

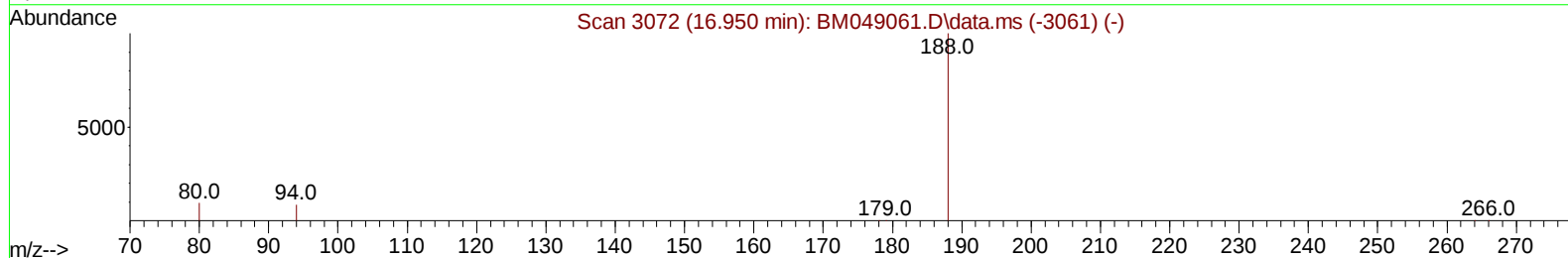
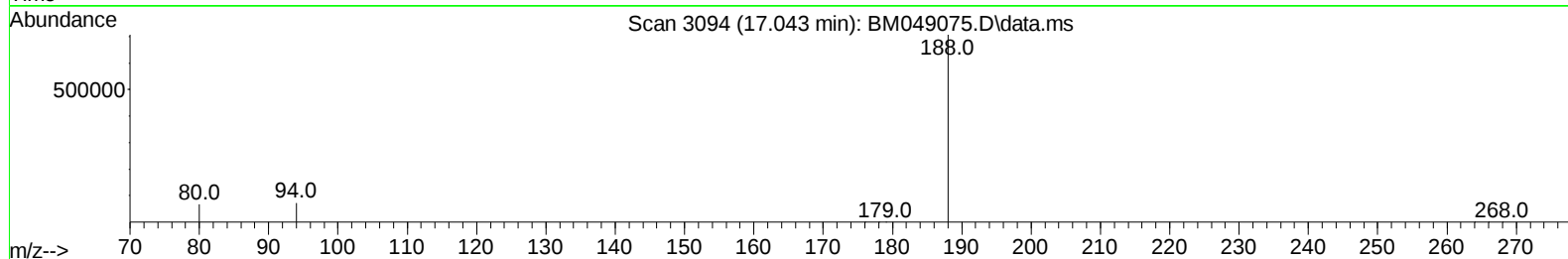
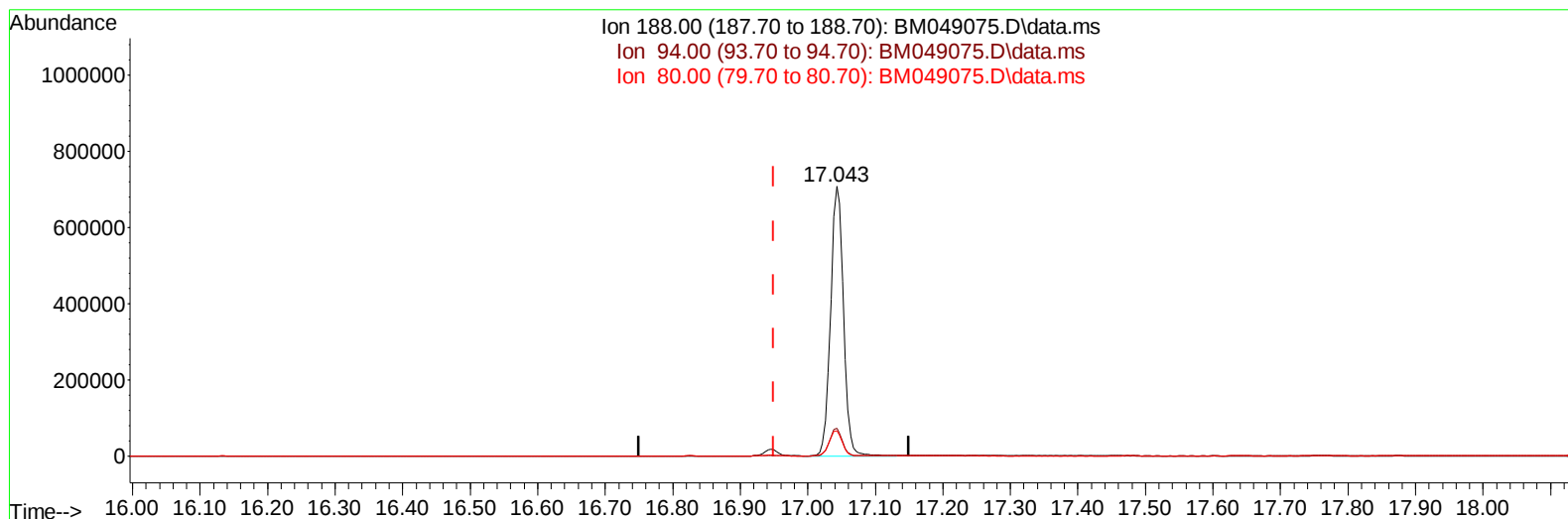
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121924\  
Data File : BM049075.D  
Acq On : 19 Dec 2024 17:54  
Operator : RC/JU  
Sample : P5226-20  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E2AQ6

Manual IntegrationsAPPROVED

Quant Time: Dec 19 22:23:21 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 18 15:33:13 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/21/2024  
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049075.D\data.ms

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

**17.043min (+ 0.093) 0.40 ng/u1**

**response 941216**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 9.80   | 10.19  |
| 80.00  | 10.70  | 9.37   |
| 0.00   | 0.00   | 0.00   |

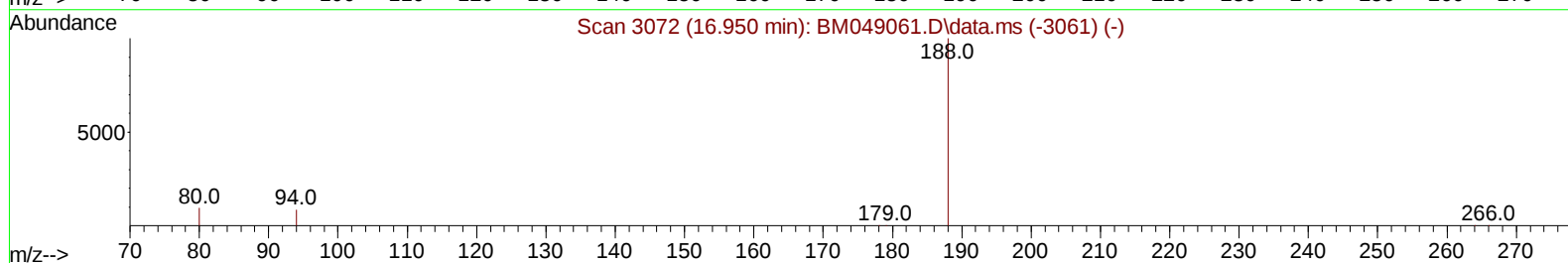
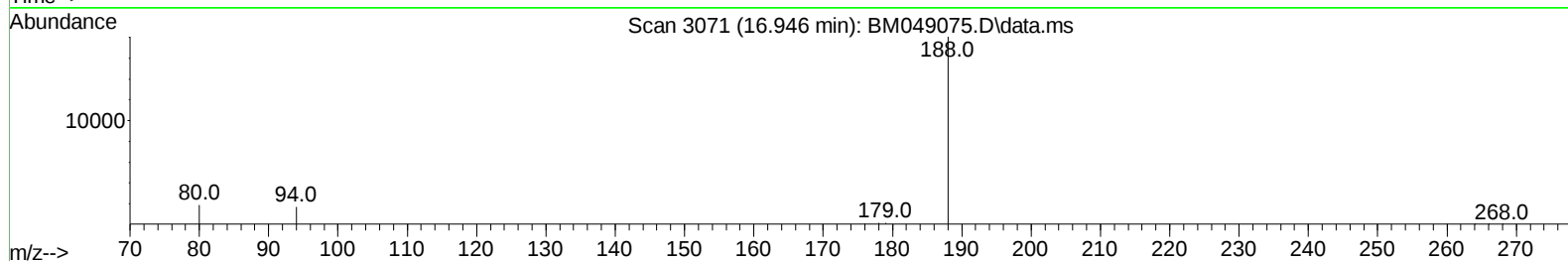
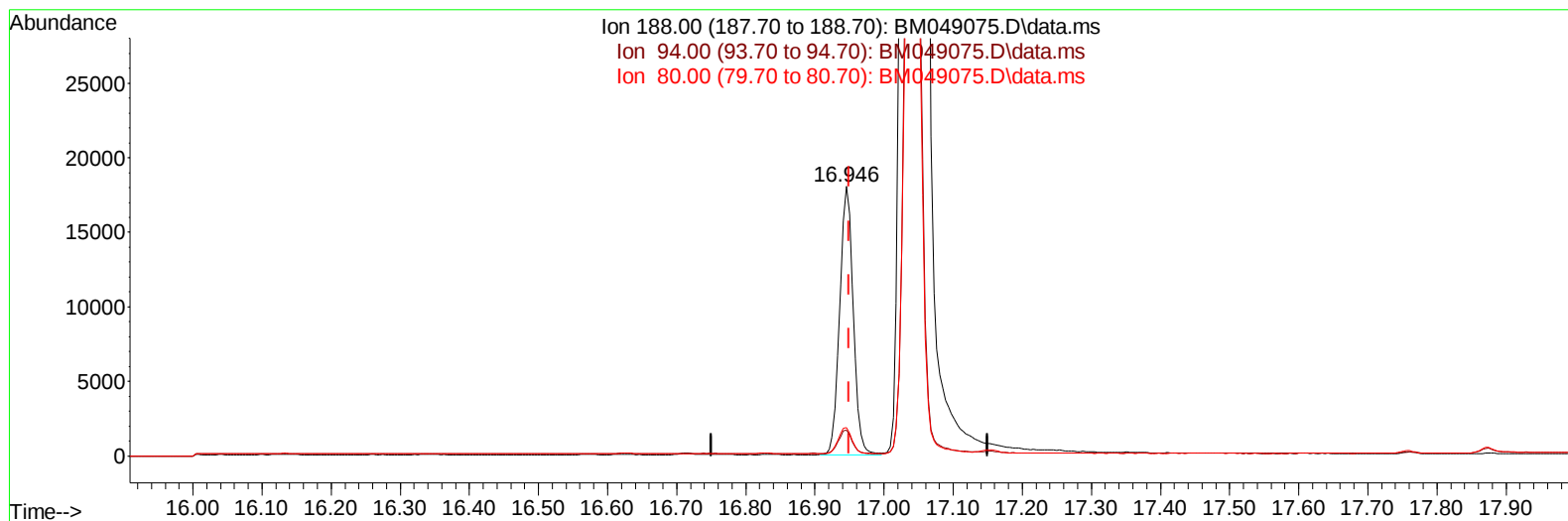
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121924\  
Data File : BM049075.D  
Acq On : 19 Dec 2024 17:54  
Operator : RC/JU  
Sample : P5226-20  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E2AQ6

Manual IntegrationsAPPROVED

Quant Time: Dec 19 22:23:21 2024  
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Reviewed By :Yogesh Patel 12/21/2024  
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049075.D\data.ms

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

**16.946min (-0.004) 0.40 ng/ul m**

**response 24490**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 9.80   | 9.50   |
| 80.00  | 10.70  | 10.50  |
| 0.00   | 0.00   | 0.00   |

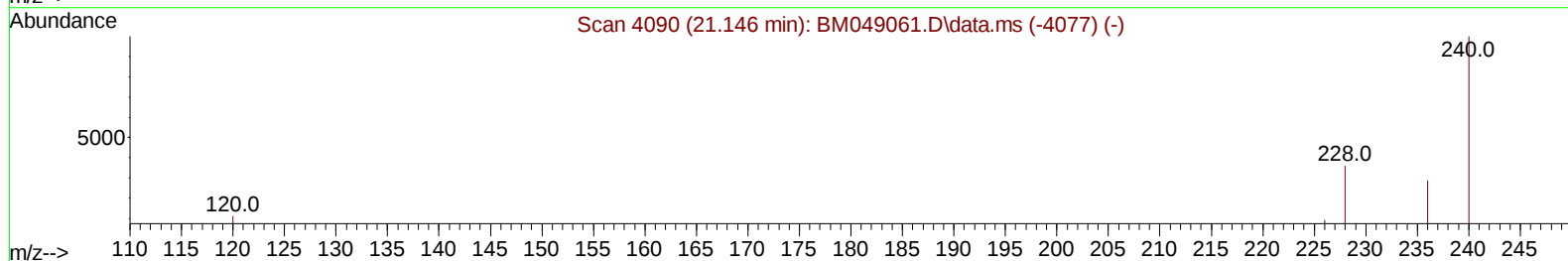
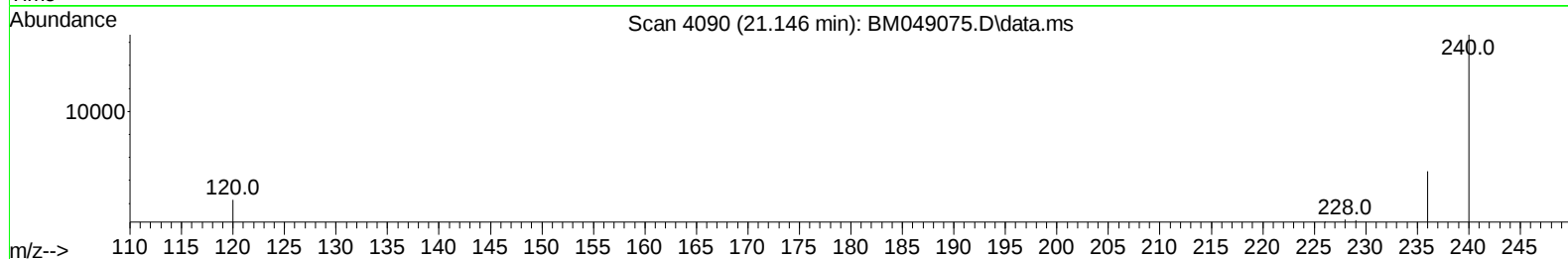
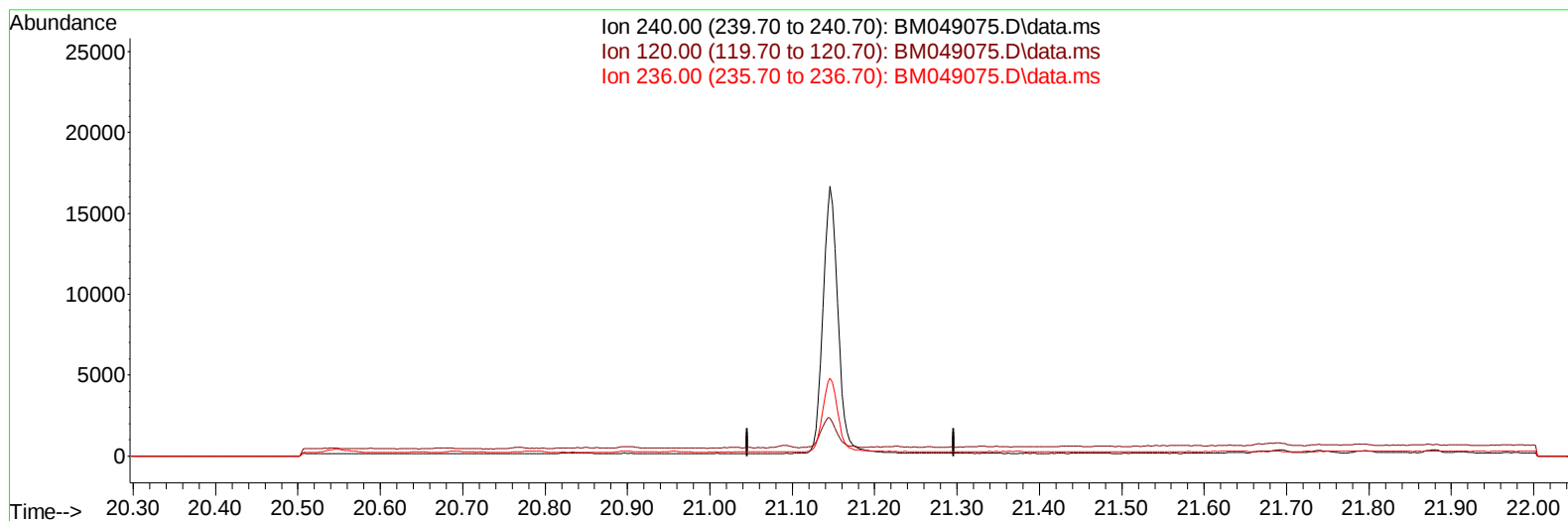
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121924\  
Data File : BM049075.D  
Acq On : 19 Dec 2024 17:54  
Operator : RC/JU  
Sample : P5226-20  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E2AQ6

Manual IntegrationsAPPROVED

Quant Time: Dec 19 22:23:21 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
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Reviewed By :Yogesh Patel 12/21/2024  
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TIC: BM049075.D\data.ms

(17) Chrysene-d12

21.146min (-21.146) 0.00 ng/u1

response 0

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 240.00 | 100.00 | 0.00  |
| 120.00 | 14.50  | 0.00# |
| 236.00 | 29.80  | 0.00# |
| 0.00   | 0.00   | 0.00  |

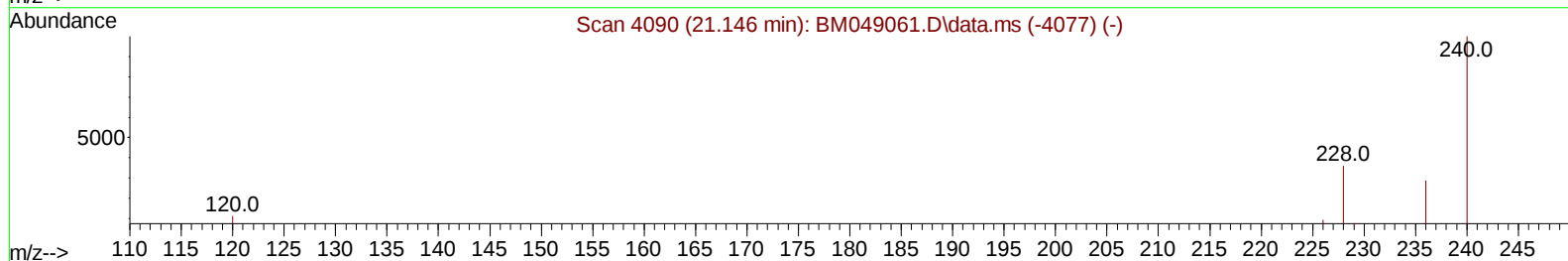
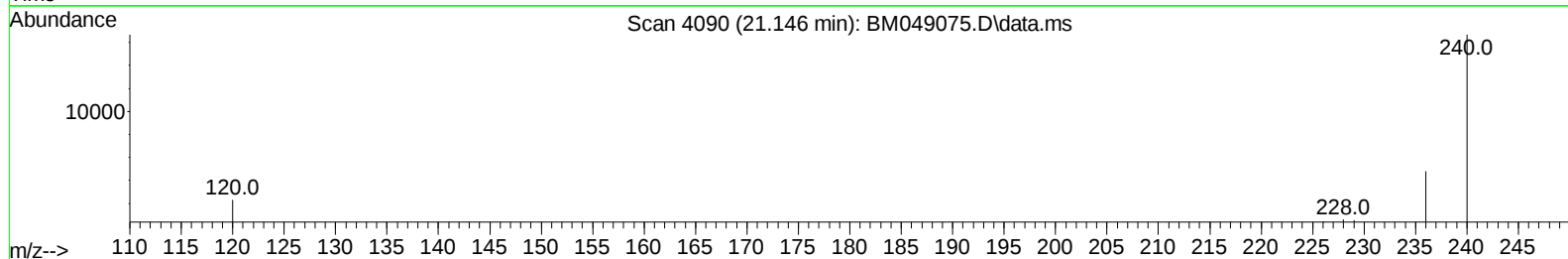
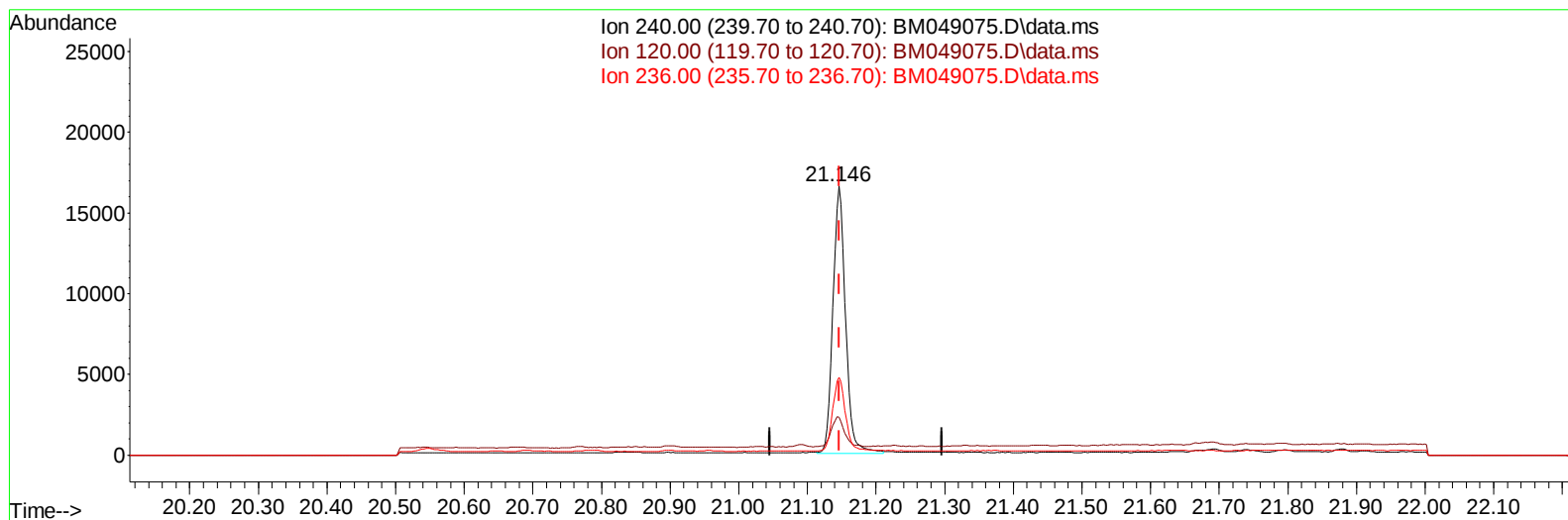
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121924\  
Data File : BM049075.D  
Acq On : 19 Dec 2024 17:54  
Operator : RC/JU  
Sample : P5226-20  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E2AQ6

Manual IntegrationsAPPROVED

Quant Time: Dec 19 22:23:21 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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Reviewed By :Yogesh Patel 12/21/2024  
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049075.D\data.ms

(17) Chrysene-d12

21.146min (-0.000) 0.40 ng/ul m

response 21113

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 240.00 | 100.00 | 100.00 |
| 120.00 | 14.50  | 13.95  |
| 236.00 | 29.80  | 28.95  |
| 0.00   | 0.00   | 0.00   |

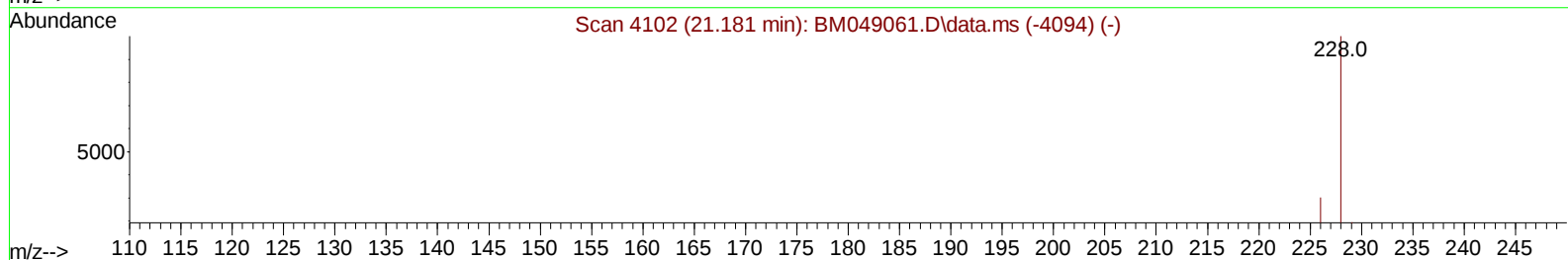
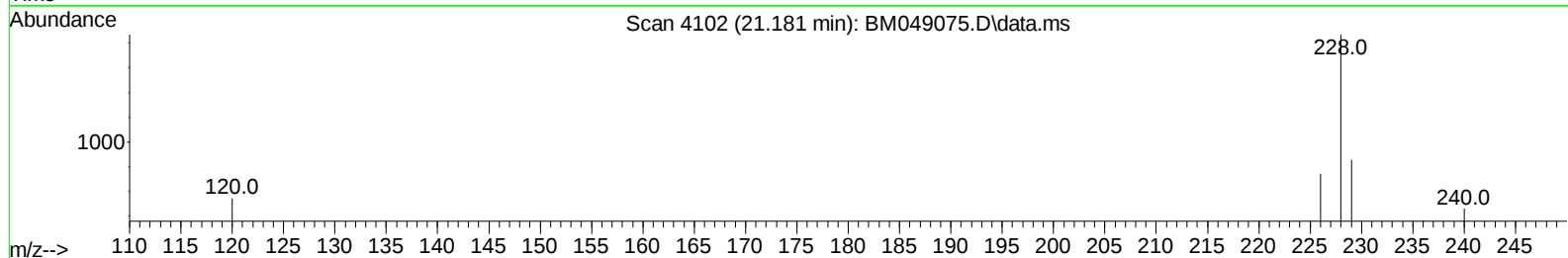
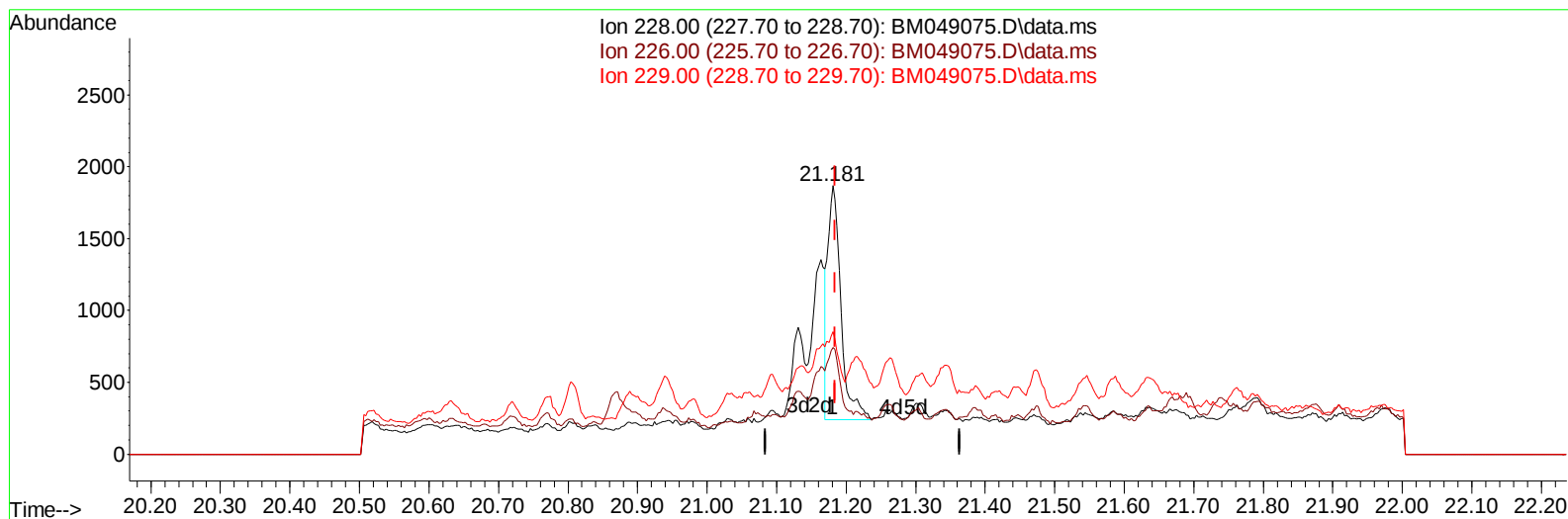
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121924\  
Data File : BM049075.D  
Acq On : 19 Dec 2024 17:54  
Operator : RC/JU  
Sample : P5226-20  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E2AQ6

Manual IntegrationsAPPROVED

Quant Time: Dec 19 22:23:21 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 18 15:33:13 2024  
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TIC: BM049075.D\data.ms

(22) Chrysene

21.181min (-0.003) 0.03 ng/u1

response 2137

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 30.10  | 39.78# |
| 229.00 | 19.80  | 45.72# |
| 0.00   | 0.00   | 0.00   |

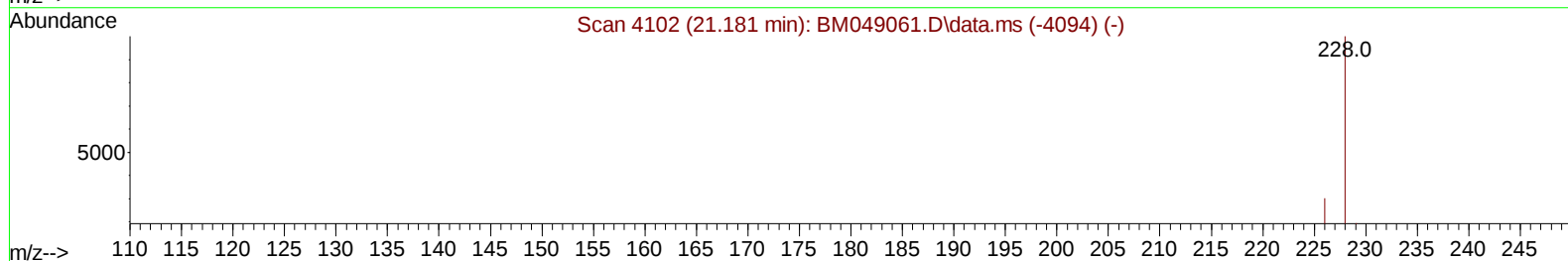
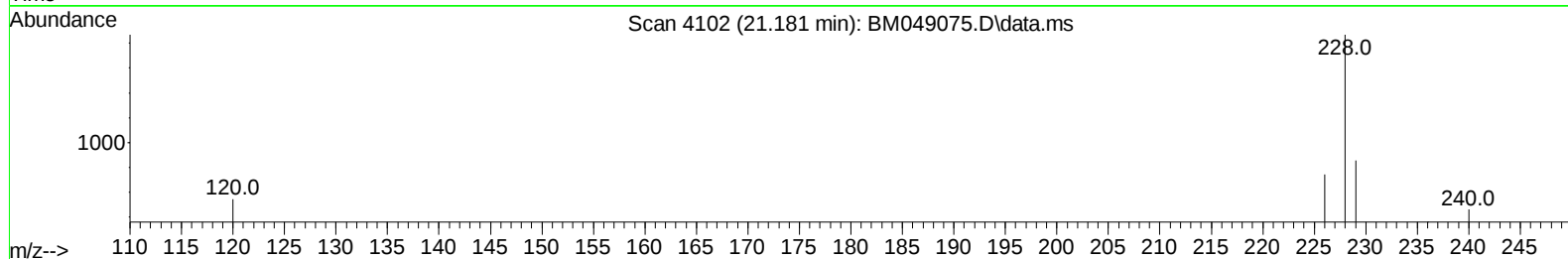
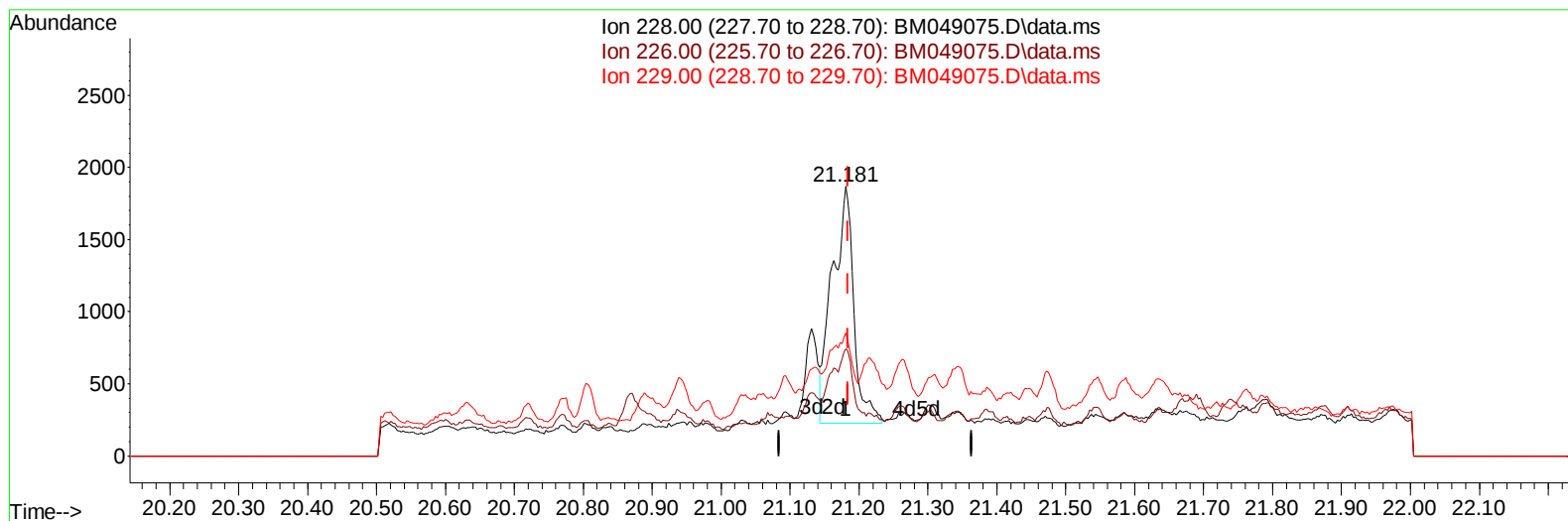
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121924\  
Data File : BM049075.D  
Acq On : 19 Dec 2024 17:54  
Operator : RC/JU  
Sample : P5226-20  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E2AQ6

Manual IntegrationsAPPROVED

Quant Time: Dec 19 22:23:21 2024  
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Supervised By :mohammad ahmed 12/26/2024



TIC: BM049075.D\data.ms

(22) Chrysene

21.181min (-0.003) 0.05 ng/ul m

response 3559

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 30.10  | 39.78# |
| 229.00 | 19.80  | 45.72# |
| 0.00   | 0.00   | 0.00   |

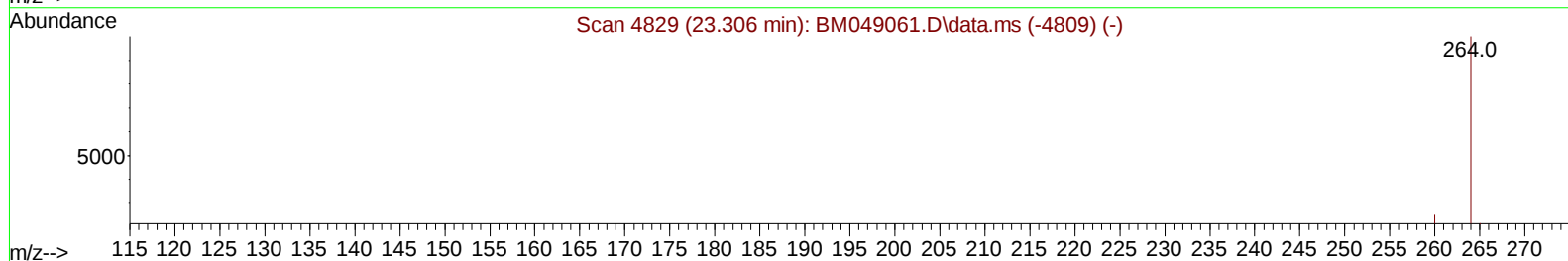
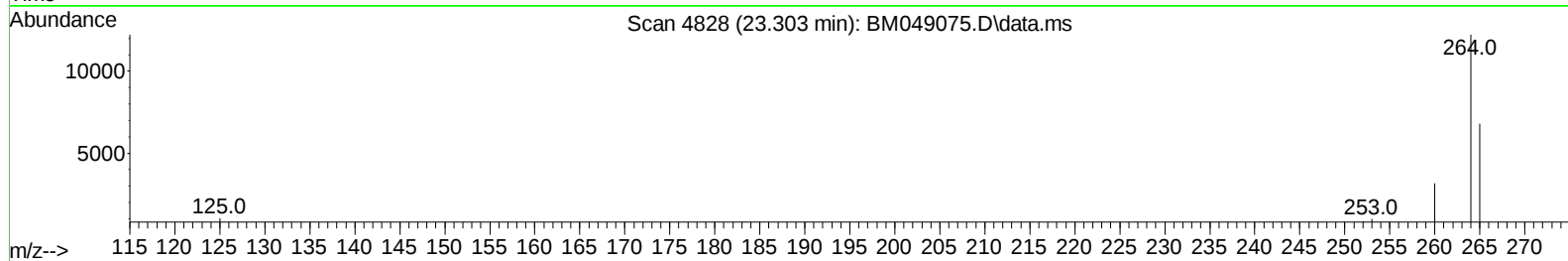
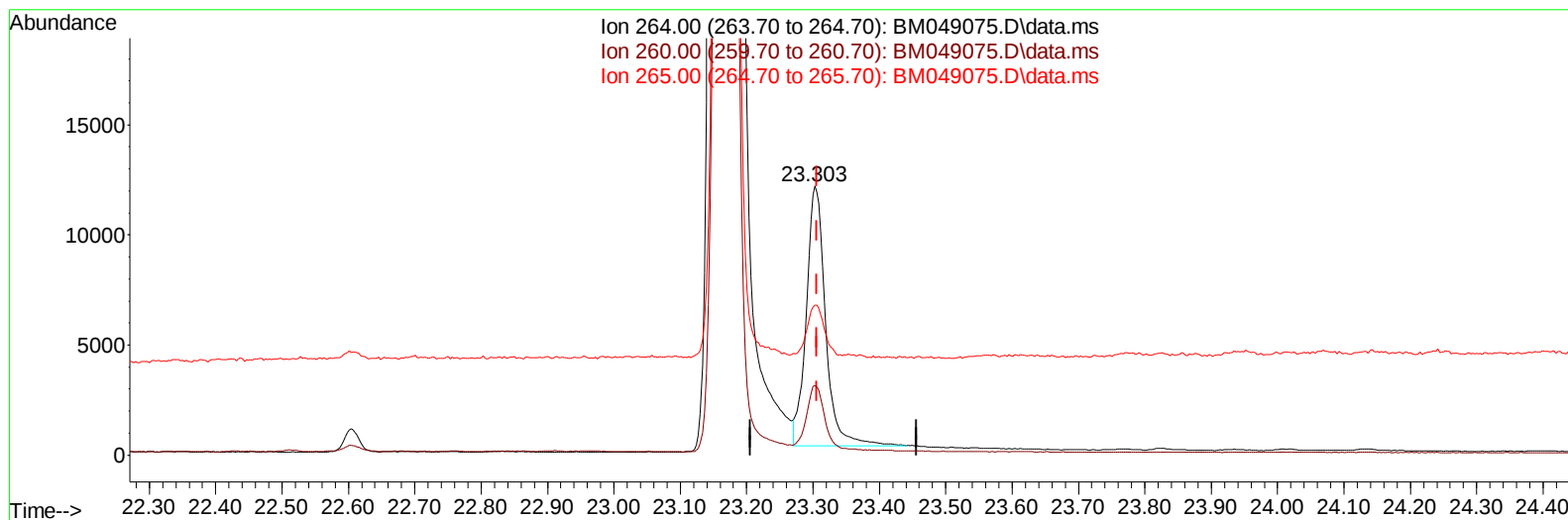
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Operator : RC/JU  
Sample : P5226-20  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E2AQ6

Manual IntegrationsAPPROVED

Quant Time: Dec 19 22:23:21 2024  
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TIC: BM049075.D\data.ms

(23) Perylene-d12 (I)

23.303min (-0.003) 0.40 ng/u1

response 23887

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 25.80  | 25.89  |
| 265.00 | 78.30  | 55.73# |
| 0.00   | 0.00   | 0.00   |

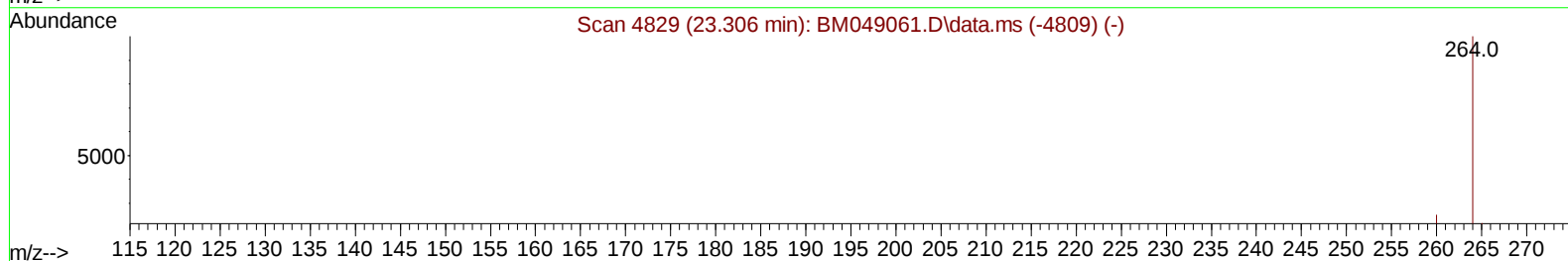
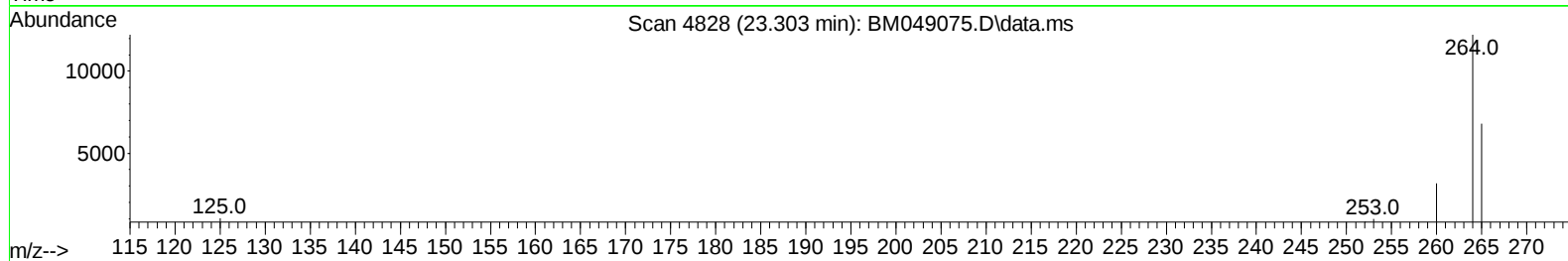
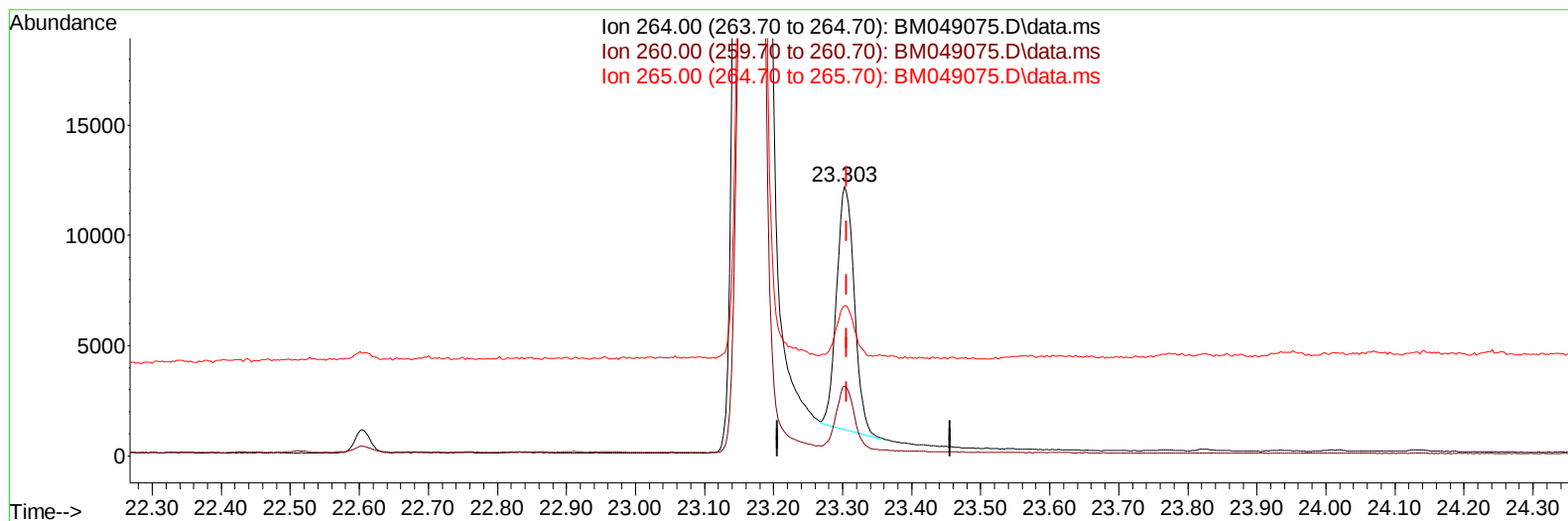
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121924\  
Data File : BM049075.D  
Acq On : 19 Dec 2024 17:54  
Operator : RC/JU  
Sample : P5226-20  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
E2AQ6

Manual IntegrationsAPPROVED

Quant Time: Dec 19 22:23:21 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
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Supervised By :mohammad ahmed 12/26/2024



TIC: BM049075.D\data.ms

(23) Perylene-d12 (I)

23.303min (-0.003) 0.40 ng/ul m

response 19715

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 25.80  | 25.89  |
| 265.00 | 78.30  | 55.73# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121924\  
 Data File : BM049075.D  
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 Operator : RC/JU  
 Sample : P5226-20  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 E2AQ6

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/21/2024  
 Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 19 22:23:21 2024  
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 QLast Update : Wed Dec 18 15:33:13 2024  
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| Compound                    | R.T.   | Q   | Ion | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|-----|-----|----------|-------|--------|----------|
| -----                       |        |     |     |          |       |        |          |
| Internal Standards          |        |     |     |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.564  | 152 |     | 6861     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.325 | 136 |     | 20211    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.200 | 164 |     | 11167    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.946 | 188 |     | 24490m   | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.146 | 240 |     | 21113m   | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.303 | 264 |     | 19715m   | 0.400 | ng/ul  | 0.00     |
|                             |        |     |     |          |       |        |          |
| System Monitoring Compounds |        |     |     |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.151  | 96  |     | 24774    | 3.131 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.925 | 152 |     | 5142     | 0.189 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.982 | 212 |     | 10296    | 0.172 | ng/ul  | 0.00     |
|                             |        |     |     |          |       |        |          |
| Target Compounds            |        |     |     |          |       |        | Qvalue   |
| 22) Chrysene                | 21.181 | 228 |     | 3559m    | 0.045 | ng/ul  |          |
| 29) Benzo(g,h,i)perylene    | 26.088 | 276 |     | 2136     | 0.031 | ng/ul# | 64       |
| -----                       |        |     |     |          |       |        |          |

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

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E2AQ6

Manual IntegrationsAPPROVED

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