

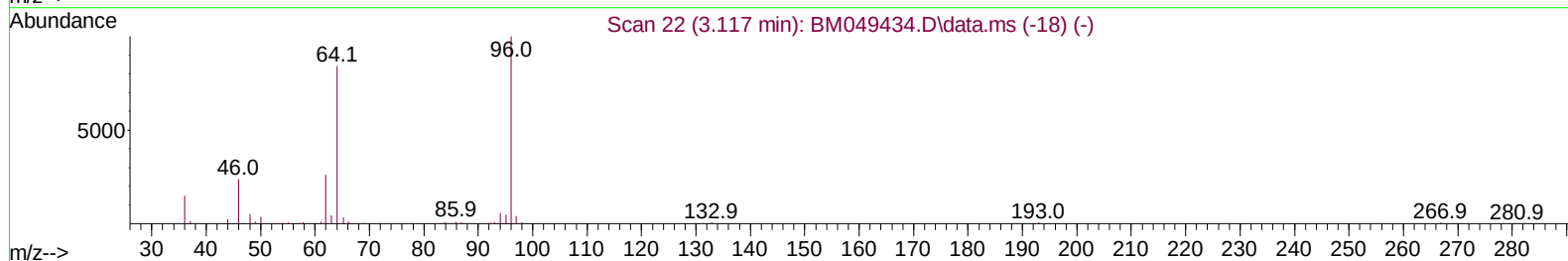
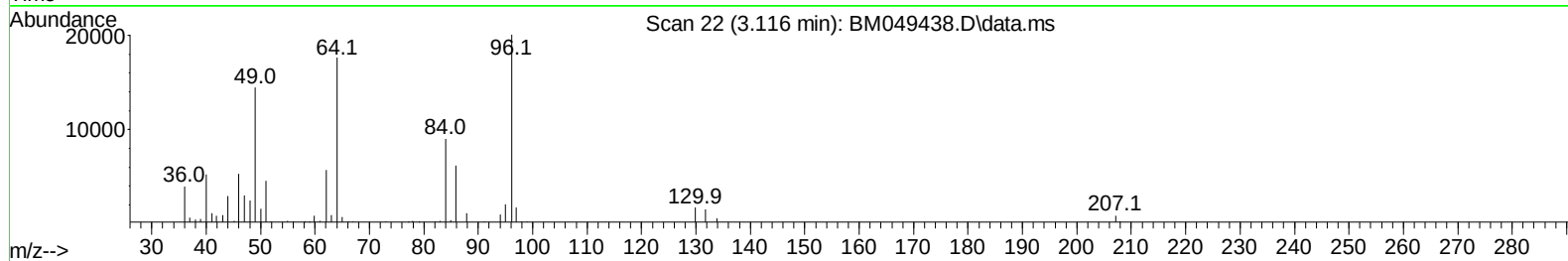
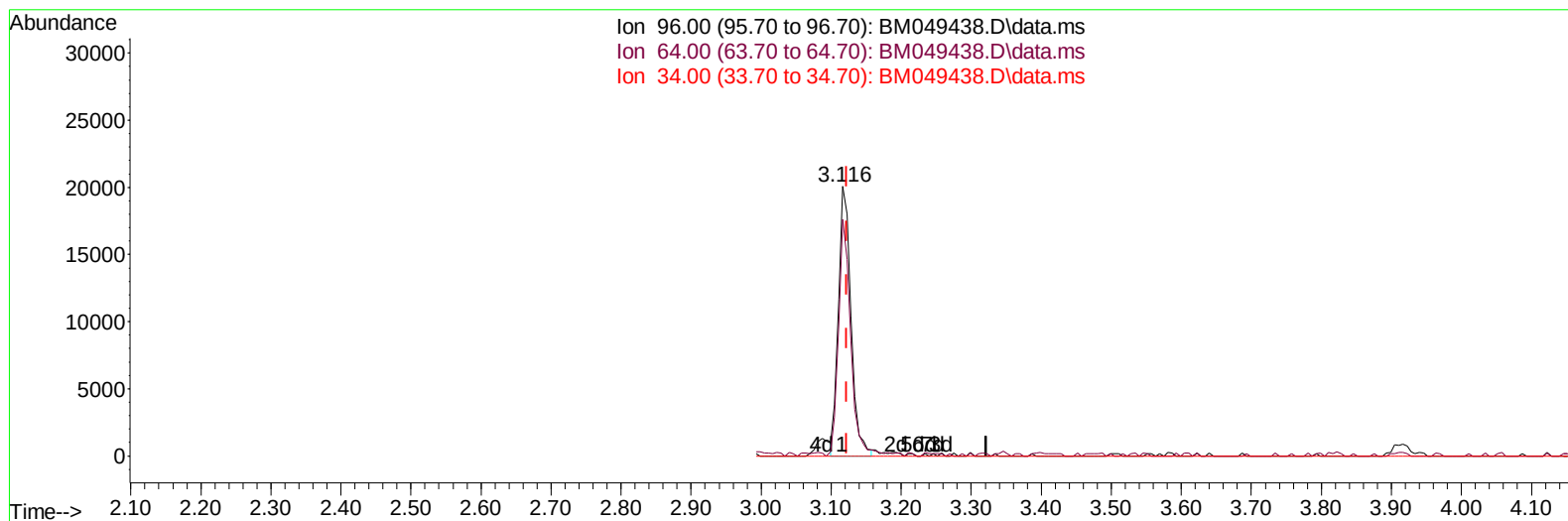
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012425\  
Data File : BM049438.D  
Acq On : 24 Jan 2025 16:35  
Operator : RC/JU  
Sample : Q1086-19  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AE4

Manual IntegrationsAPPROVED

Quant Time: Jan 24 23:23:24 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM011325.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jan 13 16:56:06 2025  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 01/27/2025  
Supervised By :mohammad ahmed 01/27/2025



TIC: BM049438.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.116min (-0.006) 4.35 ng/uL

response 25383

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 64.00 | 82.70  | 87.88  |
| 34.00 | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

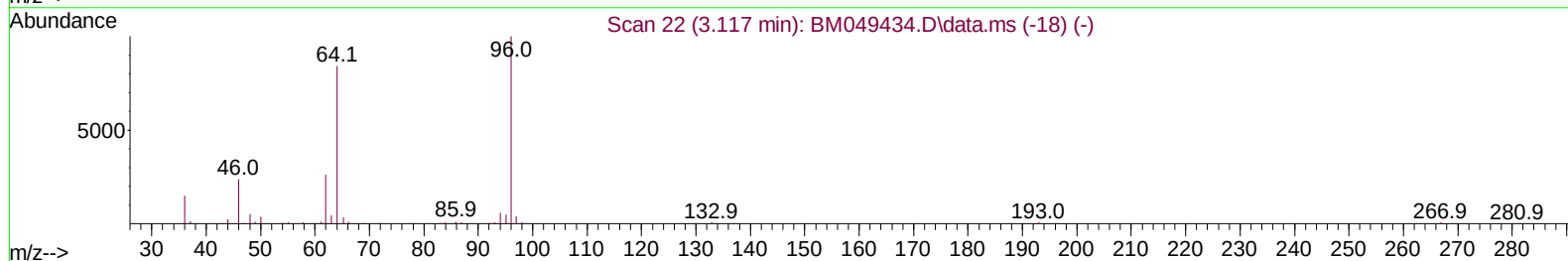
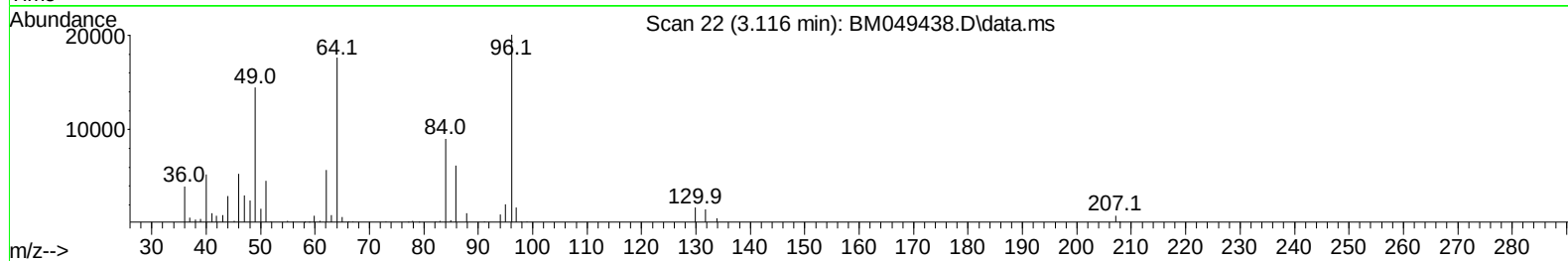
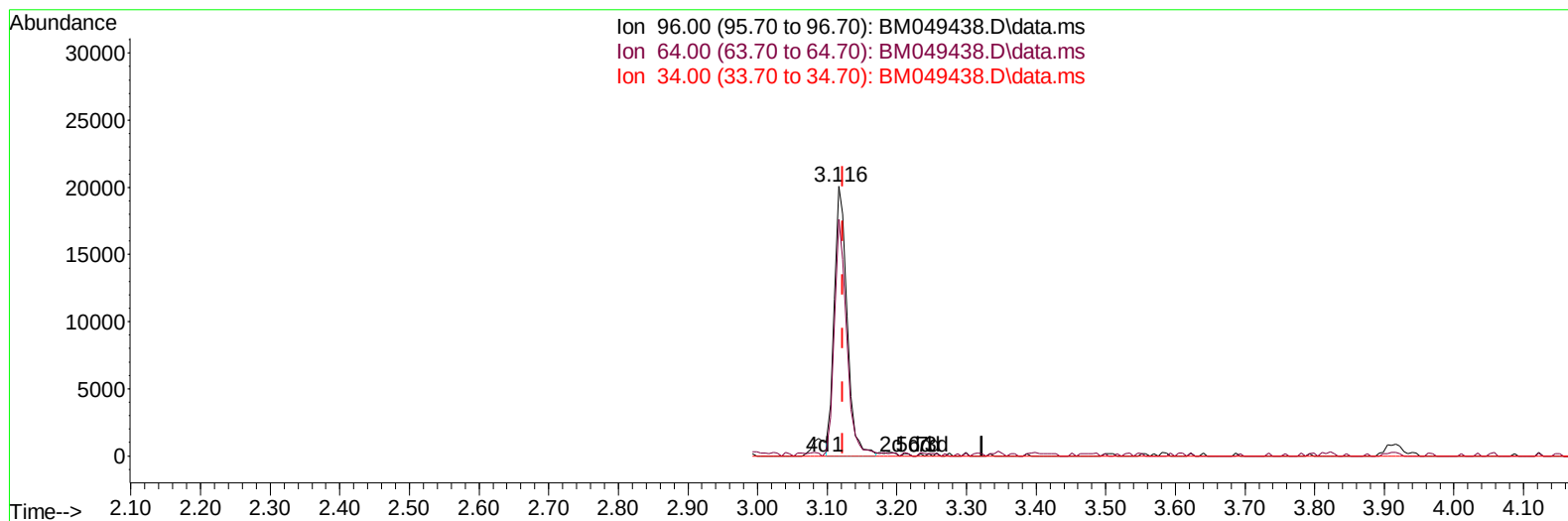
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012425\  
Data File : BM049438.D  
Acq On : 24 Jan 2025 16:35  
Operator : RC/JU  
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C0AE4

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 01/27/2025  
Supervised By :mohammad ahmed 01/27/2025



TIC: BM049438.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.116min (-0.006) 4.39 ng/uL m

response 25590

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 64.00 | 82.70  | 87.88  |
| 34.00 | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

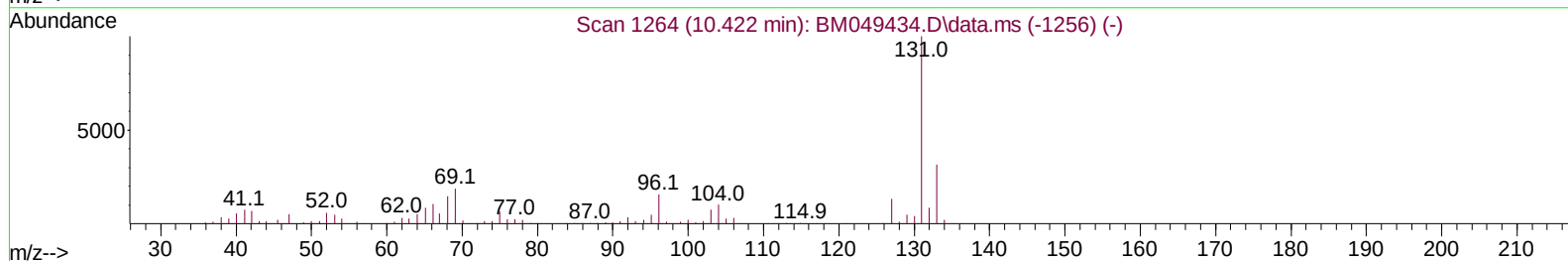
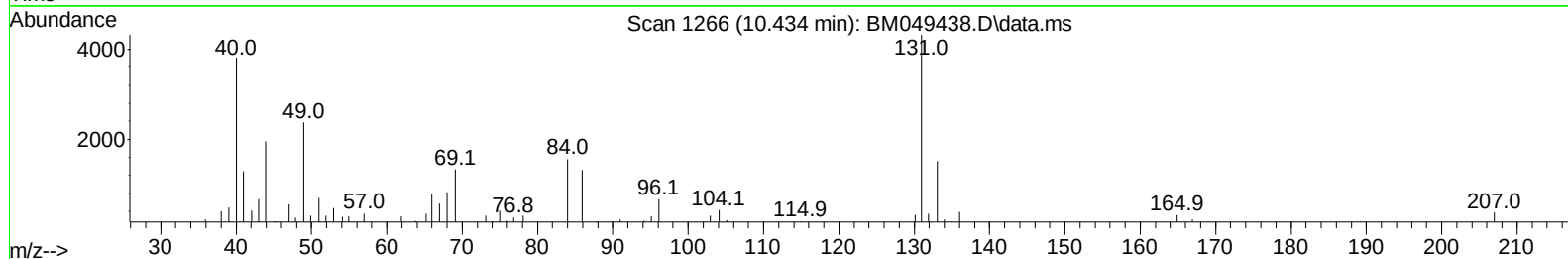
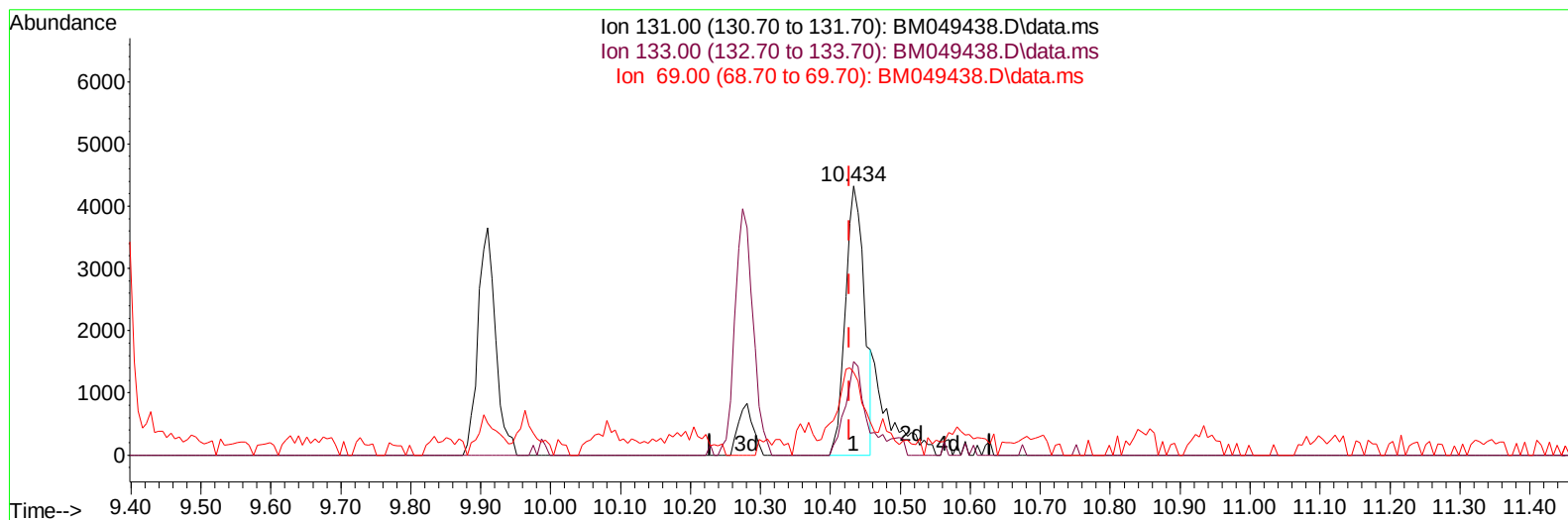
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012425\  
Data File : BM049438.D  
Acq On : 24 Jan 2025 16:35  
Operator : RC/JU  
Sample : Q1086-19  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AE4

Manual IntegrationsAPPROVED

Quant Time: Jan 24 23:23:24 2025  
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QLast Update : Mon Jan 13 16:56:06 2025  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 01/27/2025  
Supervised By :mohammad ahmed 01/27/2025



TIC: BM049438.D\data.ms

**(31) 4-Chloroaniline-d4 (S)**

**10.434min (+ 0.006) 0.40 ng/ul**

**response 8214**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 131.00 | 100.00 | 100.00 |
| 133.00 | 32.10  | 34.90  |
| 69.00  | 19.00  | 30.76# |
| 0.00   | 0.00   | 0.00   |

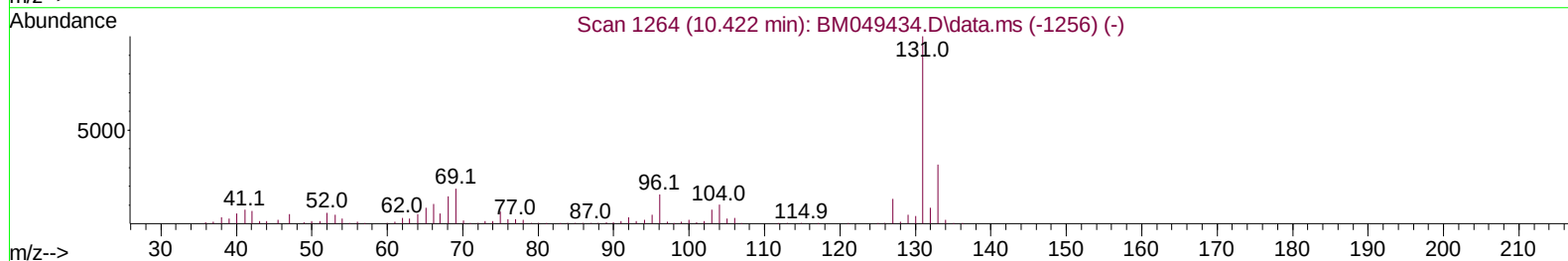
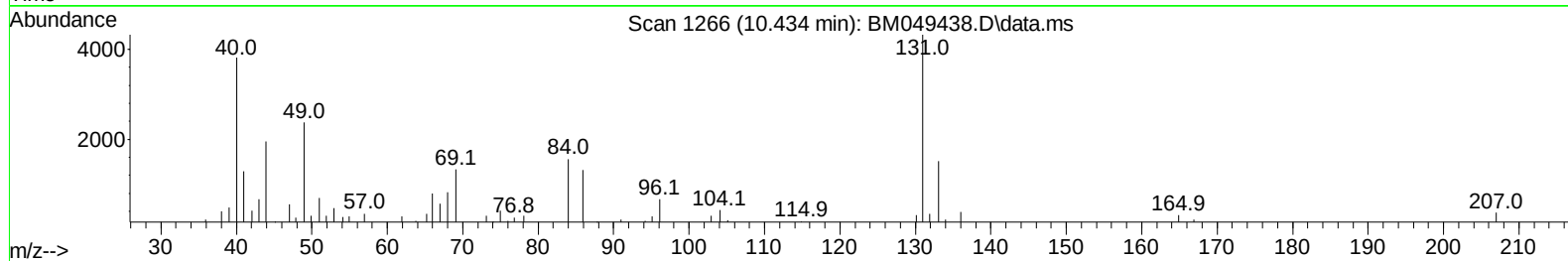
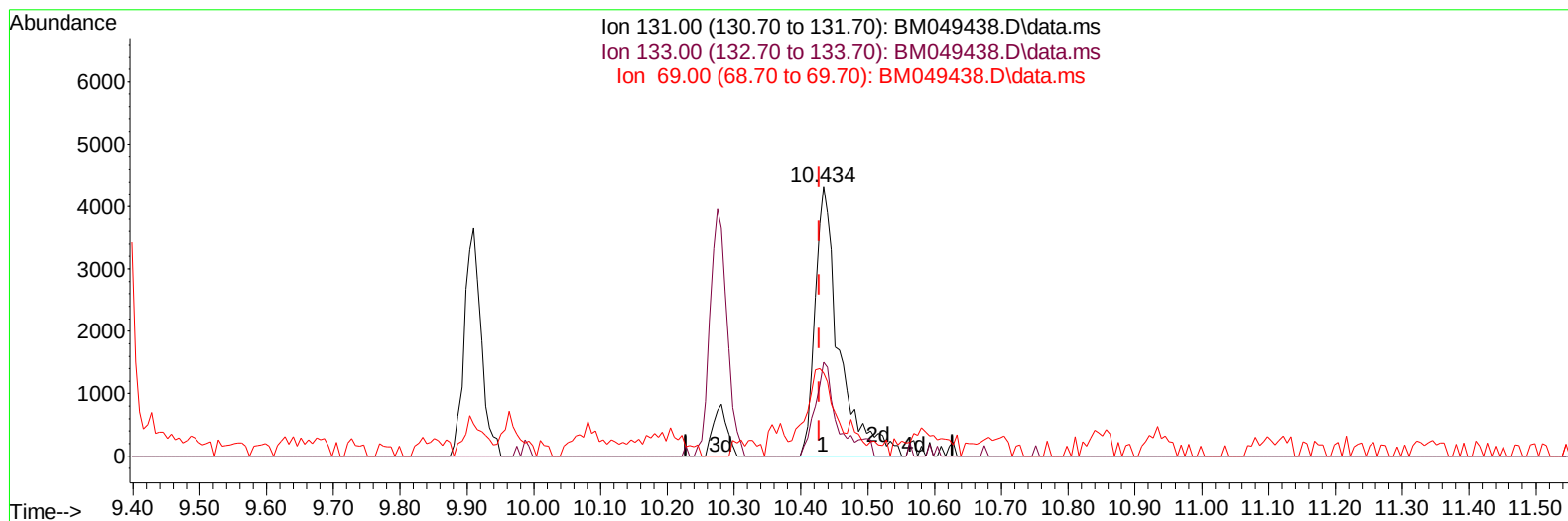
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012425\  
Data File : BM049438.D  
Acq On : 24 Jan 2025 16:35  
Operator : RC/JU  
Sample : Q1086-19  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AE4

Manual IntegrationsAPPROVED

Quant Time: Jan 24 23:23:24 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM011325.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jan 13 16:56:06 2025  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 01/27/2025  
Supervised By :mohammad ahmed 01/27/2025



TIC: BM049438.D\data.ms

(31) 4-Chloroaniline-d4 (S)

10.434min (+ 0.006) 0.52 ng/ul m

response 10811

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 131.00 | 100.00 | 100.00 |
| 133.00 | 32.10  | 34.90  |
| 69.00  | 19.00  | 30.76# |
| 0.00   | 0.00   | 0.00   |

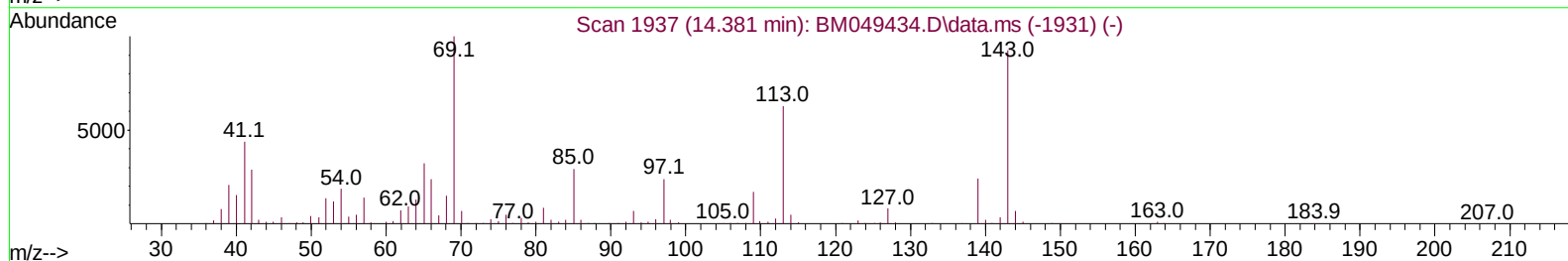
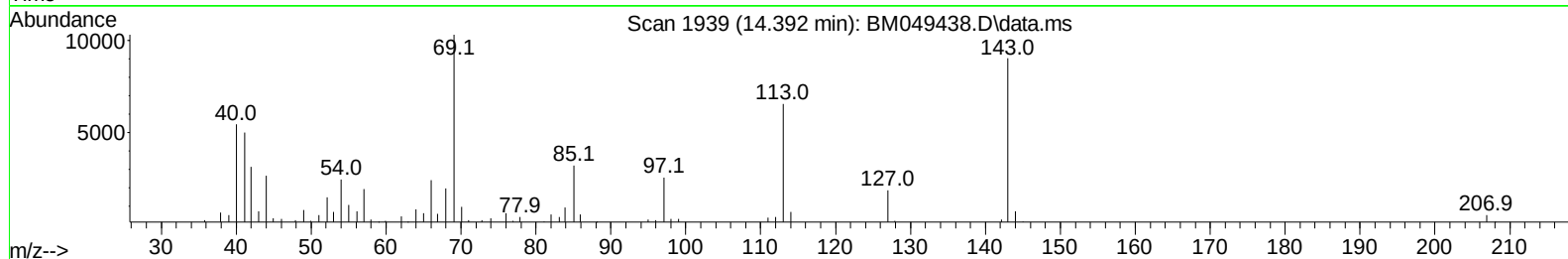
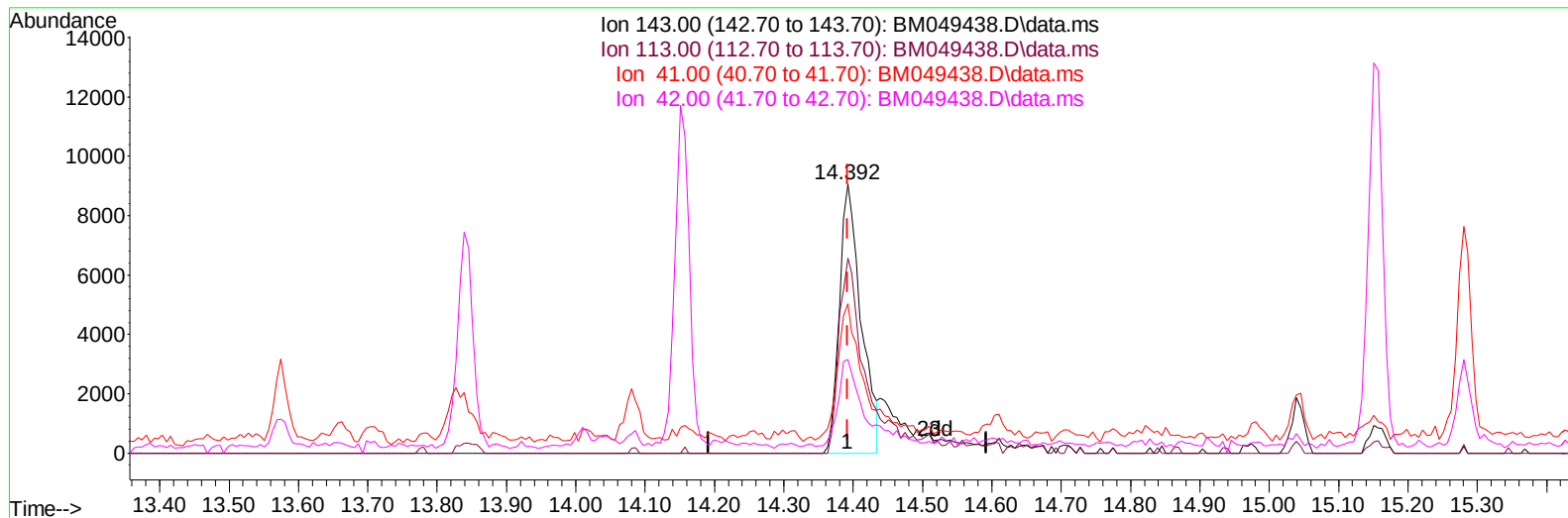
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012425\  
Data File : BM049438.D  
Acq On : 24 Jan 2025 16:35  
Operator : RC/JU  
Sample : Q1086-19  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AE4

Manual IntegrationsAPPROVED

Quant Time: Jan 24 23:23:24 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM011325.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jan 13 16:56:06 2025  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 01/27/2025  
Supervised By :mohammad ahmed 01/27/2025



TIC: BM049438.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.392min (+ 0.000) 2.60 ng/ul

response 19516

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 69.30  | 72.44  |
| 41.00  | 40.60  | 55.49# |
| 42.00  | 26.30  | 34.68# |

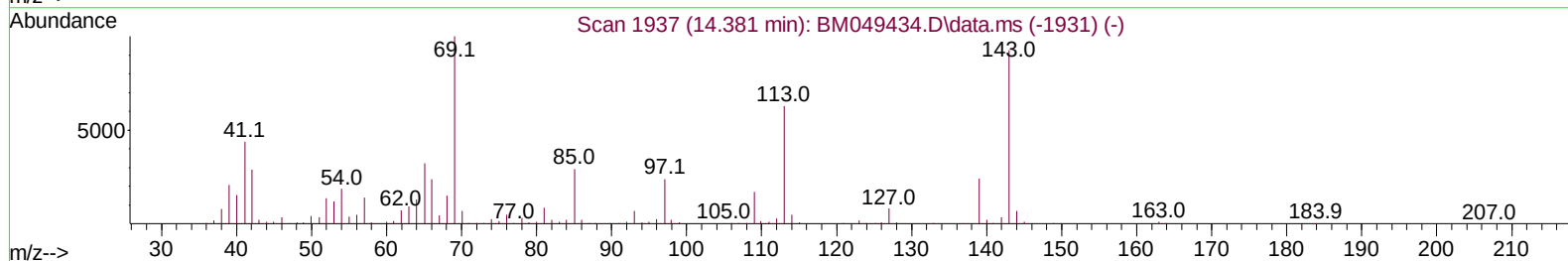
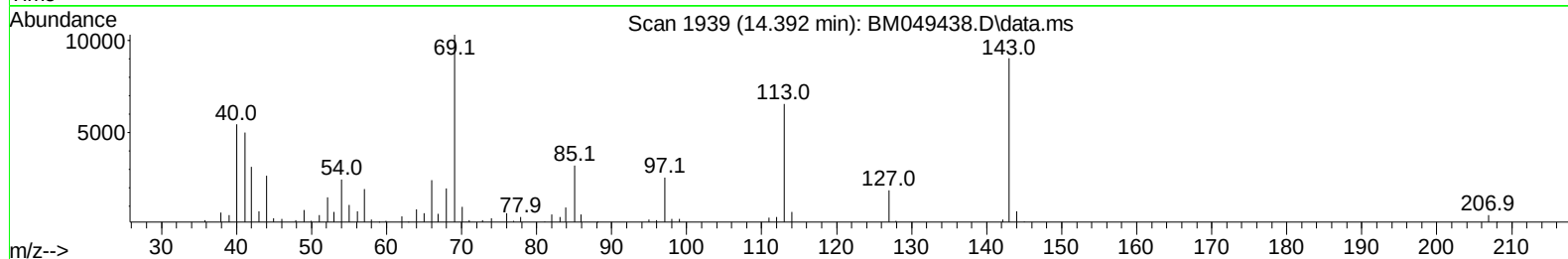
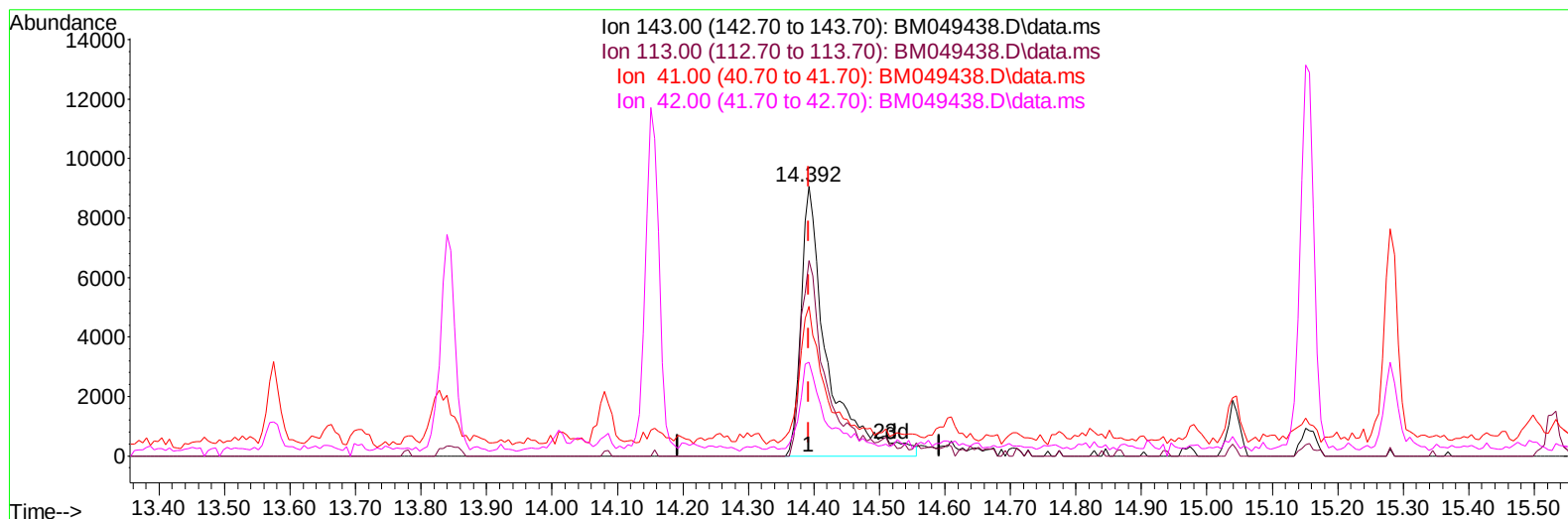
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012425\  
Data File : BM049438.D  
Acq On : 24 Jan 2025 16:35  
Operator : RC/JU  
Sample : Q1086-19  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AE4

Manual IntegrationsAPPROVED

Quant Time: Jan 24 23:23:24 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM011325.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jan 13 16:56:06 2025  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 01/27/2025  
Supervised By :mohammad ahmed 01/27/2025



TIC: BM049438.D\data.ms

**(54) 4-Nitrophenol-d4 (S)**

**14.392min (+ 0.000) 3.40 ng/ul m**

**response 25453**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 69.30  | 72.44  |
| 41.00  | 40.60  | 55.49# |
| 42.00  | 26.30  | 34.68# |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012425\  
 Data File : BM049438.D  
 Acq On : 24 Jan 2025 16:35  
 Operator : RC/JU  
 Sample : Q1086-19  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AE4

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/27/2025  
 Supervised By :mohammad ahmed 01/27/2025

Quant Time: Jan 24 23:26:37 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM011325.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jan 13 16:56:06 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.516  | 152  | 241383   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.275 | 136  | 904515   | 20.000 | ng/ul  | -0.01    |
| 38) Acenaphthene-d10          | 14.157 | 164  | 608179   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 16.904 | 188  | 1272986  | 20.000 | ng/ul  | -0.01    |
| 79) Chrysene-d12              | 21.139 | 240  | 1283837  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 23.915 | 264  | 1167421  | 20.000 | ng/ul  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.116  | 96   | 25590m   | 4.386  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.522  | 84   | 18128    | 0.976  | ng/ul  | 0.01     |
| 7) Phenol-d5                  | 6.710  | 99   | 88353    | 4.360  | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.863  | 67   | 265080   | 19.647 | ng/ul  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.057  | 132  | 226390   | 14.605 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.228  | 113  | 137510   | 8.751  | ng/ul  | -0.01    |
| 21) Nitrobenzene-d5           | 8.657  | 128  | 130079   | 18.859 | ng/ul  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.375  | 143  | 131253   | 17.022 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.910  | 165  | 256877   | 16.326 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.434 | 131  | 10811m   | 0.522  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.575 | 166  | 996081   | 22.005 | ng/ul  | -0.01    |
| 49) Acenaphthylene-d8         | 13.839 | 160  | 881357   | 17.056 | ng/ul  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.392 | 143  | 25453m   | 3.396  | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.157 | 176  | 880924   | 22.528 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.280 | 200  | 113923   | 14.042 | ng/ul  | -0.01    |
| 73) Anthracene-d10            | 17.004 | 188  | 785012   | 12.475 | ng/ul  | -0.01    |
| 81) Pyrene-d10                | 19.309 | 212  | 1659009  | 21.233 | ng/ul  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 23.727 | 264  | 862993   | 13.771 | ng/ul  | -0.02    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.152  | 88   | 148007   | 23.157 | ng/uL  | 98       |
| -----                         |        |      |          |        |        |          |

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

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Manual IntegrationsAPPROVED

Quant Time: Jan 24 23:26:37 2025  
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