

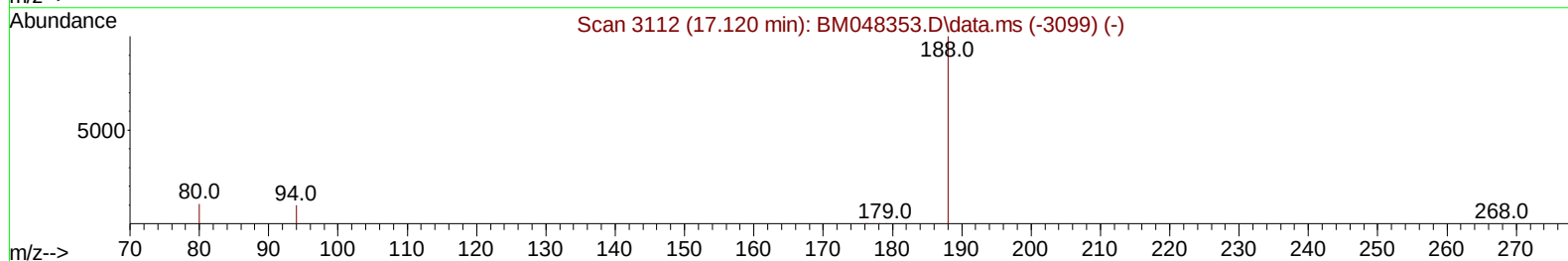
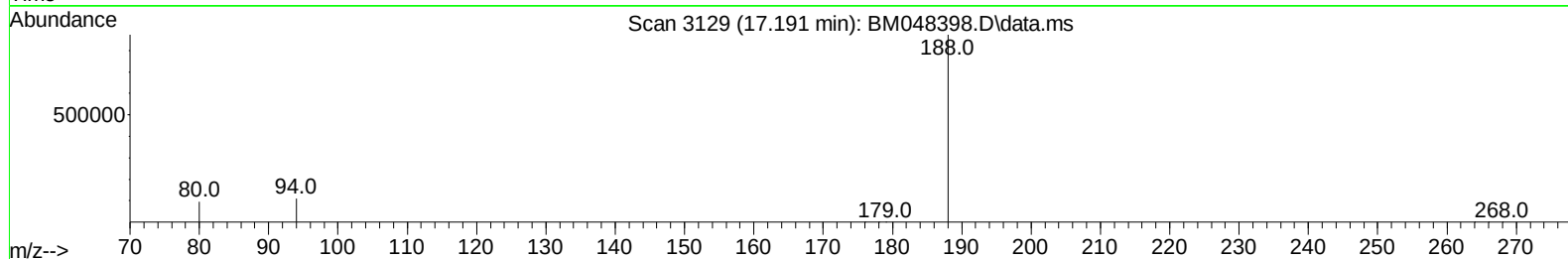
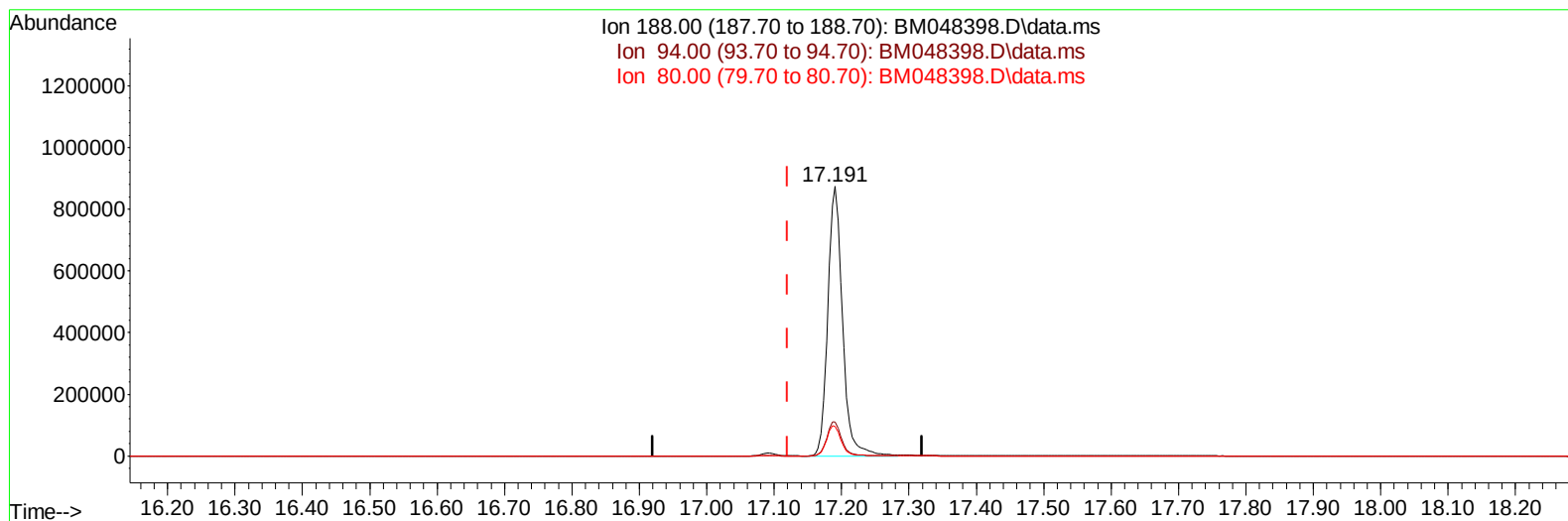
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM103124\  
Data File : BM048398.D  
Acq On : 01 Nov 2024 16:50  
Operator : RC/JU  
Sample : P4534-08  
Misc :  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E1L98

Manual IntegrationsAPPROVED

Quant Time: Nov 03 21:50:03 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM103124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 31 14:58:12 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/04/2024  
Supervised By :mohammad ahmed 11/04/2024



TIC: BM048398.D\data.ms

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

**17.191min (+ 0.071) 0.40 ng/u1**

**response 1320088**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 11.50  | 12.56  |
| 80.00  | 12.10  | 10.89  |
| 0.00   | 0.00   | 0.00   |

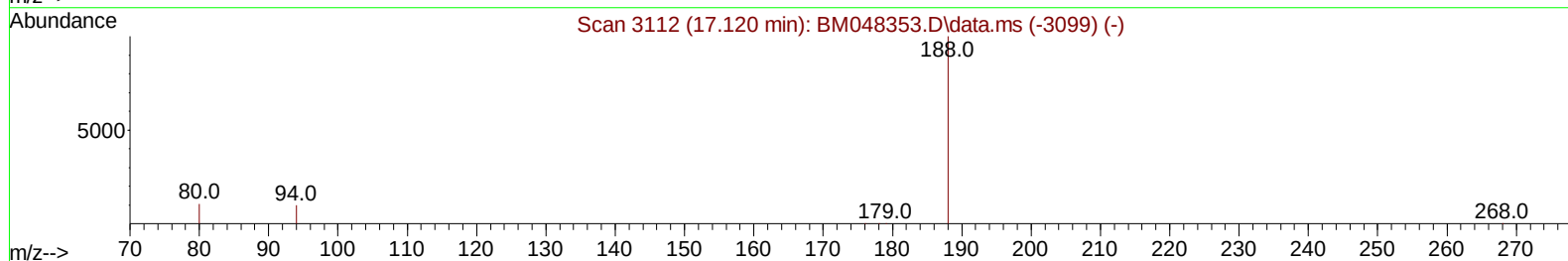
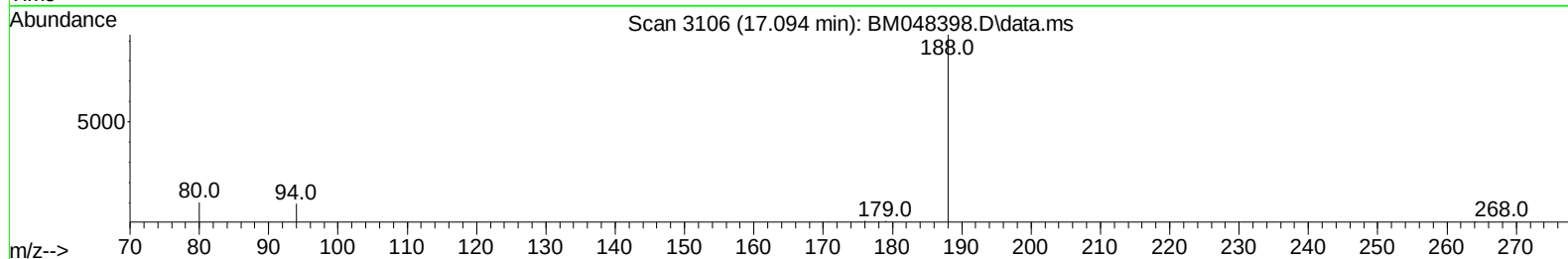
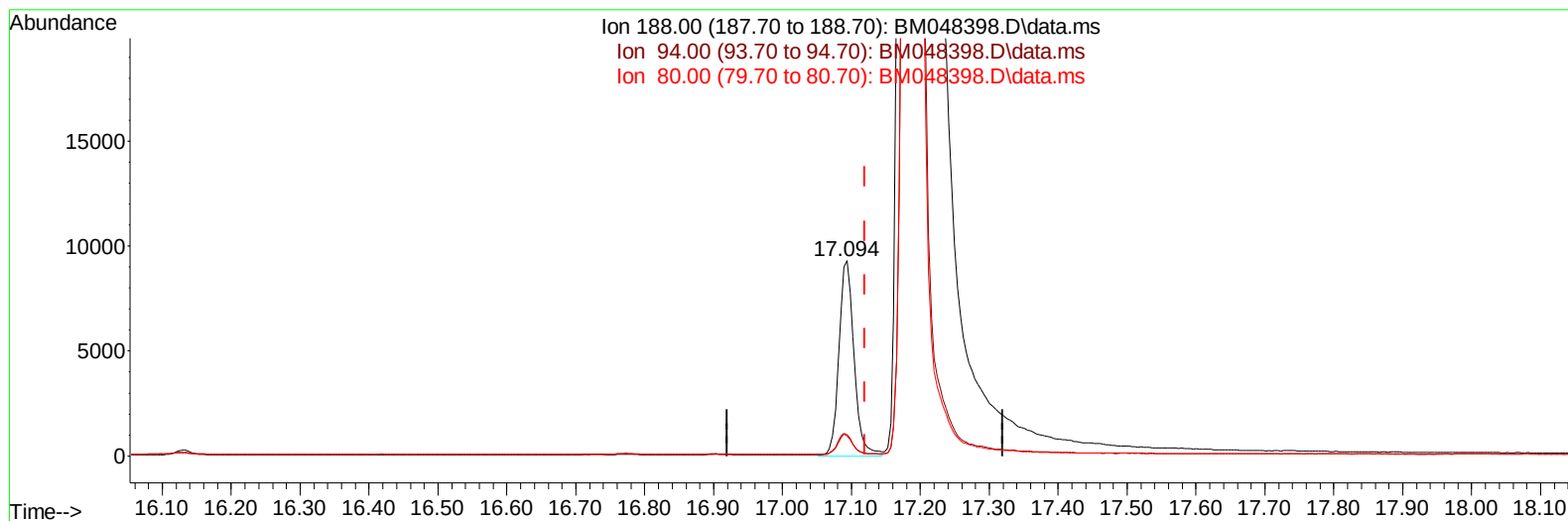
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Acq On : 01 Nov 2024 16:50  
Operator : RC/JU  
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Misc :  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Manual IntegrationsAPPROVED

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TIC: BM048398.D\data.ms

(13) Phenanthrene-d10 (I)

17.094min (-0.027) 0.40 ng/ul m

response 14105

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 11.50  | 10.23  |
| 80.00  | 12.10  | 11.01  |
| 0.00   | 0.00   | 0.00   |

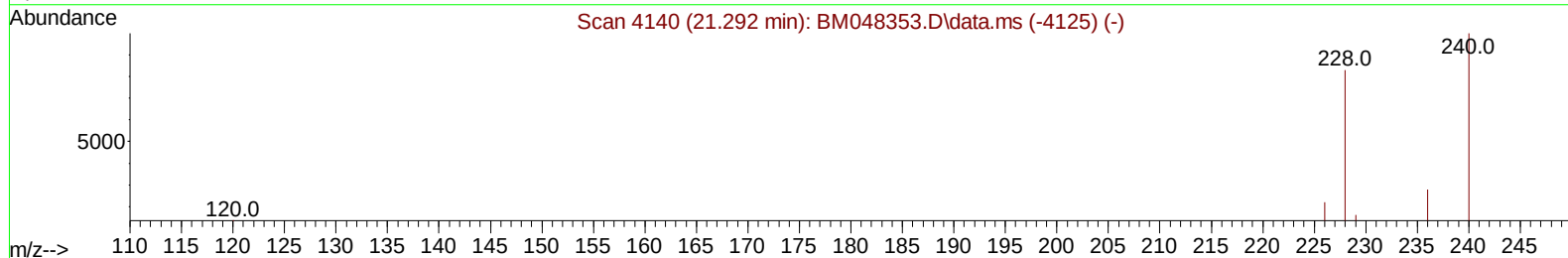
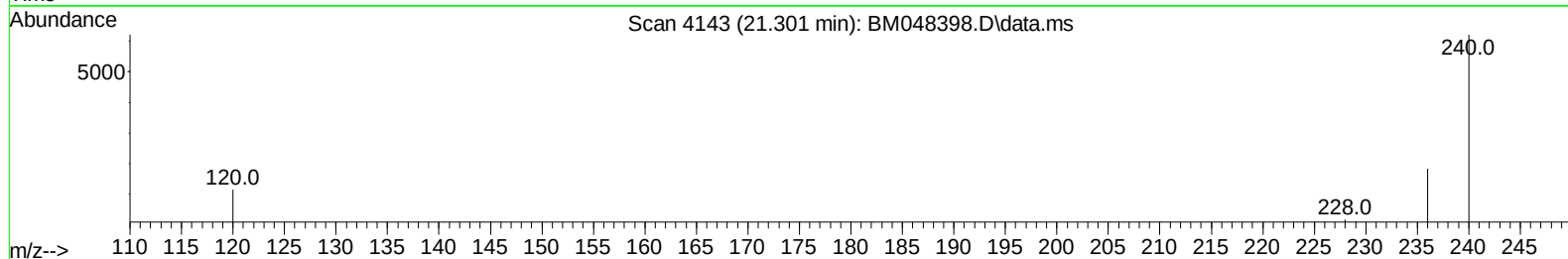
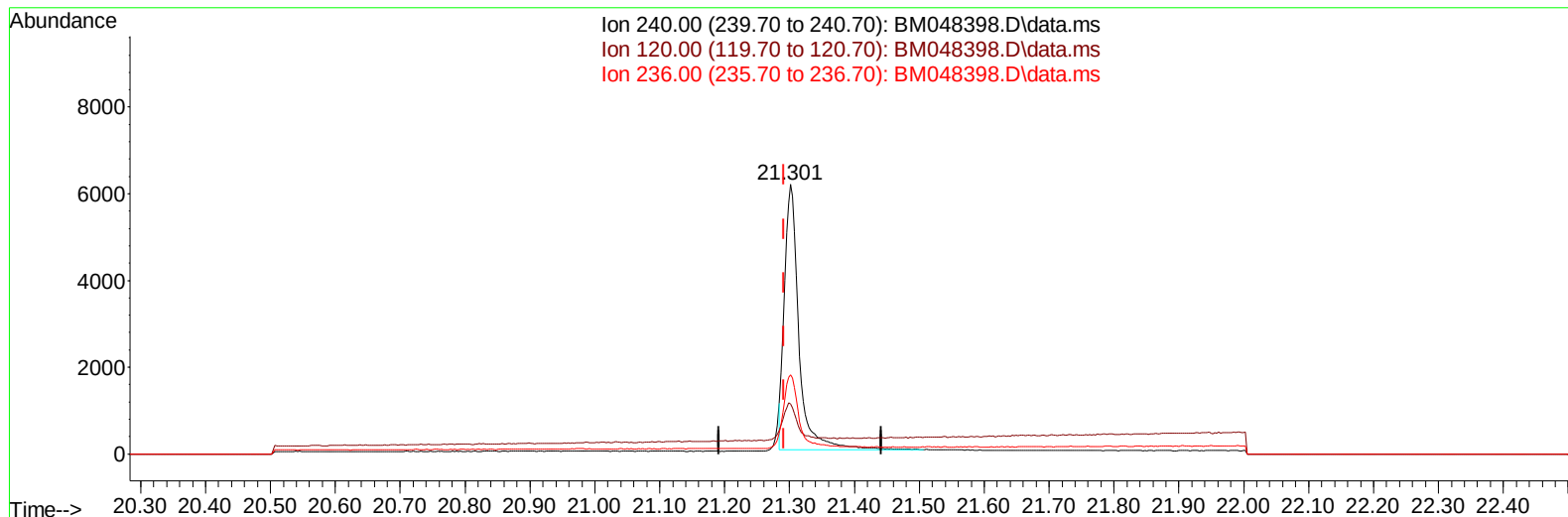
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM103124\  
Data File : BM048398.D  
Acq On : 01 Nov 2024 16:50  
Operator : RC/JU  
Sample : P4534-08  
Misc :  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E1L98

Manual IntegrationsAPPROVED

Quant Time: Nov 03 21:50:03 2024  
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TIC: BM048398.D\data.ms

(17) Chrysene-d12

21.301min (+ 0.009) 0.40 ng/u1

response 9653

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 240.00 | 100.00 | 100.00 |
| 120.00 | 19.00  | 18.59  |
| 236.00 | 29.90  | 29.47  |
| 0.00   | 0.00   | 0.00   |

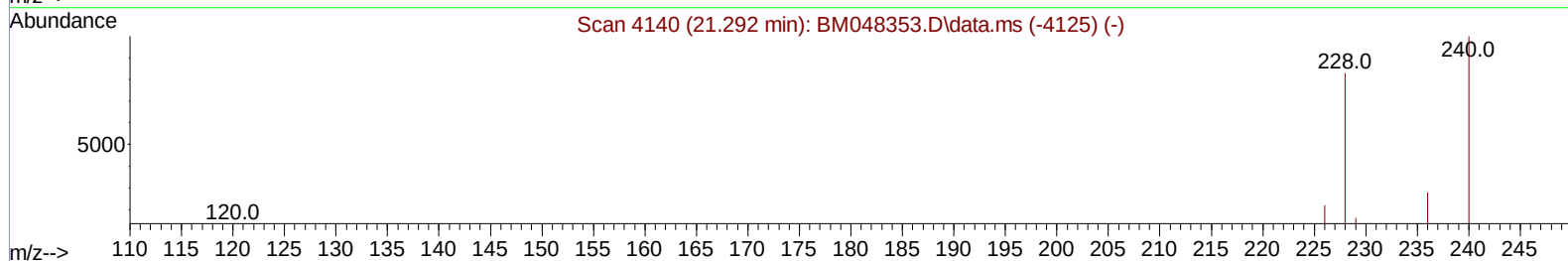
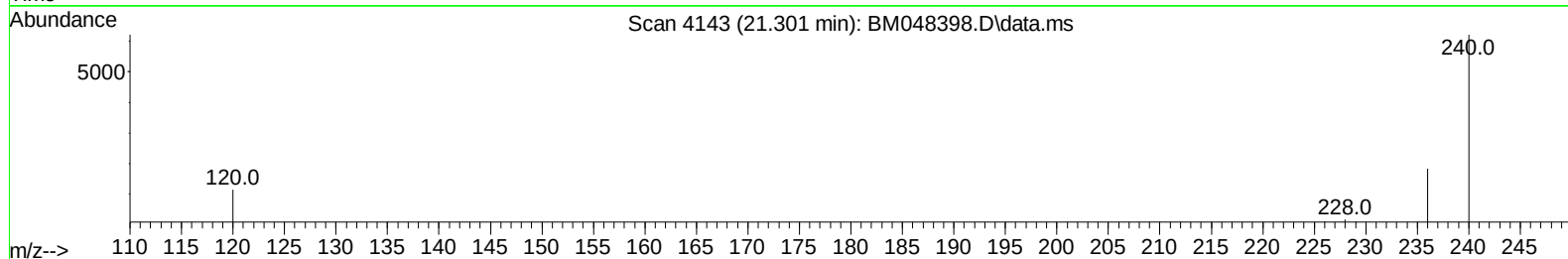
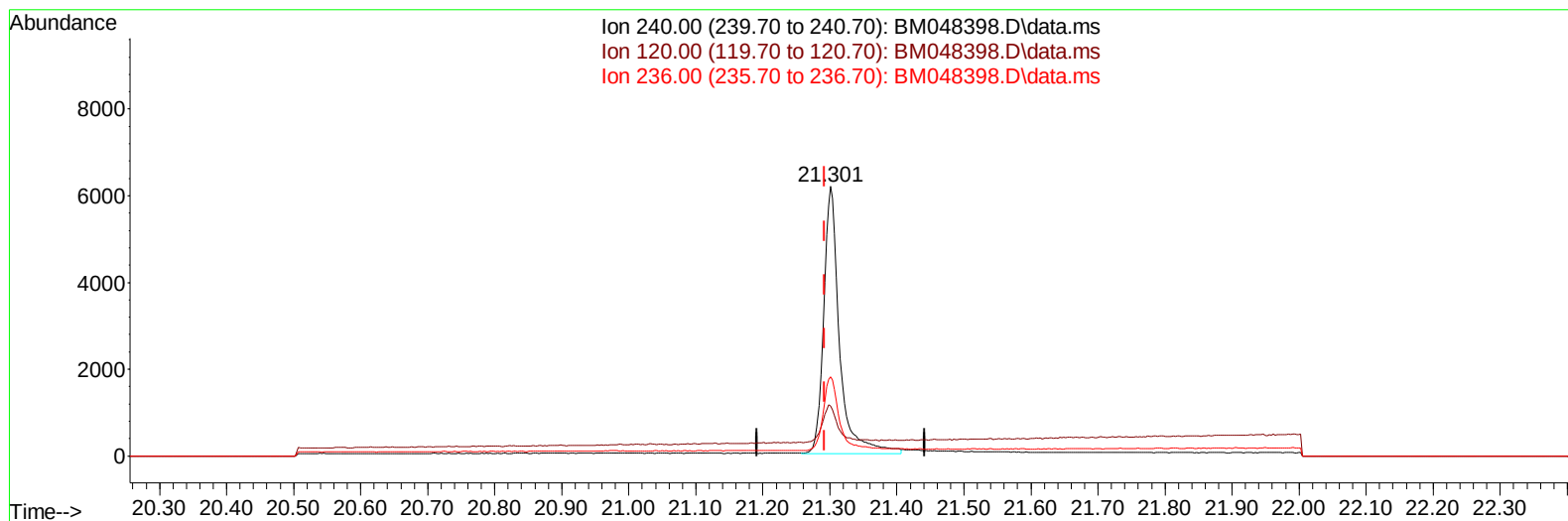
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM103124\  
Data File : BM048398.D  
Acq On : 01 Nov 2024 16:50  
Operator : RC/JU  
Sample : P4534-08  
Misc :  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E1L98

Manual IntegrationsAPPROVED

Quant Time: Nov 03 21:50:03 2024  
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TIC: BM048398.D\data.ms

(17) Chrysene-d12

21.301min (+ 0.009) 0.40 ng/ul m

response 10292

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 240.00 | 100.00 | 100.00 |
| 120.00 | 19.00  | 18.59  |
| 236.00 | 29.90  | 29.47  |
| 0.00   | 0.00   | 0.00   |

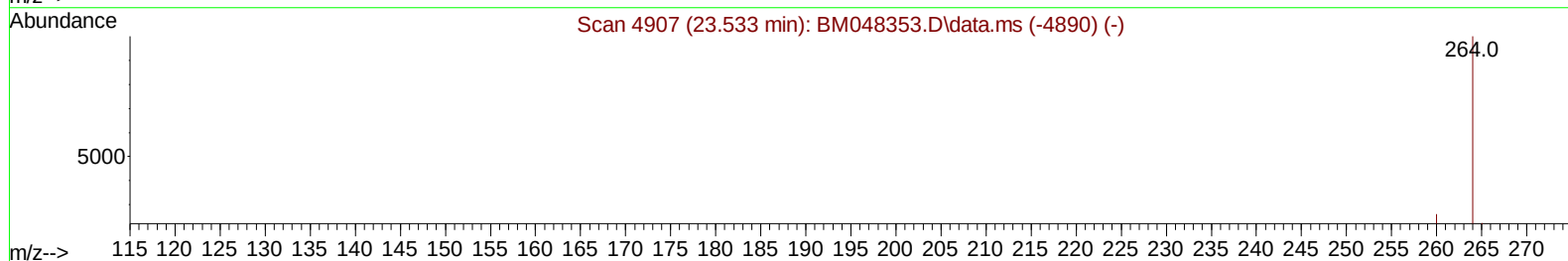
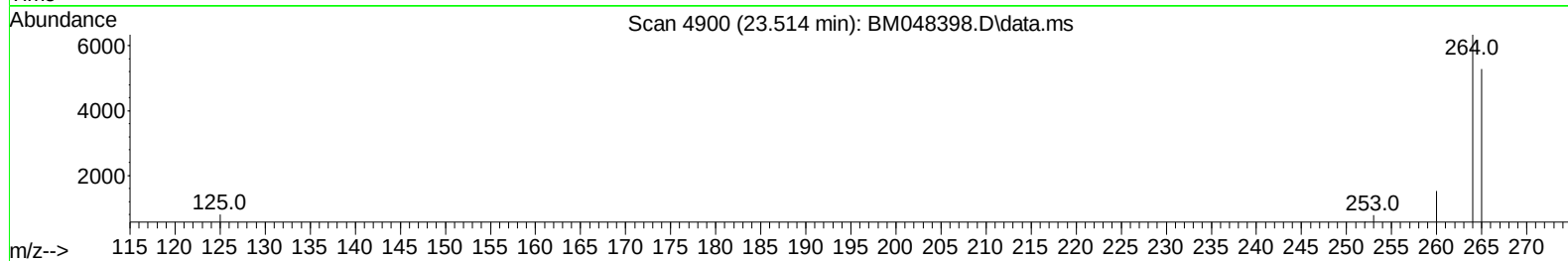
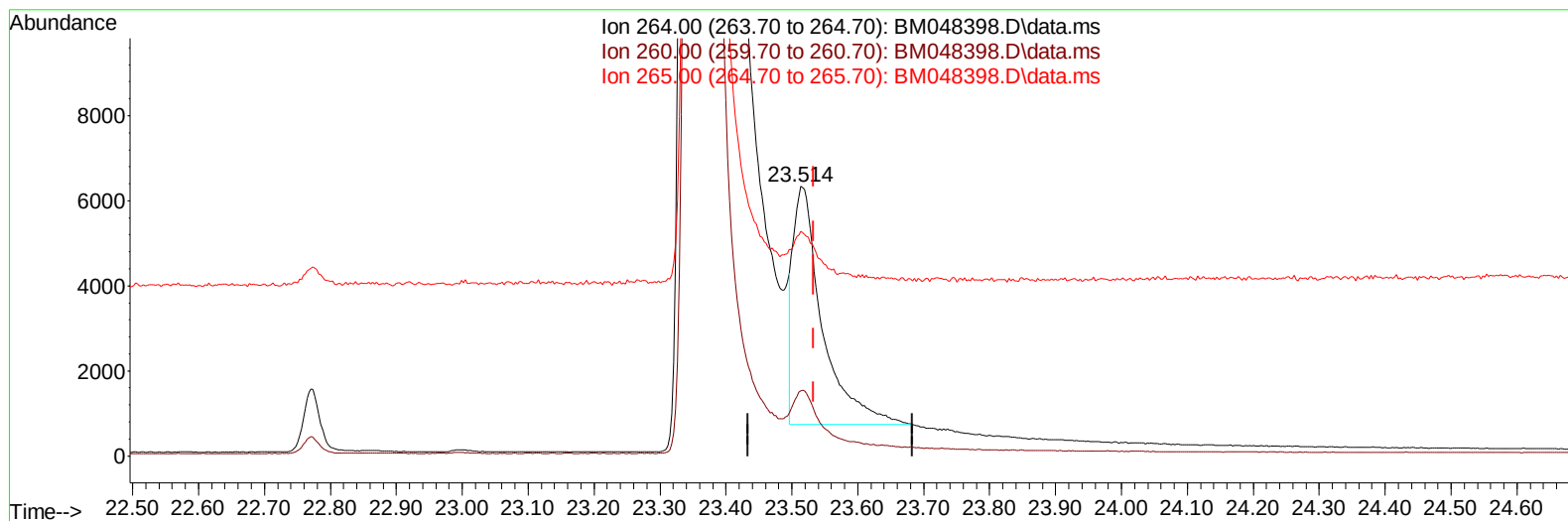
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM103124\  
Data File : BM048398.D  
Acq On : 01 Nov 2024 16:50  
Operator : RC/JU  
Sample : P4534-08  
Misc :  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E1L98

Manual IntegrationsAPPROVED

Quant Time: Nov 03 21:50:03 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM103124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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Response via : Initial Calibration

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TIC: BM048398.D\data.ms

(23) Perylene-d12 (I)

23.514min (-0.020) 0.40 ng/u1

response 17316

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 26.80  | 24.13  |
| 265.00 | 120.80 | 83.43# |
| 0.00   | 0.00   | 0.00   |

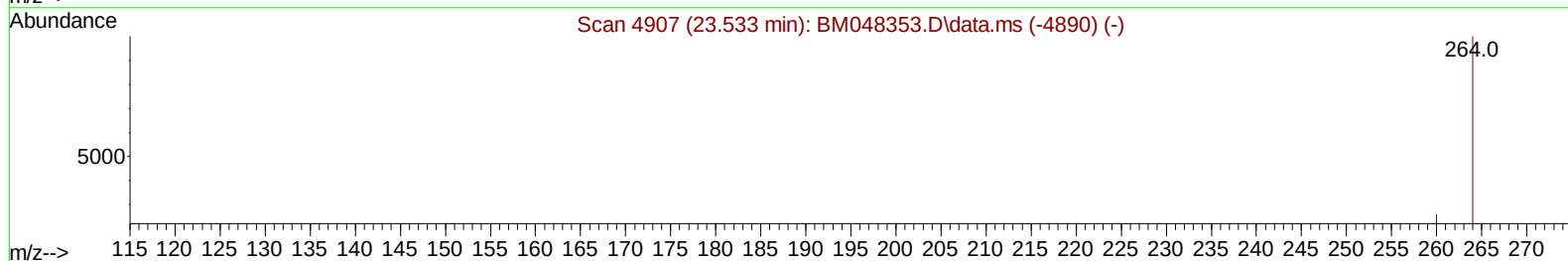
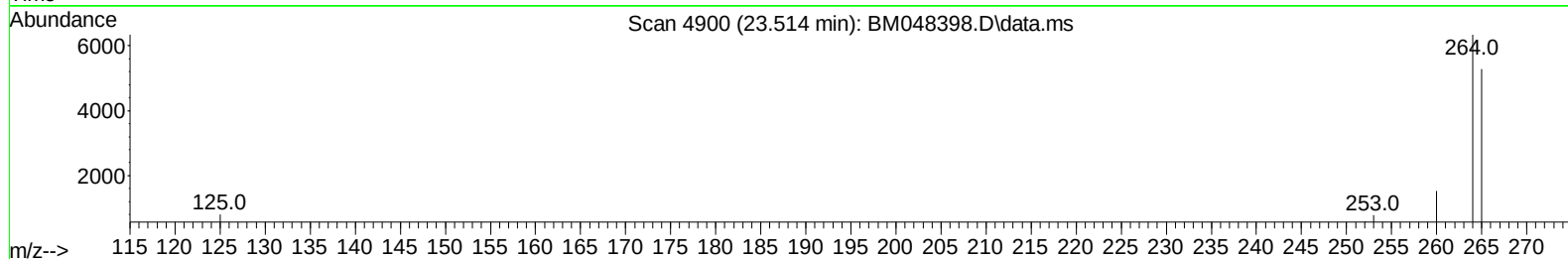
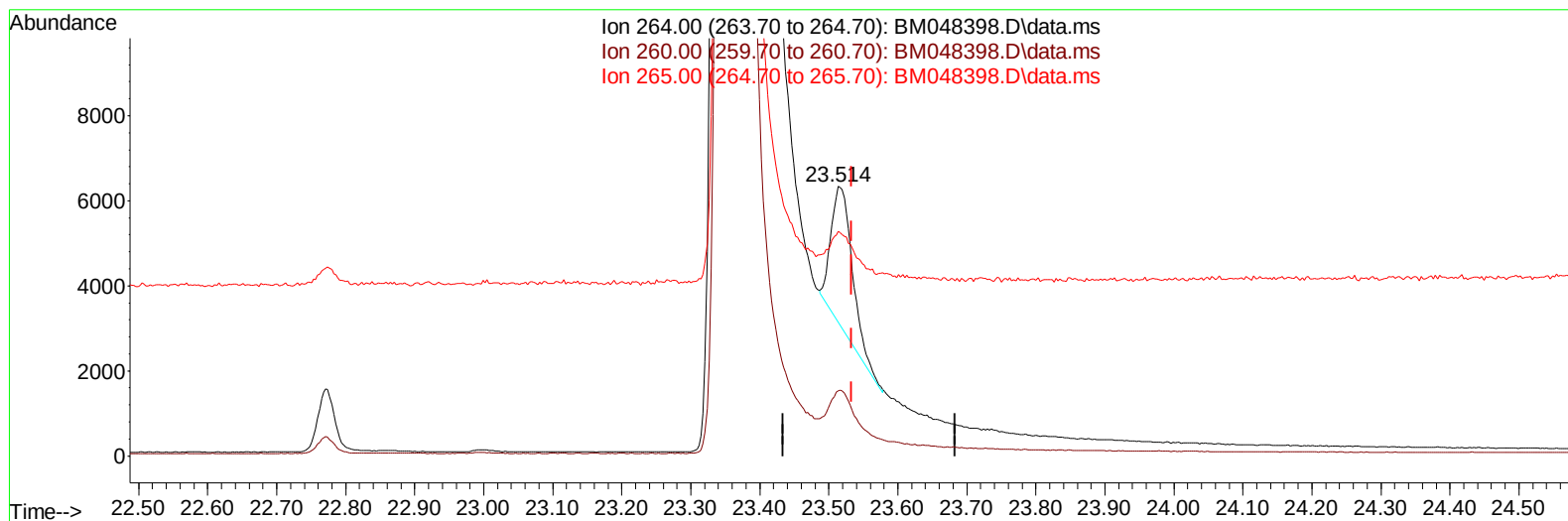
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM103124\  
Data File : BM048398.D  
Acq On : 01 Nov 2024 16:50  
Operator : RC/JU  
Sample : P4534-08  
Misc :  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E1L98

## Manual IntegrationsAPPROVED

Quant Time: Nov 03 21:50:03 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM103124.M  
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QLast Update : Thu Oct 31 14:58:12 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/04/2024  
Supervised By :mohammad ahmed 11/04/2024



TIC: BM048398.D\data.ms

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

23.514min (-0.020) 0.40 ng/ul m

response 6795

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 26.80  | 24.13  |
| 265.00 | 120.80 | 83.43# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM103124\  
 Data File : BM048398.D  
 Acq On : 01 Nov 2024 16:50  
 Operator : RC/JU  
 Sample : P4534-08  
 Misc :  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 E1L98

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024  
 Supervised By :mohammad ahmed 11/04/2024

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 QLast Update : Thu Oct 31 14:58:12 2024  
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| Compound                    | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-------|-------|----------|
| -----                       |        |      |          |       |       |          |
| Internal Standards          |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.708  | 152  | 3981     | 0.400 | ng/ul | -0.04    |
| 4) Naphthalene-d8           | 10.490 | 136  | 12921    | 0.400 | ng/ul | -0.04    |
| 9) Acenaphthene-d10         | 14.348 | 164  | 6951     | 0.400 | ng/ul | #-0.02   |
| 13) Phenanthrene-d10        | 17.094 | 188  | 14105m   | 0.400 | ng/ul | -0.03    |
| 17) Chrysene-d12            | 21.301 | 240  | 10292m   | 0.400 | ng/ul | 0.00     |
| 23) Perylene-d12            | 23.514 | 264  | 6795m    | 0.400 | ng/ul | -0.02    |
| System Monitoring Compounds |        |      |          |       |       |          |
| 3) 1,4-Dioxane-d8           | 3.164  | 96   | 24362    | 4.983 | ng/ul | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.118 | 152  | 5968     | 0.363 | ng/ul | -0.02    |
| 18) Fluoranthene-d10        | 19.122 | 212  | 16338    | 0.625 | ng/ul | -0.02    |

|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
|------------------|--------|

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

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Sample : P4534-08  
Misc :  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
BNA\_M  
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Manual IntegrationsAPPROVED

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