

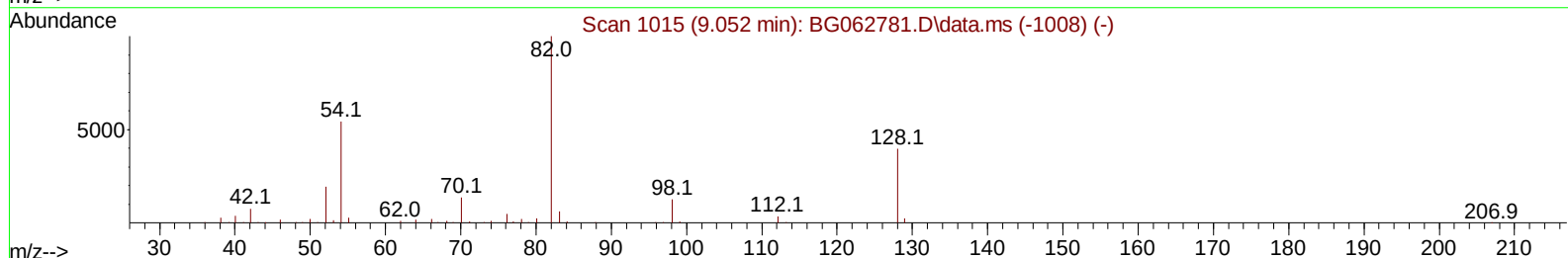
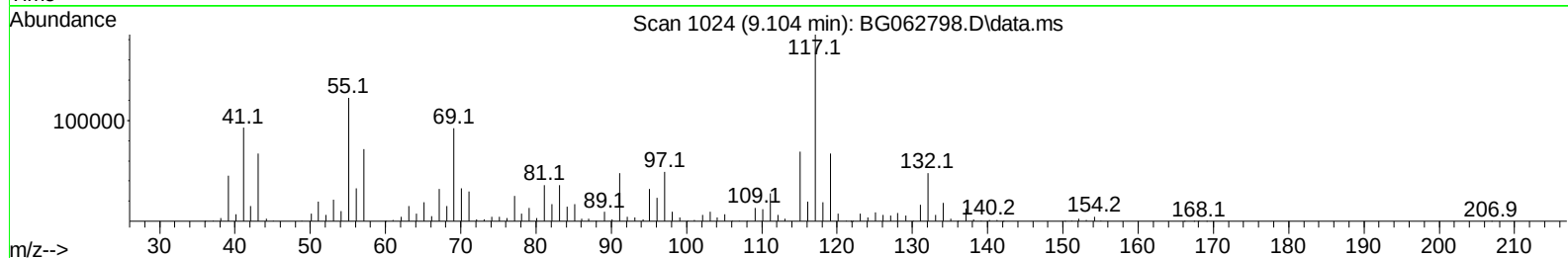
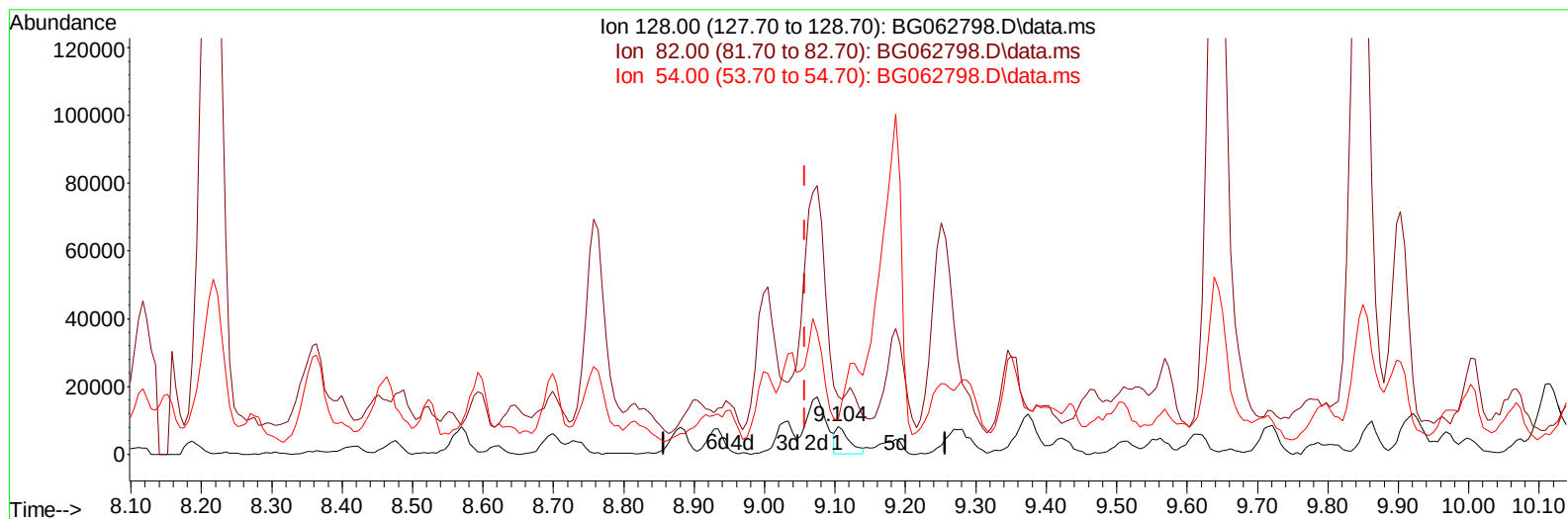
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091324\  
Data File : BG062798.D  
Acq On : 13 Sep 2024 21:36  
Operator : JU/RC  
Sample : P3898-20  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DDC59

Manual IntegrationsAPPROVED

Quant Time: Sep 14 00:59:33 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG090924.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Sep 10 01:28:17 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



TIC: BG062798.D\data.ms

(21) Nitrobenzene-d5 (S)

9.104min (+ 0.047) 7.10 ng/u1

response 10542

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 128.00 | 100.00 | 100.00 |
| 82.00  | 250.60 | 209.55 |
| 54.00  | 141.20 | 122.40 |
| 0.00   | 0.00   | 0.00   |

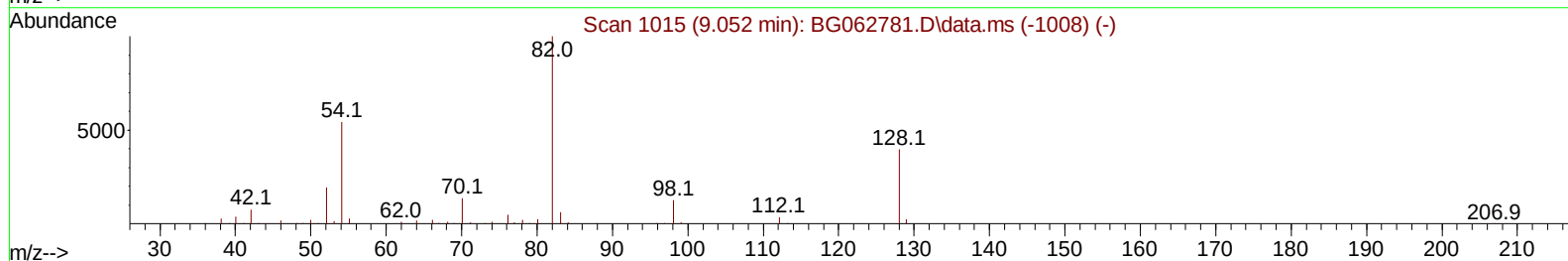
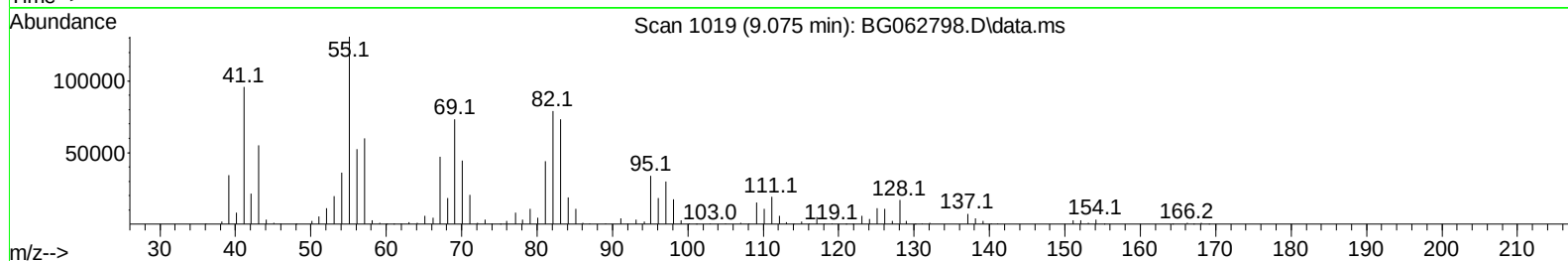
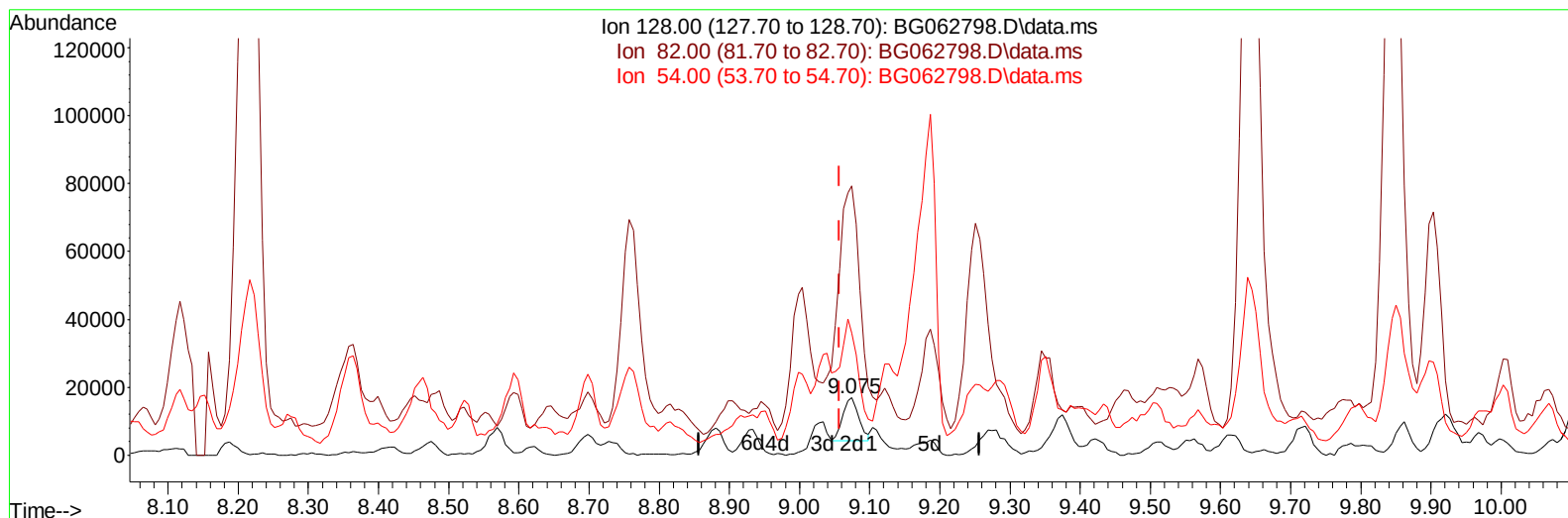
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091324\  
Data File : BG062798.D  
Acq On : 13 Sep 2024 21:36  
Operator : JU/RC  
Sample : P3898-20  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DDC59

Manual IntegrationsAPPROVED

Quant Time: Sep 14 00:59:33 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG090924.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Sep 10 01:28:17 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



TIC: BG062798.D\data.ms

(21) Nitrobenzene-d5 (S)

9.075min (+ 0.018) 13.77 ng/ul m

response 20446

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 128.00 | 100.00 | 100.00  |
| 82.00  | 250.60 | 469.35# |
| 54.00  | 141.20 | 213.12# |
| 0.00   | 0.00   | 0.00    |

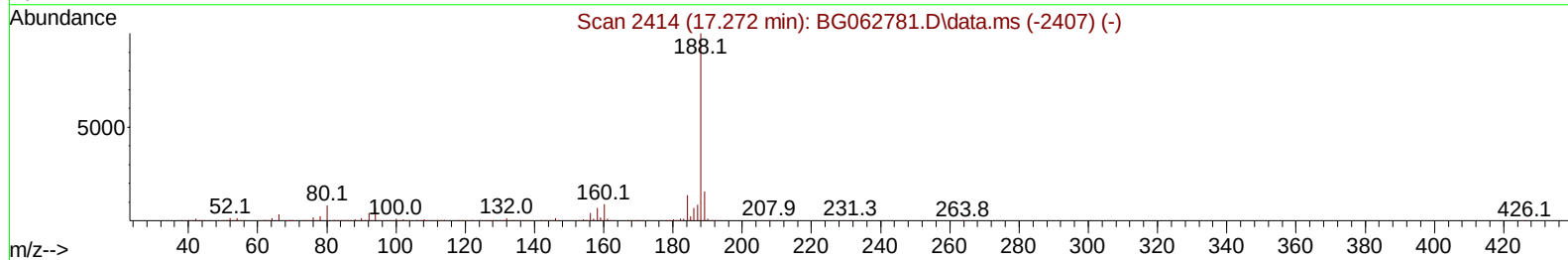
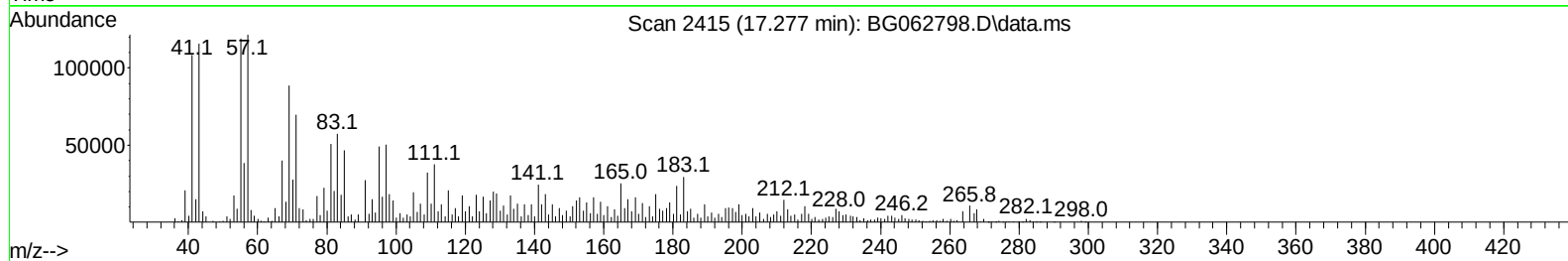
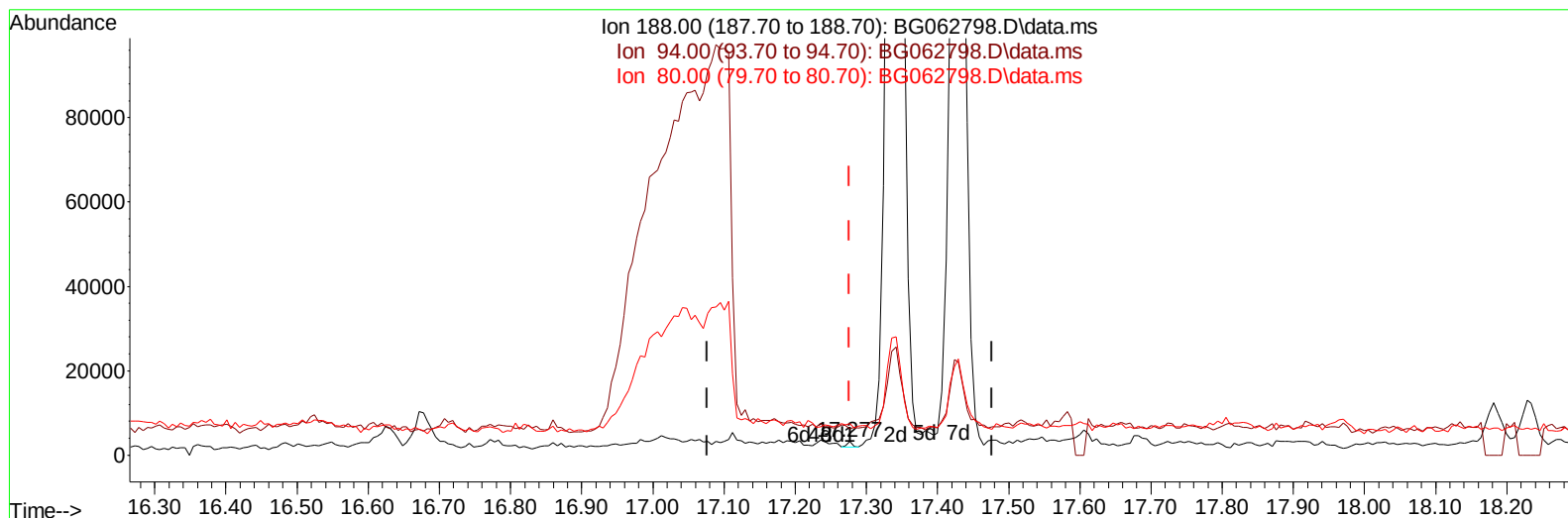
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091324\  
Data File : BG062798.D  
Acq On : 13 Sep 2024 21:36  
Operator : JU/RC  
Sample : P3898-20  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DDC59

Manual IntegrationsAPPROVED

Quant Time: Sep 14 01:01:05 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG090924.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Sep 10 01:28:17 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



TIC: BG062798.D\data.ms

(64) Phenanthrene-d10 (I)

17.277min (+ 0.000) 20.00 ng/ul

response 626

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 188.00 | 100.00 | 100.00  |
| 94.00  | 7.60   | 196.54# |
| 80.00  | 7.90   | 235.56# |
| 0.00   | 0.00   | 0.00    |

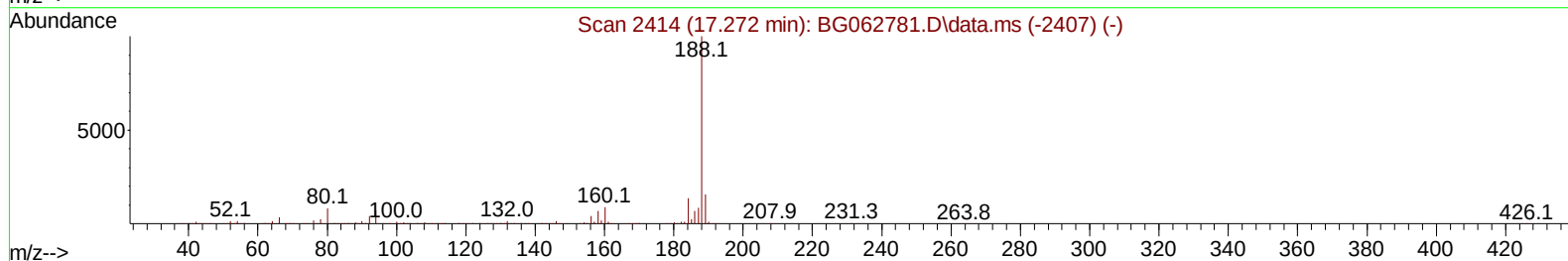
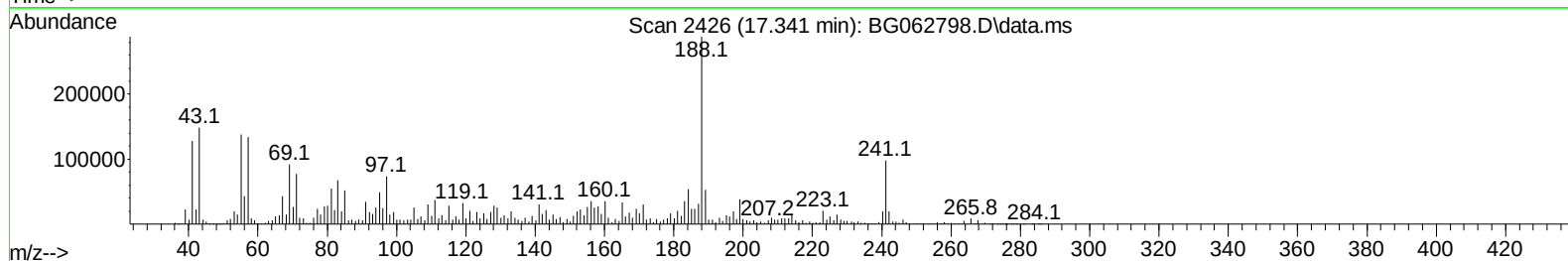
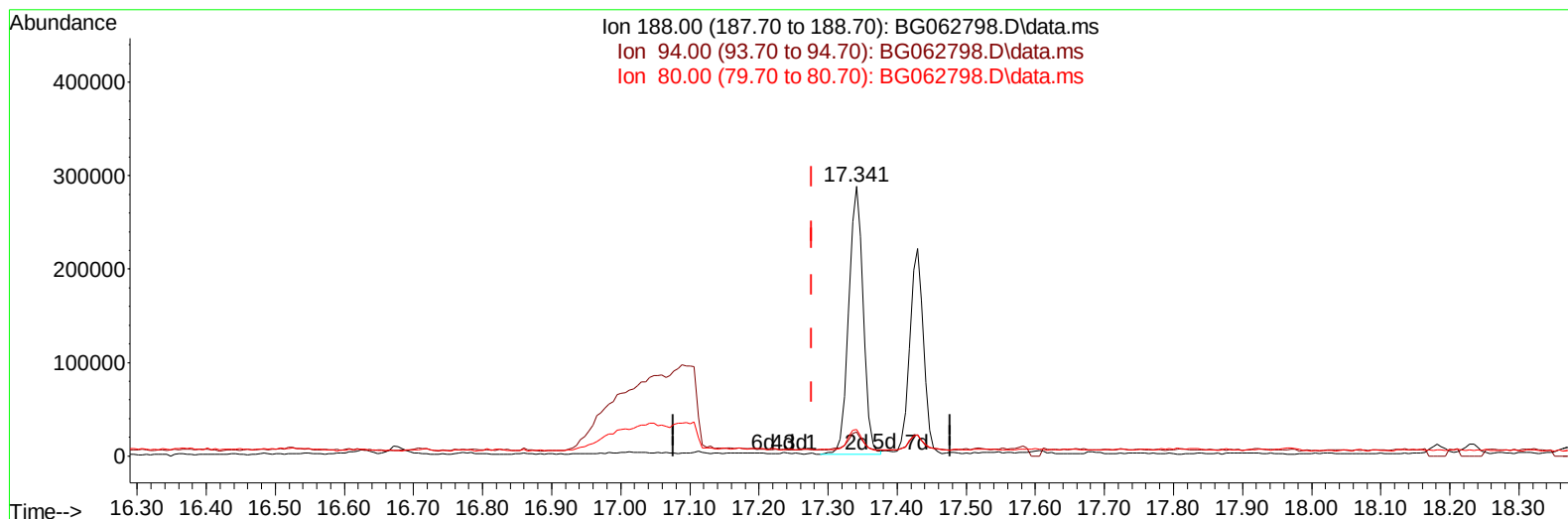
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091324\  
Data File : BG062798.D  
Acq On : 13 Sep 2024 21:36  
Operator : JU/RC  
Sample : P3898-20  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DDC59

Manual IntegrationsAPPROVED

Quant Time: Sep 14 01:01:05 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG090924.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Sep 10 01:28:17 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



TIC: BG062798.D\data.ms

**(64) Phenanthrene-d10 (I)**

17.341min (+ 0.065) 20.00 ng/ul m

response 416312

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 7.60   | 8.89   |
| 80.00  | 7.90   | 9.75#  |
| 0.00   | 0.00   | 0.00   |

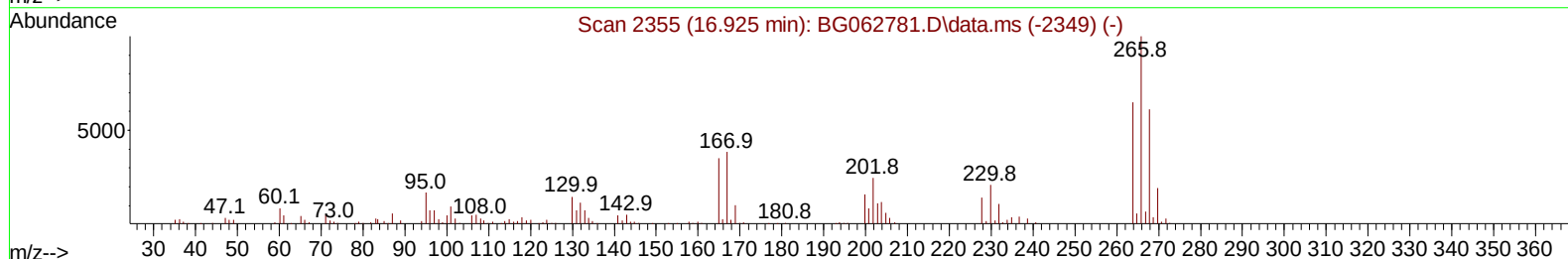
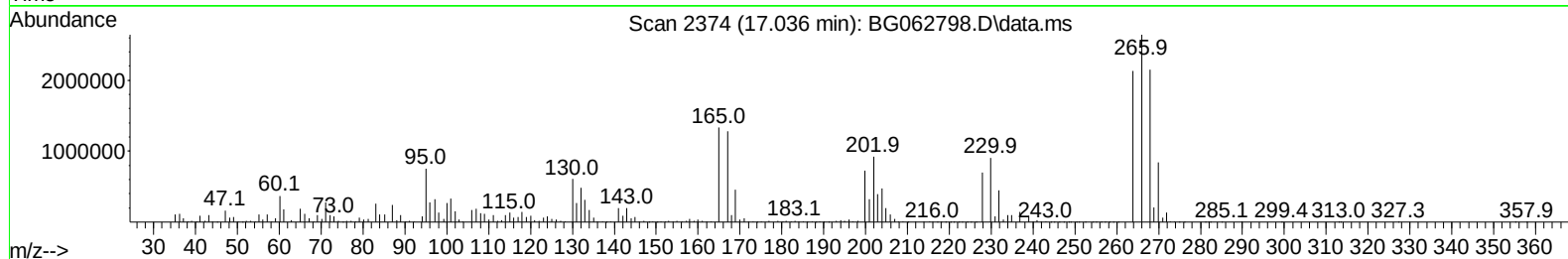
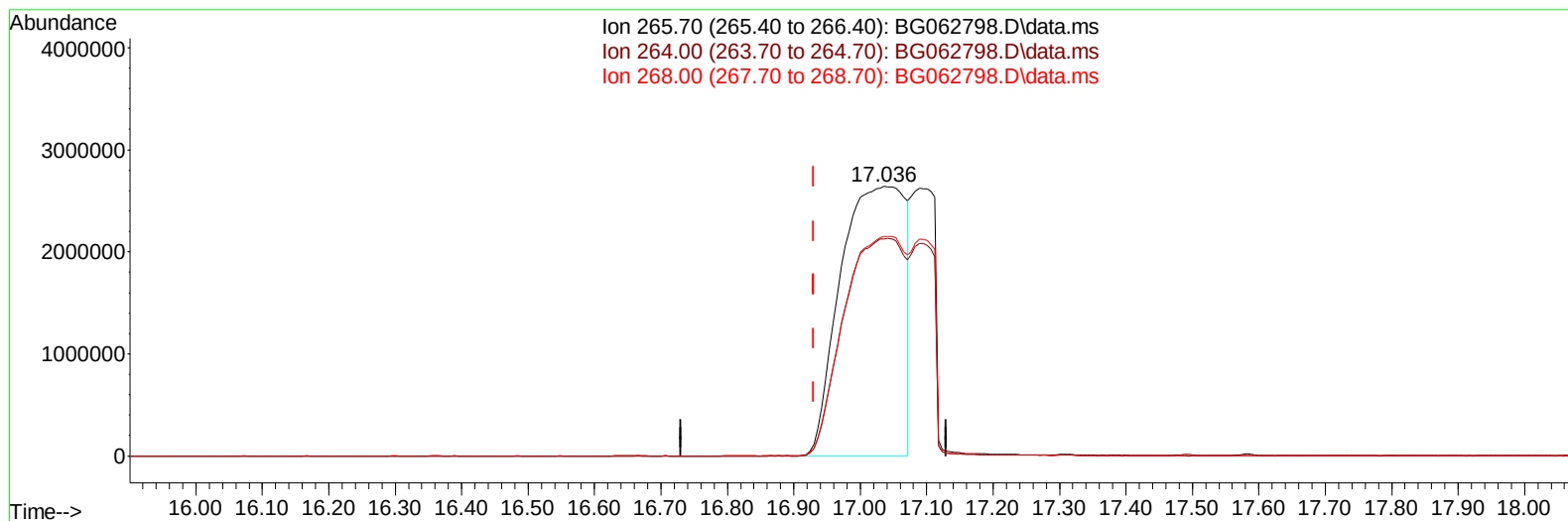
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091324\  
Data File : BG062798.D  
Acq On : 13 Sep 2024 21:36  
Operator : JU/RC  
Sample : P3898-20  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DDC59

Manual IntegrationsAPPROVED

Quant Time: Sep 14 01:01:36 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG090924.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Sep 10 01:28:17 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



TIC: BG062798.D\data.ms

(71) Pentachlorophenol (C)

17.036min (+ 0.106) 5407.49 ng/uI

response 17691190

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.70 | 100.00 | 100.00 |
| 264.00 | 60.70  | 80.63# |
| 268.00 | 61.90  | 81.40# |
| 0.00   | 0.00   | 0.00   |

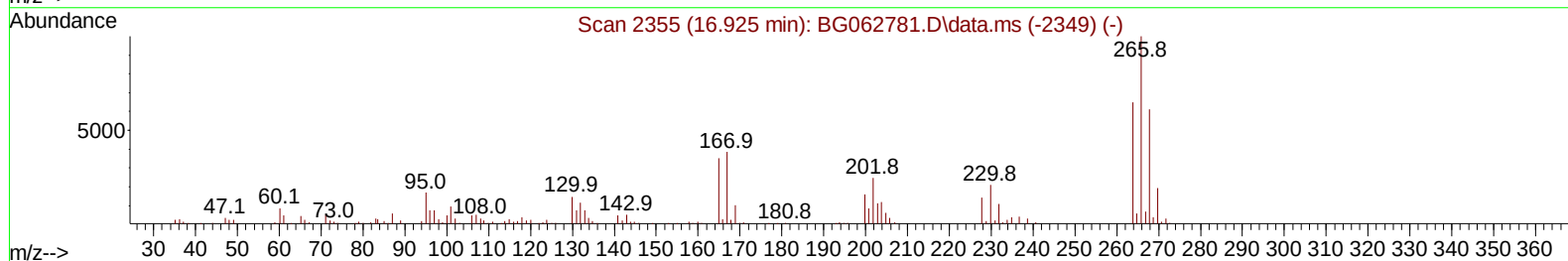
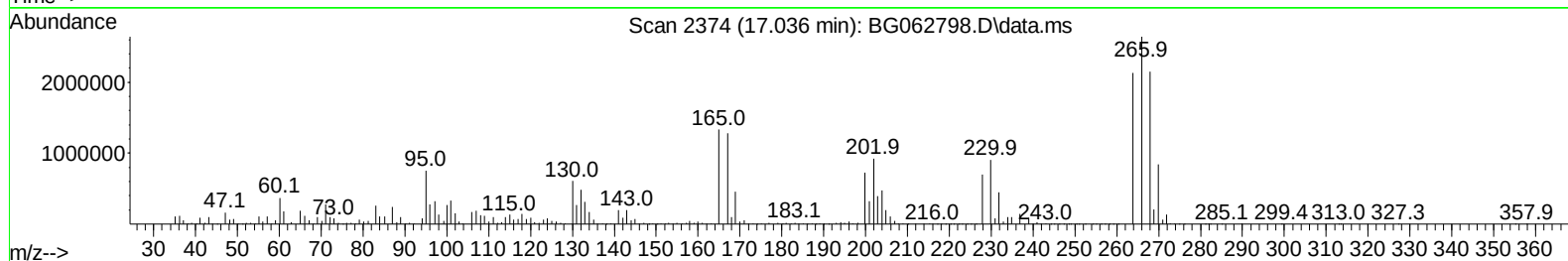
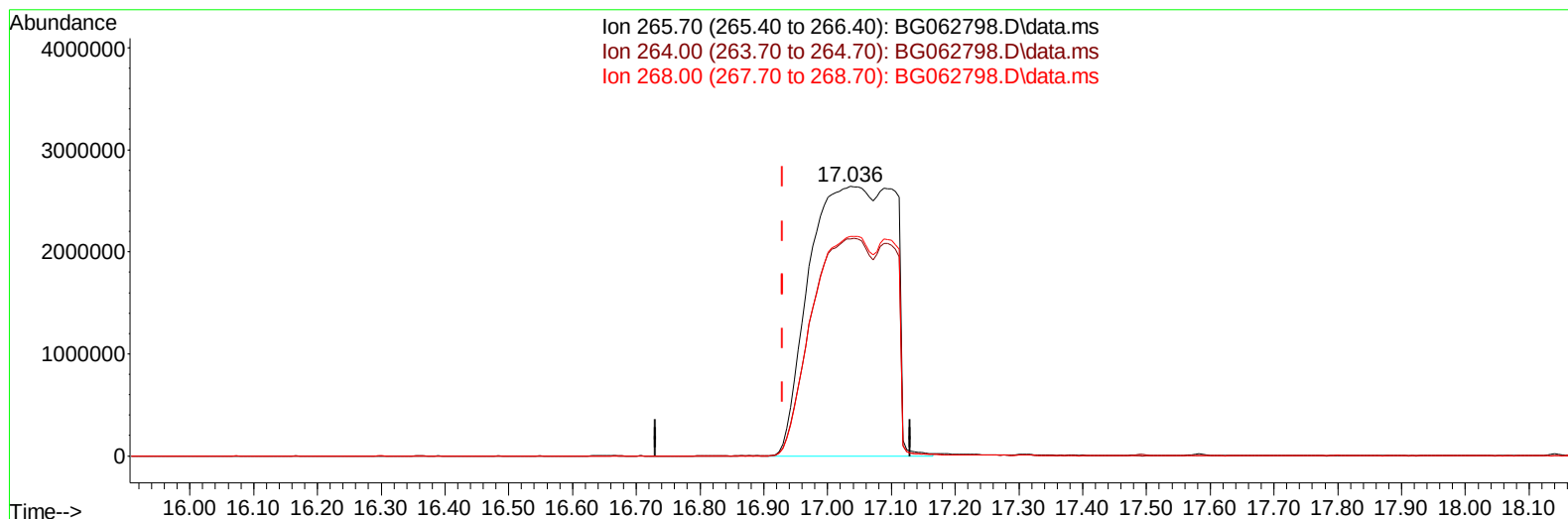
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091324\  
Data File : BG062798.D  
Acq On : 13 Sep 2024 21:36  
Operator : JU/RC  
Sample : P3898-20  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DDC59

Manual IntegrationsAPPROVED

Quant Time: Sep 14 01:01:36 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG090924.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Sep 10 01:28:17 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



TIC: BG062798.D\data.ms

(71) Pentachlorophenol (C)

17.036min (+ 0.106) 7410.15 ng/ul m

response 24243107

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.70 | 100.00 | 100.00 |
| 264.00 | 60.70  | 80.63# |
| 268.00 | 61.90  | 81.40# |
| 0.00   | 0.00   | 0.00   |

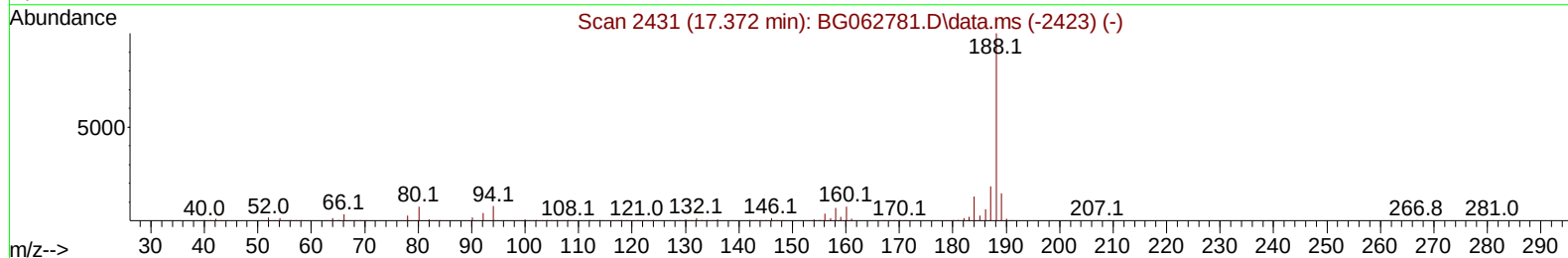
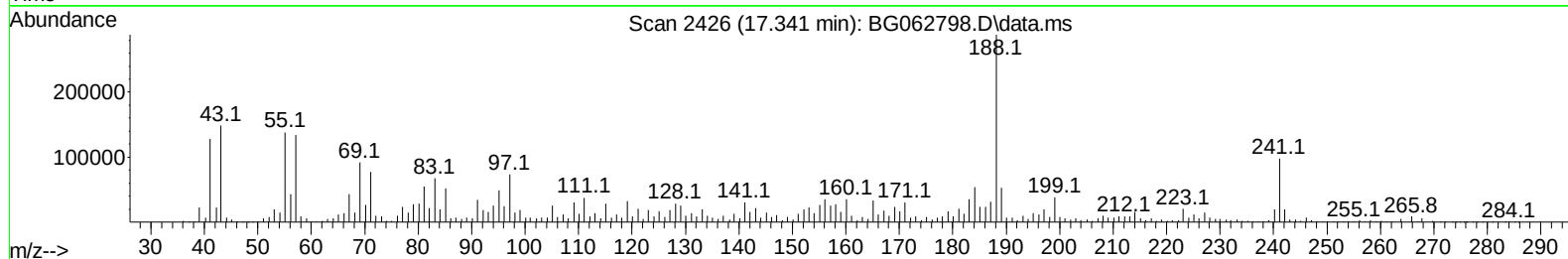
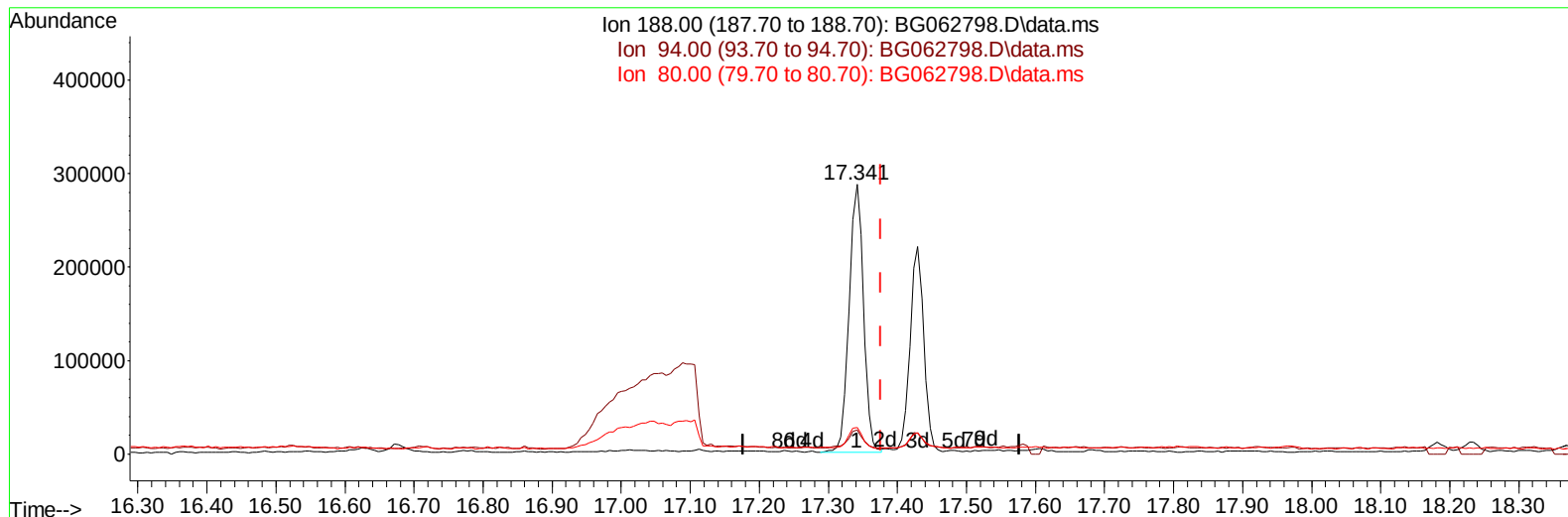
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091324\  
Data File : BG062798.D  
Acq On : 13 Sep 2024 21:36  
Operator : JU/RC  
Sample : P3898-20  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DDC59

Manual IntegrationsAPPROVED

Quant Time: Sep 14 01:02:17 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG090924.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Sep 10 01:28:17 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



TIC: BG062798.D\data.ms

(73) Anthracene-d10 (S)

17.341min (-0.035) 21.14 ng/u1

response 415344

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 8.30   | 8.89   |
| 80.00  | 8.30   | 9.75   |
| 0.00   | 0.00   | 0.00   |

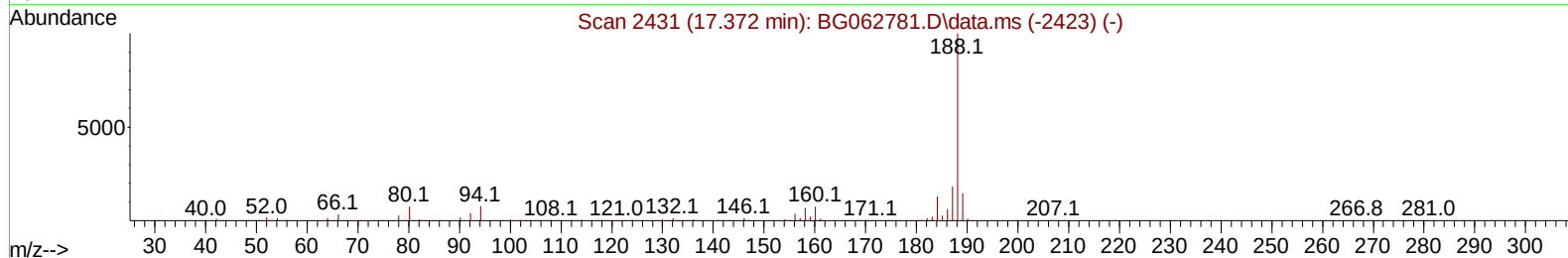
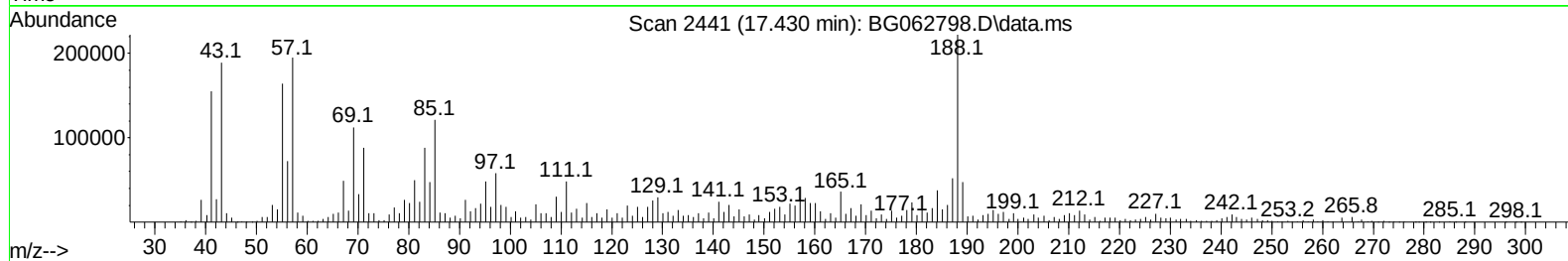
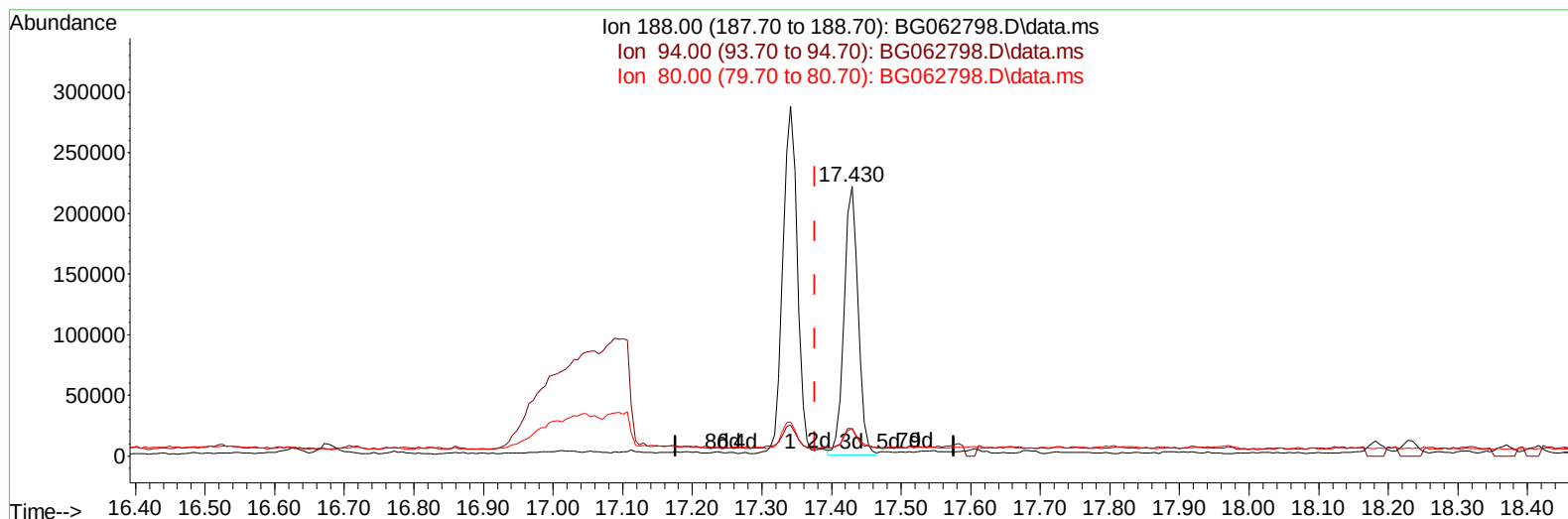
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091324\  
Data File : BG062798.D  
Acq On : 13 Sep 2024 21:36  
Operator : JU/RC  
Sample : P3898-20  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DDC59

Manual IntegrationsAPPROVED

Quant Time: Sep 14 01:02:17 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG090924.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Sep 10 01:28:17 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



TIC: BG062798.D\data.ms

(73) Anthracene-d10 (S)

17.430min (+ 0.053) 15.81 ng/ul m

response 310613

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 8.30   | 9.95   |
| 80.00  | 8.30   | 10.23# |
| 0.00   | 0.00   | 0.00   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091324\  
 Data File : BG062798.D  
 Acq On : 13 Sep 2024 21:36  
 Operator : JU/RC  
 Sample : P3898-20  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DDC59

Manual IntegrationsAPPROVED

Quant Time: Sep 14 01:03:14 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG090924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 10 01:28:17 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/16/2024  
 Supervised By :mohammad ahmed 09/17/2024

| Compound                      | R.T.   | QIon | Response  | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|-----------|----------|--------|----------|
| -----                         |        |      |           |          |        |          |
| Internal Standards            |        |      |           |          |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.917  | 152  | 51402     | 20.000   | ng/ul  | 0.01     |
| 20) Naphthalene-d8            | 10.714 | 136  | 207779    | 20.000   | ng/ul  | # 0.02   |
| 38) Acenaphthene-d10          | 14.551 | 164  | 203546    | 20.000   | ng/ul  | 0.02     |
| 64) Phenanthrene-d10          | 17.341 | 188  | 416312m   | 20.000   | ng/ul  | 0.06     |
| 79) Chrysene-d12              | 21.531 | 240  | 448238    | 20.000   | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.598 | 264  | 513301    | 20.000   | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |           |          |        |          |
| 3) 1,4-Dioxane-d8             | 3.364  | 96   | 3032      | 2.666    | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.781  | 84   | 9663      | 2.670    | ng/ul  | 0.01     |
| 7) Phenol-d5                  | 7.118  | 99   | 83808     | 18.594   | ng/ul  | 0.05     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.241  | 67   | 128818    | 47.669   | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.465  | 132  | 54557     | 16.617   | ng/ul  | 0.03     |
| 15) 4-Methylphenol-d8         | 8.640  | 113  | 41098     | 10.942   | ng/ul  | 0.03     |
| 21) Nitrobenzene-d5           | 9.075  | 128  | 20446m    | 13.768   | ng/ul  | 0.02     |
| 24) 2-Nitrophenol-d4          | 9.791  | 143  | 33631     | 20.707   | ng/ul  | 0.01     |
| 28) 2,4-Dichlorophenol-d3     | 10.361 | 165  | 72043     | 20.369   | ng/ul  | 0.04     |
| 31) 4-Chloroaniline-d4        | 10.825 | 131  | 194297    | 39.965   | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.951 | 166  | 213719    | 13.635   | ng/ul  | 0.01     |
| 49) Acenaphthylene-d8         | 14.245 | 160  | 253940    | 14.587   | ng/ul  | 0.02     |
| 54) 4-Nitrophenol-d4          | 14.774 | 143  | 76400     | 28.692   | ng/ul  | 0.04     |
| 60) Fluorene-d10              | 15.549 | 176  | 203494    | 14.407   | ng/ul  | 0.02     |
| 65) 4,6-Dinitro-2-methylph... | 15.667 | 200  | 38623     | 16.128   | ng/ul  | 0.02     |
| 73) Anthracene-d10            | 17.430 | 188  | 310613m   | 15.809   | ng/ul  | 0.05     |
| 81) Pyrene-d10                | 19.680 | 212  | 333749    | 13.232   | ng/ul  | 0.01     |
| 92) Benzo(a)pyrene-d12        | 24.386 | 264  | 294745    | 10.875   | ng/ul  | 0.00     |
| Target Compounds              |        |      |           |          |        |          |
|                               |        |      |           |          | Qvalue |          |
| 30) Naphthalene               | 10.767 | 128  | 1102717   | 98.981   | ng/ul  | 98       |
| 36) 2-Methylnaphthalene       | 12.382 | 142  | 1485482   | 180.665  | ng/ul  | 97       |
| 37) 1-Methylnaphthalene       | 12.600 | 142  | 1023745   | 121.551  | ng/ul# | 96       |
| 41) 2,4,6-Trichlorophenol     | 13.005 | 196  | 36804     | 8.683    | ng/ul  | 94       |
| 42) 2,4,5-Trichlorophenol     | 13.088 | 196  | 31696     | 6.965    | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.375 | 154  | 182116    | 12.723   | ng/ul# | 88       |
| 52) Acenaphthene              | 14.609 | 153  | 67912     | 5.217    | ng/ul# | 91       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.214 | 232  | 4673124   | 1013.294 | ng/ul# | 95       |
| 61) Fluorene                  | 15.602 | 166  | 157078    | 10.339   | ng/ul# | 92       |
| 71) Pentachlorophenol         | 17.036 | 266  | 24243107m | 7410.152 | ng/ul  |          |
| 72) Phenanthrene              | 17.377 | 178  | 627295    | 28.975   | ng/ul  | 97       |
| 80) Fluoranthene              | 19.351 | 202  | 44453     | 1.591    | ng/ul# | 53       |
| 82) Pyrene                    | 19.709 | 202  | 63861     | 2.124    | ng/ul# | 72       |
| 86) Bis(2-ethylhexyl)phtha... | 21.425 | 149  | 58942     | 4.484    | ng/ul# | 79       |
| -----                         |        |      |           |          |        |          |

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

