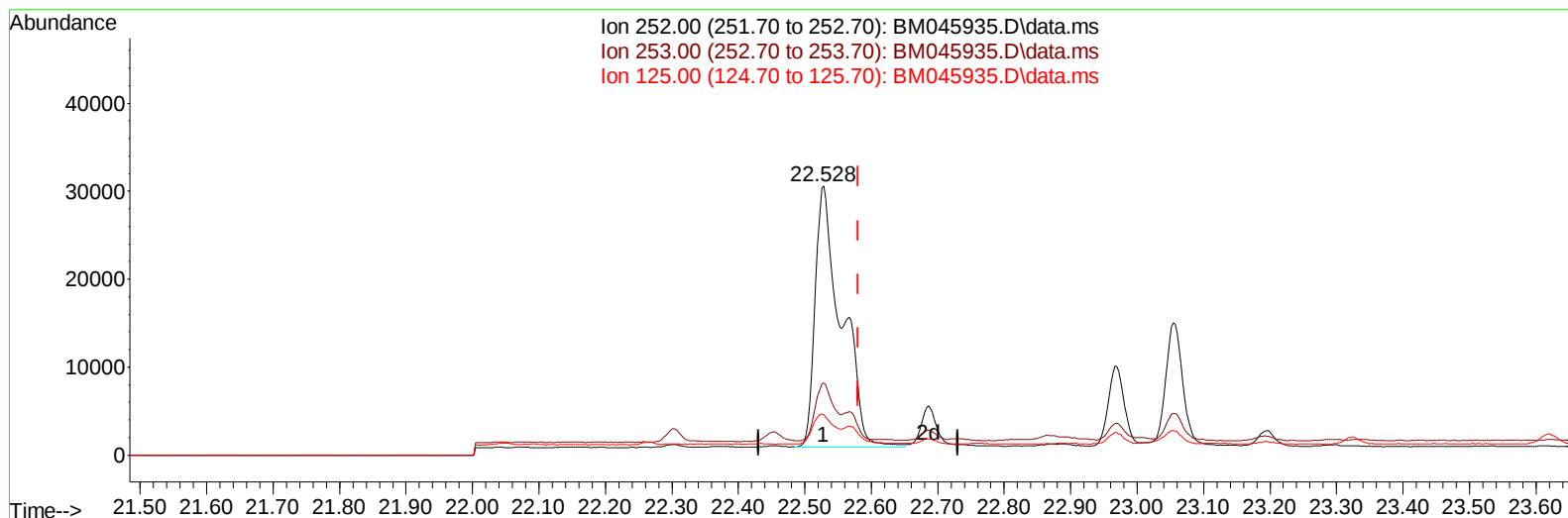
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM060724\  
Data File : BM045935.D  
Acq On : 09 Jun 2024 03:10  
Operator : MA/JU  
Sample : P2640-13DL 5X  
Misc :  
ALS Vial : 64 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4C33DL

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:31:36 2024  
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TIC: BM045935.D\data.ms

(25) Benzo(k)fluoranthene

22.528min (-0.053) 1.16 ng/u1

response 80787

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 31.30  | 26.86  |
| 125.00 | 17.70  | 15.03  |
| 0.00   | 0.00   | 0.00   |

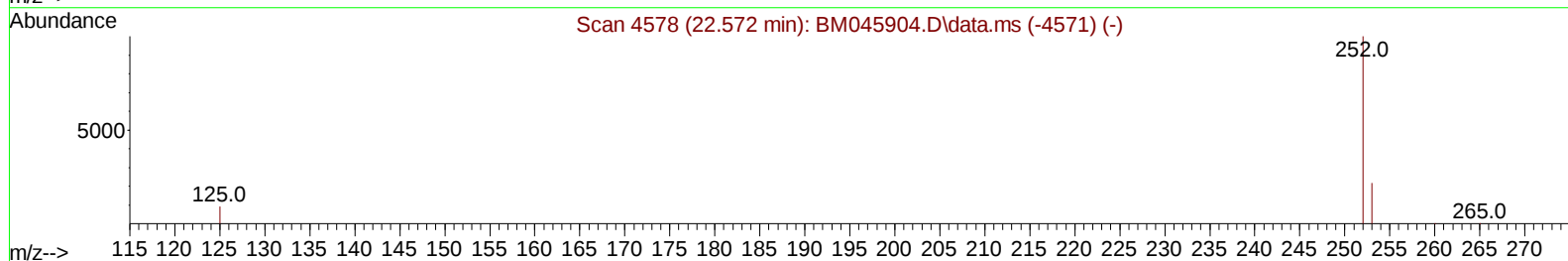
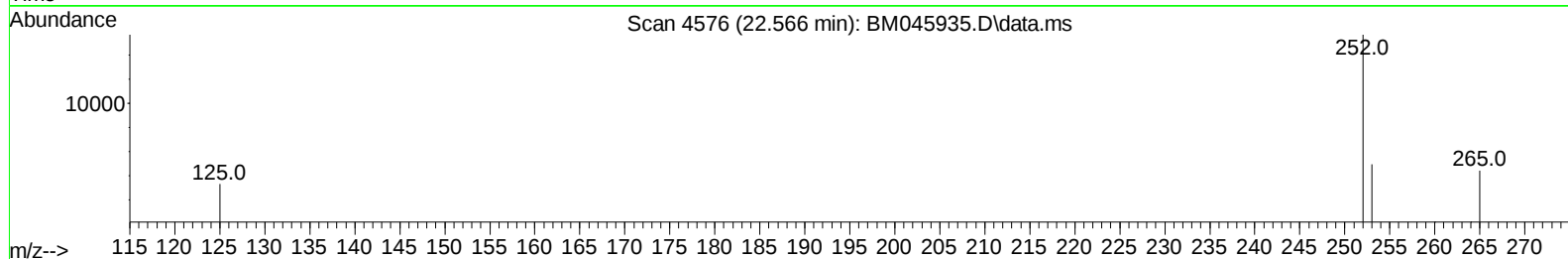
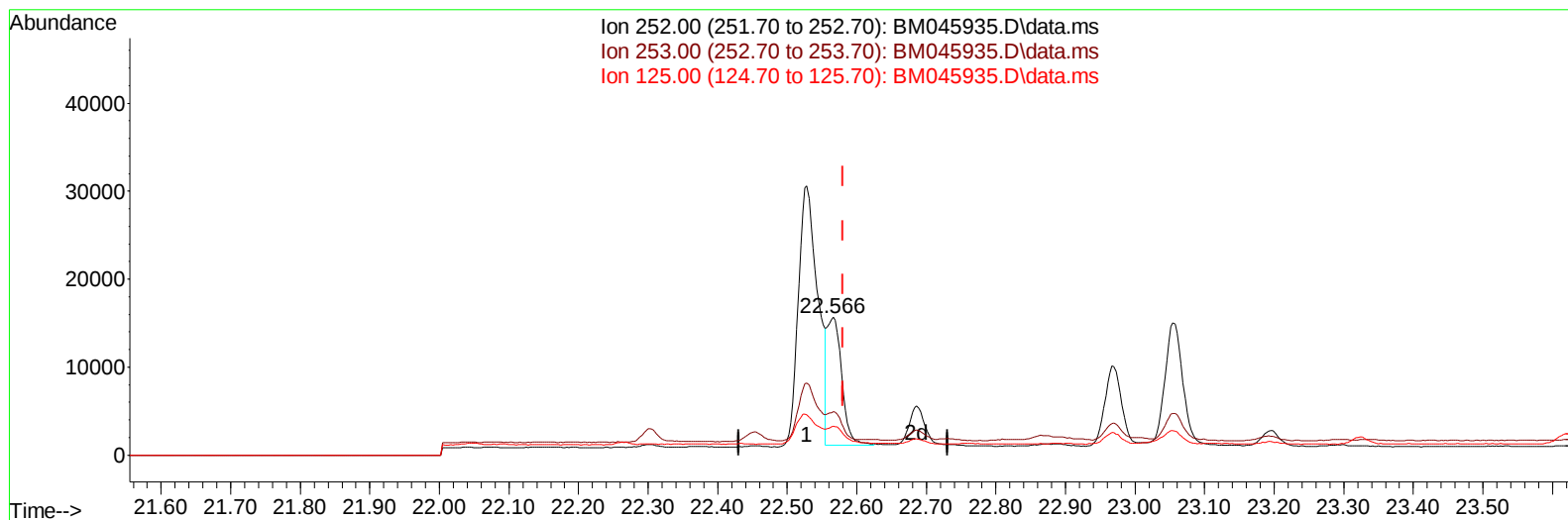
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Operator : MA/JU  
Sample : P2640-13DL 5X  
Misc :  
ALS Vial : 64 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4C33DL

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/10/2024  
Supervised By :mohammad ahmed 06/13/2024

Quant Time: Jun 10 01:31:36 2024  
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QLast Update : Fri Jun 07 22:59:16 2024  
Response via : Initial Calibration



TIC: BM045935.D\data.ms

## (25) Benzo(k)fluoranthene

22.566min (-0.015) 0.30 ng/u1 m

response 21082

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 31.30  | 31.45  |
| 125.00 | 17.70  | 20.97  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM060724\  
 Data File : BM045935.D  
 Acq On : 09 Jun 2024 03:10  
 Operator : MA/JU  
 Sample : P2640-13DL 5X  
 Misc :  
 ALS Vial : 64 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4C33DL

## Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 06/13/2024

Quant Time: Jun 10 01:31:36 2024  
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 QLast Update : Fri Jun 07 22:59:16 2024  
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| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.464  | 152  | 5862     | 0.400 | ng/ul  | -0.02    |
| 4) Naphthalene-d8           | 10.242 | 136  | 18537    | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.112 | 164  | 10198    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.853 | 188  | 20676    | 0.400 | ng/ul  | -0.01    |
| 17) Chrysene-d12            | 21.044 | 240  | 17375    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.148 | 264  | 19105m   | 0.400 | ng/ul  | -0.02    |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.063  | 96   | 4963     | 0.743 | ng/ul  | -0.02    |
| 6) 2-Methylnaphthalene-d10  | 11.854 | 152  | 1103     | 0.041 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.885 | 212  | 2386     | 0.046 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.292 | 128  | 1274     | 0.026 | ng/ul# | 80       |
| 10) Acenaphthylene          | 13.830 | 152  | 2970     | 0.064 | ng/ul# | 94       |
| 11) Acenaphthene            | 14.172 | 153  | 1488     | 0.044 | ng/ul  | 96       |
| 12) Fluorene                | 15.162 | 166  | 1636     | 0.043 | ng/ul# | 94       |
| 15) Phenanthrene            | 16.891 | 178  | 36352    | 0.626 | ng/ul  | 100      |
| 16) Anthracene              | 16.984 | 178  | 7339     | 0.148 | ng/ul# | 95       |
| 19) Fluoranthene            | 18.913 | 202  | 84323    | 1.217 | ng/ul  | 98       |
| 20) Pyrene                  | 19.275 | 202  | 66229    | 0.916 | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 21.026 | 228  | 34829    | 0.546 | ng/ul  | 96       |
| 22) Chrysene                | 21.079 | 228  | 43048    | 0.620 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.528 | 252  | 58431m   | 0.922 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.566 | 252  | 21082m   | 0.303 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.055 | 252  | 25518    | 0.405 | ng/ul  | 93       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.212 | 276  | 24197    | 0.297 | ng/ul# | 95       |
| 28) Dibenzo(a,h)anthracene  | 25.212 | 278  | 6808     | 0.105 | ng/ul# | 77       |
| 29) Benzo(g,h,i)perylene    | 25.843 | 276  | 4258     | 0.061 | ng/ul# | 74       |
| -----                       |        |      |          |       |        |          |

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

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