

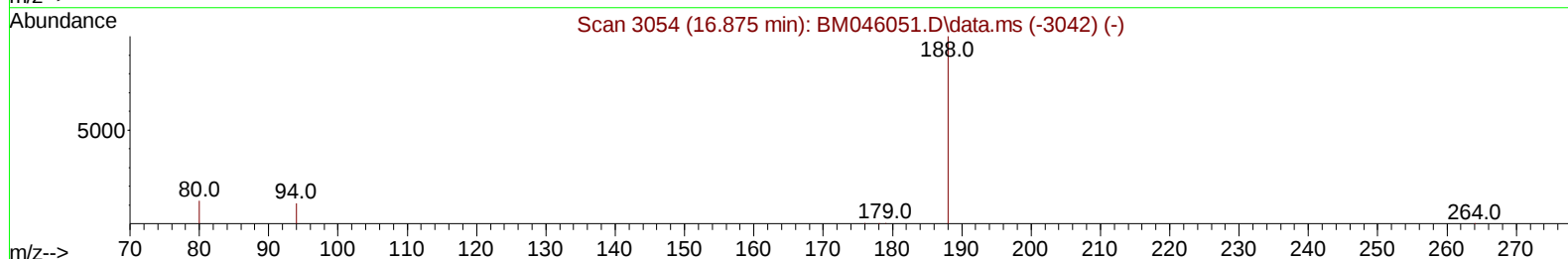
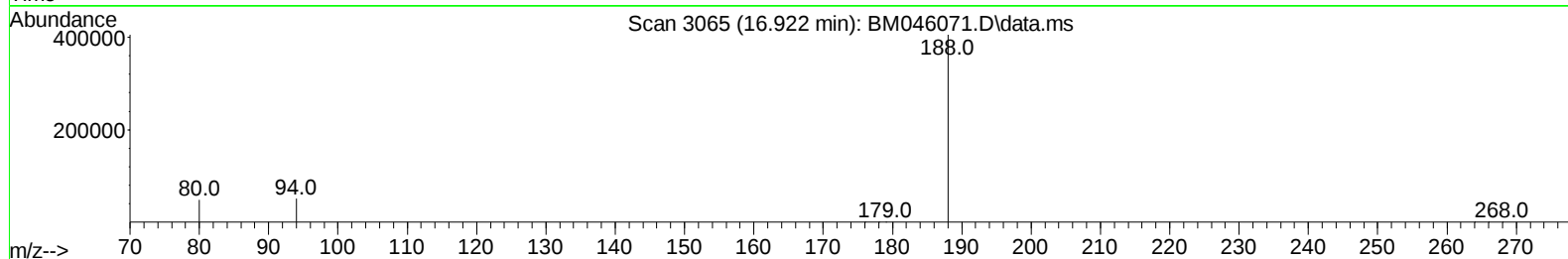
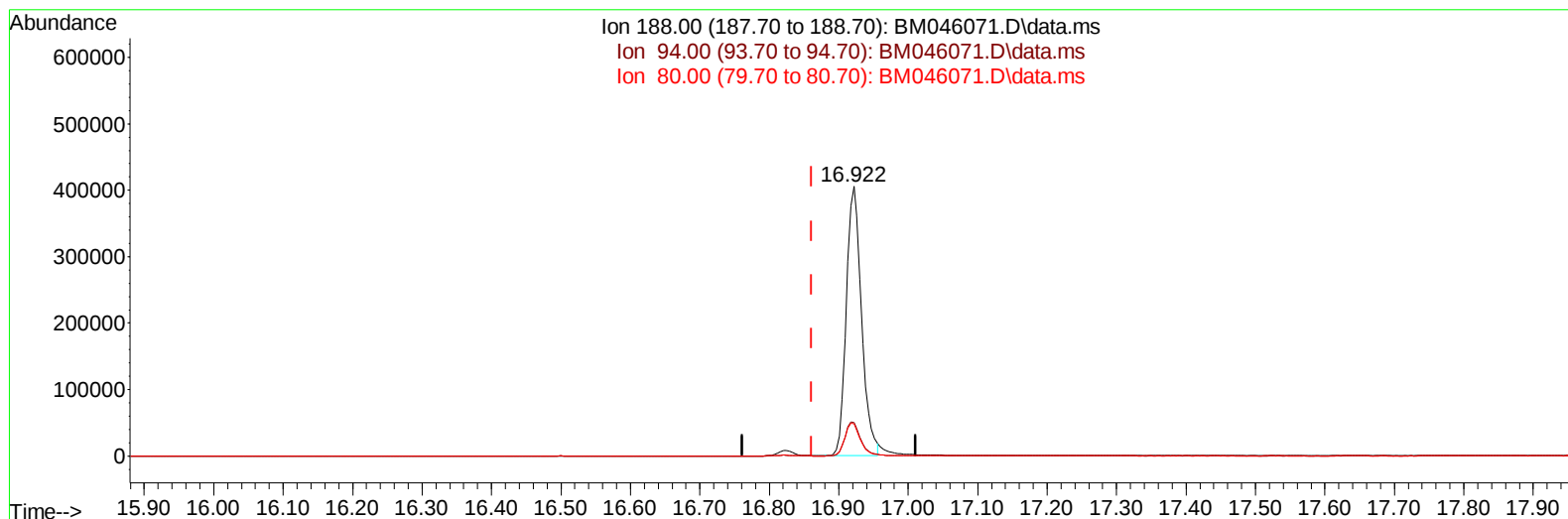
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061824\  
Data File : BM046071.D  
Acq On : 19 Jun 2024 03:54  
Operator : MA/JU  
Sample : P2696-03  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4BK6

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:25:57 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 18 13:58:29 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/19/2024  
Supervised By :mohammad ahmed 06/21/2024



TIC: BM046071.D\data.ms

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

**16.922min (+ 0.060) 0.40 ng/u1**

**response 615129**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 13.80  | 12.43  |
| 80.00  | 15.20  | 11.82# |
| 0.00   | 0.00   | 0.00   |

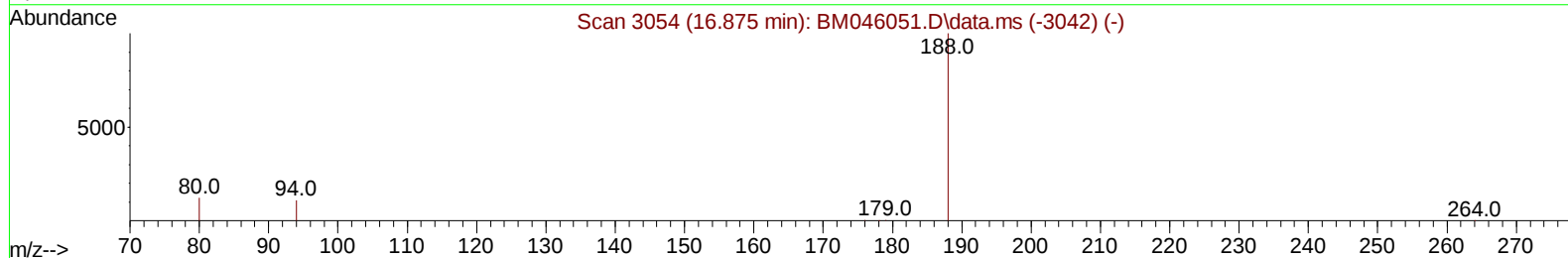
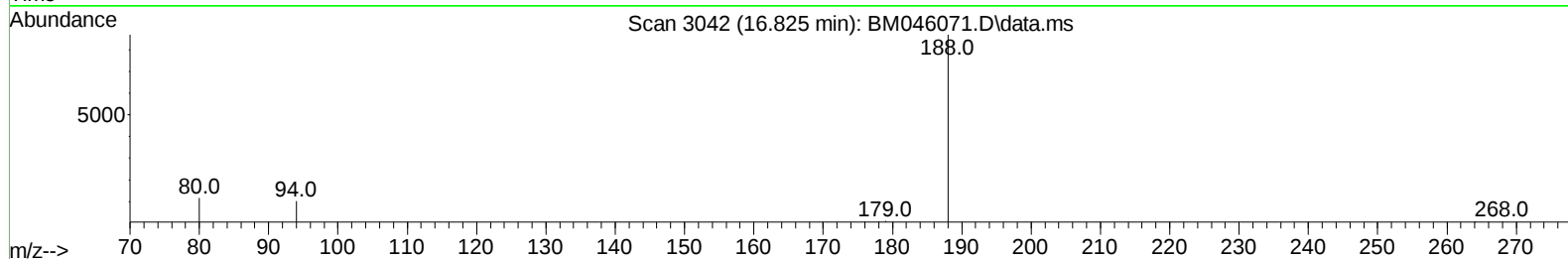
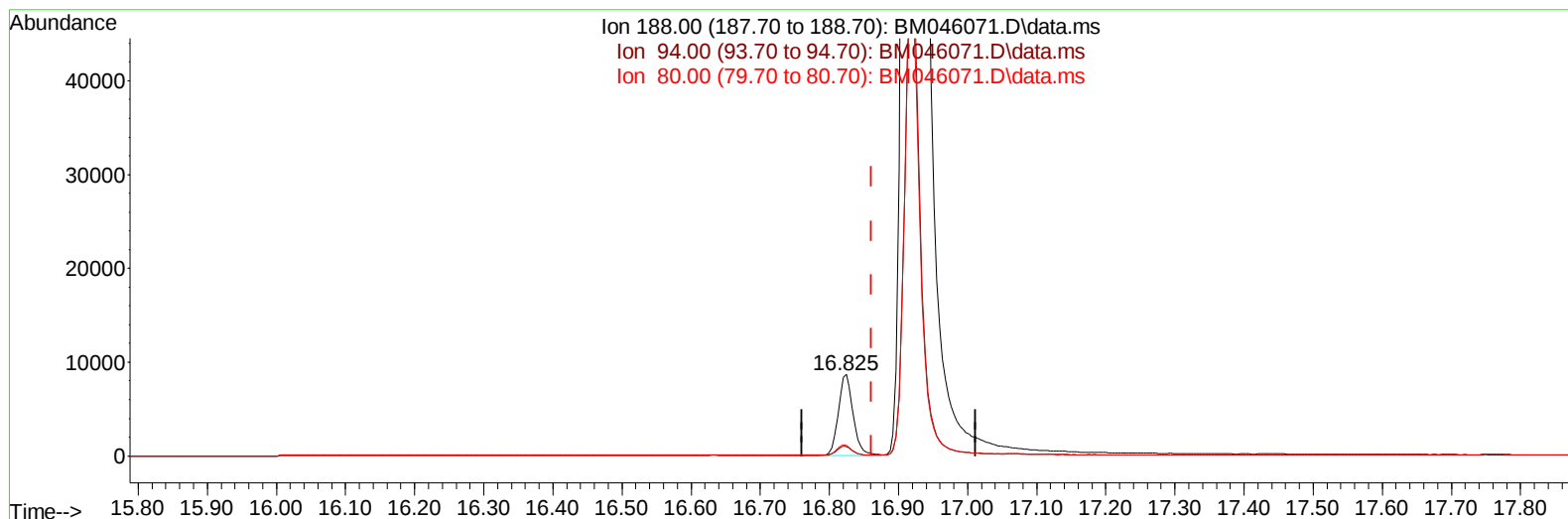
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061824\  
Data File : BM046071.D  
Acq On : 19 Jun 2024 03:54  
Operator : MA/JU  
Sample : P2696-03  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4BK6

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:25:57 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 18 13:58:29 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/19/2024  
Supervised By :mohammad ahmed 06/21/2024



TIC: BM046071.D\data.ms

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

**16.825min (-0.037) 0.40 ng/ul m**

**response 12661**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 13.80  | 11.56  |
| 80.00  | 15.20  | 13.28  |
| 0.00   | 0.00   | 0.00   |

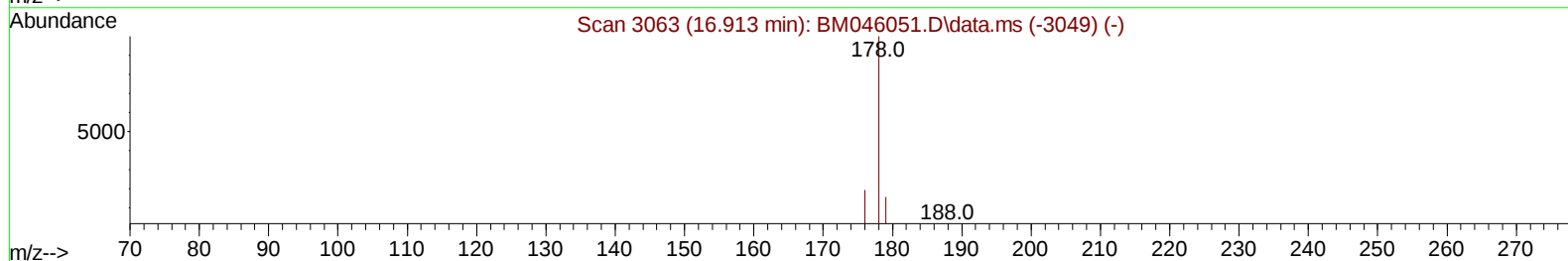
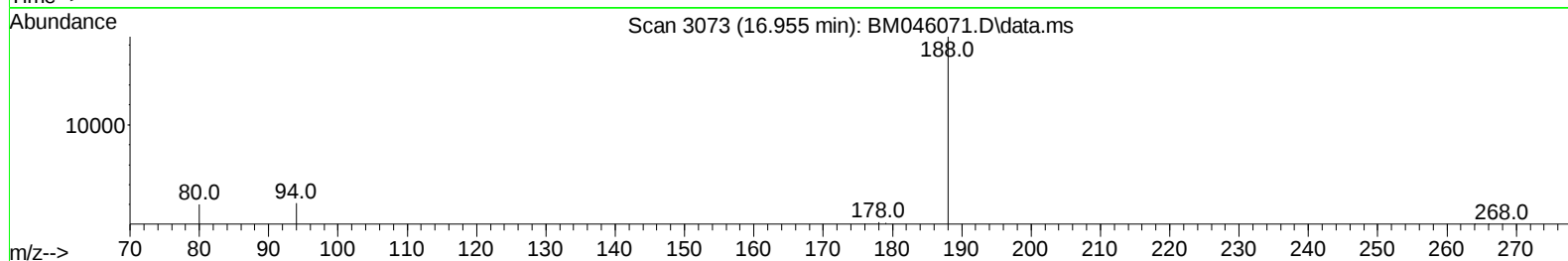
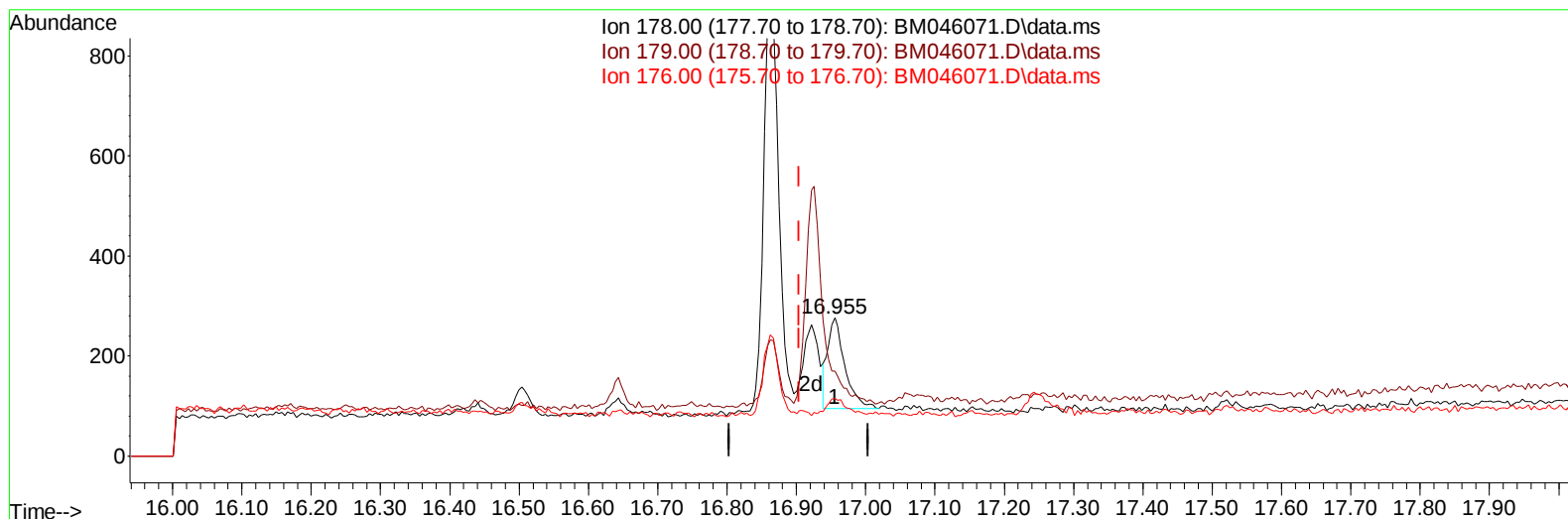
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061824\  
Data File : BM046071.D  
Acq On : 19 Jun 2024 03:54  
Operator : MA/JU  
Sample : P2696-03  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4BK6

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:25:57 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 18 13:58:29 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/19/2024  
Supervised By :mohammad ahmed 06/21/2024



TIC: BM046071.D\data.ms

(15) Phenanthrene

16.955min (+ 0.052) 0.01 ng/u1

response 308

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 179.00 | 17.70  | 61.59# |
| 176.00 | 21.40  | 41.67# |
| 0.00   | 0.00   | 0.00   |

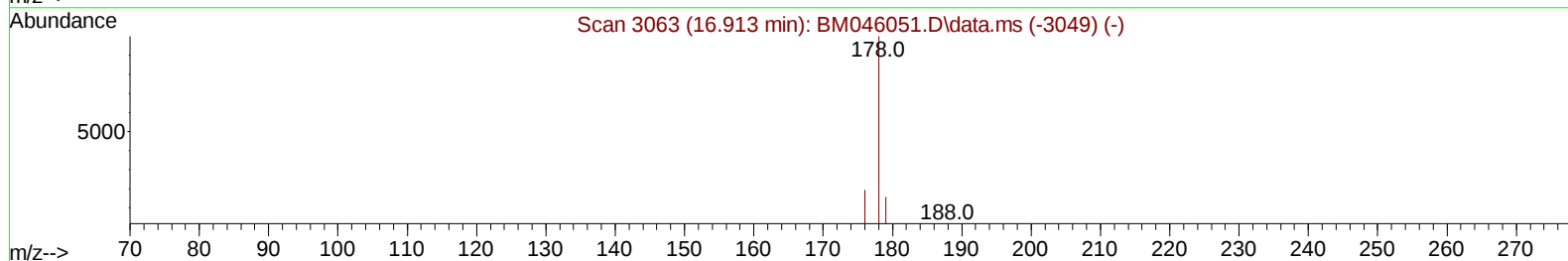
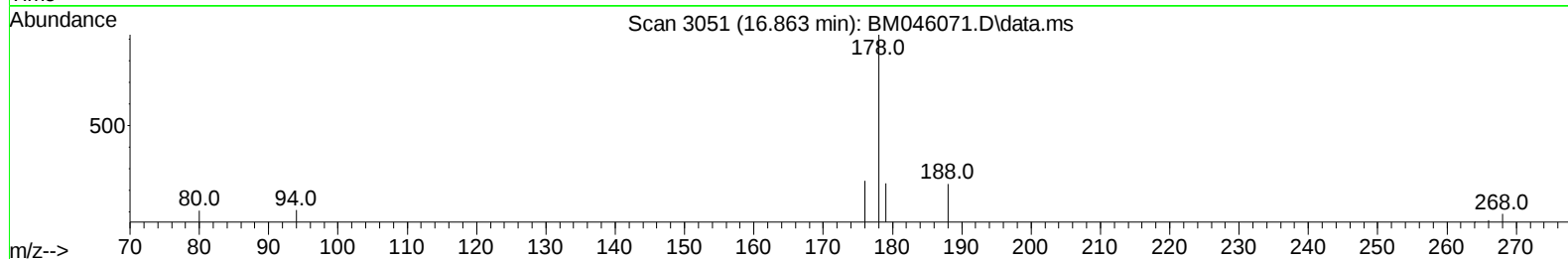
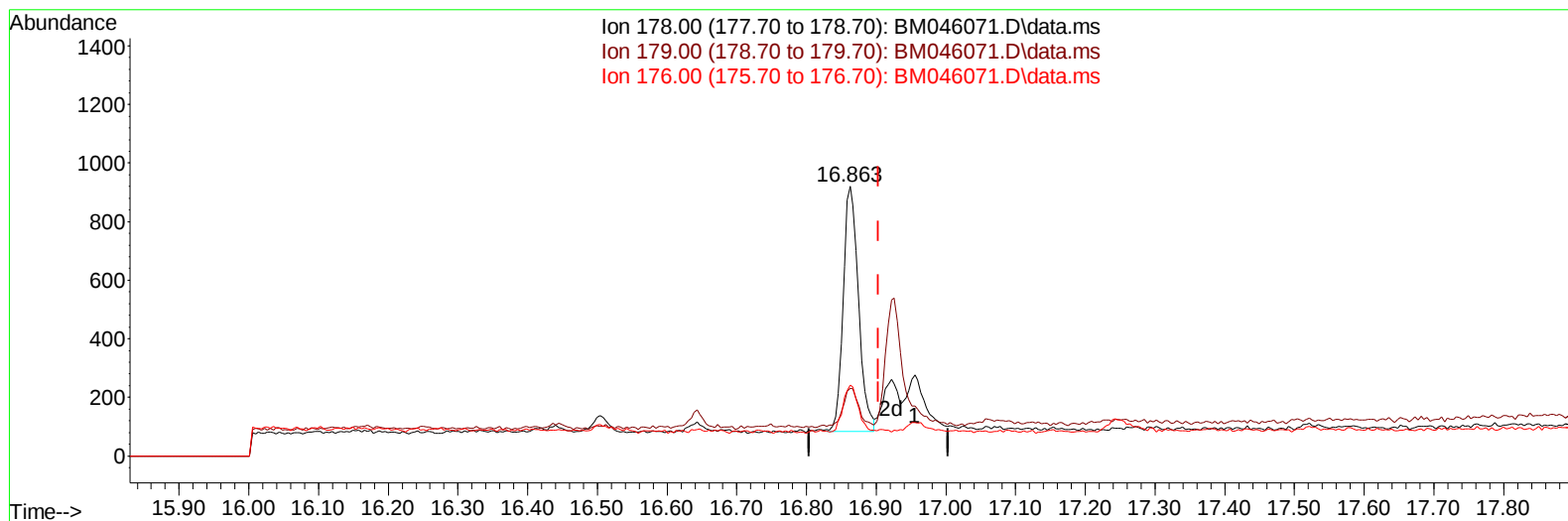
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061824\  
 Data File : BM046071.D  
 Acq On : 19 Jun 2024 03:54  
 Operator : MA/JU  
 Sample : P2696-03  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4BK6

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:25:57 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 18 13:58:29 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/19/2024  
 Supervised By :mohammad ahmed 06/21/2024



TIC: BM046071.D\data.ms

(15) Phenanthrene

16.863min (-0.041) 0.04 ng/ul m

response 1280

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 179.00 | 17.70  | 25.22# |
| 176.00 | 21.40  | 26.30# |
| 0.00   | 0.00   | 0.00   |

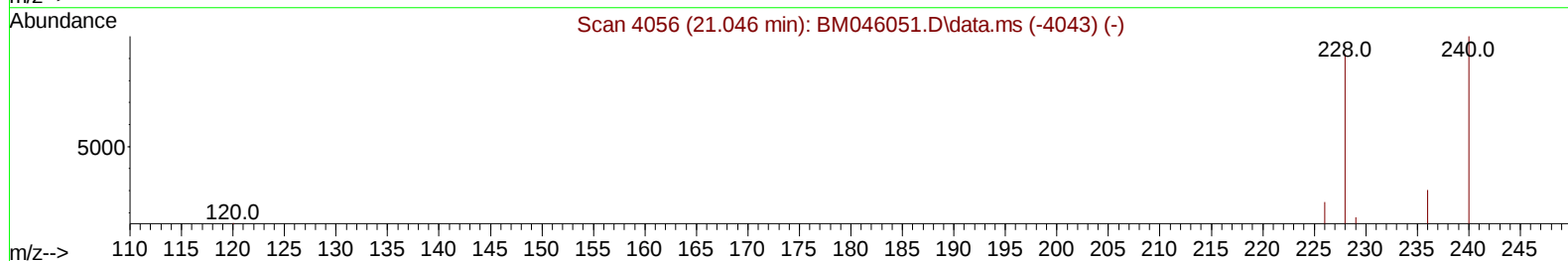
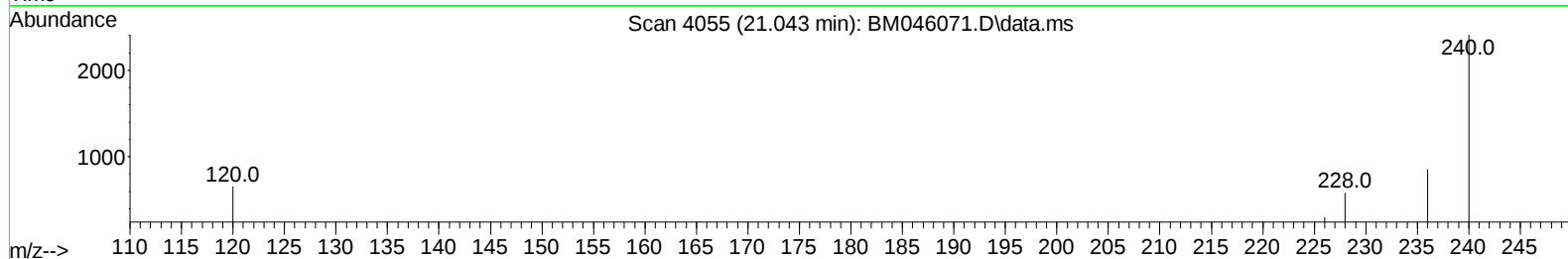
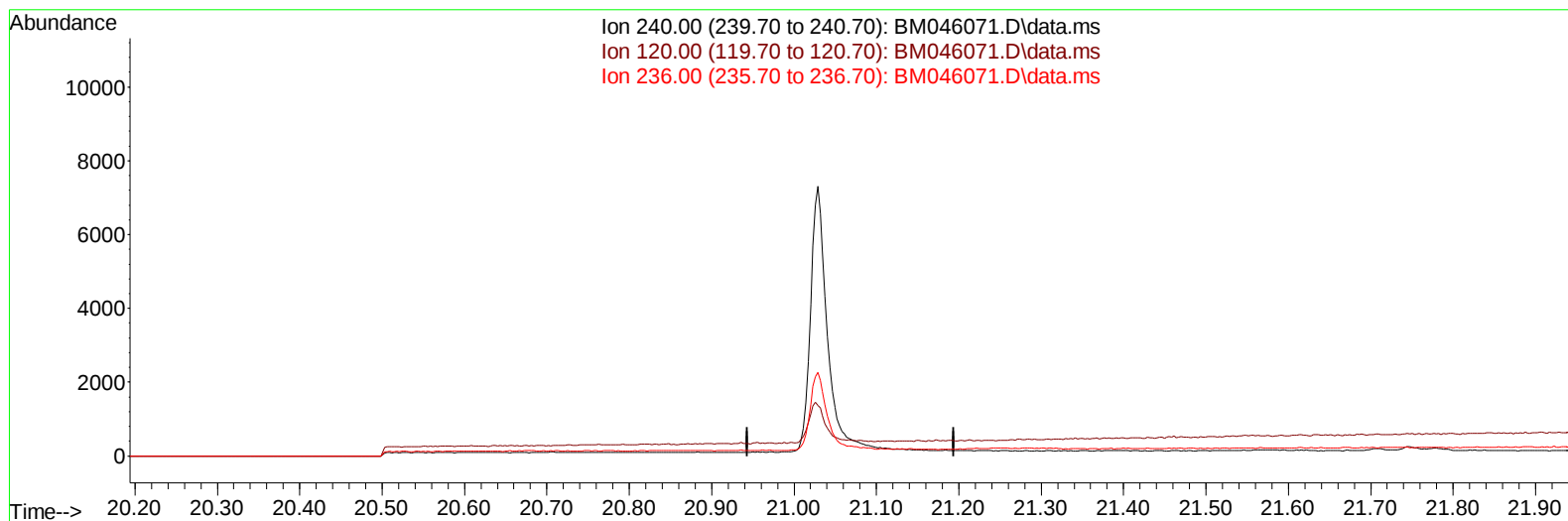
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061824\  
Data File : BM046071.D  
Acq On : 19 Jun 2024 03:54  
Operator : MA/JU  
Sample : P2696-03  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4BK6

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:25:57 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 18 13:58:29 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/19/2024  
Supervised By :mohammad ahmed 06/21/2024



TIC: BM046071.D\data.ms

(17) Chrysene-d12

21.044min (-21.044) 0.00 ng/u1

response 0

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 240.00 | 100.00 | 0.00  |
| 120.00 | 23.50  | 0.00# |
| 236.00 | 33.60  | 0.00# |
| 0.00   | 0.00   | 0.00  |

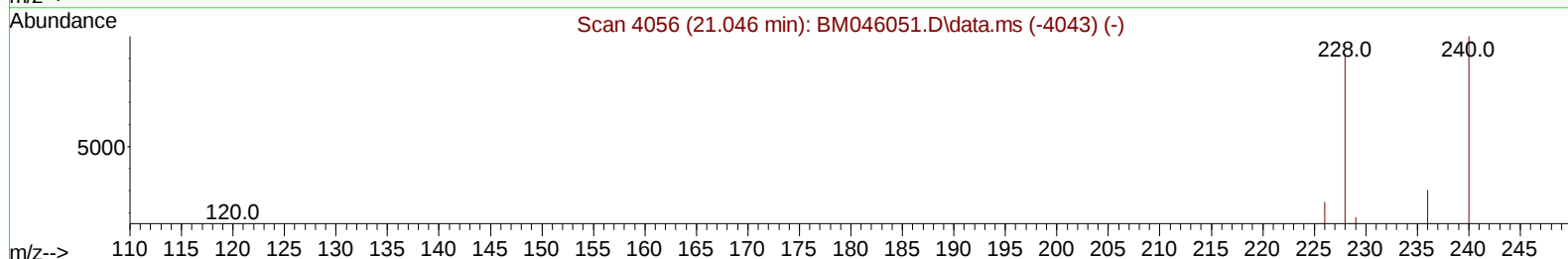
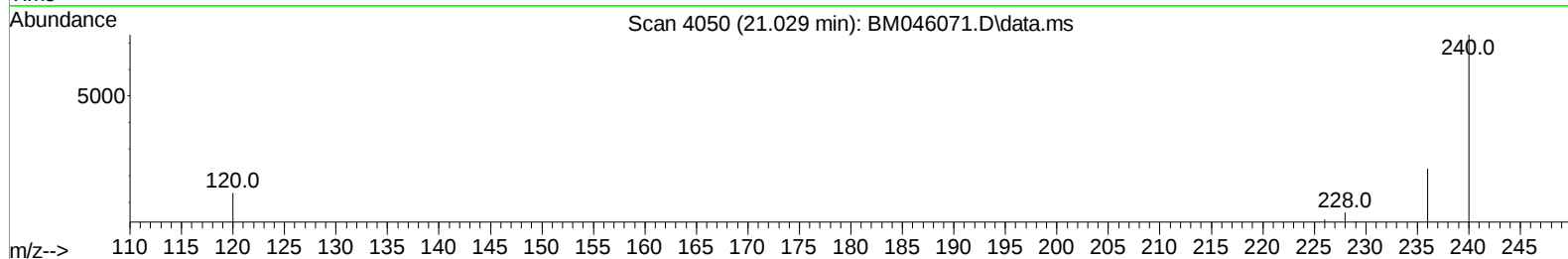
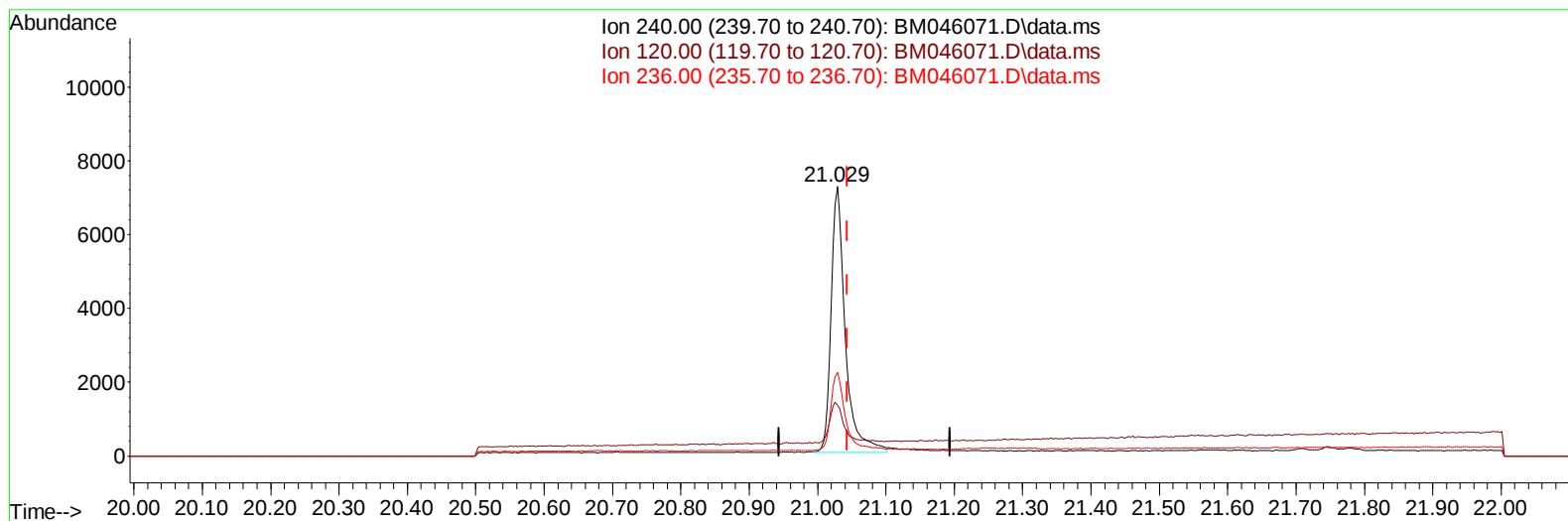
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061824\  
Data File : BM046071.D  
Acq On : 19 Jun 2024 03:54  
Operator : MA/JU  
Sample : P2696-03  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4BK6

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 06/19/2024  
Supervised By :mohammad ahmed 06/21/2024

Quant Time: Jun 19 08:25:57 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 18 13:58:29 2024  
Response via : Initial Calibration



TIC: BM046071.D\data.ms

## (17) Chrysene-d12

21.029min (-0.015) 0.40 ng/u1 m

response 10382

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 240.00 | 100.00 | 100.00 |
| 120.00 | 23.50  | 18.72# |
| 236.00 | 33.60  | 31.11  |
| 0.00   | 0.00   | 0.00   |

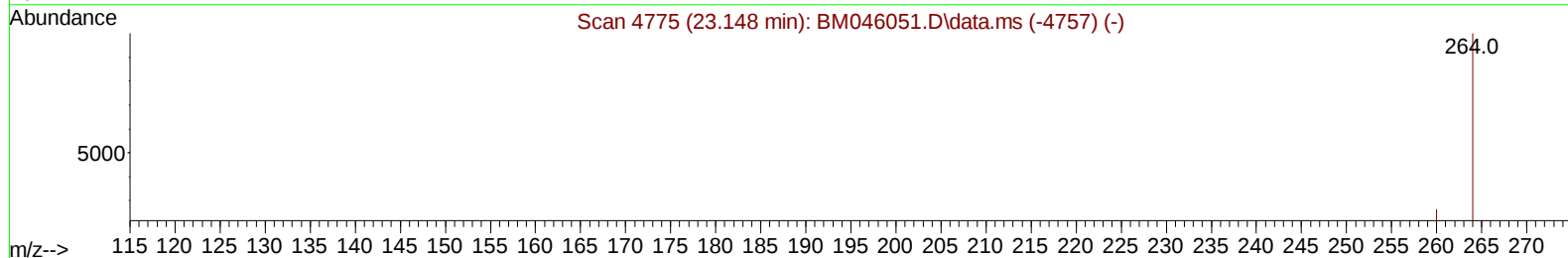
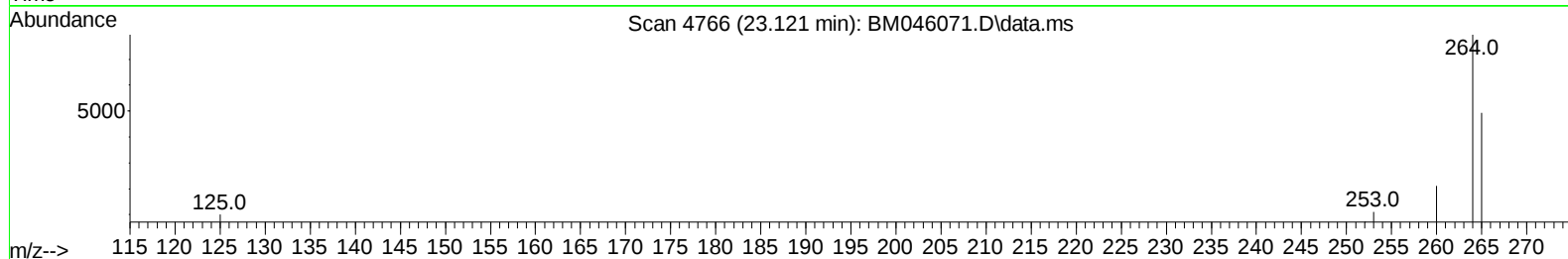
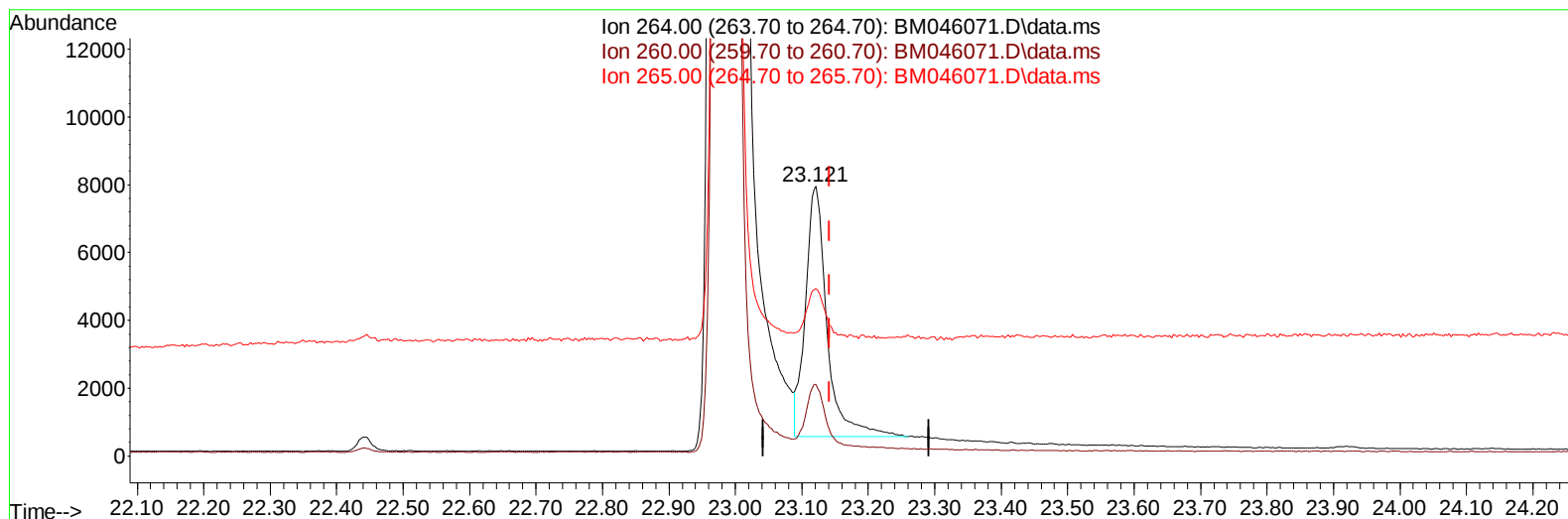
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061824\  
Data File : BM046071.D  
Acq On : 19 Jun 2024 03:54  
Operator : MA/JU  
Sample : P2696-03  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4BK6

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:25:57 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 18 13:58:29 2024  
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Supervised By :mohammad ahmed 06/21/2024



TIC: BM046071.D\data.ms

(23) Perylene-d12 (I)

23.121min (-0.021) 0.40 ng/u1

response 16774

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 28.20  | 26.44  |
| 265.00 | 110.60 | 62.08# |
| 0.00   | 0.00   | 0.00   |

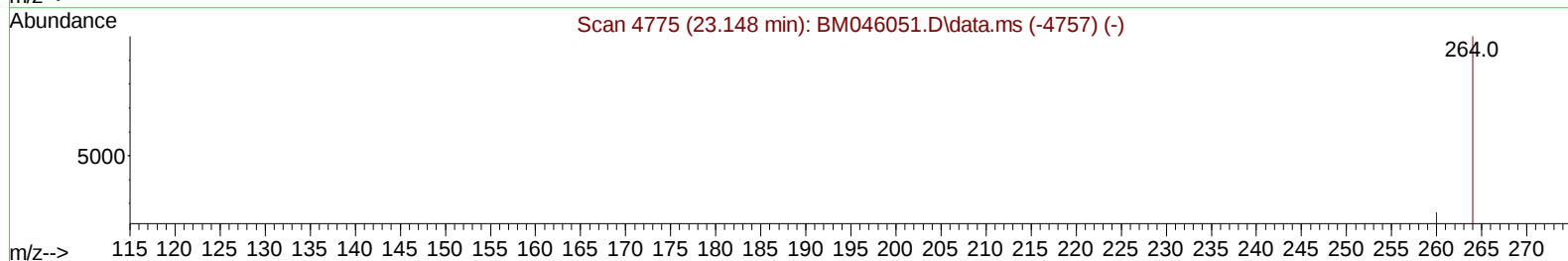
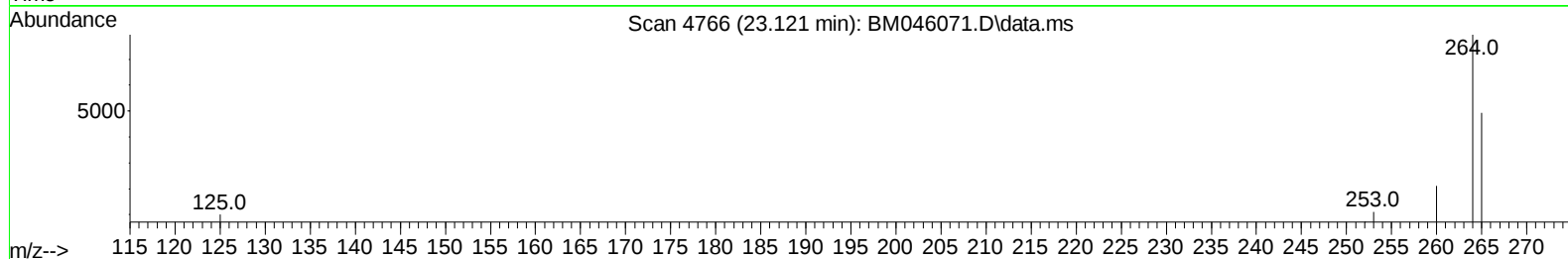
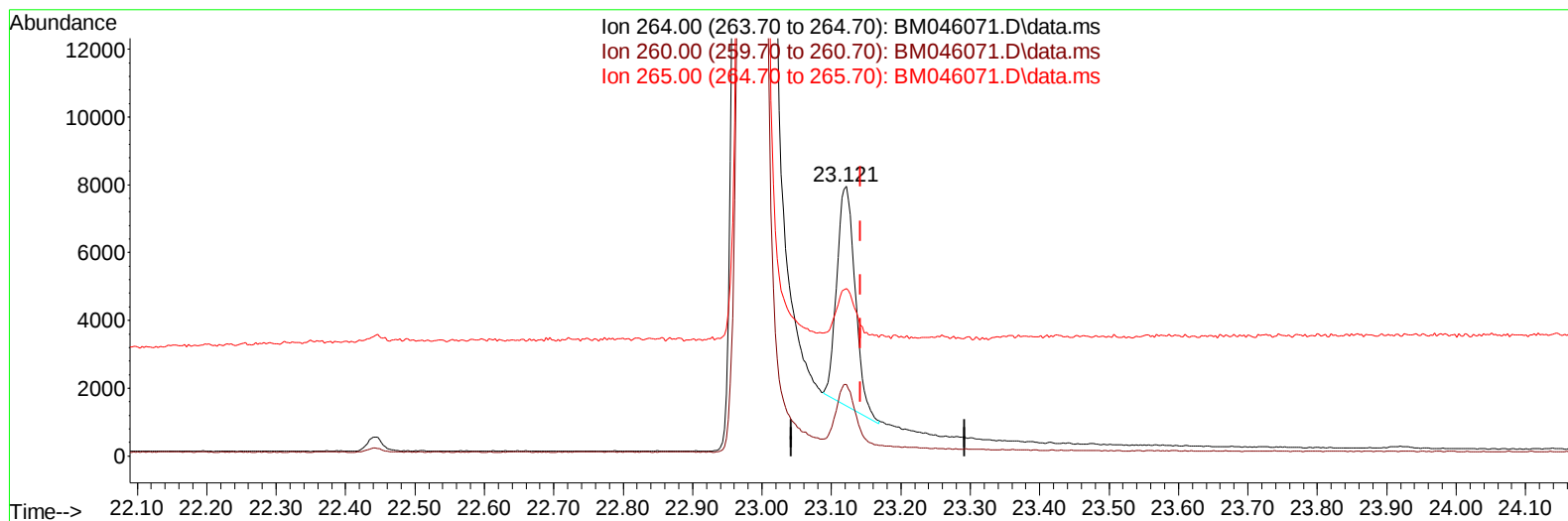
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061824\  
Data File : BM046071.D  
Acq On : 19 Jun 2024 03:54  
Operator : MA/JU  
Sample : P2696-03  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4BK6

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:25:57 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 18 13:58:29 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/19/2024  
Supervised By :mohammad ahmed 06/21/2024



TIC: BM046071.D\data.ms

(23) Perylene-d12 (I)

23.121min (-0.021) 0.40 ng/ul m

response 11772

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 28.20  | 26.44  |
| 265.00 | 110.60 | 62.08# |
| 0.00   | 0.00   | 0.00   |

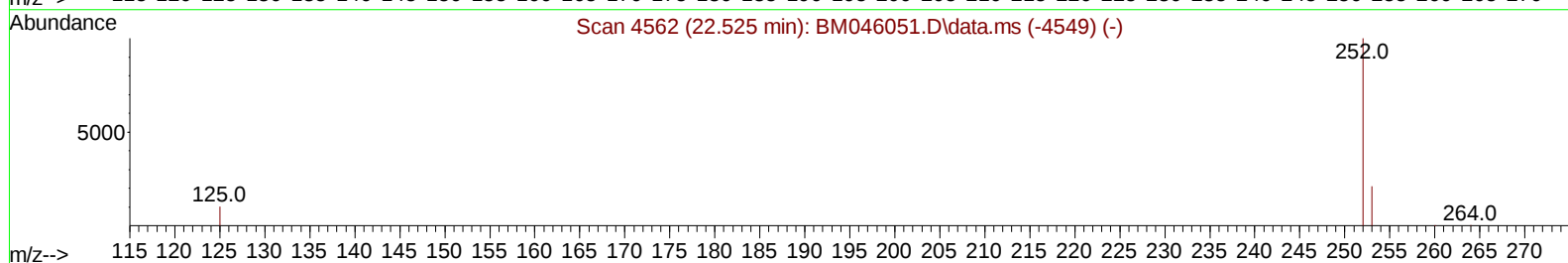
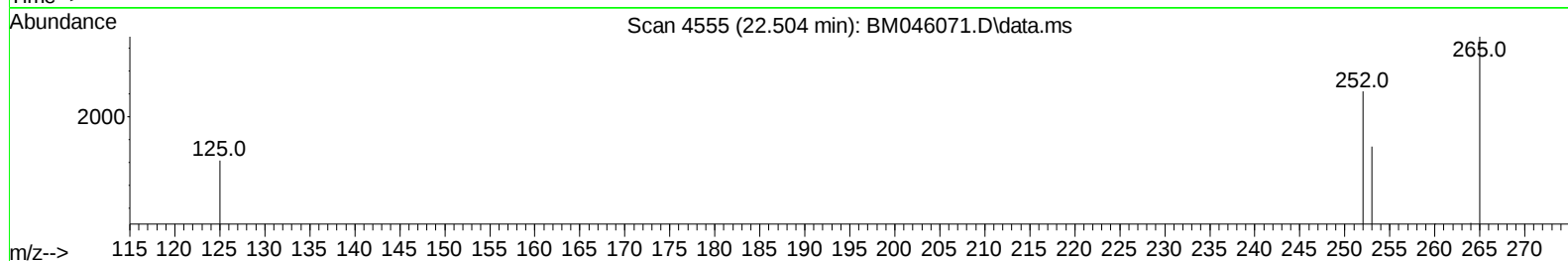
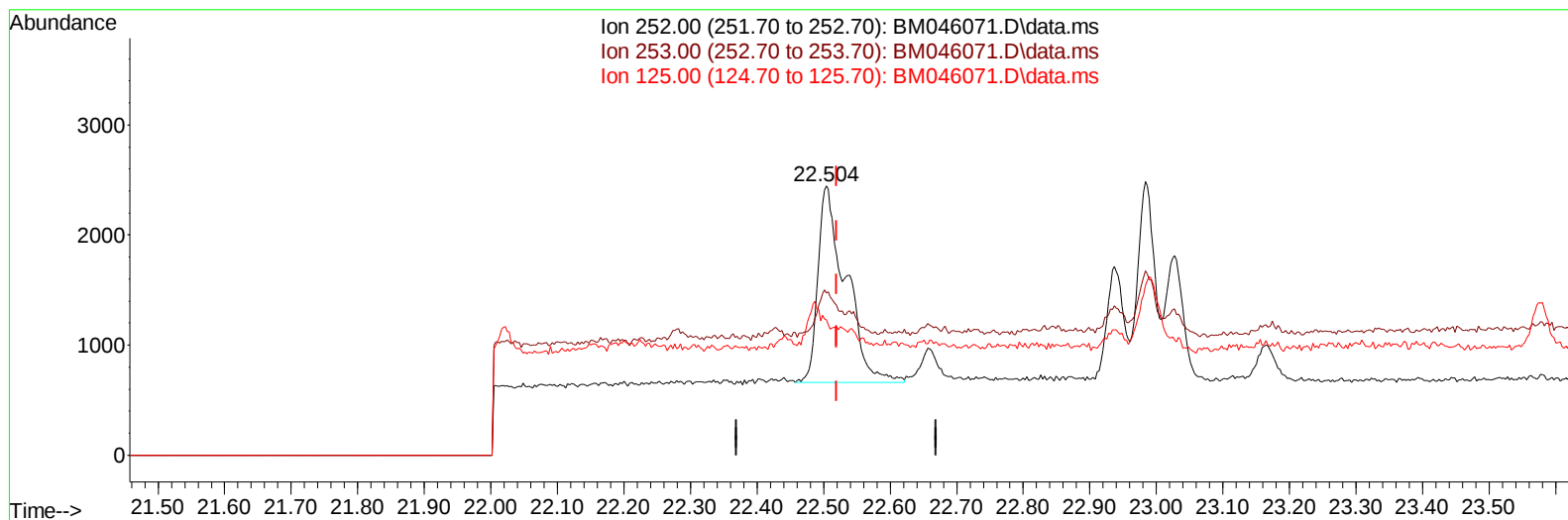
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061824\  
Data File : BM046071.D  
Acq On : 19 Jun 2024 03:54  
Operator : MA/JU  
Sample : P2696-03  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4BK6

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:25:57 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
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TIC: BM046071.D\data.ms

(24) Benzo(b)fluoranthene

22.504min (-0.015) 0.12 ng/u1

response 5174

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 32.90  | 60.35  |
| 125.00 | 20.10  | 50.33# |
| 0.00   | 0.00   | 0.00   |

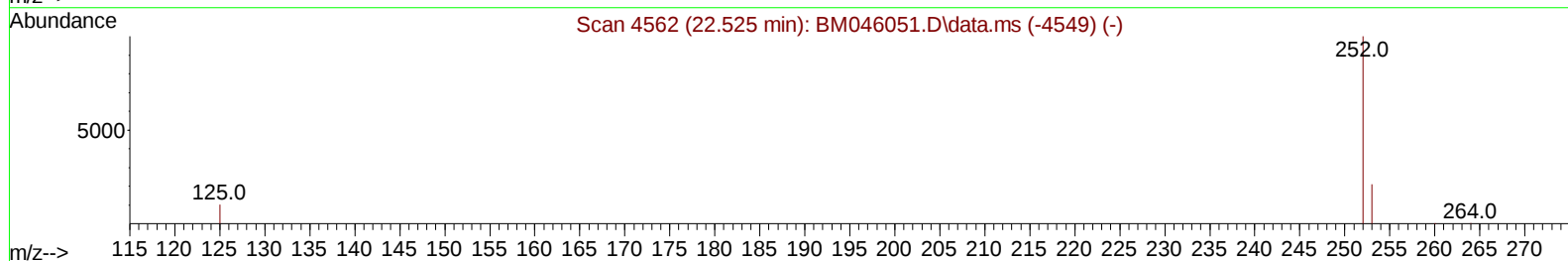
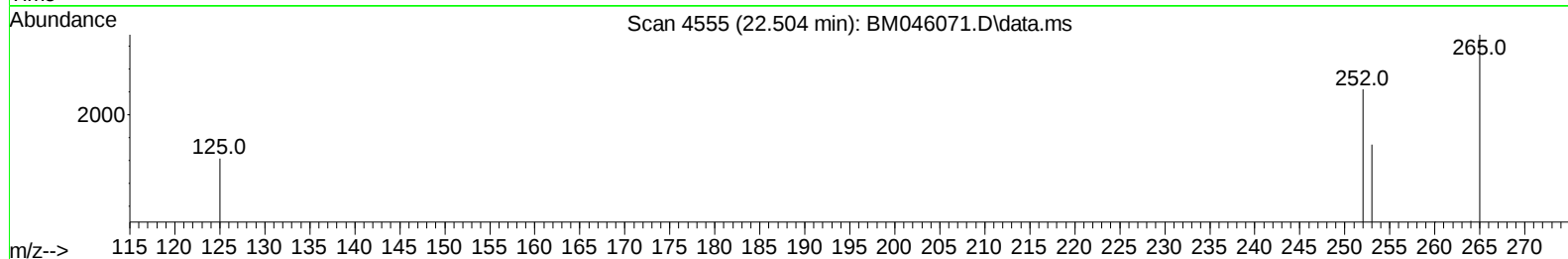
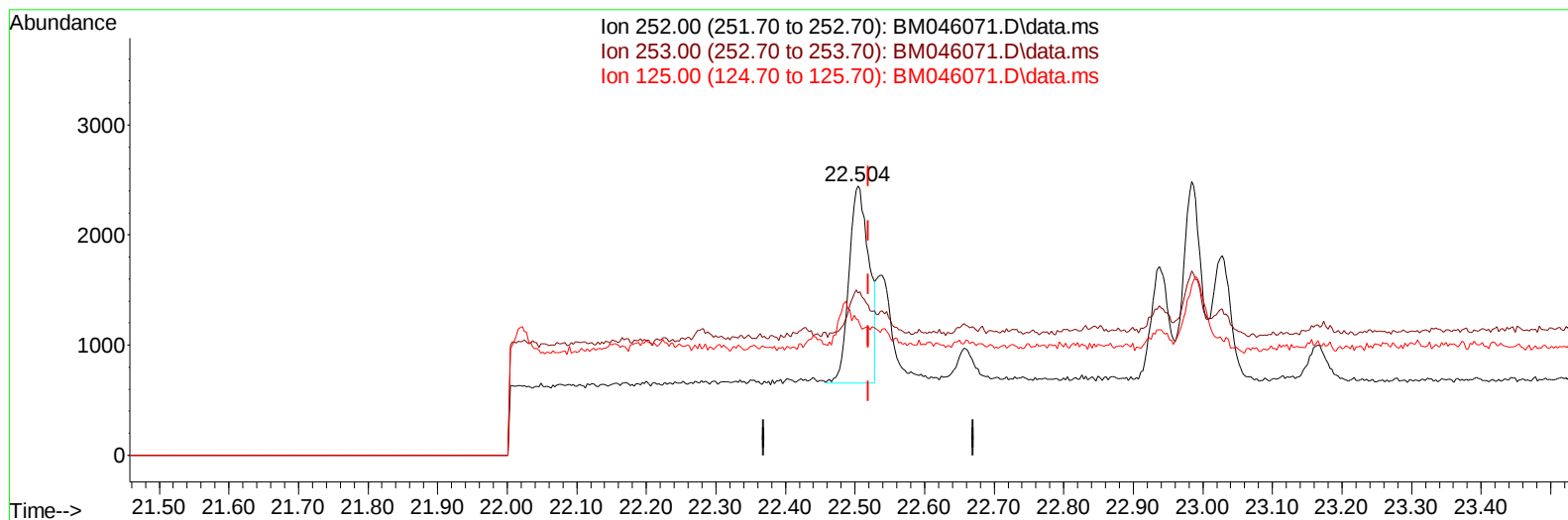
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061824\  
Data File : BM046071.D  
Acq On : 19 Jun 2024 03:54  
Operator : MA/JU  
Sample : P2696-03  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4BK6

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:25:57 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 18 13:58:29 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/19/2024  
Supervised By :mohammad ahmed 06/21/2024



TIC: BM046071.D\data.ms

(24) Benzo(b)fluoranthene

22.504min (-0.015) 0.08 ng/u1 m

response 3547

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 32.90  | 60.35  |
| 125.00 | 20.10  | 50.33# |
| 0.00   | 0.00   | 0.00   |

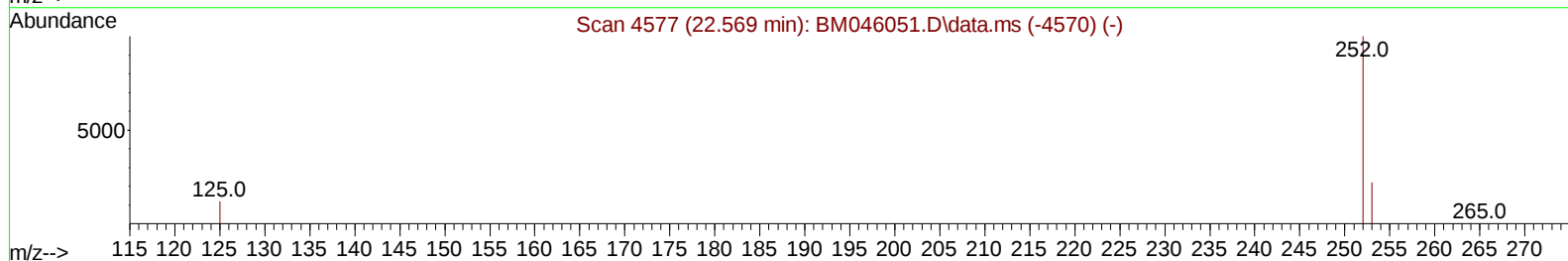
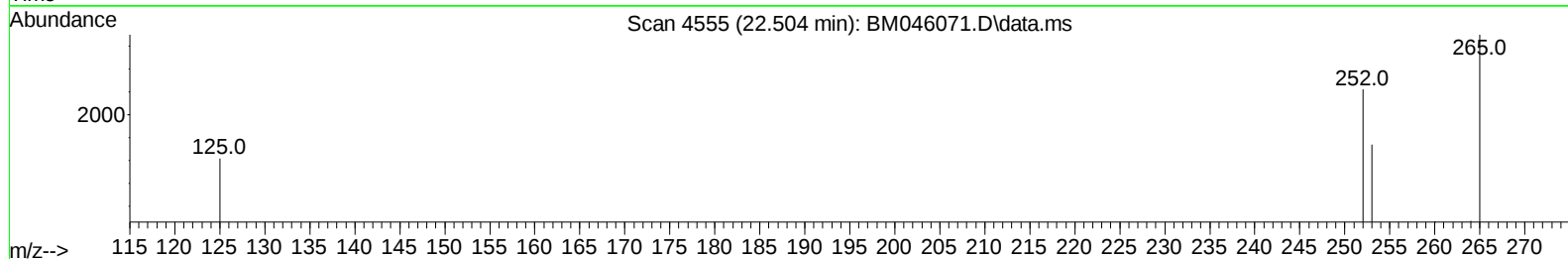
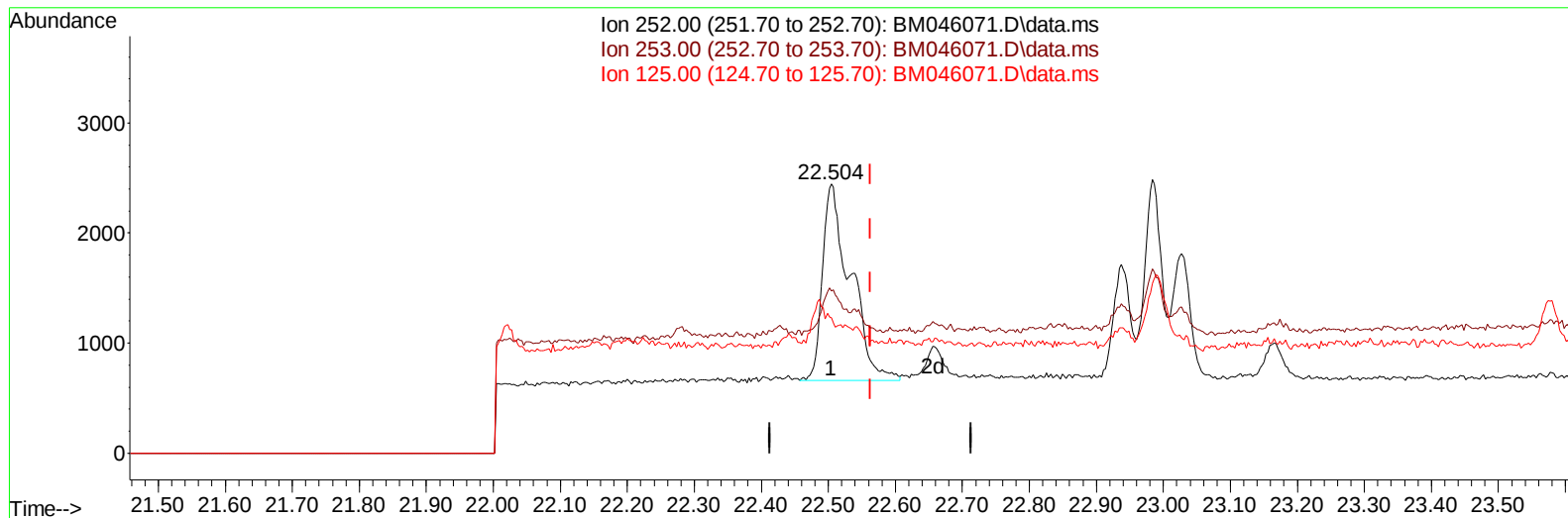
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061824\  
Data File : BM046071.D  
Acq On : 19 Jun 2024 03:54  
Operator : MA/JU  
Sample : P2696-03  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4BK6

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:25:57 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 18 13:58:29 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/19/2024  
Supervised By :mohammad ahmed 06/21/2024



TIC: BM046071.D\data.ms

(25) Benzo(k)fluoranthene

22.504min (-0.059) 0.10 ng/u1

response 5140

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 34.00  | 60.35# |
| 125.00 | 20.80  | 50.33# |
| 0.00   | 0.00   | 0.00   |

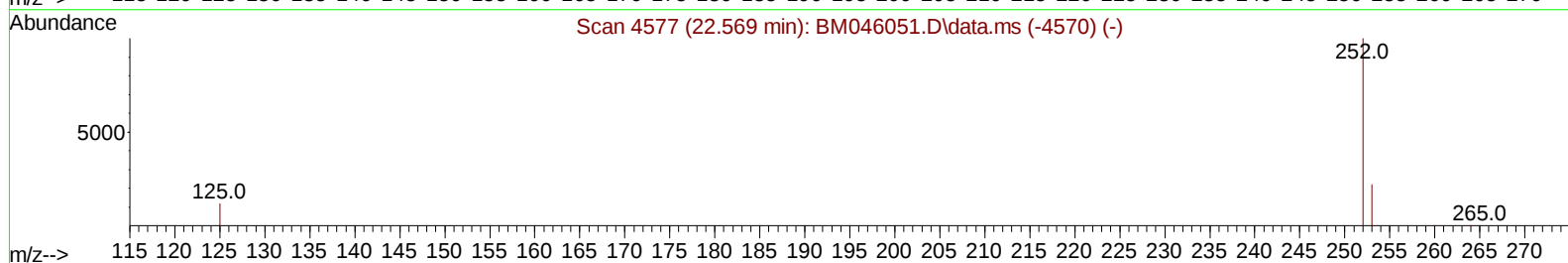
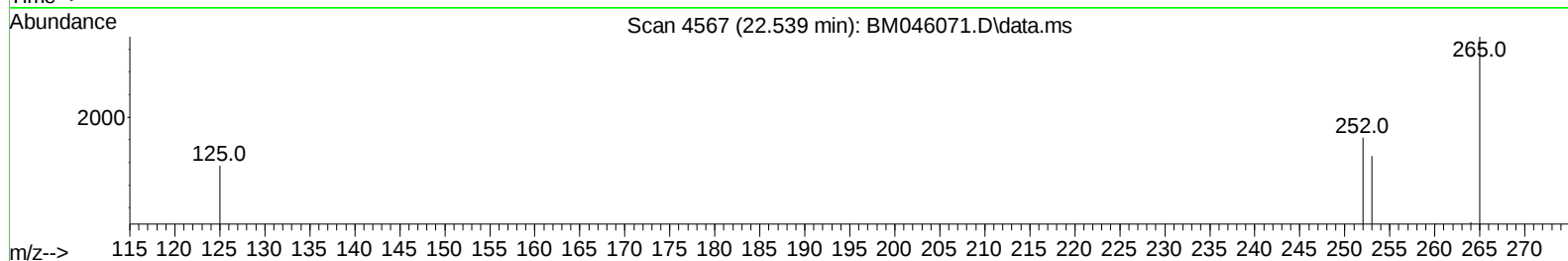
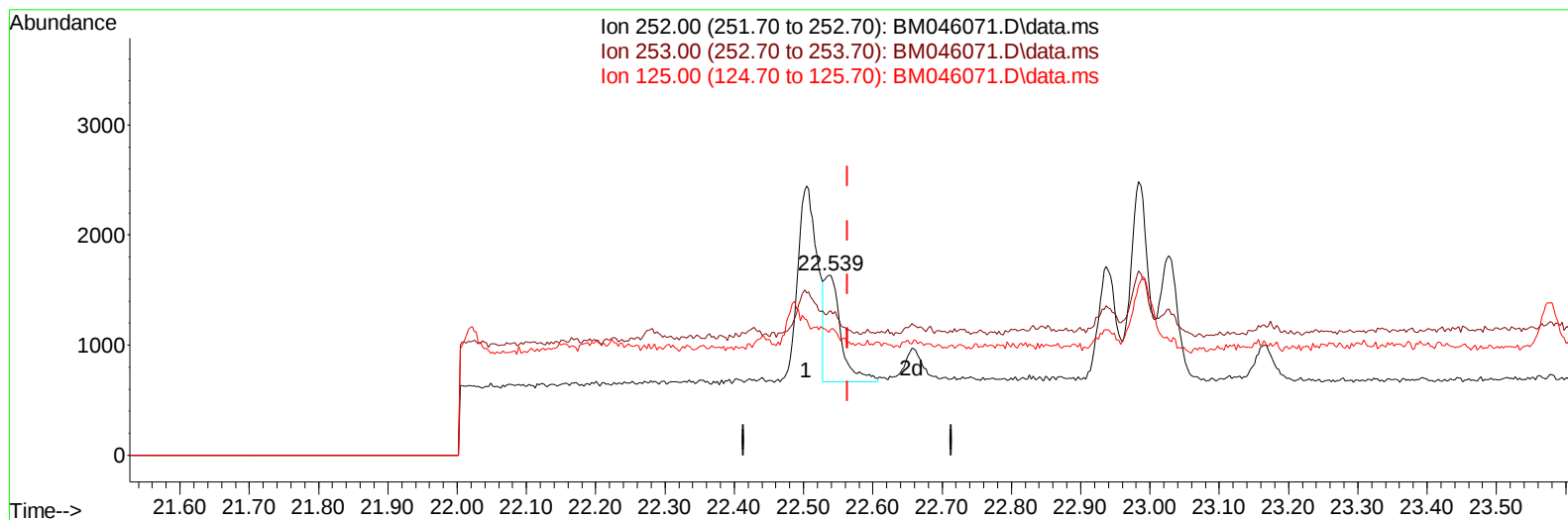
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061824\  
Data File : BM046071.D  
Acq On : 19 Jun 2024 03:54  
Operator : MA/JU  
Sample : P2696-03  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4BK6

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:25:57 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 18 13:58:29 2024  
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Reviewed By :Jagrut Upadhyay 06/19/2024  
Supervised By :mohammad ahmed 06/21/2024



TIC: BM046071.D\data.ms

(25) Benzo(k)fluoranthene

22.539min (-0.024) 0.03 ng/u1 m

response 1591

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 34.00  | 80.06# |
| 125.00 | 20.80  | 70.09# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061824\  
 Data File : BM046071.D  
 Acq On : 19 Jun 2024 03:54  
 Operator : MA/JU  
 Sample : P2696-03  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4BK6

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 06/19/2024  
 Supervised By :mohammad ahmed 06/21/2024

Quant Time: Jun 19 08:25:57 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 18 13:58:29 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | Q   | Ion | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|-----|-----|----------|-------|--------|----------|
| -----                       |        |     |     |          |       |        |          |
| Internal Standards          |        |     |     |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.430  | 152 |     | 4090     | 0.400 | ng/ul  | -0.03    |
| 4) Naphthalene-d8           | 10.205 | 136 |     | 11232    | 0.400 | ng/ul  | #-0.05   |
| 9) Acenaphthene-d10         | 14.081 | 164 |     | 5983     | 0.400 | ng/ul  | -0.03    |
| 13) Phenanthrene-d10        | 16.825 | 188 |     | 12661m   | 0.400 | ng/ul  | -0.04    |
| 17) Chrysene-d12            | 21.029 | 240 |     | 10382m   | 0.400 | ng/ul  | -0.02    |
| 23) Perylene-d12            | 23.121 | 264 |     | 11772m   | 0.400 | ng/ul  | -0.02    |
|                             |        |     |     |          |       |        |          |
| System Monitoring Compounds |        |     |     |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.037  | 96  |     | 15179    | 2.705 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.833 | 152 |     | 3221     | 0.214 | ng/ul  | -0.03    |
| 18) Fluoranthene-d10        | 18.858 | 212 |     | 7770     | 0.250 | ng/ul  | -0.03    |
|                             |        |     |     |          |       |        |          |
| Target Compounds            |        |     |     |          |       |        | Qvalue   |
| 15) Phenanthrene            | 16.863 | 178 |     | 1280m    | 0.036 | ng/ul  |          |
| 19) Fluoranthene            | 18.886 | 202 |     | 4323     | 0.096 | ng/ul# | 94       |
| 20) Pyrene                  | 19.248 | 202 |     | 3762     | 0.077 | ng/ul# | 80       |
| 21) Benzo(a)anthracene      | 21.014 | 228 |     | 2168     | 0.054 | ng/ul# | 85       |
| 22) Chrysene                | 21.064 | 228 |     | 2326     | 0.045 | ng/ul# | 86       |
| 24) Benzo(b)fluoranthene    | 22.504 | 252 |     | 3547m    | 0.084 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.539 | 252 |     | 1591m    | 0.032 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.028 | 252 |     | 2046     | 0.052 | ng/ul# | 44       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.185 | 276 |     | 2104     | 0.033 | ng/ul# | 99       |
| 29) Benzo(g,h,i)perylene    | 25.806 | 276 |     | 2195     | 0.040 | ng/ul# | 59       |
| -----                       |        |     |     |          |       |        |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061824\  
Data File : BM046071.D  
Acq On : 19 Jun 2024 03:54  
Operator : MA/JU  
Sample : P2696-03  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4BK6

## Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:25:57 2024  
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Reviewed By :Jagrut Upadhyay 06/19/2024  
Supervised By :mohammad ahmed 06/21/2024

