

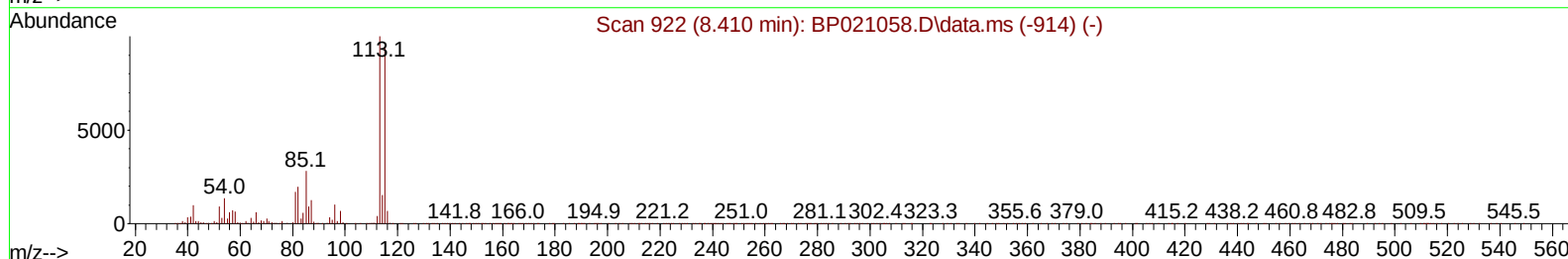
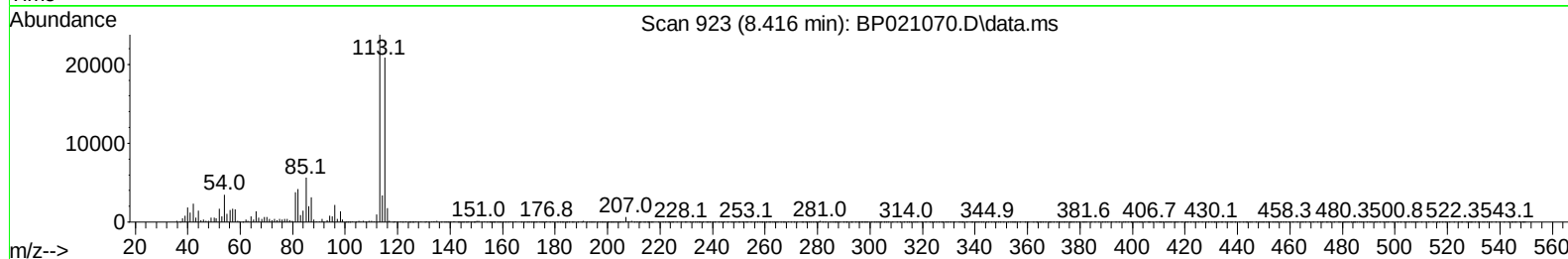
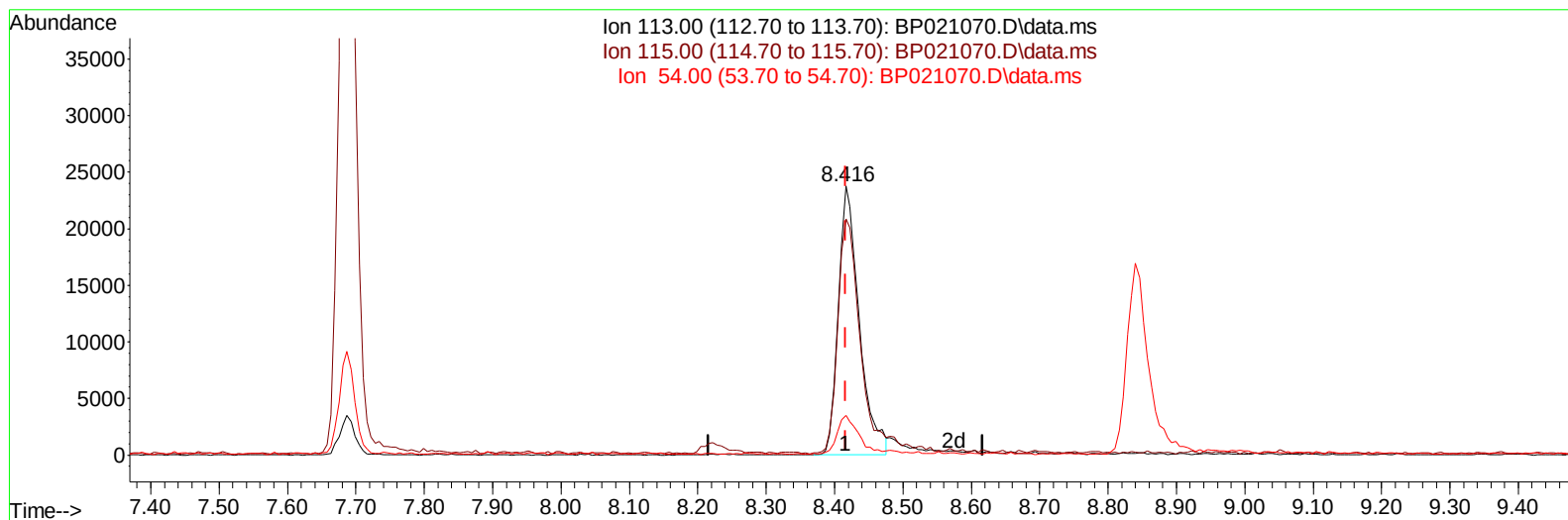
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071824\  
Data File : BP021070.D  
Acq On : 19 Jul 2024 08:35  
Operator : MA/JU  
Sample : P3215-04DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4C02DL

Manual IntegrationsAPPROVED

Quant Time: Jul 19 09:01:27 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jul 18 14:23:21 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/19/2024  
Supervised By :mohammad ahmed 07/20/2024



TIC: BP021070.D\data.ms

(15) 4-Methylphenol-d8 (S)

8.416min (+ 0.000) 4.16 ng/u1

response 50630

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 115.00 | 93.20  | 87.85  |
| 54.00  | 13.70  | 14.68  |
| 0.00   | 0.00   | 0.00   |

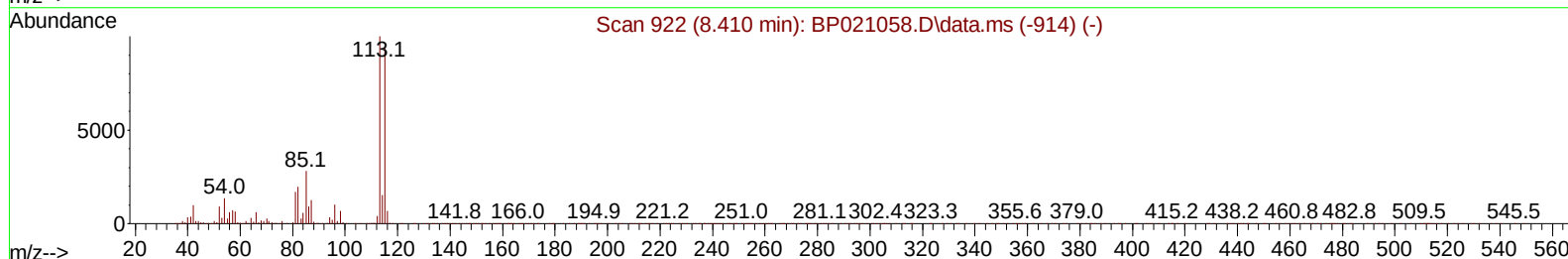
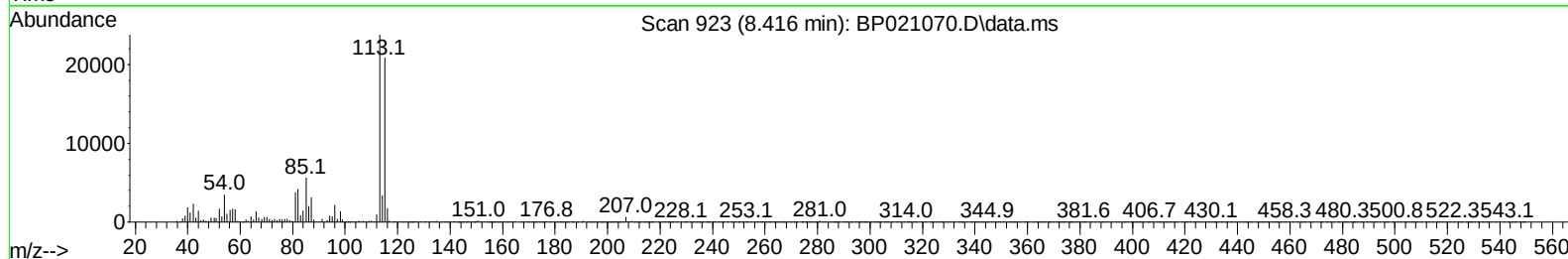
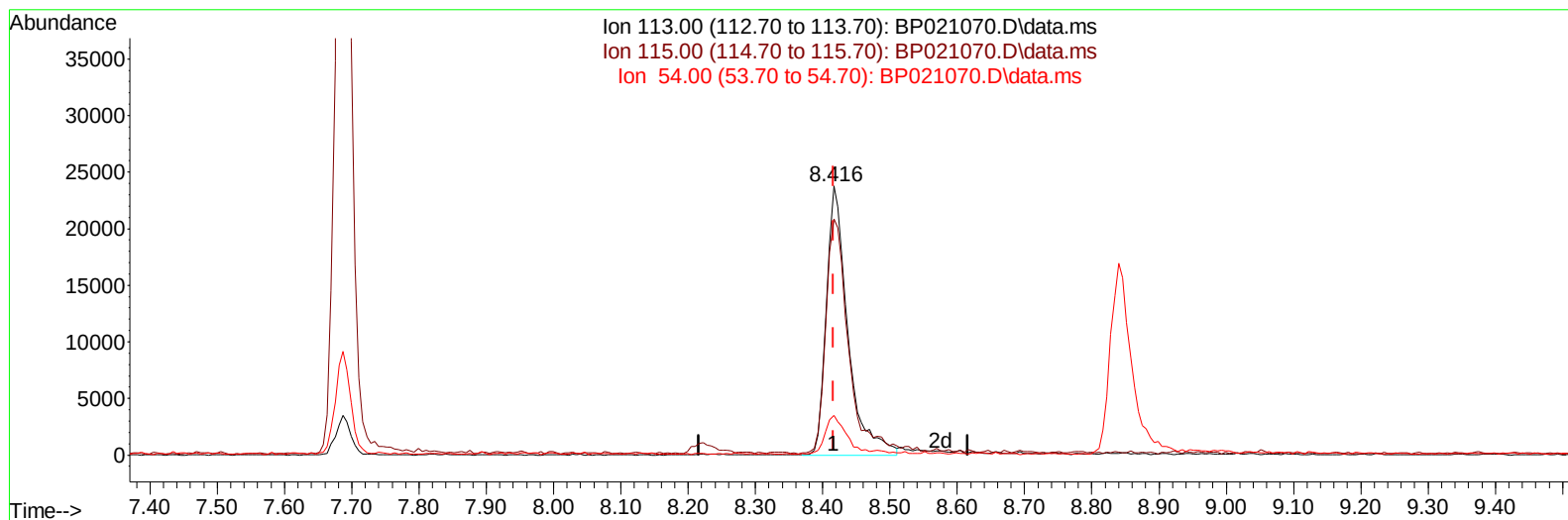
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071824\  
Data File : BP021070.D  
Acq On : 19 Jul 2024 08:35  
Operator : MA/JU  
Sample : P3215-04DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4C02DL

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/19/2024  
Supervised By :mohammad ahmed 07/20/2024

Quant Time: Jul 19 09:01:27 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jul 18 14:23:21 2024  
Response via : Initial Calibration



TIC: BP021070.D\data.ms

## (15) 4-Methylphenol-d8 (S)

8.416min (+ 0.000) 4.34 ng/ul m

response 52905

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 115.00 | 93.20  | 87.85  |
| 54.00  | 13.70  | 14.68  |
| 0.00   | 0.00   | 0.00   |

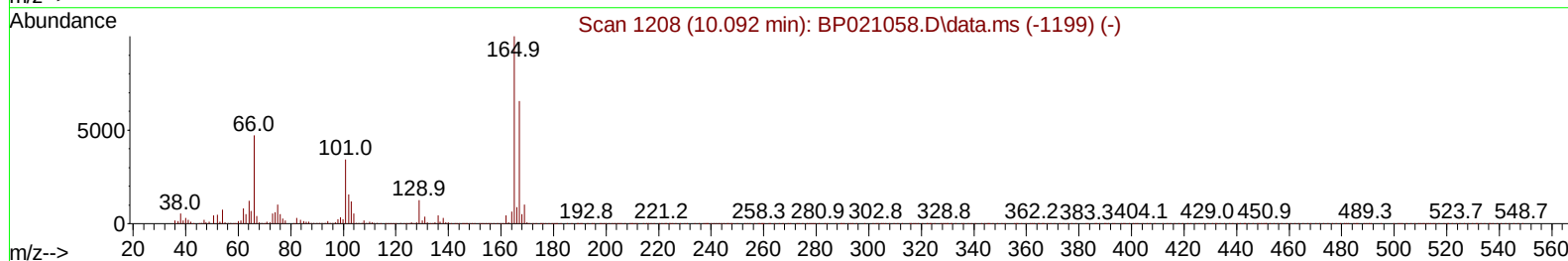
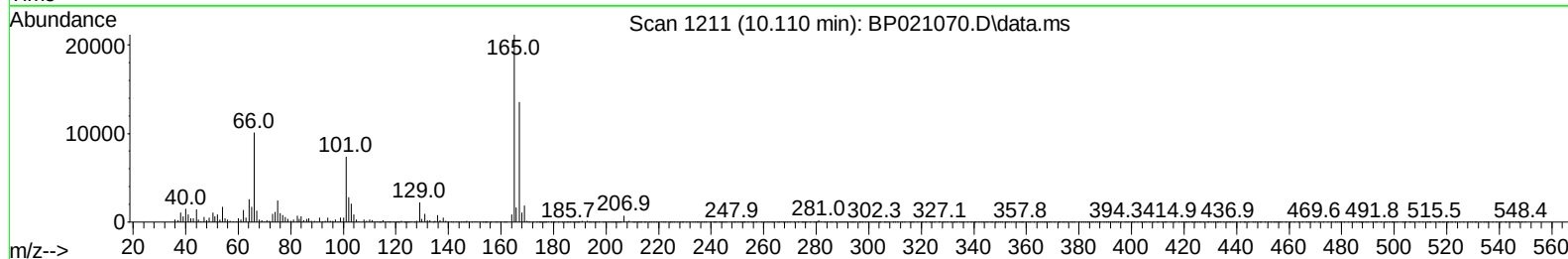
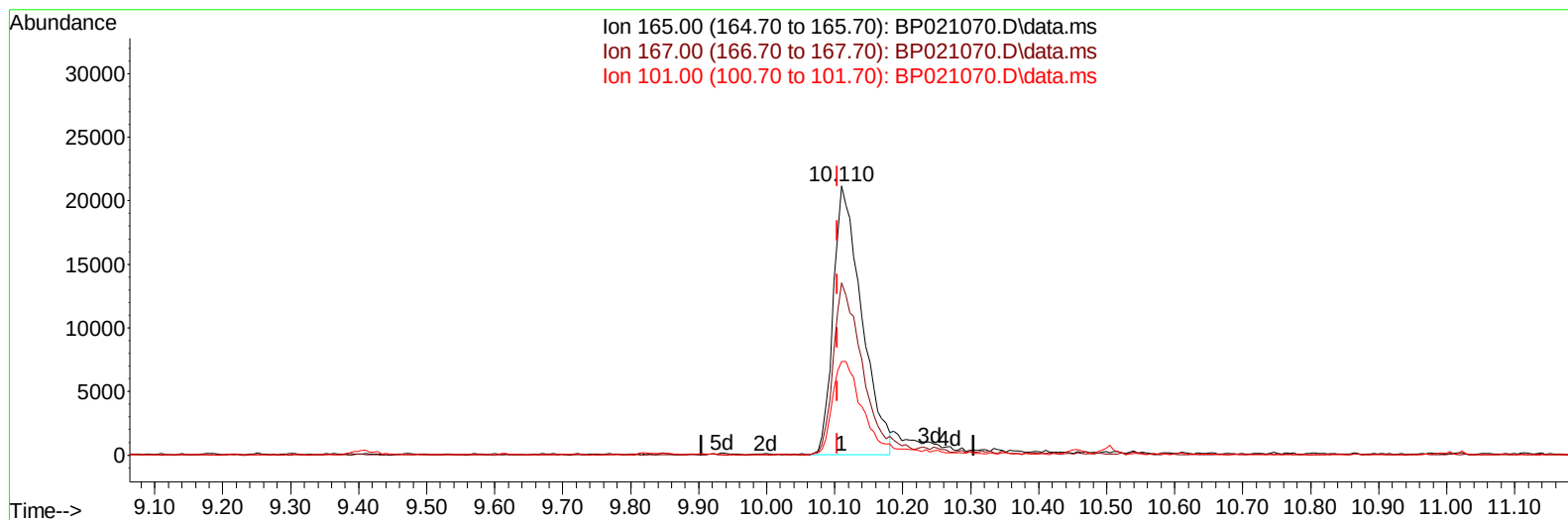
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071824\  
Data File : BP021070.D  
Acq On : 19 Jul 2024 08:35  
Operator : MA/JU  
Sample : P3215-04DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4C02DL

Manual IntegrationsAPPROVED

Quant Time: Jul 19 09:01:27 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jul 18 14:23:21 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/19/2024  
Supervised By :mohammad ahmed 07/20/2024



TIC: BP021070.D\data.ms

(28) 2,4-Dichlorophenol-d3 (S)

10.110min (+ 0.006) 5.22 ng/ul

response 61526

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 165.00 | 100.00 | 100.00 |
| 167.00 | 62.80  | 63.99  |
| 101.00 | 35.50  | 34.78  |
| 0.00   | 0.00   | 0.00   |

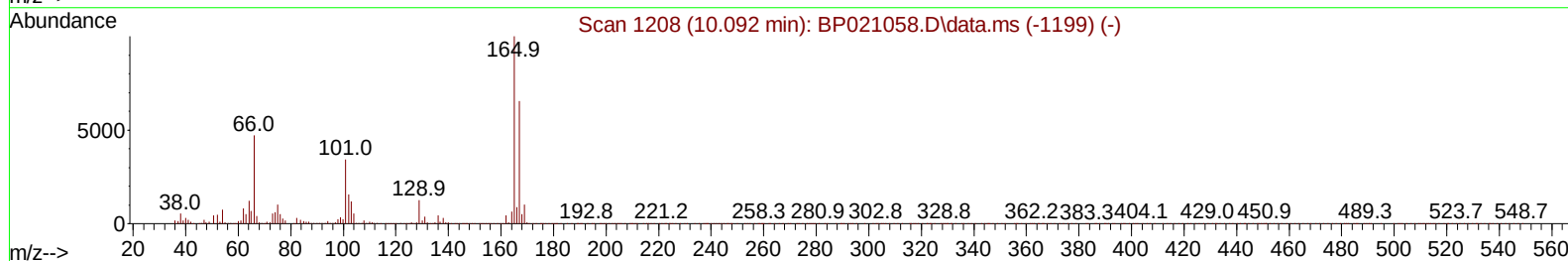
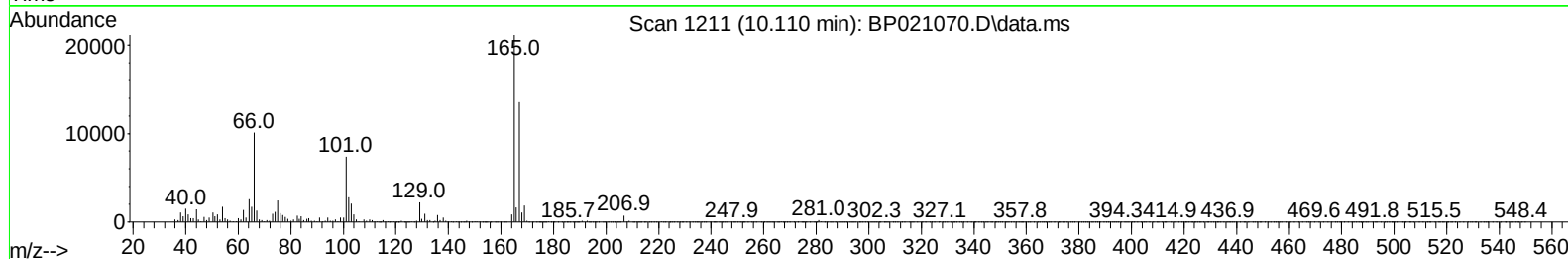
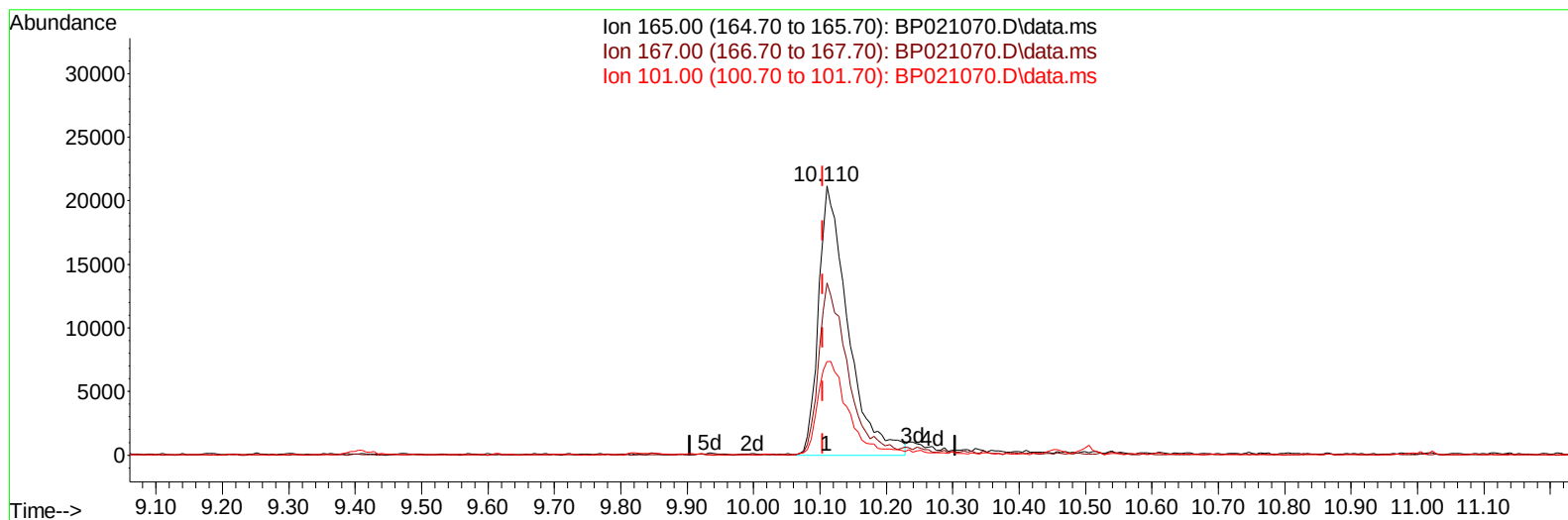
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071824\  
 Data File : BP021070.D  
 Acq On : 19 Jul 2024 08:35  
 Operator : MA/JU  
 Sample : P3215-04DL 5X  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4C02DL

Manual IntegrationsAPPROVED

Quant Time: Jul 19 09:01:27 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 18 14:23:21 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/19/2024  
 Supervised By :mohammad ahmed 07/20/2024



TIC: BP021070.D\data.ms

(28) 2,4-Dichlorophenol-d3 (S)

10.110min (+ 0.006) 5.53 ng/ul m

response 65230

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 165.00 | 100.00 | 100.00 |
| 167.00 | 62.80  | 63.99  |
| 101.00 | 35.50  | 34.78  |
| 0.00   | 0.00   | 0.00   |

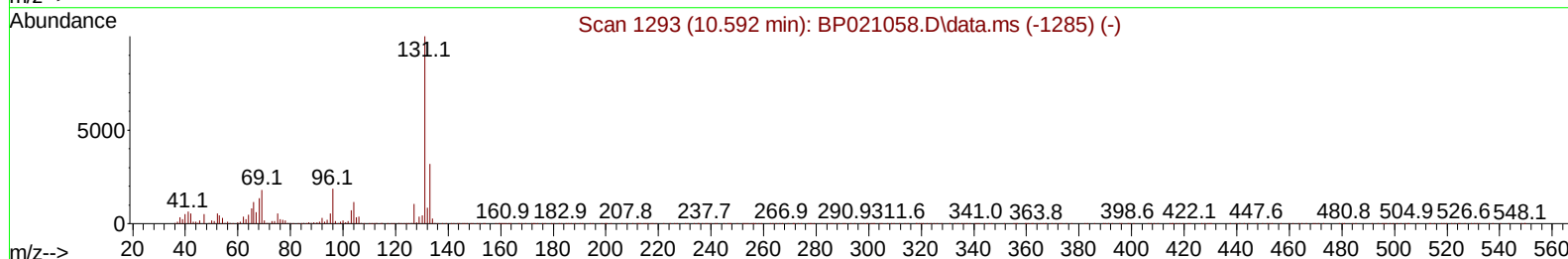
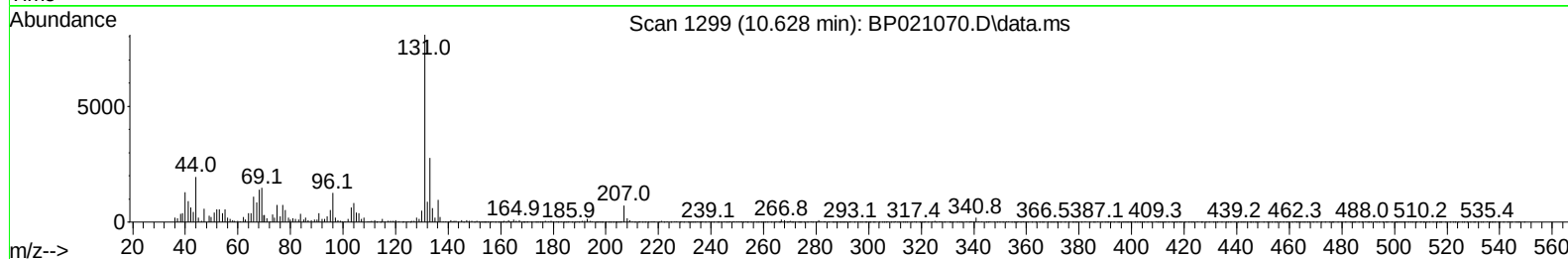
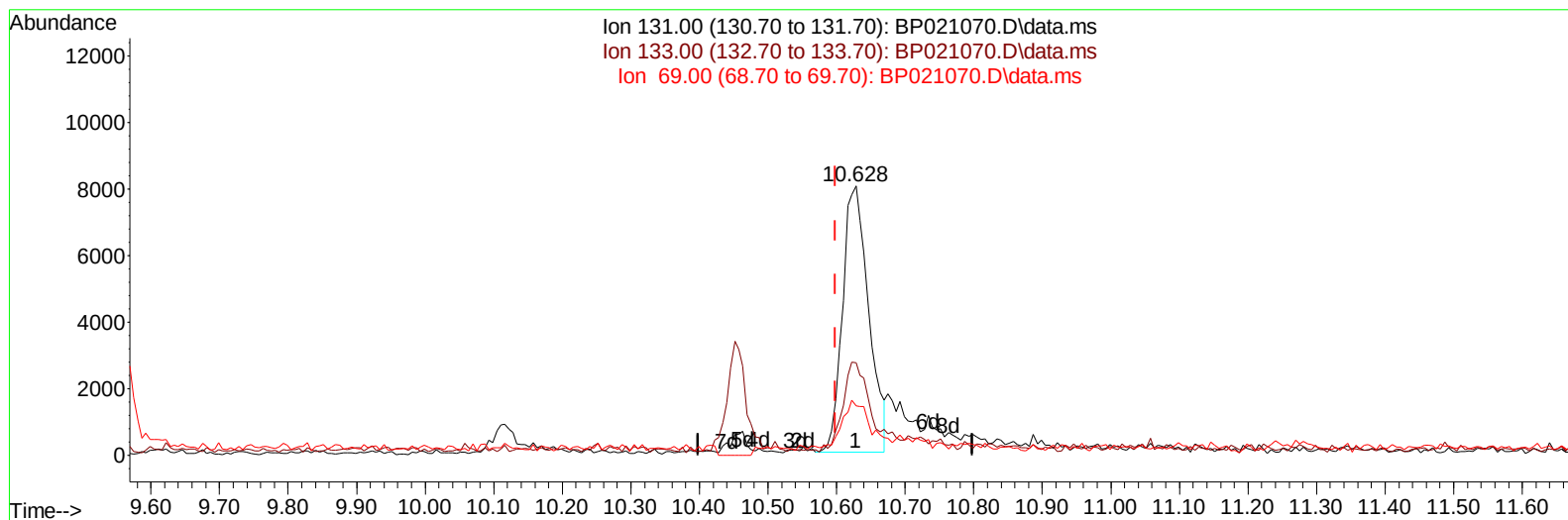
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071824\  
 Data File : BP021070.D  
 Acq On : 19 Jul 2024 08:35  
 Operator : MA/JU  
 Sample : P3215-04DL 5X  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4C02DL

Manual IntegrationsAPPROVED

Quant Time: Jul 19 09:01:27 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 18 14:23:21 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/19/2024  
 Supervised By :mohammad ahmed 07/20/2024



TIC: BP021070.D\data.ms

(31) 4-Chloroaniline-d4 (S)

10.628min (+ 0.030) 1.36 ng/ul

response 21180

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 131.00 | 100.00 | 100.00 |
| 133.00 | 32.50  | 34.35  |
| 69.00  | 17.40  | 18.29  |
| 0.00   | 0.00   | 0.00   |

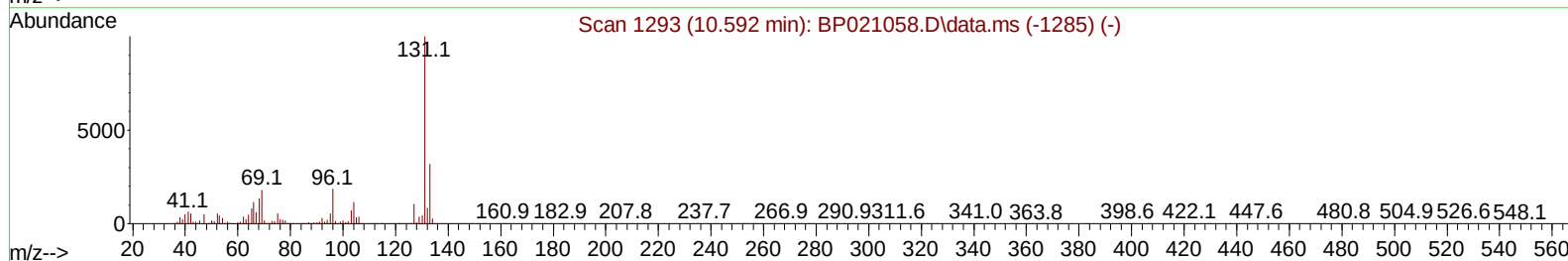
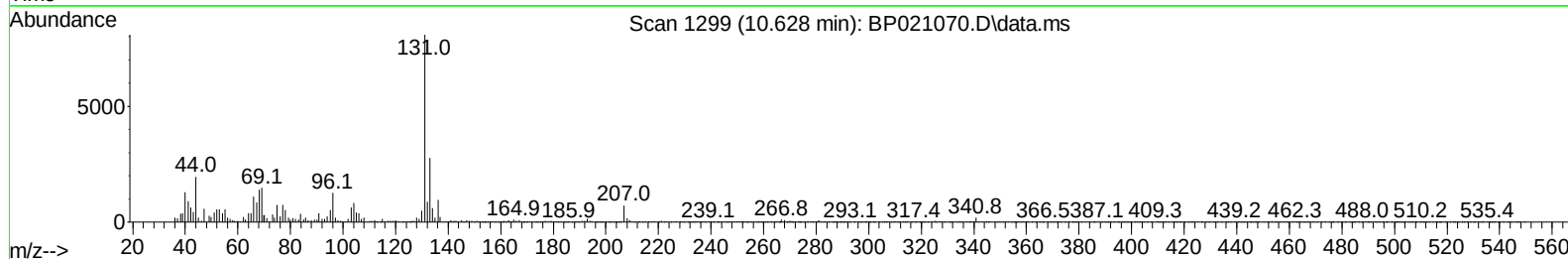
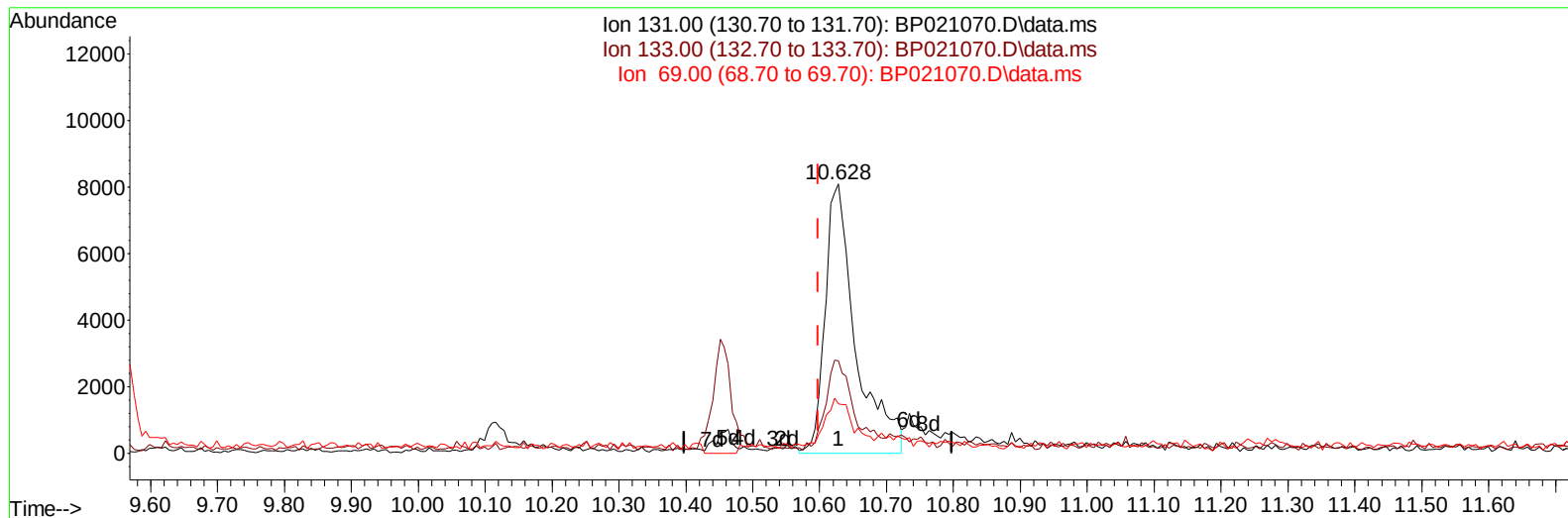
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071824\  
Data File : BP021070.D  
Acq On : 19 Jul 2024 08:35  
Operator : MA/JU  
Sample : P3215-04DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4C02DL

Manual IntegrationsAPPROVED

Quant Time: Jul 19 09:01:27 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jul 18 14:23:21 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/19/2024  
Supervised By :mohammad ahmed 07/20/2024



TIC: BP021070.D\data.ms

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

**10.628min (+ 0.030) 1.64 ng/ul m**

**response 25654**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 131.00 | 100.00 | 100.00 |
| 133.00 | 32.50  | 34.35  |
| 69.00  | 17.40  | 18.29  |
| 0.00   | 0.00   | 0.00   |

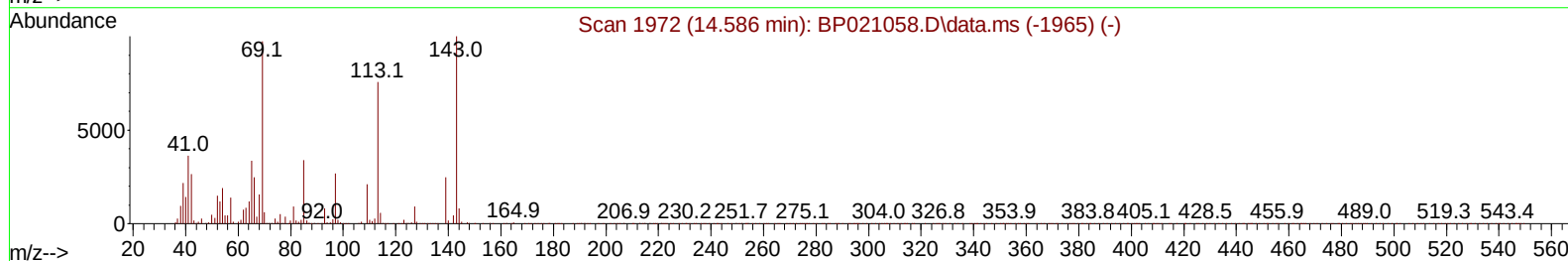
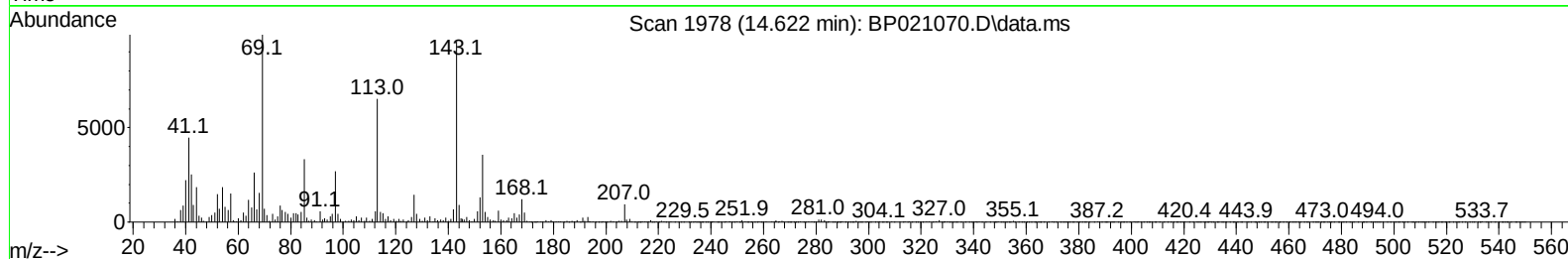
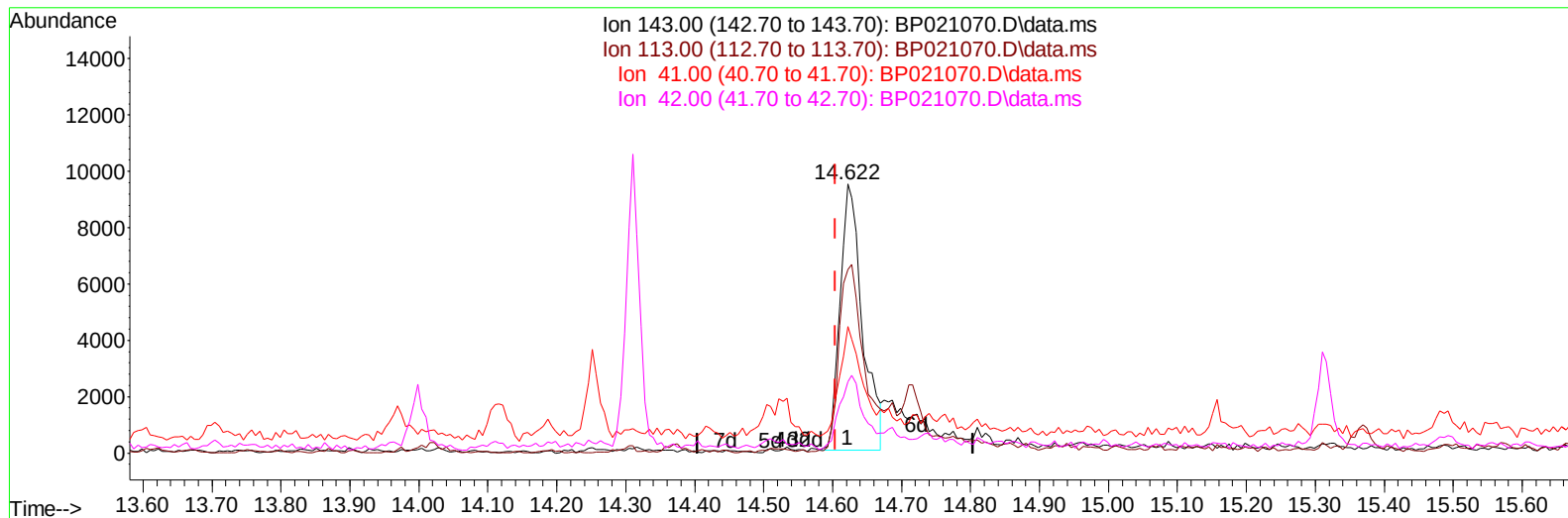
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071824\  
Data File : BP021070.D  
Acq On : 19 Jul 2024 08:35  
Operator : MA/JU  
Sample : P3215-04DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4C02DL

Manual IntegrationsAPPROVED

Quant Time: Jul 19 09:01:27 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jul 18 14:23:21 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/19/2024  
Supervised By :mohammad ahmed 07/20/2024



TIC: BP021070.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.622min (+ 0.018) 4.19 ng/ul

response 21248

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 74.70  | 68.24  |
| 41.00  | 37.90  | 47.02# |
| 42.00  | 27.10  | 26.51  |

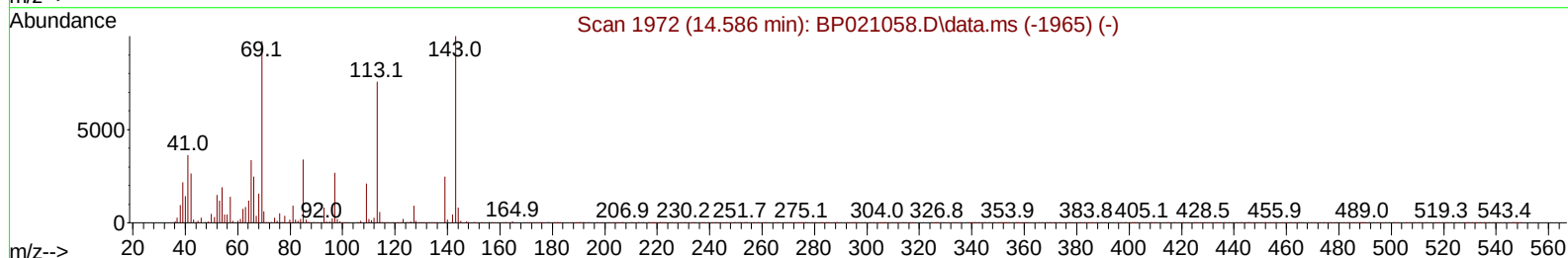
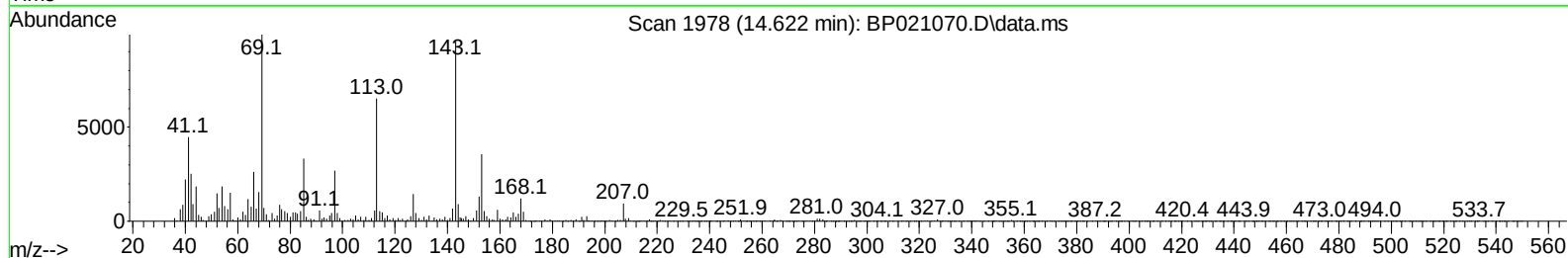
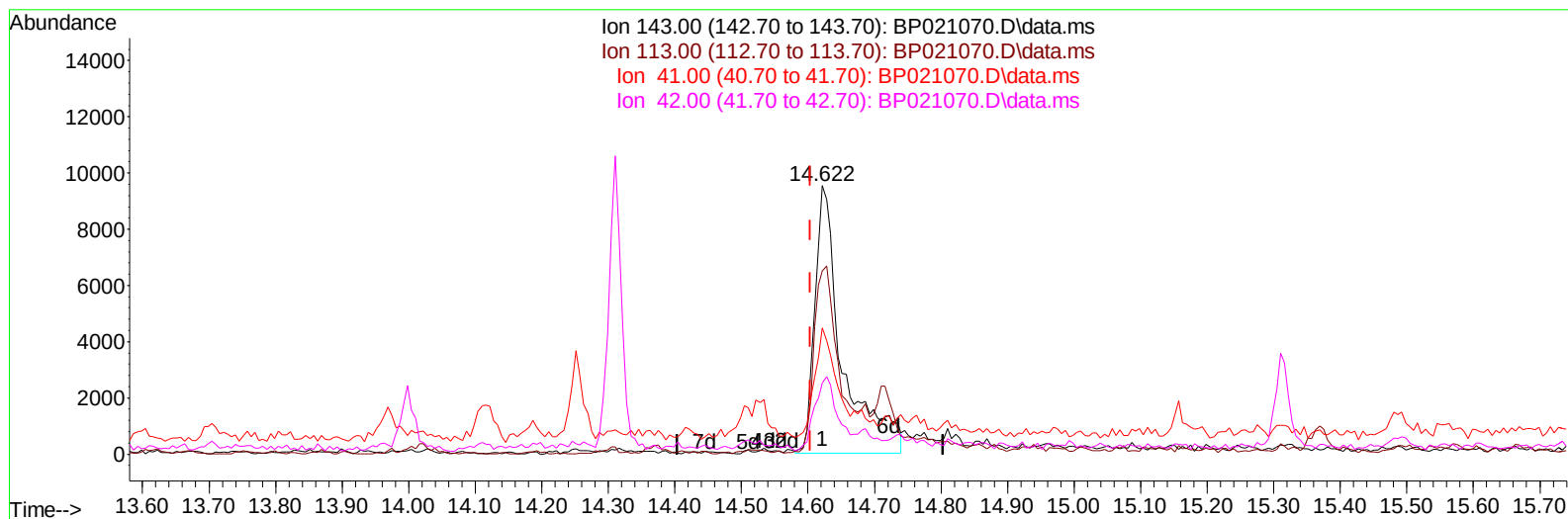
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071824\  
 Data File : BP021070.D  
 Acq On : 19 Jul 2024 08:35  
 Operator : MA/JU  
 Sample : P3215-04DL 5X  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4C02DL

Manual IntegrationsAPPROVED

Quant Time: Jul 19 09:01:27 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 18 14:23:21 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/19/2024  
 Supervised By :mohammad ahmed 07/20/2024



TIC: BP021070.D\data.ms

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

**14.622min (+ 0.018) 5.43 ng/ul m**

**response 27498**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 74.70  | 68.24  |
| 41.00  | 37.90  | 47.02# |
| 42.00  | 27.10  | 26.51  |



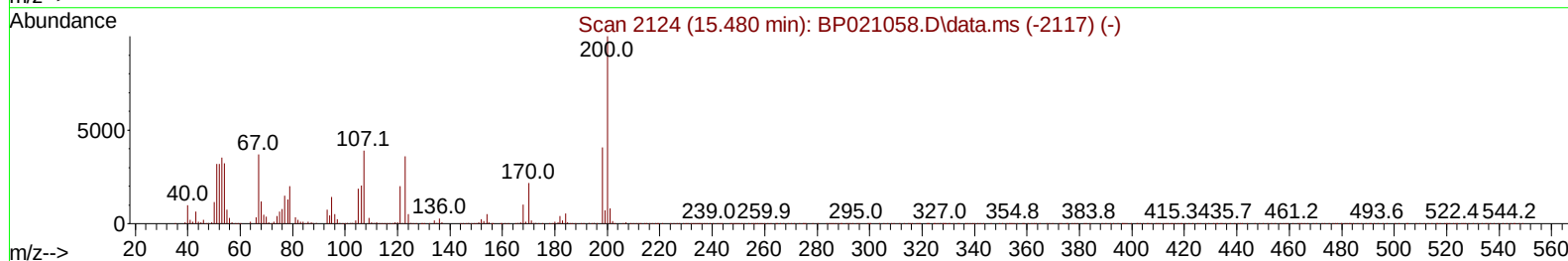
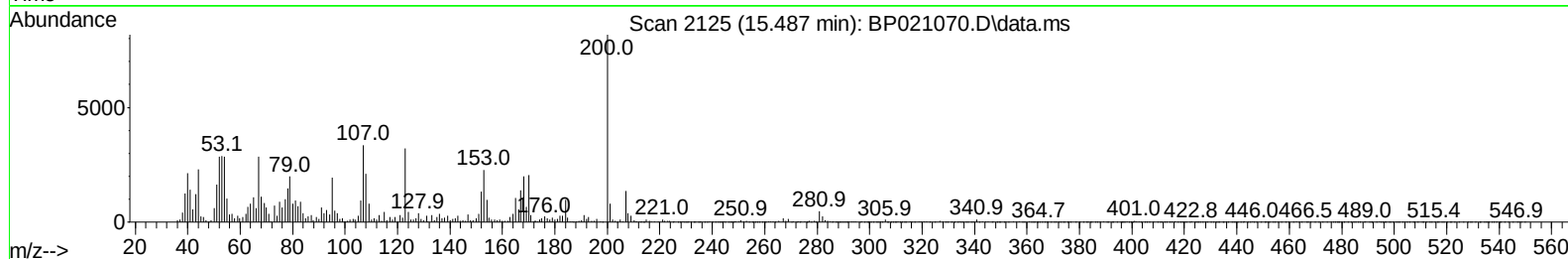
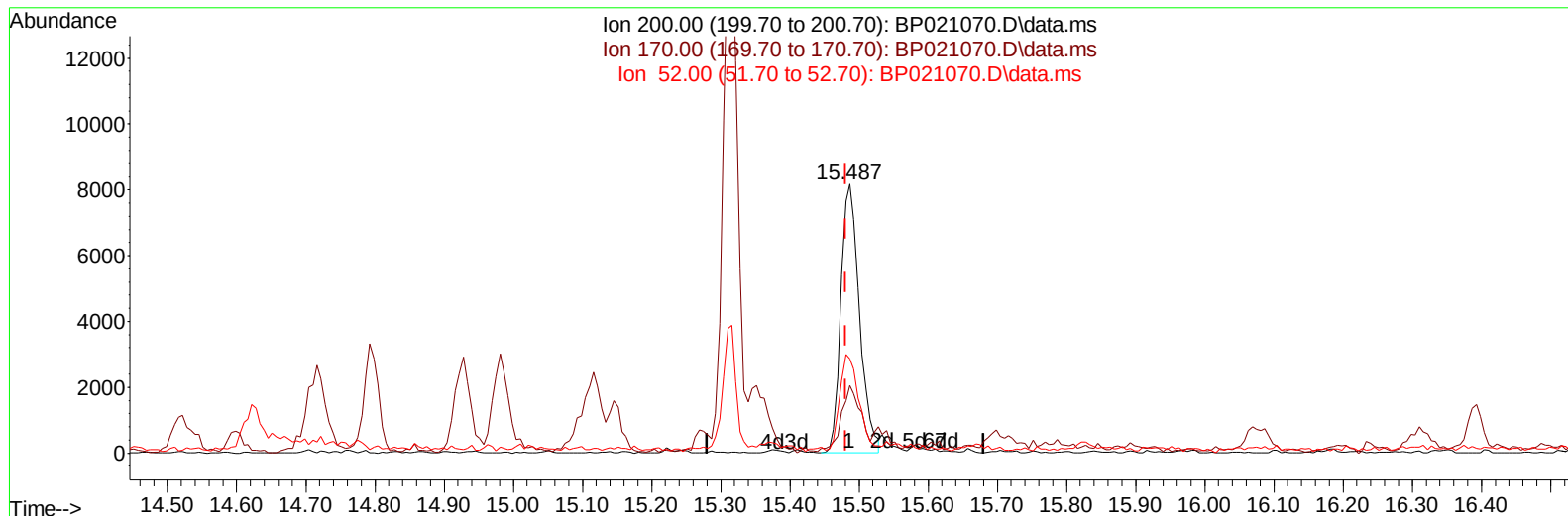
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071824\  
Data File : BP021070.D  
Acq On : 19 Jul 2024 08:35  
Operator : MA/JU  
Sample : P3215-04DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4C02DL

Manual IntegrationsAPPROVED

Quant Time: Jul 19 09:01:27 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jul 18 14:23:21 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/19/2024  
Supervised By :mohammad ahmed 07/20/2024



TIC: BP021070.D\data.ms

(65) 4,6-Dinitro-2-methylphenol-d2 (S)

15.487min (+ 0.006) 2.22 ng/u1

response 15249

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 200.00 | 100.00 | 100.00 |
| 170.00 | 21.00  | 25.07  |
| 52.00  | 38.50  | 35.02  |
| 0.00   | 0.00   | 0.00   |

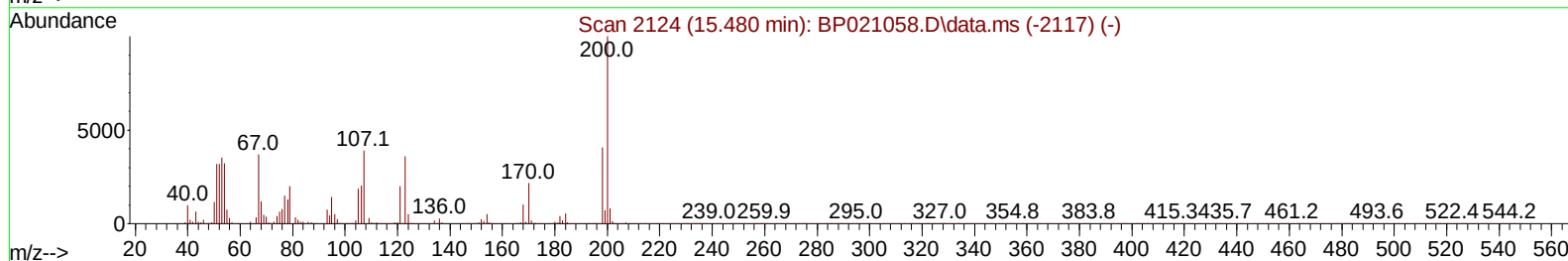
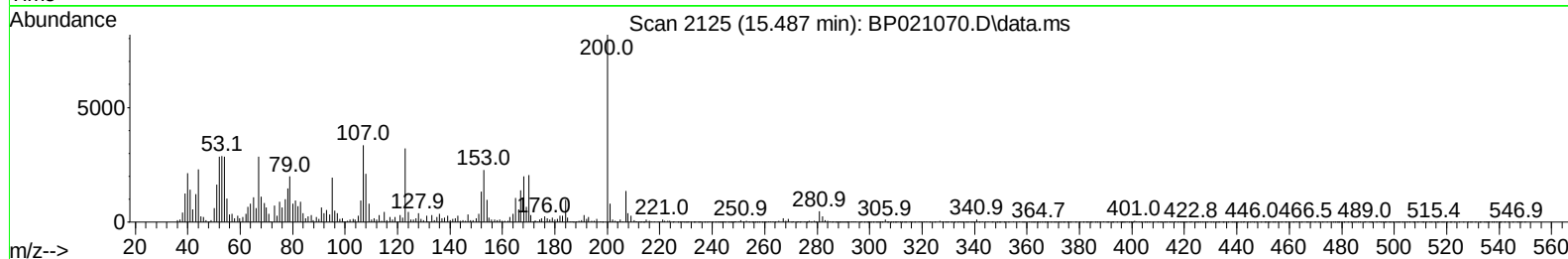
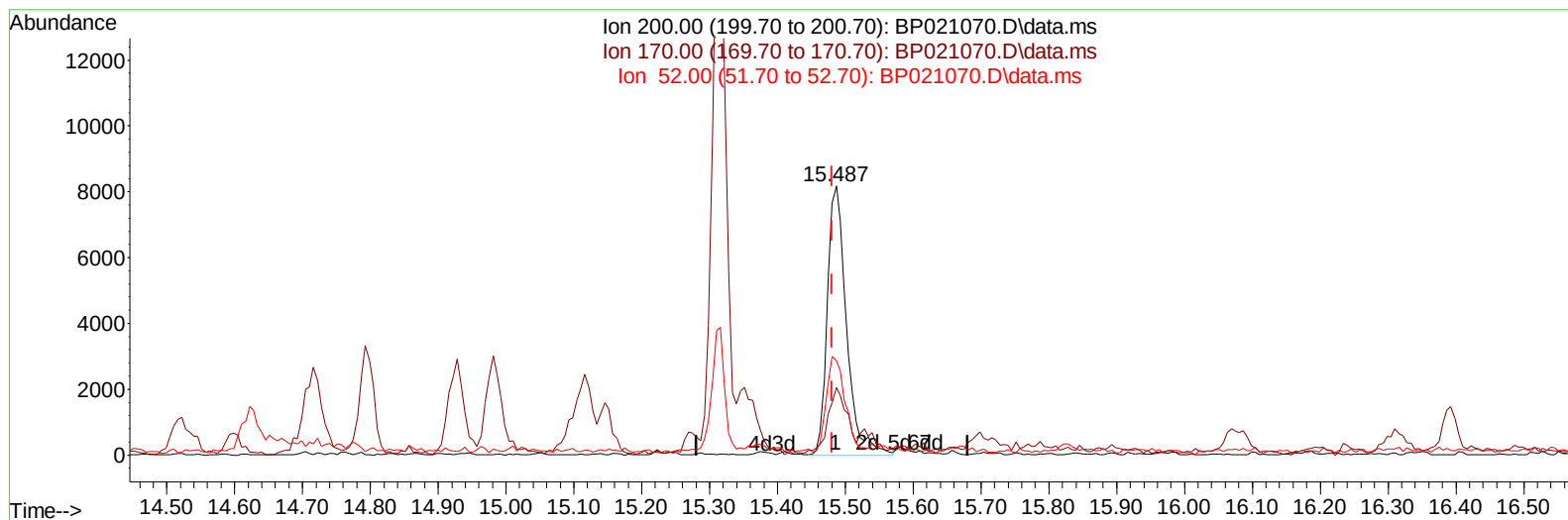
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071824\  
 Data File : BP021070.D  
 Acq On : 19 Jul 2024 08:35  
 Operator : MA/JU  
 Sample : P3215-04DL 5X  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4C02DL

Manual IntegrationsAPPROVED

Quant Time: Jul 19 09:01:27 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 18 14:23:21 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/19/2024  
 Supervised By :mohammad ahmed 07/20/2024



TIC: BP021070.D\data.ms

(65) 4,6-Dinitro-2-methylphenol-d2 (S)

15.487min (+ 0.006) 2.31 ng/ul m

response 15915

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 200.00 | 100.00 | 100.00 |
| 170.00 | 21.00  | 25.07  |
| 52.00  | 38.50  | 35.02  |
| 0.00   | 0.00   | 0.00   |

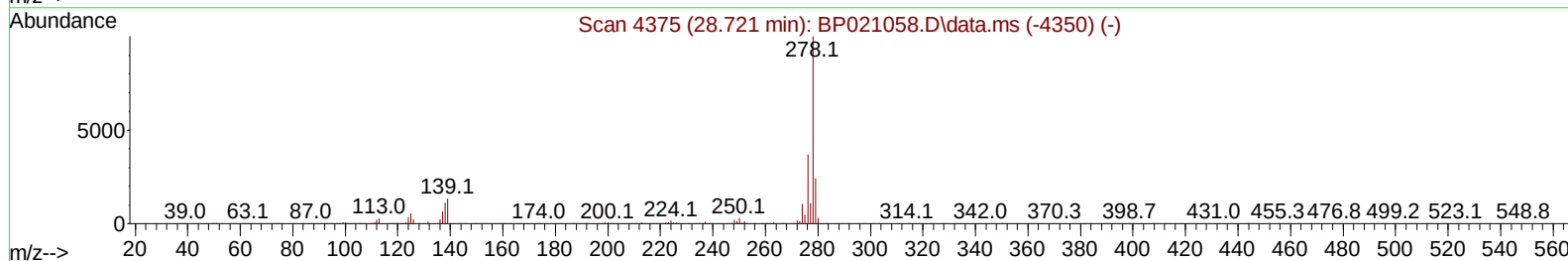
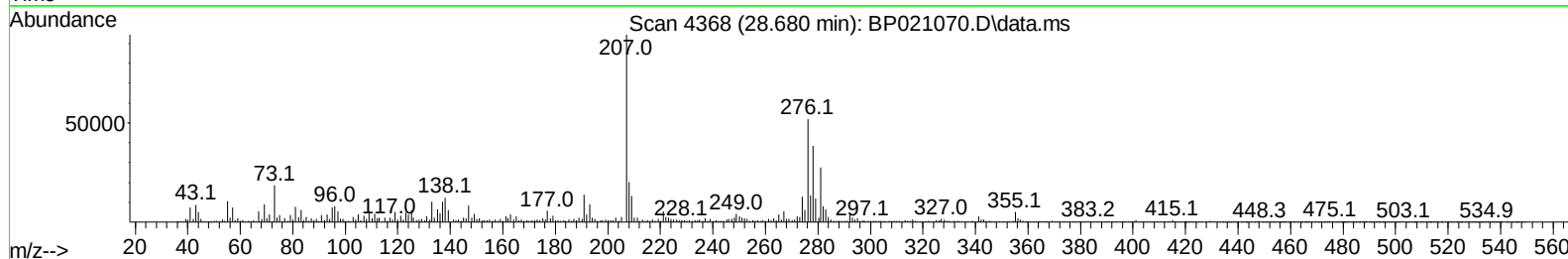
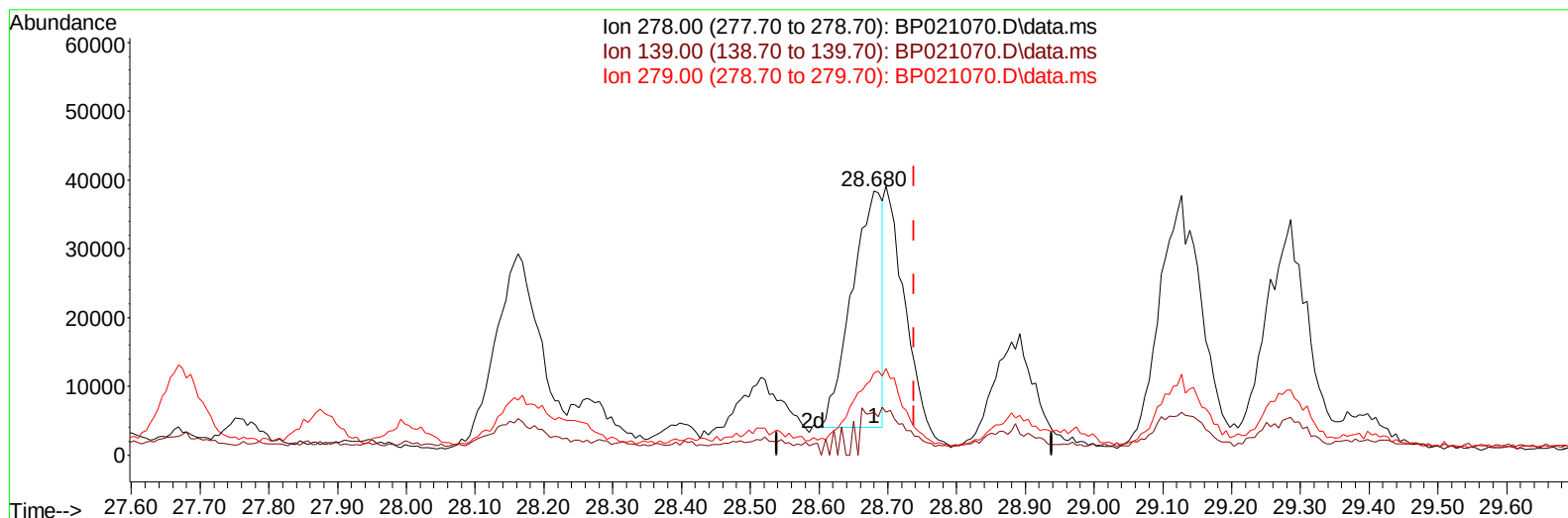
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071824\  
Data File : BP021070.D  
Acq On : 19 Jul 2024 08:35  
Operator : MA/JU  
Sample : P3215-04DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4C02DL

Manual IntegrationsAPPROVED

Quant Time: Jul 19 09:03:42 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jul 18 14:23:21 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/19/2024  
Supervised By :mohammad ahmed 07/20/2024



TIC: BP021070.D\data.ms

(95) Dibenzo(a,h)anthracene

28.680min (-0.059) 1.18 ng/u1

response 106074

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 13.60  | 16.19  |
| 279.00 | 24.20  | 31.07# |
| 0.00   | 0.00   | 0.00   |

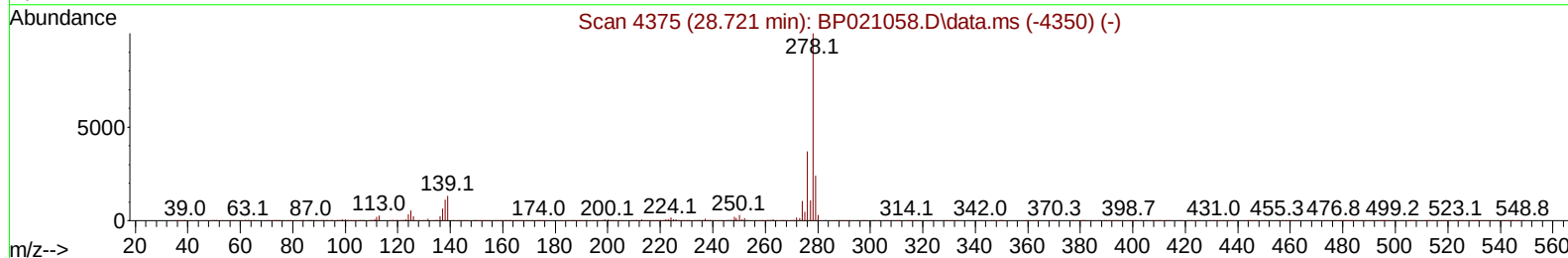
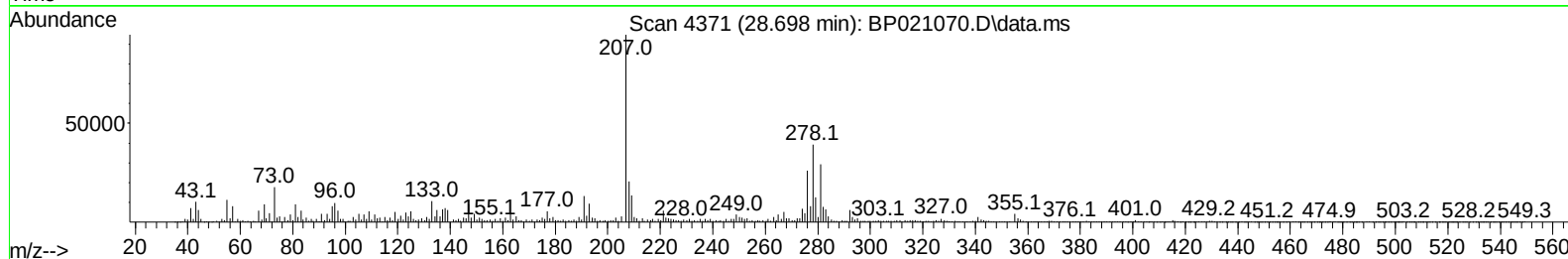
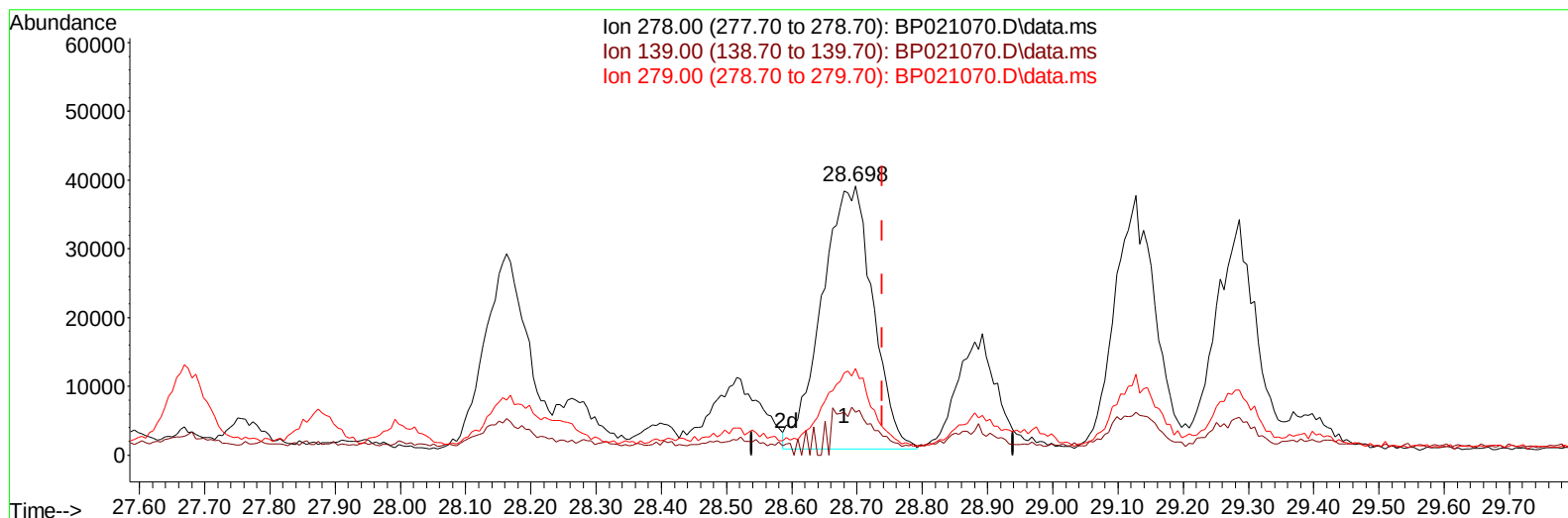
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071824\  
Data File : BP021070.D  
Acq On : 19 Jul 2024 08:35  
Operator : MA/JU  
Sample : P3215-04DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4C02DL

Manual IntegrationsAPPROVED

Quant Time: Jul 19 09:03:42 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jul 18 14:23:21 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/19/2024  
Supervised By :mohammad ahmed 07/20/2024



TIC: BP021070.D\data.ms

(95) Dibenzo(a,h)anthracene

28.698min (-0.041) 2.31 ng/ul m

response 207573

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 13.60  | 16.01  |
| 279.00 | 24.20  | 32.23# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071824\  
 Data File : BP021070.D  
 Acq On : 19 Jul 2024 08:35  
 Operator : MA/JU  
 Sample : P3215-04DL 5X  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4C02DL

Manual IntegrationsAPPROVED

Quant Time: Jul 19 09:04:28 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 18 14:23:21 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/19/2024  
 Supervised By :mohammad ahmed 07/20/2024

| Compound                      | R.T.   | Q   | Ion | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|-----|-----|----------|--------|--------|----------|
| -----                         |        |     |     |          |        |        |          |
| Internal Standards            |        |     |     |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.687  | 152 |     | 179924   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.452 | 136 |     | 733788   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.310 | 164 |     | 490045   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.122 | 188 |     | 1137144  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.569 | 240 |     | 1182731  | 20.000 | ng/ul  | -0.01    |
| 88) Perylene-d12              | 24.874 | 264 |     | 1471598  | 20.000 | ng/ul  | -0.04    |
| System Monitoring Compounds   |        |     |     |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.234  | 96  |     | 3383     | 0.856  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 0.000  | 84  |     | 0d       | 0.000  | ng/ul  |          |
| 7) Phenol-d5                  | 6.905  | 99  |     | 77201    | 5.263  | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.040  | 67  |     | 44139    | 4.965  | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.240  | 132 |     | 66037    | 5.464  | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.416  | 113 |     | 52905m   | 4.343  | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.846  | 128 |     | 29904    | 5.247  | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.552  | 143 |     | 33297    | 5.104  | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.110 | 165 |     | 65230m   | 5.530  | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.628 | 131 |     | 25654m   | 1.642  | ng/ul  | 0.03     |
| 46) Dimethylphthalate-d6      | 13.710 | 166 |     | 212274   | 5.959  | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 13.998 | 160 |     | 248570   | 6.214  | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.622 | 143 |     | 27498m   | 5.425  | ng/ul  | 0.02     |
| 60) Fluorene-d10              | 15.310 | 176 |     | 200896   | 6.874  | ng/ul  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.487 | 200 |     | 15915m   | 2.313  | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.222 | 188 |     | 323436   | 6.404  | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.604 | 212 |     | 316752   | 4.332  | ng/ul  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 24.633 | 264 |     | 223064   | 3.073  | ng/ul  | -0.05    |
| Target Compounds              |        |     |     |          |        |        |          |
|                               |        |     |     |          |        | Qvalue |          |
| 50) Acenaphthylene            | 14.028 | 152 |     | 66110    | 1.460  | ng/ul  | 99       |
| 52) Acenaphthene              | 14.369 | 153 |     | 54949    | 1.828  | ng/ul  | 97       |
| 56) Dibenzofuran              | 14.716 | 168 |     | 50743    | 1.233  | ng/ul  | 100      |
| 61) Fluorene                  | 15.369 | 166 |     | 71112    | 2.117  | ng/ul  | 99       |
| 72) Phenanthrene              | 17.169 | 178 |     | 1422888  | 24.121 | ng/ul  | 100      |
| 74) Anthracene                | 17.257 | 178 |     | 330117   | 5.489  | ng/ul  | 99       |
| 77) Carbazole                 | 17.545 | 167 |     | 110008   | 2.238  | ng/ul  | 99       |
| 80) Fluoranthene              | 19.257 | 202 |     | 2568488  | 29.087 | ng/ul  | 98       |
| 82) Pyrene                    | 19.633 | 202 |     | 1441866  | 16.046 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.545 | 228 |     | 1210230  | 14.607 | ng/ul  | 98       |
| 87) Chrysene                  | 21.610 | 228 |     | 1160043  | 15.068 | ng/ul  | 98       |
| 90) Benzo(b)fluoranthene      | 23.827 | 252 |     | 1505734  | 16.861 | ng/ul  | 97       |
| 91) Benzo(k)fluoranthene      | 23.874 | 252 |     | 581664   | 6.527  | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 24.710 | 252 |     | 428301   | 5.075  | ng/ul  | 94       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.645 | 276 |     | 450236   | 4.140  | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 28.698 | 278 |     | 207573m  | 2.305  | ng/ul  |          |
| -----                         |        |     |     |          |        |        |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071824\  
Data File : BP021070.D  
Acq On : 19 Jul 2024 08:35  
Operator : MA/JU  
Sample : P3215-04DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4C02DL

Manual IntegrationsAPPROVED

Quant Time: Jul 19 09:04:28 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jul 18 14:23:21 2024  
Response via : Initial Calibration

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