

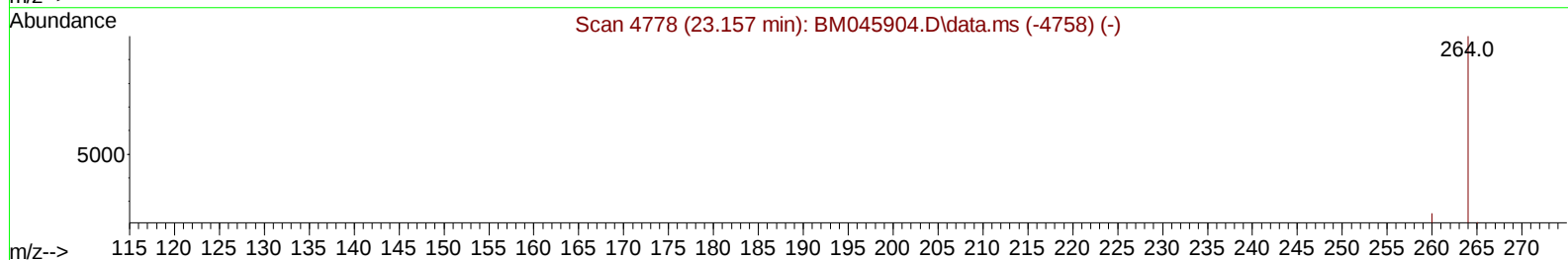
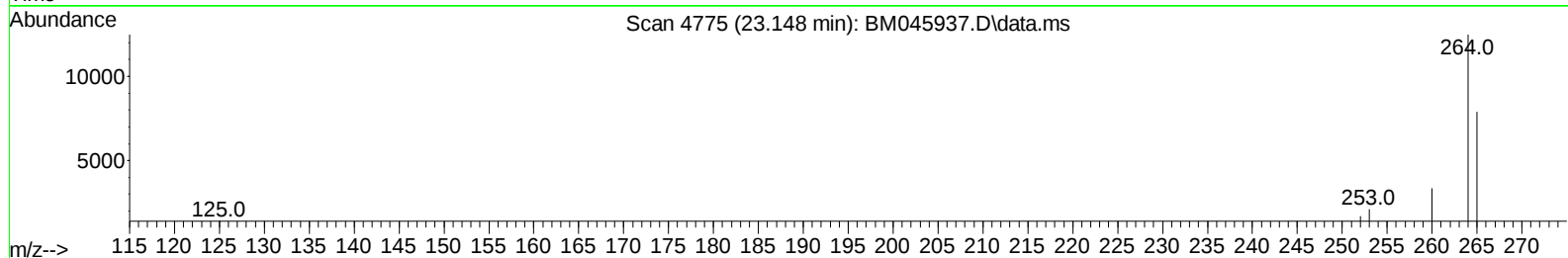
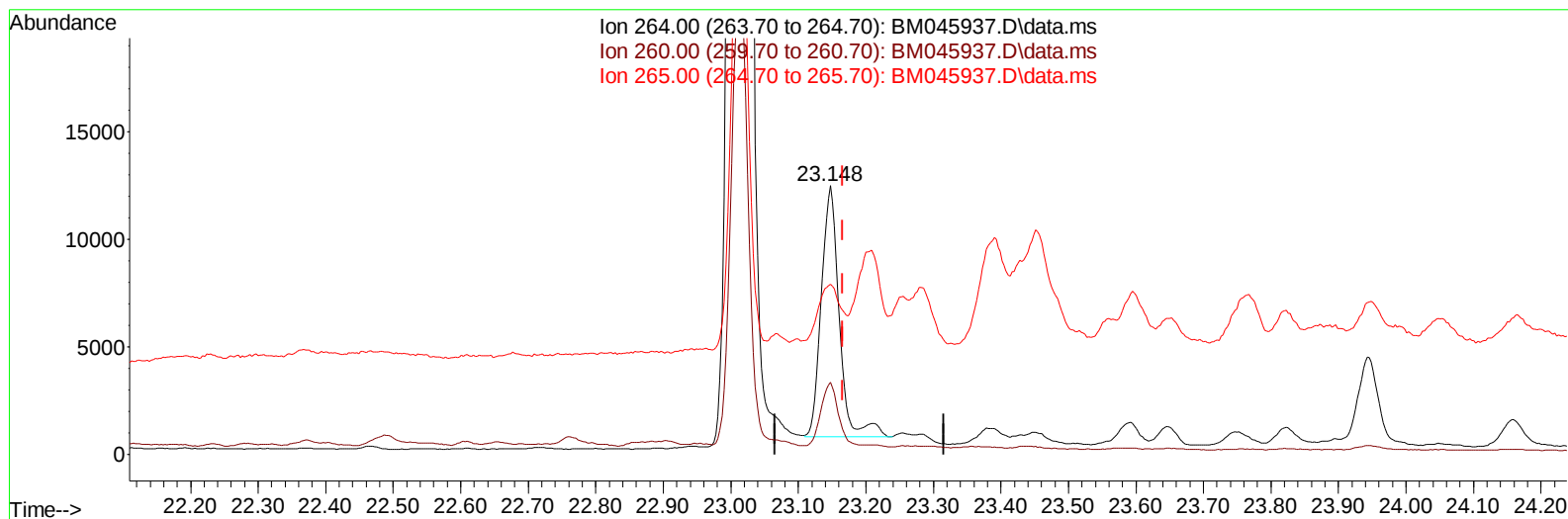
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM060724\  
Data File : BM045937.D  
Acq On : 09 Jun 2024 04:24  
Operator : MA/JU  
Sample : P2640-20DL 5X  
Misc :  
ALS Vial : 66 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4C24DL

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:31:57 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: BM045937.D\data.ms

(23) Perylene-d12 (I)

23.148min (-0.018) 0.40 ng/u1

response 21333

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 25.70  | 26.77  |
| 265.00 | 76.60  | 63.34  |
| 0.00   | 0.00   | 0.00   |

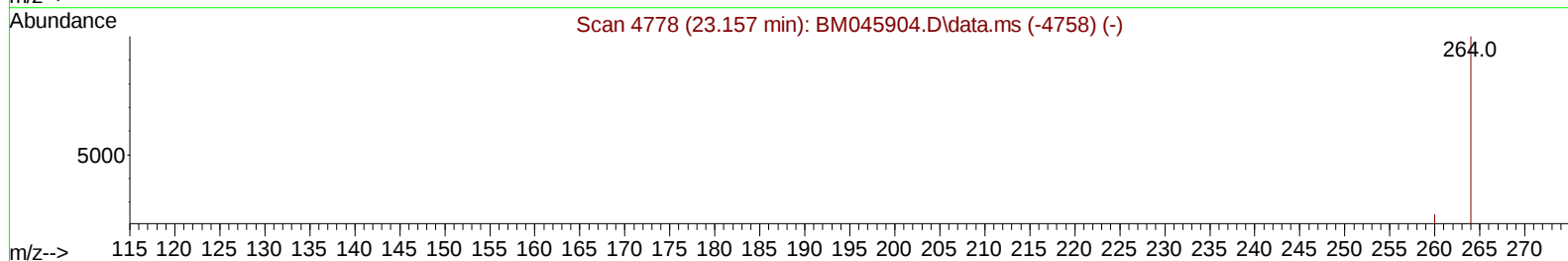
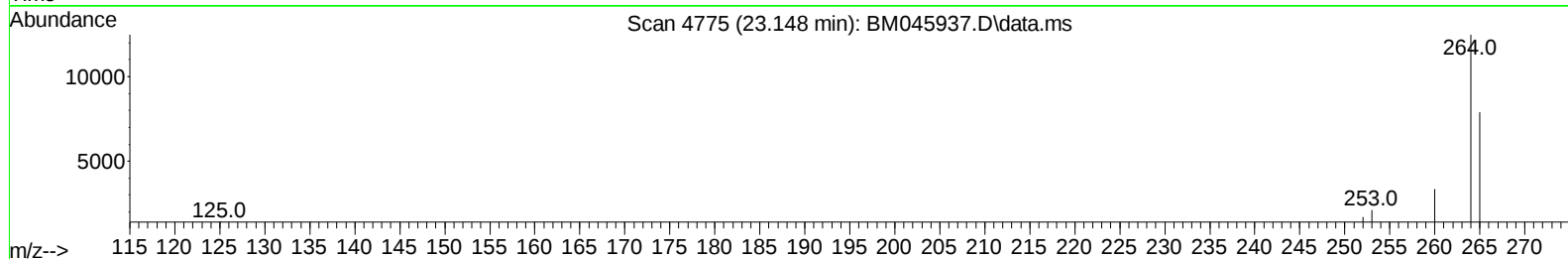
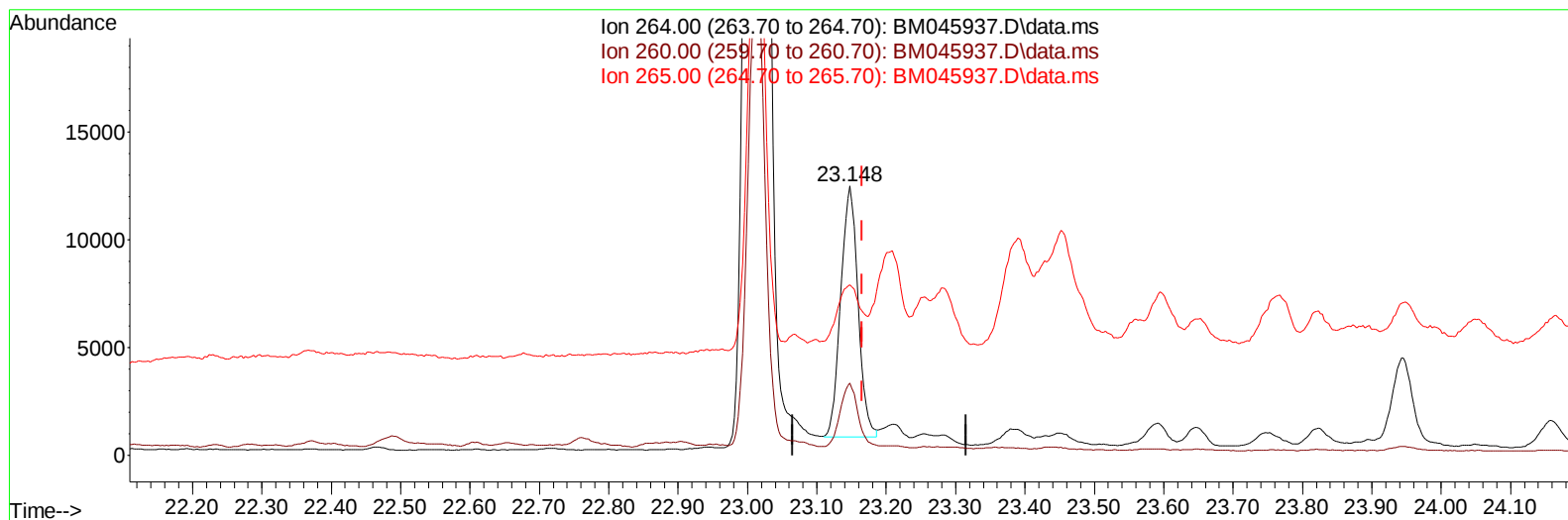
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Operator : MA/JU  
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ALS Vial : 66 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4C24DL

Manual IntegrationsAPPROVED

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(23) Perylene-d12 (I)

23.148min (-0.018) 0.40 ng/ul m

response 20116

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 25.70  | 26.77  |
| 265.00 | 76.60  | 63.34  |
| 0.00   | 0.00   | 0.00   |

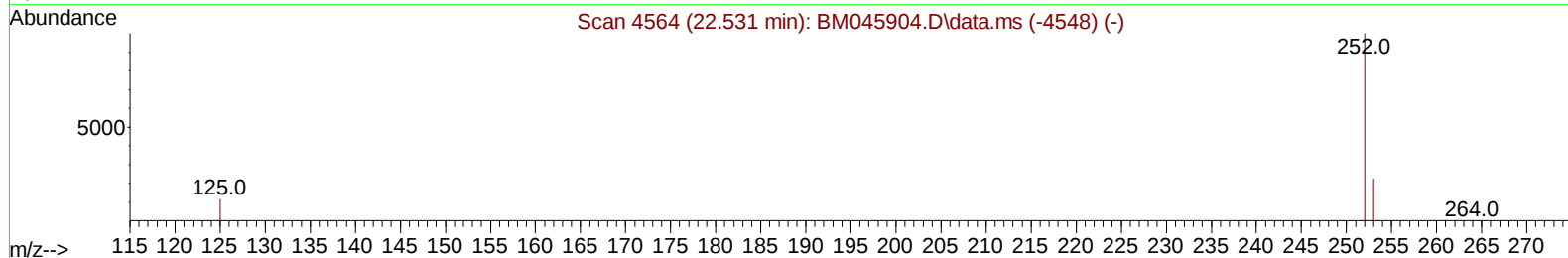
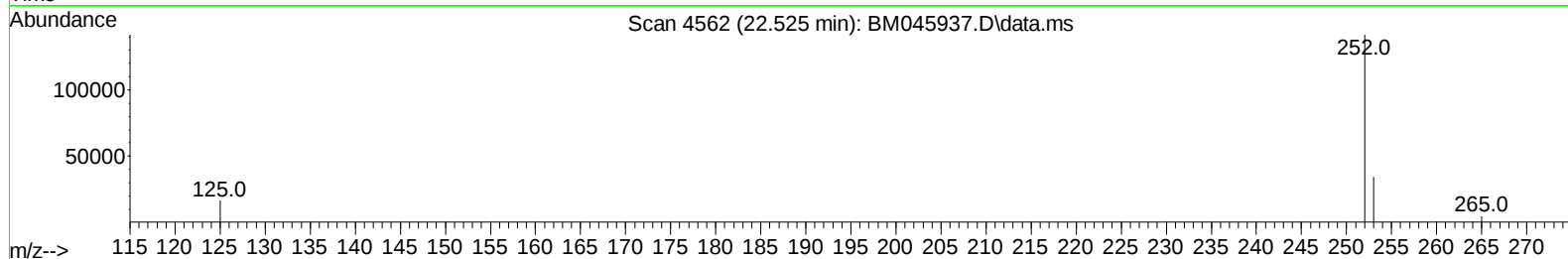
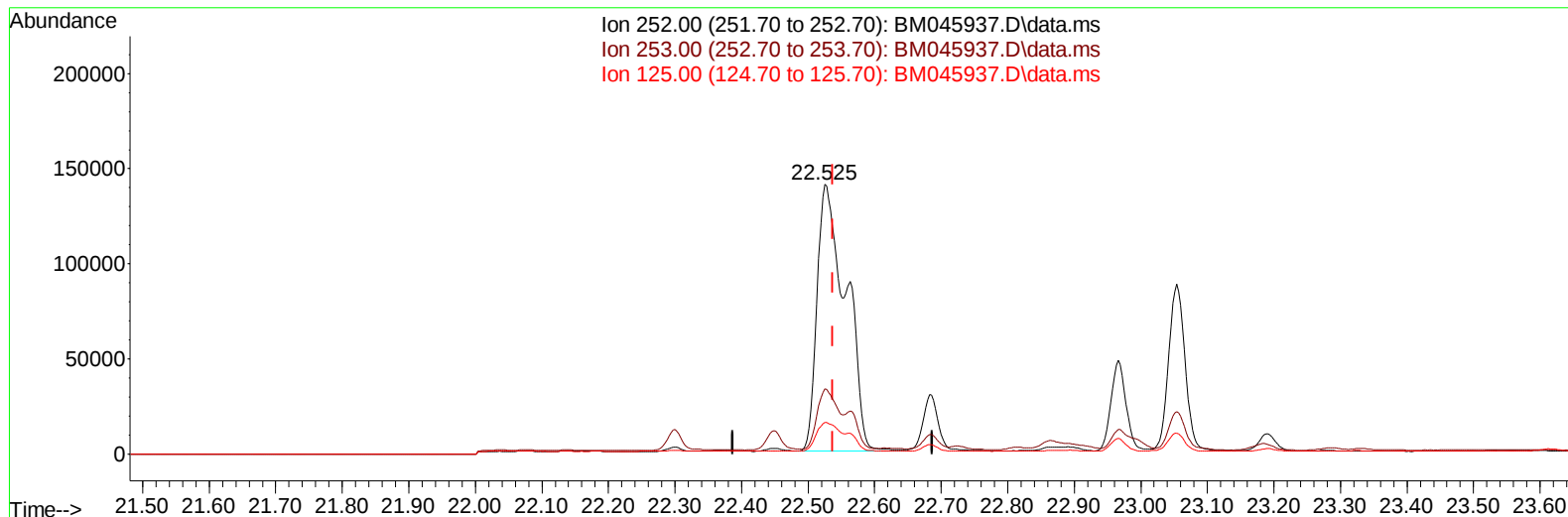
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM060724\  
Data File : BM045937.D  
Acq On : 09 Jun 2024 04:24  
Operator : MA/JU  
Sample : P2640-20DL 5X  
Misc :  
ALS Vial : 66 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4C24DL

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:31:57 2024  
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TIC: BM045937.D\data.ms

(24) Benzo(b)fluoranthene

22.525min (-0.012) 6.30 ng/u1

response 420097

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 31.80  | 24.08  |
| 125.00 | 17.90  | 11.65  |
| 0.00   | 0.00   | 0.00   |

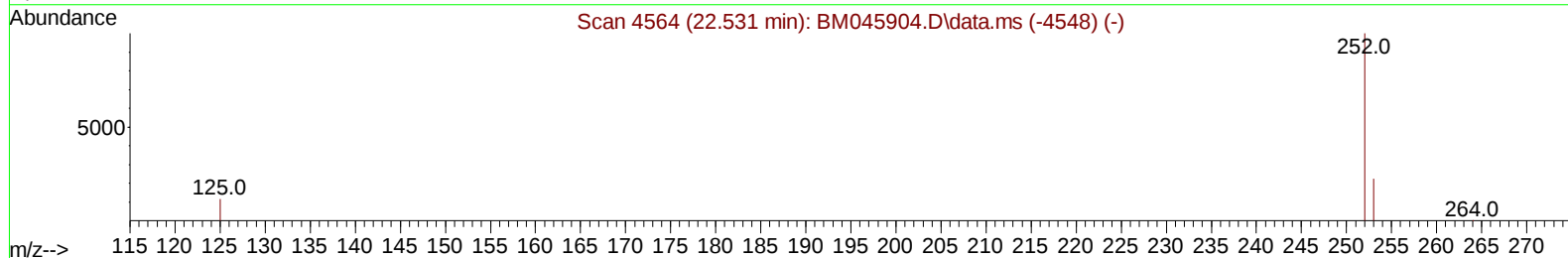
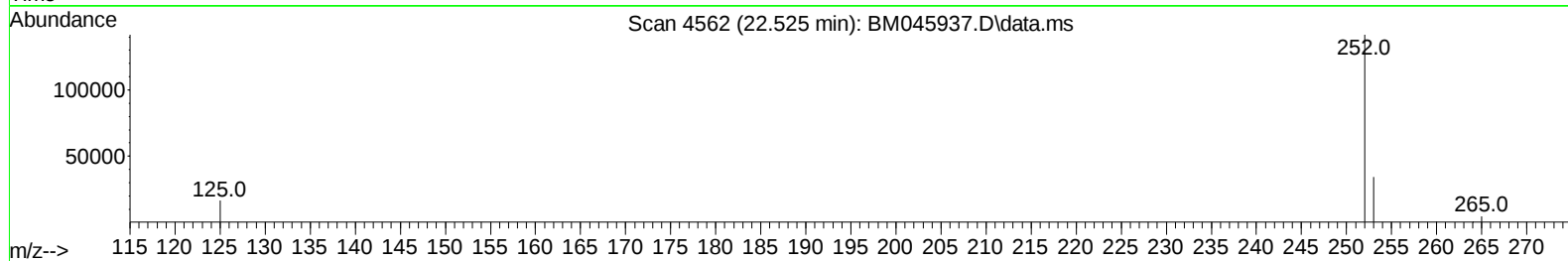
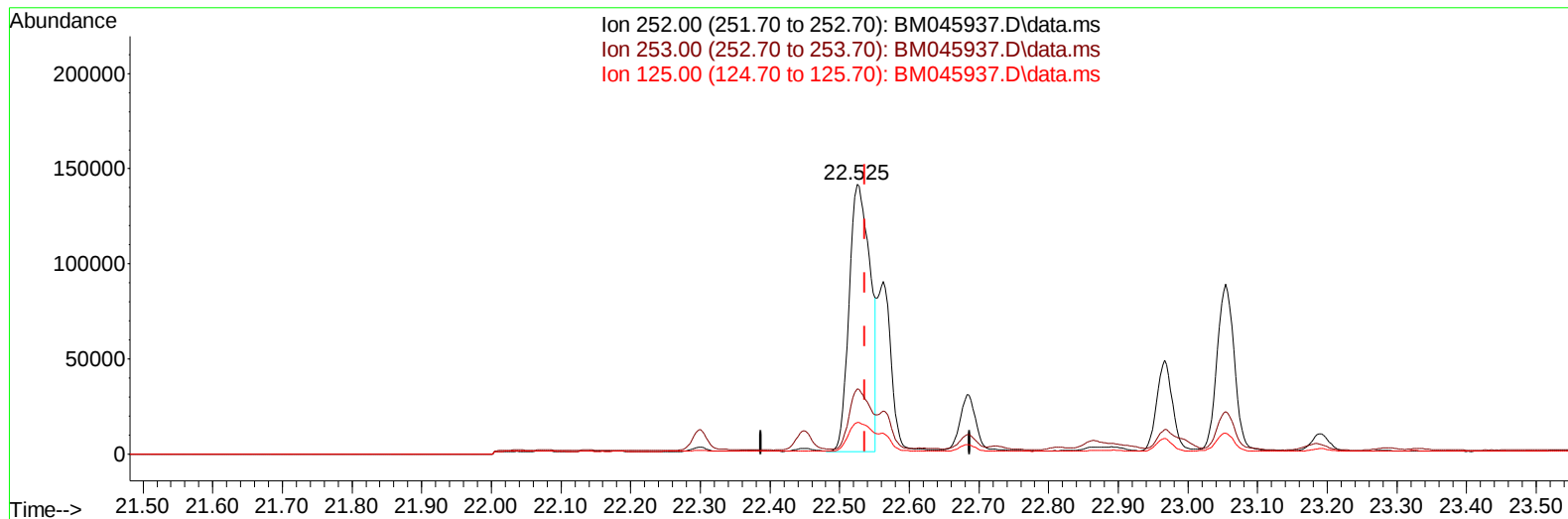
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM060724\  
 Data File : BM045937.D  
 Acq On : 09 Jun 2024 04:24  
 Operator : MA/JU  
 Sample : P2640-20DL 5X  
 Misc :  
 ALS Vial : 66 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4C24DL

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:31:57 2024  
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TIC: BM045937.D\data.ms

**(24) Benzo(b)fluoranthene**

22.525min (-0.012) 4.46 ng/u1 m

response 297459

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 31.80  | 24.08  |
| 125.00 | 17.90  | 11.65  |
| 0.00   | 0.00   | 0.00   |

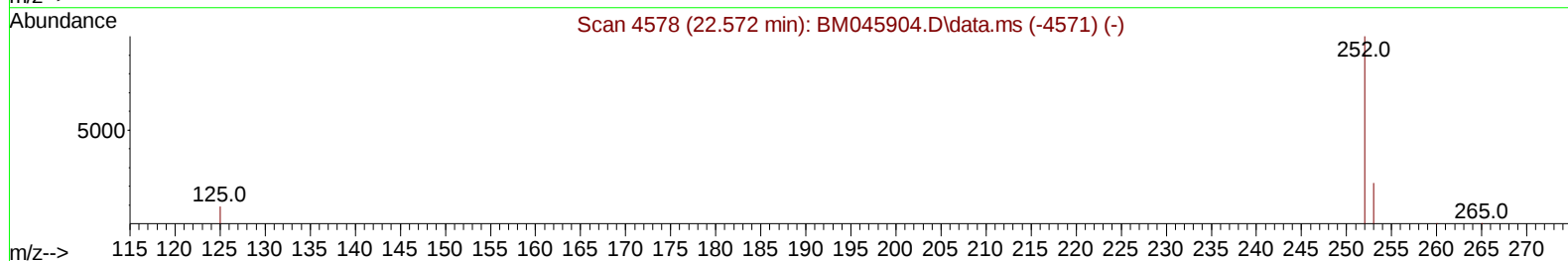
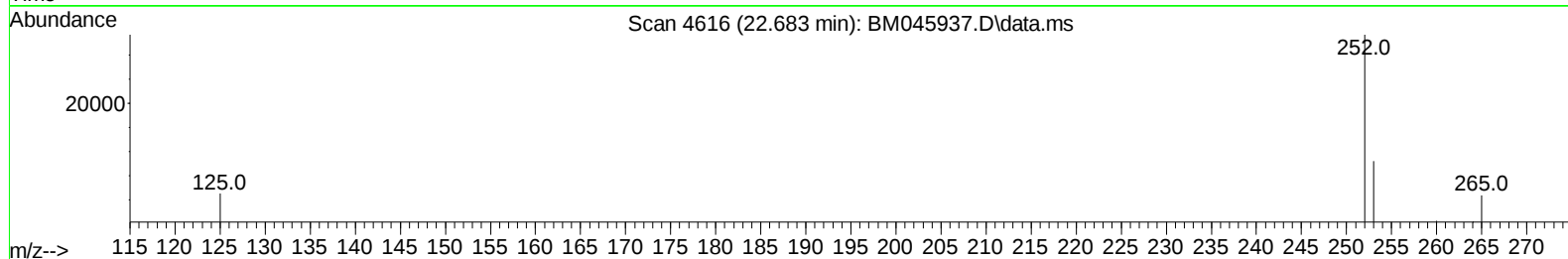
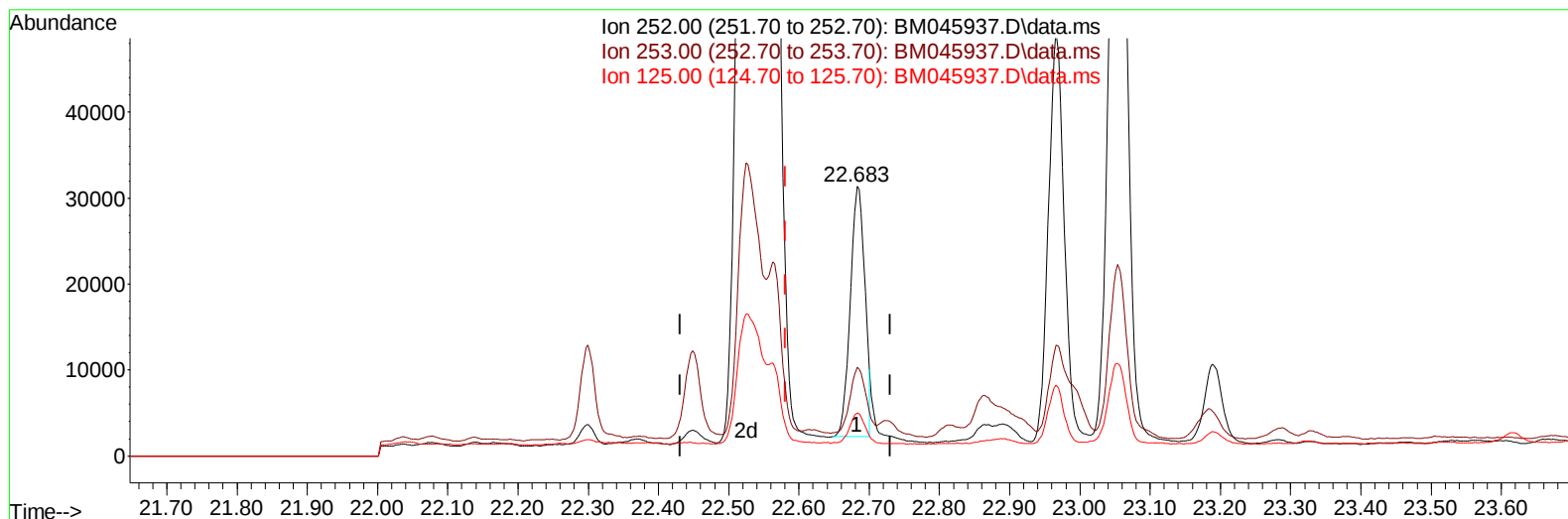
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM060724\  
Data File : BM045937.D  
Acq On : 09 Jun 2024 04:24  
Operator : MA/JU  
Sample : P2640-20DL 5X  
Misc :  
ALS Vial : 66 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4C24DL

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:31:57 2024  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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TIC: BM045937.D\data.ms

(25) Benzo(k)fluoranthene

22.683min (+ 0.102) 0.57 ng/u1

response 42006

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 31.30  | 32.96  |
| 125.00 | 17.70  | 15.84  |
| 0.00   | 0.00   | 0.00   |

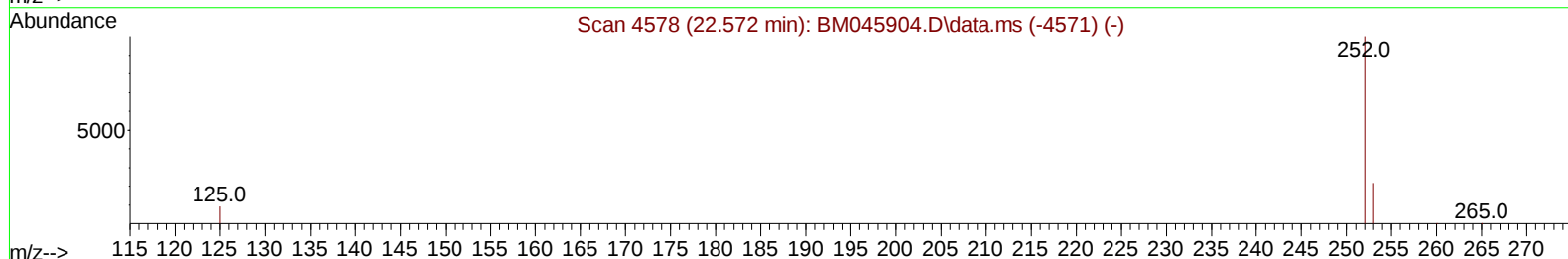
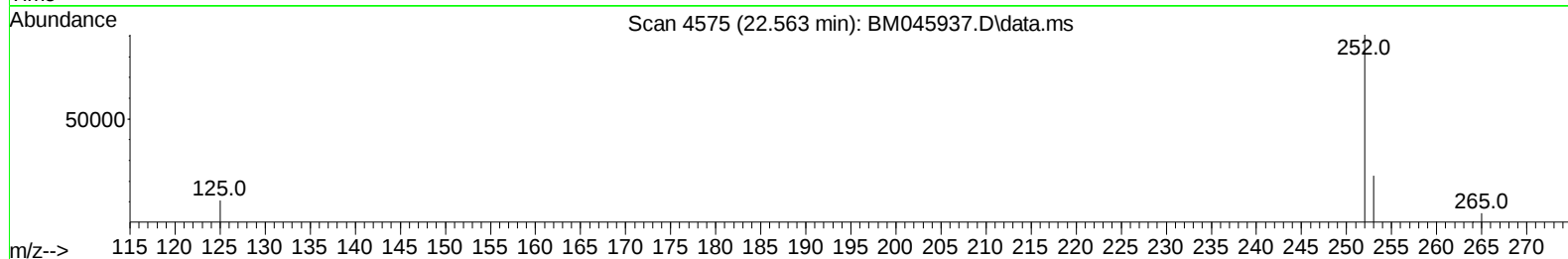
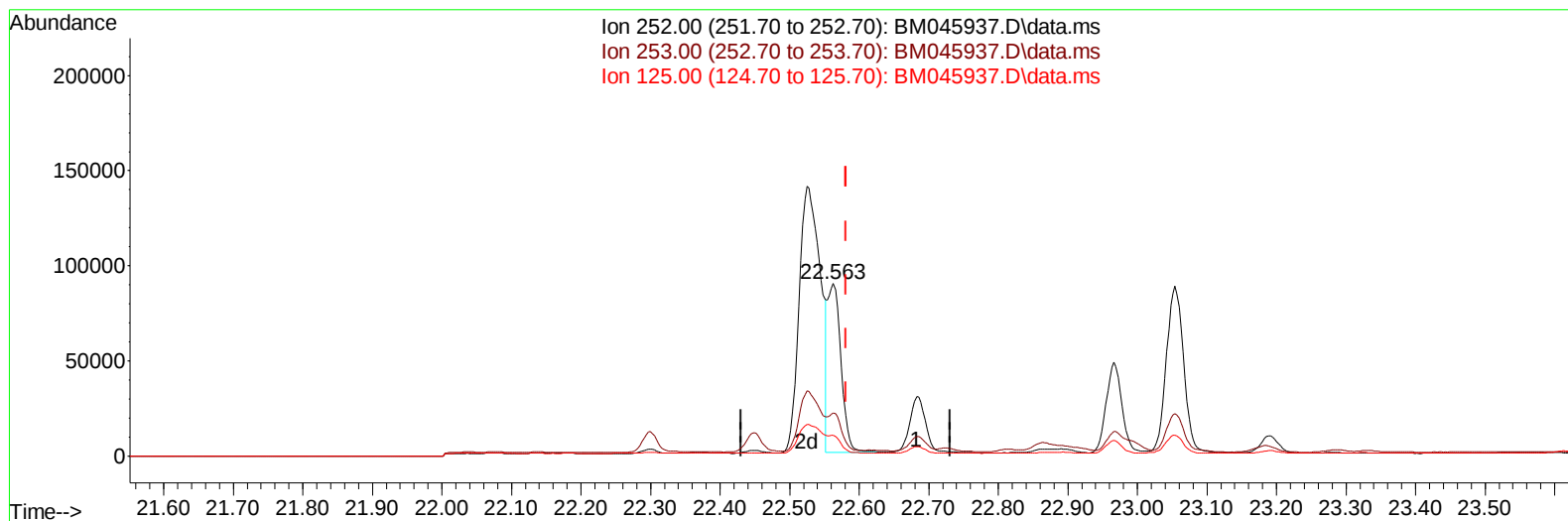
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Operator : MA/JU  
Sample : P2640-20DL 5X  
Misc :  
ALS Vial : 66 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4C24DL

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:31:57 2024  
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TIC: BM045937.D\data.ms

(25) Benzo(k)fluoranthene

22.563min (-0.018) 1.66 ng/u1 m

response 121645

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 31.30  | 24.92# |
| 125.00 | 17.70  | 11.92# |
| 0.00   | 0.00   | 0.00   |

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 Sample : P2640-20DL 5X  
 Misc :  
 ALS Vial : 66 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4C24DL

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/10/2024  
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Quant Time: Jun 10 01:31:57 2024  
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| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.463  | 152  | 5656     | 0.400  | ng/ul  | -0.02    |
| 4) Naphthalene-d8           | 10.238 | 136  | 18234    | 0.400  | ng/ul  | -0.02    |
| 9) Acenaphthene-d10         | 14.104 | 164  | 10101    | 0.400  | ng/ul  | -0.02    |
| 13) Phenanthrene-d10        | 16.850 | 188  | 21315    | 0.400  | ng/ul  | -0.02    |
| 17) Chrysene-d12            | 21.041 | 240  | 16656    | 0.400  | ng/ul  | -0.01    |
| 23) Perylene-d12            | 23.148 | 264  | 20116m   | 0.400  | ng/ul  | -0.02    |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.063  | 96   | 4933     | 0.766  | ng/ul  | -0.02    |
| 6) 2-Methylnaphthalene-d10  | 11.844 | 152  | 1242     | 0.047  | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.877 | 212  | 3329     | 0.067  | ng/ul  | -0.02    |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        |        | Qvalue   |
| 5) Naphthalene              | 10.288 | 128  | 12556    | 0.263  | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 11.915 | 142  | 11365    | 0.374  | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.135 | 142  | 10944    | 0.331  | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.827 | 152  | 4436     | 0.097  | ng/ul# | 85       |
| 11) Acenaphthene            | 14.169 | 153  | 59819    | 1.772  | ng/ul  | 98       |
| 12) Fluorene                | 15.159 | 166  | 58656    | 1.554  | ng/ul  | 99       |
| 15) Phenanthrene            | 16.888 | 178  | 692528   | 11.572 | ng/ul  | 99       |
| 16) Anthracene              | 16.981 | 178  | 167986   | 3.291  | ng/ul  | 98       |
| 19) Fluoranthene            | 18.909 | 202  | 690072   | 10.390 | ng/ul  | 98       |
| 20) Pyrene                  | 19.272 | 202  | 524100   | 7.565  | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.023 | 228  | 314318   | 5.141  | ng/ul  | 99       |
| 22) Chrysene                | 21.076 | 228  | 287344   | 4.317  | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 22.525 | 252  | 297459m  | 4.458  | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.563 | 252  | 121645m  | 1.659  | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.054 | 252  | 151882   | 2.289  | ng/ul# | 81       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.205 | 276  | 102042   | 1.189  | ng/ul# | 93       |
| 28) Dibenzo(a,h)anthracene  | 25.212 | 278  | 37149    | 0.542  | ng/ul  | 96       |
| 29) Benzo(g,h,i)perylene    | 25.836 | 276  | 15649    | 0.211  | ng/ul  | 92       |
| -----                       |        |      |          |        |        |          |

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

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