

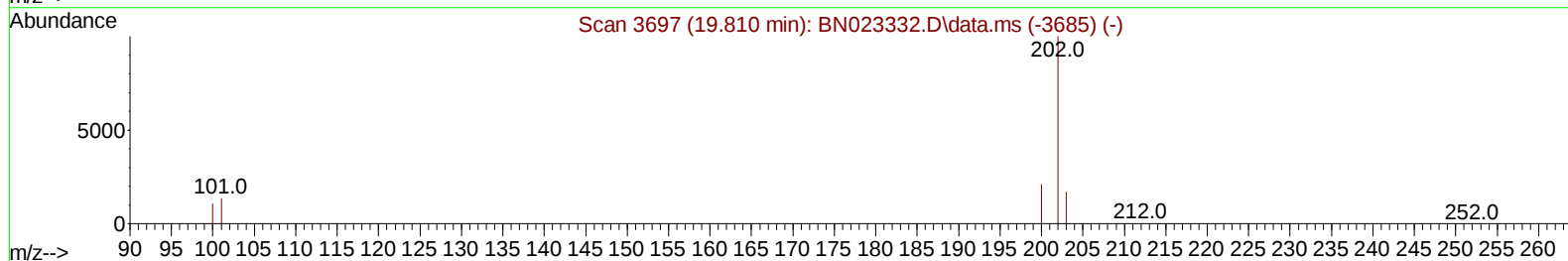
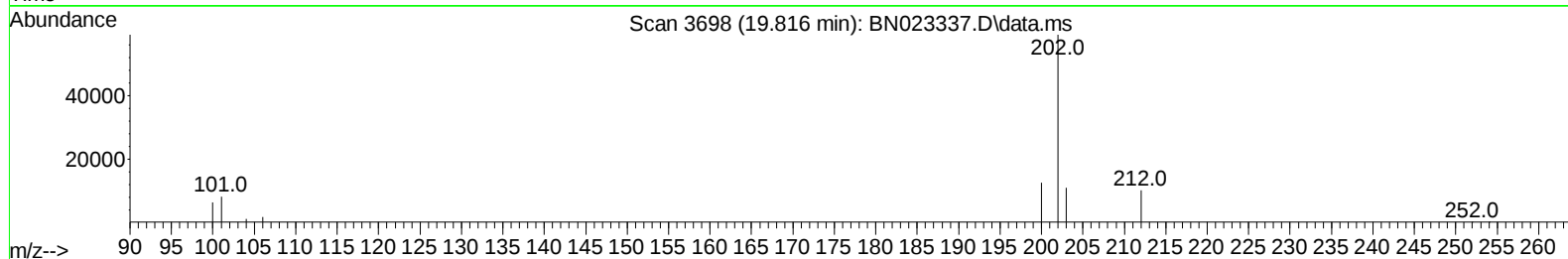
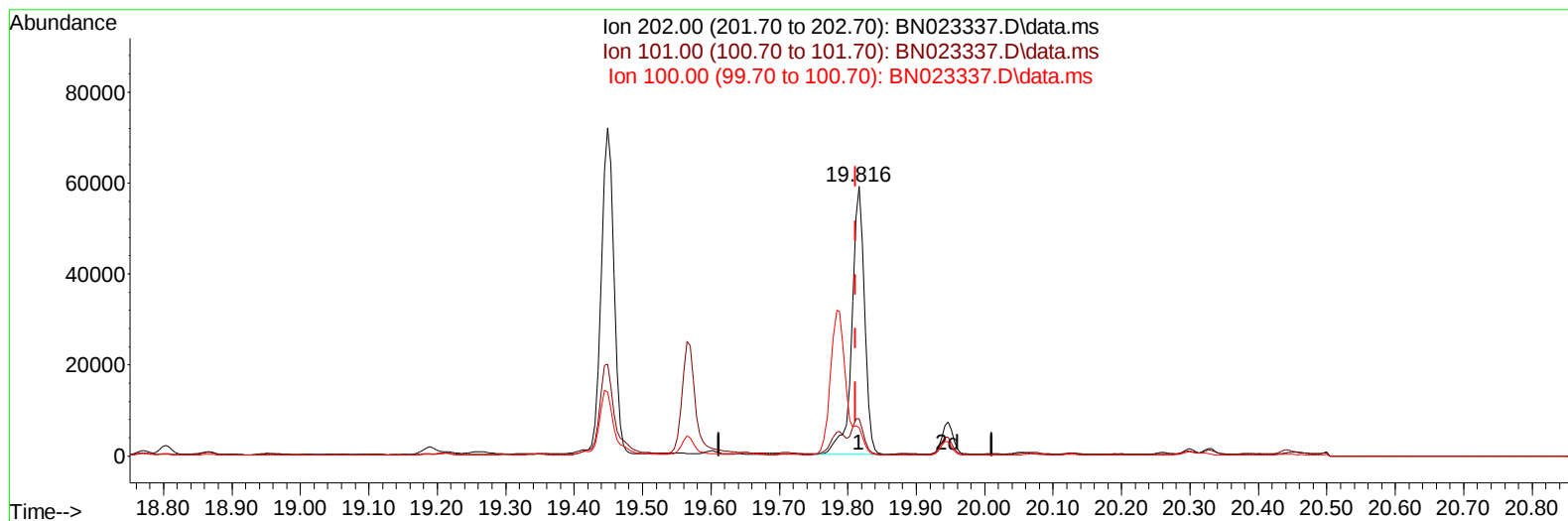
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122222\  
 Data File : BN023337.D  
 Acq On : 22 Dec 2022 13:46  
 Operator : CG/JU  
 Sample : N6003-20  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DBXU9

Manual IntegrationsAPPROVED

Quant Time: Dec 22 23:53:18 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN122122.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 22 02:28:40 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2022  
 Supervised By :mohammad ahmed 12/23/2022



TIC: BN023337.D\data.ms

(20) Pyrene

19.816min (+ 0.005) 0.58 ng/u1

response 75681

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 14.10  | 13.82  |
| 100.00 | 11.20  | 10.55  |
| 0.00   | 0.00   | 0.00   |

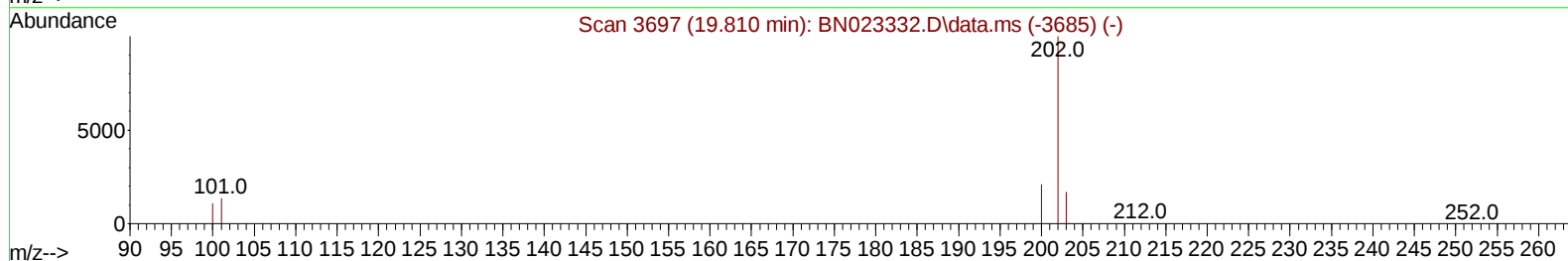
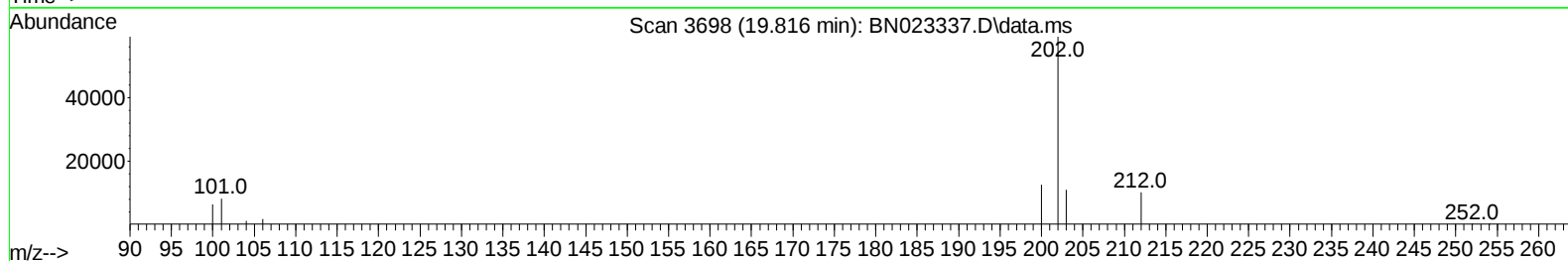
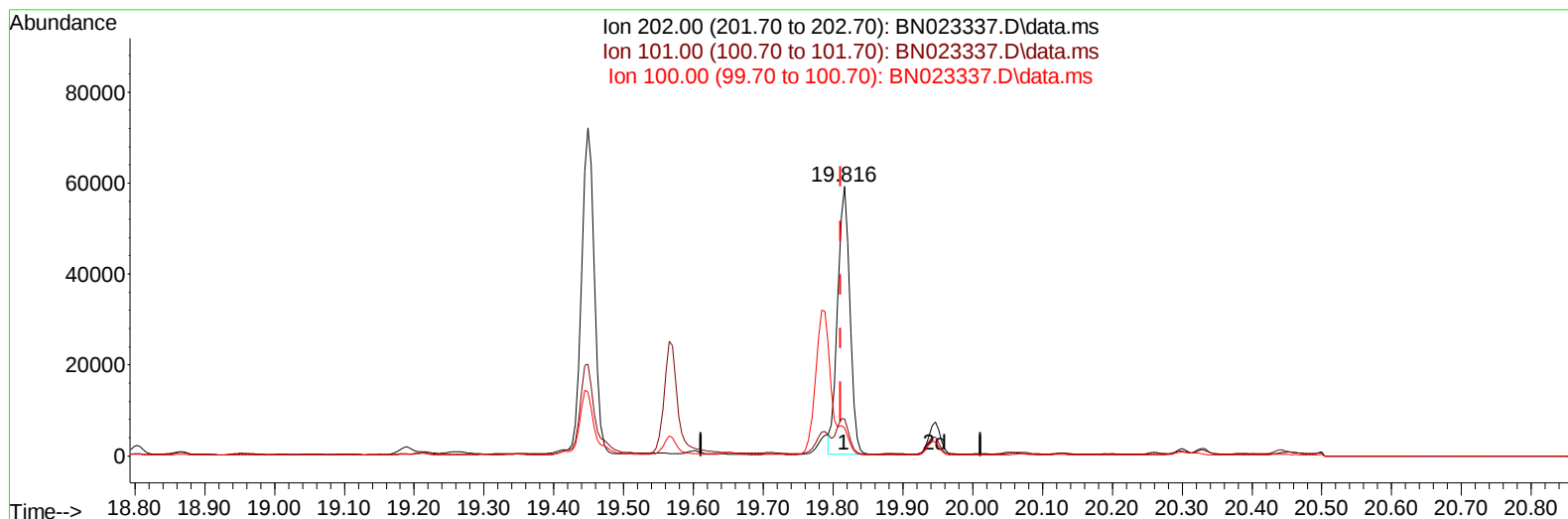
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122222\  
 Data File : BN023337.D  
 Acq On : 22 Dec 2022 13:46  
 Operator : CG/JU  
 Sample : N6003-20  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DBXU9

Manual IntegrationsAPPROVED

Quant Time: Dec 22 23:53:18 2022  
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 Supervised By :mohammad ahmed 12/23/2022



TIC: BN023337.D\data.ms

**(20) Pyrene**

**19.816min (+ 0.005) 0.54 ng/ul m**

**response 71160**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 14.10  | 13.82  |
| 100.00 | 11.20  | 10.55  |
| 0.00   | 0.00   | 0.00   |

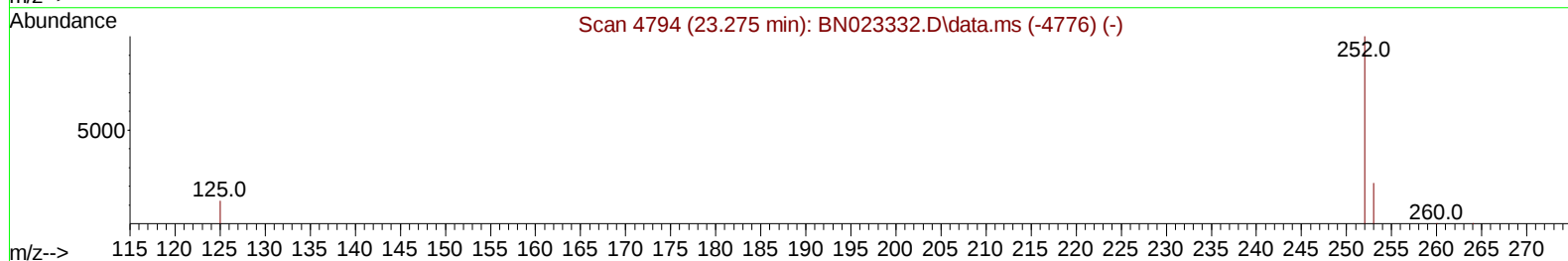
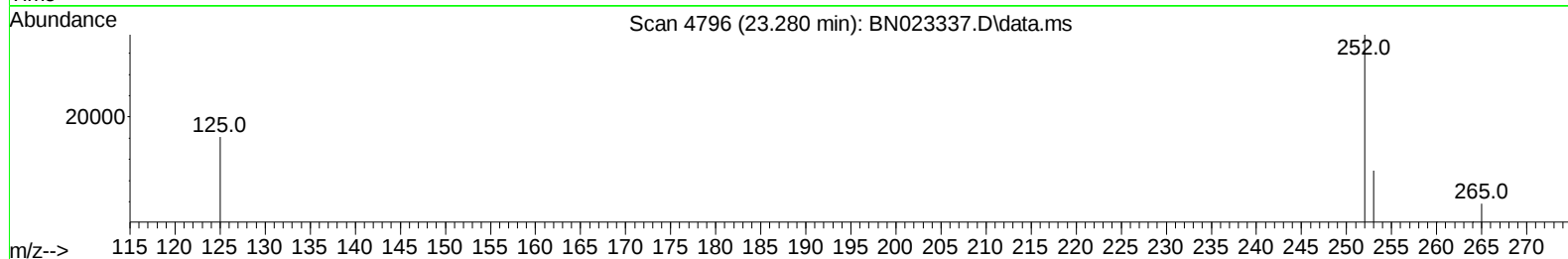
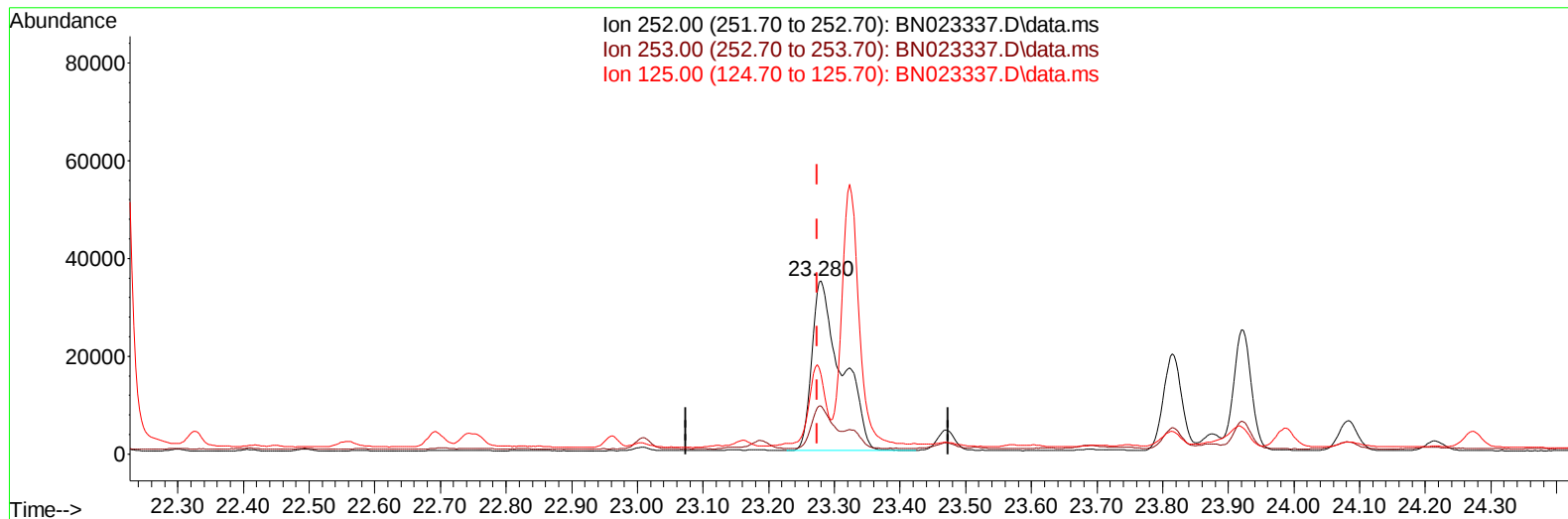
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122222\  
Data File : BN023337.D  
Acq On : 22 Dec 2022 13:46  
Operator : CG/JU  
Sample : N0003-20  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DBXU9

Manual IntegrationsAPPROVED

Quant Time: Dec 22 23:53:18 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN122122.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 22 02:28:40 2022  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2022  
Supervised By :mohammad ahmed 12/23/2022



TIC: BN023337.D\data.ms

(24) Benzo(b)fluoranthene

23.280min (+ 0.006) 0.90 ng/u1

response 108851

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 24.60  | 27.86  |
| 125.00 | 15.90  | 45.75# |
| 0.00   | 0.00   | 0.00   |

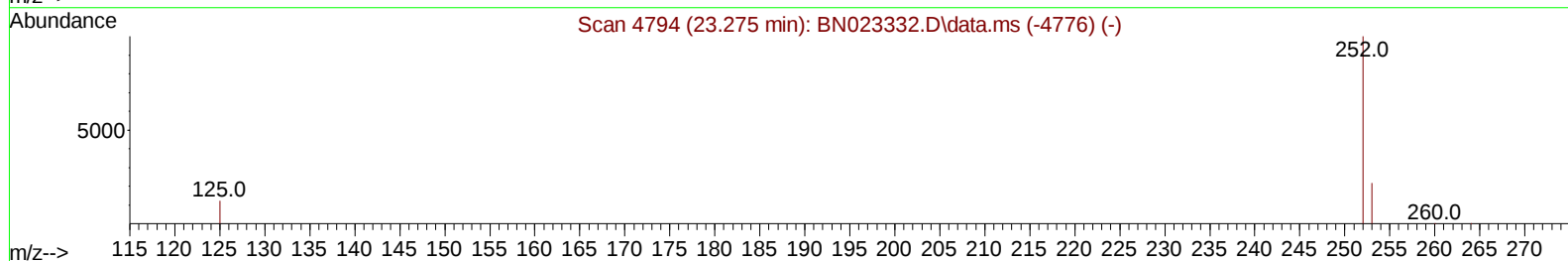
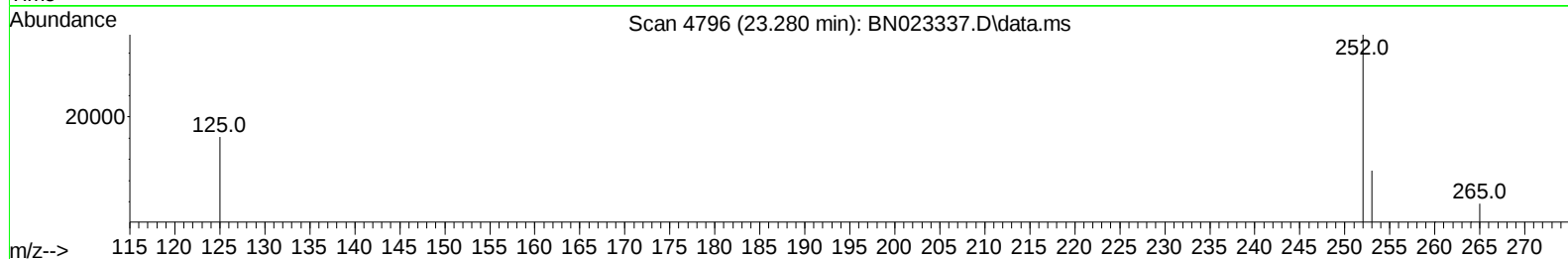
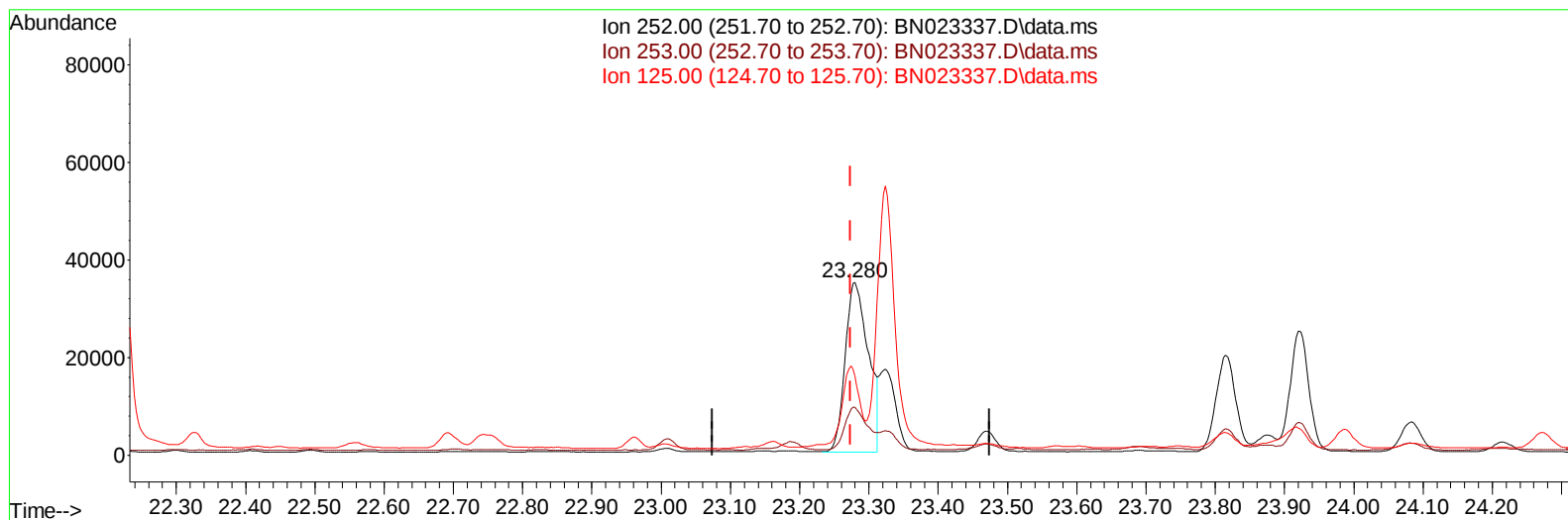
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122222\  
 Data File : BN023337.D  
 Acq On : 22 Dec 2022 13:46  
 Operator : CG/JU  
 Sample : N6003-20  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DBXU9

Manual IntegrationsAPPROVED

Quant Time: Dec 22 23:53:18 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN122122.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 22 02:28:40 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2022  
 Supervised By :mohammad ahmed 12/23/2022



TIC: BN023337.D\data.ms

(24) Benzo(b)fluoranthene

23.280min (+ 0.006) 0.67 ng/u1 m

response 80968

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 24.60  | 27.86  |
| 125.00 | 15.90  | 45.75# |
| 0.00   | 0.00   | 0.00   |

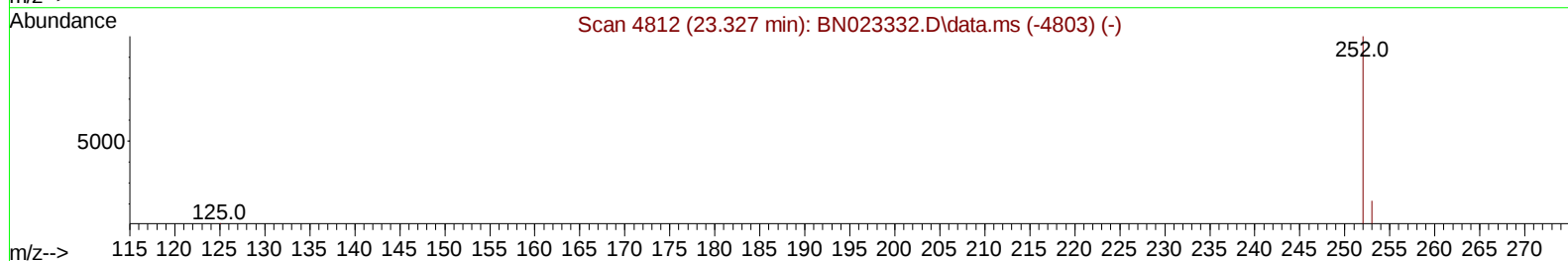
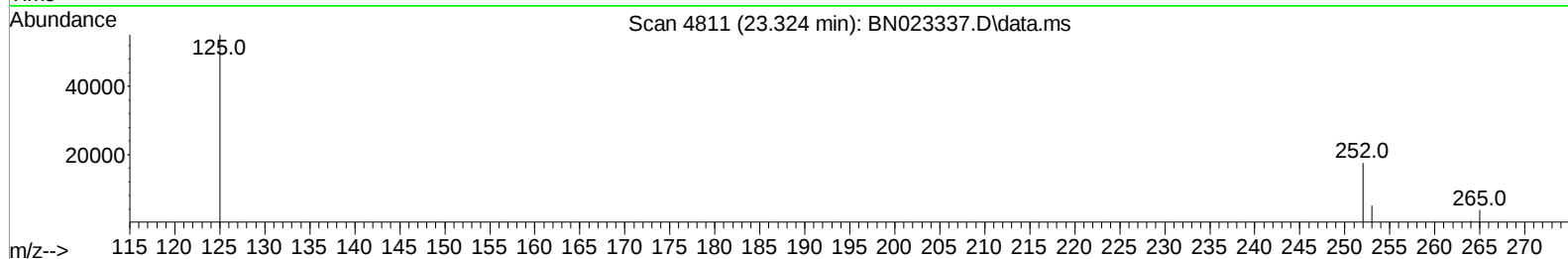
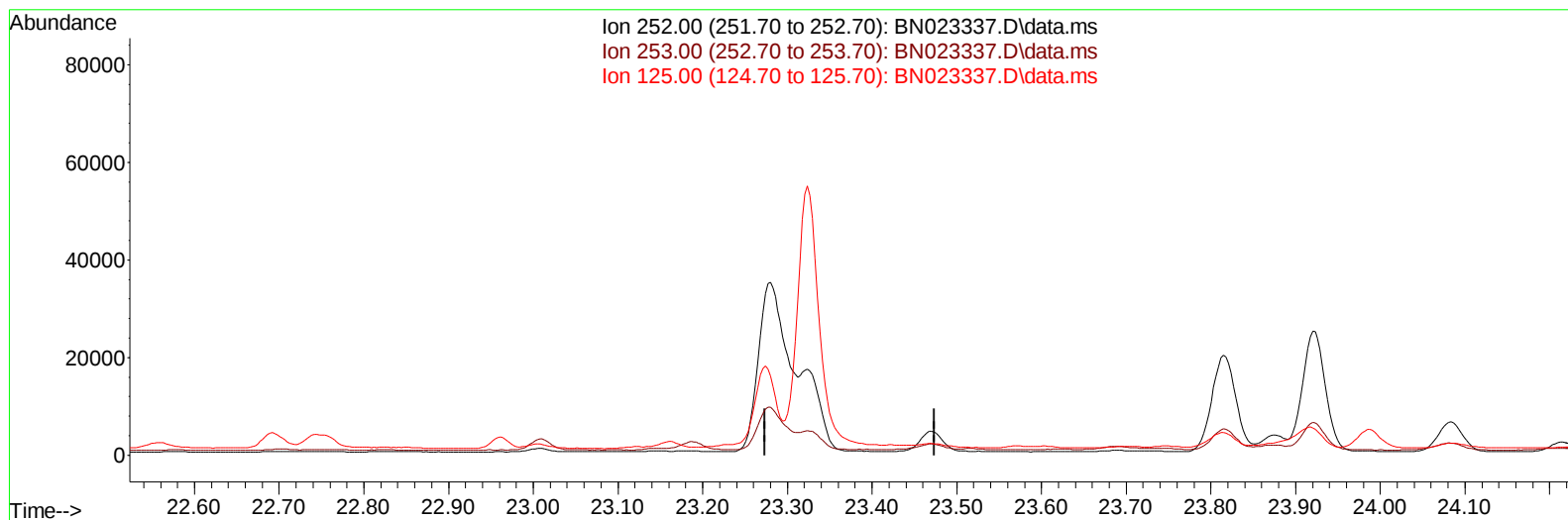
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122222\  
 Data File : BN023337.D  
 Acq On : 22 Dec 2022 13:46  
 Operator : CG/JU  
 Sample : N6003-20  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DBXU9

Manual IntegrationsAPPROVED

Quant Time: Dec 22 23:53:18 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN122122.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 22 02:28:40 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2022  
 Supervised By :mohammad ahmed 12/23/2022



TIC: BN023337.D\data.ms

(25) Benzo(k)fluoranthene

23.324min (-23.324) 0.00 ng/u1

response 0

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 252.00 | 100.00 | 0.00  |
| 253.00 | 24.70  | 0.00# |
| 125.00 | 15.70  | 0.00# |
| 0.00   | 0.00   | 0.00  |

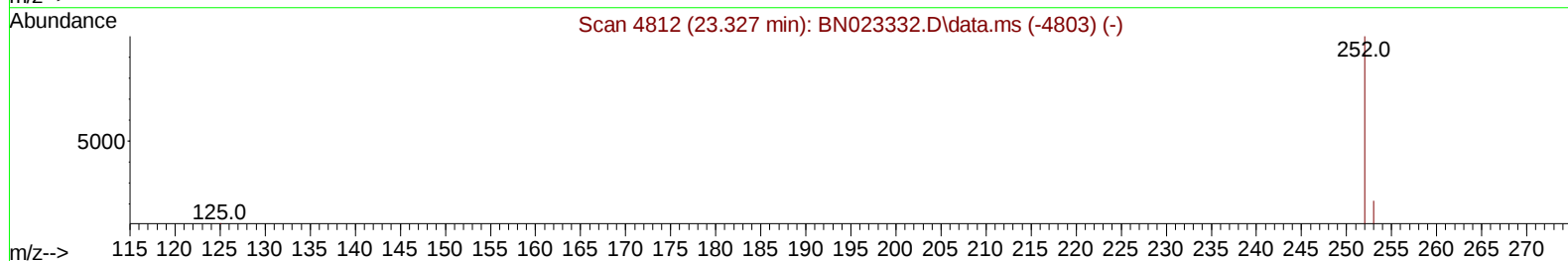
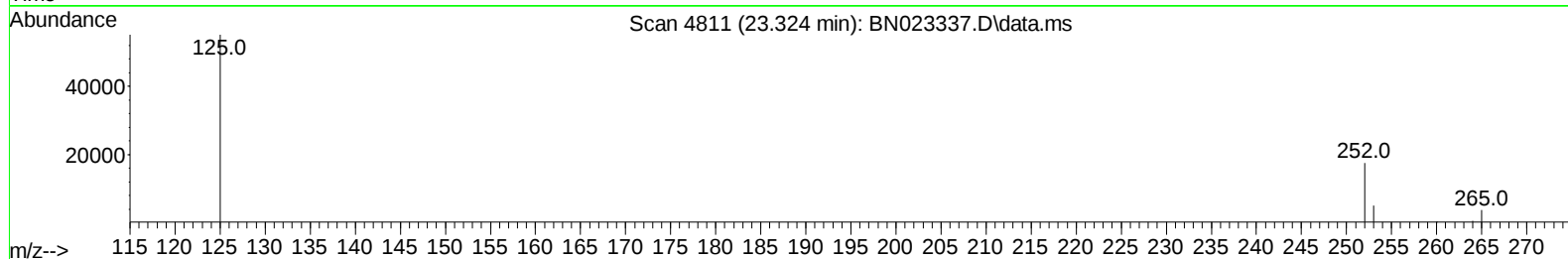
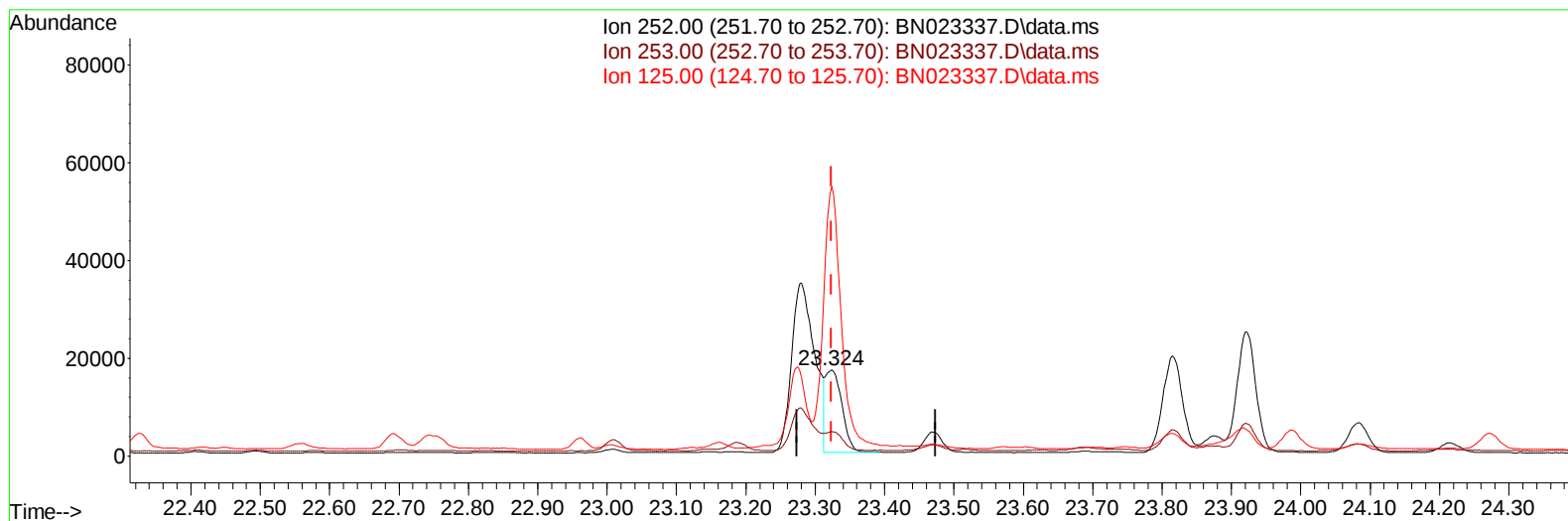
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122222\  
 Data File : BN023337.D  
 Acq On : 22 Dec 2022 13:46  
 Operator : CG/JU  
 Sample : N6003-20  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DBXU9

Manual IntegrationsAPPROVED

Quant Time: Dec 22 23:53:18 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN122122.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 22 02:28:40 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2022  
 Supervised By :mohammad ahmed 12/23/2022



TIC: BN023337.D\data.ms

(25) Benzo(k)fluoranthene

23.324min (+ 0.000) 0.24 ng/ul m

response 27365

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 252.00 | 100.00 | 100.00  |
| 253.00 | 24.70  | 28.48   |
| 125.00 | 15.70  | 313.99# |
| 0.00   | 0.00   | 0.00    |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122222\  
 Data File : BN023337.D  
 Acq On : 22 Dec 2022 13:46  
 Operator : CG/JU  
 Sample : N6003-20  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DBXU9

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/23/2022  
 Supervised By :mohammad ahmed 12/23/2022

Quant Time: Dec 22 23:53:18 2022  
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| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.998  | 152  | 7004     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.815 | 136  | 23244    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.646 | 164  | 14467    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.391 | 188  | 34149    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.582 | 240  | 26809    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 24.031 | 264  | 23264    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.344  | 96   | 45543    | 5.985 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.399 | 152  | 14048    | 0.391 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.421 | 212  | 36883    | 0.380 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.865 | 128  | 3150     | 0.046 | ng/ul# | 92       |
| 7) 2-Methylnaphthalene      | 12.476 | 142  | 1531     | 0.035 | ng/ul  | 96       |
| 8) 1-Methylnaphthalene      | 12.690 | 142  | 1195     | 0.027 | ng/ul  | 97       |
| 10) Acenaphthylene          | 14.368 | 152  | 1680     | 0.026 | ng/ul# | 77       |
| 11) Acenaphthene            | 14.706 | 153  | 1712     | 0.032 | ng/ul  | 95       |
| 14) Pentachlorophenol       | 17.041 | 266  | 266      | 0.028 | ng/ul  | 96       |
| 15) Phenanthrene            | 17.433 | 178  | 32286    | 0.290 | ng/ul  | 97       |
| 16) Anthracene              | 17.526 | 178  | 4637     | 0.050 | ng/ul# | 82       |
| 19) Fluoranthene            | 19.449 | 202  | 93331    | 0.718 | ng/ul# | 63       |
| 20) Pyrene                  | 19.816 | 202  | 71160m   | 0.543 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.561 | 228  | 45653    | 0.437 | ng/ul  | 97       |
| 22) Chrysene                | 21.617 | 228  | 53839    | 0.507 | ng/ul# | 96       |
| 24) Benzo(b)fluoranthene    | 23.280 | 252  | 80968m   | 0.673 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.324 | 252  | 27365m   | 0.242 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.920 | 252  | 46751    | 0.491 | ng/ul  | 98       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.581 | 276  | 36267    | 0.326 | ng/ul# | 87       |
| 28) Dibenzo(a,h)anthracene  | 26.595 | 278  | 9064     | 0.105 | ng/ul# | 66       |
| 29) Benzo(g,h,i)perylene    | 27.376 | 276  | 31813    | 0.351 | ng/ul# | 93       |
| -----                       |        |      |          |       |        |          |

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

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Sample : N6003-20  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DBXU9

## Manual IntegrationsAPPROVED

Quant Time: Dec 22 23:53:18 2022  
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QLast Update : Thu Dec 22 02:28:40 2022  
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Reviewed By :Jagrut Upadhyay 12/23/2022  
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