

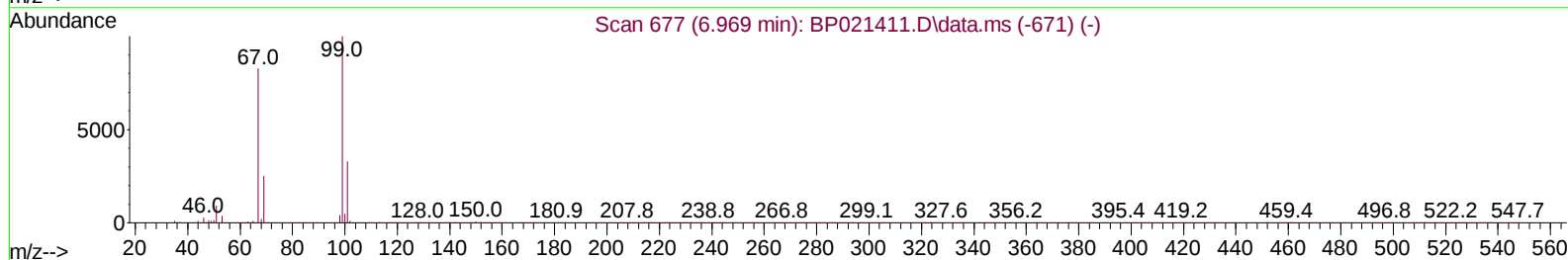
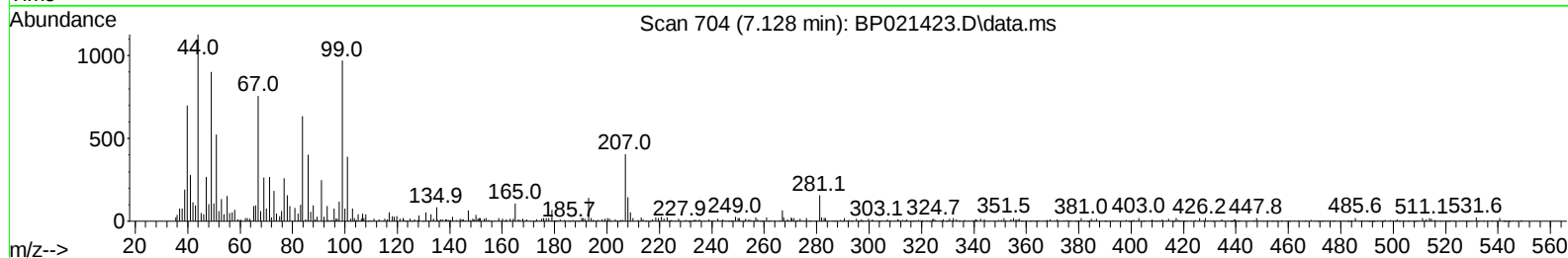
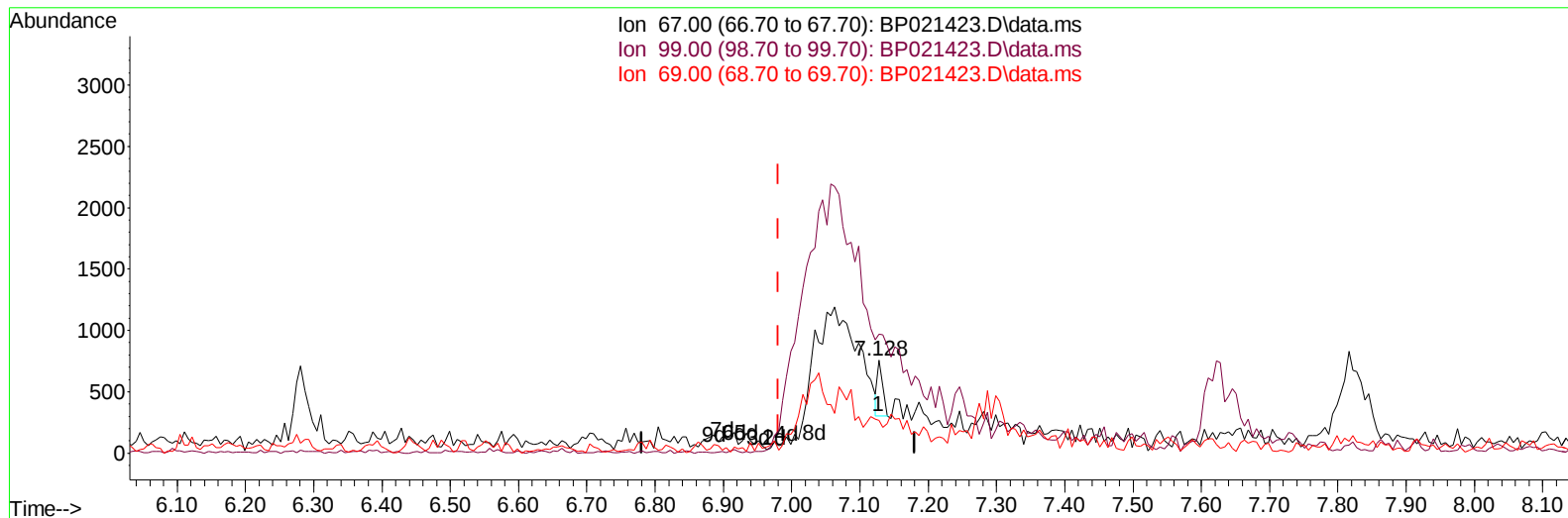
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP080624\  
 Data File : BP021423.D  
 Acq On : 07 Aug 2024 17:10  
 Operator : CG/JU  
 Sample : P3329-07DL2 30X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 F7E09DL2

Manual IntegrationsAPPROVED

Quant Time: Aug 07 17:58:41 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jul 29 12:46:18 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/08/2024  
 Supervised By :mohammad ahmed 08/09/2024



TIC: BP021423.D\data.ms

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

7.128min (+ 0.147) 0.04 ng/u1

response 246

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 67.00 | 100.00 | 100.00 |
| 99.00 | 122.50 | 127.97 |
| 69.00 | 30.60  | 34.96  |
| 0.00  | 0.00   | 0.00   |

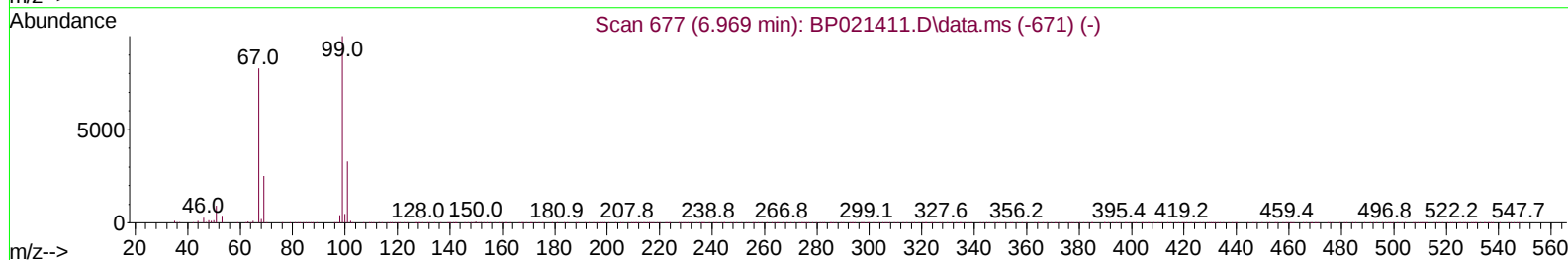
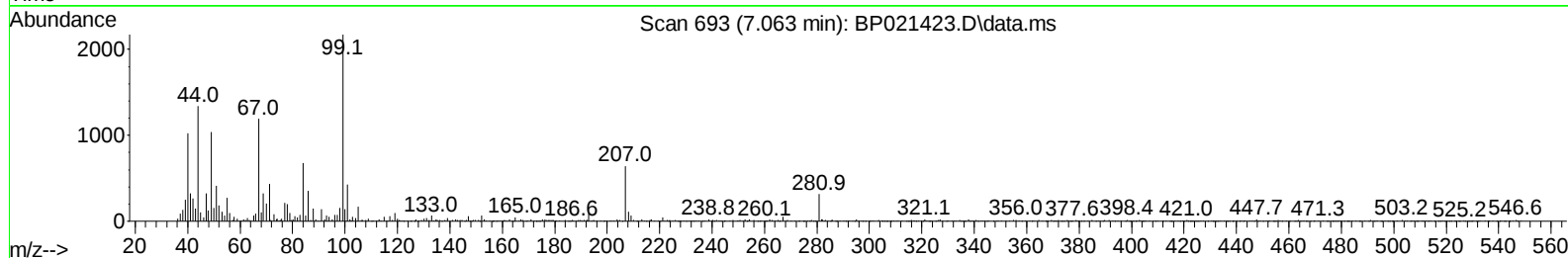
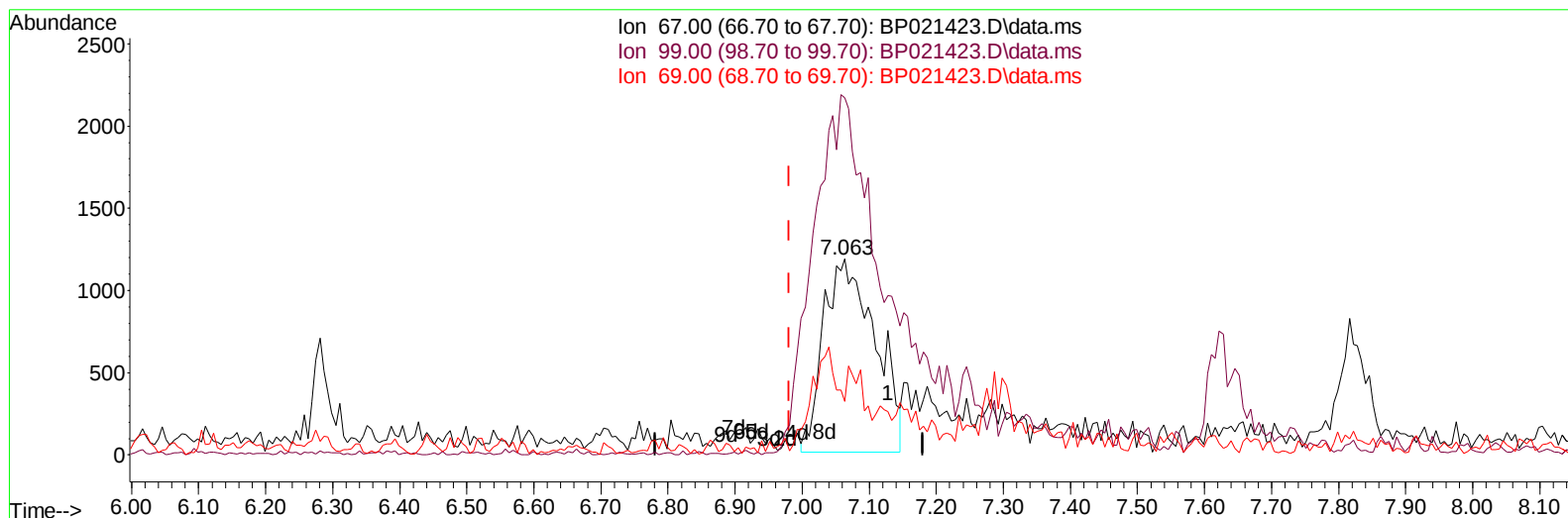
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP080624\  
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Instrument :  
BNA\_P  
ClientSampleId :  
F7E09DL2

Manual IntegrationsAPPROVED

Quant Time: Aug 07 17:58:41 2024  
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TIC: BP021423.D\data.ms

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

7.063min (+ 0.083) 1.00 ng/ul m

response 6268

| Ion   | Exp%   | Act%    |
|-------|--------|---------|
| 67.00 | 100.00 | 100.00  |
| 99.00 | 122.50 | 182.37# |
| 69.00 | 30.60  | 27.20   |
| 0.00  | 0.00   | 0.00    |

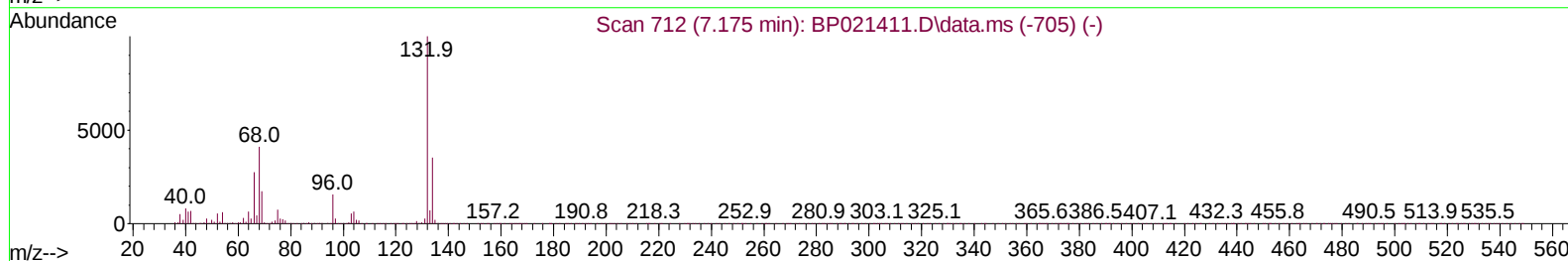
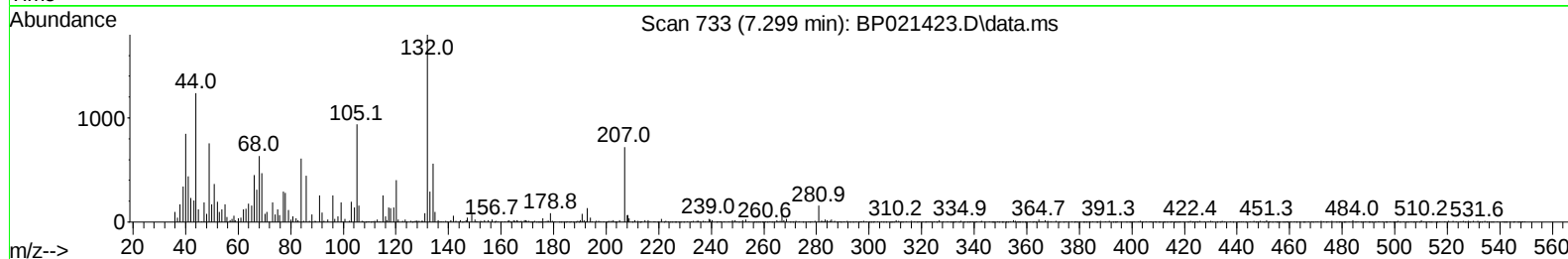
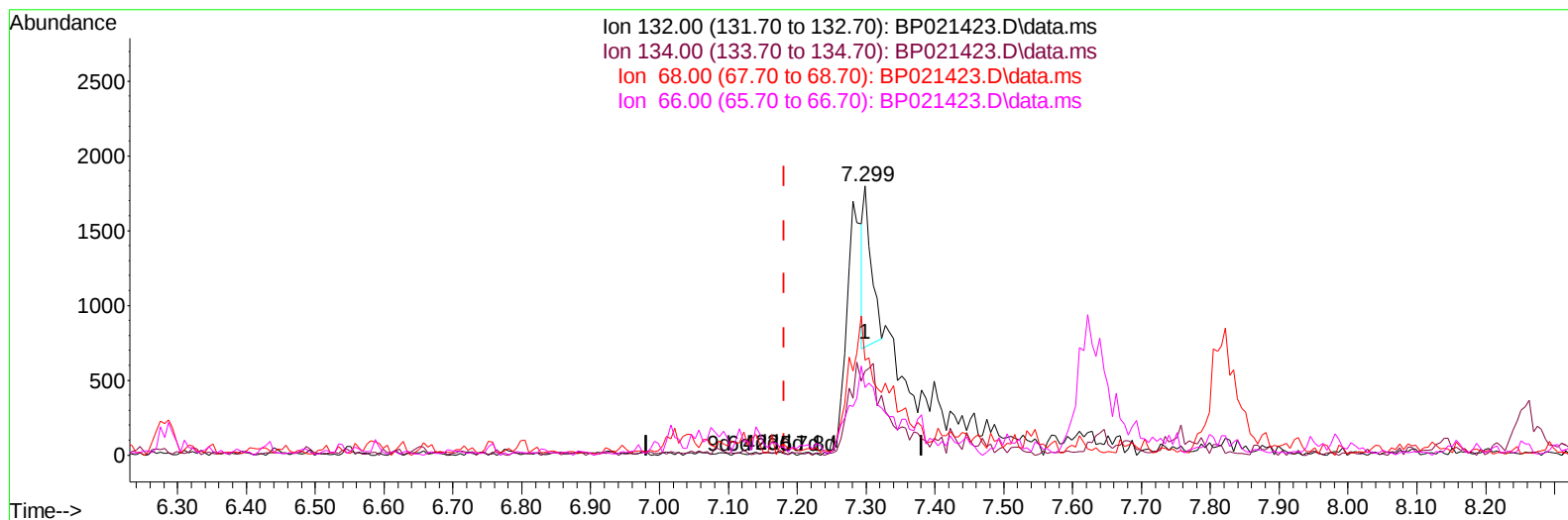
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP080624\  
Data File : BP021423.D  
Acq On : 07 Aug 2024 17:10  
Operator : CG/JU  
Sample : P3329-07DL2 30X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
F7E09DL2

Manual IntegrationsAPPROVED

Quant Time: Aug 07 17:58:41 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jul 29 12:46:18 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/08/2024  
Supervised By :mohammad ahmed 08/09/2024



TIC: BP021423.D\data.ms

(11) 2-Chlorophenol-d4 (S)

7.299min (+ 0.118) 0.10 ng/u1

response 857

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 132.00 | 100.00 | 100.00 |
| 134.00 | 32.30  | 31.26  |
| 68.00  | 39.60  | 35.26  |
| 66.00  | 27.60  | 25.14  |

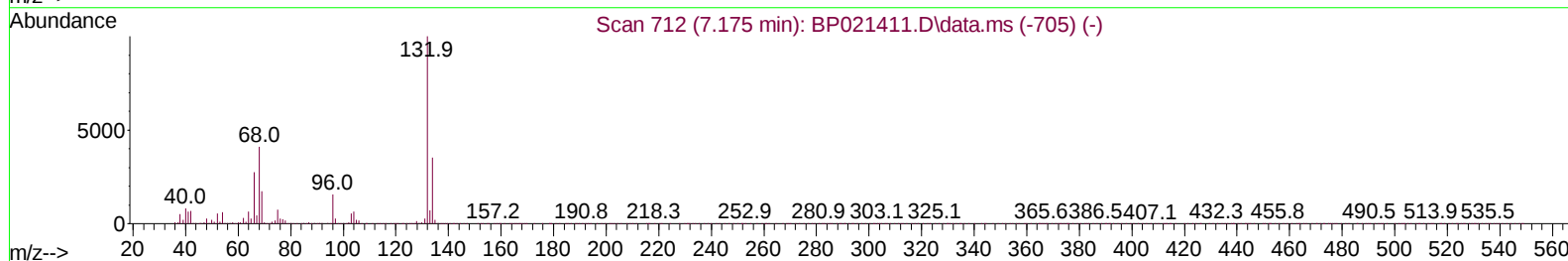
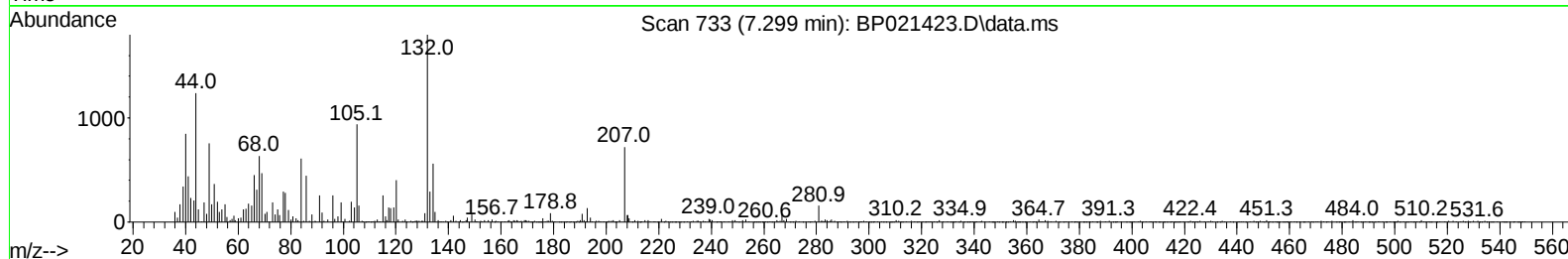
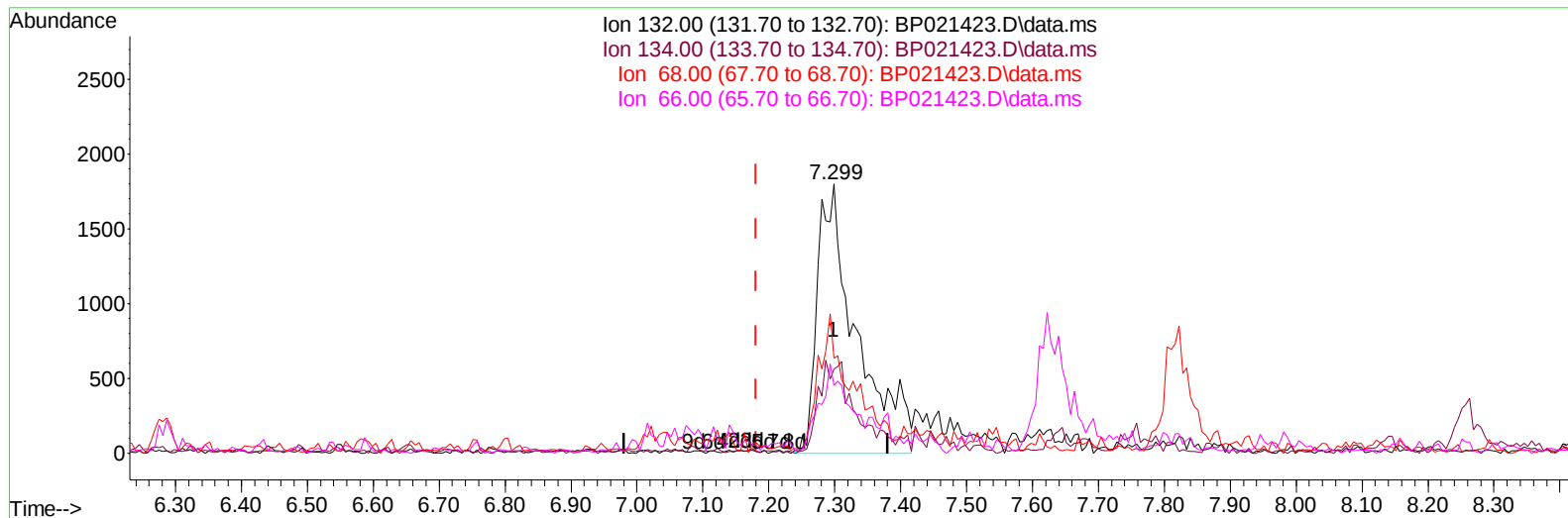
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP080624\  
Data File : BP021423.D  
Acq On : 07 Aug 2024 17:10  
Operator : CG/JU  
Sample : P3329-07DL2 30X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
F7E09DL2

Manual IntegrationsAPPROVED

Quant Time: Aug 07 17:58:41 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jul 29 12:46:18 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/08/2024  
Supervised By :mohammad ahmed 08/09/2024



TIC: BP021423.D\data.ms

(11) 2-Chlorophenol-d4 (S)

7.299min (+ 0.118) 0.87 ng/ul m

response 7407

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 132.00 | 100.00 | 100.00 |
| 134.00 | 32.30  | 31.26  |
| 68.00  | 39.60  | 35.26  |
| 66.00  | 27.60  | 25.14  |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP080624\  
Data File : BP021423.D  
Acq On : 07 Aug 2024 17:10  
Operator : CG/JU  
Sample : P3329-07DL2 30X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

## Instrument :

BNA\_P

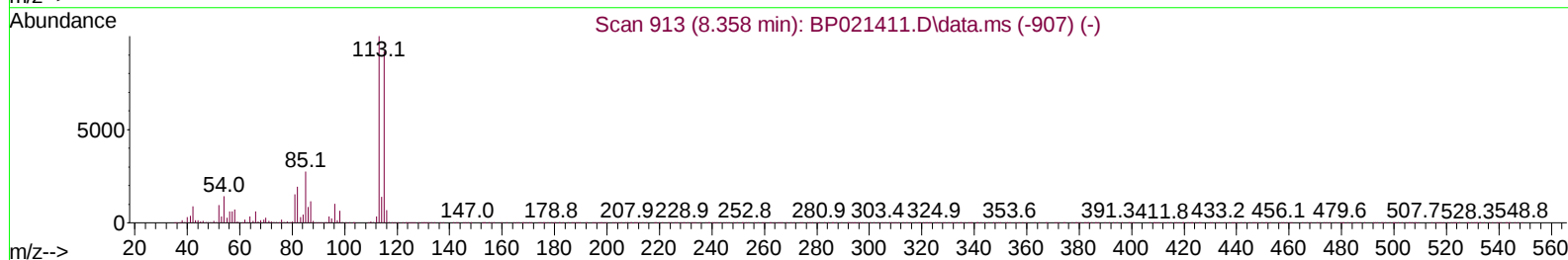
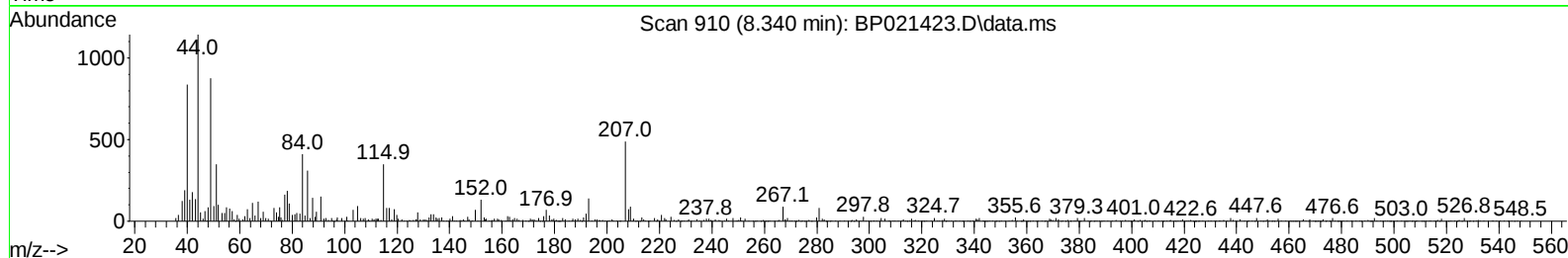
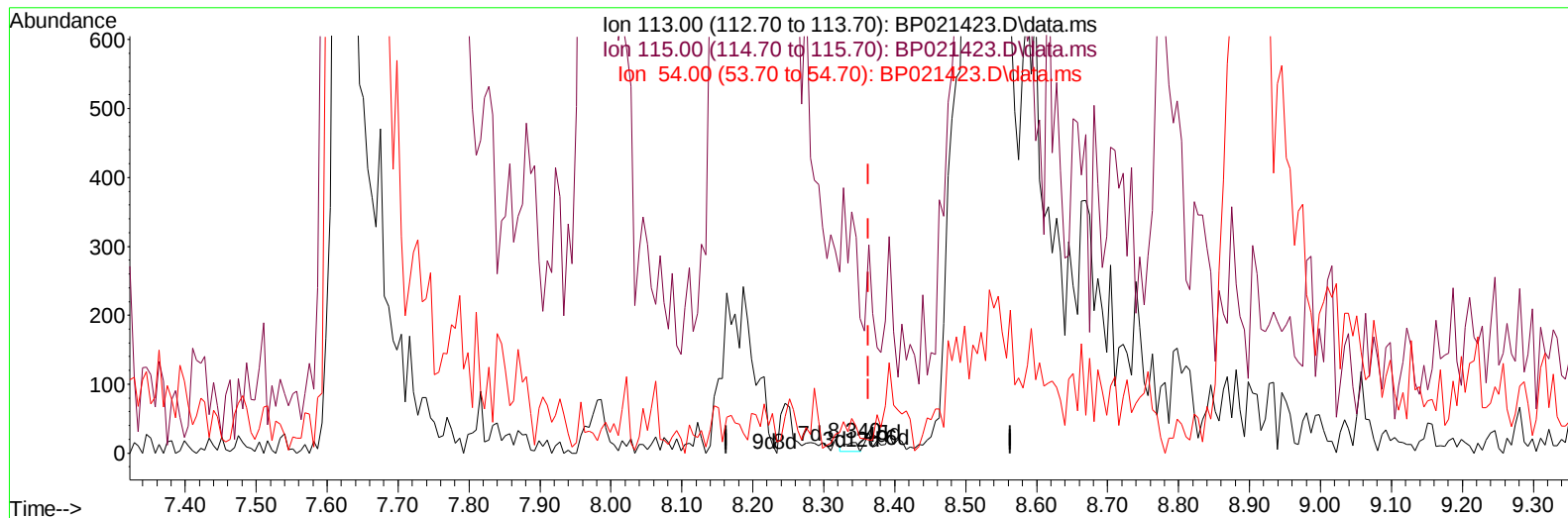
## ClientSampleId :

F7E09DL2

## Manual IntegrationsAPPROVED

Quant Time: Aug 07 17:58:41 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jul 29 12:46:18 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/08/2024  
Supervised By :mohammad ahmed 08/09/2024



TIC: BP021423.D\data.ms

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

8.340min (-0.023) 0.00 ng/u1

response 17

| Ion    | Exp%   | Act%     |
|--------|--------|----------|
| 113.00 | 100.00 | 100.00   |
| 115.00 | 93.20  | 2333.33# |
| 54.00  | 13.70  | 333.33#  |
| 0.00   | 0.00   | 0.00     |

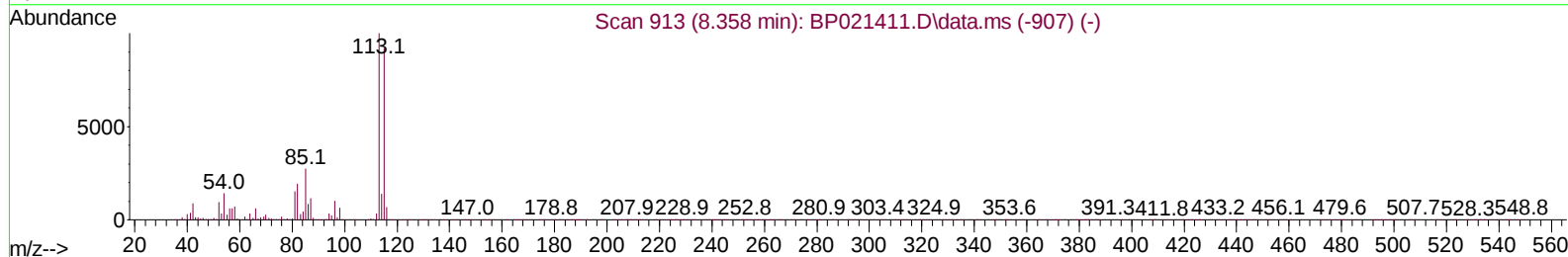
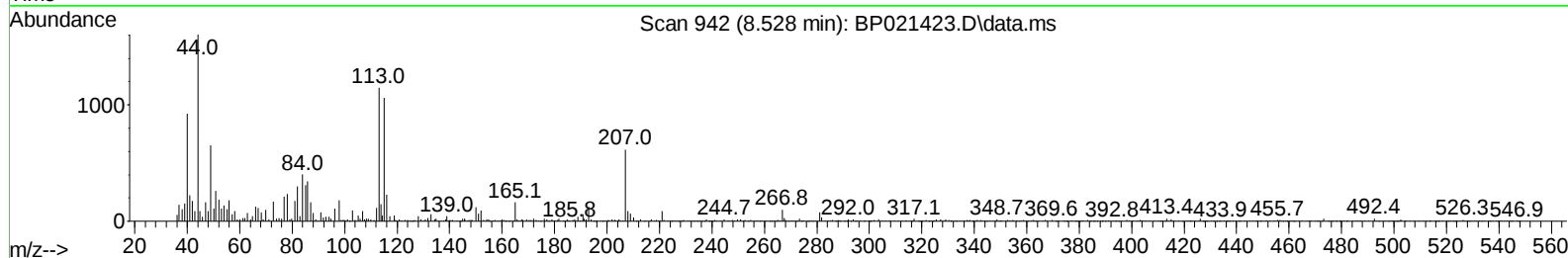
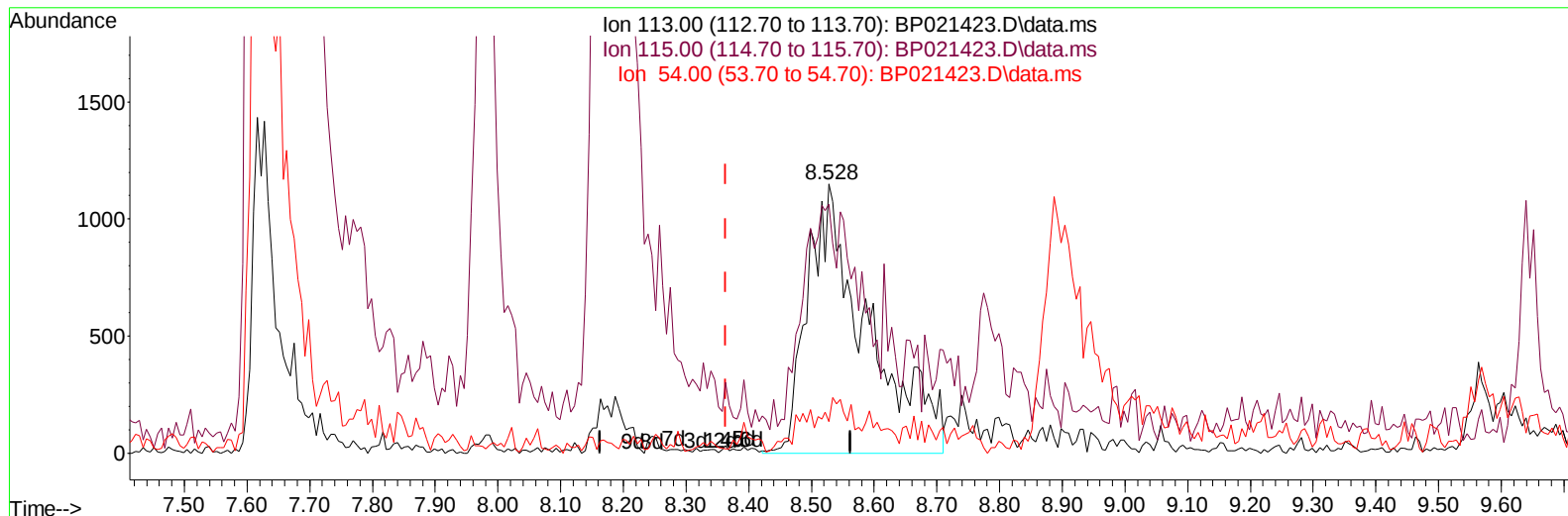
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP080624\  
Data File : BP021423.D  
Acq On : 07 Aug 2024 17:10  
Operator : CG/JU  
Sample : P3329-07DL2 30X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
F7E09DL2

Manual IntegrationsAPPROVED

Quant Time: Aug 07 17:58:41 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jul 29 12:46:18 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/08/2024  
Supervised By :mohammad ahmed 08/09/2024



TIC: BP021423.D\data.ms

(15) 4-Methylphenol-d8 (S)

8.528min (+ 0.165) 0.88 ng/u1 m

response 7567

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 115.00 | 93.20  | 92.43  |
| 54.00  | 13.70  | 11.66  |
| 0.00   | 0.00   | 0.00   |

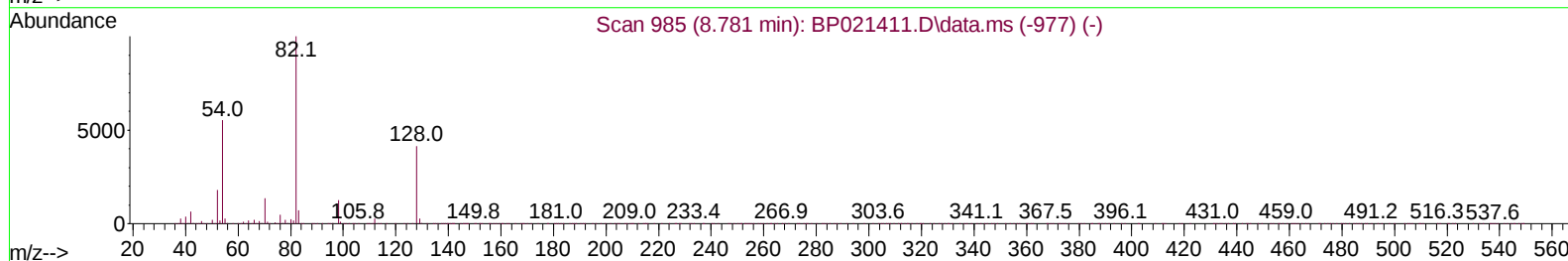
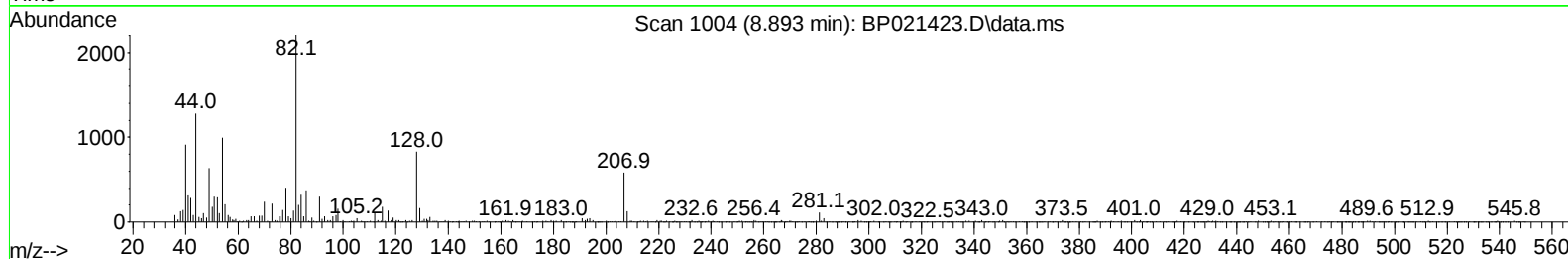
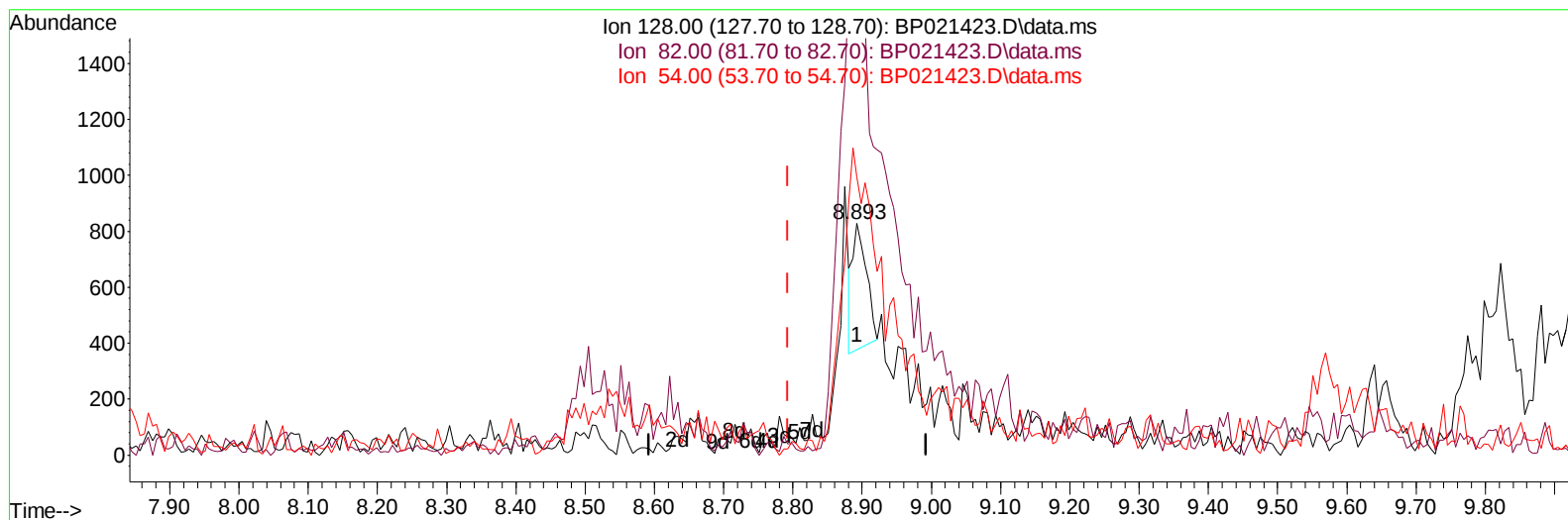
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP080624\  
 Data File : BP021423.D  
 Acq On : 07 Aug 2024 17:10  
 Operator : CG/JU  
 Sample : P3329-07DL2 30X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 F7E09DL2

Manual IntegrationsAPPROVED

Quant Time: Aug 07 17:58:41 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jul 29 12:46:18 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/08/2024  
 Supervised By :mohammad ahmed 08/09/2024



TIC: BP021423.D\data.ms

(21) Nitrobenzene-d5 (S)

8.893min (+ 0.100) 0.14 ng/u1

response 619

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 128.00 | 100.00 | 100.00 |
| 82.00  | 236.60 | 266.67 |
| 54.00  | 125.70 | 120.17 |
| 0.00   | 0.00   | 0.00   |

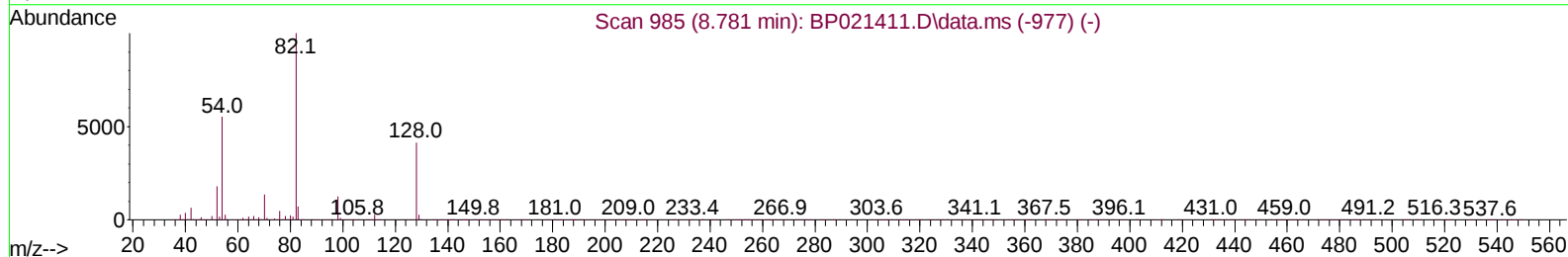
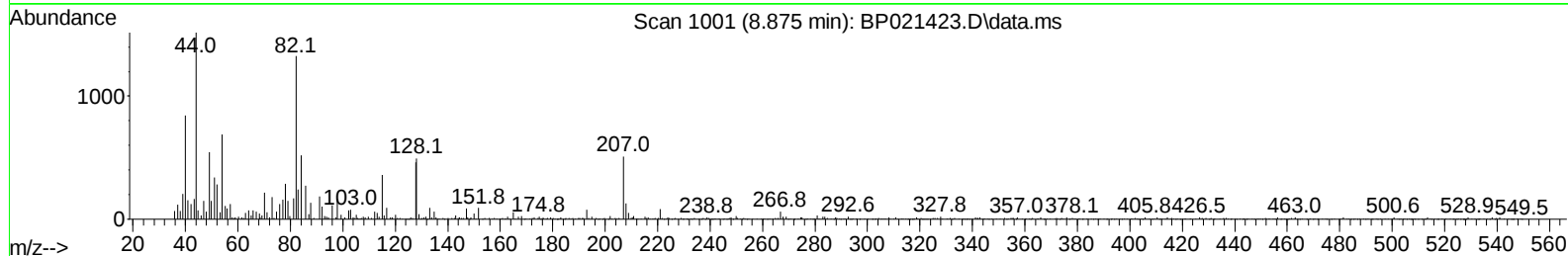
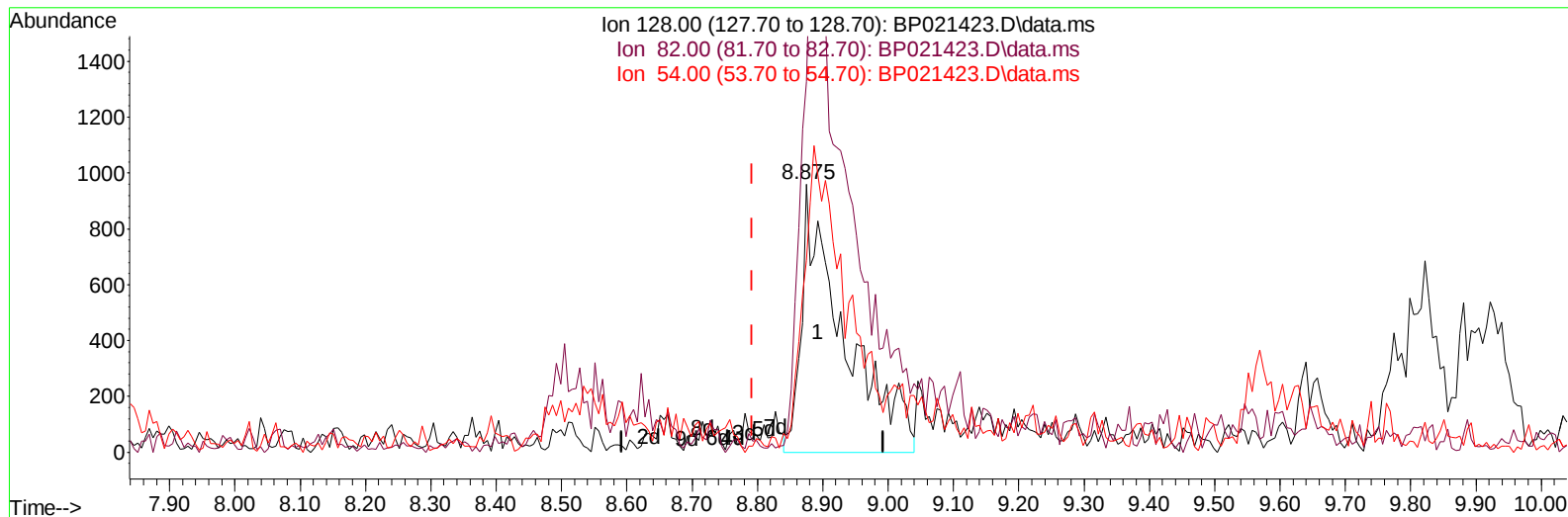
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Data File : BP021423.D  
Acq On : 07 Aug 2024 17:10  
Operator : CG/JU  
Sample : P3329-07DL2 30X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
F7E09DL2

Manual IntegrationsAPPROVED

Quant Time: Aug 07 17:58:41 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jul 29 12:46:18 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/08/2024  
Supervised By :mohammad ahmed 08/09/2024



TIC: BP021423.D\data.ms

(21) Nitrobenzene-d5 (S)

8.875min (+ 0.082) 0.98 ng/u1 m

response 4300

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 128.00 | 100.00 | 100.00 |
| 82.00  | 236.60 | 267.34 |
| 54.00  | 125.70 | 138.51 |
| 0.00   | 0.00   | 0.00   |

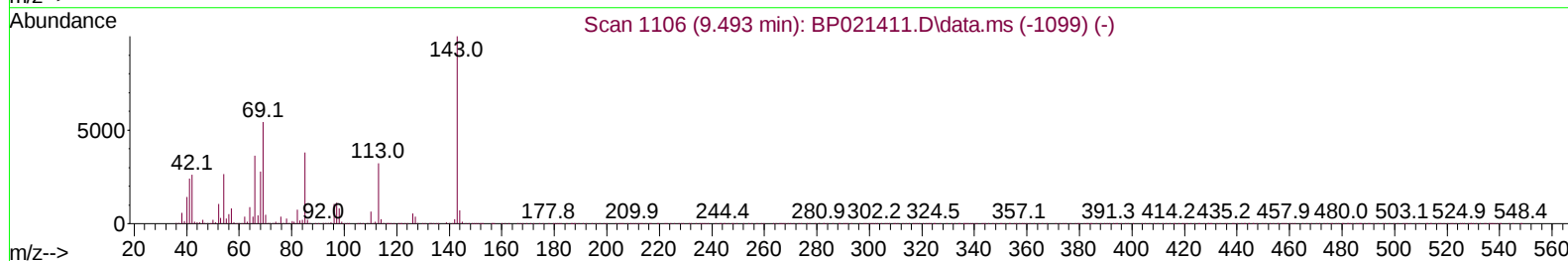
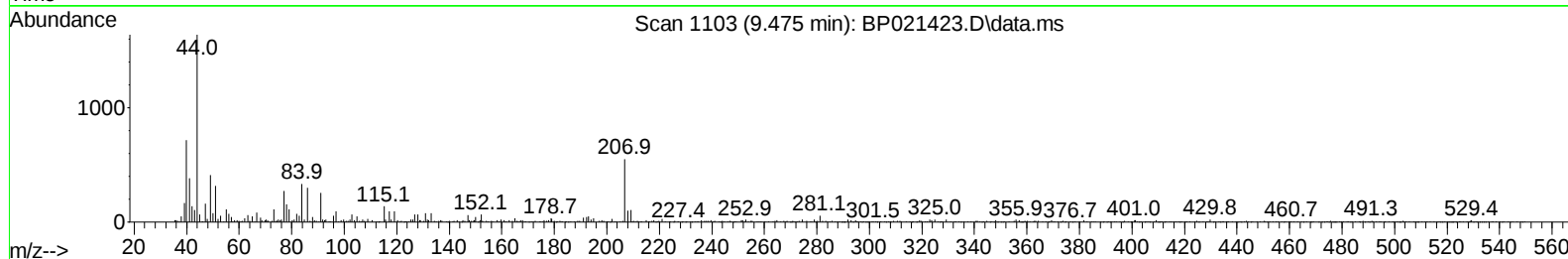
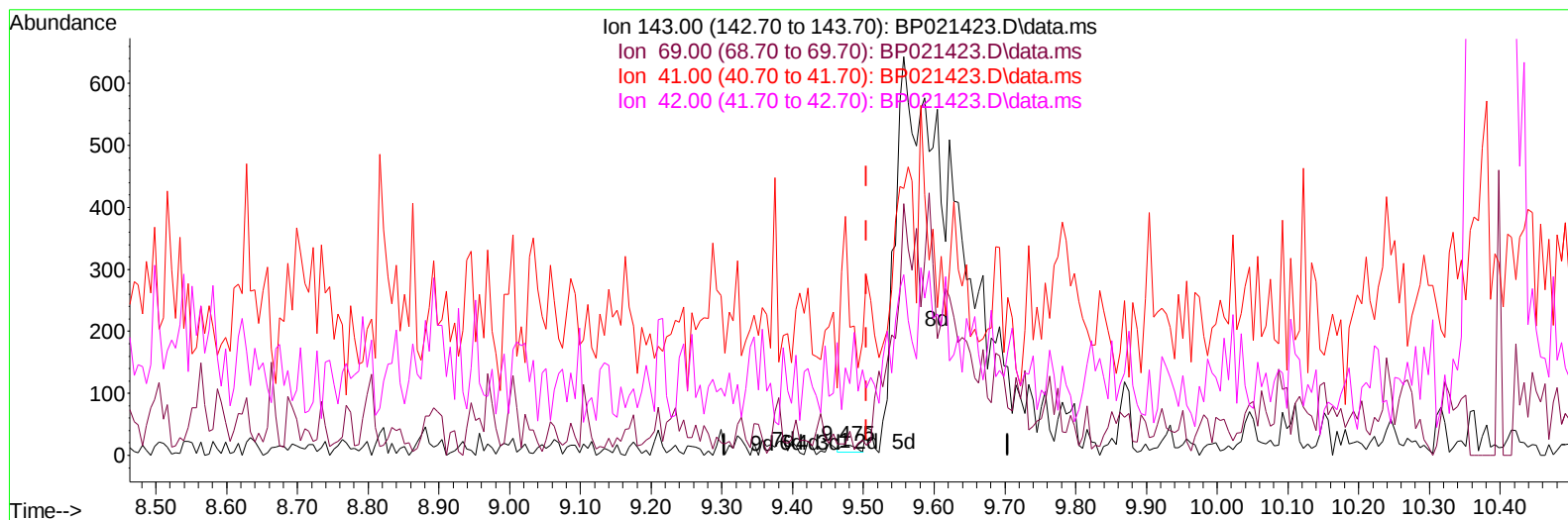
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP080624\  
Data File : BP021423.D  
Acq On : 07 Aug 2024 17:10  
Operator : CG/JU  
Sample : P3329-07DL2 30X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
F7E09DL2

Manual IntegrationsAPPROVED

Quant Time: Aug 07 17:58:41 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jul 29 12:46:18 2024  
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TIC: BP021423.D\data.ms

(24) 2-Nitrophenol-d4 (S)

9.475min (-0.029) 0.00 ng/u1

response 16

| Ion    | Exp%   | Act%     |
|--------|--------|----------|
| 143.00 | 100.00 | 100.00   |
| 69.00  | 50.20  | 218.75#  |
| 41.00  | 22.70  | 2412.50# |
| 42.00  | 22.10  | 881.25#  |



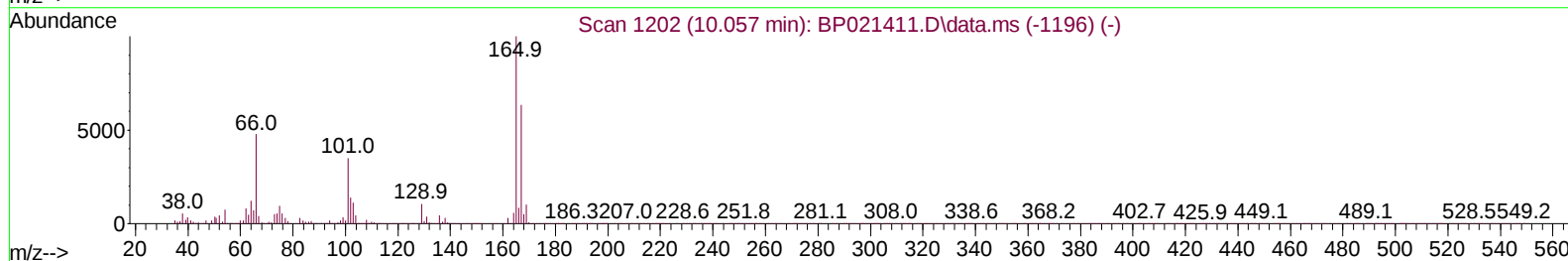
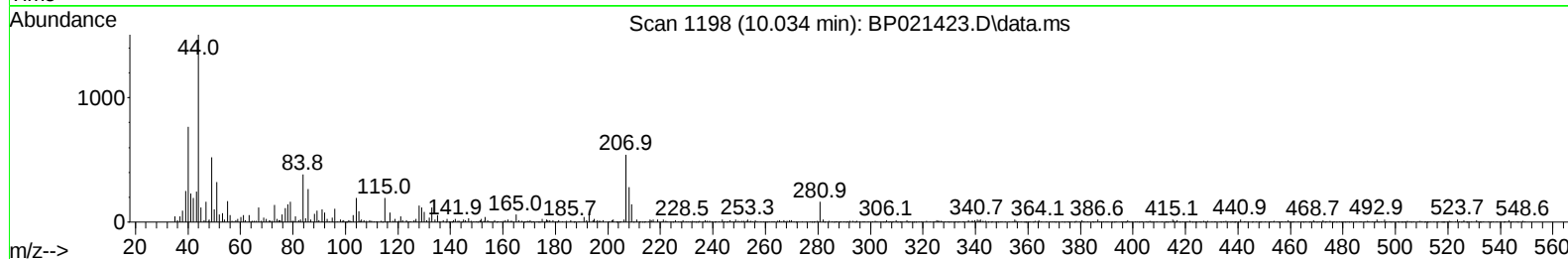
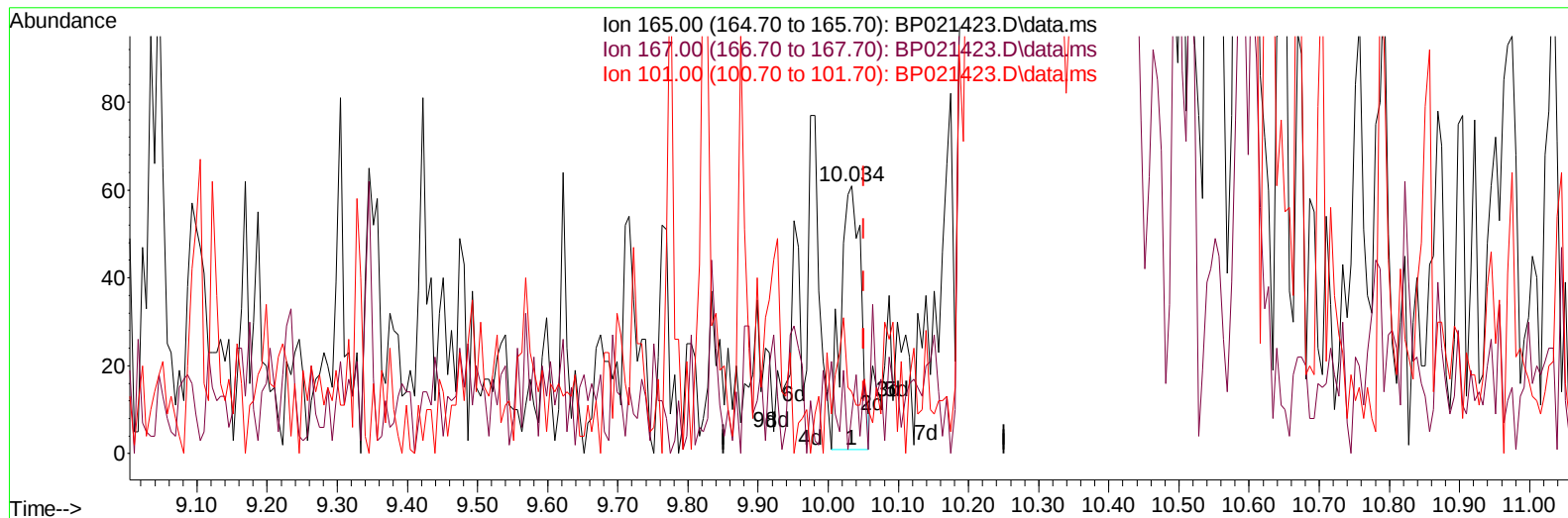
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP080624\  
Data File : BP021423.D  
Acq On : 07 Aug 2024 17:10  
Operator : CG/JU  
Sample : P3329-07DL2 30X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
F7E09DL2

Manual IntegrationsAPPROVED

Quant Time: Aug 07 17:58:41 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jul 29 12:46:18 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/08/2024  
Supervised By :mohammad ahmed 08/09/2024



TIC: BP021423.D\data.ms

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

10.034min (-0.017) 0.01 ng/u1

response 117

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 165.00 | 100.00 | 100.00 |
| 167.00 | 62.80  | 14.75# |
| 101.00 | 35.50  | 22.95# |
| 0.00   | 0.00   | 0.00   |

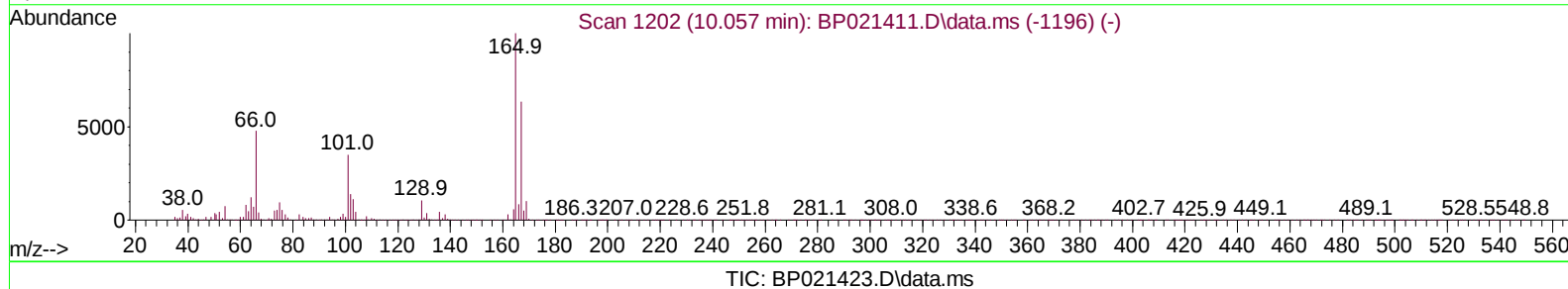
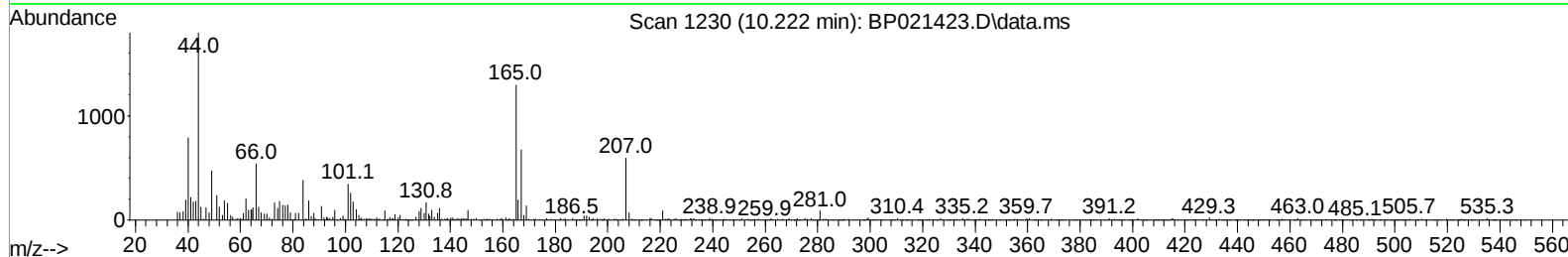
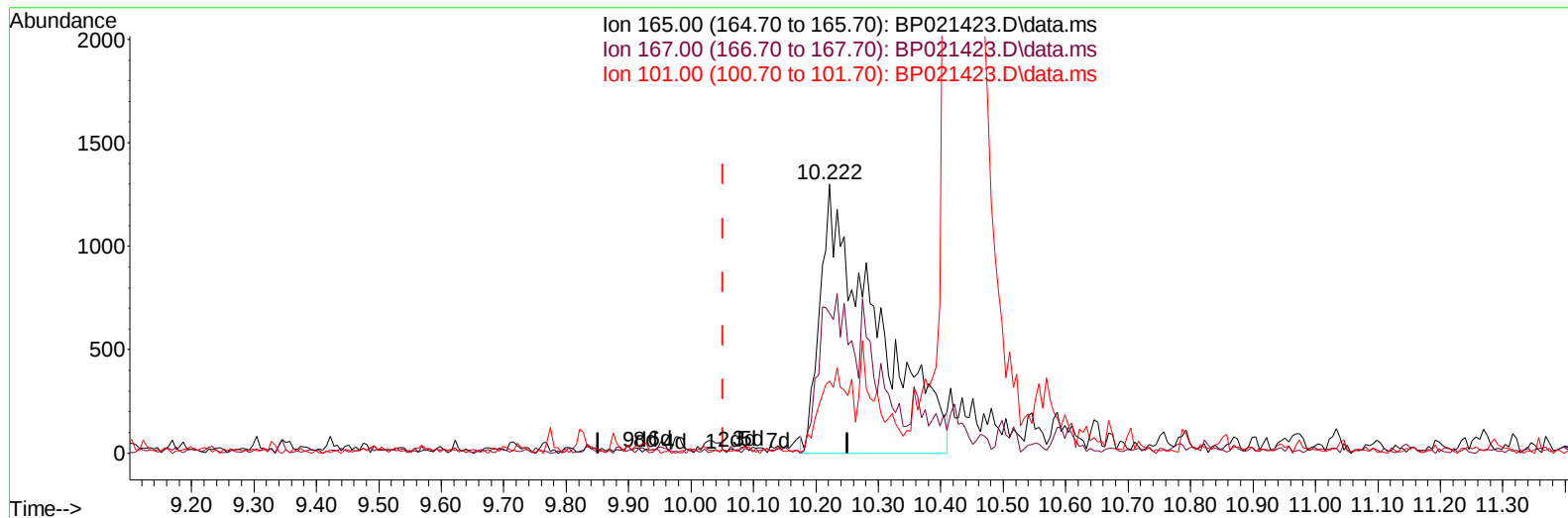
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP080624\  
Data File : BP021423.D  
Acq On : 07 Aug 2024 17:10  
Operator : CG/JU  
Sample : P3329-07DL2 30X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
F7E09DL2

Manual IntegrationsAPPROVED

Quant Time: Aug 07 17:58:41 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jul 29 12:46:18 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/08/2024  
Supervised By :mohammad ahmed 08/09/2024



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

10.222min (+ 0.171) 0.88 ng/ul m

response 7979

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 165.00 | 100.00 | 100.00 |
| 167.00 | 62.80  | 52.08  |
| 101.00 | 35.50  | 26.85# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP080624\  
 Data File : BP021423.D  
 Acq On : 07 Aug 2024 17:10  
 Operator : CG/JU  
 Sample : P3329-07DL2 30X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 F7E09DL2

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/08/2024  
 Supervised By :mohammad ahmed 08/09/2024

Quant Time: Aug 08 03:30:53 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jul 29 12:46:18 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | Q   | Ion | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|-----|-----|----------|--------|--------|----------|
| -----                         |        |     |     |          |        |        |          |
| Internal Standards            |        |     |     |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.616  | 152 |     | 127100   | 20.000 | ng/ul  | -0.02    |
| 20) Naphthalene-d8            | 10.375 | 136 |     | 562257   | 20.000 | ng/ul  | -0.02    |
| 38) Acenaphthene-d10          | 14.257 | 164 |     | 371993   | 20.000 | ng/ul  | -0.01    |
| 64) Phenanthrene-d10          | 17.086 | 188 |     | 856760   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.521 | 240 |     | 862469   | 20.000 | ng/ul  | -0.01    |
| 88) Perylene-d12              | 24.815 | 264 |     | 1000954  | 20.000 | ng/ul  | -0.02    |
| System Monitoring Compounds   |        |     |     |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 0.000  | 96  |     | 0d       | 0.000  | ng/uL  |          |
| 4) Pyridine-d5                | 0.000  | 84  |     | 0d       | 0.000  | ng/ul  |          |
| 7) Phenol-d5                  | 0.000  | 99  |     | 0d       | 0.000  | ng/ul  |          |
| 9) Bis-(2-Chloroethyl)eth...  | 7.063  | 67  |     | 6268m    | 0.998  | ng/ul  | 0.08     |
| 11) 2-Chlorophenol-d4         | 7.299  | 132 |     | 7407m    | 0.868  | ng/ul  | 0.12     |
| 15) 4-Methylphenol-d8         | 8.528  | 113 |     | 7567m    | 0.879  | ng/ul  | 0.16     |
| 21) Nitrobenzene-d5           | 8.875  | 128 |     | 4300m    | 0.985  | ng/ul  | 0.08     |
| 24) 2-Nitrophenol-d4          | 9.557  | 143 |     | 4205m    | 0.841  | ng/ul  | 0.05     |
| 28) 2,4-Dichlorophenol-d3     | 10.222 | 165 |     | 7979m    | 0.883  | ng/ul  | 0.17     |
| 31) 4-Chloroaniline-d4        | 0.000  | 131 |     | 0d       | 0.000  | ng/ul  |          |
| 46) Dimethylphthalate-d6      | 13.710 | 166 |     | 30285    | 1.120  | ng/ul  | 0.03     |
| 49) Acenaphthylene-d8         | 13.957 | 160 |     | 33824    | 1.114  | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 0.000  | 143 |     | 0d       | 0.000  | ng/ul  |          |
| 60) Fluorene-d10              | 15.286 | 176 |     | 28965    | 1.306  | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 0.000  | 200 |     | 0d       | 0.000  | ng/ul  |          |
| 73) Anthracene-d10            | 17.198 | 188 |     | 41274    | 1.085  | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.568 | 212 |     | 64088    | 1.202  | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.592 | 264 |     | 57326    | 1.161  | ng/ul  | 0.00     |
| Target Compounds              |        |     |     |          |        |        |          |
|                               |        |     |     |          |        | Qvalue |          |
| 30) Naphthalene               | 10.428 | 128 |     | 1558664  | 52.702 | ng/ul  | 99       |
| 36) 2-Methylnaphthalene       | 12.057 | 142 |     | 363503   | 17.905 | ng/ul  | 99       |
| 37) 1-Methylnaphthalene       | 12.281 | 142 |     | 163213   | 7.817  | ng/ul  | 100      |
| 43) 1,1'-Biphenyl             | 13.086 | 154 |     | 87969    | 3.236  | ng/ul  | 96       |
| 52) Acenaphthene              | 14.322 | 153 |     | 311626   | 13.657 | ng/ul  | 99       |
| 56) Dibenzofuran              | 14.692 | 168 |     | 337445   | 10.799 | ng/ul  | 97       |
| 61) Fluorene                  | 15.345 | 166 |     | 346032   | 13.571 | ng/ul  | 96       |
| 72) Phenanthrene              | 17.127 | 178 |     | 1530307  | 34.431 | ng/ul  | 99       |
| 74) Anthracene                | 17.233 | 178 |     | 216192   | 4.771  | ng/ul  | 97       |
| 77) Carbazole                 | 17.551 | 167 |     | 95809    | 2.587  | ng/ul  | 98       |
| 80) Fluoranthene              | 19.221 | 202 |     | 1003790  | 15.588 | ng/ul  | 98       |
| 82) Pyrene                    | 19.604 | 202 |     | 695161   | 10.609 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.504 | 228 |     | 210187   | 3.479  | ng/ul  | 98       |
| 87) Chrysene                  | 21.568 | 228 |     | 160640   | 2.861  | ng/ul  | 99       |
| 90) Benzo(b)fluoranthene      | 23.792 | 252 |     | 107625   | 1.772  | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 24.656 | 252 |     | 64675    | 1.127  | ng/ul  | 96       |
| -----                         |        |     |     |          |        |        |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP080624\  
Data File : BP021423.D  
Acq On : 07 Aug 2024 17:10  
Operator : CG/JU  
Sample : P3329-07DL2 30X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
F7E09DL2

Manual IntegrationsAPPROVED

Quant Time: Aug 08 03:30:53 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jul 29 12:46:18 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 08/08/2024  
Supervised By :mohammad ahmed 08/09/2024

