

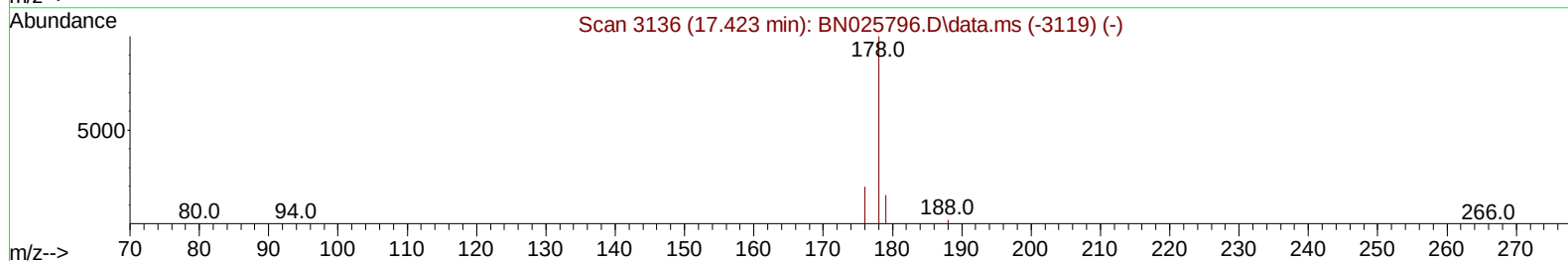
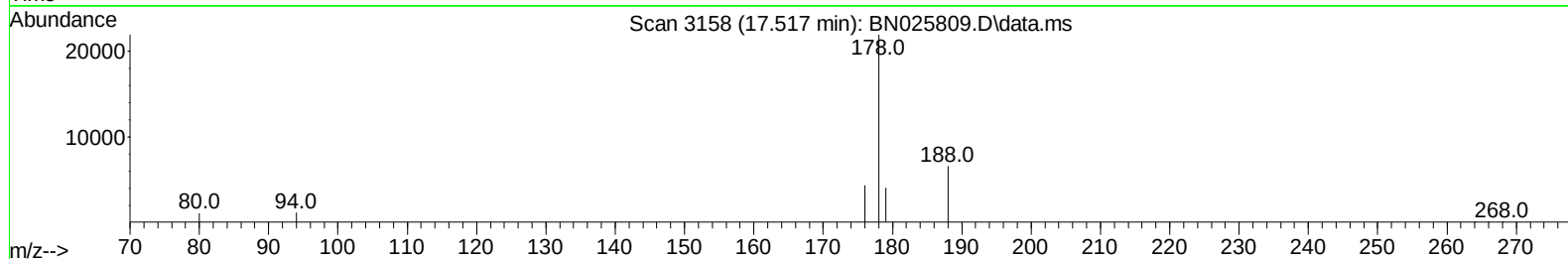
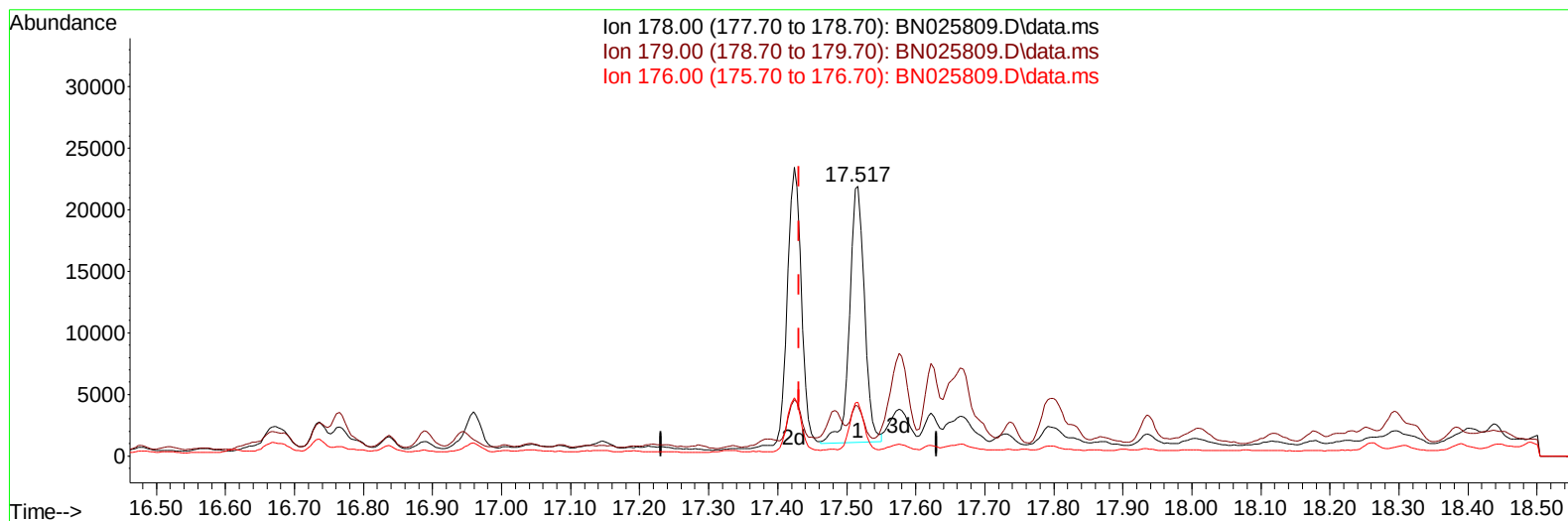
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061323\  
 Data File : BN025809.D  
 Acq On : 13 Jun 2023 16:44  
 Operator : MA/JU  
 Sample : 02950-08  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EW985

Manual IntegrationsAPPROVED

Quant Time: Jun 13 23:17:34 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN060923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jun 10 02:01:49 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/14/2023  
 Supervised By :mohammad ahmed 06/14/2023



TIC: BN025809.D\data.ms

(15) Phenanthrene

17.517min (+ 0.085) 0.38 ng/u1

response 31469

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 179.00 | 15.70  | 18.58  |
| 176.00 | 19.80  | 19.88  |
| 0.00   | 0.00   | 0.00   |

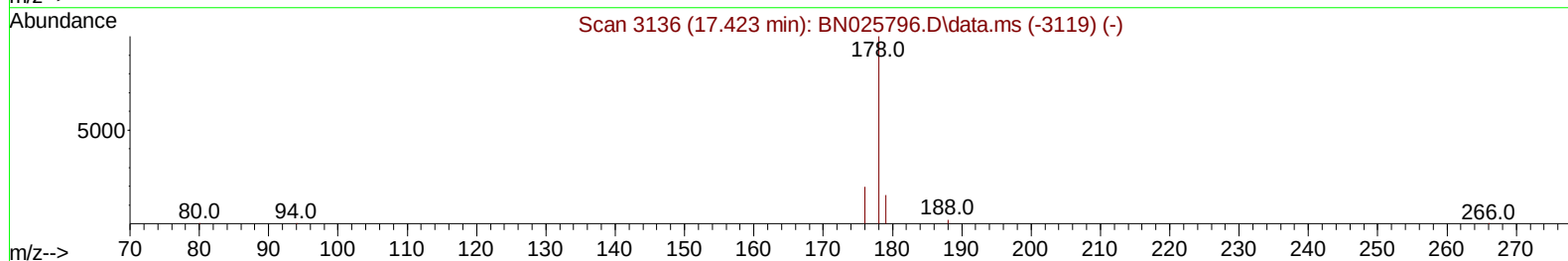
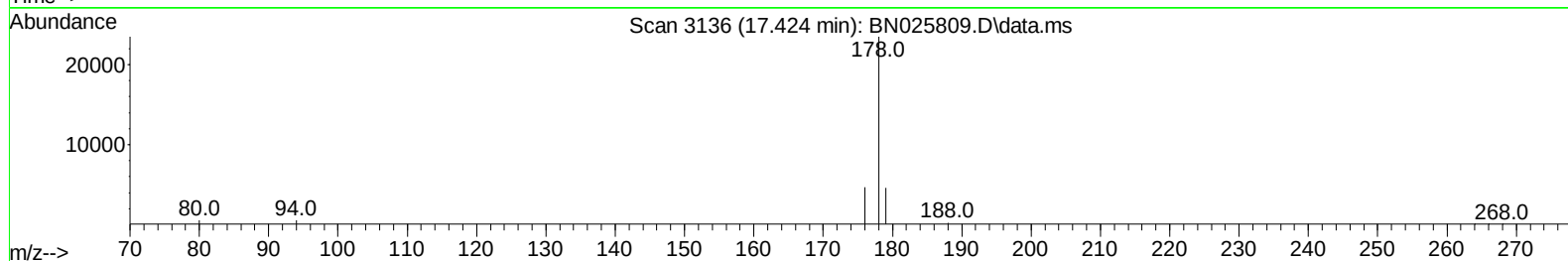
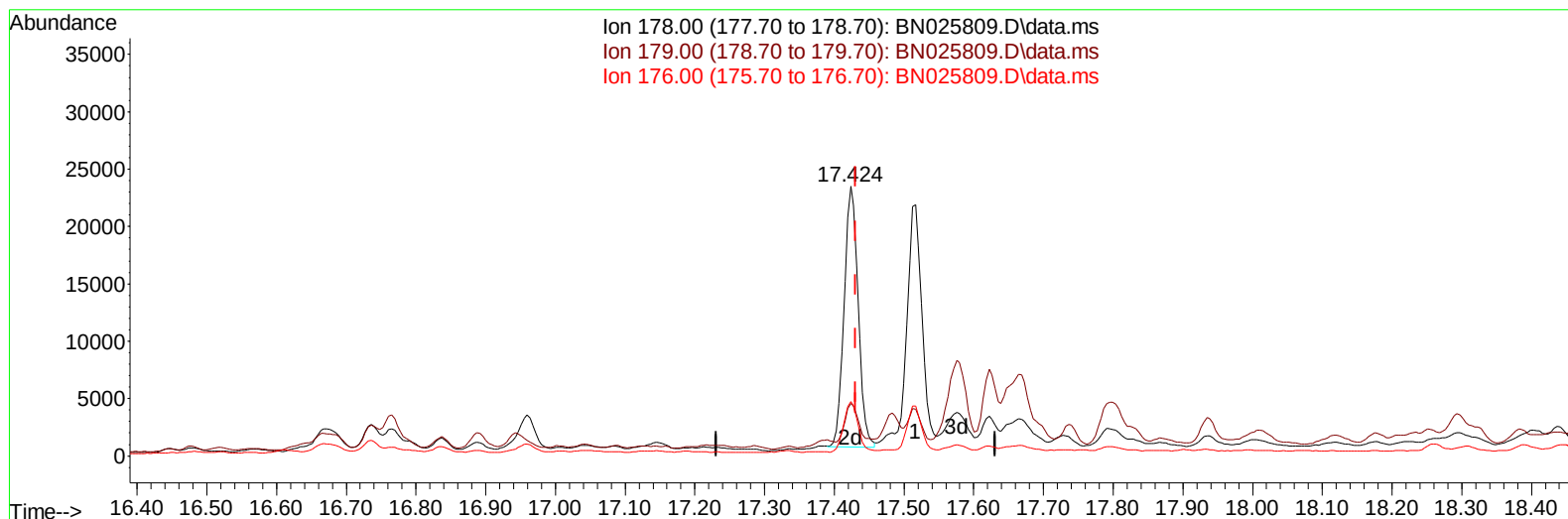
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061323\  
 Data File : BN025809.D  
 Acq On : 13 Jun 2023 16:44  
 Operator : MA/JU  
 Sample : 02950-08  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EW985

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 06/14/2023  
 Supervised By :mohammad ahmed 06/14/2023



TIC: BN025809.D\data.ms

(15) Phenanthrene

17.424min (-0.007) 0.38 ng/ul m

response 32016

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 179.00 | 15.70  | 19.55# |
| 176.00 | 19.80  | 20.07  |
| 0.00   | 0.00   | 0.00   |

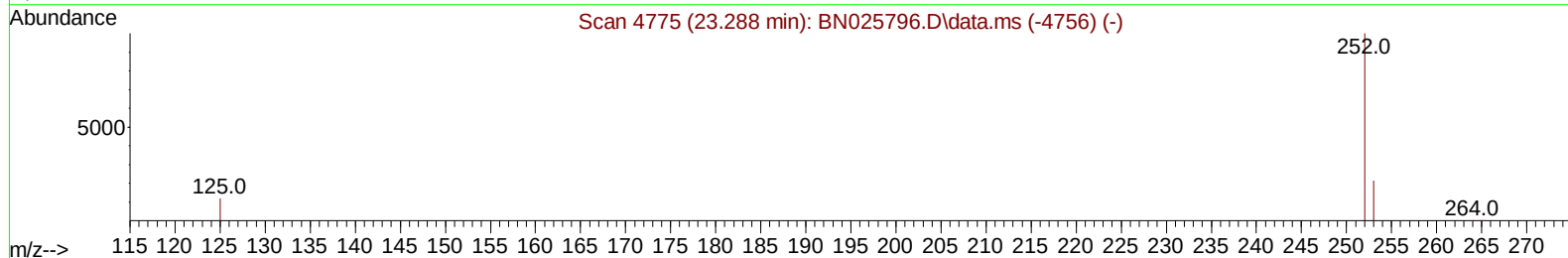
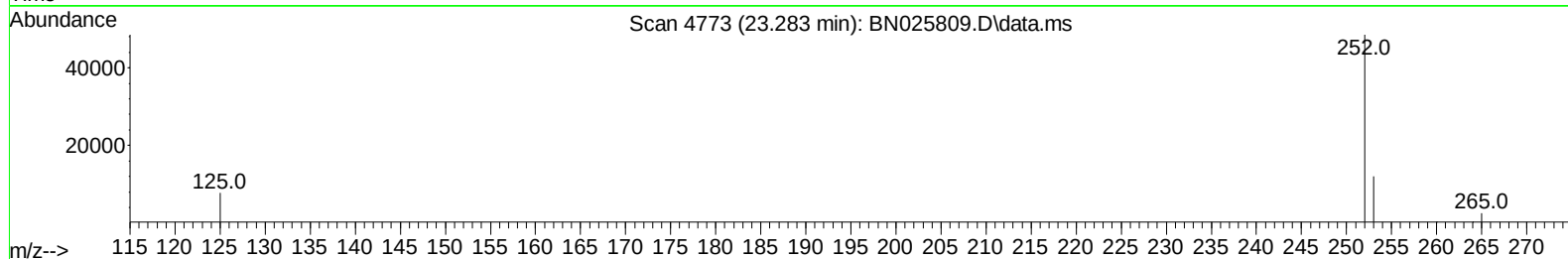
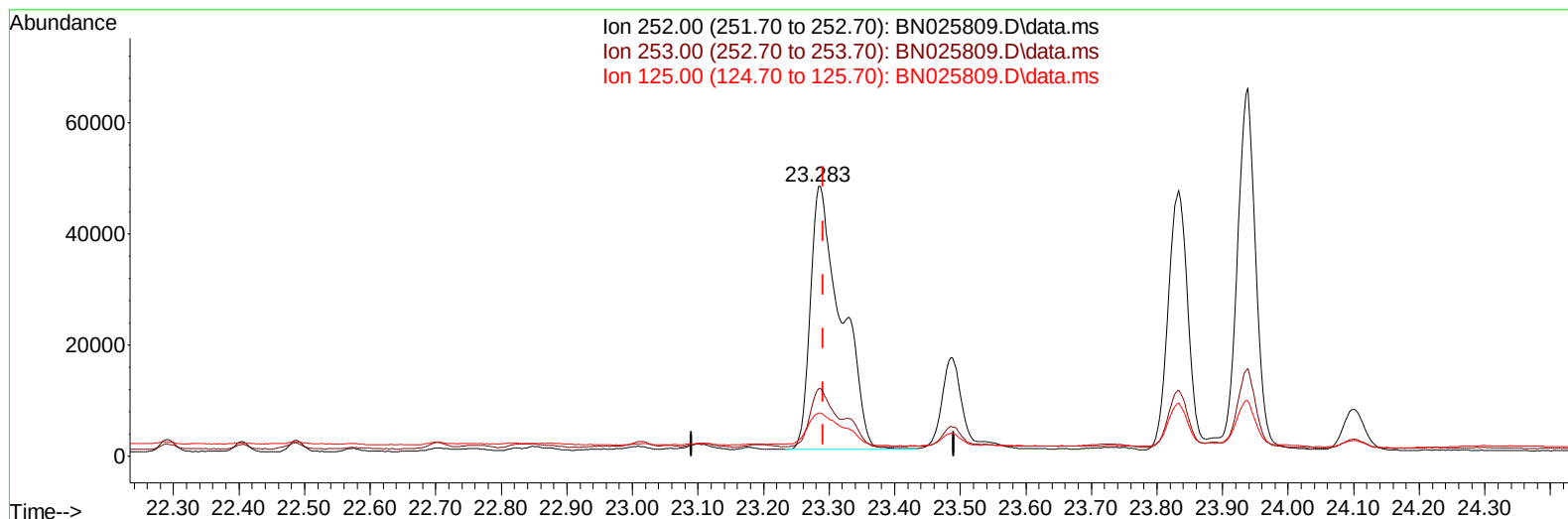
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061323\  
 Data File : BN025809.D  
 Acq On : 13 Jun 2023 16:44  
 Operator : MA/JU  
 Sample : 02950-08  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EW985

Manual IntegrationsAPPROVED

Quant Time: Jun 13 23:17:34 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN060923.M  
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TIC: BN025809.D\data.ms

**(24) Benzo(b)fluoranthene**

23.283min (-0.008) 2.30 ng/u1

response 155698

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 28.00  | 24.93  |
| 125.00 | 14.00  | 15.98  |
| 0.00   | 0.00   | 0.00   |

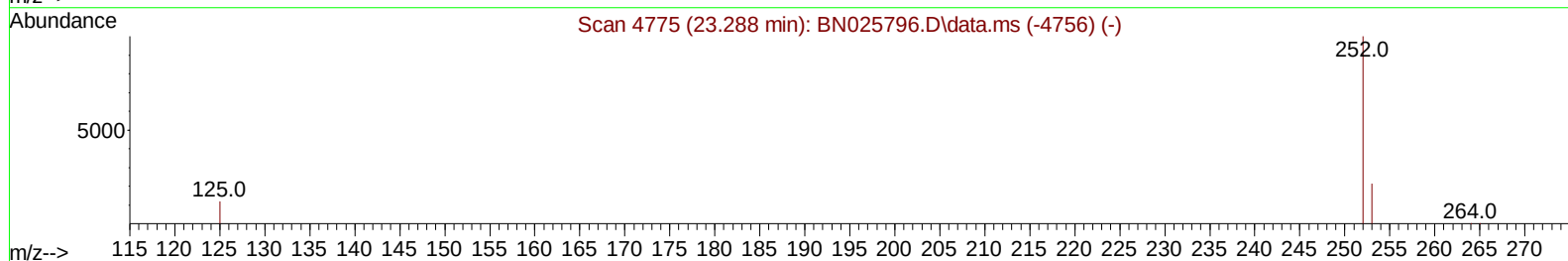
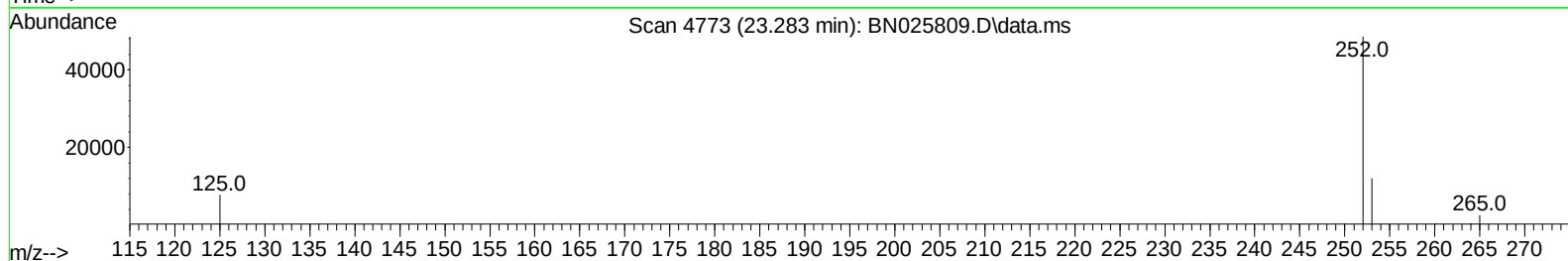
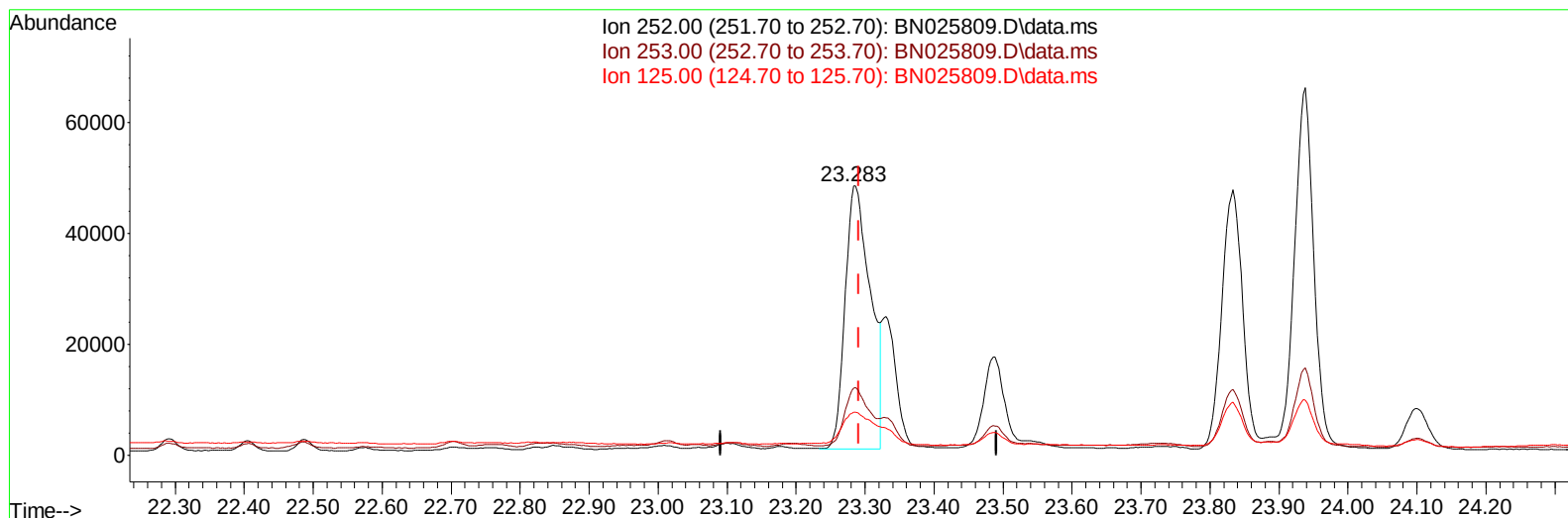
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061323\  
 Data File : BN025809.D  
 Acq On : 13 Jun 2023 16:44  
 Operator : MA/JU  
 Sample : 02950-08  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EW985

Manual IntegrationsAPPROVED

Quant Time: Jun 13 23:17:34 2023  
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TIC: BN025809.D\data.ms

(24) Benzo(b)fluoranthene

23.283min (-0.008) 1.78 ng/ul m

response 120584

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 28.00  | 24.93  |
| 125.00 | 14.00  | 15.98  |
| 0.00   | 0.00   | 0.00   |

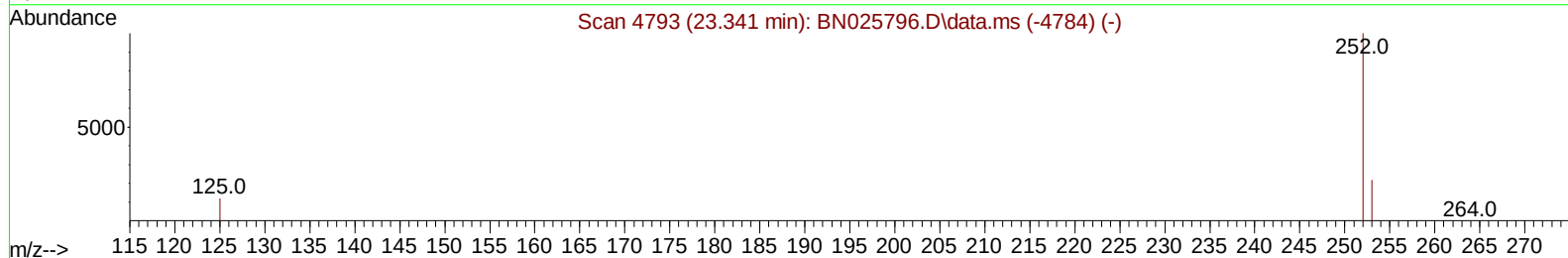
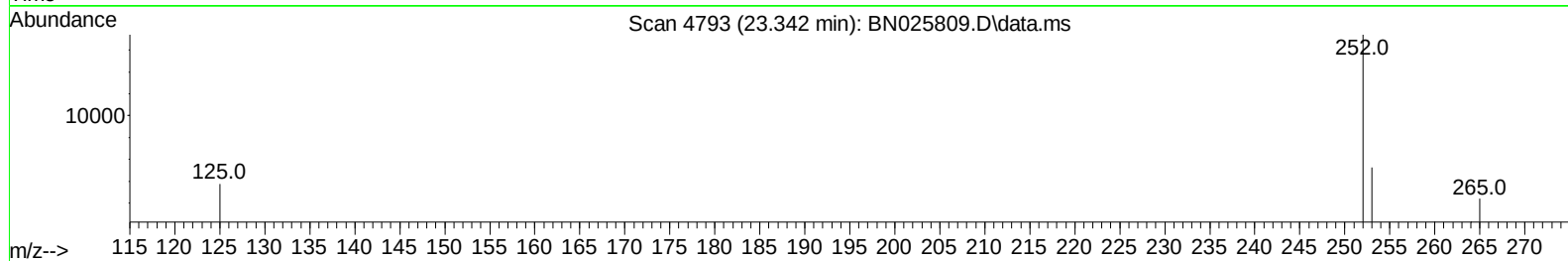
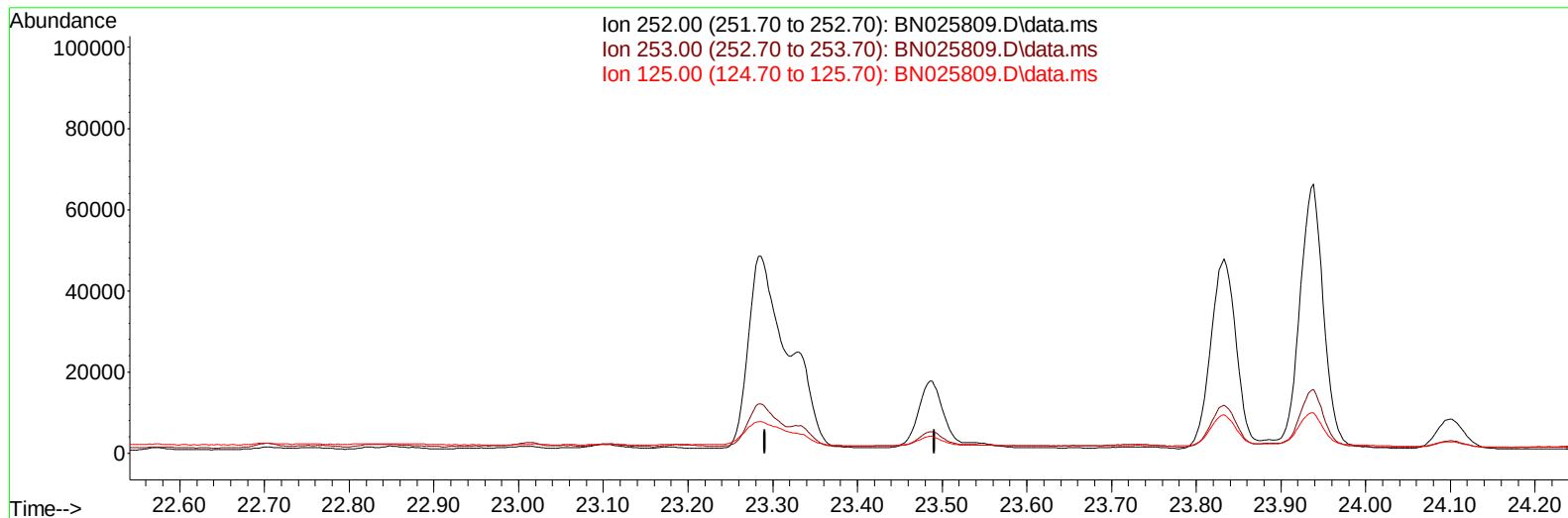
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061323\  
 Data File : BN025809.D  
 Acq On : 13 Jun 2023 16:44  
 Operator : MA/JU  
 Sample : 02950-08  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EW985

Manual IntegrationsAPPROVED

Quant Time: Jun 13 23:17:34 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN060923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jun 10 02:01:49 2023  
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Reviewed By :Yogesh Patel 06/14/2023  
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TIC: BN025809.D\data.ms

(25) Benzo(k)fluoranthene

23.341min (-23.341) 0.00 ng/u1

response 0

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 252.00 | 100.00 | 0.00  |
| 253.00 | 29.10  | 0.00# |
| 125.00 | 14.50  | 0.00# |
| 0.00   | 0.00   | 0.00  |

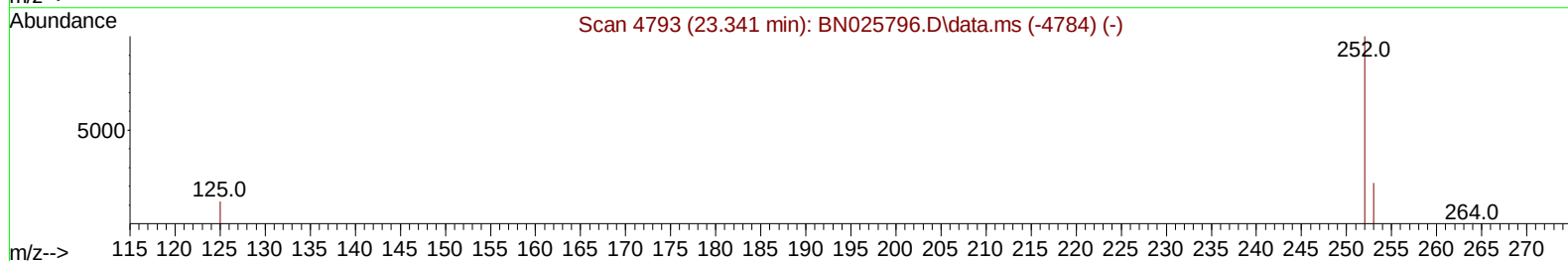
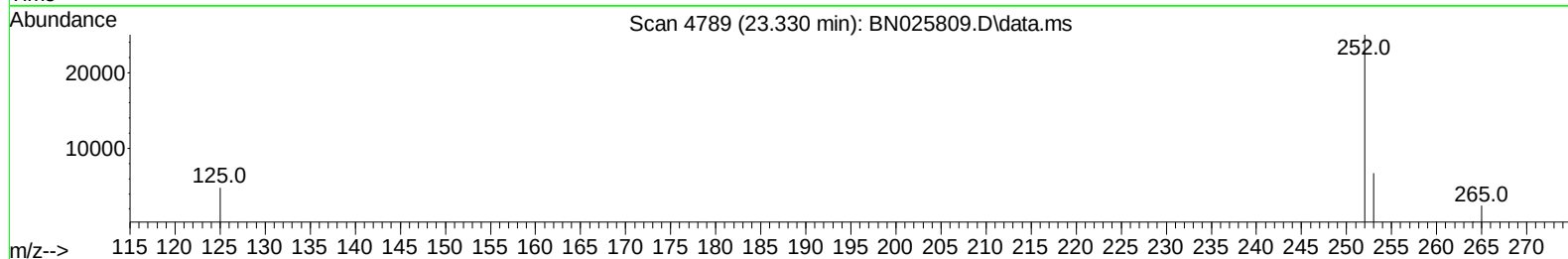
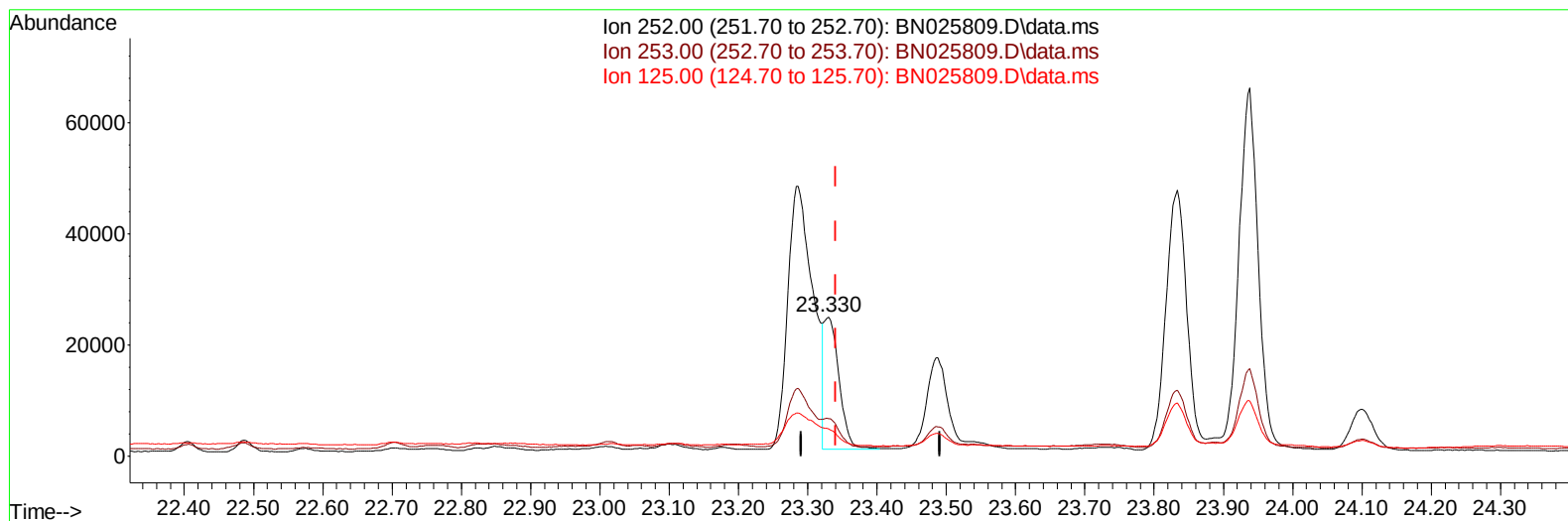
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061323\  
Data File : BN025809.D  
Acq On : 13 Jun 2023 16:44  
Operator : MA/JU  
Sample : 02950-08  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
EW985

Manual IntegrationsAPPROVED

Quant Time: Jun 13 23:17:34 2023  
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QLast Update : Sat Jun 10 02:01:49 2023  
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Supervised By :mohammad ahmed 06/14/2023



TIC: BN025809.D\data.ms

(25) Benzo(k)fluoranthene

23.330min (-0.011) 0.52 ng/ul m

response 35340

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 29.10  | 26.78  |
| 125.00 | 14.50  | 19.28# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061323\  
 Data File : BN025809.D  
 Acq On : 13 Jun 2023 16:44  
 Operator : MA/JU  
 Sample : 02950-08  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EW985

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/14/2023  
 Supervised By :mohammad ahmed 06/14/2023

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| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.005  | 152  | 8928     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.820 | 136  | 26985    | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.640 | 164  | 15780    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.381 | 188  | 28628    | 0.400 | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.562 | 240  | 15340    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 24.044 | 264  | 16534    | 0.400 | ng/ul  | -0.01    |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.352  | 96   | 29767    | 3.391 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.403 | 152  | 7904     | 0.231 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.406 | 212  | 13694    | 0.283 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.869 | 128  | 7899     | 0.115 | ng/ul# | 93       |
| 7) 2-Methylnaphthalene      | 12.475 | 142  | 5523     | 0.134 | ng/ul  | 97       |
| 8) 1-Methylnaphthalene      | 12.695 | 142  | 4067     | 0.090 | ng/ul  | 96       |
| 10) Acenaphthylene          | 14.358 | 152  | 38713    | 0.621 | ng/ul  | 96       |
| 11) Acenaphthene            | 14.701 | 153  | 18171    | 0.349 | ng/ul  | 99       |
| 12) Fluorene                | 15.686 | 166  | 9479     | 0.163 | ng/ul# | 90       |
| 15) Phenanthrene            | 17.424 | 178  | 32016m   | 0.383 | ng/ul  |          |
| 16) Anthracene              | 17.517 | 178  | 30969    | 0.439 | ng/ul  | 96       |
| 19) Fluoranthene            | 19.434 | 202  | 132593   | 1.890 | ng/ul  | 99       |
| 20) Pyrene                  | 19.801 | 202  | 223089   | 3.071 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.544 | 228  | 117283   | 2.398 | ng/ul  | 92       |
| 22) Chrysene                | 21.603 | 228  | 145085   | 2.594 | ng/ul  | 96       |
| 24) Benzo(b)fluoranthene    | 23.283 | 252  | 120584m  | 1.783 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.330 | 252  | 35340m   | 0.521 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.938 | 252  | 126965   | 2.215 | ng/ul# | 88       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.642 | 276  | 67311    | 1.030 | ng/ul# | 90       |
| 28) Dibenzo(a,h)anthracene  | 26.649 | 278  | 20810    | 0.421 | ng/ul# | 93       |
| 29) Benzo(g,h,i)perylene    | 27.447 | 276  | 74621    | 1.273 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

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

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