

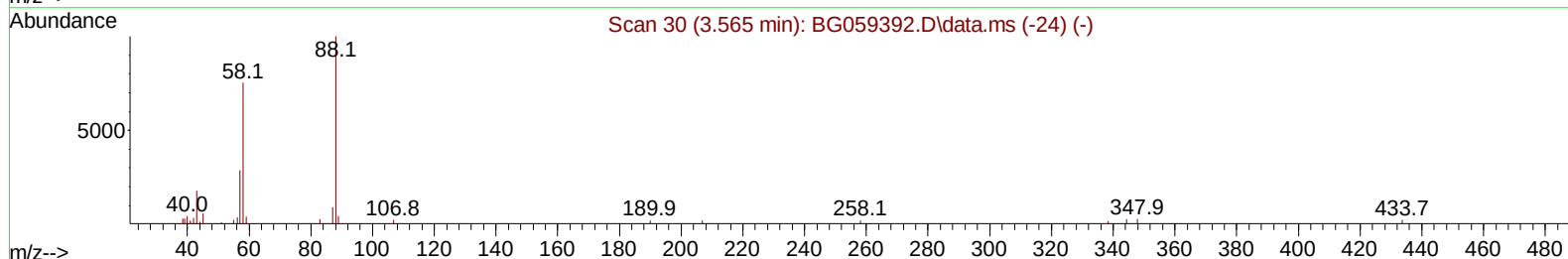
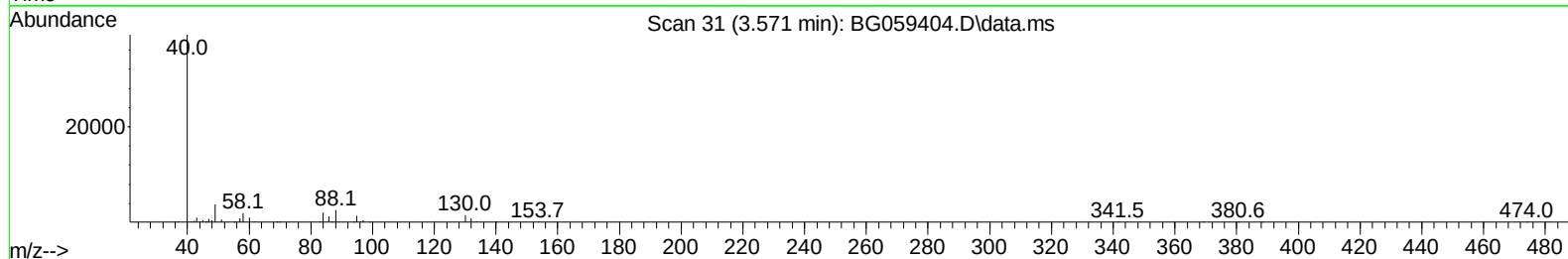
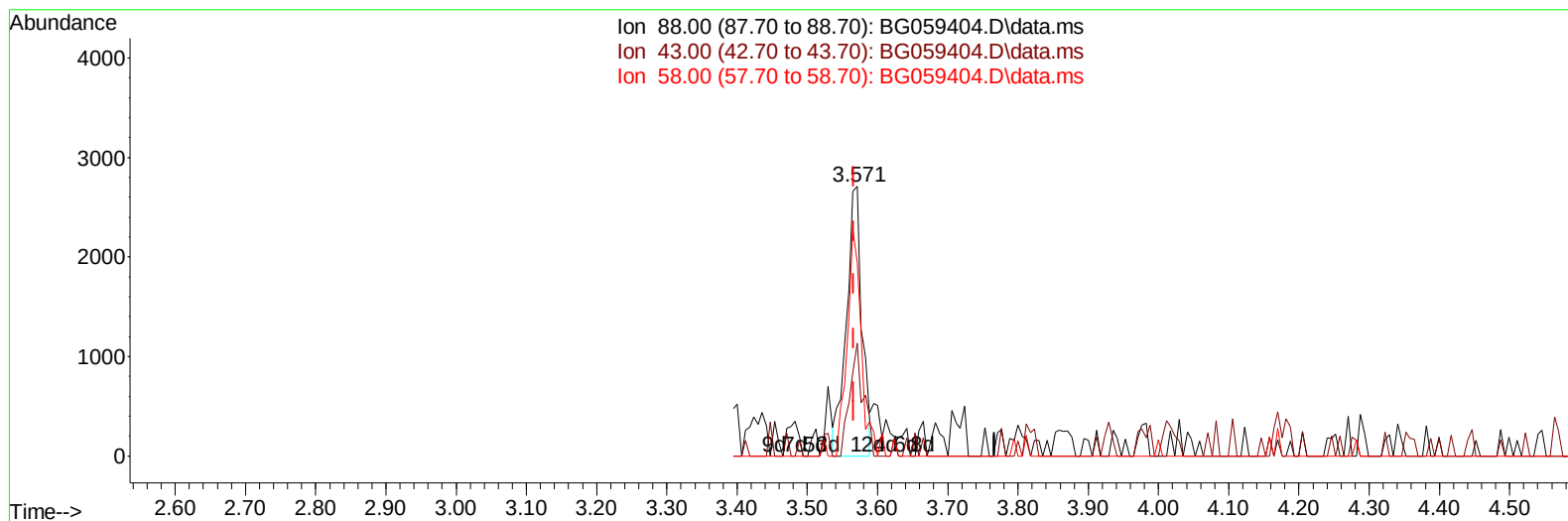
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG100923\  
Data File : BG059404.D  
Acq On : 9 Oct 2023 19:59  
Operator : MA/JU  
Sample : 04654-10  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BBBT3

Manual IntegrationsAPPROVED

Quant Time: Oct 09 22:47:15 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG100723.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Oct 07 22:45:22 2023  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/11/2023  
Supervised By :mohammad ahmed 10/11/2023



TIC: BG059404.D\data.ms

(2) 1,4-Dioxane

3.571min (+ 0.004) 3.49 ng/uL

response 4197

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 88.00 | 100.00 | 100.00 |
| 43.00 | 31.70  | 41.80# |
| 58.00 | 105.80 | 71.71# |
| 0.00  | 0.00   | 0.00   |

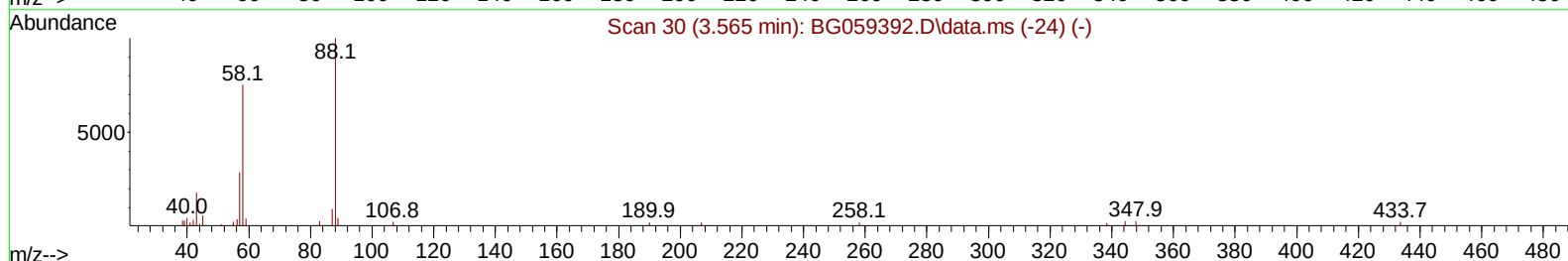
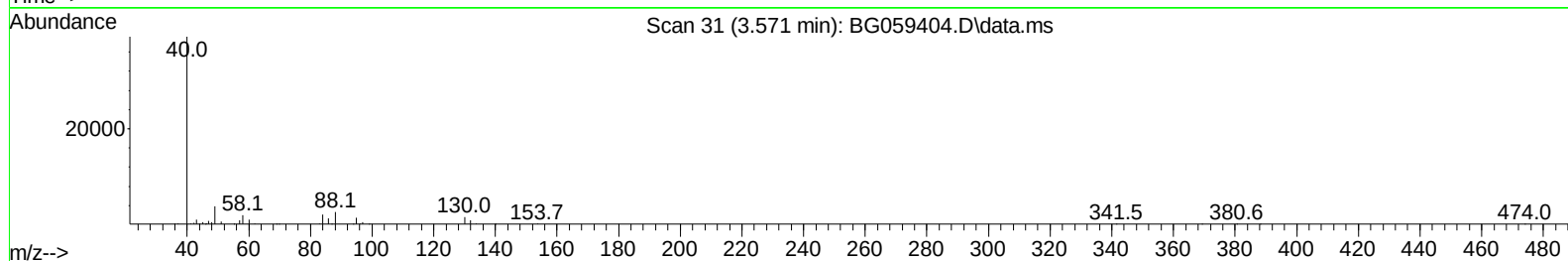
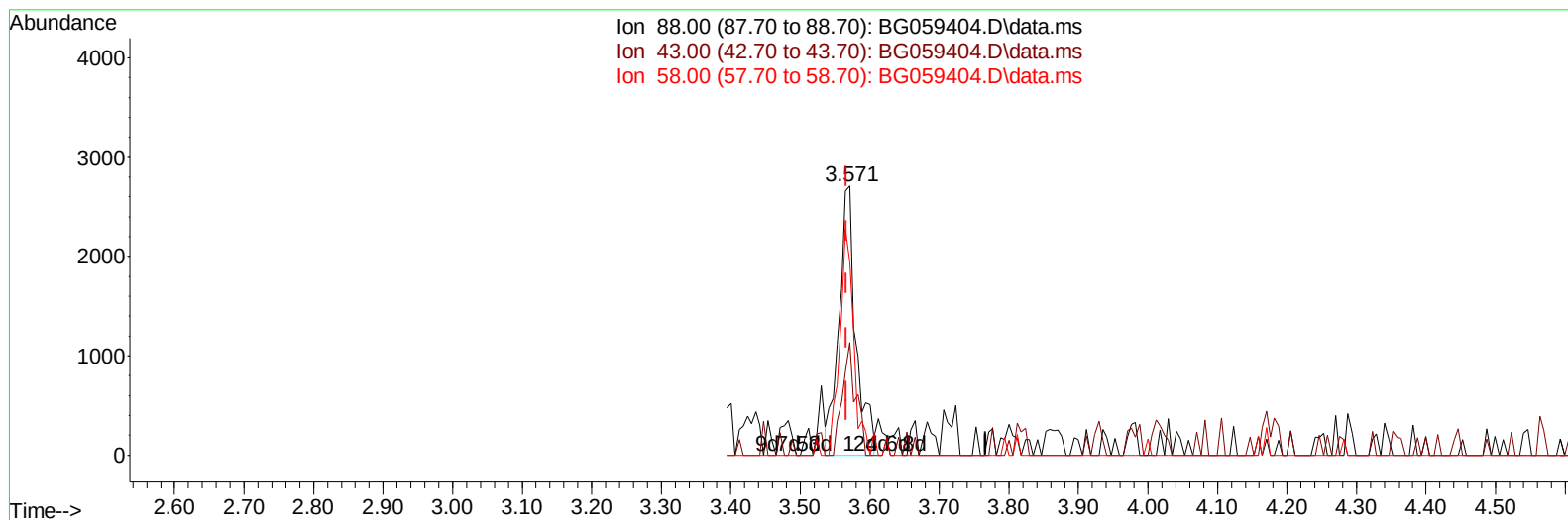
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG100923\  
Data File : BG059404.D  
Acq On : 9 Oct 2023 19:59  
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Sample : 04654-10  
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Instrument :  
BNA\_G  
ClientSampleId :  
BBBT3

Manual IntegrationsAPPROVED

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QLast Update : Sat Oct 07 22:45:22 2023  
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Reviewed By :Yogesh Patel 10/11/2023  
Supervised By :mohammad ahmed 10/11/2023



TIC: BG059404.D\data.ms

(2) 1,4-Dioxane

3.571min (+ 0.004) 3.85 ng/uL m

response 4627

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 88.00 | 100.00 | 100.00 |
| 43.00 | 31.70  | 41.80# |
| 58.00 | 105.80 | 71.71# |
| 0.00  | 0.00   | 0.00   |

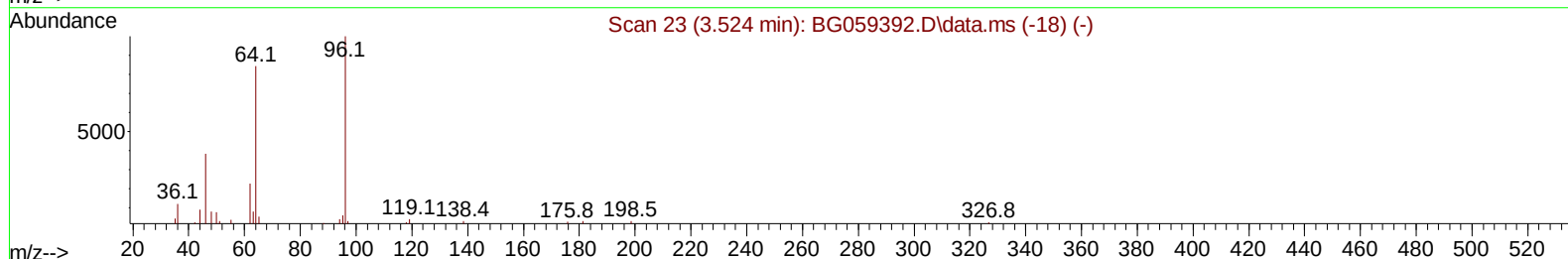
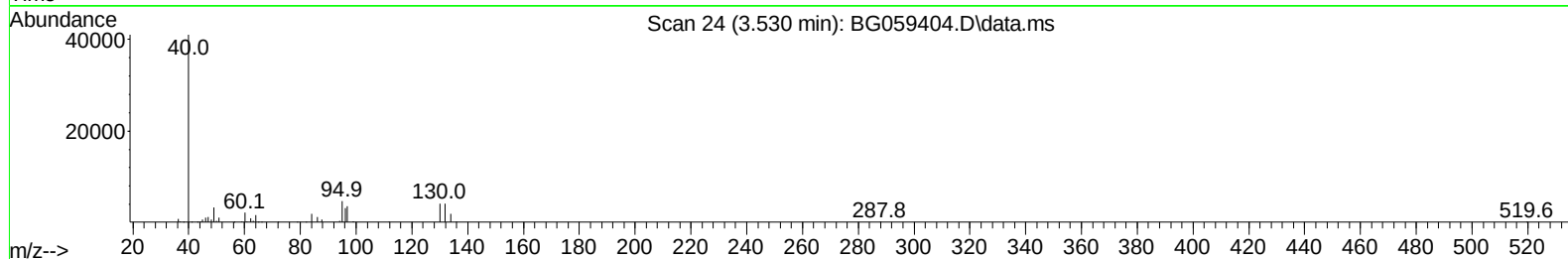
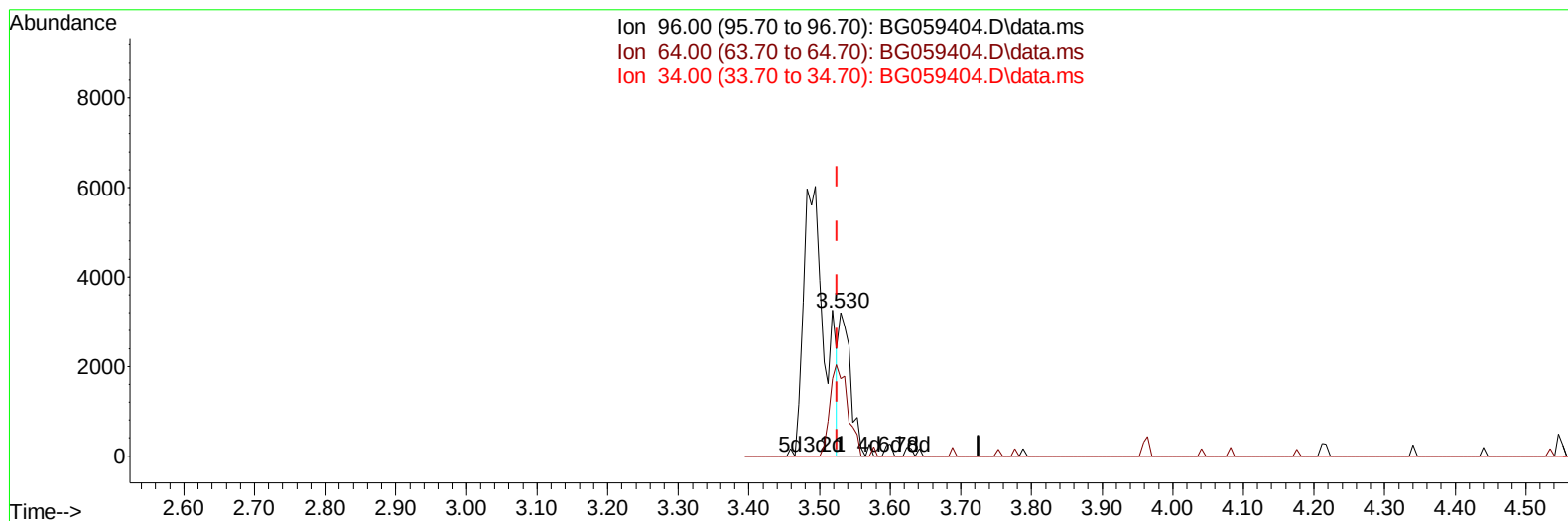
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG100923\  
 Data File : BG059404.D  
 Acq On : 9 Oct 2023 19:59  
 Operator : MA/JU  
 Sample : 04654-10  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BBBT3

Manual IntegrationsAPPROVED

Quant Time: Oct 09 23:39:09 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG100723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Oct 07 22:45:22 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/11/2023  
 Supervised By :mohammad ahmed 10/11/2023



TIC: BG059404.D\data.ms

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

**3.530min (+ 0.004) 3.25 ng/uL**

**response 3658**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 64.00 | 69.20  | 53.77# |
| 34.00 | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

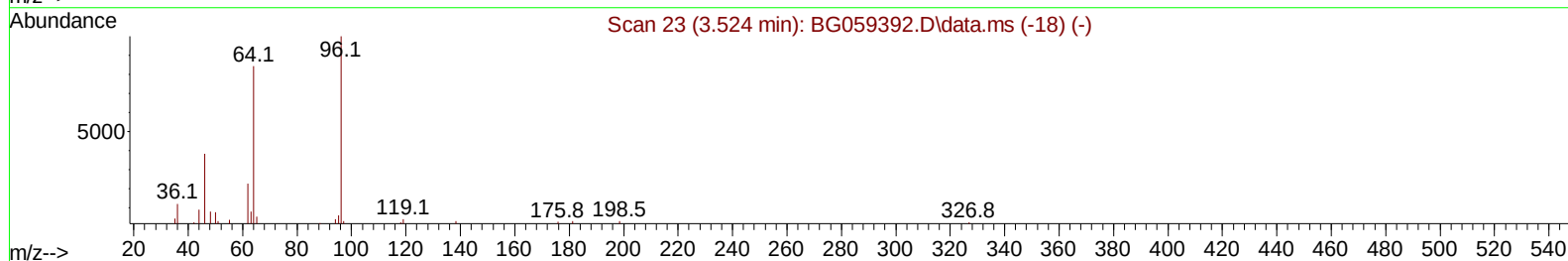
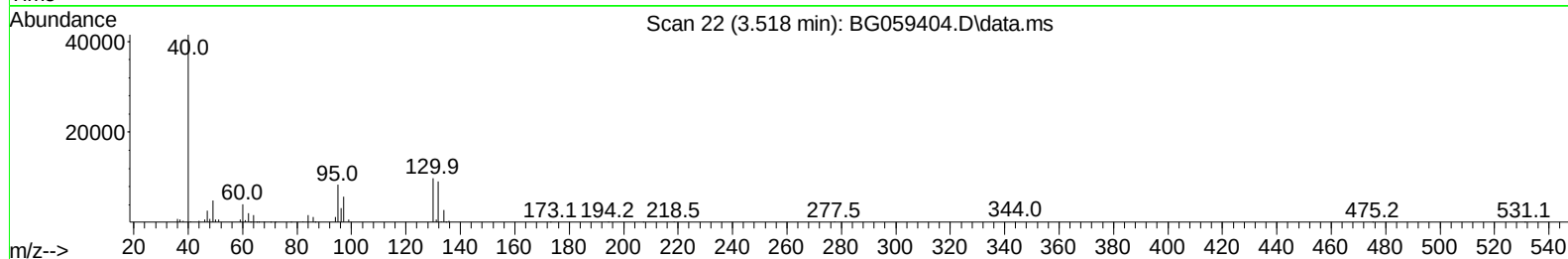
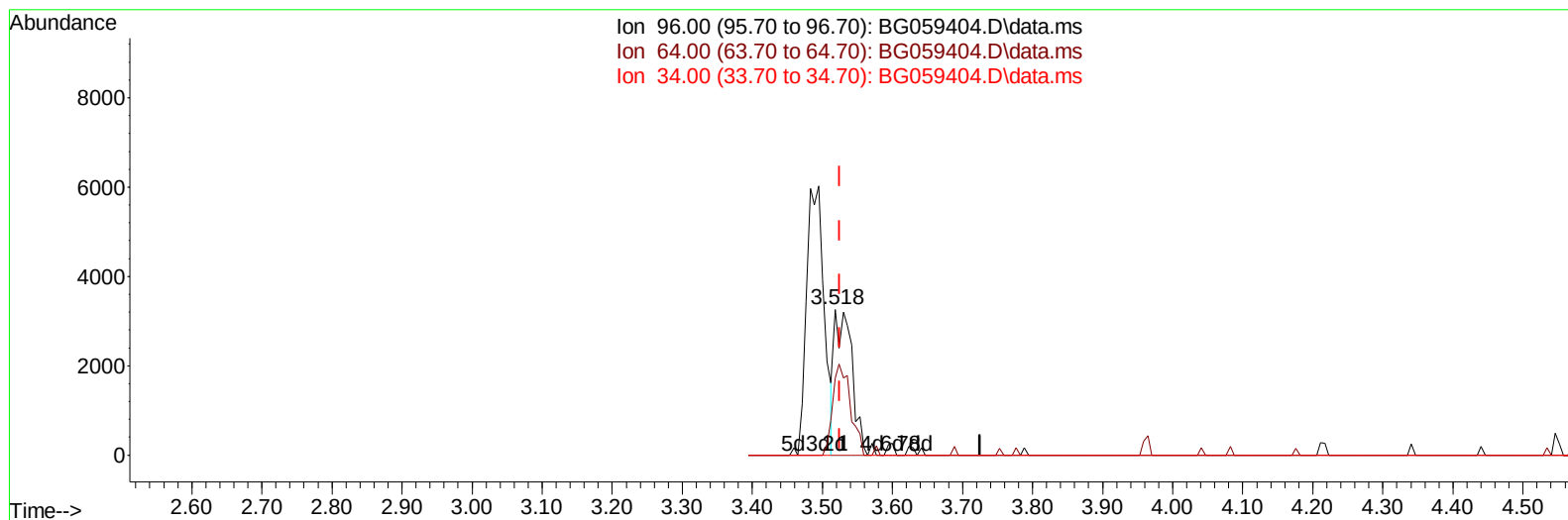
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG100923\  
 Data File : BG059404.D  
 Acq On : 9 Oct 2023 19:59  
 Operator : MA/JU  
 Sample : 04654-10  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BBBT3

Manual IntegrationsAPPROVED

Quant Time: Oct 09 23:39:09 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG100723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Oct 07 22:45:22 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/11/2023  
 Supervised By :mohammad ahmed 10/11/2023



TIC: BG059404.D\data.ms

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

**3.518min (-0.007) 5.01 ng/uL m**

**response 5653**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 64.00 | 69.20  | 53.07# |
| 34.00 | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

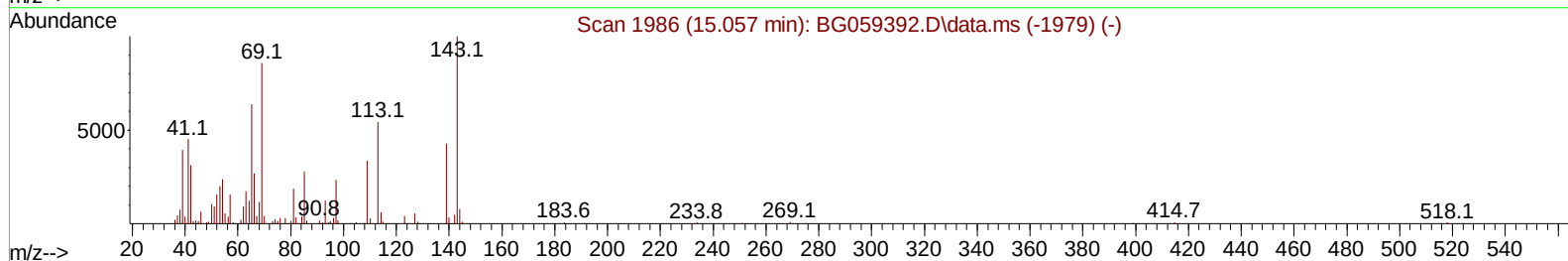
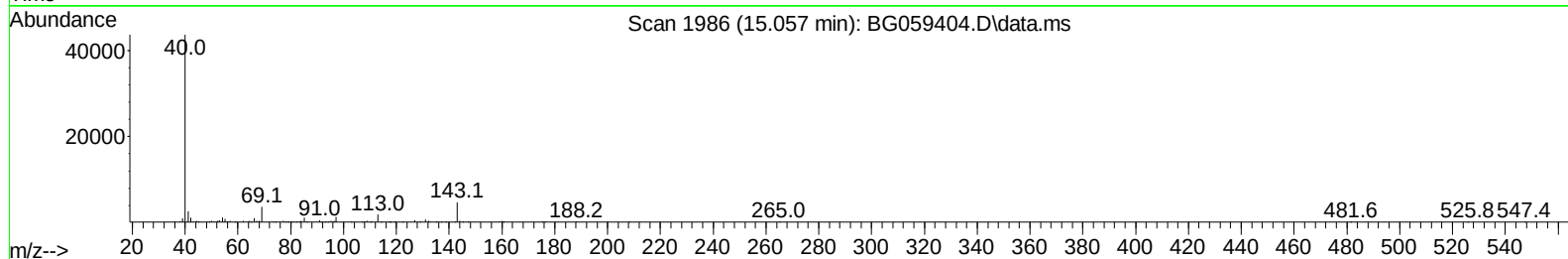
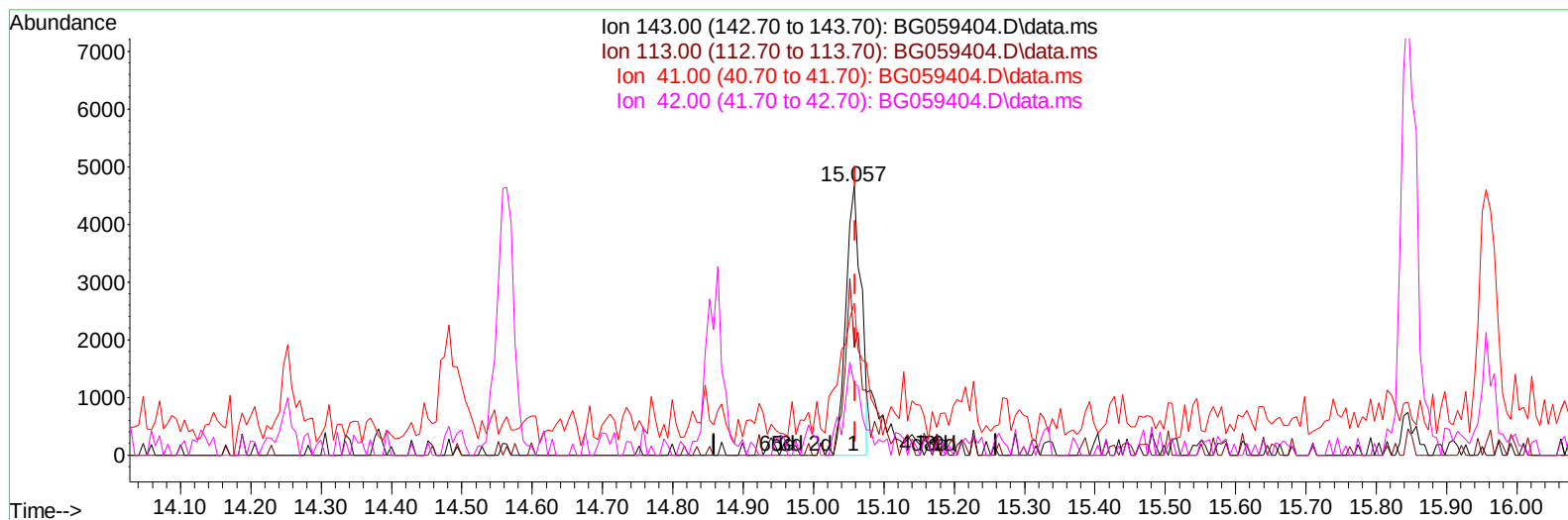
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG100923\  
Data File : BG059404.D  
Acq On : 9 Oct 2023 19:59  
Operator : MA/JU  
Sample : 04654-10  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BBBT3

Manual IntegrationsAPPROVED

Quant Time: Oct 09 23:39:35 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG100723.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Oct 07 22:45:22 2023  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/11/2023  
Supervised By :mohammad ahmed 10/11/2023



TIC: BG059404.D\data.ms

(54) 4-Nitrophenol-d4 (S)

15.057min (-0.002) 3.52 ng/u1

response 6936

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 62.30  | 40.13# |
| 41.00  | 43.70  | 56.48# |
| 42.00  | 26.40  | 26.28  |

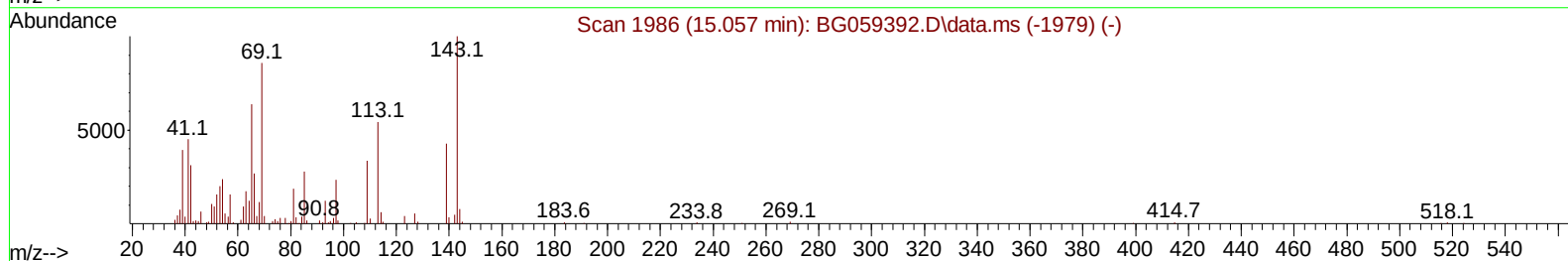
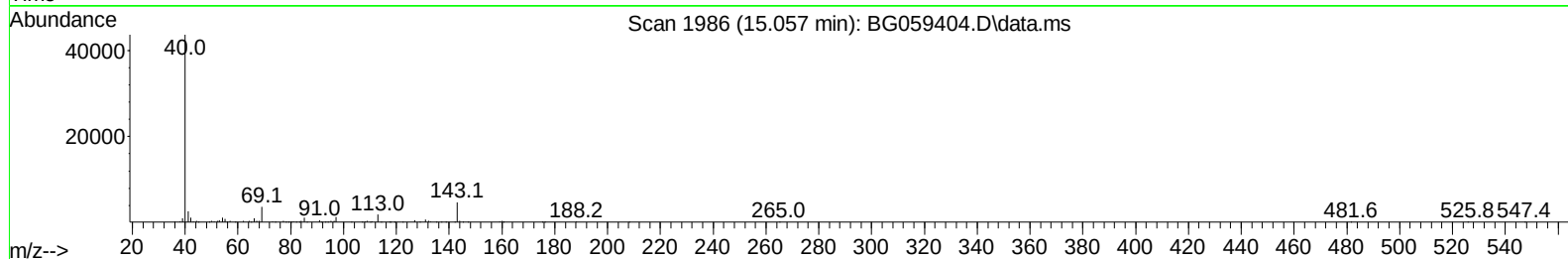
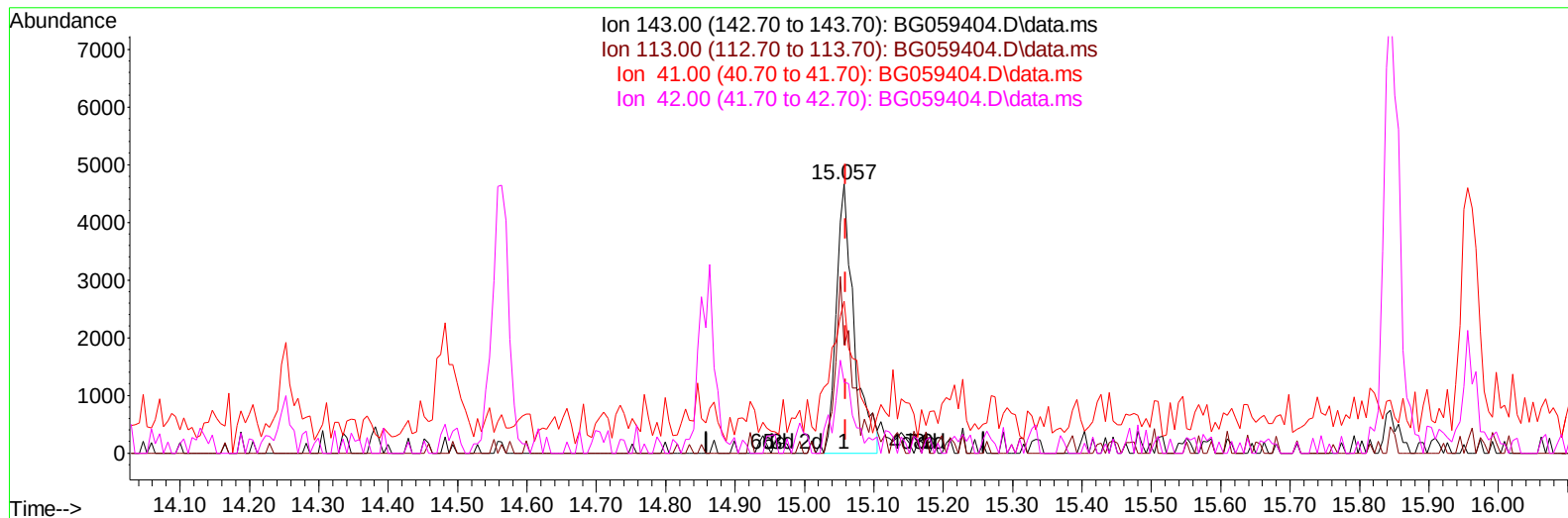
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG100923\  
Data File : BG059404.D  
Acq On : 9 Oct 2023 19:59  
Operator : MA/JU  
Sample : 04654-10  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BBBT3

Manual IntegrationsAPPROVED

Quant Time: Oct 09 23:39:35 2023  
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Quant Title : SVOA CALIBRATION  
QLast Update : Sat Oct 07 22:45:22 2023  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/11/2023  
Supervised By :mohammad ahmed 10/11/2023



TIC: BG059404.D\data.ms

(54) 4-Nitrophenol-d4 (S)

15.057min (-0.002) 4.20 ng/ul m

response 8271

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 62.30  | 40.13# |
| 41.00  | 43.70  | 56.48# |
| 42.00  | 26.40  | 26.28  |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG100923\  
 Data File : BG059404.D  
 Acq On : 9 Oct 2023 19:59  
 Operator : MA/JU  
 Sample : 04654-10  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BBBT3

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/11/2023  
 Supervised By :mohammad ahmed 10/11/2023

Quant Time: Oct 09 23:40:23 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG100723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Oct 07 22:45:22 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.224  | 152  | 40191    | 20.000 | ng/ul | 0.00     |
| 20) Naphthalene-d8            | 11.068 | 136  | 198404   | 20.000 | ng/ul | 0.00     |
| 38) Acenaphthene-d10          | 14.858 | 164  | 128276   | 20.000 | ng/ul | 0.00     |
| 64) Phenanthrene-d10          | 17.607 | 188  | 284787   | 20.000 | ng/ul | 0.00     |
| 79) Chrysene-d12              | 21.914 | 240  | 254701   | 20.000 | ng/ul | 0.00     |
| 88) Perylene-d12              | 25.392 | 264  | 300572   | 20.000 | ng/ul | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 3) 1,4-Dioxane-d8             | 3.518  | 96   | 5653m    | 5.015  | ng/uL | 0.00     |
| 4) Pyridine-d5                | 3.964  | 84   | 56057    | 17.277 | ng/ul | 0.00     |
| 7) Phenol-d5                  | 7.355  | 99   | 27074    | 6.101  | ng/ul | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.548  | 67   | 105855   | 42.202 | ng/ul | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.748  | 132  | 85890    | 27.673 | ng/ul | 0.00     |
| 15) 4-Methylphenol-d8         | 8.917  | 113  | 52194    | 15.095 | ng/ul | 0.00     |
| 21) Nitrobenzene-d5           | 9.429  | 128  | 70600    | 41.801 | ng/ul | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.140 | 143  | 70738    | 38.696 | ng/ul | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.668 | 165  | 118581   | 35.939 | ng/ul | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.215 | 131  | 149392   | 28.504 | ng/ul | 0.00     |
| 46) Dimethylphthalate-d6      | 14.258 | 166  | 454573   | 43.255 | ng/ul | 0.00     |
| 49) Acenaphthylene-d8         | 14.564 | 160  | 549651   | 43.950 | ng/ul | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.057 | 143  | 8271m    | 4.200  | ng/ul | 0.00     |
| 60) Fluorene-d10              | 15.851 | 176  | 417233   | 41.593 | ng/ul | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.962 | 200  | 73628    | 39.158 | ng/ul | 0.00     |
| 73) Anthracene-d10            | 17.707 | 188  | 628515   | 44.989 | ng/ul | 0.00     |
| 81) Pyrene-d10                | 19.981 | 212  | 703303   | 45.581 | ng/ul | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.146 | 264  | 705473   | 44.603 | ng/ul | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
| 2) 1,4-Dioxane                | 3.571  | 88   | 4627m    | 3.845  | ng/uL | Qvalue   |
| -----                         |        |      |          |        |       |          |

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

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