

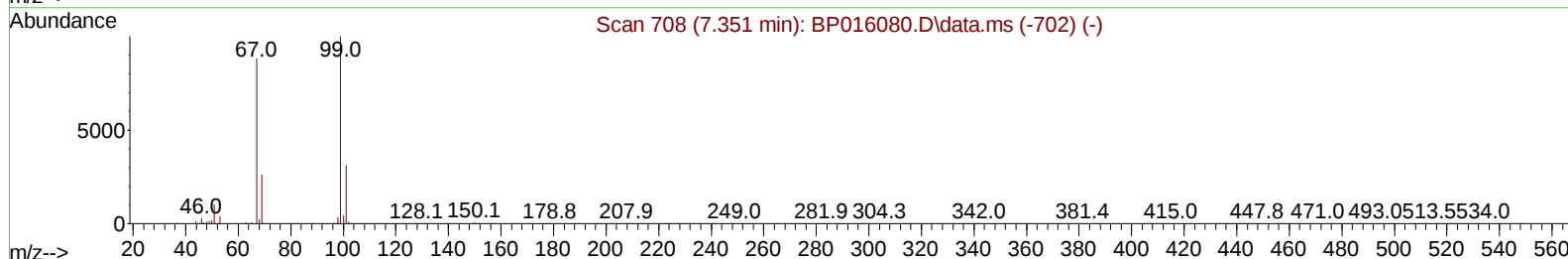
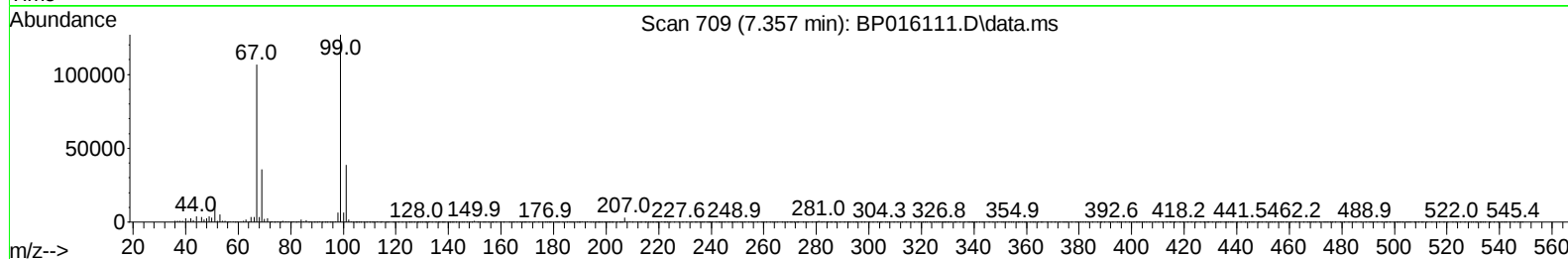
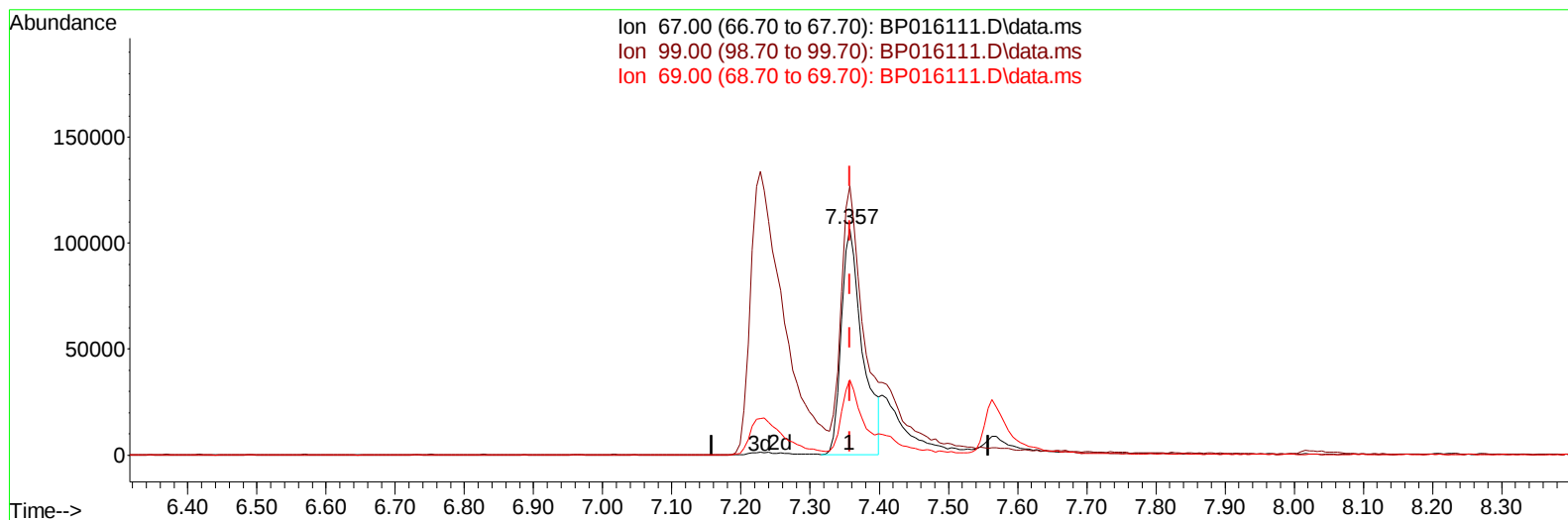
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070823\  
 Data File : BP016111.D  
 Acq On : 09 Jul 2023 02:05  
 Operator : MA/JU  
 Sample : 03350-05  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 YBW28

Manual IntegrationsAPPROVED

Quant Time: Jul 09 02:34:03 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Jul 08 10:11:43 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/10/2023  
 Supervised By :mohammad ahmed 07/10/2023



TIC: BP016111.D\data.ms

**(9) Bis-(2-Chloroethyl)ether-d8 (S)**

7.357min (-0.000) 17.55 ng/u1

response 226848

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 67.00 | 100.00 | 100.00 |
| 99.00 | 117.80 | 118.86 |
| 69.00 | 32.10  | 33.25  |
| 0.00  | 0.00   | 0.00   |

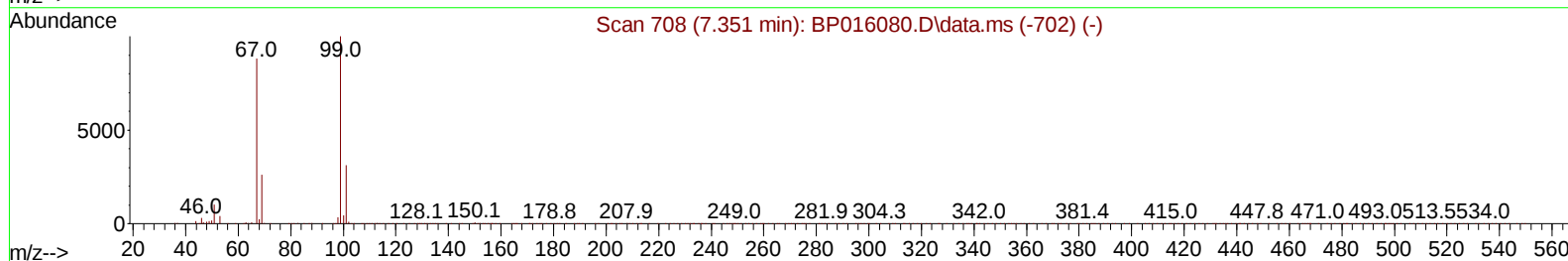
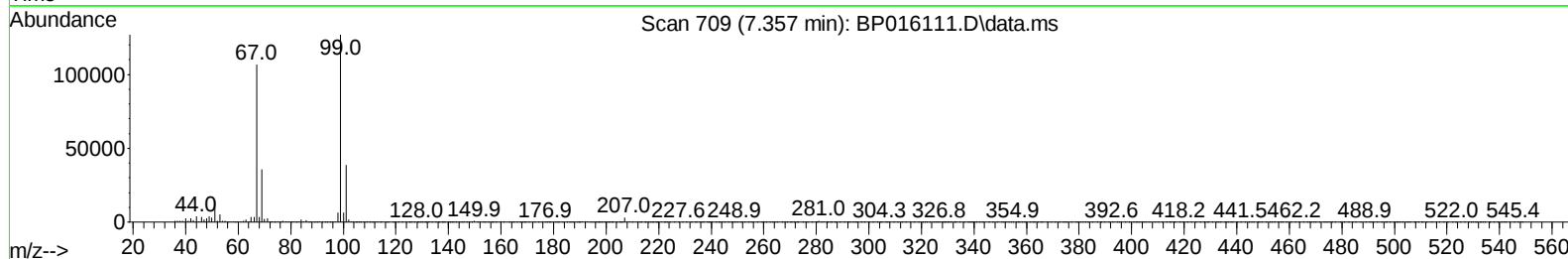
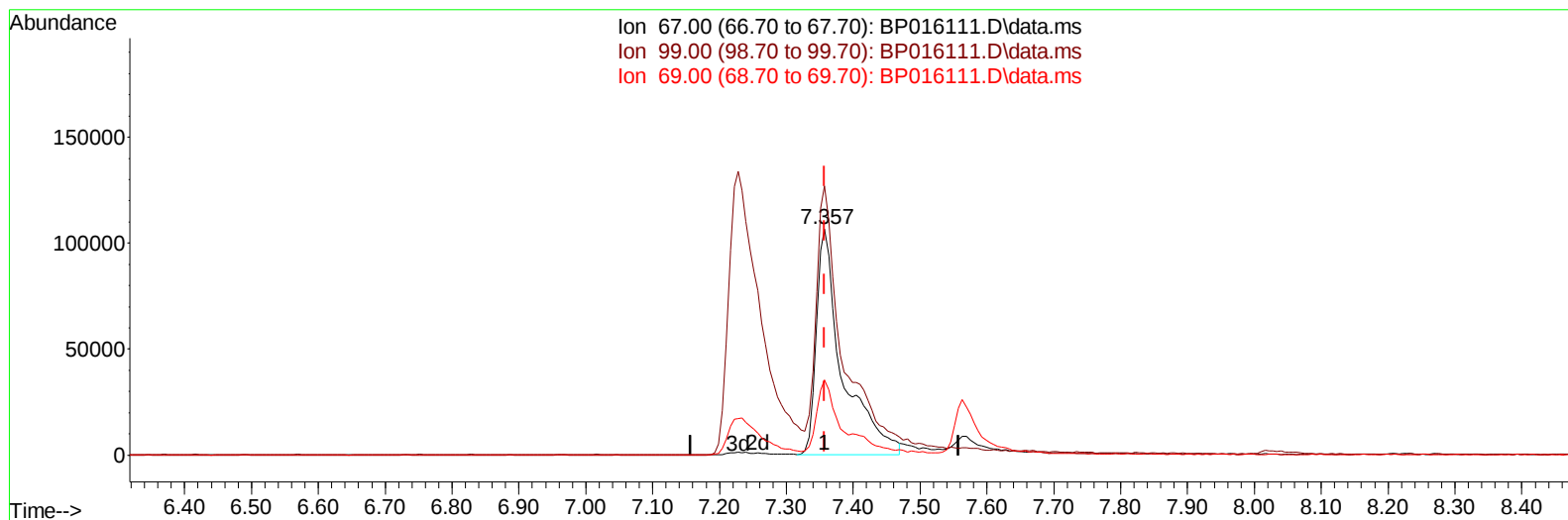
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070823\  
 Data File : BP016111.D  
 Acq On : 09 Jul 2023 02:05  
 Operator : MA/JU  
 Sample : 03350-05  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 YBW28

Manual IntegrationsAPPROVED

Quant Time: Jul 09 02:34:03 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Jul 08 10:11:43 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/10/2023  
 Supervised By :mohammad ahmed 07/10/2023



TIC: BP016111.D\data.ms

**(9) Bis-(2-Chloroethyl)ether-d8 (S)**

7.357min (-0.000) 22.37 ng/ul m

response 289214

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 67.00 | 100.00 | 100.00 |
| 99.00 | 117.80 | 118.86 |
| 69.00 | 32.10  | 33.25  |
| 0.00  | 0.00   | 0.00   |

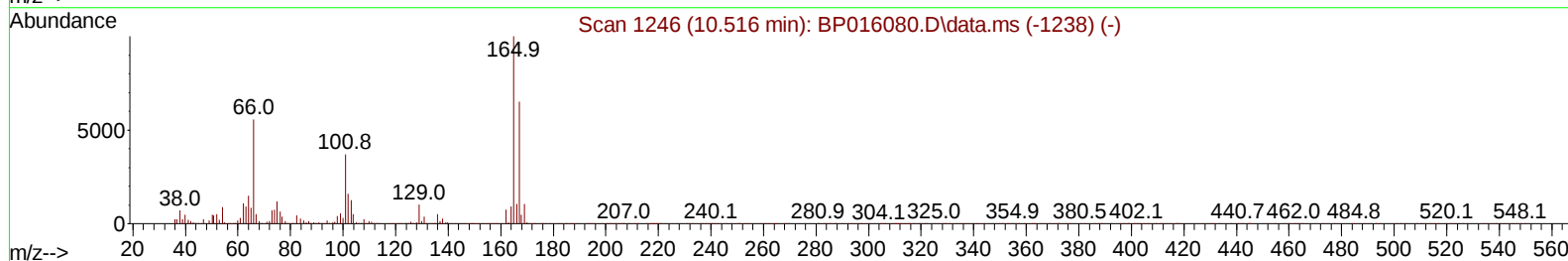
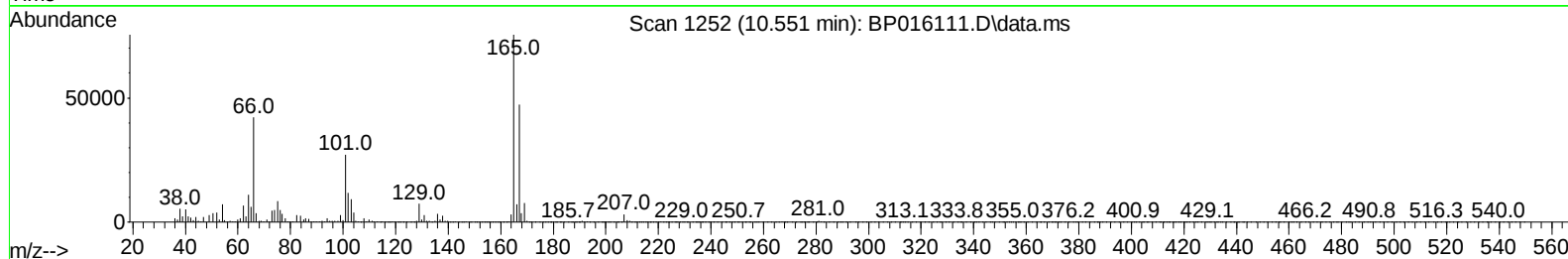
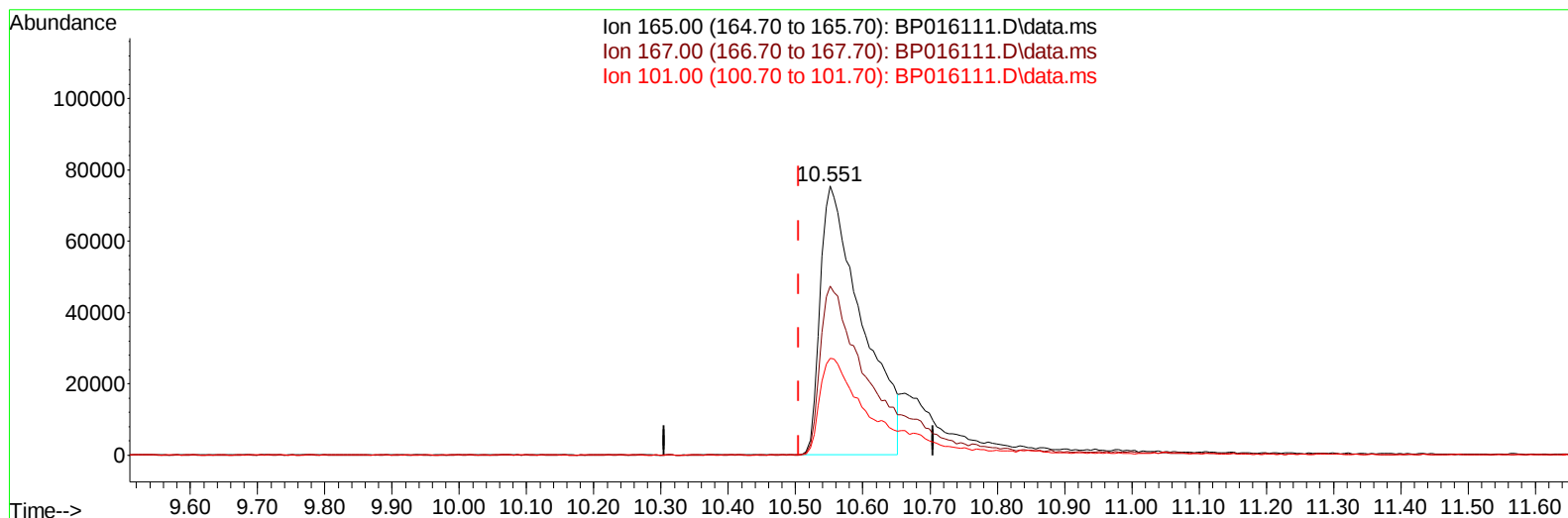
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070823\  
 Data File : BP016111.D  
 Acq On : 09 Jul 2023 02:05  
 Operator : MA/JU  
 Sample : 03350-05  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 YBW28

Manual IntegrationsAPPROVED

Quant Time: Jul 09 02:34:41 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Jul 08 10:11:43 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/10/2023  
 Supervised By :mohammad ahmed 07/10/2023



TIC: BP016111.D\data.ms

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

10.551min (+ 0.047) 18.09 ng/u1

response 321621

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 165.00 | 100.00 | 100.00 |
| 167.00 | 66.20  | 62.78  |
| 101.00 | 37.30  | 35.92  |
| 0.00   | 0.00   | 0.00   |

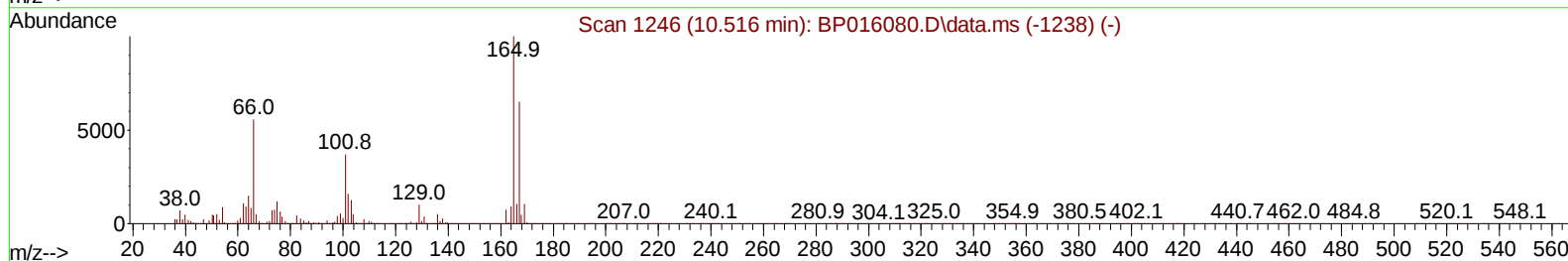
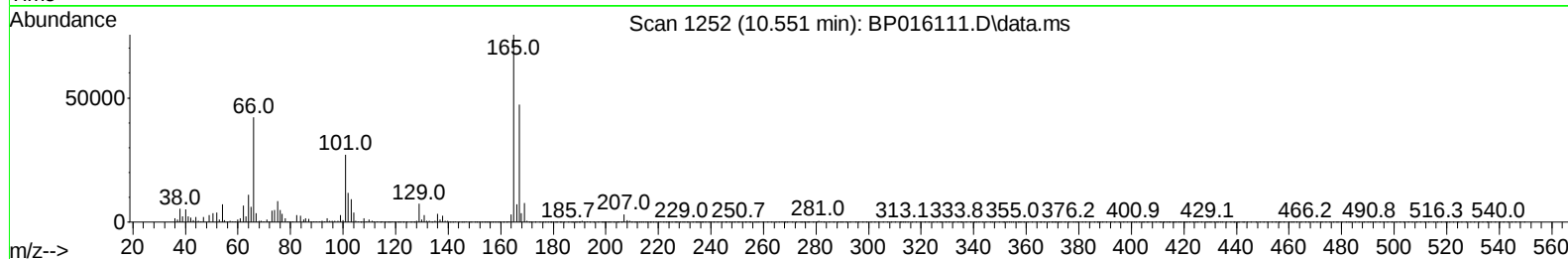
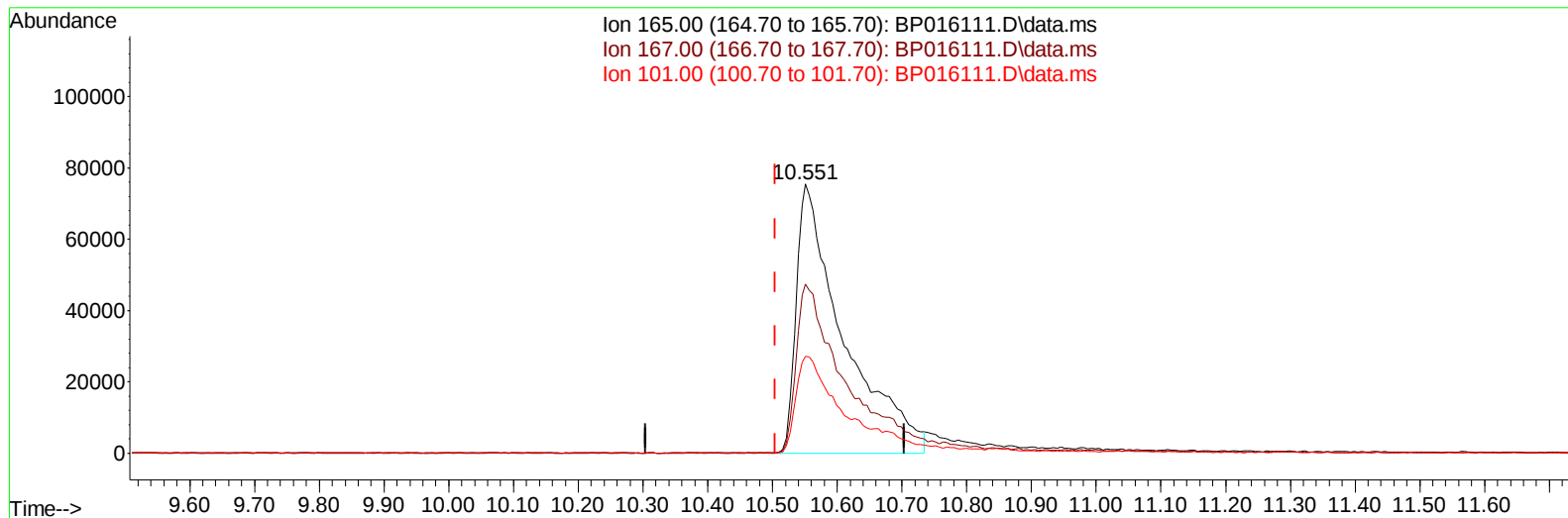
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070823\  
 Data File : BP016111.D  
 Acq On : 09 Jul 2023 02:05  
 Operator : MA/JU  
 Sample : 03350-05  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 YBW28

Manual IntegrationsAPPROVED

Quant Time: Jul 09 02:34:41 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
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 QLast Update : Sat Jul 08 10:11:43 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/10/2023  
 Supervised By :mohammad ahmed 07/10/2023



TIC: BP016111.D\data.ms

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

10.551min (+ 0.047) 21.40 ng/ul m

response 380514

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 165.00 | 100.00 | 100.00 |
| 167.00 | 66.20  | 62.78  |
| 101.00 | 37.30  | 35.92  |
| 0.00   | 0.00   | 0.00   |

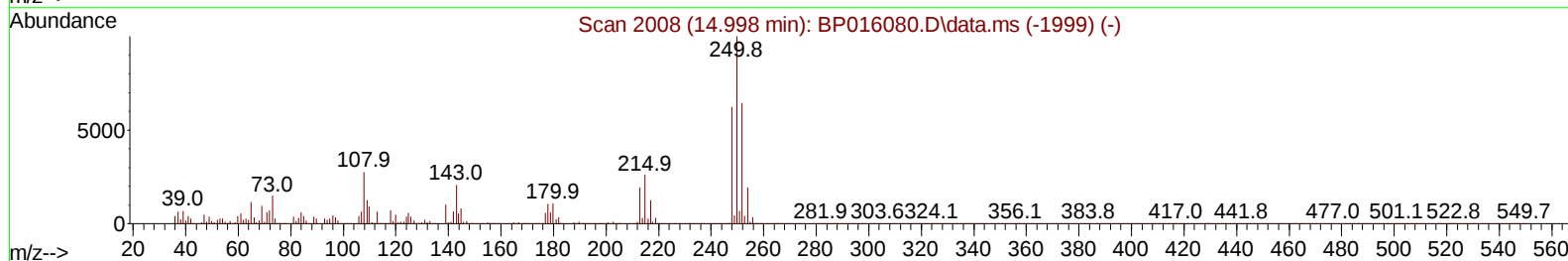
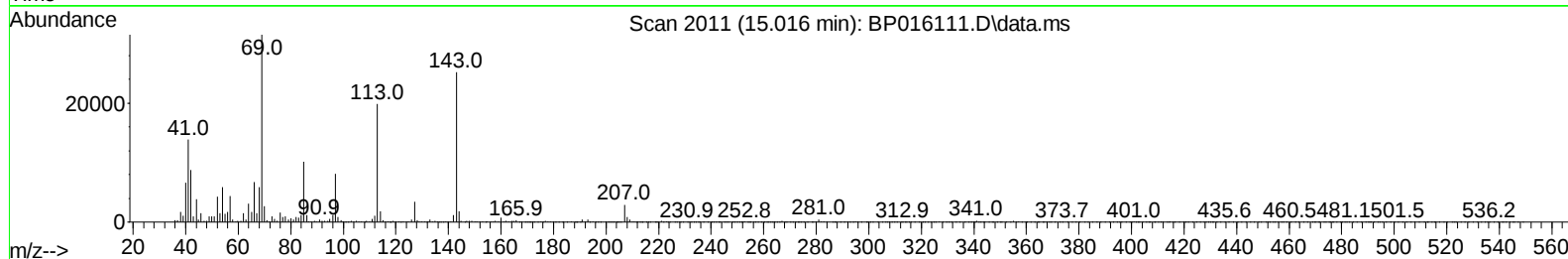
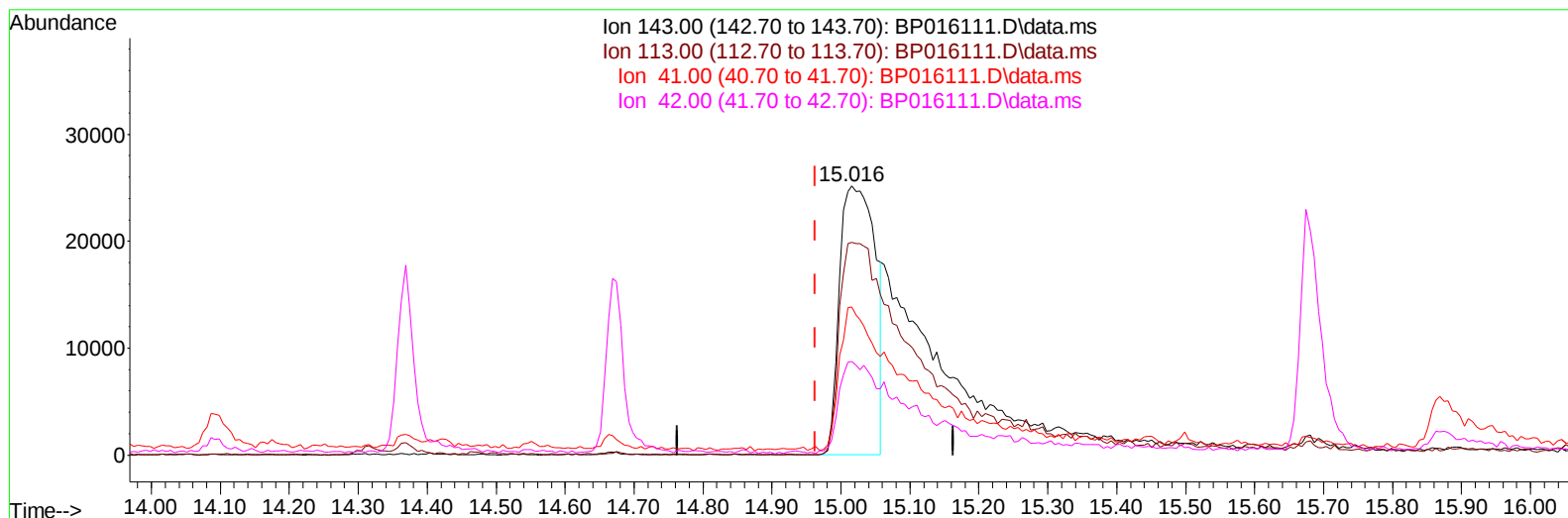
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070823\  
Data File : BP016111.D  
Acq On : 09 Jul 2023 02:05  
Operator : MA/JU  
Sample : 03350-05  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
YBW28

Manual IntegrationsAPPROVED

Quant Time: Jul 09 02:35:10 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Jul 08 10:11:43 2023  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/10/2023  
Supervised By :mohammad ahmed 07/10/2023



TIC: BP016111.D\data.ms

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

**15.016min (+ 0.053) 11.98 ng/ul**

**response 90159**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 94.00  | 79.08  |
| 41.00  | 45.70  | 55.07# |
| 42.00  | 31.20  | 34.73  |

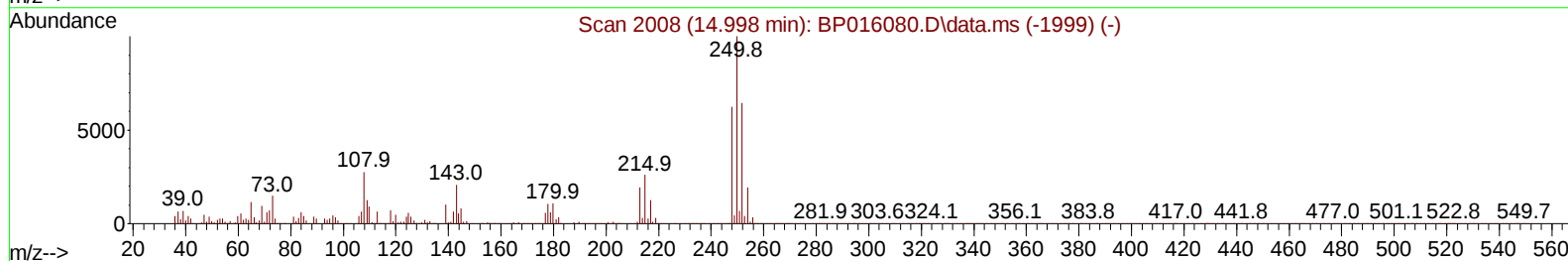
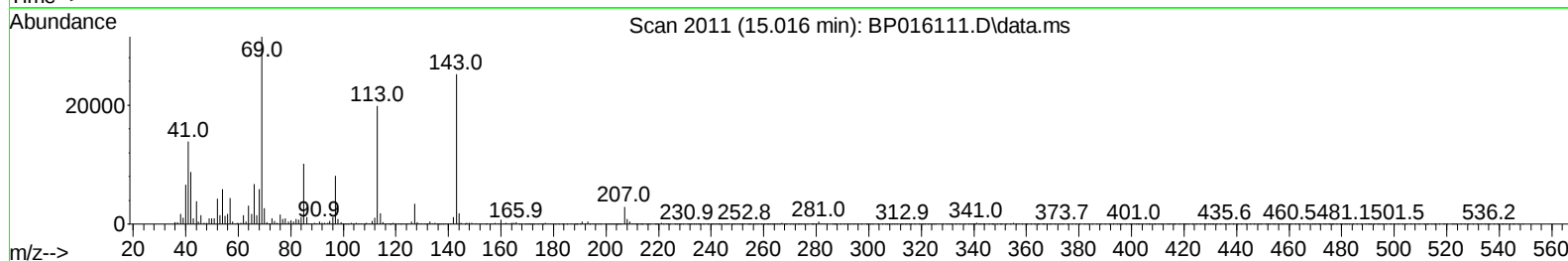
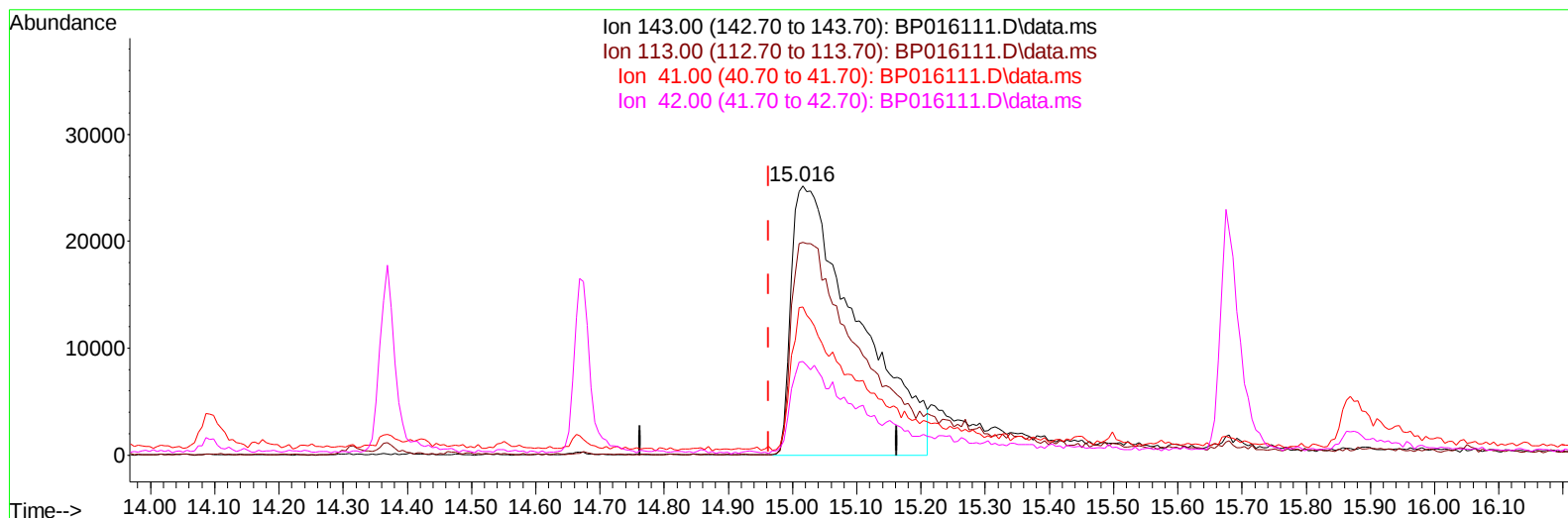
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070823\  
Data File : BP016111.D  
Acq On : 09 Jul 2023 02:05  
Operator : MA/JU  
Sample : 03350-05  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
YBW28

Manual IntegrationsAPPROVED

Quant Time: Jul 09 02:35:10 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Jul 08 10:11:43 2023  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/10/2023  
Supervised By :mohammad ahmed 07/10/2023



TIC: BP016111.D\data.ms

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

**15.016min (+ 0.053) 23.97 ng/ul m**

**response 180332**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 94.00  | 79.08  |
| 41.00  | 45.70  | 55.07# |
| 42.00  | 31.20  | 34.73  |

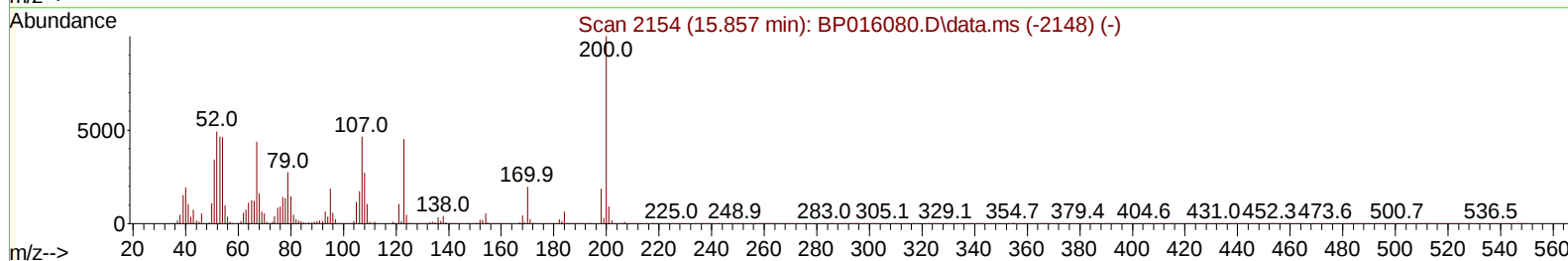
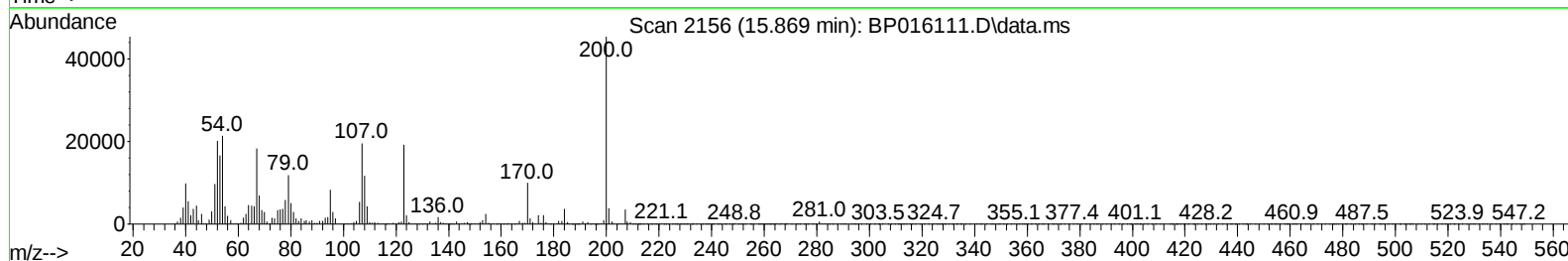
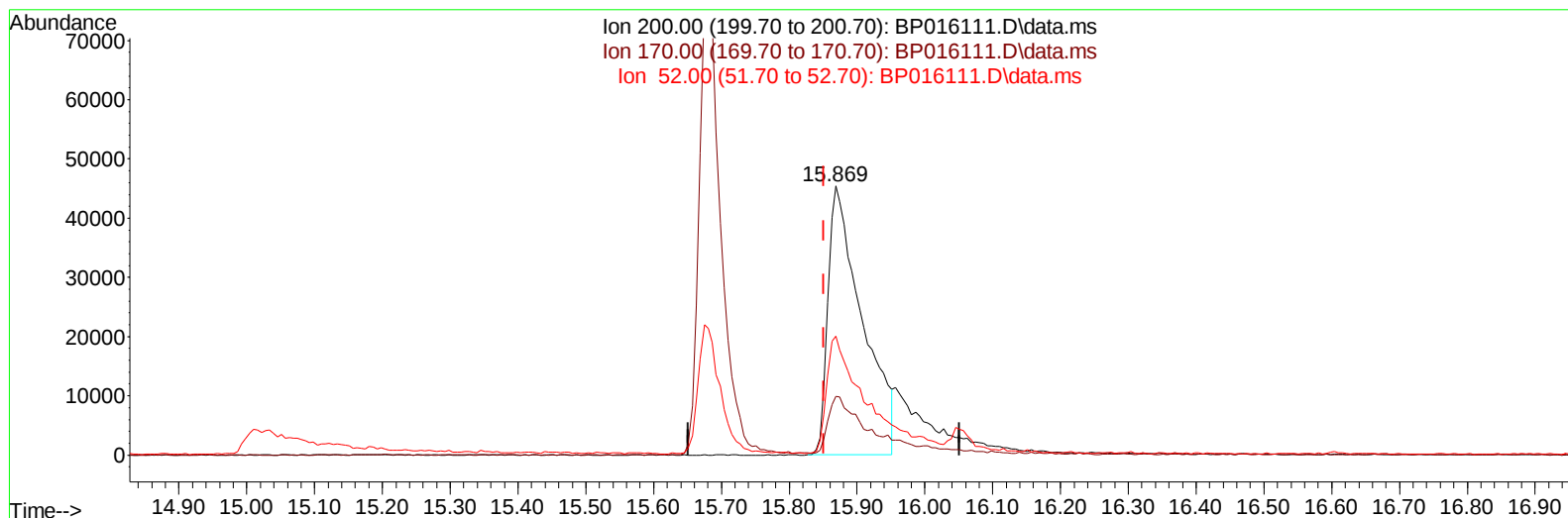
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070823\  
Data File : BP016111.D  
Acq On : 09 Jul 2023 02:05  
Operator : MA/JU  
Sample : 03350-05  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
YBW28

Manual IntegrationsAPPROVED

Quant Time: Jul 09 02:35:10 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
Quant Title : SVOA CALIBRATION  
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Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/10/2023  
Supervised By :mohammad ahmed 07/10/2023



TIC: BP016111.D\data.ms

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

15.869min (+ 0.017) 15.25 ng/u1

response 159019

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 200.00 | 100.00 | 100.00 |
| 170.00 | 24.30  | 21.95  |
| 52.00  | 52.20  | 44.29  |
| 0.00   | 0.00   | 0.00   |

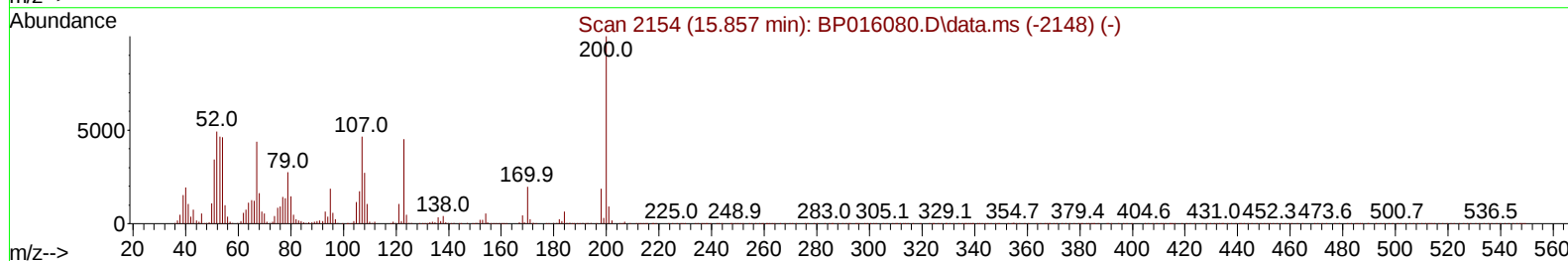
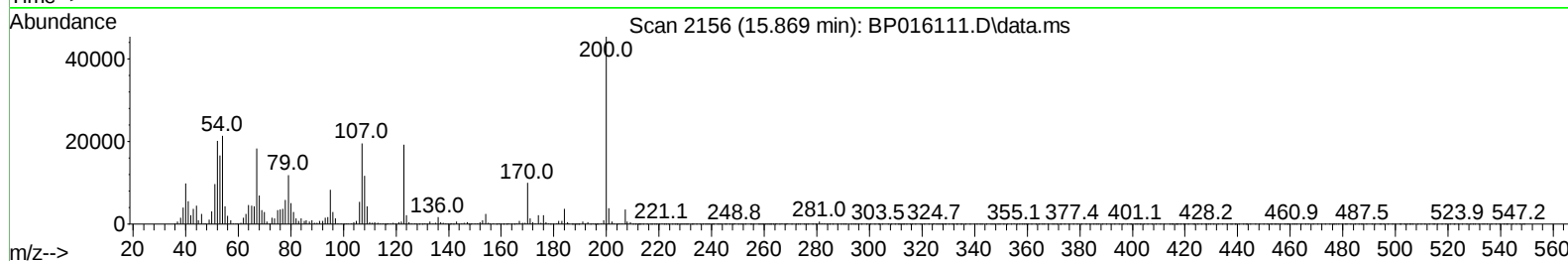
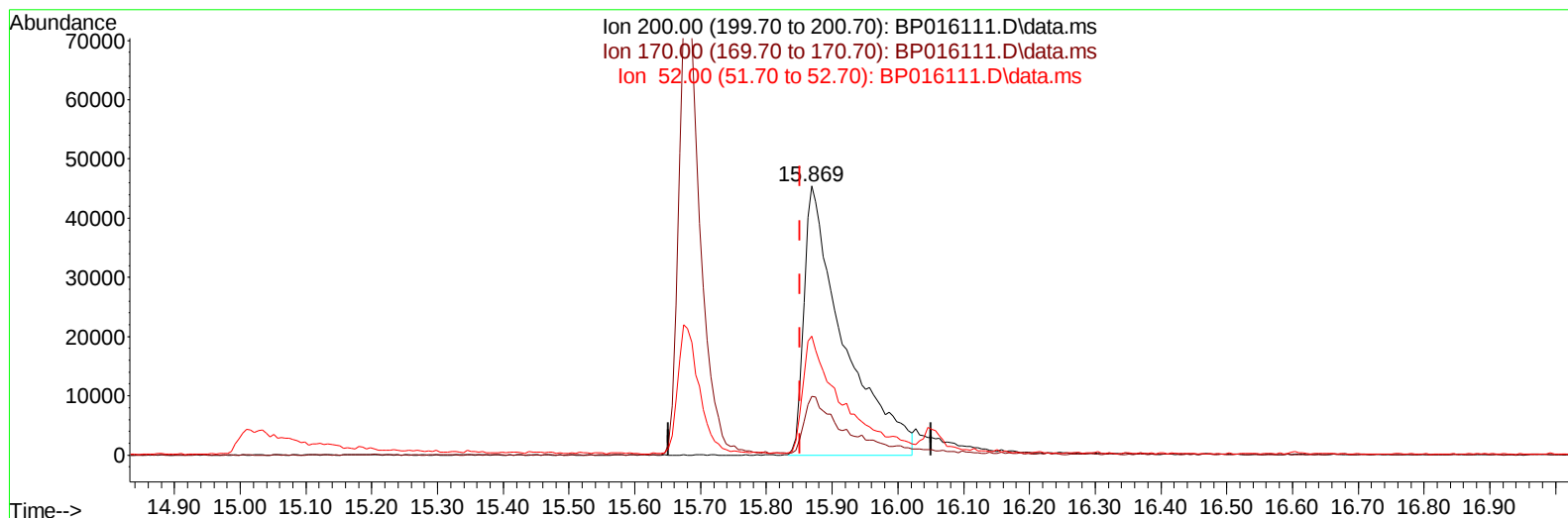
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070823\  
 Data File : BP016111.D  
 Acq On : 09 Jul 2023 02:05  
 Operator : MA/JU  
 Sample : 03350-05  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 YBW28

Manual IntegrationsAPPROVED

Quant Time: Jul 09 02:35:10 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Jul 08 10:11:43 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/10/2023  
 Supervised By :mohammad ahmed 07/10/2023



TIC: BP016111.D\data.ms

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

15.869min (+ 0.017) 18.08 ng/ul m

response 188630

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 200.00 | 100.00 | 100.00 |
| 170.00 | 24.30  | 21.95  |
| 52.00  | 52.20  | 44.29  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070823\  
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 Operator : MA/JU  
 Sample : 03350-05  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 YBW28

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/10/2023  
 Supervised By :mohammad ahmed 07/10/2023

Quant Time: Jul 09 02:41:57 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
 Quant Title : SVOA CALIBRATION  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.022  | 152  | 244215   | 20.000 | ng/ul | 0.00     |
| 20) Naphthalene-d8            | 10.851 | 136  | 1118520  | 20.000 | ng/ul | 0.00     |
| 38) Acenaphthene-d10          | 14.675 | 164  | 737679   | 20.000 | ng/ul | 0.00     |
| 64) Phenanthrene-d10          | 17.433 | 188  | 1696072  | 20.000 | ng/ul | #-0.01   |
| 79) Chrysene-d12              | 21.545 | 240  | 1651550  | 20.000 | ng/ul | # 0.00   |
| 88) Perylene-d12              | 24.074 | 264  | 1739342  | 20.000 | ng/ul | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 3) 1,4-Dioxane-d8             | 3.352  | 96   | 22086    | 3.254  | ng/uL | 0.00     |
| 4) Pyridine-d5                | 3.805  | 84   | 243723   | 14.244 | ng/ul | 0.00     |
| 7) Phenol-d5                  | 7.228  | 99   | 446210   | 21.354 | ng/ul | 0.01     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.357  | 67   | 289214m  | 22.372 | ng/ul | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.563  | 132  | 327525   | 20.765 | ng/ul | 0.00     |
| 15) 4-Methylphenol-d8         | 8.775  | 113  | 441274   | 26.732 | ng/ul | 0.00     |
| 21) Nitrobenzene-d5           | 9.228  | 128  | 192237   | 22.489 | ng/ul | 0.01     |
| 24) 2-Nitrophenol-d4          | 9.969  | 143  | 222977   | 22.350 | ng/ul | 0.02     |
| 28) 2,4-Dichlorophenol-d3     | 10.551 | 165  | 380514m  | 21.403 | ng/ul | 0.05     |
| 31) 4-Chloroaniline-d4        | 11.051 | 131  | 538437   | 23.576 | ng/ul | 0.03     |
| 46) Dimethylphthalate-d6      | 14.092 | 166  | 1733726  | 30.407 | ng/ul | 0.00     |
| 49) Acenaphthylene-d8         | 14.369 | 160  | 1871156  | 29.194 | ng/ul | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.016 | 143  | 180332m  | 23.967 | ng/ul | 0.05     |
| 60) Fluorene-d10              | 15.680 | 176  | 1445920  | 30.799 | ng/ul | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.869 | 200  | 188630m  | 18.084 | ng/ul | 0.02     |
| 73) Anthracene-d10            | 17.545 | 188  | 2327045  | 30.037 | ng/ul | 0.00     |
| 81) Pyrene-d10                | 19.768 | 212  | 2873466  | 26.645 | ng/ul | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.898 | 264  | 2618803  | 29.847 | ng/ul | -0.01    |

Target Compounds Qvalue

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

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Instrument :  
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Manual IntegrationsAPPROVED

Quant Time: Jul 09 02:41:57 2023  
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