

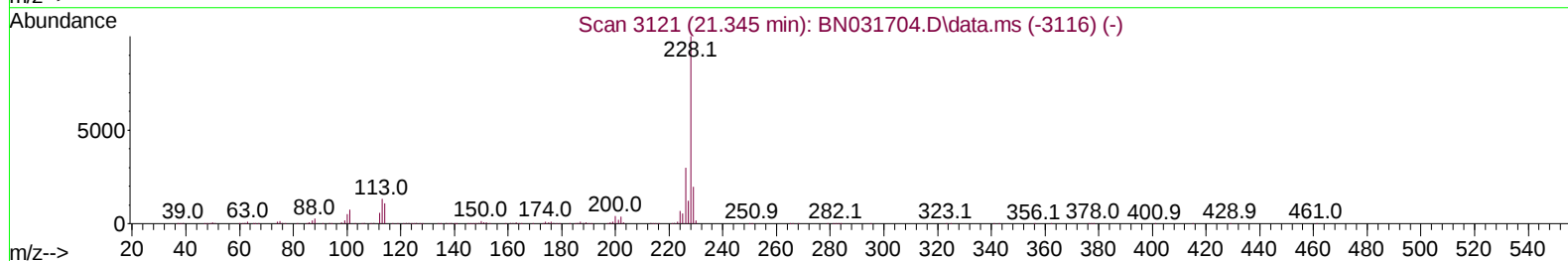
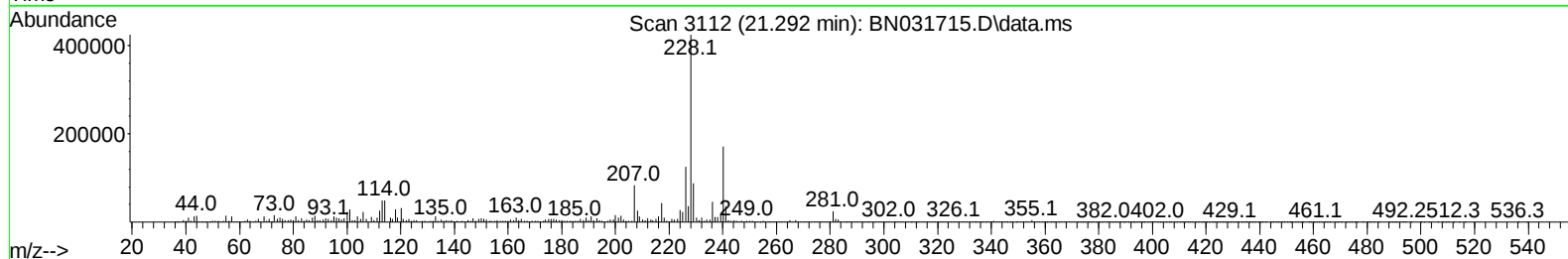
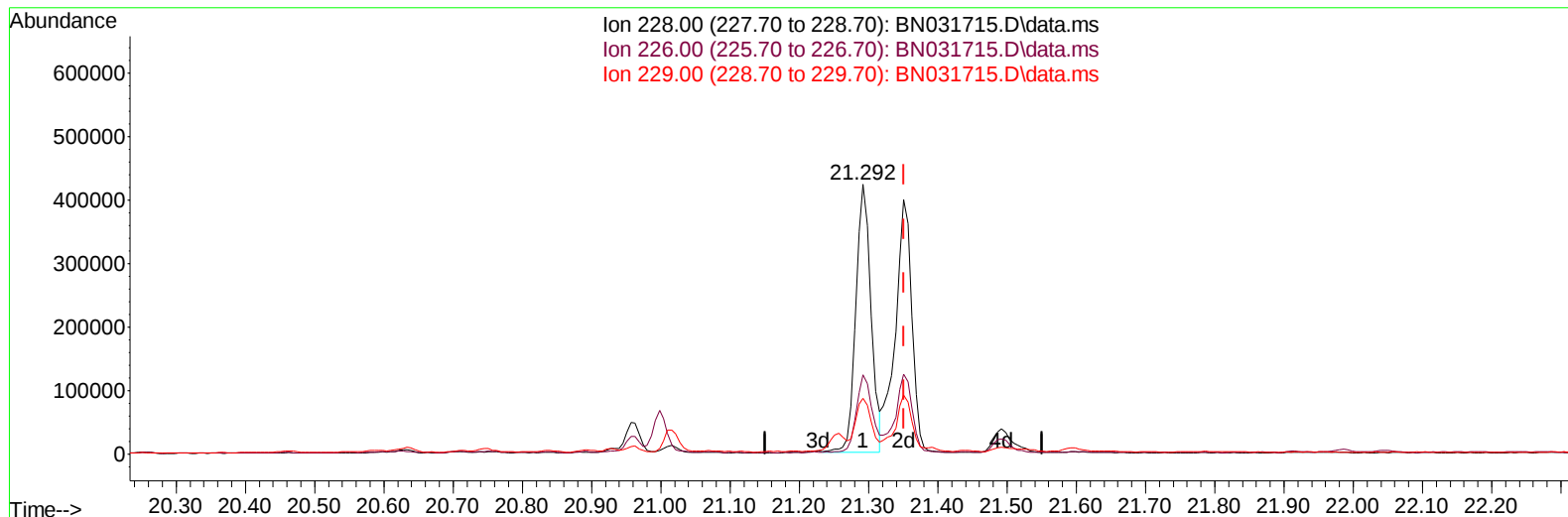
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052924\  
Data File : BN031715.D  
Acq On : 30 May 2024 09:43  
Operator : MA/JU  
Sample : P2569-22  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BH6A8

Manual IntegrationsAPPROVED

Quant Time: May 30 11:07:59 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed May 29 15:13:07 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/30/2024  
Supervised By :mohammad ahmed 05/31/2024



TIC: BN031715.D\data.ms

(87) Chrysene

21.292min (-0.059) 6.19 ng/u1

response 640194

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 29.60  | 29.39  |
| 229.00 | 18.90  | 20.57  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052924\  
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 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :

BNA\_N

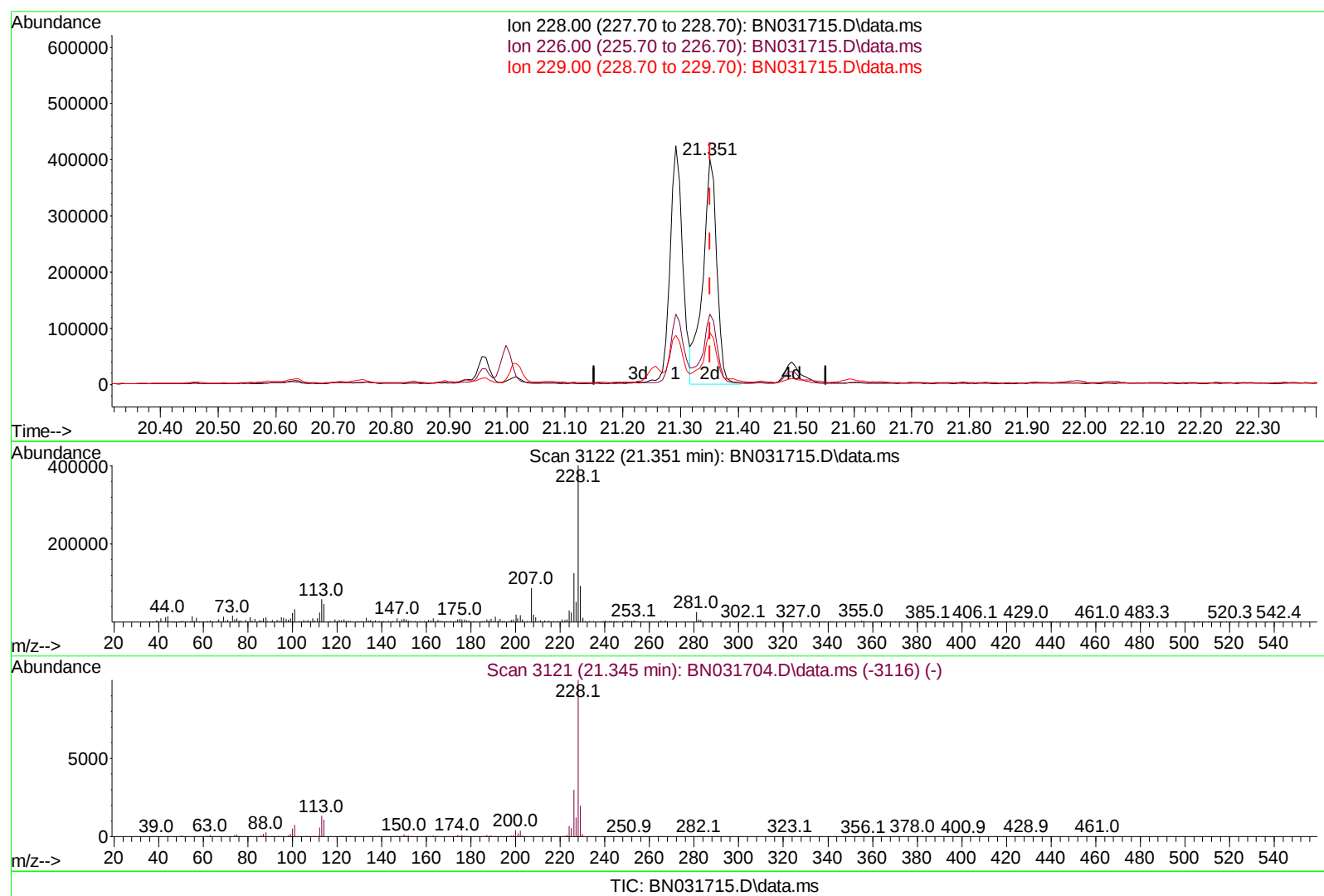
ClientSampleId :

BH6A8

Manual IntegrationsAPPROVED

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 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
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 Supervised By :mohammad ahmed 05/31/2024



## (87) Chrysene

21.351min (-0.000) 6.54 ng/ul m

response 676541

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 29.60  | 31.32  |
| 229.00 | 18.90  | 23.12# |
| 0.00   | 0.00   | 0.00   |



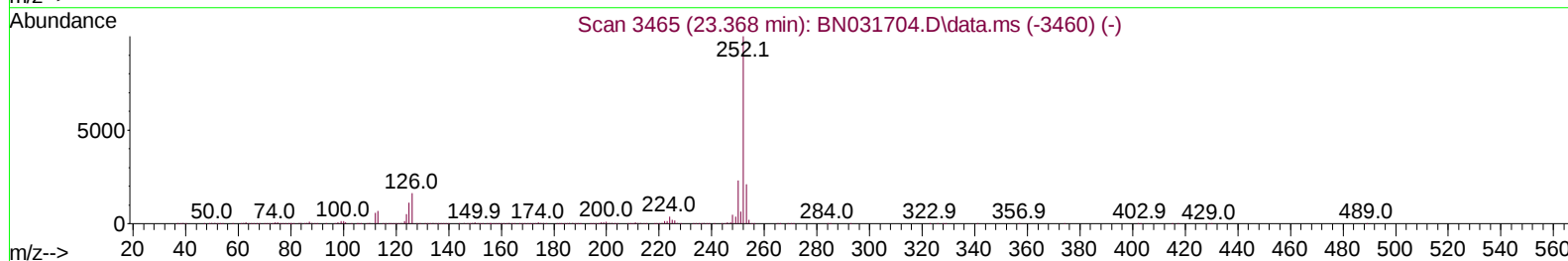
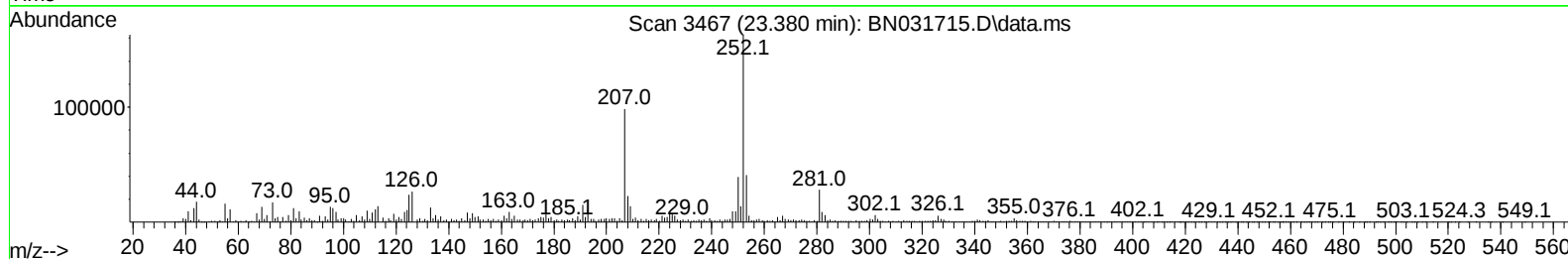
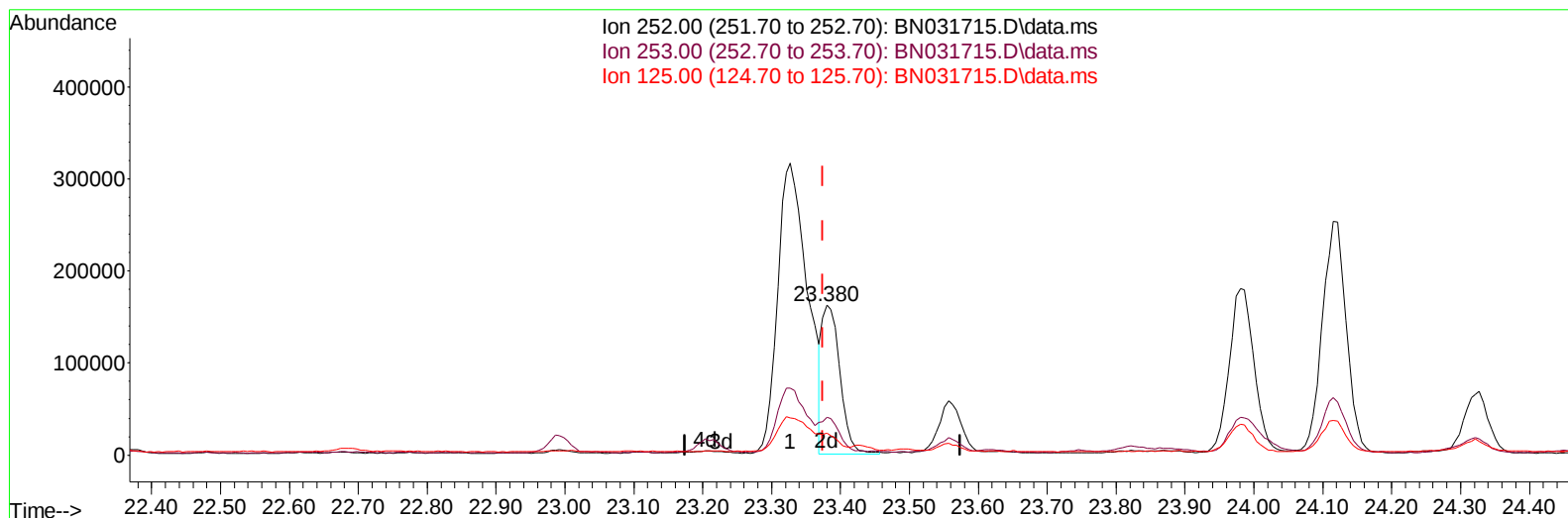
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052924\  
Data File : BN031715.D  
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Operator : MA/JU  
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Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BH6A8

Manual IntegrationsAPPROVED

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TIC: BN031715.D\data.ms

(91) Benzo(k)fluoranthene

23.380min (+ 0.006) 2.79 ng/u1 m

response 291361

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.00  | 25.24  |
| 125.00 | 11.80  | 14.67# |
| 0.00   | 0.00   | 0.00   |

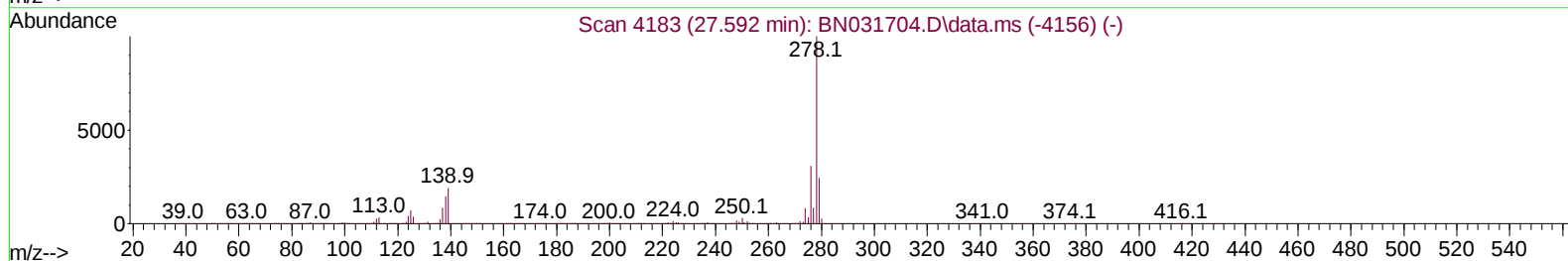
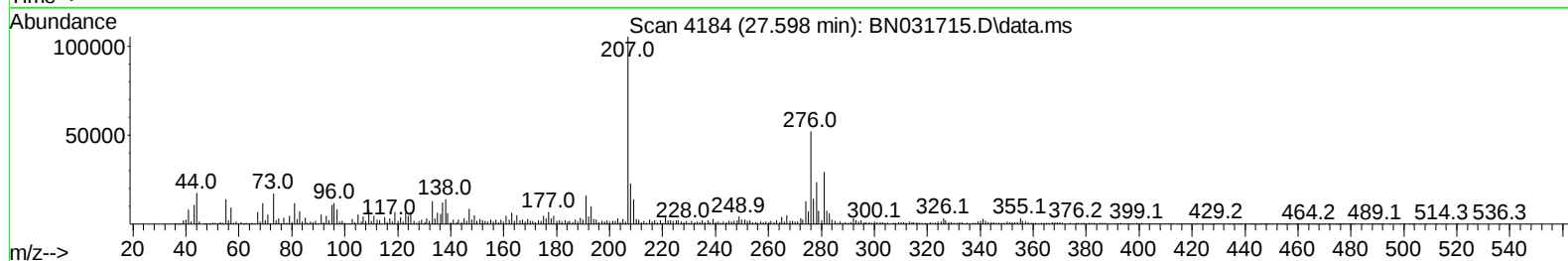
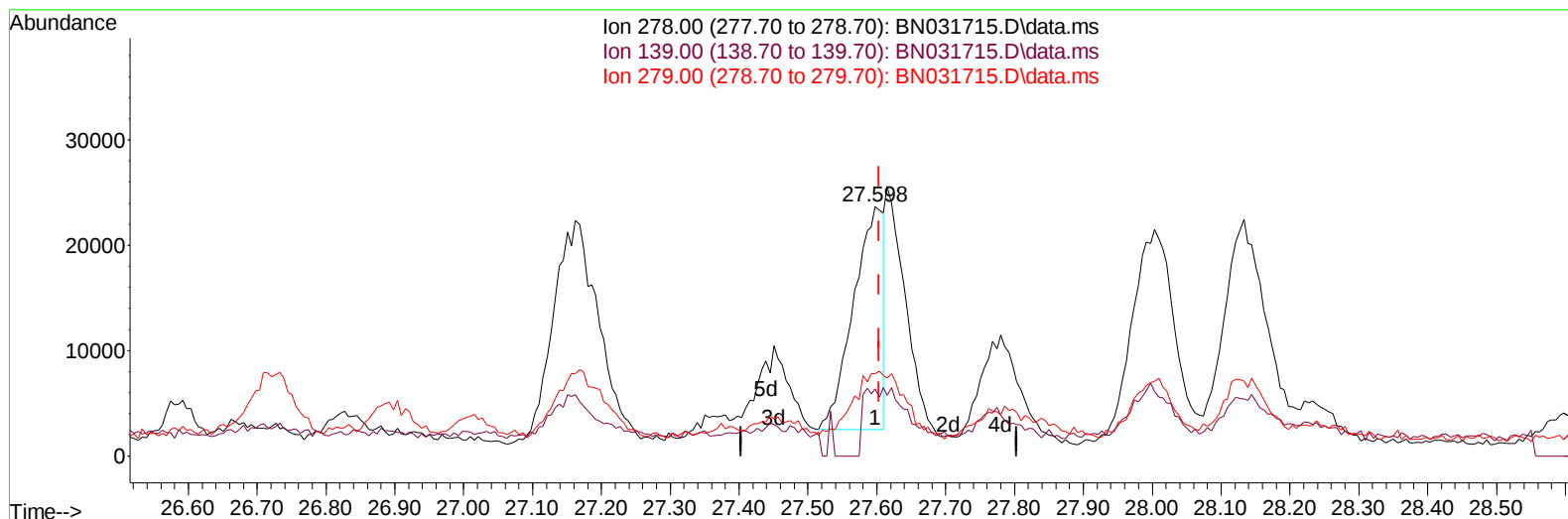
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052924\  
Data File : BN031715.D  
Acq On : 30 May 2024 09:43  
Operator : MA/JU  
Sample : P2569-22  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BH6A8

Manual IntegrationsAPPROVED

Quant Time: May 30 11:11:01 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed May 29 15:13:07 2024  
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TIC: BN031715.D\data.ms

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

27.598min (-0.006) 0.69 ng/u1

response 64381

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 18.80  | 26.92# |
| 279.00 | 21.70  | 32.91# |
| 0.00   | 0.00   | 0.00   |

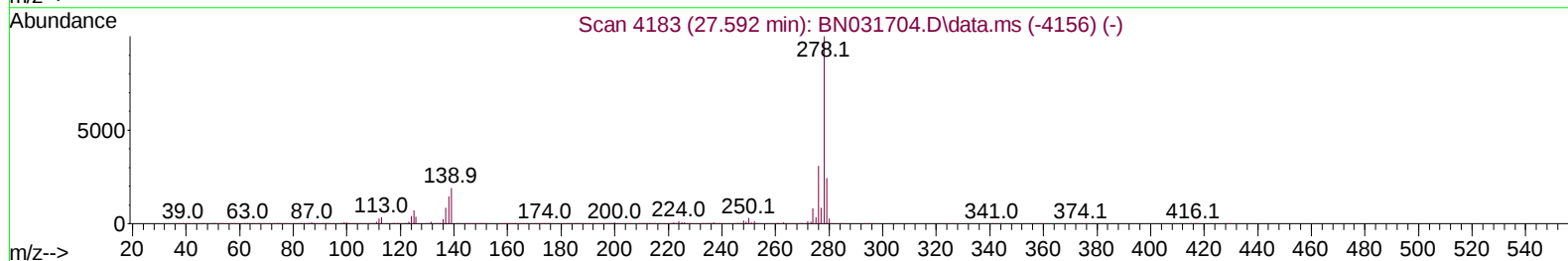
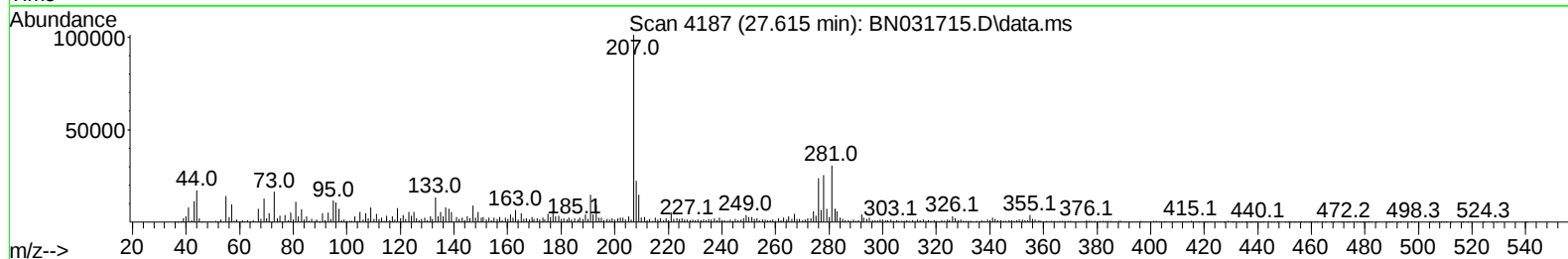
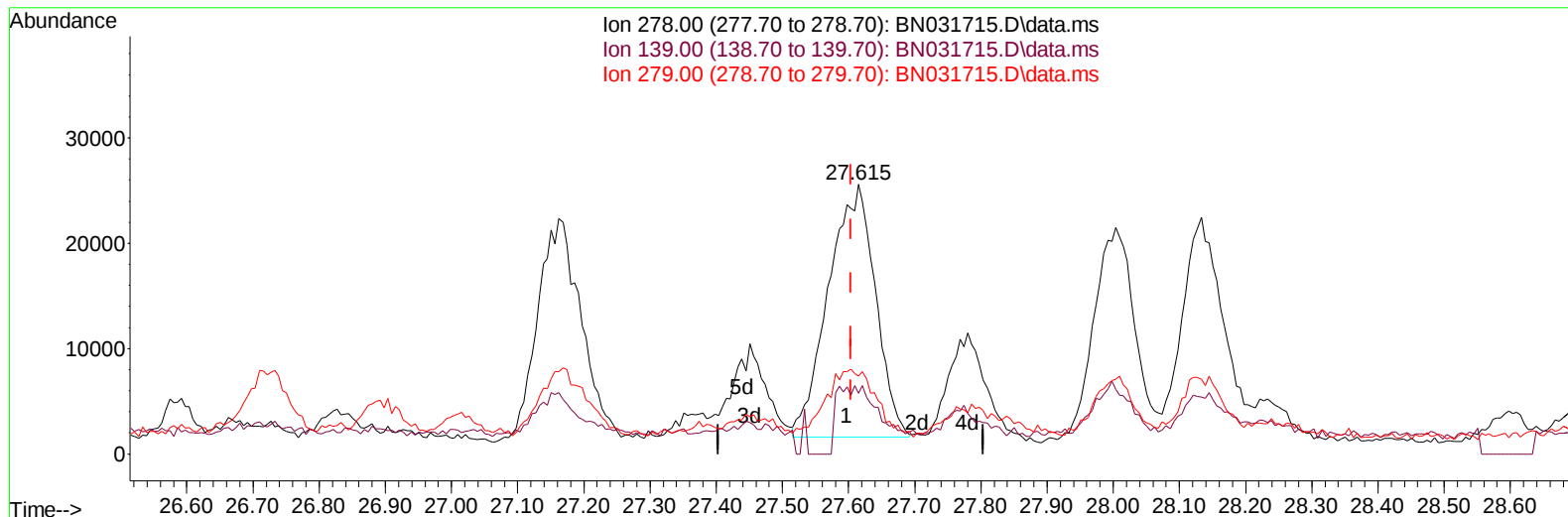
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052924\  
Data File : BN031715.D  
Acq On : 30 May 2024 09:43  
Operator : MA/JU  
Sample : P2569-22  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BH6A8

Manual IntegrationsAPPROVED

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TIC: BN031715.D\data.ms

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

**27.615min (+ 0.012) 1.26 ng/ul m**

**response 117684**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 18.80  | 22.56  |
| 279.00 | 21.70  | 28.98# |
| 0.00   | 0.00   | 0.00   |

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 Sample : P2569-22  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BH6A8

Manual IntegrationsAPPROVED

Quant Time: May 30 11:12:12 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.693  | 152  | 573454   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.475 | 136  | 2476004  | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.328 | 164  | 1466608  | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.075 | 188  | 2759161  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.310 | 240  | 1654096  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.251 | 264  | 1778088  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.199  | 96   | 43967    | 3.172  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.605  | 84   | 509095   | 13.047 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.858  | 99   | 895891   | 18.224 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.028  | 67   | 516361   | 17.957 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.222  | 132  | 727595   | 19.397 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.393  | 113  | 586936   | 14.646 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.846  | 128  | 367399   | 19.407 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.563  | 143  | 376512   | 19.253 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.093 | 165  | 683903   | 18.732 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.610 | 131  | 582463   | 10.745 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.745 | 166  | 2060488  | 20.167 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.022 | 160  | 2427891  | 20.666 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.534 | 143  | 291888   | 14.268 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.322 | 176  | 1756514  | 20.318 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.451 | 200  | 96849    | 6.983  | ng/ul  | 0.01     |
| 73) Anthracene-d10            | 17.175 | 188  | 2380168  | 20.149 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.474 | 212  | 2374507  | 26.826 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.057 | 264  | 1785443  | 21.029 | ng/ul  | 0.02     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.116 | 178  | 1085381  | 7.722  | ng/ul  | 97       |
| 74) Anthracene                | 17.210 | 178  | 193317   | 1.357  | ng/ul  | 98       |
| 77) Carbazole                 | 17.480 | 167  | 130086   | 1.071  | ng/ul  | 100      |
| 80) Fluoranthene              | 19.139 | 202  | 1704497  | 16.113 | ng/ul  | 98       |
| 82) Pyrene                    | 19.504 | 202  | 1410131  | 12.993 | ng/ul  | 97       |
| 83) Butylbenzylphthalate      | 20.410 | 149  | 93389    | 1.822  | ng/ul  | 94       |
| 85) Benzo(a)anthracene        | 21.292 | 228  | 642774   | 5.806  | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.221 | 149  | 861172   | 11.525 | ng/ul  | 100      |
| 87) Chrysene                  | 21.351 | 228  | 676541m  | 6.542  | ng/ul  |          |
| 90) Benzo(b)fluoranthene      | 23.327 | 252  | 936239   | 8.809  | ng/ul  | 97       |
| 91) Benzo(k)fluoranthene      | 23.380 | 252  | 291361m  | 2.794  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.115 | 252  | 609912   | 6.127  | ng/ul  | 93       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.562 | 276  | 469519   | 4.093  | ng/ul  | 96       |
| 95) Dibenzo(a,h)anthracene    | 27.615 | 278  | 117684m  | 1.257  | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 28.598 | 276  | 427256   | 4.686  | ng/ul  | 97       |
| -----                         |        |      |          |        |        |          |

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

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