

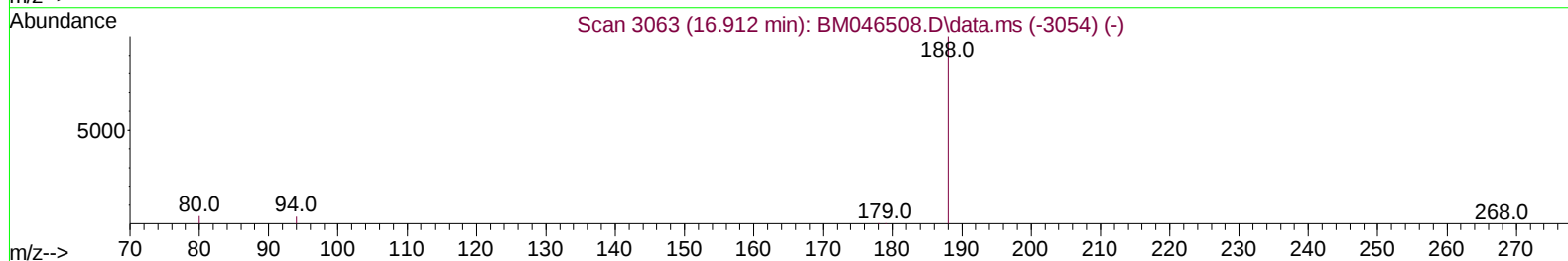
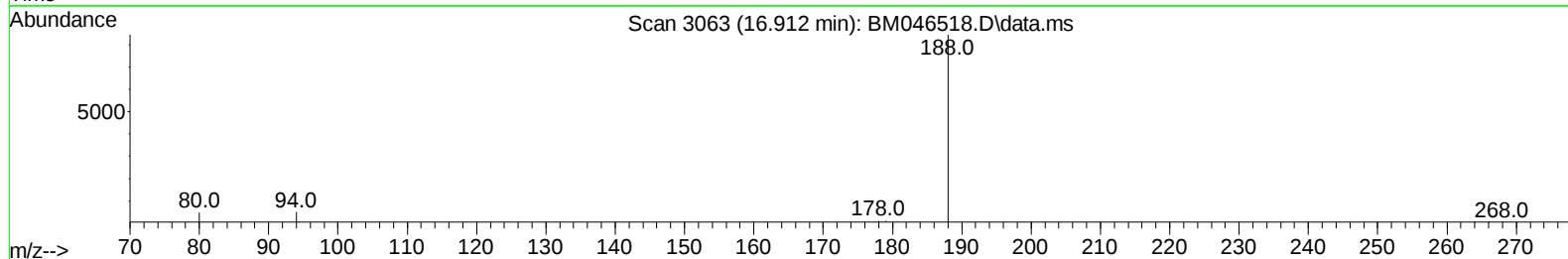
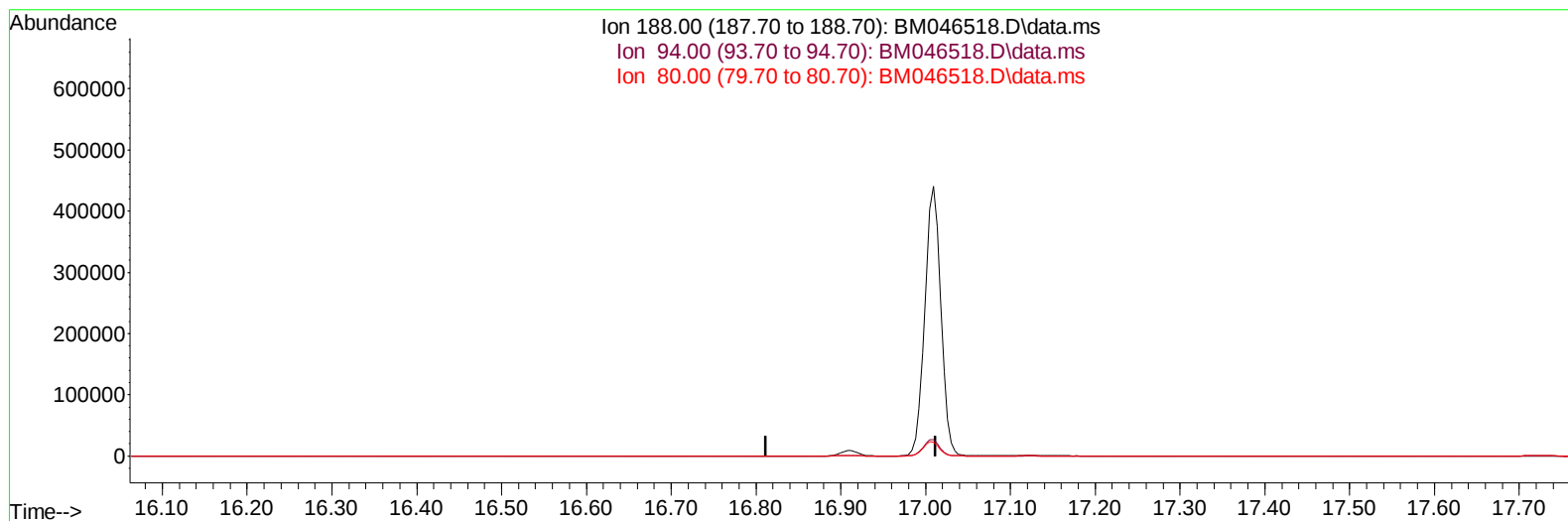
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071124\  
Data File : BM046518.D  
Acq On : 11 Jul 2024 15:22  
Operator : MA/JU  
Sample : P3035-17  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CX5

Manual IntegrationsAPPROVED

Quant Time: Jul 12 04:21:36 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 : Fri Jul 12 04:18:37 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024  
Supervised By :mohammad ahmed 07/13/2024



TIC: BM046518.D\data.ms

(13) Phenanthrene-d10 (I)

16.912min (-16.912) 0.00 ng/u1

response 0

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 188.00 | 100.00 | 0.00  |
| 94.00  | 6.40   | 0.00# |
| 80.00  | 6.60   | 0.00# |
| 0.00   | 0.00   | 0.00  |

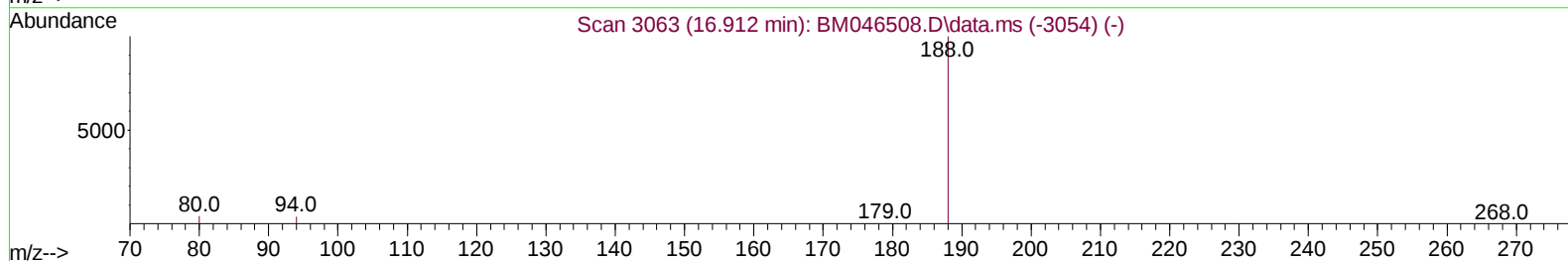
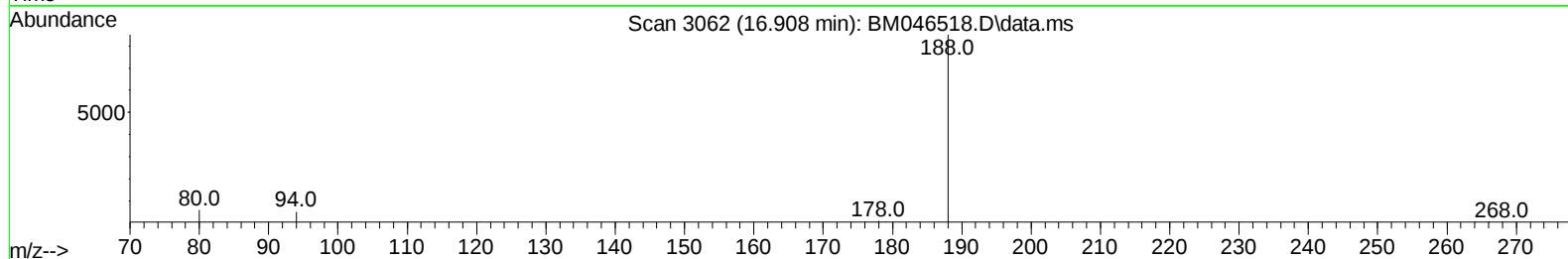
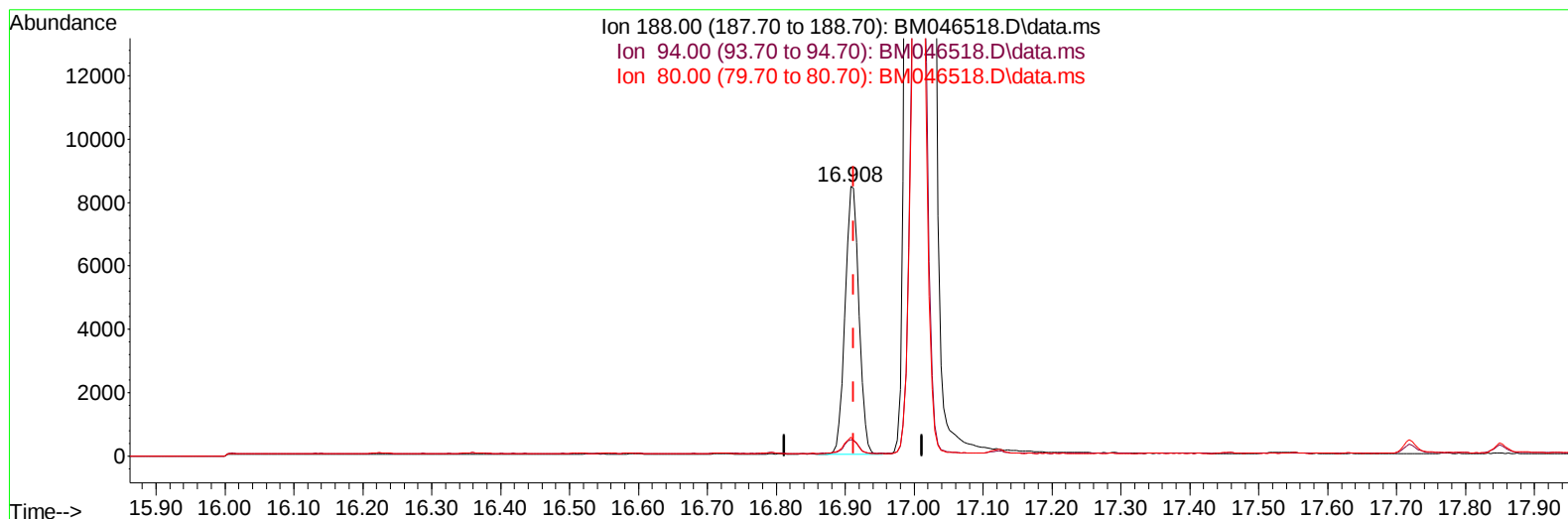
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071124\  
Data File : BM046518.D  
Acq On : 11 Jul 2024 15:22  
Operator : MA/JU  
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Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CX5

Manual IntegrationsAPPROVED

Quant Time: Jul 12 04:21:36 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071024.M  
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Reviewed By :Jagrut Upadhyay 07/12/2024  
Supervised By :mohammad ahmed 07/13/2024



TIC: BM046518.D\data.ms

**(13) Phenanthrene-d10 (I)**

**16.908min (-0.004) 0.40 ng/ul m**

**response 11693**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 6.40   | 6.03   |
| 80.00  | 6.60   | 6.89   |
| 0.00   | 0.00   | 0.00   |

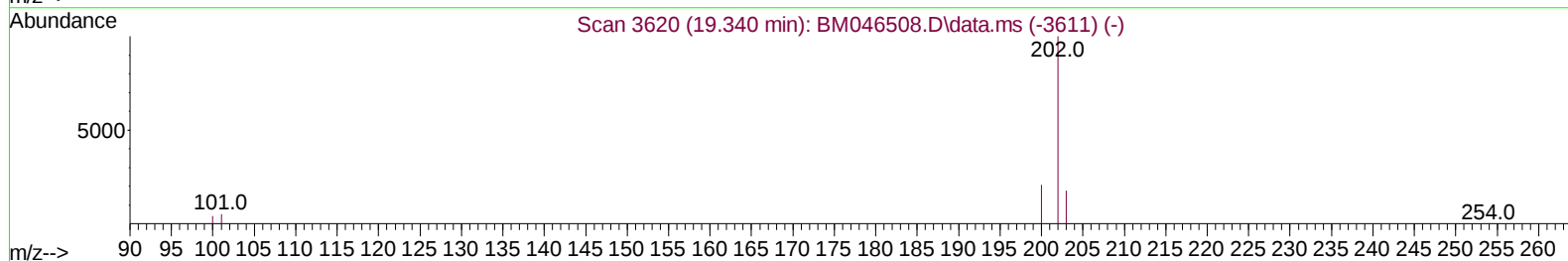
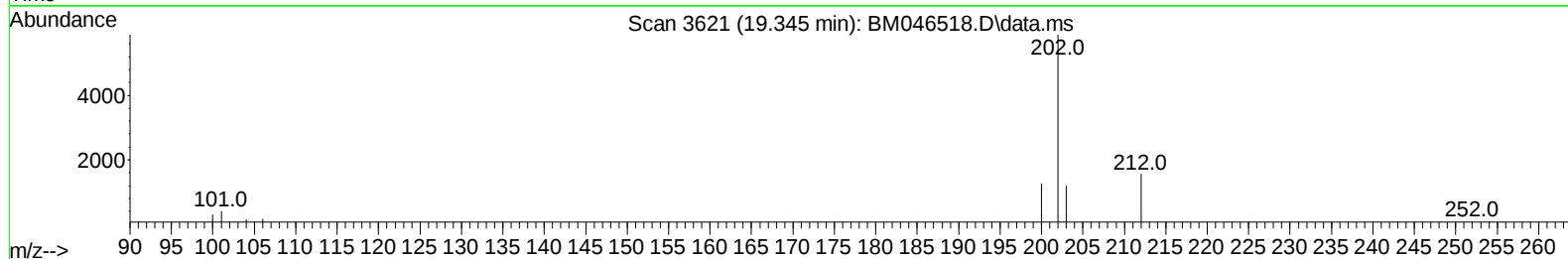
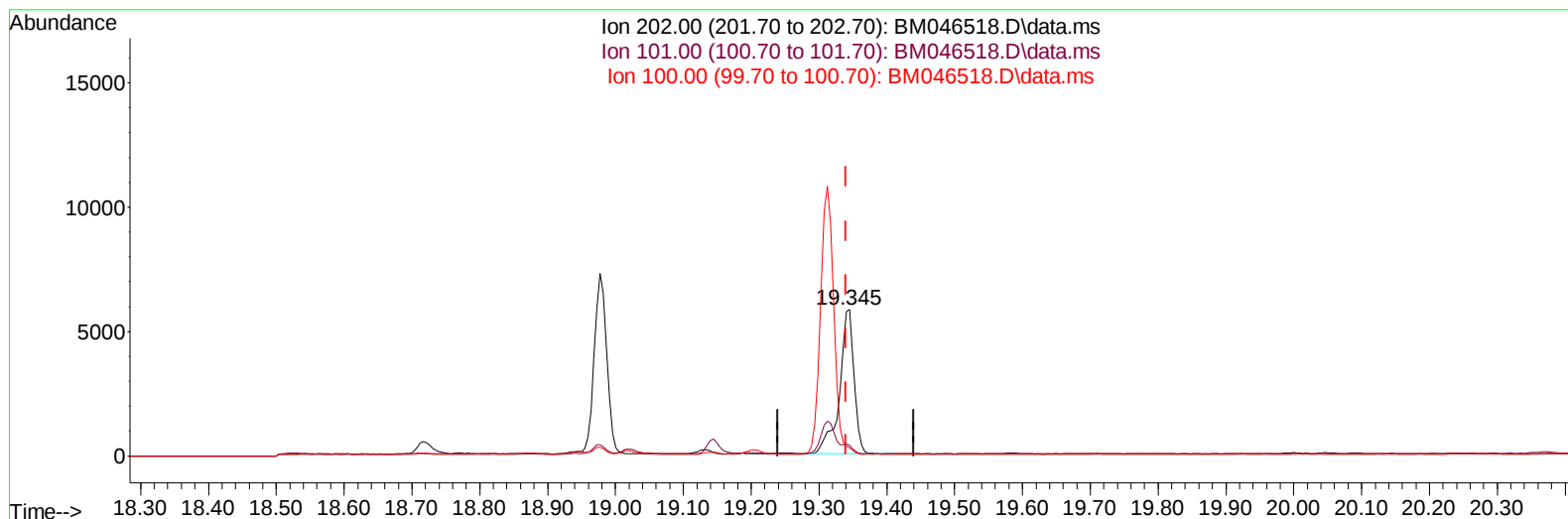
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071124\  
Data File : BM046518.D  
Acq On : 11 Jul 2024 15:22  
Operator : MA/JU  
Sample : P3035-17  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CX5

Manual IntegrationsAPPROVED

Quant Time: Jul 12 04:21:36 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071024.M  
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QLast Update : Fri Jul 12 04:18:37 2024  
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Reviewed By :Jagrut Upadhyay 07/12/2024  
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TIC: BM046518.D\data.ms

(20) Pyrene

19.345min (+ 0.005) 0.20 ng/u1

response 8918

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 6.40   | 7.07   |
| 100.00 | 4.70   | 5.34   |
| 0.00   | 0.00   | 0.00   |

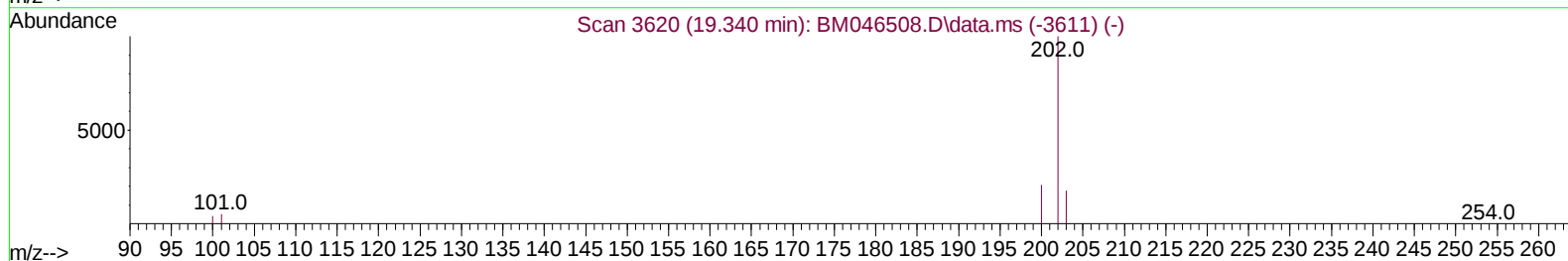
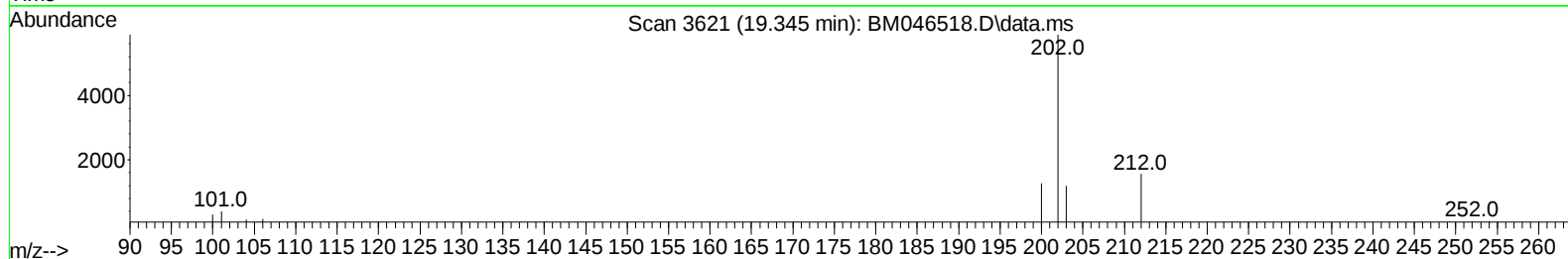
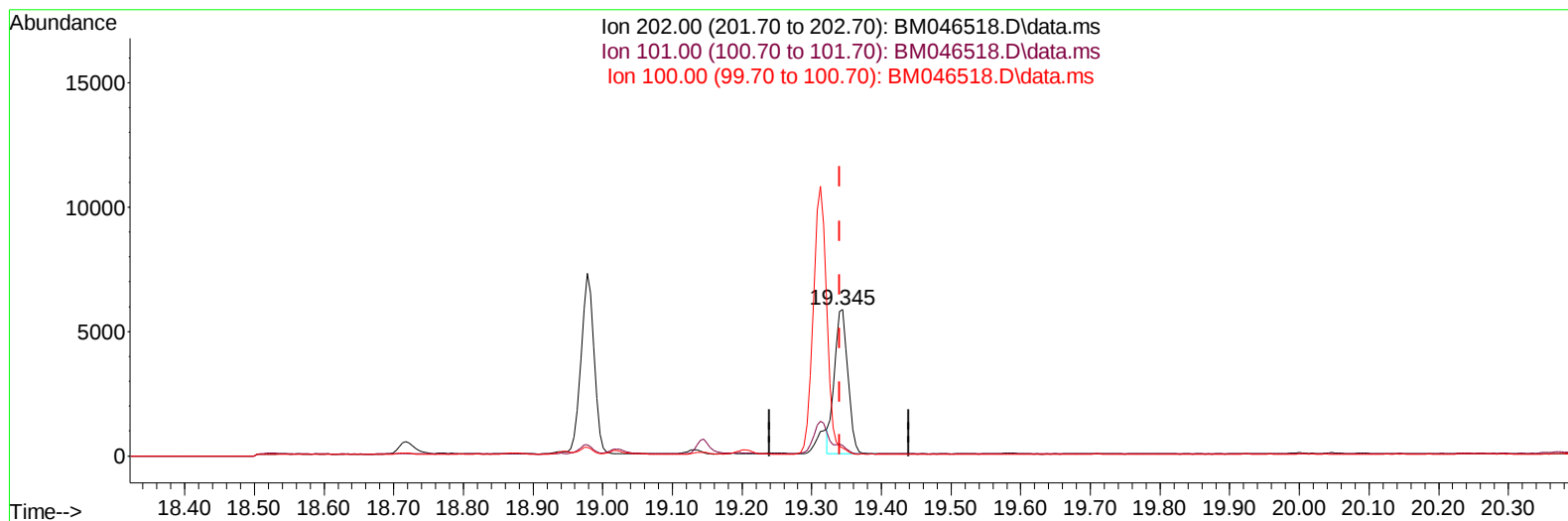
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071124\  
Data File : BM046518.D  
Acq On : 11 Jul 2024 15:22  
Operator : MA/JU  
Sample : P3035-17  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CX5

Manual IntegrationsAPPROVED

Quant Time: Jul 12 04:21:36 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 : Fri Jul 12 04:18:37 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024  
Supervised By :mohammad ahmed 07/13/2024



TIC: BM046518.D\data.ms

(20) Pyrene

19.345min (+ 0.005) 0.18 ng/ul m

response 7771

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 6.40   | 7.07   |
| 100.00 | 4.70   | 5.34   |
| 0.00   | 0.00   | 0.00   |

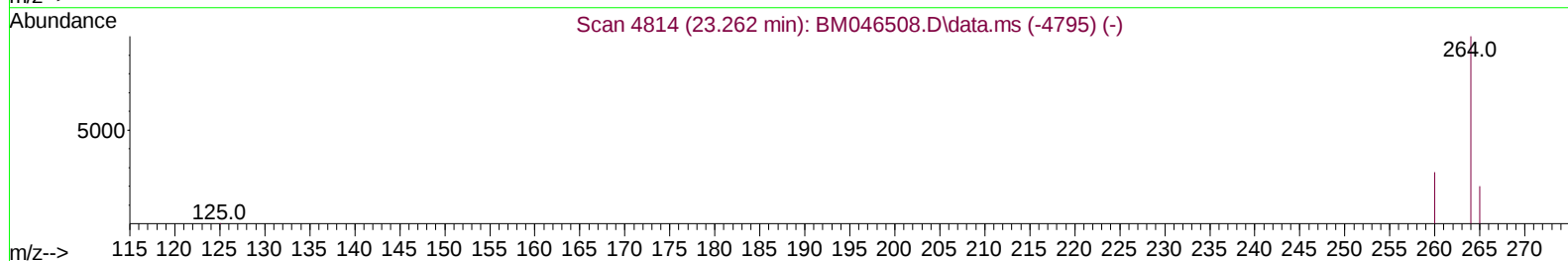
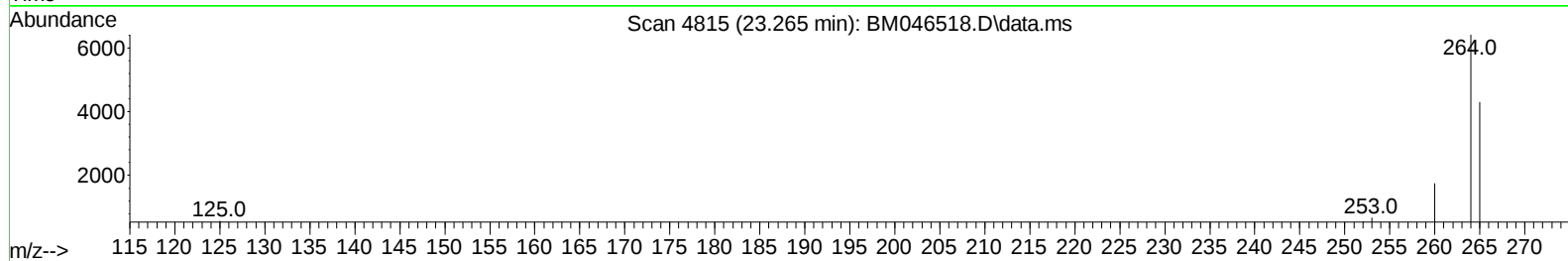
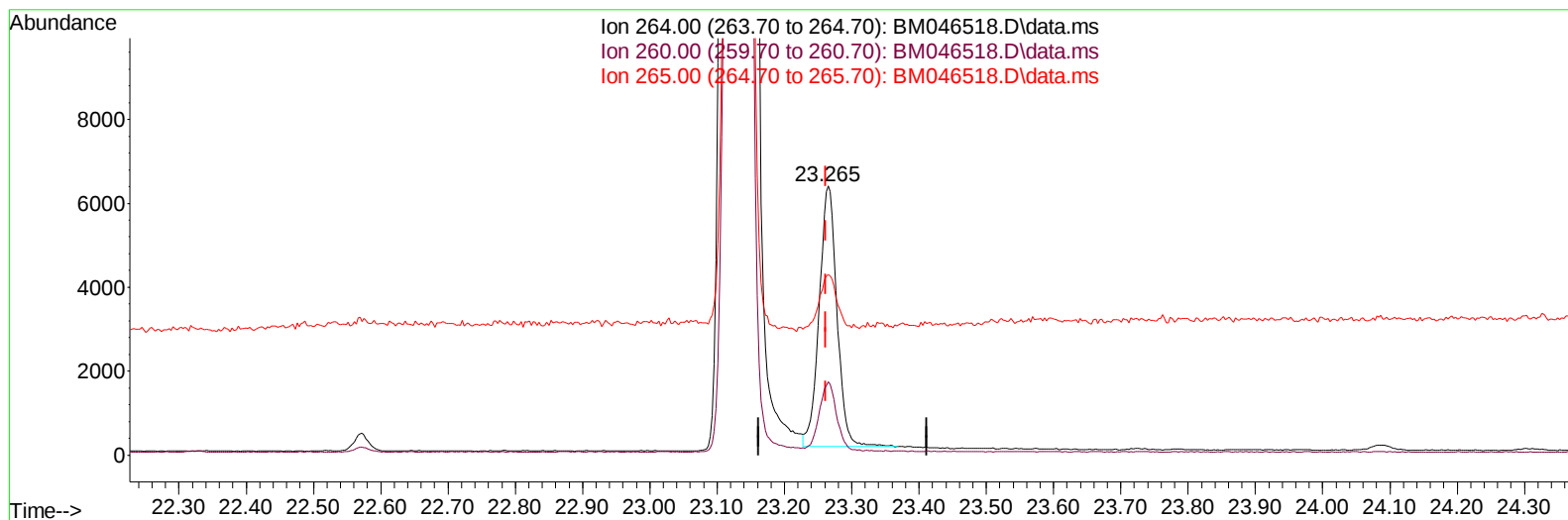
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071124\  
Data File : BM046518.D  
Acq On : 11 Jul 2024 15:22  
Operator : MA/JU  
Sample : P3035-17  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CX5

Manual IntegrationsAPPROVED

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TIC: BM046518.D\data.ms

(23) Perylene-d12 (I)

23.265min (+ 0.003) 0.40 ng/u1

response 11405

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 26.80  | 27.36  |
| 265.00 | 88.90  | 67.13# |
| 0.00   | 0.00   | 0.00   |

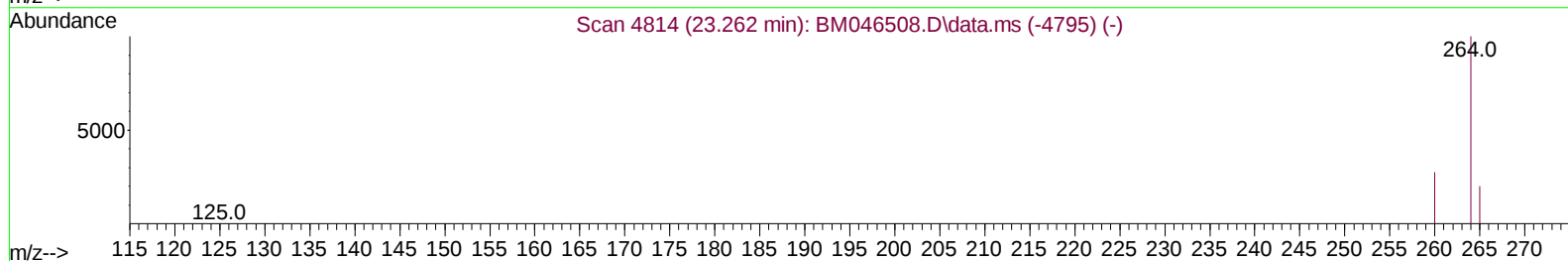
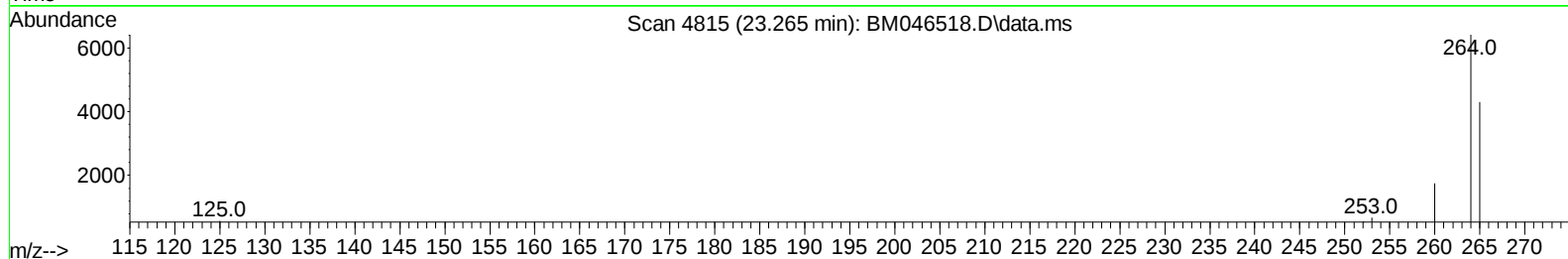
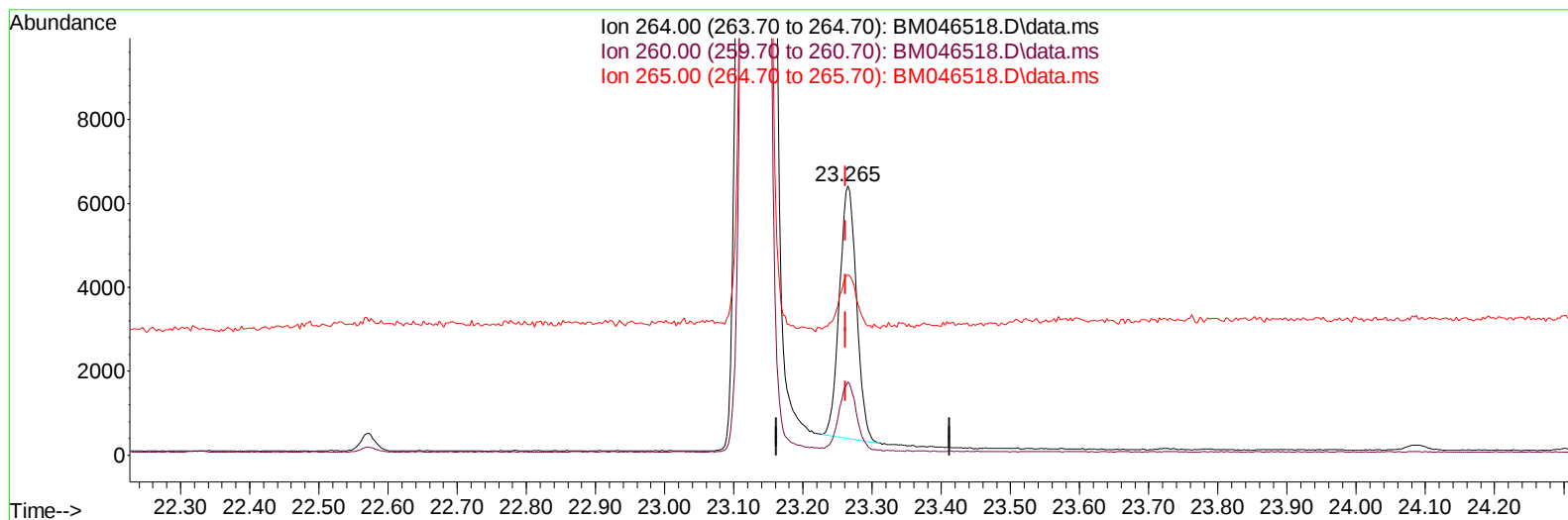
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071124\  
Data File : BM046518.D  
Acq On : 11 Jul 2024 15:22  
Operator : MA/JU  
Sample : P3035-17  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CX5

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/12/2024  
Supervised By :mohammad ahmed 07/13/2024

Quant Time: Jul 12 04:21:36 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071024.M  
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TIC: BM046518.D\data.ms

## (23) Perylene-d12 (I)

23.265min (+ 0.003) 0.40 ng/ul m

response 10380

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 26.80  | 27.36  |
| 265.00 | 88.90  | 67.13# |
| 0.00   | 0.00   | 0.00   |

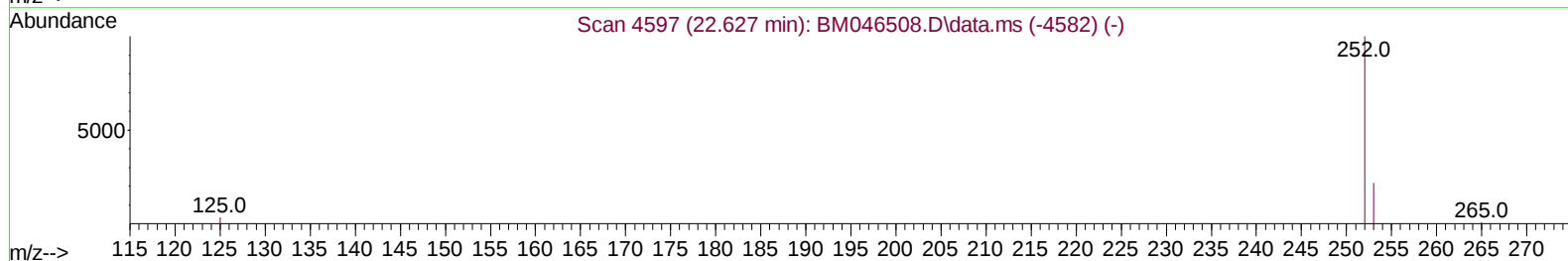
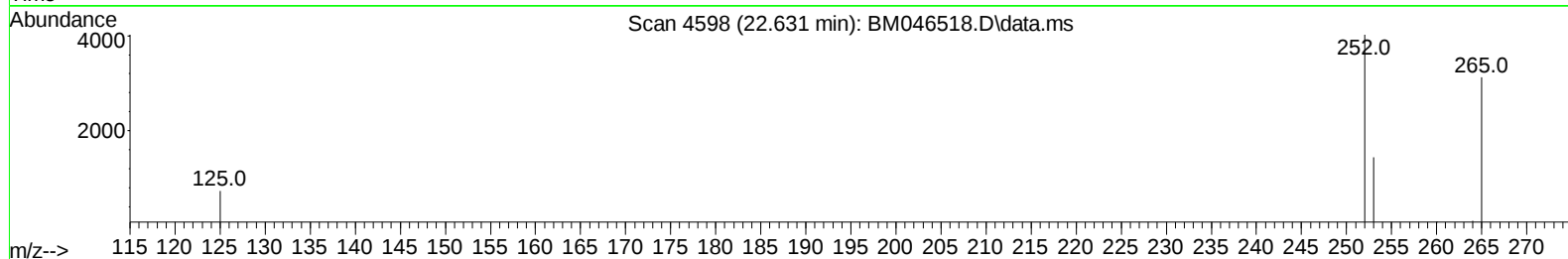
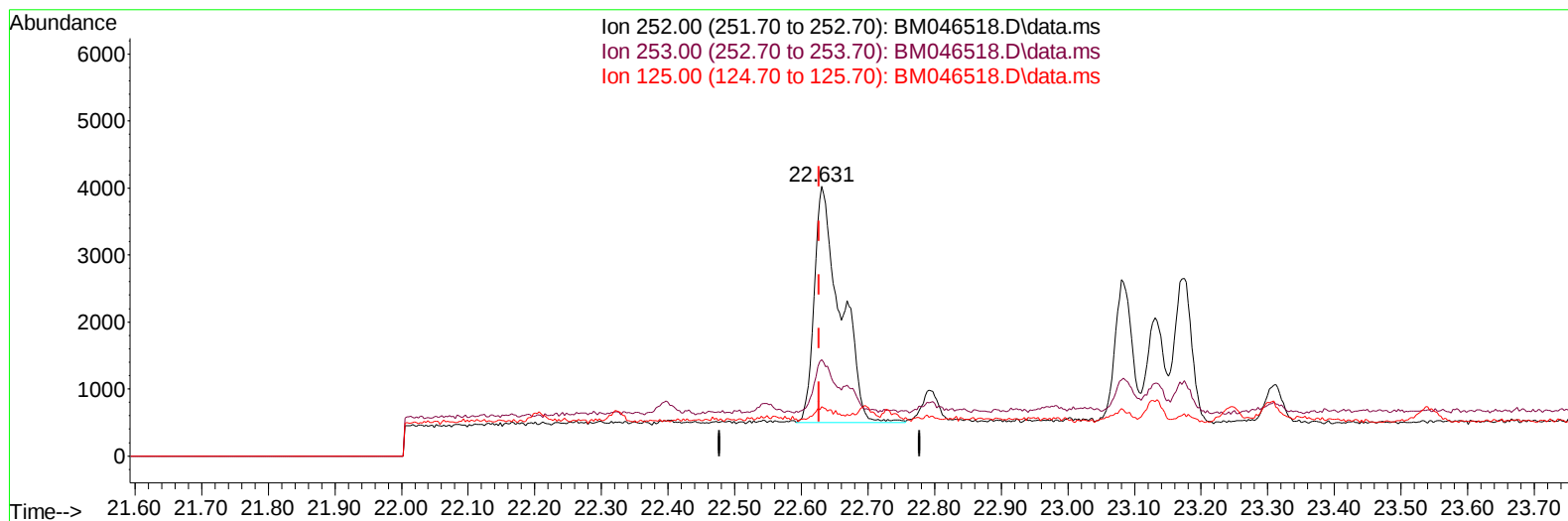
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071124\  
Data File : BM046518.D  
Acq On : 11 Jul 2024 15:22  
Operator : MA/JU  
Sample : P3035-17  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CX5

Manual IntegrationsAPPROVED

Quant Time: Jul 12 04:21:36 2024  
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Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024  
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TIC: BM046518.D\data.ms

(24) Benzo(b)fluoranthene

22.631min (+ 0.003) 0.23 ng/u1

response 9704

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 28.10  | 35.63  |
| 125.00 | 8.90   | 18.27# |
| 0.00   | 0.00   | 0.00   |

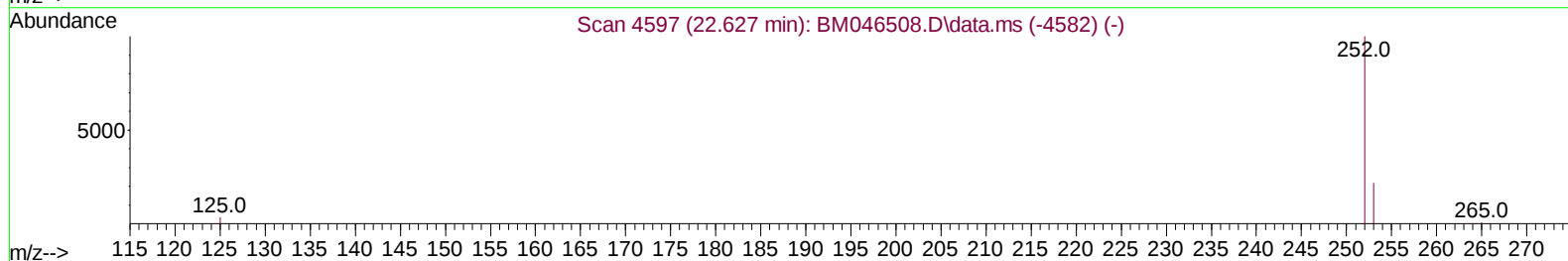
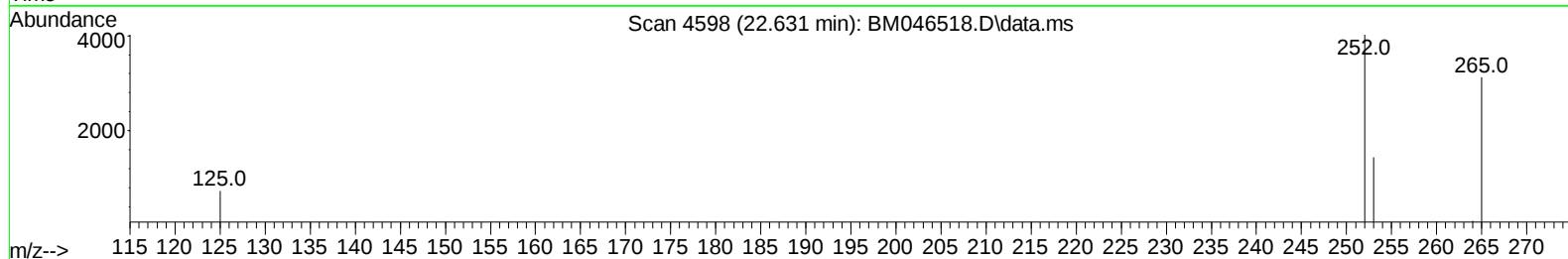
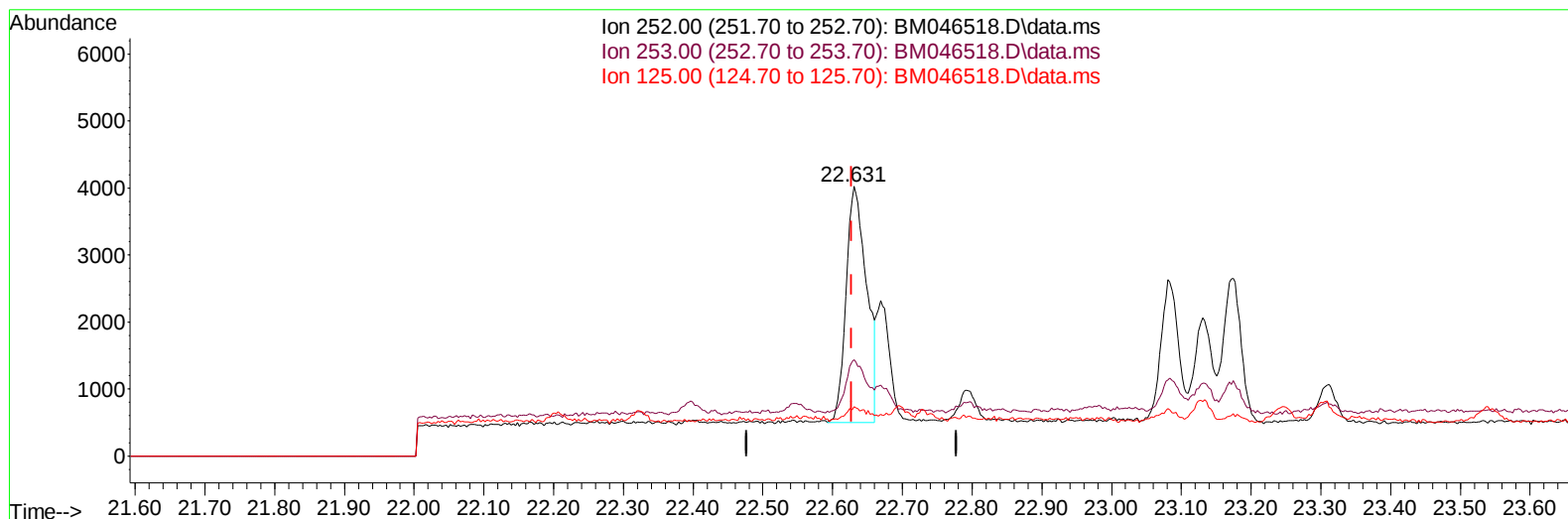
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071124\  
Data File : BM046518.D  
Acq On : 11 Jul 2024 15:22  
Operator : MA/JU  
Sample : P3035-17  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CX5

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/12/2024  
Supervised By :mohammad ahmed 07/13/2024

Quant Time: Jul 12 04:21:36 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071024.M  
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TIC: BM046518.D\data.ms

## (24) Benzo(b)fluoranthene

22.631min (+ 0.003) 0.17 ng/u1 m

response 7204

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 28.10  | 35.63  |
| 125.00 | 8.90   | 18.27# |
| 0.00   | 0.00   | 0.00   |

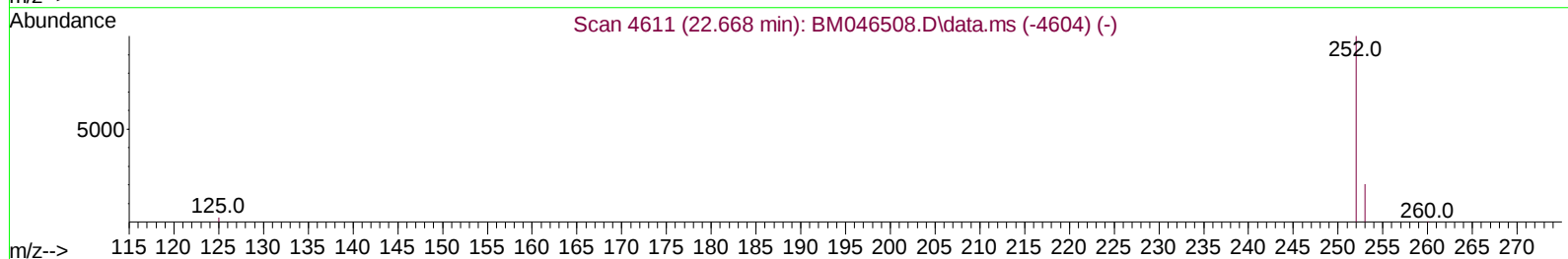
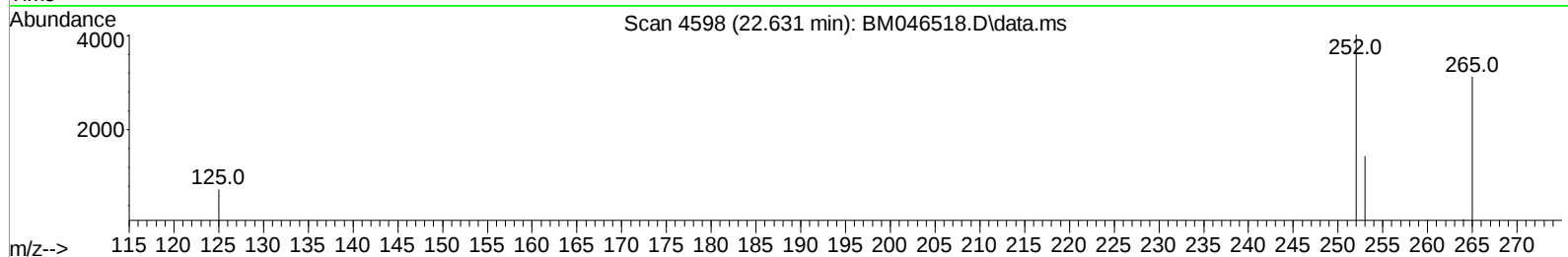
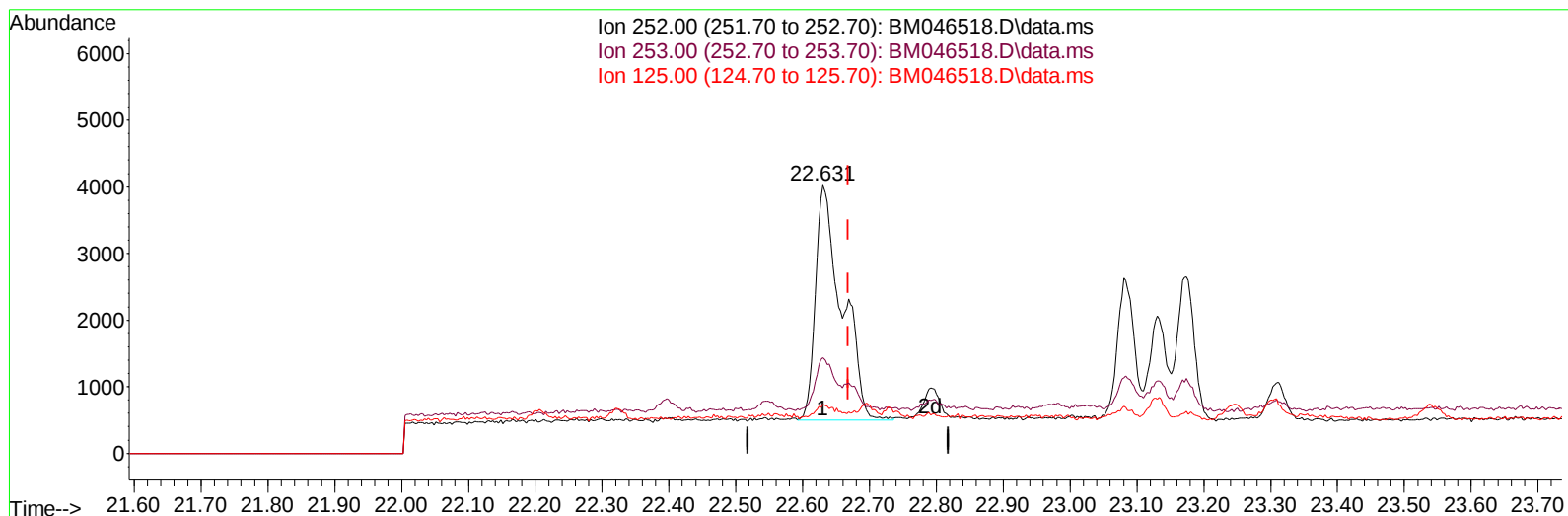
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071124\  
Data File : BM046518.D  
Acq On : 11 Jul 2024 15:22  
Operator : MA/JU  
Sample : P3035-17  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CX5

Manual IntegrationsAPPROVED

Quant Time: Jul 12 04:21:36 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071024.M  
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TIC: BM046518.D\data.ms

(25) Benzo(k)fluoranthene

22.631min (-0.038) 0.24 ng/u1

response 9665

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 28.00  | 35.63# |
| 125.00 | 8.70   | 18.27# |
| 0.00   | 0.00   | 0.00   |

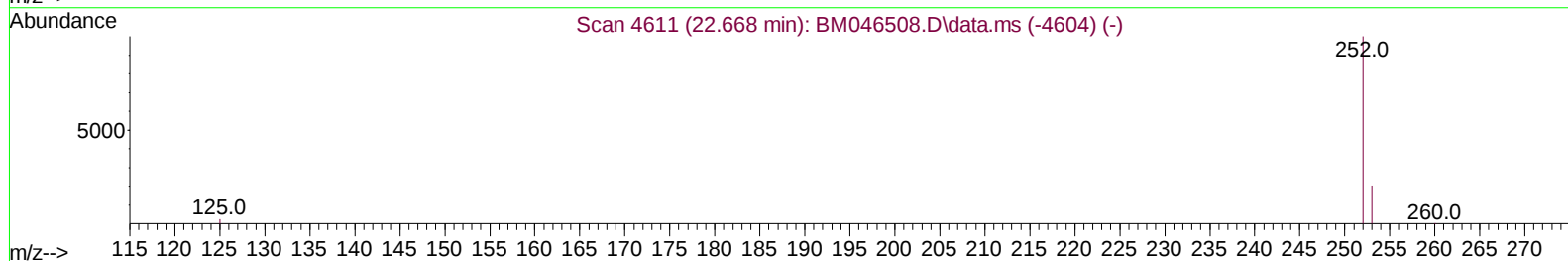
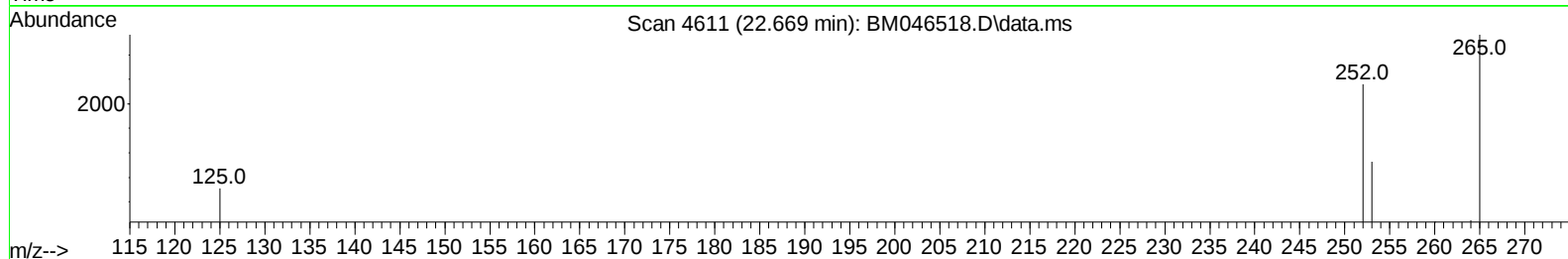
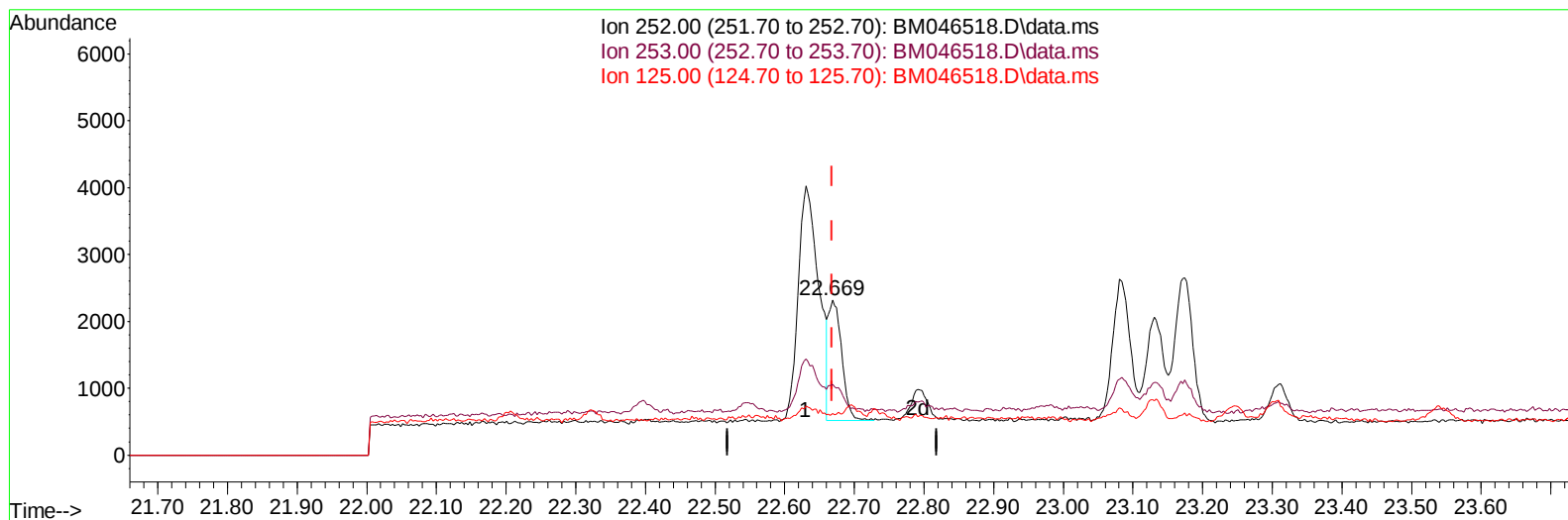
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071124\  
Data File : BM046518.D  
Acq On : 11 Jul 2024 15:22  
Operator : MA/JU  
Sample : P3035-17  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4CX5

Manual IntegrationsAPPROVED

Quant Time: Jul 12 04:21:36 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 : Fri Jul 12 04:18:37 2024  
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Reviewed By :Jagrut Upadhyay 07/12/2024  
Supervised By :mohammad ahmed 07/13/2024



TIC: BM046518.D\data.ms

(25) Benzo(k)fluoranthene

22.669min (+ 0.000) 0.06 ng/u1 m

response 2387

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 28.00  | 45.46# |
| 125.00 | 8.70   | 26.69# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071124\  
 Data File : BM046518.D  
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 Operator : MA/JU  
 Sample : P3035-17  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4CX5

## Manual IntegrationsAPPROVED

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 QLast Update : Fri Jul 12 04:18:37 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | Q   | Ion | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|-----|-----|----------|-------|--------|----------|
| -----                       |        |     |     |          |       |        |          |
| Internal Standards          |        |     |     |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.514  | 152 |     | 2967     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.275 | 136 |     | 7937     | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.158 | 164 |     | 5260     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.908 | 188 |     | 11693m   | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.120 | 240 |     | 9961     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.265 | 264 |     | 10380m   | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |     |     |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.122  | 96  |     | 6850     | 2.810 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.876 | 152 |     | 2676     | 0.209 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.945 | 212 |     | 6773     | 0.223 | ng/ul  | 0.00     |
| Target Compounds            |        |     |     |          |       |        |          |
|                             |        |     |     |          |       |        | Qvalue   |
| 15) Phenanthrene            | 16.950 | 178 |     | 2961     | 0.089 | ng/ul  | 93       |
| 19) Fluoranthene            | 18.978 | 202 |     | 9553     | 0.233 | ng/ul# | 98       |
| 20) Pyrene                  | 19.345 | 202 |     | 7771m    | 0.175 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.102 | 228 |     | 3735     | 0.085 | ng/ul  | 93       |
| 22) Chrysene                | 21.155 | 228 |     | 4806     | 0.113 | ng/ul  | 96       |
| 24) Benzo(b)fluoranthene    | 22.631 | 252 |     | 7204m    | 0.174 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.669 | 252 |     | 2387m    | 0.059 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.174 | 252 |     | 3846     | 0.113 | ng/ul# | 74       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.387 | 276 |     | 3677     | 0.071 | ng/ul# | 100      |
| 28) Dibenzo(a,h)anthracene  | 25.397 | 278 |     | 945      | 0.023 | ng/ul# | 1        |
| 29) Benzo(g,h,i)perylene    | 26.031 | 276 |     | 3694     | 0.089 | ng/ul# | 85       |
| -----                       |        |     |     |          |       |        |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071124\  
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Operator : MA/JU  
Sample : P3035-17  
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Instrument :  
BNA\_M  
ClientSampleId :  
A4CX5

## Manual IntegrationsAPPROVED

Quant Time: Jul 12 04:21:36 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 : Fri Jul 12 04:18:37 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024  
Supervised By :mohammad ahmed 07/13/2024

