

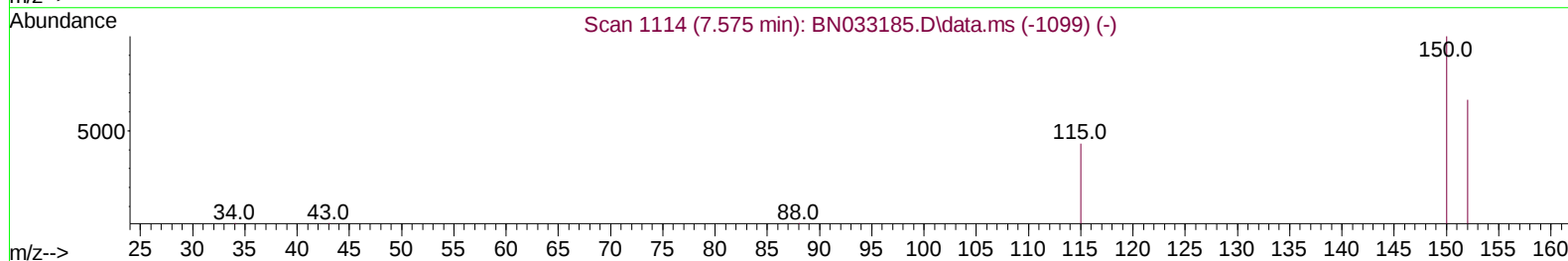
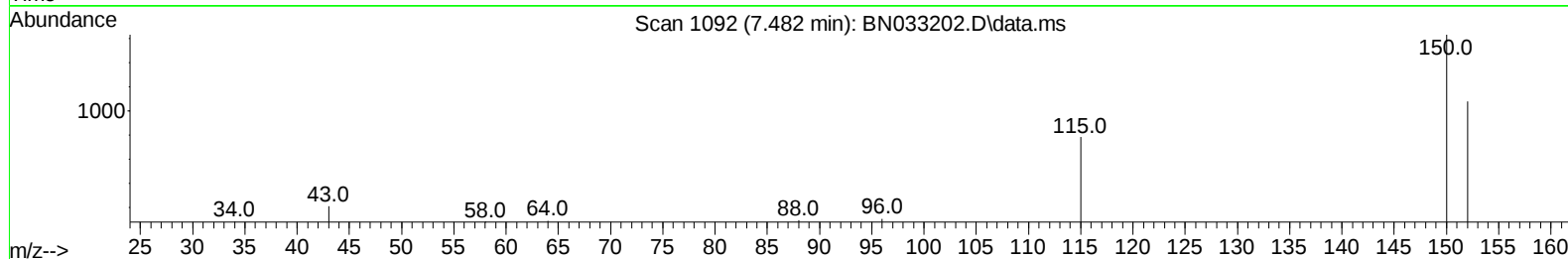
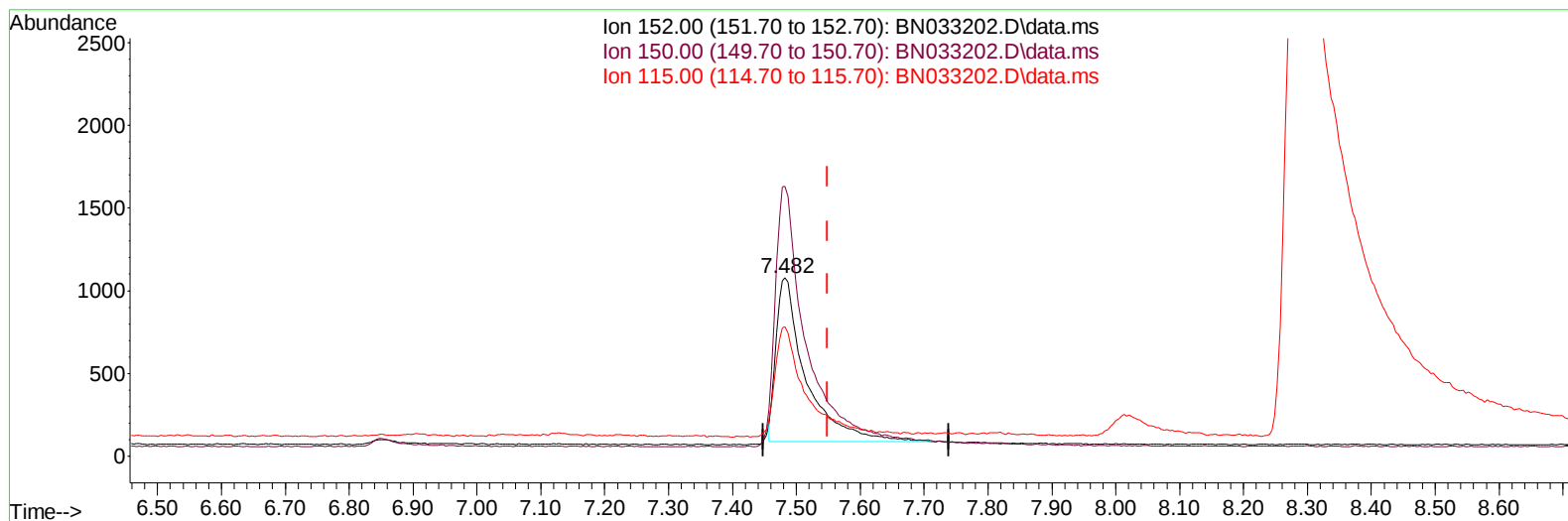
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN080224\  
Data File : BN033202.D  
Acq On : 02 Aug 2024 12:59  
Operator : MA/JU  
Sample : P3265-07DL 5X  
Misc :  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A4D40DL

Manual IntegrationsAPPROVED

Quant Time: Aug 02 13:35:25 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 08/03/2024  
Supervised By :mohammad ahmed 08/03/2024



TIC: BN033202.D\data.ms

(1) 1,4-Dichlorobenzene-d4 (I)

7.482min (-0.067) 0.40 ng/u1

response 3207

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 152.00 | 100.00 | 100.00 |
| 150.00 | 143.10 | 151.30 |
| 115.00 | 84.50  | 72.45  |
| 0.00   | 0.00   | 0.00   |

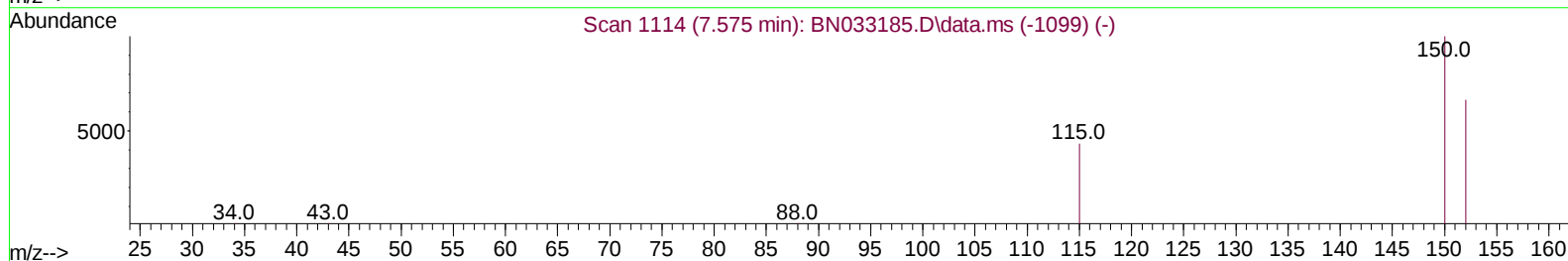
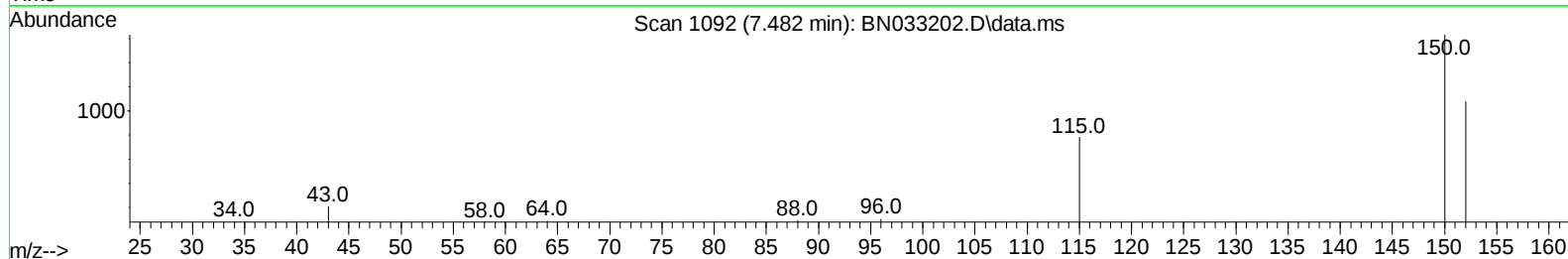
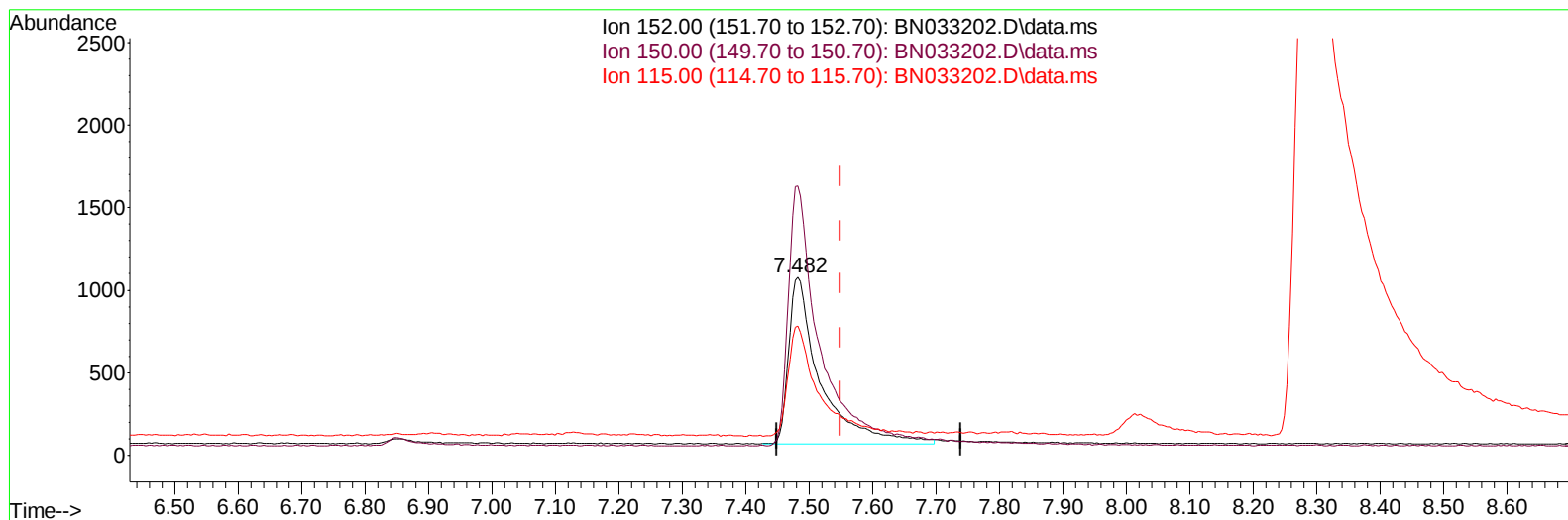
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## Manual IntegrationsAPPROVED

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TIC: BN033202.D\data.ms

## (1) 1,4-Dichlorobenzene-d4 (I)

7.482min (-0.067) 0.40 ng/ul m

response 3551

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 152.00 | 100.00 | 100.00 |
| 150.00 | 143.10 | 151.30 |
| 115.00 | 84.50  | 72.45  |
| 0.00   | 0.00   | 0.00   |

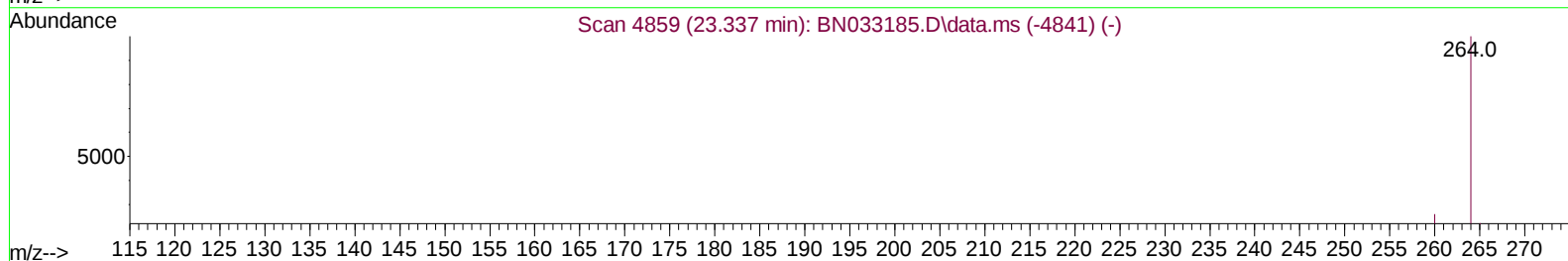
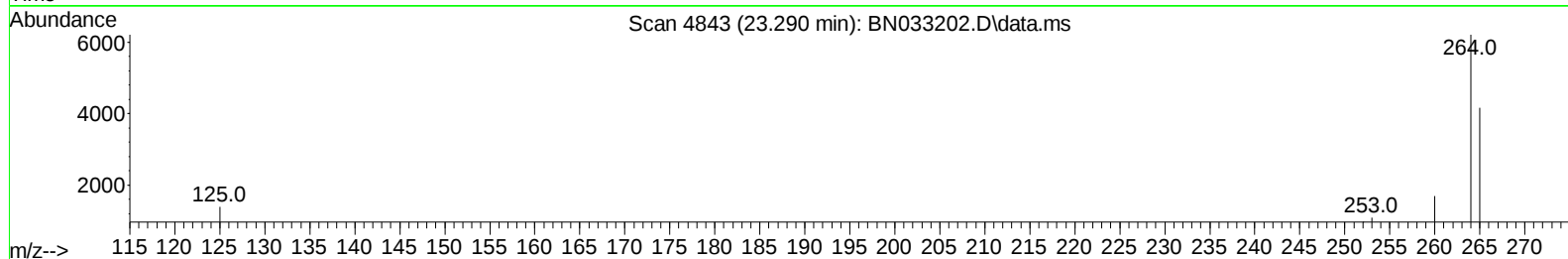
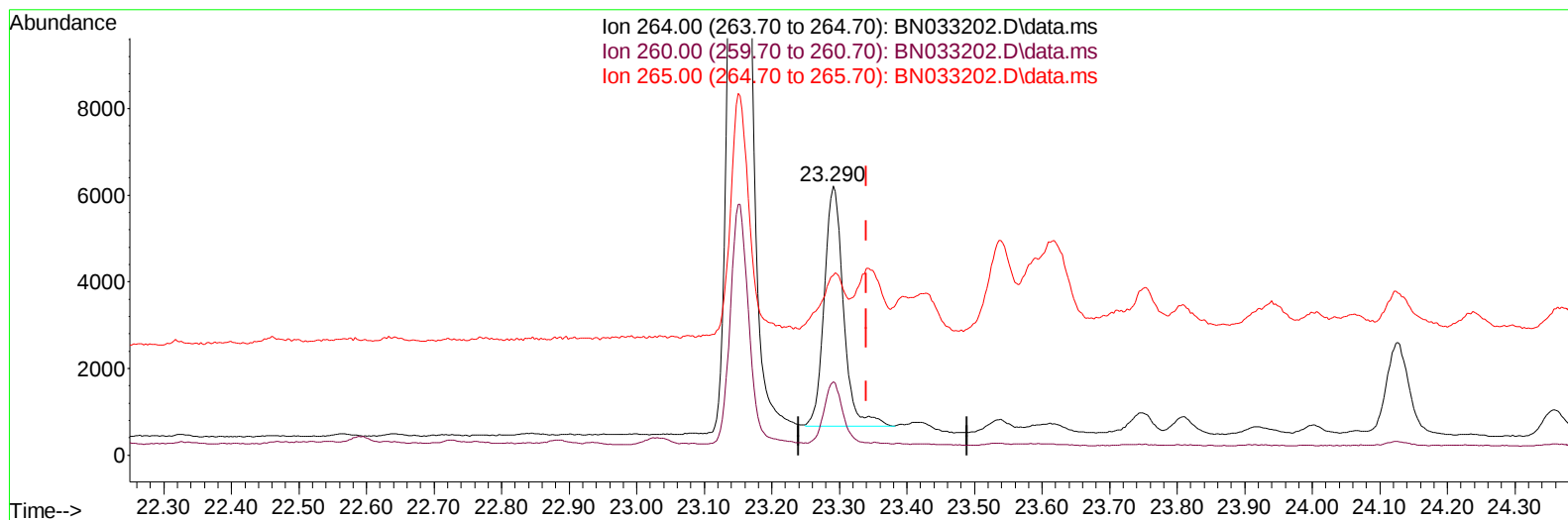
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ALS Vial : 36 Sample Multiplier: 1

Instrument :  
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TIC: BN033202.D\data.ms

(23) Perylene-d12 (I)

23.290min (-0.049) 0.40 ng/u1

response 10957

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 26.50  | 27.16  |
| 265.00 | 80.60  | 66.95  |
| 0.00   | 0.00   | 0.00   |

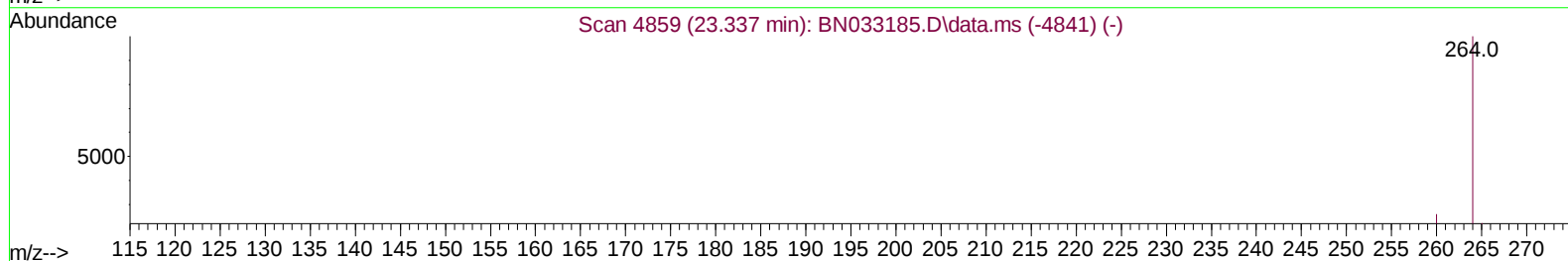
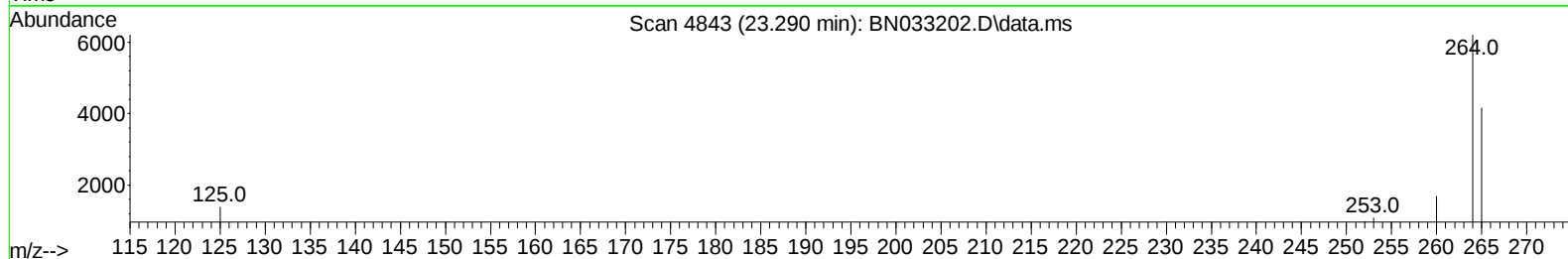
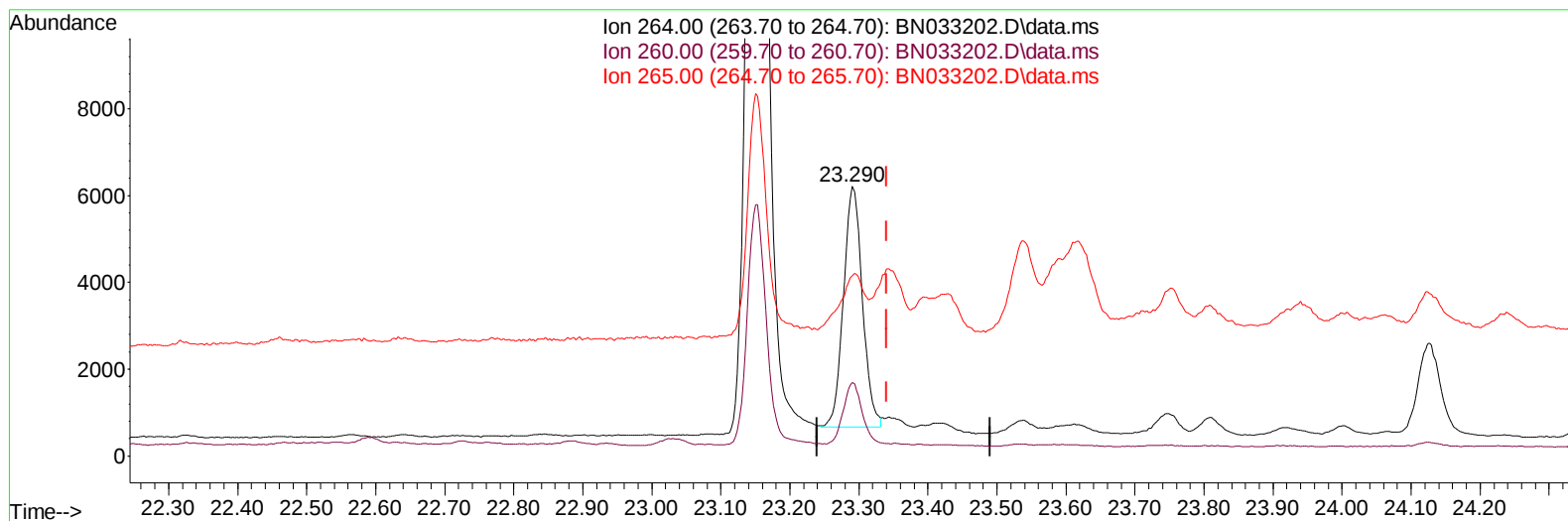
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN080224\  
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ALS Vial : 36 Sample Multiplier: 1

Instrument :  
BNA\_N  
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Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 08/03/2024



TIC: BN033202.D\data.ms

(23) Perylene-d12 (I)

23.290min (-0.049) 0.40 ng/ul m

response 10523

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 26.50  | 27.16  |
| 265.00 | 80.60  | 66.95  |
| 0.00   | 0.00   | 0.00   |

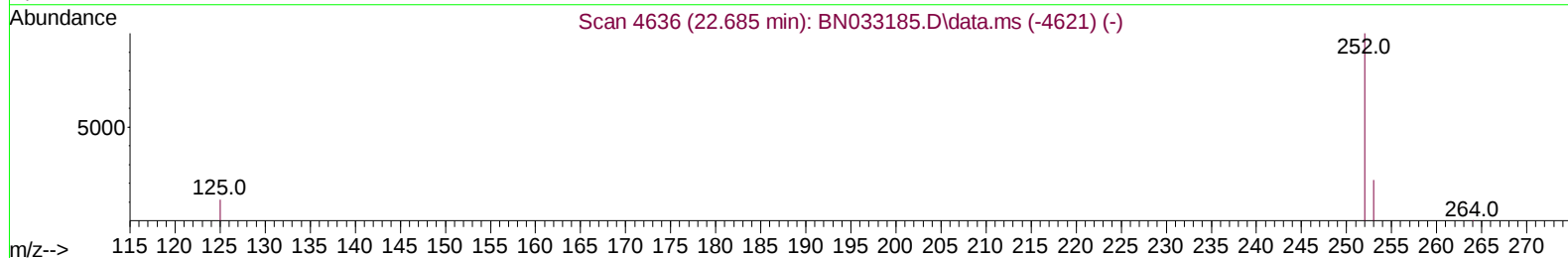
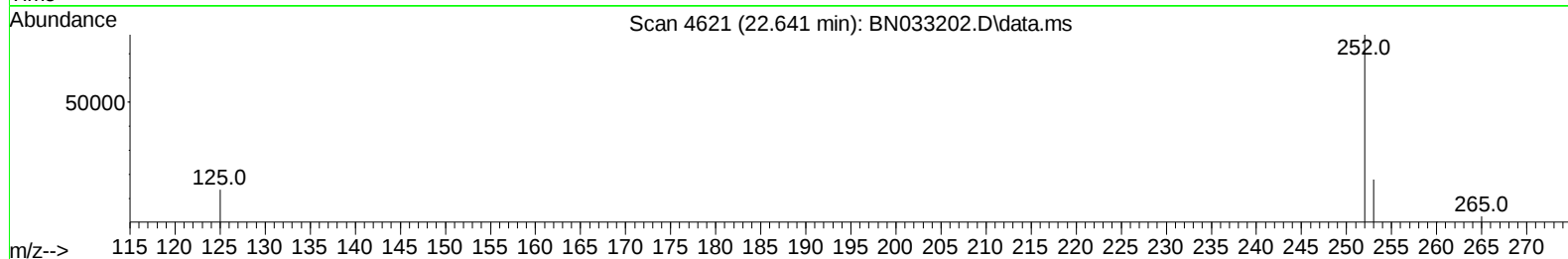
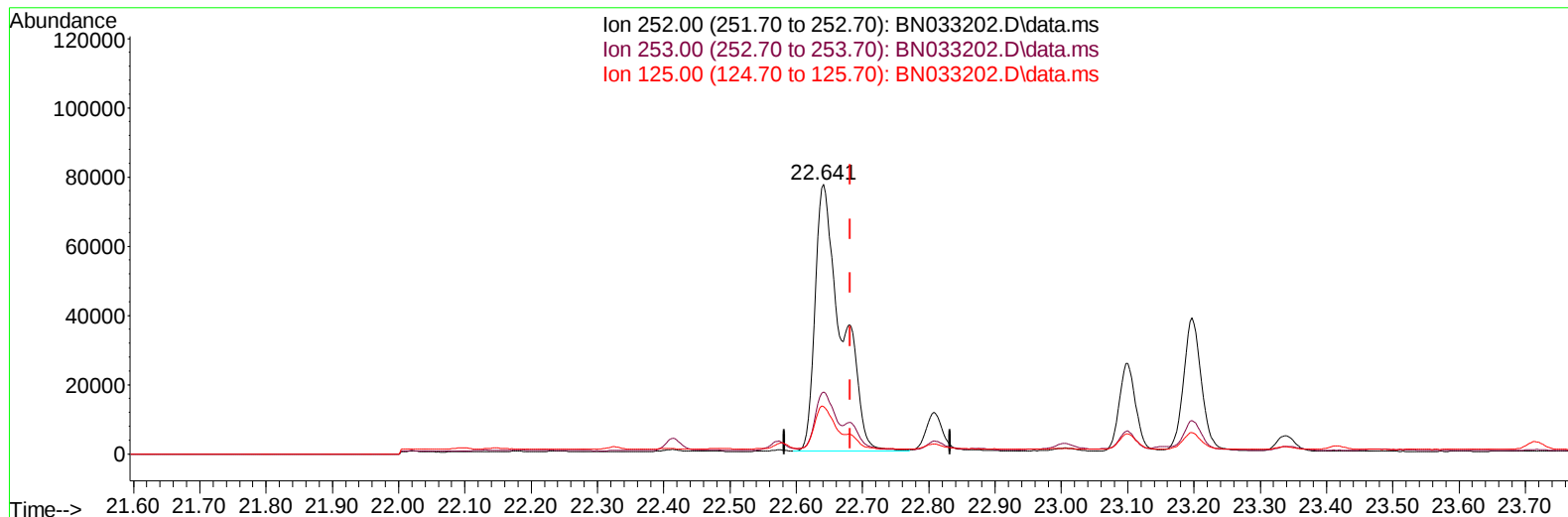
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN080224\  
Data File : BN033202.D  
Acq On : 02 Aug 2024 12:59  
Operator : MA/JU  
Sample : P3265-07DL 5X  
Misc :  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A4D40DL

Manual IntegrationsAPPROVED

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TIC: BN033202.D\data.ms

(24) Benzo(b)fluoranthene

22.641min (-0.041) 6.97 ng/u1

response 214204

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 30.30  | 23.01  |
| 125.00 | 25.50  | 17.70  |
| 0.00   | 0.00   | 0.00   |

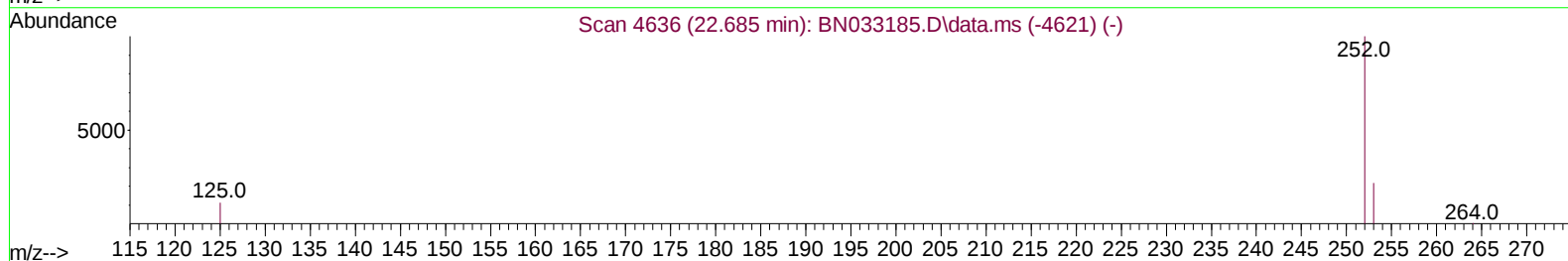
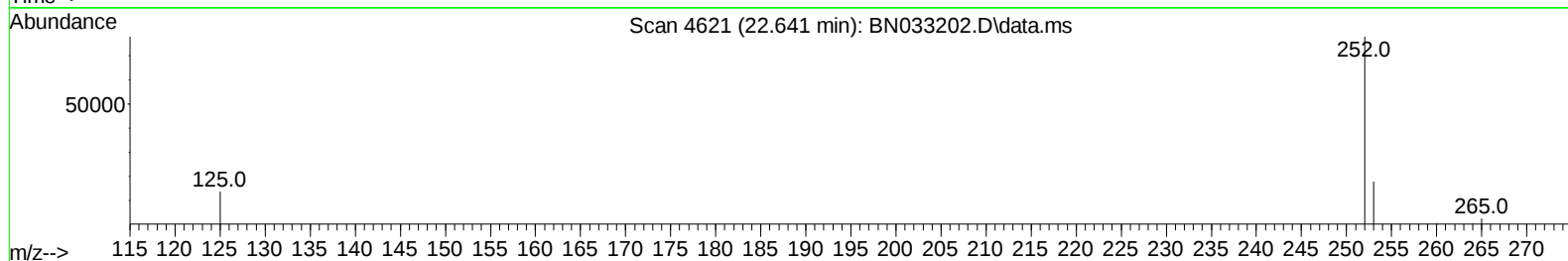
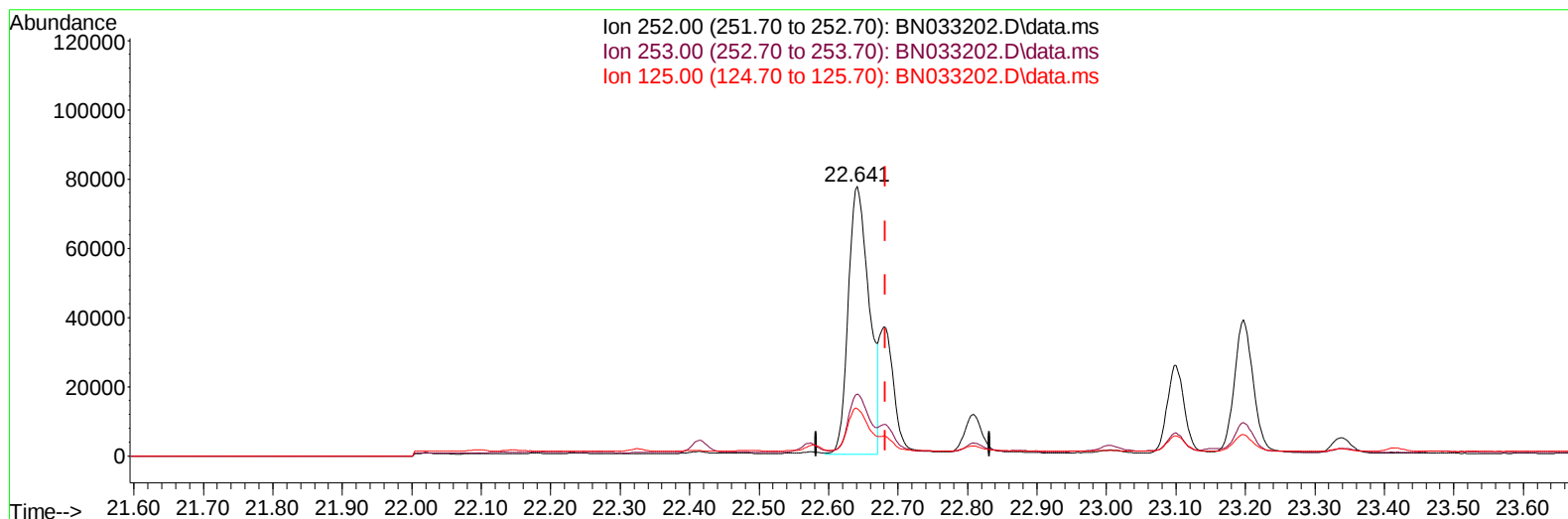
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN080224\  
Data File : BN033202.D  
Acq On : 02 Aug 2024 12:59  
Operator : MA/JU  
Sample : P3265-07DL 5X  
Misc :  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A4D40DL

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/03/2024  
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TIC: BN033202.D\data.ms

## (24) Benzo(b)fluoranthene

22.641min (-0.041) 5.28 ng/u1 m

response 162377

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 30.30  | 23.01  |
| 125.00 | 25.50  | 17.70  |
| 0.00   | 0.00   | 0.00   |

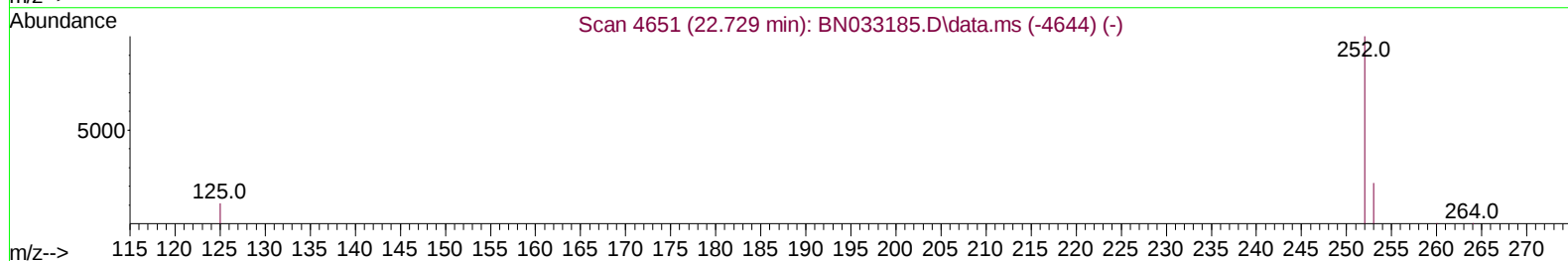
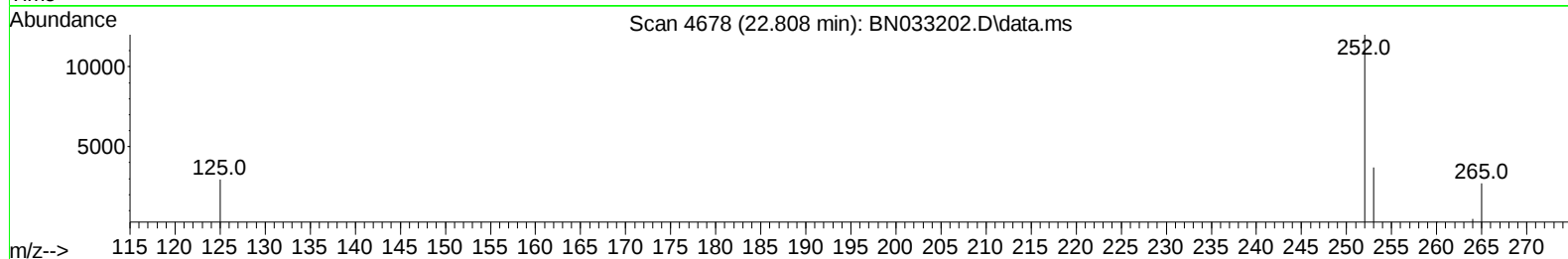
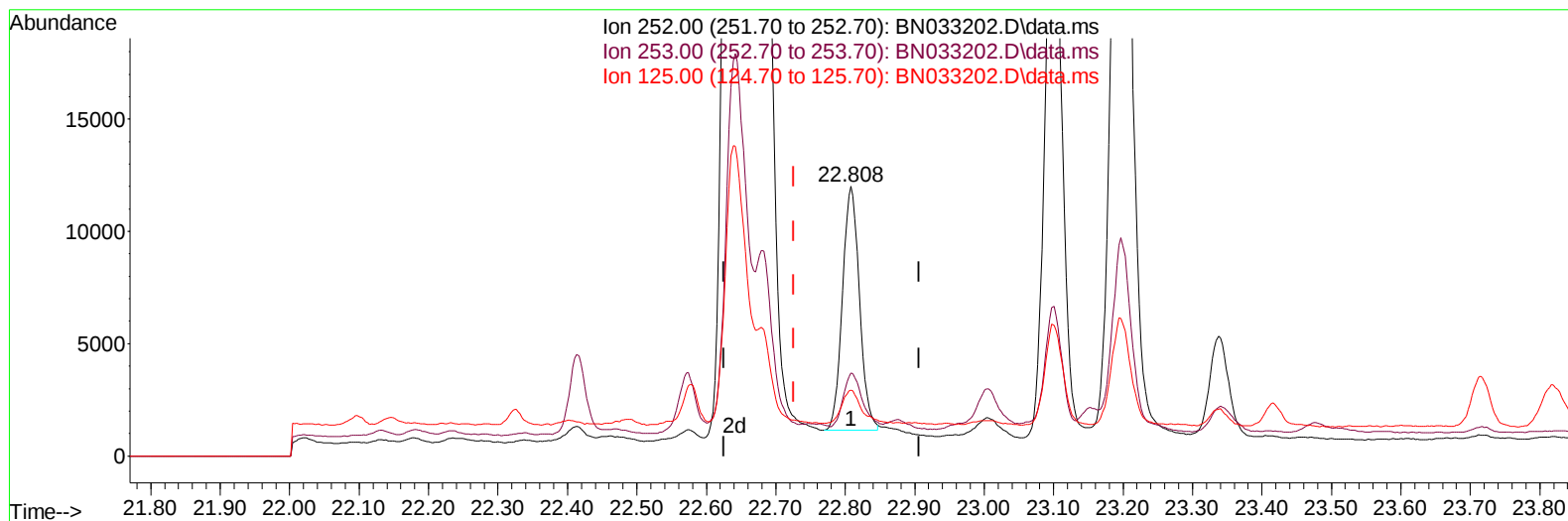
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN080224\  
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 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A4D40DL

Manual IntegrationsAPPROVED

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TIC: BN033202.D\data.ms

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

22.808min (+ 0.082) 0.50 ng/u1

response 18490

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 31.10  | 30.89  |
| 125.00 | 26.10  | 24.44  |
| 0.00   | 0.00   | 0.00   |

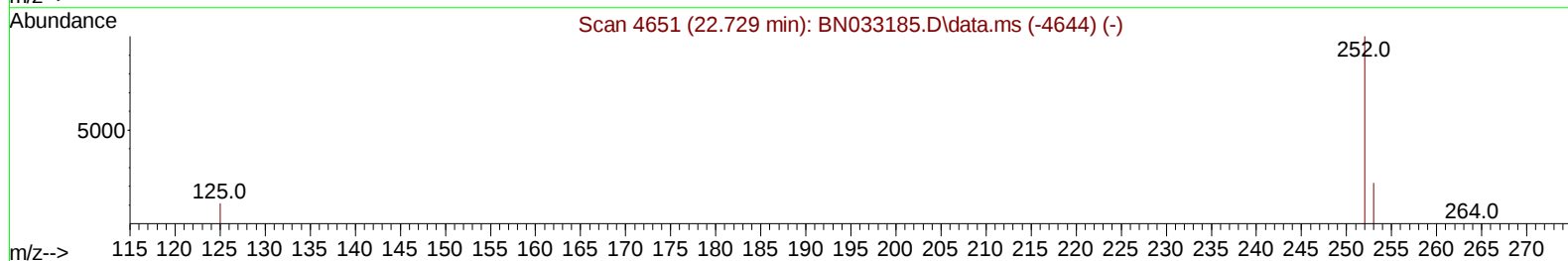
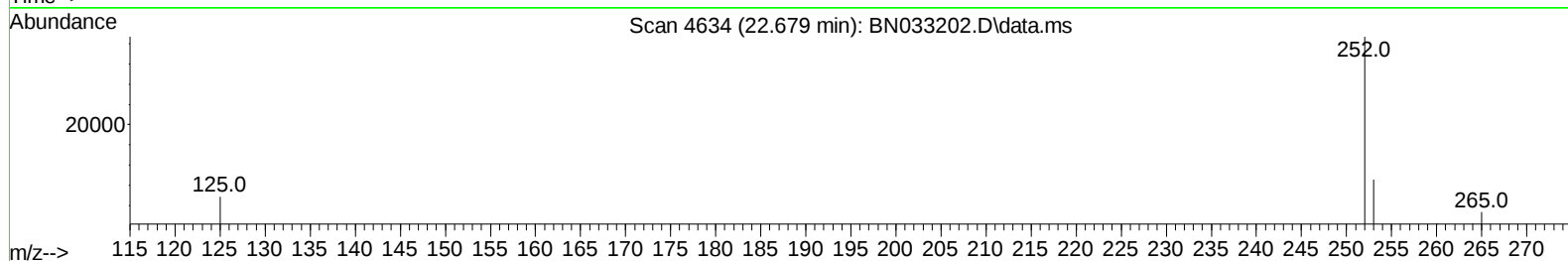
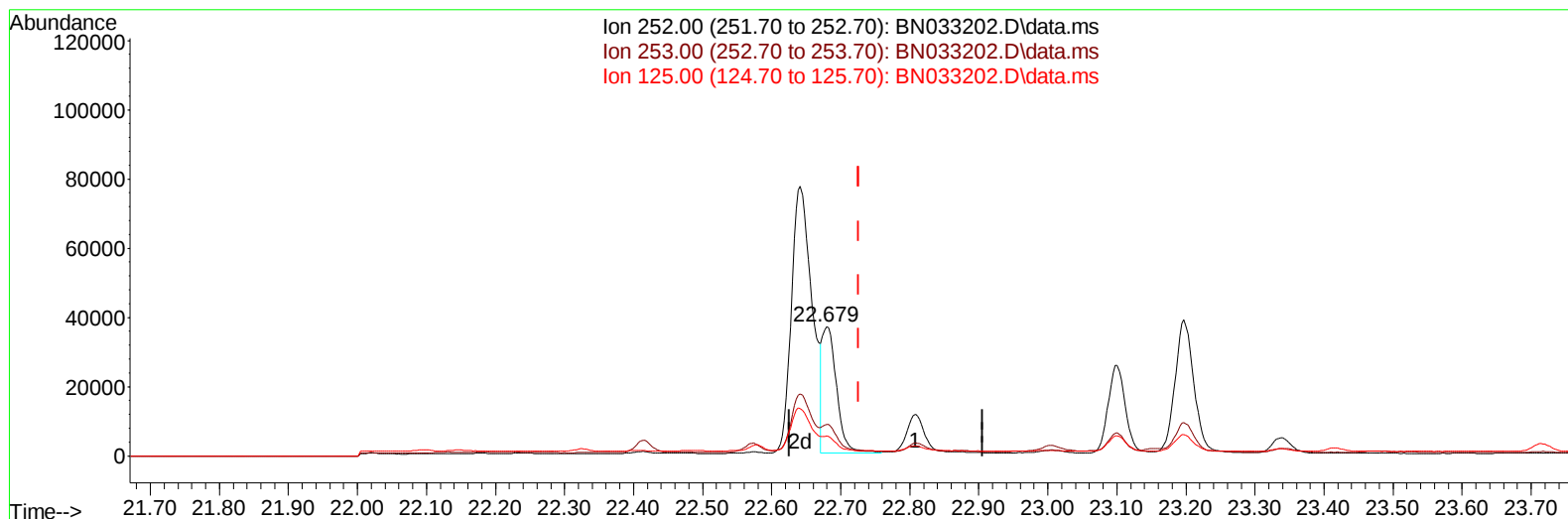
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Data File : BN033202.D  
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Operator : MA/JU  
Sample : P3265-07DL 5X  
Misc :  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A4D40DL

Manual IntegrationsAPPROVED

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TIC: BN033202.D\data.ms

(25) Benzo(k)fluoranthene

22.679min (-0.047) 1.44 ng/u1 m

response 53136

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 31.10  | 24.48# |
| 125.00 | 26.10  | 15.33# |
| 0.00   | 0.00   | 0.00   |

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 Sample : P3265-07DL 5X  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

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| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.482  | 152  | 3551m    | 0.400  | ng/ul  | -0.07    |
| 4) Naphthalene-d8           | 10.256 | 136  | 10911    | 0.400  | ng/ul  | -0.06    |
| 9) Acenaphthene-d10         | 14.125 | 164  | 6304     | 0.400  | ng/ul  | -0.04    |
| 13) Phenanthrene-d10        | 16.890 | 188  | 13019    | 0.400  | ng/ul  | -0.05    |
| 17) Chrysene-d12            | 21.113 | 240  | 9399     | 0.400  | ng/ul  | #-0.04   |
| 23) Perylene-d12            | 23.290 | 264  | 10523m   | 0.400  | ng/ul  | -0.05    |
|                             |        |      |          |        |        |          |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.052  | 96   | 1664     | 0.370  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.879 | 152  | 389      | 0.022  | ng/ul  | -0.05    |
| 18) Fluoranthene-d10        | 18.930 | 212  | 843      | 0.032  | ng/ul  | -0.04    |
|                             |        |      |          |        |        |          |
| Target Compounds            |        |      |          | Qvalue |        |          |
| 5) Naphthalene              | 10.311 | 128  | 3835     | 0.137  | ng/ul# | 93       |
| 7) 2-Methylnaphthalene      | 11.956 | 142  | 1268     | 0.067  | ng/ul  | 96       |
| 8) 1-Methylnaphthalene      | 12.159 | 142  | 967      | 0.047  | ng/ul  | 100      |
| 10) Acenaphthylene          | 13.852 | 152  | 7105     | 0.275  | ng/ul  | 99       |
| 11) Acenaphthene            | 14.189 | 153  | 5056     | 0.261  | ng/ul  | 99       |
| 12) Fluorene                | 15.193 | 166  | 5134     | 0.227  | ng/ul  | 98       |
| 15) Phenanthrene            | 16.928 | 178  | 124567   | 3.567  | ng/ul  | 97       |
| 16) Anthracene              | 17.026 | 178  | 22521    | 0.717  | ng/ul  | 98       |
| 19) Fluoranthene            | 18.963 | 202  | 256919   | 8.302  | ng/ul  | 96       |
| 20) Pyrene                  | 19.330 | 202  | 198080   | 5.969  | ng/ul  | 96       |
| 21) Benzo(a)anthracene      | 21.099 | 228  | 96305    | 3.004  | ng/ul  | 100      |
| 22) Chrysene                | 21.151 | 228  | 111975   | 2.993  | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.641 | 252  | 162377m  | 5.282  | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.679 | 252  | 53136m   | 1.442  | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.197 | 252  | 72776    | 2.516  | ng/ul# | 76       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.470 | 276  | 73078    | 1.661  | ng/ul# | 91       |
| 28) Dibenzo(a,h)anthracene  | 25.460 | 278  | 19620    | 0.563  | ng/ul  | 98       |
| 29) Benzo(g,h,i)perylene    | 26.147 | 276  | 12033    | 0.344  | ng/ul# | 90       |
| -----                       |        |      |          |        |        |          |

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

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