

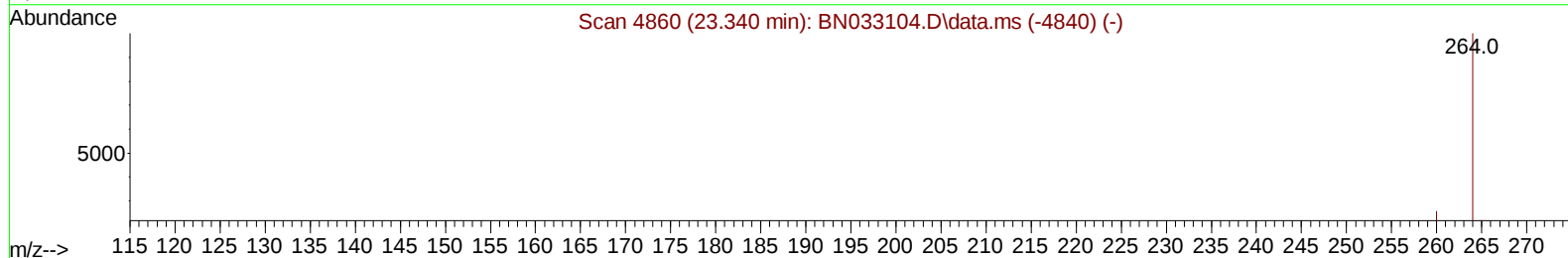
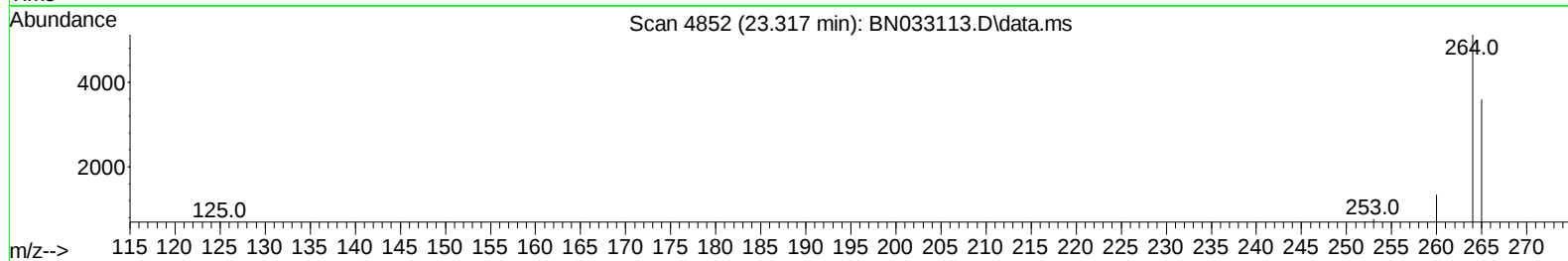
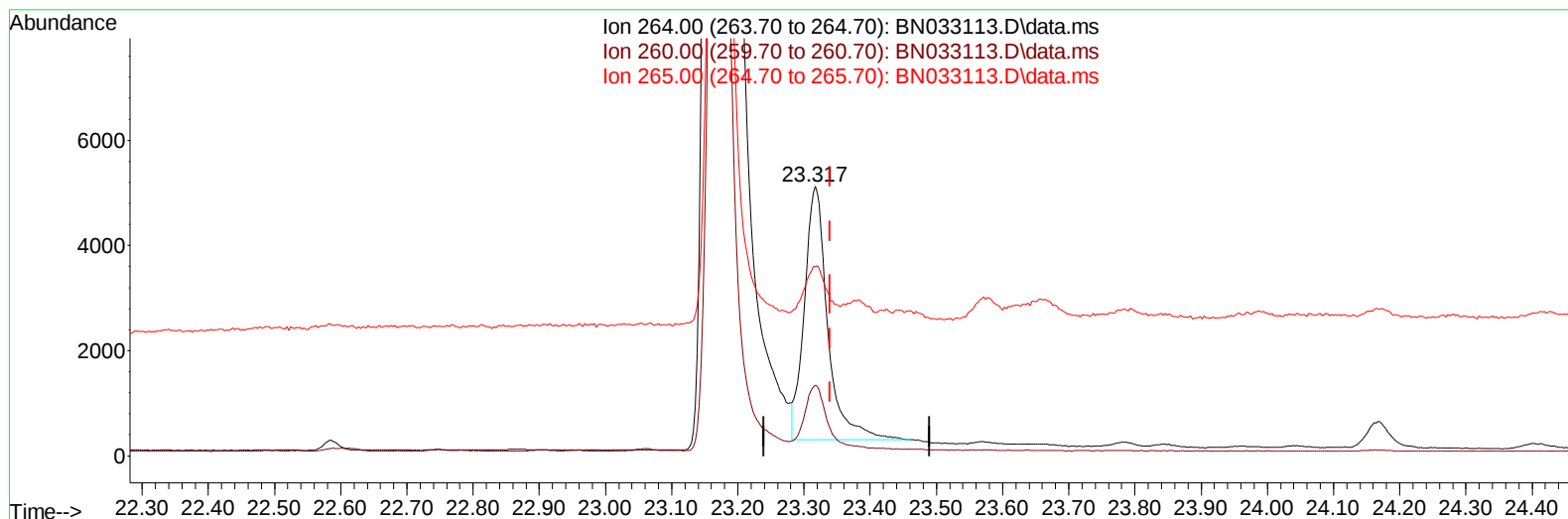
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033113.D  
Acq On : 30 Jul 2024 19:16  
Operator : MA/JU  
Sample : P3336-09DL 5X  
Misc :  
ALS Vial : 47 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F7E37DL

Manual IntegrationsAPPROVED

Quant Time: Jul 30 23:57:56 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 : Tue Jul 30 14:49:49 2024  
Response via : Initial Calibration

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



TIC: BN033113.D\data.ms

(23) Perylene-d12 (I)

23.317min (-0.023) 0.40 ng/u1

response 11726

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 26.50  | 26.22  |
| 265.00 | 80.60  | 70.07  |
| 0.00   | 0.00   | 0.00   |

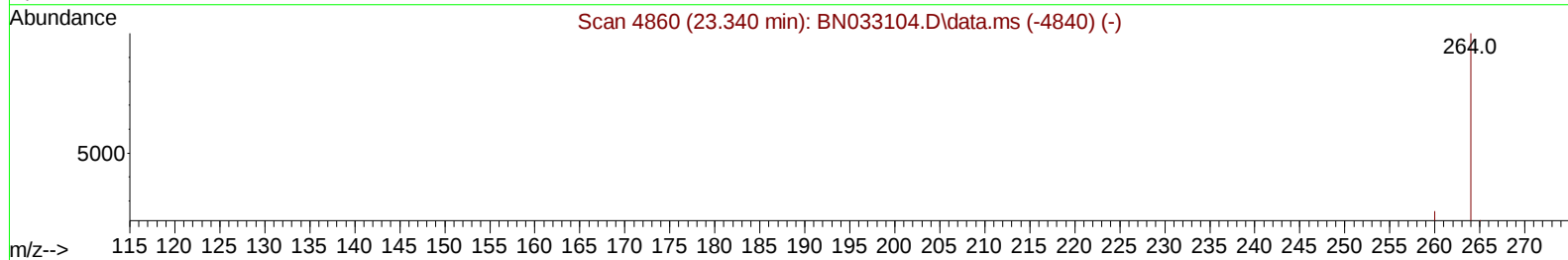
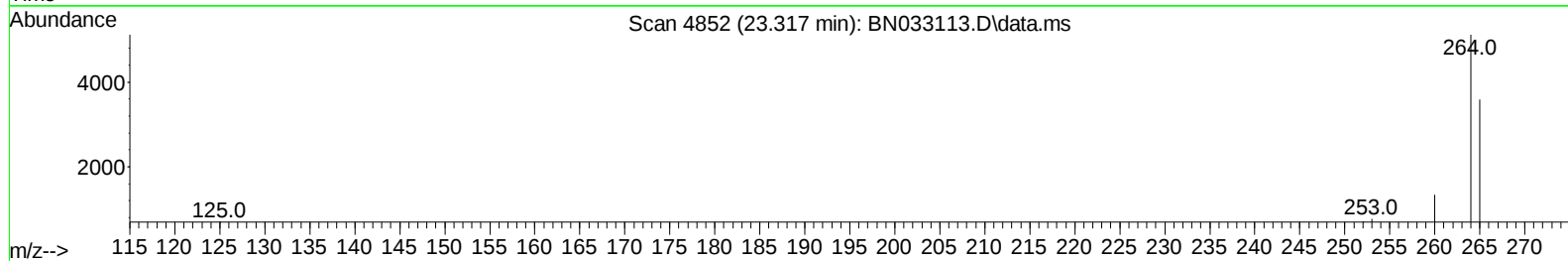
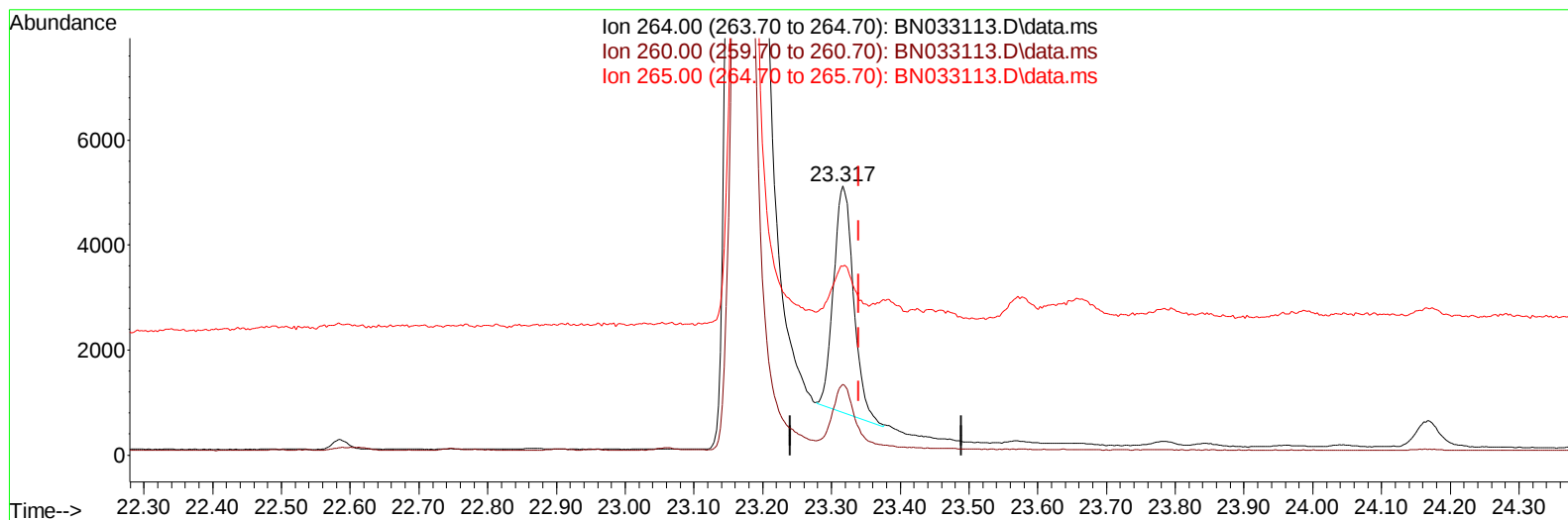
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033113.D  
Acq On : 30 Jul 2024 19:16  
Operator : MA/JU  
Sample : P3336-09DL 5X  
Misc :  
ALS Vial : 47 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F7E37DL

Manual IntegrationsAPPROVED

Quant Time: Jul 30 23:57:56 2024  
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TIC: BN033113.D\data.ms

(23) Perylene-d12 (I)

23.317min (-0.023) 0.40 ng/u1 m

response 8742

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 26.50  | 26.22  |
| 265.00 | 80.60  | 70.07  |
| 0.00   | 0.00   | 0.00   |

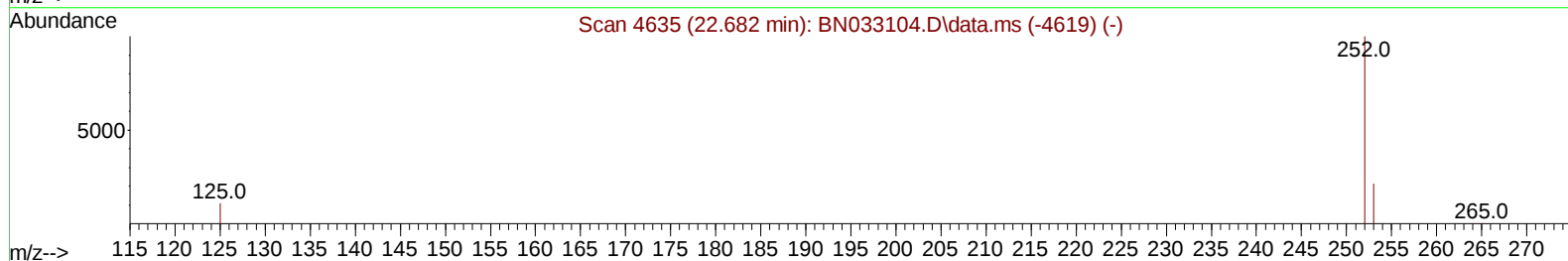
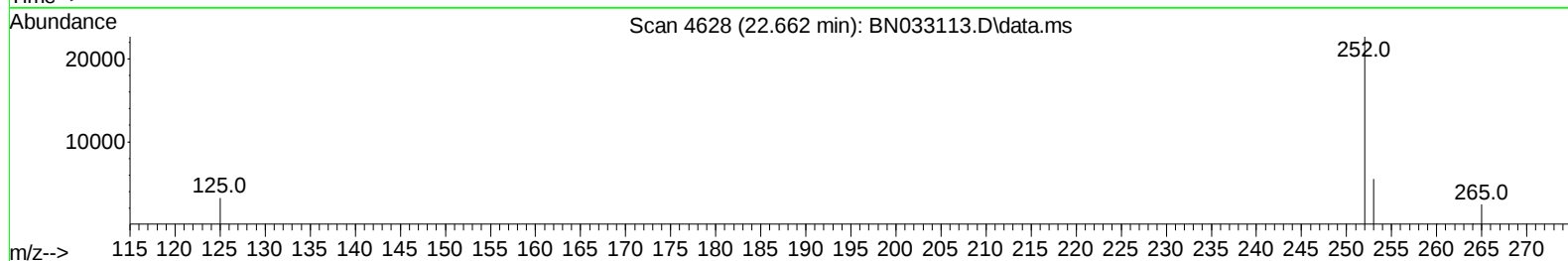
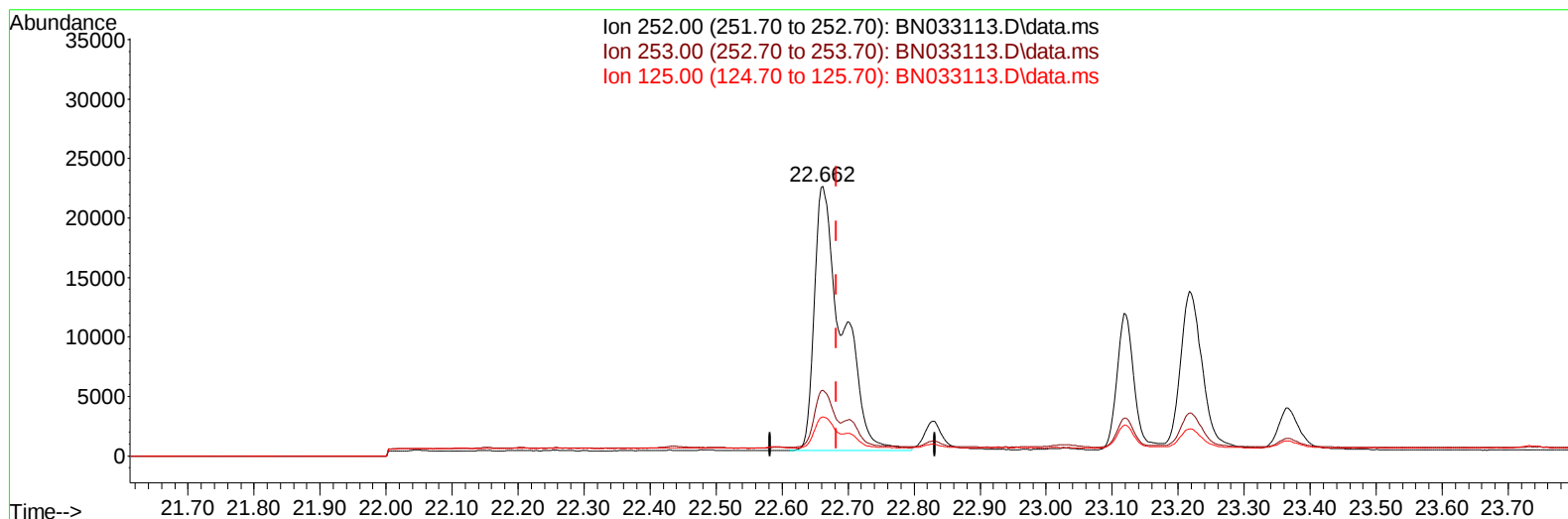
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033113.D  
Acq On : 30 Jul 2024 19:16  
Operator : MA/JU  
Sample : P3336-09DL 5X  
Misc :  
ALS Vial : 47 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F7E37DL

Manual IntegrationsAPPROVED

Quant Time: Jul 30 23:57:56 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
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QLast Update : Tue Jul 30 14:49:49 2024  
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TIC: BN033113.D\data.ms

(24) Benzo(b)fluoranthene

22.662min (-0.020) 2.58 ng/u1

response 65912

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 30.30  | 24.38  |
| 125.00 | 25.50  | 14.43  |
| 0.00   | 0.00   | 0.00   |

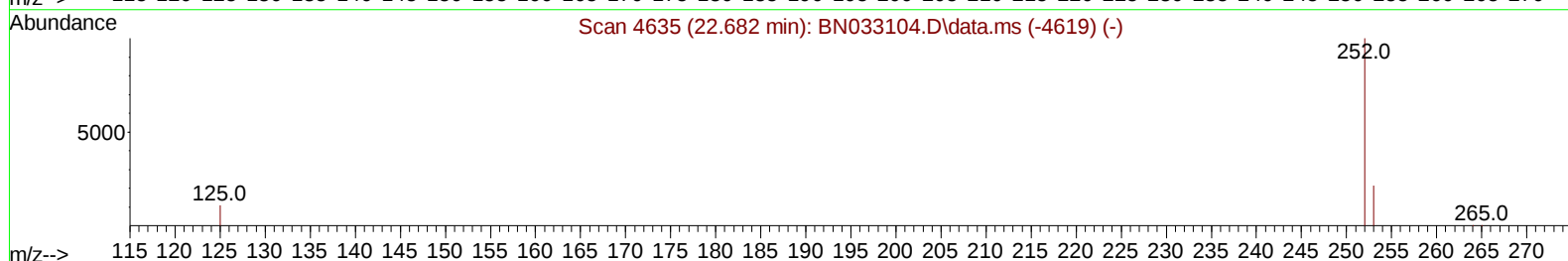
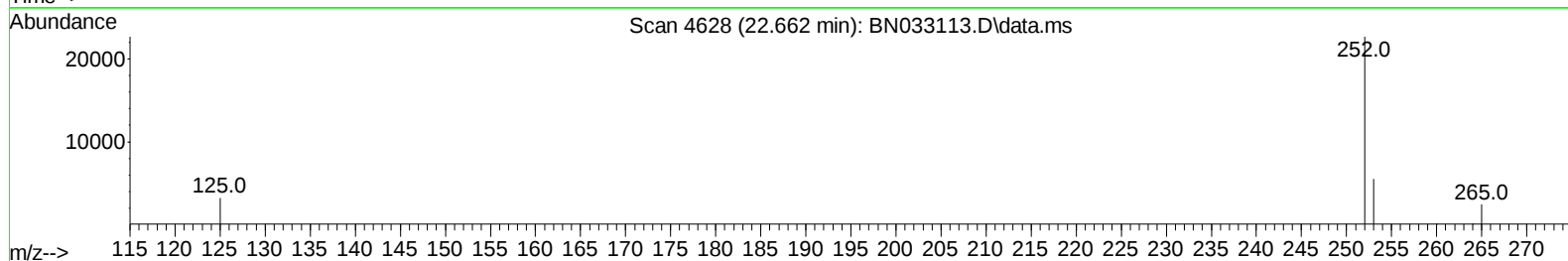
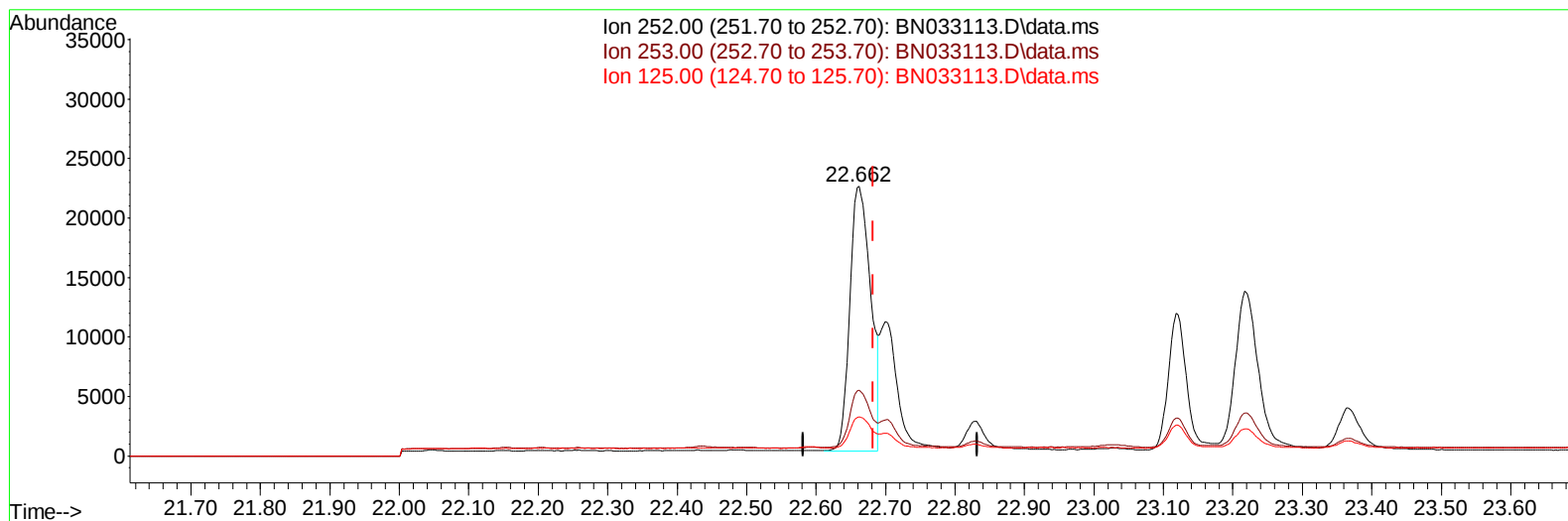
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033113.D  
Acq On : 30 Jul 2024 19:16  
Operator : MA/JU  
Sample : P3336-09DL 5X  
Misc :  
ALS Vial : 47 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F7E37DL

Manual IntegrationsAPPROVED

Quant Time: Jul 30 23:57:56 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
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QLast Update : Tue Jul 30 14:49:49 2024  
Response via : Initial Calibration

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



TIC: BN033113.D\data.ms

(24) Benzo(b)fluoranthene

22.662min (-0.020) 1.81 ng/u1 m

response 46274

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 30.30  | 24.38  |
| 125.00 | 25.50  | 14.43  |
| 0.00   | 0.00   | 0.00   |

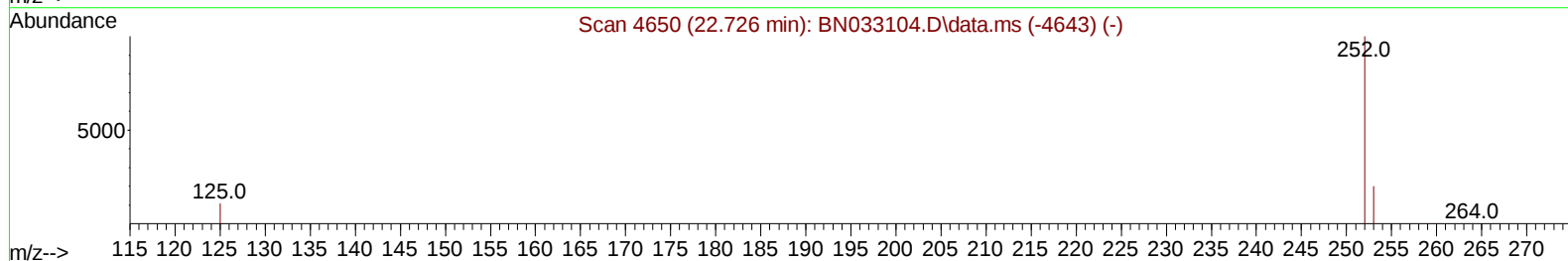
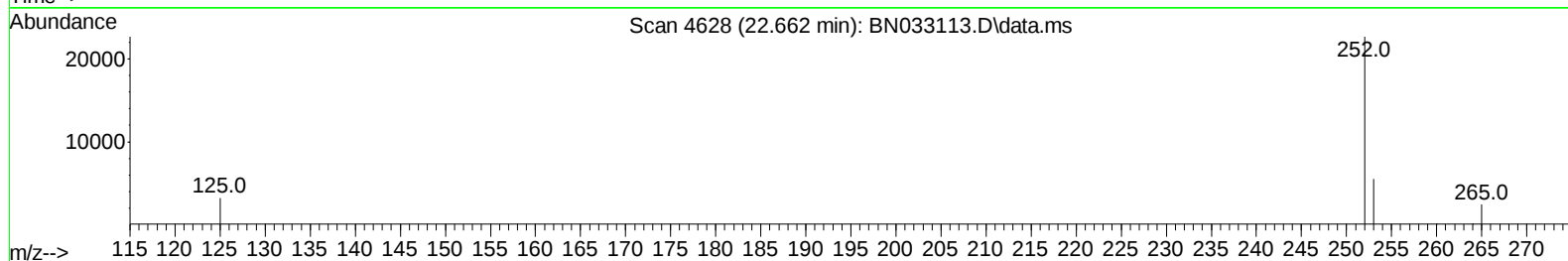
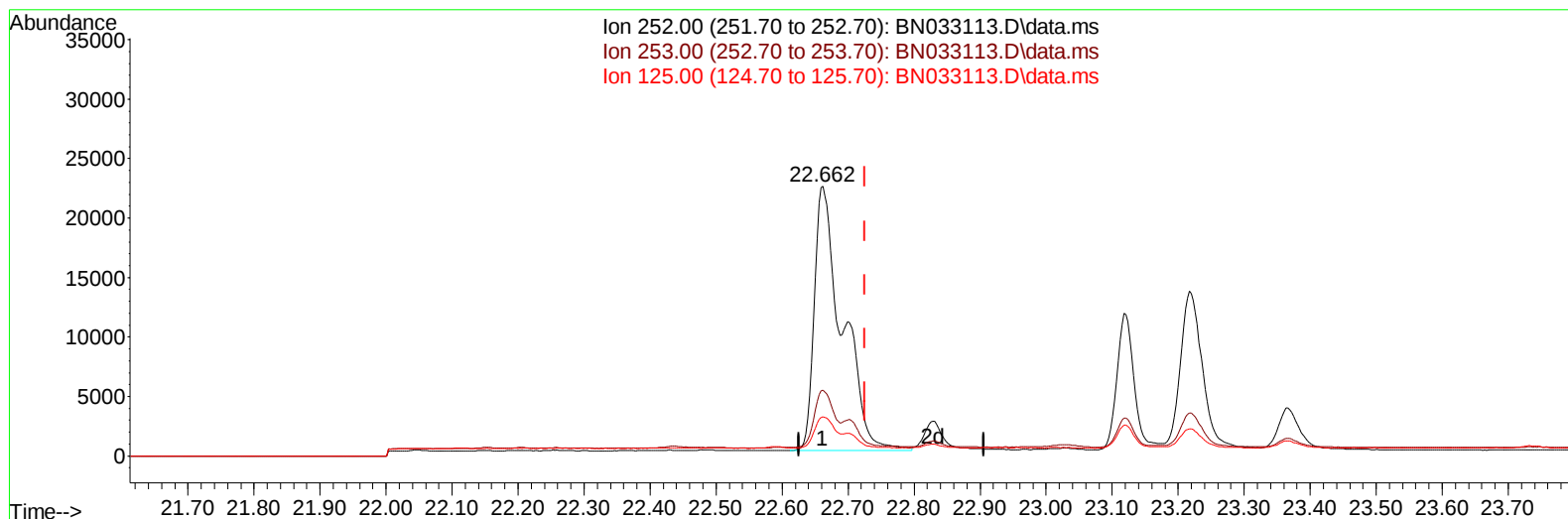
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033113.D  
Acq On : 30 Jul 2024 19:16  
Operator : MA/JU  
Sample : P3336-09DL 5X  
Misc :  
ALS Vial : 47 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F7E37DL

Manual IntegrationsAPPROVED

Quant Time: Jul 30 23:57:56 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 : Tue Jul 30 14:49:49 2024  
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Supervised By :mohammad ahmed 07/31/2024



TIC: BN033113.D\data.ms

(25) Benzo(k)fluoranthene

22.662min (-0.064) 2.15 ng/u1

response 65912

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 31.10  | 24.38# |
| 125.00 | 26.10  | 14.43# |
| 0.00   | 0.00   | 0.00   |

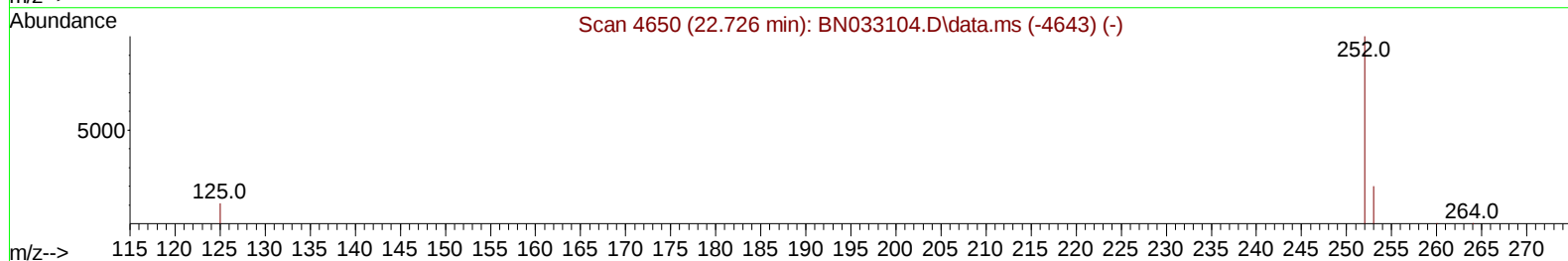
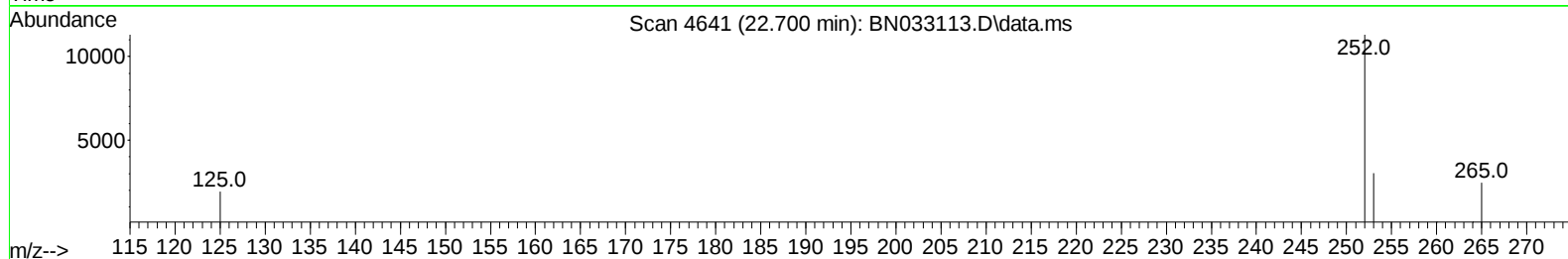
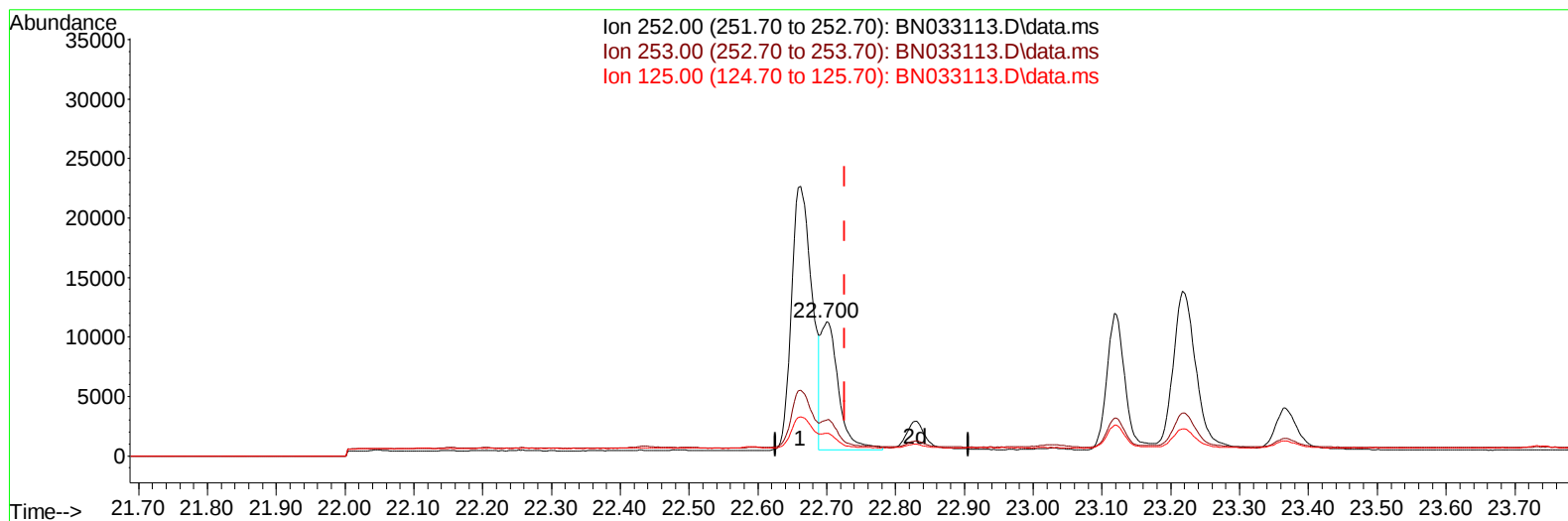
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033113.D  
Acq On : 30 Jul 2024 19:16  
Operator : MA/JU  
Sample : P3336-09DL 5X  
Misc :  
ALS Vial : 47 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F7E37DL

Manual IntegrationsAPPROVED

Quant Time: Jul 30 23:57:56 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 : Tue Jul 30 14:49:49 2024  
Response via : Initial Calibration

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



TIC: BN033113.D\data.ms

(25) Benzo(k)fluoranthene

22.700min (-0.026) 0.63 ng/u1 m

response 19279

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 31.10  | 26.80  |
| 125.00 | 26.10  | 17.01# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
 Data File : BN033113.D  
 Acq On : 30 Jul 2024 19:16  
 Operator : MA/JU  
 Sample : P3336-09DL 5X  
 Misc :  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 F7E37DL

## Manual IntegrationsAPPROVED

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

Quant Time: Jul 30 23:57:56 2024  
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 QLast Update : Tue Jul 30 14:49:49 2024  
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| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.503  | 152  | 1854     | 0.400 | ng/ul  | -0.05    |
| 4) Naphthalene-d8           | 10.273 | 136  | 7125     | 0.400 | ng/ul  | -0.04    |
| 9) Acenaphthene-d10         | 14.143 | 164  | 4474     | 0.400 | ng/ul  | -0.02    |
| 13) Phenanthrene-d10        | 16.903 | 188  | 9981     | 0.400 | ng/ul  | -0.04    |
| 17) Chrysene-d12            | 21.134 | 240  | 9742     | 0.400 | ng/ul  | -0.02    |
| 23) Perylene-d12            | 23.317 | 264  | 8742m    | 0.400 | ng/ul  | -0.02    |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.056  | 96   | 2239     | 0.955 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.901 | 152  | 786      | 0.068 | ng/ul  | -0.03    |
| 18) Fluoranthene-d10        | 18.949 | 212  | 2143     | 0.078 | ng/ul  | -0.02    |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.322 | 128  | 16210    | 0.886 | ng/ul# | 93       |
| 7) 2-Methylnaphthalene      | 11.978 | 142  | 1830     | 0.148 | ng/ul  | 98       |
| 8) 1-Methylnaphthalene      | 12.187 | 142  | 789      | 0.059 | ng/ul  | 97       |
| 10) Acenaphthylene          | 13.865 | 152  | 4335     | 0.237 | ng/ul  | 96       |
| 11) Acenaphthene            | 14.208 | 153  | 7949     | 0.577 | ng/ul  | 100      |
| 12) Fluorene                | 15.207 | 166  | 18106    | 1.128 | ng/ul  | 99       |
| 15) Phenanthrene            | 16.945 | 178  | 253613   | 9.473 | ng/ul  | 97       |
| 16) Anthracene              | 17.042 | 178  | 49309    | 2.049 | ng/ul  | 97       |
| 19) Fluoranthene            | 18.977 | 202  | 260161   | 8.111 | ng/ul  | 98       |
| 20) Pyrene                  | 19.344 | 202  | 191196   | 5.558 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.119 | 228  | 58662    | 1.765 | ng/ul  | 98       |
| 22) Chrysene                | 21.172 | 228  | 43266    | 1.116 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.662 | 252  | 46274m   | 1.812 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.700 | 252  | 19279m   | 0.630 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.217 | 252  | 29940    | 1.246 | ng/ul# | 78       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.520 | 276  | 14666    | 0.401 | ng/ul# | 95       |
| 28) Dibenzo(a,h)anthracene  | 25.517 | 278  | 3412     | 0.118 | ng/ul# | 75       |
| 29) Benzo(g,h,i)perylene    | 26.194 | 276  | 13623    | 0.469 | ng/ul  | 97       |
| -----                       |        |      |          |       |        |          |

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

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Sample : P3336-09DL 5X  
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Instrument :  
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F7E37DL

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