

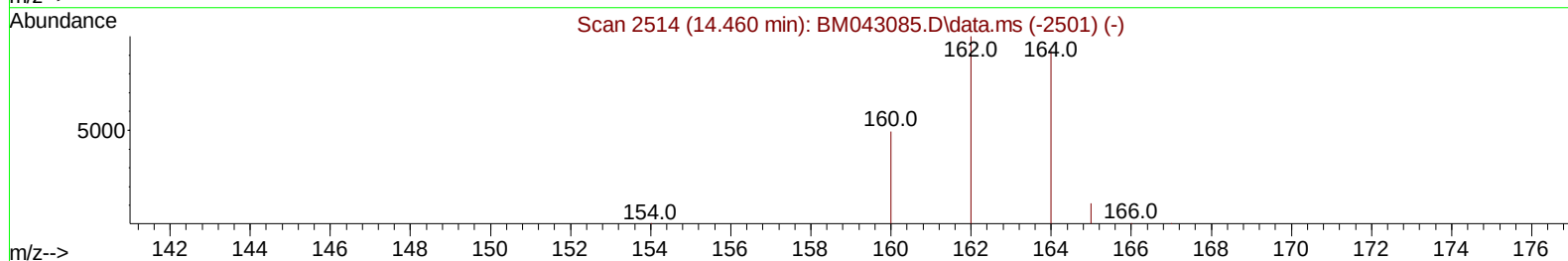
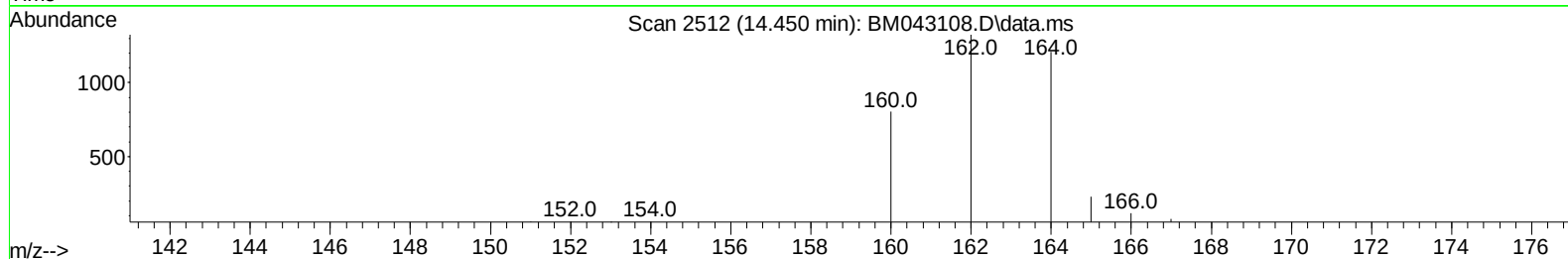
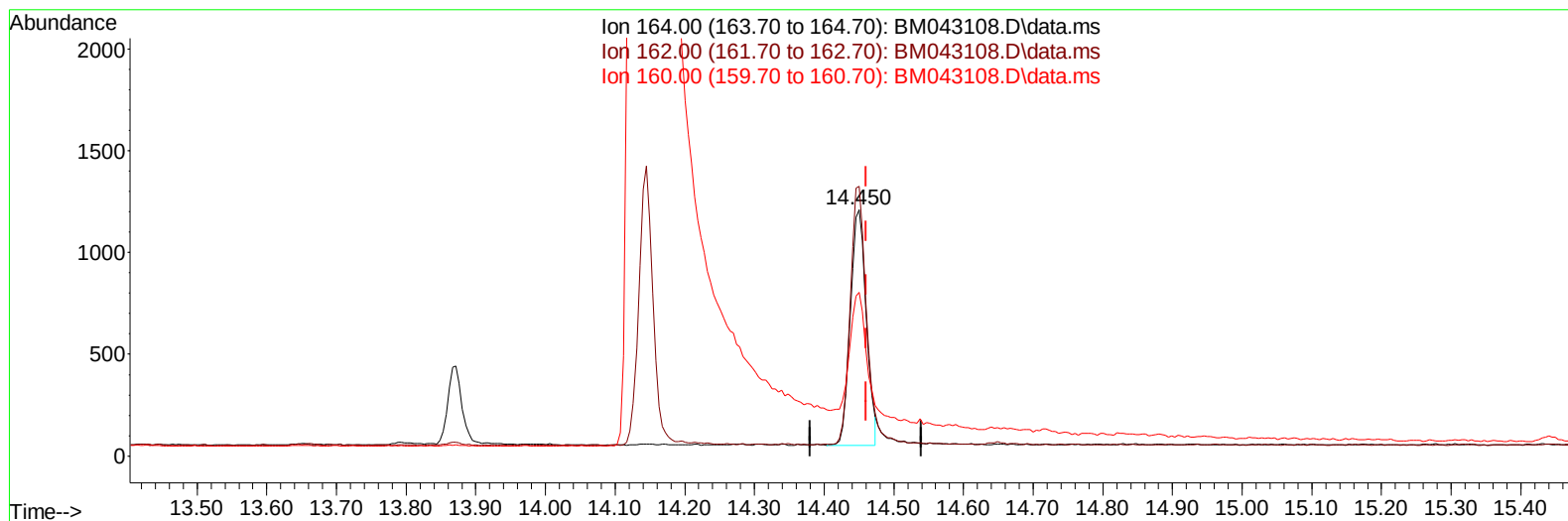
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM113023\  
Data File : BM043108.D  
Acq On : 01 Dec 2023 05:44  
Operator : MA/JU  
Sample : 05459-15  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AK1

Manual IntegrationsAPPROVED

Quant Time: Dec 01 06:18:45 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM112423.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 01 00:42:42 2023  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/01/2023  
Supervised By :mohammad ahmed 12/04/2023



TIC: BM043108.D\data.ms

(9) Acenaphthene-d10 (I)

14.450min (-0.010) 0.40 ng/u1

response 1826

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 162.00 | 106.50 | 109.42 |
| 160.00 | 57.20  | 66.36  |
| 0.00   | 0.00   | 0.00   |

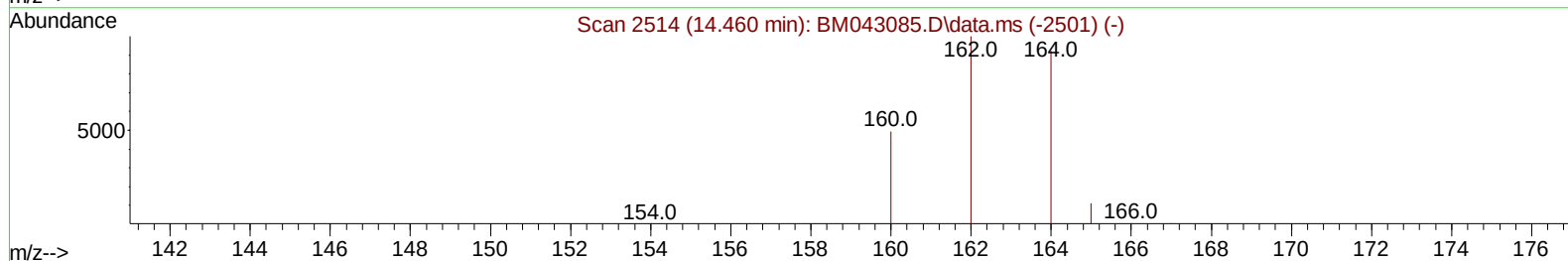
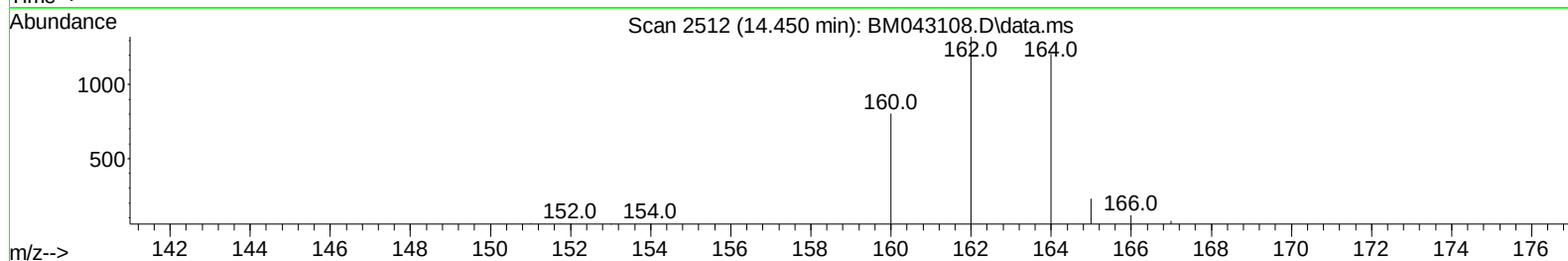
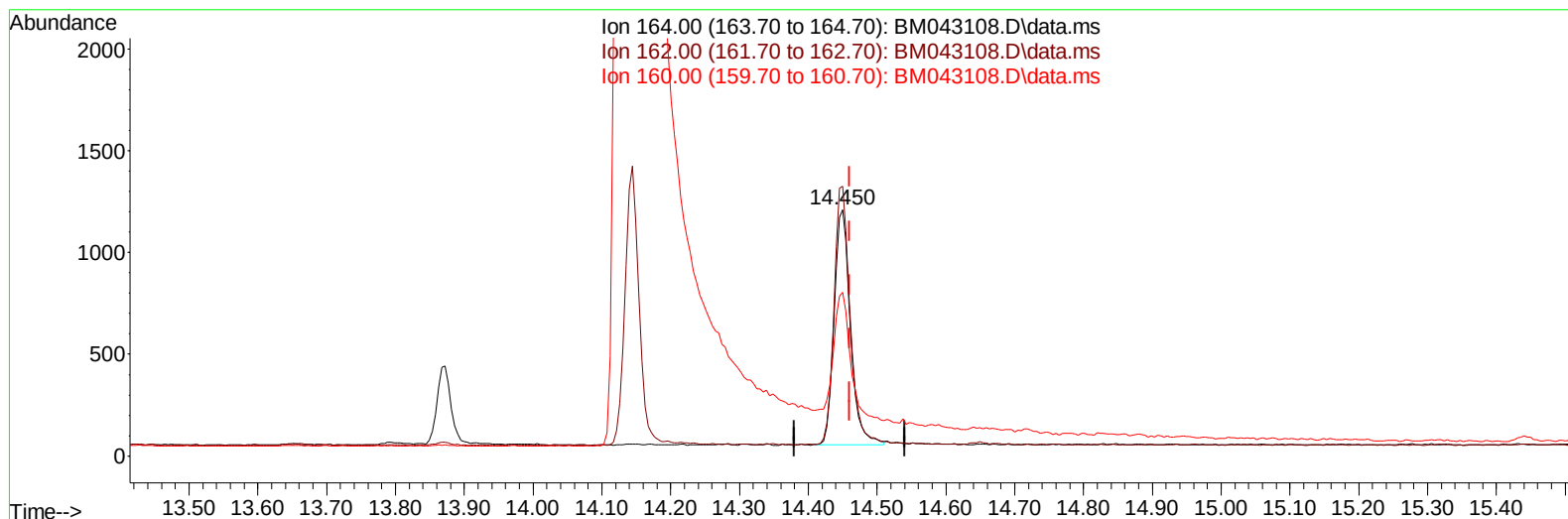
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 ALS Vial : 25 Sample Multiplier: 1

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Manual IntegrationsAPPROVED

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TIC: BM043108.D\data.ms

**(9) Acenaphthene-d10 (I)**

14.450min (-0.010) 0.40 ng/ul m

response 1905

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 162.00 | 106.50 | 109.42 |
| 160.00 | 57.20  | 66.36  |
| 0.00   | 0.00   | 0.00   |

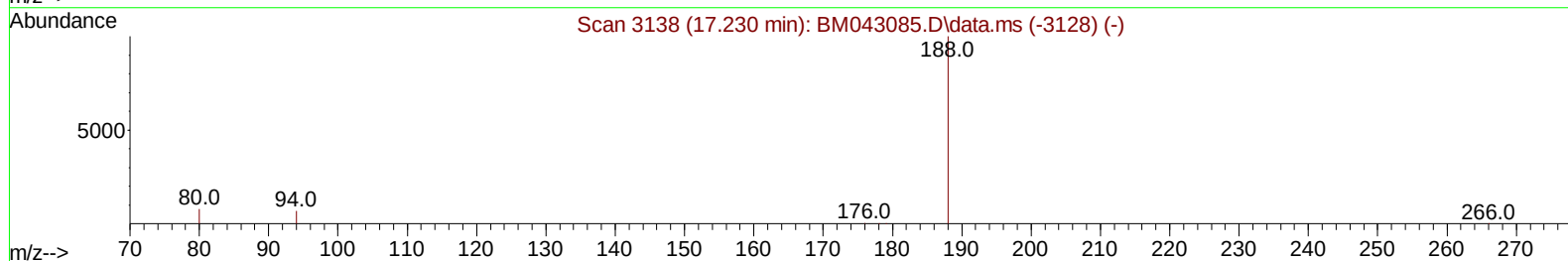
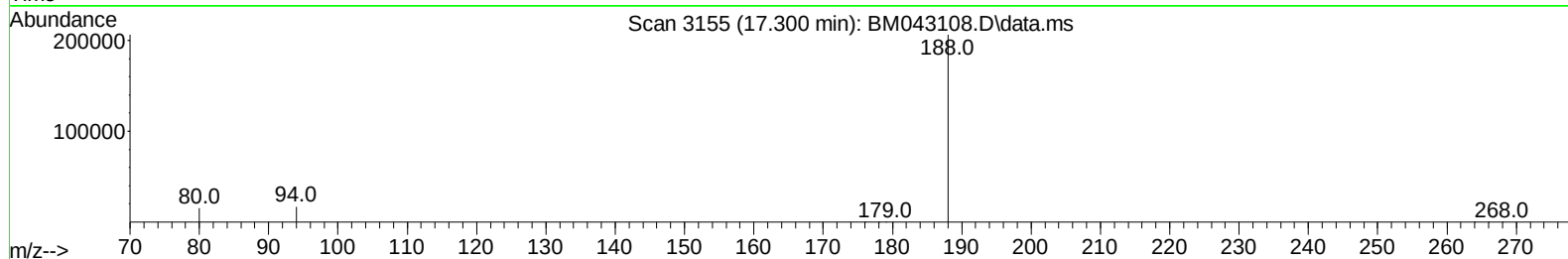
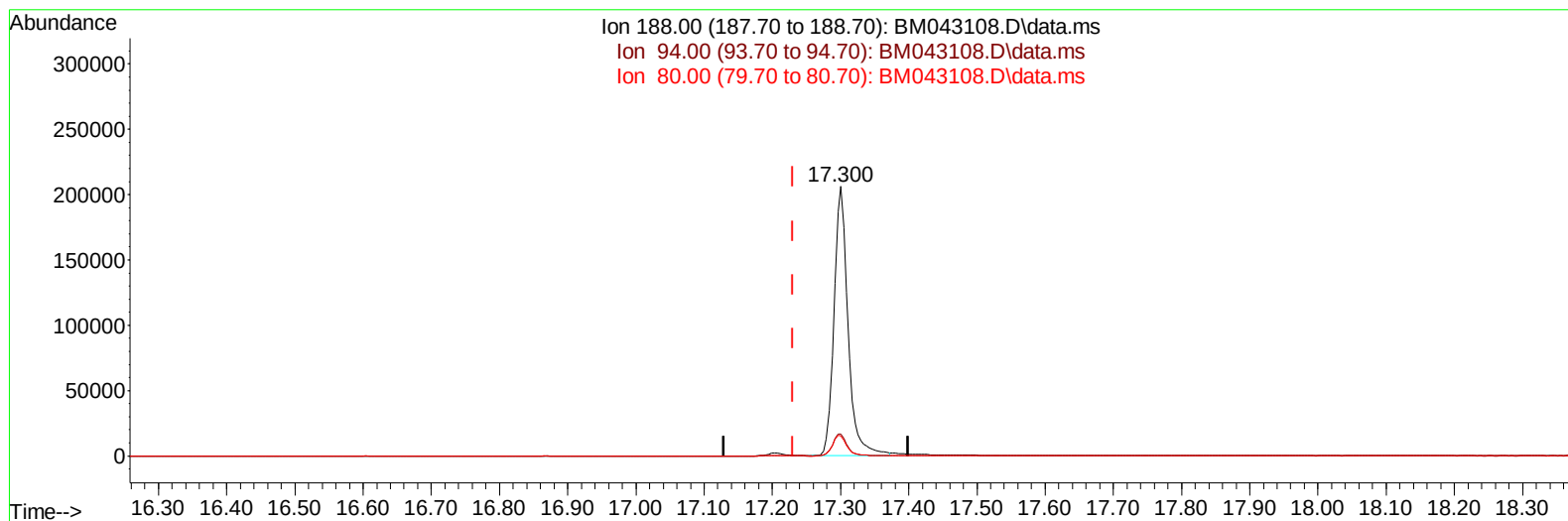
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM113023\  
 Data File : BM043108.D  
 Acq On : 01 Dec 2023 05:44  
 Operator : MA/JU  
 Sample : 05459-15  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
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Manual IntegrationsAPPROVED

Quant Time: Dec 01 06:18:45 2023  
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TIC: BM043108.D\data.ms

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

**17.300min (+ 0.071) 0.40 ng/u1**

**response 295747**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 11.40  | 8.21#  |
| 80.00  | 12.70  | 7.49#  |
| 0.00   | 0.00   | 0.00   |

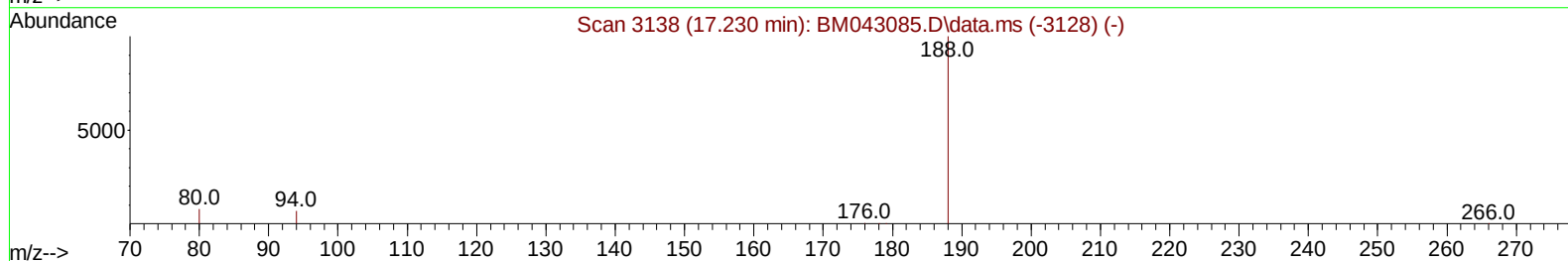
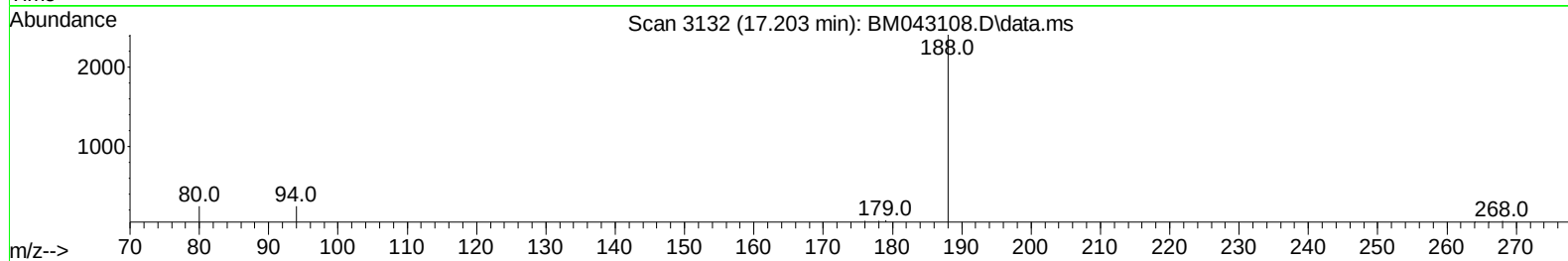
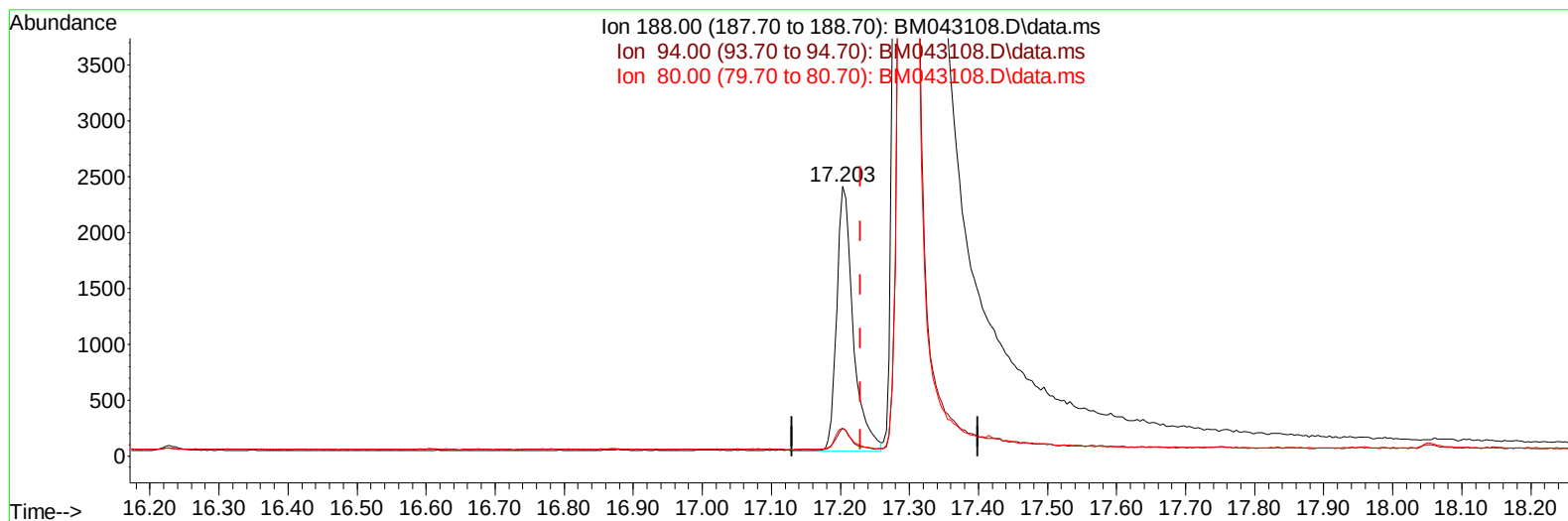
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM113023\  
 Data File : BM043108.D  
 Acq On : 01 Dec 2023 05:44  
 Operator : MA/JU  
 Sample : 05459-15  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AK1

Manual IntegrationsAPPROVED

Quant Time: Dec 01 06:18:45 2023  
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TIC: BM043108.D\data.ms

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

17.203min (-0.026) 0.40 ng/ul m

response 3913

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 11.40  | 10.20  |
| 80.00  | 12.70  | 10.28  |
| 0.00   | 0.00   | 0.00   |

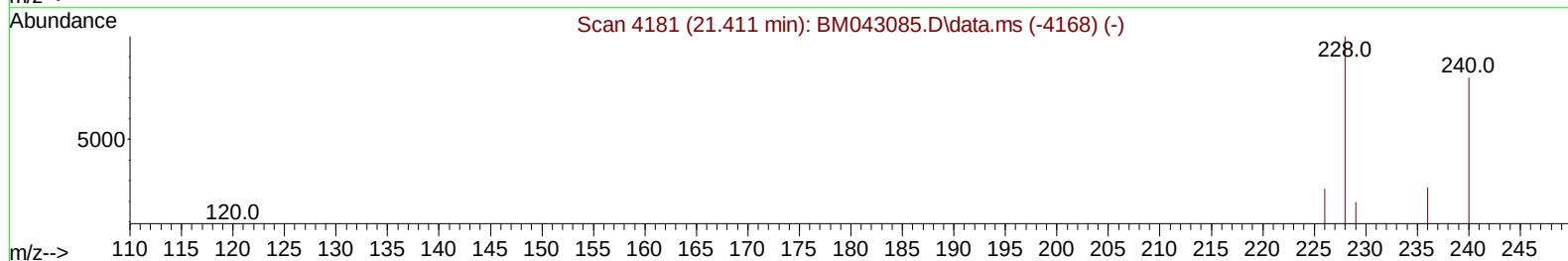
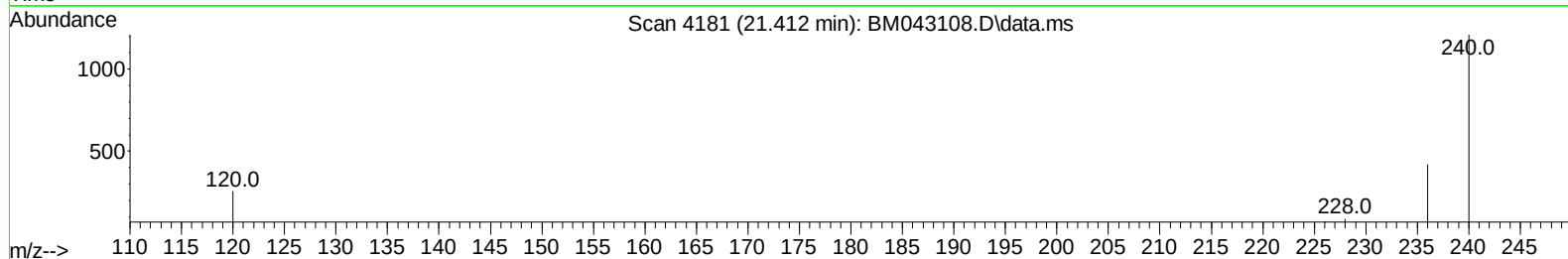
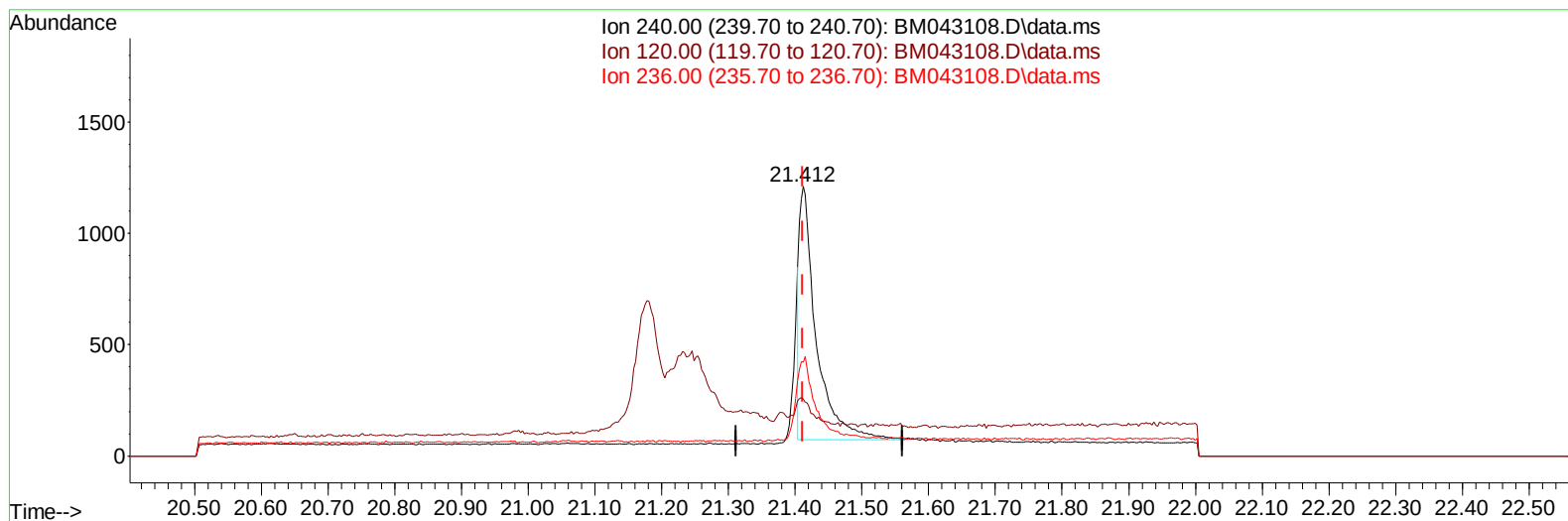
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM113023\  
Data File : BM043108.D  
Acq On : 01 Dec 2023 05:44  
Operator : MA/JU  
Sample : 05459-15  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AK1

Manual IntegrationsAPPROVED

Quant Time: Dec 01 06:18:45 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM112423.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 01 00:42:42 2023  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/01/2023  
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TIC: BM043108.D\data.ms

(17) Chrysene-d12

21.412min (+ 0.001) 0.40 ng/u1

response 2019

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 240.00 | 100.00 | 100.00 |
| 120.00 | 22.80  | 21.24  |
| 236.00 | 38.50  | 34.71  |
| 0.00   | 0.00   | 0.00   |

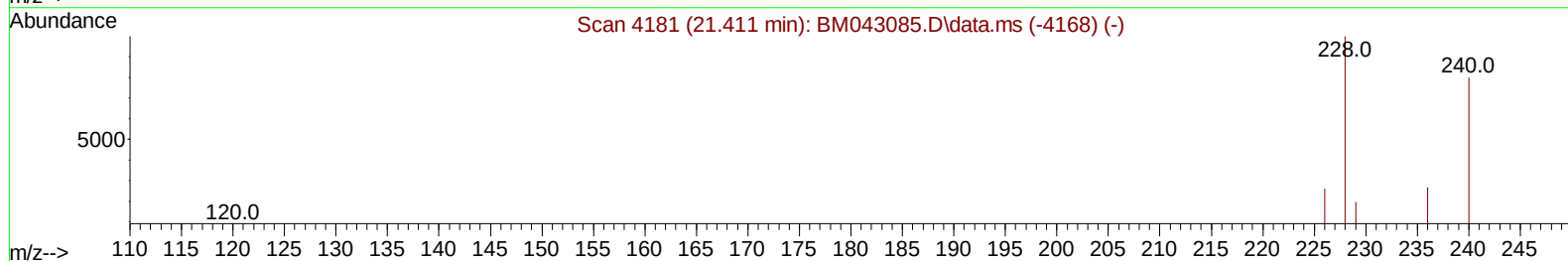
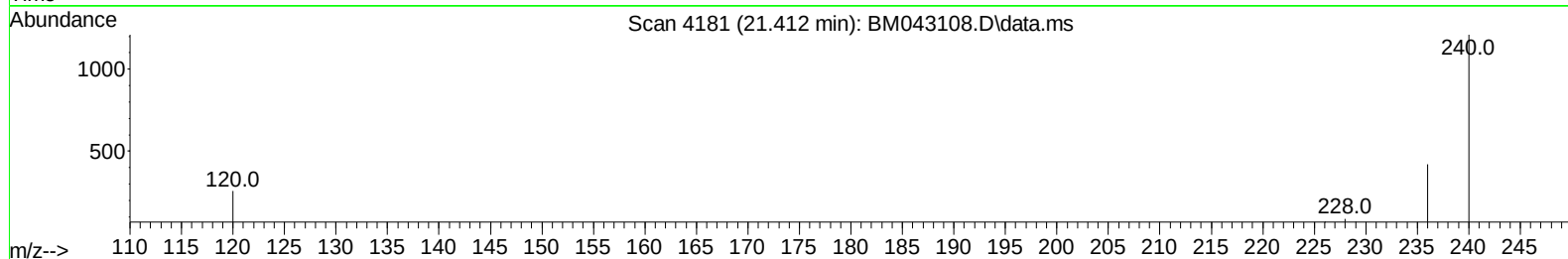
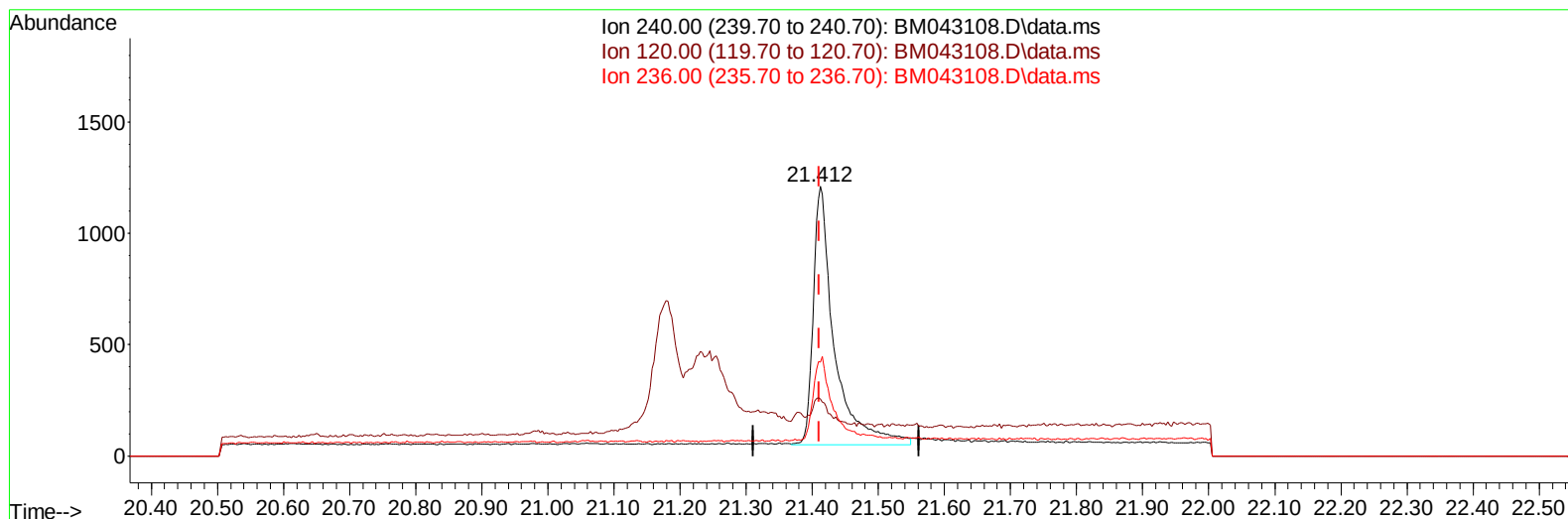
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM113023\  
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 Operator : MA/JU  
 Sample : 05459-15  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AK1

Manual IntegrationsAPPROVED

Quant Time: Dec 01 06:18:45 2023  
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TIC: BM043108.D\data.ms

(17) Chrysene-d12

21.412min (+ 0.001) 0.40 ng/ul m

response 2570

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 240.00 | 100.00 | 100.00 |
| 120.00 | 22.80  | 21.24  |
| 236.00 | 38.50  | 34.71  |
| 0.00   | 0.00   | 0.00   |

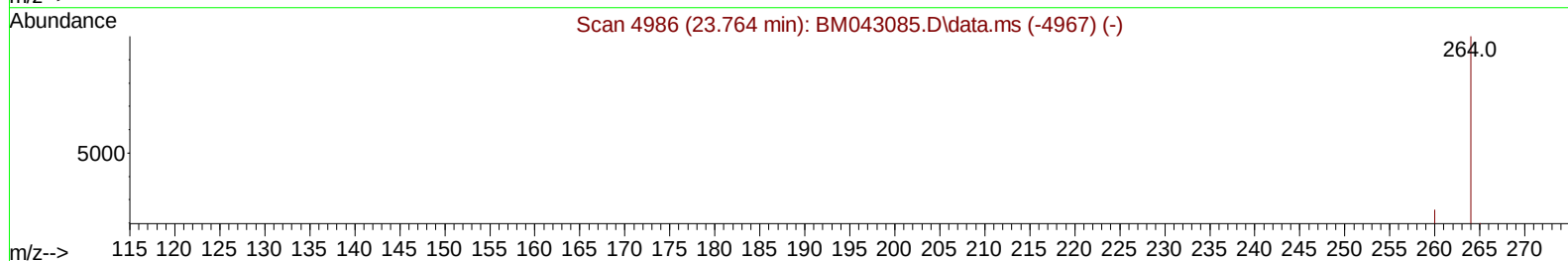
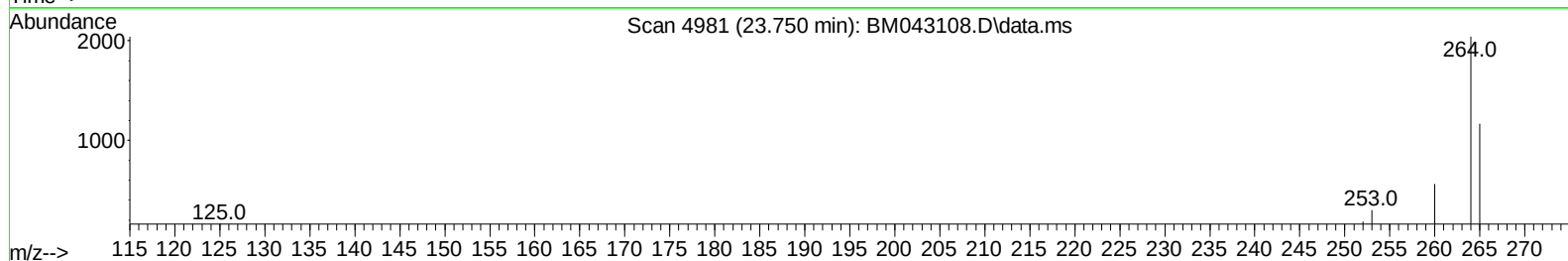
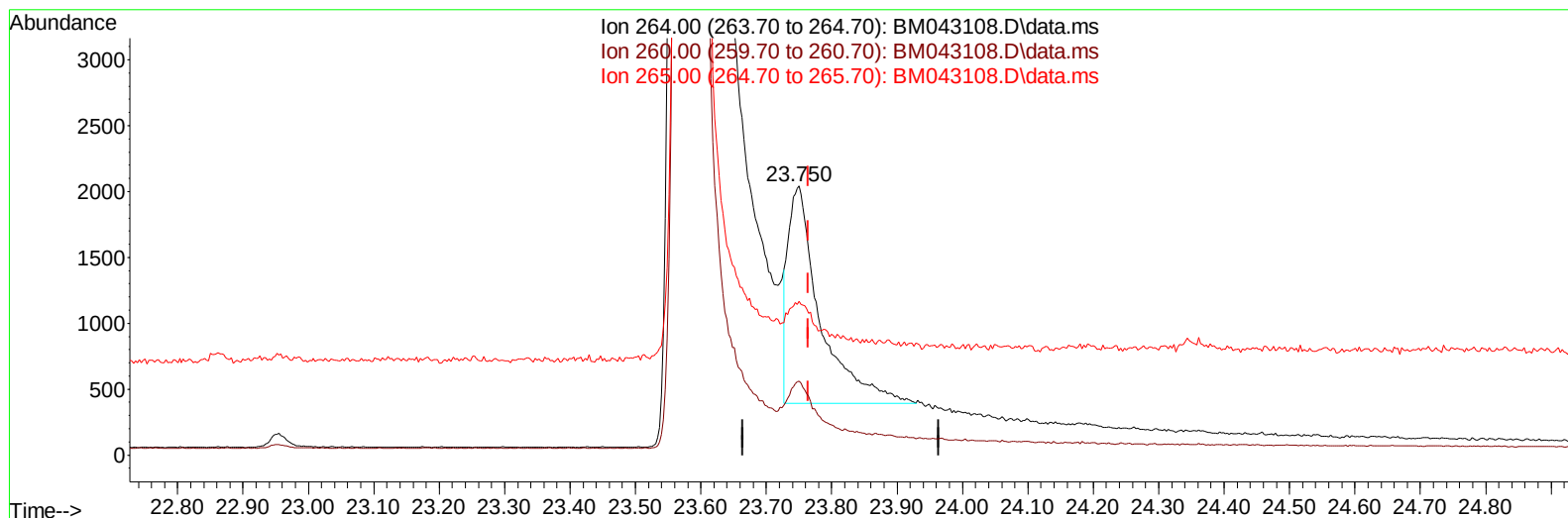
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Instrument :  
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Manual IntegrationsAPPROVED

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TIC: BM043108.D\data.ms

**(23) Perylene-d12 (I)**

23.750min (-0.014) 0.40 ng/u1

response 5644

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 33.90  | 27.44  |
| 265.00 | 120.30 | 57.18# |
| 0.00   | 0.00   | 0.00   |

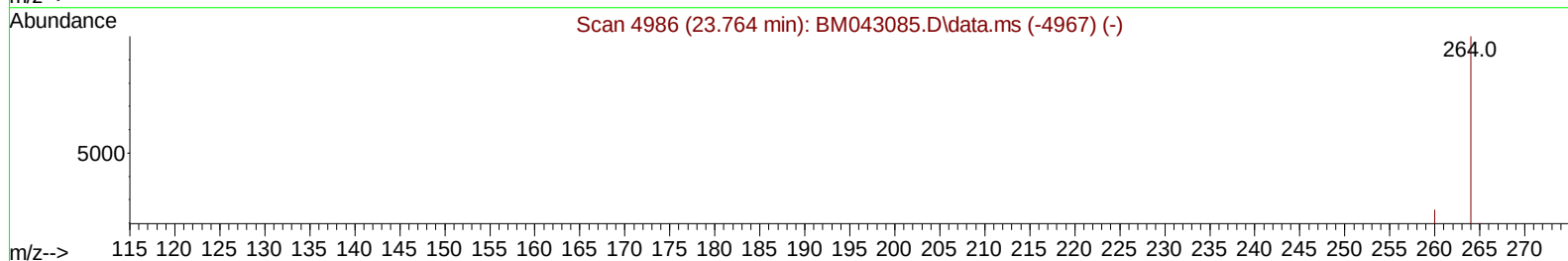
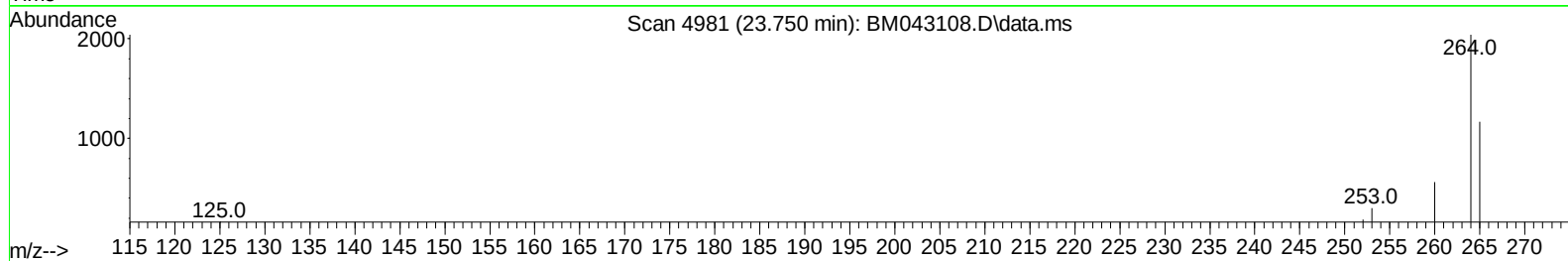
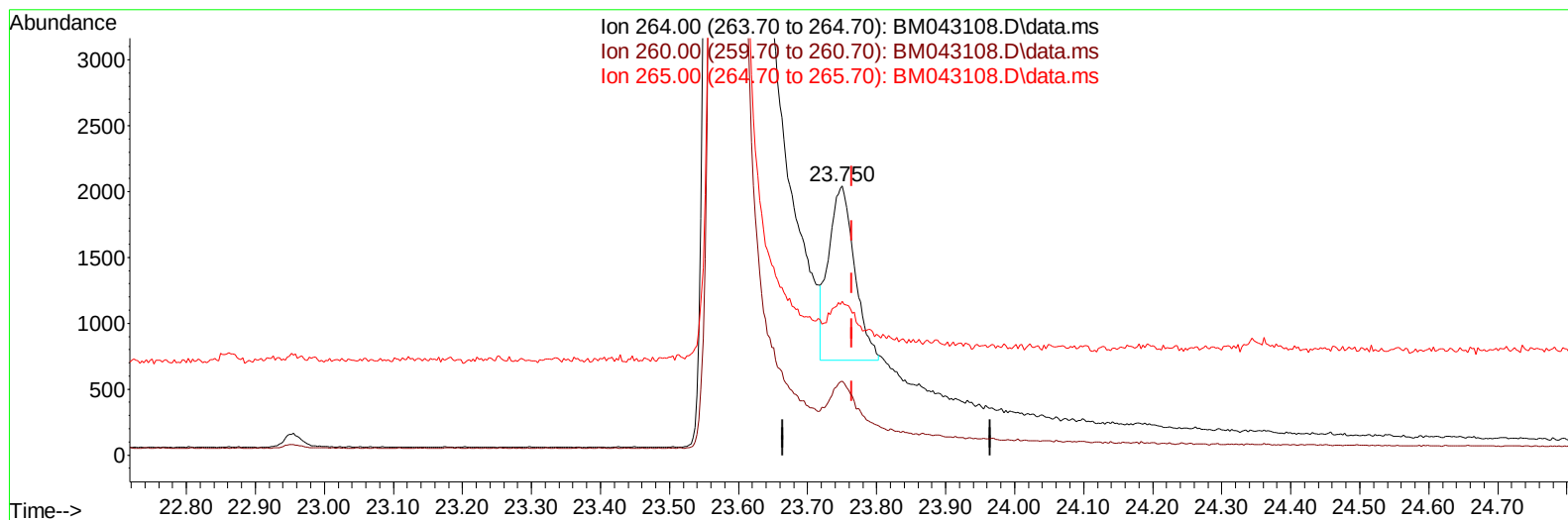
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 Data File : BM043108.D  
 Acq On : 01 Dec 2023 05:44  
 Operator : MA/JU  
 Sample : 05459-15  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AK1

Manual IntegrationsAPPROVED

Quant Time: Dec 01 06:18:45 2023  
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TIC: BM043108.D\data.ms

**(23) Perylene-d12 (I)**

23.750min (-0.014) 0.40 ng/ul m

response 3460

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 33.90  | 27.44  |
| 265.00 | 120.30 | 57.18# |
| 0.00   | 0.00   | 0.00   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM113023\  
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 Sample : 05459-15  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
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## Manual IntegrationsAPPROVED

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| Compound                    | R.T.   | Q   | Ion | Response | Conc  | Units | Dev(Min) |
|-----------------------------|--------|-----|-----|----------|-------|-------|----------|
| -----                       |        |     |     |          |       |       |          |
| Internal Standards          |        |     |     |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.800  | 152 |     | 1073     | 0.400 | ng/ul | #-0.06   |
| 4) Naphthalene-d8           | 10.600 | 136 |     | 3266     | 0.400 | ng/ul | #-0.03   |
| 9) Acenaphthene-d10         | 14.450 | 164 |     | 1905m    | 0.400 | ng/ul | -0.01    |
| 13) Phenanthrene-d10        | 17.203 | 188 |     | 3913m    | 0.400 | ng/ul | -0.03    |
| 17) Chrysene-d12            | 21.412 | 240 |     | 2570m    | 0.400 | ng/ul | 0.00     |
| 23) Perylene-d12            | 23.750 | 264 |     | 3460m    | 0.400 | ng/ul | -0.01    |
|                             |        |     |     |          |       |       |          |
| System Monitoring Compounds |        |     |     |          |       |       |          |
| 3) 1,4-Dioxane-d8           | 3.155  | 96  |     | 4800     | 2.916 | ng/ul | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.228 | 152 |     | 1548     | 0.354 | ng/ul | 0.00     |
| 18) Fluoranthene-d10        | 19.238 | 212 |     | 3930     | 0.420 | ng/ul | -0.01    |
|                             |        |     |     |          |       |       |          |
| Target Compounds            |        |     |     |          |       |       | Qvalue   |
| 7) 2-Methylnaphthalene      | 12.310 | 142 |     | 159      | 0.030 | ng/ul | 88       |
| 8) 1-Methylnaphthalene      | 12.514 | 142 |     | 147      | 0.025 | ng/ul | 93       |
| -----                       |        |     |     |          |       |       |          |

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

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Misc :  
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