

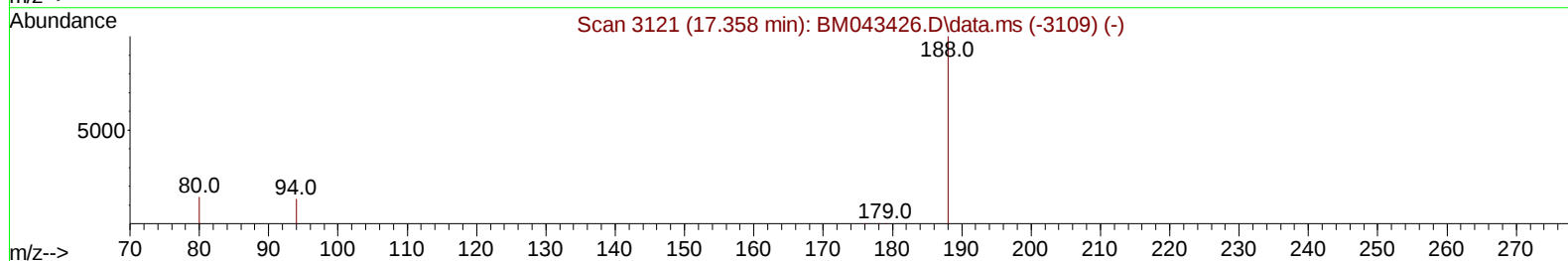
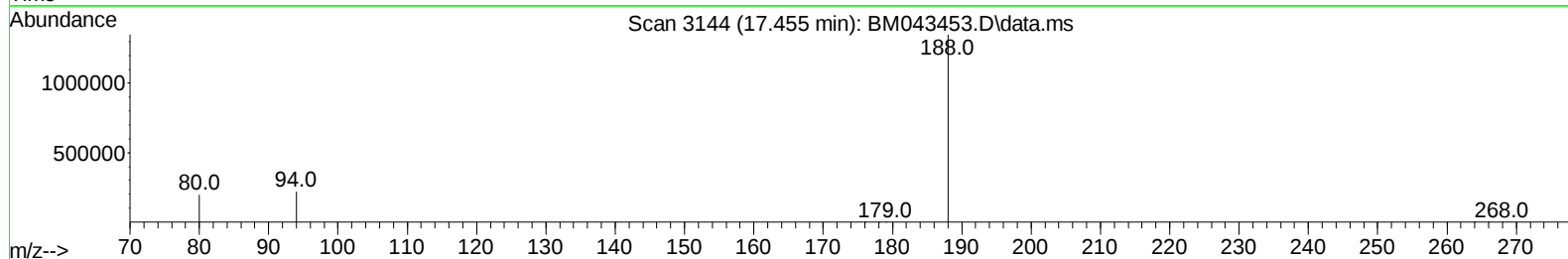
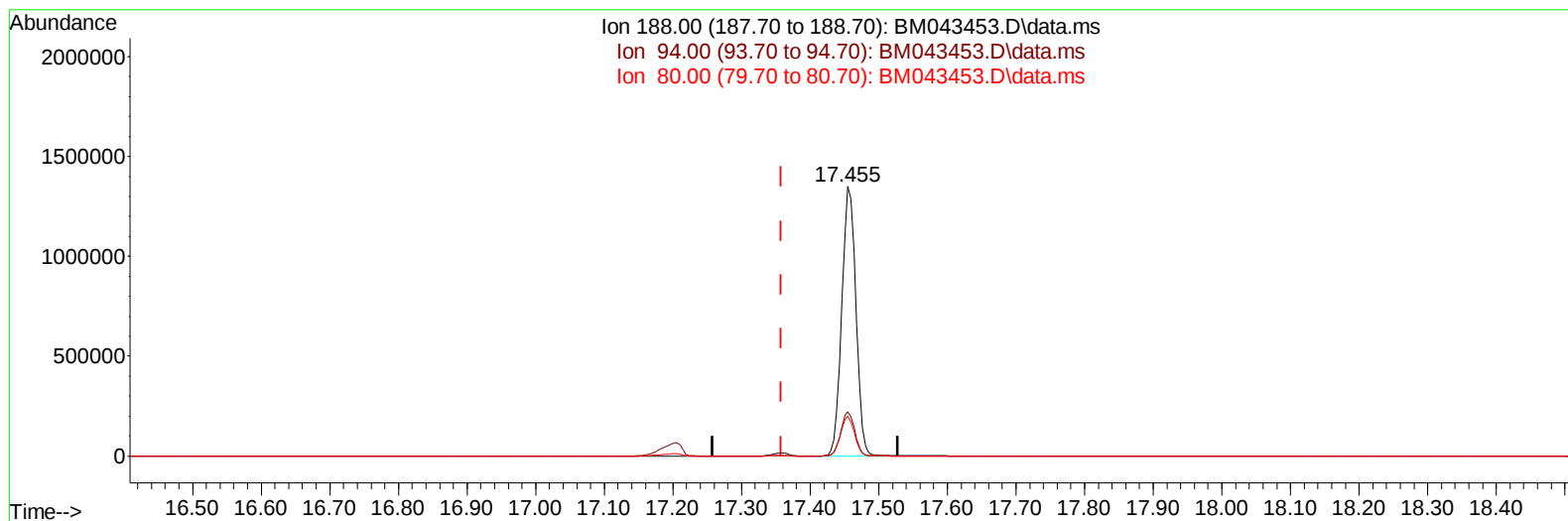
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121923\  
 Data File : BM043453.D  
 Acq On : 20 Dec 2023 08:04  
 Operator : MA/JU  
 Sample : 05894-12  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BH3L8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 08:35:30 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 19 23:32:46 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/20/2023  
 Supervised By :mohammad ahmed 12/22/2023



TIC: BM043453.D\data.ms

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

**17.455min (+ 0.097) 0.40 ng/u1**

**response 1919772**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 12.30  | 16.45# |
| 80.00  | 13.20  | 14.67  |
| 0.00   | 0.00   | 0.00   |

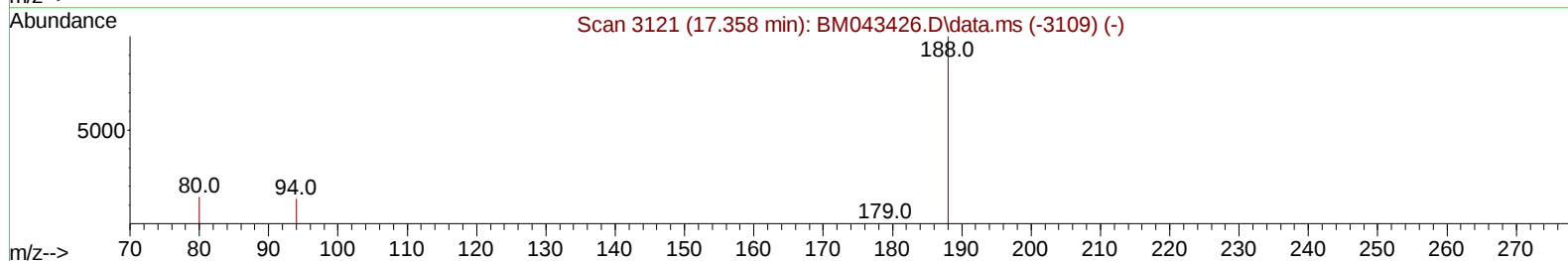
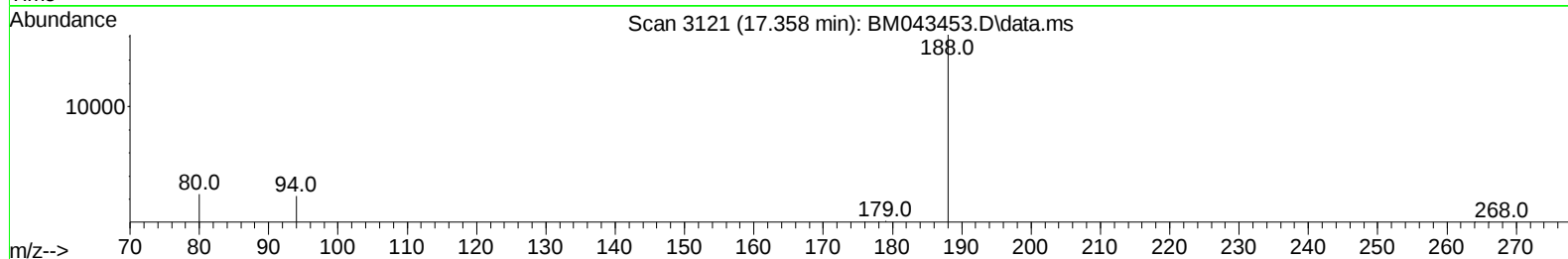
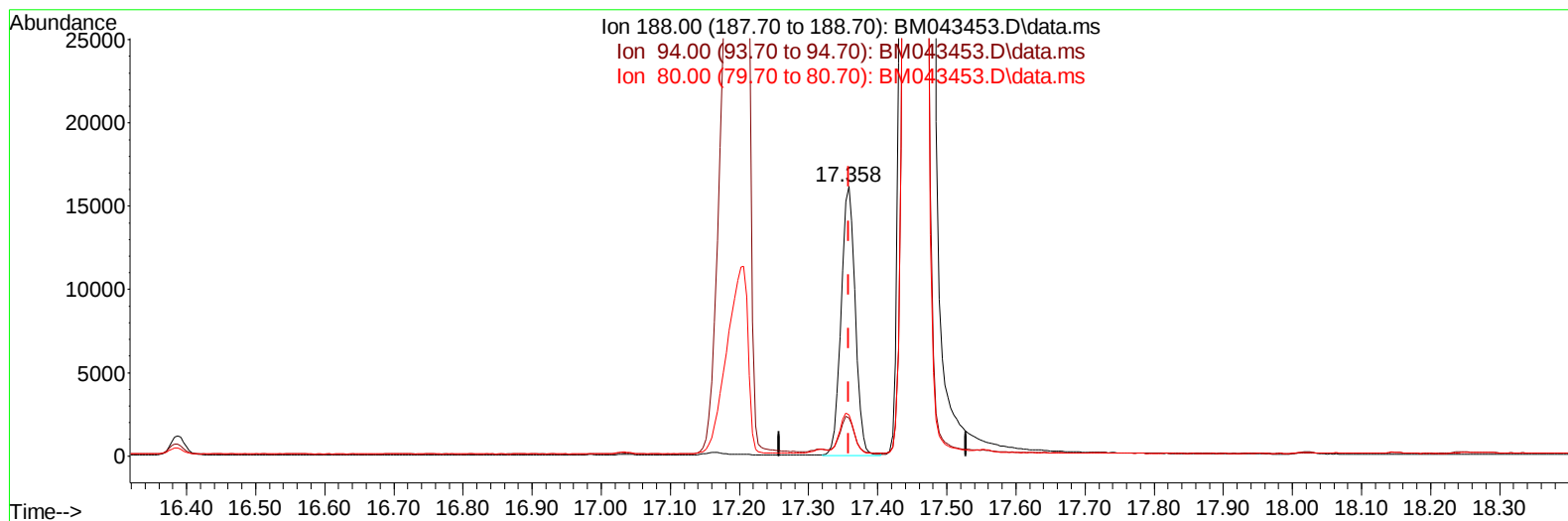
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121923\  
Data File : BM043453.D  
Acq On : 20 Dec 2023 08:04  
Operator : MA/JU  
Sample : 05894-12  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BH3L8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 08:35:30 2023  
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TIC: BM043453.D\data.ms

(13) Phenanthrene-d10 (I)

17.358min (-0.000) 0.40 ng/ul m

response 22863

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 12.30  | 14.11  |
| 80.00  | 13.20  | 15.34  |
| 0.00   | 0.00   | 0.00   |

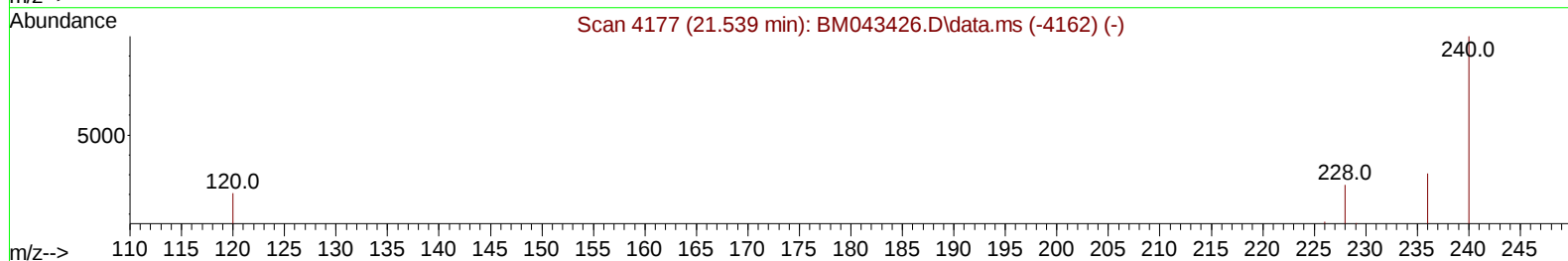
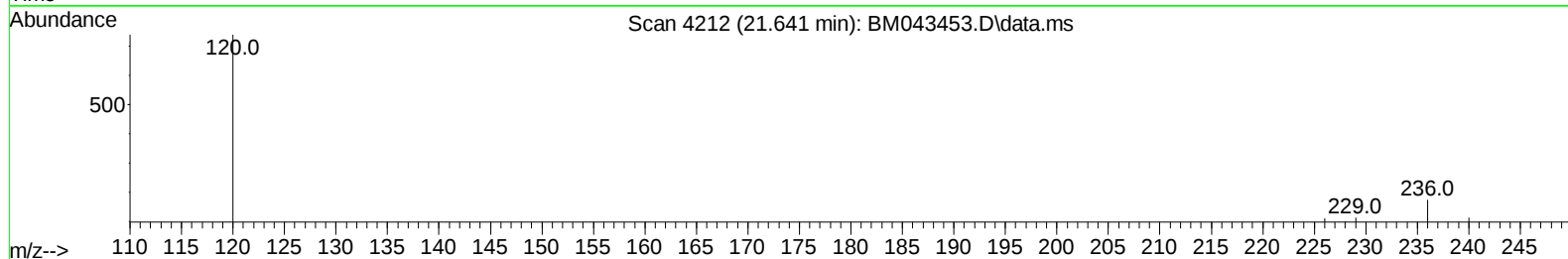
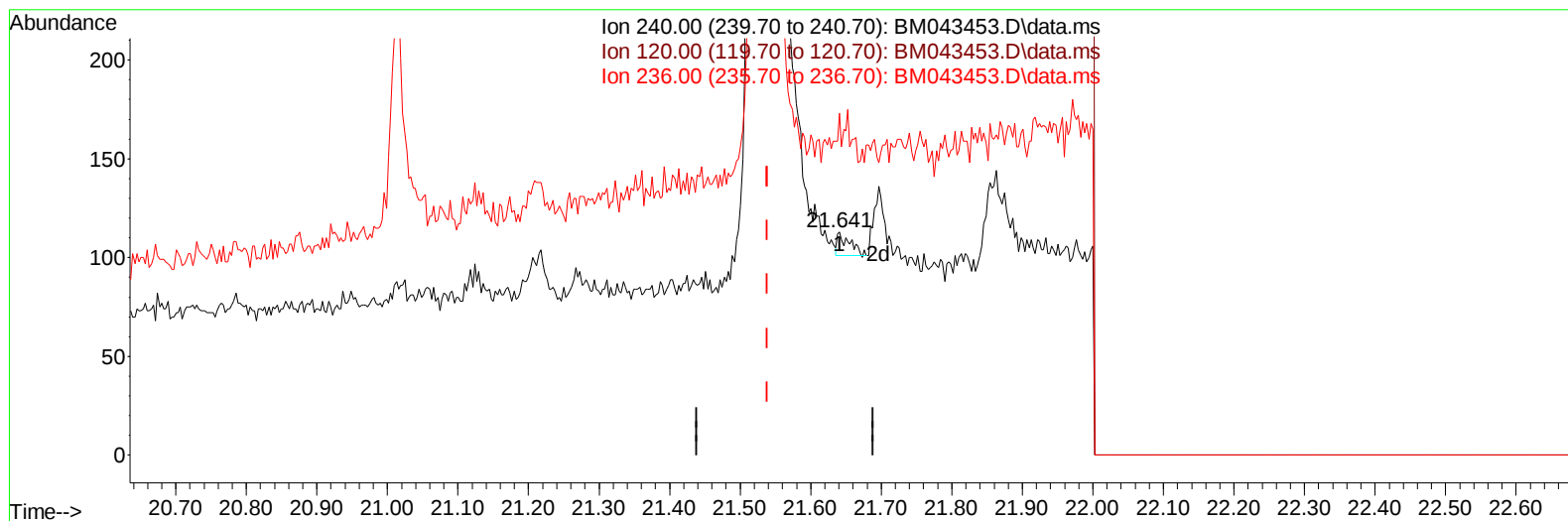
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121923\  
 Data File : BM043453.D  
 Acq On : 20 Dec 2023 08:04  
 Operator : MA/JU  
 Sample : 05894-12  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BH3L8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 08:35:30 2023  
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TIC: BM043453.D\data.ms

(17) Chrysene-d12

21.641min (+ 0.102) 0.40 ng/u1

response 15

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 240.00 | 100.00 | 100.00  |
| 120.00 | 20.60  | 653.10# |
| 236.00 | 31.10  | 153.10# |
| 0.00   | 0.00   | 0.00    |

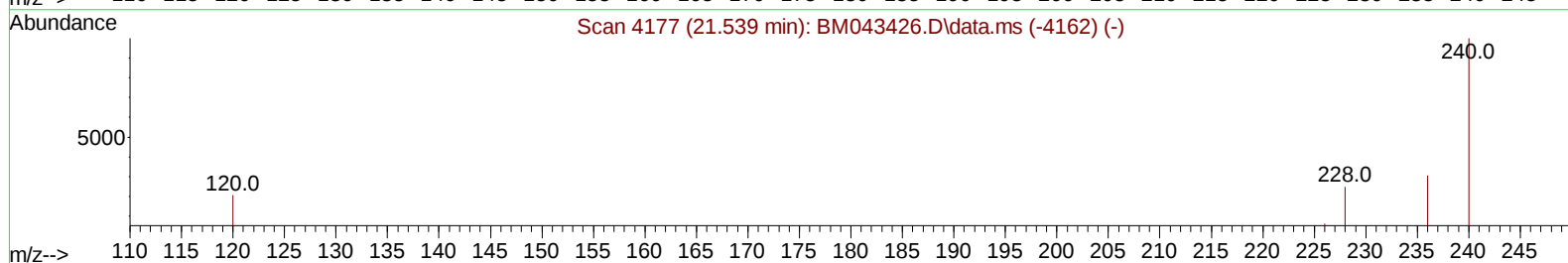
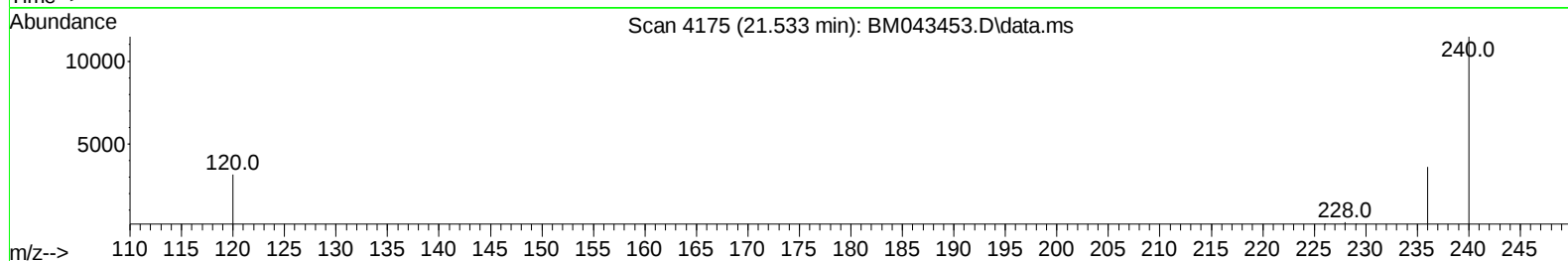
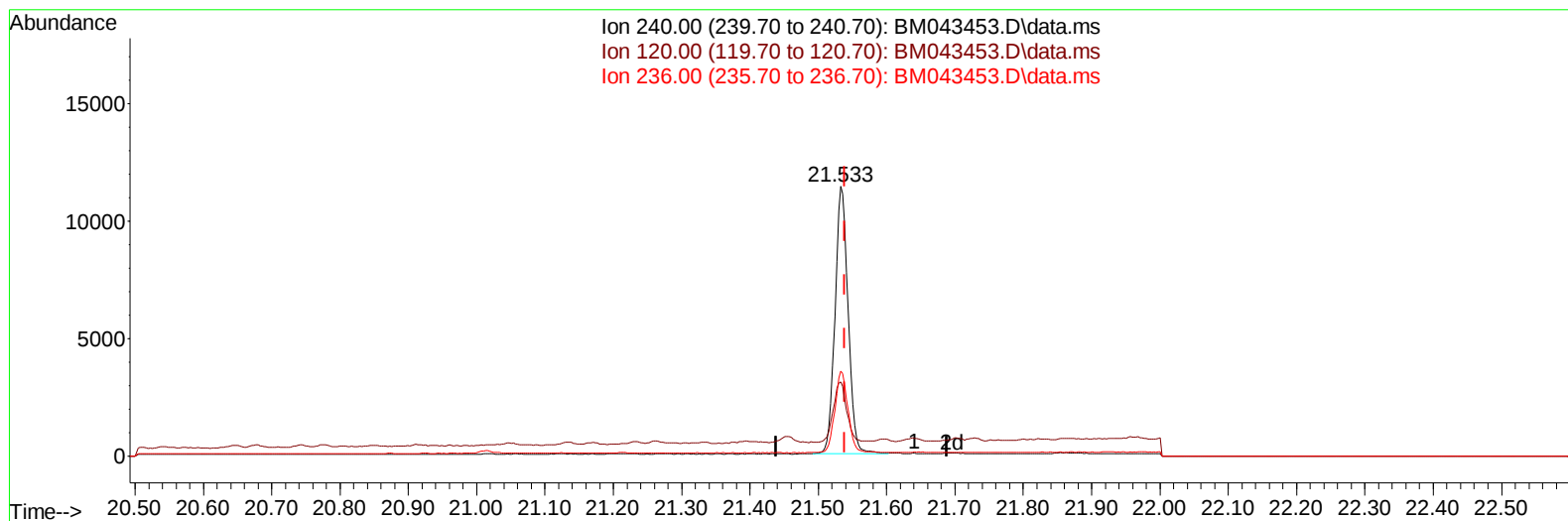
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121923\  
 Data File : BM043453.D  
 Acq On : 20 Dec 2023 08:04  
 Operator : MA/JU  
 Sample : 05894-12  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BH3L8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 08:35:30 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121123.M  
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TIC: BM043453.D\data.ms

(17) Chrysene-d12

21.533min (-0.006) 0.40 ng/ul m

response 15230

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 240.00 | 100.00 | 100.00 |
| 120.00 | 20.60  | 27.38# |
| 236.00 | 31.10  | 31.56  |
| 0.00   | 0.00   | 0.00   |

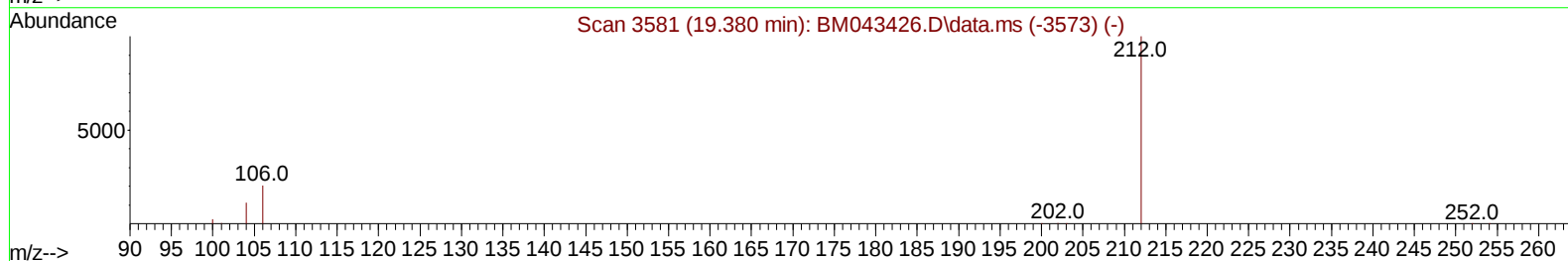
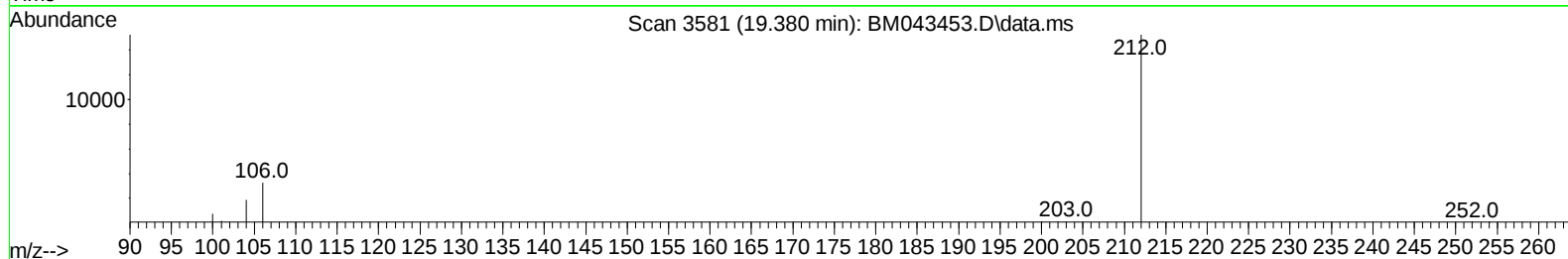
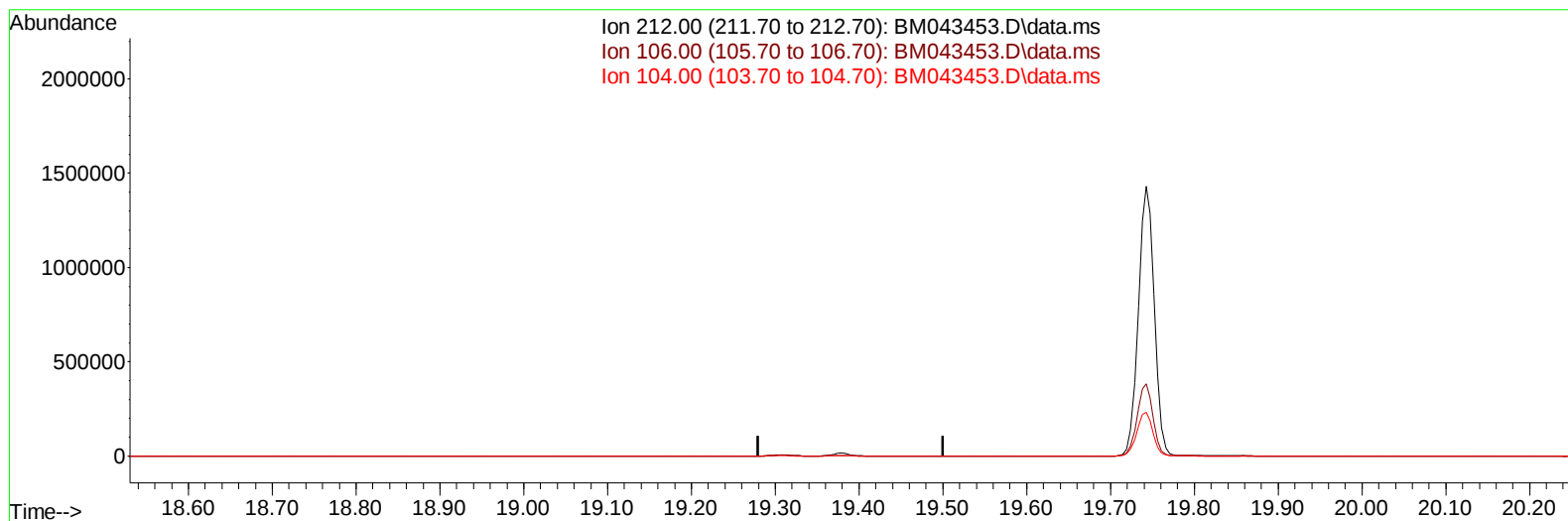
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121923\  
 Data File : BM043453.D  
 Acq On : 20 Dec 2023 08:04  
 Operator : MA/JU  
 Sample : 05894-12  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BH3L8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 08:35:30 2023  
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 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/20/2023  
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TIC: BM043453.D\data.ms

**(18) Fluoranthene-d10 (SURR)**

**19.380min (-19.380) 0.00 ng/u1**

**response 0**

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 212.00 | 100.00 | 0.00  |
| 106.00 | 19.40  | 0.00# |
| 104.00 | 11.00  | 0.00# |
| 0.00   | 0.00   | 0.00  |

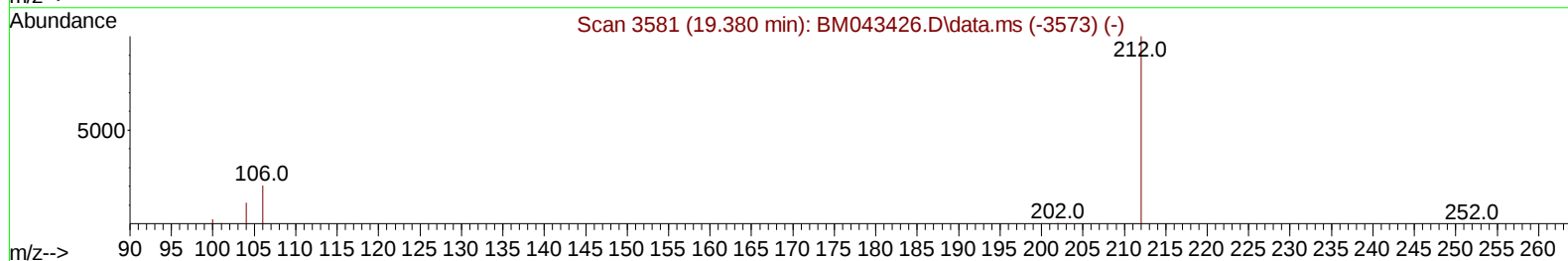
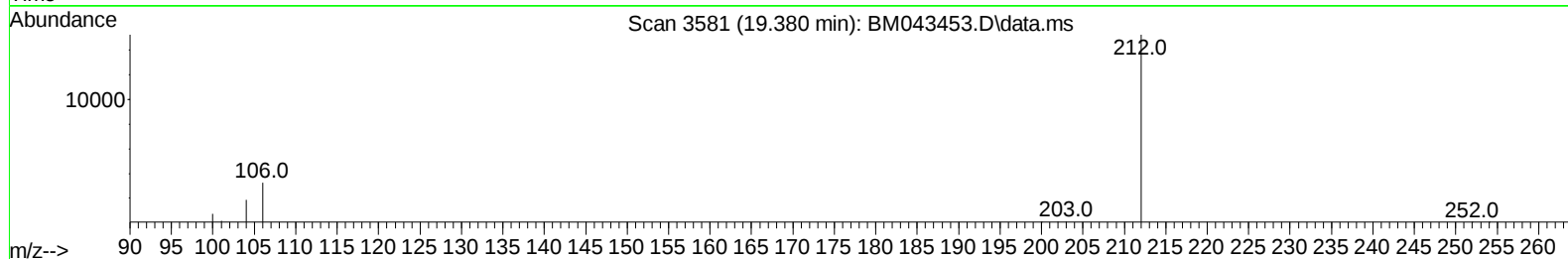
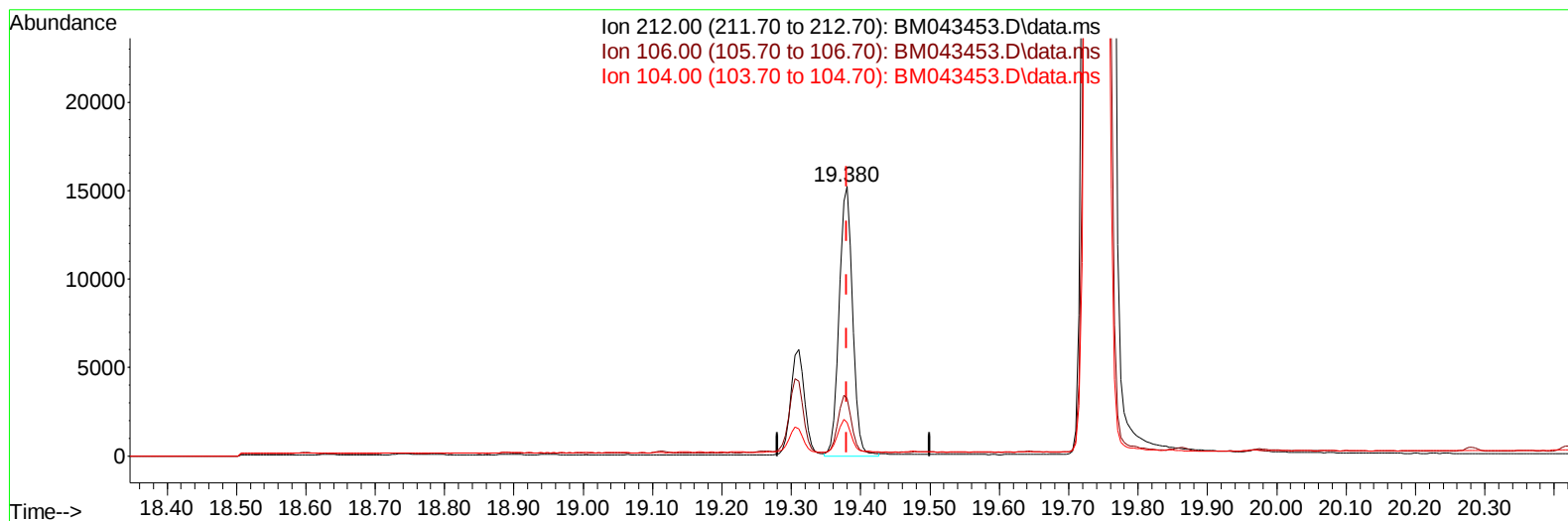
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121923\  
Data File : BM043453.D  
Acq On : 20 Dec 2023 08:04  
Operator : MA/JU  
Sample : 05894-12  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BH3L8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 08:35:30 2023  
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TIC: BM043453.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.380min (-0.000) 0.37 ng/u1 m

response 20187

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 212.00 | 100.00 | 100.00 |
| 106.00 | 19.40  | 0.00#  |
| 104.00 | 11.00  | 0.00#  |
| 0.00   | 0.00   | 0.00   |

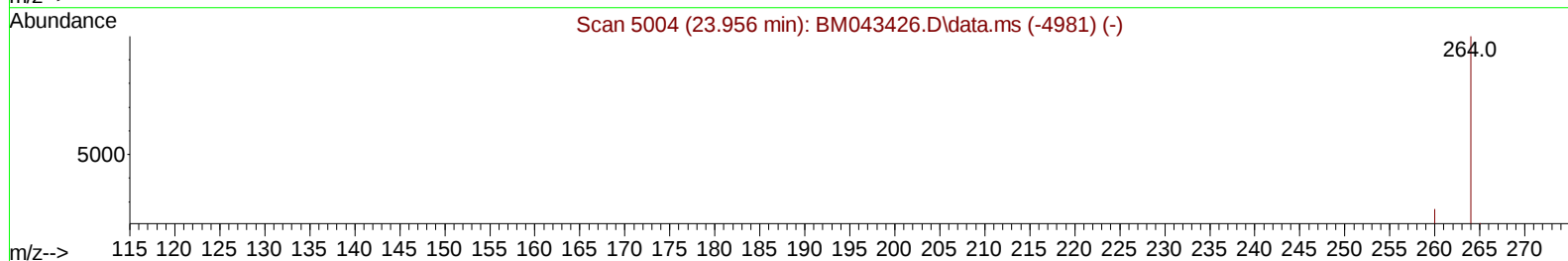
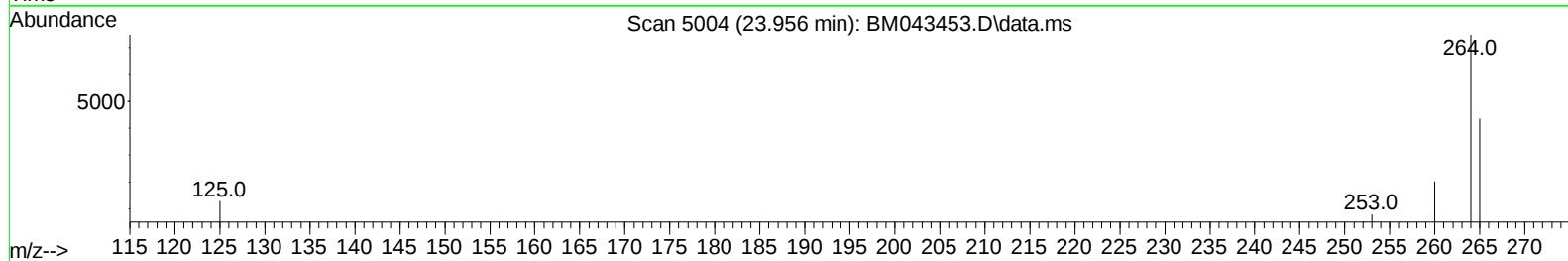
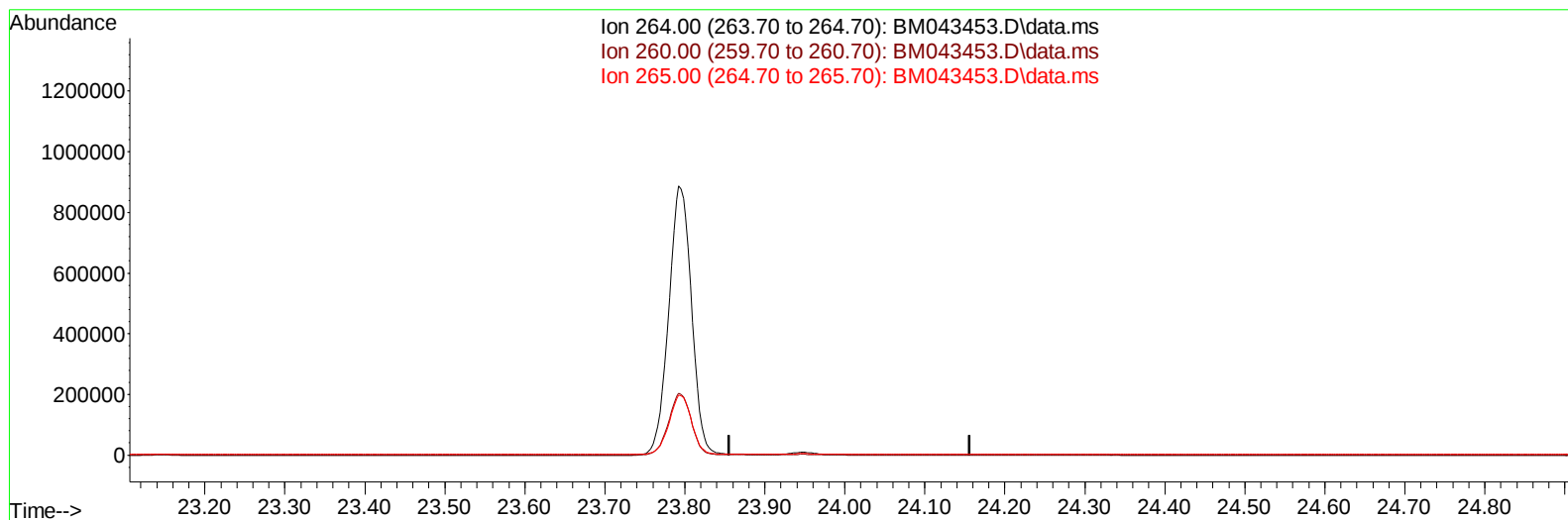
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121923\  
 Data File : BM043453.D  
 Acq On : 20 Dec 2023 08:04  
 Operator : MA/JU  
 Sample : 05894-12  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BH3L8

Manual IntegrationsAPPROVED

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TIC: BM043453.D\data.ms

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

**23.956min (-23.956) 0.00 ng/u1**

**response 0**

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 264.00 | 100.00 | 0.00  |
| 260.00 | 28.30  | 0.00# |
| 265.00 | 39.10  | 0.00# |
| 0.00   | 0.00   | 0.00  |

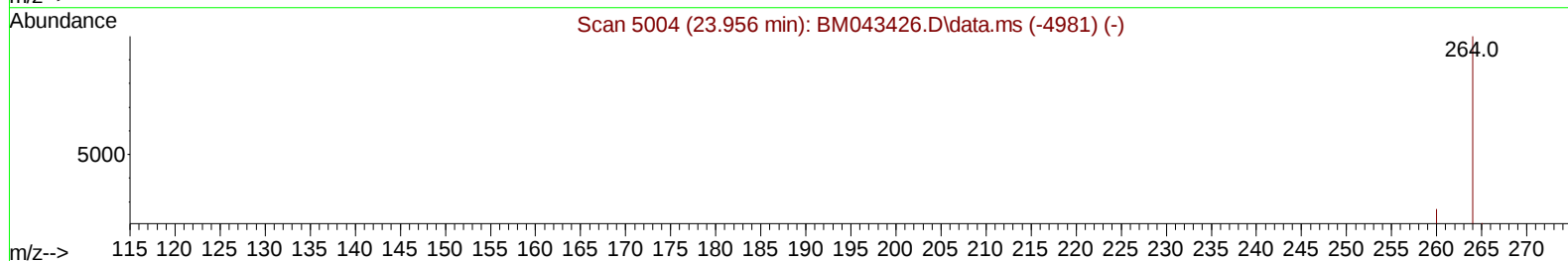
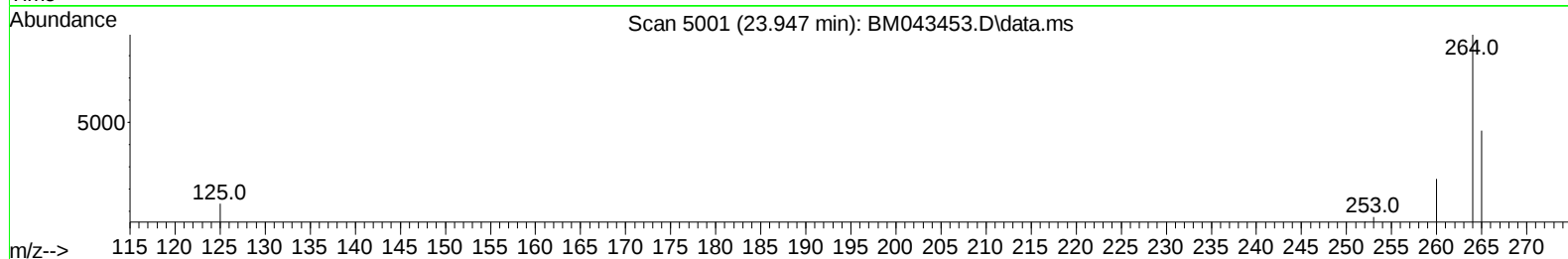
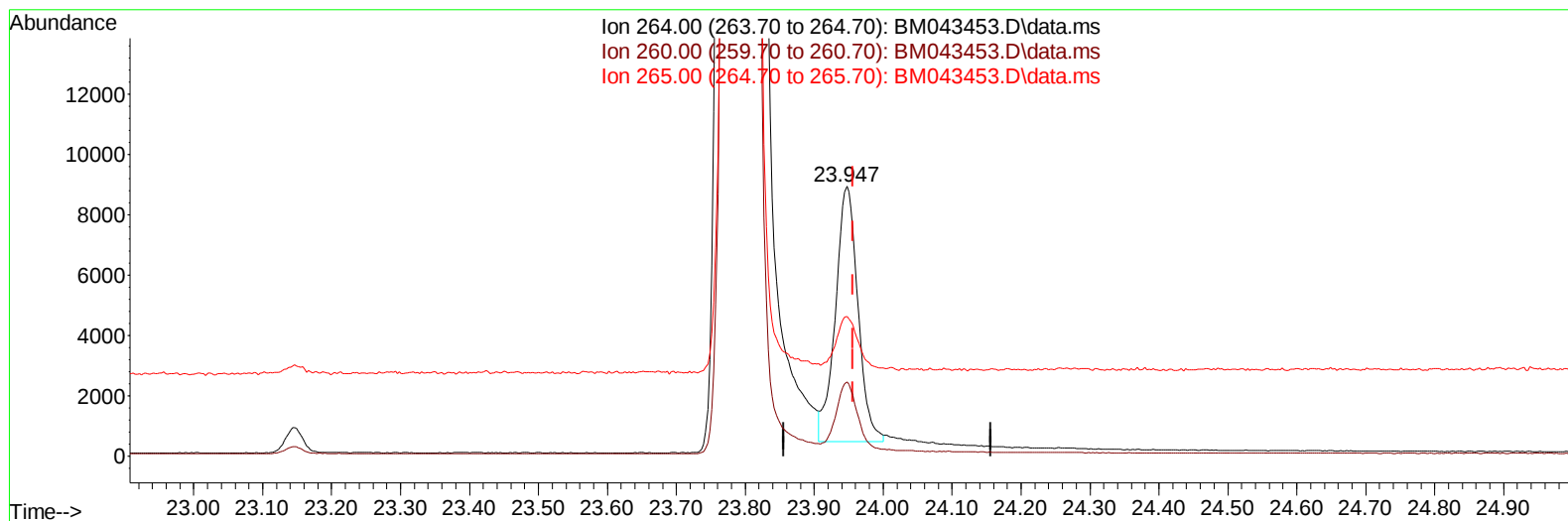
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121923\  
Data File : BM043453.D  
Acq On : 20 Dec 2023 08:04  
Operator : MA/JU  
Sample : 05894-12  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BH3L8

Manual IntegrationsAPPROVED

Quant Time: Dec 20 08:35:30 2023  
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QLast Update : Tue Dec 19 23:32:46 2023  
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Reviewed By :Yogesh Patel 12/20/2023  
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TIC: BM043453.D\data.ms

(23) Perylene-d12 (I)

23.947min (-0.009) 0.40 ng/ul m

response 19112

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 28.30  | 27.45  |
| 265.00 | 39.10  | 51.67# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121923\  
 Data File : BM043453.D  
 Acq On : 20 Dec 2023 08:04  
 Operator : MA/JU  
 Sample : 05894-12  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BH3L8

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/20/2023  
 Supervised By :mohammad ahmed 12/22/2023

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| Compound                    | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-------|-------|----------|
| -----                       |        |      |          |       |       |          |
| Internal Standards          |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.983  | 152  | 6290     | 0.400 | ng/ul | 0.00     |
| 4) Naphthalene-d8           | 10.784 | 136  | 20039    | 0.400 | ng/ul | 0.00     |
| 9) Acenaphthene-d10         | 14.615 | 164  | 10689    | 0.400 | ng/ul | 0.00     |
| 13) Phenanthrene-d10        | 17.358 | 188  | 22863m   | 0.400 | ng/ul | 0.00     |
| 17) Chrysene-d12            | 21.533 | 240  | 15230m   | 0.400 | ng/ul | 0.00     |
| 23) Perylene-d12            | 23.947 | 264  | 19112m   | 0.400 | ng/ul | 0.00     |
|                             |        |      |          |       |       |          |
| System Monitoring Compounds |        |      |          |       |       |          |
| 3) 1,4-Dioxane-d8           | 3.381  | 96   | 32277    | 4.061 | ng/ul | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.374 | 152  | 9573     | 0.337 | ng/ul | 0.00     |
| 18) Fluoranthene-d10        | 19.380 | 212  | 20187m   | 0.371 | ng/ul | 0.00     |

Target Compounds Qvalue

-----

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

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