

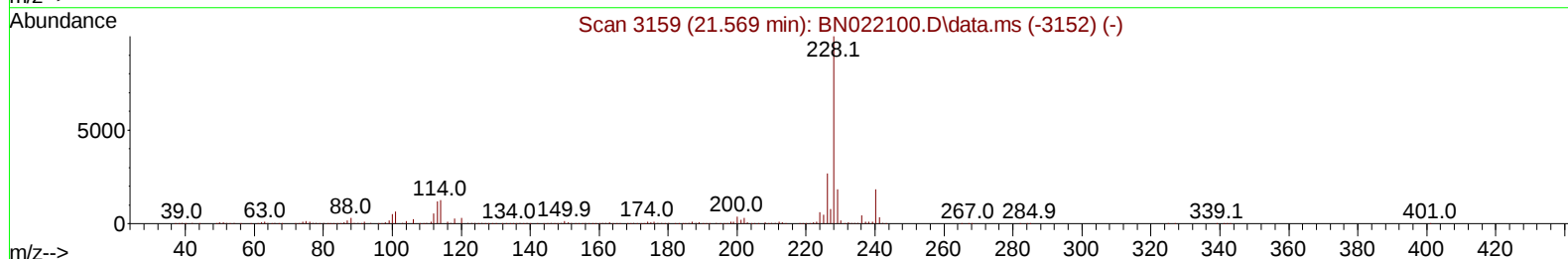
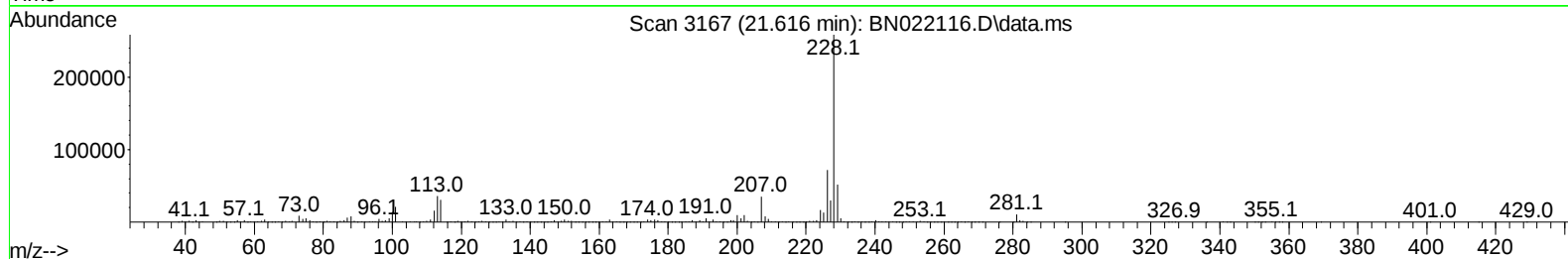
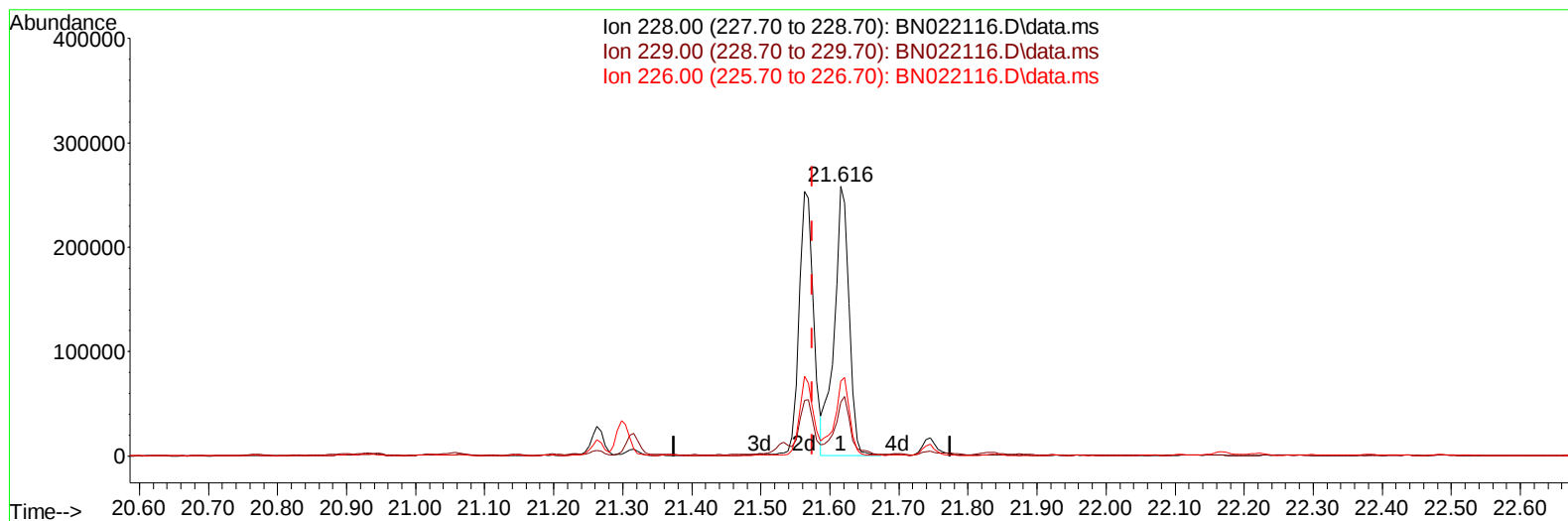
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101422\  
 Data File : BN022116.D  
 Acq On : 14 Oct 2022 09:14  
 Operator : CG/JU  
 Sample : N5049-16  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0BS4

Manual IntegrationsAPPROVED

Quant Time: Oct 15 00:24:14 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN101222.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 13 03:08:08 2022  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/15/2022  
 Supervised By :mohammad ahmed 10/16/2022



TIC: BN022116.D\data.ms

**(85) Benzo(a)anthracene**

**21.616min (+ 0.041) 5.59 ng/u1**

**response 385553**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 16.90  | 19.99  |
| 226.00 | 26.30  | 27.83  |
| 0.00   | 0.00   | 0.00   |

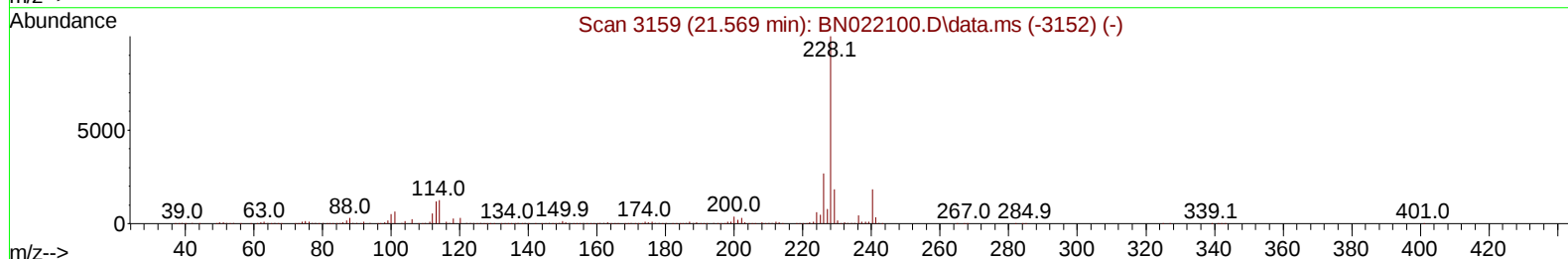
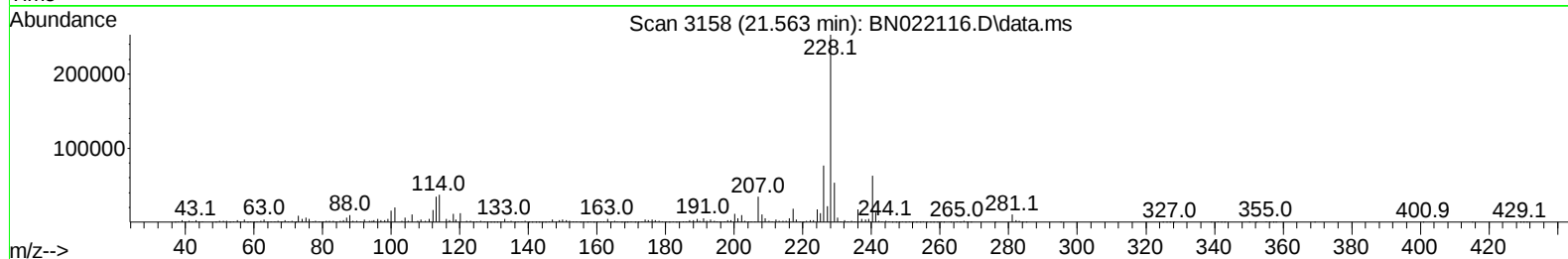
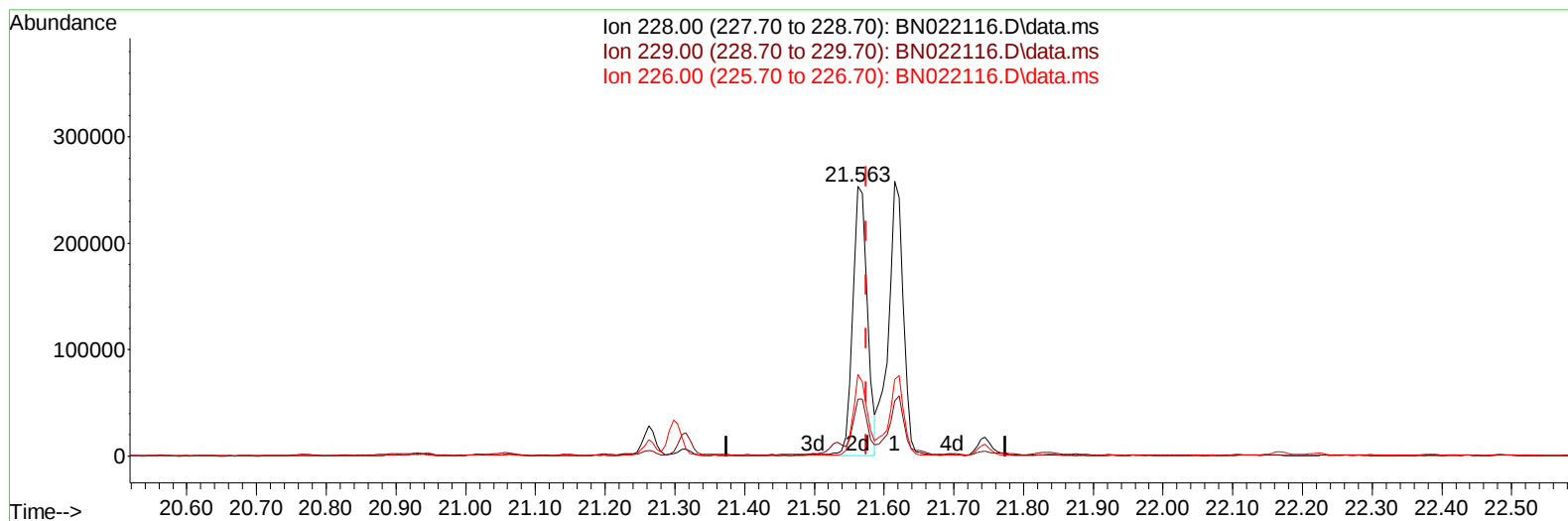
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101422\  
 Data File : BN022116.D  
 Acq On : 14 Oct 2022 09:14  
 Operator : CG/JU  
 Sample : N5049-16  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0BS4

Manual IntegrationsAPPROVED

Quant Time: Oct 15 00:24:14 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN101222.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 13 03:08:08 2022  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/15/2022  
 Supervised By :mohammad ahmed 10/16/2022



TIC: BN022116.D\data.ms

**(85) Benzo(a)anthracene**

**21.563min (-0.012) 5.32 ng/u1 m**

**response 366396**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 16.90  | 21.02# |
| 226.00 | 26.30  | 30.26  |
| 0.00   | 0.00   | 0.00   |

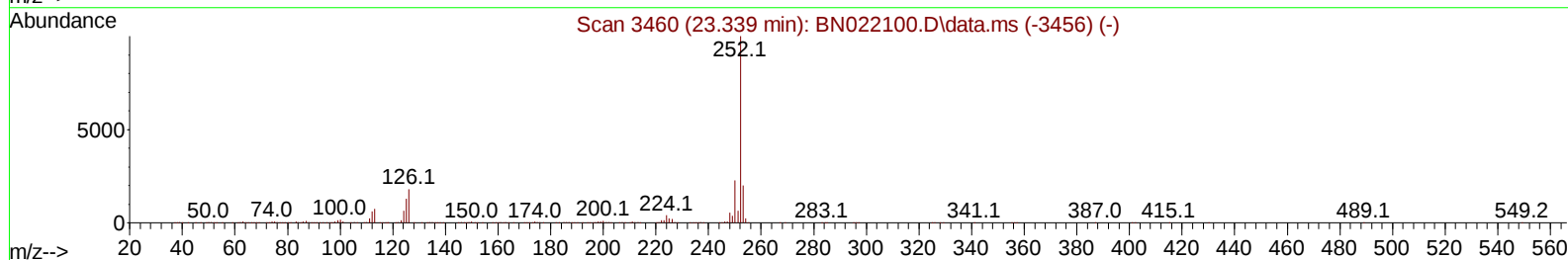
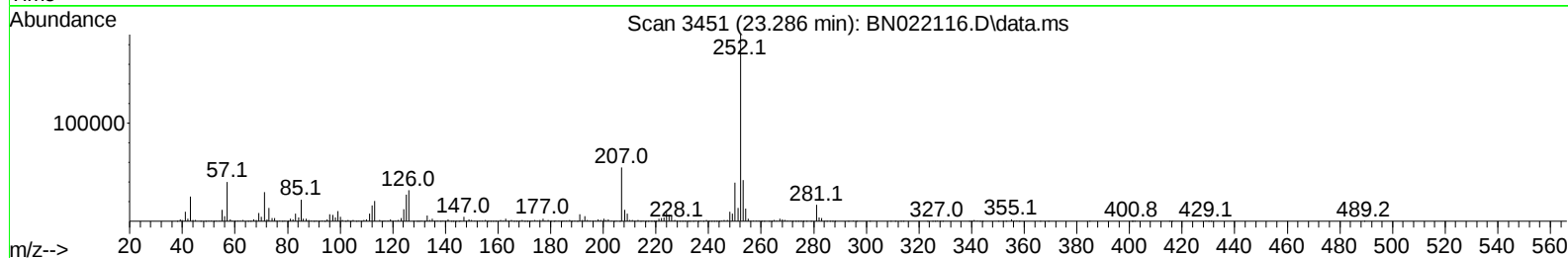
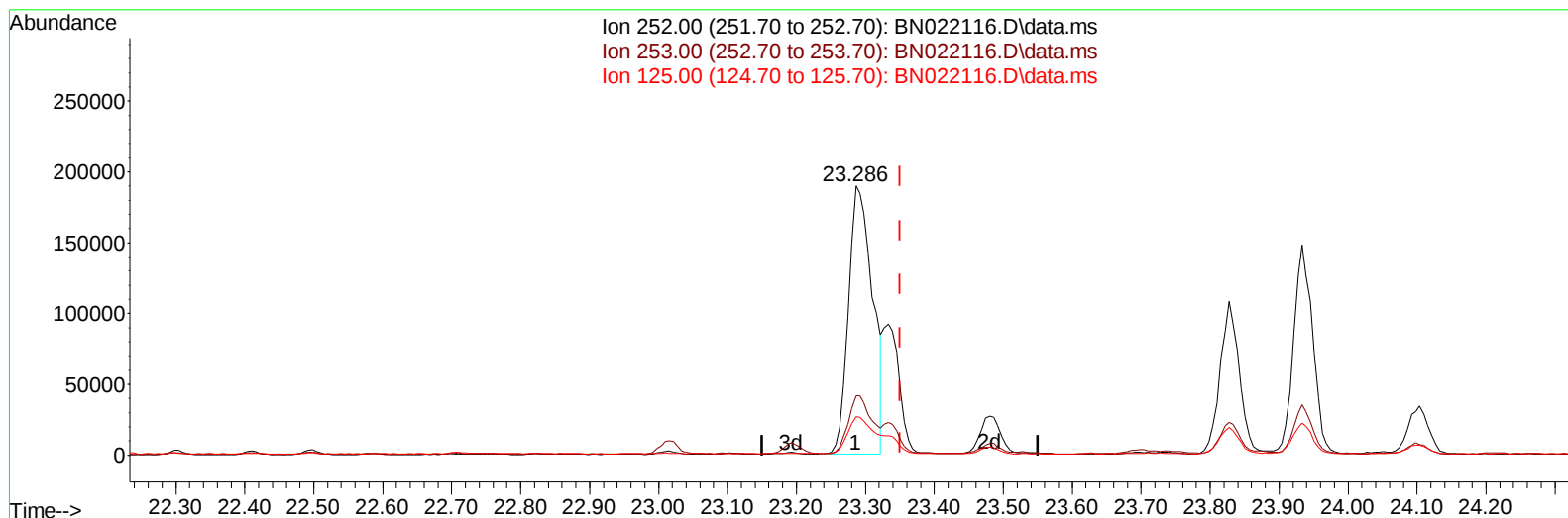
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101422\  
Data File : BN022116.D  
Acq On : 14 Oct 2022 09:14  
Operator : CG/JU  
Sample : N5049-16  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0BS4

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/15/2022  
Supervised By :mohammad ahmed 10/16/2022

Quant Time: Oct 15 00:24:14 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN101222.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 13 03:08:08 2022  
Response via : Initial Calibration



TIC: BN022116.D\data.ms

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

23.286min (-0.065) 6.91 ng/u1

response 459869

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.10  | 22.01  |
| 125.00 | 13.20  | 14.19  |
| 0.00   | 0.00   | 0.00   |

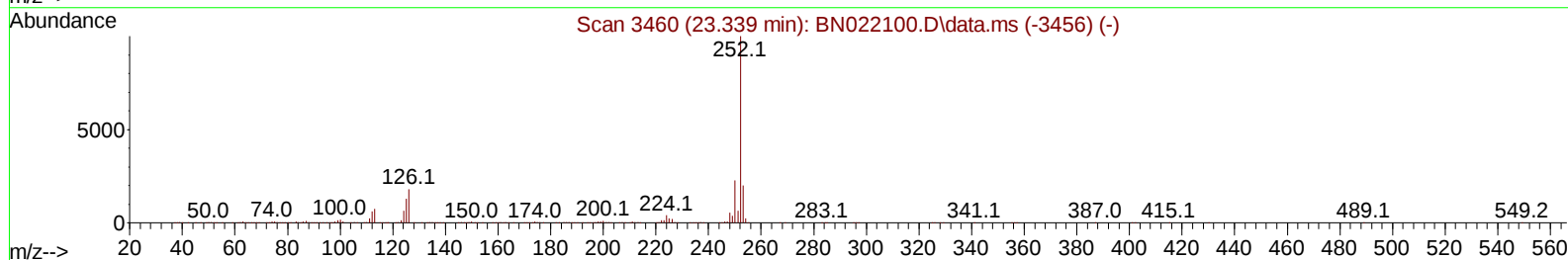
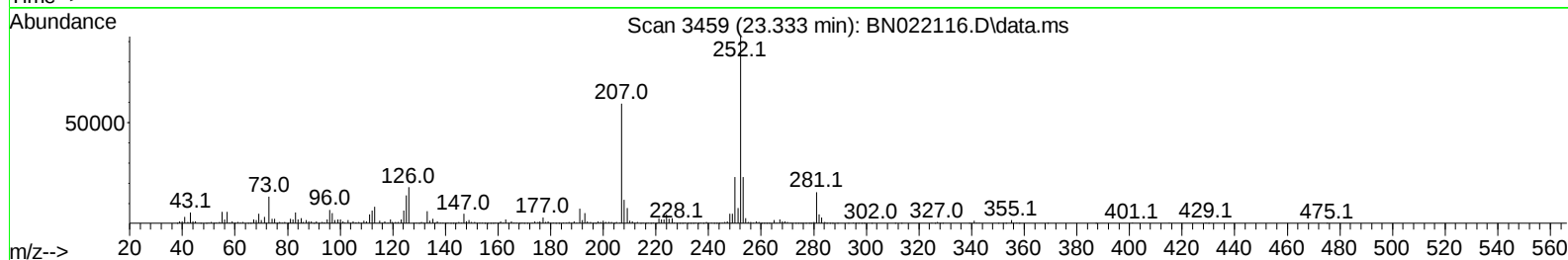
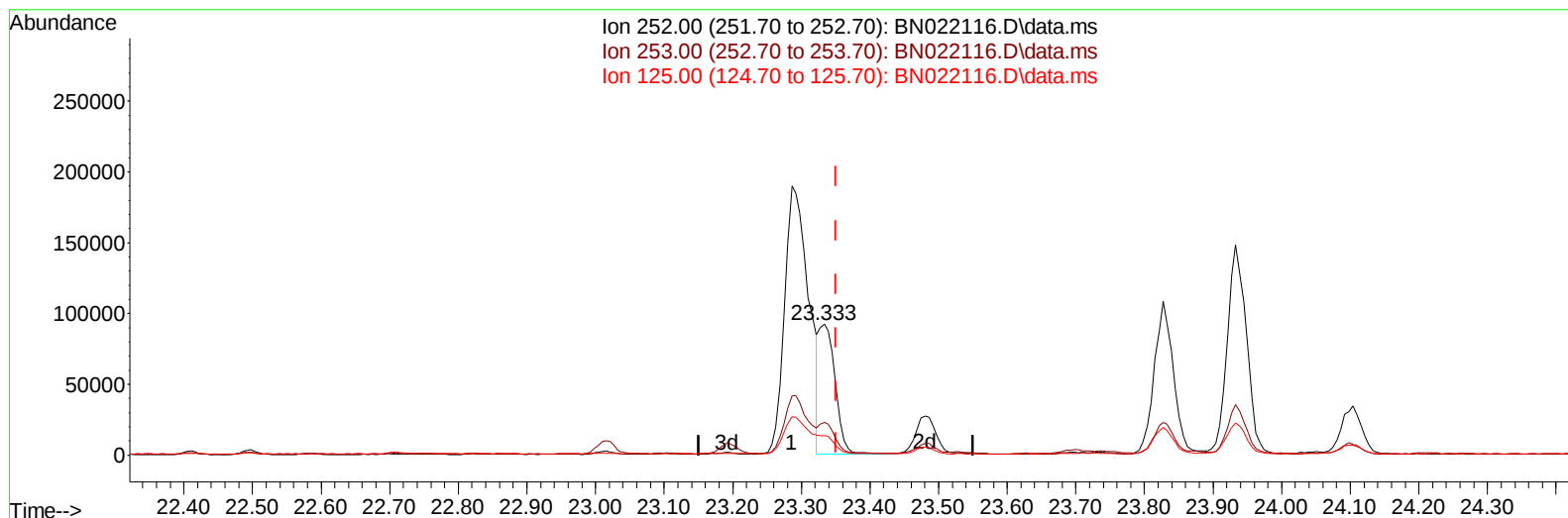
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101422\  
 Data File : BN022116.D  
 Acq On : 14 Oct 2022 09:14  
 Operator : CG/JU  
 Sample : N5049-16  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0BS4

Manual IntegrationsAPPROVED

Quant Time: Oct 15 00:24:14 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN101222.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 13 03:08:08 2022  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/15/2022  
 Supervised By :mohammad ahmed 10/16/2022



TIC: BN022116.D\data.ms

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

**23.333min (-0.018) 2.26 ng/ul m**

**response 150656**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.10  | 24.80  |
| 125.00 | 13.20  | 15.00  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101422\  
 Data File : BN022116.D  
 Acq On : 14 Oct 2022 09:14  
 Operator : CG/JU  
 Sample : N5049-16  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0BS4

Manual IntegrationsAPPROVED

Quant Time: Oct 15 00:24:14 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN101222.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 13 03:08:08 2022  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/15/2022  
 Supervised By :mohammad ahmed 10/16/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.952  | 152  | 167005   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.781 | 136  | 813065   | 20.000 | ng/ul  | -0.01    |
| 38) Acenaphthene-d10          | 14.628 | 164  | 518601   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.381 | 188  | 1118195  | 20.000 | ng/ul  | -0.01    |
| 79) Chrysene-d12              | 21.580 | 240  | 1078795  | 20.000 | ng/ul  | -0.01    |
| 88) Perylene-d12              | 24.051 | 264  | 1068220  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.252  | 96   | 14912    | 3.384  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.711  | 84   | 17315    | 1.263  | ng/ul  | 0.02     |
| 7) Phenol-d5                  | 7.111  | 99   | 293984   | 18.007 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.281  | 67   | 197275   | 19.283 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.475  | 132  | 228774   | 20.210 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.669  | 113  | 219078   | 16.887 | ng/ul  | -0.01    |
| 21) Nitrobenzene-d5           | 9.134  | 128  | 123633   | 20.737 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.857  | 143  | 134974   | 22.088 | ng/ul  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.399 | 165  | 227537   | 19.837 | ng/ul  | -0.01    |
| 31) 4-Chloroaniline-d4        | 10.928 | 131  | 317783   | 16.946 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.040 | 166  | 779928   | 21.574 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.322 | 160  | 881945   | 21.847 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.828 | 143  | 124340   | 16.114 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.622 | 176  | 678296   | 22.245 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.739 | 200  | 92926    | 14.567 | ng/ul  | -0.01    |
| 73) Anthracene-d10            | 17.481 | 188  | 1037190  | 21.344 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.780 | 212  | 1214992  | 22.621 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.886 | 264  | 1143407  | 21.826 | ng/ul  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 8) Phenol                     | 7.134  | 94   | 18090    | 1.044  | ng/ul  | 97       |
| 30) Naphthalene               | 10.834 | 128  | 91133    | 2.092  | ng/ul  | 99       |
| 36) 2-Methylnaphthalene       | 12.451 | 142  | 66479    | 2.210  | ng/ul  | 98       |
| 37) 1-Methylnaphthalene       | 12.669 | 142  | 54329    | 1.804  | ng/ul  | 99       |
| 72) Phenanthrene              | 17.428 | 178  | 511466   | 8.479  | ng/ul  | 98       |
| 74) Anthracene                | 17.516 | 178  | 93126    | 1.554  | ng/ul  | 96       |
| 80) Fluoranthene              | 19.445 | 202  | 779688   | 11.564 | ng/ul  | 97       |
| 82) Pyrene                    | 19.810 | 202  | 622156   | 8.820  | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.563 | 228  | 366396m  | 5.315  | ng/ul  |          |
| 87) Chrysene                  | 21.616 | 228  | 384799   | 5.809  | ng/ul  | 97       |
| 90) Benzo(b)fluoranthene      | 23.286 | 252  | 459869   | 6.826  | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.333 | 252  | 150656m  | 2.263  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 23.933 | 252  | 286673   | 4.761  | ng/ul  | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.621 | 276  | 170688   | 2.268  | ng/ul  | 95       |
| 96) Benzo(g,h,i)perylene      | 27.421 | 276  | 127899   | 1.889  | ng/ul  | 98       |
| -----                         |        |      |          |        |        |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101422\  
 Data File : BN022116.D  
 Acq On : 14 Oct 2022 09:14  
 Operator : CG/JU  
 Sample : N5049-16  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0BS4

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/15/2022  
 Supervised By :mohammad ahmed 10/16/2022

Quant Time: Oct 15 00:24:14 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN101222.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 13 03:08:08 2022  
 Response via : Initial Calibration

