

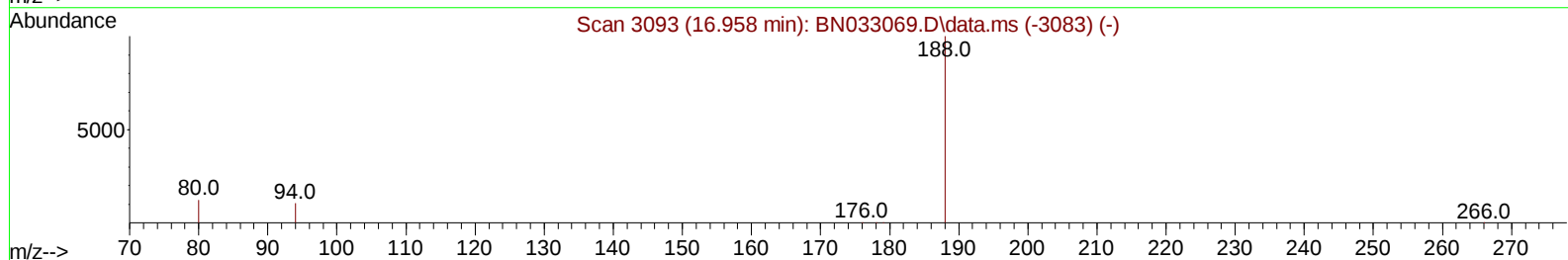
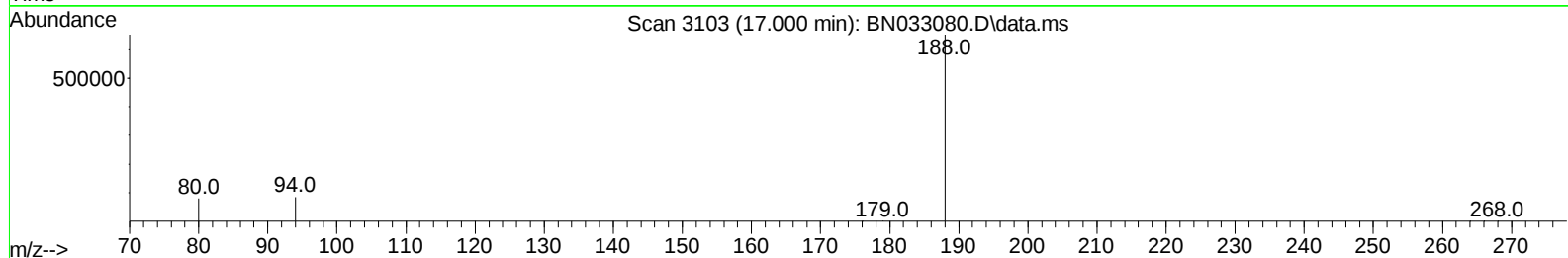
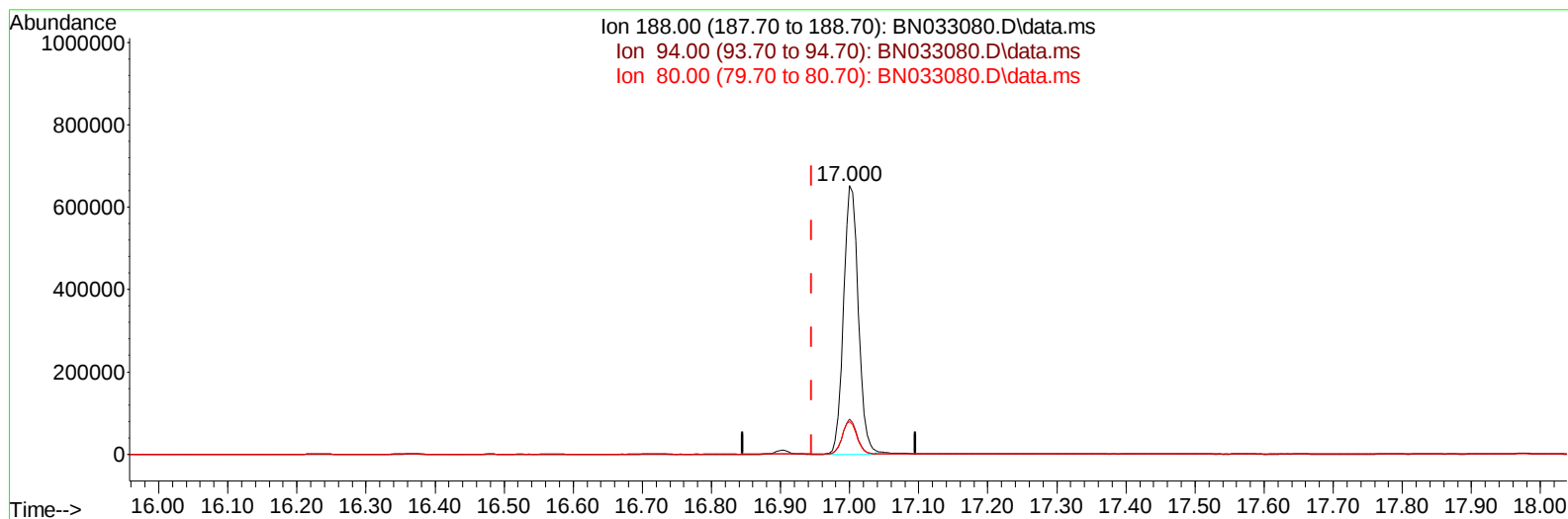
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033080.D  
Acq On : 29 Jul 2024 22:39  
Operator : MA/JU  
Sample : P3347-06  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AZ0

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:11 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 :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033080.D\data.ms

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

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

**response 967245**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 12.40  | 13.02  |
| 80.00  | 13.10  | 12.26  |
| 0.00   | 0.00   | 0.00   |

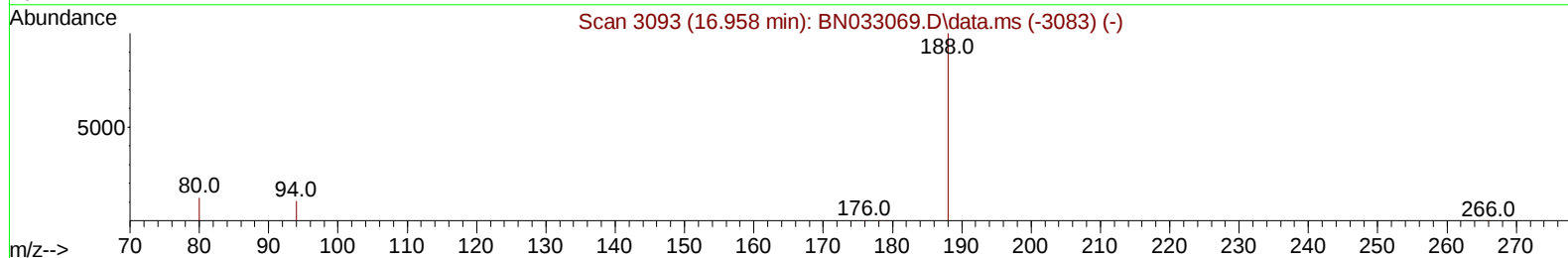
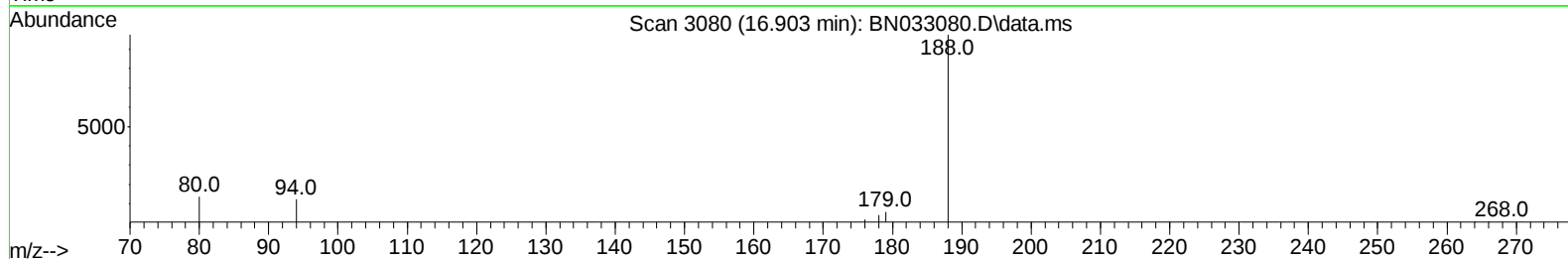
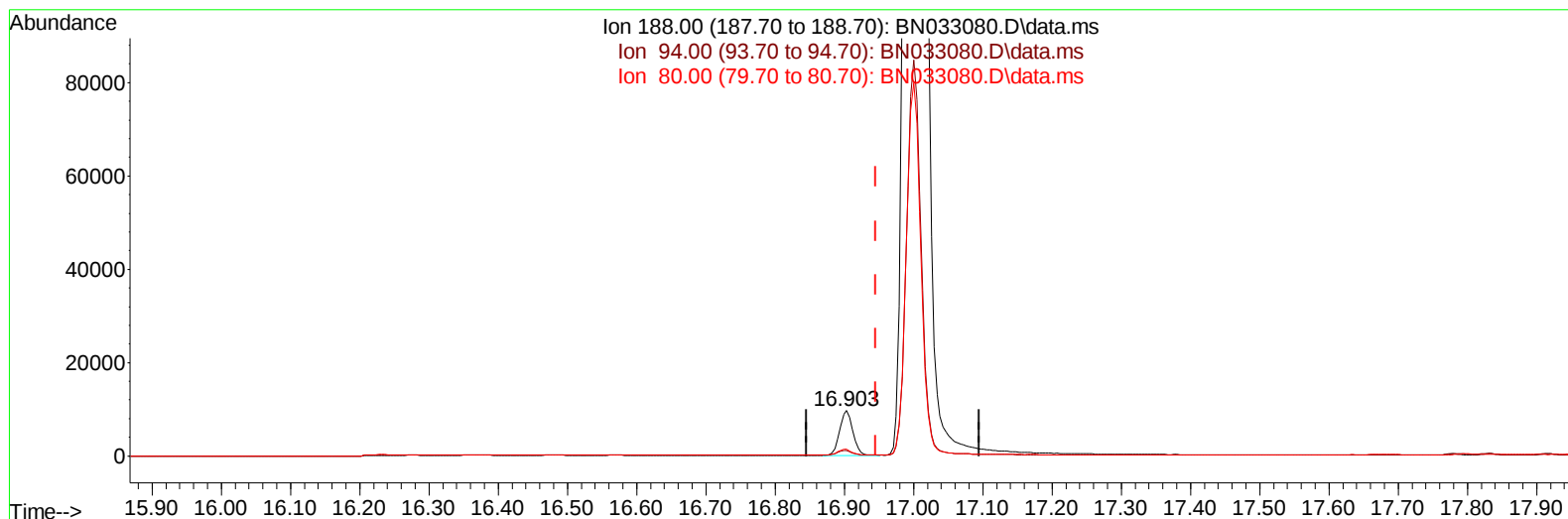
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033080.D  
Acq On : 29 Jul 2024 22:39  
Operator : MA/JU  
Sample : P3347-06  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AZ0

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:11 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 :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033080.D\data.ms

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

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

**response 12821**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 12.40  | 12.57  |
| 80.00  | 13.10  | 14.13  |
| 0.00   | 0.00   | 0.00   |

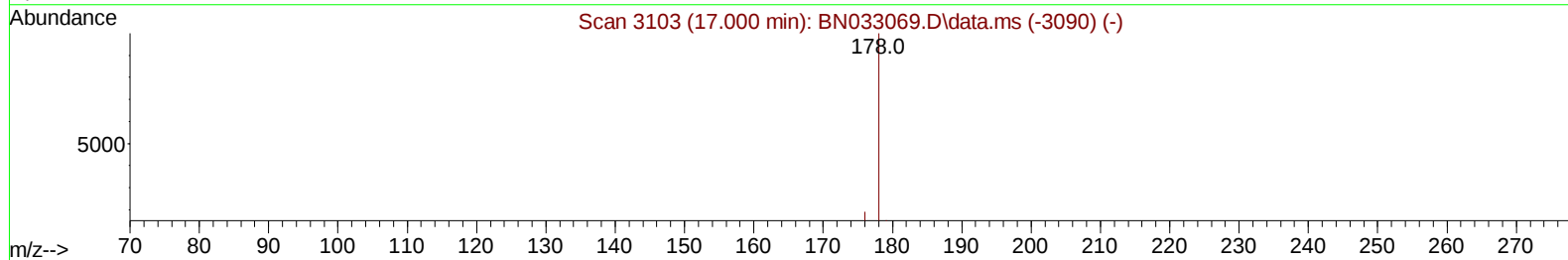
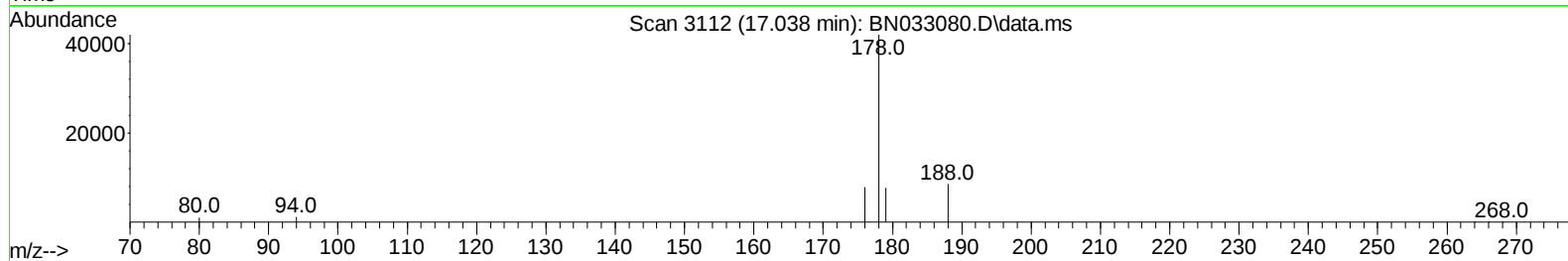
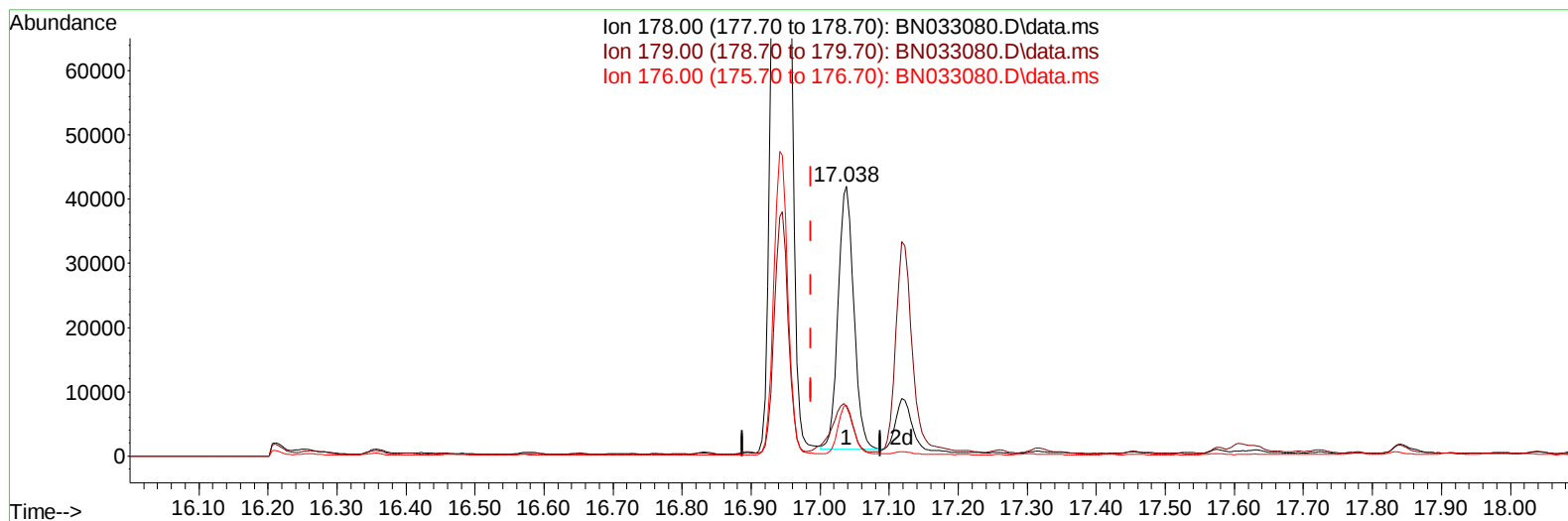
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033080.D  
Acq On : 29 Jul 2024 22:39  
Operator : MA/JU  
Sample : P3347-06  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AZ0

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:11 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 :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033080.D\data.ms

(15) Phenanthrene

17.038min (+ 0.051) 1.88 ng/u1

response 64669

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 179.00 | 17.10  | 18.30  |
| 176.00 | 19.90  | 18.80  |
| 0.00   | 0.00   | 0.00   |

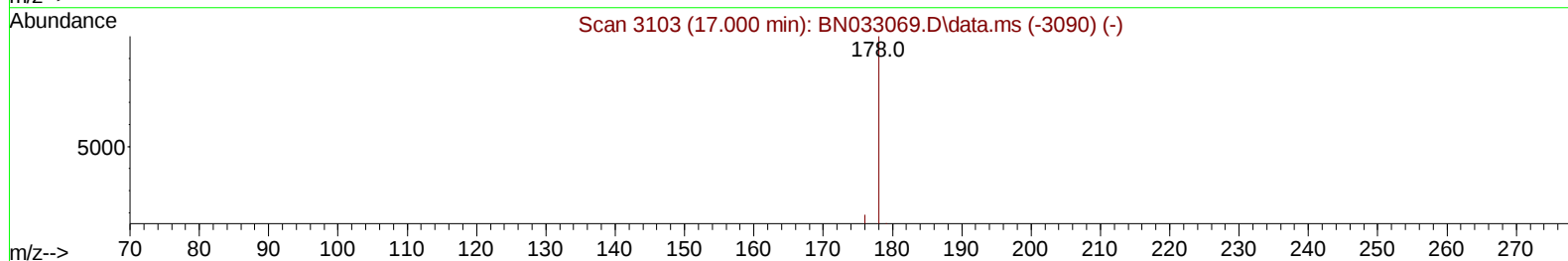
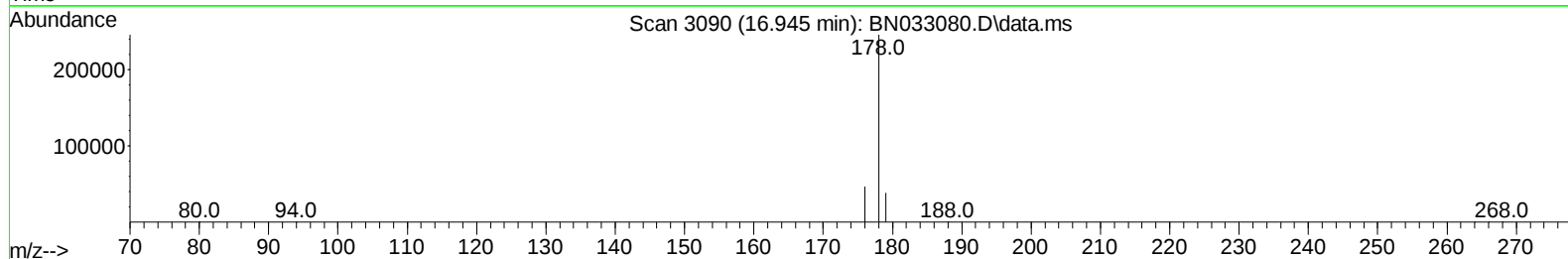
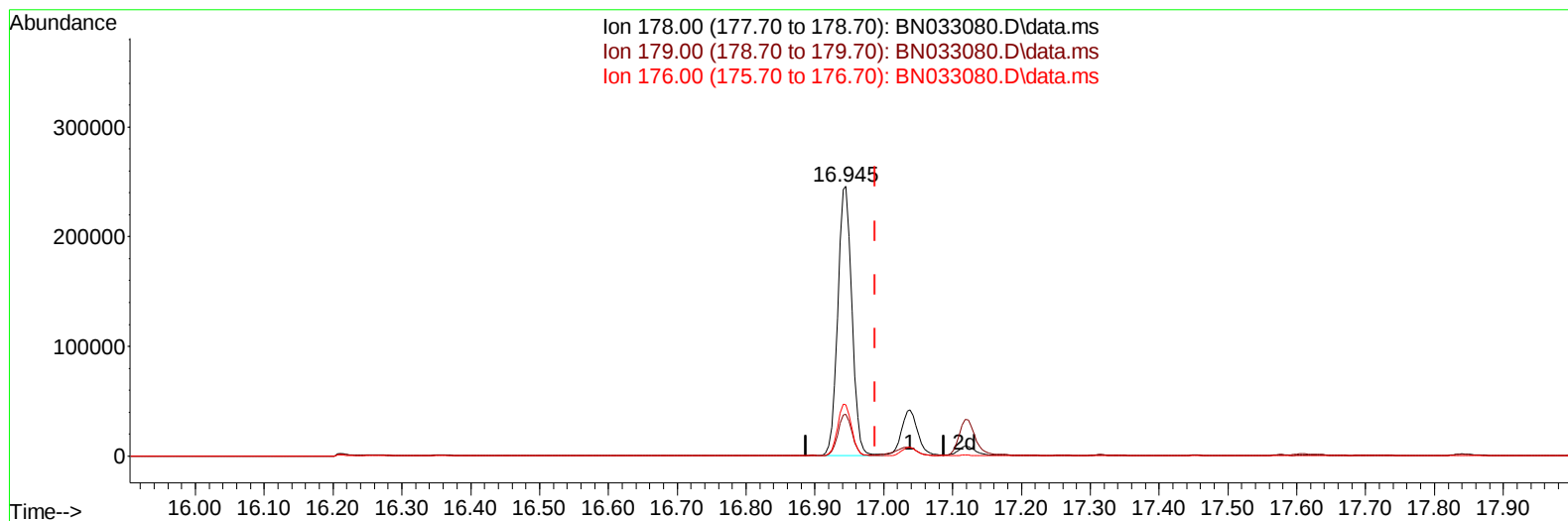
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
 Data File : BN033080.D  
 Acq On : 29 Jul 2024 22:39  
 Operator : MA/JU  
 Sample : P3347-06  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AZ0

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:11 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 :Yogesh Patel 07/30/2024  
 Supervised By :mohammad ahmed 07/31/2024



TIC: BN033080.D\data.ms

**(15) Phenanthrene**

**16.945min (-0.042) 10.16 ng/ul m**

**response 349439**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 179.00 | 17.10  | 15.49  |
| 176.00 | 19.90  | 19.07  |
| 0.00   | 0.00   | 0.00   |

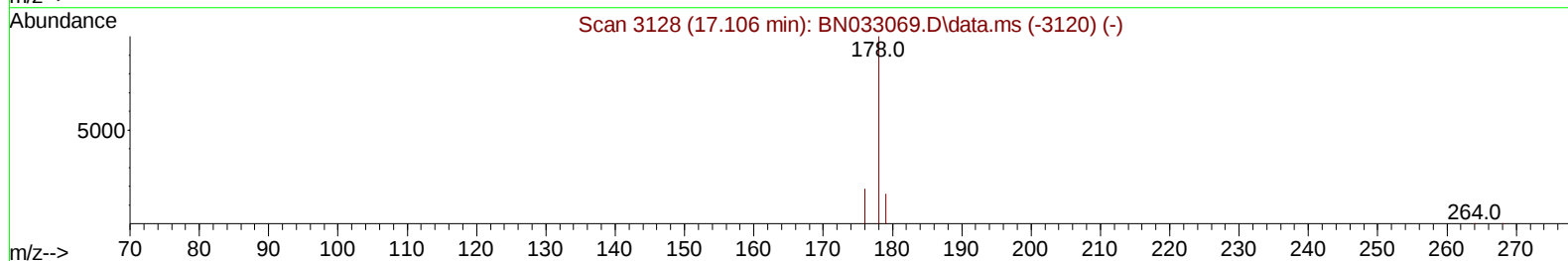
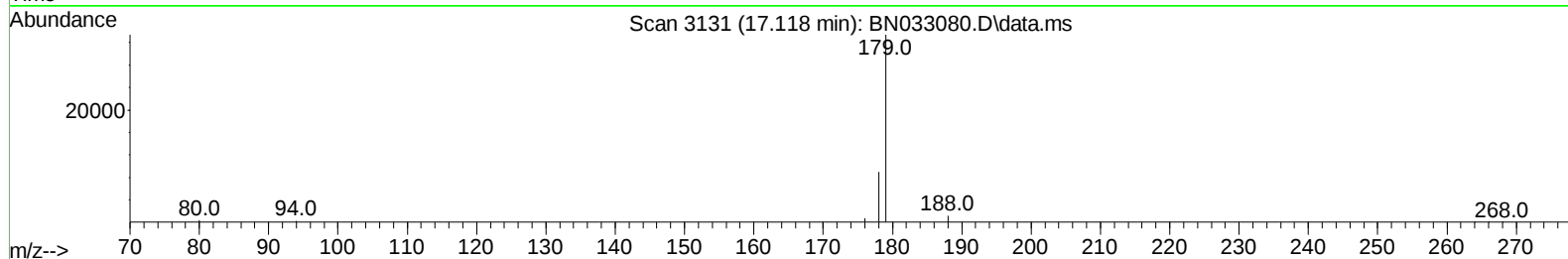
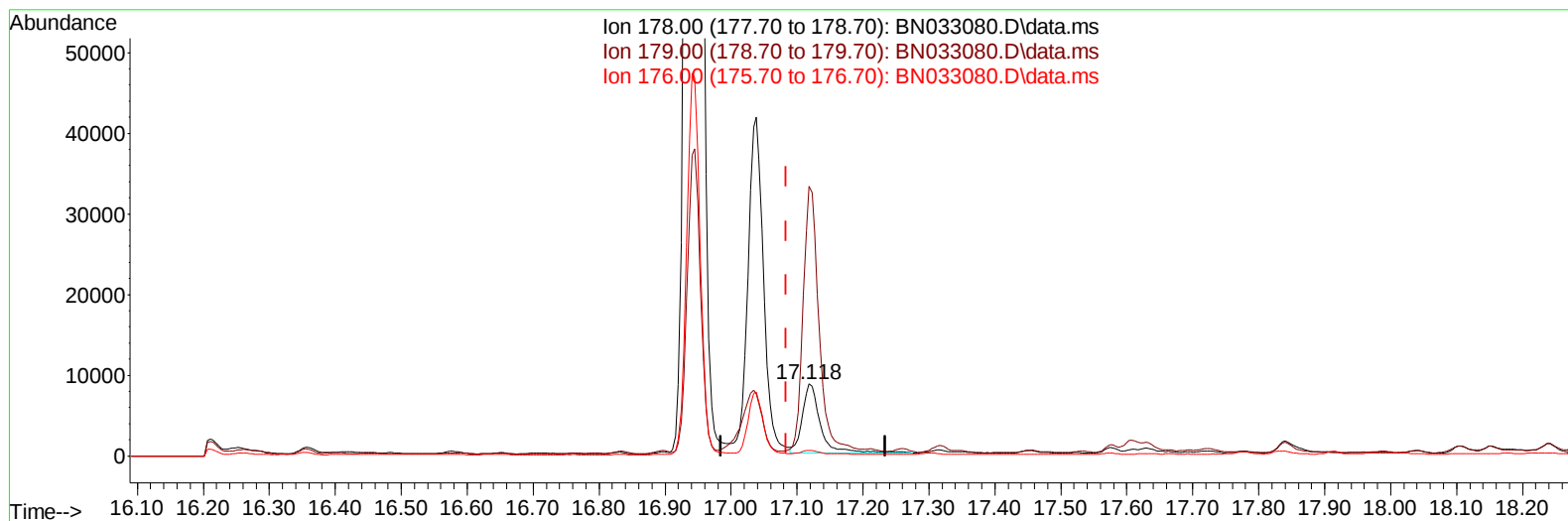
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033080.D  
Acq On : 29 Jul 2024 22:39  
Operator : MA/JU  
Sample : P3347-06  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AZ0

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:11 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 :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033080.D\data.ms

(16) Anthracene

17.118min (+ 0.034) 0.52 ng/u1

response 16162

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 178.00 | 100.00 | 100.00  |
| 179.00 | 17.90  | 372.40# |
| 176.00 | 19.80  | 7.86#   |
| 0.00   | 0.00   | 0.00    |

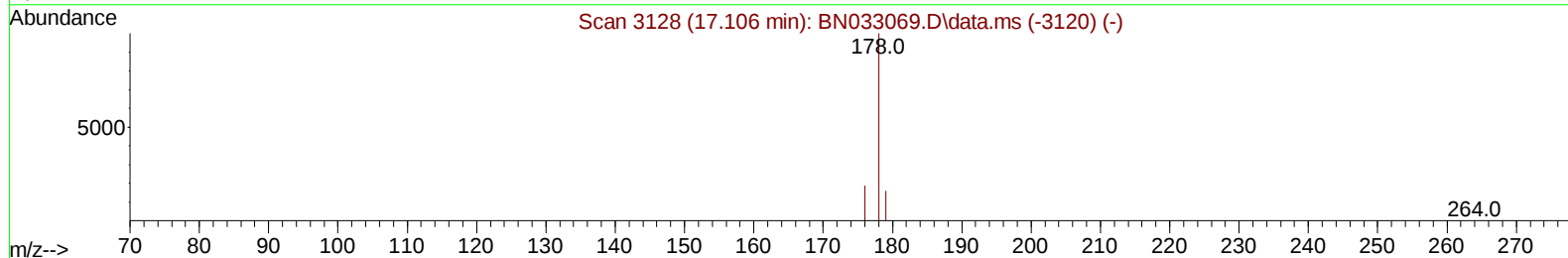
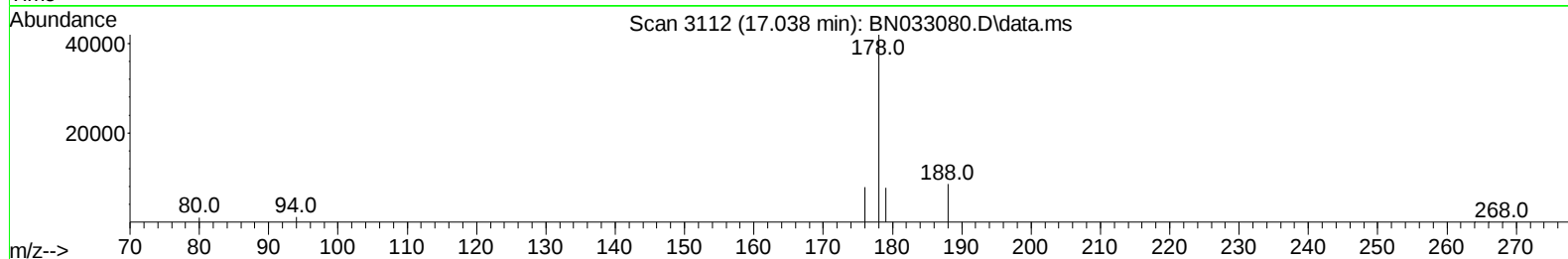
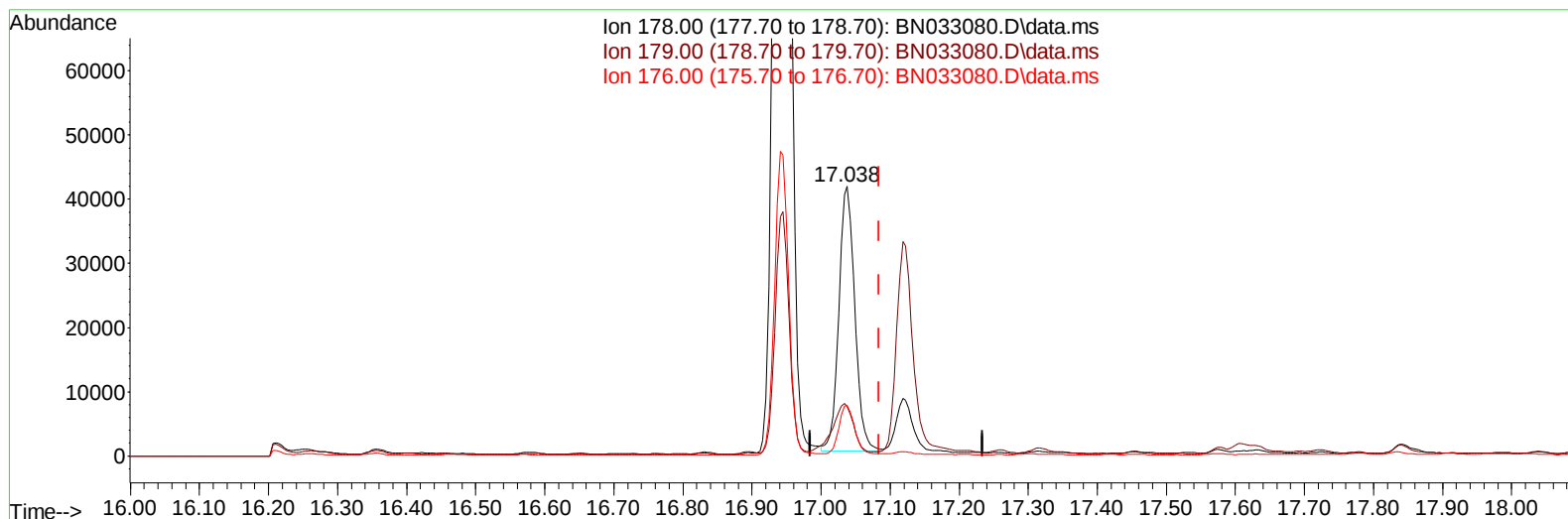
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033080.D  
Acq On : 29 Jul 2024 22:39  
Operator : MA/JU  
Sample : P3347-06  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AZ0

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:11 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 :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033080.D\data.ms

(16) Anthracene

17.038min (-0.046) 2.14 ng/ul m

response 66137

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 179.00 | 17.90  | 18.30  |
| 176.00 | 19.80  | 18.80  |
| 0.00   | 0.00   | 0.00   |

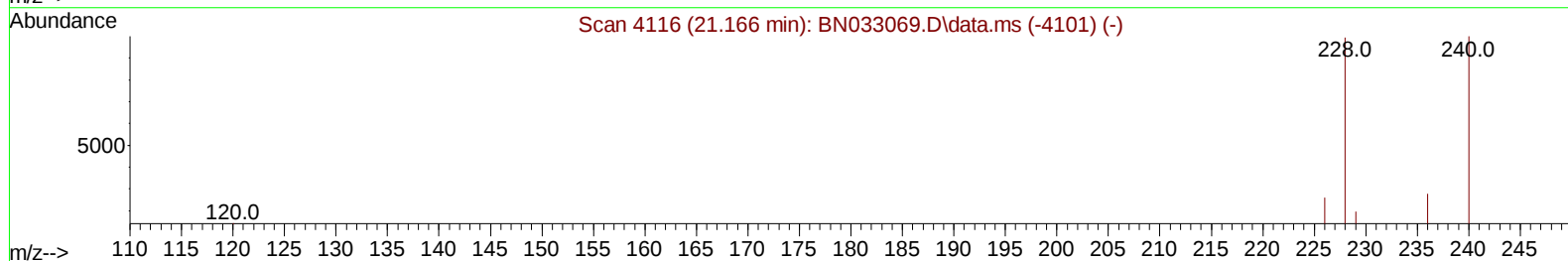
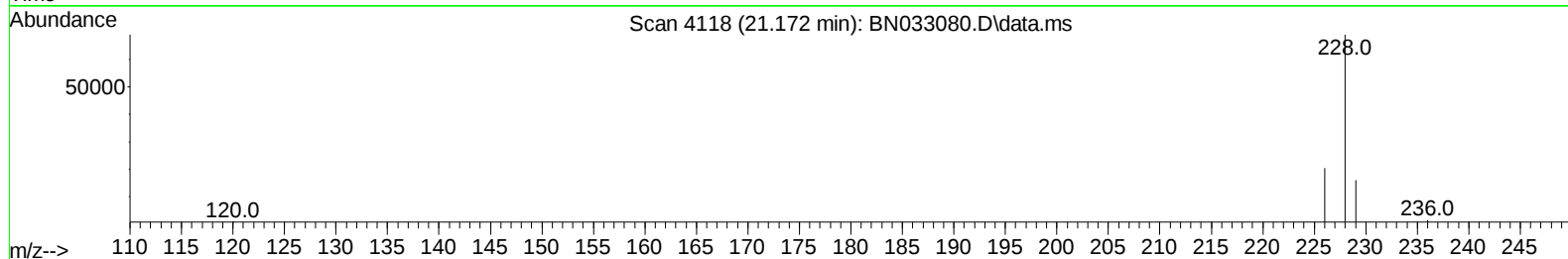
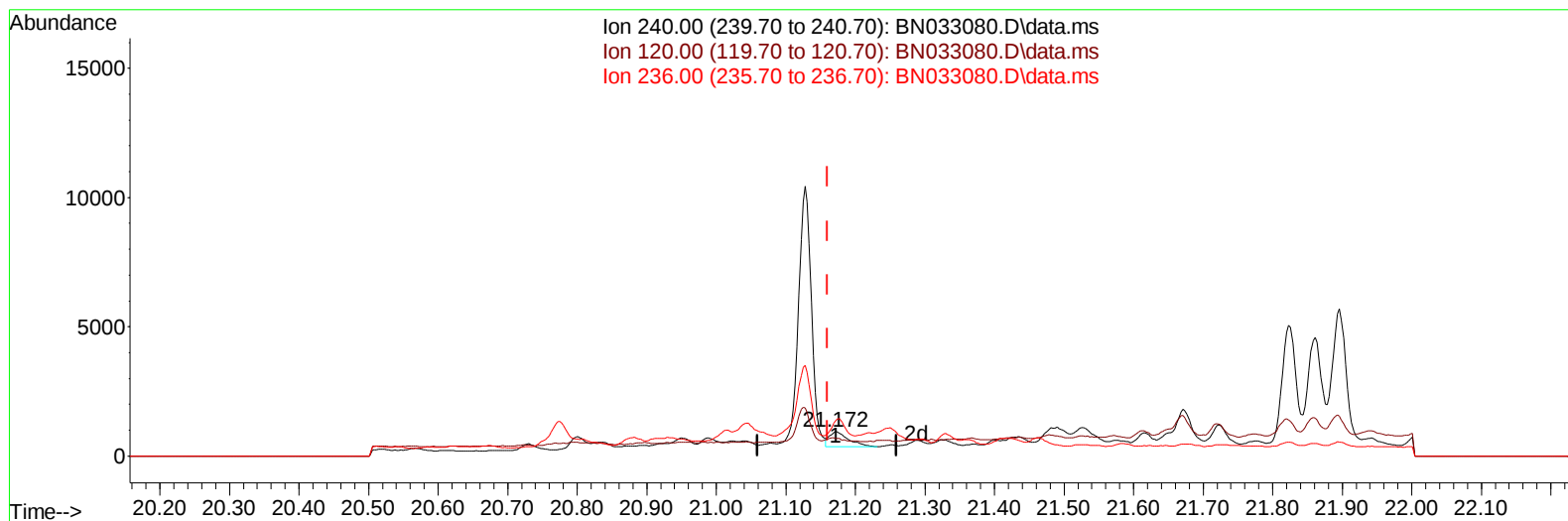
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033080.D  
Acq On : 29 Jul 2024 22:39  
Operator : MA/JU  
Sample : P3347-06  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AZ0

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:11 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 :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033080.D\data.ms

(17) Chrysene-d12

21.172min (+ 0.012) 0.40 ng/u1

response 1144

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 240.00 | 100.00 | 100.00  |
| 120.00 | 21.40  | 73.19#  |
| 236.00 | 29.50  | 145.85# |
| 0.00   | 0.00   | 0.00    |

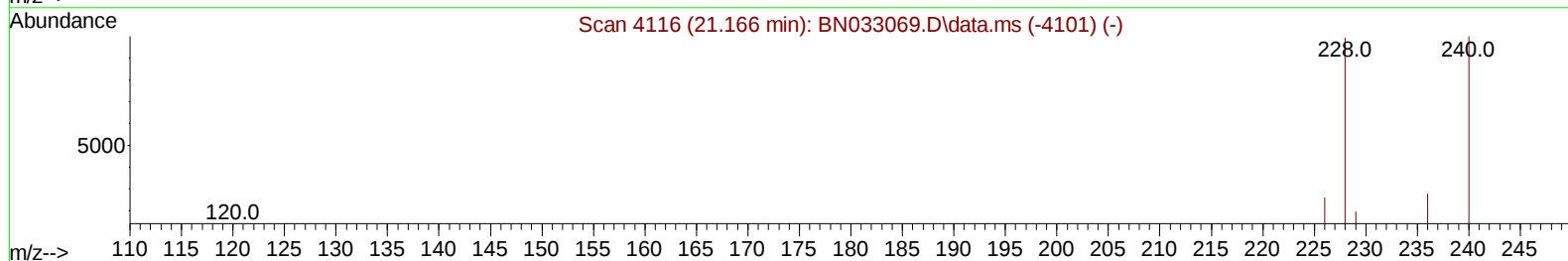
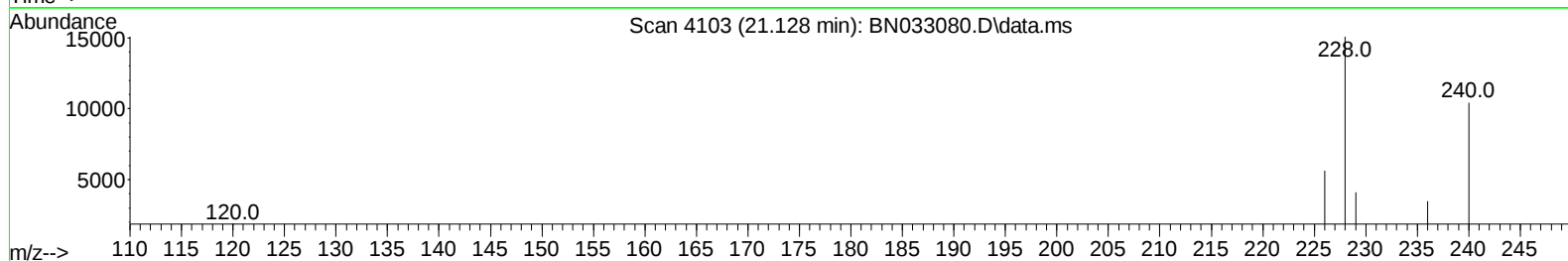
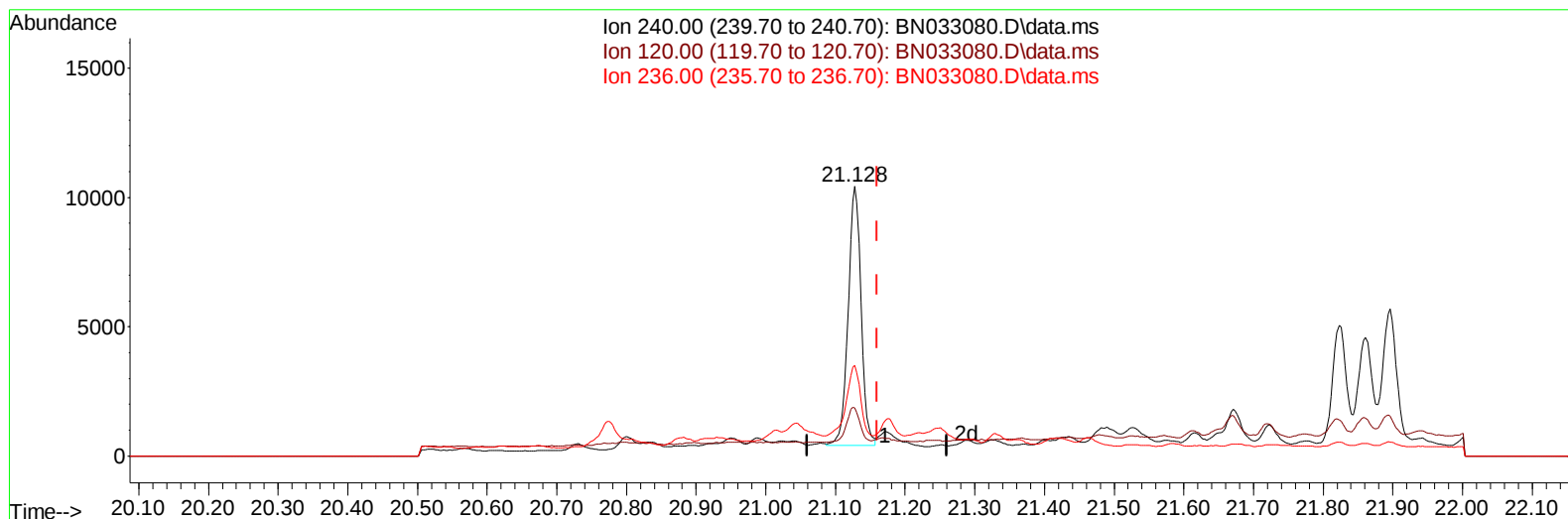
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033080.D  
Acq On : 29 Jul 2024 22:39  
Operator : MA/JU  
Sample : P3347-06  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AZ0

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:11 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 :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033080.D\data.ms

(17) Chrysene-d12

21.128min (-0.032) 0.40 ng/u1 m

response 12921

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 240.00 | 100.00 | 100.00 |
| 120.00 | 21.40  | 17.93  |
| 236.00 | 29.50  | 33.58  |
| 0.00   | 0.00   | 0.00   |

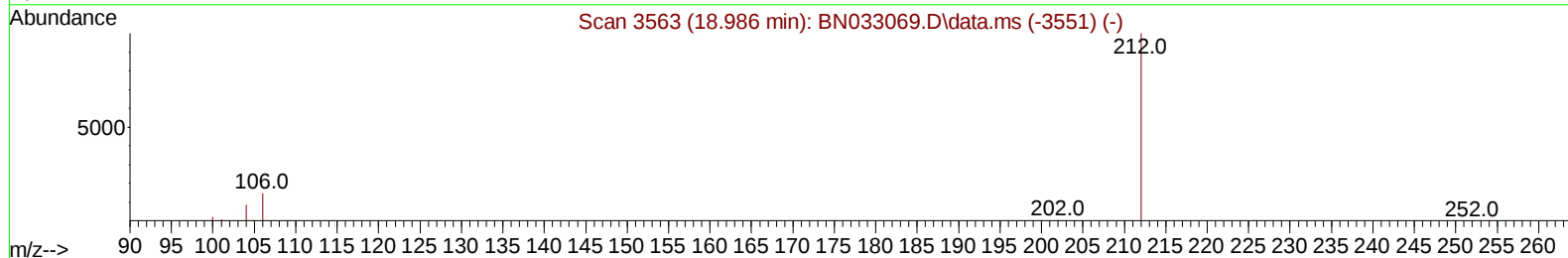
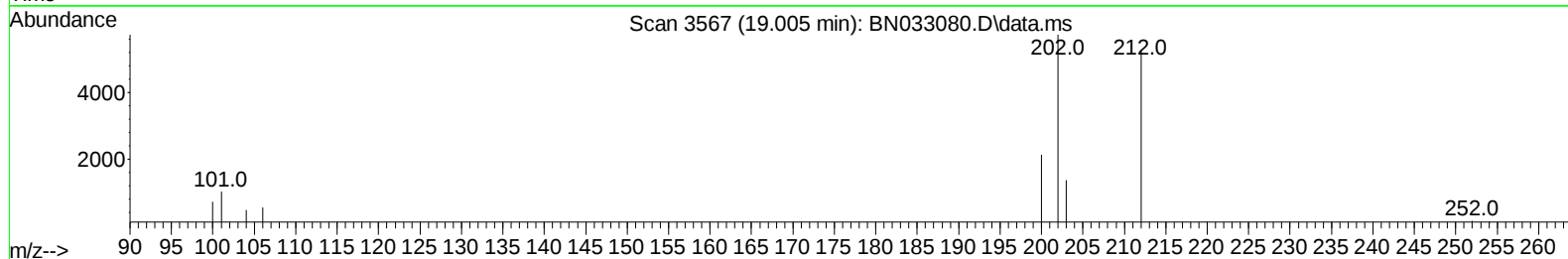
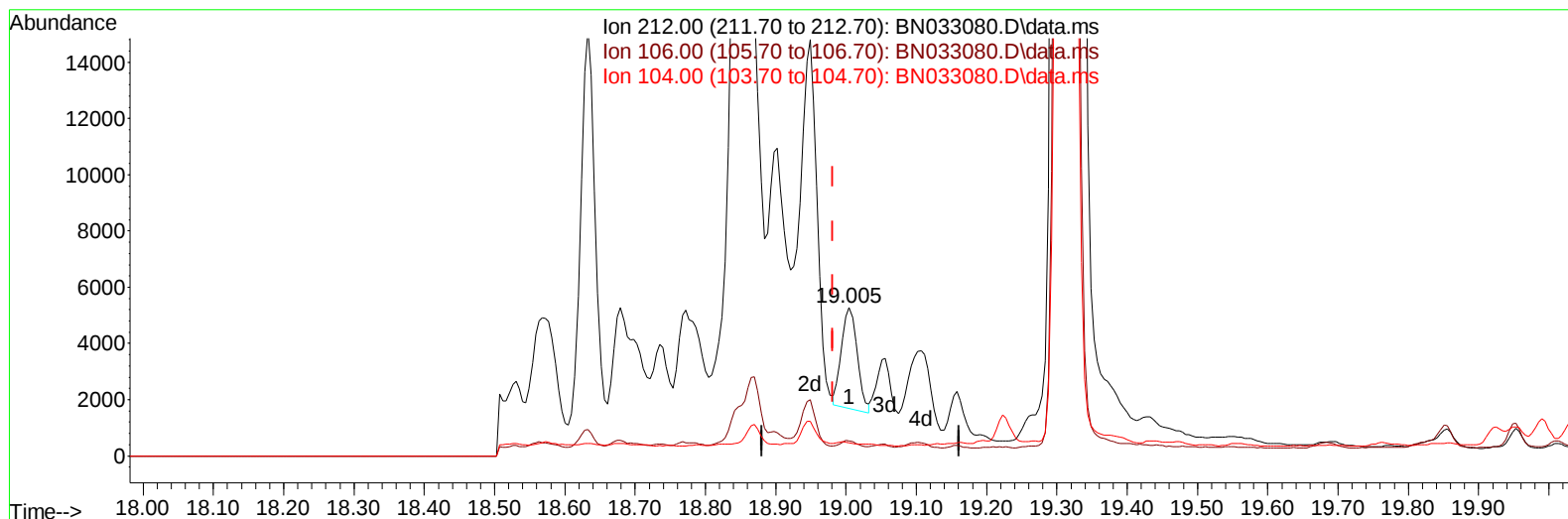
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033080.D  
Acq On : 29 Jul 2024 22:39  
Operator : MA/JU  
Sample : P3347-06  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AZ0

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:11 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  
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Reviewed By :Yogesh Patel 07/30/2024  
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TIC: BN033080.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.005min (+ 0.023) 0.15 ng/u1

response 5561

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 212.00 | 100.00 | 100.00 |
| 106.00 | 15.00  | 5.83#  |
| 104.00 | 9.00   | 6.96#  |
| 0.00   | 0.00   | 0.00   |

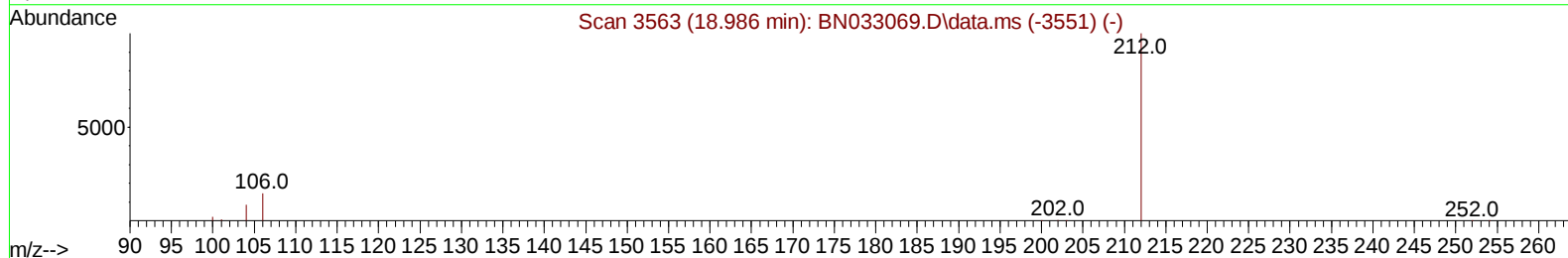
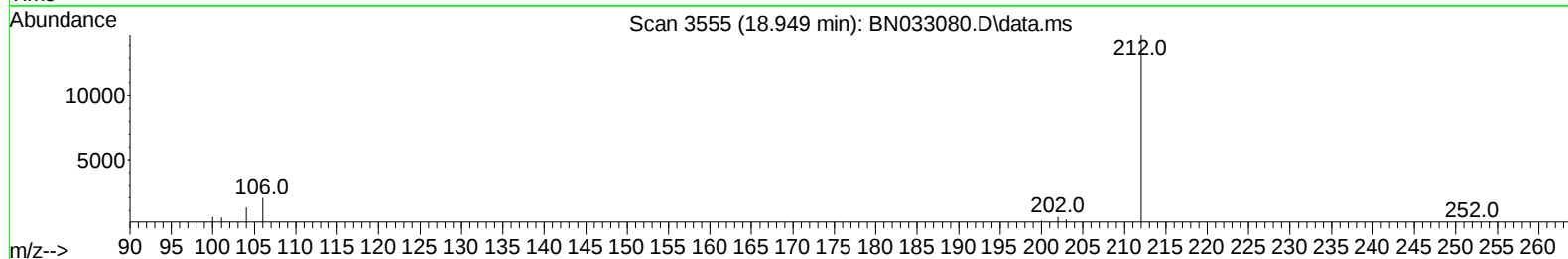
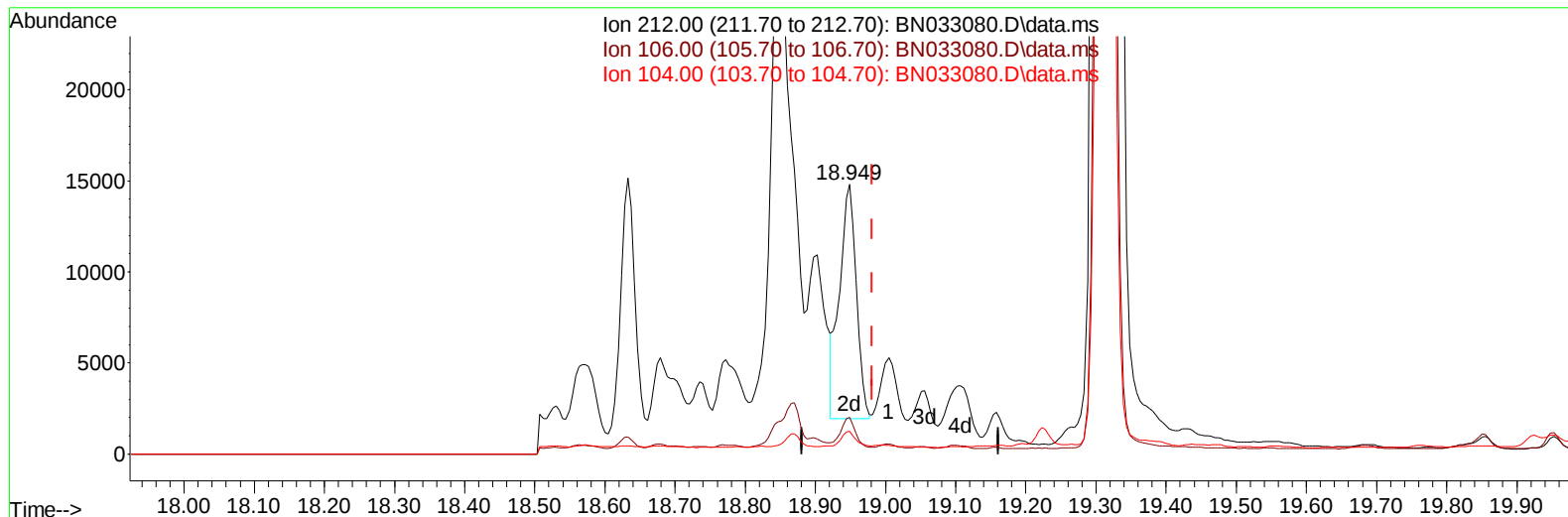
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033080.D  
Acq On : 29 Jul 2024 22:39  
Operator : MA/JU  
Sample : P3347-06  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AZ0

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:11 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 :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033080.D\data.ms

(18) Fluoranthene-d10 (SURR)

18.949min (-0.032) 0.59 ng/u1 m

response 21634

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 212.00 | 100.00 | 100.00 |
| 106.00 | 15.00  | 1.50#  |
| 104.00 | 9.00   | 1.79#  |
| 0.00   | 0.00   | 0.00   |

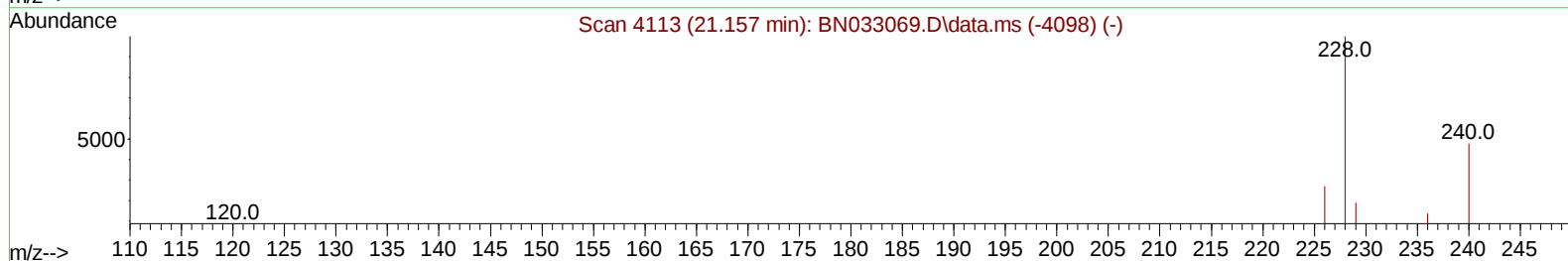
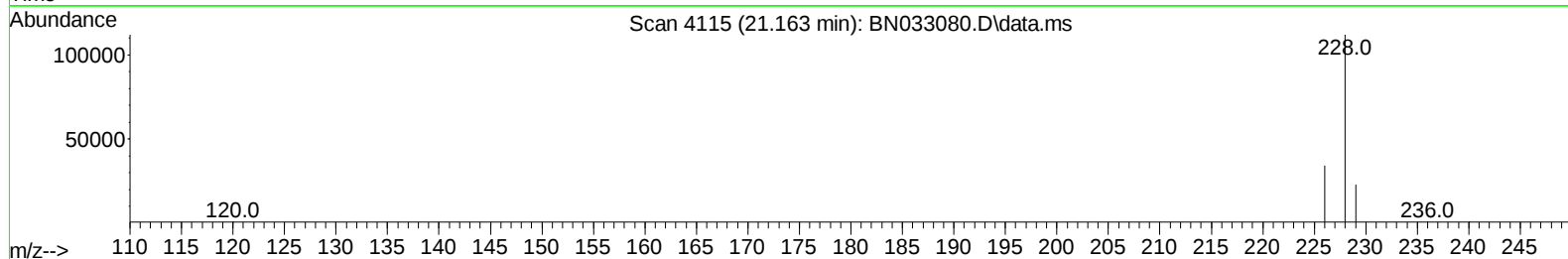
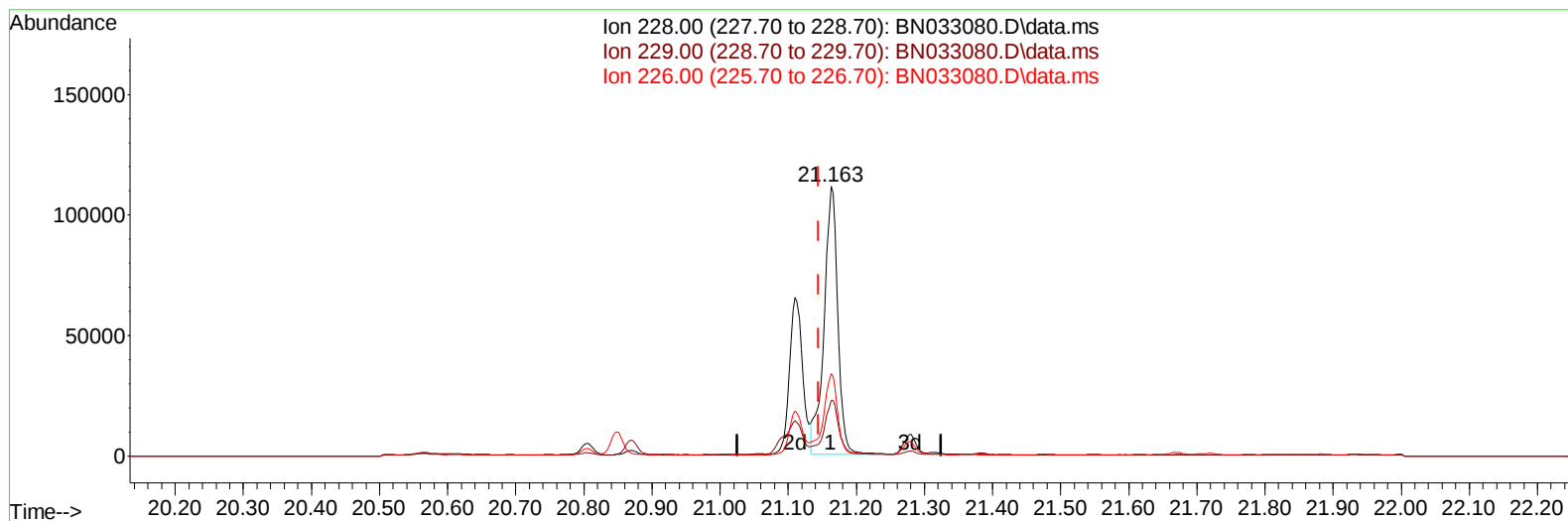
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033080.D  
Acq On : 29 Jul 2024 22:39  
Operator : MA/JU  
Sample : P3347-06  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AZ0

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:11 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 :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033080.D\data.ms

(21) Benzo(a)anthracene

21.163min (+ 0.018) 3.52 ng/u1

response 155031

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 21.40  | 20.62  |
| 226.00 | 28.00  | 30.61  |
| 0.00   | 0.00   | 0.00   |

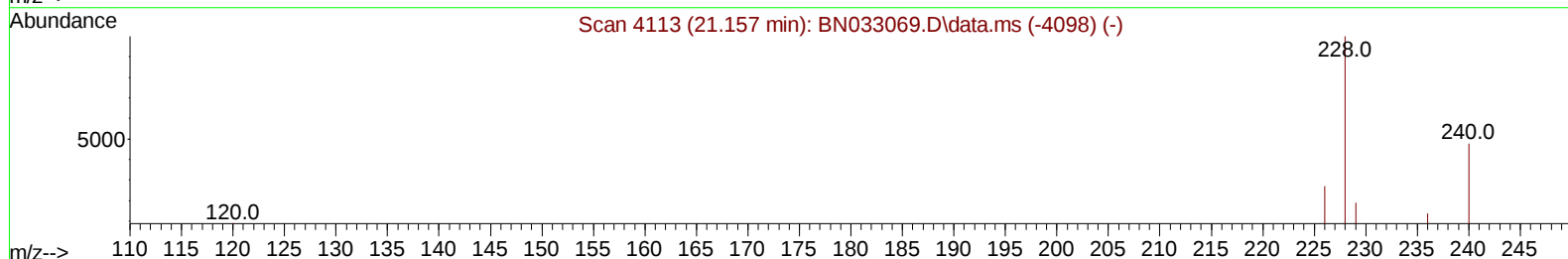
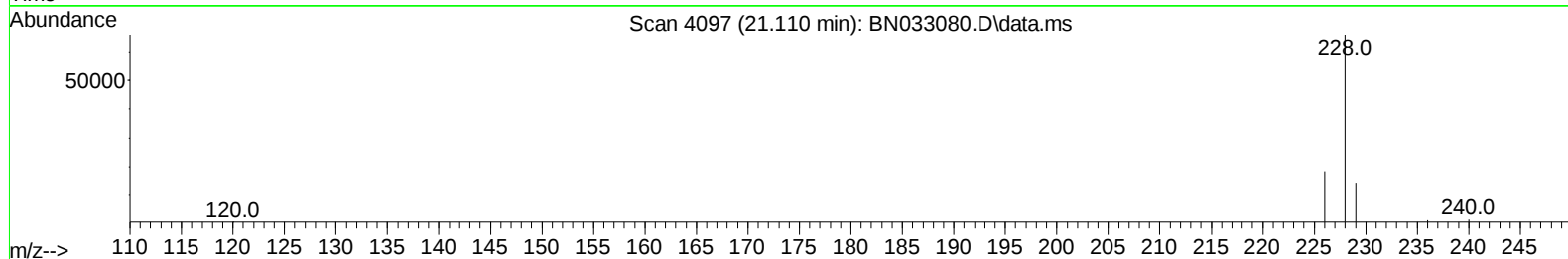
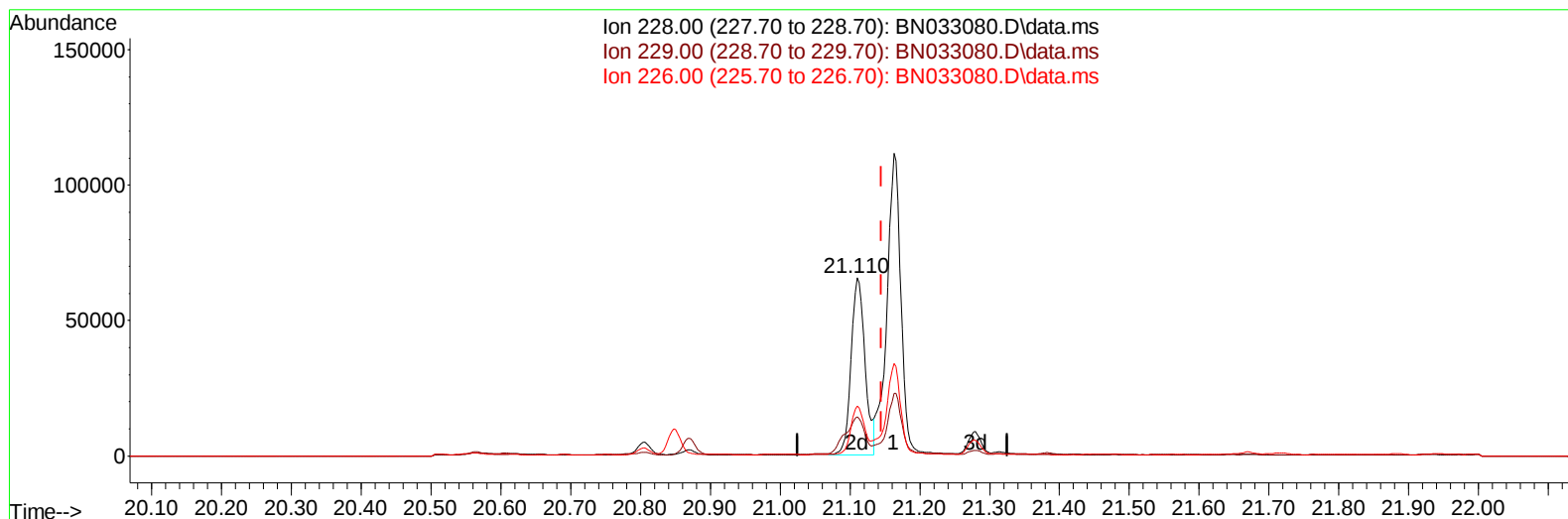
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033080.D  
Acq On : 29 Jul 2024 22:39  
Operator : MA/JU  
Sample : P3347-06  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AZ0

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:11 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 :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033080.D\data.ms

(21) Benzo(a)anthracene

21.110min (-0.035) 2.04 ng/u1 m

response 89897

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 21.40  | 22.12  |
| 226.00 | 28.00  | 28.12  |
| 0.00   | 0.00   | 0.00   |

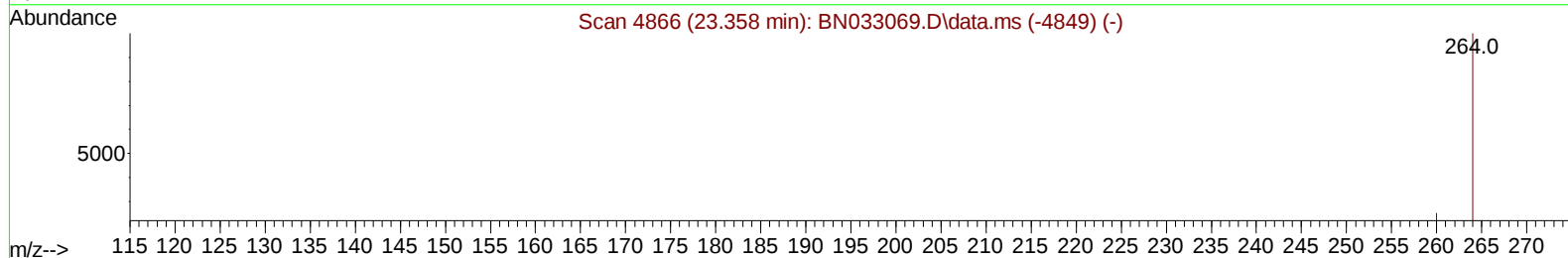
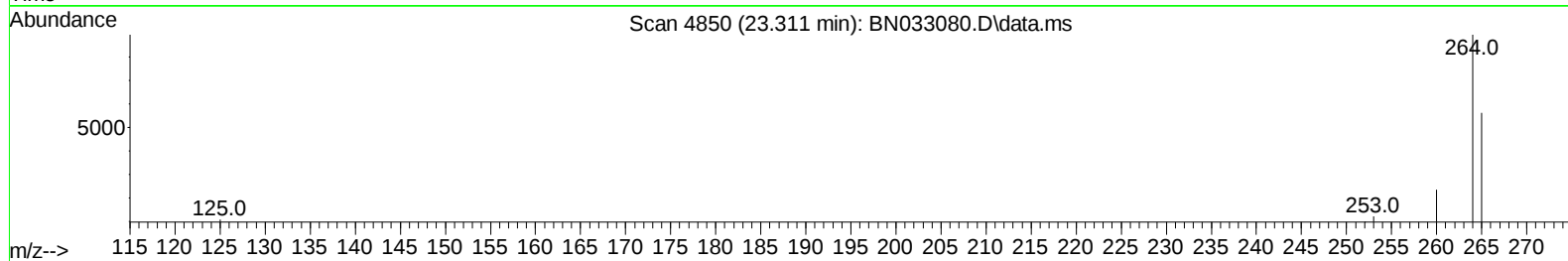
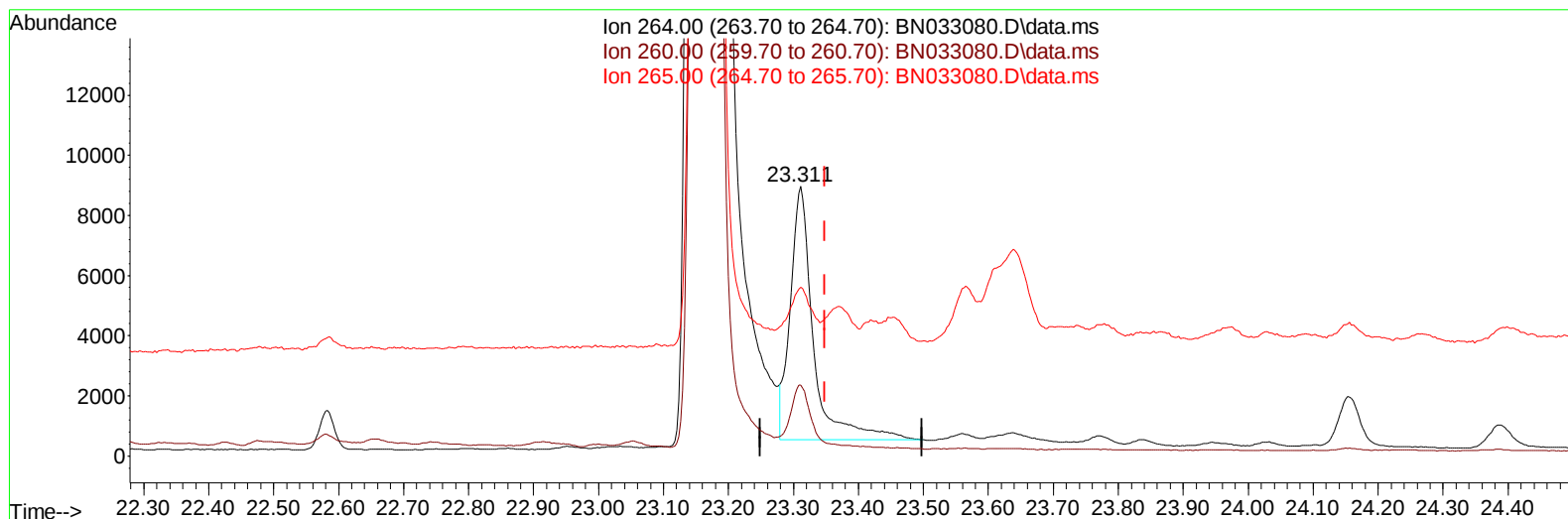
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033080.D  
Acq On : 29 Jul 2024 22:39  
Operator : MA/JU  
Sample : P3347-06  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AZ0

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:11 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 :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033080.D\data.ms

(23) Perylene-d12 (I)

23.311min (-0.038) 0.40 ng/u1

response 20889

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 26.50  | 26.29  |
| 265.00 | 80.60  | 62.73# |
| 0.00   | 0.00   | 0.00   |

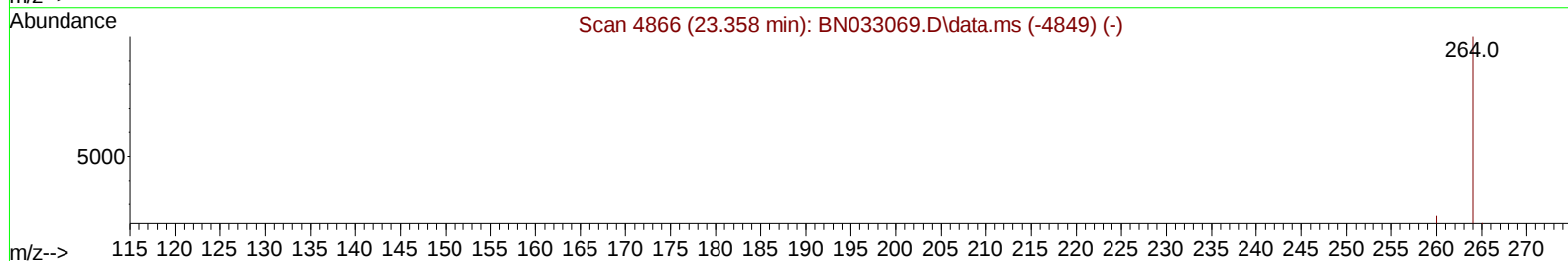
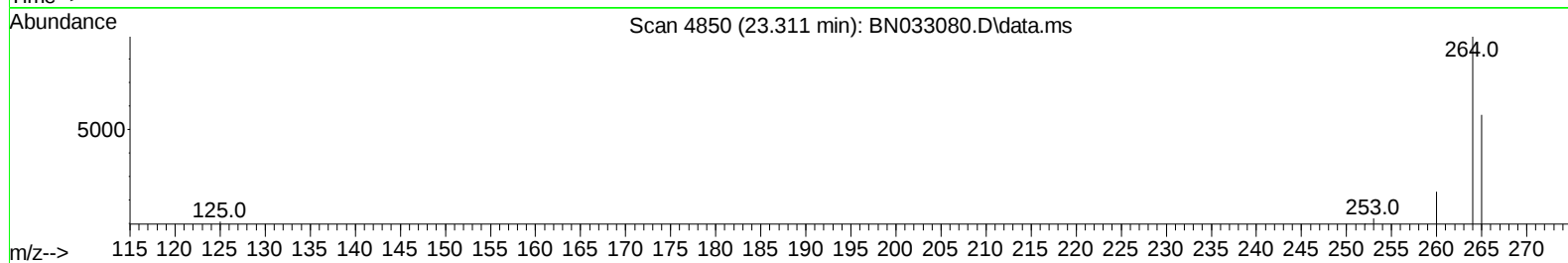
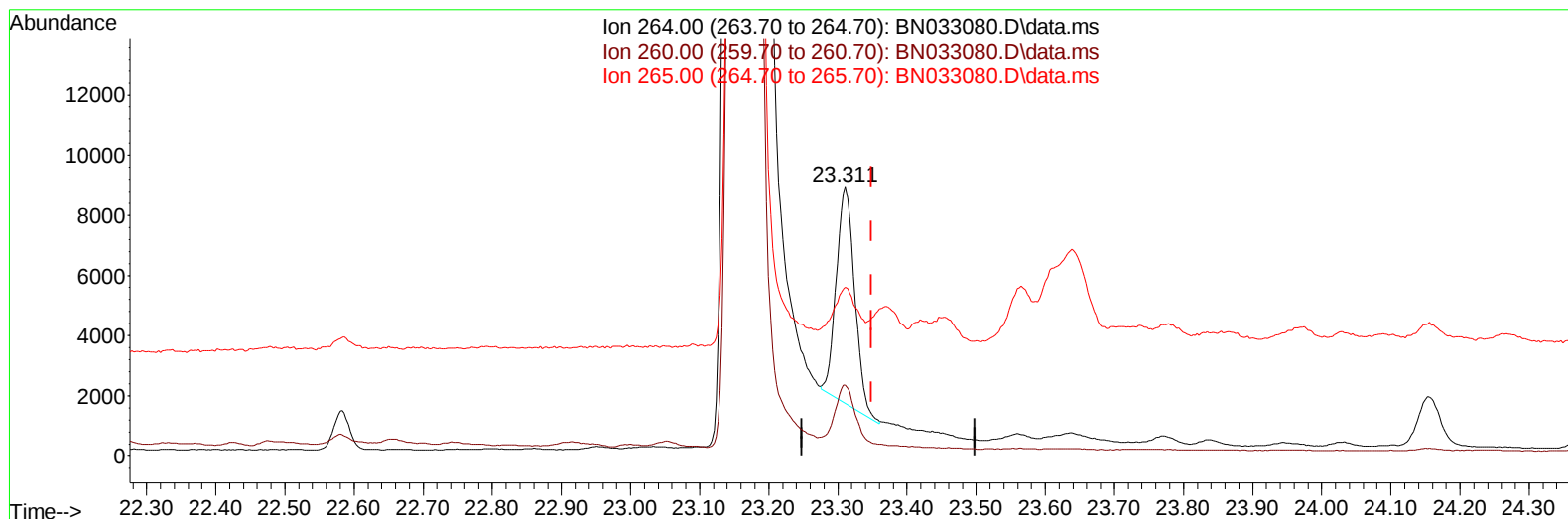
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033080.D  
Acq On : 29 Jul 2024 22:39  
Operator : MA/JU  
Sample : P3347-06  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AZ0

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:11 2024  
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Reviewed By :Yogesh Patel 07/30/2024  
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TIC: BN033080.D\data.ms

(23) Perylene-d12 (I)

23.311min (-0.038) 0.40 ng/ul m

response 13115

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 26.50  | 26.29  |
| 265.00 | 80.60  | 62.73# |
| 0.00   | 0.00   | 0.00   |

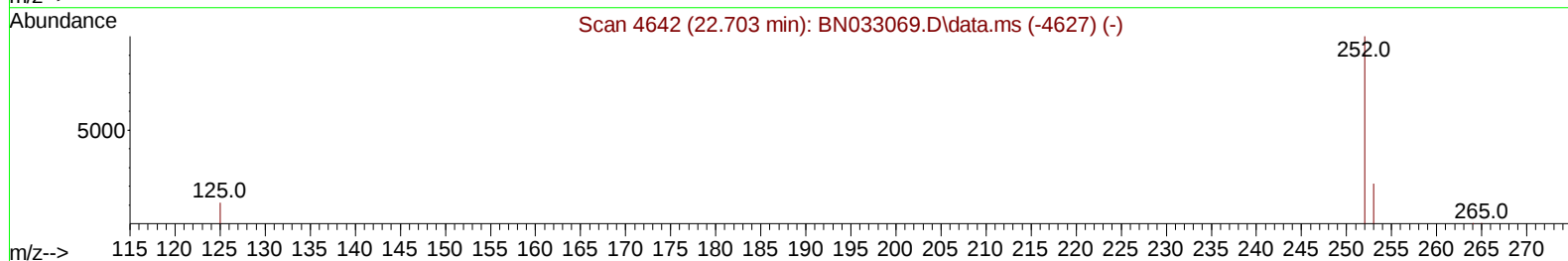
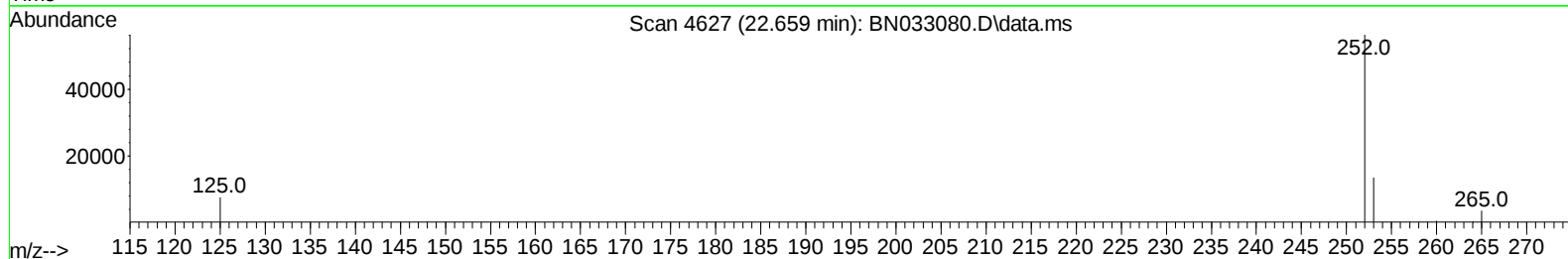
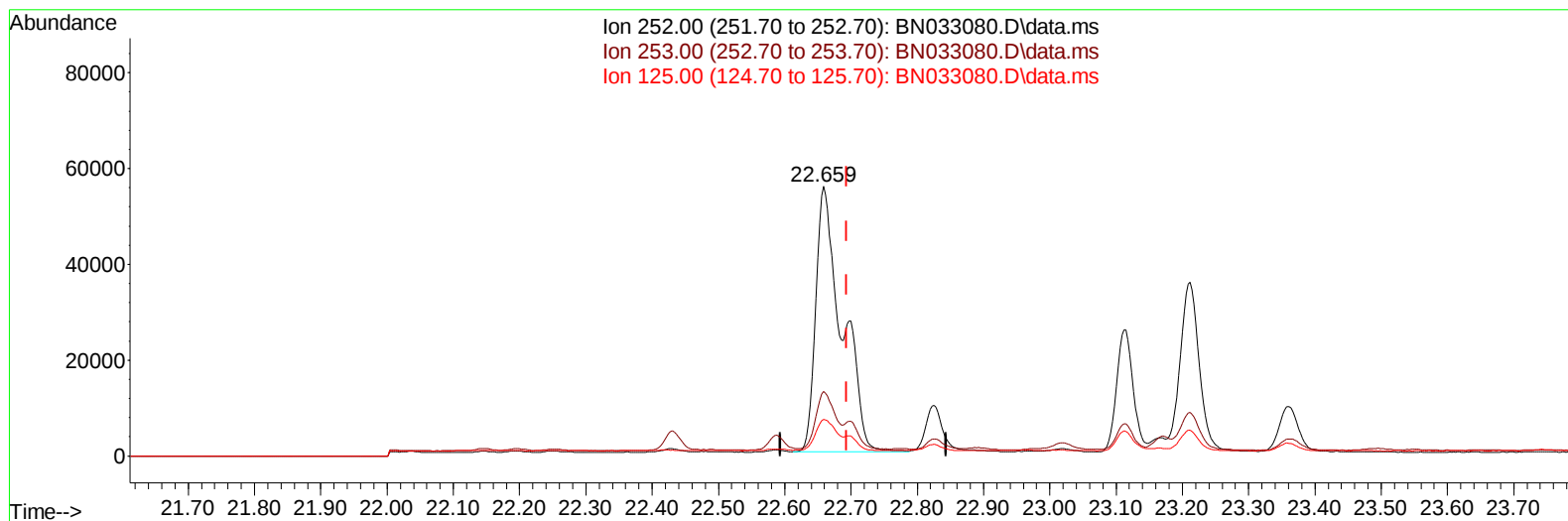
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033080.D  
Acq On : 29 Jul 2024 22:39  
Operator : MA/JU  
Sample : P3347-06  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AZ0

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:11 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
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QLast Update : Mon Jul 29 23:04:40 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033080.D\data.ms

(24) Benzo(b)fluoranthene

22.659min (-0.035) 3.95 ng/u1

response 151502

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 30.30  | 23.98  |
| 125.00 | 25.50  | 13.62  |
| 0.00   | 0.00   | 0.00   |

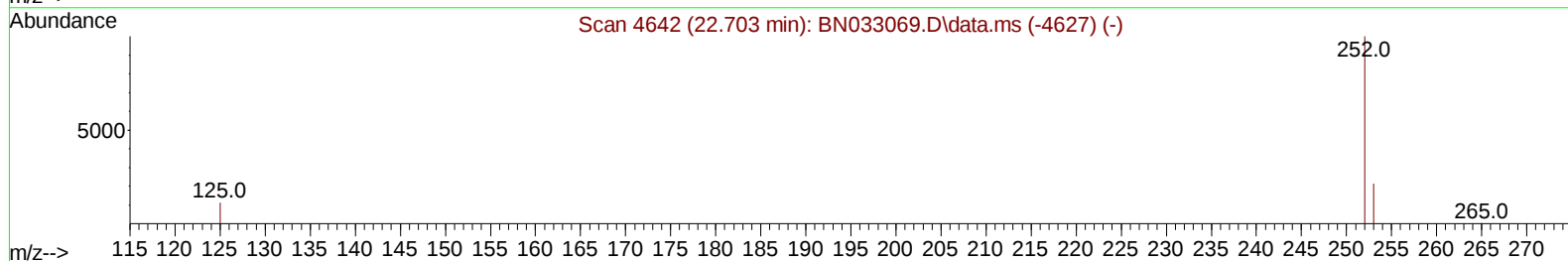
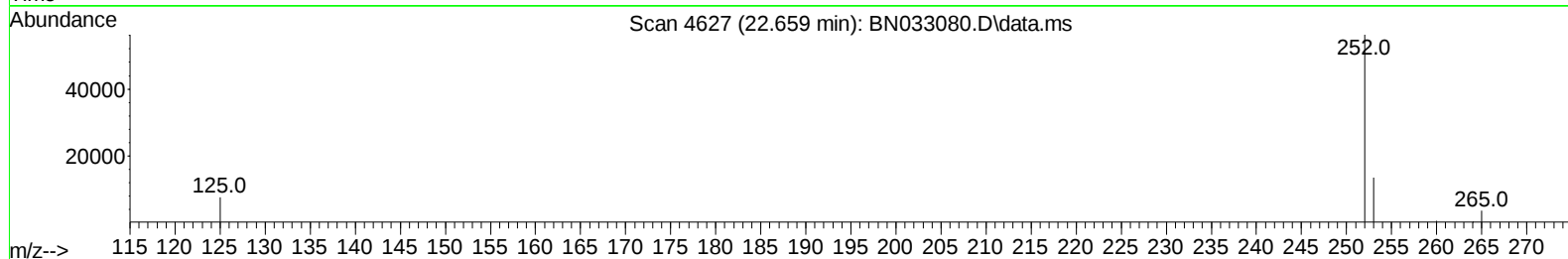
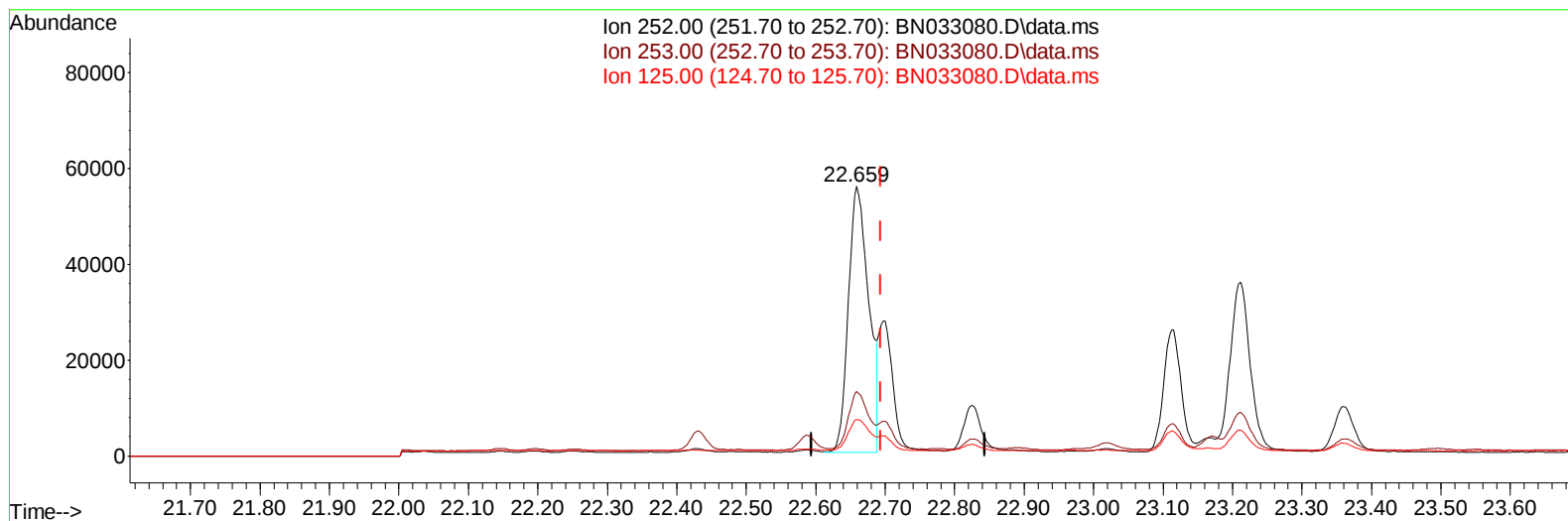
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033080.D  
Acq On : 29 Jul 2024 22:39  
Operator : MA/JU  
Sample : P3347-06  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AZ0

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:11 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 :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033080.D\data.ms

(24) Benzo(b)fluoranthene

22.659min (-0.035) 2.96 ng/u1 m

response 113582

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 30.30  | 23.98  |
| 125.00 | 25.50  | 13.62  |
| 0.00   | 0.00   | 0.00   |

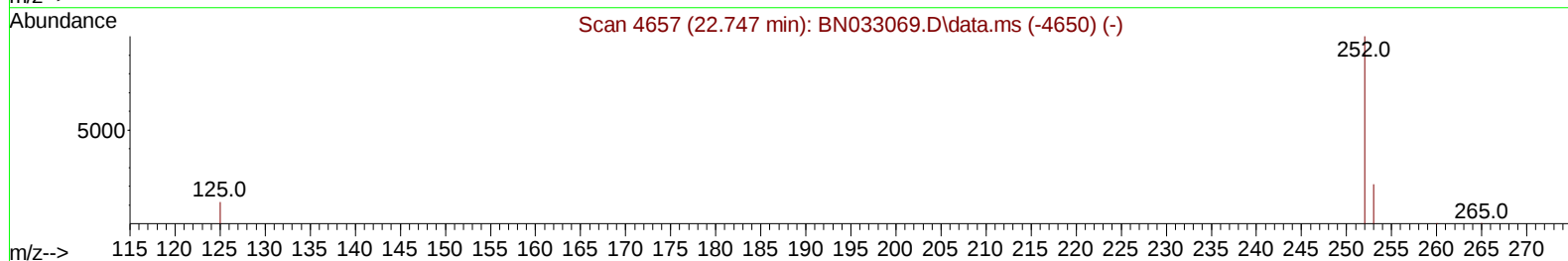
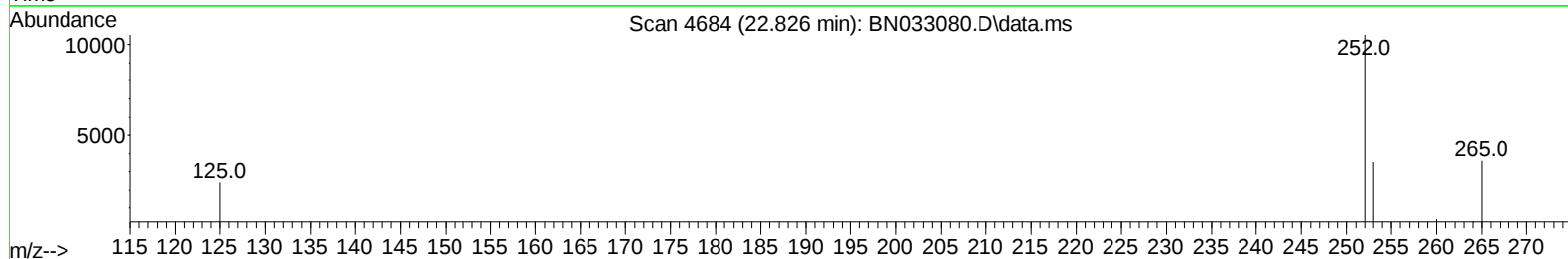
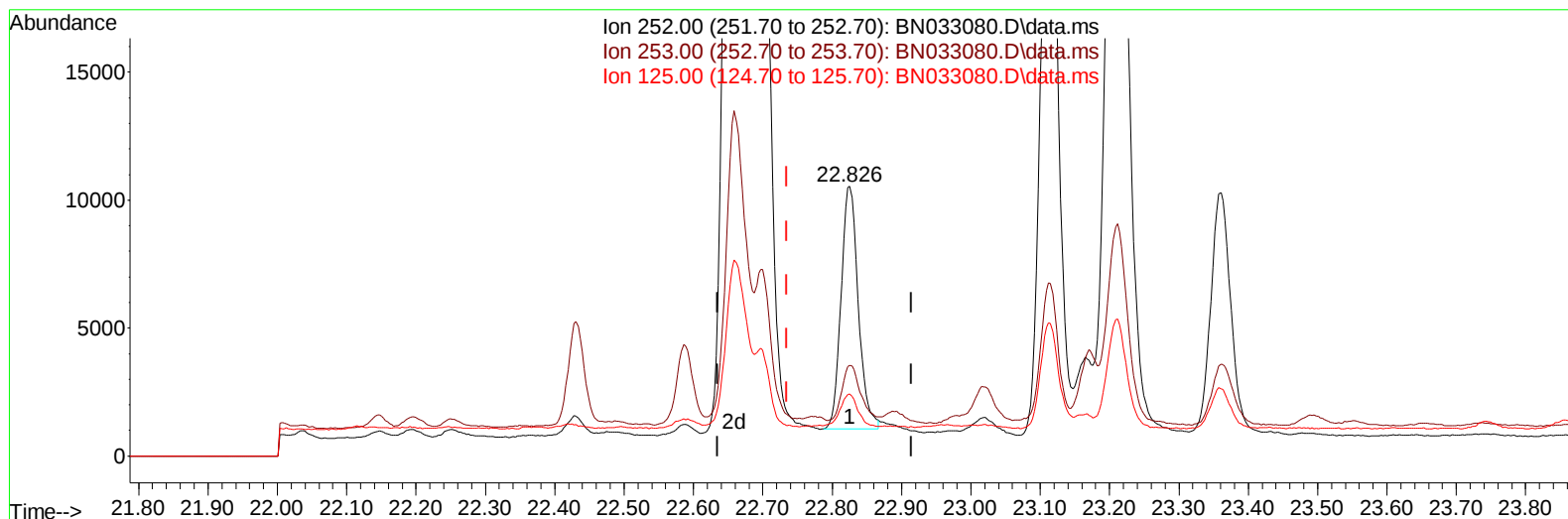
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033080.D  
Acq On : 29 Jul 2024 22:39  
Operator : MA/JU  
Sample : P3347-06  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AZ0

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:11 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 :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033080.D\data.ms

(25) Benzo(k)fluoranthene

22.826min (+ 0.091) 0.36 ng/u1

response 16328

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 31.10  | 33.56  |
| 125.00 | 26.10  | 22.95  |
| 0.00   | 0.00   | 0.00   |

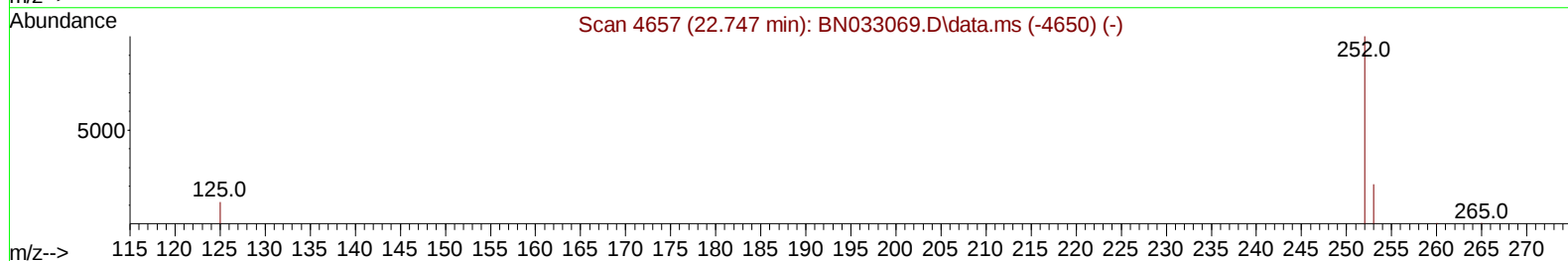
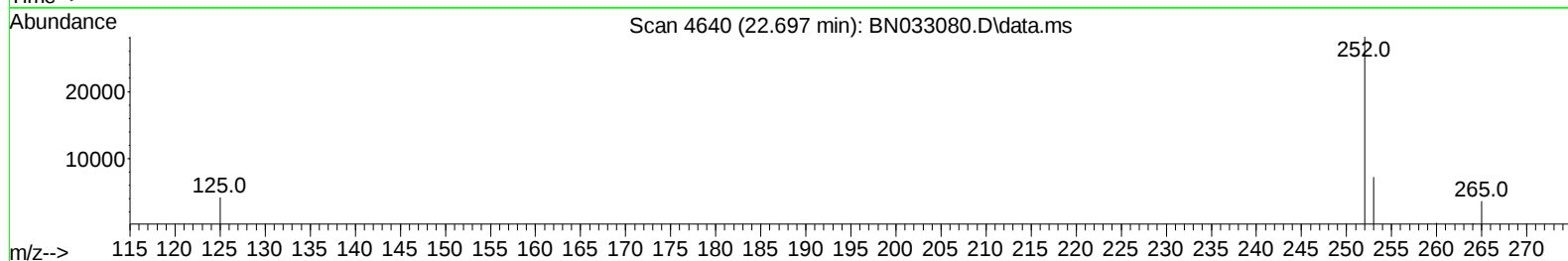
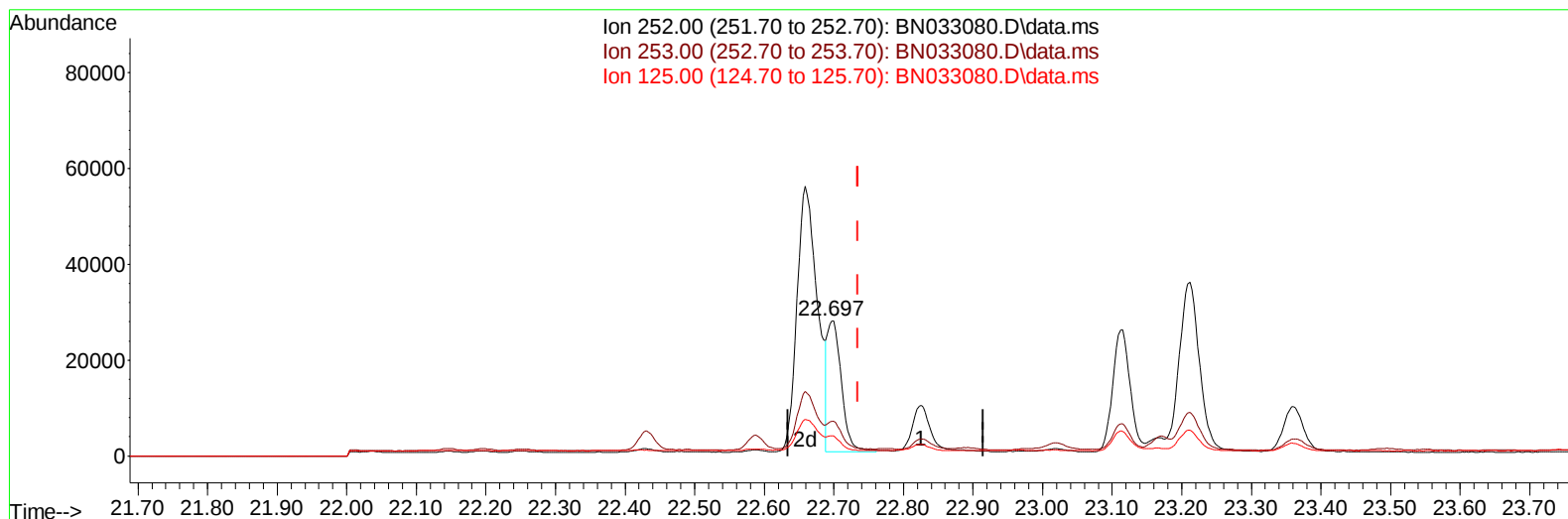
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033080.D  
Acq On : 29 Jul 2024 22:39  
Operator : MA/JU  
Sample : P3347-06  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AZ0

Manual IntegrationsAPPROVED

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TIC: BN033080.D\data.ms

(25) Benzo(k)fluoranthene

22.697min (-0.038) 0.84 ng/u1 m

response 38348

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 31.10  | 25.82  |
| 125.00 | 26.10  | 14.92# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
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 Acq On : 29 Jul 2024 22:39  
 Operator : MA/JU  
 Sample : P3347-06  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AZ0

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/30/2024  
 Supervised By :mohammad ahmed 07/31/2024

Quant Time: Jul 29 23:48:11 2024  
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 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   | 7.499  | 152  | 2191     | 0.400   | ng/ul  | -0.03    |
| 4) Naphthalene-d8           | 10.245 | 136  | 8144     | 0.400   | ng/ul  | #-0.05   |
| 9) Acenaphthene-d10         | 14.138 | 164  | 5712     | 0.400   | ng/ul  | -0.03    |
| 13) Phenanthrene-d10        | 16.903 | 188  | 12821m   | 0.400   | ng/ul  | -0.04    |
| 17) Chrysene-d12            | 21.128 | 240  | 12921m   | 0.400   | ng/ul  | -0.03    |
| 23) Perylene-d12            | 23.311 | 264  | 13115m   | 0.400   | ng/ul  | -0.04    |
| System Monitoring Compounds |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8           | 3.056  | 96   | 11796    | 4.256   | ng/ul  | -0.01    |
| 6) 2-Methylnaphthalene-d10  | 11.857 | 152  | 4181     | 0.315   | ng/ul  | -0.05    |
| 18) Fluoranthene-d10        | 18.949 | 212  | 21634m   | 0.591   | ng/ul  | -0.03    |
| Target Compounds            |        |      |          |         |        |          |
|                             |        |      |          |         | Qvalue |          |
| 5) Naphthalene              | 10.295 | 128  | 3203685  | 153.184 | ng/ul# | 92       |
| 7) 2-Methylnaphthalene      | 11.928 | 142  | 245506   | 17.329  | ng/ul  | 96       |
| 8) 1-Methylnaphthalene      | 12.148 | 142  | 190784   | 12.452  | ng/ul  | 100      |
| 10) Acenaphthylene          | 13.861 | 152  | 14222    | 0.608   | ng/ul# | 96       |
| 11) Acenaphthene            | 14.199 | 153  | 231117   | 13.144  | ng/ul  | 99       |
| 12) Fluorene                | 15.202 | 166  | 165995   | 8.100   | ng/ul  | 98       |
| 15) Phenanthrene            | 16.945 | 178  | 349439m  | 10.161  | ng/ul  |          |
| 16) Anthracene              | 17.038 | 178  | 66137m   | 2.139   | ng/ul  |          |
| 19) Fluoranthene            | 18.981 | 202  | 246391   | 5.791   | ng/ul  | 96       |
| 20) Pyrene                  | 19.344 | 202  | 162569   | 3.563   | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.110 | 228  | 89897m   | 2.040   | ng/ul  |          |
| 22) Chrysene                | 21.163 | 228  | 154905   | 3.012   | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.659 | 252  | 113582m  | 2.965   | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.697 | 252  | 38348m   | 0.835   | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.211 | 252  | 71278    | 1.977   | ng/ul# | 75       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.510 | 276  | 35720    | 0.651   | ng/ul# | 92       |
| 28) Dibenzo(a,h)anthracene  | 25.503 | 278  | 10390    | 0.239   | ng/ul# | 86       |
| 29) Benzo(g,h,i)perylene    | 26.181 | 276  | 29894    | 0.686   | ng/ul  | 94       |
| -----                       |        |      |          |         |        |          |

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

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