

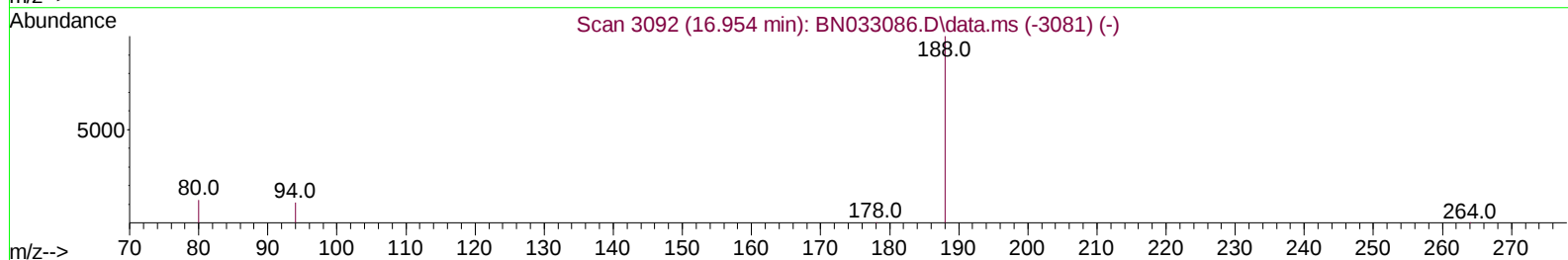
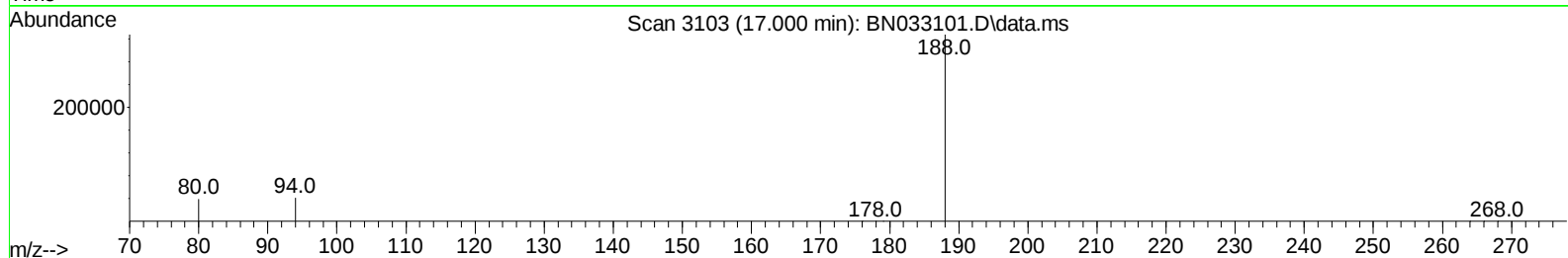
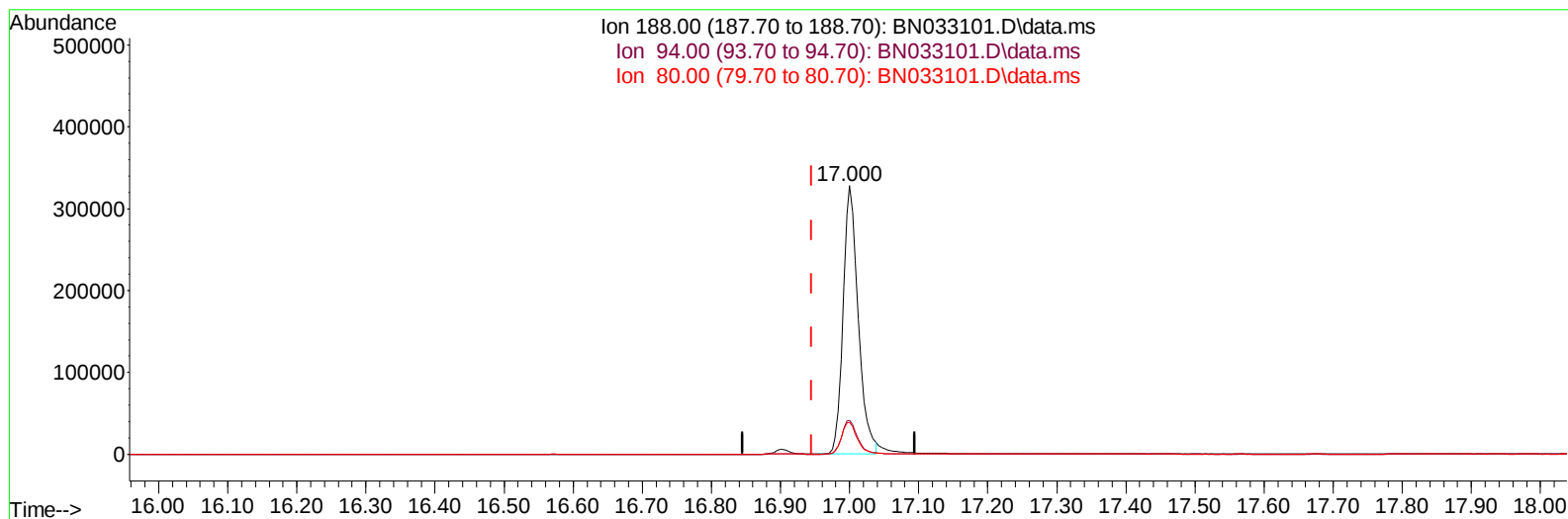
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033101.D  
Acq On : 30 Jul 2024 12:02  
Operator : MA/JU  
Sample : P3336-10  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F7E38

Manual IntegrationsAPPROVED

Quant Time: Jul 30 12:54:09 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 29 23:04:40 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033101.D\data.ms

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

**17.000min (+ 0.055) 0.40 ng/u1**

**response 501766**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 12.40  | 12.65  |
| 80.00  | 13.10  | 11.90  |
| 0.00   | 0.00   | 0.00   |

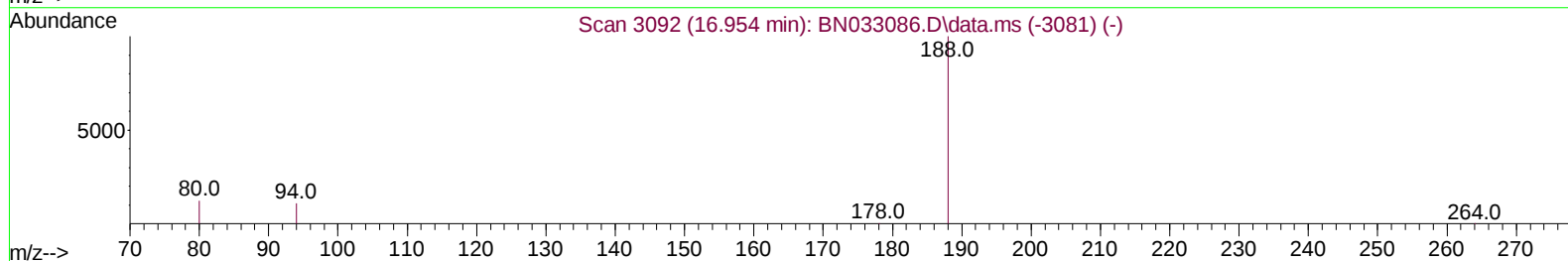
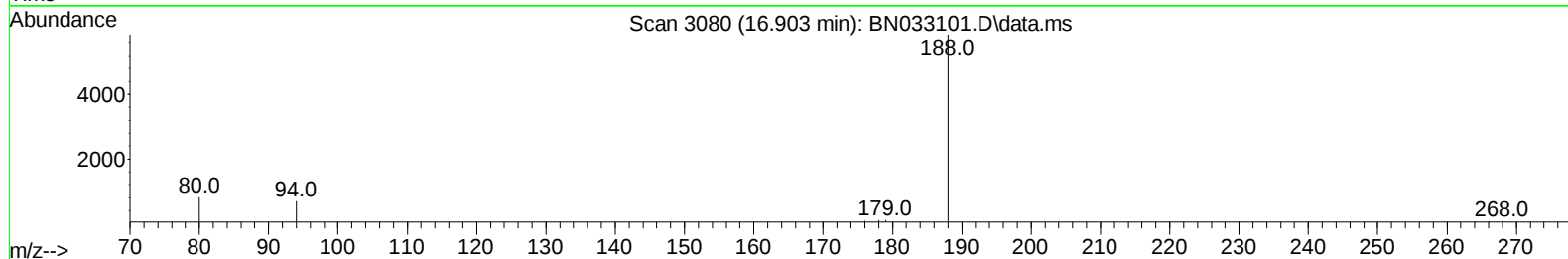
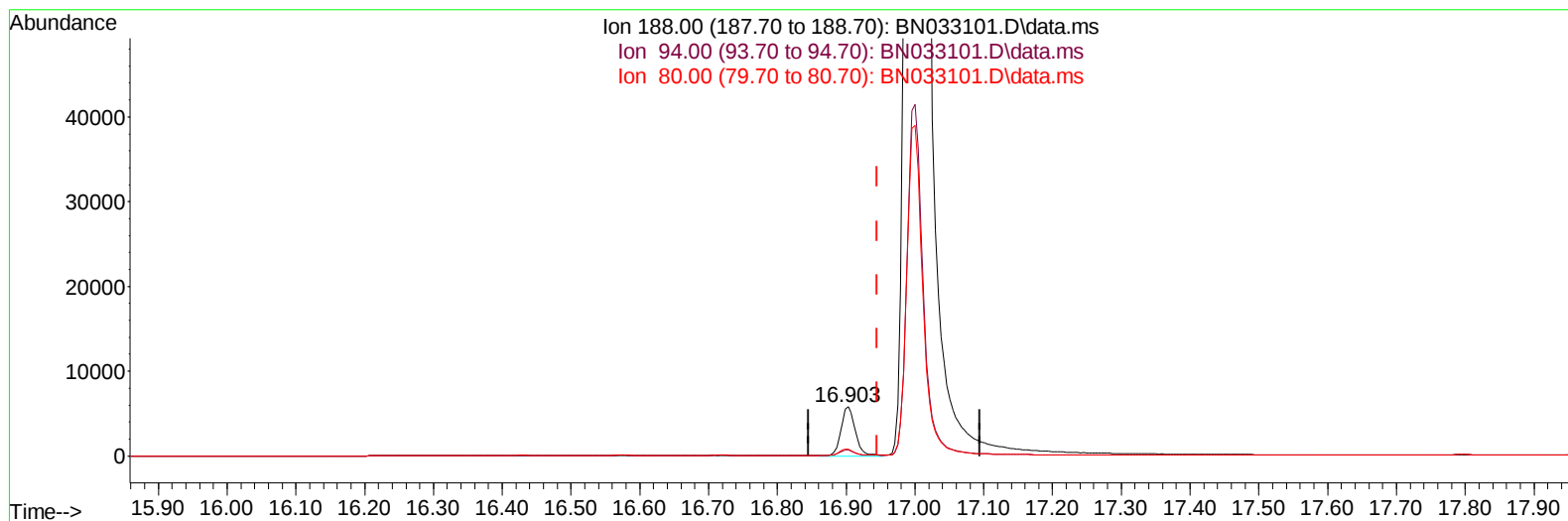
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033101.D  
Acq On : 30 Jul 2024 12:02  
Operator : MA/JU  
Sample : P3336-10  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F7E38

Manual IntegrationsAPPROVED

Quant Time: Jul 30 12:54:09 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 29 23:04:40 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033101.D\data.ms

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

**16.903min (-0.042) 0.40 ng/ul m**

**response 8446**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 12.40  | 11.91  |
| 80.00  | 13.10  | 13.79  |
| 0.00   | 0.00   | 0.00   |

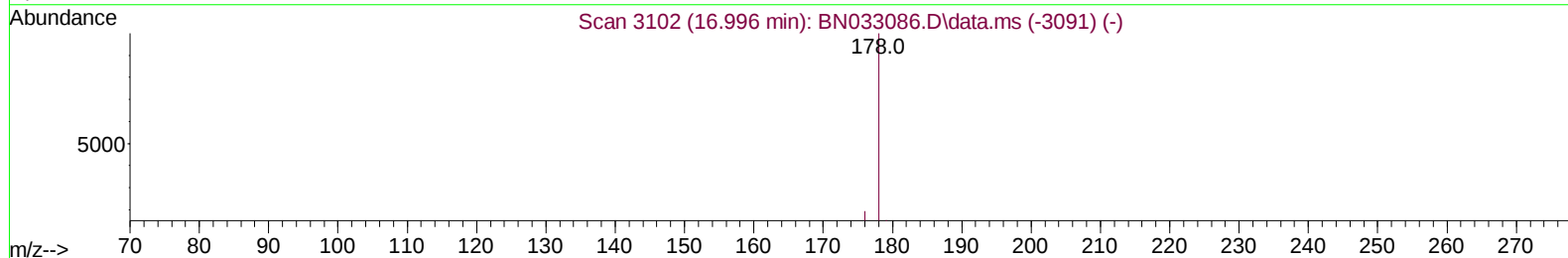
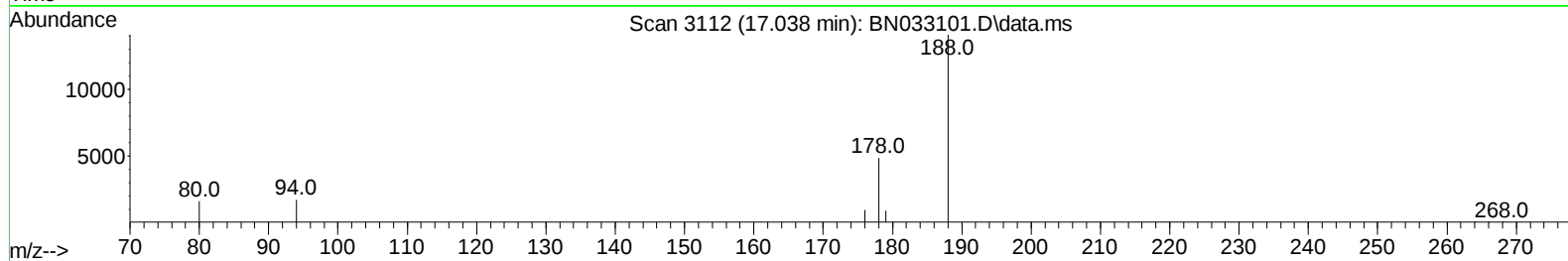
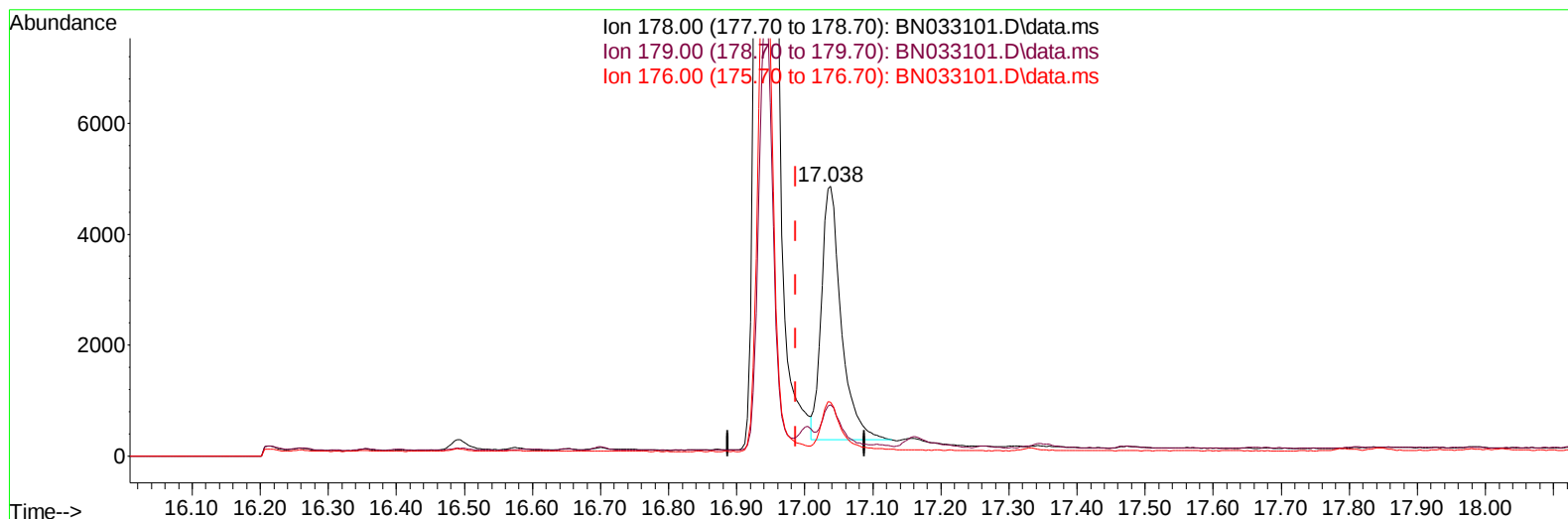
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033101.D  
Acq On : 30 Jul 2024 12:02  
Operator : MA/JU  
Sample : P3336-10  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F7E38

Manual IntegrationsAPPROVED

Quant Time: Jul 30 12:54:09 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 29 23:04:40 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033101.D\data.ms

(15) Phenanthrene

17.038min (+ 0.051) 0.41 ng/u1

response 9257

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 179.00 | 17.10  | 18.94  |
| 176.00 | 19.90  | 19.97  |
| 0.00   | 0.00   | 0.00   |

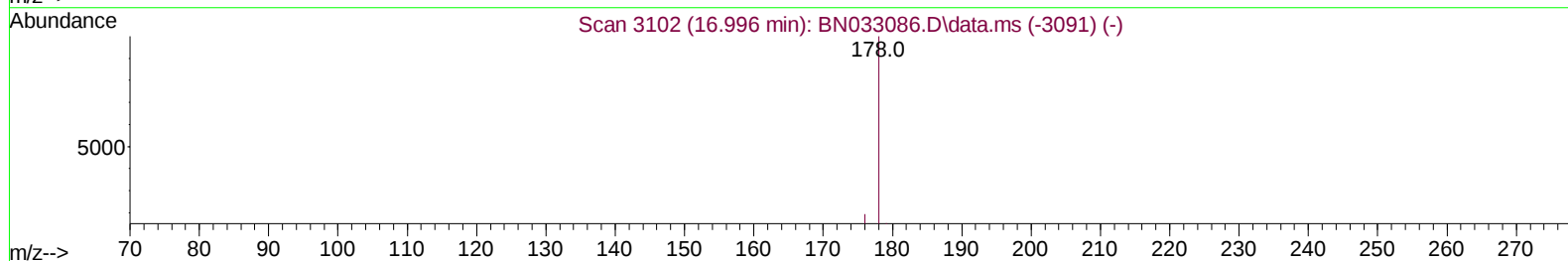
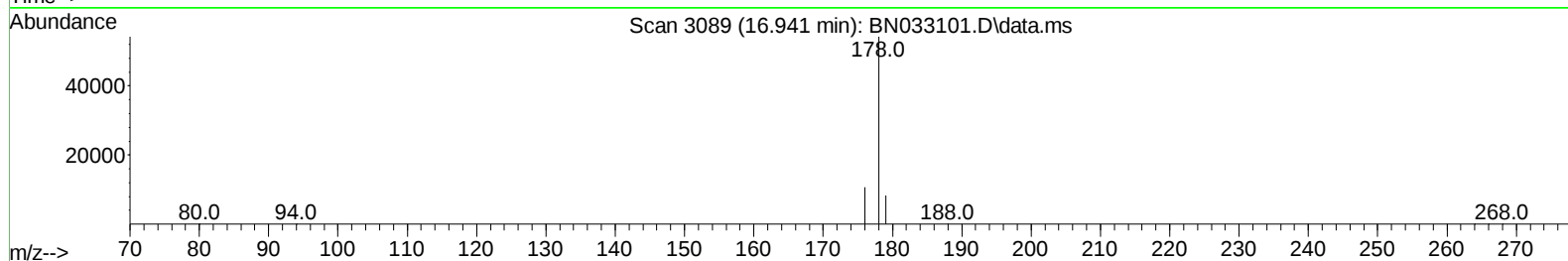
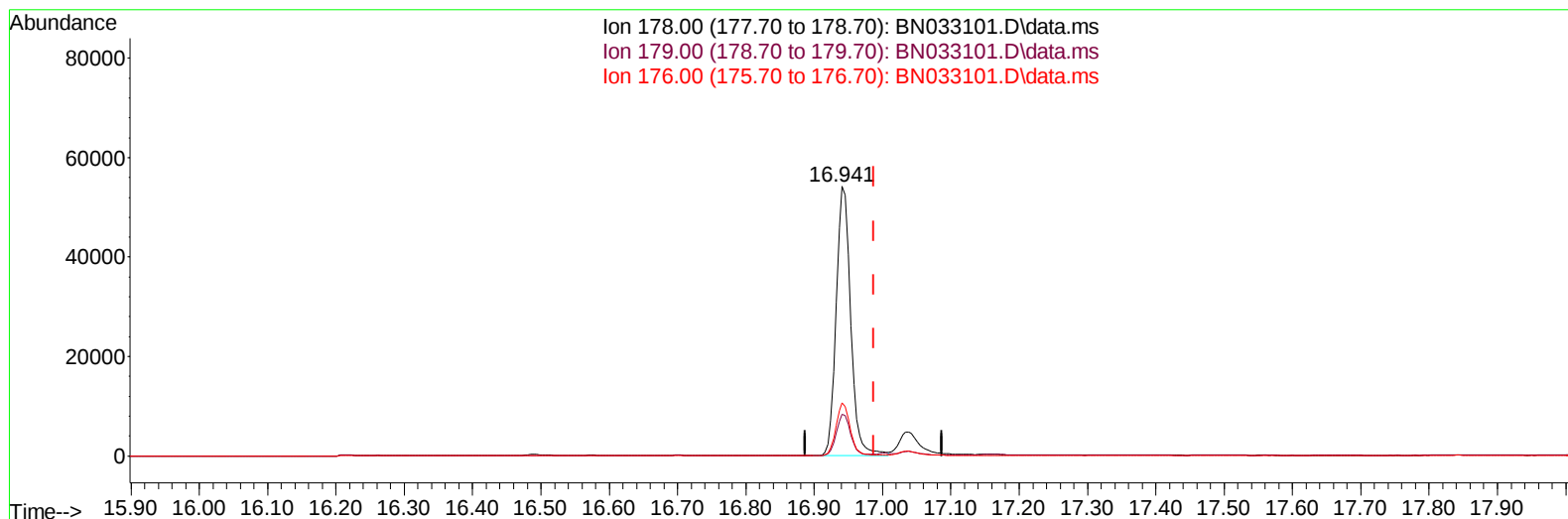
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033101.D  
Acq On : 30 Jul 2024 12:02  
Operator : MA/JU  
Sample : P3336-10  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F7E38

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024

Quant Time: Jul 30 12:54:09 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 29 23:04:40 2024  
Response via : Initial Calibration



TIC: BN033101.D\data.ms

## (15) Phenanthrene

16.941min (-0.046) 3.51 ng/ul m

response 79465

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 179.00 | 17.10  | 15.42  |
| 176.00 | 19.90  | 19.74  |
| 0.00   | 0.00   | 0.00   |

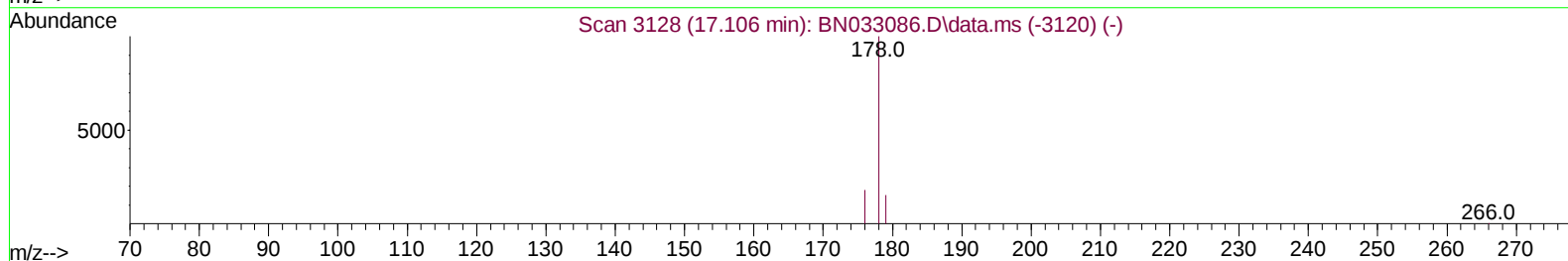
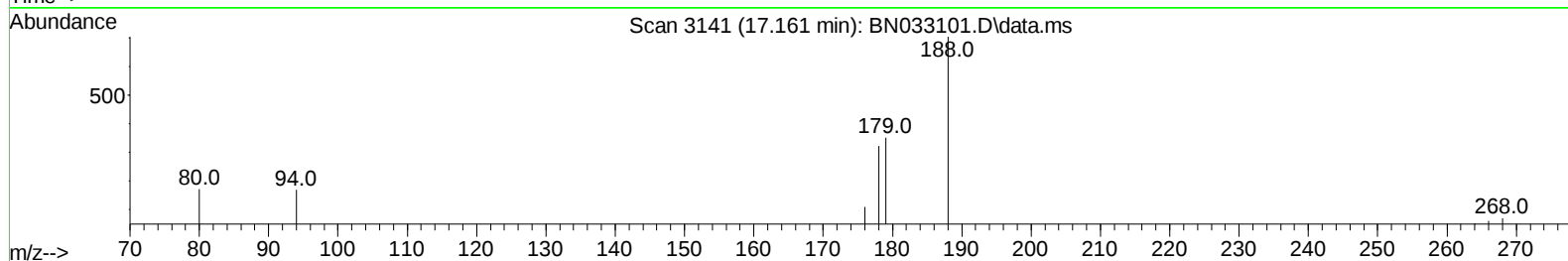
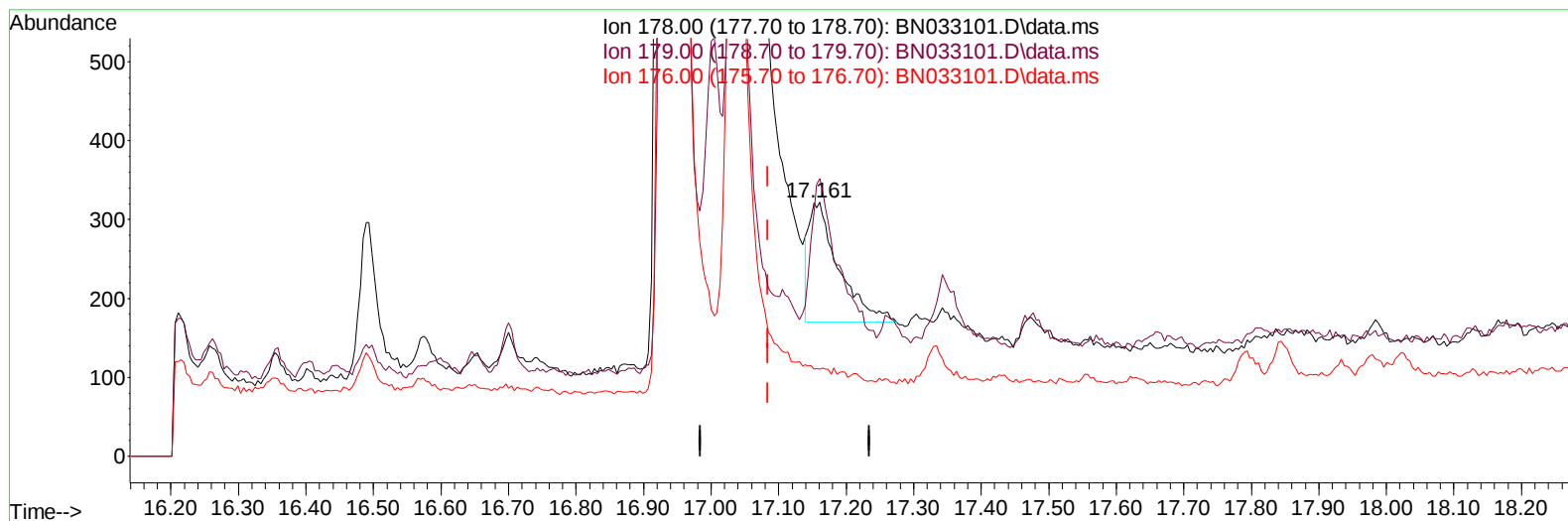
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033101.D  
Acq On : 30 Jul 2024 12:02  
Operator : MA/JU  
Sample : P3336-10  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F7E38

Manual IntegrationsAPPROVED

Quant Time: Jul 30 12:54:09 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 29 23:04:40 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033101.D\data.ms

(16) Anthracene

17.161min (+ 0.076) 0.02 ng/u1

response 465

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 178.00 | 100.00 | 100.00  |
| 179.00 | 17.90  | 109.32# |
| 176.00 | 19.80  | 34.16#  |
| 0.00   | 0.00   | 0.00    |

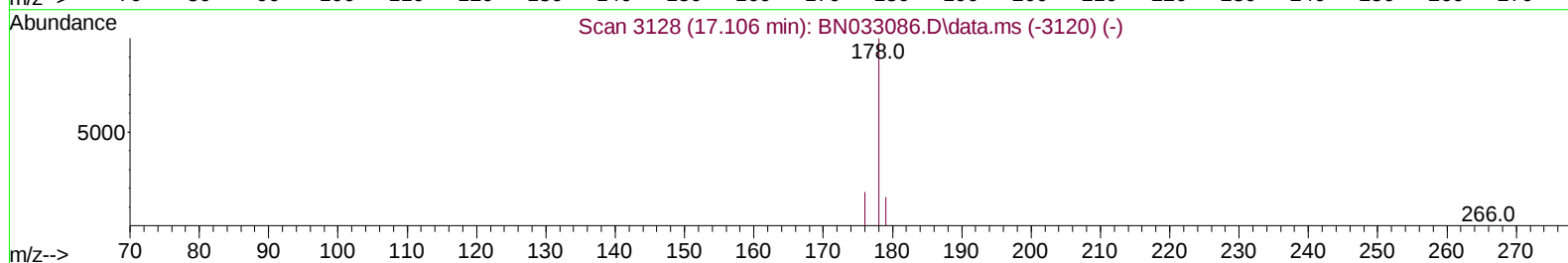
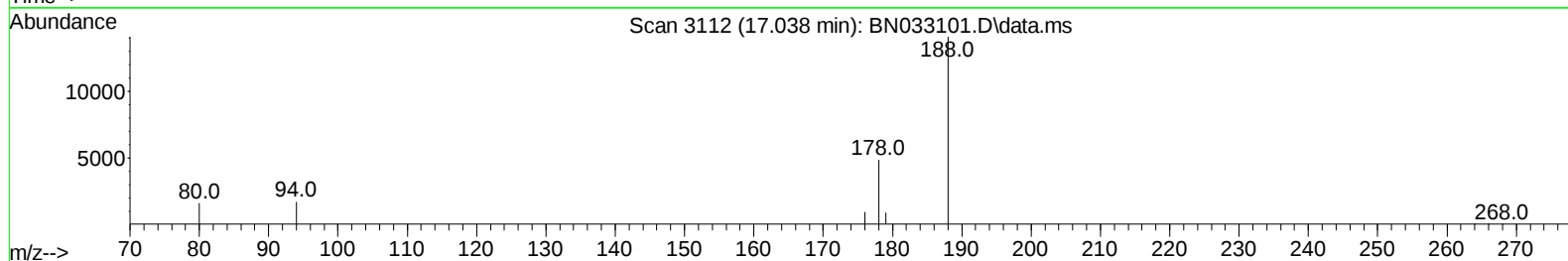
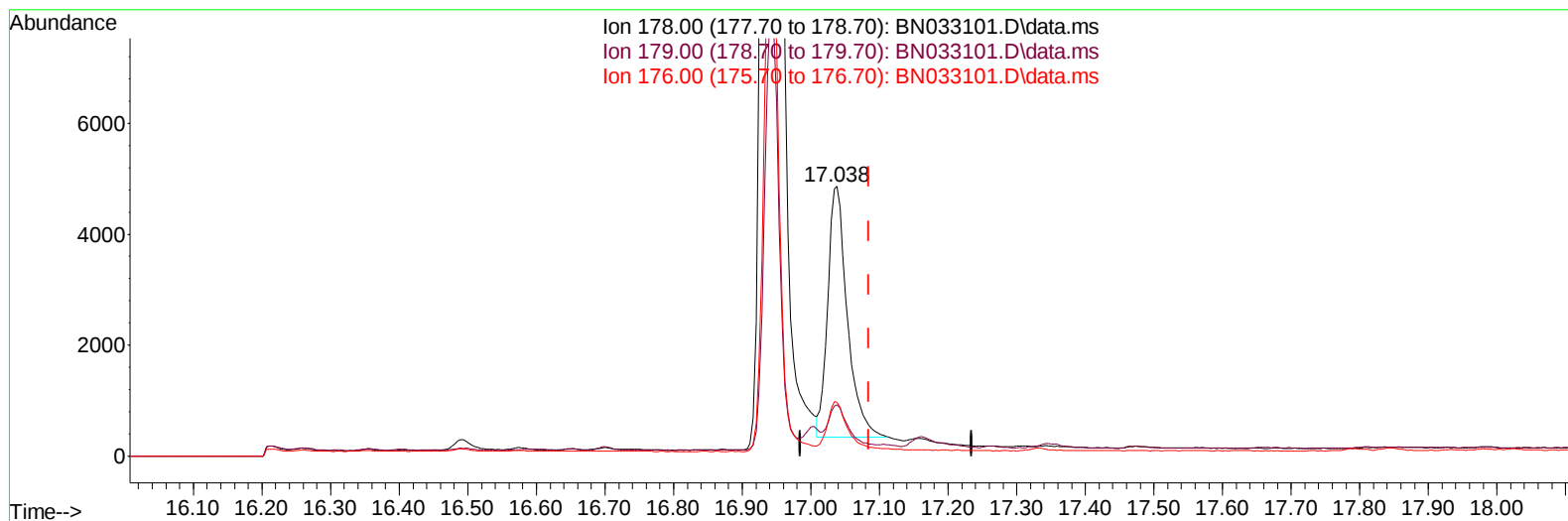
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033101.D  
Acq On : 30 Jul 2024 12:02  
Operator : MA/JU  
Sample : P3336-10  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F7E38

Manual IntegrationsAPPROVED

Quant Time: Jul 30 12:54:09 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 29 23:04:40 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033101.D\data.ms

(16) Anthracene

17.038min (-0.046) 0.44 ng/ul m

response 8965

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 179.00 | 17.90  | 18.94  |
| 176.00 | 19.80  | 19.97  |
| 0.00   | 0.00   | 0.00   |

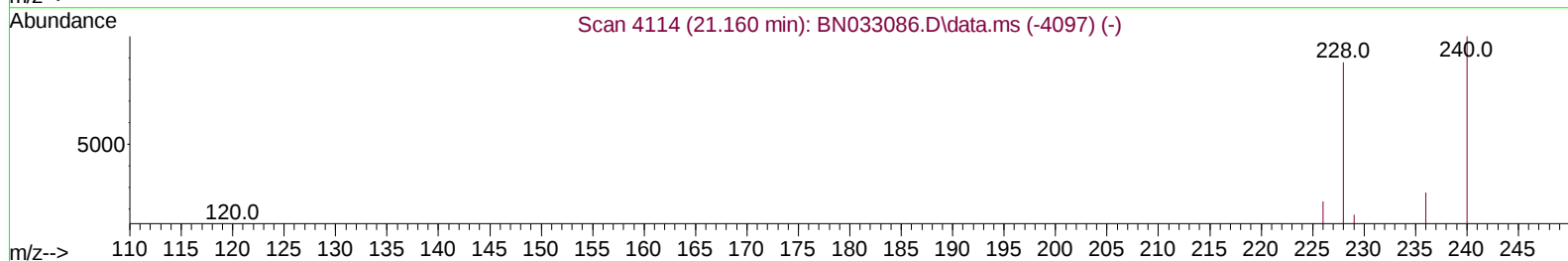
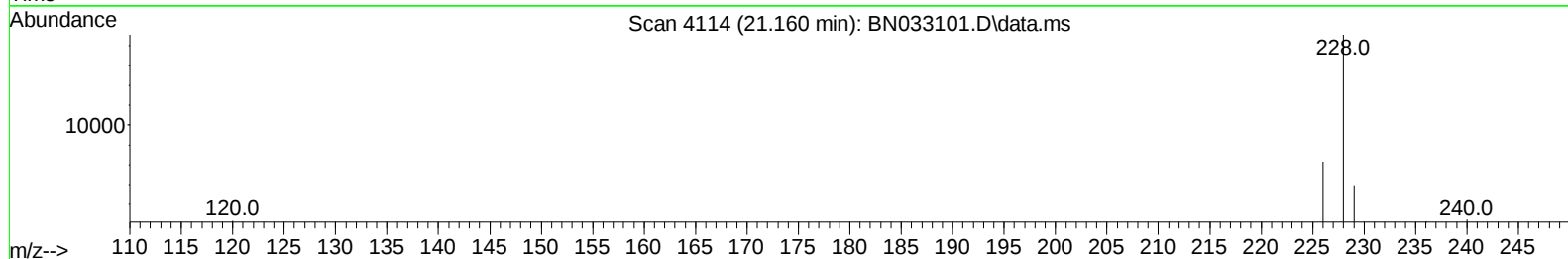
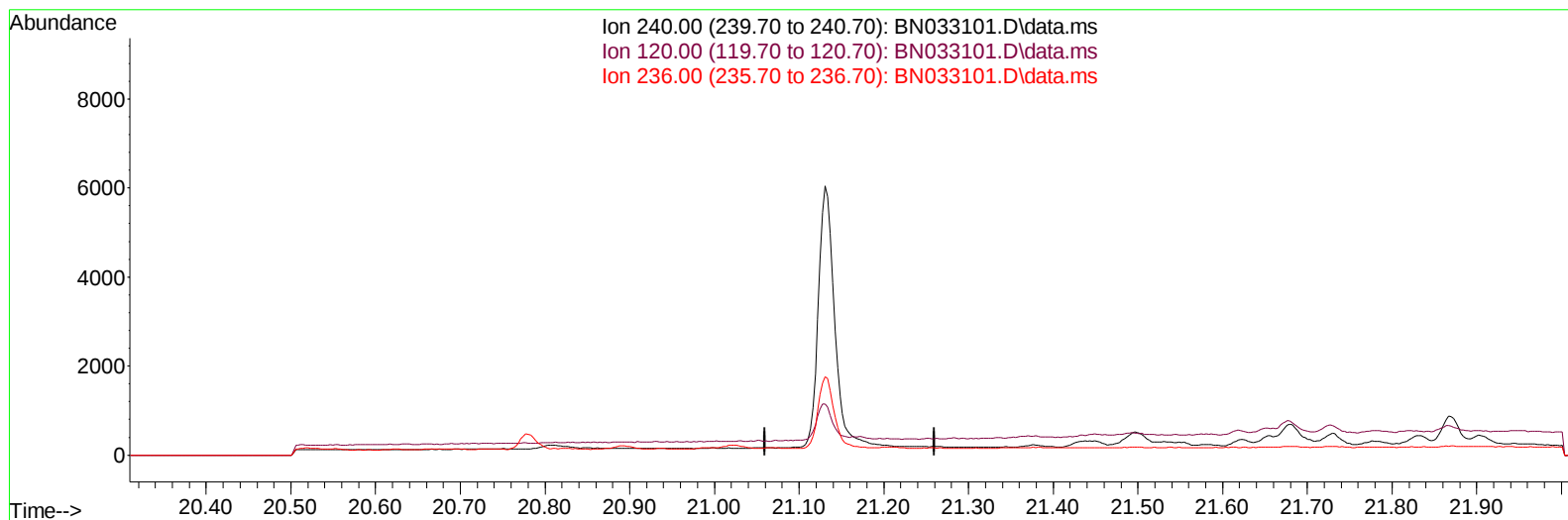
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033101.D  
Acq On : 30 Jul 2024 12:02  
Operator : MA/JU  
Sample : P3336-10  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F7E38

Manual IntegrationsAPPROVED

Quant Time: Jul 30 12:54:09 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 29 23:04:40 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033101.D\data.ms

(17) Chrysene-d12

21.160min (-21.160) 0.00 ng/u1

response 0

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 240.00 | 100.00 | 0.00  |
| 120.00 | 21.40  | 0.00# |
| 236.00 | 29.50  | 0.00# |
| 0.00   | 0.00   | 0.00  |

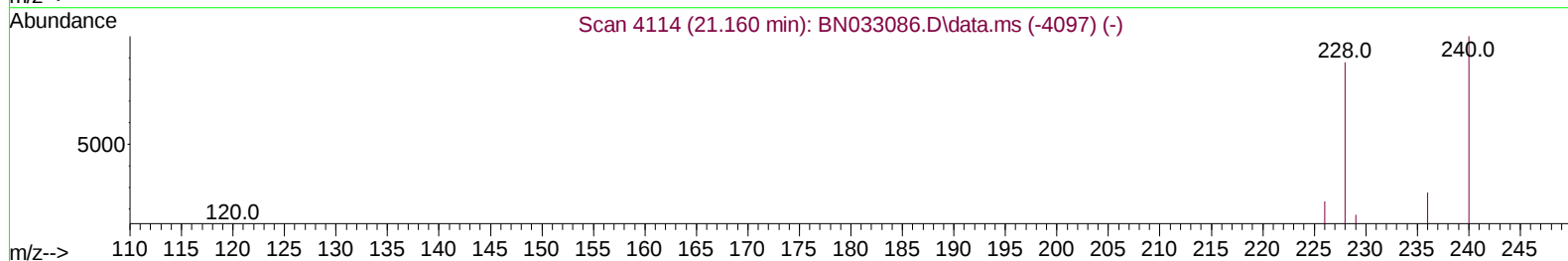
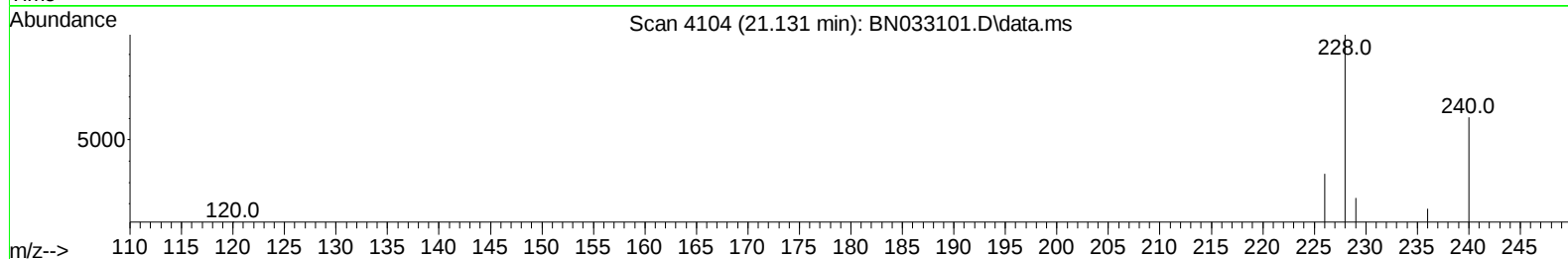
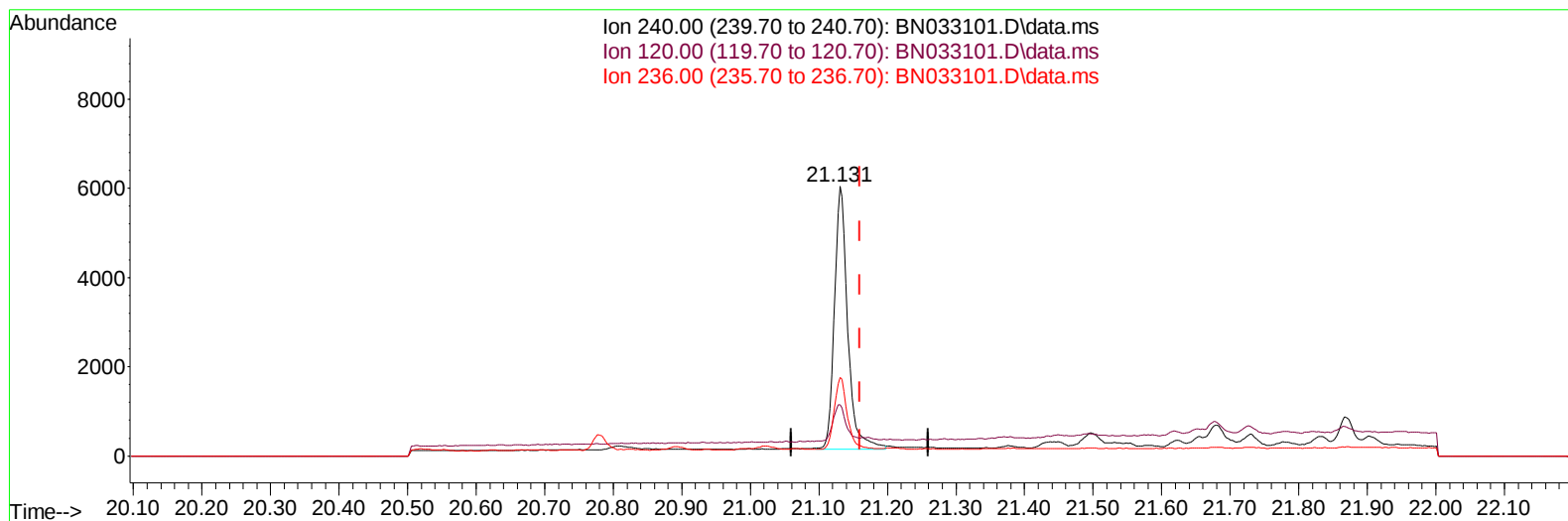
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033101.D  
Acq On : 30 Jul 2024 12:02  
Operator : MA/JU  
Sample : P3336-10  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F7E38

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024

Quant Time: Jul 30 12:54:09 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 29 23:04:40 2024  
Response via : Initial Calibration



TIC: BN033101.D\data.ms

## (17) Chrysene-d12

21.131min (-0.029) 0.40 ng/ul m

response 7977

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 240.00 | 100.00 | 100.00 |
| 120.00 | 21.40  | 19.00  |
| 236.00 | 29.50  | 29.21  |
| 0.00   | 0.00   | 0.00   |

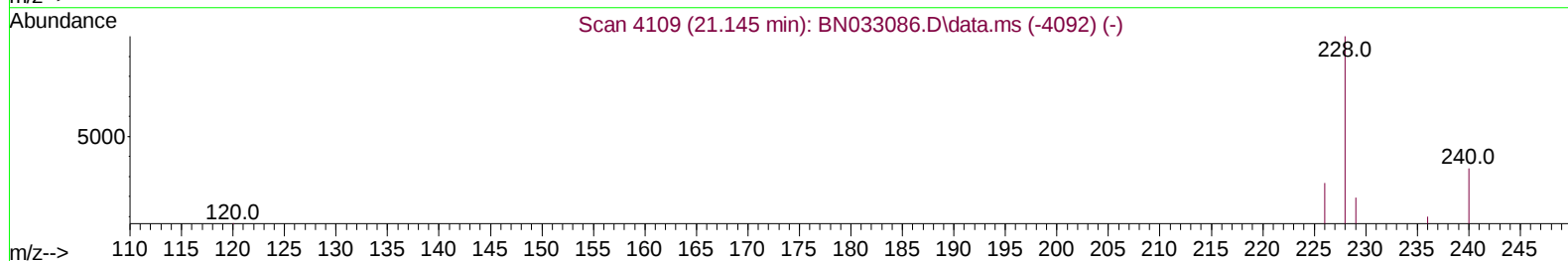
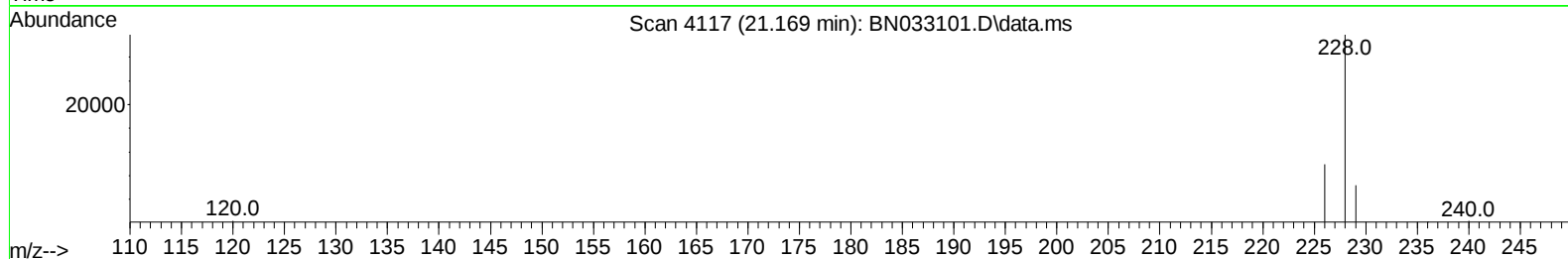
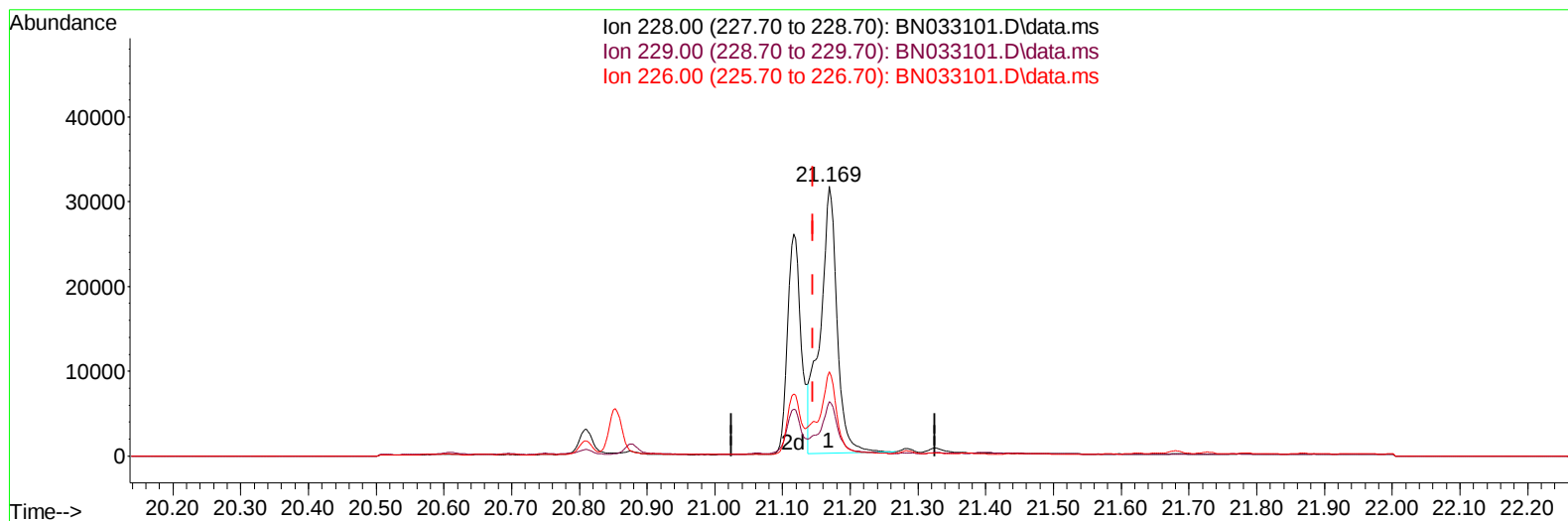
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033101.D  
Acq On : 30 Jul 2024 12:02  
Operator : MA/JU  
Sample : P3336-10  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F7E38

Manual IntegrationsAPPROVED

Quant Time: Jul 30 12:54:09 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 29 23:04:40 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033101.D\data.ms

(21) Benzo(a)anthracene

21.169min (+ 0.023) 2.04 ng/u1

response 55516

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 21.40  | 20.12  |
| 226.00 | 28.00  | 31.21  |
| 0.00   | 0.00   | 0.00   |

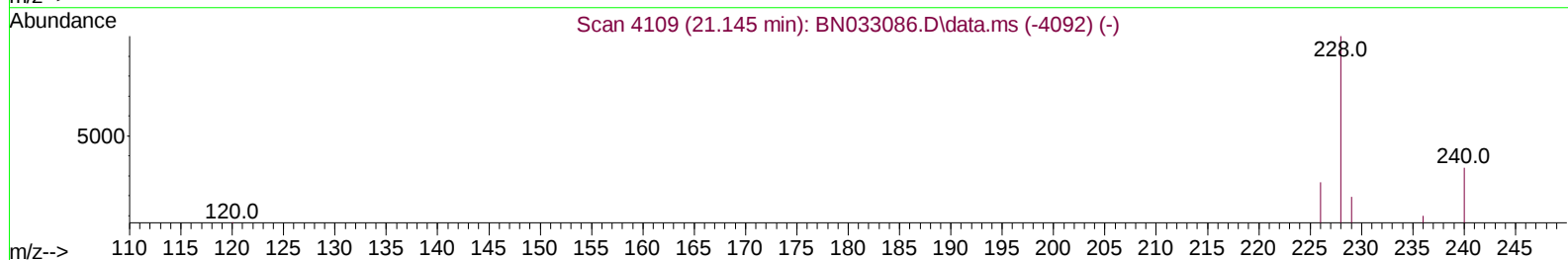
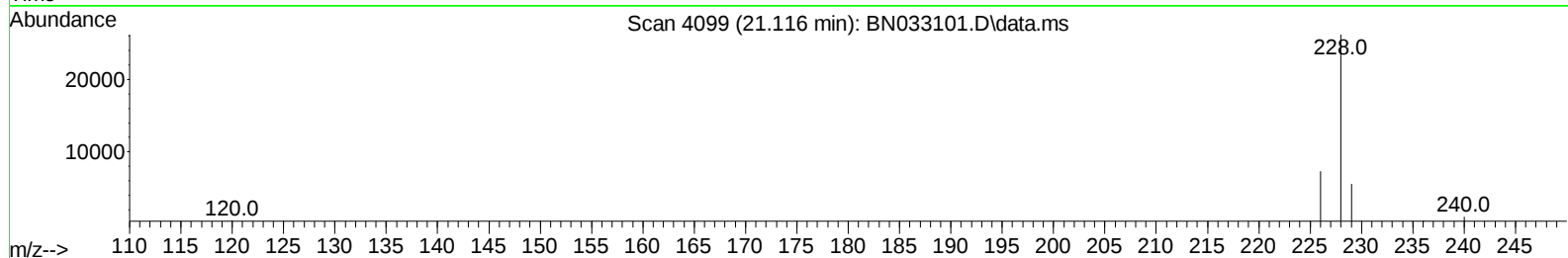
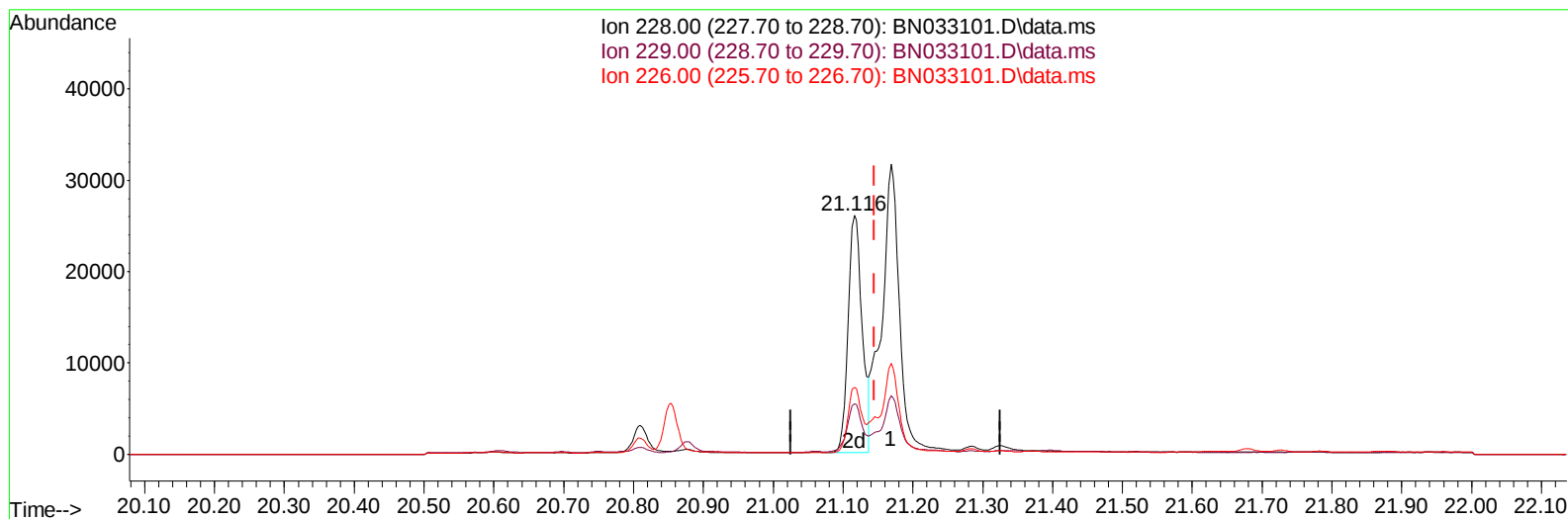
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033101.D  
Acq On : 30 Jul 2024 12:02  
Operator : MA/JU  
Sample : P3336-10  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F7E38

Manual IntegrationsAPPROVED

Quant Time: Jul 30 12:54:09 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 29 23:04:40 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033101.D\data.ms

(21) Benzo(a)anthracene

21.116min (-0.029) 1.34 ng/u1 m

response 36521

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 21.40  | 21.20  |
| 226.00 | 28.00  | 28.00  |
| 0.00   | 0.00   | 0.00   |

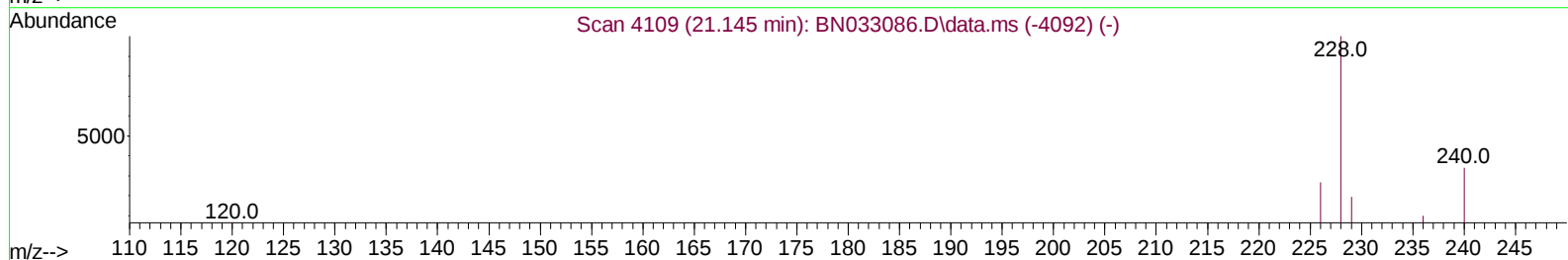
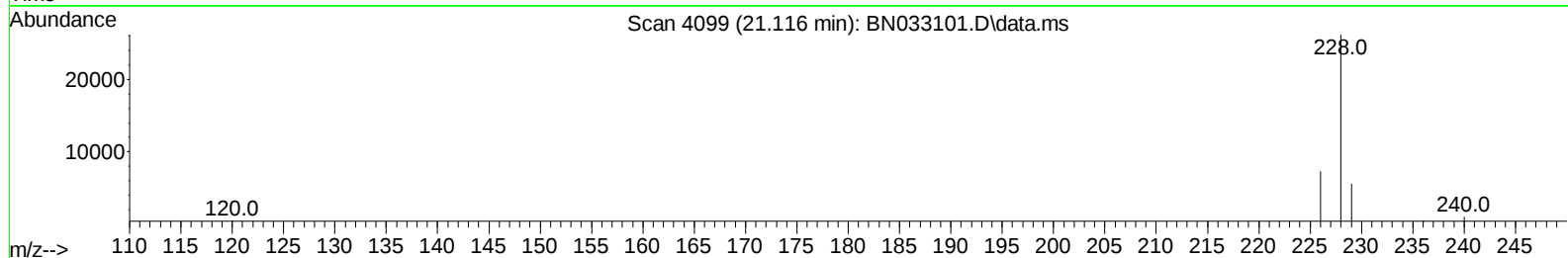
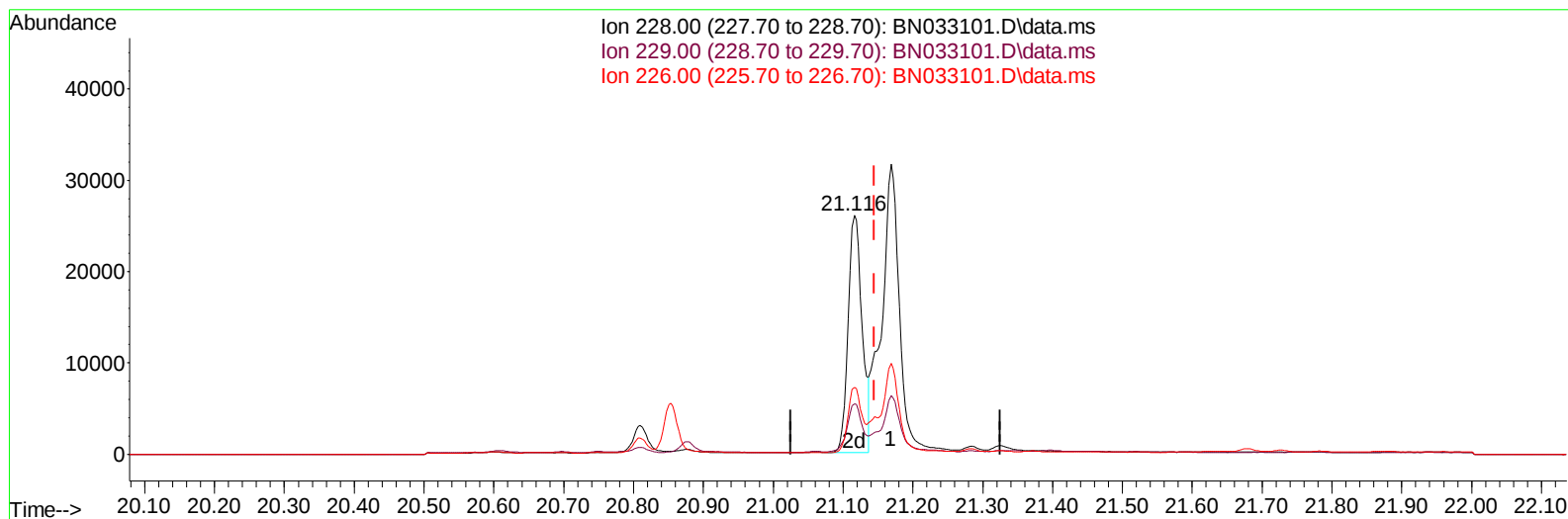
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033101.D  
Acq On : 30 Jul 2024 12:02  
Operator : MA/JU  
Sample : P3336-10  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F7E38

Manual IntegrationsAPPROVED

Quant Time: Jul 30 12:54:09 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 29 23:04:40 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033101.D\data.ms

(21) Benzo(a)anthracene

21.116min (-0.029) 1.34 ng/u1 m

response 36521

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 21.40  | 21.20  |
| 226.00 | 28.00  | 28.00  |
| 0.00   | 0.00   | 0.00   |

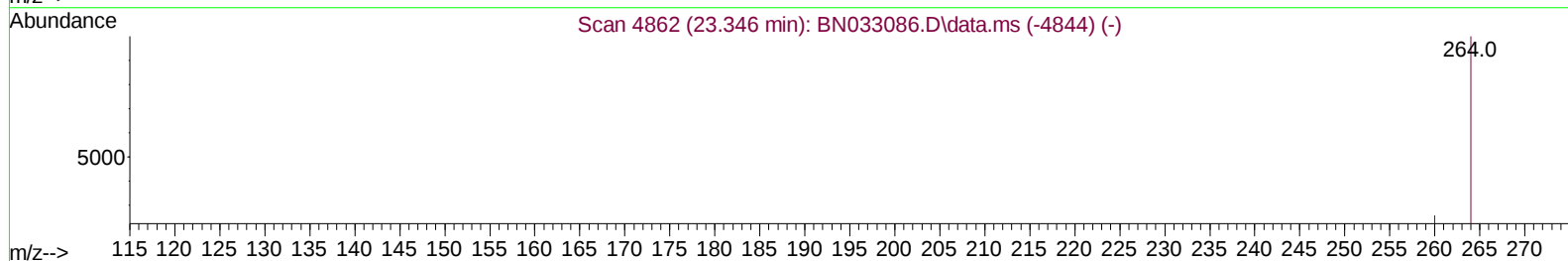
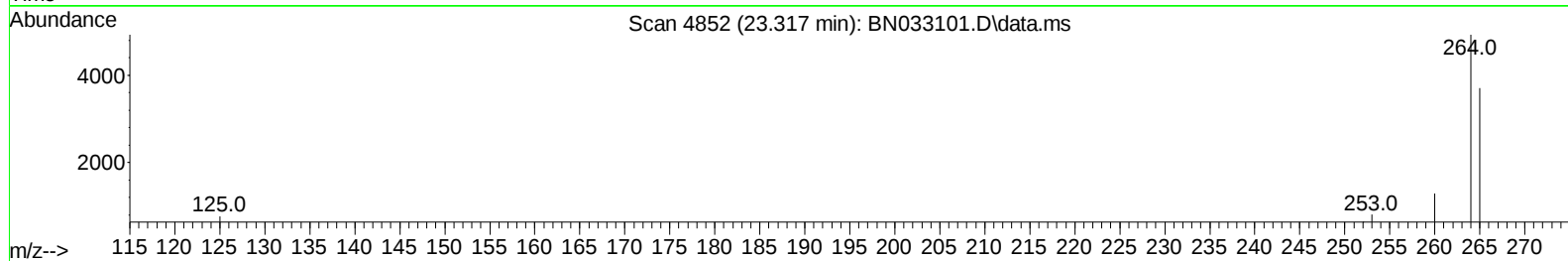
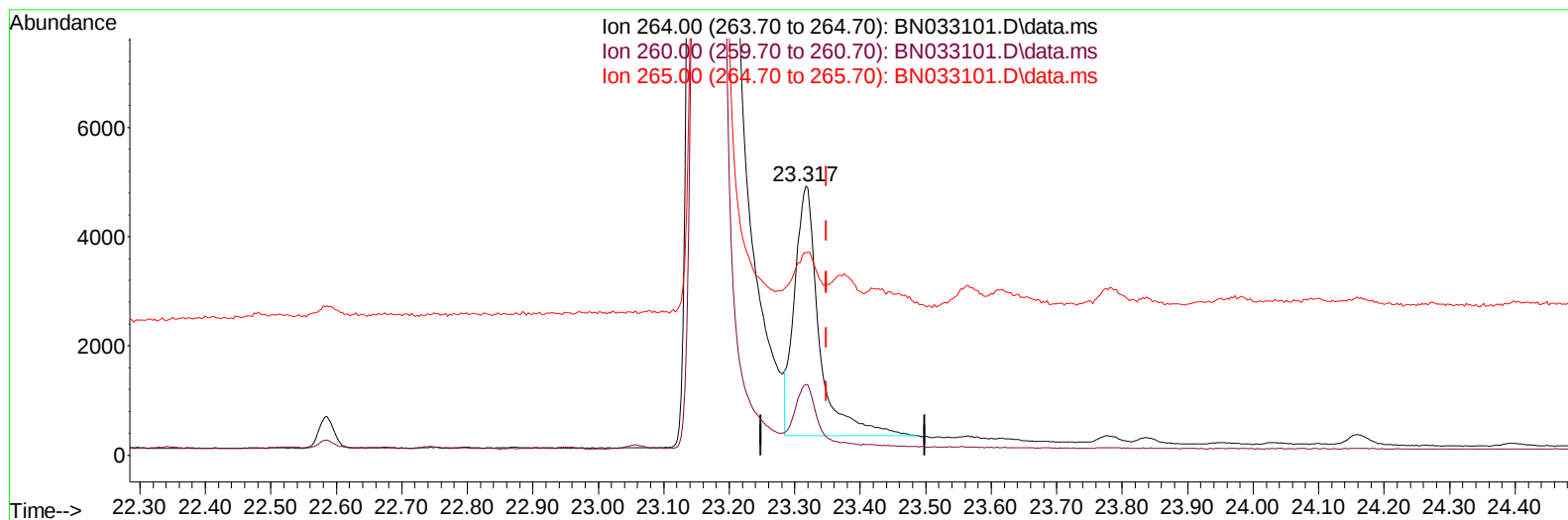
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033101.D  
Acq On : 30 Jul 2024 12:02  
Operator : MA/JU  
Sample : P3336-10  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F7E38

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024

Quant Time: Jul 30 12:54:09 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 29 23:04:40 2024  
Response via : Initial Calibration



TIC: BN033101.D\data.ms

## (23) Perylene-d12 (I)

23.317min (-0.032) 0.40 ng/u1

response 11940

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 26.50  | 26.31  |
| 265.00 | 80.60  | 75.07  |
| 0.00   | 0.00   | 0.00   |

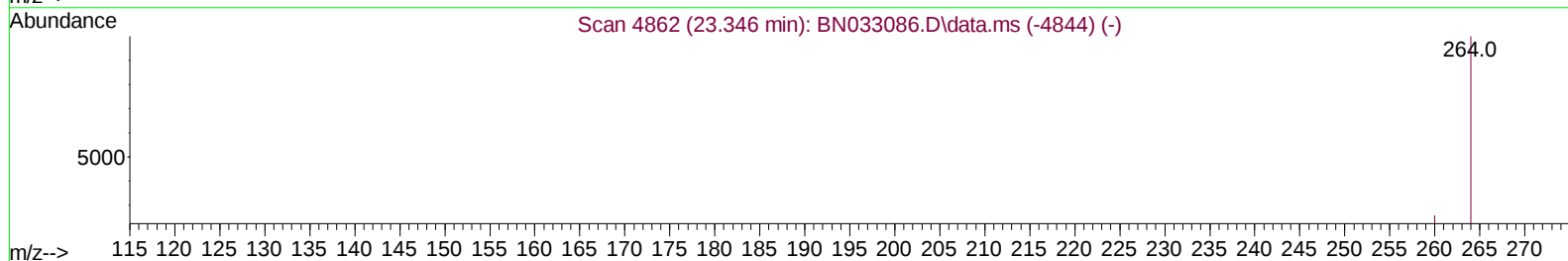
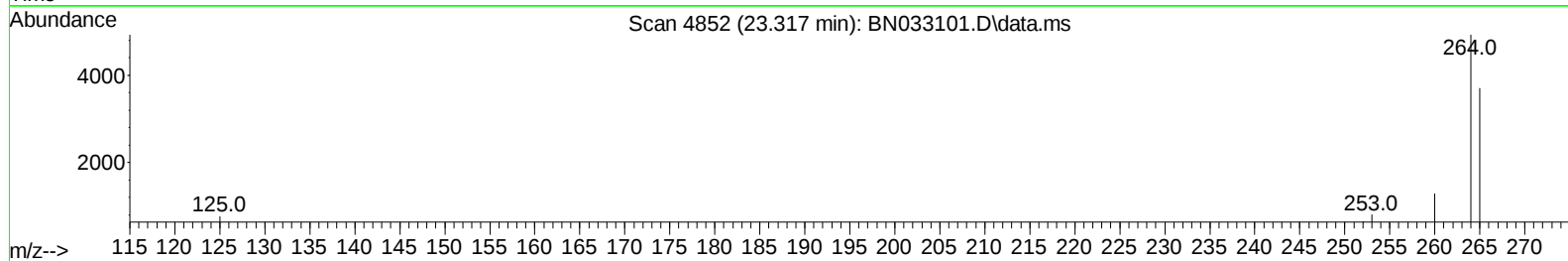
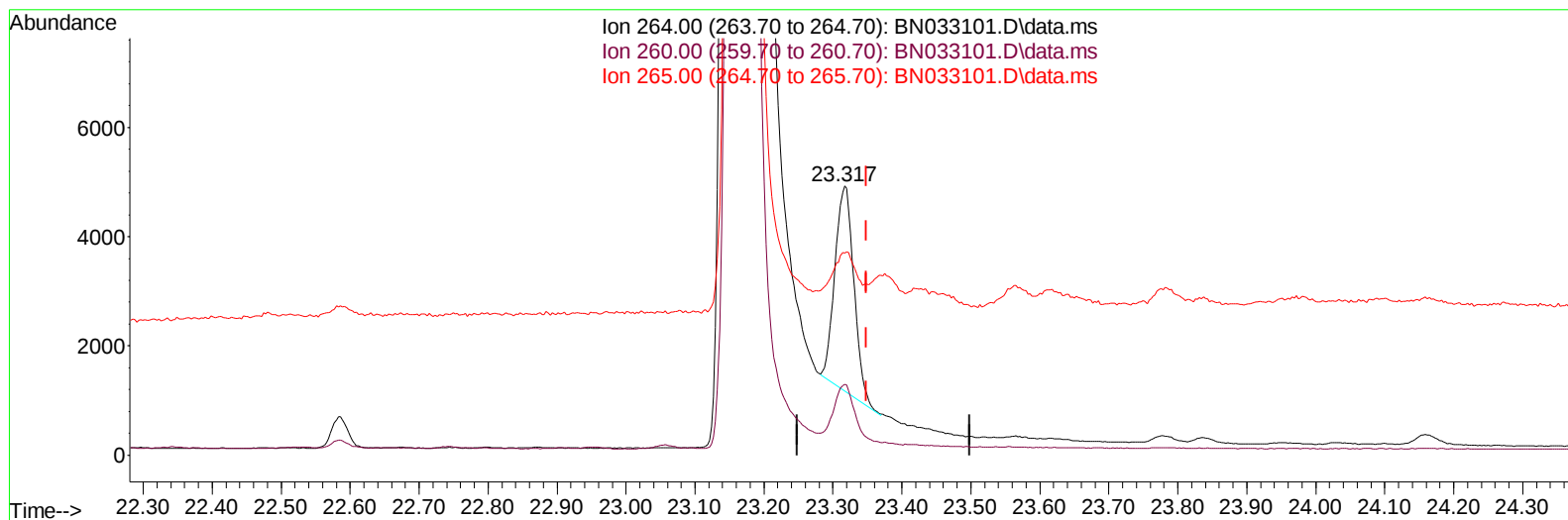
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033101.D  
Acq On : 30 Jul 2024 12:02  
Operator : MA/JU  
Sample : P3336-10  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F7E38

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024

Quant Time: Jul 30 12:54:09 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 29 23:04:40 2024  
Response via : Initial Calibration



TIC: BN033101.D\data.ms

## (23) Perylene-d12 (I)

23.317min (-0.032) 0.40 ng/ul m

response 7147

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 26.50  | 26.31  |
| 265.00 | 80.60  | 75.07  |
| 0.00   | 0.00   | 0.00   |

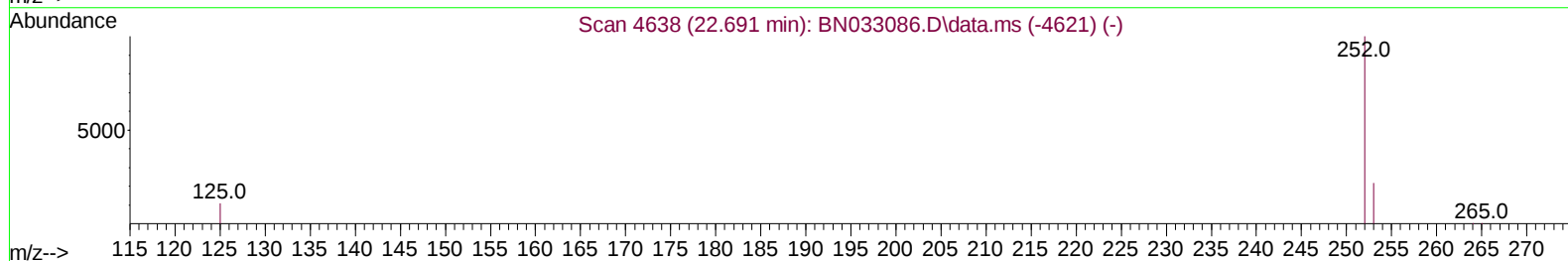
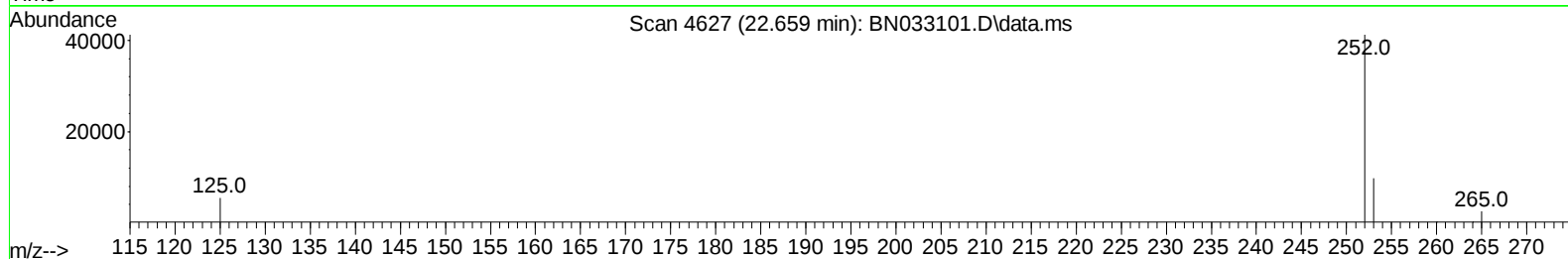
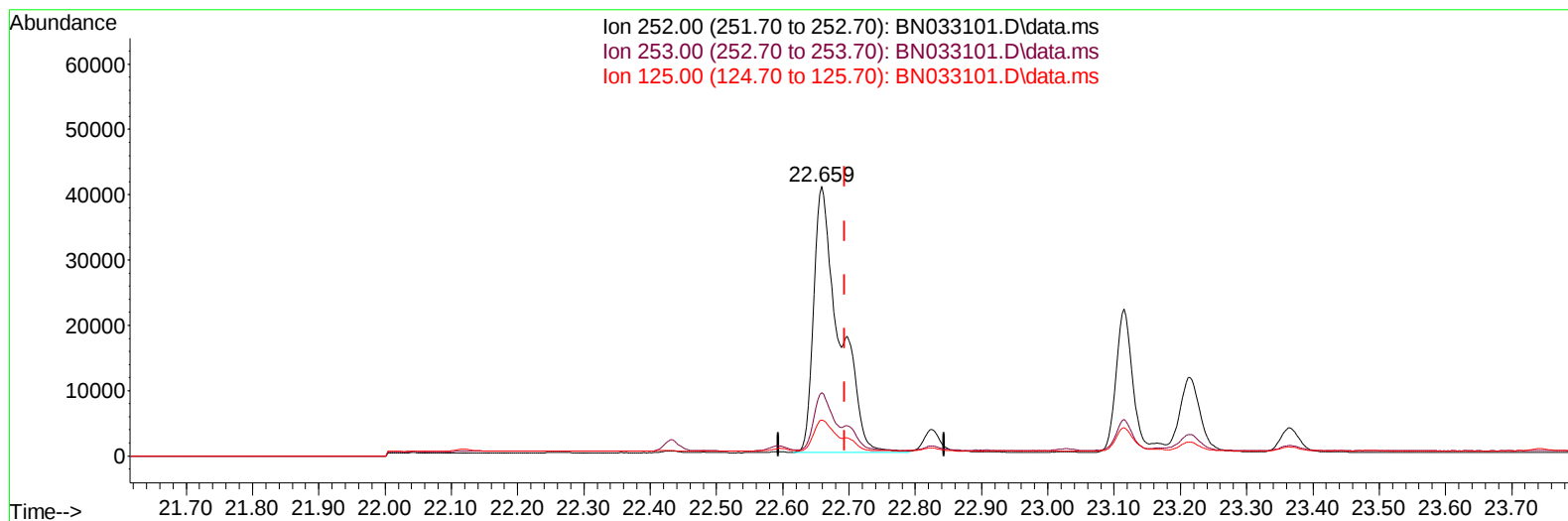
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033101.D  
Acq On : 30 Jul 2024 12:02  
Operator : MA/JU  
Sample : P3336-10  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F7E38

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024

Quant Time: Jul 30 12:54:09 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 29 23:04:40 2024  
Response via : Initial Calibration



TIC: BN033101.D\data.ms

## (24) Benzo(b)fluoranthene

22.659min (-0.035) 5.25 ng/u1

response 109528

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 30.30  | 23.59  |
| 125.00 | 25.50  | 13.33  |
| 0.00   | 0.00   | 0.00   |

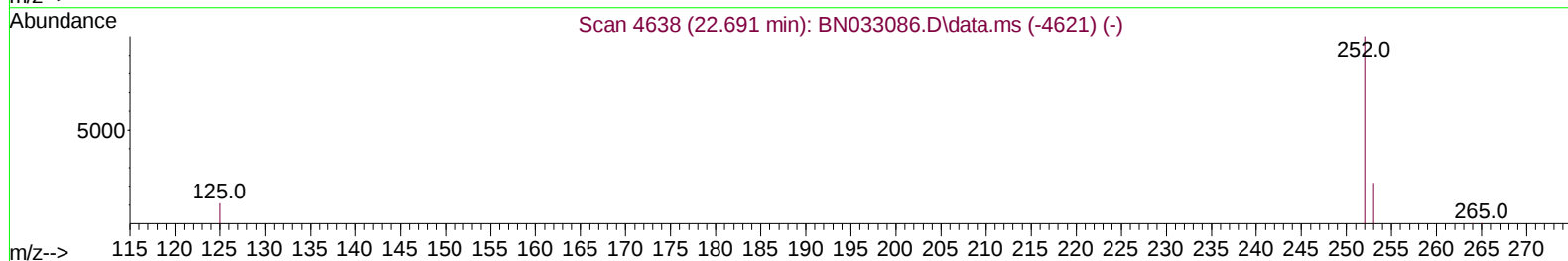
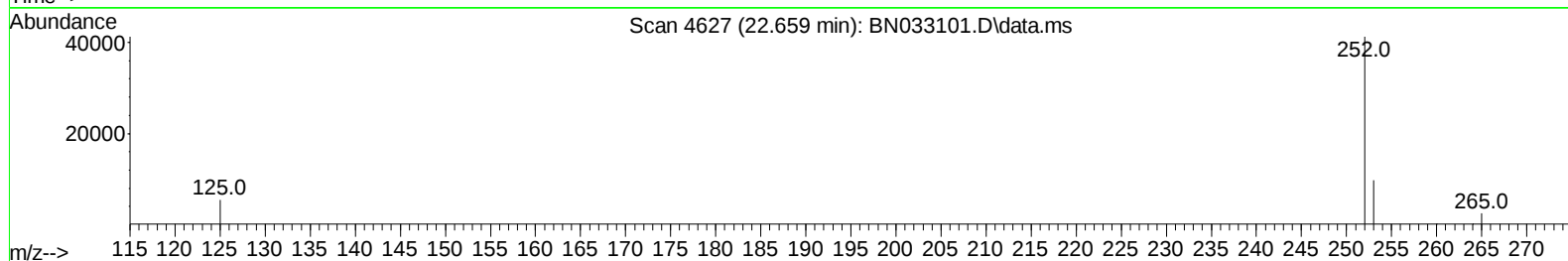
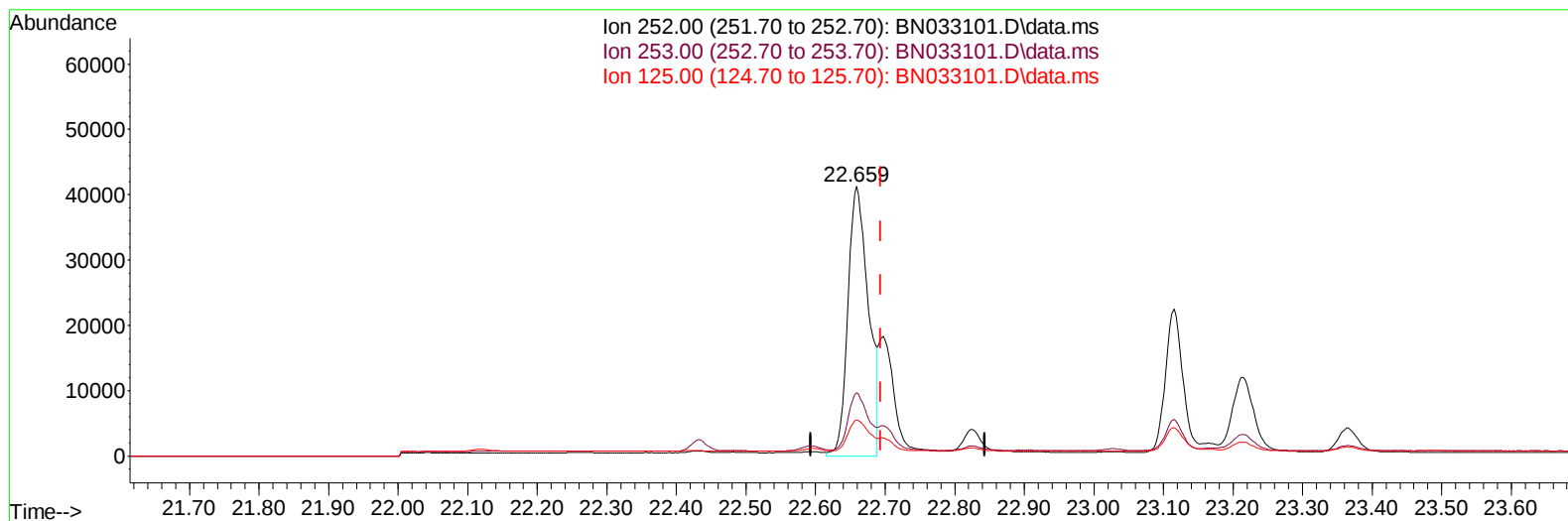
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
 Data File : BN033101.D  
 Acq On : 30 Jul 2024 12:02  
 Operator : MA/JU  
 Sample : P3336-10  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 F7E38

Manual IntegrationsAPPROVED

Quant Time: Jul 30 12:54:09 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 29 23:04:40 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/30/2024  
 Supervised By :mohammad ahmed 07/31/2024



TIC: BN033101.D\data.ms

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

22.659min (-0.035) 4.06 ng/u1 m

response 84829

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 30.30  | 23.59  |
| 125.00 | 25.50  | 13.33  |
| 0.00   | 0.00   | 0.00   |

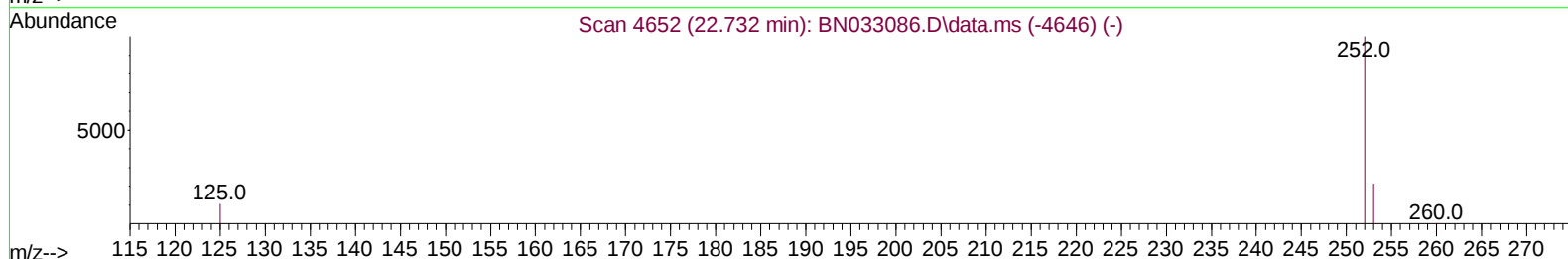
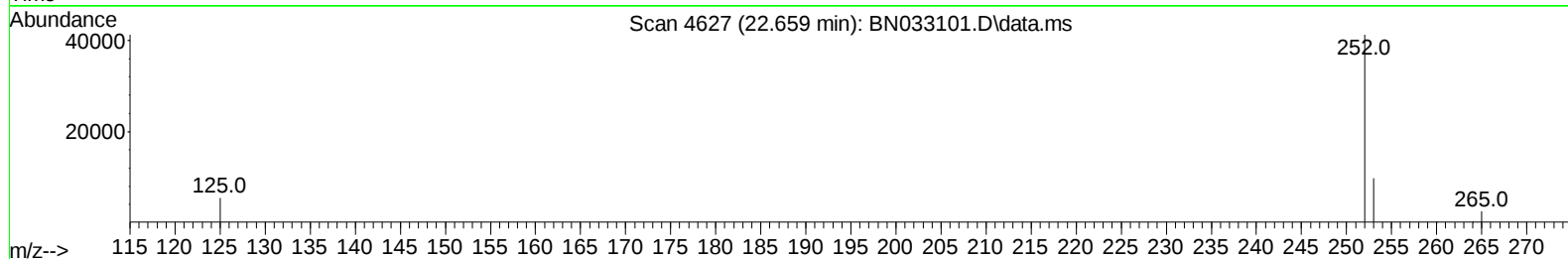
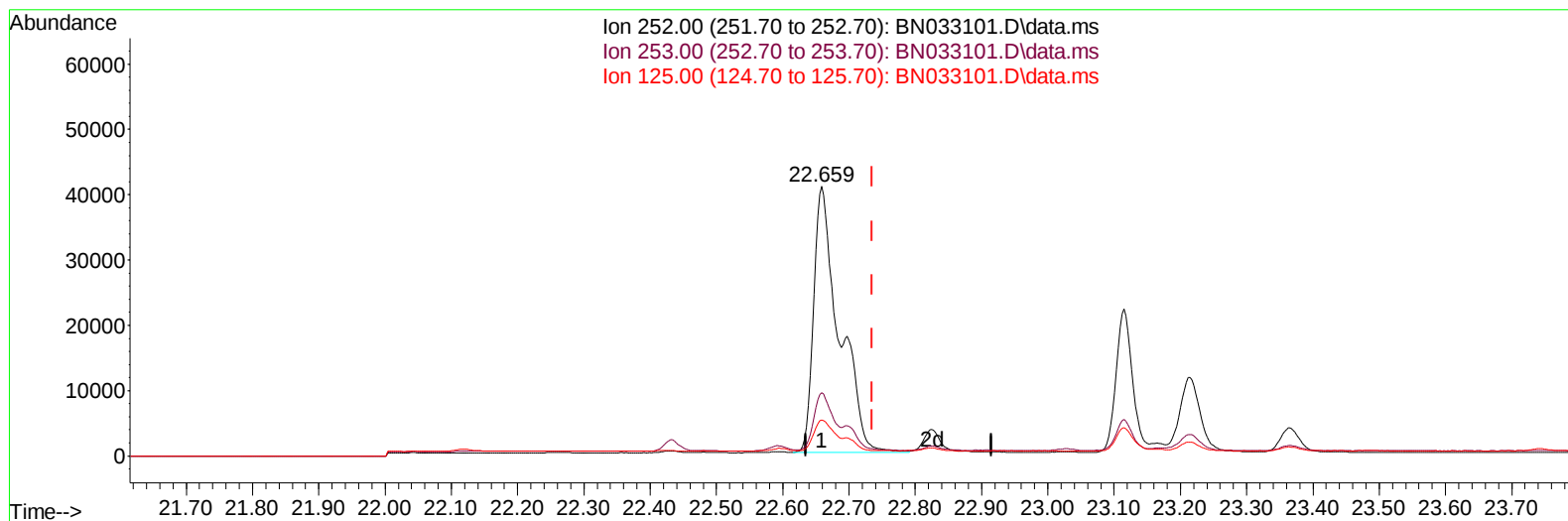
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033101.D  
Acq On : 30 Jul 2024 12:02  
Operator : MA/JU  
Sample : P3336-10  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F7E38

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024

Quant Time: Jul 30 12:54:09 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 29 23:04:40 2024  
Response via : Initial Calibration



TIC: BN033101.D\data.ms

## (25) Benzo(k)fluoranthene

22.659min (-0.076) 4.38 ng/u1

response 109528

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 31.10  | 23.59# |
| 125.00 | 26.10  | 13.33# |
| 0.00   | 0.00   | 0.00   |

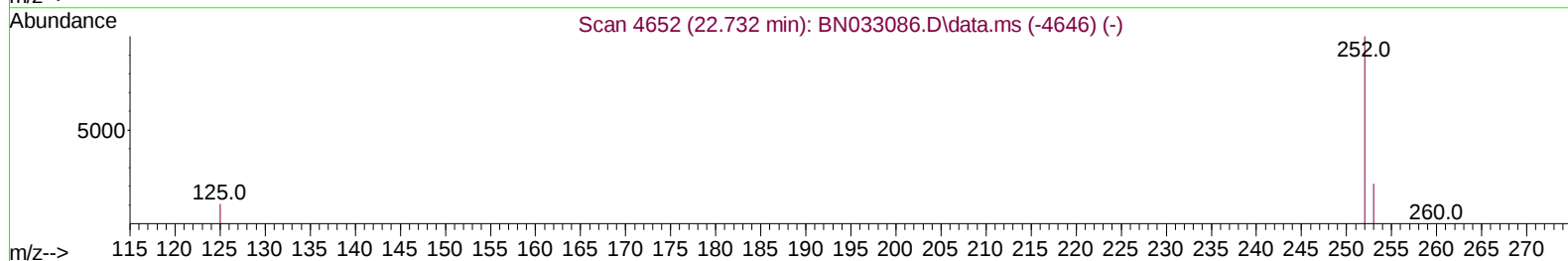
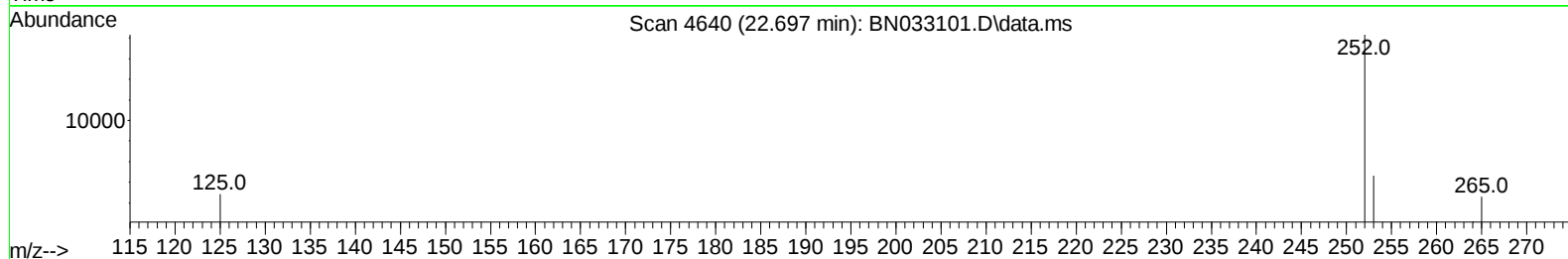
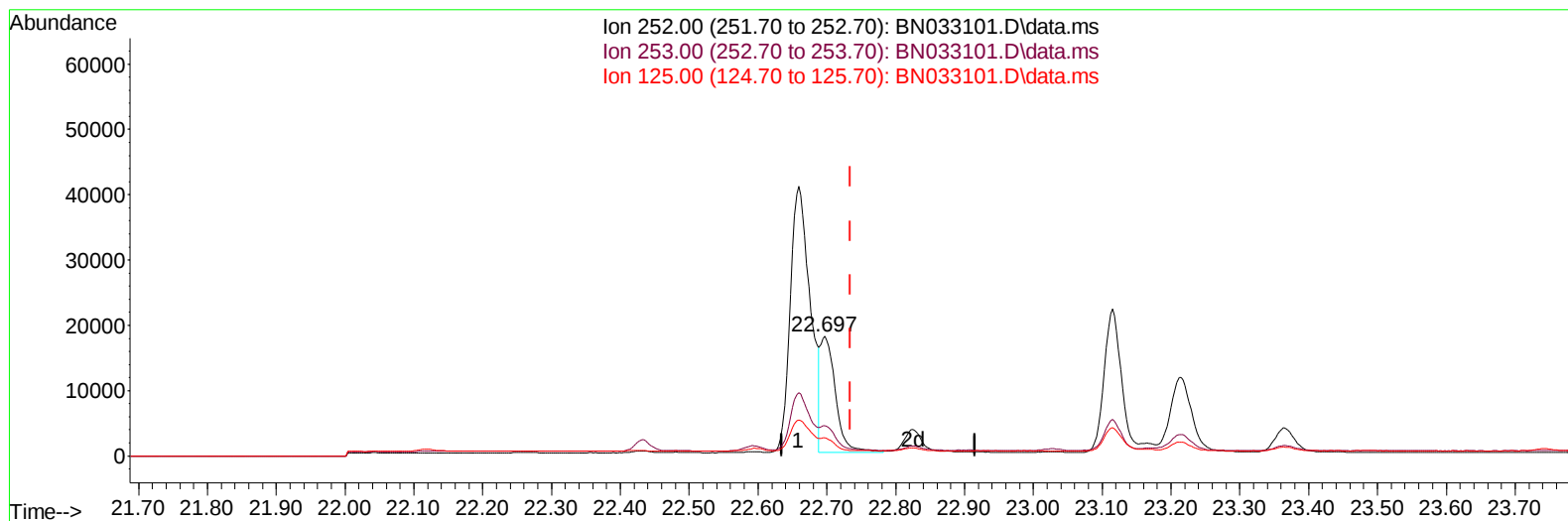
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033101.D  
Acq On : 30 Jul 2024 12:02  
Operator : MA/JU  
Sample : P3336-10  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F7E38

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024

Quant Time: Jul 30 12:54:09 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 29 23:04:40 2024  
Response via : Initial Calibration



TIC: BN033101.D\data.ms

**(25) Benzo(k)fluoranthene**

22.697min (-0.038) 1.08 ng/u1 m

response 27090

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 31.10  | 25.22  |
| 125.00 | 26.10  | 15.36# |
| 0.00   | 0.00   | 0.00   |

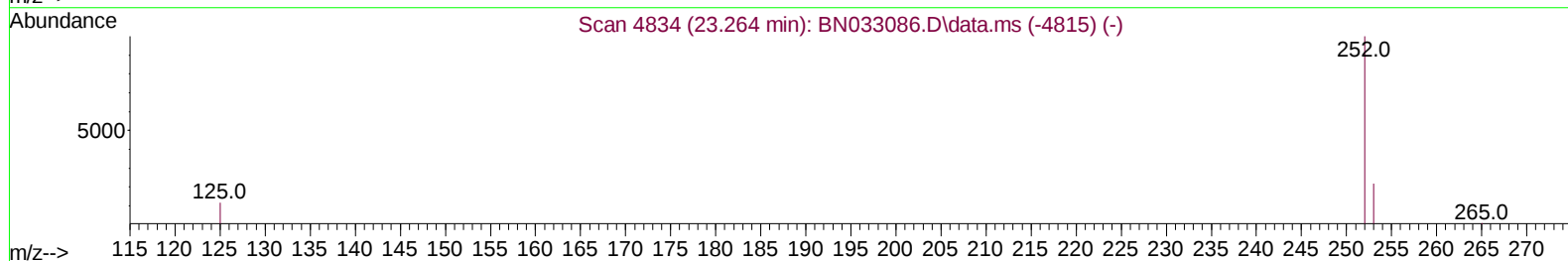
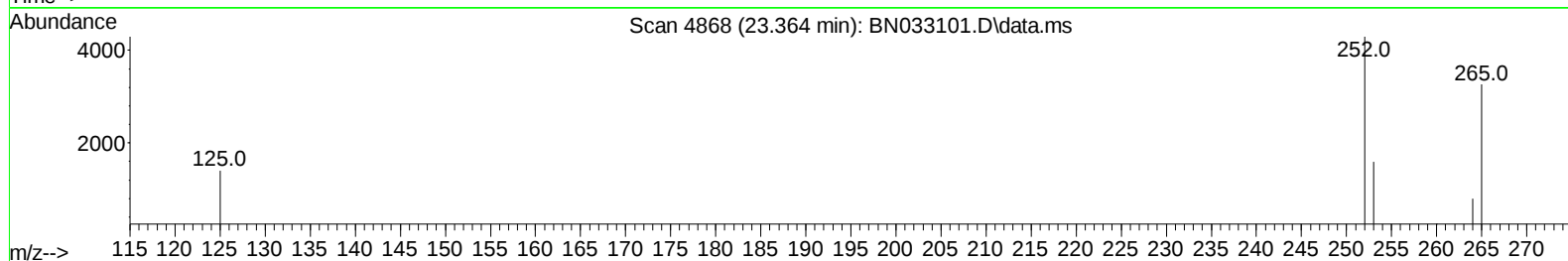
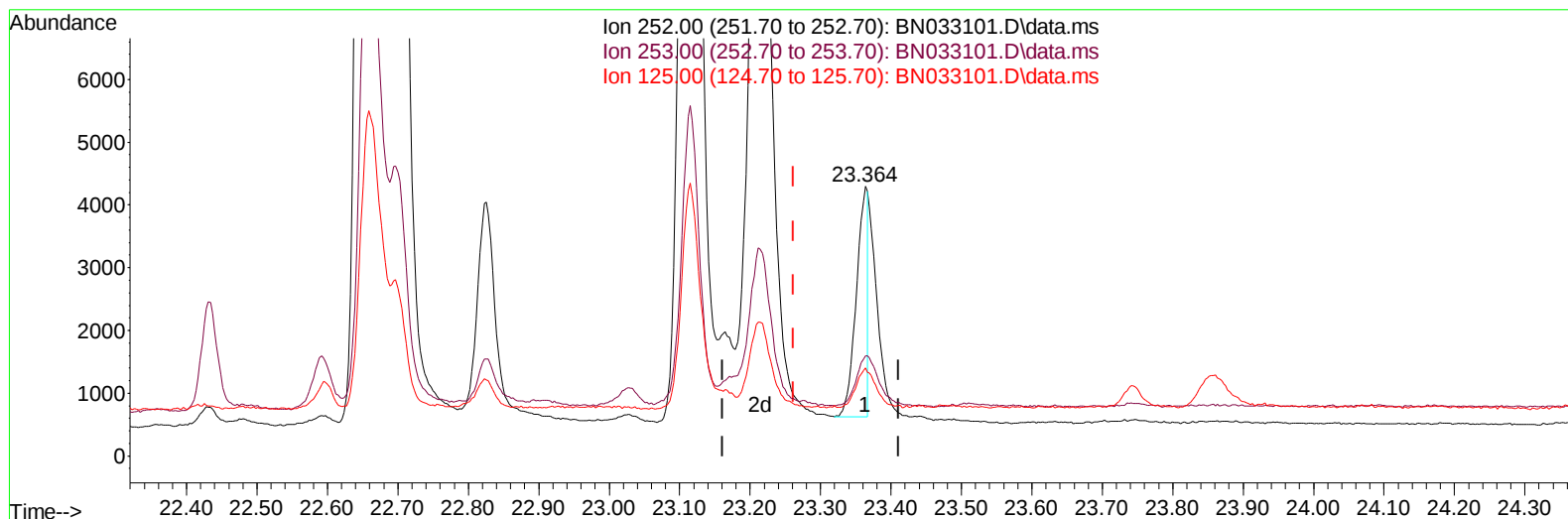
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
 Data File : BN033101.D  
 Acq On : 30 Jul 2024 12:02  
 Operator : MA/JU  
 Sample : P3336-10  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 F7E38

Manual IntegrationsAPPROVED

Quant Time: Jul 30 12:54:09 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 29 23:04:40 2024  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/30/2024  
 Supervised By :mohammad ahmed 07/31/2024



TIC: BN033101.D\data.ms

**(26) Benzo(a)pyrene (C)**

**23.364min (+ 0.102) 0.21 ng/u1**

**response 4159**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 34.40  | 37.21  |
| 125.00 | 33.80  | 32.60  |
| 0.00   | 0.00   | 0.00   |

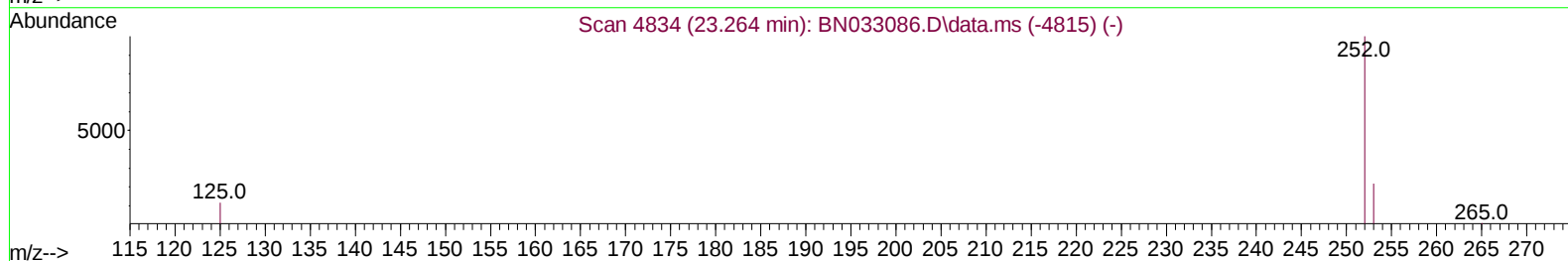
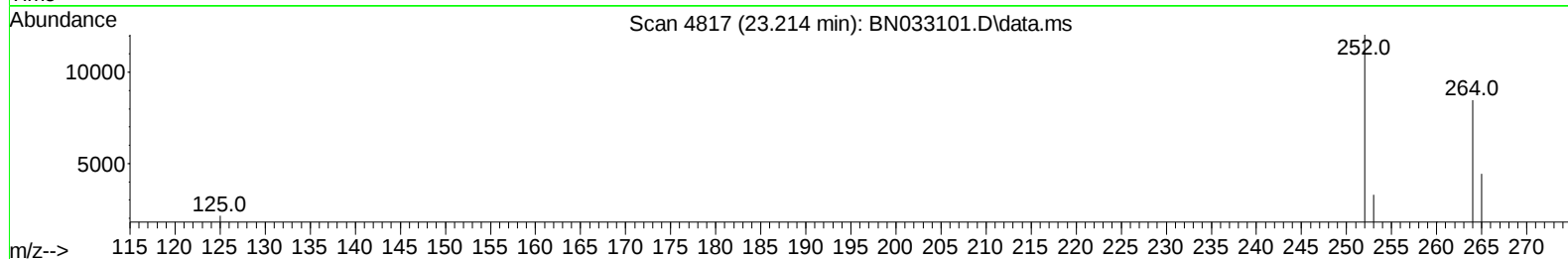
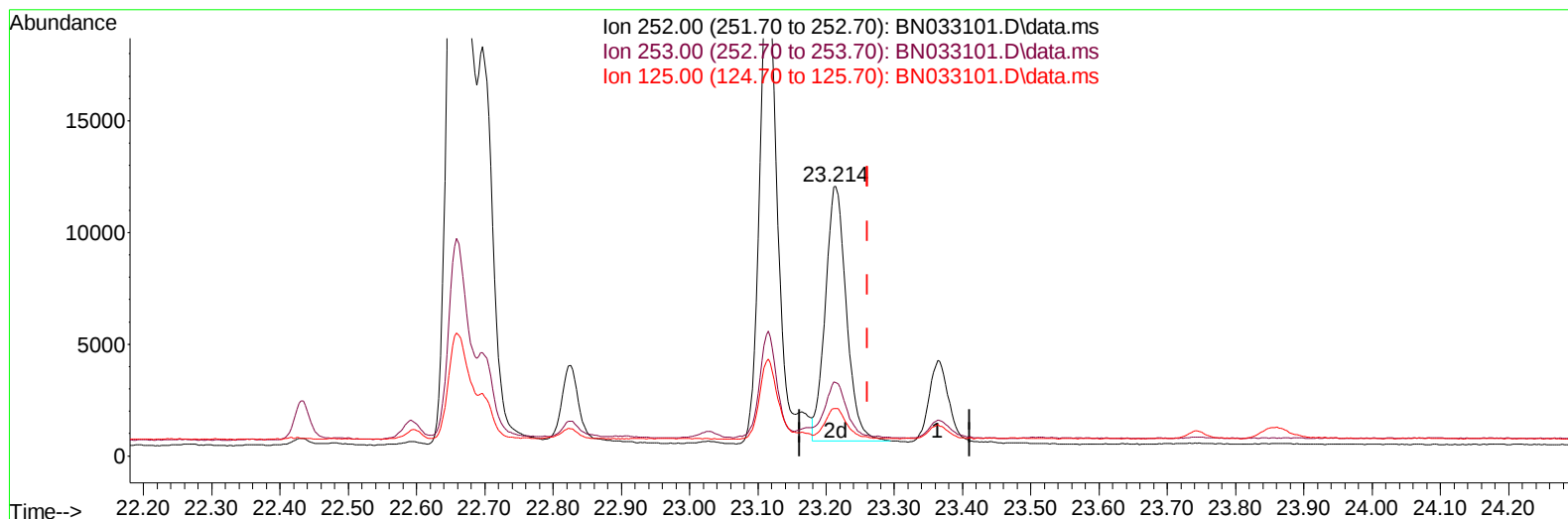
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033101.D  
Acq On : 30 Jul 2024 12:02  
Operator : MA/JU  
Sample : P3336-10  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F7E38

Manual IntegrationsAPPROVED

Quant Time: Jul 30 12:54:09 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 29 23:04:40 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033101.D\data.ms

(26) Benzo(a)pyrene (C)

23.214min (-0.047) 1.24 ng/u1 m

response 24446

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 34.40  | 27.31# |
| 125.00 | 33.80  | 17.65# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
 Data File : BN033101.D  
 Acq On : 30 Jul 2024 12:02  
 Operator : MA/JU  
 Sample : P3336-10  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 F7E38

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/30/2024  
 Supervised By :mohammad ahmed 07/31/2024

Quant Time: Jul 30 12:54:09 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 29 23:04:40 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.495  | 152  | 1554     | 0.400 | ng/ul  | -0.03    |
| 4) Naphthalene-d8           | 10.251 | 136  | 5820     | 0.400 | ng/ul  | -0.05    |
| 9) Acenaphthene-d10         | 14.138 | 164  | 3617     | 0.400 | ng/ul  | #-0.03   |
| 13) Phenanthrene-d10        | 16.903 | 188  | 8446m    | 0.400 | ng/ul  | -0.04    |
| 17) Chrysene-d12            | 21.131 | 240  | 7977m    | 0.400 | ng/ul  | -0.03    |
| 23) Perylene-d12            | 23.317 | 264  | 7147m    | 0.400 | ng/ul  | -0.03    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.056  | 96   | 7393     | 3.761 | ng/ul  | -0.01    |
| 6) 2-Methylnaphthalene-d10  | 11.873 | 152  | 2421     | 0.255 | ng/ul  | -0.04    |
| 18) Fluoranthene-d10        | 18.949 | 212  | 6470     | 0.286 | ng/ul  | -0.03    |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        | Qvalue   |
| 5) Naphthalene              | 10.300 | 128  | 64716    | 4.330 | ng/ul# | 92       |
| 7) 2-Methylnaphthalene      | 11.950 | 142  | 4678     | 0.462 | ng/ul  | 96       |
| 8) 1-Methylnaphthalene      | 12.165 | 142  | 2169     | 0.198 | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.856 | 152  | 5405     | 0.365 | ng/ul  | 97       |
| 11) Acenaphthene            | 14.203 | 153  | 7129     | 0.640 | ng/ul  | 99       |
| 12) Fluorene                | 15.203 | 166  | 12849    | 0.990 | ng/ul  | 99       |
| 15) Phenanthrene            | 16.941 | 178  | 79465m   | 3.508 | ng/ul  |          |
| 16) Anthracene              | 17.038 | 178  | 8965m    | 0.440 | ng/ul  |          |
| 19) Fluoranthene            | 18.981 | 202  | 54821    | 2.087 | ng/ul  | 98       |
| 20) Pyrene                  | 19.344 | 202  | 53624    | 1.904 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.116 | 228  | 36521m   | 1.342 | ng/ul  |          |
| 22) Chrysene                | 21.169 | 228  | 55489    | 1.747 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.659 | 252  | 84829m   | 4.063 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.697 | 252  | 27090m   | 1.083 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.214 | 252  | 24446m   | 1.244 | ng/ul  |          |
| 27) Indeno(1,2,3-cd)pyrene  | 25.510 | 276  | 26675    | 0.893 | ng/ul# | 93       |
| 28) Dibenzo(a,h)anthracene  | 25.503 | 278  | 6446     | 0.272 | ng/ul# | 90       |
| 29) Benzo(g,h,i)perylene    | 26.188 | 276  | 24039    | 1.013 | ng/ul  | 93       |
| -----                       |        |      |          |       |        |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033101.D  
Acq On : 30 Jul 2024 12:02  
Operator : MA/JU  
Sample : P3336-10  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F7E38

Manual IntegrationsAPPROVED

Quant Time: Jul 30 12:54:09 2024  
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