

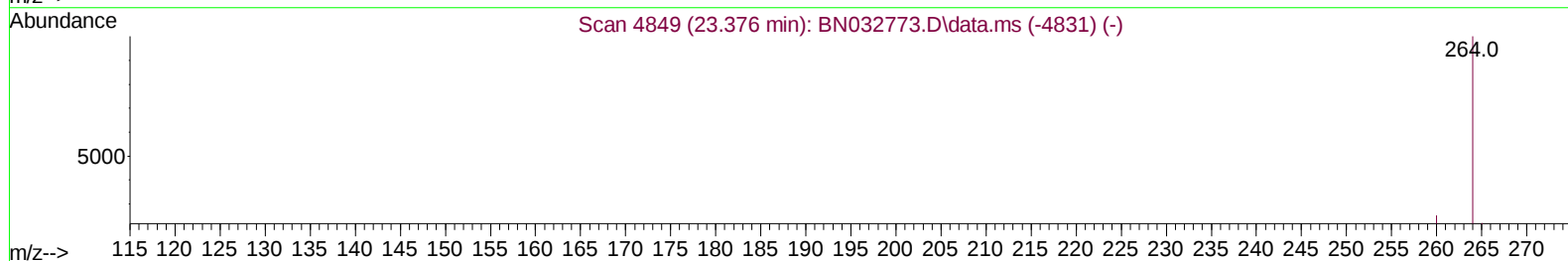
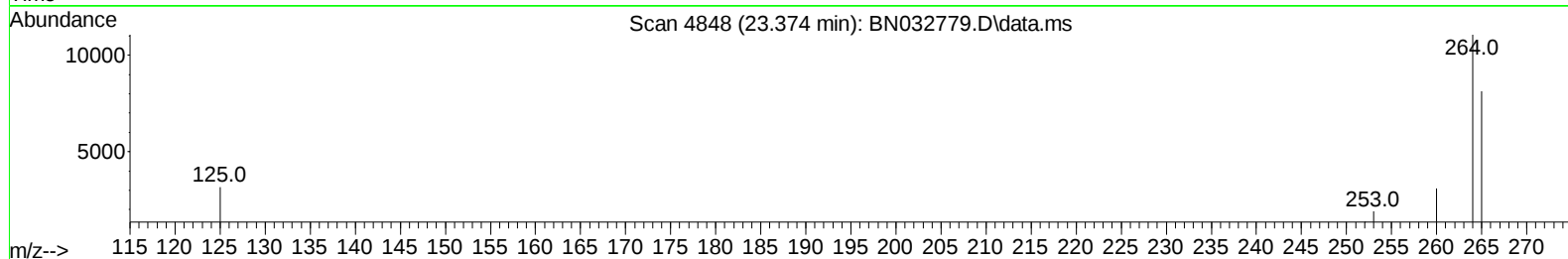
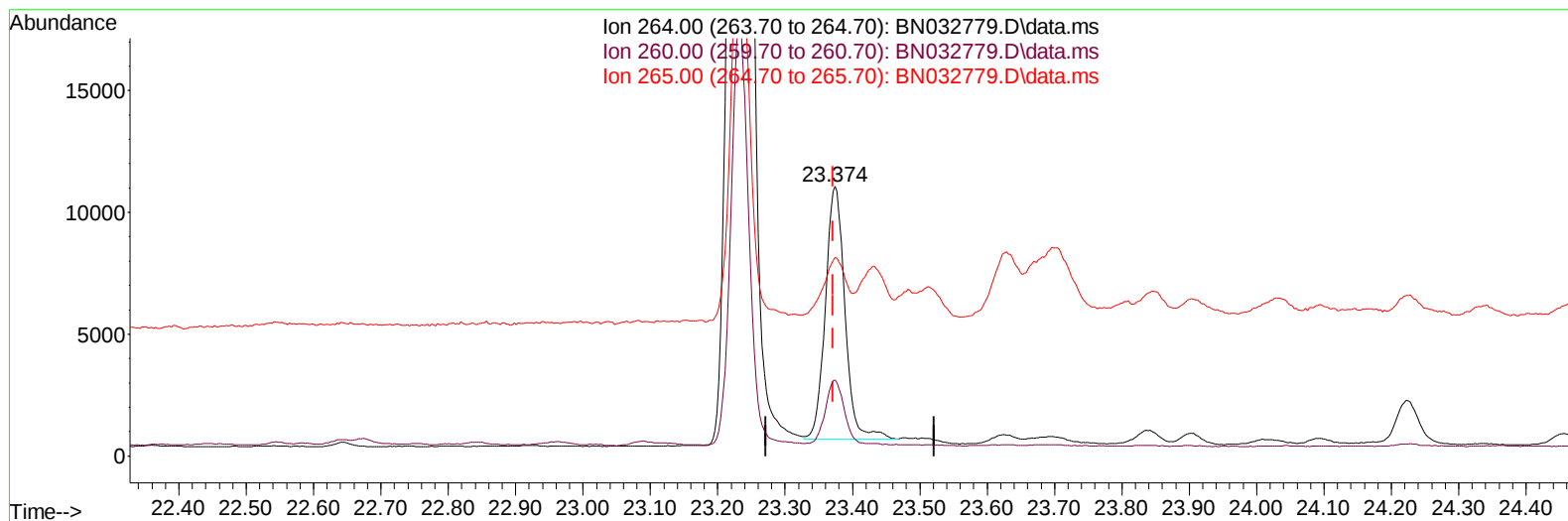
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071624\  
Data File : BN032779.D  
Acq On : 17 Jul 2024 14:49  
Operator : MA/JU  
Sample : P3177-01DL 5X  
Misc :  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A4BR9DL

Manual IntegrationsAPPROVED

Quant Time: Jul 17 15:53:51 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN071224.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 17 02:35:25 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/18/2024  
Supervised By :mohammad ahmed 07/19/2024



TIC: BN032779.D\data.ms

(23) Perylene-d12 (I)

23.374min (+ 0.003) 0.40 ng/u1

response 20850

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 26.10  | 28.09  |
| 265.00 | 95.50  | 73.68# |
| 0.00   | 0.00   | 0.00   |

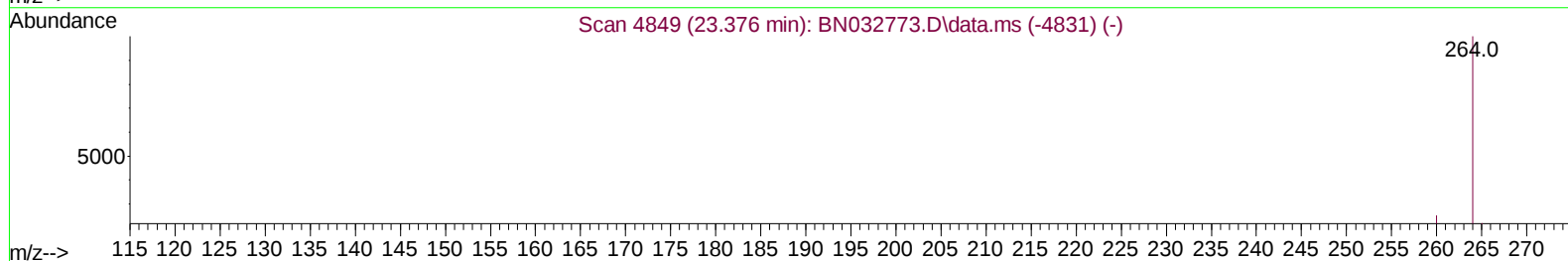
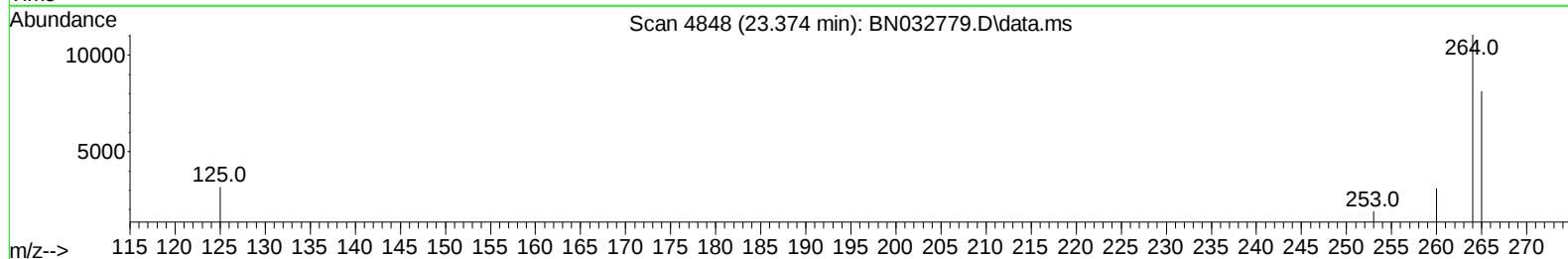
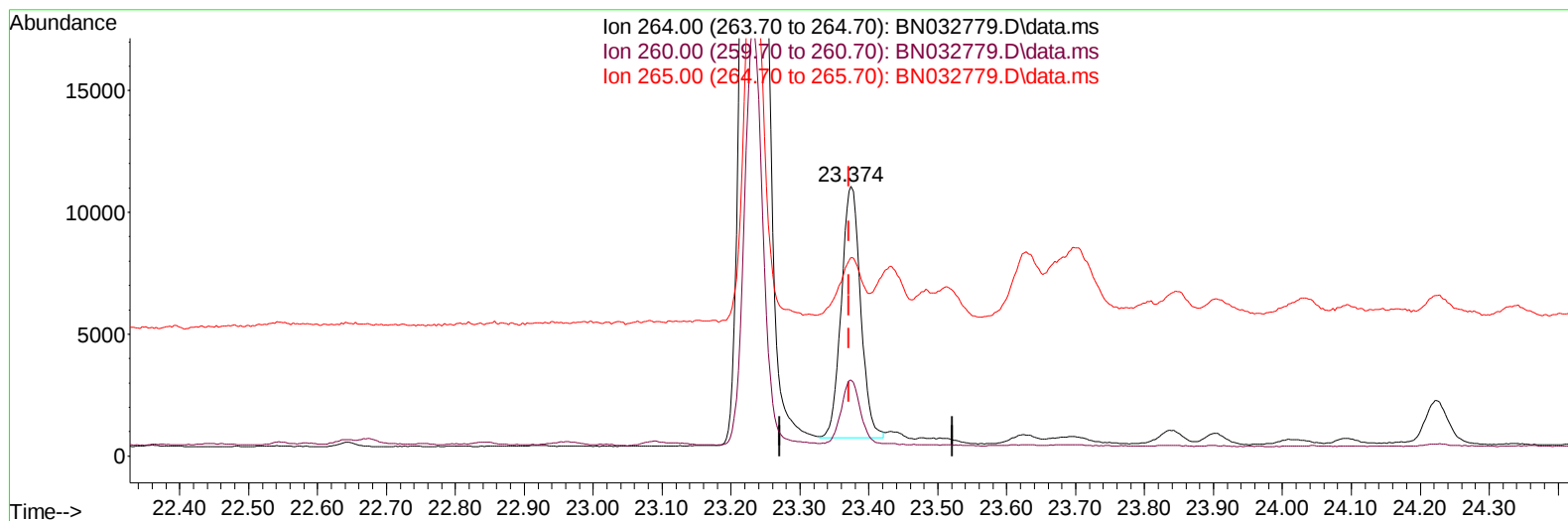
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071624\  
Data File : BN032779.D  
Acq On : 17 Jul 2024 14:49  
Operator : MA/JU  
Sample : P3177-01DL 5X  
Misc :  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A4BR9DL

Manual IntegrationsAPPROVED

Quant Time: Jul 17 15:53:51 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN071224.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 17 02:35:25 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/18/2024  
Supervised By :mohammad ahmed 07/19/2024



TIC: BN032779.D\data.ms

(23) Perylene-d12 (I)

23.374min (+ 0.003) 0.40 ng/ul m

response 20124

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 26.10  | 28.09  |
| 265.00 | 95.50  | 73.68# |
| 0.00   | 0.00   | 0.00   |

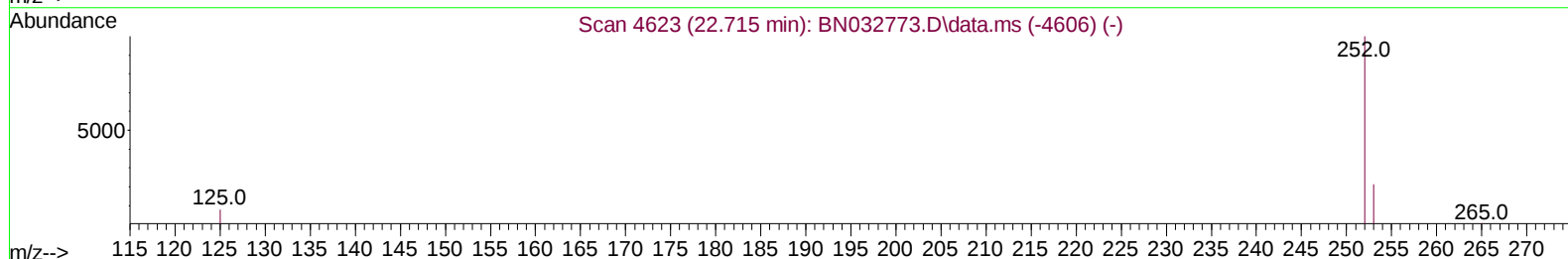
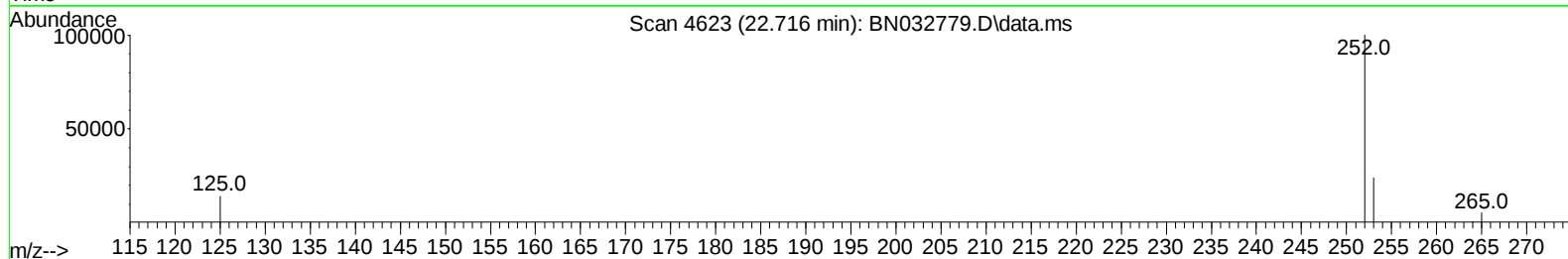
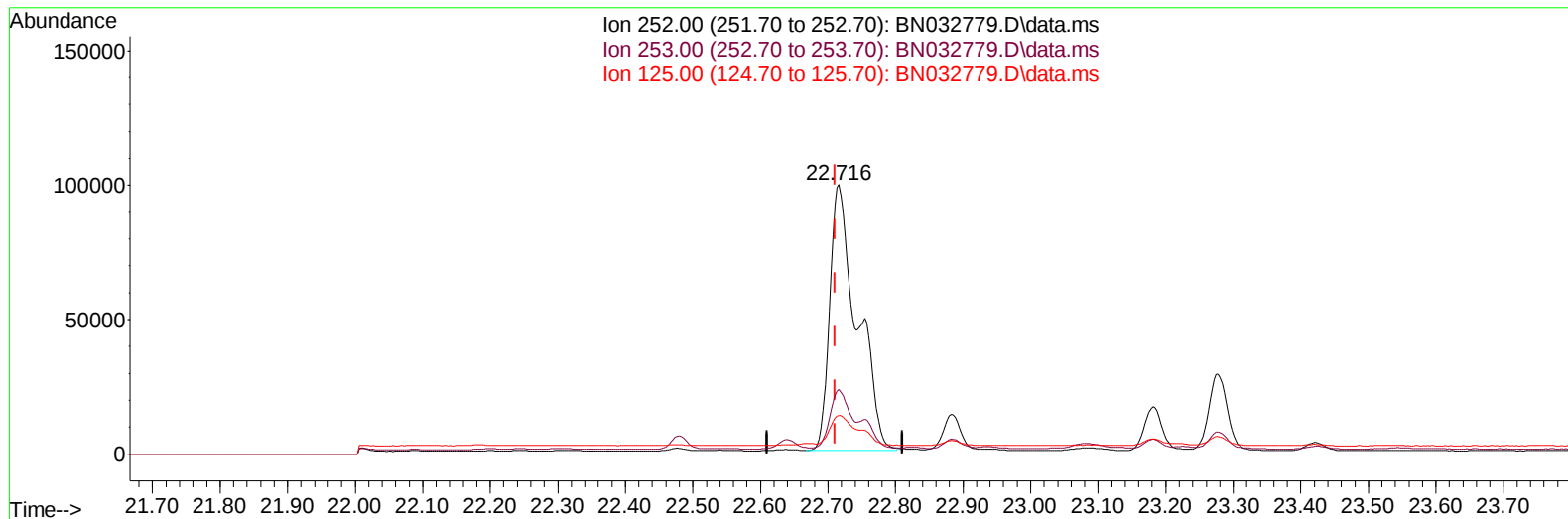
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071624\  
Data File : BN032779.D  
Acq On : 17 Jul 2024 14:49  
Operator : MA/JU  
Sample : P3177-01DL 5X  
Misc :  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A4BR9DL

Manual IntegrationsAPPROVED

Quant Time: Jul 17 15:53:51 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN071224.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 17 02:35:25 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/18/2024  
Supervised By :mohammad ahmed 07/19/2024



TIC: BN032779.D\data.ms

(24) Benzo(b)fluoranthene

22.716min (+ 0.006) 3.91 ng/u1

response 277672

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 27.00  | 23.95  |
| 125.00 | 18.00  | 14.26  |
| 0.00   | 0.00   | 0.00   |

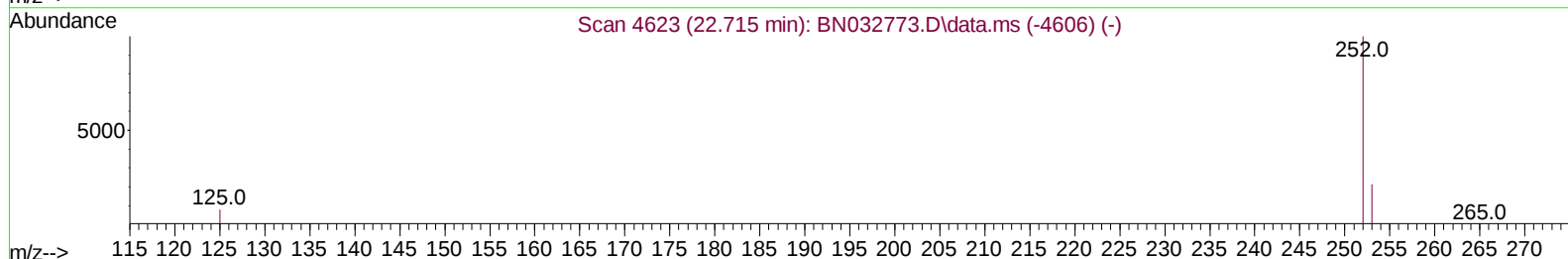
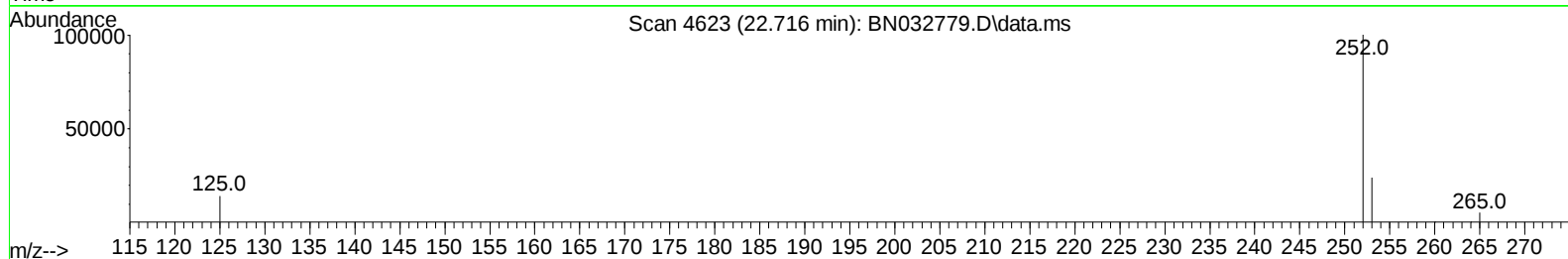
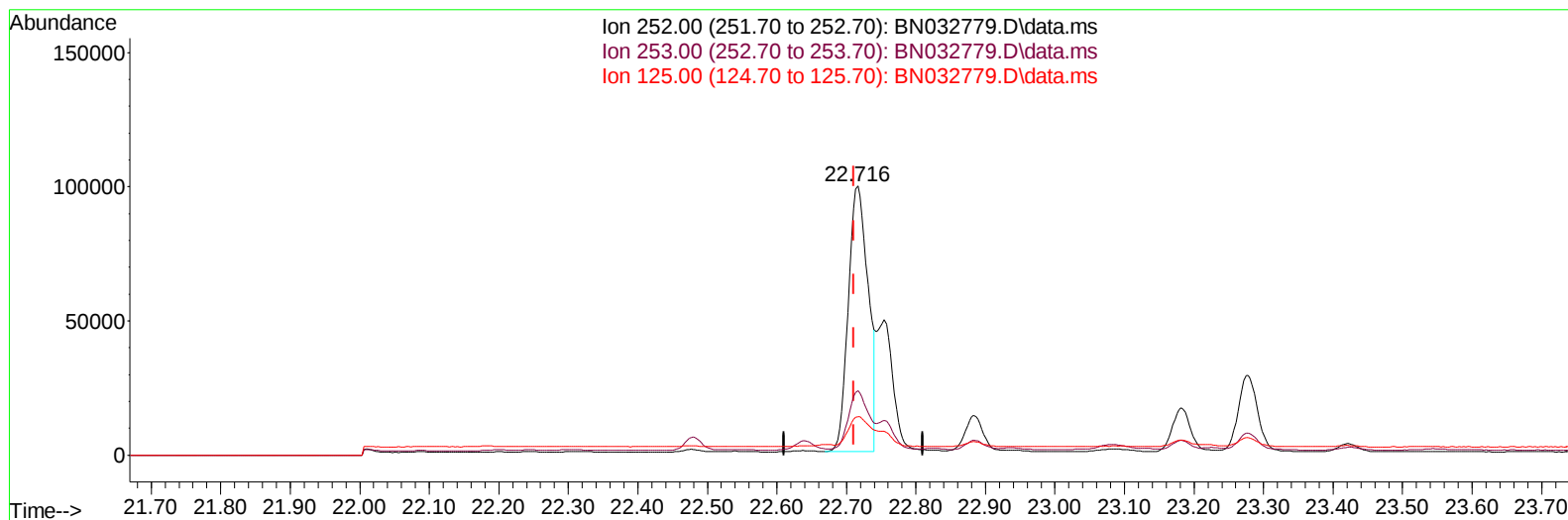
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071624\  
Data File : BN032779.D  
Acq On : 17 Jul 2024 14:49  
Operator : MA/JU  
Sample : P3177-01DL 5X  
Misc :  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A4BR9DL

Manual IntegrationsAPPROVED

Quant Time: Jul 17 15:53:51 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN071224.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 17 02:35:25 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/18/2024  
Supervised By :mohammad ahmed 07/19/2024



TIC: BN032779.D\data.ms

(24) Benzo(b)fluoranthene

22.716min (+ 0.006) 2.78 ng/u1 m

response 197476

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 27.00  | 23.95  |
| 125.00 | 18.00  | 14.26  |
| 0.00   | 0.00   | 0.00   |

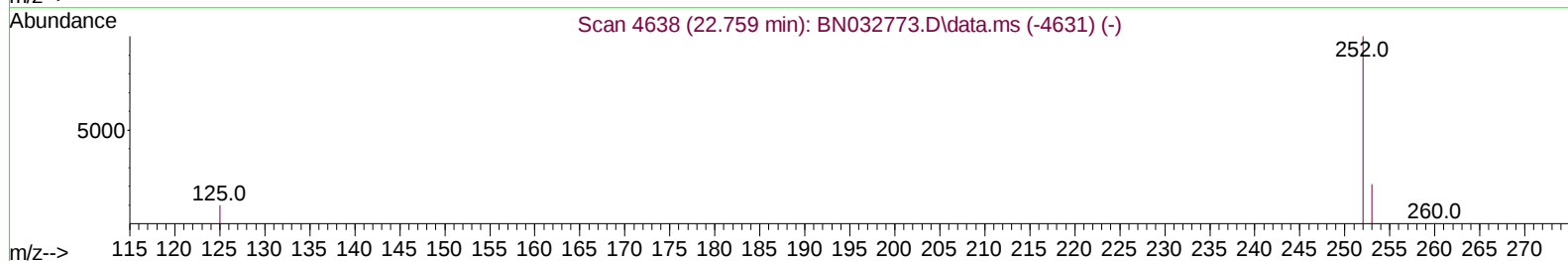
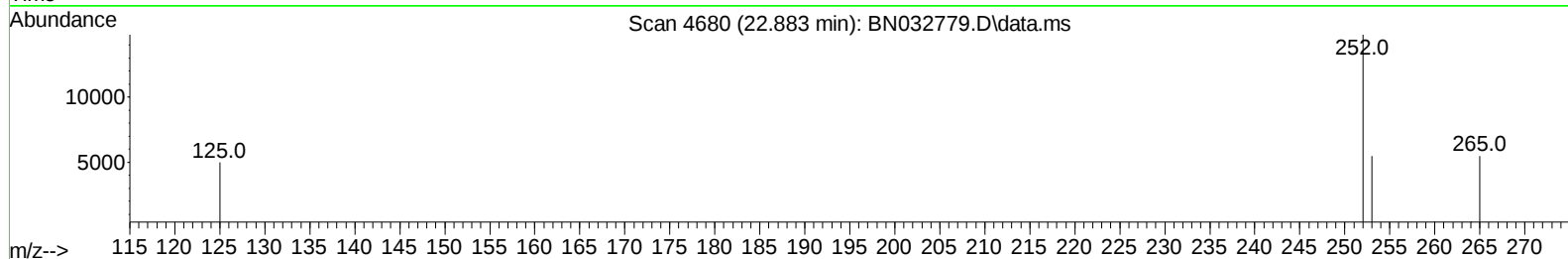
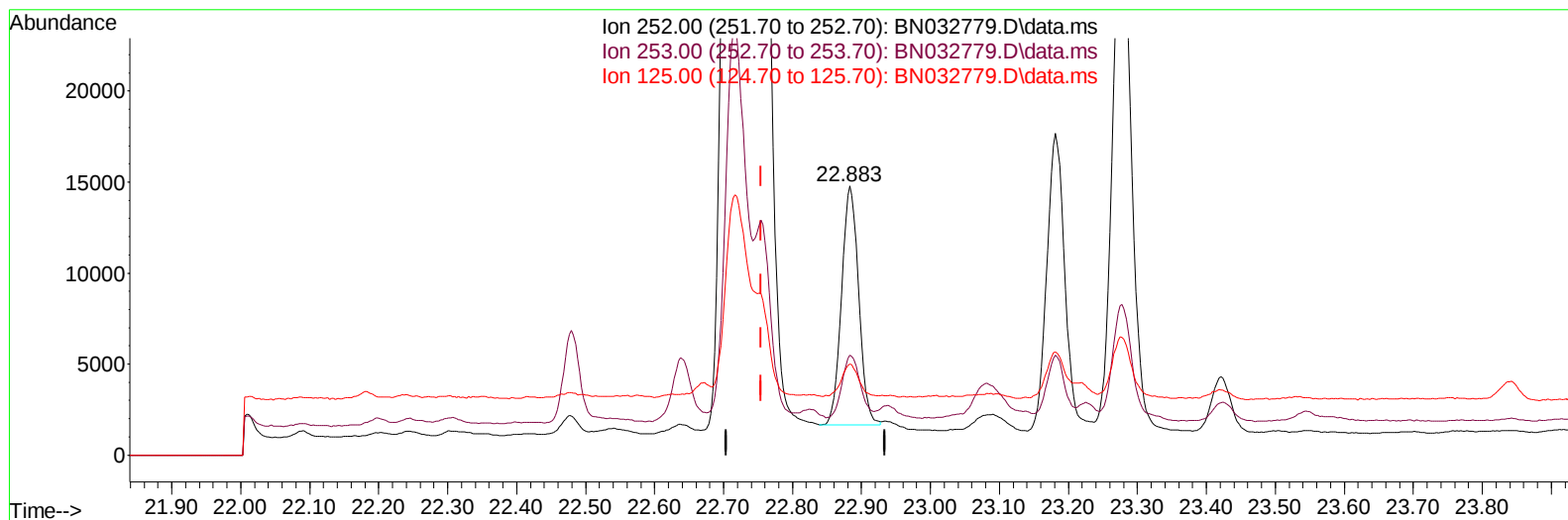
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071624\  
Data File : BN032779.D  
Acq On : 17 Jul 2024 14:49  
Operator : MA/JU  
Sample : P3177-01DL 5X  
Misc :  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A4BR9DL

Manual IntegrationsAPPROVED

Quant Time: Jul 17 15:53:51 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN071224.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 17 02:35:25 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/18/2024  
Supervised By :mohammad ahmed 07/19/2024



TIC: BN032779.D\data.ms

(25) Benzo(k)fluoranthene

22.883min (+ 0.129) 0.26 ng/u1

response 22642

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 26.50  | 37.08# |
| 125.00 | 18.50  | 33.87# |
| 0.00   | 0.00   | 0.00   |

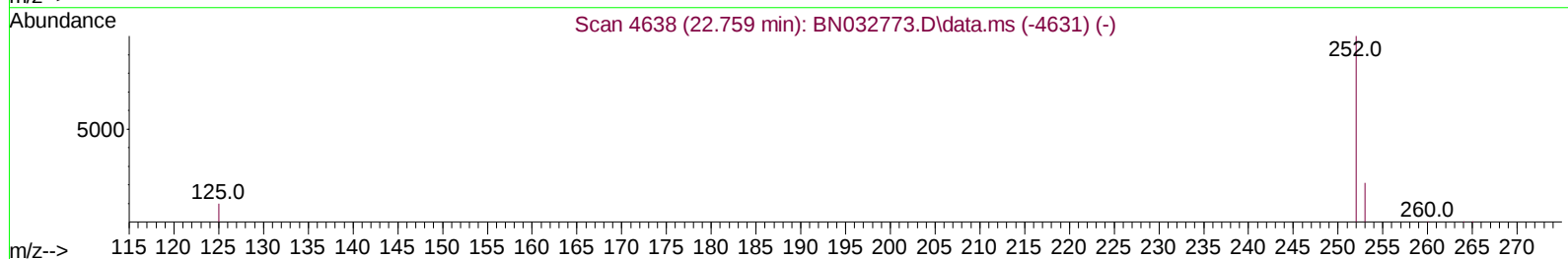
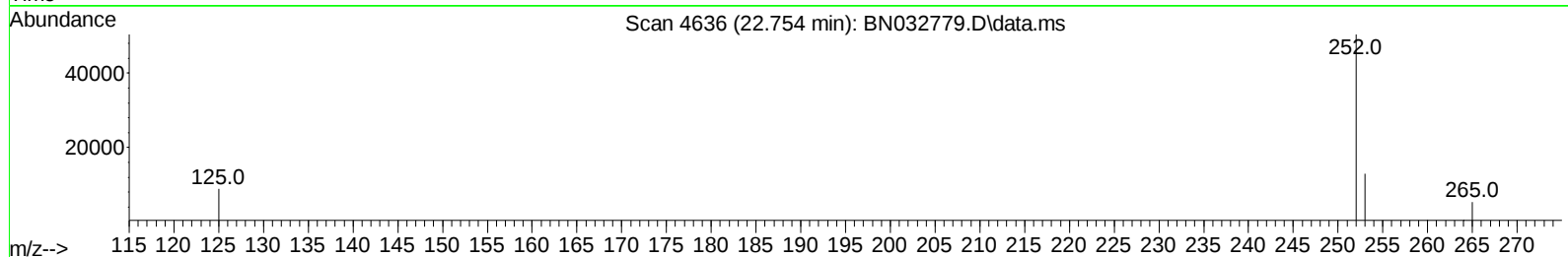
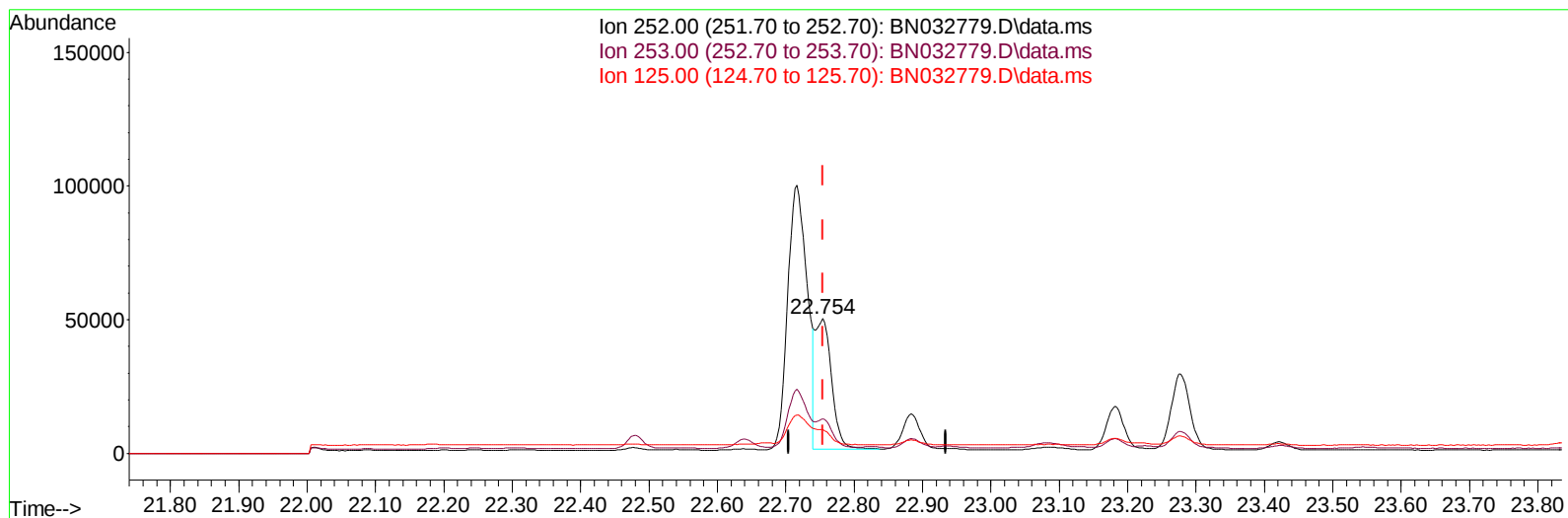
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071624\  
Data File : BN032779.D  
Acq On : 17 Jul 2024 14:49  
Operator : MA/JU  
Sample : P3177-01DL 5X  
Misc :  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A4BR9DL

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/18/2024  
Supervised By :mohammad ahmed 07/19/2024

Quant Time: Jul 17 15:53:51 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN071224.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 17 02:35:25 2024  
Response via : Initial Calibration



TIC: BN032779.D\data.ms

## (25) Benzo(k)fluoranthene

22.754min (-0.000) 0.93 ng/u1 m

response 80638

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 26.50  | 25.60  |
| 125.00 | 18.50  | 17.57  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071624\  
 Data File : BN032779.D  
 Acq On : 17 Jul 2024 14:49  
 Operator : MA/JU  
 Sample : P3177-01DL 5X  
 Misc :  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A4BR9DL

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/18/2024  
 Supervised By :mohammad ahmed 07/19/2024

Quant Time: Jul 17 15:53:51 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN071224.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 17 02:35:25 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.544  | 152  | 4919     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.316 | 136  | 17035    | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.193 | 164  | 9068     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.953 | 188  | 17941    | 0.400 | ng/ul  | -0.01    |
| 17) Chrysene-d12            | 21.174 | 240  | 17358    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.374 | 264  | 20124m   | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.101  | 96   | 6079     | 1.029 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.922 | 152  | 1336     | 0.052 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 18.994 | 212  | 3027     | 0.054 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.365 | 128  | 5100     | 0.111 | ng/ul  | 96       |
| 7) 2-Methylnaphthalene      | 11.999 | 142  | 1385     | 0.049 | ng/ul  | 95       |
| 8) 1-Methylnaphthalene      | 12.219 | 142  | 1101     | 0.037 | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.915 | 152  | 10463    | 0.286 | ng/ul  | 98       |
| 11) Acenaphthene            | 14.258 | 153  | 4123     | 0.136 | ng/ul  | 99       |
| 12) Fluorene                | 15.257 | 166  | 4622     | 0.133 | ng/ul  | 98       |
| 15) Phenanthrene            | 16.995 | 178  | 105359   | 2.156 | ng/ul  | 99       |
| 16) Anthracene              | 17.088 | 178  | 23029    | 0.577 | ng/ul  | 98       |
| 19) Fluoranthene            | 19.027 | 202  | 261736   | 3.709 | ng/ul  | 98       |
| 20) Pyrene                  | 19.394 | 202  | 155492   | 2.129 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.156 | 228  | 124012   | 2.244 | ng/ul  | 98       |
| 22) Chrysene                | 21.209 | 228  | 140927   | 1.763 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 22.716 | 252  | 197476m  | 2.781 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.754 | 252  | 80638m   | 0.932 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.275 | 252  | 54781    | 0.892 | ng/ul  | 92       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.589 | 276  | 60247    | 0.724 | ng/ul# | 93       |
| 28) Dibenzo(a,h)anthracene  | 25.586 | 278  | 24801    | 0.385 | ng/ul# | 82       |
| 29) Benzo(g,h,i)perylene    | 26.273 | 276  | 8270     | 0.119 | ng/ul# | 63       |
| -----                       |        |      |          |       |        |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071624\  
Data File : BN032779.D  
Acq On : 17 Jul 2024 14:49  
Operator : MA/JU  
Sample : P3177-01DL 5X  
Misc :  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A4BR9DL

## Manual IntegrationsAPPROVED

Quant Time: Jul 17 15:53:51 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN071224.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 17 02:35:25 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/18/2024  
Supervised By :mohammad ahmed 07/19/2024

