

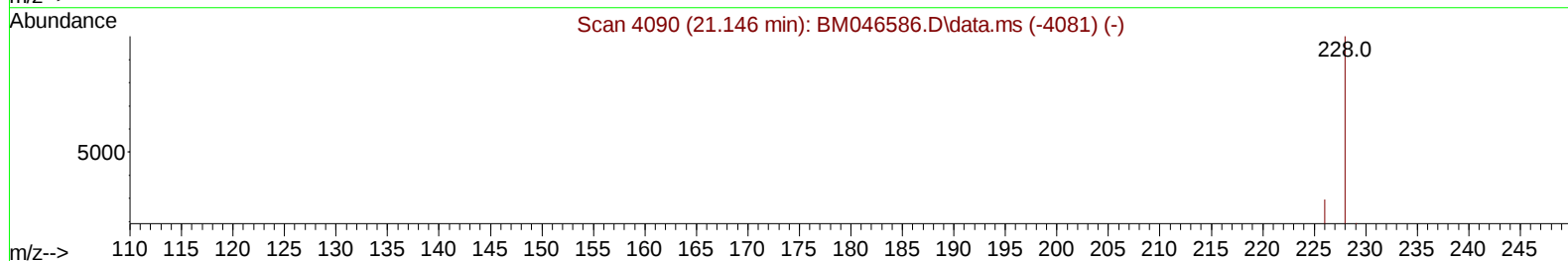
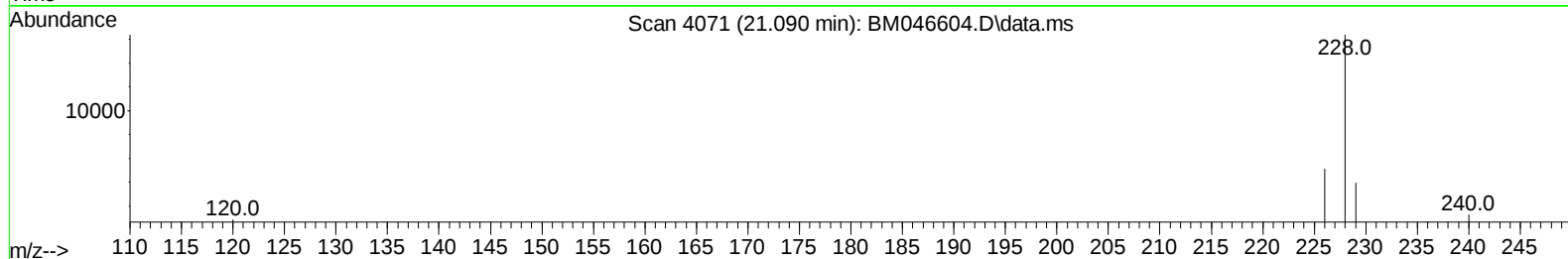
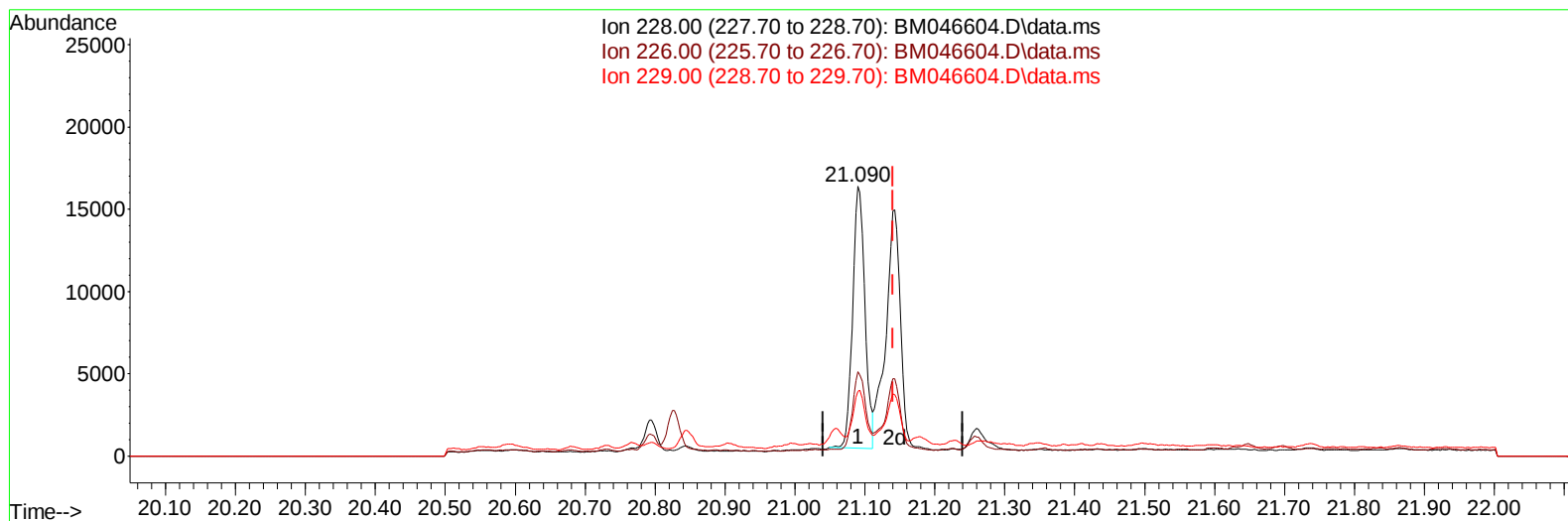
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071524\  
Data File : BM046604.D  
Acq On : 15 Jul 2024 20:05  
Operator : MA/JU  
Sample : P3088-13  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CY5

Manual IntegrationsAPPROVED

Quant Time: Jul 16 00:25:01 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 15 08:57:27 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024  
Supervised By :mohammad ahmed 07/18/2024



TIC: BM046604.D\data.ms

(22) Chrysene

21.090min (-0.050) 0.36 ng/u1

response 19399

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 30.40  | 31.26  |
| 229.00 | 20.50  | 24.05  |
| 0.00   | 0.00   | 0.00   |

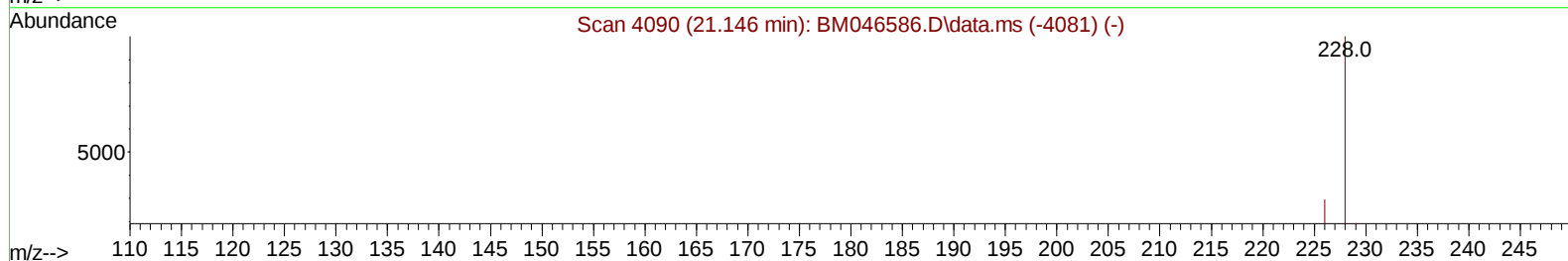
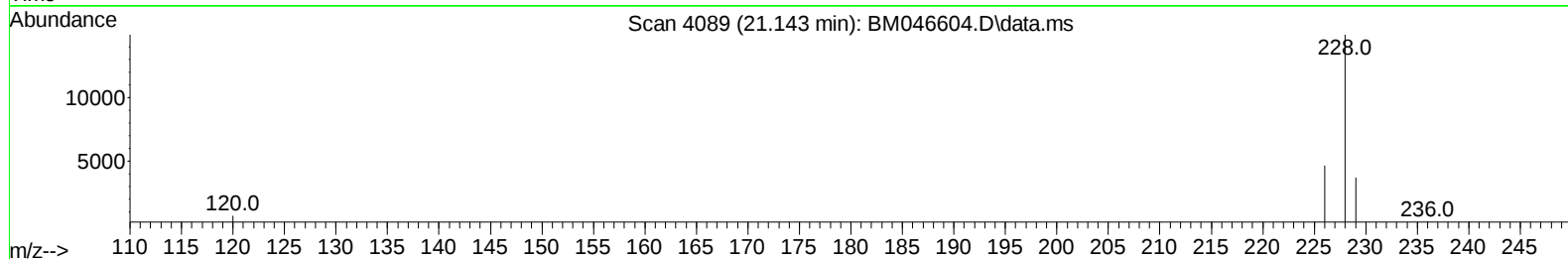
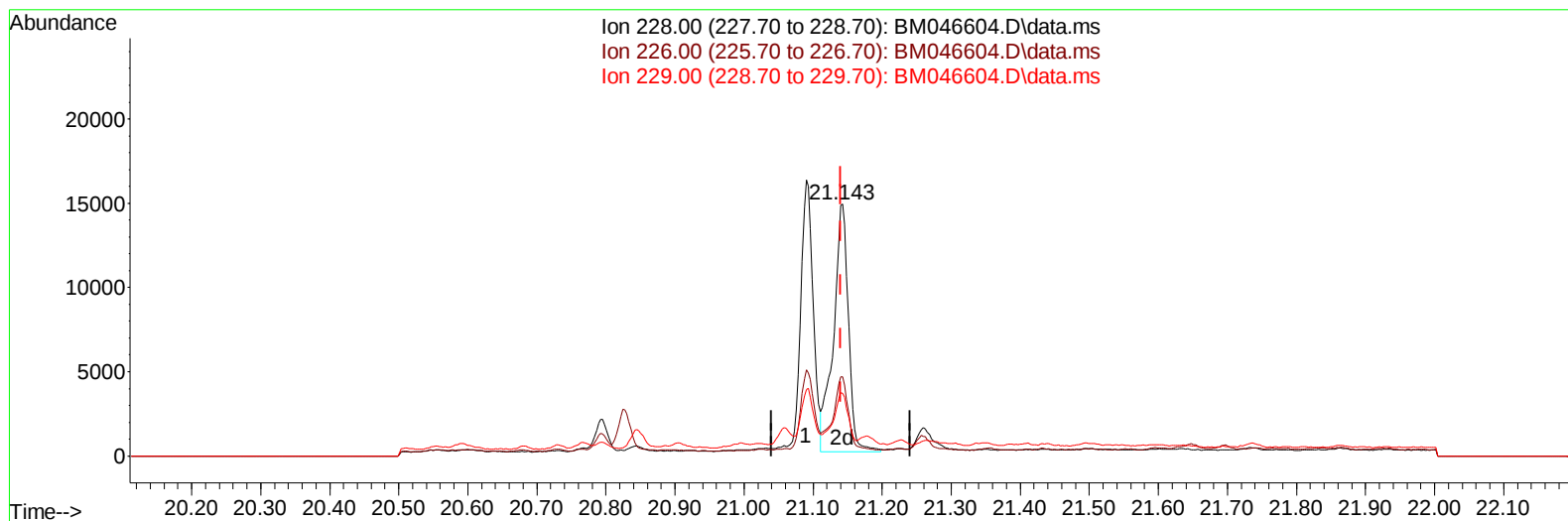
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071524\  
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Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CY5

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/16/2024  
Supervised By :mohammad ahmed 07/18/2024

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TIC: BM046604.D\data.ms

## (22) Chrysene

21.143min (+ 0.002) 0.41 ng/ul m

response 22154

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 30.40  | 31.34  |
| 229.00 | 20.50  | 24.97# |
| 0.00   | 0.00   | 0.00   |

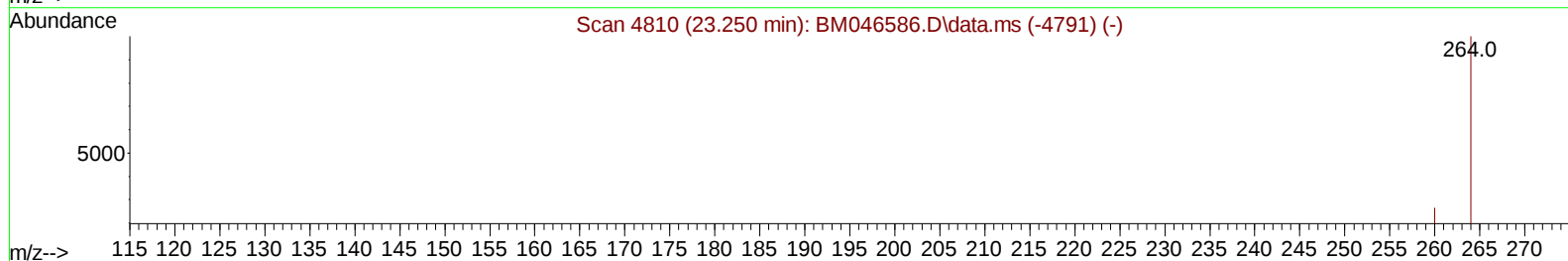
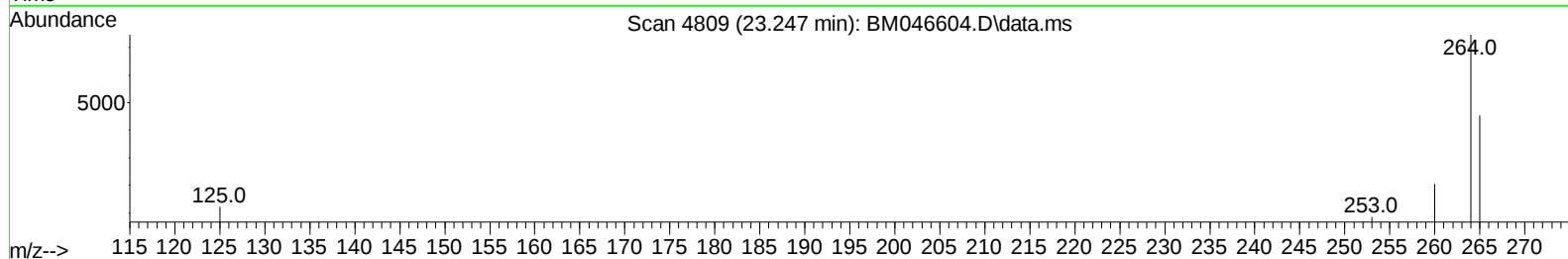
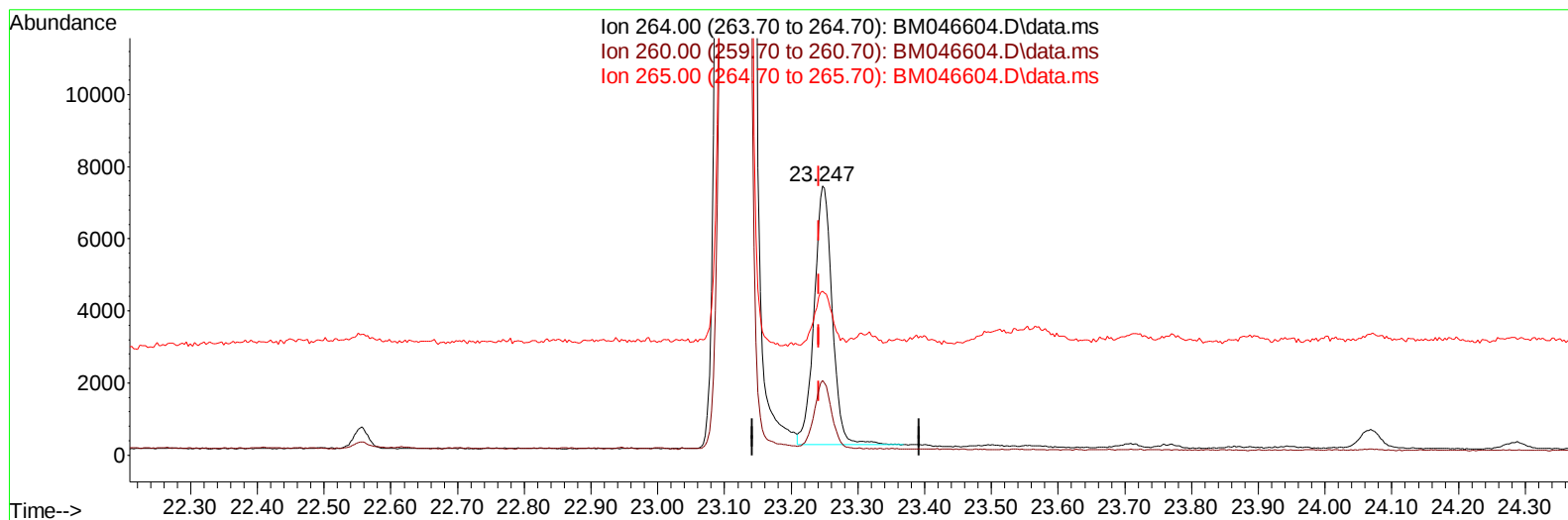
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071524\  
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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CY5

Manual IntegrationsAPPROVED

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TIC: BM046604.D\data.ms

(23) Perylene-d12 (I)

23.247min (+ 0.005) 0.40 ng/u1

response 13600

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 26.80  | 27.62  |
| 265.00 | 88.90  | 60.94# |
| 0.00   | 0.00   | 0.00   |

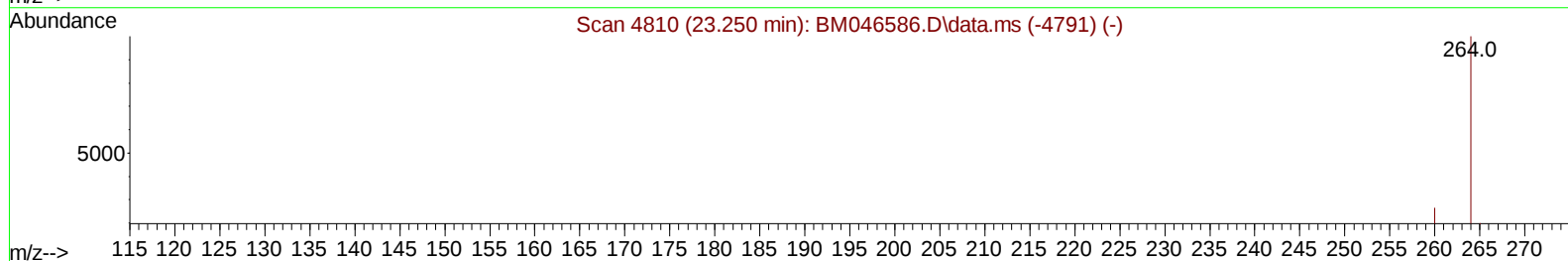
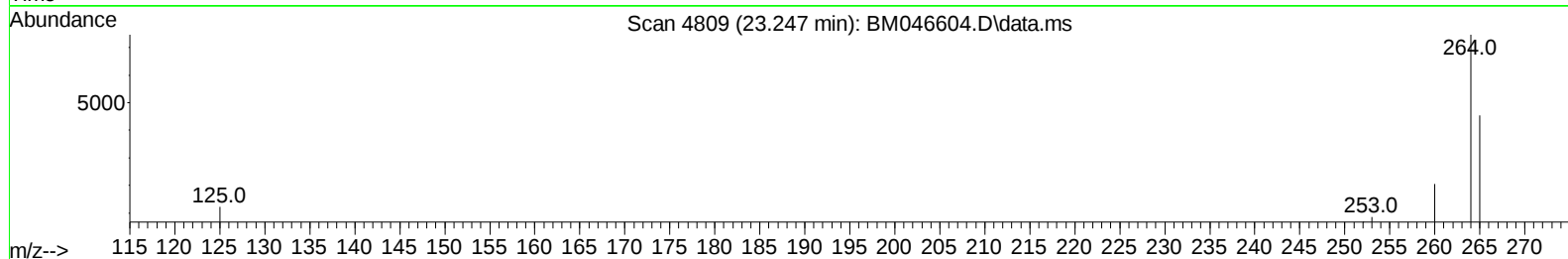
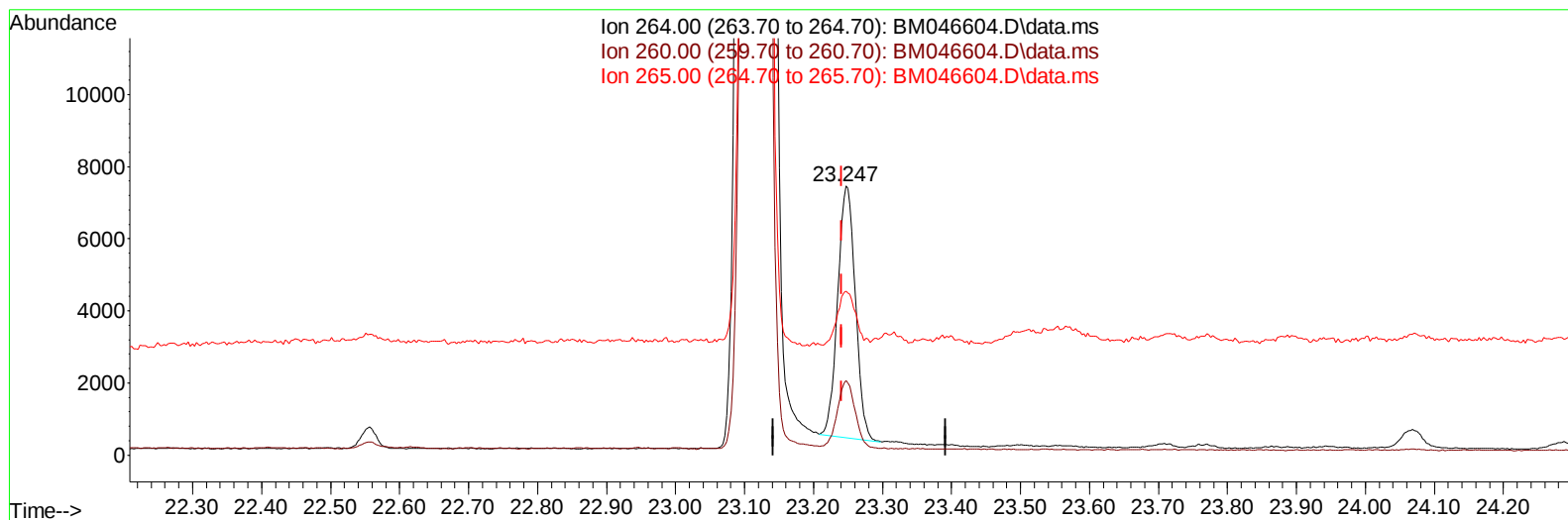
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071524\  
Data File : BM046604.D  
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Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CY5

Manual IntegrationsAPPROVED

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TIC: BM046604.D\data.ms

(23) Perylene-d12 (I)

23.247min (+ 0.005) 0.40 ng/ul m

response 12484

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 26.80  | 27.62  |
| 265.00 | 88.90  | 60.94# |
| 0.00   | 0.00   | 0.00   |

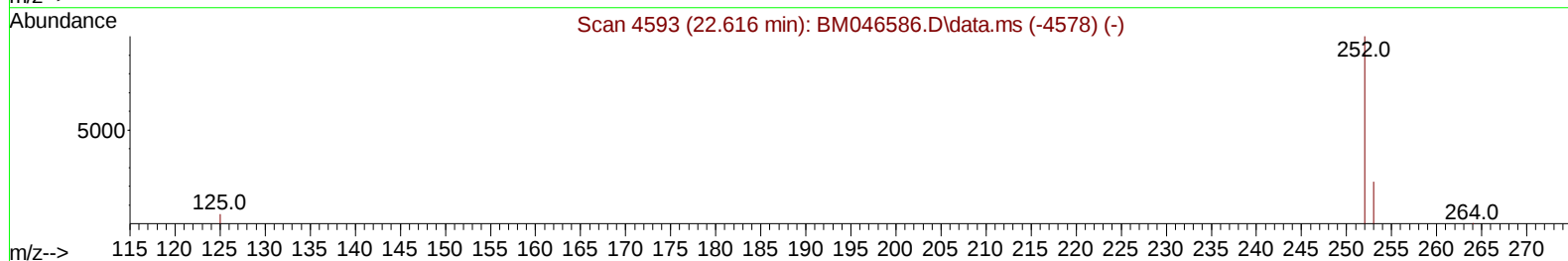
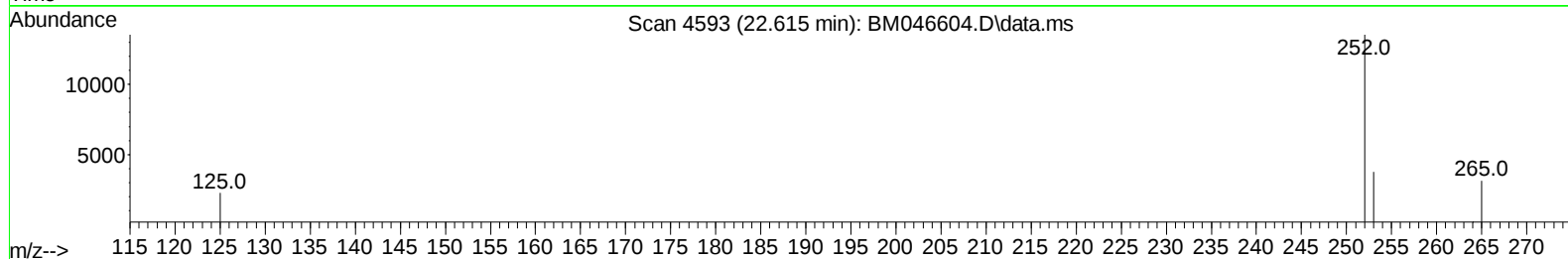
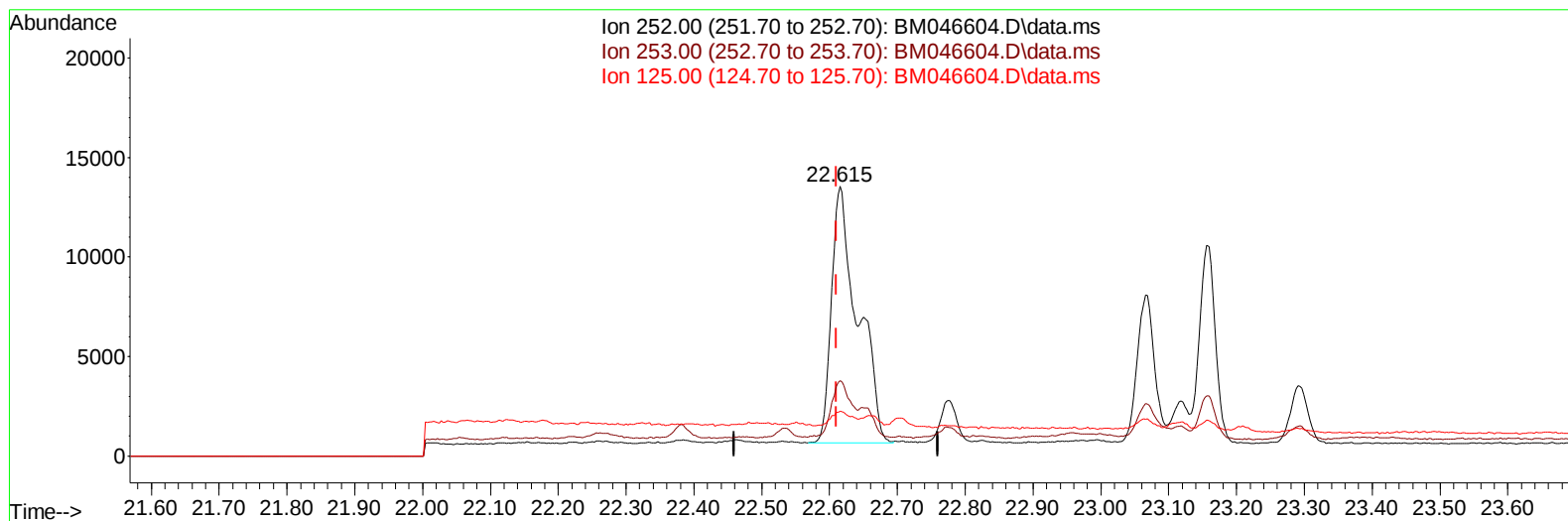
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071524\  
Data File : BM046604.D  
Acq On : 15 Jul 2024 20:05  
Operator : MA/JU  
Sample : P3088-13  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CY5

Manual IntegrationsAPPROVED

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TIC: BM046604.D\data.ms

(24) Benzo(b)fluoranthene

22.615min (+ 0.005) 0.70 ng/u1

response 34714

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 28.10  | 27.95  |
| 125.00 | 8.90   | 16.73  |
| 0.00   | 0.00   | 0.00   |

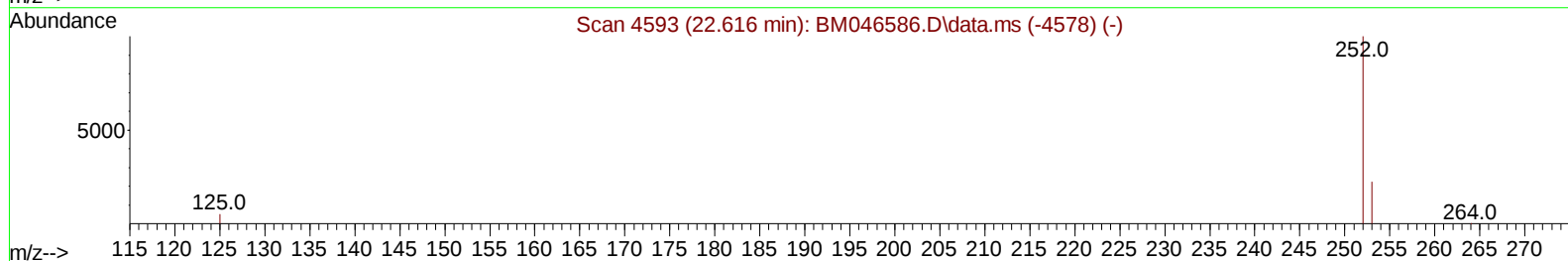
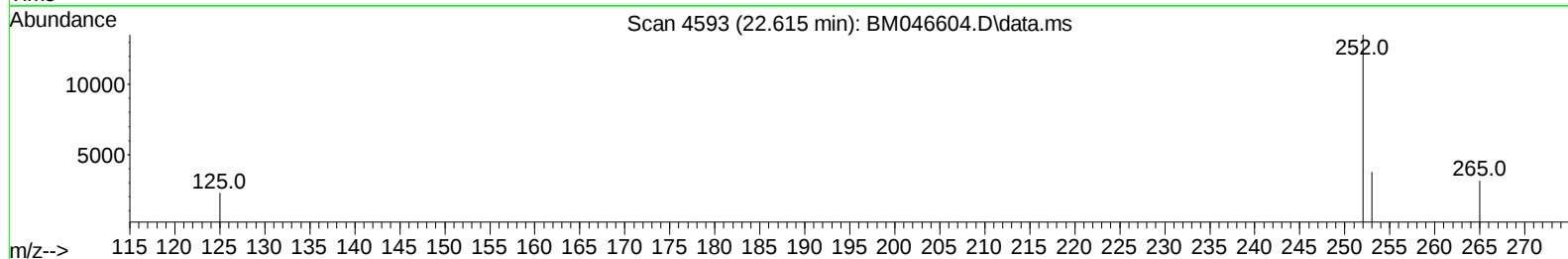
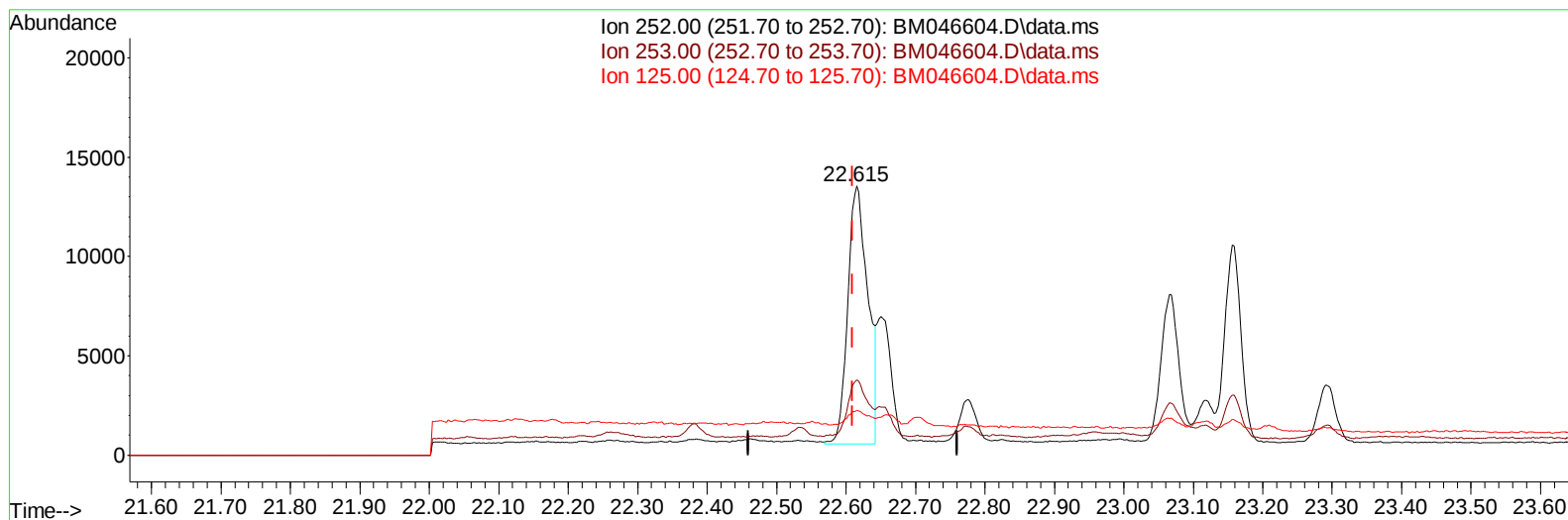
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071524\  
Data File : BM046604.D  
Acq On : 15 Jul 2024 20:05  
Operator : MA/JU  
Sample : P3088-13  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CY5

Manual IntegrationsAPPROVED

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TIC: BM046604.D\data.ms

(24) Benzo(b)fluoranthene

22.615min (+ 0.005) 0.52 ng/u1 m

response 25974

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 28.10  | 27.95  |
| 125.00 | 8.90   | 16.73  |
| 0.00   | 0.00   | 0.00   |

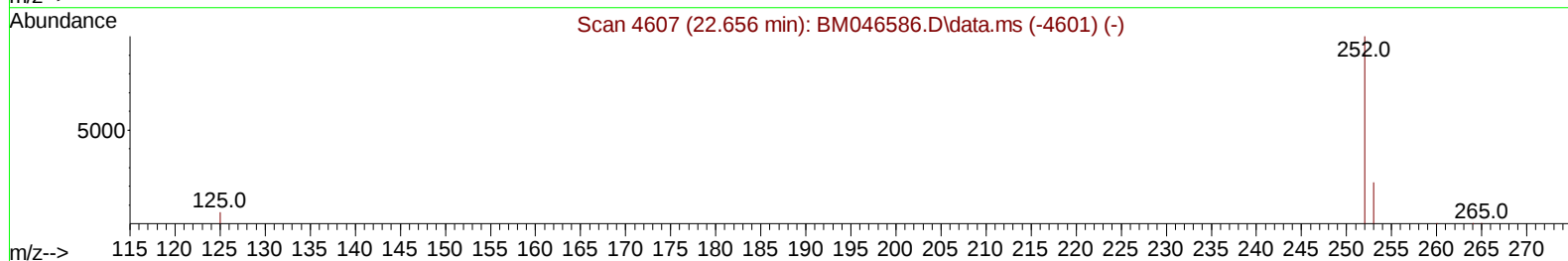
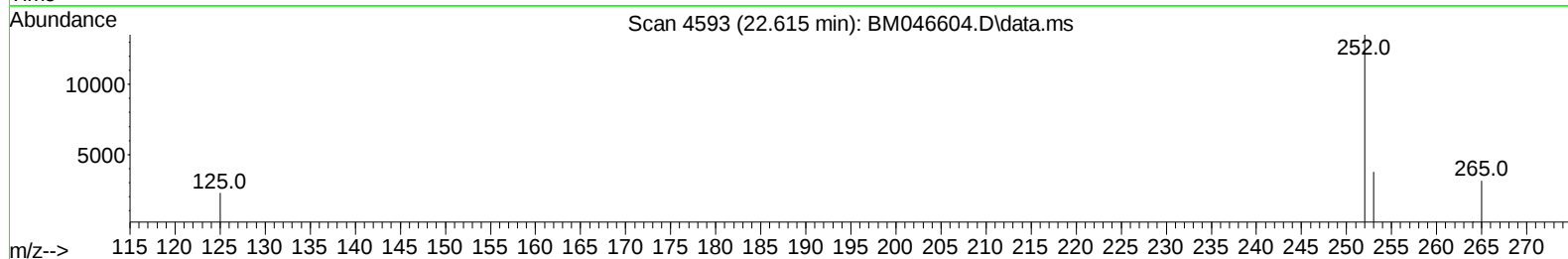
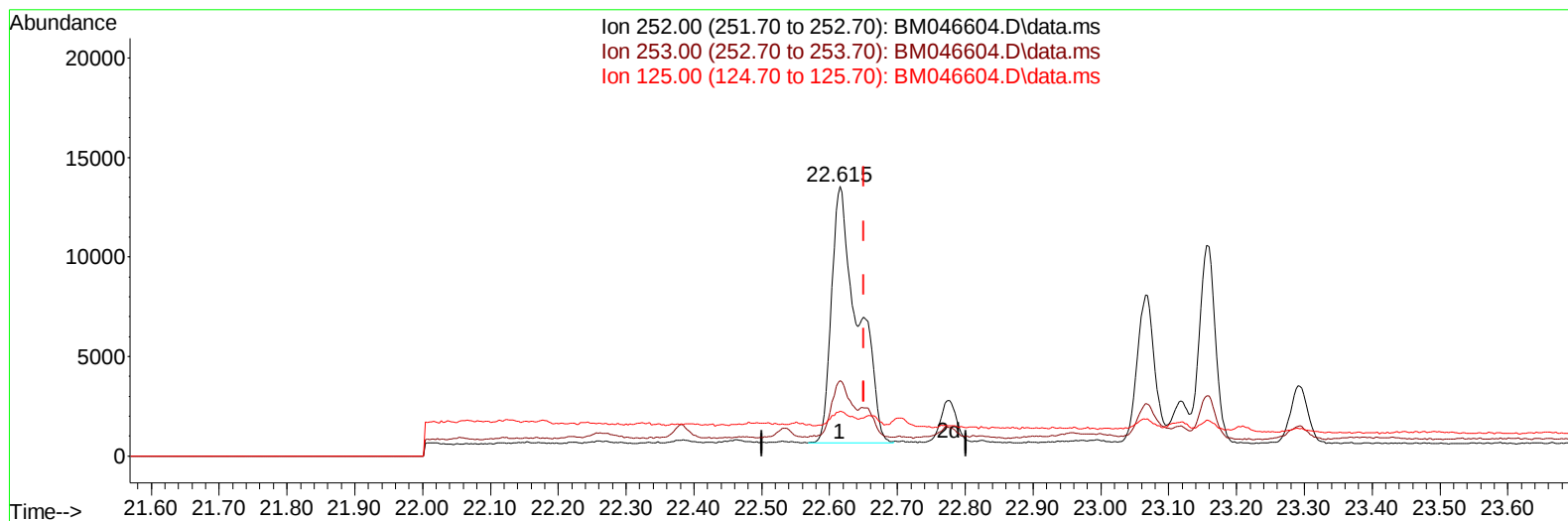
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071524\  
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Acq On : 15 Jul 2024 20:05  
Operator : MA/JU  
Sample : P3088-13  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CY5

Manual IntegrationsAPPROVED

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TIC: BM046604.D\data.ms

(25) Benzo(k)fluoranthene

22.615min (-0.036) 0.71 ng/u1

response 34714

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 28.00  | 27.95  |
| 125.00 | 8.70   | 16.73# |
| 0.00   | 0.00   | 0.00   |

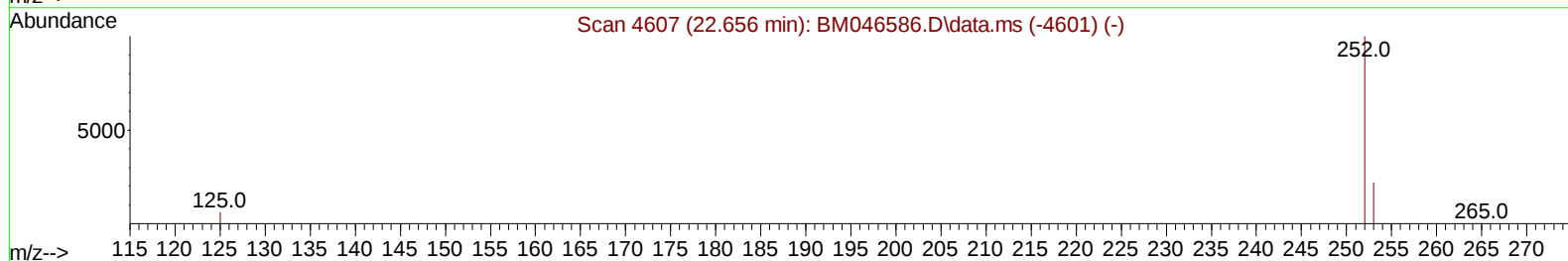
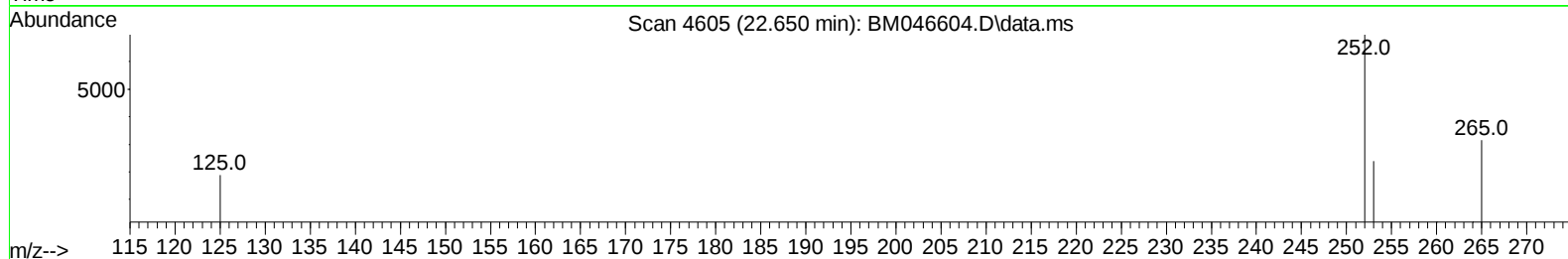
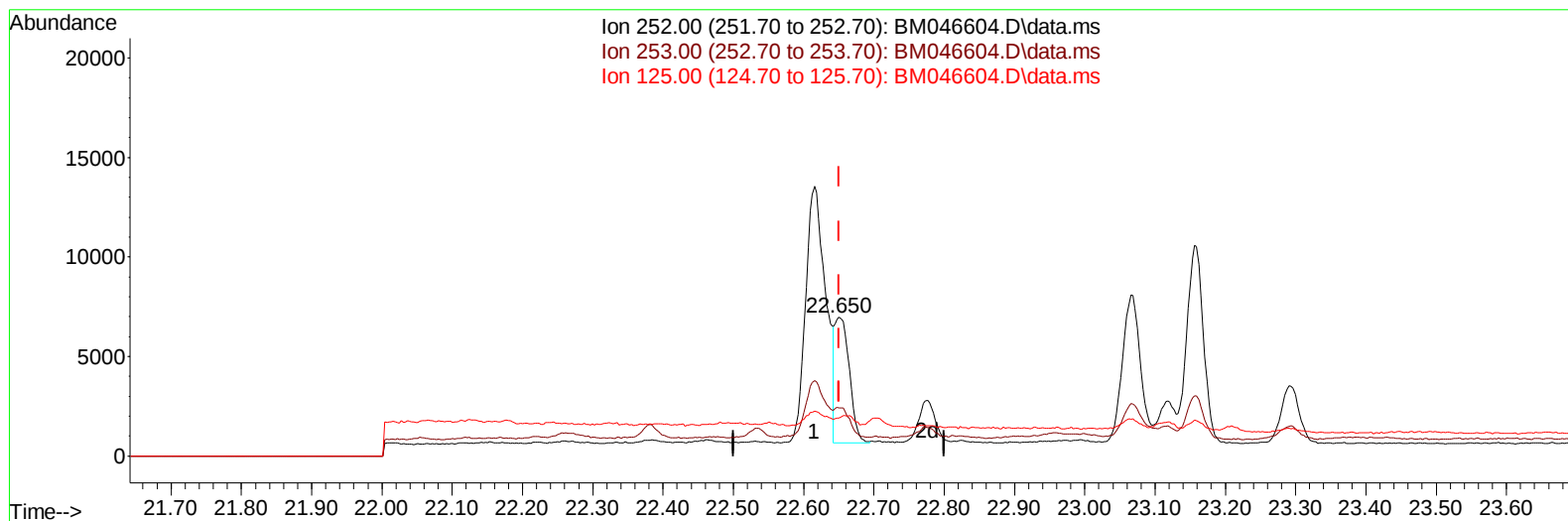
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071524\  
Data File : BM046604.D  
Acq On : 15 Jul 2024 20:05  
Operator : MA/JU  
Sample : P3088-13  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CY5

Manual IntegrationsAPPROVED

Quant Time: Jul 16 00:25:01 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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Reviewed By :Yogesh Patel 07/16/2024  
Supervised By :mohammad ahmed 07/18/2024



TIC: BM046604.D\data.ms

(25) Benzo(k)fluoranthene

22.650min (-0.001) 0.19 ng/u1 m

response 9067

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 28.00  | 34.40# |
| 125.00 | 8.70   | 27.16# |
| 0.00   | 0.00   | 0.00   |

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 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4CY5

## Manual IntegrationsAPPROVED

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| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.506  | 152  | 3784     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.265 | 136  | 10425    | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.146 | 164  | 7076     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.900 | 188  | 15974    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.108 | 240  | 12742    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.247 | 264  | 12484m   | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.113  | 96   | 9350     | 3.007 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.866 | 152  | 4330     | 0.258 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.942 | 212  | 11088    | 0.286 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.315 | 128  | 1711     | 0.065 | ng/ul# | 94       |
| 7) 2-Methylnaphthalene      | 11.937 | 142  | 567      | 0.030 | ng/ul  | 95       |
| 10) Acenaphthylene          | 13.864 | 152  | 1803     | 0.056 | ng/ul# | 90       |
| 11) Acenaphthene            | 14.210 | 153  | 1056     | 0.049 | ng/ul  | 99       |
| 12) Fluorene                | 15.205 | 166  | 1341     | 0.050 | ng/ul# | 91       |
| 15) Phenanthrene            | 16.943 | 178  | 24699    | 0.542 | ng/ul  | 99       |
| 16) Anthracene              | 17.031 | 178  | 5041     | 0.113 | ng/ul# | 94       |
| 19) Fluoranthene            | 18.969 | 202  | 46025    | 0.879 | ng/ul  | 100      |
| 20) Pyrene                  | 19.332 | 202  | 41288    | 0.729 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.090 | 228  | 19632    | 0.348 | ng/ul  | 93       |
| 22) Chrysene                | 21.143 | 228  | 22154m   | 0.406 | ng/ul  |          |
| 24) Benzo(b)fluoranthene    | 22.615 | 252  | 25974m   | 0.521 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.650 | 252  | 9067m    | 0.185 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.156 | 252  | 16537    | 0.403 | ng/ul# | 93       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.366 | 276  | 12695    | 0.203 | ng/ul# | 100      |
| 28) Dibenzo(a,h)anthracene  | 25.380 | 278  | 3310     | 0.067 | ng/ul# | 48       |
| 29) Benzo(g,h,i)perylene    | 26.010 | 276  | 12287    | 0.247 | ng/ul# | 96       |
| -----                       |        |      |          |       |        |          |

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

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