

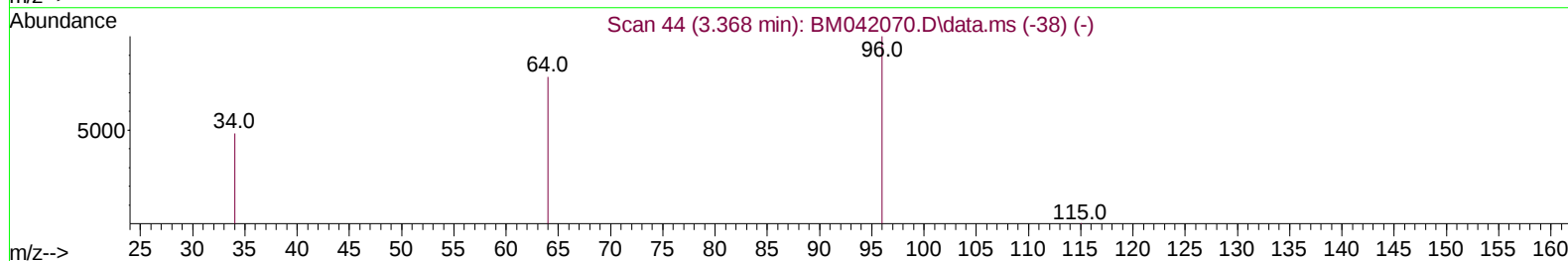
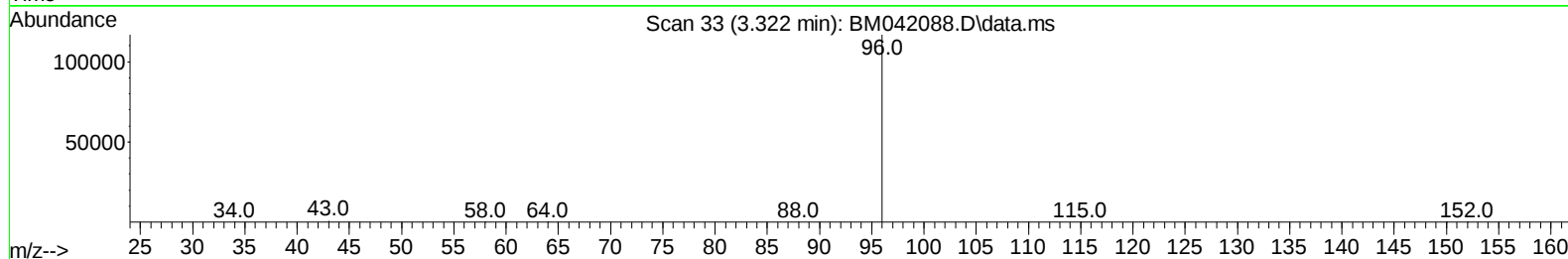
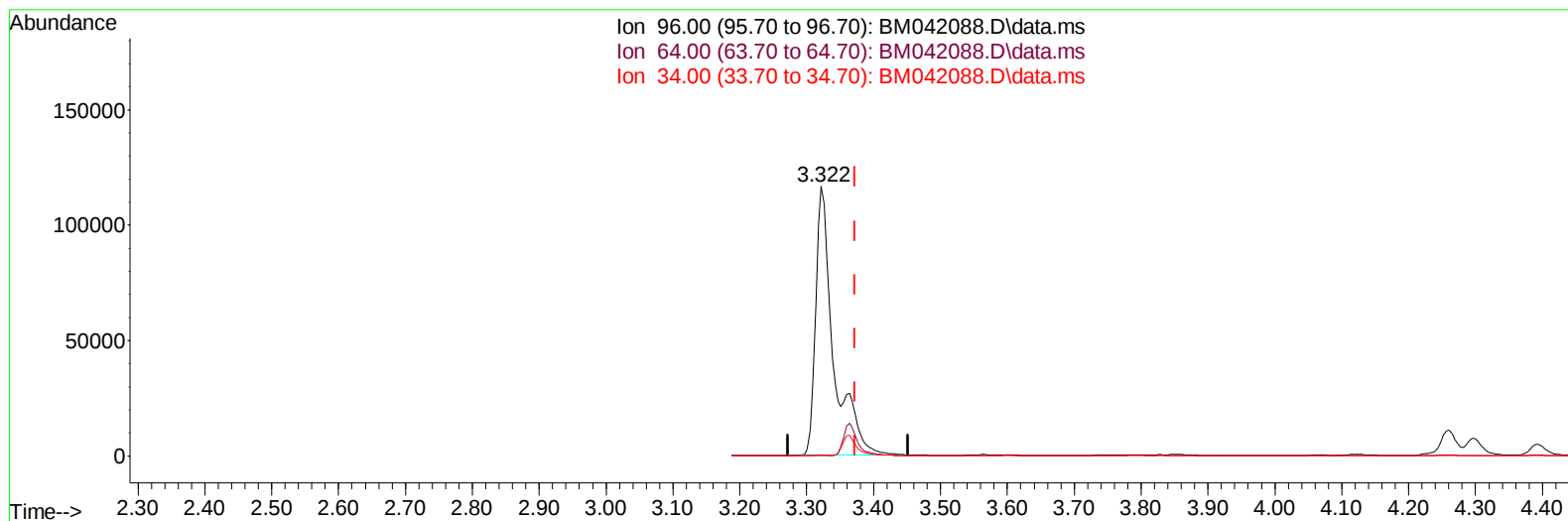
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM092723\  
 Data File : BM042088.D  
 Acq On : 27 Sep 2023 17:00  
 Operator : MA/JU  
 Sample : 04450-14  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BBHQ4

Manual IntegrationsAPPROVED

Quant Time: Sep 27 18:06:25 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM092223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 22 13:50:58 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/28/2023  
 Supervised By :mohammad ahmed 09/28/2023



TIC: BM042088.D\data.ms

**(3) 1,4-Dioxane-d8 (S)**

**3.322min (-0.050) 33.84 ng/u1**

**response 218271**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 64.00 | 77.40  | 0.18#  |
| 34.00 | 53.00  | 0.33#  |
| 0.00  | 0.00   | 0.00   |

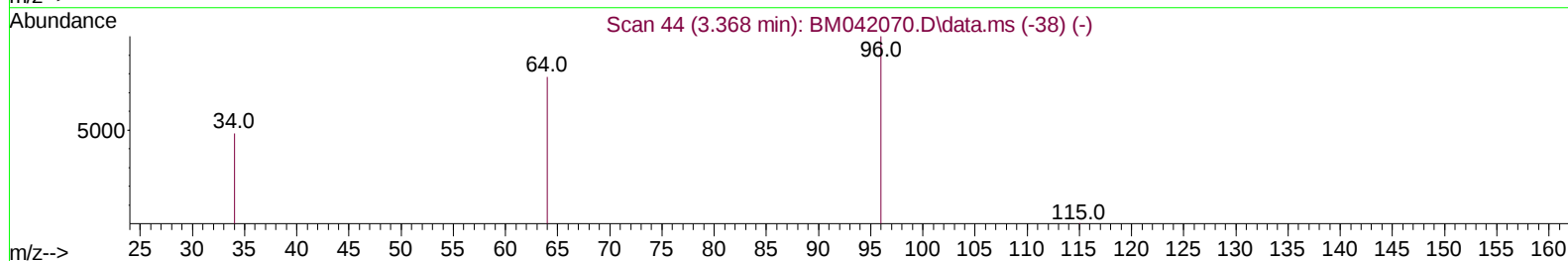
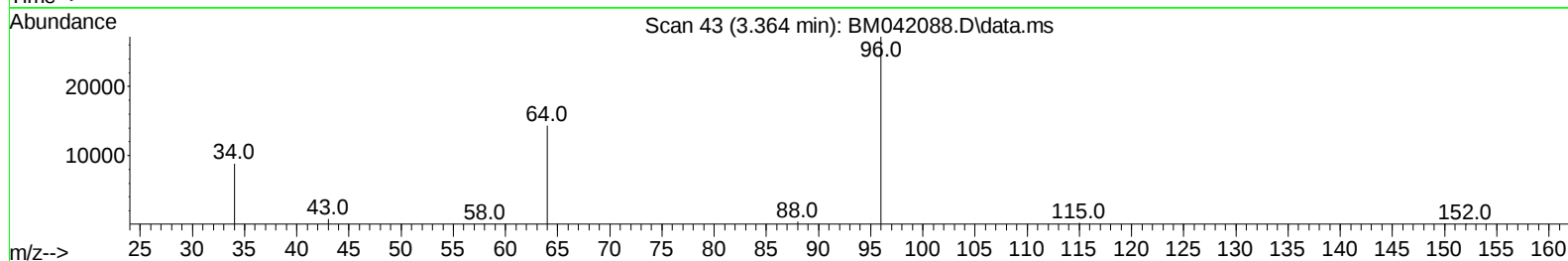
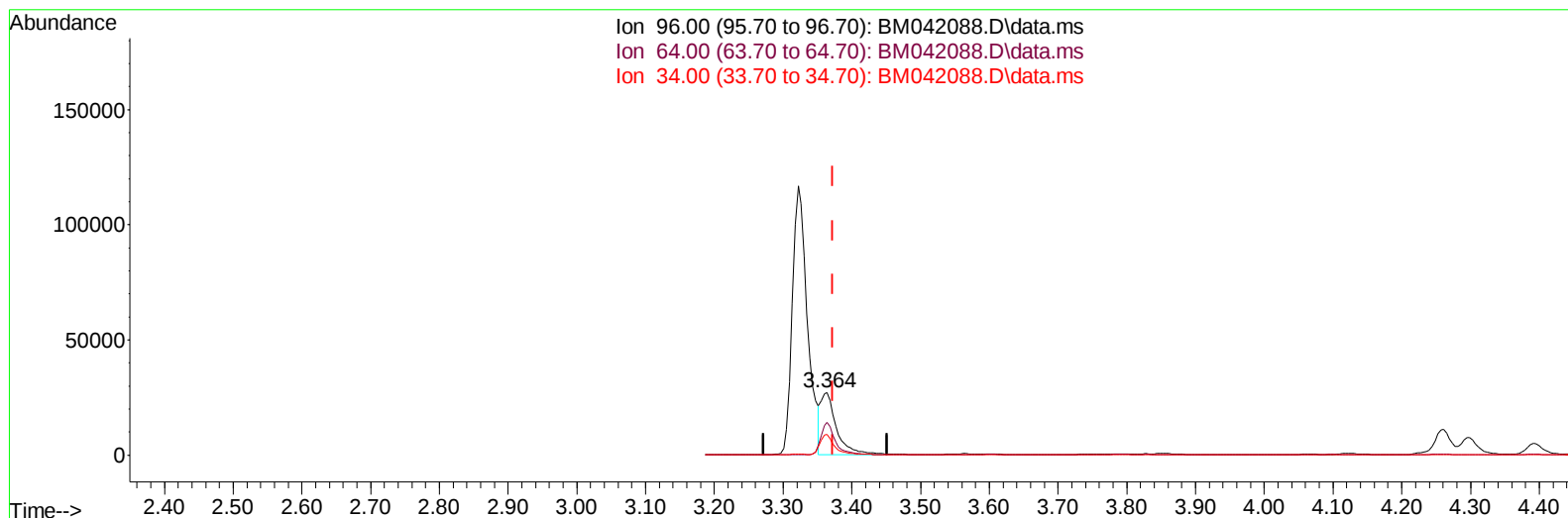
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Manual IntegrationsAPPROVED

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TIC: BM042088.D\data.ms

**(3) 1,4-Dioxane-d8 (S)**

**3.364min (-0.008) 6.55 ng/ul m**

**response 42252**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 64.00 | 77.40  | 52.57# |
| 34.00 | 53.00  | 32.55# |
| 0.00  | 0.00   | 0.00   |

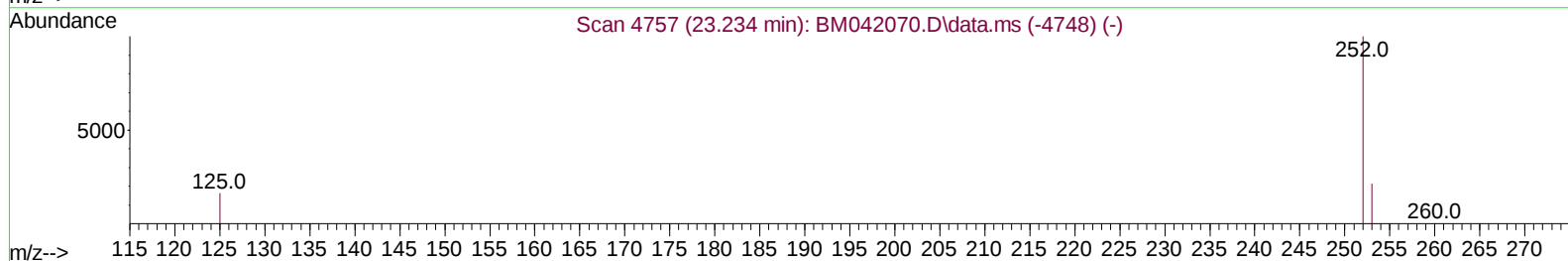
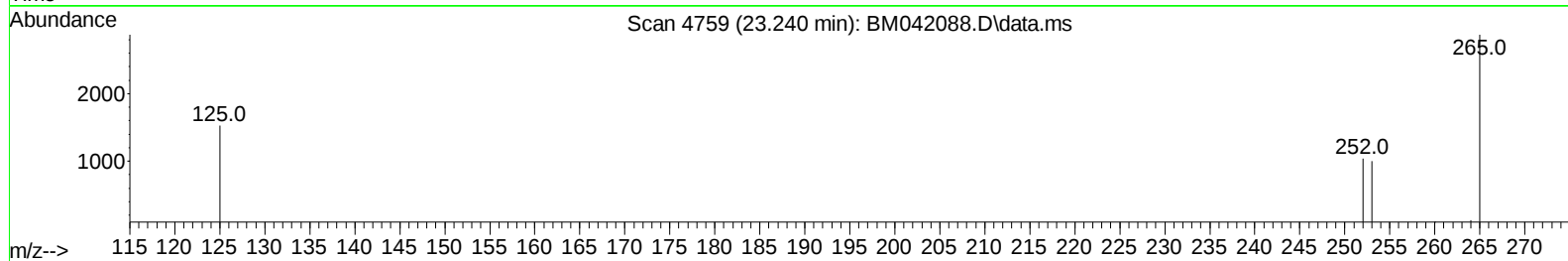
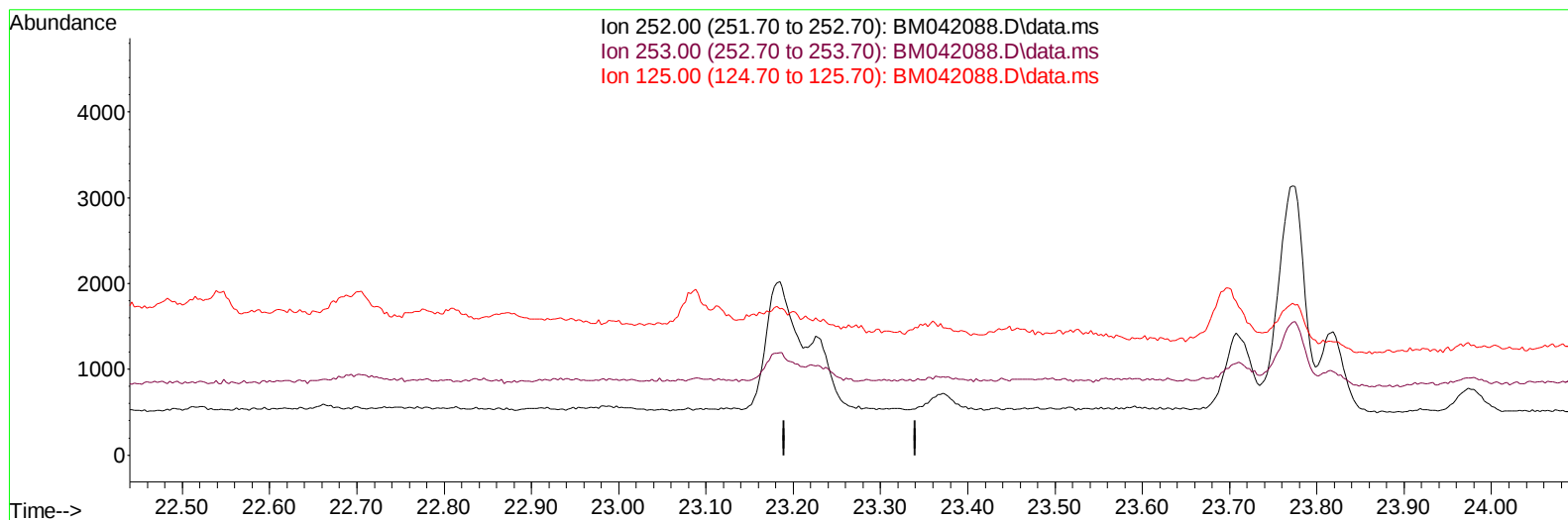
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM092723\  
Data File : BM042088.D  
Acq On : 27 Sep 2023 17:00  
Operator : MA/JU  
Sample : 04450-14  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BBHQ4

Manual IntegrationsAPPROVED

Quant Time: Sep 27 18:06:25 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM092223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 22 13:50:58 2023  
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TIC: BM042088.D\data.ms

(25) Benzo(k)fluoranthene

23.240min (-23.240) 0.00 ng/u1

response 0

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 252.00 | 100.00 | 0.00  |
| 253.00 | 26.30  | 0.00# |
| 125.00 | 23.80  | 0.00# |
| 0.00   | 0.00   | 0.00  |

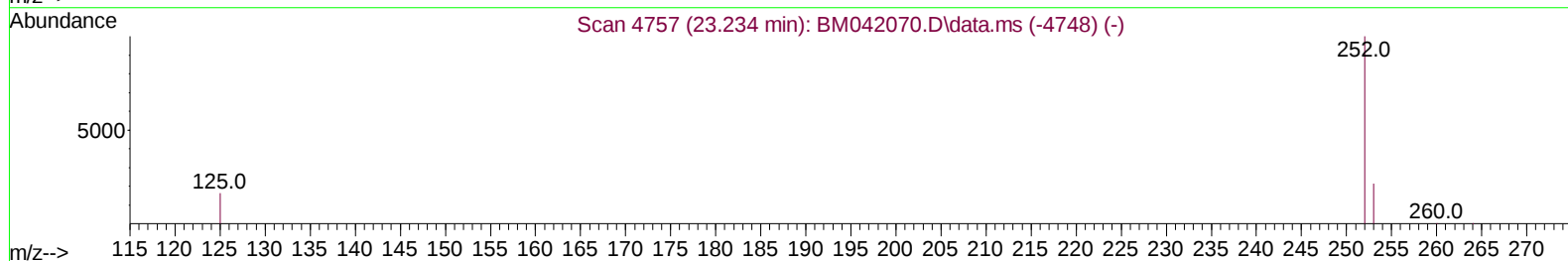
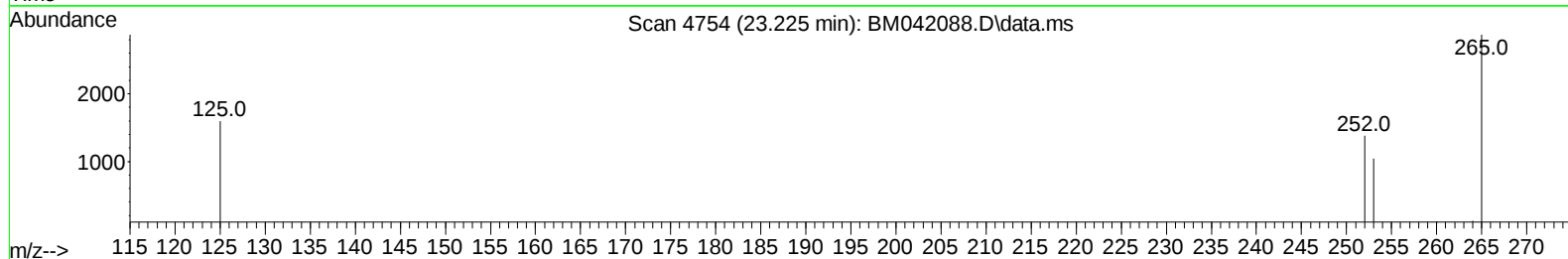
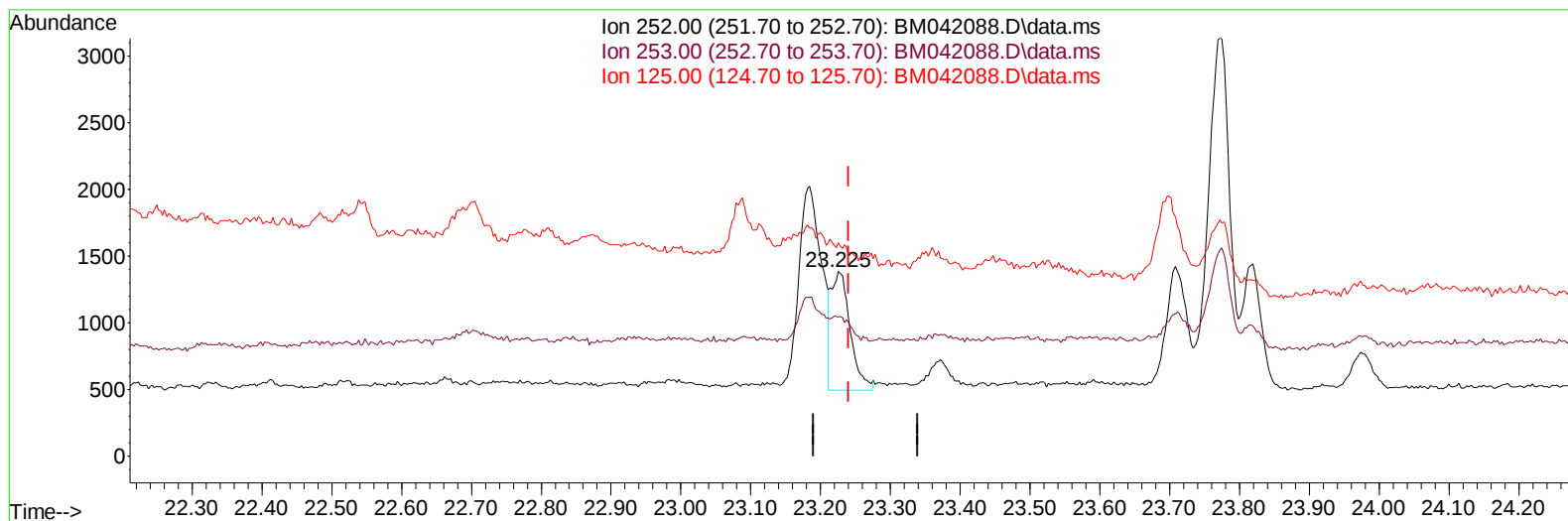
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM092723\  
 Data File : BM042088.D  
 Acq On : 27 Sep 2023 17:00  
 Operator : MA/JU  
 Sample : 04450-14  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BBHQ4

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 09/28/2023  
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TIC: BM042088.D\data.ms

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

23.225min (-0.014) 0.03 ng/u1 m

response 1700

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 252.00 | 100.00 | 100.00  |
| 253.00 | 26.30  | 75.29#  |
| 125.00 | 23.80  | 115.53# |
| 0.00   | 0.00   | 0.00    |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM092723\  
 Data File : BM042088.D  
 Acq On : 27 Sep 2023 17:00  
 Operator : MA/JU  
 Sample : 04450-14  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BBHQ4

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/28/2023  
 Supervised By :mohammad ahmed 09/28/2023

Quant Time: Sep 27 18:06:25 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM092223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 22 13:50:58 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.971  | 152  | 4734     | 0.400 | ng/ul  | # 0.02   |
| 4) Naphthalene-d8           | 10.757 | 136  | 8142     | 0.400 | ng/ul  | #-0.01   |
| 9) Acenaphthene-d10         | 14.588 | 164  | 4290     | 0.400 | ng/ul  | #-0.01   |
| 13) Phenanthrene-d10        | 17.341 | 188  | 9447     | 0.400 | ng/ul  | #-0.01   |
| 17) Chrysene-d12            | 21.518 | 240  | 5812     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.921 | 264  | 7379     | 0.400 | ng/ul  | #-0.01   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.364  | 96   | 42252m   | 6.550 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.341 | 152  | 5084     | 0.499 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 19.362 | 212  | 10407    | 0.435 | ng/ul  | -0.01    |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.402  | 88   | 1229     | 0.181 | ng/ul# | 52       |
| 5) Naphthalene              | 10.779 | 128  | 26117    | 0.958 | ng/ul# | 1        |
| 7) 2-Methylnaphthalene      | 12.412 | 142  | 590      | 0.036 | ng/ul  | 95       |
| 8) 1-Methylnaphthalene      | 12.632 | 142  | 9311     | 0.564 | ng/ul  | 96       |
| 11) Acenaphthene            | 14.652 | 153  | 1988     | 0.090 | ng/ul  | 94       |
| 12) Fluorene                | 15.638 | 166  | 3540     | 0.143 | ng/ul# | 97       |
| 14) Pentachlorophenol       | 16.970 | 266  | 465      | 0.093 | ng/ul  | 98       |
| 15) Phenanthrene            | 17.384 | 178  | 5805     | 0.132 | ng/ul# | 90       |
| 16) Anthracene              | 17.472 | 178  | 1750     | 0.046 | ng/ul# | 71       |
| 19) Fluoranthene            | 19.394 | 202  | 11501    | 0.175 | ng/ul  | 97       |
| 20) Pyrene                  | 19.761 | 202  | 9522     | 0.147 | ng/ul  | 95       |
| 21) Benzo(a)anthracene      | 21.501 | 228  | 3261     | 0.074 | ng/ul# | 84       |
| 22) Chrysene                | 21.554 | 228  | 3751     | 0.082 | ng/ul# | 84       |
| 24) Benzo(b)fluoranthene    | 23.184 | 252  | 3326     | 0.059 | ng/ul# | 9        |
| 25) Benzo(k)fluoranthene    | 23.225 | 252  | 1700m    | 0.031 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.819 | 252  | 1628     | 0.035 | ng/ul# | 4        |
| 27) Indeno(1,2,3-cd)pyrene  | 26.408 | 276  | 1695     | 0.026 | ng/ul# | 85       |
| 29) Benzo(g,h,i)perylene    | 27.186 | 276  | 1628     | 0.030 | ng/ul# | 65       |
| -----                       |        |      |          |       |        |          |

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

