

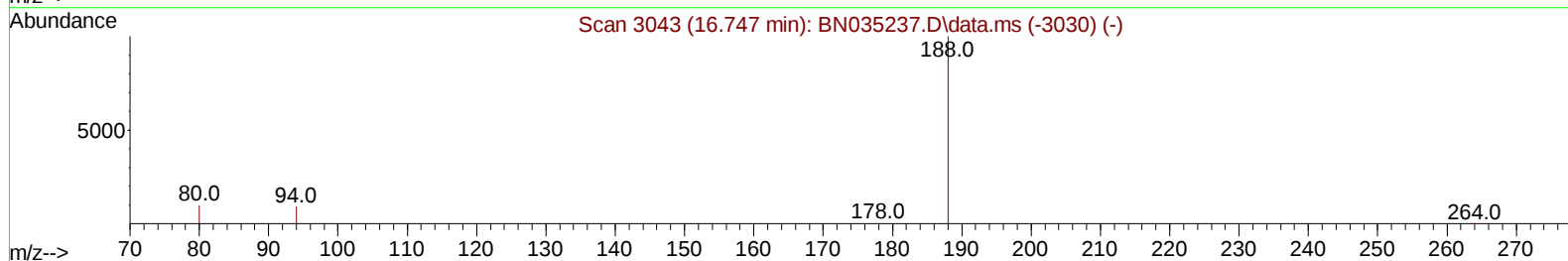
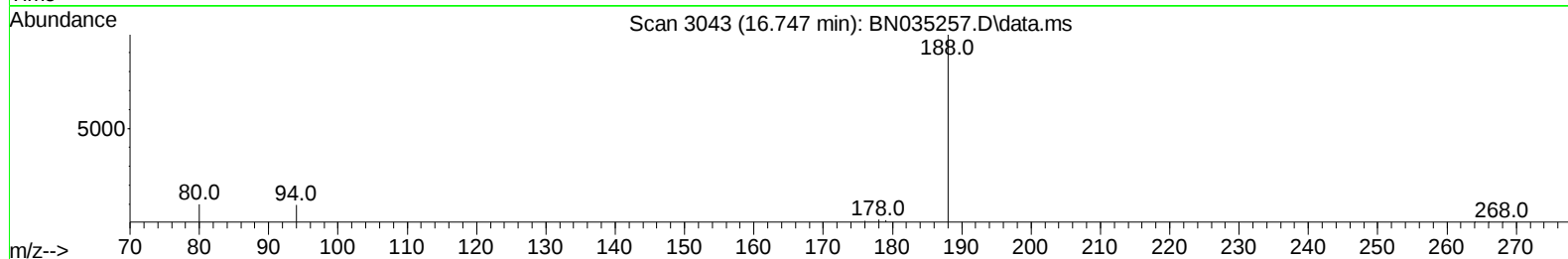
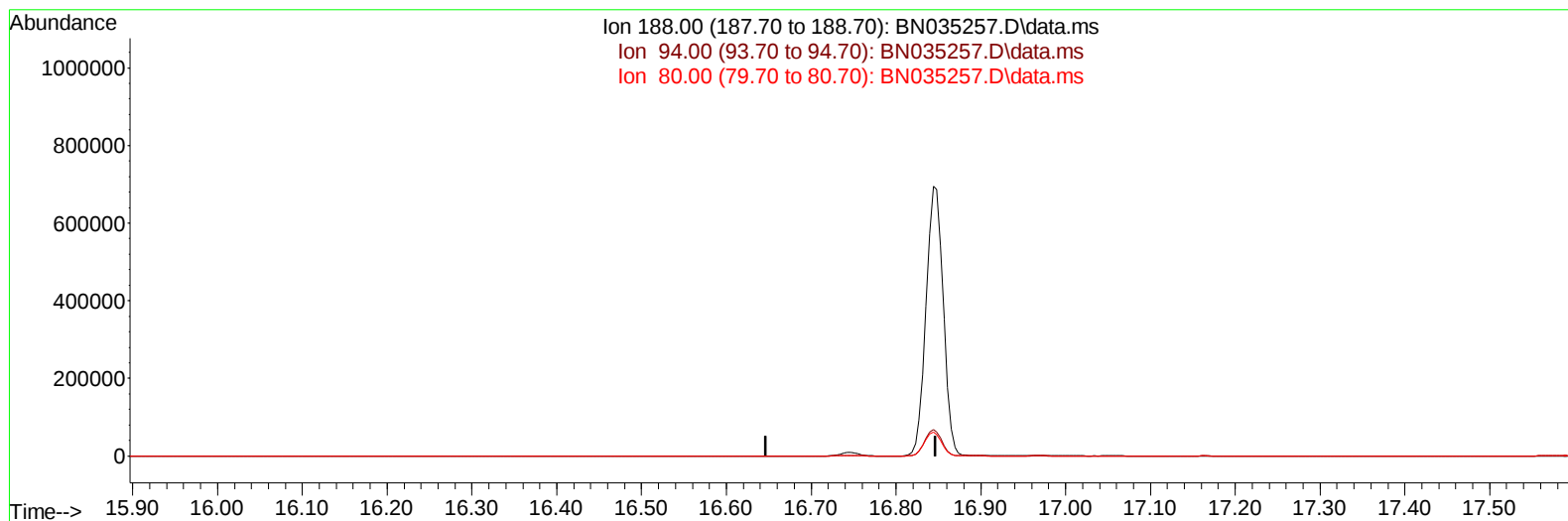
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112224\  
Data File : BN035257.D  
Acq On : 23 Nov 2024 00:58  
Operator : RC/JU  
Sample : P4872-17  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E29Y4

Manual IntegrationsAPPROVED

Quant Time: Nov 23 01:22:42 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: BN035257.D\data.ms

**(13) Phenanthrene-d10 (I)**

**16.747min (-16.747) 0.00 ng/u1**

**response 0**

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 188.00 | 100.00 | 0.00  |
| 94.00  | 7.00   | 0.00# |
| 80.00  | 7.60   | 0.00# |
| 0.00   | 0.00   | 0.00  |

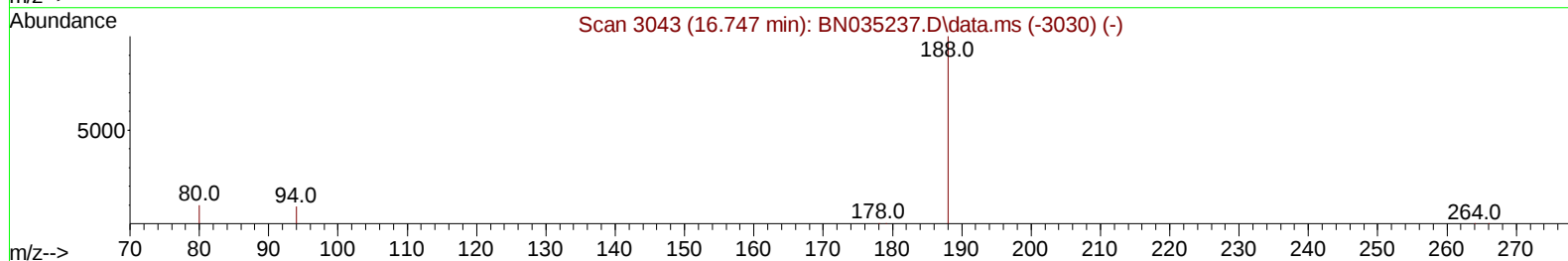
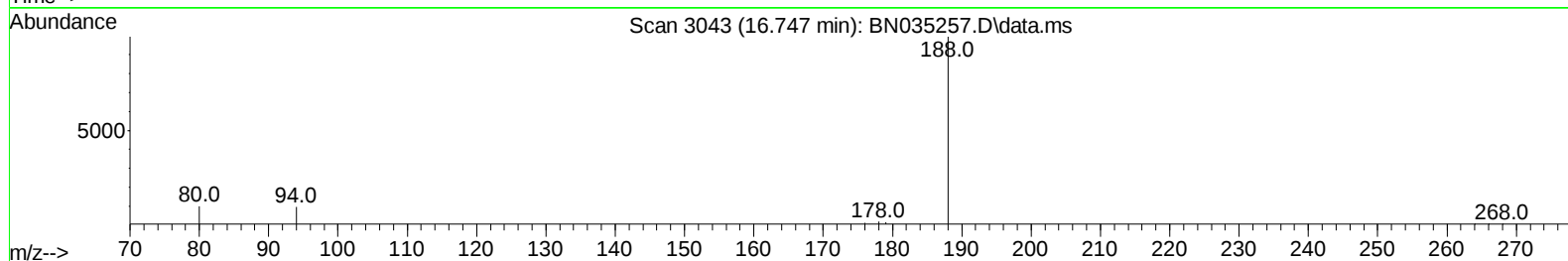
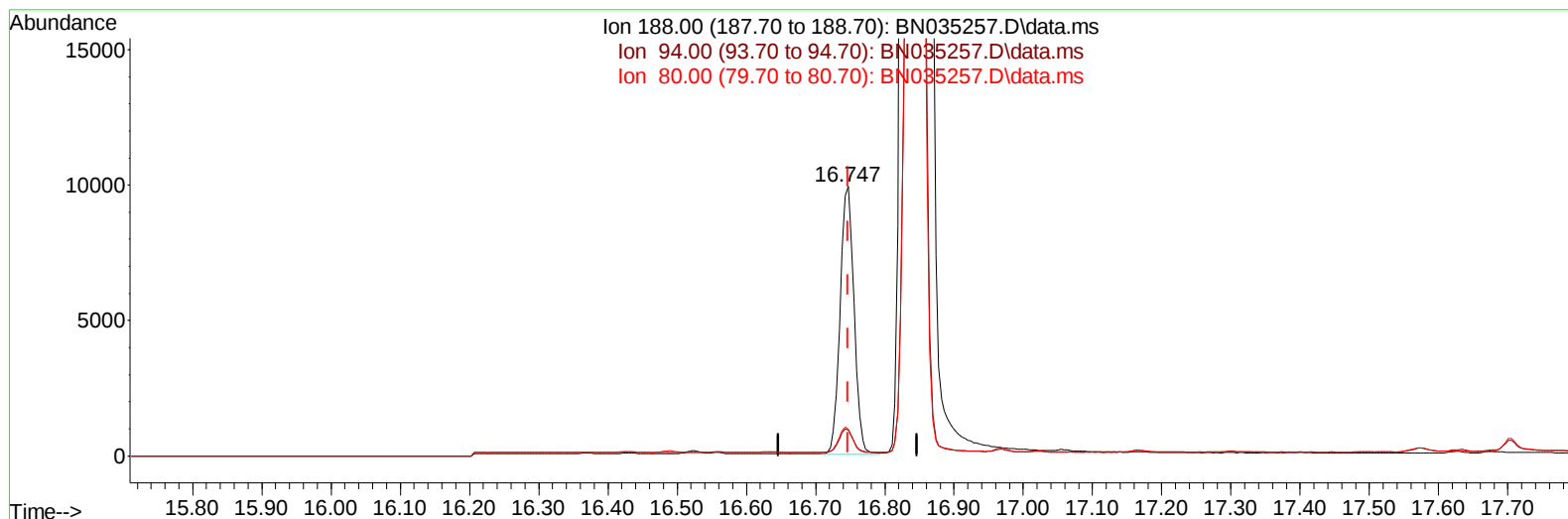
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112224\  
Data File : BN035257.D  
Acq On : 23 Nov 2024 00:58  
Operator : RC/JU  
Sample : P4872-17  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E29Y4

Manual IntegrationsAPPROVED

Quant Time: Nov 23 01:22:42 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: BN035257.D\data.ms

**(13) Phenanthrene-d10 (I)**

**16.747min (+ 0.000) 0.40 ng/ul m**

**response 13710**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 7.00   | 9.53#  |
| 80.00  | 7.60   | 9.78#  |
| 0.00   | 0.00   | 0.00   |

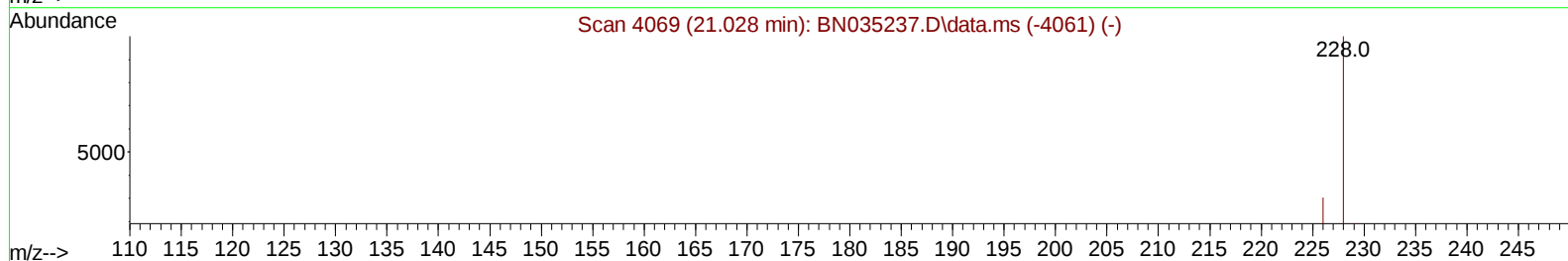
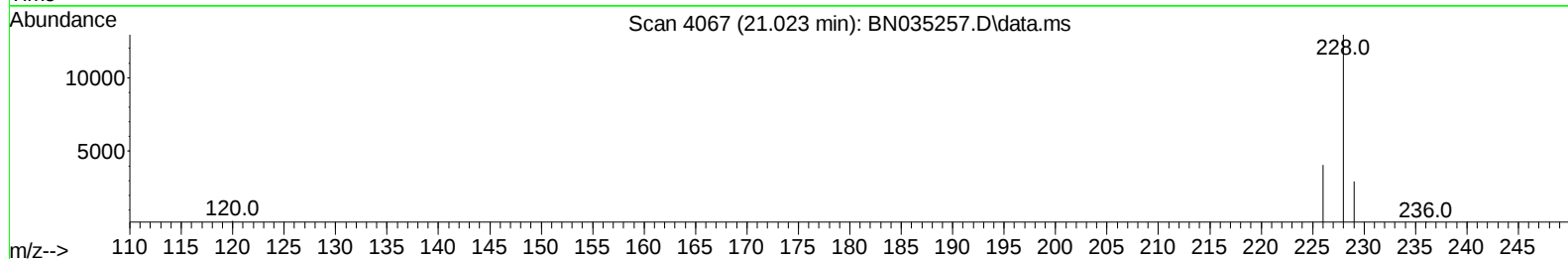
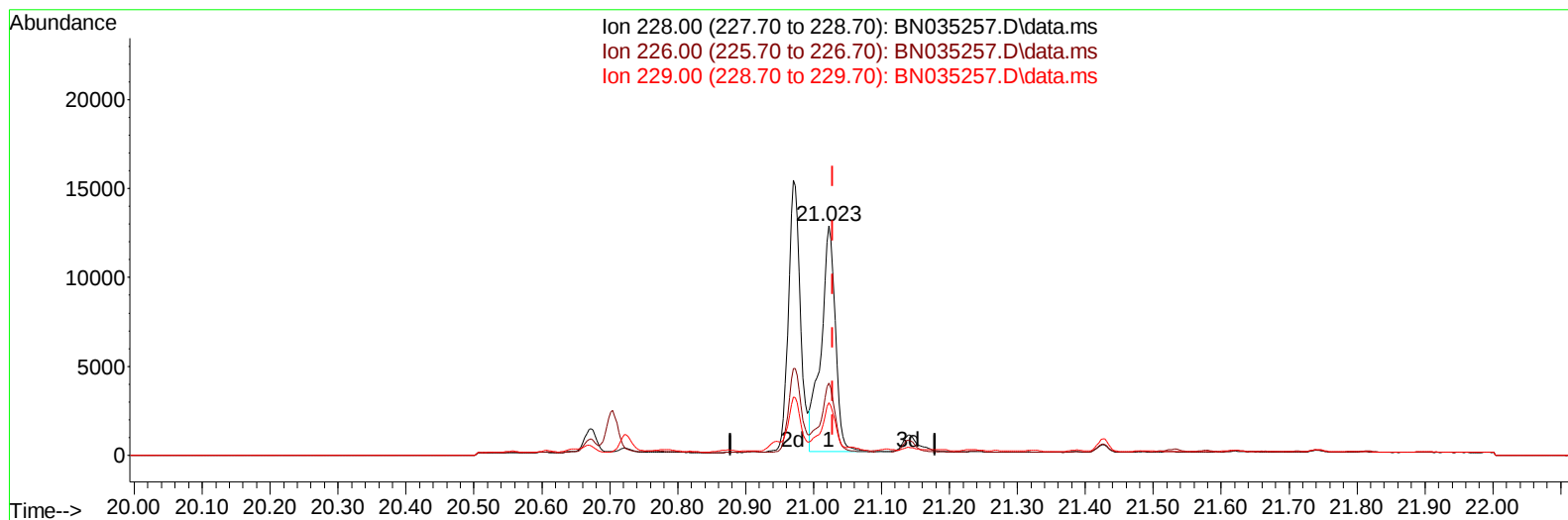
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112224\  
Data File : BN035257.D  
Acq On : 23 Nov 2024 00:58  
Operator : RC/JU  
Sample : P4872-17  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E29Y4

Manual IntegrationsAPPROVED

Quant Time: Nov 23 01:22:42 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: BN035257.D\data.ms

(22) Chrysene

21.023min (-0.006) 0.55 ng/u1

response 18753

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 30.90  | 31.37  |
| 229.00 | 20.00  | 22.69  |
| 0.00   | 0.00   | 0.00   |

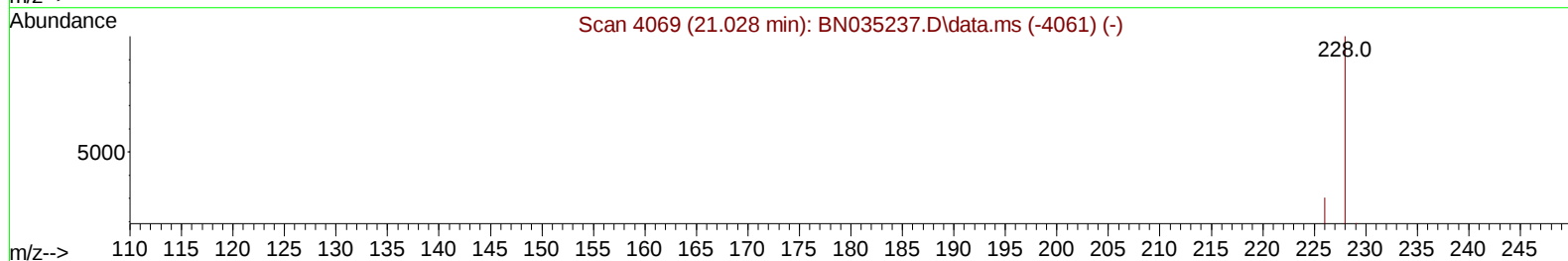
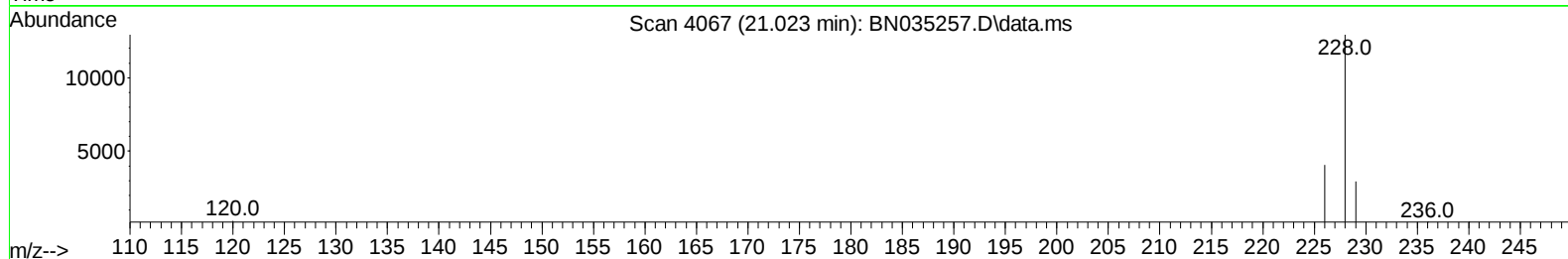
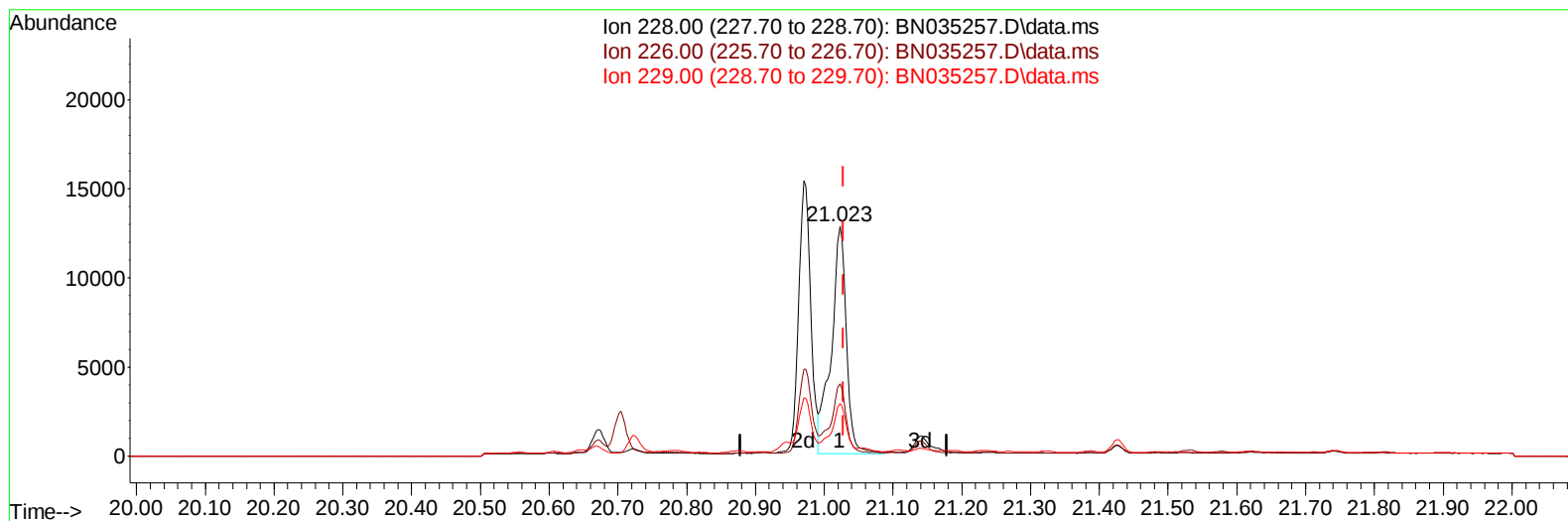
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 Data File : BN035257.D  
 Acq On : 23 Nov 2024 00:58  
 Operator : RC/JU  
 Sample : P4872-17  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 E29Y4

Manual IntegrationsAPPROVED

Quant Time: Nov 23 01:22:42 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: BN035257.D\data.ms

(22) Chrysene

21.023min (-0.006) 0.57 ng/u1 m

response 19593

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 30.90  | 31.37  |
| 229.00 | 20.00  | 22.69  |
| 0.00   | 0.00   | 0.00   |

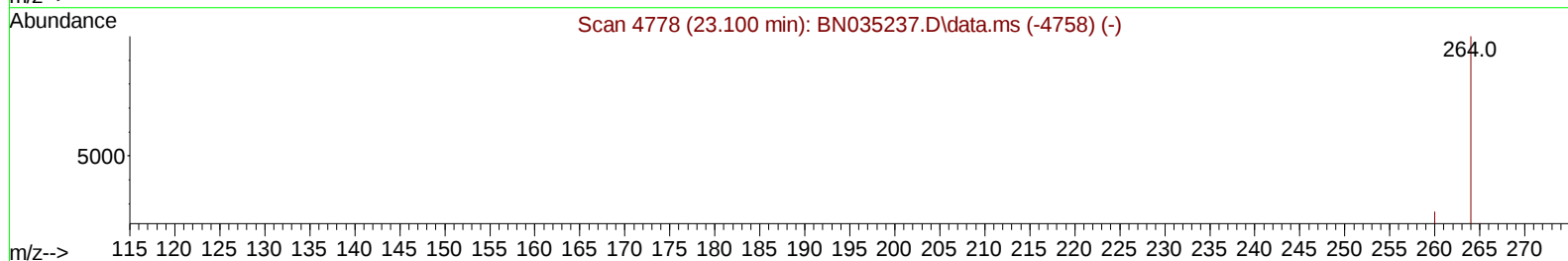
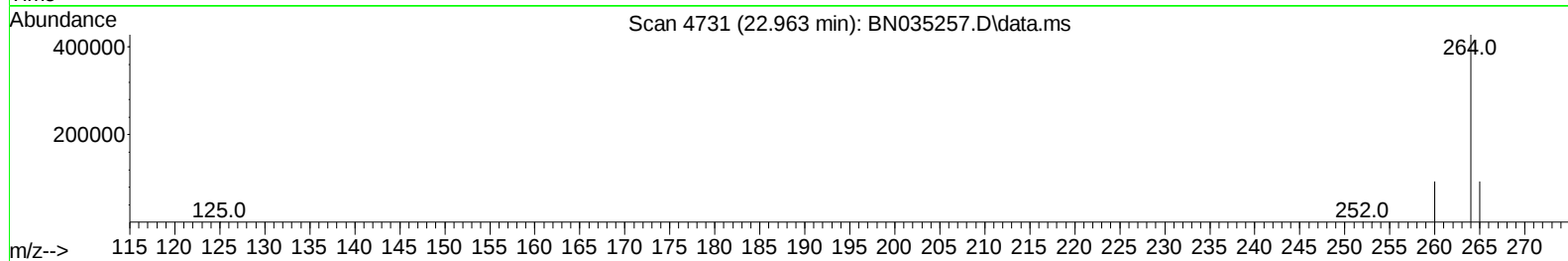
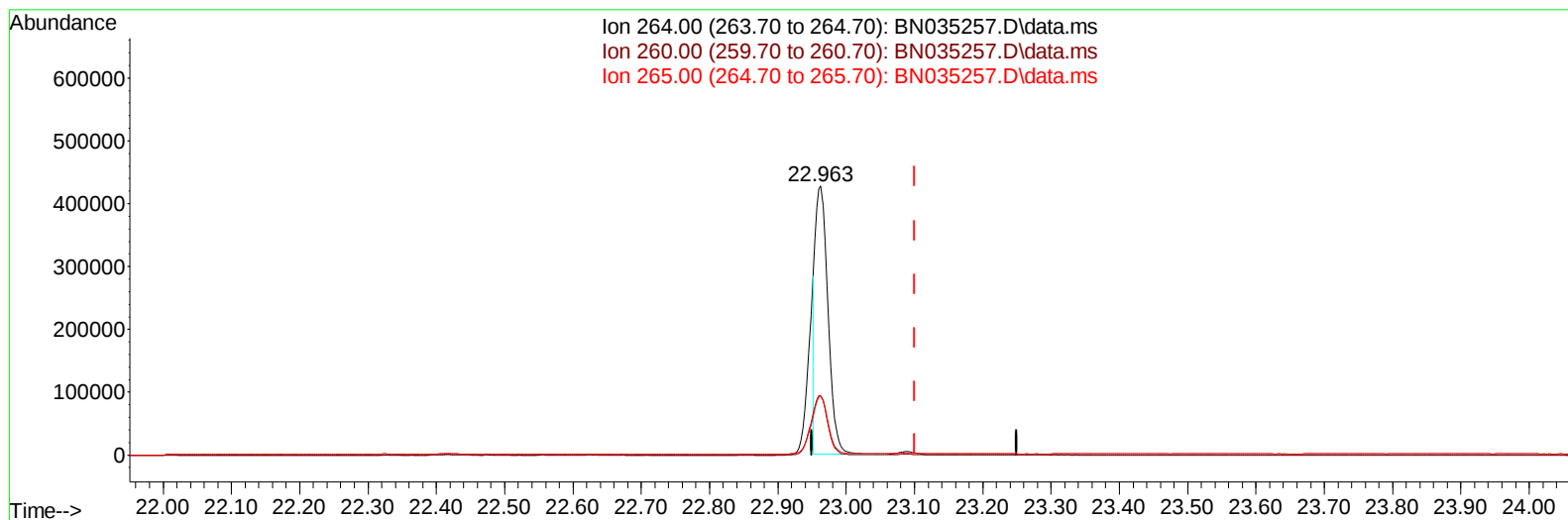
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112224\  
 Data File : BN035257.D  
 Acq On : 23 Nov 2024 00:58  
 Operator : RC/JU  
 Sample : P4872-17  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 E29Y4

Manual IntegrationsAPPROVED

Quant Time: Nov 23 01:22:42 2024  
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Reviewed By :Jagrut Upadhyay 11/26/2024  
 Supervised By :mohammad ahmed 11/27/2024



TIC: BN035257.D\data.ms

**(23) Perylene-d12 (I)**

22.963min (-0.137) 0.40 ng/u1

response 556579

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 26.20  | 21.98  |
| 265.00 | 75.50  | 21.95# |
| 0.00   | 0.00   | 0.00   |

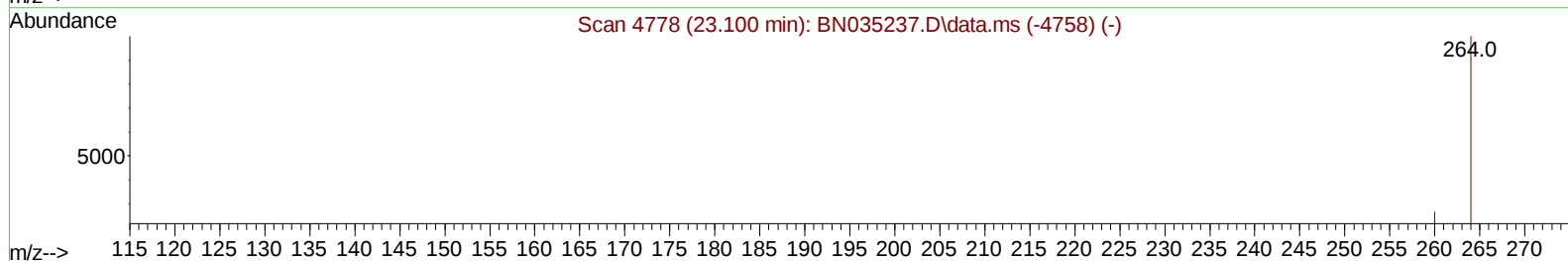
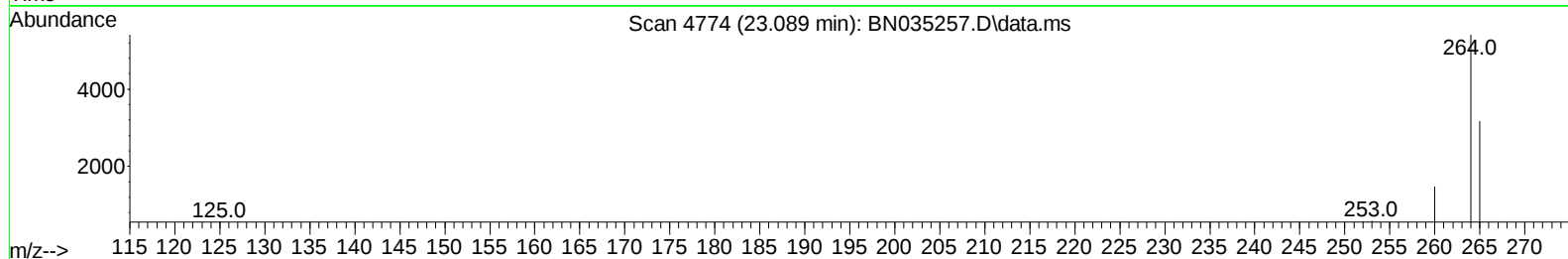
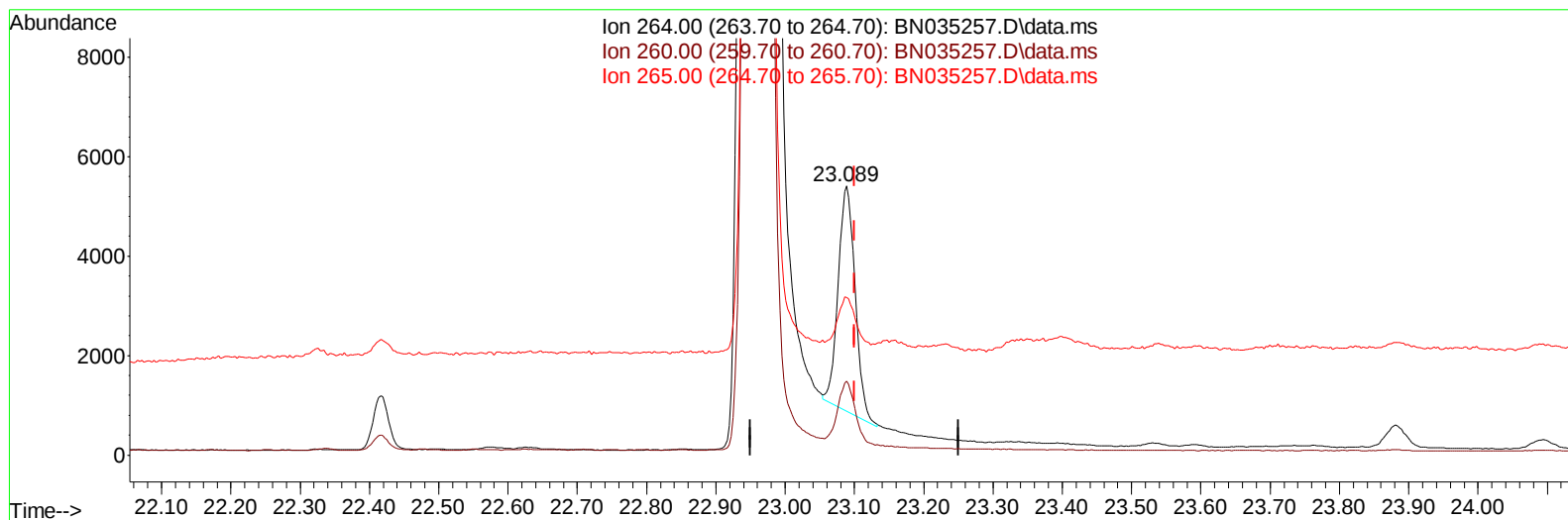
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112224\  
Data File : BN035257.D  
Acq On : 23 Nov 2024 00:58  
Operator : RC/JU  
Sample : P4872-17  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E29Y4

Manual IntegrationsAPPROVED

Quant Time: Nov 23 01:22:42 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: BN035257.D\data.ms

(23) Perylene-d12 (I)

23.089min (-0.012) 0.40 ng/u1 m

response 7640

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 26.20  | 27.46  |
| 265.00 | 75.50  | 58.67# |
| 0.00   | 0.00   | 0.00   |

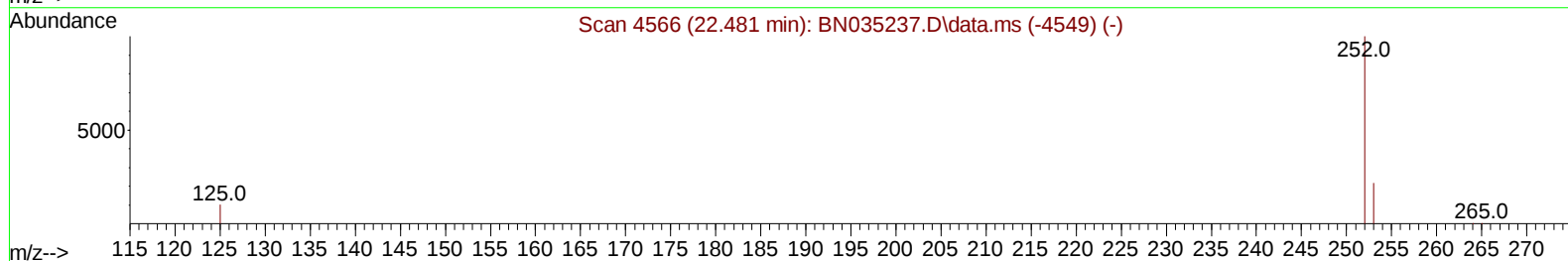
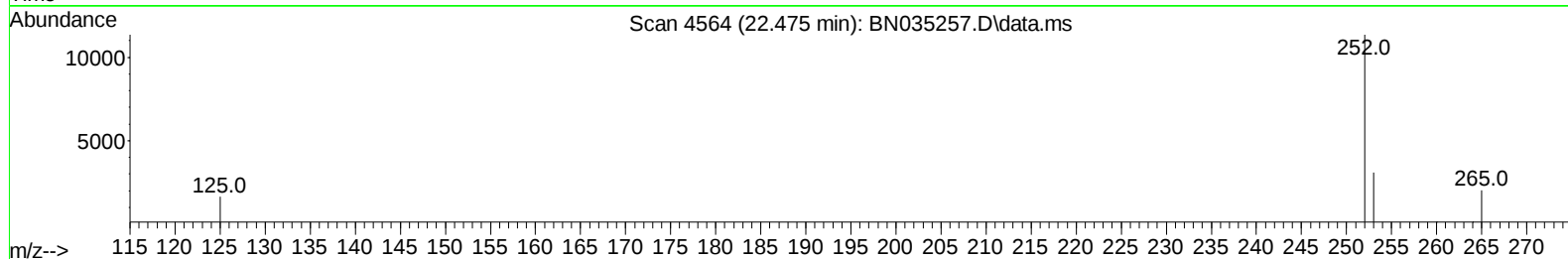
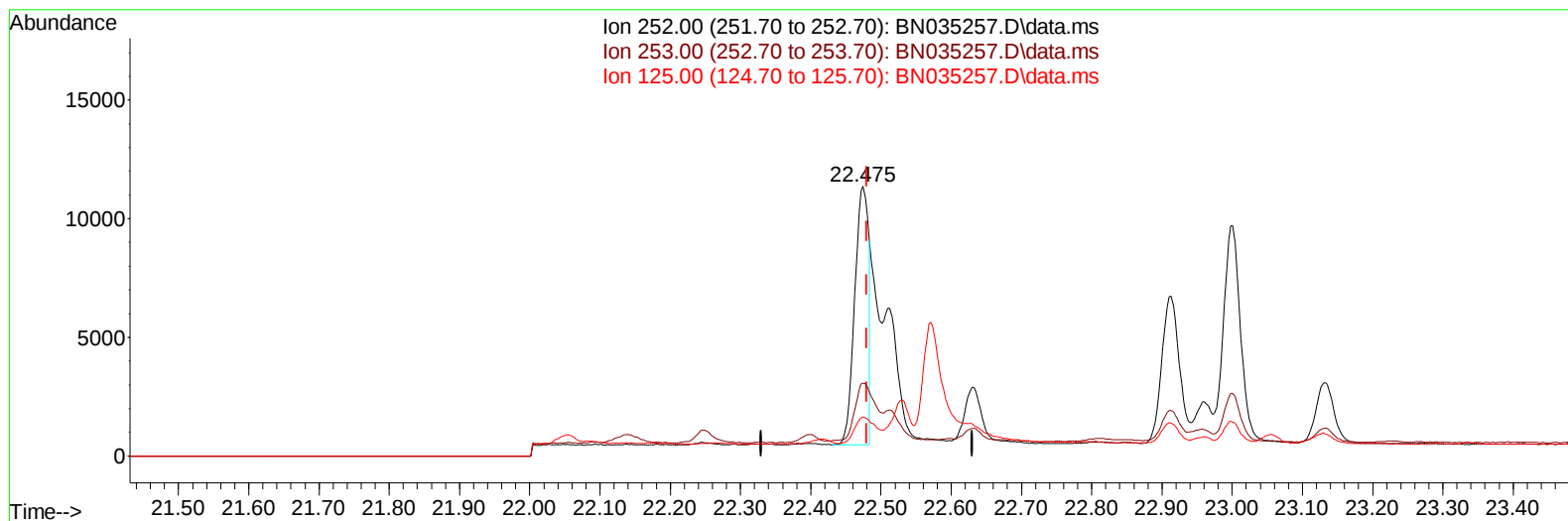
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112224\  
 Data File : BN035257.D  
 Acq On : 23 Nov 2024 00:58  
 Operator : RC/JU  
 Sample : P4872-17  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 E29Y4

Manual IntegrationsAPPROVED

Quant Time: Nov 23 01:22:42 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: BN035257.D\data.ms

**(24) Benzo(b)fluoranthene**

22.475min (-0.006) 0.60 ng/u1

response 15036

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 27.00  | 27.13  |
| 125.00 | 9.70   | 14.42  |
| 0.00   | 0.00   | 0.00   |

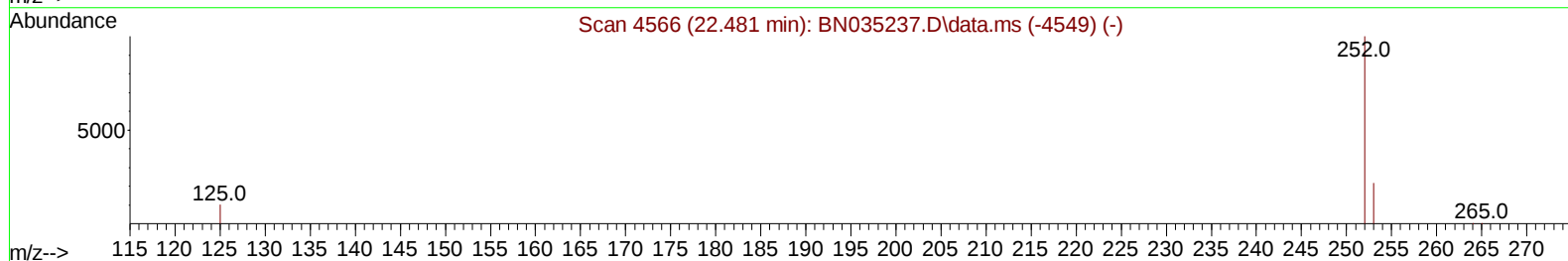
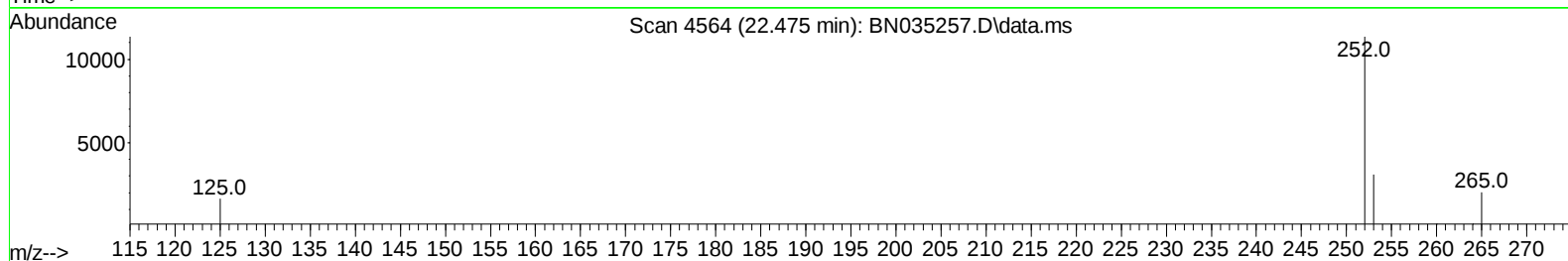
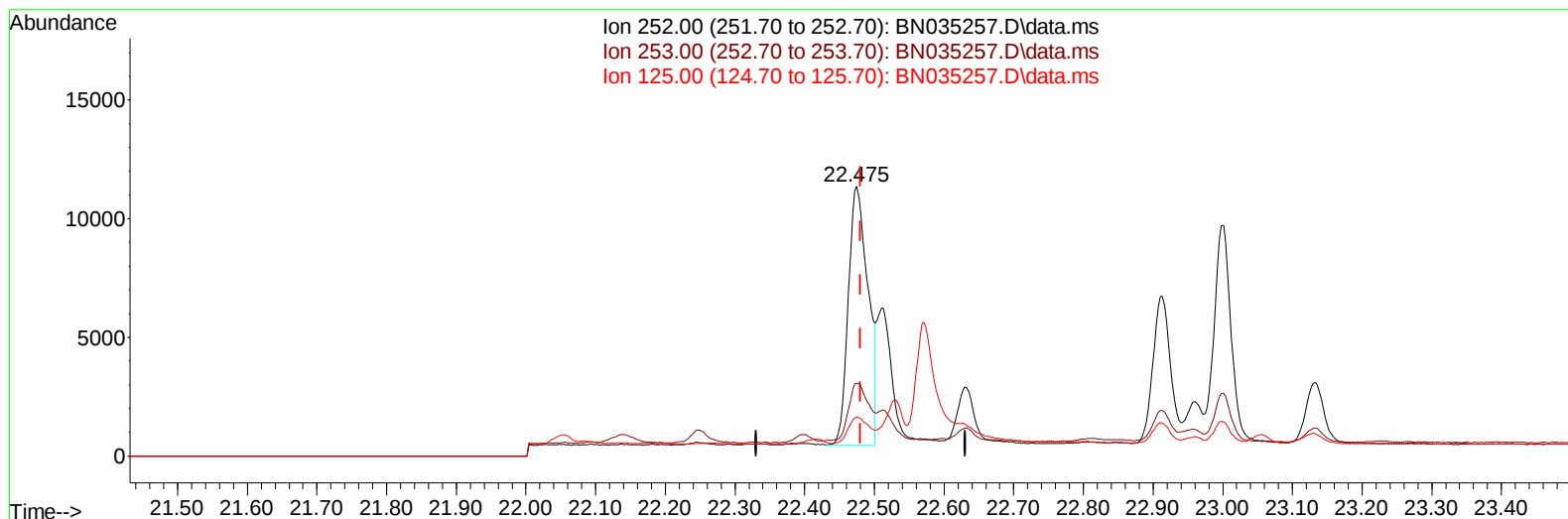
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Data File : BN035257.D  
Acq On : 23 Nov 2024 00:58  
Operator : RC/JU  
Sample : P4872-17  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E29Y4

## Manual IntegrationsAPPROVED

Quant Time: Nov 23 01:22:42 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

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TIC: BN035257.D\data.ms

## (24) Benzo(b)fluoranthene

22.475min (-0.006) 0.86 ng/u1 m

response 21687

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 27.00  | 27.13  |
| 125.00 | 9.70   | 14.42  |
| 0.00   | 0.00   | 0.00   |

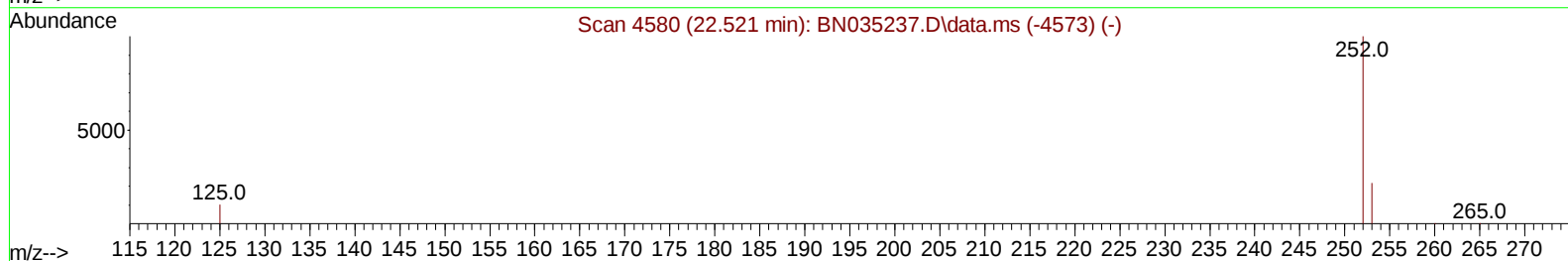
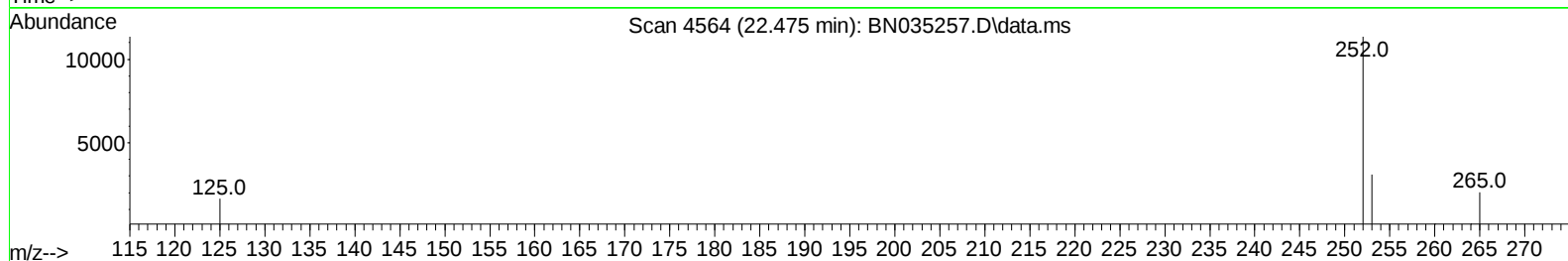
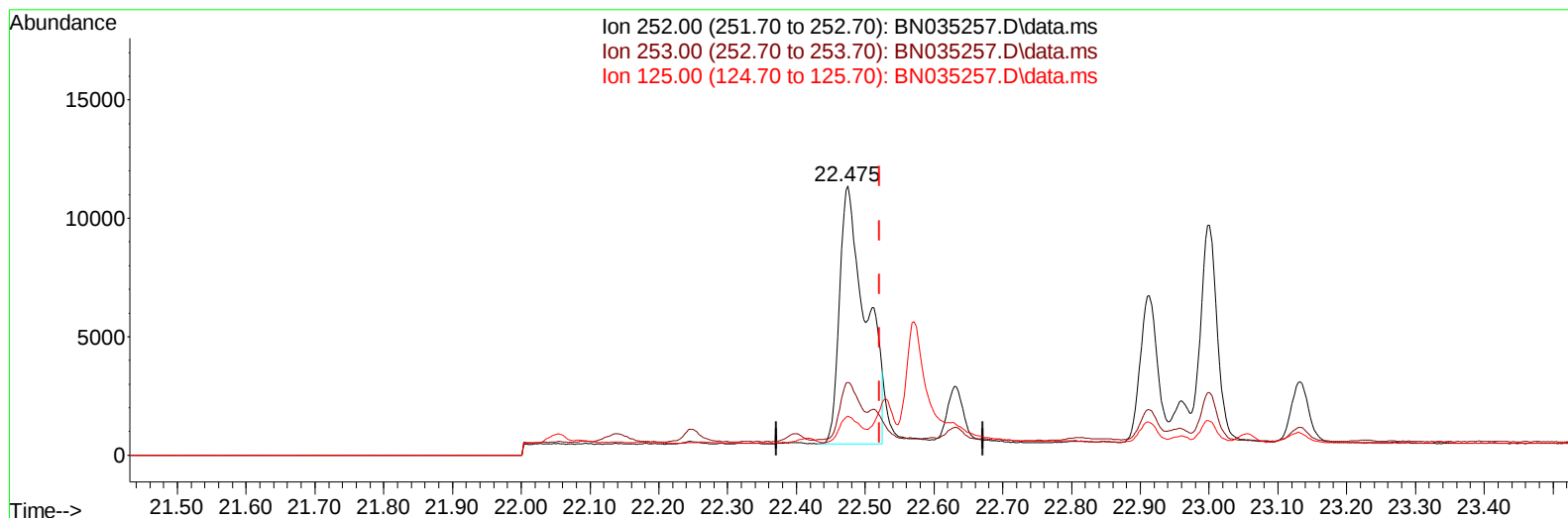
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112224\  
Data File : BN035257.D  
Acq On : 23 Nov 2024 00:58  
Operator : RC/JU  
Sample : P4872-17  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E29Y4

Manual IntegrationsAPPROVED

Quant Time: Nov 23 01:22:42 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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Supervised By :mohammad ahmed 11/27/2024



TIC: BN035257.D\data.ms

(25) Benzo(k)fluoranthene

22.475min (-0.047) 1.09 ng/u1

response 28458

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 27.20  | 27.13  |
| 125.00 | 10.70  | 14.42# |
| 0.00   | 0.00   | 0.00   |

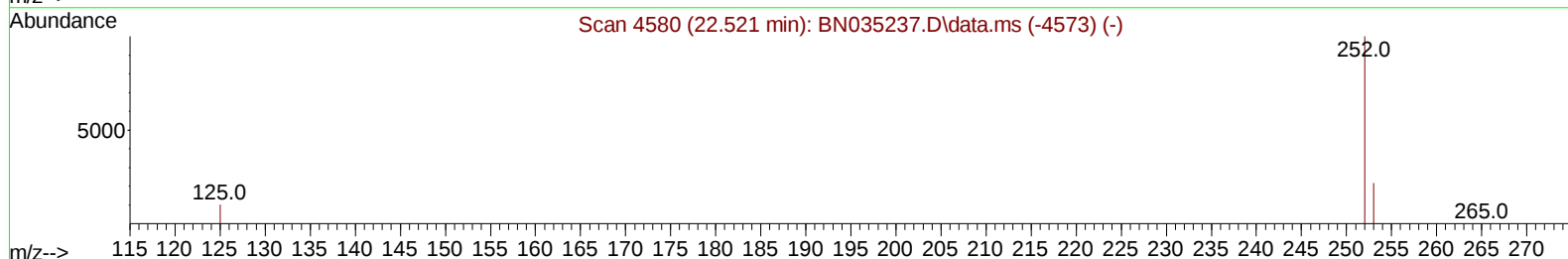
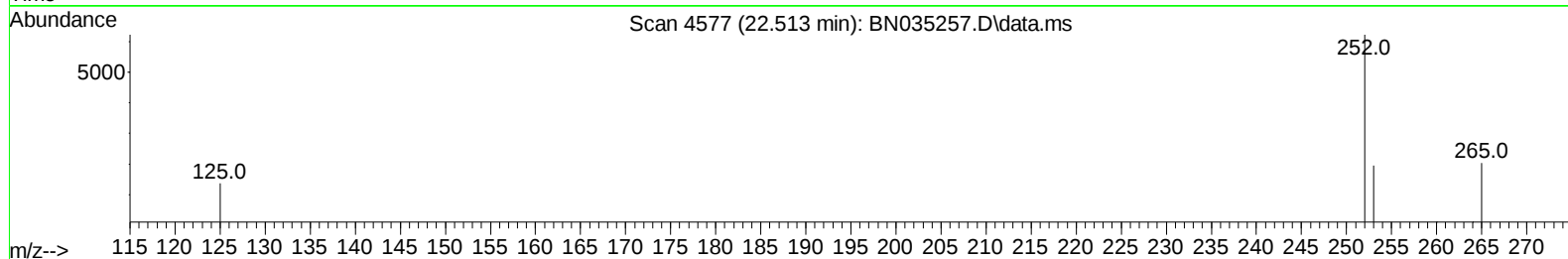
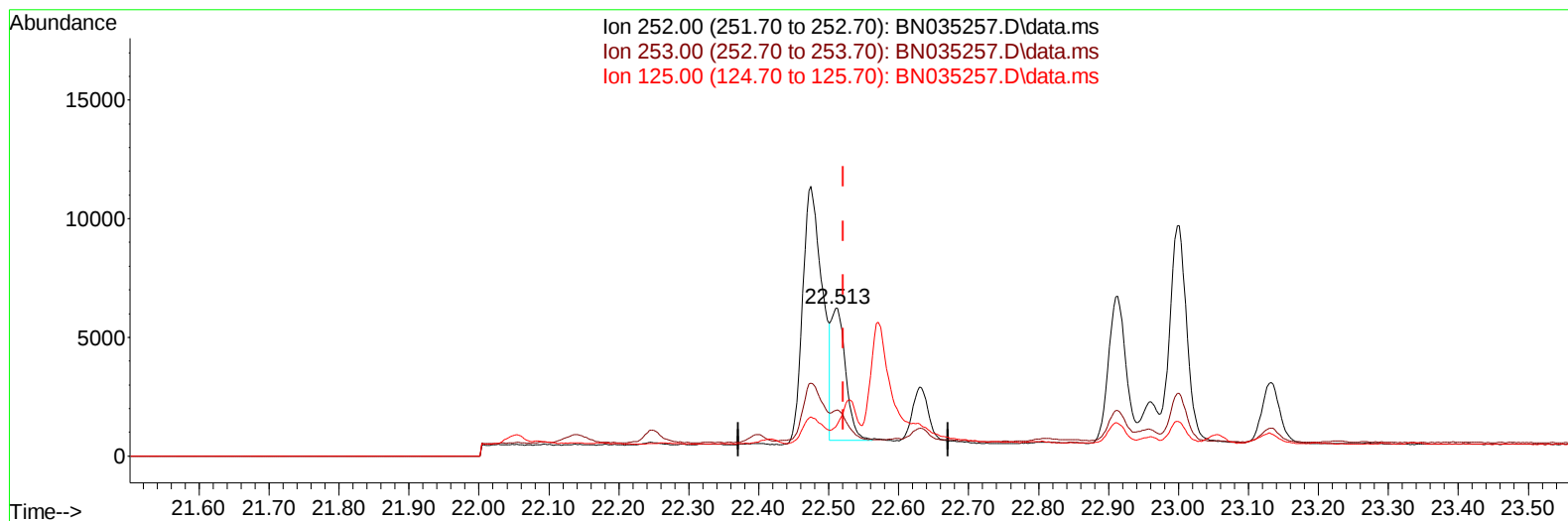
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112224\  
 Data File : BN035257.D  
 Acq On : 23 Nov 2024 00:58  
 Operator : RC/JU  
 Sample : P4872-17  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 E29Y4

Manual IntegrationsAPPROVED

Quant Time: Nov 23 01:22:42 2024  
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 Supervised By :mohammad ahmed 11/27/2024



TIC: BN035257.D\data.ms

(25) Benzo(k)fluoranthene

22.513min (-0.009) 0.30 ng/u1 m

response 7811

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 27.20  | 31.44  |
| 125.00 | 10.70  | 21.91# |
| 0.00   | 0.00   | 0.00   |

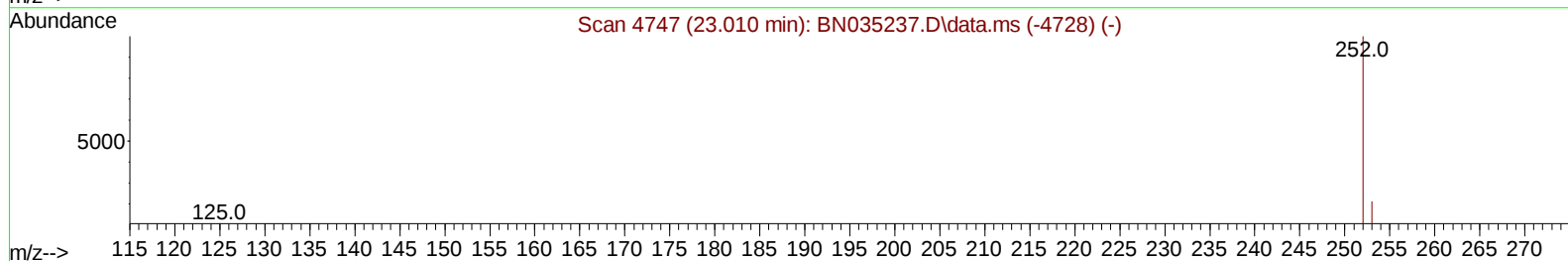
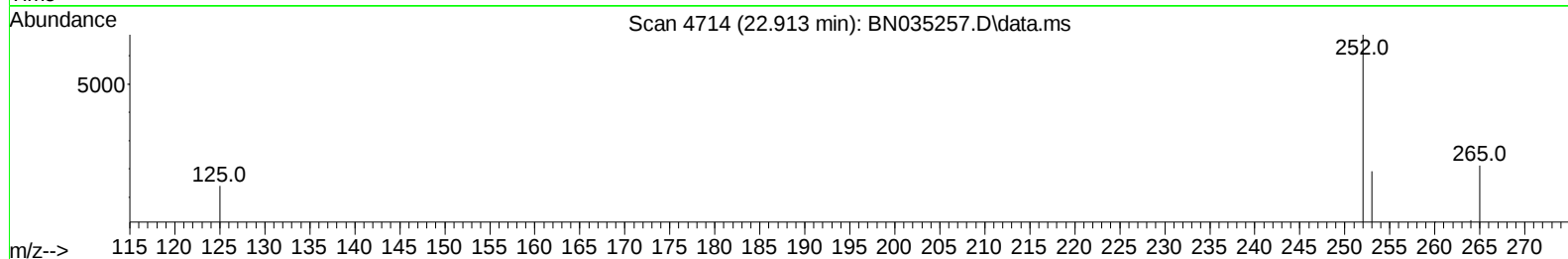
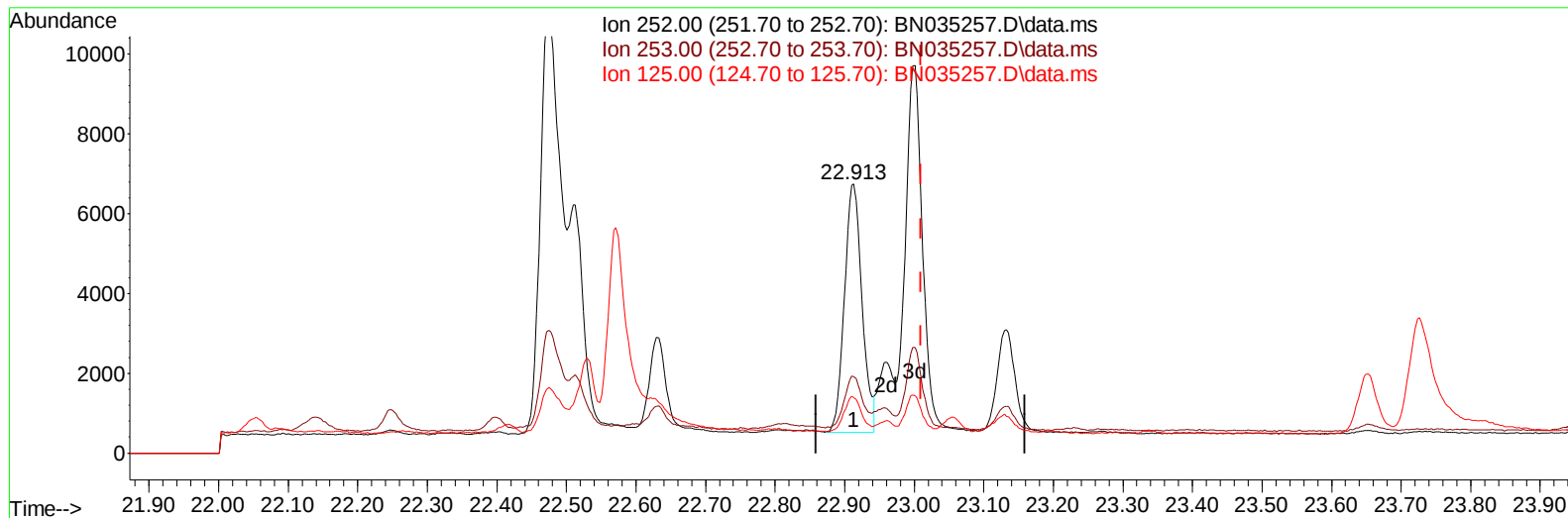
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112224\  
Data File : BN035257.D  
Acq On : 23 Nov 2024 00:58  
Operator : RC/JU  
Sample : P4872-17  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E29Y4

## Manual IntegrationsAPPROVED

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

Quant Time: Nov 23 01:22:42 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  
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TIC: BN035257.D\data.ms

## (26) Benzo(a)pyrene (C)

22.913min (-0.096) 0.48 ng/u1

response 10996

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 28.60  | 28.37  |
| 125.00 | 11.80  | 20.66# |
| 0.00   | 0.00   | 0.00   |

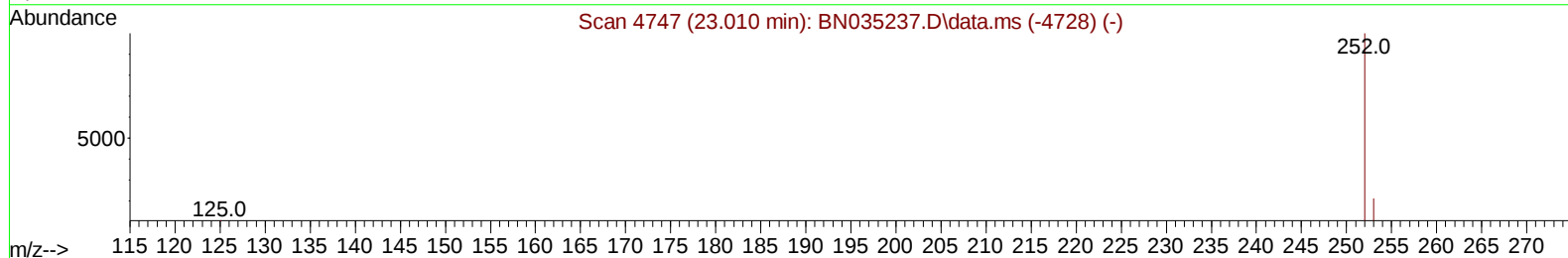
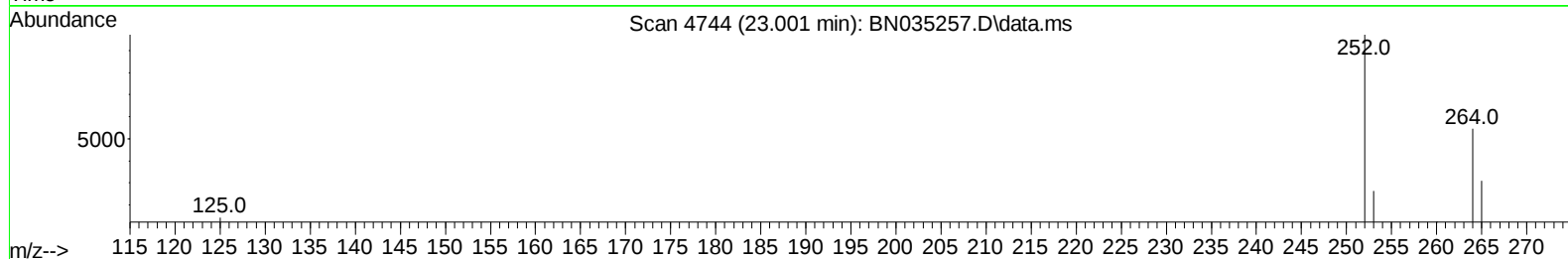
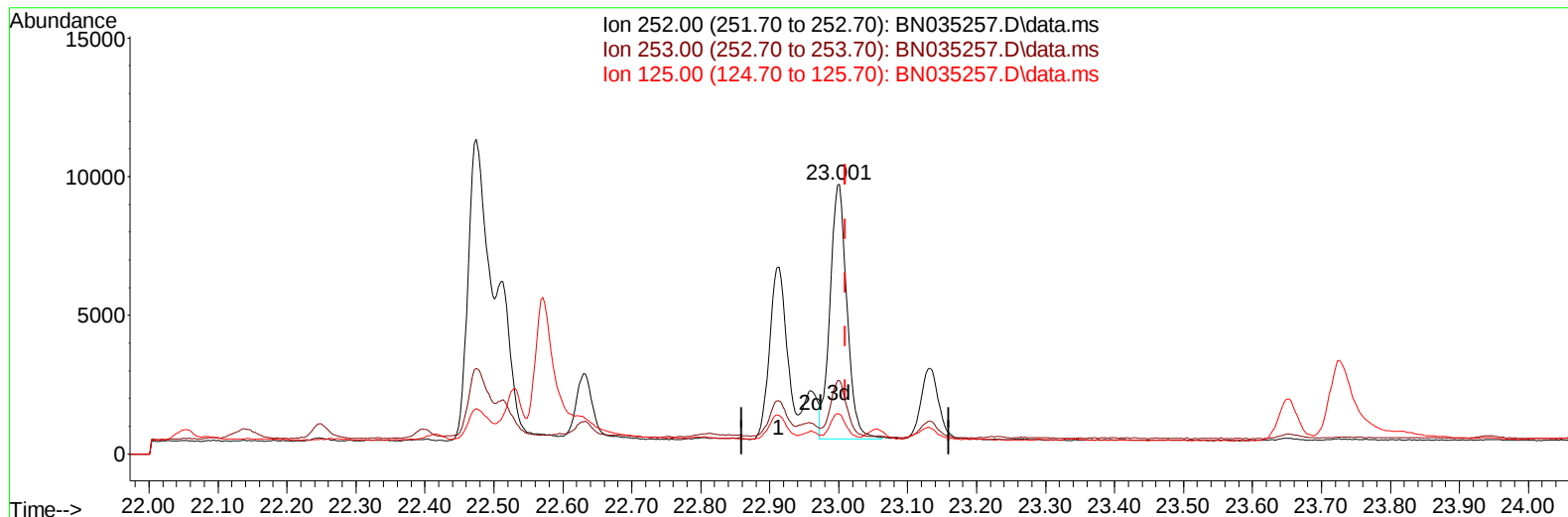
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112224\  
Data File : BN035257.D  
Acq On : 23 Nov 2024 00:58  
Operator : RC/JU  
Sample : P4872-17  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E29Y4

Manual IntegrationsAPPROVED

Quant Time: Nov 23 01:22:42 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  
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Reviewed By :Jagrut Upadhyay 11/26/2024  
Supervised By :mohammad ahmed 11/27/2024



TIC: BN035257.D\data.ms

(26) Benzo(a)pyrene (C)

23.001min (-0.009) 0.68 ng/u1 m

response 15692

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 28.60  | 27.29  |
| 125.00 | 11.80  | 14.85# |
| 0.00   | 0.00   | 0.00   |

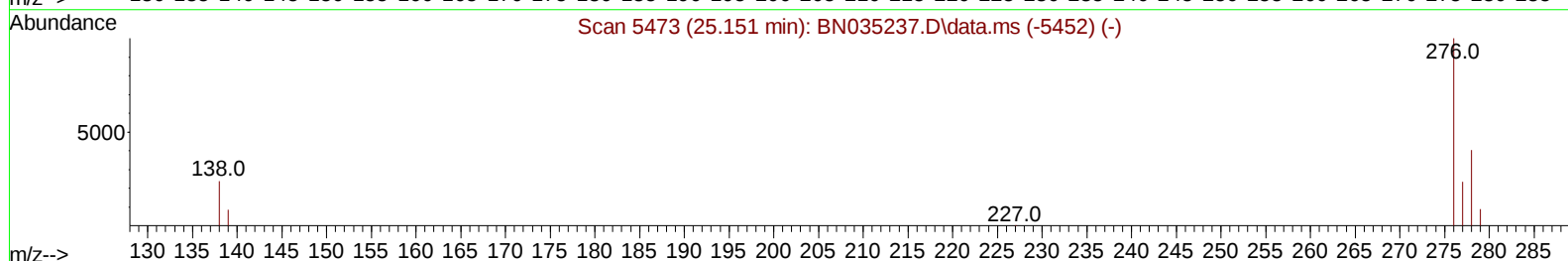
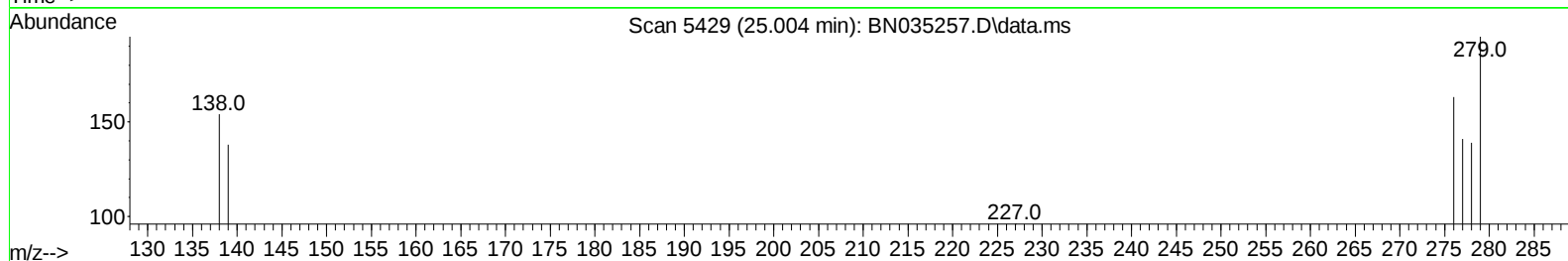
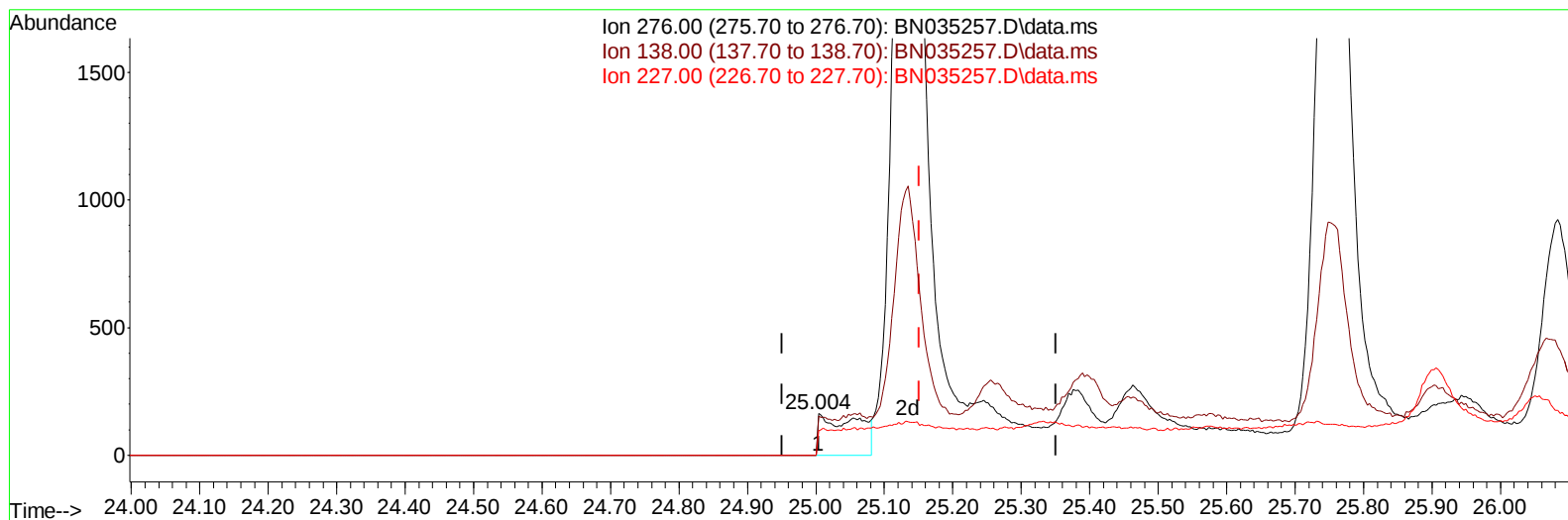
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112224\  
Data File : BN035257.D  
Acq On : 23 Nov 2024 00:58  
Operator : RC/JU  
Sample : P4872-17  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E29Y4

Manual IntegrationsAPPROVED

Quant Time: Nov 23 01:22:42 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: BN035257.D\data.ms

(27) Indeno(1,2,3-cd)pyrene

25.004min (-0.148) 0.02 ng/u1

response 635

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 17.30  | 0.00#  |
| 227.00 | 0.30   | 0.00#  |
| 0.00   | 0.00   | 0.00   |

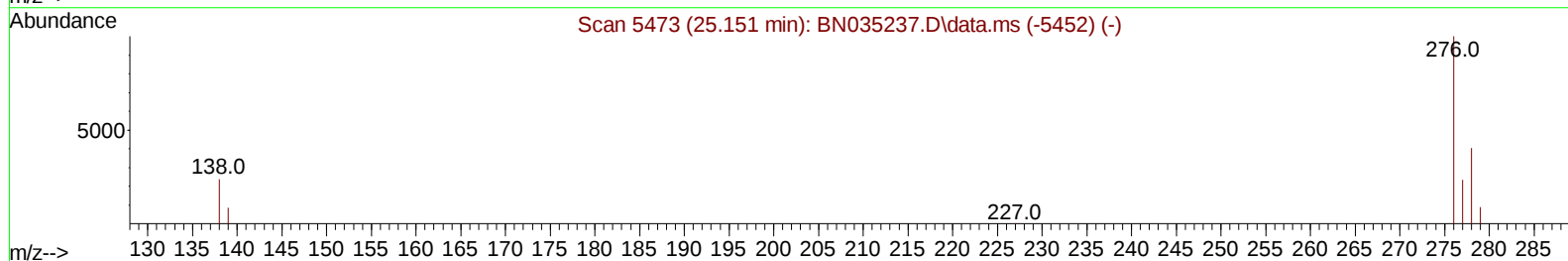
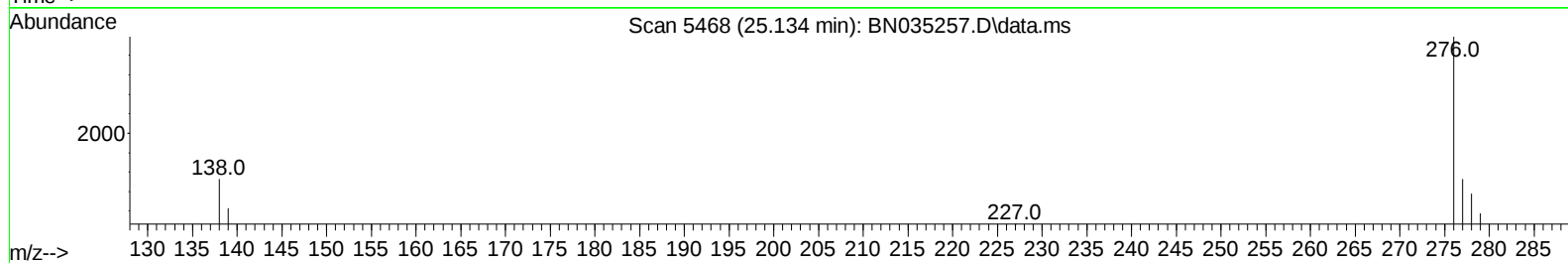
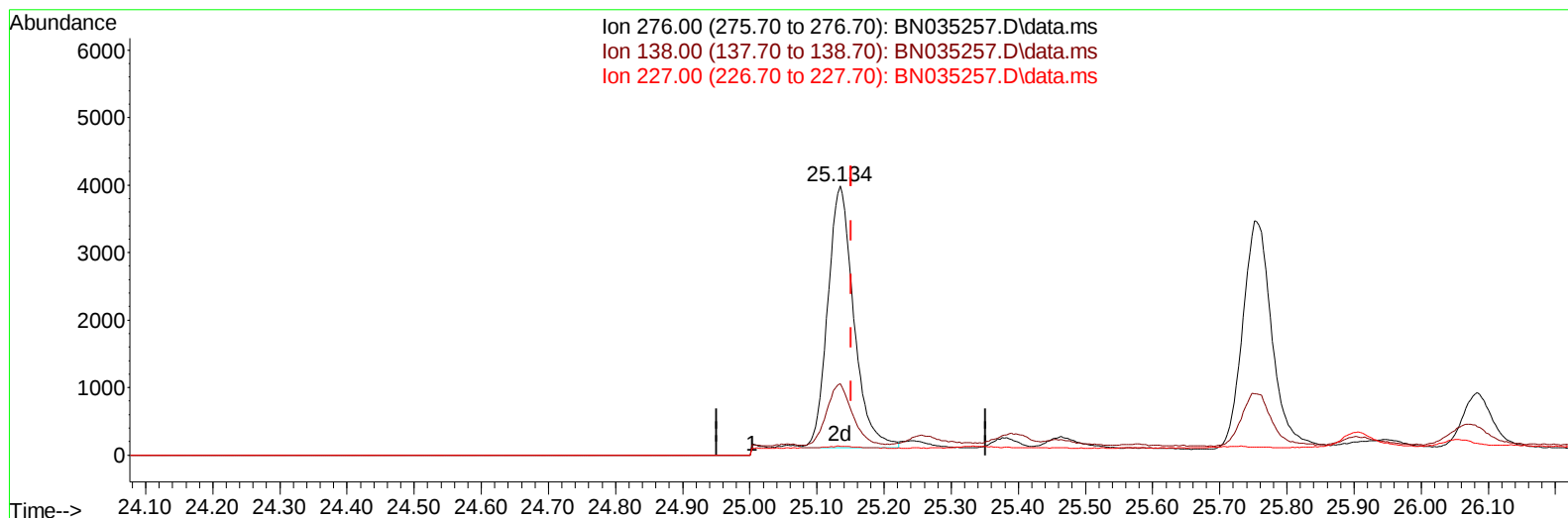
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Data File : BN035257.D  
Acq On : 23 Nov 2024 00:58  
Operator : RC/JU  
Sample : P4872-17  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E29Y4

## Manual IntegrationsAPPROVED

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

Quant Time: Nov 23 01:22:42 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: BN035257.D\data.ms

## (27) Indeno(1,2,3-cd)pyrene

25.134min (-0.017) 0.33 ng/u1 m

response 10392

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 17.30  | 0.00#  |
| 227.00 | 0.30   | 0.00#  |
| 0.00   | 0.00   | 0.00   |

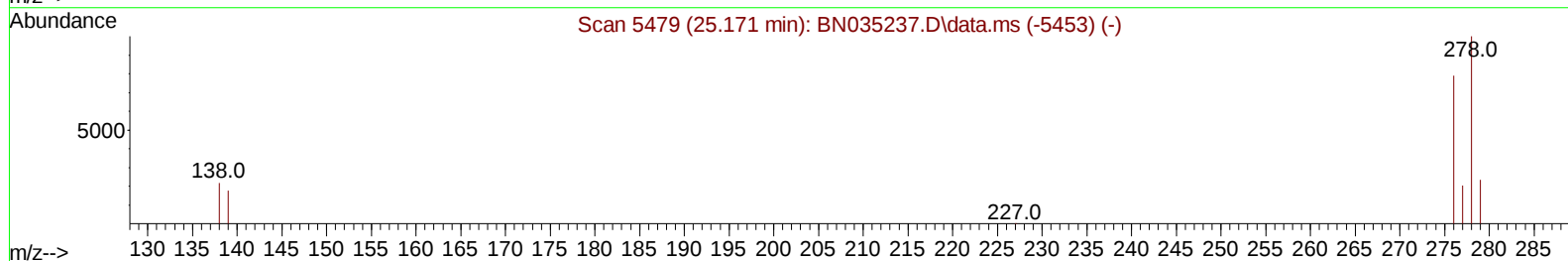
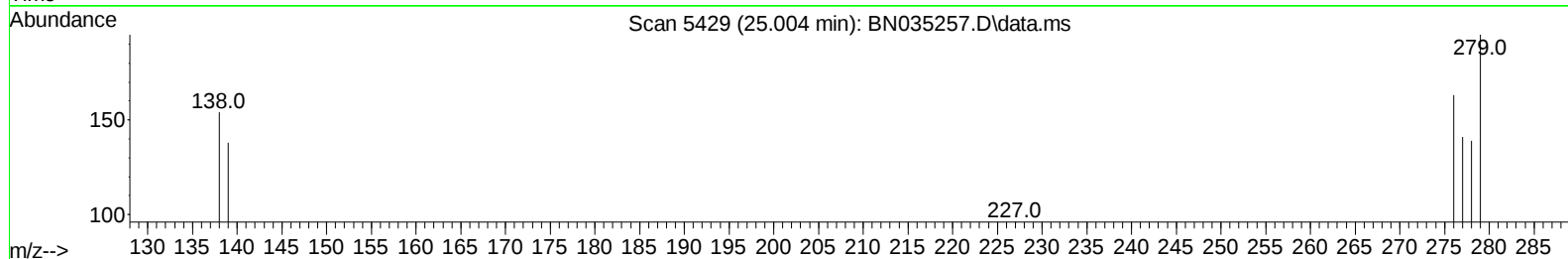
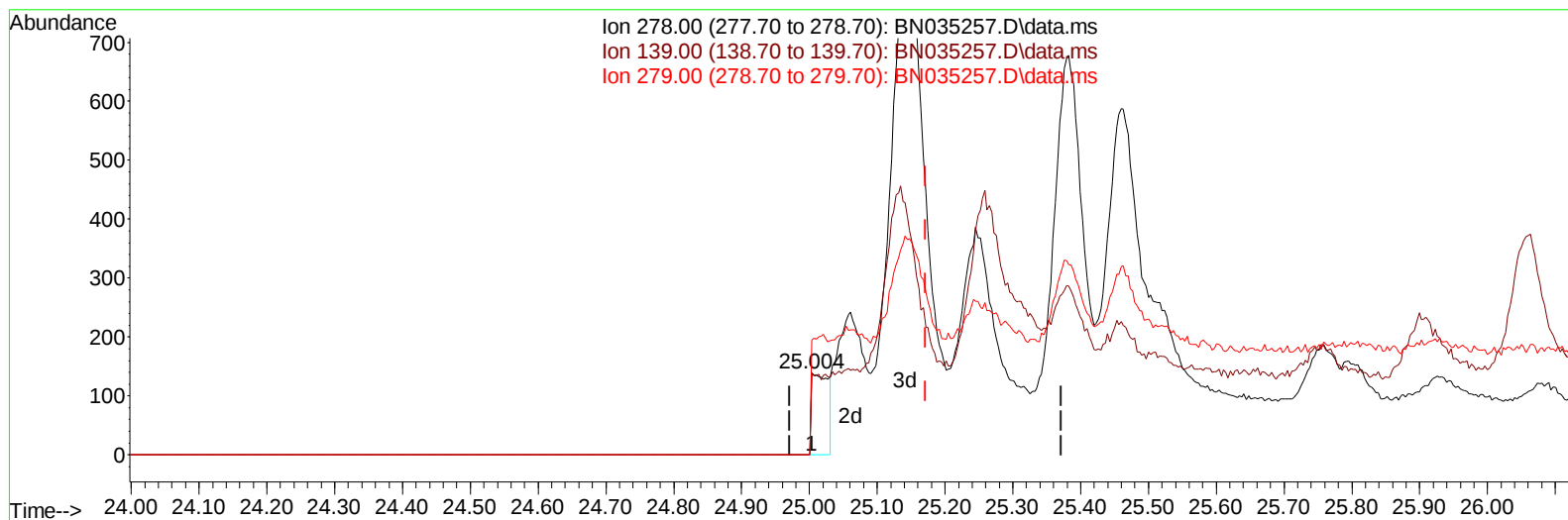
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112224\  
Data File : BN035257.D  
Acq On : 23 Nov 2024 00:58  
Operator : RC/JU  
Sample : P4872-17  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E29Y4

## Manual IntegrationsAPPROVED

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

Quant Time: Nov 23 01:22:42 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: BN035257.D\data.ms

## (28) Dibenzo(a,h)anthracene

25.004min (-0.168) 0.01 ng/u1

response 234

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 278.00 | 100.00 | 100.00  |
| 139.00 | 13.40  | 99.28#  |
| 279.00 | 28.50  | 140.29# |
| 0.00   | 0.00   | 0.00    |

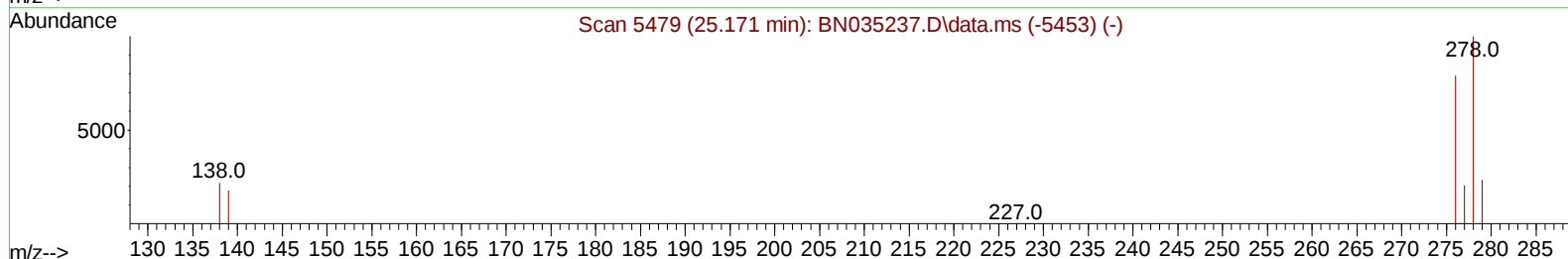
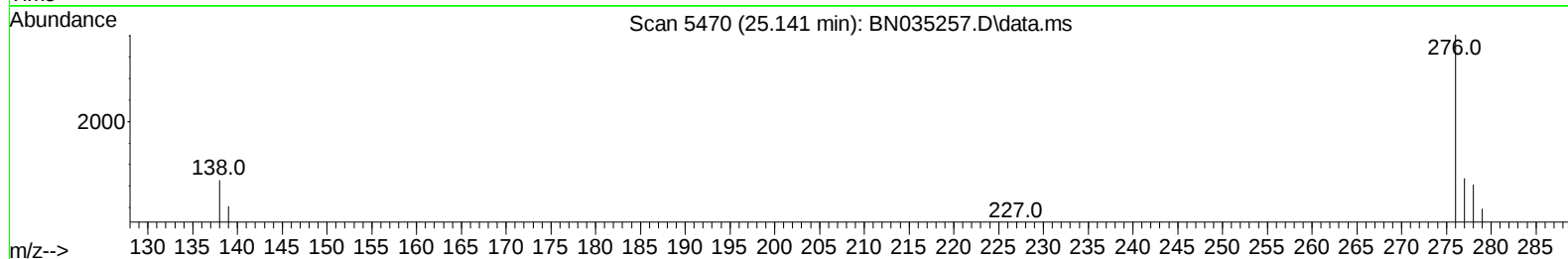
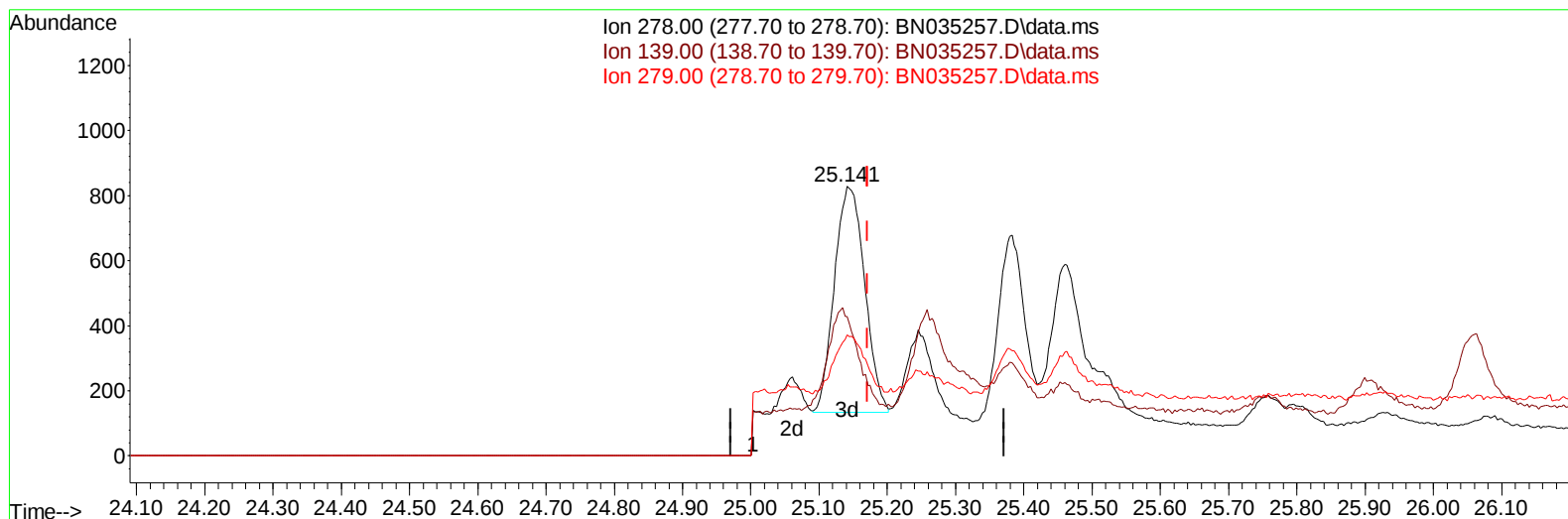
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 Data File : BN035257.D  
 Acq On : 23 Nov 2024 00:58  
 Operator : RC/JU  
 Sample : P4872-17  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 E29Y4

Manual IntegrationsAPPROVED

Quant Time: Nov 23 01:22:42 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: BN035257.D\data.ms

(28) Dibenzo(a,h)anthracene

25.141min (-0.030) 0.09 ng/ul m

response 2146

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 13.40  | 51.69# |
| 279.00 | 28.50  | 44.81# |
| 0.00   | 0.00   | 0.00   |

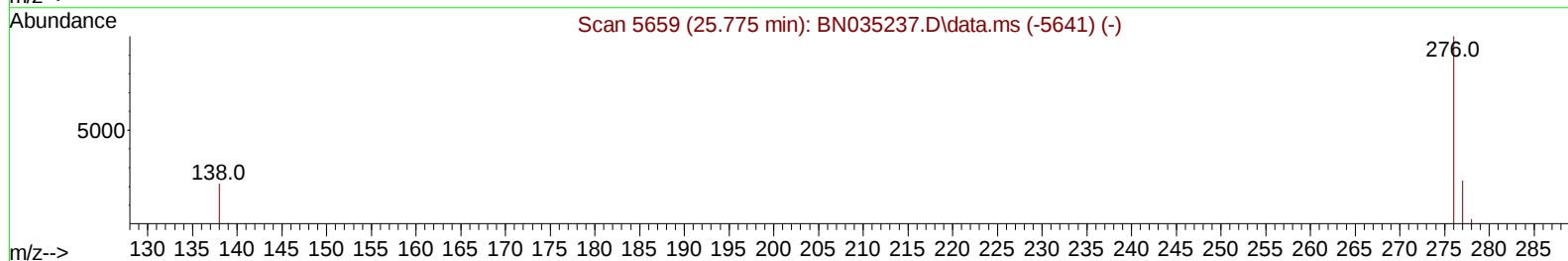
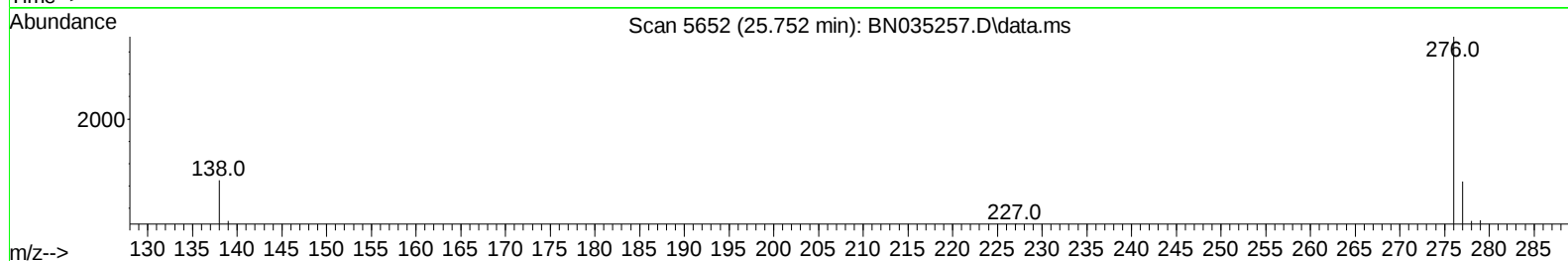
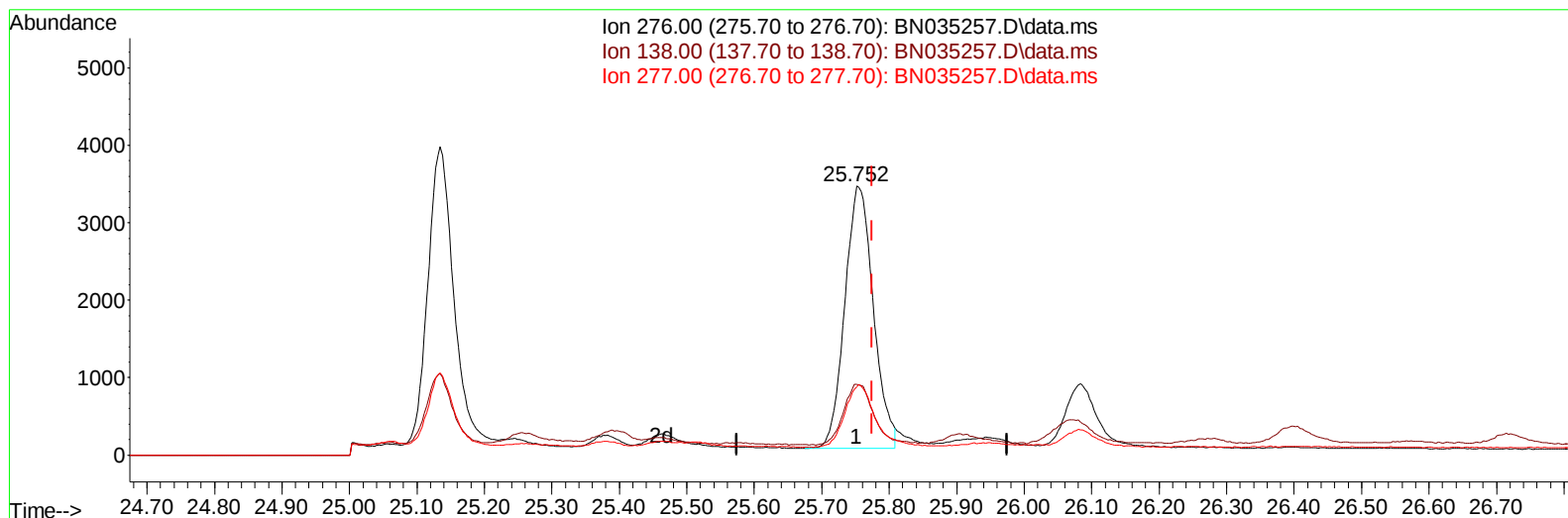
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 Data File : BN035257.D  
 Acq On : 23 Nov 2024 00:58  
 Operator : RC/JU  
 Sample : P4872-17  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 E29Y4

Manual IntegrationsAPPROVED

Quant Time: Nov 23 01:22:42 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: BN035257.D\data.ms

**(29) Benzo(g,h,i)perylene**

25.752min (-0.023) 0.41 ng/u1

response 9968

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 16.30  | 26.21# |
| 277.00 | 25.60  | 25.35  |
| 0.00   | 0.00   | 0.00   |

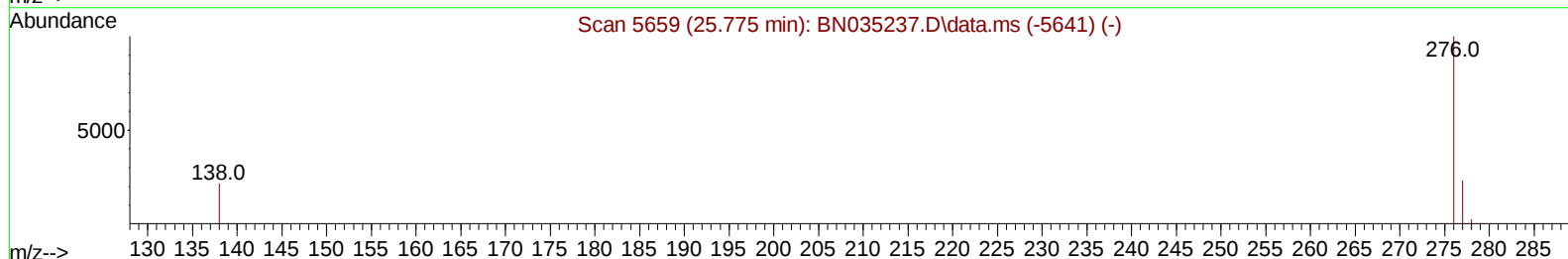
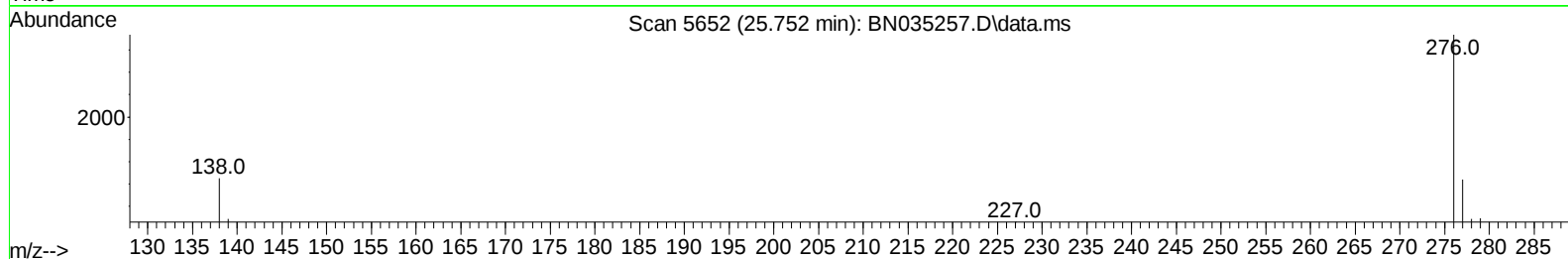
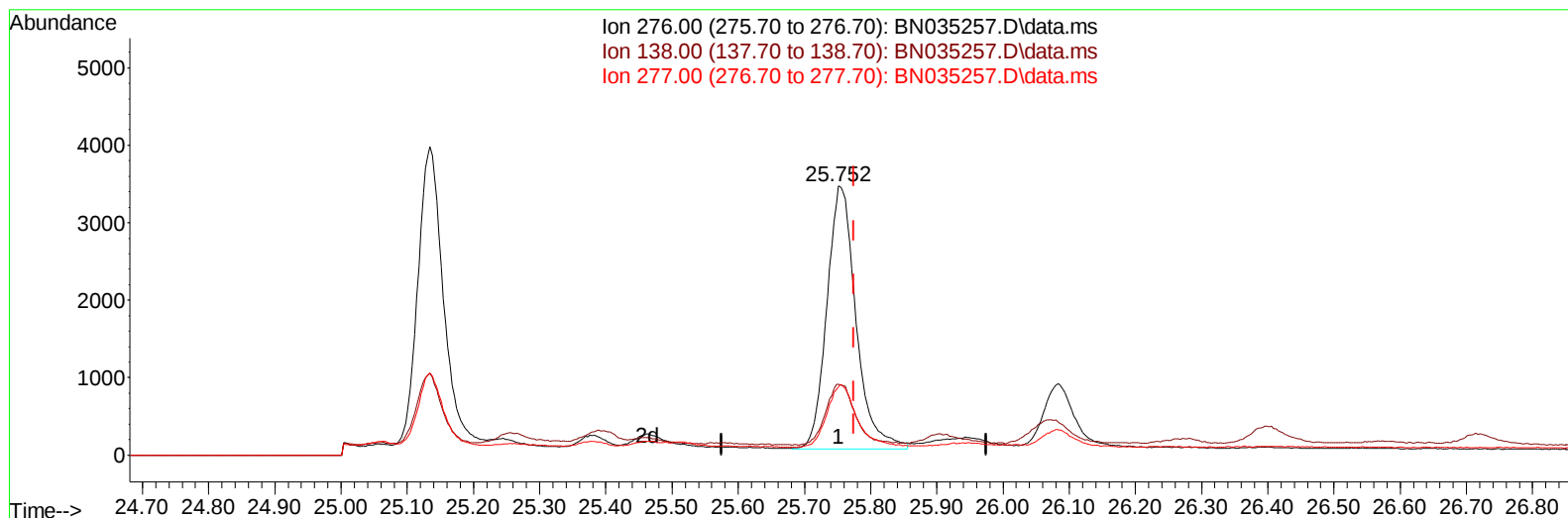
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Data File : BN035257.D  
Acq On : 23 Nov 2024 00:58  
Operator : RC/JU  
Sample : P4872-17  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E29Y4

Manual IntegrationsAPPROVED

Quant Time: Nov 23 01:22:42 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: BN035257.D\data.ms

(29) Benzo(g,h,i)perylene

25.752min (-0.023) 0.42 ng/u1 m

response 10408

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 16.30  | 26.21# |
| 277.00 | 25.60  | 25.35  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112224\  
 Data File : BN035257.D  
 Acq On : 23 Nov 2024 00:58  
 Operator : RC/JU  
 Sample : P4872-17  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 E29Y4

Manual IntegrationsAPPROVED

Quant Time: Nov 23 01:22:42 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  | 3484     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.069 | 136  | 9083     | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 13.981 | 164  | 6014     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.747 | 188  | 13710m   | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 20.988 | 240  | 9829     | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.089 | 264  | 7640m    | 0.400 | ng/ul  | -0.01    |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 2.972  | 96   | 13945    | 4.379 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.670 | 152  | 4588     | 0.345 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.795 | 212  | 14378    | 0.530 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.113 | 128  | 553      | 0.024 | ng/ul# | 67       |
| 10) Acenaphthylene          | 13.694 | 152  | 3435     | 0.144 | ng/ul  | 94       |
| 12) Fluorene                | 15.045 | 166  | 1275     | 0.060 | ng/ul# | 94       |
| 15) Phenanthrene            | 16.785 | 178  | 14640    | 0.404 | ng/ul  | 98       |
| 16) Anthracene              | 16.878 | 178  | 4338     | 0.129 | ng/ul# | 92       |
| 19) Fluoranthene            | 18.828 | 202  | 45710    | 1.336 | ng/ul# | 95       |
| 20) Pyrene                  | 19.195 | 202  | 39074    | 1.097 | ng/ul# | 92       |
| 21) Benzo(a)anthracene      | 20.970 | 228  | 18779    | 0.551 | ng/ul  | 94       |
| 22) Chrysene                | 21.023 | 228  | 19593m   | 0.571 | ng/ul  |          |
| 24) Benzo(b)fluoranthene    | 22.475 | 252  | 21687m   | 0.859 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.513 | 252  | 7811m    | 0.300 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.001 | 252  | 15692m   | 0.680 | ng/ul  |          |
| 27) Indeno(1,2,3-cd)pyrene  | 25.134 | 276  | 10392m   | 0.333 | ng/ul  |          |
| 28) Dibenzo(a,h)anthracene  | 25.141 | 278  | 2146m    | 0.088 | ng/ul  |          |
| 29) Benzo(g,h,i)perylene    | 25.752 | 276  | 10408m   | 0.423 | ng/ul  |          |
| -----                       |        |      |          |       |        |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112224\  
Data File : BN035257.D  
Acq On : 23 Nov 2024 00:58  
Operator : RC/JU  
Sample : P4872-17  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E29Y4

## Manual IntegrationsAPPROVED

Quant Time: Nov 23 01:22:42 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN11624.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

