

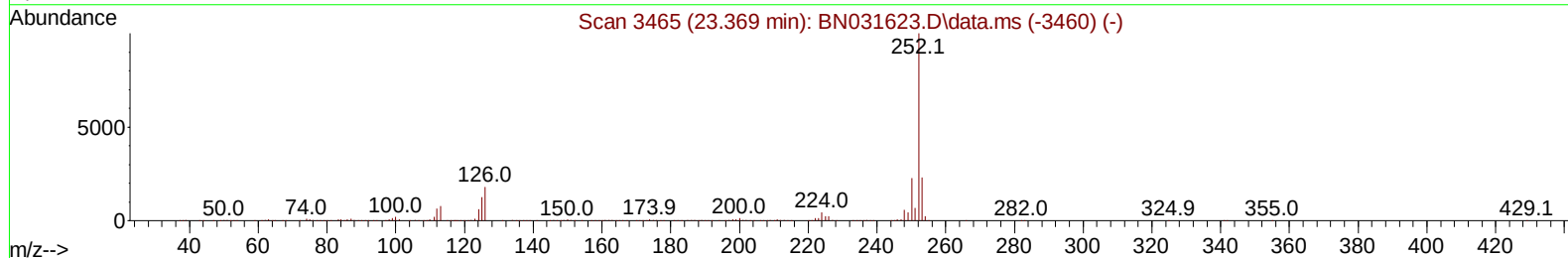
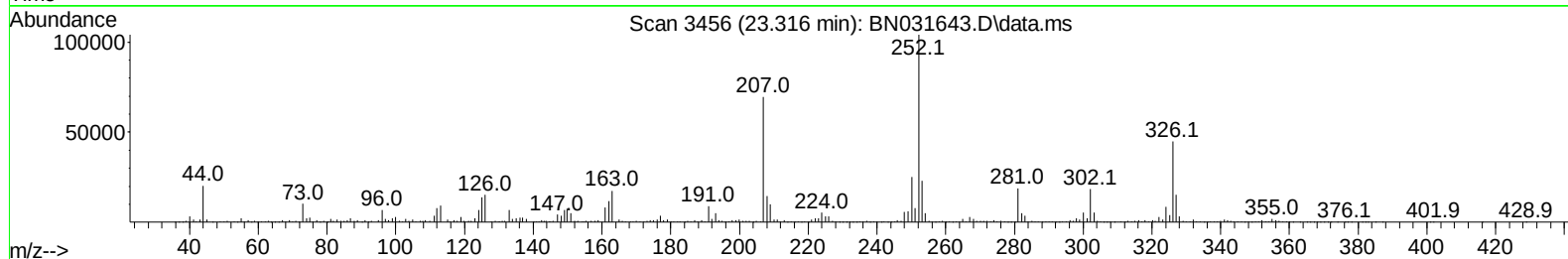
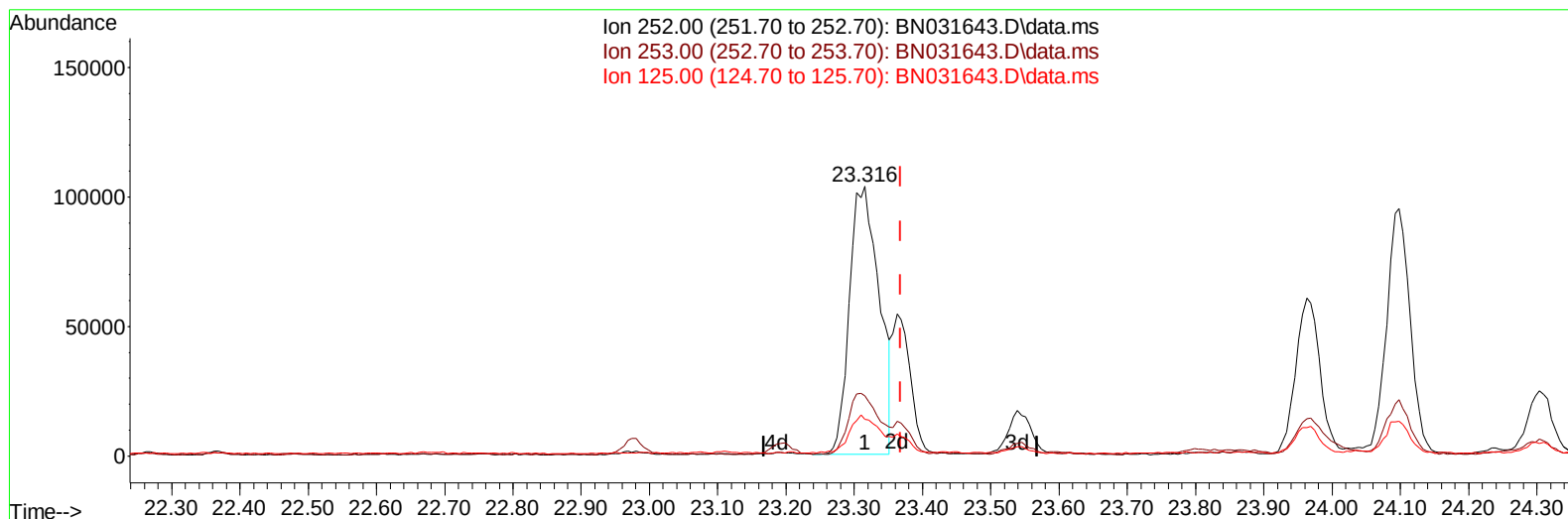
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052324\  
Data File : BN031643.D  
Acq On : 23 May 2024 22:11  
Operator : MA/JU  
Sample : P2547-14  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BH5X1

Manual IntegrationsAPPROVED

Quant Time: May 23 22:54:12 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue May 21 23:42:49 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 05/24/2024  
Supervised By :mohammad ahmed 05/25/2024



TIC: BN031643.D\data.ms

(91) Benzo(k)fluoranthene

23.316min (-0.053) 3.13 ng/u1

response 314426

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.70  | 22.31  |
| 125.00 | 11.60  | 13.50  |
| 0.00   | 0.00   | 0.00   |

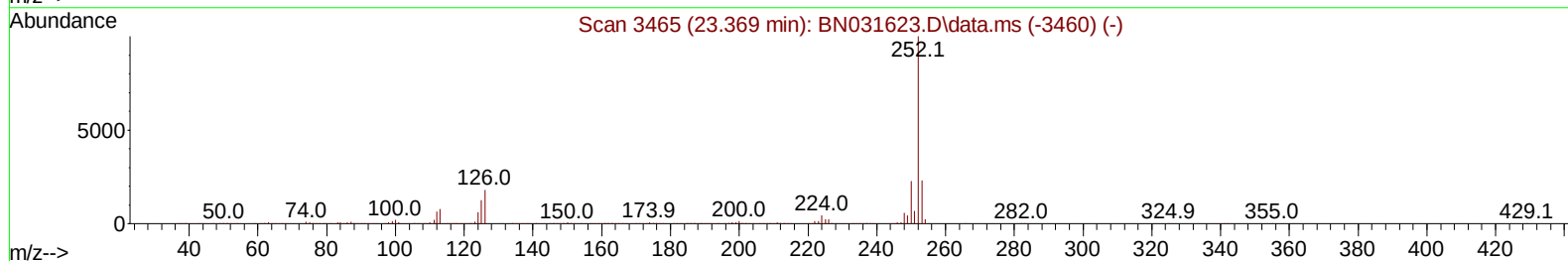
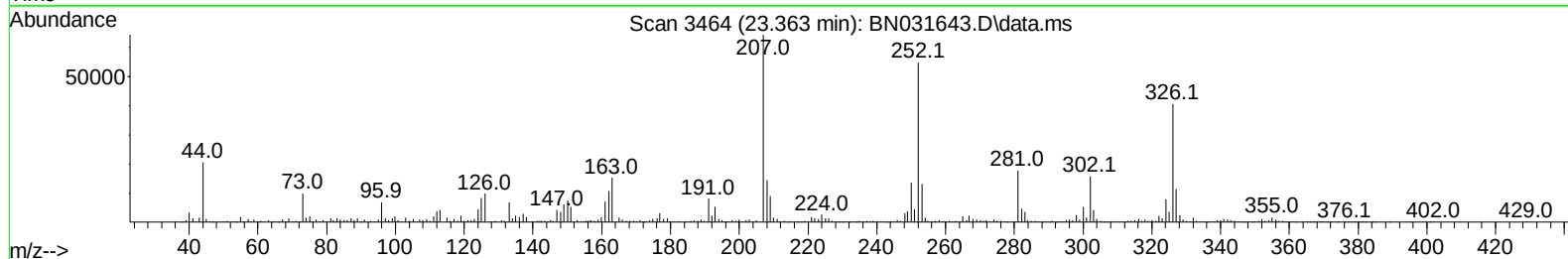
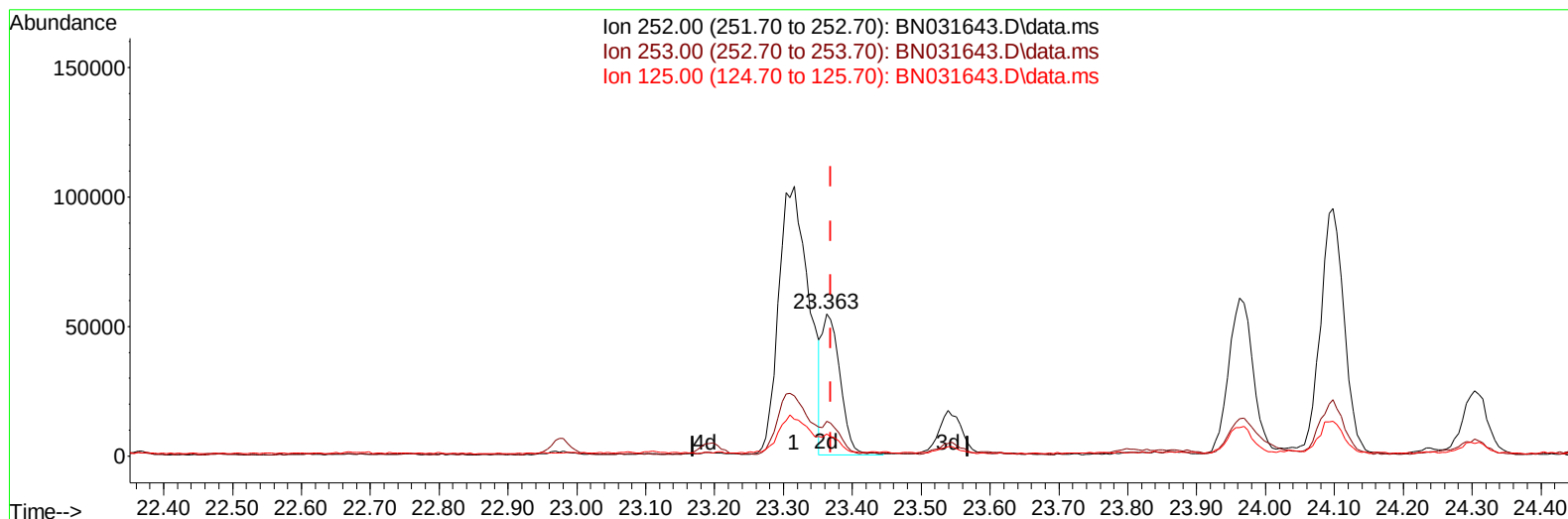
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052324\  
Data File : BN031643.D  
Acq On : 23 May 2024 22:11  
Operator : MA/JU  
Sample : P2547-14  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BH5X1

Manual IntegrationsAPPROVED

Quant Time: May 23 22:54:12 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue May 21 23:42:49 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 05/24/2024  
Supervised By :mohammad ahmed 05/25/2024



TIC: BN031643.D\data.ms

(91) Benzo(k)fluoranthene

23.363min (-0.006) 1.00 ng/ul m

response 100069

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.70  | 24.21  |
| 125.00 | 11.60  | 15.49# |
| 0.00   | 0.00   | 0.00   |

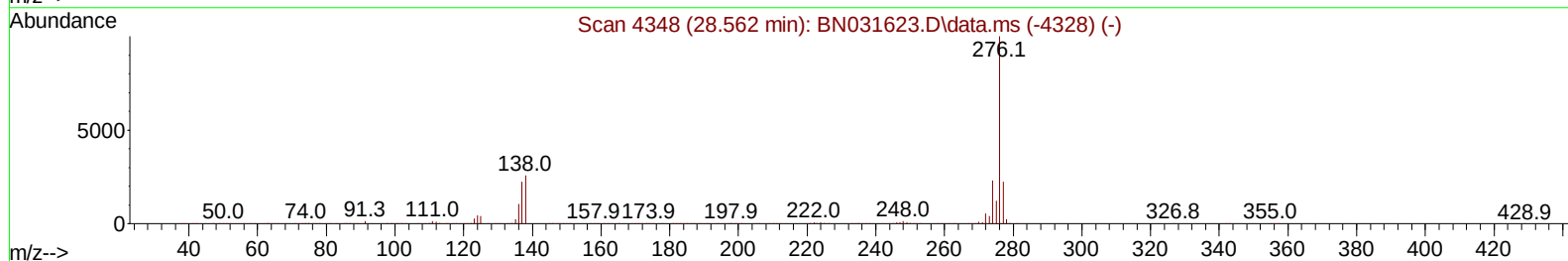
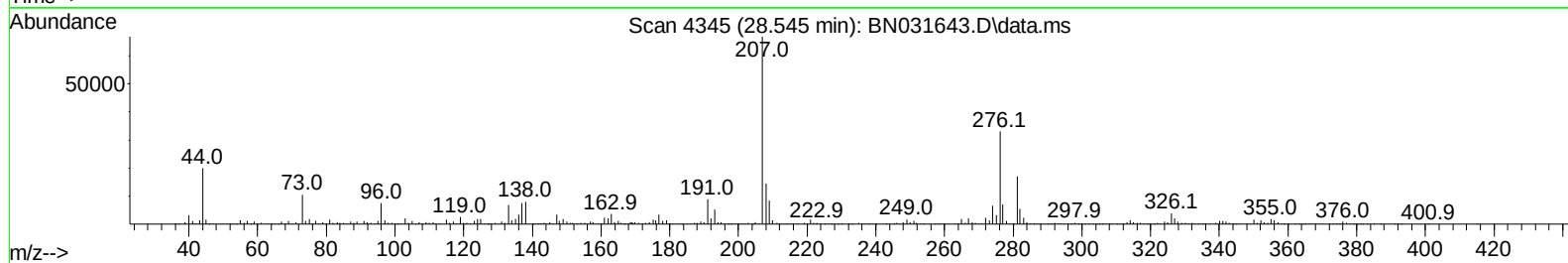
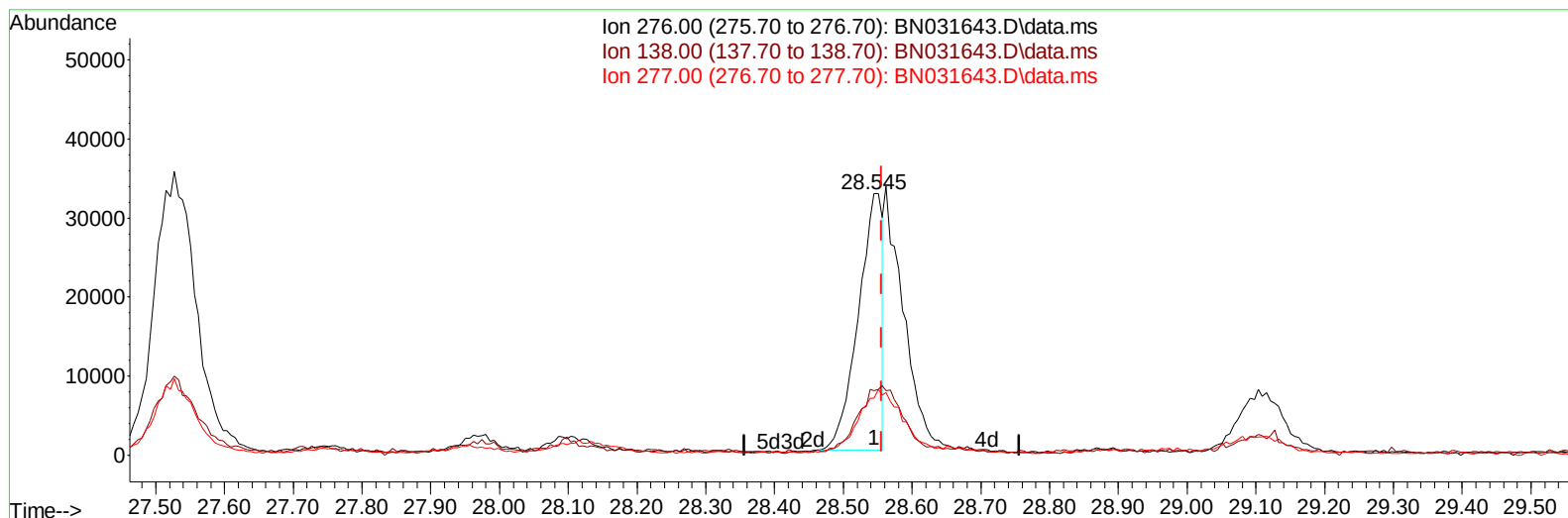
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052324\  
Data File : BN031643.D  
Acq On : 23 May 2024 22:11  
Operator : MA/JU  
Sample : P2547-14  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BH5X1

Manual IntegrationsAPPROVED

Quant Time: May 23 23:52:14 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue May 21 23:42:49 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 05/24/2024  
Supervised By :mohammad ahmed 05/25/2024



TIC: BN031643.D\data.ms

(96) Benzo(g,h,i)perylene

28.545min (-0.012) 0.85 ng/u1

response 79407

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 24.40  | 24.62  |
| 277.00 | 22.00  | 21.79  |
| 0.00   | 0.00   | 0.00   |

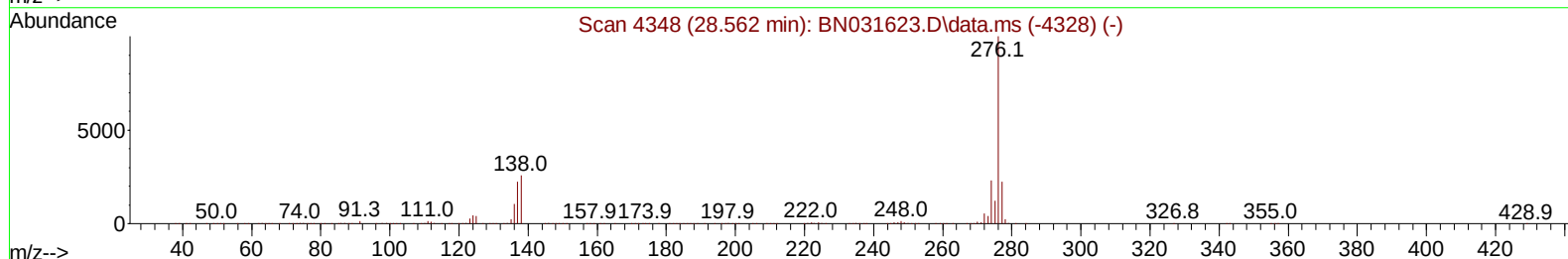
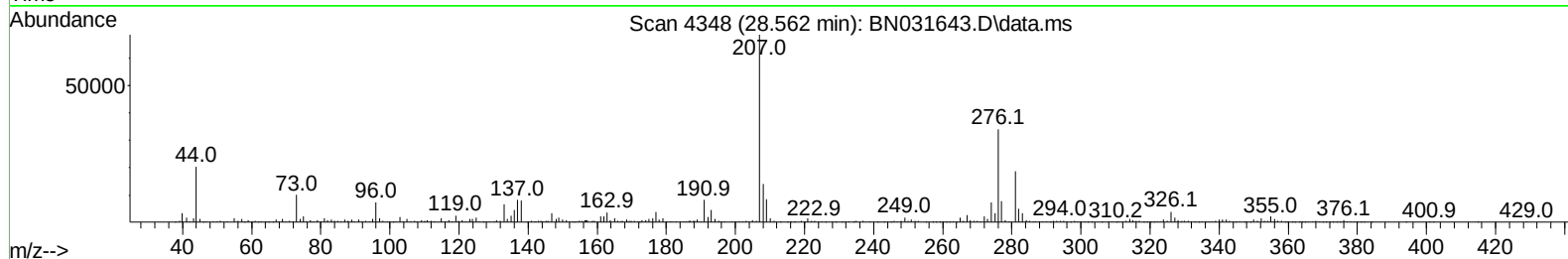
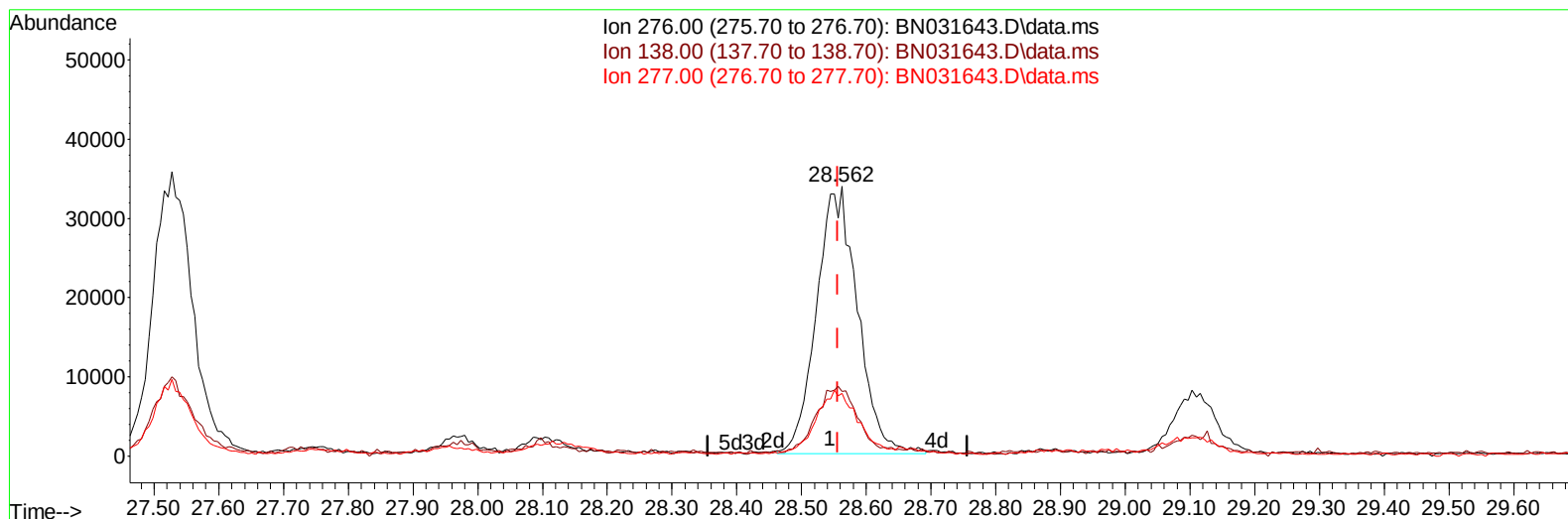
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052324\  
 Data File : BN031643.D  
 Acq On : 23 May 2024 22:11  
 Operator : MA/JU  
 Sample : P2547-14  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BH5X1

Manual IntegrationsAPPROVED

Quant Time: May 23 23:52:14 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 21 23:42:49 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 05/24/2024  
 Supervised By :mohammad ahmed 05/25/2024



TIC: BN031643.D\data.ms

(96) Benzo(g,h,i)perylene

28.562min (+ 0.006) 1.58 ng/ul m

response 147917

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 24.40  | 23.85  |
| 277.00 | 22.00  | 23.20  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052324\  
 Data File : BN031643.D  
 Acq On : 23 May 2024 22:11  
 Operator : MA/JU  
 Sample : P2547-14  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BH5X1

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/24/2024  
 Supervised By :mohammad ahmed 05/25/2024

Quant Time: May 23 23:53:00 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 21 23:42:49 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.693  | 152  | 496080   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.475 | 136  | 1983920  | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.328 | 164  | 1025421  | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.075 | 188  | 1644008  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.304 | 240  | 1370633  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.233 | 264  | 1688227  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.205  | 96   | 46947    | 3.751  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.605  | 84   | 668875   | 19.151 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.852  | 99   | 893379   | 21.877 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.028  | 67   | 523601   | 21.378 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.222  | 132  | 703662   | 22.362 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.387  | 113  | 663014   | 20.973 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.846  | 128  | 322565   | 21.483 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.557  | 143  | 314105   | 21.907 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.093 | 165  | 582935   | 20.794 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.610 | 131  | 887229   | 21.955 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.745 | 166  | 1564696  | 24.213 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.022 | 160  | 1890814  | 23.345 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.522 | 143  | 200065   | 16.362 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.322 | 176  | 1271223  | 22.699 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.439 | 200  | 97927    | 13.777 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.169 | 188  | 1654811  | 23.778 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.463 | 212  | 1778637  | 20.688 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.033 | 264  | 1959710  | 24.661 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.116 | 178  | 516009   | 6.185  | ng/ul  | 99       |
| 74) Anthracene                | 17.204 | 178  | 92999    | 1.111  | ng/ul  | 98       |
| 80) Fluoranthene              | 19.133 | 202  | 594504   | 5.594  | ng/ul  | 100      |
| 82) Pyrene                    | 19.492 | 202  | 505457   | 4.638  | ng/ul  | 96       |
| 85) Benzo(a)anthracene        | 21.280 | 228  | 253931   | 2.755  | ng/ul  | 99       |
| 87) Chrysene                  | 21.345 | 228  | 239406   | 2.812  | ng/ul  | 96       |
| 90) Benzo(b)fluoranthene      | 23.316 | 252  | 314426   | 3.192  | ng/ul  | 96       |
| 93) Benzo(a)pyrene            | 24.098 | 252  | 227888   | 2.408  | ng/ul  | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.527 | 276  | 150362   | 1.324  | ng/ul  | 93       |
| 96) Benzo(g,h,i)perylene      | 28.562 | 276  | 147917m  | 1.576  | ng/ul  |          |
| -----                         |        |      |          |        |        |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052324\  
 Data File : BN031643.D  
 Acq On : 23 May 2024 22:11  
 Operator : MA/JU  
 Sample : P2547-14  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BH5X1

Manual IntegrationsAPPROVED

Quant Time: May 23 23:53:00 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 21 23:42:49 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 05/24/2024  
 Supervised By :mohammad ahmed 05/25/2024

