

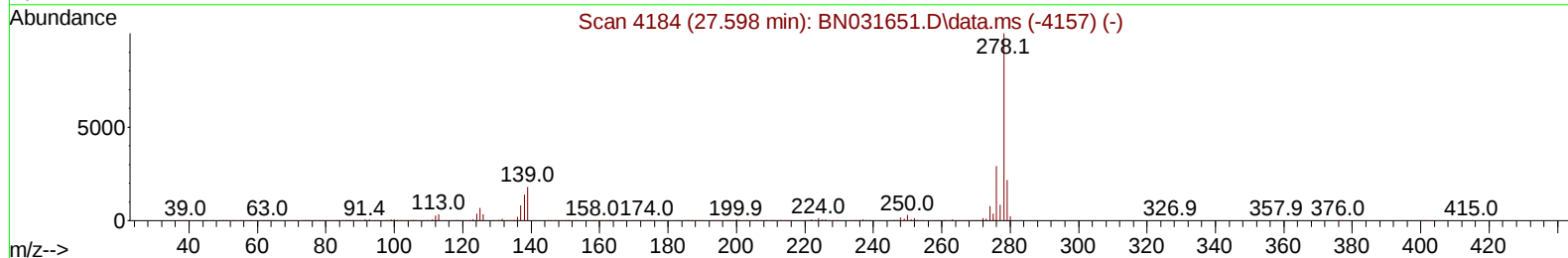
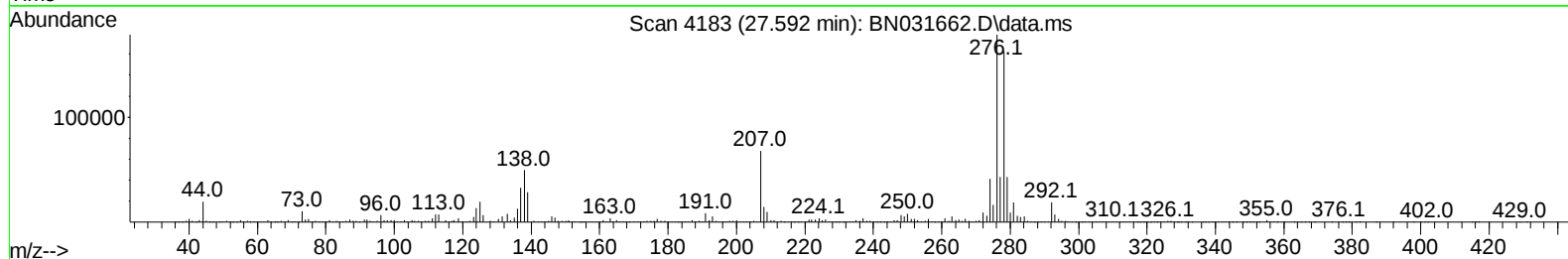
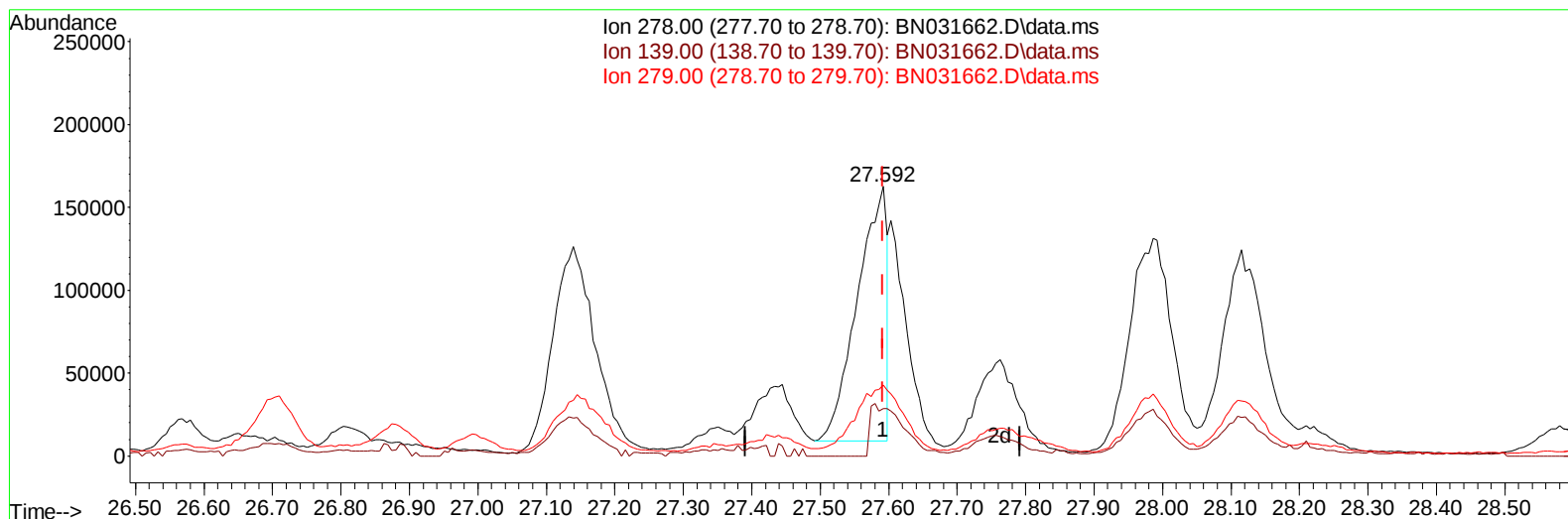
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052424\  
Data File : BN031662.D  
Acq On : 24 May 2024 15:39  
Operator : MA/JU  
Sample : P2548-02  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BH5X9

Manual IntegrationsAPPROVED

Quant Time: May 24 22:43:17 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 05/25/2024  
Supervised By :mohammad ahmed 05/27/2024



TIC: BN031662.D\data.ms

**(95) Dibenzo(a,h)anthracene**

**27.592min (+ 0.000) 5.33 ng/u1**

**response 459764**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 19.00  | 17.55  |
| 279.00 | 23.00  | 26.38  |
| 0.00   | 0.00   | 0.00   |

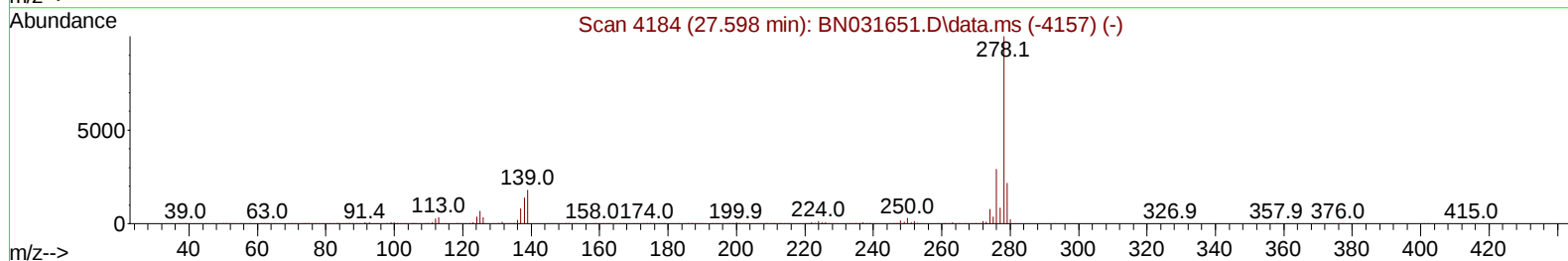
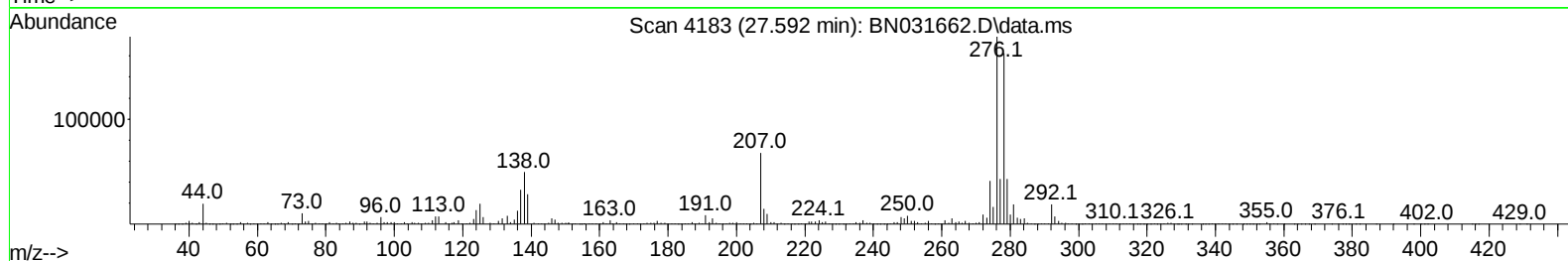
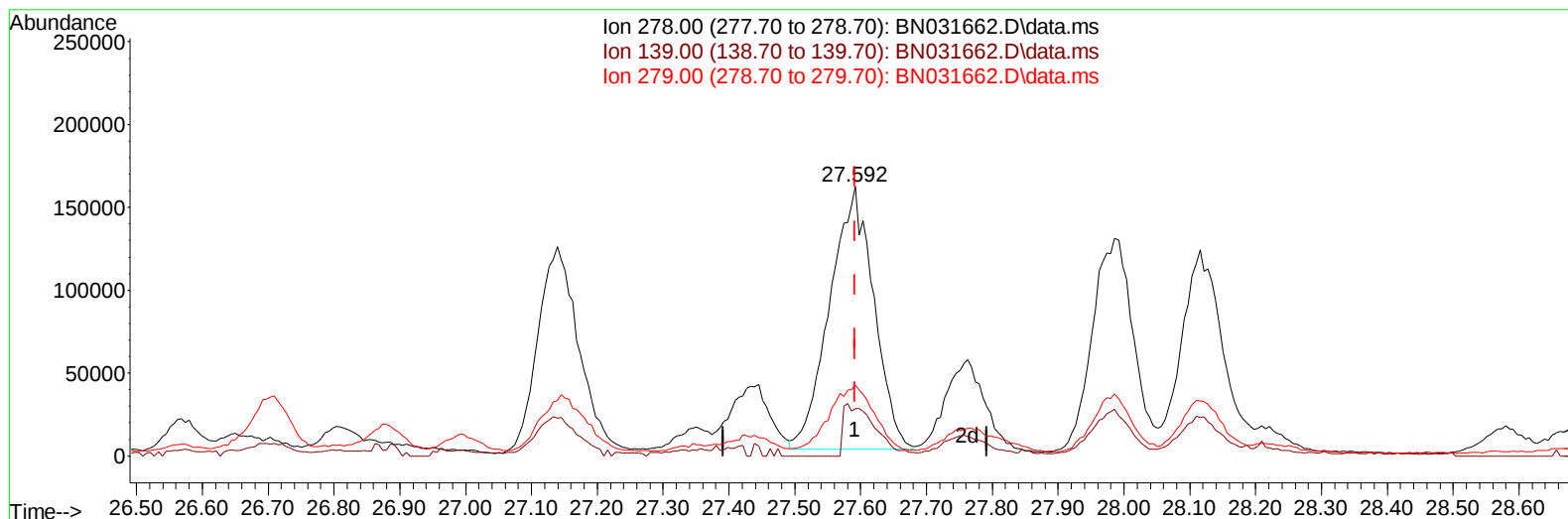
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Manual IntegrationsAPPROVED

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TIC: BN031662.D\data.ms

**(95) Dibenzo(a,h)anthracene**

27.592min (+ 0.000) 8.55 ng/ul m

response 738021

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 19.00  | 17.55  |
| 279.00 | 23.00  | 26.38  |
| 0.00   | 0.00   | 0.00   |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.687  | 152  | 488811   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.475 | 136  | 1984259  | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.328 | 164  | 1008998  | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.075 | 188  | 1571153  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.304 | 240  | 1236131  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.251 | 264  | 1557506  | 20.000 | ng/ul  | 0.02     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.199  | 96   | 23951    | 1.942  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.605  | 84   | 201593   | 5.858  | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.852  | 99   | 457754   | 11.376 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.028  | 67   | 286218   | 11.860 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.222  | 132  | 374603   | 12.082 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.387  | 113  | 293915   | 9.435  | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.840  | 128  | 175931   | 11.715 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.557  | 143  | 162635   | 11.341 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.087 | 165  | 311611   | 11.114 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.610 | 131  | 240302   | 5.945  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.740 | 166  | 817461   | 12.856 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.016 | 160  | 1012476  | 12.704 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.522 | 143  | 71345    | 5.930  | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.322 | 176  | 653633   | 11.861 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.440 | 200  | 32899    | 4.843  | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.169 | 188  | 834428   | 12.546 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.469 | 212  | 881165   | 11.365 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.045 | 264  | 940310   | 12.826 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 30) Naphthalene               | 10.522 | 128  | 548767   | 5.374  | ng/ul  | 99       |
| 36) 2-Methylnaphthalene       | 12.140 | 142  | 152353   | 2.280  | ng/ul  | 100      |
| 37) 1-Methylnaphthalene       | 12.357 | 142  | 107413   | 1.624  | ng/ul# | 96       |
| 50) Acenaphthylene            | 14.046 | 152  | 138209   | 1.502  | ng/ul  | 98       |
| 52) Acenaphthene              | 14.387 | 153  | 490272   | 8.225  | ng/ul  | 91       |
| 56) Dibenzofuran              | 14.728 | 168  | 436548   | 5.486  | ng/ul  | 96       |
| 61) Fluorene                  | 15.375 | 166  | 476689   | 7.647  | ng/ul  | 97       |
| 72) Phenanthrene              | 17.116 | 178  | 6952003  | 87.188 | ng/ul  | 99       |
| 74) Anthracene                | 17.204 | 178  | 1432034  | 17.901 | ng/ul  | 99       |
| 77) Carbazole                 | 17.475 | 167  | 969317   | 14.199 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.133 | 202  | 8491652  | 88.602 | ng/ul  | 99       |
| 82) Pyrene                    | 19.498 | 202  | 7190074  | 73.154 | ng/ul  | 97       |
| 83) Butylbenzylphthalate      | 20.404 | 149  | 129551   | 3.884  | ng/ul  | 95       |
| 85) Benzo(a)anthracene        | 21.292 | 228  | 4192613  | 50.438 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.222 | 149  | 93156    | 2.040  | ng/ul  | 99       |
| 87) Chrysene                  | 21.351 | 228  | 4261145  | 55.496 | ng/ul  | 97       |
| 90) Benzo(b)fluoranthene      | 23.316 | 252  | 6222976  | 68.468 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.374 | 252  | 1323460  | 14.285 | ng/ul  | 96       |
| 93) Benzo(a)pyrene            | 24.110 | 252  | 3972718  | 45.503 | ng/ul  | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.545 | 276  | 2721818  | 25.976 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 27.592 | 278  | 738021m  | 8.553  | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 28.586 | 276  | 2536634  | 29.301 | ng/ul  | 98       |
| -----                         |        |      |          |        |        |          |

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| Compound | R.T. | Q | Ion | Response | Conc | Units | Dev | (Min) |
|----------|------|---|-----|----------|------|-------|-----|-------|
|----------|------|---|-----|----------|------|-------|-----|-------|

-----

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

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