

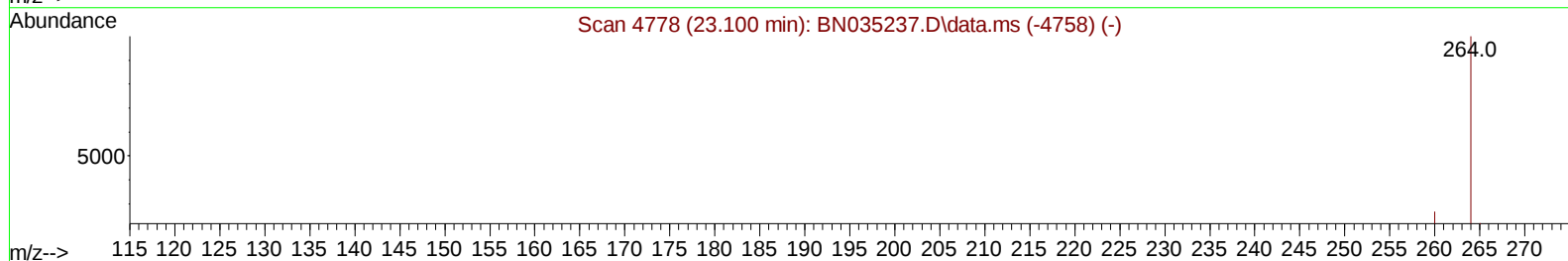
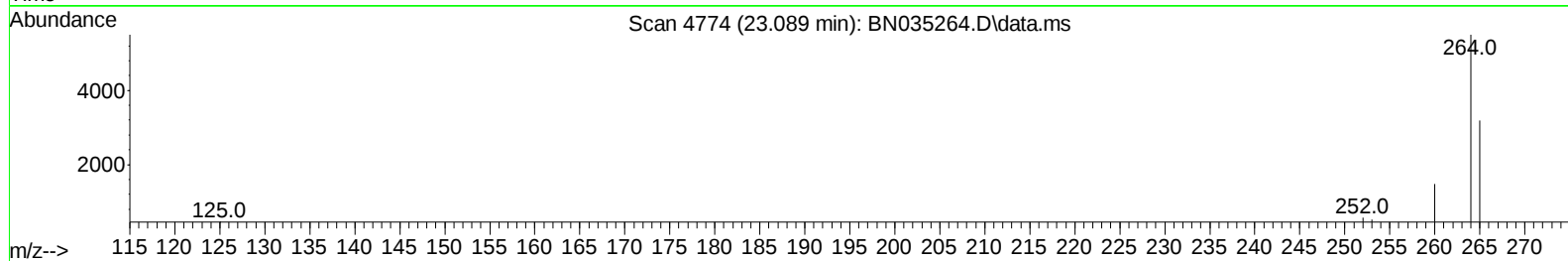
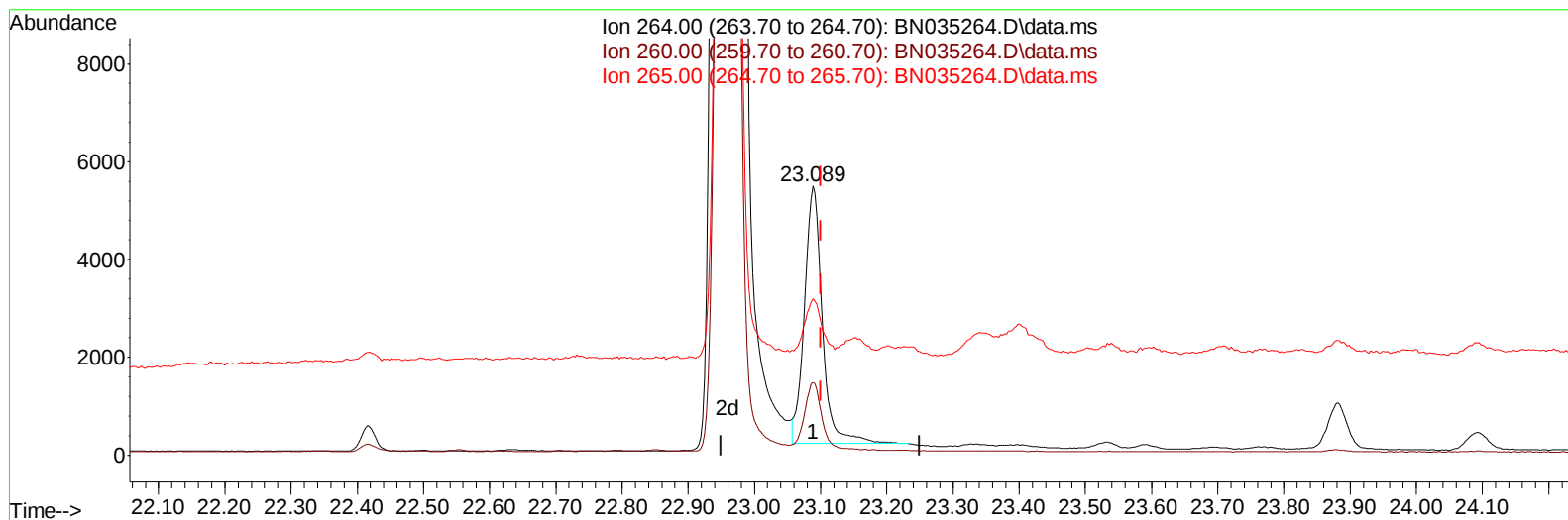
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112224\  
Data File : BN035264.D  
Acq On : 23 Nov 2024 05:11  
Operator : RC/JU  
Sample : P4872-04  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E29X4

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 11/26/2024  
Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 23 05:34:21 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN111624.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 22 12:45:23 2024  
Response via : Initial Calibration



TIC: BN035264.D\data.ms

## (23) Perylene-d12 (I)

23.089min (-0.012) 0.40 ng/u1

response 10005

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 26.20  | 26.95  |
| 265.00 | 75.50  | 58.09# |
| 0.00   | 0.00   | 0.00   |

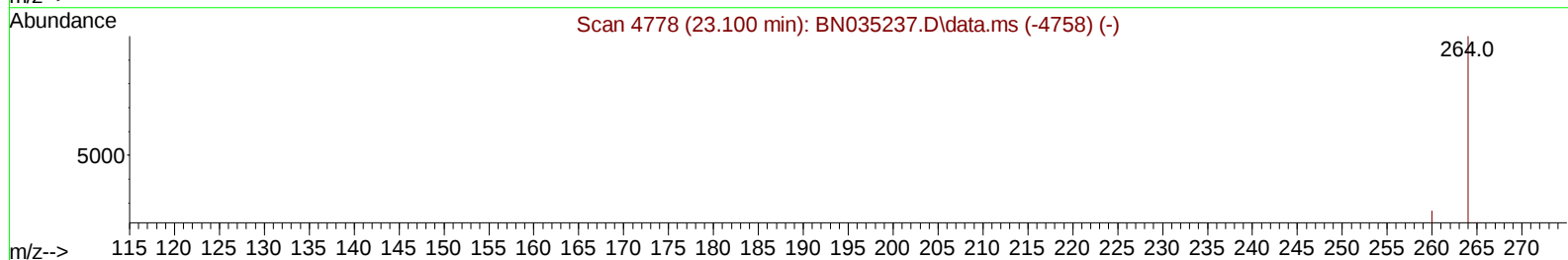
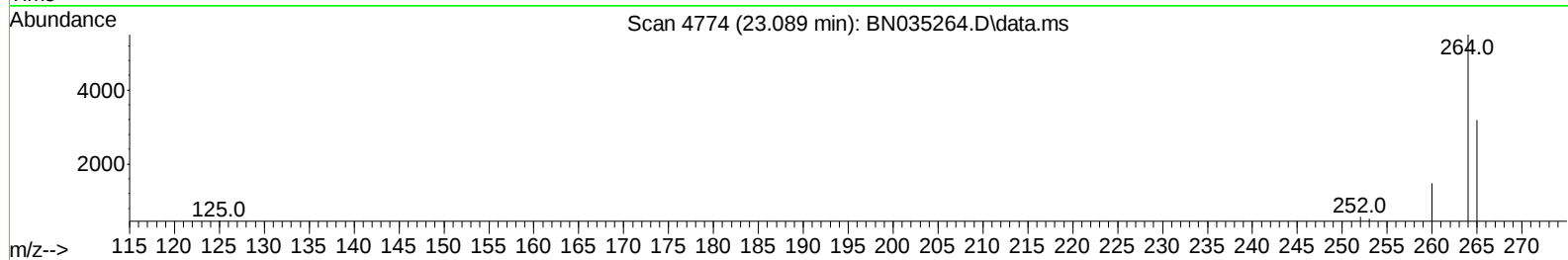
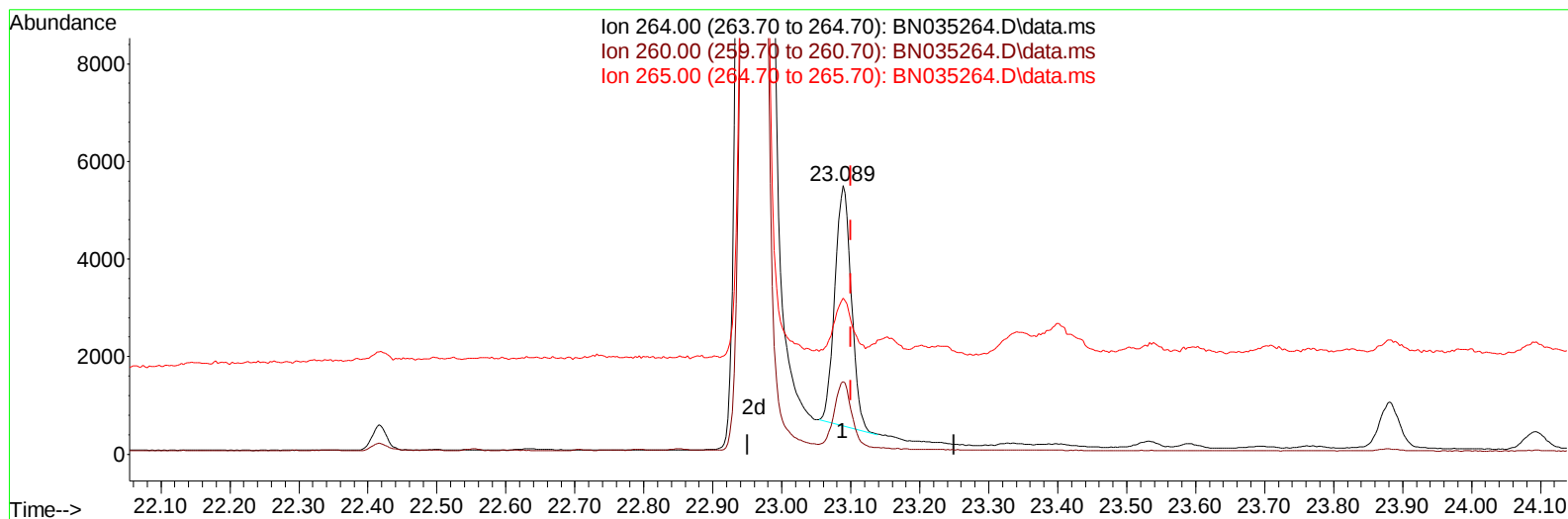
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112224\  
Data File : BN035264.D  
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Operator : RC/JU  
Sample : P4872-04  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E29X4

Manual IntegrationsAPPROVED

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TIC: BN035264.D\data.ms

(23) Perylene-d12 (I)

23.089min (-0.012) 0.40 ng/ul m

response 8189

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 26.20  | 26.95  |
| 265.00 | 75.50  | 58.09# |
| 0.00   | 0.00   | 0.00   |

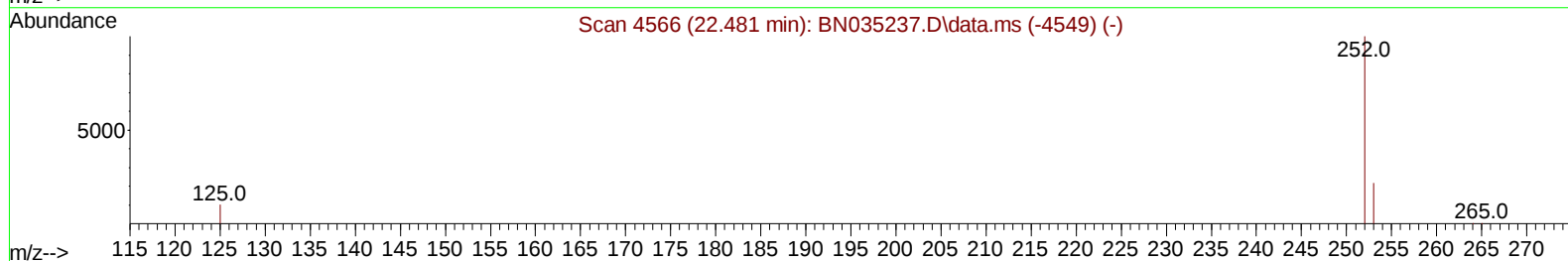
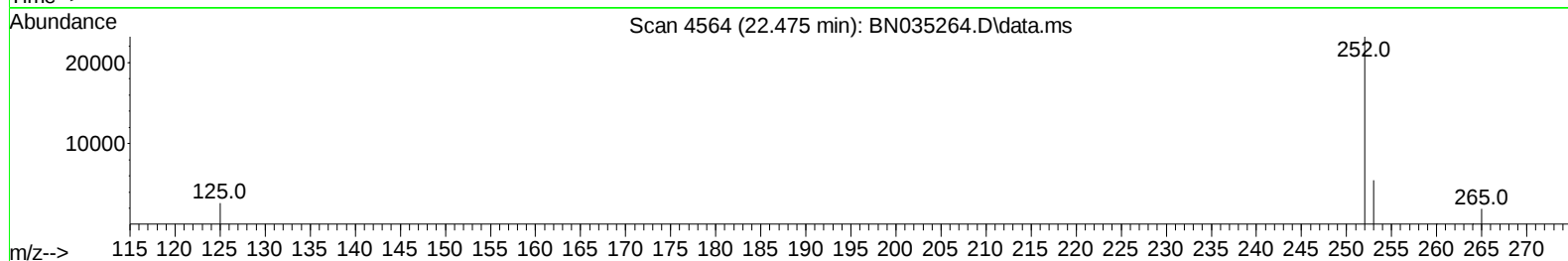
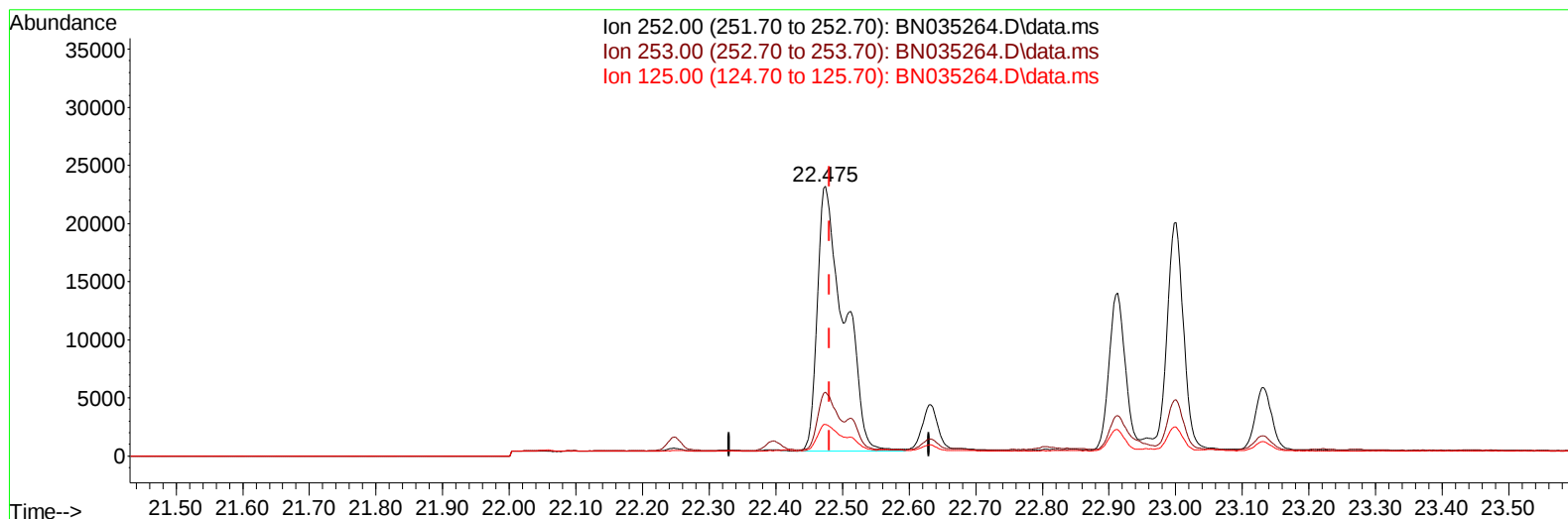
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112224\  
Data File : BN035264.D  
Acq On : 23 Nov 2024 05:11  
Operator : RC/JU  
Sample : P4872-04  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E29X4

Manual IntegrationsAPPROVED

Quant Time: Nov 23 05:34:21 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN111624.M  
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QLast Update : Fri Nov 22 12:45:23 2024  
Response via : Initial Calibration

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TIC: BN035264.D\data.ms

(24) Benzo(b)fluoranthene

22.475min (-0.006) 2.35 ng/u1

response 63664

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 27.00  | 23.74  |
| 125.00 | 9.70   | 11.64  |
| 0.00   | 0.00   | 0.00   |

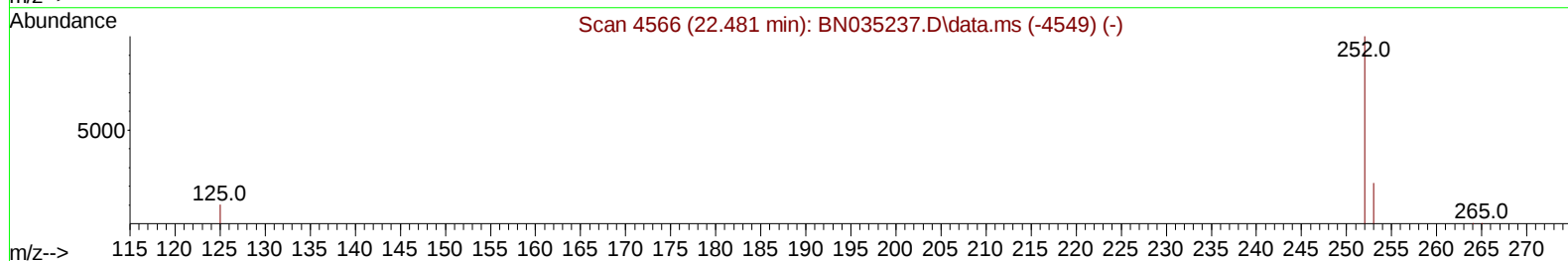
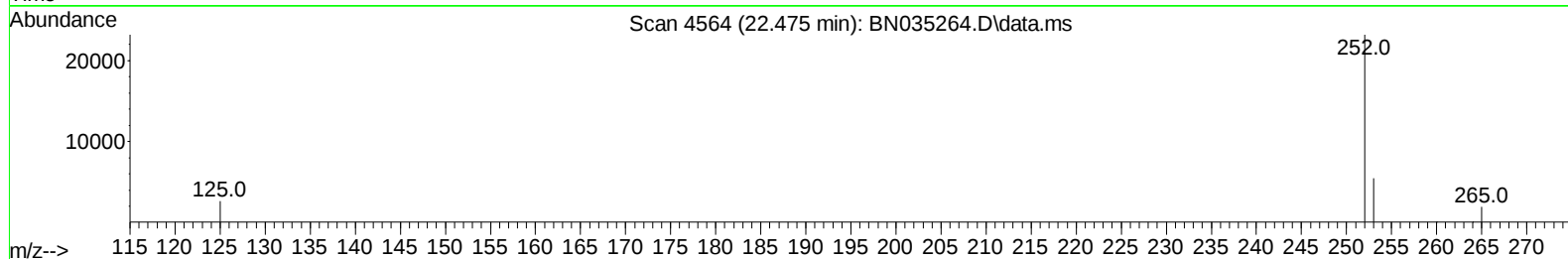
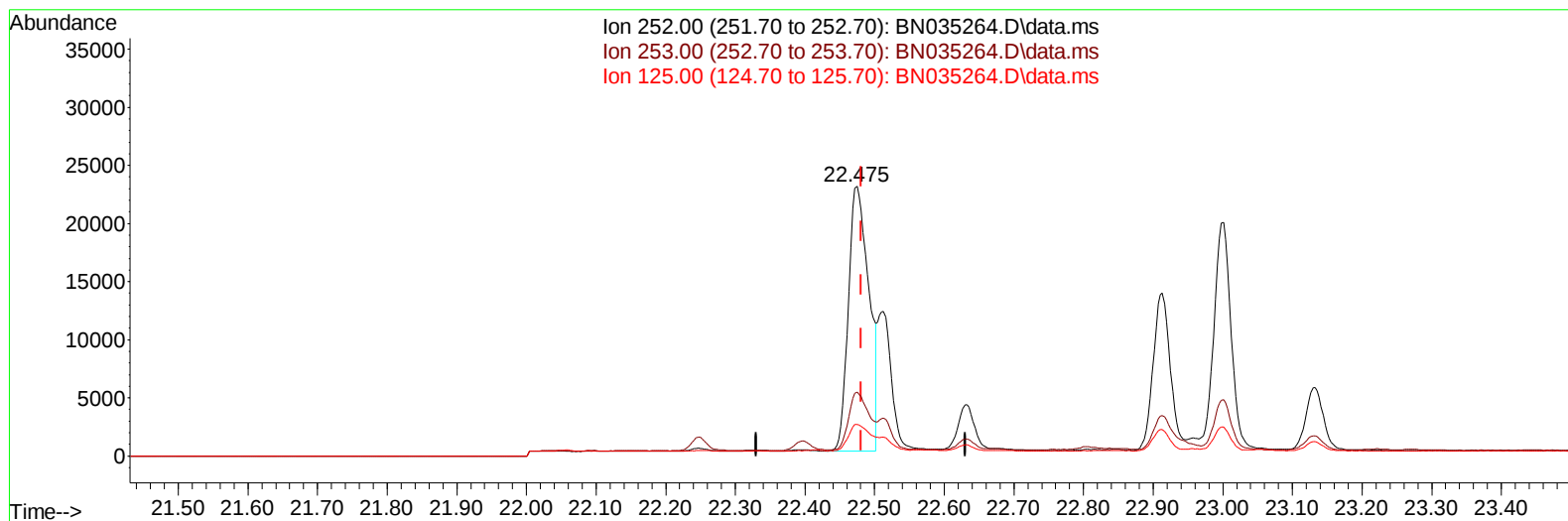
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112224\  
Data File : BN035264.D  
Acq On : 23 Nov 2024 05:11  
Operator : RC/JU  
Sample : P4872-04  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E29X4

Manual IntegrationsAPPROVED

Quant Time: Nov 23 05:34:21 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN111624.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 22 12:45:23 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 11/26/2024  
Supervised By :mohammad ahmed 11/27/2024



TIC: BN035264.D\data.ms

(24) Benzo(b)fluoranthene

22.475min (-0.006) 1.71 ng/u1 m

response 46398

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 27.00  | 23.74  |
| 125.00 | 9.70   | 11.64  |
| 0.00   | 0.00   | 0.00   |

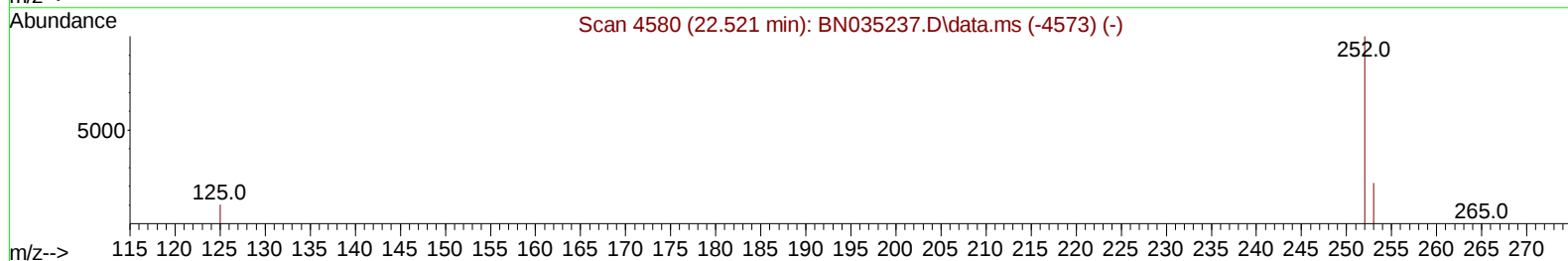
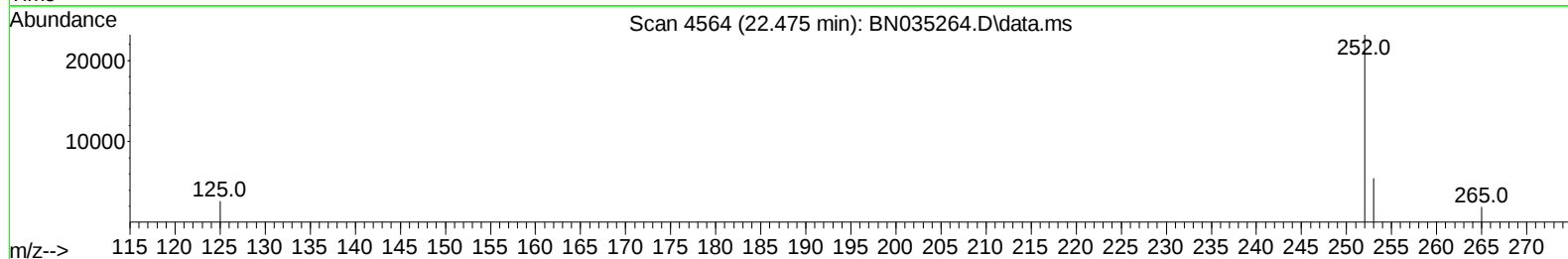
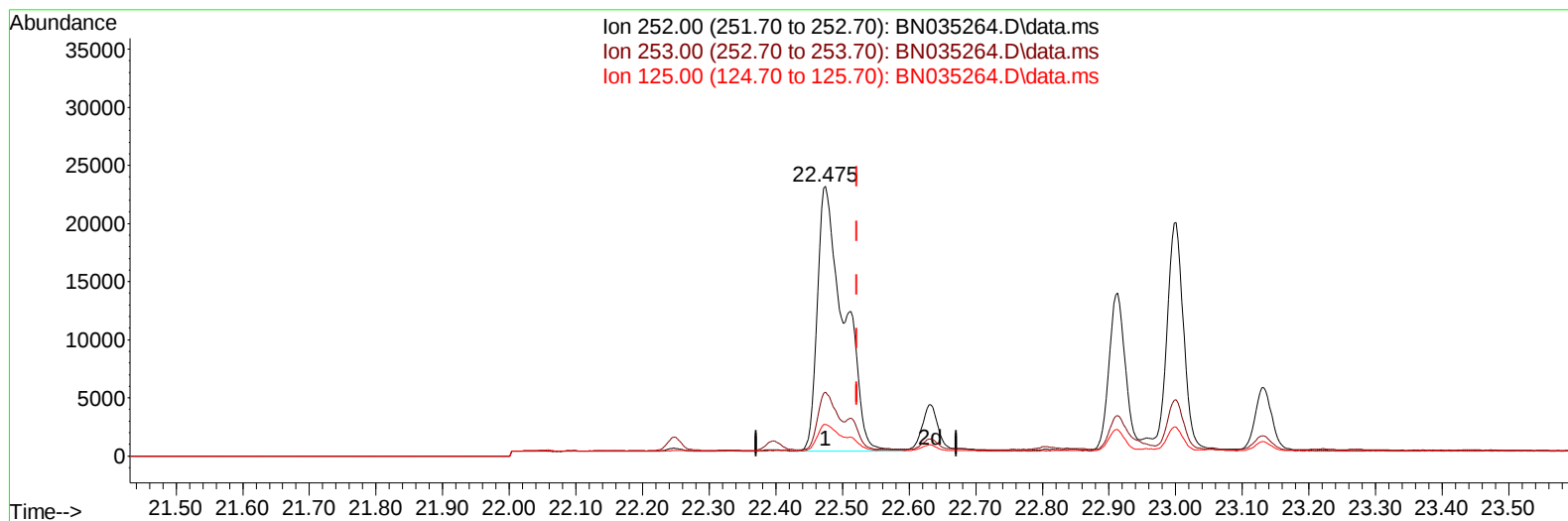
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112224\  
Data File : BN035264.D  
Acq On : 23 Nov 2024 05:11  
Operator : RC/JU  
Sample : P4872-04  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E29X4

Manual IntegrationsAPPROVED

Quant Time: Nov 23 05:34:21 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN111624.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 22 12:45:23 2024  
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Reviewed By :Jagrut Upadhyay 11/26/2024  
Supervised By :mohammad ahmed 11/27/2024



TIC: BN035264.D\data.ms

(25) Benzo(k)fluoranthene

22.475min (-0.047) 2.28 ng/u1

response 63664

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 27.20  | 23.74  |
| 125.00 | 10.70  | 11.64  |
| 0.00   | 0.00   | 0.00   |

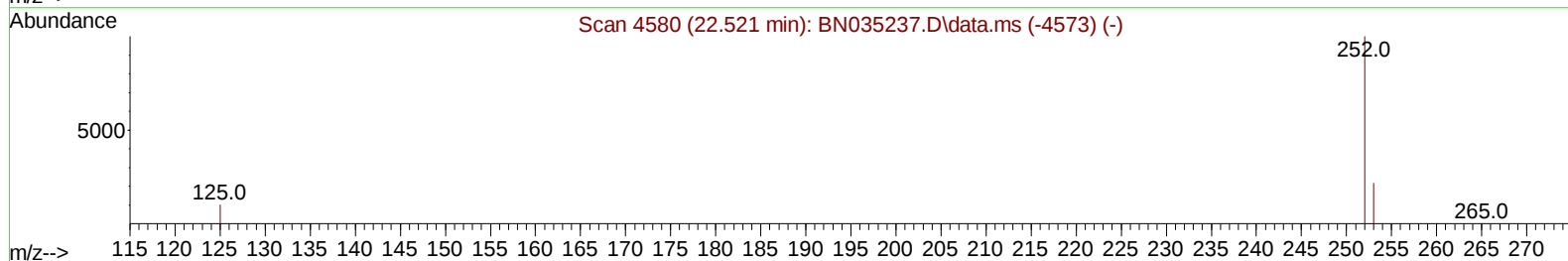
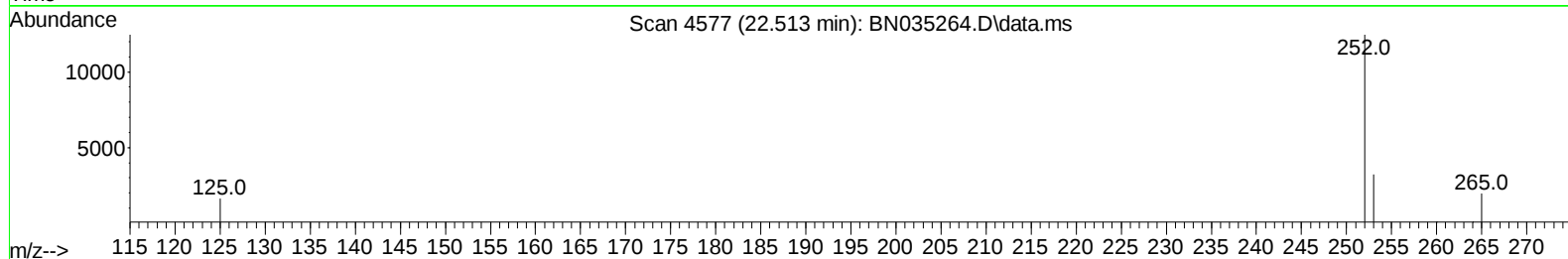
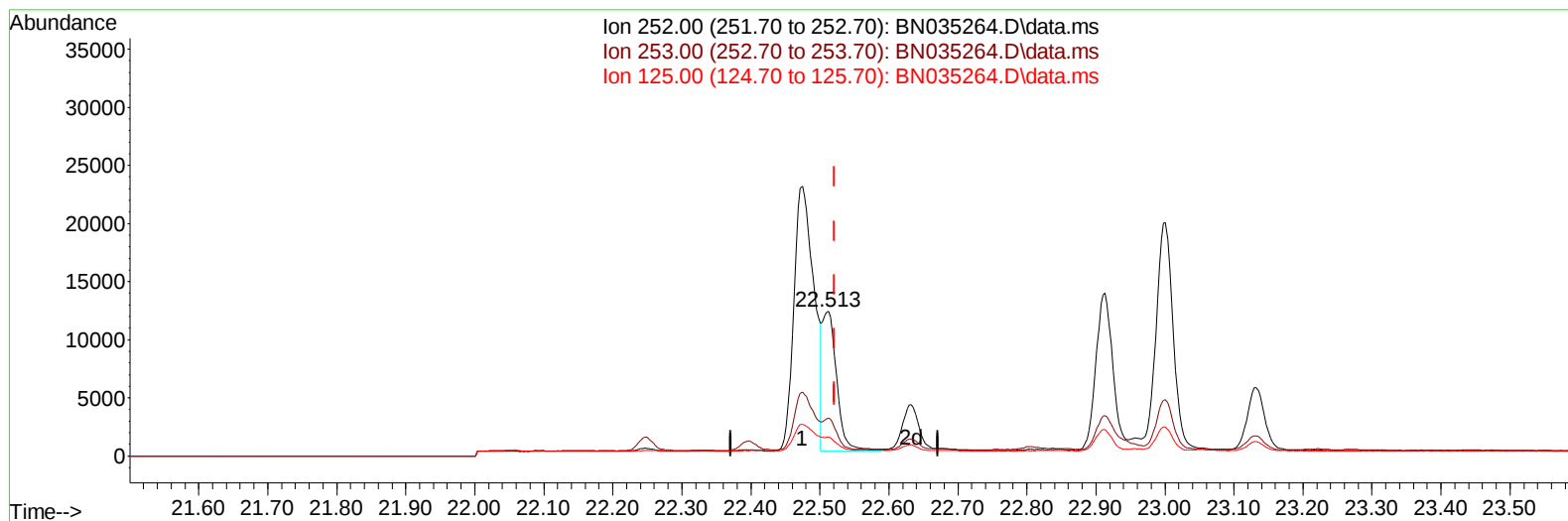
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112224\  
Data File : BN035264.D  
Acq On : 23 Nov 2024 05:11  
Operator : RC/JU  
Sample : P4872-04  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E29X4

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 11/26/2024  
Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 23 05:34:21 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN111624.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 22 12:45:23 2024  
Response via : Initial Calibration



TIC: BN035264.D\data.ms

## (25) Benzo(k)fluoranthene

22.513min (-0.009) 0.62 ng/u1 m

response 17245

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 27.20  | 26.00  |
| 125.00 | 10.70  | 13.07# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112224\  
 Data File : BN035264.D  
 Acq On : 23 Nov 2024 05:11  
 Operator : RC/JU  
 Sample : P4872-04  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 E29X4

Manual IntegrationsAPPROVED

Quant Time: Nov 23 05:34:21 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN111624.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 22 12:45:23 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 11/26/2024  
 Supervised By :mohammad ahmed 11/27/2024

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.318  | 152  | 4265     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.064 | 136  | 11131    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 13.981 | 164  | 6698     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.747 | 188  | 13771    | 0.400 | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 20.988 | 240  | 8828     | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.089 | 264  | 8189m    | 0.400 | ng/ul  | -0.01    |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 2.976  | 96   | 8455     | 2.169 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.670 | 152  | 2595     | 0.159 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.795 | 212  | 5544     | 0.228 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.113 | 128  | 752      | 0.027 | ng/ul# | 79       |
| 7) 2-Methylnaphthalene      | 11.747 | 142  | 411      | 0.021 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 11.972 | 142  | 626      | 0.032 | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.690 | 152  | 7754     | 0.292 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.041 | 153  | 1215     | 0.060 | ng/ul  | 94       |
| 12) Fluorene                | 15.045 | 166  | 4954     | 0.208 | ng/ul  | 99       |
| 15) Phenanthrene            | 16.785 | 178  | 69174    | 1.900 | ng/ul  | 99       |
| 16) Anthracene              | 16.878 | 178  | 14056    | 0.416 | ng/ul  | 99       |
| 19) Fluoranthene            | 18.828 | 202  | 118537   | 3.857 | ng/ul# | 96       |
| 20) Pyrene                  | 19.195 | 202  | 94280    | 2.948 | ng/ul# | 92       |
| 21) Benzo(a)anthracene      | 20.973 | 228  | 37025    | 1.209 | ng/ul  | 95       |
| 22) Chrysene                | 21.023 | 228  | 37324    | 1.211 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.475 | 252  | 46398m   | 1.714 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.513 | 252  | 17245m   | 0.618 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.001 | 252  | 33395    | 1.350 | ng/ul  | 94       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.134 | 276  | 24552    | 0.735 | ng/ul# | 84       |
| 28) Dibenzo(a,h)anthracene  | 25.144 | 278  | 5606     | 0.214 | ng/ul# | 86       |
| 29) Benzo(g,h,i)perylene    | 25.755 | 276  | 23066    | 0.876 | ng/ul# | 93       |
| -----                       |        |      |          |       |        |          |

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

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BNA\_N  
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E29X4

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