

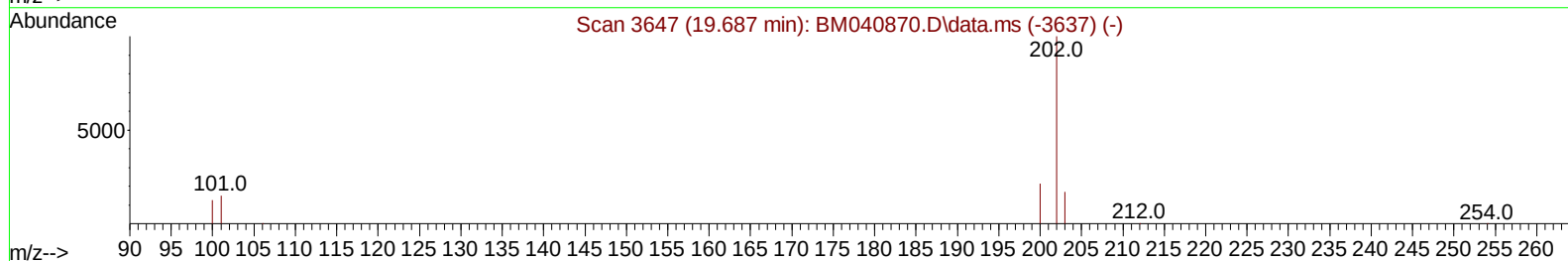
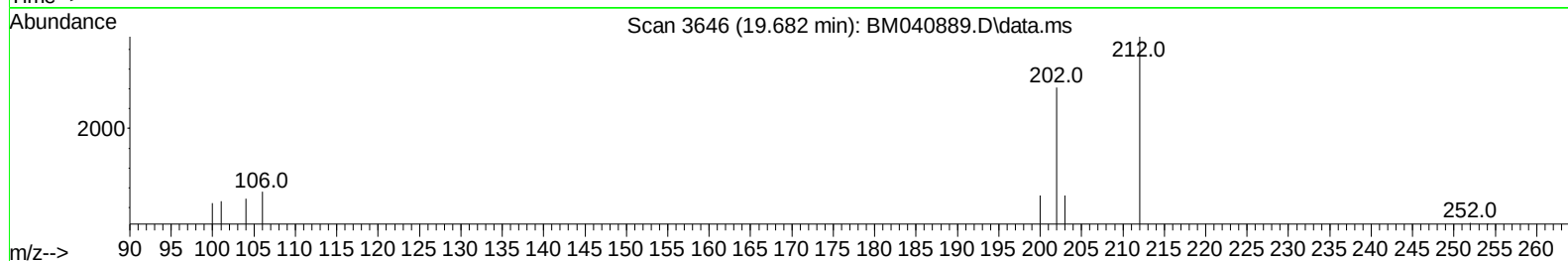
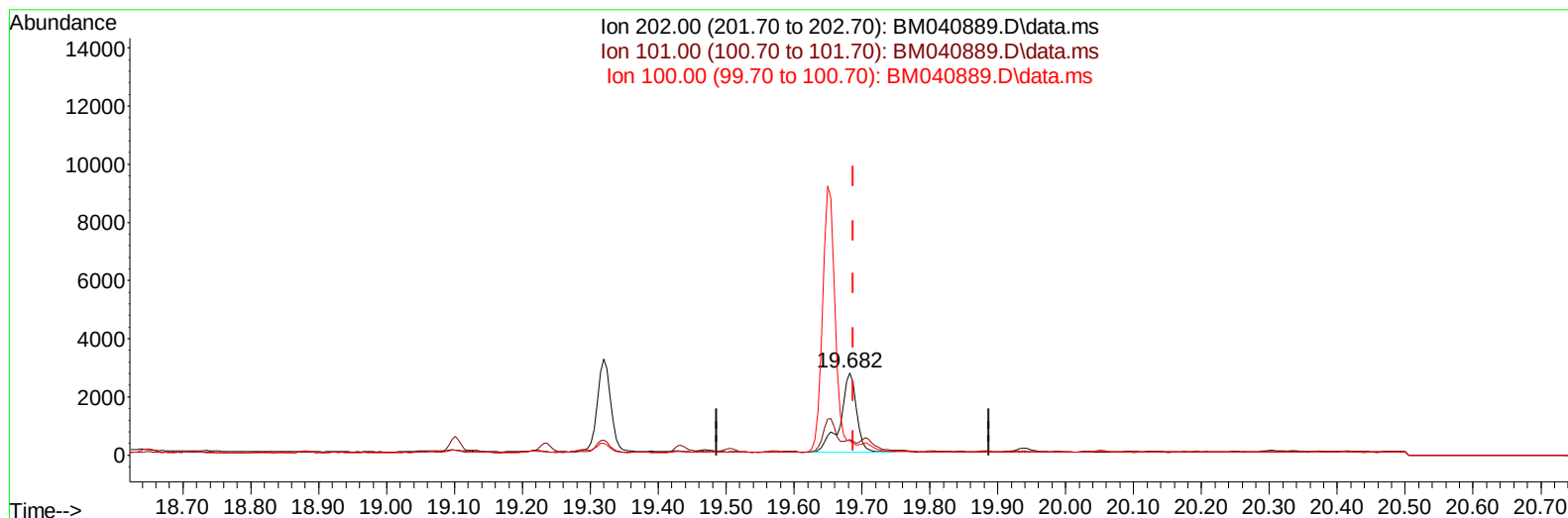
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071423\  
 Data File : BM040889.D  
 Acq On : 14 Jul 2023 21:25  
 Operator : MA/JU  
 Sample : 03437-06  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A46H7

Manual IntegrationsAPPROVED

Quant Time: Jul 15 04:00:08 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM062223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jul 15 03:58:02 2023  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/15/2023  
 Supervised By :mohammad ahmed 07/17/2023



TIC: BM040889.D\data.ms

(20) Pyrene

19.682min (-0.005) 0.13 ng/uL

response 4552

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 15.70  | 18.60  |
| 100.00 | 12.20  | 17.26# |
| 0.00   | 0.00   | 0.00   |

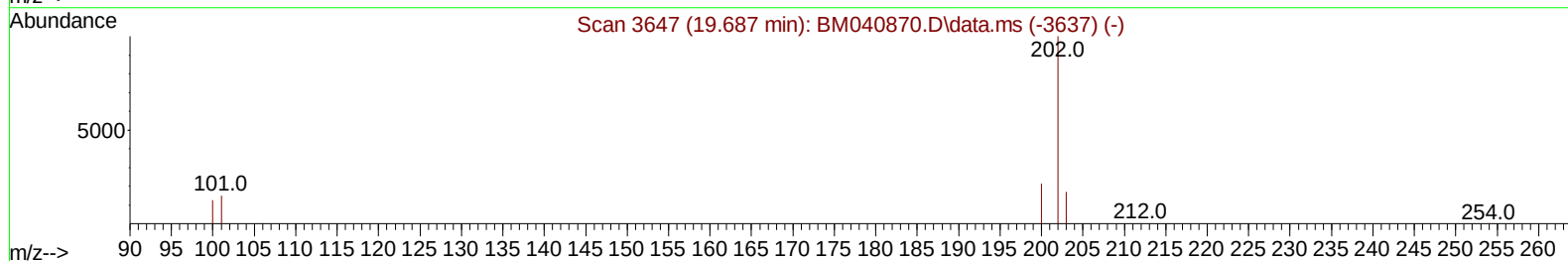
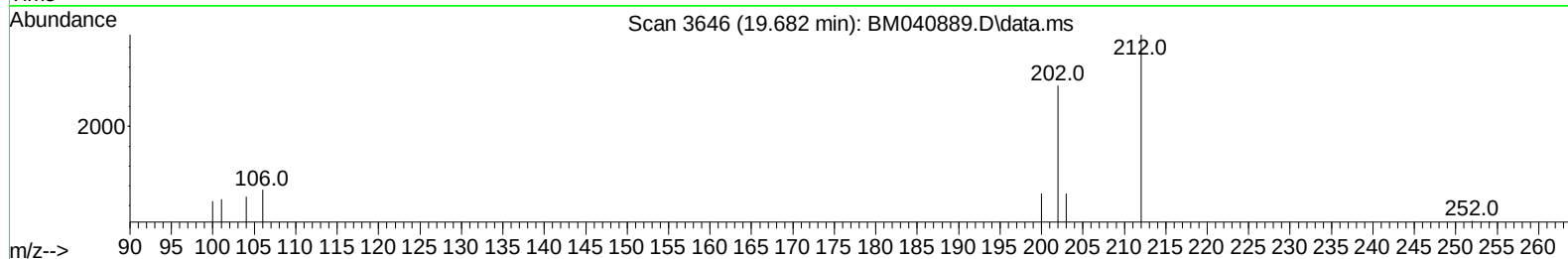
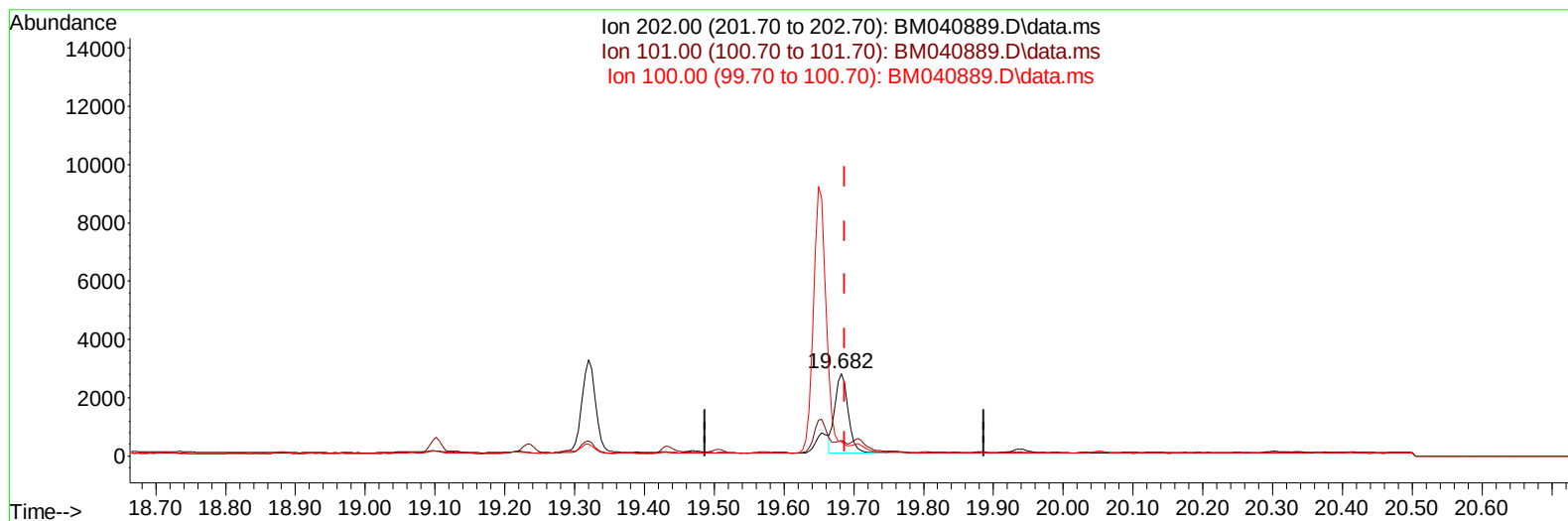
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071423\  
 Data File : BM040889.D  
 Acq On : 14 Jul 2023 21:25  
 Operator : MA/JU  
 Sample : 03437-06  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
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Manual IntegrationsAPPROVED

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TIC: BM040889.D\data.ms

(20) Pyrene

19.682min (-0.005) 0.11 ng/ul m

response 3639

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 15.70  | 18.60  |
| 100.00 | 12.20  | 17.26# |
| 0.00   | 0.00   | 0.00   |

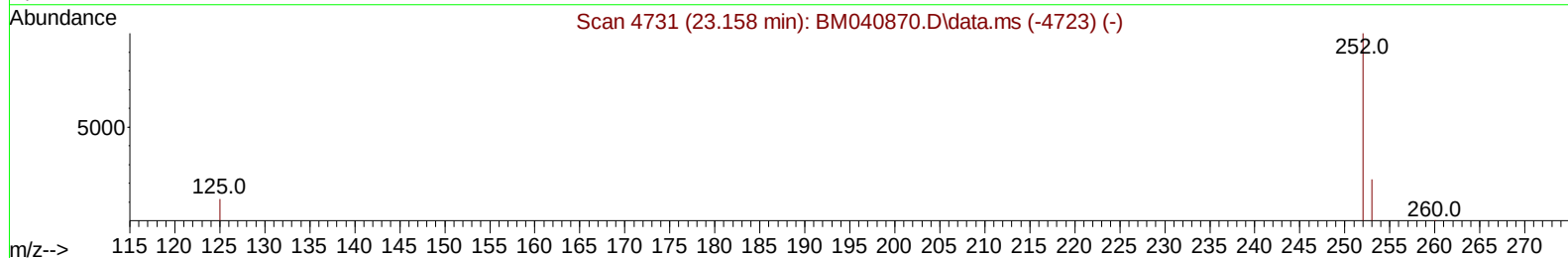
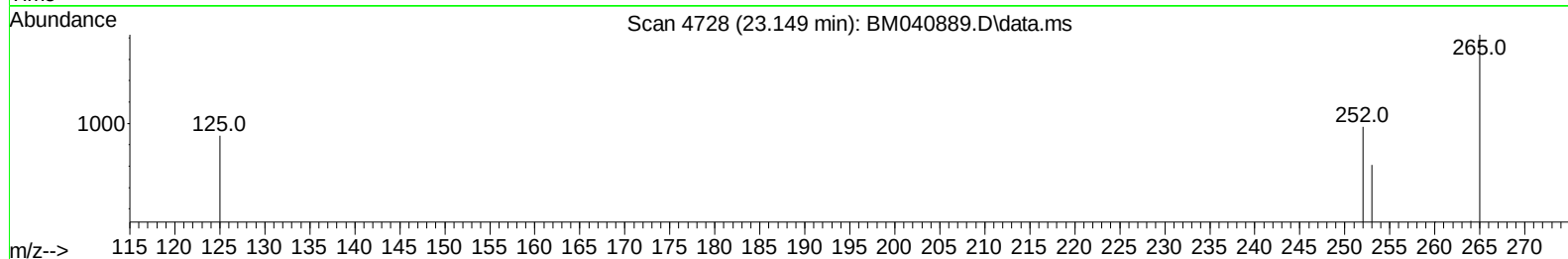
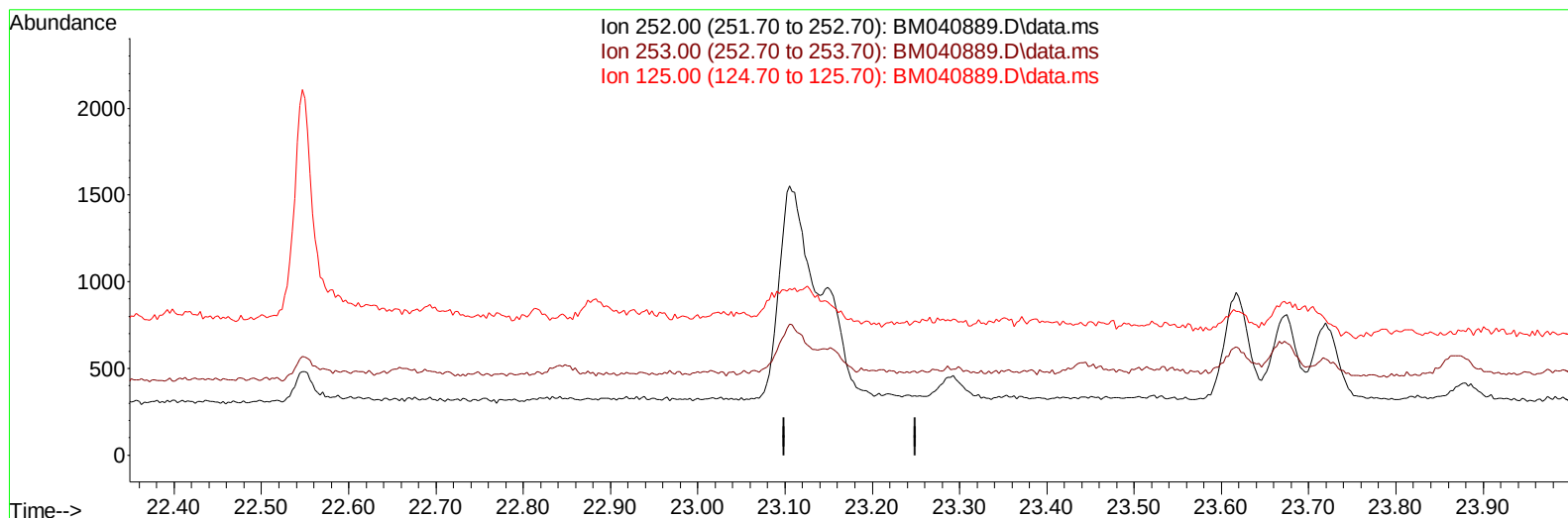
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071423\  
 Data File : BM040889.D  
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 Operator : MA/JU  
 Sample : 03437-06  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A46H7

Manual IntegrationsAPPROVED

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TIC: BM040889.D\data.ms

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

23.149min (-23.149) 0.00 ng/u1

response 0

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 252.00 | 100.00 | 0.00  |
| 253.00 | 26.50  | 0.00# |
| 125.00 | 20.50  | 0.00# |
| 0.00   | 0.00   | 0.00  |

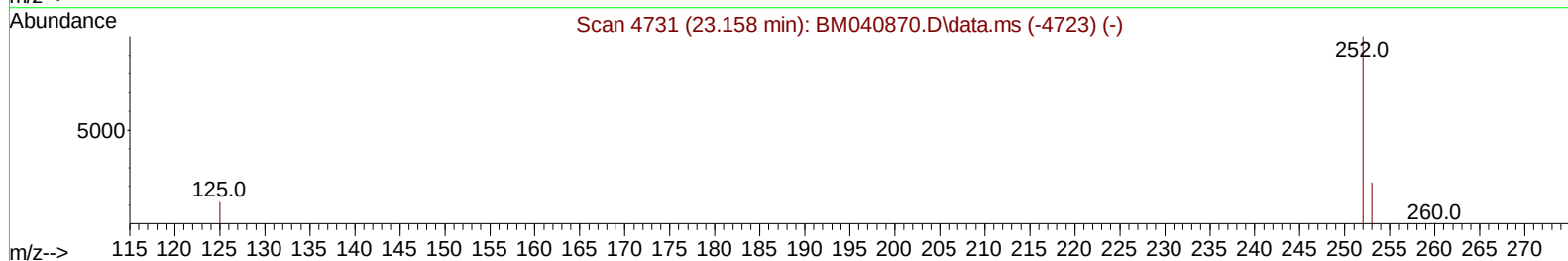
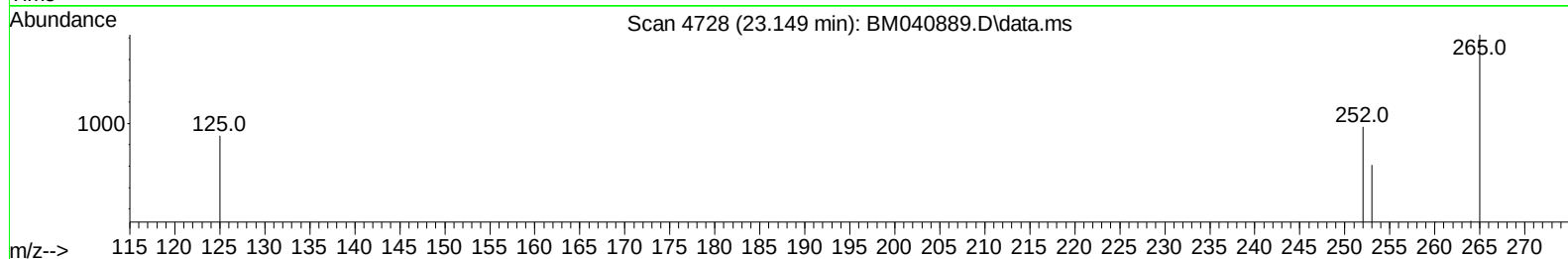
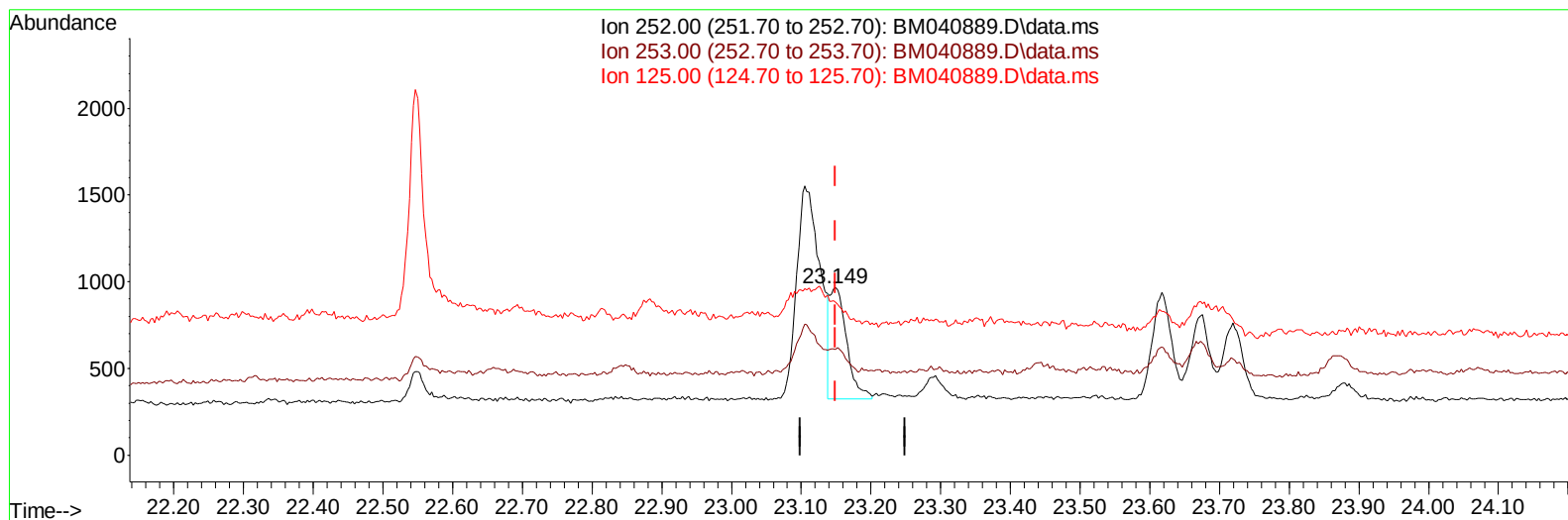
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 Operator : MA/JU  
 Sample : 03437-06  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A46H7

Manual IntegrationsAPPROVED

Quant Time: Jul 15 04:00:08 2023  
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TIC: BM040889.D\data.ms

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

23.149min (-0.000) 0.04 ng/ul m

response 1104

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 26.50  | 62.98# |
| 125.00 | 20.50  | 91.21# |
| 0.00   | 0.00   | 0.00   |

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 Operator : MA/JU  
 Sample : 03437-06  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A46H7

## Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 07/17/2023

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| Compound                    | R.T.   | Q   | Ion | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|-----|-----|----------|-------|--------|----------|
| -----                       |        |     |     |          |       |        |          |
| Internal Standards          |        |     |     |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.861  | 152 |     | 4340     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.663 | 136 |     | 13766    | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.509 | 164 |     | 5720     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.261 | 188 |     | 10848    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.451 | 240 |     | 7462     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.827 | 264 |     | 7639     | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |     |     |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.284  | 96  |     | 23453    | 3.440 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.253 | 152 |     | 3412     | 0.177 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.292 | 212 |     | 4877     | 0.204 | ng/ul  | 0.00     |
| Target Compounds            |        |     |     |          |       |        |          |
|                             |        |     |     |          |       |        | Qvalue   |
| 5) Naphthalene              | 10.713 | 128 |     | 15414    | 0.406 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.330 | 142 |     | 691      | 0.031 | ng/ul  | 97       |
| 15) Phenanthrene            | 17.299 | 178 |     | 1757     | 0.052 | ng/ul# | 86       |
| 19) Fluoranthene            | 19.320 | 202 |     | 4415     | 0.139 | ng/ul  | 96       |
| 20) Pyrene                  | 19.682 | 202 |     | 3639m    | 0.107 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.433 | 228 |     | 2114     | 0.084 | ng/ul# | 86       |
| 22) Chrysene                | 21.486 | 228 |     | 1878     | 0.065 | ng/ul# | 86       |
| 24) Benzo(b)fluoranthene    | 23.105 | 252 |     | 2857     | 0.097 | ng/ul# | 38       |
| 25) Benzo(k)fluoranthene    | 23.149 | 252 |     | 1104m    | 0.038 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.719 | 252 |     | 822      | 0.031 | ng/ul# | 1        |
| 27) Indeno(1,2,3-cd)pyrene  | 26.290 | 276 |     | 1295     | 0.035 | ng/ul# | 90       |
| -----                       |        |     |     |          |       |        |          |

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

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