

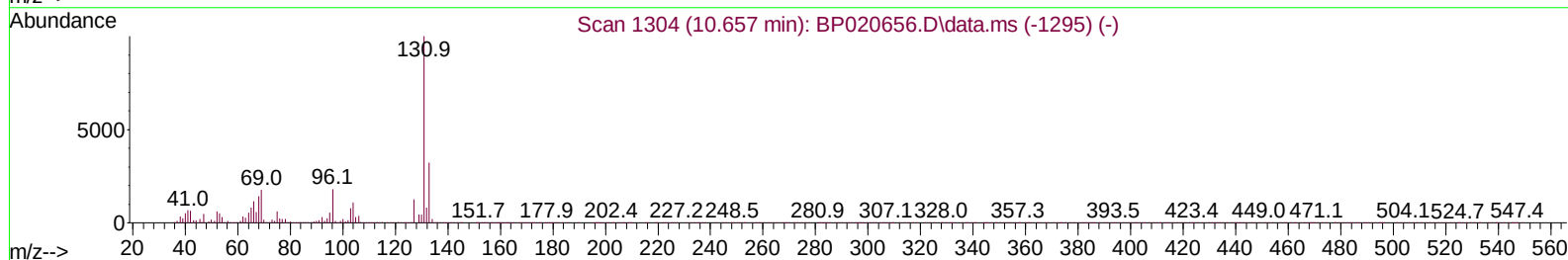
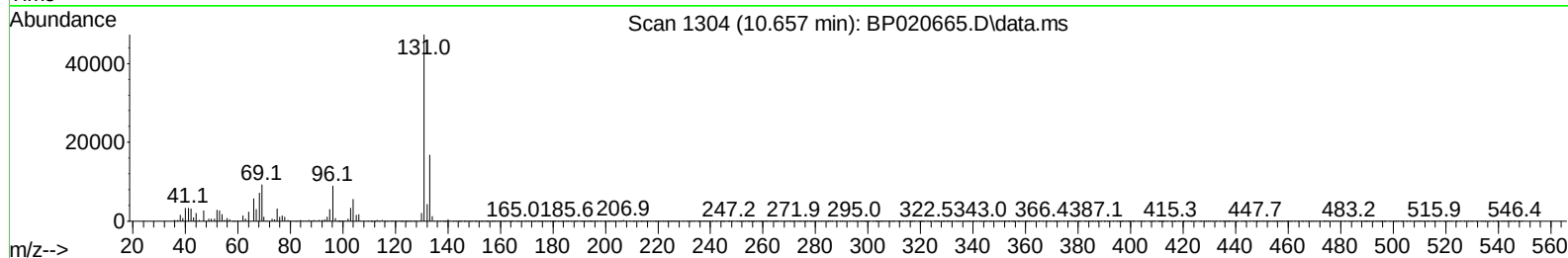
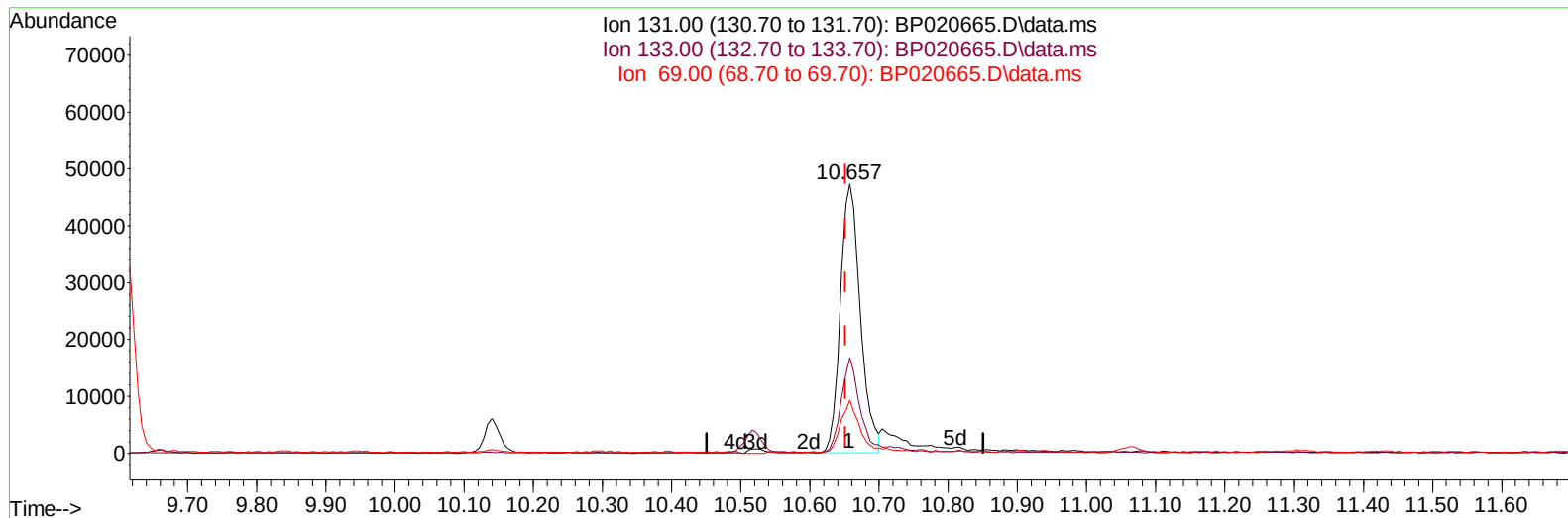
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062724\  
Data File : BP020665.D  
Acq On : 27 Jun 2024 17:20  
Operator : MA/JU  
Sample : P2909-12  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4CP1

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/28/2024  
Supervised By :mohammad ahmed 06/29/2024

Quant Time: Jun 27 18:34:10 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062524.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jun 25 18:30:06 2024  
Response via : Initial Calibration



TIC: BP020665.D\data.ms

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

10.657min (+ 0.006) 5.60 ng/ul

response 94747

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 131.00 | 100.00 | 100.00 |
| 133.00 | 32.40  | 35.58  |
| 69.00  | 17.60  | 19.76  |
| 0.00   | 0.00   | 0.00   |

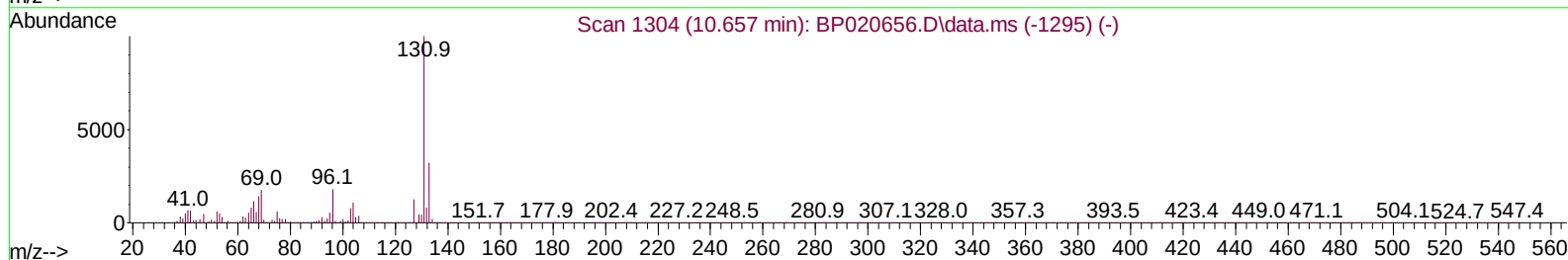
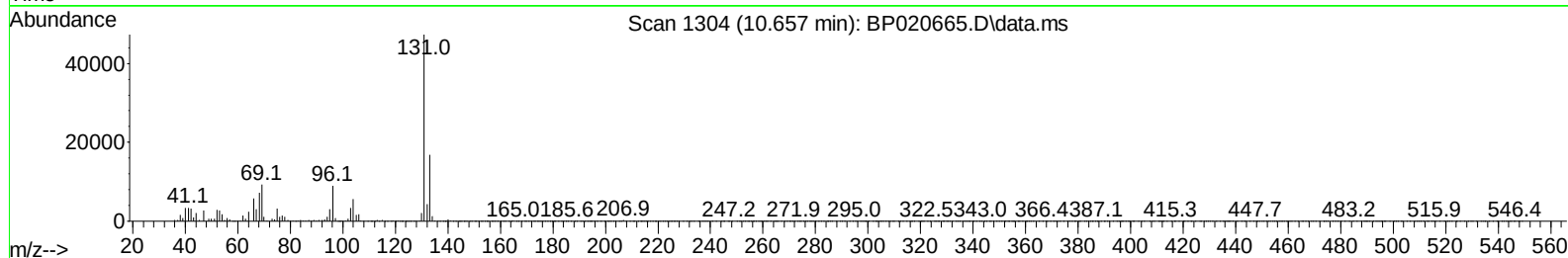
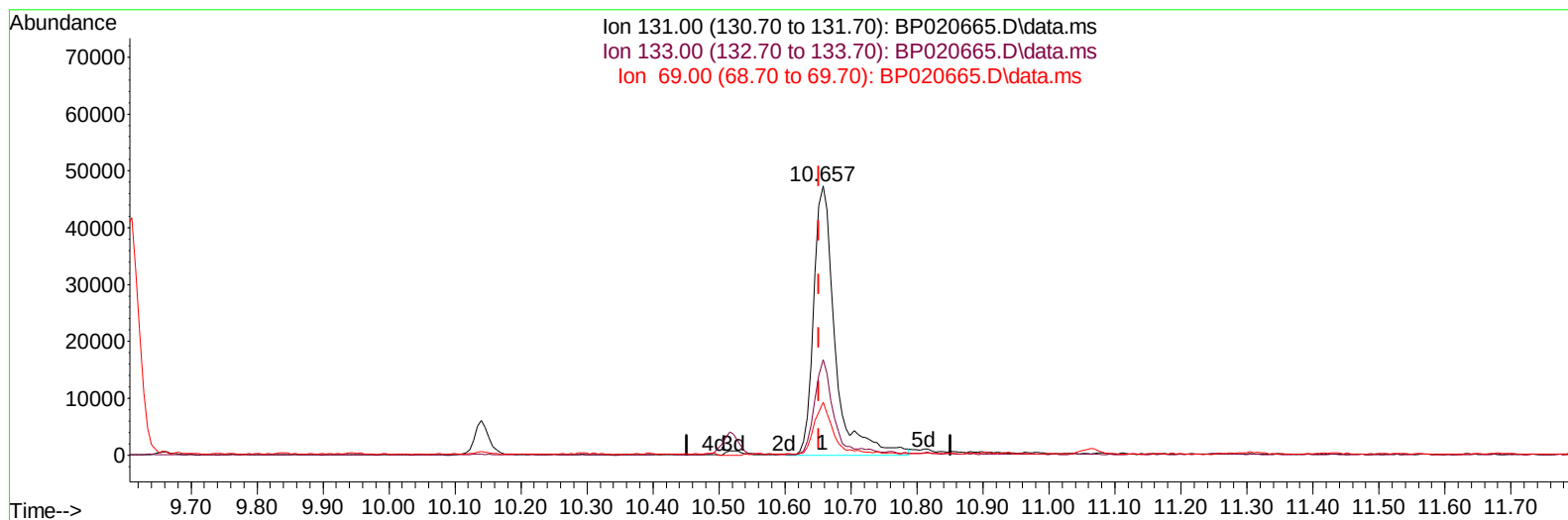
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Manual IntegrationsAPPROVED

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TIC: BP020665.D\data.ms

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

**10.657min (+ 0.006) 6.30 ng/ul m**

**response 106484**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 131.00 | 100.00 | 100.00 |
| 133.00 | 32.40  | 35.58  |
| 69.00  | 17.60  | 19.76  |
| 0.00   | 0.00   | 0.00   |

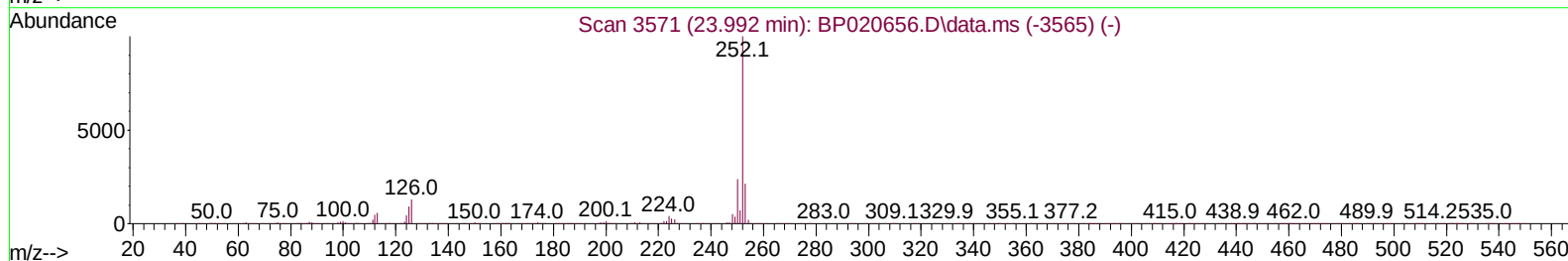
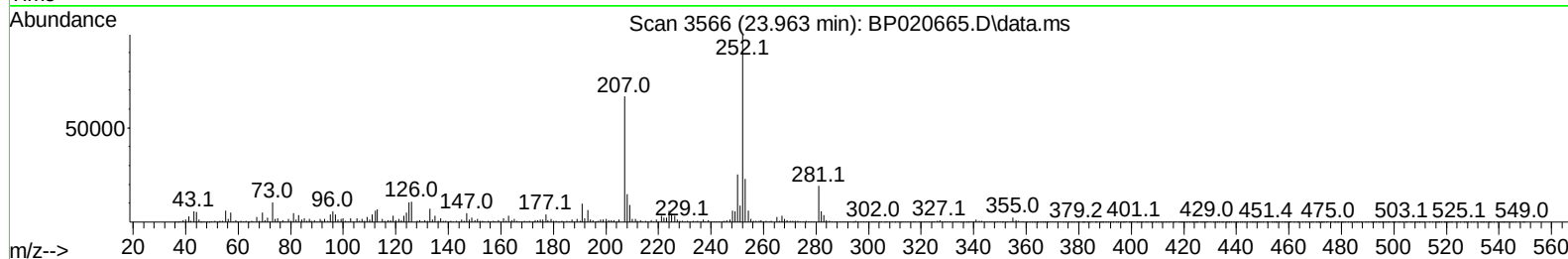
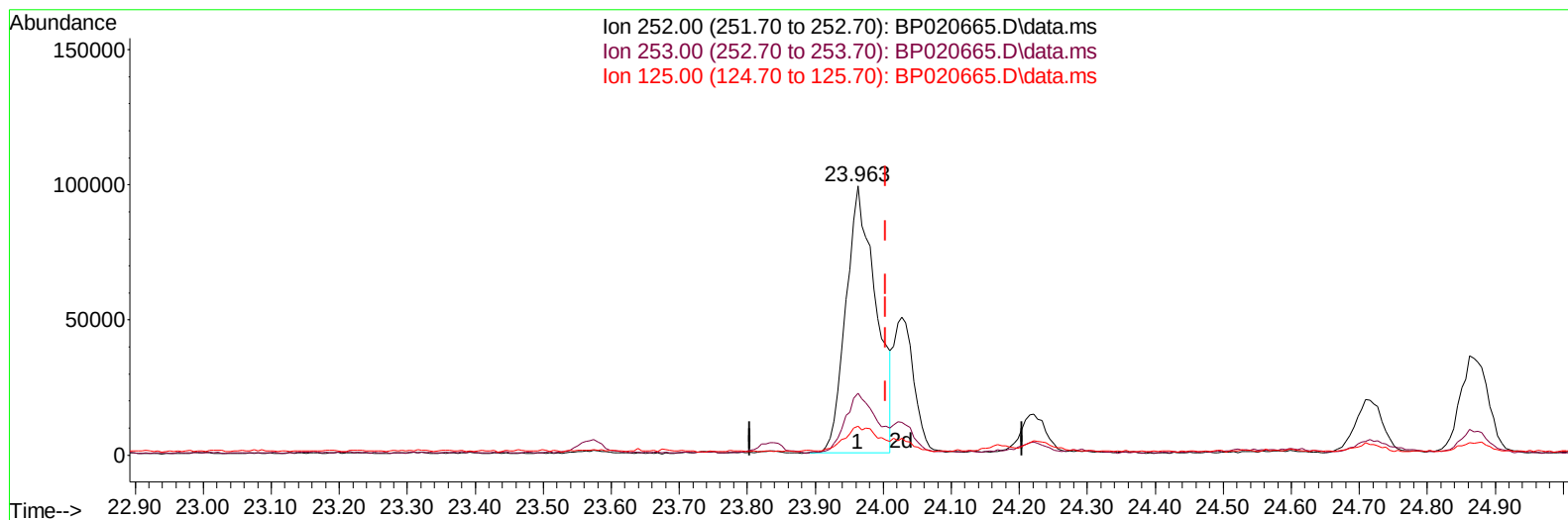
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Instrument :  
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Manual IntegrationsAPPROVED

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TIC: BP020665.D\data.ms

(91) Benzo(k)fluoranthene

23.963min (-0.041) 6.64 ng/u1

response 304172

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.00  | 23.12  |
| 125.00 | 9.90   | 10.69  |
| 0.00   | 0.00   | 0.00   |

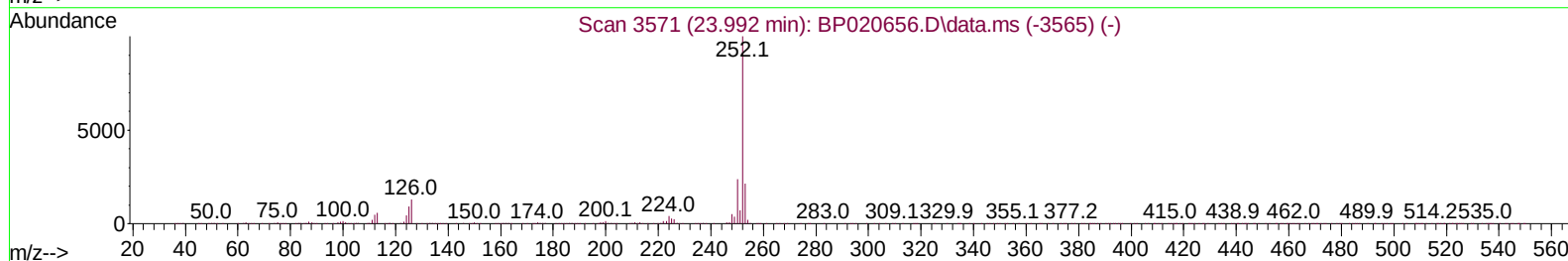
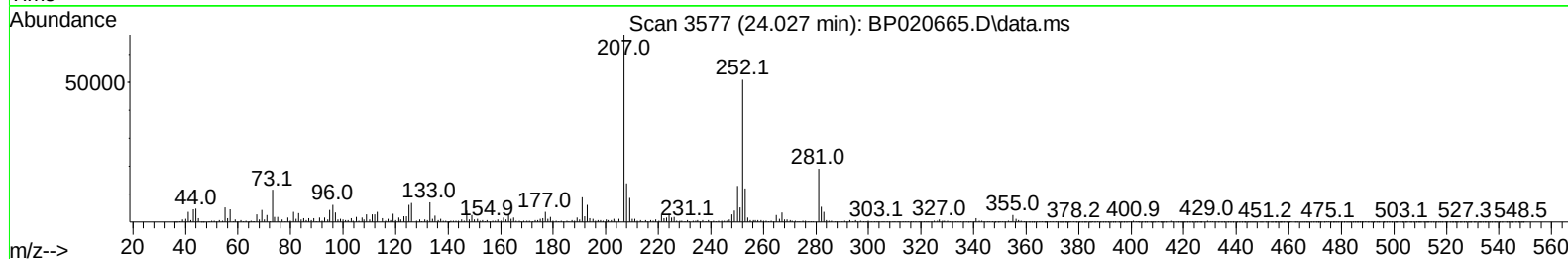
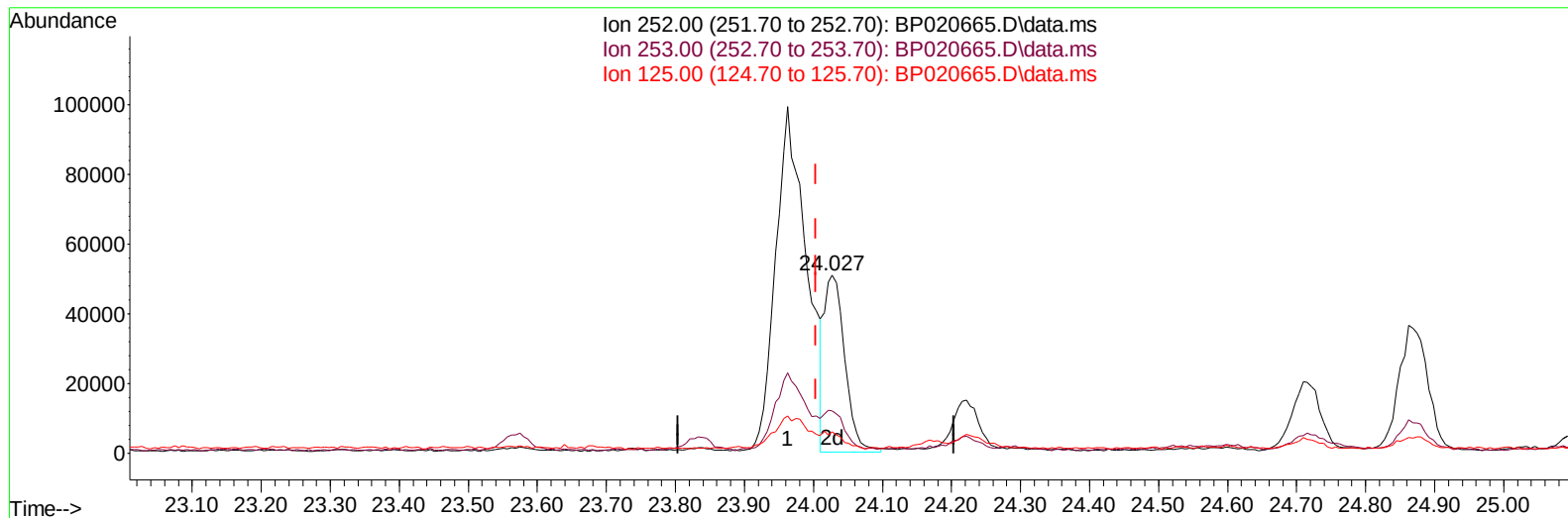
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Manual IntegrationsAPPROVED

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TIC: BP020665.D\data.ms

(91) Benzo(k)fluoranthene

24.027min (+ 0.024) 2.29 ng/u1 m

response 104753

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.00  | 23.63  |
| 125.00 | 9.90   | 12.07# |
| 0.00   | 0.00   | 0.00   |

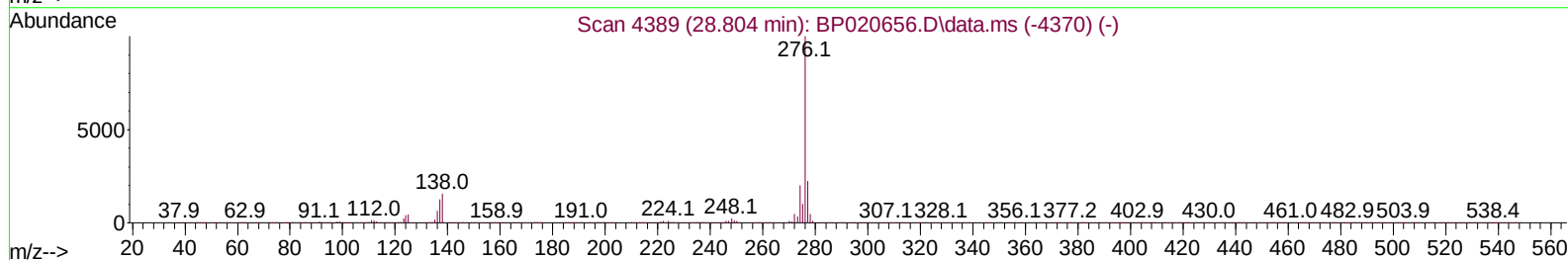
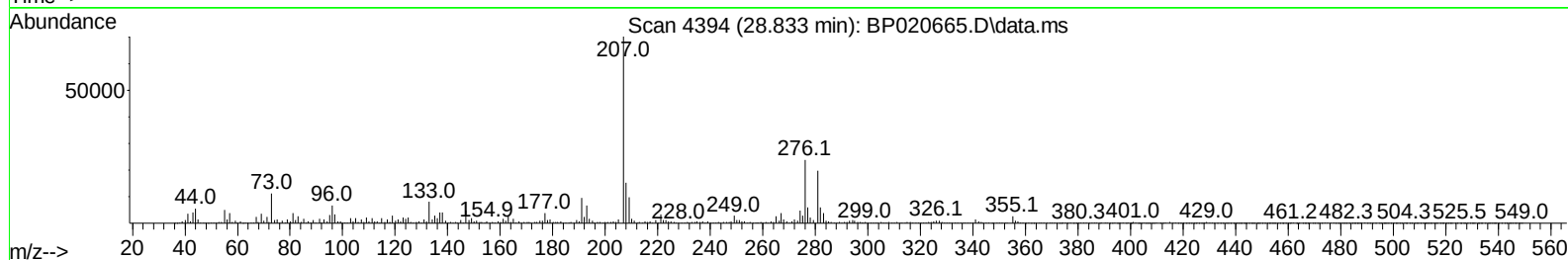
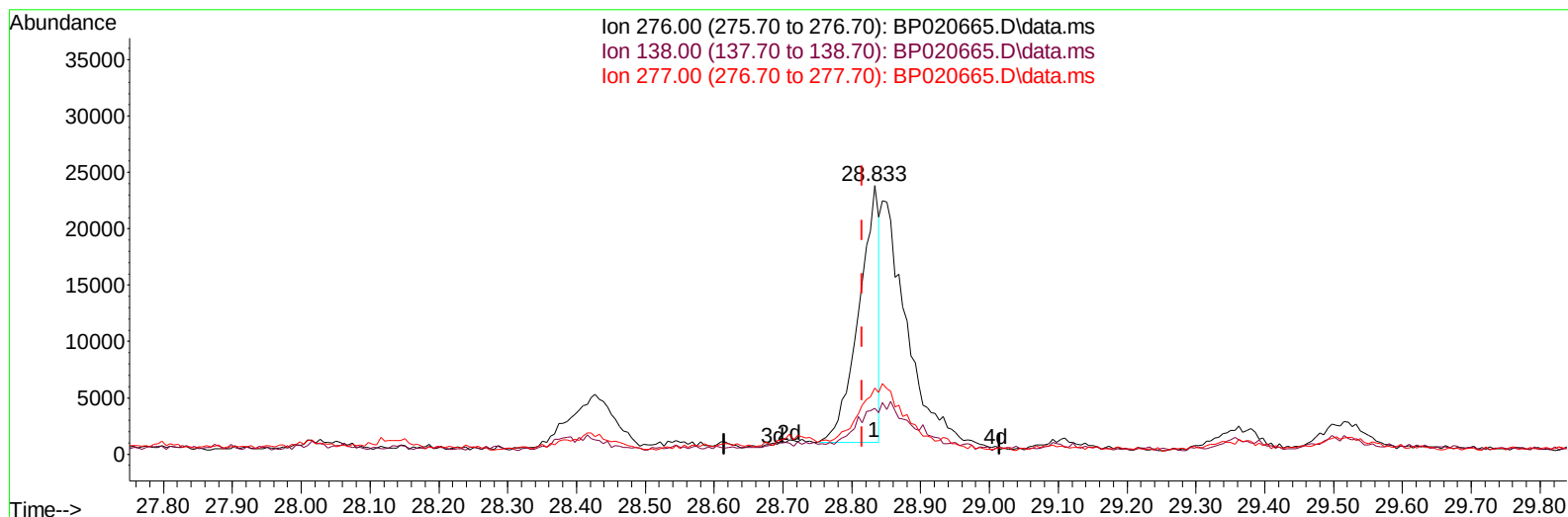
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Sample : P2909-12  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4CP1

Manual IntegrationsAPPROVED

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Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/28/2024  
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TIC: BP020665.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

28.833min (+ 0.018) 0.85 ng/u1

response 46781

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 19.00  | 17.19  |
| 277.00 | 23.70  | 24.69  |
| 0.00   | 0.00   | 0.00   |

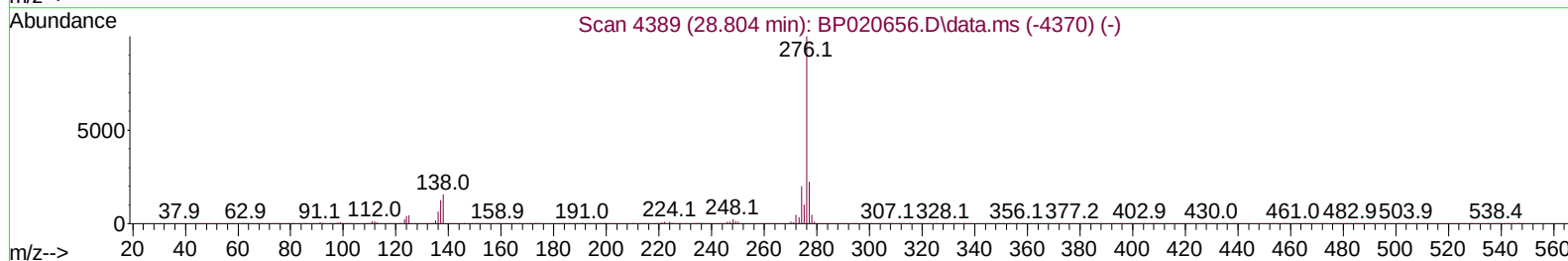
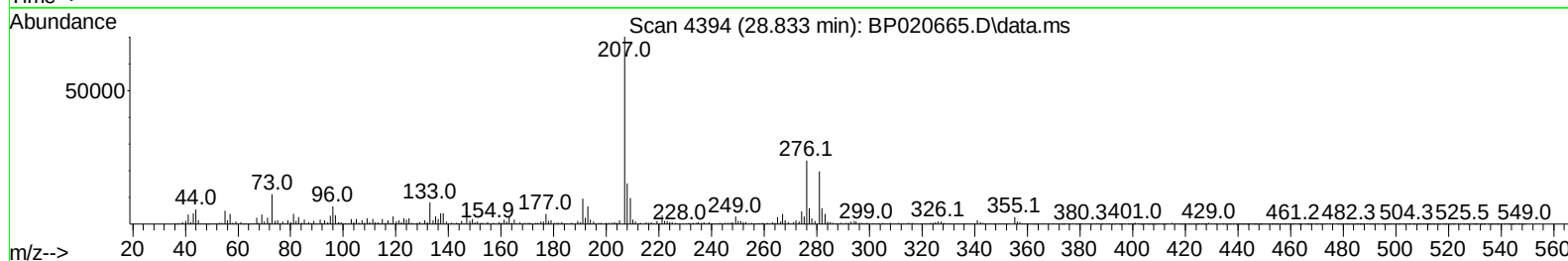
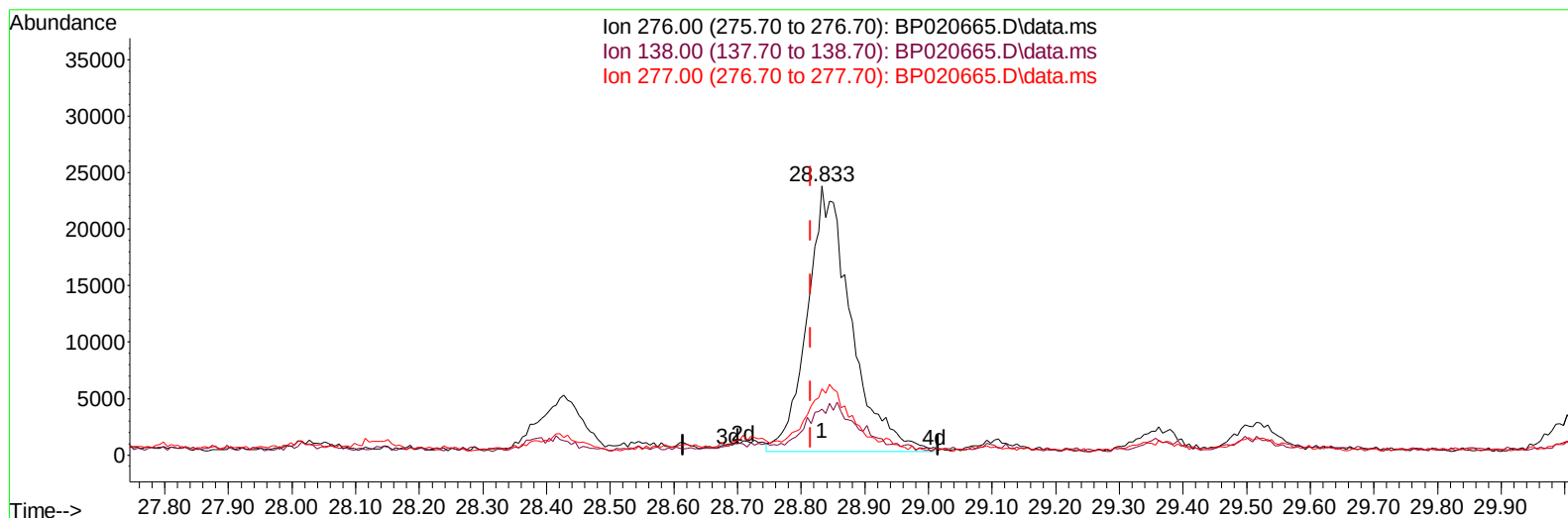
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062724\  
Data File : BP020665.D  
Acq On : 27 Jun 2024 17:20  
Operator : MA/JU  
Sample : P2909-12  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4CP1

Manual IntegrationsAPPROVED

Quant Time: Jun 27 18:34:10 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062524.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jun 25 18:30:06 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/28/2024  
Supervised By :mohammad ahmed 06/29/2024



TIC: BP020665.D\data.ms

**(94) Indeno(1,2,3-cd)pyrene**

**28.833min (+ 0.018) 2.06 ng/ul m**

**response 112631**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 19.00  | 17.19  |
| 277.00 | 23.70  | 24.69  |
| 0.00   | 0.00   | 0.00   |

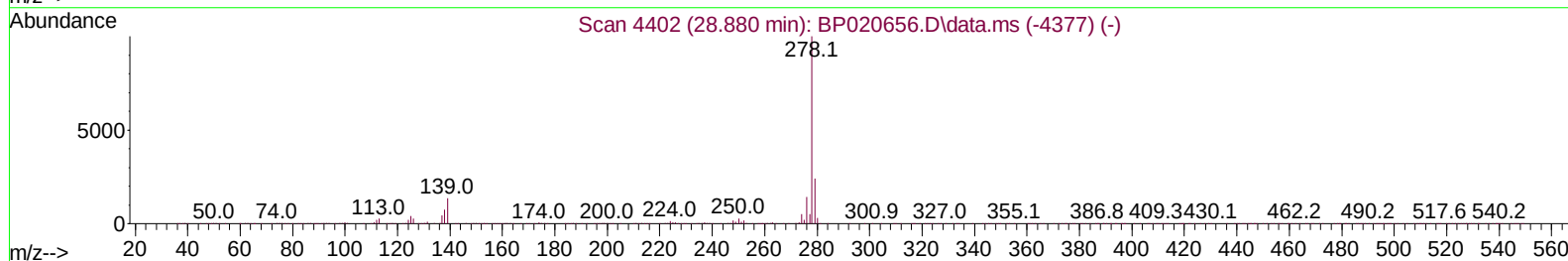
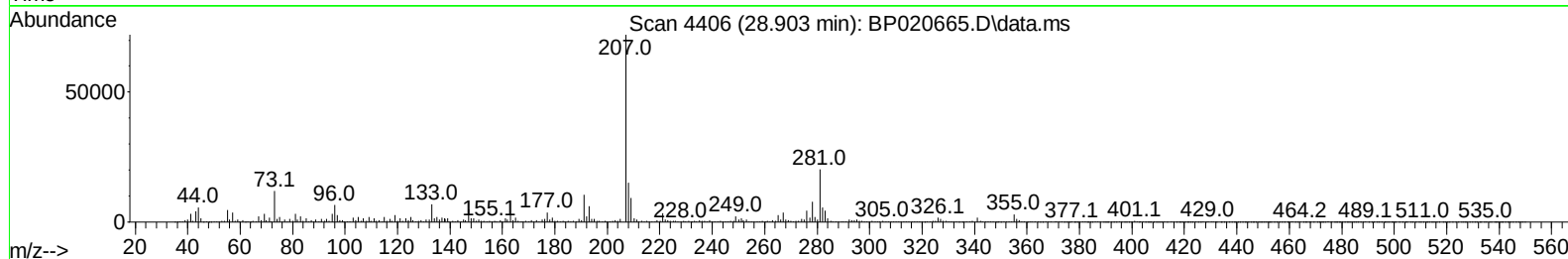
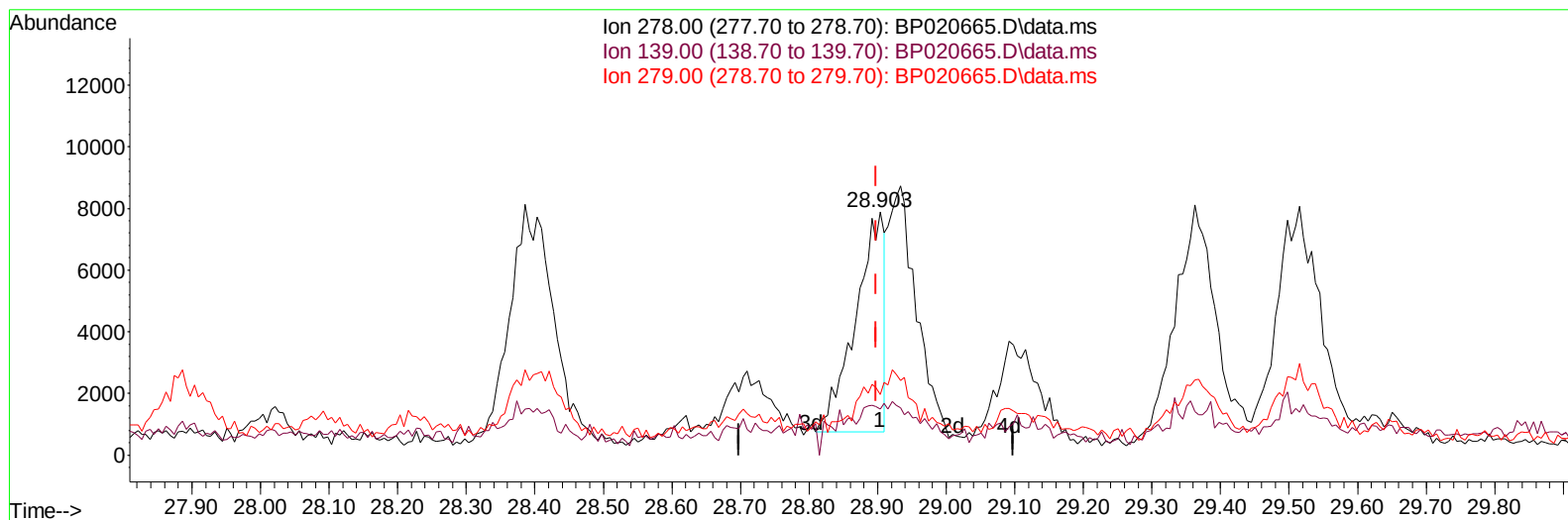
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Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4CP1

Manual IntegrationsAPPROVED

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TIC: BP020665.D\data.ms

(95) Dibenzo(a,h)anthracene

28.903min (+ 0.006) 0.46 ng/u1

response 20765

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 13.90  | 22.54# |
| 279.00 | 23.40  | 24.91  |
| 0.00   | 0.00   | 0.00   |

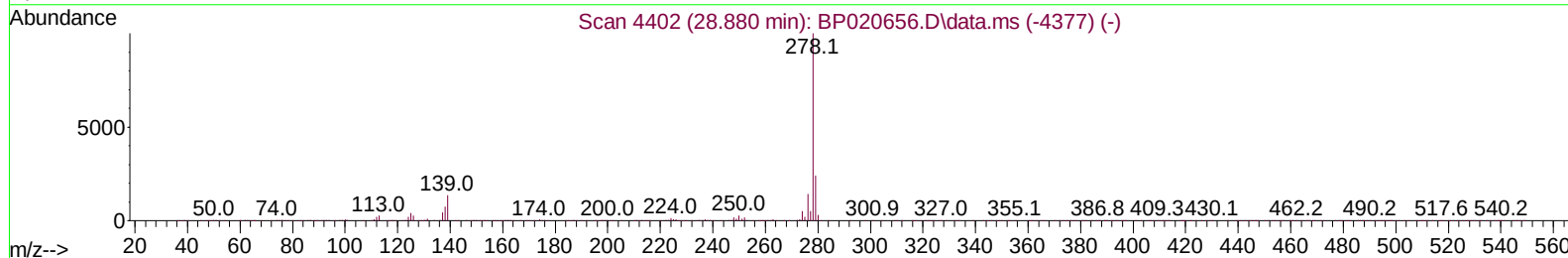
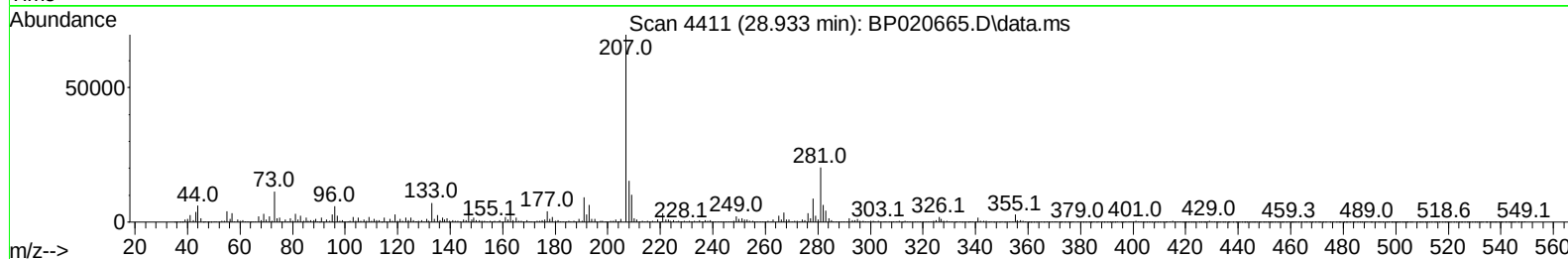
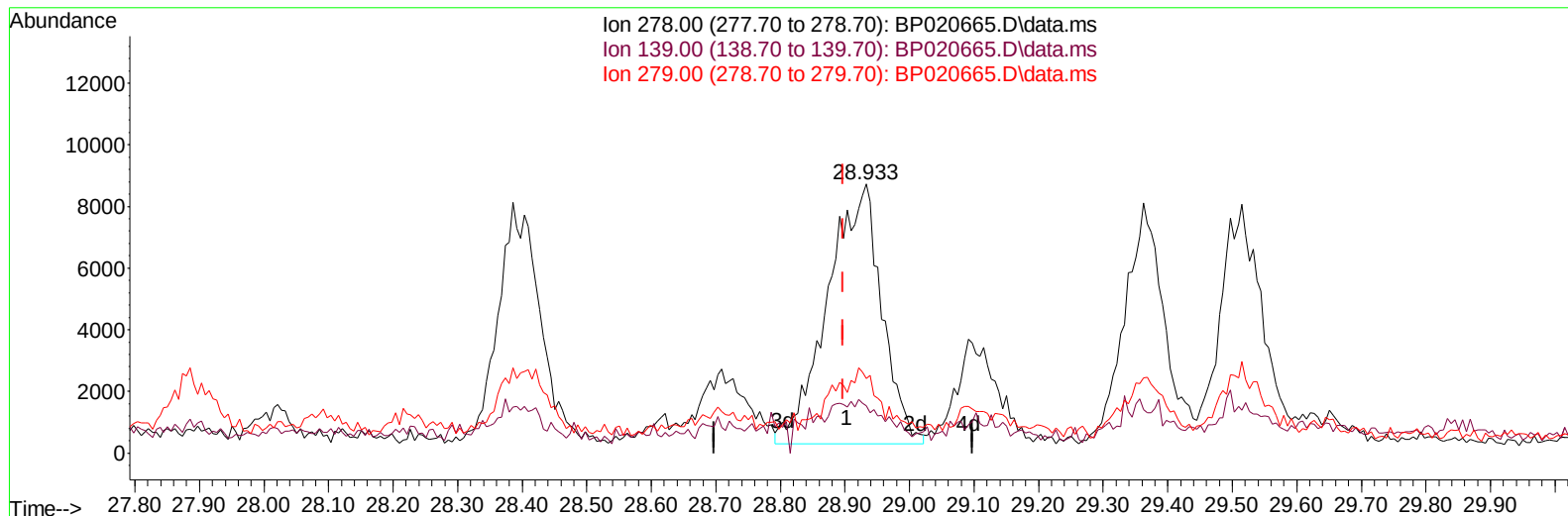
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062724\  
Data File : BP020665.D  
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Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4CP1

Manual IntegrationsAPPROVED

Quant Time: Jun 27 18:34:10 2024  
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Quant Title : SVOA CALIBRATION  
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Reviewed By :Yogesh Patel 06/28/2024  
Supervised By :mohammad ahmed 06/29/2024



TIC: BP020665.D\data.ms

(95) Dibenzo(a,h)anthracene

28.933min (+ 0.035) 1.09 ng/ul m

response 48977

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 13.90  | 17.51# |
| 279.00 | 23.40  | 27.73  |
| 0.00   | 0.00   | 0.00   |



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 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 A4CP1

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/28/2024  
 Supervised By :mohammad ahmed 06/29/2024

Quant Time: Jun 27 18:36:53 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062524.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jun 25 18:30:06 2024  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.740  | 152  | 190533   | 20.000 | ng/ul  | -0.01    |
| 20) Naphthalene-d8            | 10.516 | 136  | 792809   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.375 | 164  | 521022   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.192 | 188  | 1040091  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.651 | 240  | 644461   | 20.000 | ng/ul  | 0.01     |
| 88) Perylene-d12              | 25.021 | 264  | 747173   | 20.000 | ng/ul  | 0.02     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.275  | 96   | 15395    | 3.470  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.693  | 84   | 36881    | 2.852  | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.922  | 99   | 287950   | 18.426 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.087  | 67   | 198746   | 20.061 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.281  | 132  | 259767   | 20.339 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.440  | 113  | 121390   | 9.564  | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.899  | 128  | 133717   | 22.845 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.610  | 143  | 149855   | 25.583 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.140 | 165  | 248096   | 20.562 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.657 | 131  | 106484m  | 6.297  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.781 | 166  | 894341   | 24.688 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.063 | 160  | 1014976  | 23.480 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.592 | 143  | 83957    | 15.168 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.387 | 176  | 768256   | 25.202 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.510 | 200  | 110376   | 21.058 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.286 | 188  | 1017722  | 21.802 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.680 | 212  | 940624   | 24.295 | ng/ul  | 0.01     |
| 92) Benzo(a)pyrene-d12        | 24.798 | 264  | 542923   | 14.938 | ng/ul  | 0.04     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.228 | 178  | 290179   | 5.328  | ng/ul  | 98       |
| 80) Fluoranthene              | 19.322 | 202  | 576371   | 12.187 | ng/ul  | 99       |
| 82) Pyrene                    | 19.704 | 202  | 378108   | 7.796  | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.633 | 228  | 202304   | 4.479  | ng/ul  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.574 | 149  | 54434    | 1.947  | ng/ul# | 96       |
| 87) Chrysene                  | 21.704 | 228  | 231123   | 5.413  | ng/ul  | 97       |
| 90) Benzo(b)fluoranthene      | 23.963 | 252  | 304172   | 6.720  | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 24.027 | 252  | 104753m  | 2.288  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.863 | 252  | 103271   | 2.417  | ng/ul# | 92       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.833 | 276  | 112631m  | 2.055  | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.933 | 278  | 48977m   | 1.087  | ng/ul  |          |
| -----                         |        |      |          |        |        |          |

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

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