

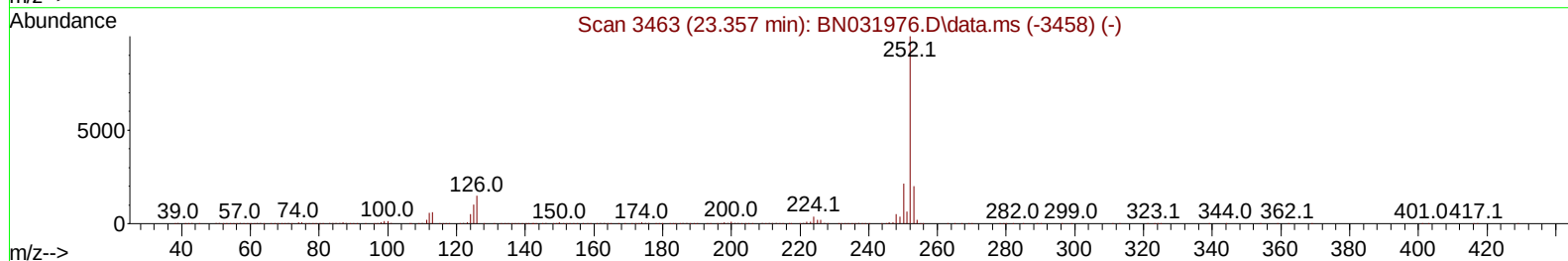
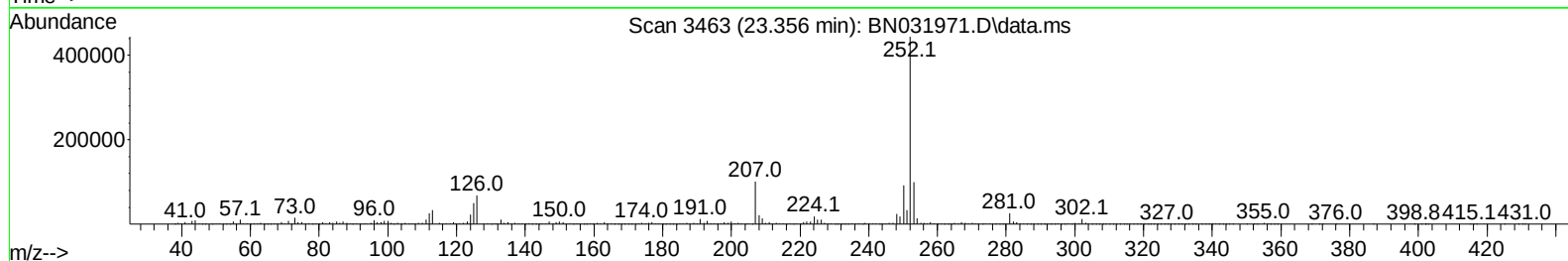
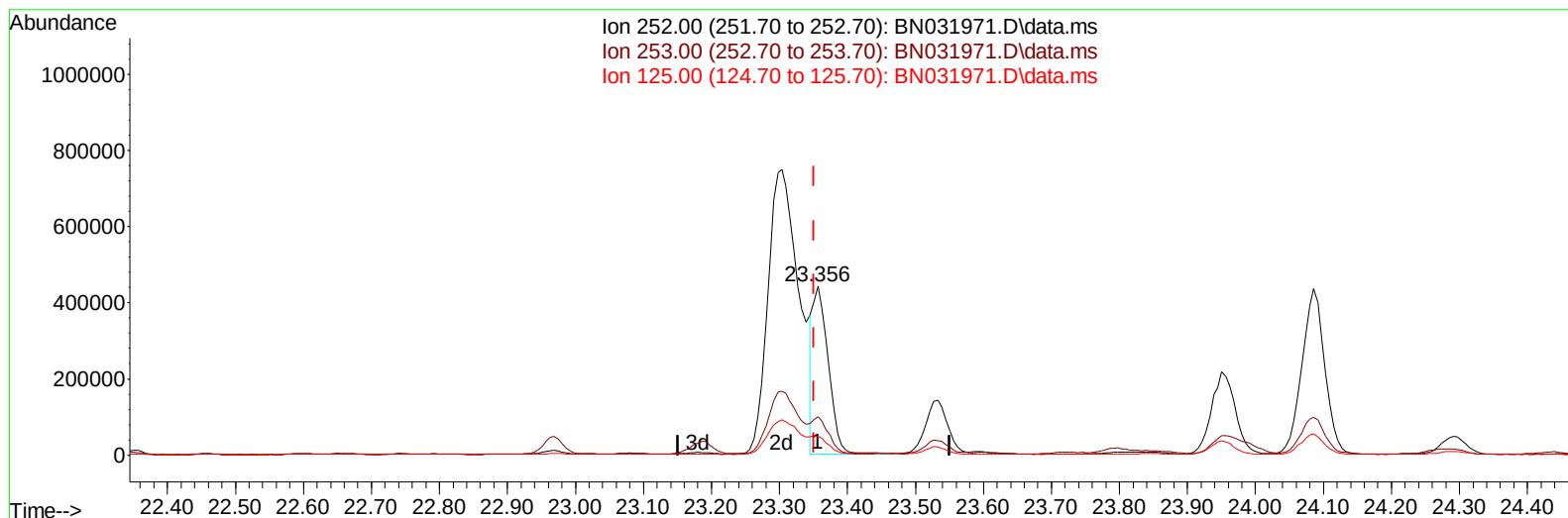
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061224\  
 Data File : BN031971.D  
 Acq On : 13 Jun 2024 11:01  
 Operator : MA/JU  
 Sample : P2659-02DL 5X  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BHC25DL

Manual IntegrationsAPPROVED

Quant Time: Jun 13 11:29:54 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jun 11 22:28:10 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/14/2024  
 Supervised By :mohammad ahmed 06/14/2024



TIC: BN031971.D\data.ms

**(91) Benzo(k)fluoranthene**

**23.356min (+ 0.006) 8.19 ng/u1**

**response 686168**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.00  | 22.57  |
| 125.00 | 11.80  | 11.27  |
| 0.00   | 0.00   | 0.00   |

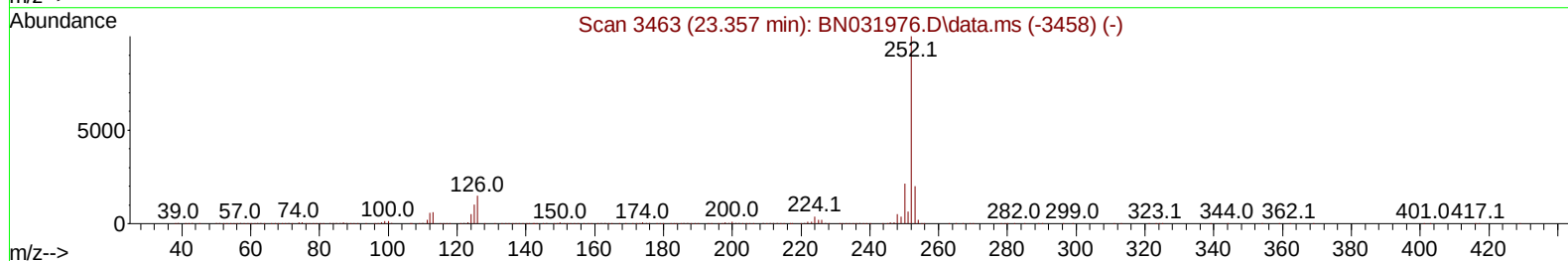
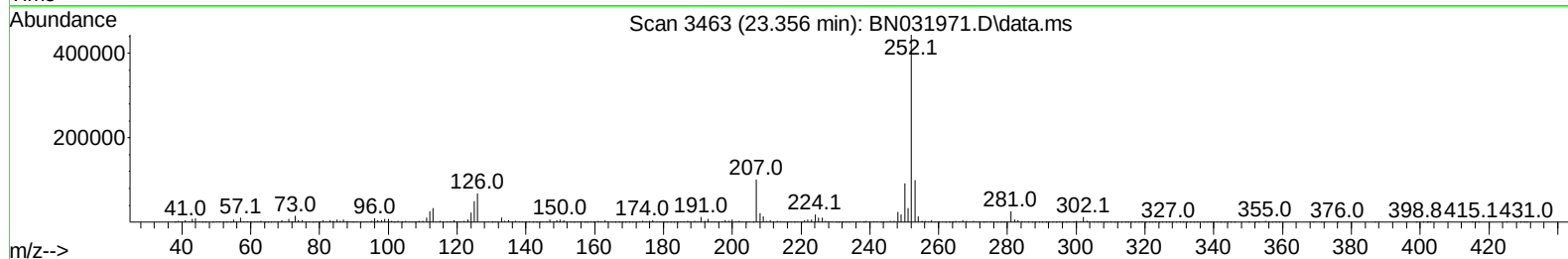
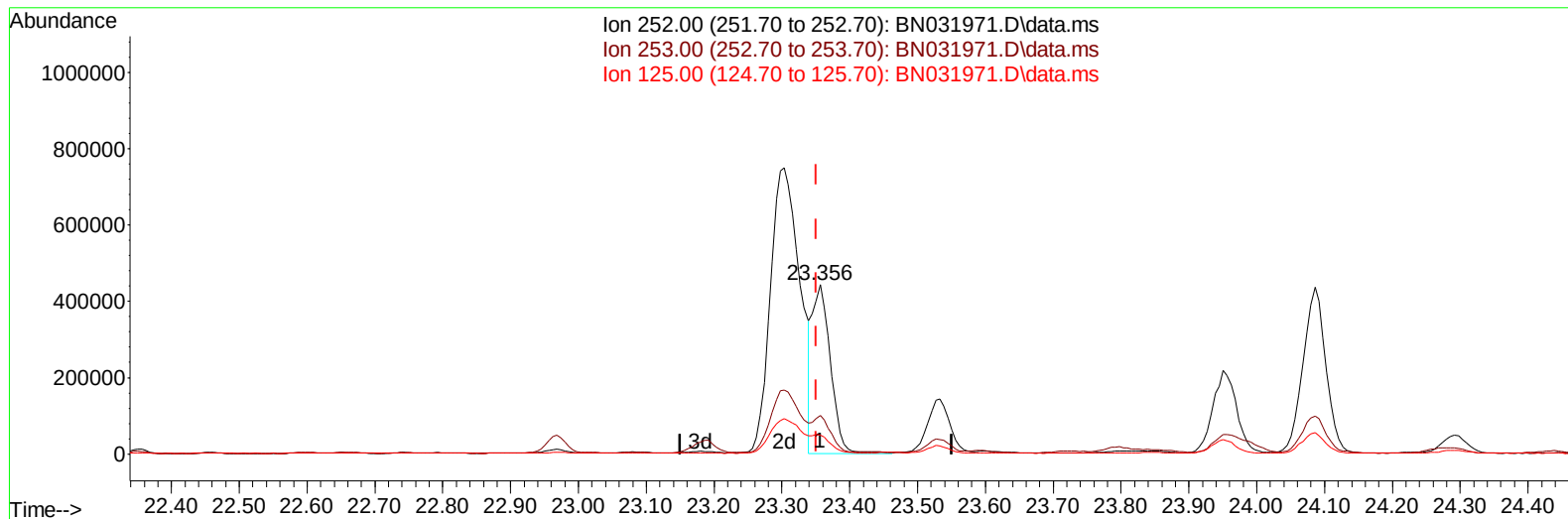
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061224\  
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ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_N  
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BHC25DL

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 06/14/2024



TIC: BN031971.D\data.ms

(91) Benzo(k)fluoranthene

23.356min (+ 0.006) 9.91 ng/u1 m

response 829744

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.00  | 22.57  |
| 125.00 | 11.80  | 11.27  |
| 0.00   | 0.00   | 0.00   |

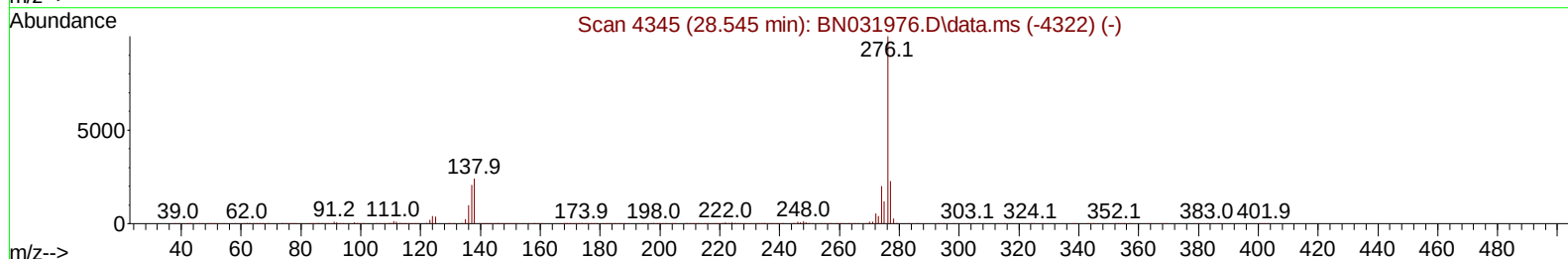
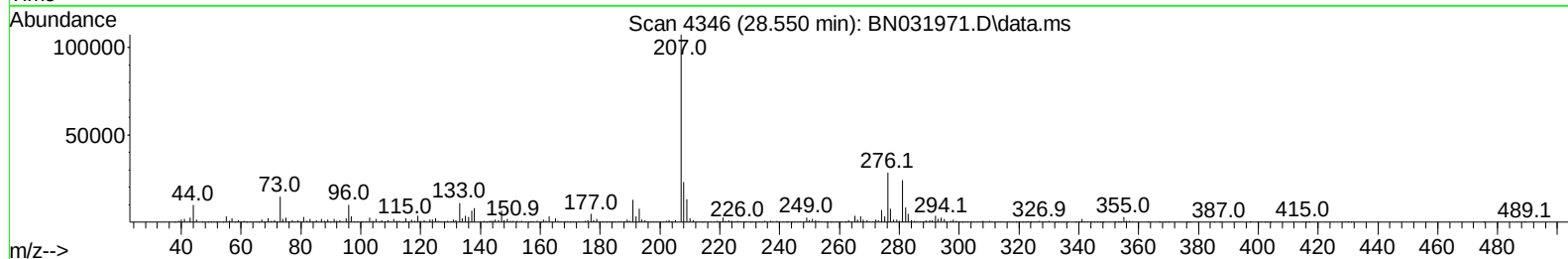
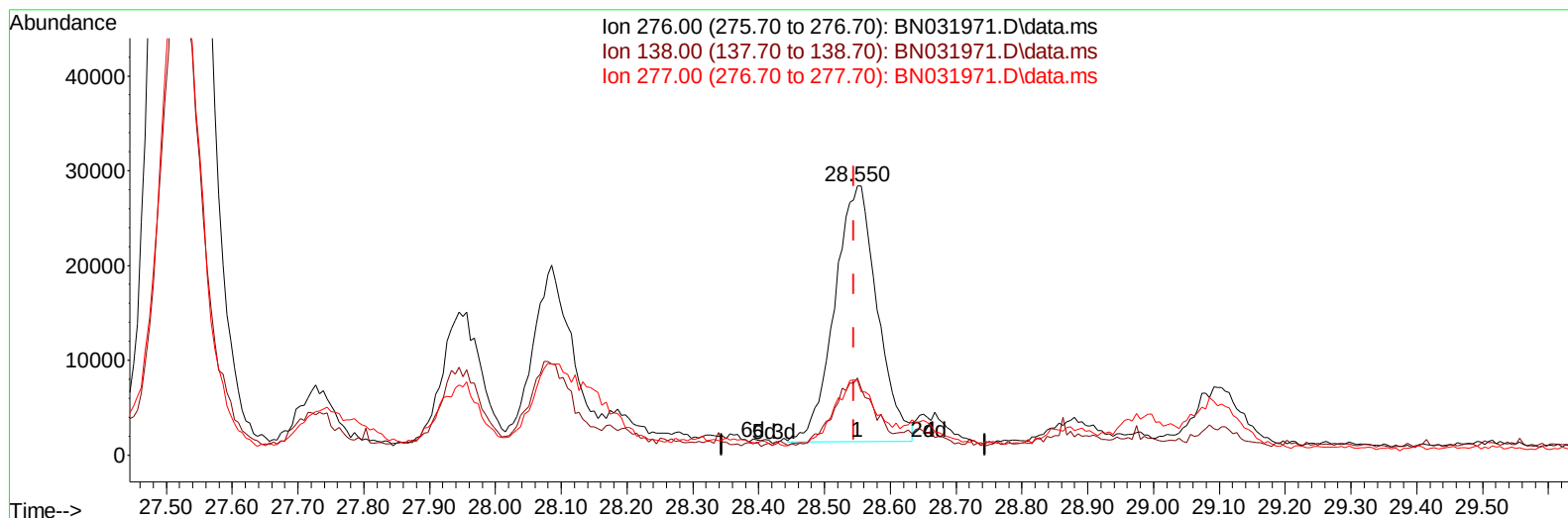
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061224\  
Data File : BN031971.D  
Acq On : 13 Jun 2024 11:01  
Operator : MA/JU  
Sample : P2659-02DL 5X  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BHC25DL

Manual IntegrationsAPPROVED

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TIC: BN031971.D\data.ms

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

**28.550min (+ 0.006) 1.66 ng/u1**

**response 121718**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 26.10  | 28.77  |
| 277.00 | 22.50  | 27.65# |
| 0.00   | 0.00   | 0.00   |

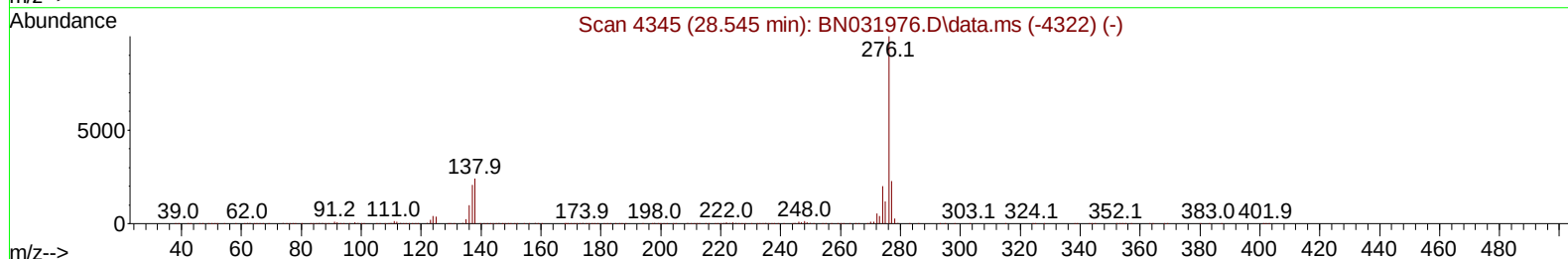
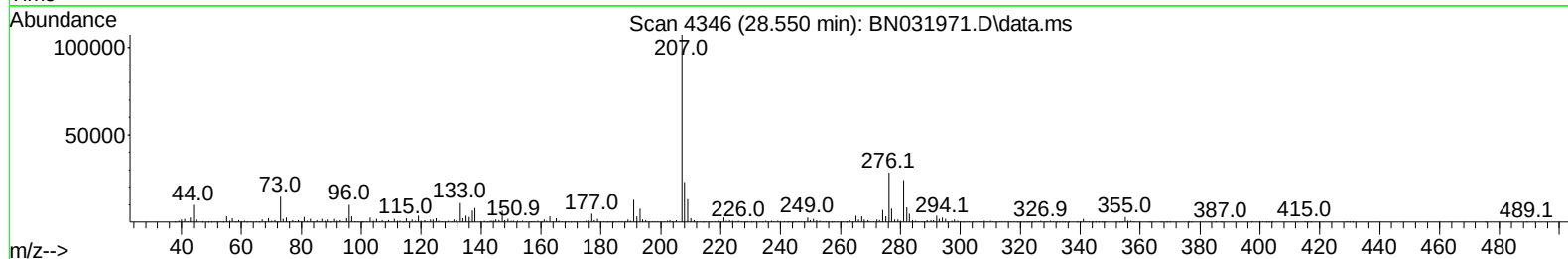
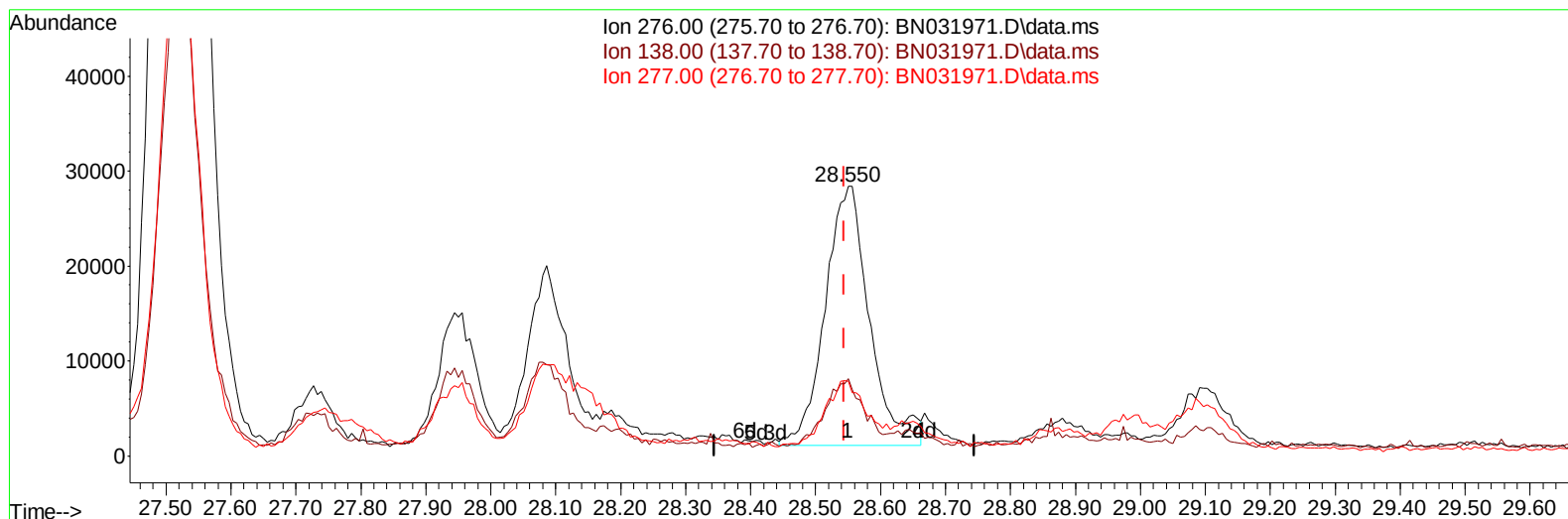
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061224\  
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Sample : P2659-02DL 5X  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BHC25DL

Manual IntegrationsAPPROVED

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TIC: BN031971.D\data.ms

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

28.550min (+ 0.006) 1.78 ng/ul m

response 130411

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 26.10  | 28.77  |
| 277.00 | 22.50  | 27.65# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061224\  
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 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_N  
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 BHC25DL

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 06/14/2024  
 Supervised By :mohammad ahmed 06/14/2024

Quant Time: Jun 13 23:30:01 2024  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jun 11 22:28:10 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.657  | 152  | 350338   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.439 | 136  | 1333733  | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.304 | 164  | 727310   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.051 | 188  | 1292794  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.292 | 240  | 1137370  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.227 | 264  | 1427885  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.181  | 96   | 9945     | 1.174  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.593  | 84   | 56734    | 2.380  | ng/ul  | 0.01     |
| 7) Phenol-d5                  | 6.834  | 99   | 176856   | 5.889  | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.998  | 67   | 110165   | 6.271  | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.193  | 132  | 151239   | 6.600  | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.369  | 113  | 125467   | 5.125  | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.816  | 128  | 69008    | 6.767  | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.534  | 143  | 68636    | 6.516  | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.069 | 165  | 117281   | 5.964  | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.592 | 131  | 68180    | 2.335  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.716 | 166  | 343230   | 6.774  | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 13.992 | 160  | 401813   | 6.897  | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.533 | 143  | 35476    | 3.497  | ng/ul  | 0.01     |
| 60) Fluorene-d10              | 15.298 | 176  | 286642   | 6.686  | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.433 | 200  | 16213    | 2.495  | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.151 | 188  | 407882   | 7.369  | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.457 | 212  | 397892   | 6.537  | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.021 | 264  | 340469   | 4.994  | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 50) Acenaphthylene            | 14.022 | 152  | 309584   | 4.702  | ng/ul  | 98       |
| 61) Fluorene                  | 15.357 | 166  | 81241    | 1.704  | ng/ul  | 96       |
| 72) Phenanthrene              | 17.098 | 178  | 1694219  | 25.726 | ng/ul  | 100      |
| 74) Anthracene                | 17.186 | 178  | 389934   | 5.843  | ng/ul  | 97       |
| 77) Carbazole                 | 17.463 | 167  | 134175   | 2.358  | ng/ul  | 100      |
| 80) Fluoranthene              | 19.121 | 202  | 3275569  | 45.033 | ng/ul  | 97       |
| 82) Pyrene                    | 19.480 | 202  | 2541322  | 34.053 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.274 | 228  | 1565849  | 20.568 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.198 | 149  | 134817   | 2.624  | ng/ul  | 99       |
| 87) Chrysene                  | 21.339 | 228  | 1656214  | 23.291 | ng/ul  | 97       |
| 90) Benzo(b)fluoranthene      | 23.303 | 252  | 2250018  | 26.363 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.356 | 252  | 829744m  | 9.907  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.086 | 252  | 1009423  | 12.628 | ng/ul  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.521 | 276  | 908766   | 9.866  | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 27.556 | 278  | 287936   | 3.829  | ng/ul# | 91       |
| 96) Benzo(g,h,i)perylene      | 28.550 | 276  | 130411m  | 1.781  | ng/ul  |          |
| -----                         |        |      |          |        |        |          |

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

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