

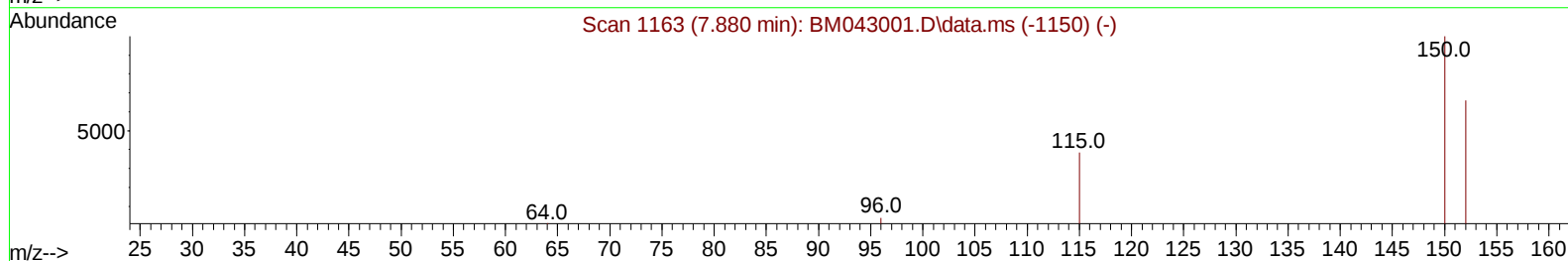
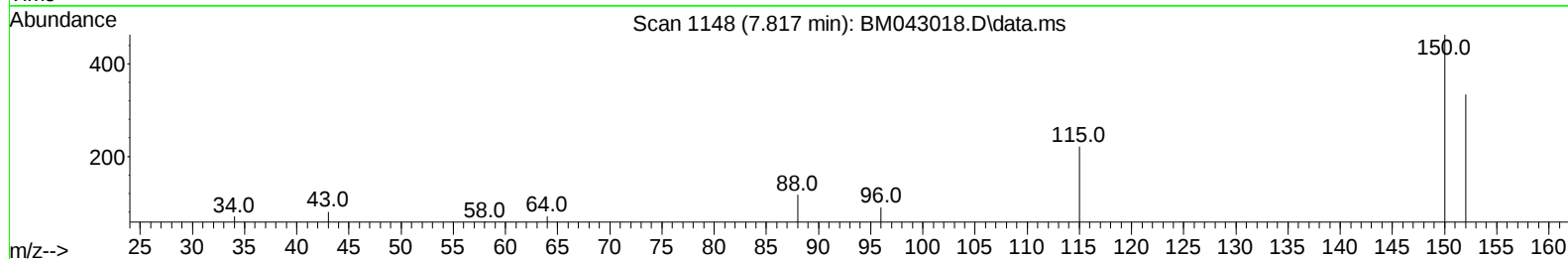
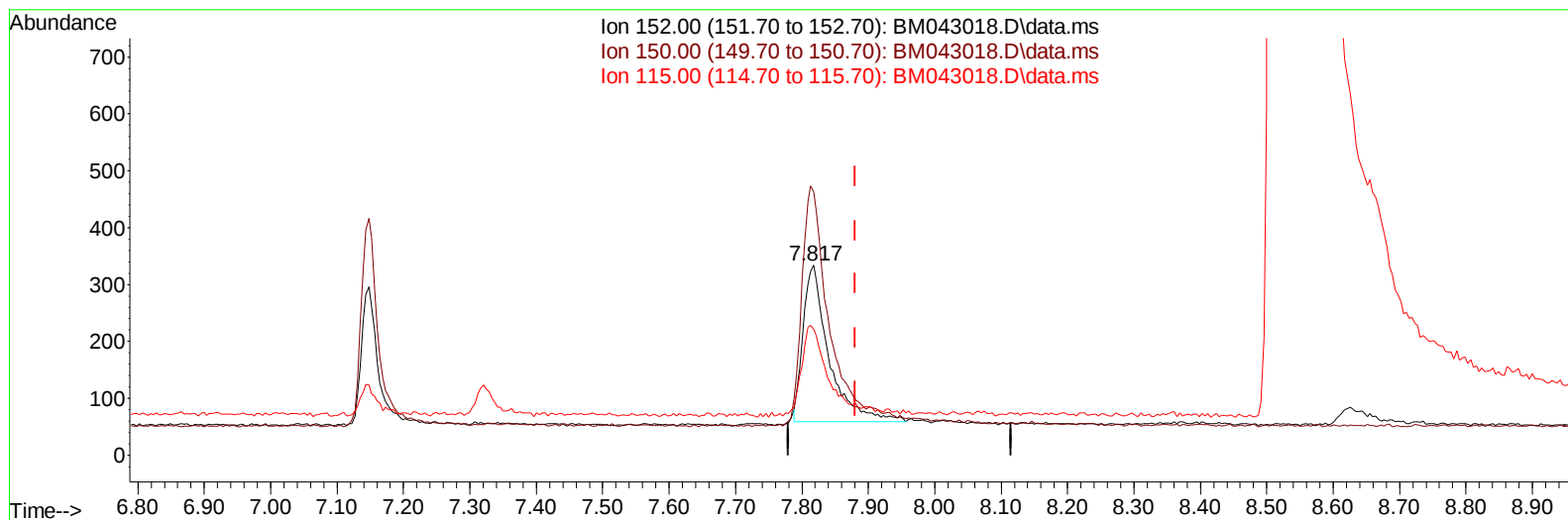
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112423\  
Data File : BM043018.D  
Acq On : 25 Nov 2023 16:51  
Operator : MA/JU  
Sample : 05336-13  
Misc :  
ALS Vial : 42 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DCKE2

Manual IntegrationsAPPROVED

Quant Time: Nov 27 02:44:06 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 : Mon Nov 27 02:36:19 2023  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/28/2023  
Supervised By :mohammad ahmed 11/28/2023



TIC: BM043018.D\data.ms

(1) 1,4-Dichlorobenzene-d4 (I)

7.817min (-0.063) 0.40 ng/u1

response 739

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 152.00 | 100.00 | 100.00 |
| 150.00 | 124.60 | 138.62 |
| 115.00 | 89.60  | 66.47# |
| 0.00   | 0.00   | 0.00   |

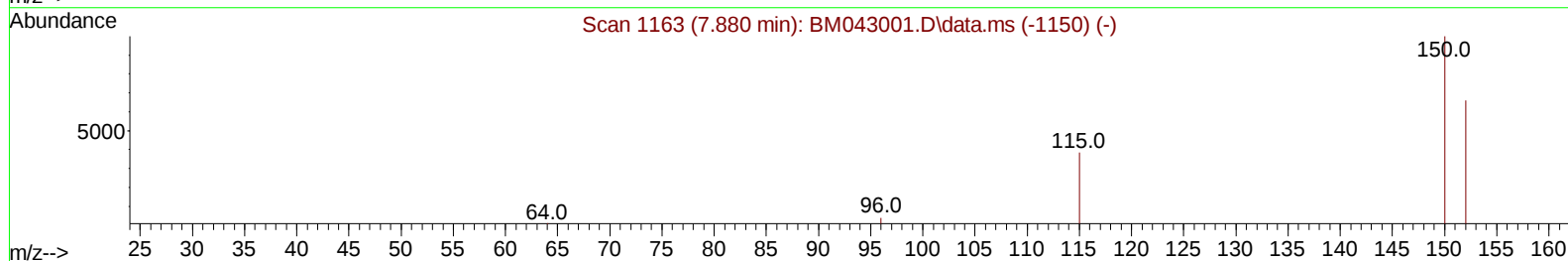
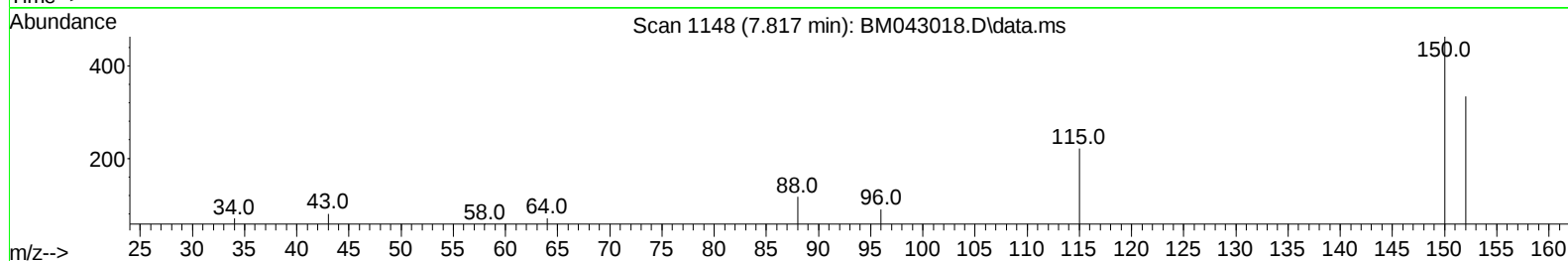
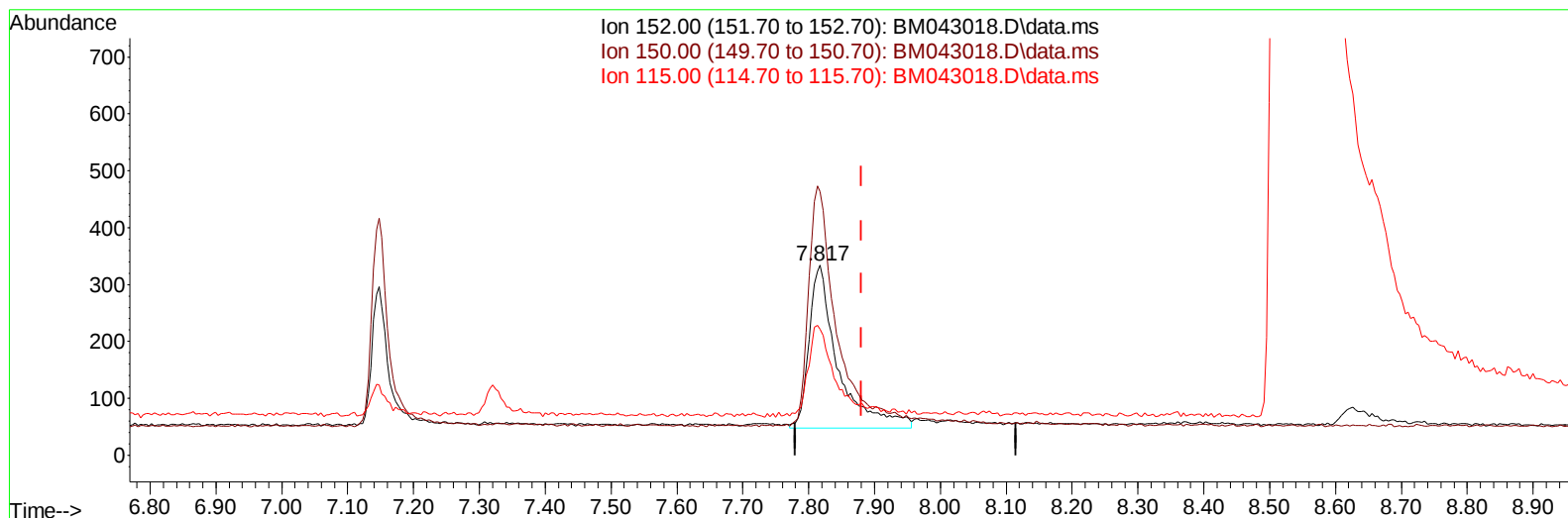
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112423\  
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 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
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Manual IntegrationsAPPROVED

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TIC: BM043018.D\data.ms

(1) 1,4-Dichlorobenzene-d4 (I)

7.817min (-0.063) 0.40 ng/ul m

response 867

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 152.00 | 100.00 | 100.00 |
| 150.00 | 124.60 | 138.62 |
| 115.00 | 89.60  | 66.47# |
| 0.00   | 0.00   | 0.00   |

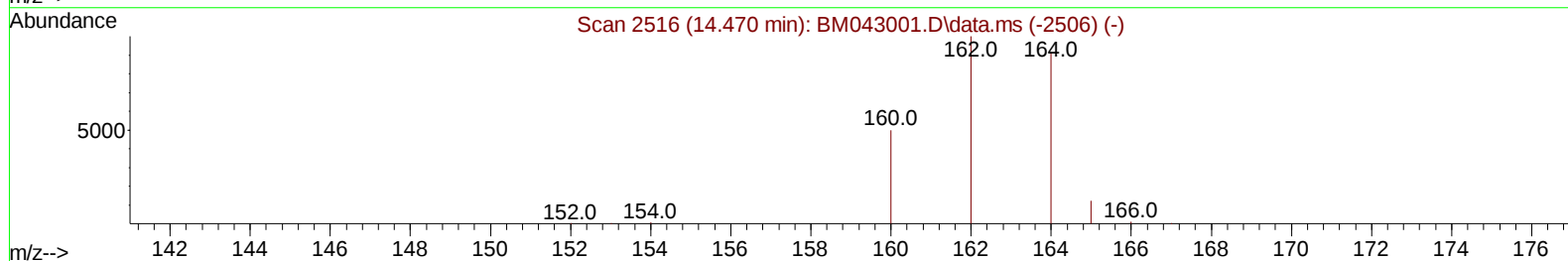
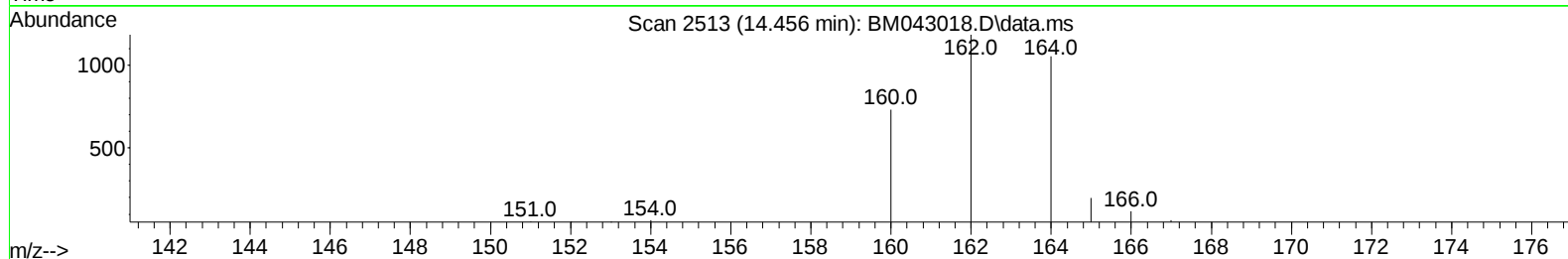
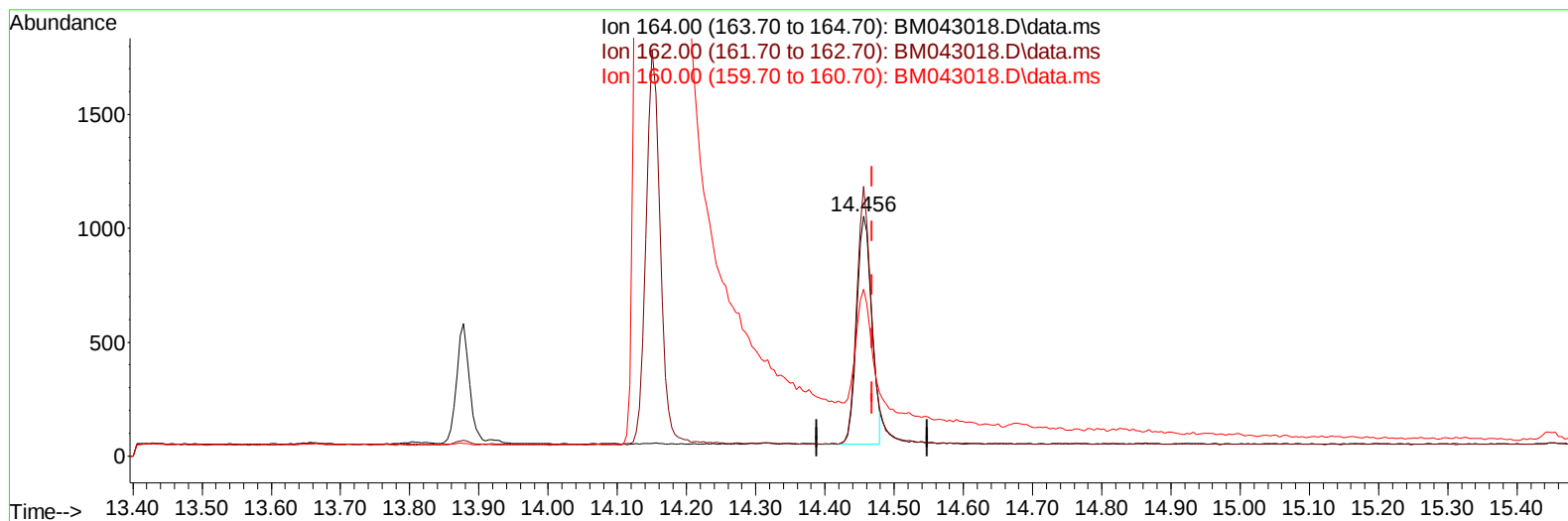
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112423\  
Data File : BM043018.D  
Acq On : 25 Nov 2023 16:51  
Operator : MA/JU  
Sample : 05336-13  
Misc :  
ALS Vial : 42 Sample Multiplier: 1

Instrument :  
BNA\_M  
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Manual IntegrationsAPPROVED

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TIC: BM043018.D\data.ms

(9) Acenaphthene-d10 (I)

14.456min (-0.012) 0.40 ng/u1

response 1525

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 162.00 | 106.50 | 112.33 |
| 160.00 | 57.20  | 69.54# |
| 0.00   | 0.00   | 0.00   |

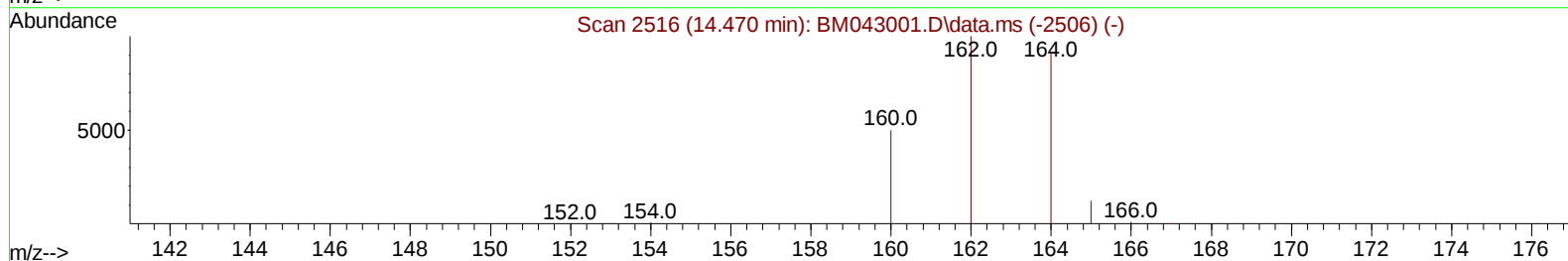
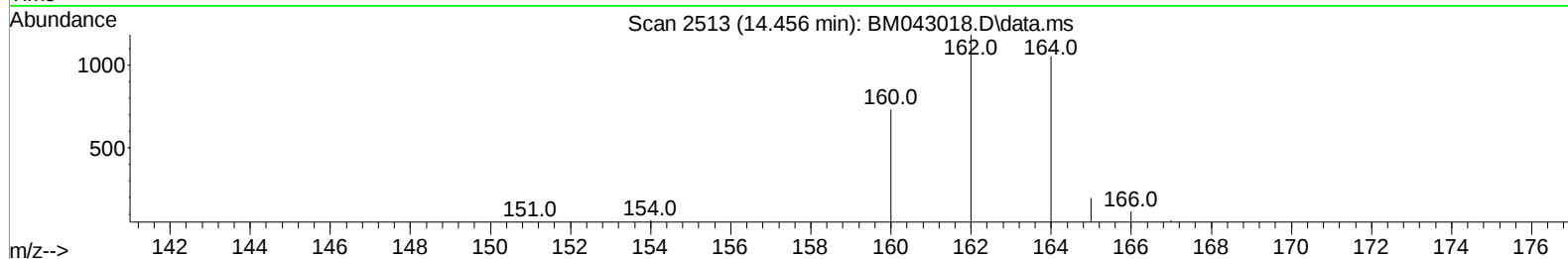
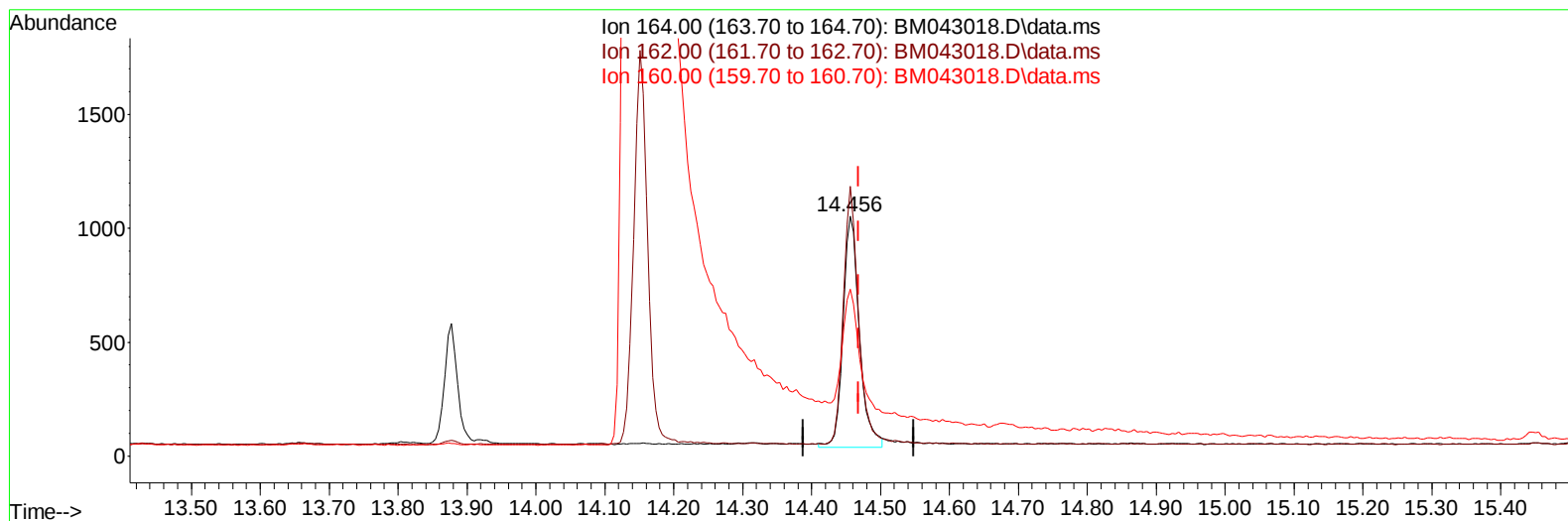
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112423\  
Data File : BM043018.D  
Acq On : 25 Nov 2023 16:51  
Operator : MA/JU  
Sample : 05336-13  
Misc :  
ALS Vial : 42 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DCKE2

Manual IntegrationsAPPROVED

Quant Time: Nov 27 02:44:06 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM112423.M  
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TIC: BM043018.D\data.ms

(9) Acenaphthene-d10 (I)

14.456min (-0.012) 0.40 ng/u1 m

response 1675

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 162.00 | 106.50 | 112.33 |
| 160.00 | 57.20  | 69.54# |
| 0.00   | 0.00   | 0.00   |

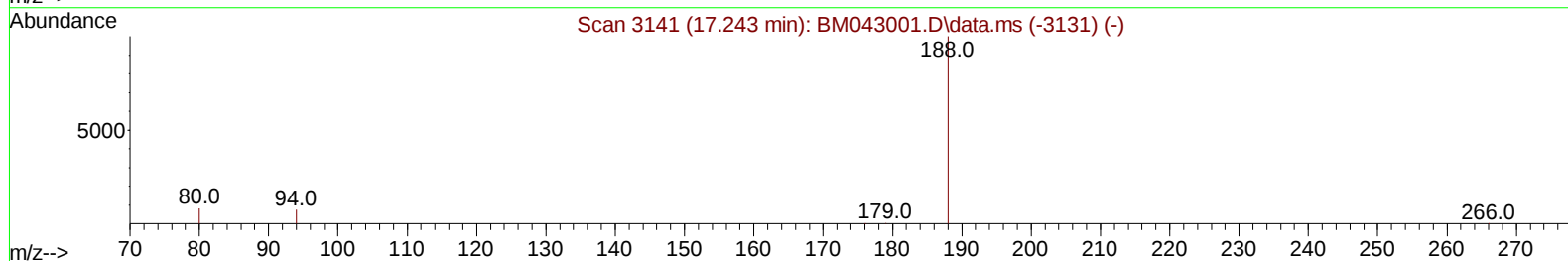
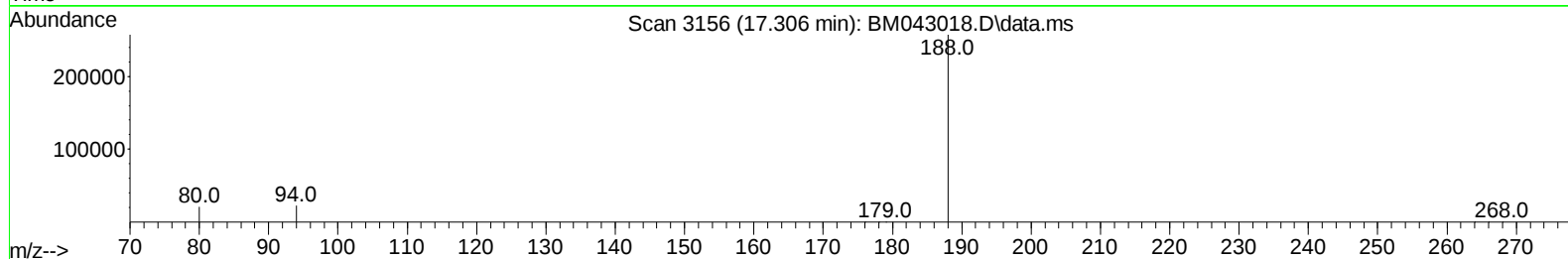
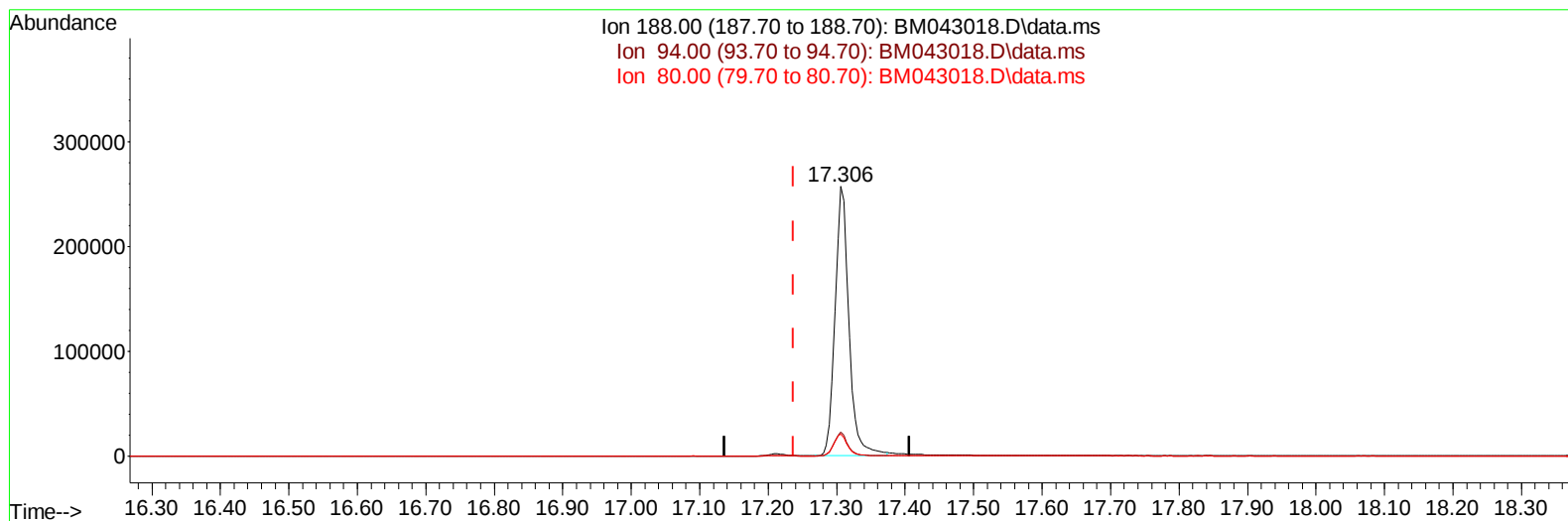
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112423\  
 Data File : BM043018.D  
 Acq On : 25 Nov 2023 16:51  
 Operator : MA/JU  
 Sample : 05336-13  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCKE2

Manual IntegrationsAPPROVED

Quant Time: Nov 27 02:44:06 2023  
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TIC: BM043018.D\data.ms

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

**17.306min (+ 0.069) 0.40 ng/u1**

**response 363338**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 11.40  | 8.76#  |
| 80.00  | 12.70  | 8.08#  |
| 0.00   | 0.00   | 0.00   |

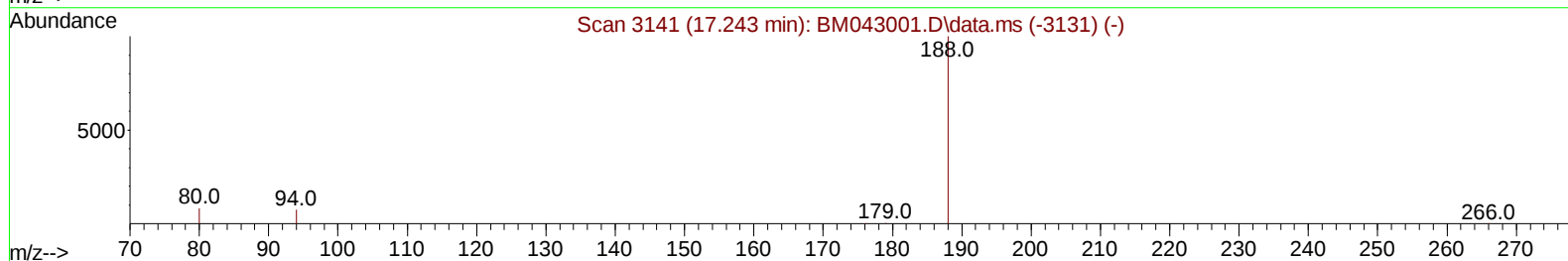
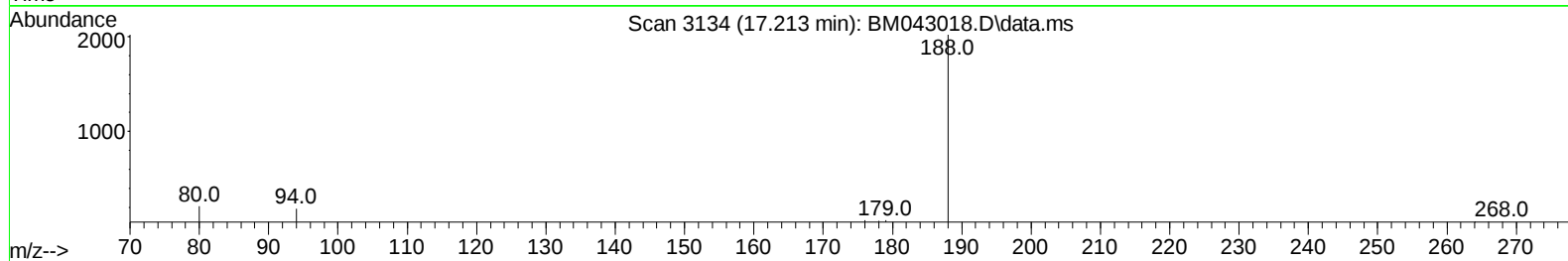
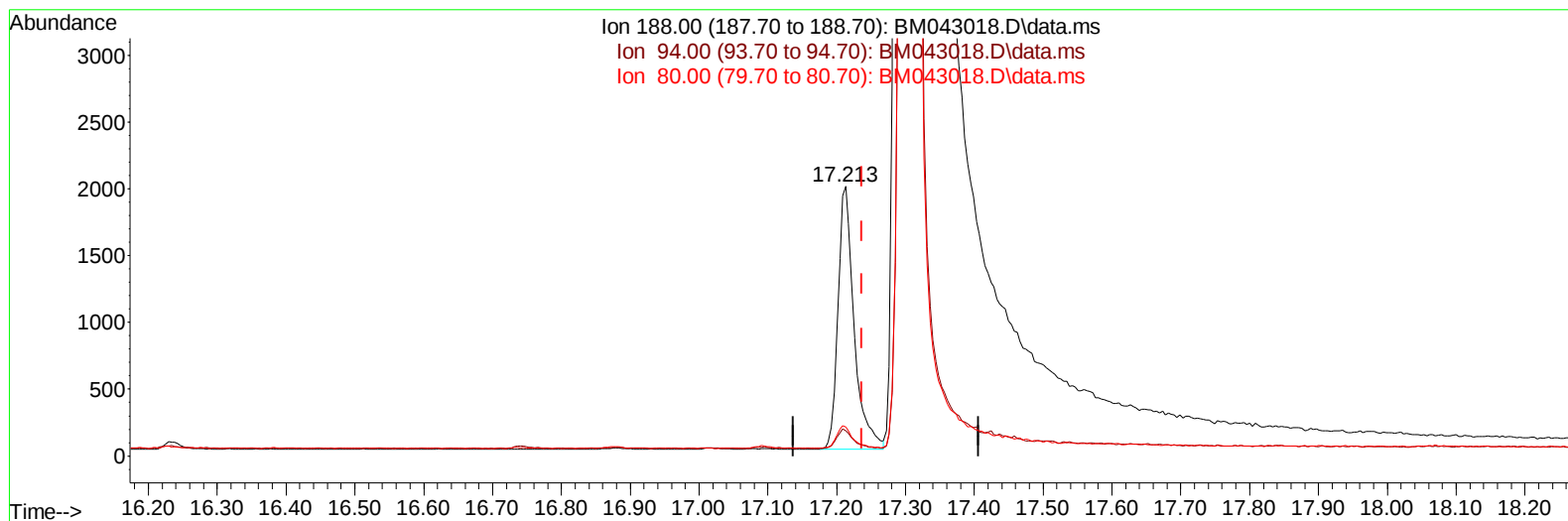
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112423\  
 Data File : BM043018.D  
 Acq On : 25 Nov 2023 16:51  
 Operator : MA/JU  
 Sample : 05336-13  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCKE2

Manual IntegrationsAPPROVED

Quant Time: Nov 27 02:44:06 2023  
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 QLast Update : Mon Nov 27 02:36:19 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/28/2023  
 Supervised By :mohammad ahmed 11/28/2023



TIC: BM043018.D\data.ms

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

17.213min (-0.024) 0.40 ng/ul m

response 3219

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 11.40  | 9.37   |
| 80.00  | 12.70  | 10.65  |
| 0.00   | 0.00   | 0.00   |

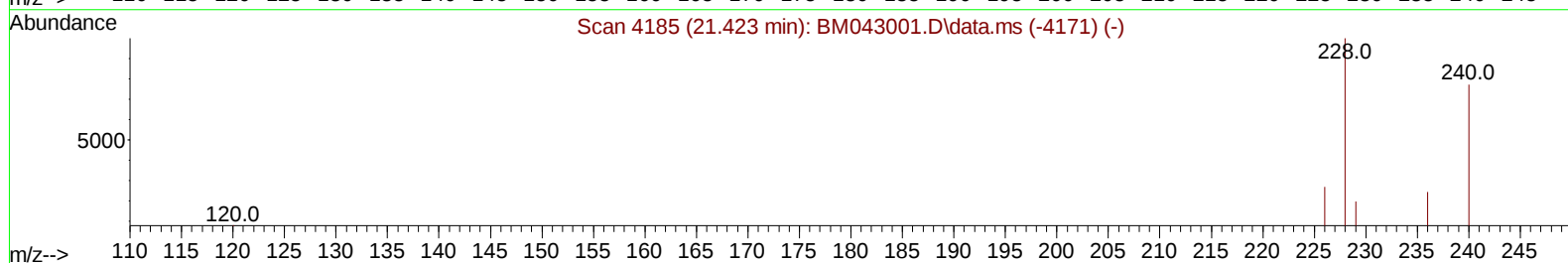
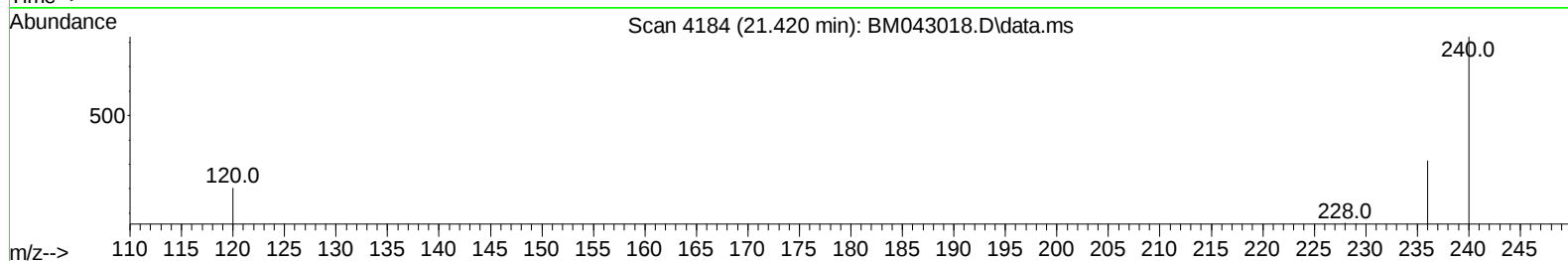
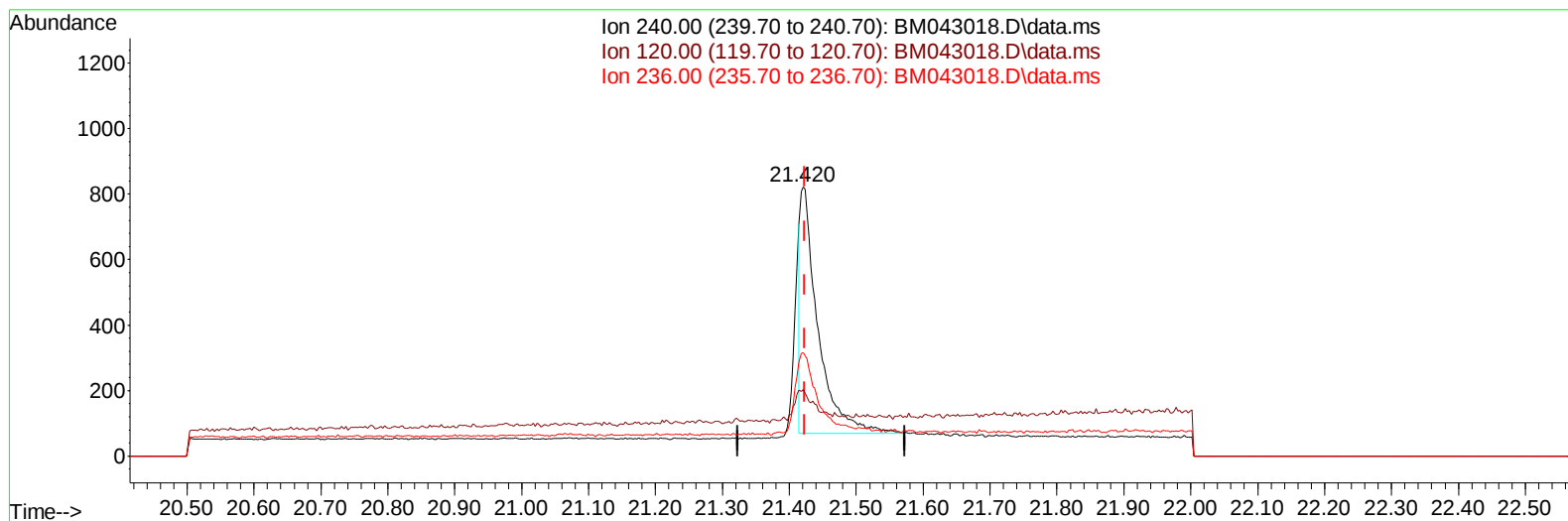
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112423\  
Data File : BM043018.D  
Acq On : 25 Nov 2023 16:51  
Operator : MA/JU  
Sample : 05336-13  
Misc :  
ALS Vial : 42 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DCKE2

Manual IntegrationsAPPROVED

Quant Time: Nov 27 02:44:06 2023  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Nov 27 02:36:19 2023  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/28/2023  
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TIC: BM043018.D\data.ms

(17) Chrysene-d12

21.420min (-0.003) 0.40 ng/u1

response 1352

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 240.00 | 100.00 | 100.00 |
| 120.00 | 22.80  | 24.79  |
| 236.00 | 38.50  | 38.40  |
| 0.00   | 0.00   | 0.00   |

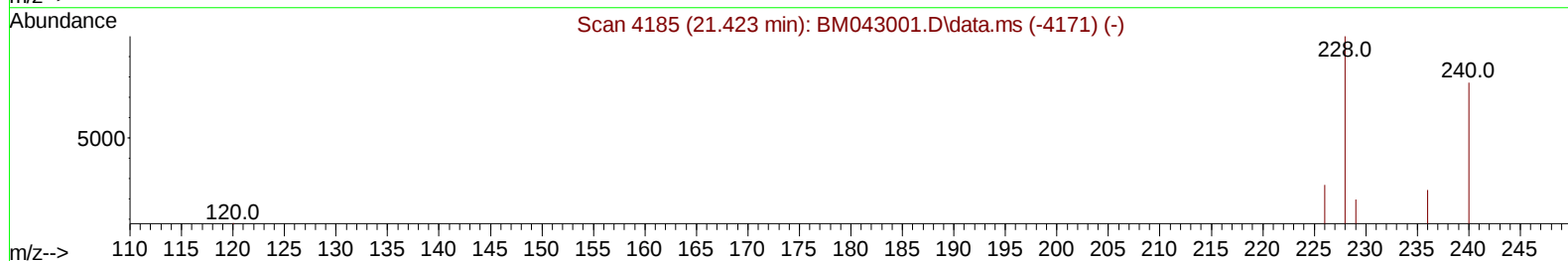
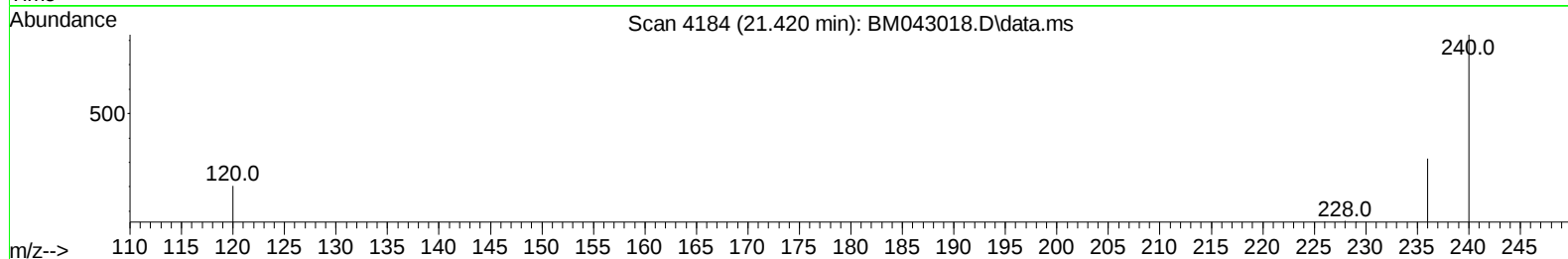
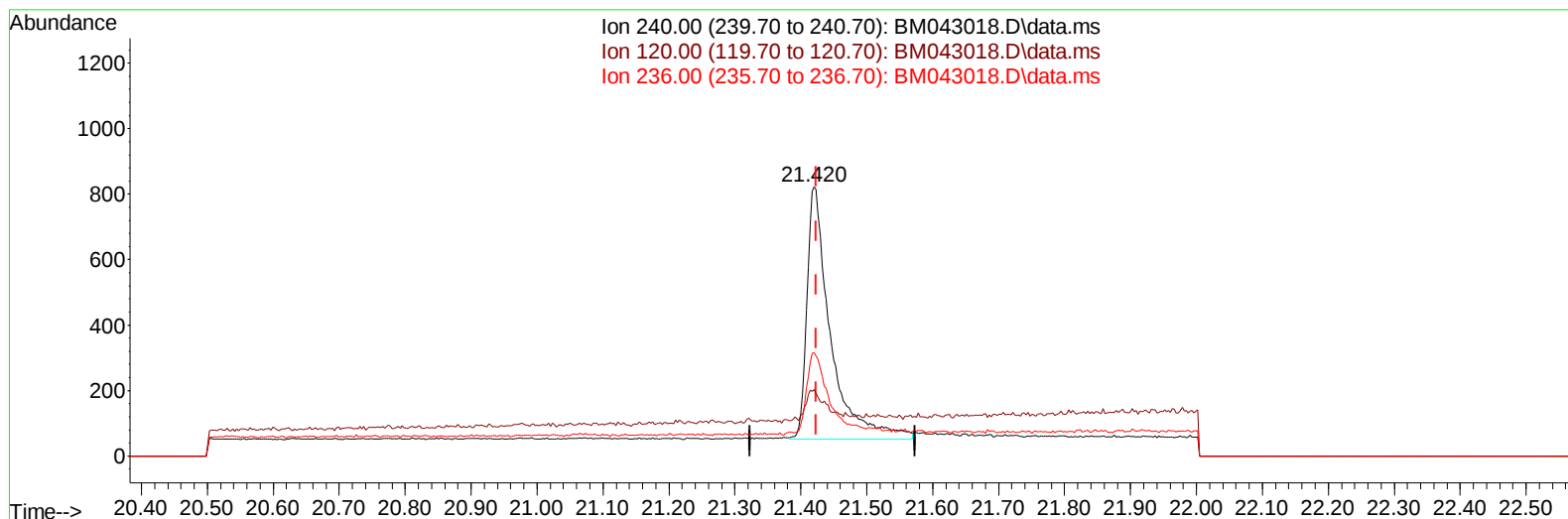
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112423\  
 Data File : BM043018.D  
 Acq On : 25 Nov 2023 16:51  
 Operator : MA/JU  
 Sample : 05336-13  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCKE2

Manual IntegrationsAPPROVED

Quant Time: Nov 27 02:44:06 2023  
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TIC: BM043018.D\data.ms

(17) Chrysene-d12

21.420min (-0.003) 0.40 ng/ul m

response 1891

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 240.00 | 100.00 | 100.00 |
| 120.00 | 22.80  | 24.79  |
| 236.00 | 38.50  | 38.40  |
| 0.00   | 0.00   | 0.00   |

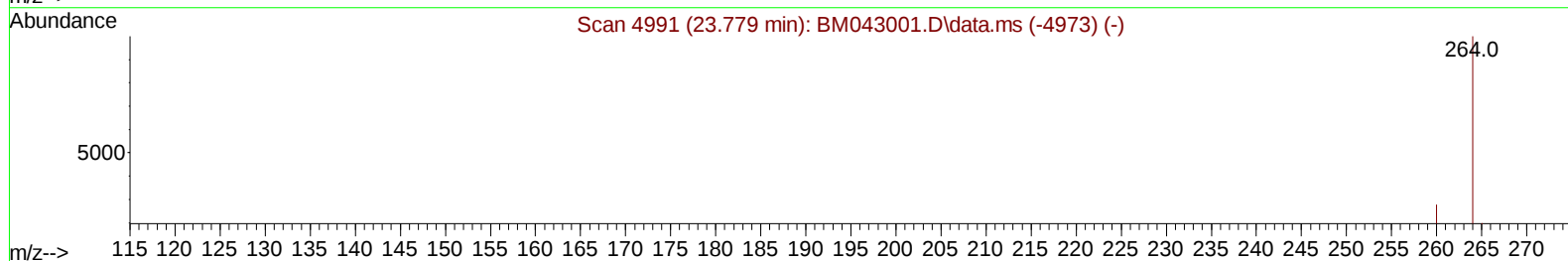
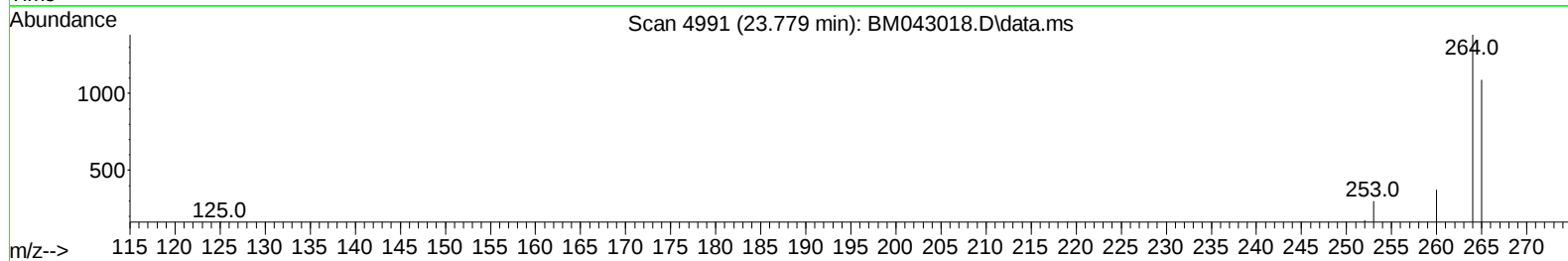
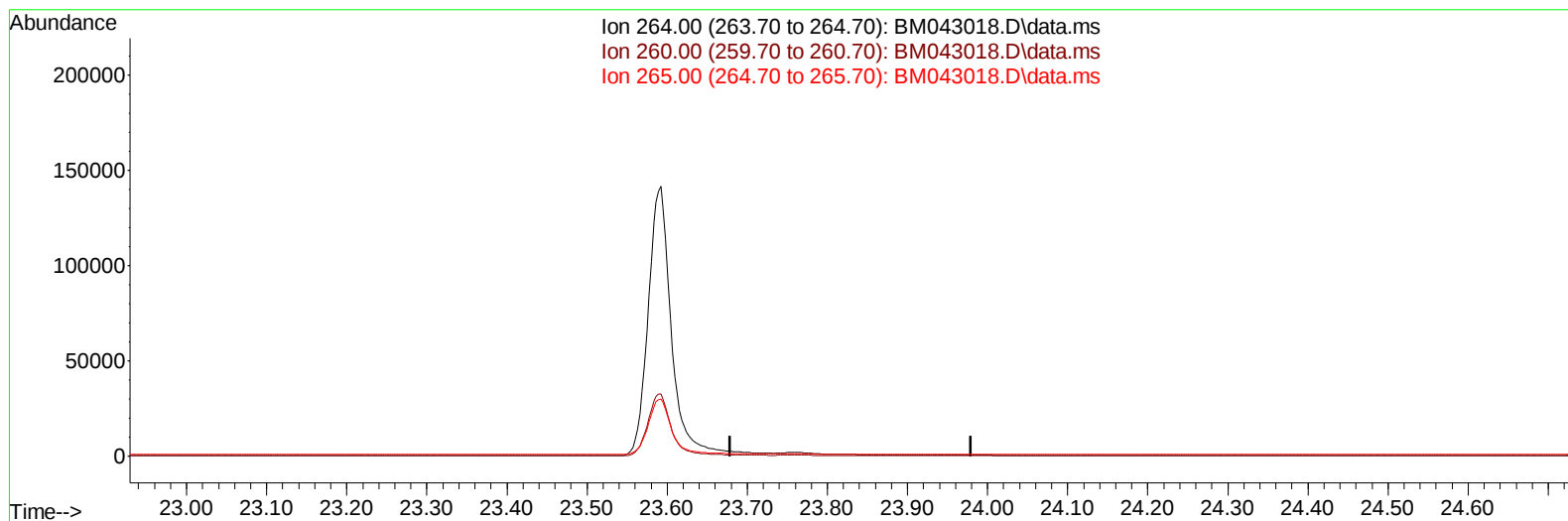
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 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
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Manual IntegrationsAPPROVED

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TIC: BM043018.D\data.ms

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

23.779min (-23.779) 0.00 ng/ul

response 0

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

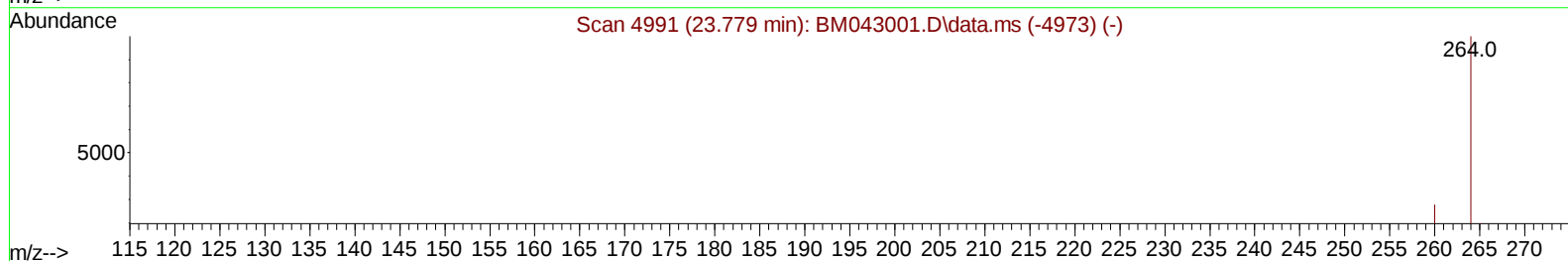
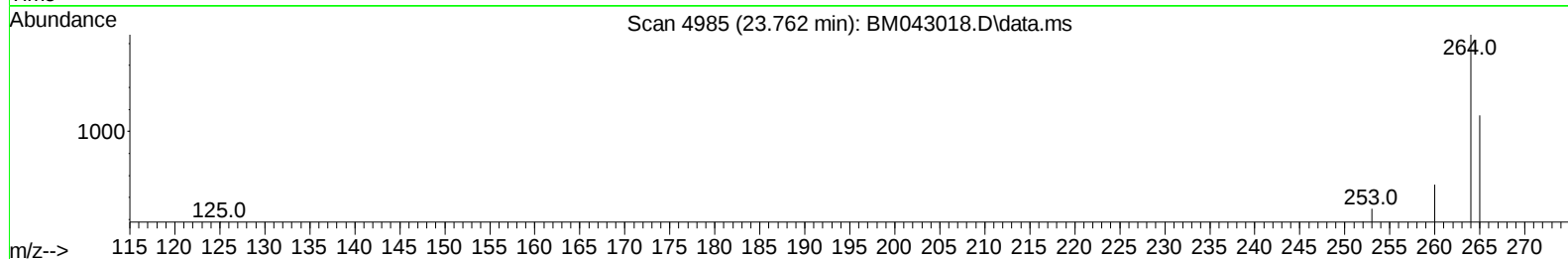
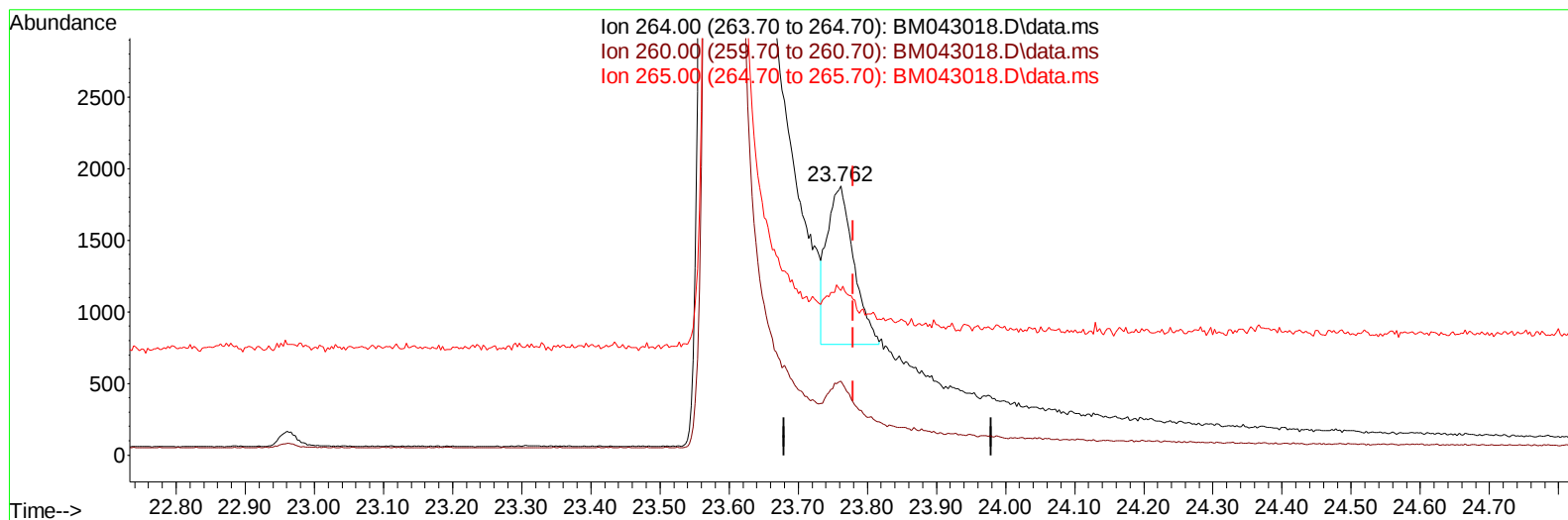
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 Sample : 05336-13  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCKE2

Manual IntegrationsAPPROVED

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TIC: BM043018.D\data.ms

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

23.762min (-0.018) 0.40 ng/ul m

response 2960

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 33.90  | 27.57  |
| 265.00 | 120.30 | 61.10# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112423\  
 Data File : BM043018.D  
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 Operator : MA/JU  
 Sample : 05336-13  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCKE2

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/28/2023  
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| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.817  | 152  | 867m     | 0.400 | ng/ul  | -0.06    |
| 4) Naphthalene-d8           | 10.612 | 136  | 2530     | 0.400 | ng/ul  | #-0.04   |
| 9) Acenaphthene-d10         | 14.456 | 164  | 1675m    | 0.400 | ng/ul  | -0.01    |
| 13) Phenanthrene-d10        | 17.213 | 188  | 3219m    | 0.400 | ng/ul  | -0.02    |
| 17) Chrysene-d12            | 21.420 | 240  | 1891m    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.762 | 264  | 2960m    | 0.400 | ng/ul  | -0.02    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.160  | 96   | 4842     | 3.640 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.229 | 152  | 1282     | 0.379 | ng/ul  | -0.02    |
| 18) Fluoranthene-d10        | 19.244 | 212  | 3143     | 0.456 | ng/ul  | -0.02    |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        | Qvalue   |
| 11) Acenaphthene            | 14.521 | 153  | 152      | 0.023 | ng/ul  | 92       |
| 12) Fluorene                | 15.511 | 166  | 151      | 0.023 | ng/ul# | 88       |
| -----                       |        |      |          |       |        |          |

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

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