

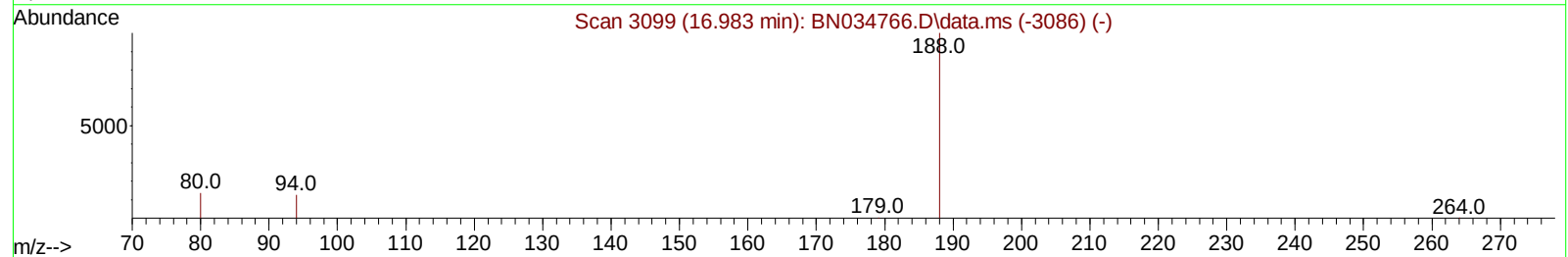
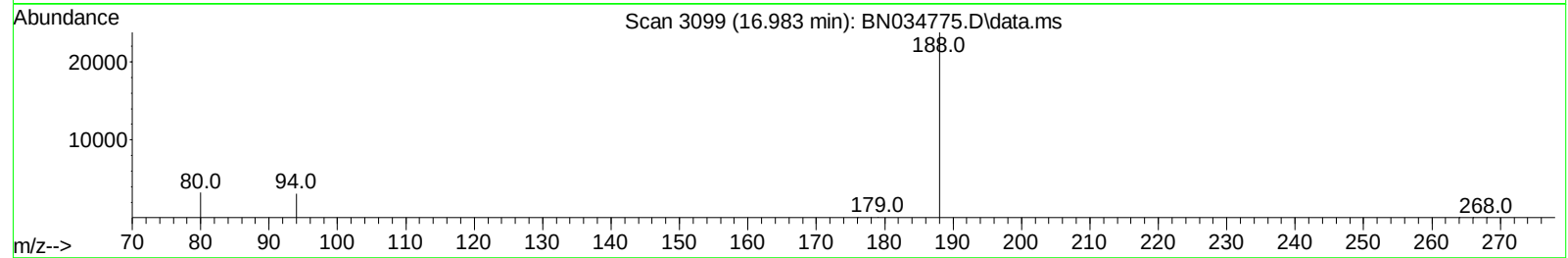
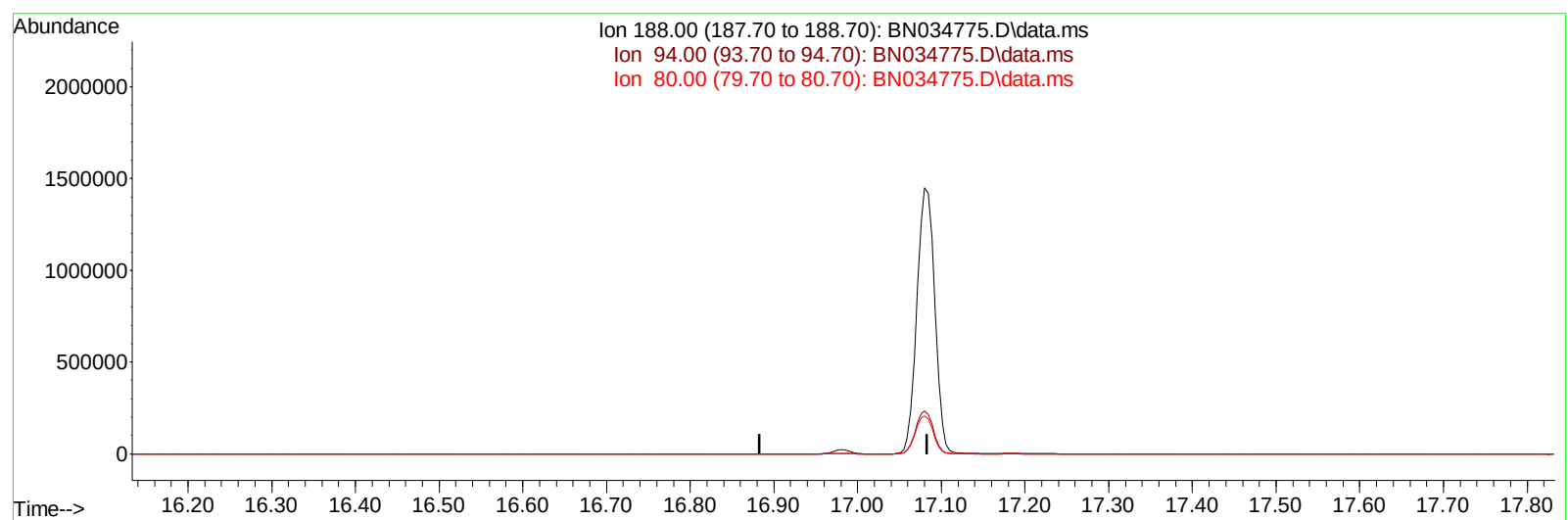
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN103124\  
Data File : BN034775.D  
Acq On : 31 Oct 2024 20:41  
Operator : RC/JU  
Sample : P4529-03  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F7H12

Manual IntegrationsAPPROVED

Quant Time: Nov 03 23:23:00 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN103124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 31 11:13:08 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/04/2024  
Supervised By :mohammad ahmed 11/05/2024



TIC: BN034775.D\data.ms

(13) Phenanthrene-d10 (I)

16.983min (-16.983) 0.00 ng/u1

response 0

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 188.00 | 100.00 | 0.00  |
| 94.00  | 13.60  | 0.00# |
| 80.00  | 14.50  | 0.00# |
| 0.00   | 0.00   | 0.00  |

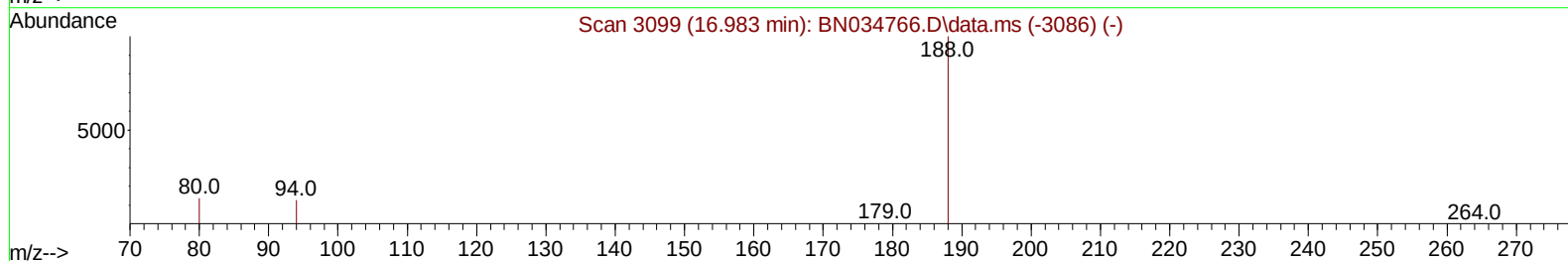
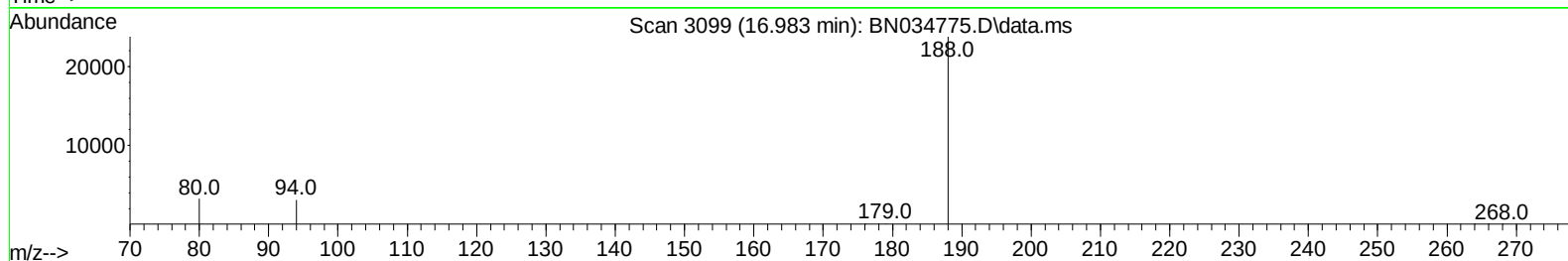
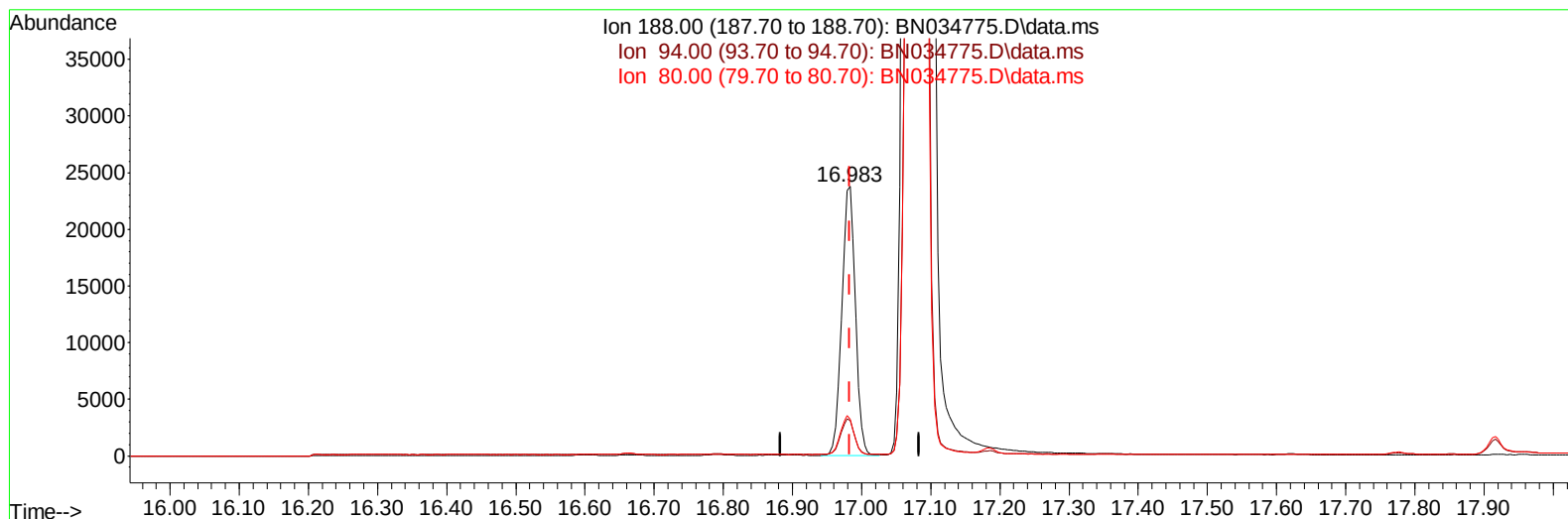
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN103124\  
Data File : BN034775.D  
Acq On : 31 Oct 2024 20:41  
Operator : RC/JU  
Sample : P4529-03  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_N  
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Manual IntegrationsAPPROVED

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TIC: BN034775.D\data.ms

(13) Phenanthrene-d10 (I)

16.983min (-0.000) 0.40 ng/ul m

response 32585

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 13.60  | 13.18  |
| 80.00  | 14.50  | 13.59  |
| 0.00   | 0.00   | 0.00   |

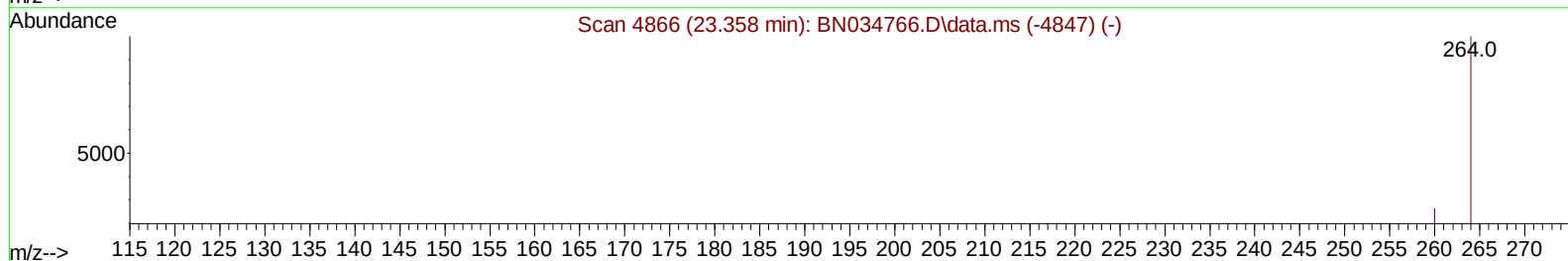
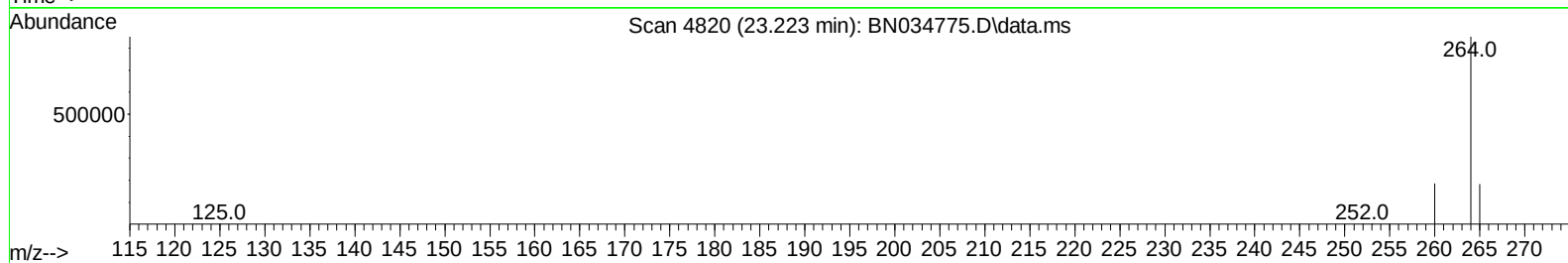
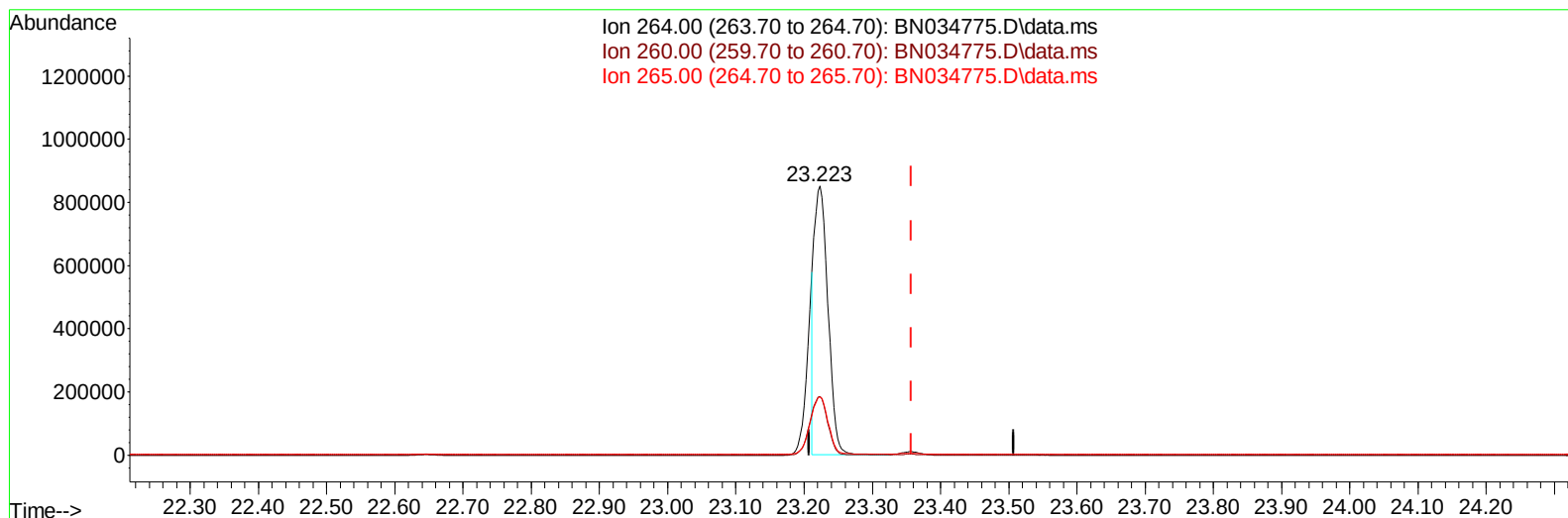
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN103124\  
Data File : BN034775.D  
Acq On : 31 Oct 2024 20:41  
Operator : RC/JU  
Sample : P4529-03  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F7H12

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024  
Supervised By :mohammad ahmed 11/05/2024

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TIC: BN034775.D\data.ms

## (23) Perylene-d12 (I)

23.223min (-0.135) 0.40 ng/u1

response 1186162

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 27.60  | 21.88# |
| 265.00 | 57.90  | 21.67# |
| 0.00   | 0.00   | 0.00   |

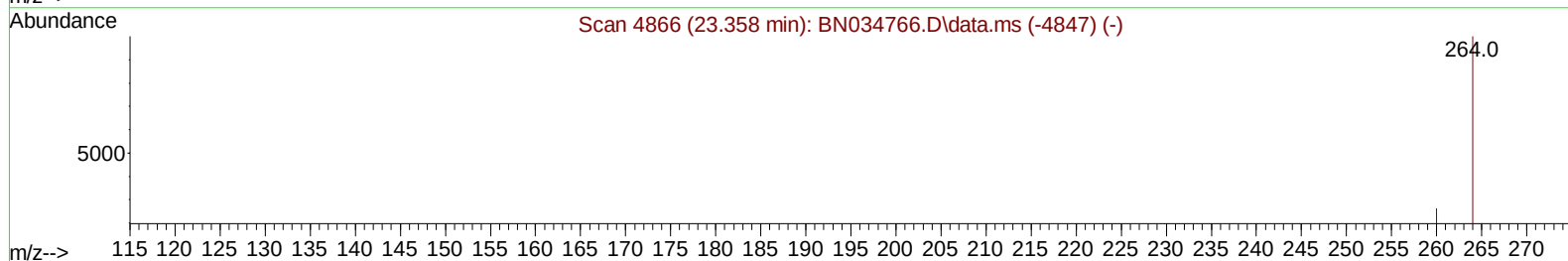
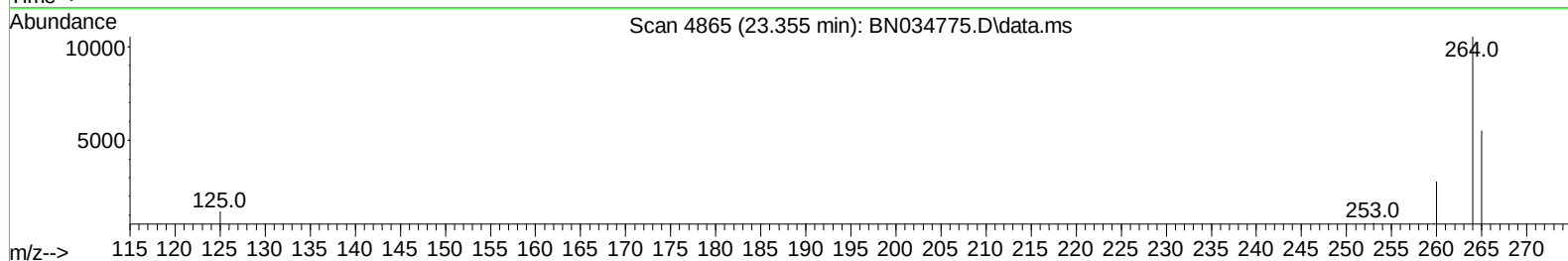
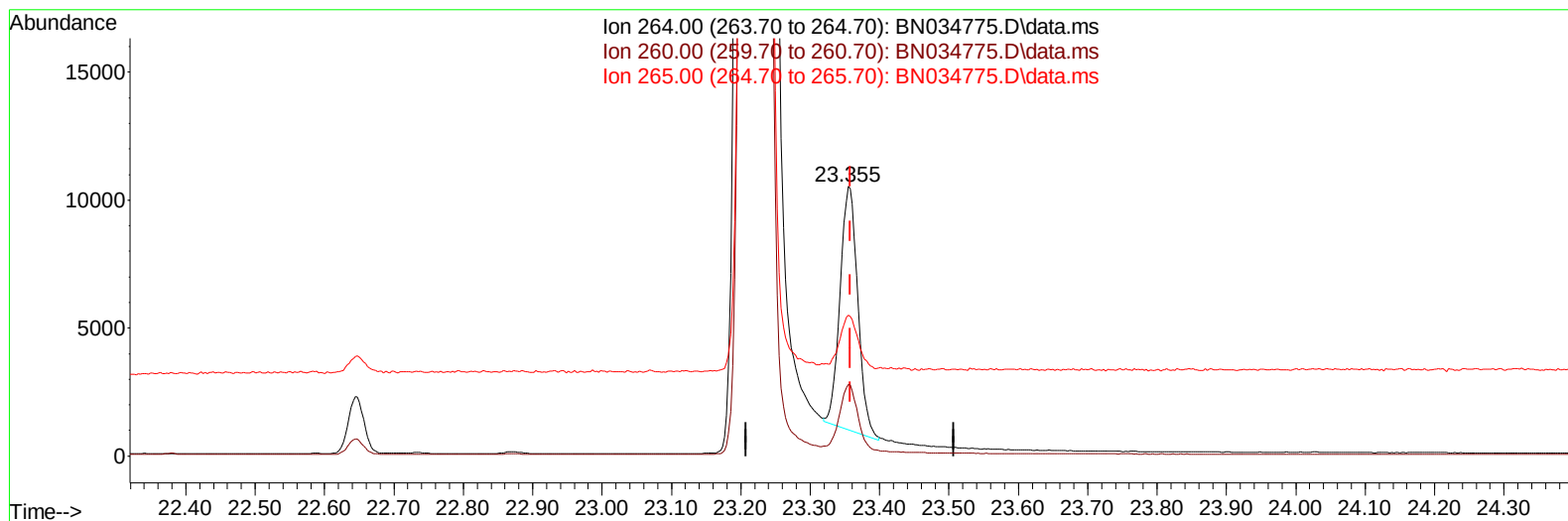
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN103124\  
Data File : BN034775.D  
Acq On : 31 Oct 2024 20:41  
Operator : RC/JU  
Sample : P4529-03  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F7H12

Manual IntegrationsAPPROVED

Quant Time: Nov 03 23:23:00 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN103124.M  
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QLast Update : Thu Oct 31 11:13:08 2024  
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Reviewed By :Yogesh Patel 11/04/2024  
Supervised By :mohammad ahmed 11/05/2024



TIC: BN034775.D\data.ms

(23) Perylene-d12 (I)

23.355min (-0.003) 0.40 ng/ul m

response 16826

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 27.60  | 26.55  |
| 265.00 | 57.90  | 52.26  |
| 0.00   | 0.00   | 0.00   |

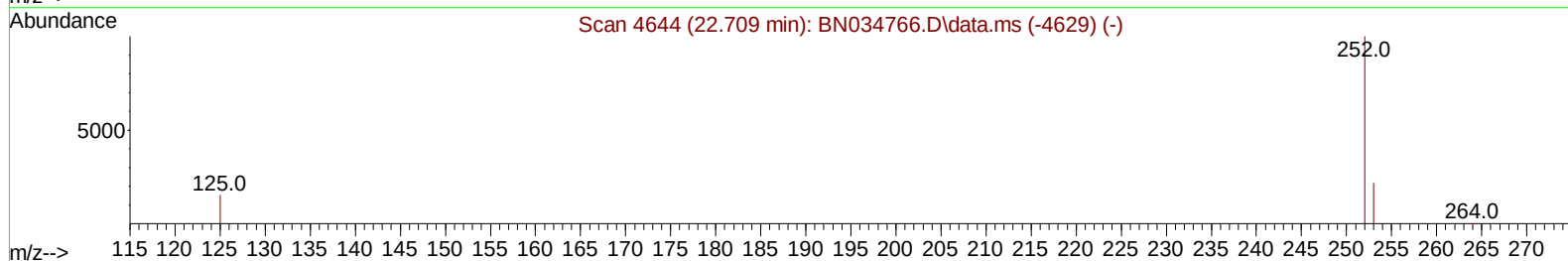
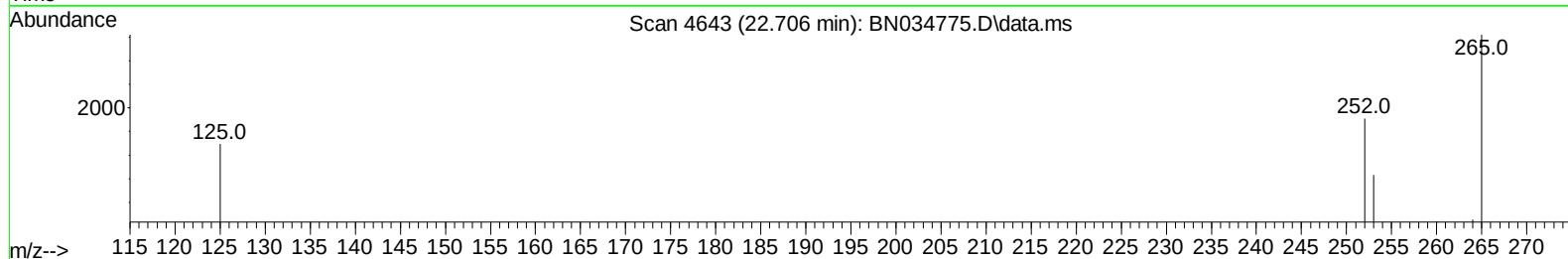
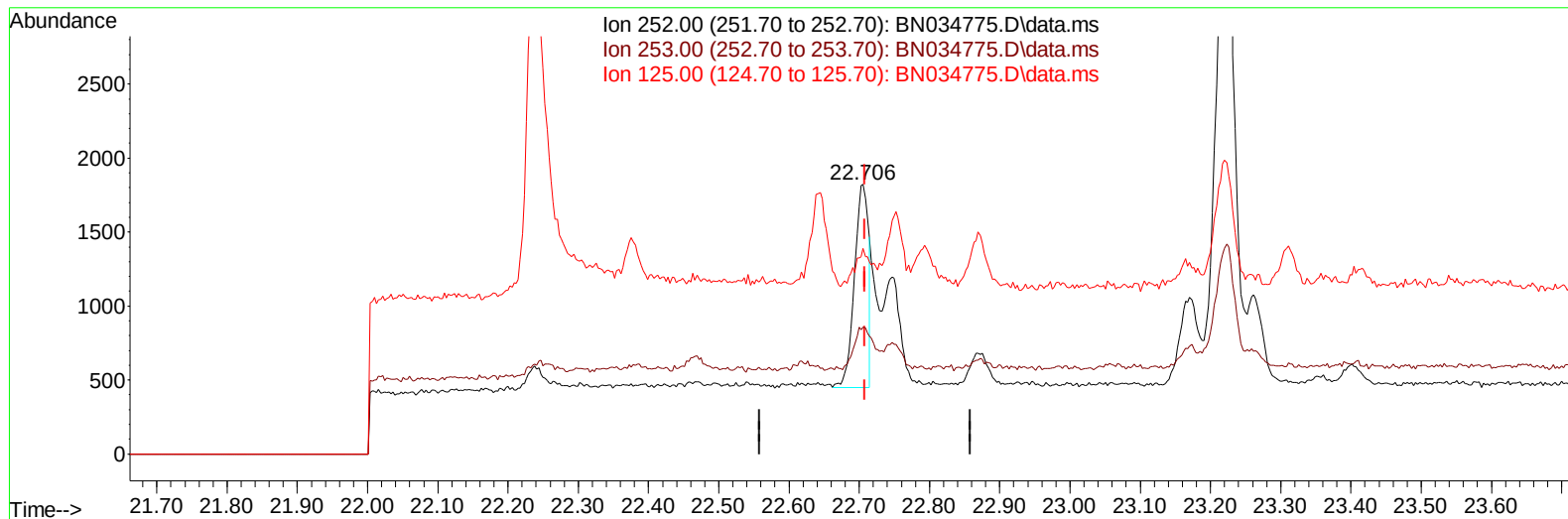
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN103124\  
Data File : BN034775.D  
Acq On : 31 Oct 2024 20:41  
Operator : RC/JU  
Sample : P4529-03  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F7H12

Manual IntegrationsAPPROVED

Quant Time: Nov 03 23:23:00 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN103124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 31 11:13:08 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/04/2024  
Supervised By :mohammad ahmed 11/05/2024



TIC: BN034775.D\data.ms

(24) Benzo(b)fluoranthene

22.706min (-0.003) 0.03 ng/u1

response 1904

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 23.80  | 47.06  |
| 125.00 | 20.70  | 76.33# |
| 0.00   | 0.00   | 0.00   |

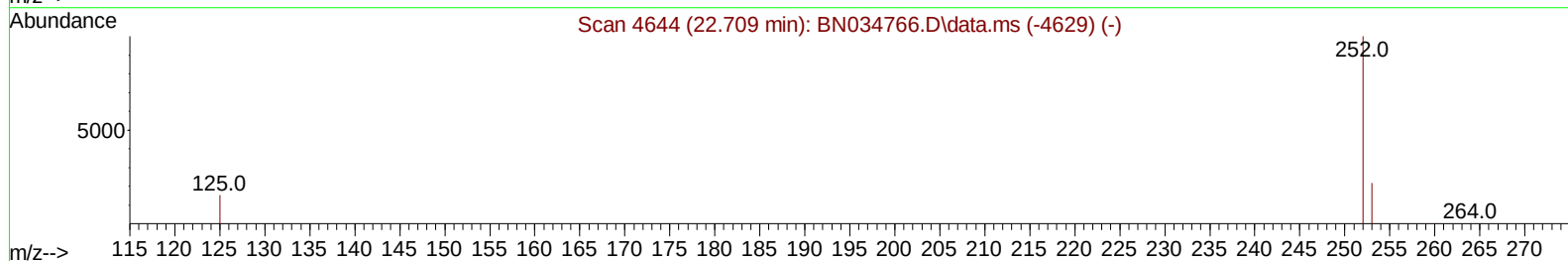
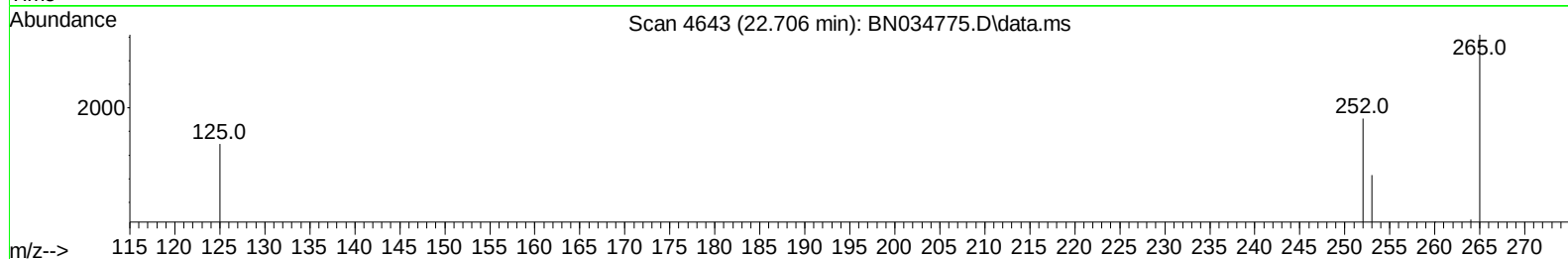
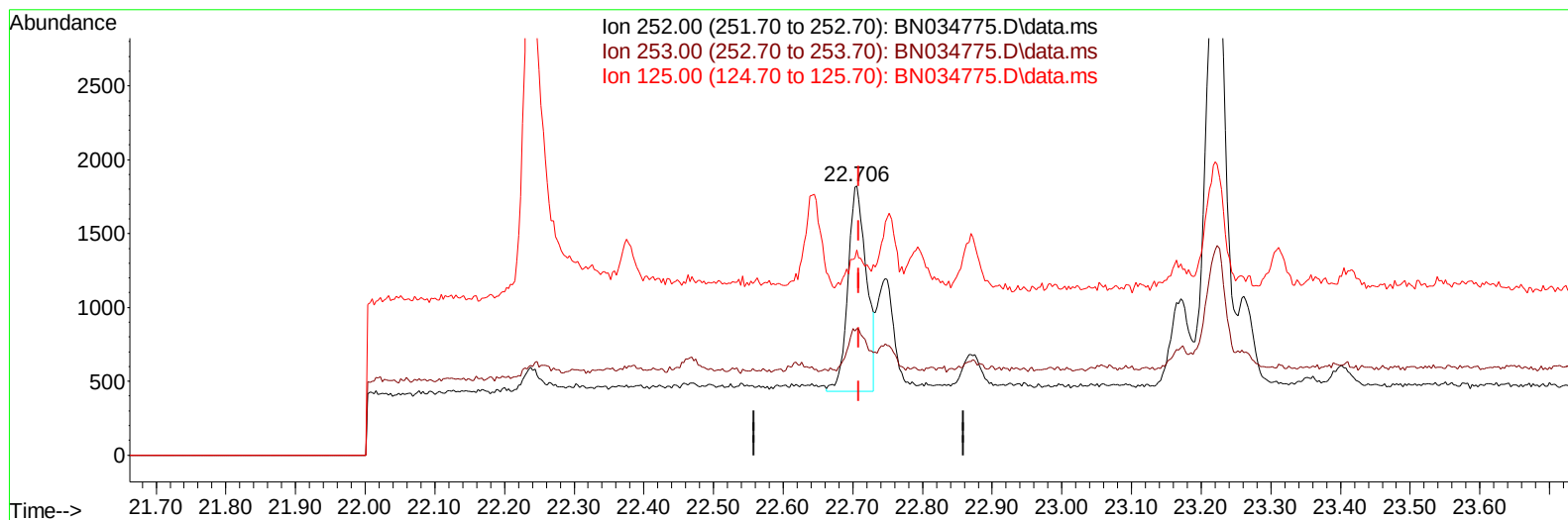
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN103124\  
Data File : BN034775.D  
Acq On : 31 Oct 2024 20:41  
Operator : RC/JU  
Sample : P4529-03  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F7H12

Manual IntegrationsAPPROVED

Quant Time: Nov 03 23:23:00 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN103124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 31 11:13:08 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/04/2024  
Supervised By :mohammad ahmed 11/05/2024



TIC: BN034775.D\data.ms

(24) Benzo(b)fluoranthene

22.706min (-0.003) 0.04 ng/ul m

response 2553

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 23.80  | 47.06  |
| 125.00 | 20.70  | 76.33# |
| 0.00   | 0.00   | 0.00   |

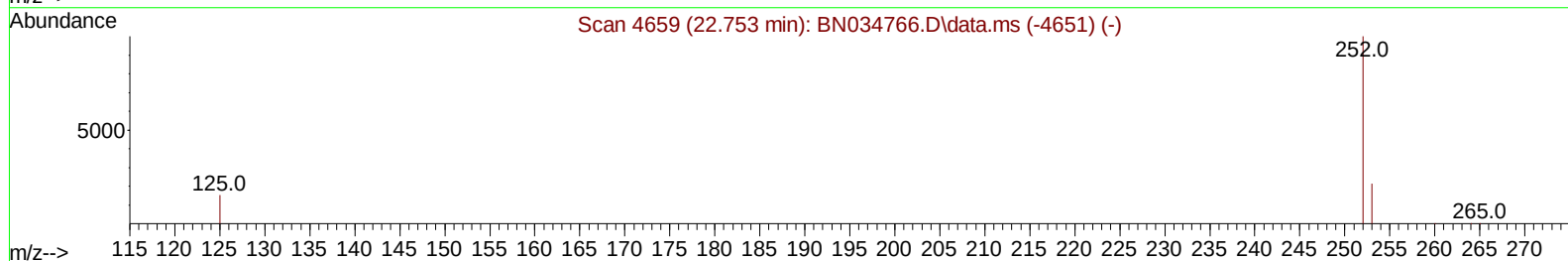
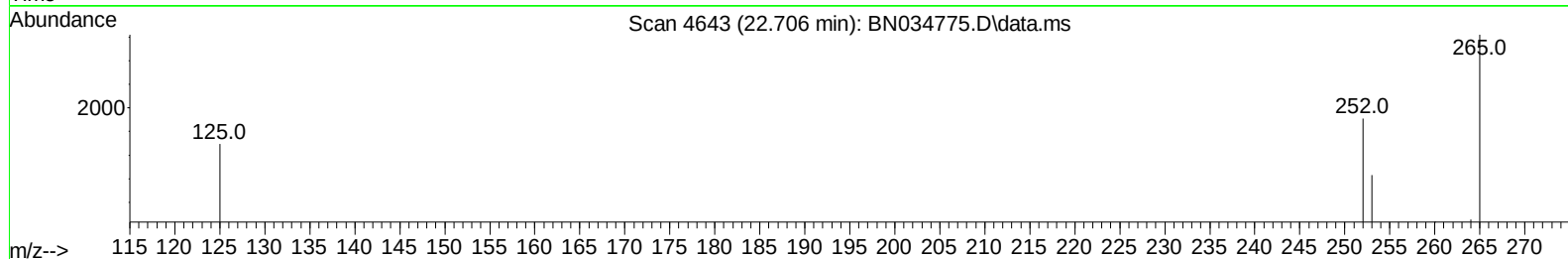
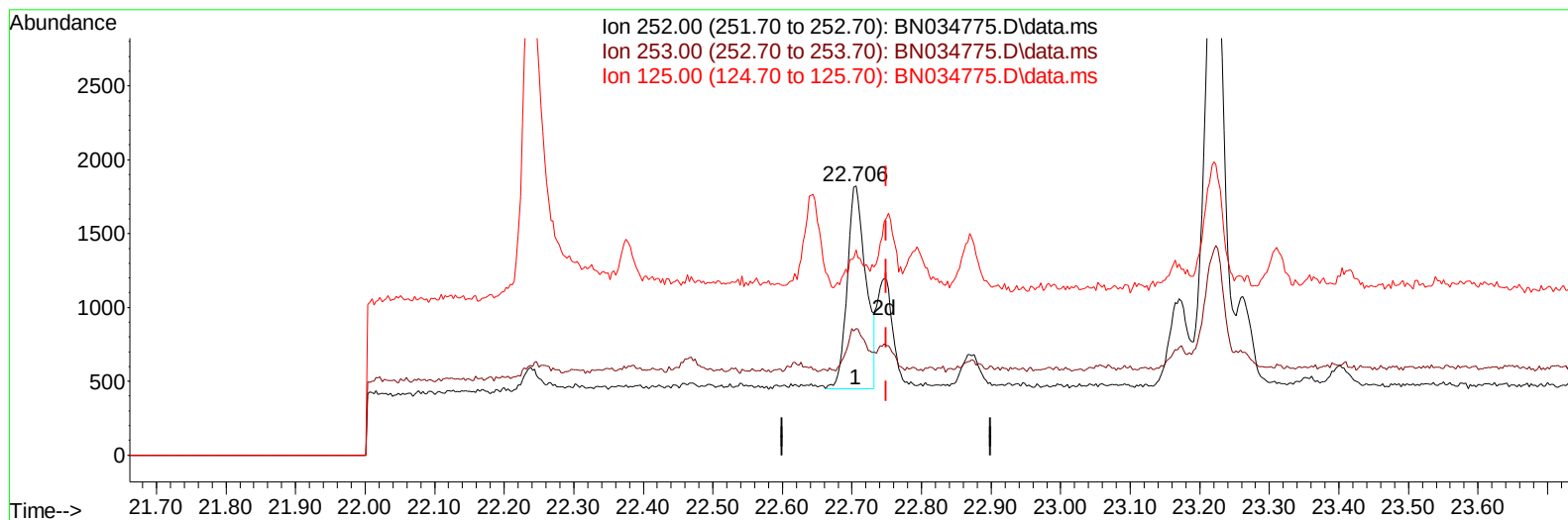
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN103124\  
Data File : BN034775.D  
Acq On : 31 Oct 2024 20:41  
Operator : RC/JU  
Sample : P4529-03  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F7H12

Manual IntegrationsAPPROVED

Quant Time: Nov 03 23:23:00 2024  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 31 11:13:08 2024  
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Reviewed By :Yogesh Patel 11/04/2024  
Supervised By :mohammad ahmed 11/05/2024



TIC: BN034775.D\data.ms

(25) Benzo(k)fluoranthene

22.706min (-0.044) 0.04 ng/u1

response 2575

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 23.90  | 47.06# |
| 125.00 | 21.20  | 76.33# |
| 0.00   | 0.00   | 0.00   |

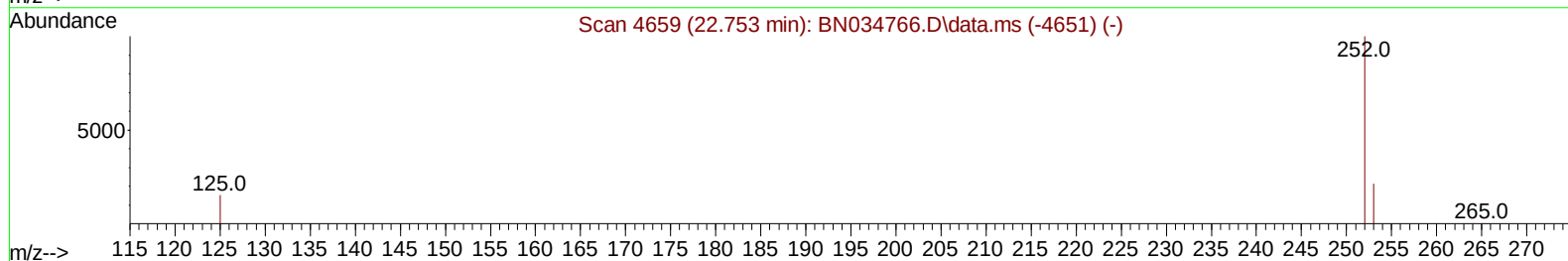
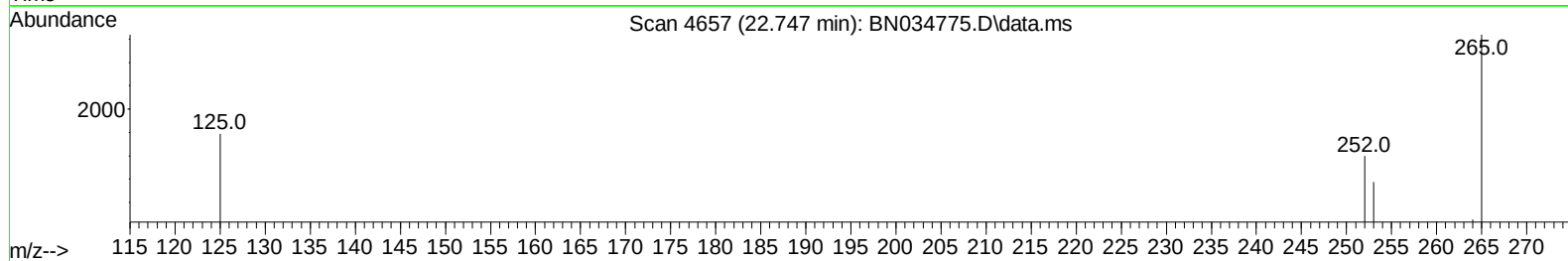
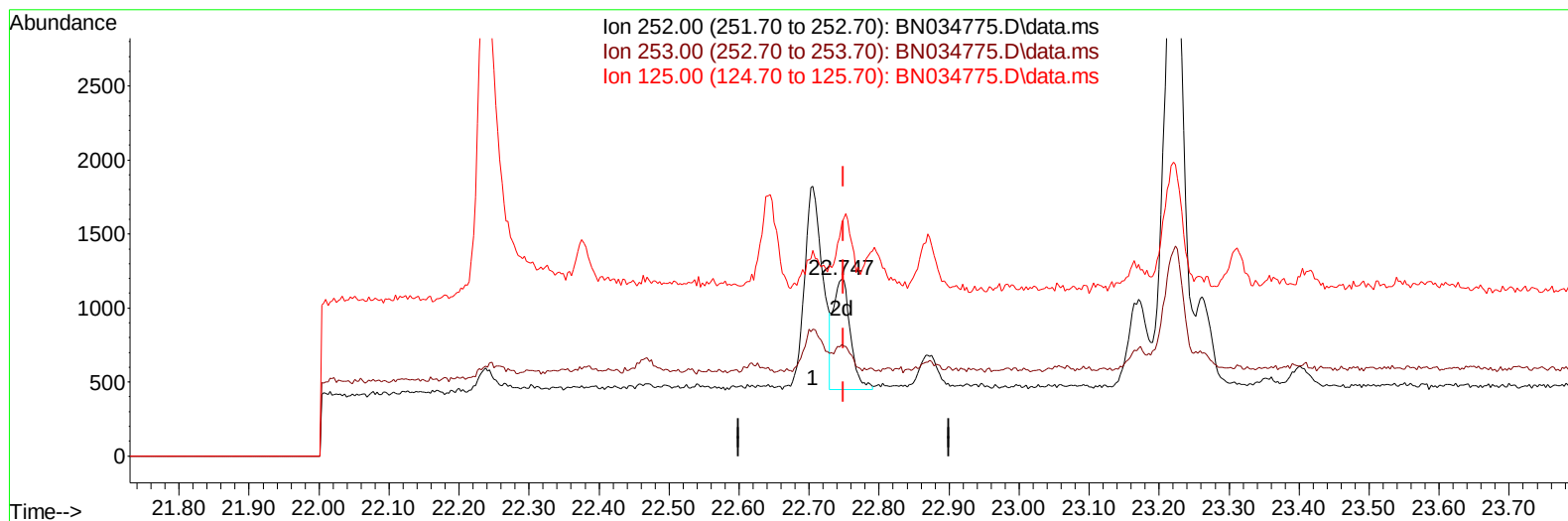
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN103124\  
Data File : BN034775.D  
Acq On : 31 Oct 2024 20:41  
Operator : RC/JU  
Sample : P4529-03  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F7H12

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024  
Supervised By :mohammad ahmed 11/05/2024

Quant Time: Nov 03 23:23:00 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN103124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 31 11:13:08 2024  
Response via : Initial Calibration



TIC: BN034775.D\data.ms

## (25) Benzo(k)fluoranthene

22.747min (-0.003) 0.02 ng/u1 m

response 1277

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 252.00 | 100.00 | 100.00  |
| 253.00 | 23.90  | 63.07#  |
| 125.00 | 21.20  | 132.08# |
| 0.00   | 0.00   | 0.00    |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN103124\  
 Data File : BN034775.D  
 Acq On : 31 Oct 2024 20:41  
 Operator : RC/JU  
 Sample : P4529-03  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 F7H12

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024  
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 QLast Update : Thu Oct 31 11:13:08 2024  
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| Compound                    | R.T.   | Q   | Ion | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|-----|-----|----------|-------|--------|----------|
| -----                       |        |     |     |          |       |        |          |
| Internal Standards          |        |     |     |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.600  | 152 |     | 9260     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.366 | 136 |     | 29176    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.236 | 164 |     | 16403    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.983 | 188 |     | 32585m   | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.172 | 240 |     | 21462    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.355 | 264 |     | 16826m   | 0.400 | ng/ul  | 0.00     |
|                             |        |     |     |          |       |        |          |
| System Monitoring Compounds |        |     |     |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.174  | 96  |     | 55663    | 5.807 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.967 | 152 |     | 15114    | 0.413 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.014 | 212 |     | 30845    | 0.442 | ng/ul  | 0.00     |
|                             |        |     |     |          |       |        |          |
| Target Compounds            |        |     |     |          |       |        | Qvalue   |
| 12) Fluorene                | 15.290 | 166 |     | 1387     | 0.022 | ng/ul# | 96       |
| 19) Fluoranthene            | 19.042 | 202 |     | 3461     | 0.033 | ng/ul# | 86       |
| 20) Pyrene                  | 19.409 | 202 |     | 4865     | 0.045 | ng/ul# | 91       |
| 22) Chrysene                | 21.207 | 228 |     | 1880     | 0.022 | ng/ul# | 91       |
| 24) Benzo(b)fluoranthene    | 22.706 | 252 |     | 2553m    | 0.037 | ng/ul  |          |
| -----                       |        |     |     |          |       |        |          |

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

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Instrument :  
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ClientSampleId :  
F7H12

## Manual IntegrationsAPPROVED

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