

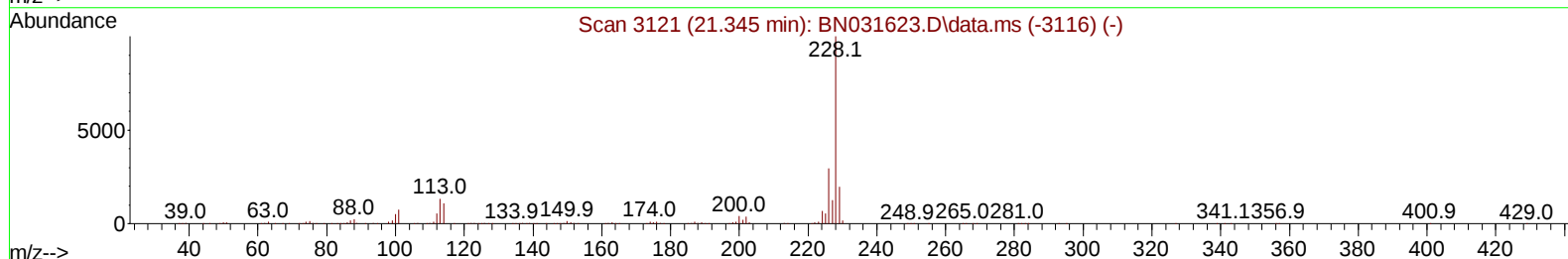
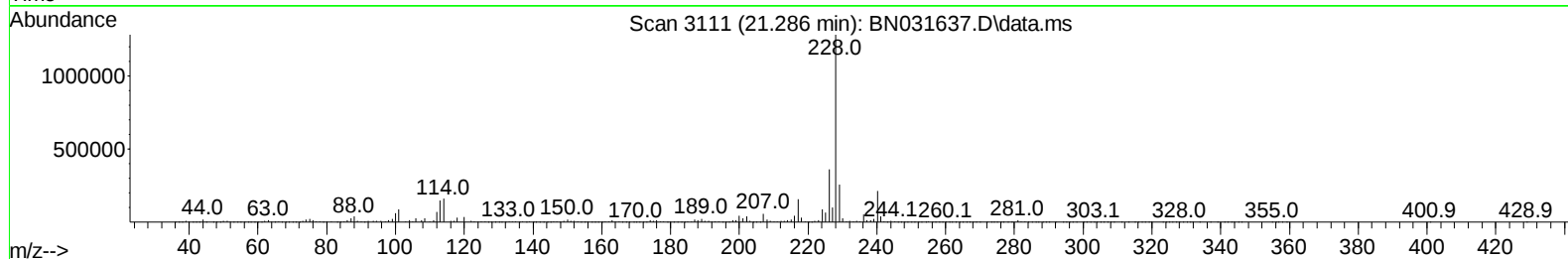
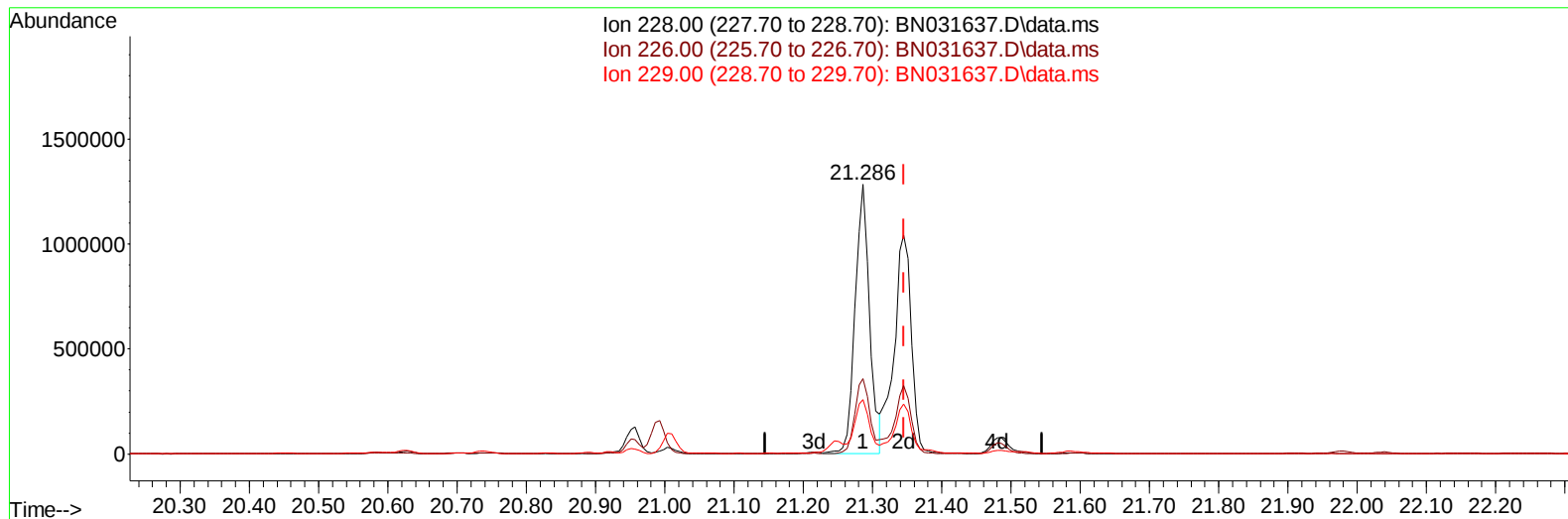
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052324\  
Data File : BN031637.D  
Acq On : 23 May 2024 18:14  
Operator : MA/JU  
Sample : P2547-11  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BH5W8

Manual IntegrationsAPPROVED

Quant Time: May 23 22:52:41 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: BN031637.D\data.ms

(87) Chrysene

21.286min (-0.059) 24.23 ng/u1

response 1848674

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 28.60  | 28.07  |
| 229.00 | 19.00  | 20.15  |
| 0.00   | 0.00   | 0.00   |

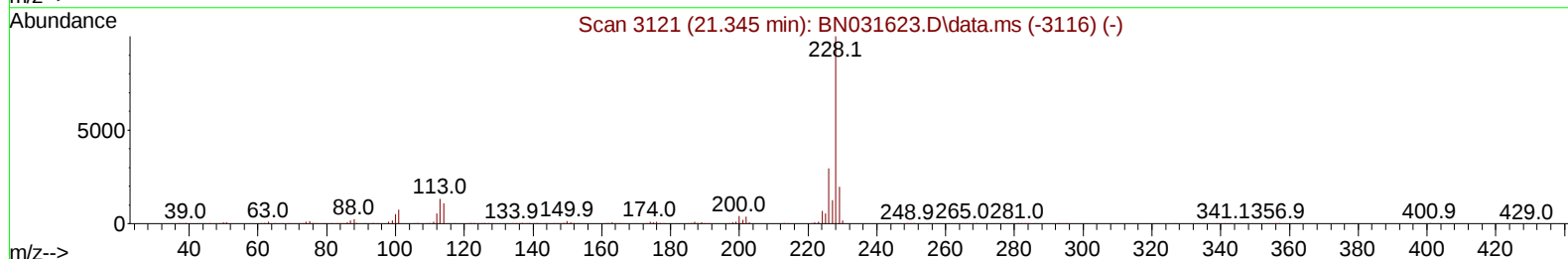
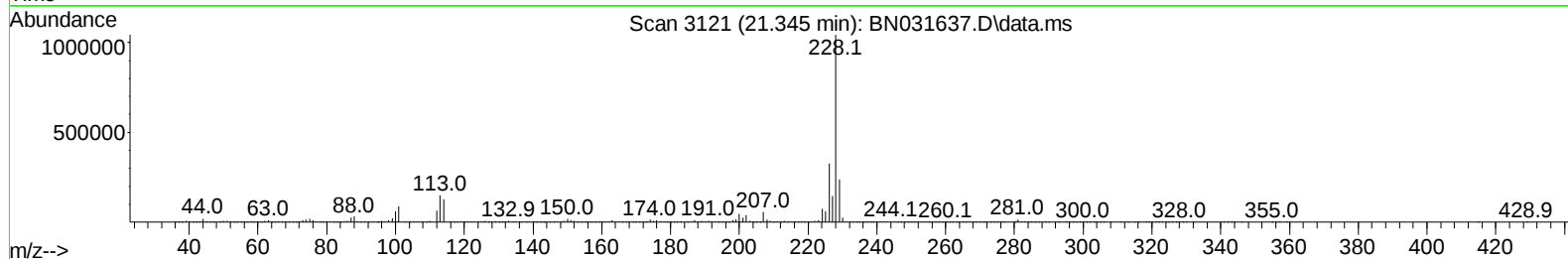
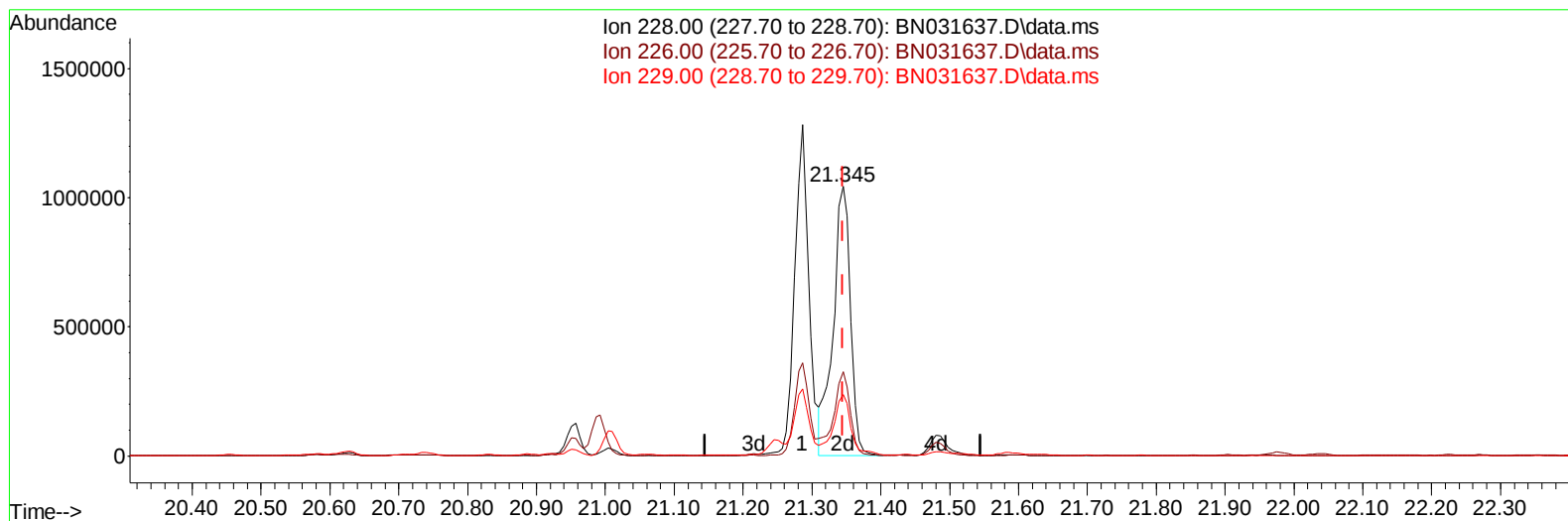
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Instrument :  
 BNA\_N  
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Manual IntegrationsAPPROVED

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



TIC: BN031637.D\data.ms

(87) Chrysene

21.345min (+ 0.000) 23.87 ng/ul m

response 1821620

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 28.60  | 31.32  |
| 229.00 | 19.00  | 22.84# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052324\  
 Data File : BN031637.D  
 Acq On : 23 May 2024 18:14  
 Operator : MA/JU  
 Sample : P2547-11  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :

BNA\_N

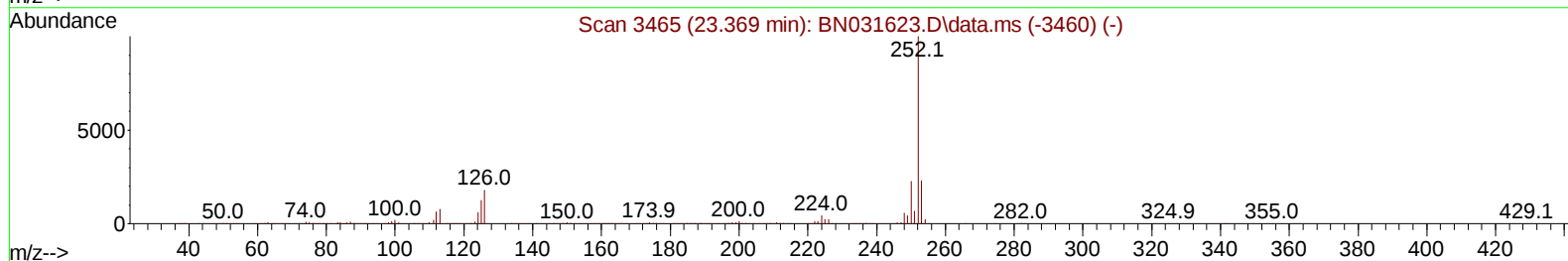
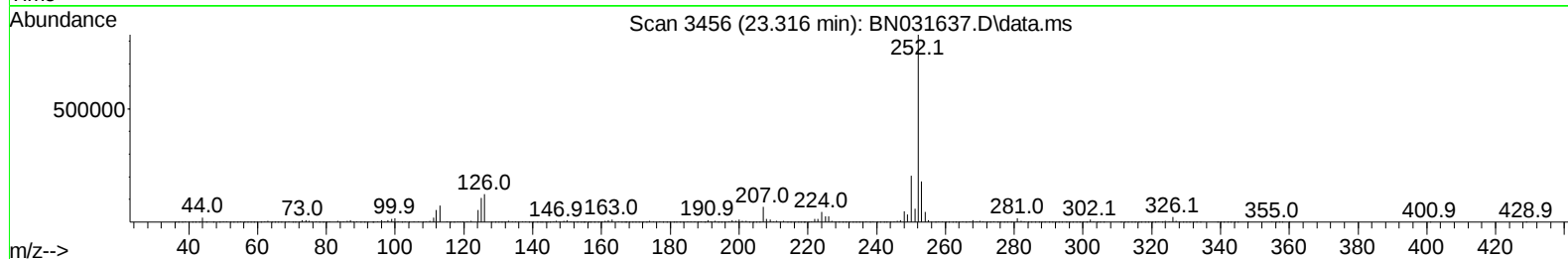
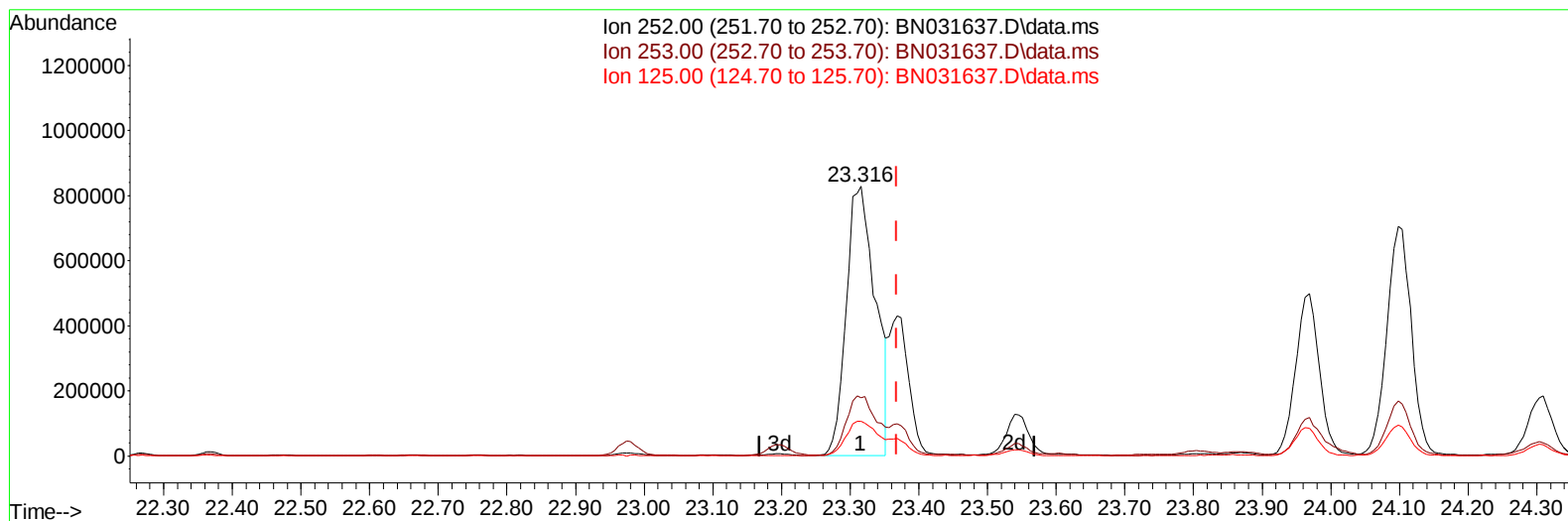
ClientSampleId :

BH5W8

Manual IntegrationsAPPROVED

Quant Time: May 23 22:52:41 2024  
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TIC: BN031637.D\data.ms

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

23.316min (-0.053) 27.51 ng/u1

response 2425378

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.70  | 21.56  |
| 125.00 | 11.60  | 12.80  |
| 0.00   | 0.00   | 0.00   |

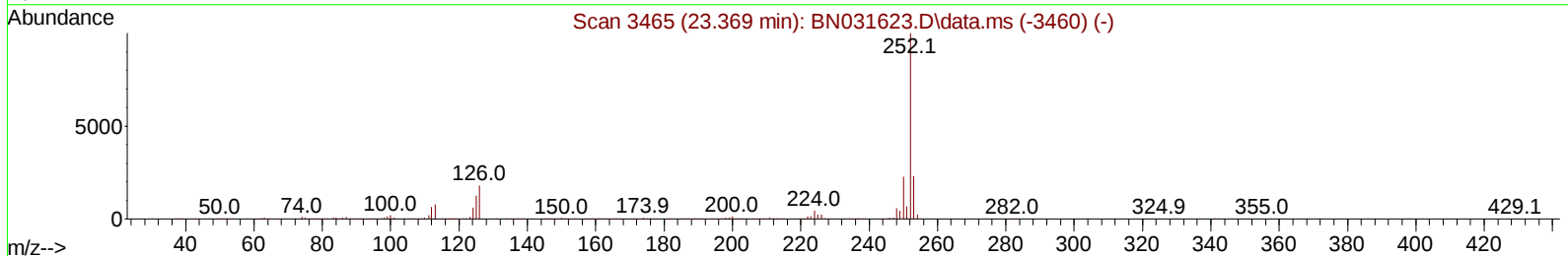
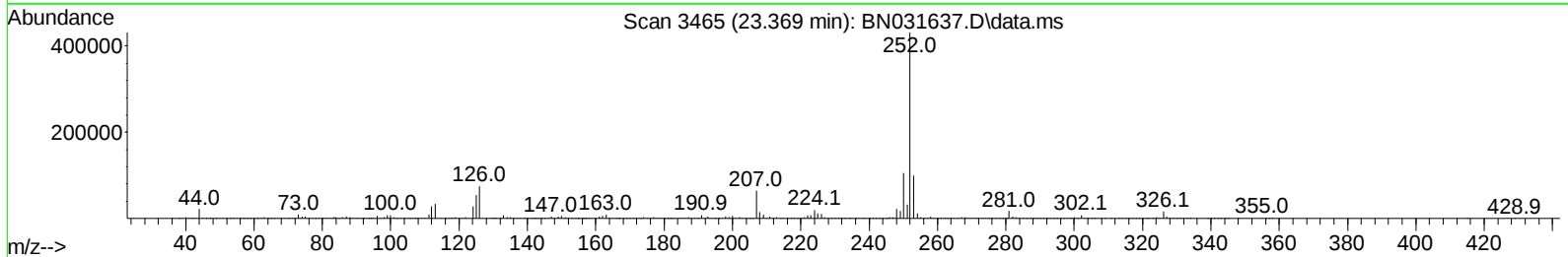
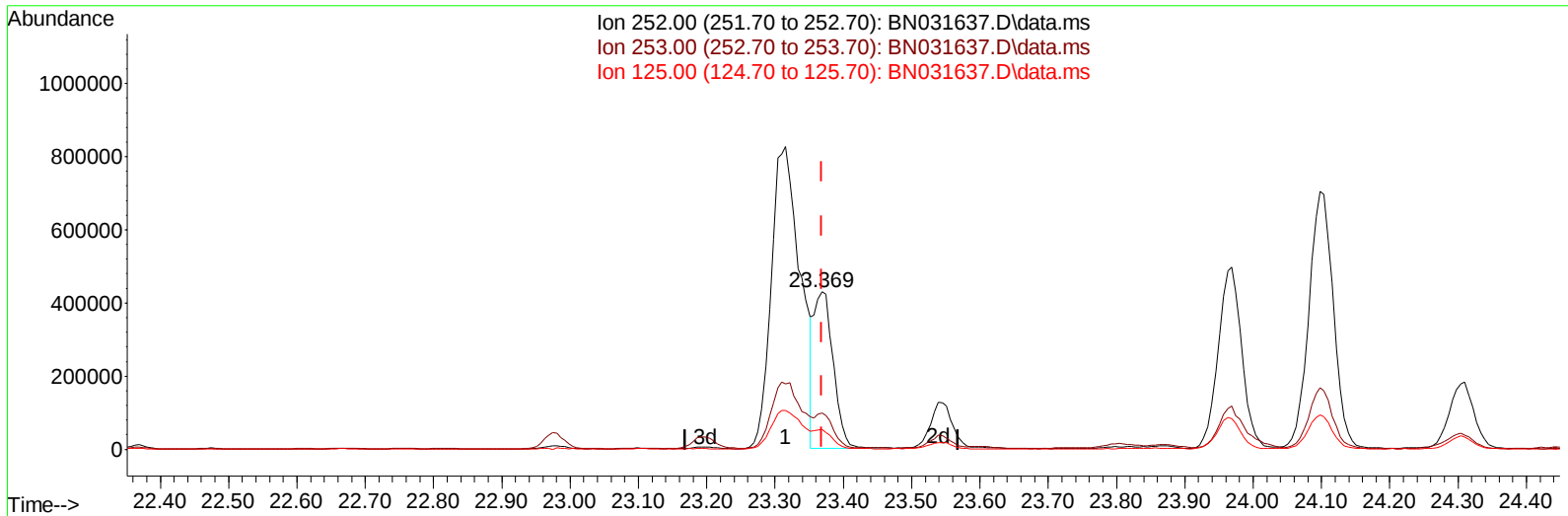
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052324\  
Data File : BN031637.D  
Acq On : 23 May 2024 18:14  
Operator : MA/JU  
Sample : P2547-11  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BH5W8

## Manual IntegrationsAPPROVED

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

Quant Time: May 23 22:52:41 2024  
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TIC: BN031637.D\data.ms

## (91) Benzo(k)fluoranthene

23.369min (+ 0.000) 9.60 ng/u1 m

response 846758

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.70  | 23.13  |
| 125.00 | 11.60  | 12.51  |
| 0.00   | 0.00   | 0.00   |

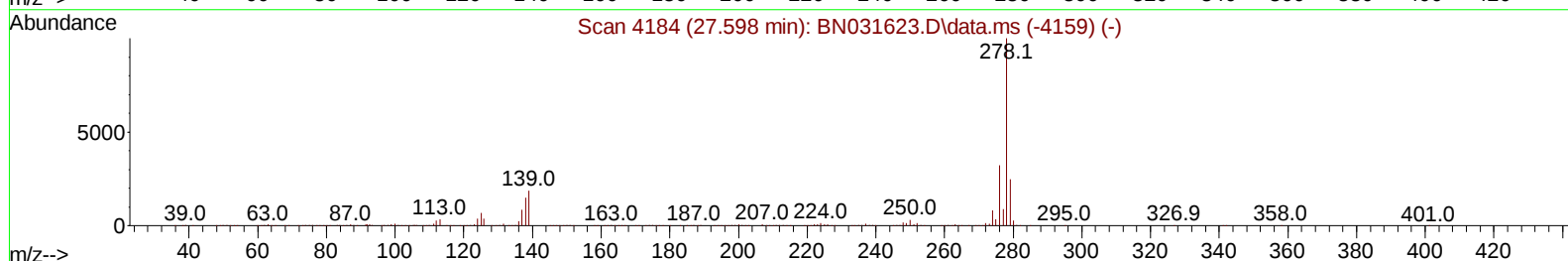
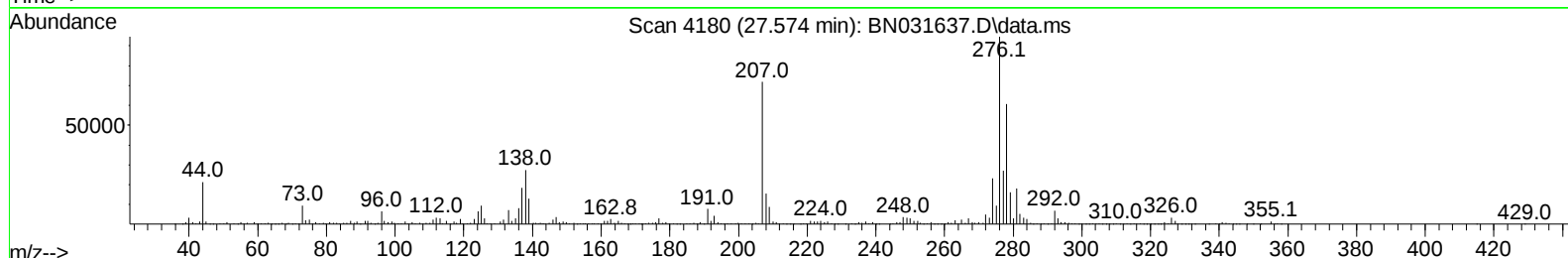
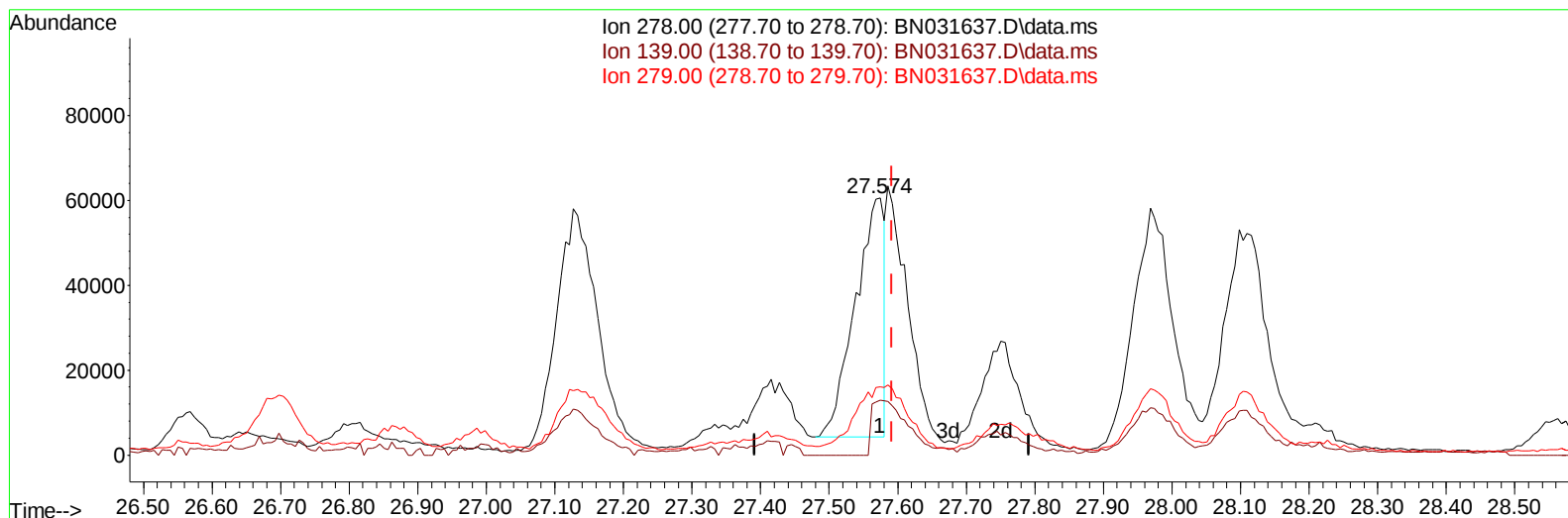
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052324\  
Data File : BN031637.D  
Acq On : 23 May 2024 18:14  
Operator : MA/JU  
Sample : P2547-11  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BH5W8

Manual IntegrationsAPPROVED

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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: BN031637.D\data.ms

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

27.574min (-0.017) 2.02 ng/u1

response 166183

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 19.00  | 21.41  |
| 279.00 | 23.00  | 26.63  |
| 0.00   | 0.00   | 0.00   |

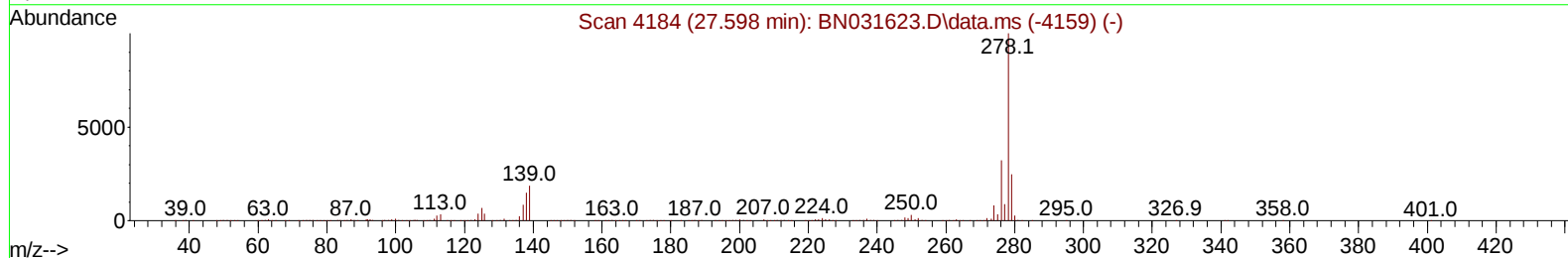
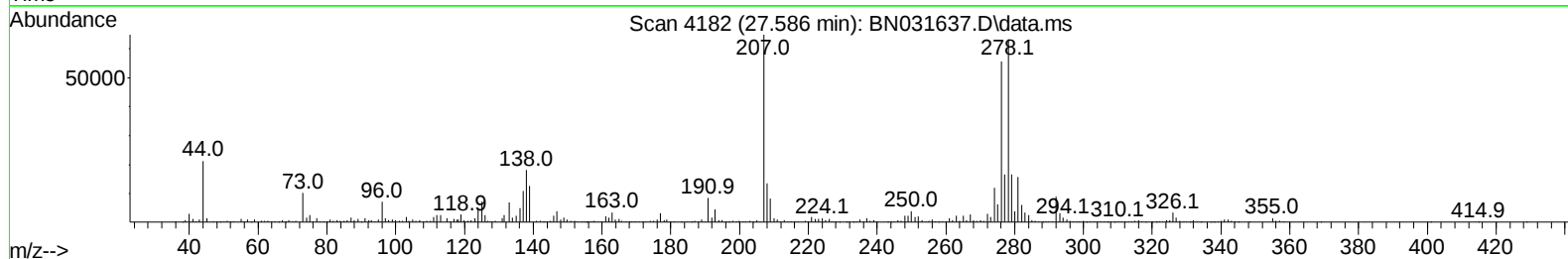
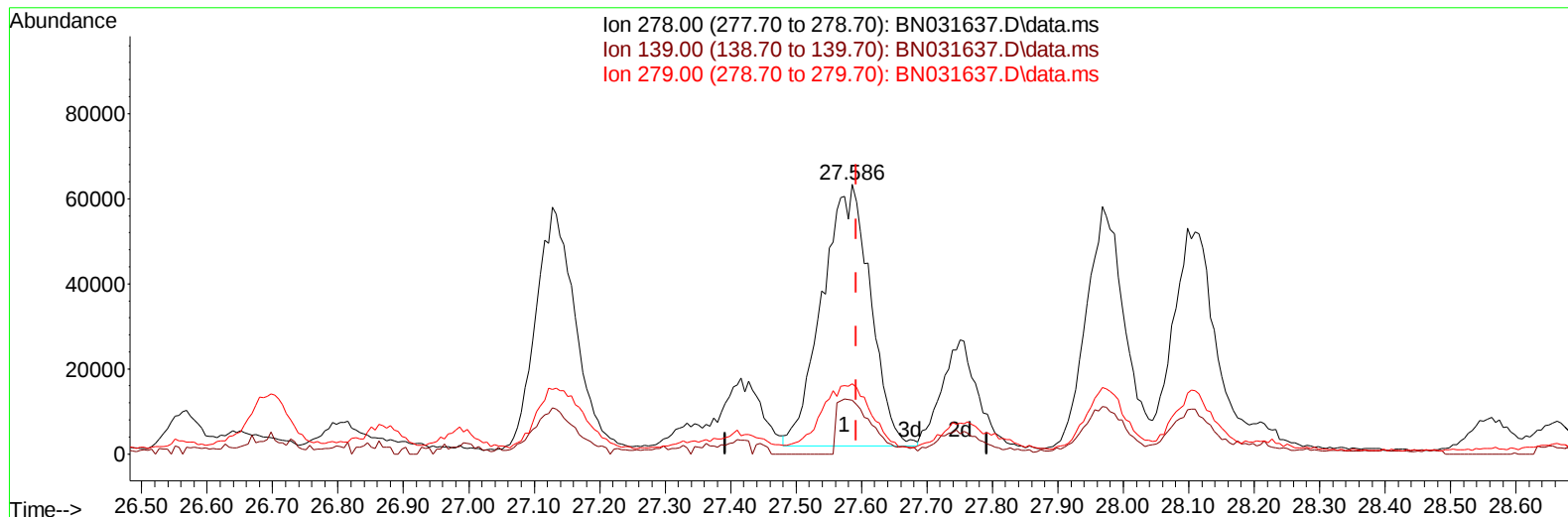
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052324\  
Data File : BN031637.D  
Acq On : 23 May 2024 18:14  
Operator : MA/JU  
Sample : P2547-11  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BH5W8

Manual IntegrationsAPPROVED

Quant Time: May 23 22:52:41 2024  
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Response via : Initial Calibration

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



TIC: BN031637.D\data.ms

(95) Dibenzo(a,h)anthracene

27.586min (-0.006) 3.82 ng/u1 m

response 313890

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 19.00  | 19.95  |
| 279.00 | 23.00  | 26.14  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052324\  
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 Sample : P2547-11  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BH5W8

Manual IntegrationsAPPROVED

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.693  | 152  | 465297   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.475 | 136  | 1851932  | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.328 | 164  | 958377   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.069 | 188  | 1557156  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.304 | 240  | 1228426  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.239 | 264  | 1482077  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.199  | 96   | 25029    | 2.132  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.605  | 84   | 230850   | 7.047  | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.852  | 99   | 427878   | 11.171 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.028  | 67   | 287169   | 12.500 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.222  | 132  | 354329   | 12.005 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.387  | 113  | 259971   | 8.767  | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.846  | 128  | 165644   | 11.818 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.563  | 143  | 147183   | 10.997 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.093 | 165  | 290896   | 11.116 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.610 | 131  | 304602   | 8.075  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.740 | 166  | 839540   | 13.900 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.016 | 160  | 1023860  | 13.525 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.516 | 143  | 61136    | 5.350  | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.322 | 176  | 704952   | 13.468 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.434 | 200  | 43403    | 6.447  | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.169 | 188  | 917475   | 13.918 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.463 | 212  | 980498   | 12.725 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.039 | 264  | 1008097  | 14.450 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 52) Acenaphthene              | 14.393 | 153  | 156049   | 2.756  | ng/ul  | 91       |
| 56) Dibenzofuran              | 14.728 | 168  | 126764   | 1.677  | ng/ul  | 97       |
| 61) Fluorene                  | 15.375 | 166  | 145865   | 2.464  | ng/ul  | 97       |
| 72) Phenanthrene              | 17.116 | 178  | 3068799  | 38.833 | ng/ul  | 99       |
| 74) Anthracene                | 17.204 | 178  | 525441   | 6.627  | ng/ul  | 98       |
| 77) Carbazole                 | 17.475 | 167  | 292306   | 4.320  | ng/ul  | 98       |
| 80) Fluoranthene              | 19.134 | 202  | 4244714  | 44.567 | ng/ul  | 99       |
| 82) Pyrene                    | 19.498 | 202  | 3644964  | 37.318 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.404 | 149  | 34819    | 1.050  | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.286 | 228  | 1849685  | 22.391 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.222 | 149  | 194202   | 4.279  | ng/ul  | 98       |
| 87) Chrysene                  | 21.345 | 228  | 1821620m | 23.873 | ng/ul  |          |
| 90) Benzo(b)fluoranthene      | 23.316 | 252  | 2425378  | 28.043 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.369 | 252  | 846758m  | 9.604  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.098 | 252  | 1740341  | 20.948 | ng/ul  | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.539 | 276  | 1226609  | 12.302 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 27.586 | 278  | 313890m  | 3.823  | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 28.562 | 276  | 1158875  | 14.067 | ng/ul  | 98       |
| -----                         |        |      |          |        |        |          |

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

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Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BH5W8

Manual IntegrationsAPPROVED

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