

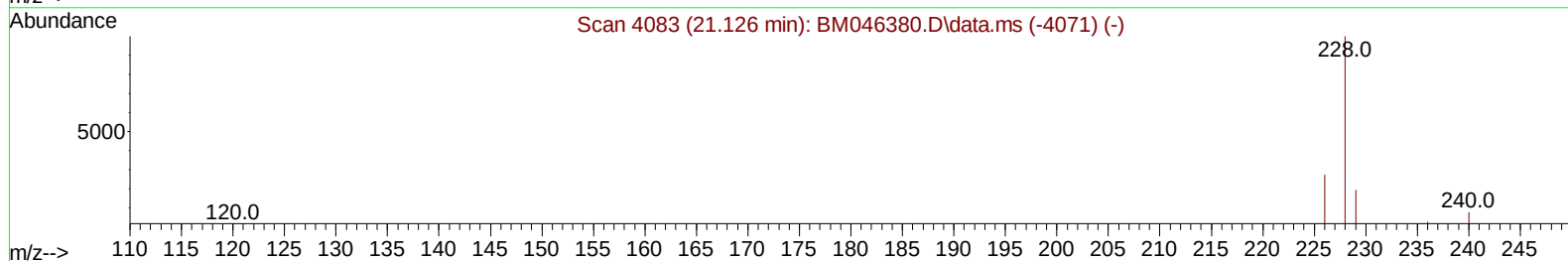
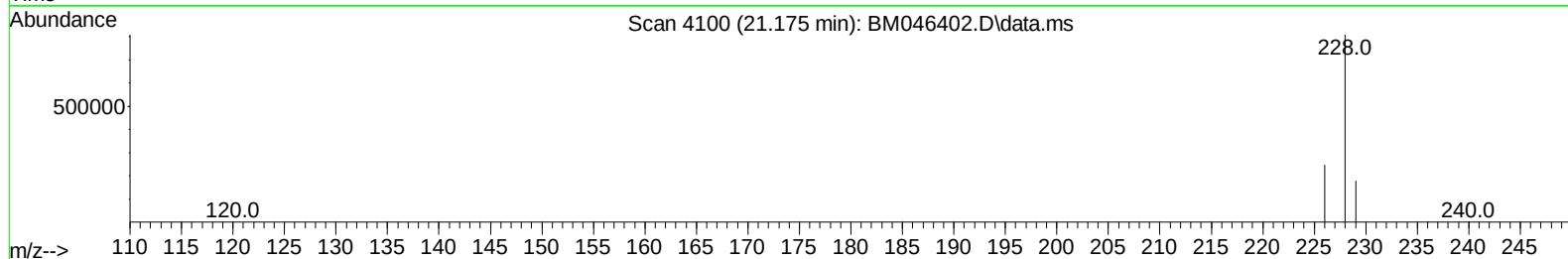
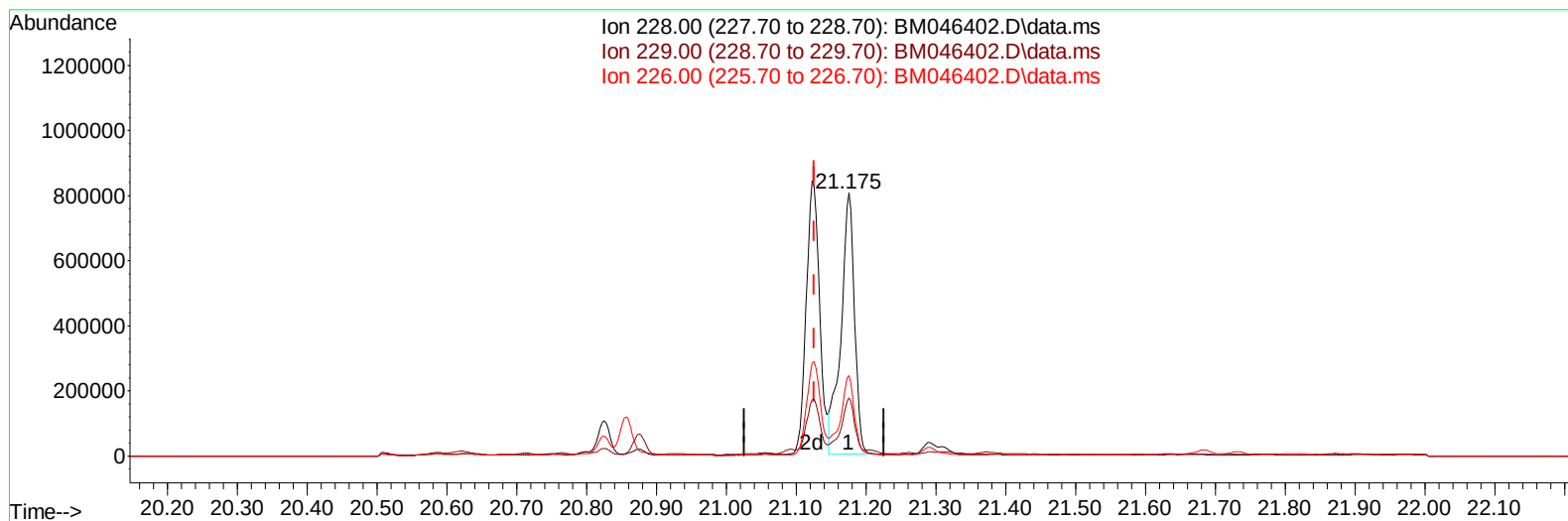
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070524\  
Data File : BM046402.D  
Acq On : 06 Jul 2024 04:13  
Operator : MA/JU  
Sample : P3010-01  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CG2

Manual IntegrationsAPPROVED

Quant Time: Jul 06 04:42:10 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM070524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 05 16:01:25 2024  
Response via : Initial Calibration

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



TIC: BM046402.D\data.ms

(21) Benzo(a)anthracene

21.175min (+ 0.050) 20.40 ng/ul

response 1081694

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.70  | 22.10  |
| 226.00 | 27.50  | 30.53  |
| 0.00   | 0.00   | 0.00   |

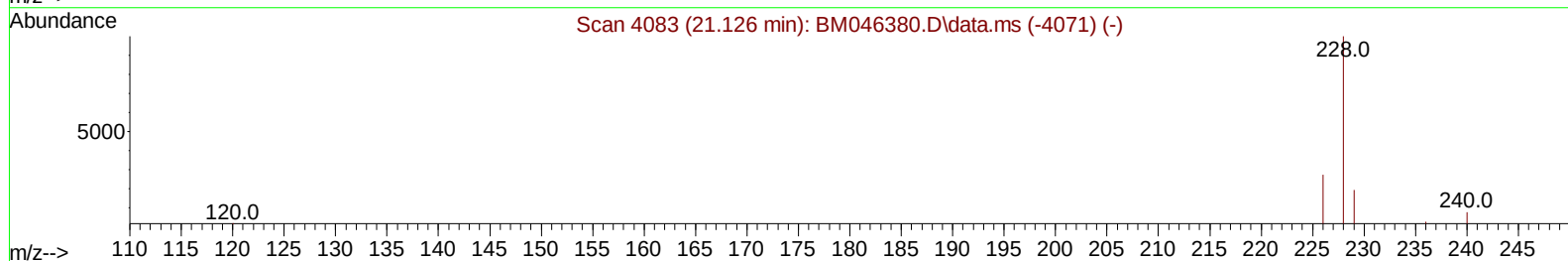
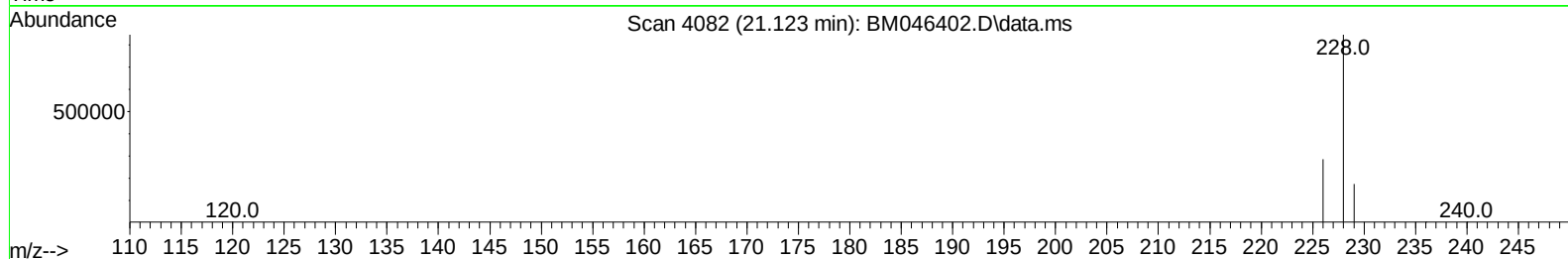
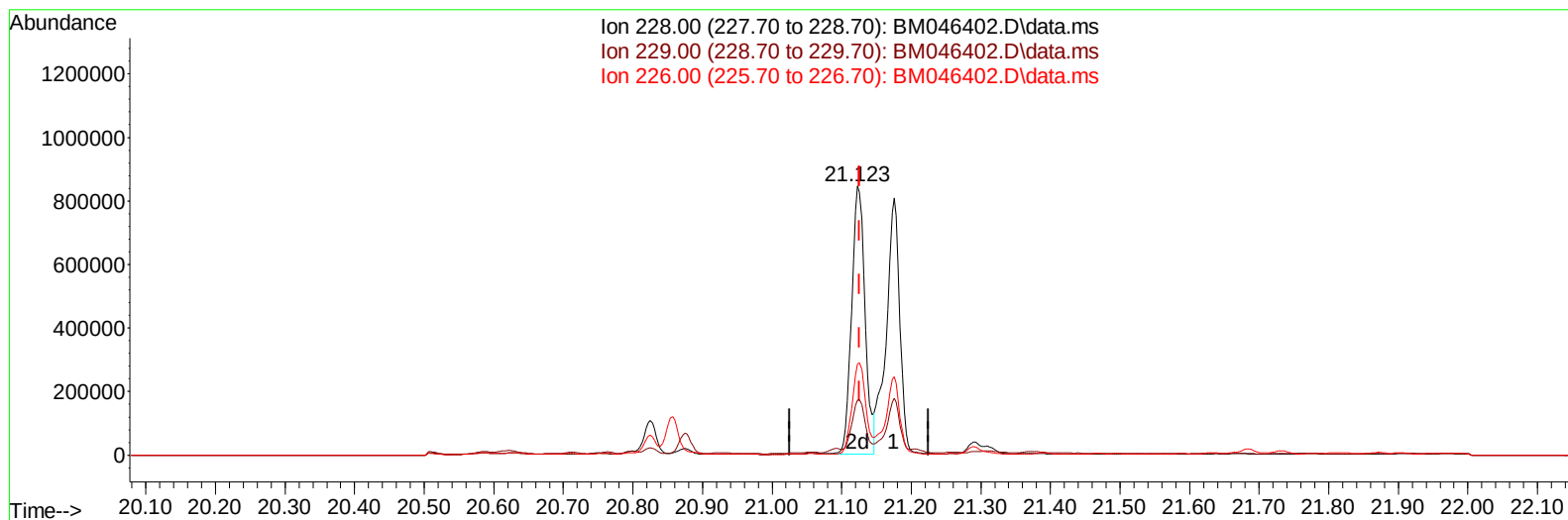
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TIC: BM046402.D\data.ms

(21) Benzo(a)anthracene

21.123min (-0.003) 21.39 ng/ul m

response 1134332

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.70  | 20.51  |
| 226.00 | 27.50  | 33.81# |
| 0.00   | 0.00   | 0.00   |

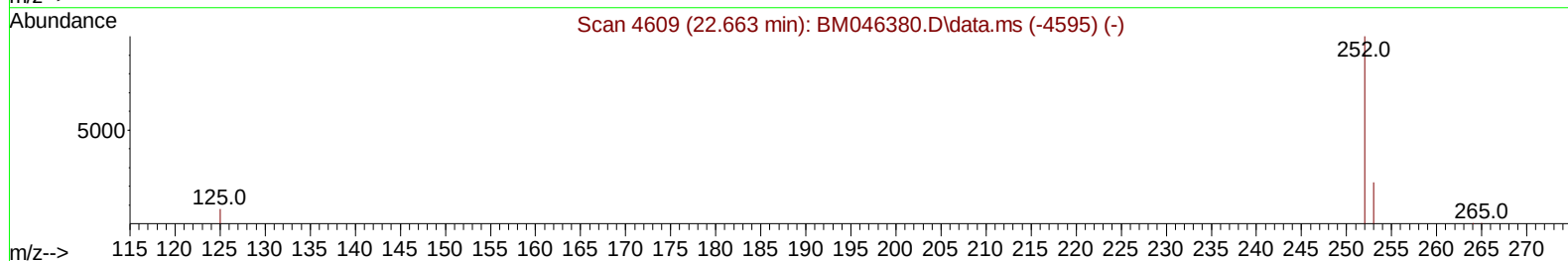
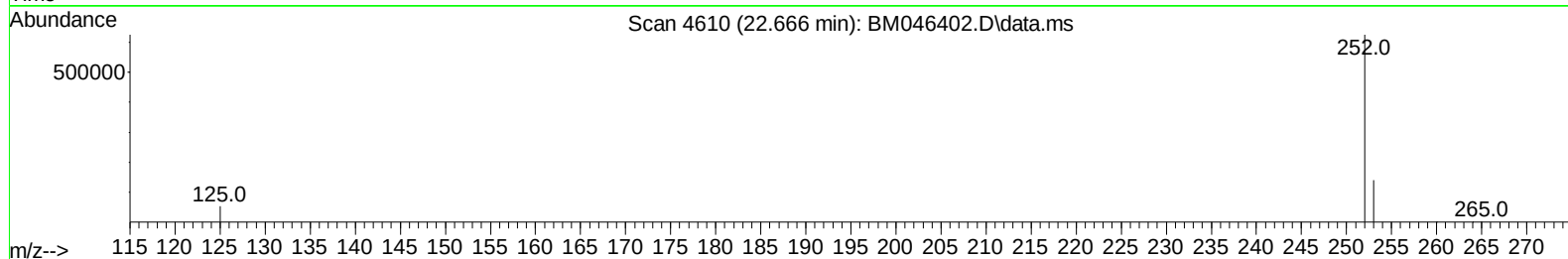
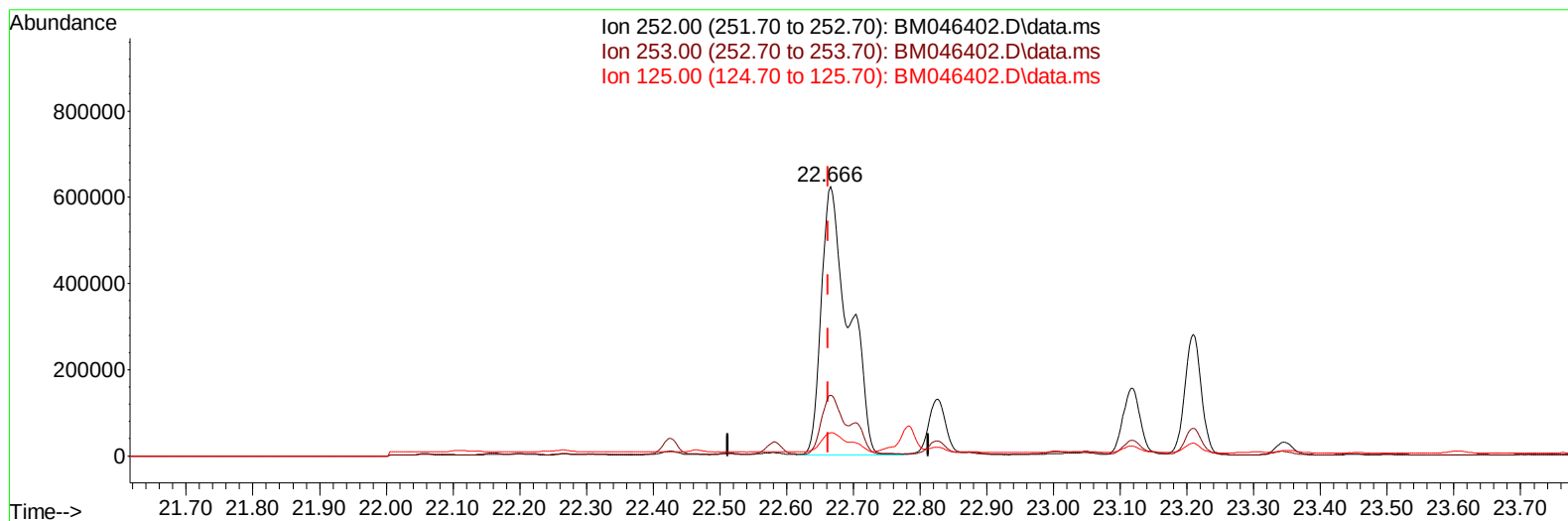
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070524\  
Data File : BM046402.D  
Acq On : 06 Jul 2024 04:13  
Operator : MA/JU  
Sample : P3010-01  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CG2

Manual IntegrationsAPPROVED

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TIC: BM046402.D\data.ms

(24) Benzo(b)fluoranthene

22.666min (+ 0.003) 25.29 ng/u1

response 1773002

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 23.50  | 22.60  |
| 125.00 | 9.20   | 8.63   |
| 0.00   | 0.00   | 0.00   |

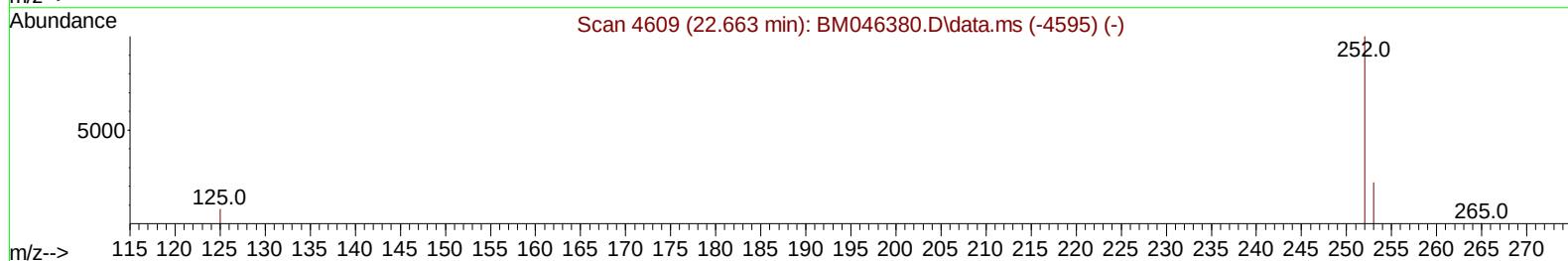
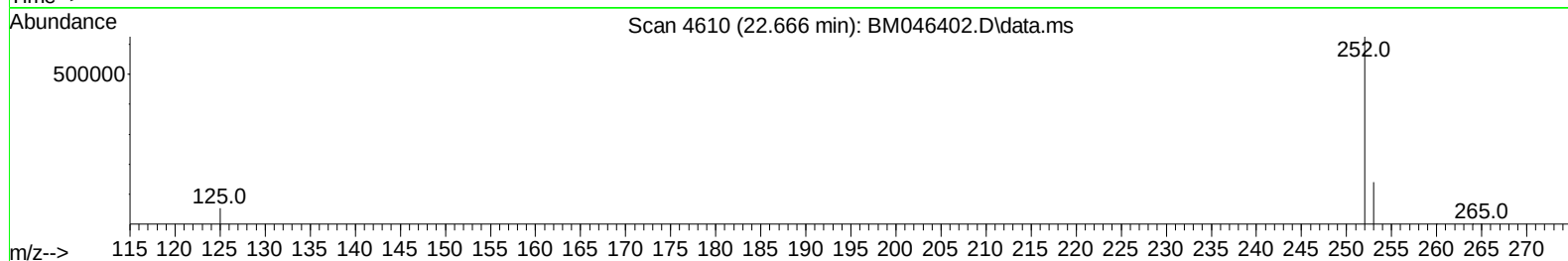
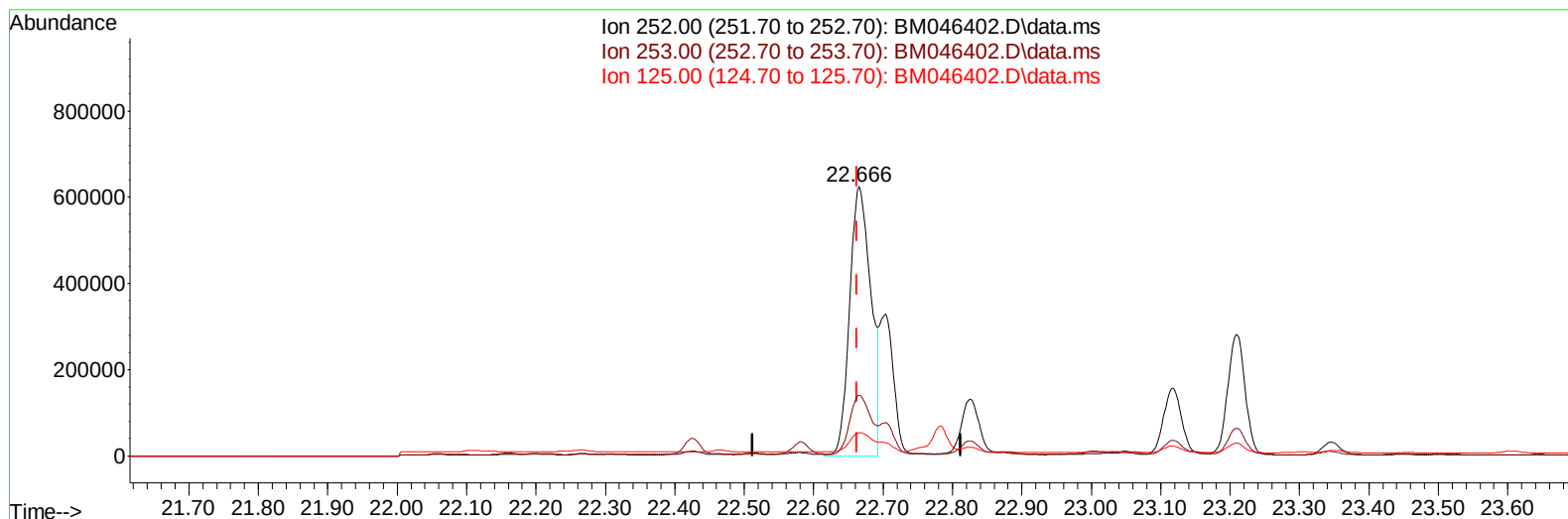
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070524\  
Data File : BM046402.D  
Acq On : 06 Jul 2024 04:13  
Operator : MA/JU  
Sample : P3010-01  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CG2

Manual IntegrationsAPPROVED

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TIC: BM046402.D\data.ms

(24) Benzo(b)fluoranthene

22.666min (+ 0.003) 18.94 ng/ul m

response 1327994

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 23.50  | 22.60  |
| 125.00 | 9.20   | 8.63   |
| 0.00   | 0.00   | 0.00   |

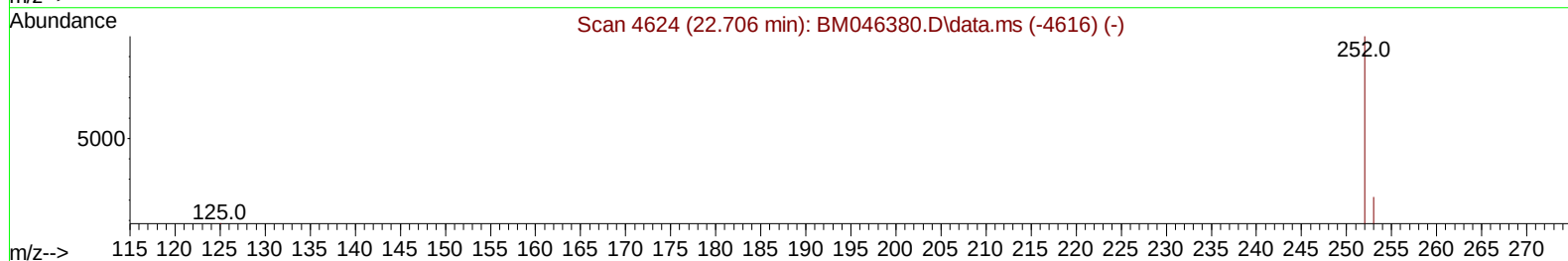
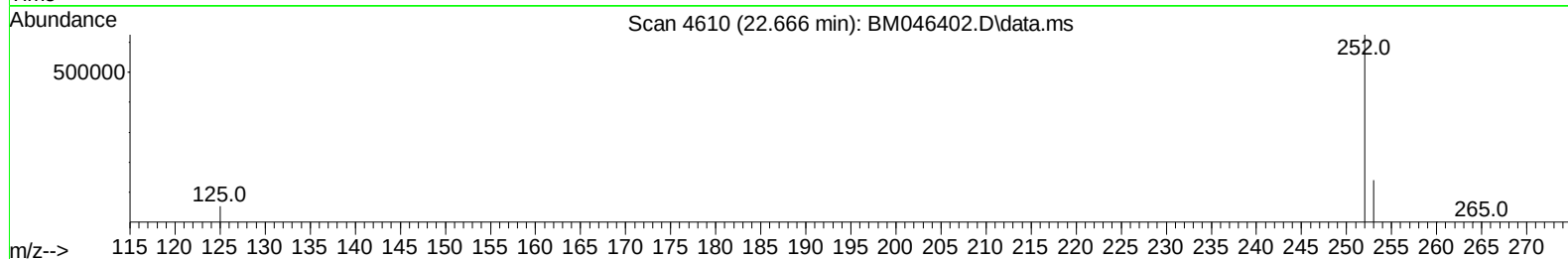
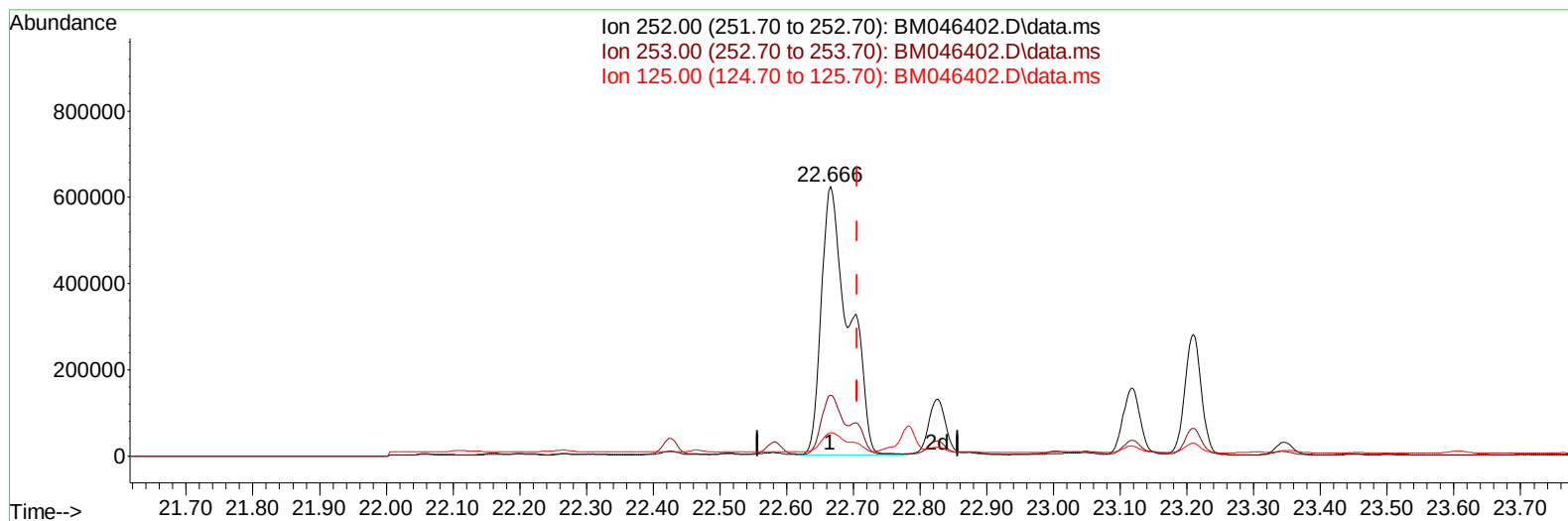
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070524\  
Data File : BM046402.D  
Acq On : 06 Jul 2024 04:13  
Operator : MA/JU  
Sample : P3010-01  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CG2

Manual IntegrationsAPPROVED

Quant Time: Jul 06 04:42:10 2024  
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QLast Update : Fri Jul 05 16:01:25 2024  
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Supervised By :mohammad ahmed 07/08/2024



TIC: BM046402.D\data.ms

(25) Benzo(k)fluoranthene

22.666min (-0.041) 25.05 ng/u1

response 1773002

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 23.00  | 22.60  |
| 125.00 | 9.40   | 8.63   |
| 0.00   | 0.00   | 0.00   |

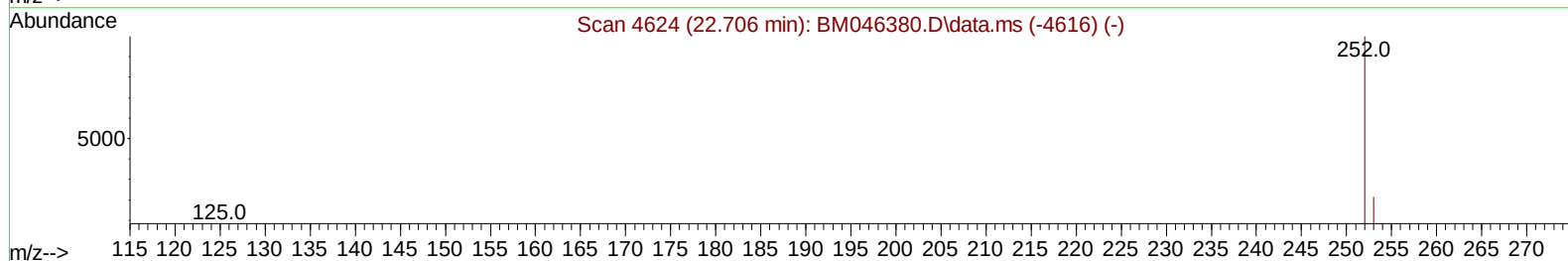
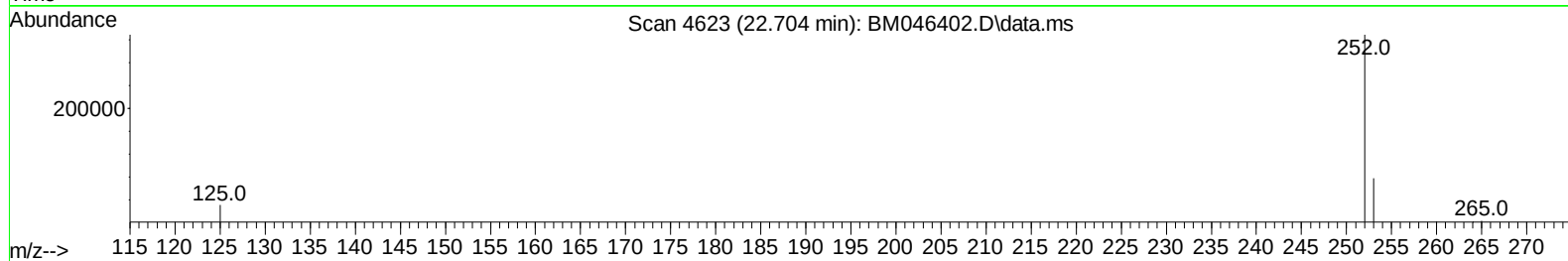
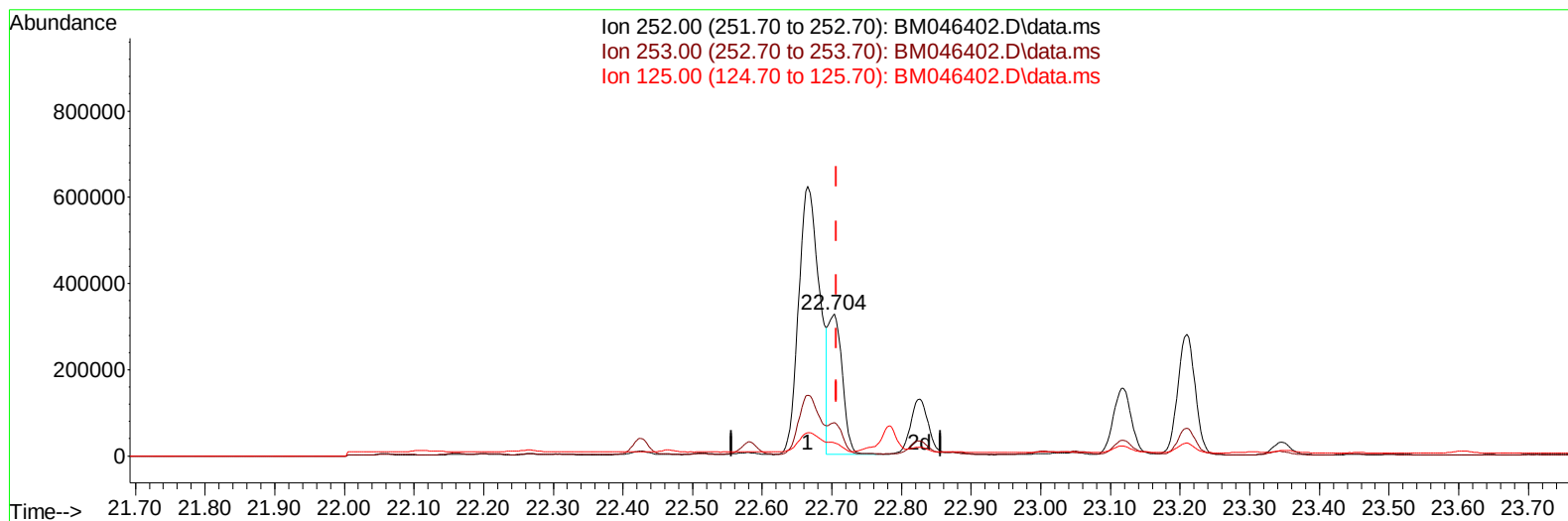
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070524\  
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Sample : P3010-01  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CG2

Manual IntegrationsAPPROVED

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



TIC: BM046402.D\data.ms

(25) Benzo(k)fluoranthene

22.704min (-0.003) 6.45 ng/ul m

response 456595

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 23.00  | 23.53  |
| 125.00 | 9.40   | 9.38   |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070524\  
 Data File : BM046402.D  
 Acq On : 06 Jul 2024 04:13  
 Operator : MA/JU  
 Sample : P3010-01  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4CG2

## Manual IntegrationsAPPROVED

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

Quant Time: Jul 06 04:42:10 2024  
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 QLast Update : Fri Jul 05 16:01:25 2024  
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| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.535  | 152  | 8833     | 0.400  | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.297 | 136  | 25123    | 0.400  | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.177 | 164  | 14431    | 0.400  | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.929 | 188  | 27402    | 0.400  | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.140 | 240  | 11868    | 0.400  | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.300 | 264  | 16491    | 0.400  | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.130  | 96   | 26429    | 2.897  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.898 | 152  | 9473     | 0.255  | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.968 | 212  | 14069    | 0.338  | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        |        | Qvalue   |
| 5) Naphthalene              | 10.347 | 128  | 57669    | 0.865  | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 11.975 | 142  | 25750    | 0.571  | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.194 | 142  | 16253    | 0.350  | ng/ul  | 98       |
| 10) Acenaphthylene          | 13.895 | 152  | 257901   | 3.521  | ng/ul  | 99       |
| 11) Acenaphthene            | 14.242 | 153  | 25034    | 0.524  | ng/ul  | 98       |
| 12) Fluorene                | 15.236 | 166  | 52353    | 0.929  | ng/ul  | 98       |
| 14) Pentachlorophenol       | 16.583 | 266  | 1074     | 0.134  | ng/ul  | 99       |
| 15) Phenanthrene            | 16.971 | 178  | 968574   | 11.803 | ng/ul  | 99       |
| 16) Anthracene              | 17.064 | 178  | 384514   | 4.831  | ng/ul  | 99       |
| 19) Fluoranthene            | 19.001 | 202  | 2503026  | 41.725 | ng/ul  | 99       |
| 20) Pyrene                  | 19.363 | 202  | 1728617  | 28.005 | ng/ul  | 96       |
| 21) Benzo(a)anthracene      | 21.123 | 228  | 1134332m | 21.392 | ng/ul  |          |
| 22) Chrysene                | 21.175 | 228  | 1093408  | 20.739 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 22.666 | 252  | 1327994m | 18.942 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.704 | 252  | 456595m  | 6.452  | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.209 | 252  | 486654   | 8.782  | ng/ul  | 98       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.454 | 276  | 470170   | 6.280  | ng/ul# | 93       |
| 28) Dibenzo(a,h)anthracene  | 25.464 | 278  | 172403   | 2.977  | ng/ul  | 98       |
| 29) Benzo(g,h,i)perylene    | 26.101 | 276  | 69689    | 1.168  | ng/ul# | 91       |
| -----                       |        |      |          |        |        |          |

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

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