

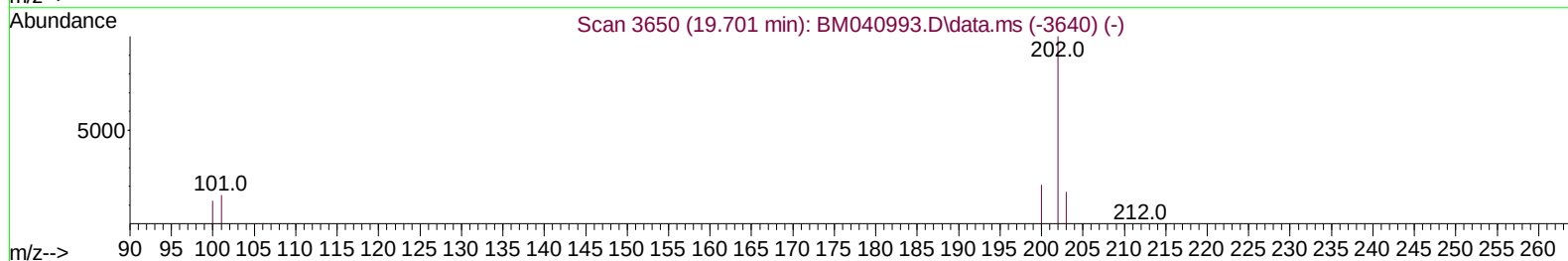
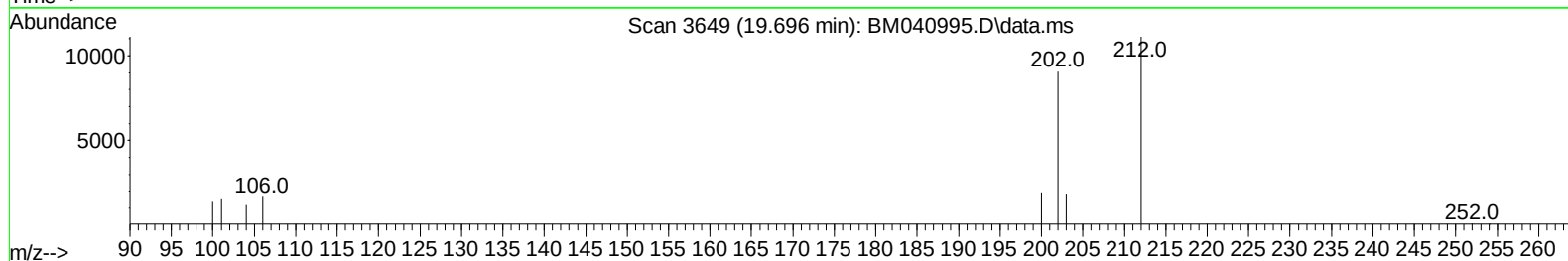
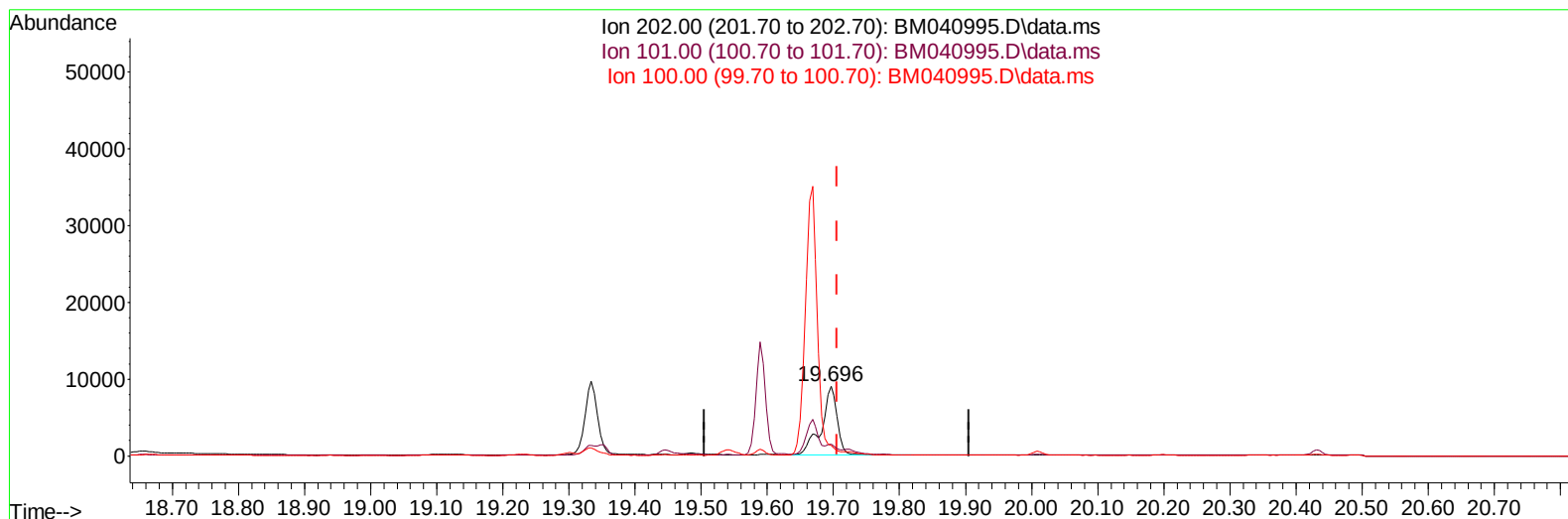
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072023\  
Data File : BM040995.D  
Acq On : 21 Jul 2023 00:11  
Operator : MA/JU  
Sample : 03444-05  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A46R6

Manual IntegrationsAPPROVED

Quant Time: Jul 21 01:42:45 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jul 20 05:08:42 2023  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/21/2023  
Supervised By :mohammad ahmed 07/21/2023



TIC: BM040995.D\data.ms

(20) Pyrene

19.696min (-0.009) 0.28 ng/uL

response 14963

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 15.60  | 16.72  |
| 100.00 | 12.50  | 15.07# |
| 0.00   | 0.00   | 0.00   |

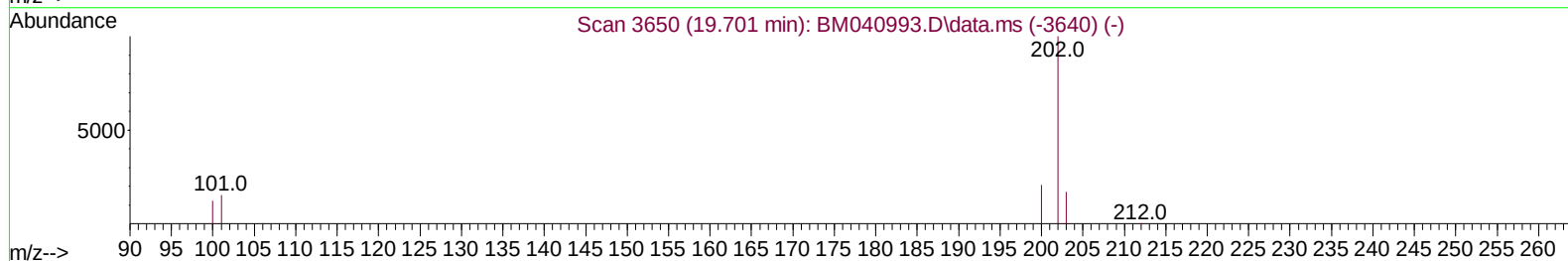
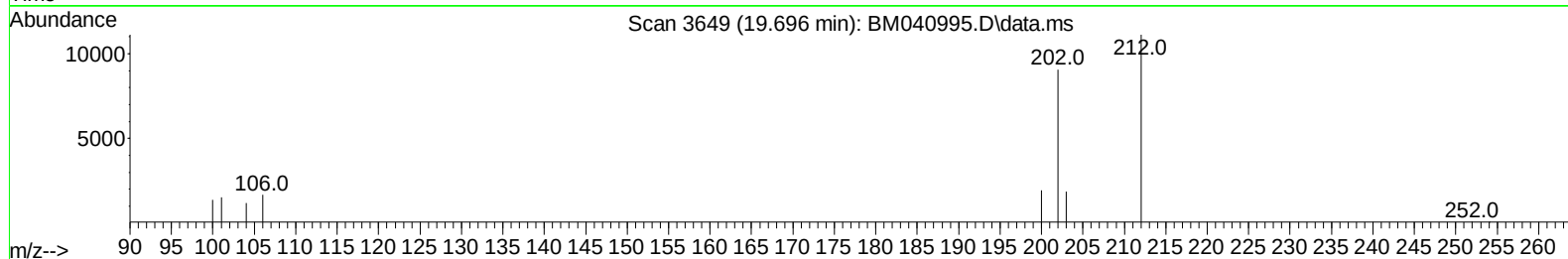
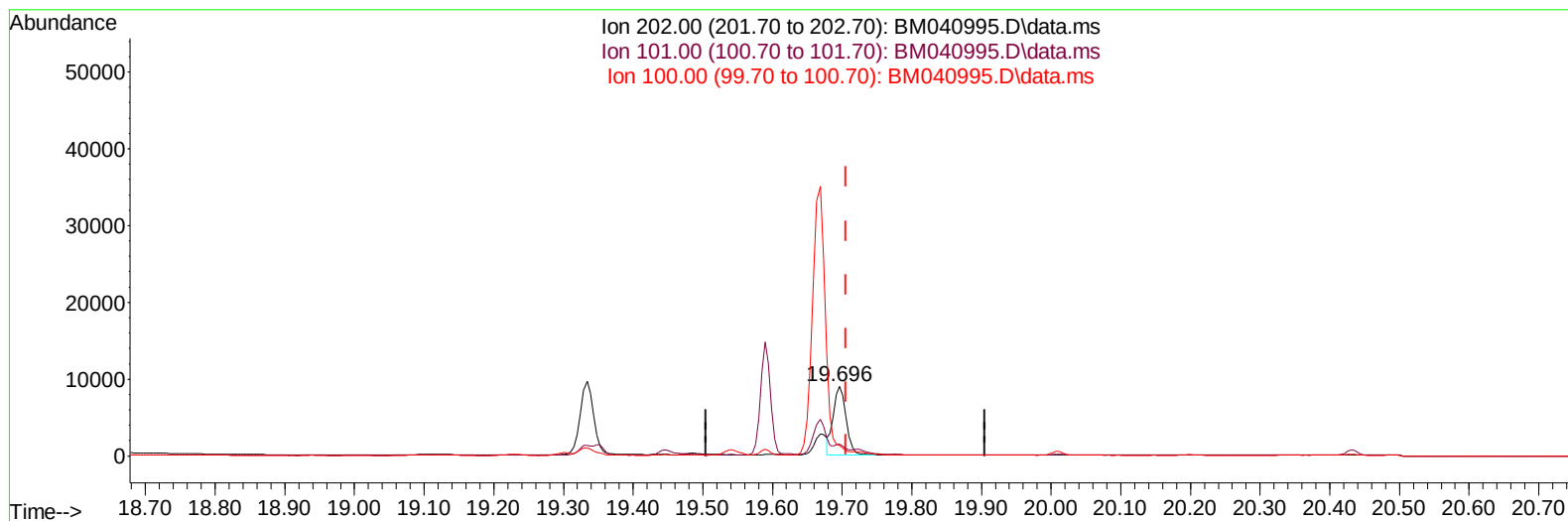
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Manual IntegrationsAPPROVED

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TIC: BM040995.D\data.ms

(20) Pyrene

19.696min (-0.009) 0.22 ng/ul m

response 11480

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 15.60  | 16.72  |
| 100.00 | 12.50  | 15.07# |
| 0.00   | 0.00   | 0.00   |

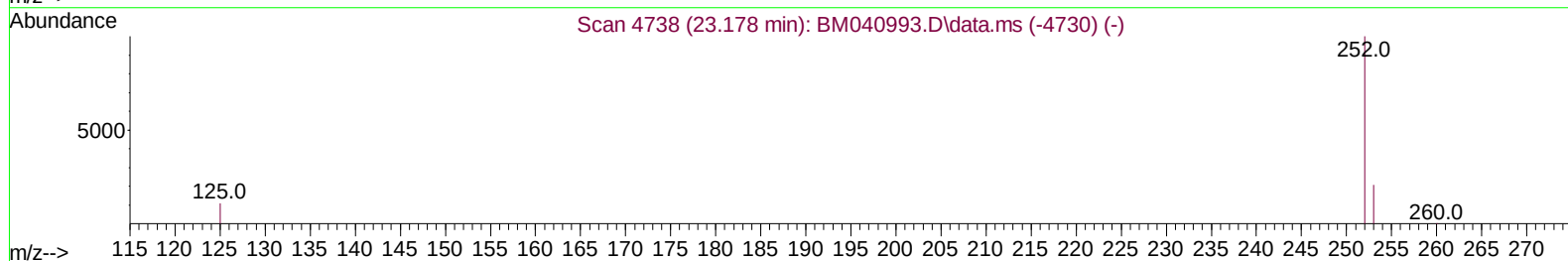
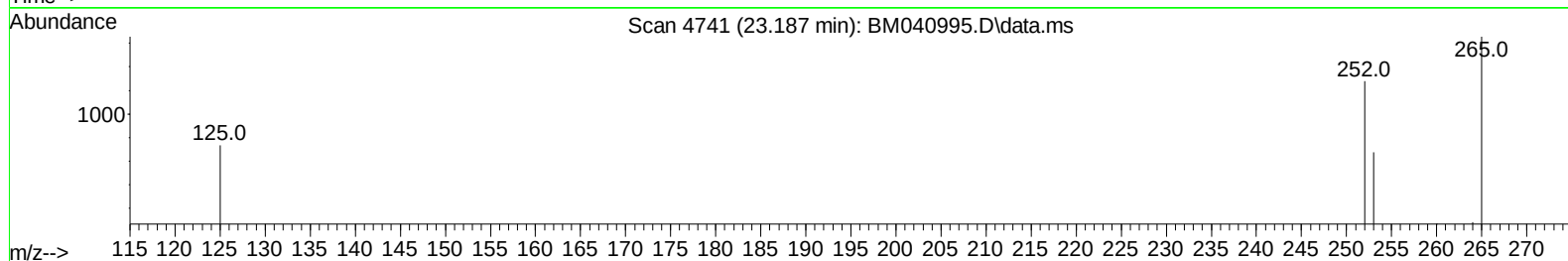
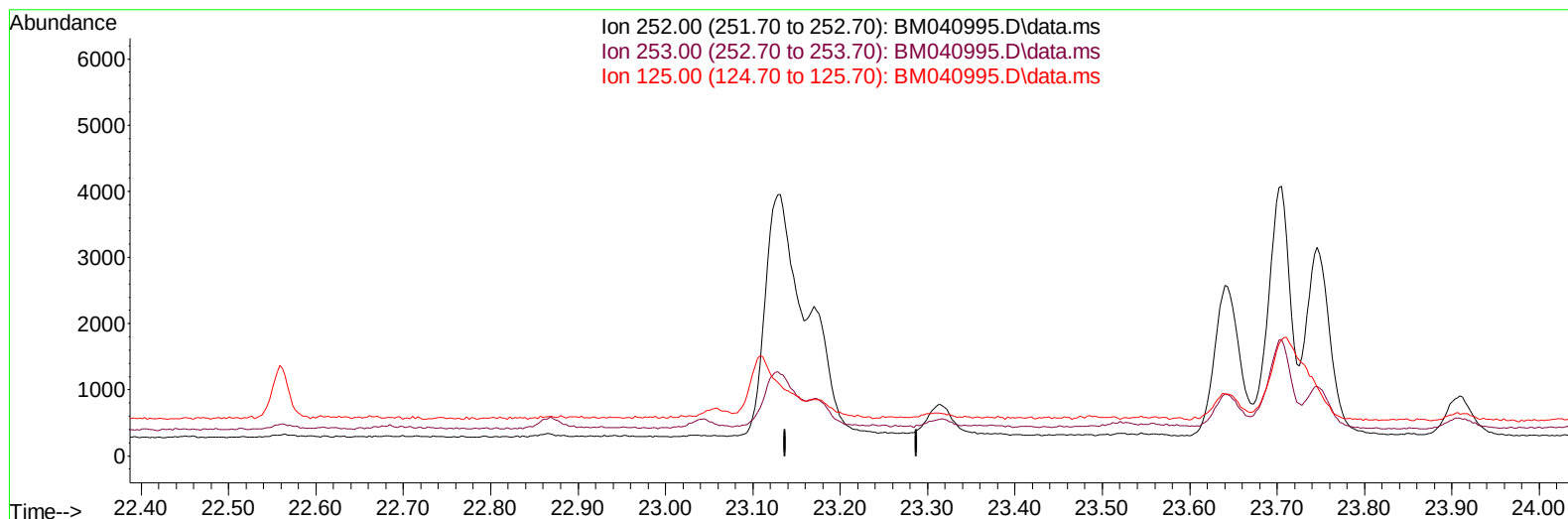
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 Data File : BM040995.D  
 Acq On : 21 Jul 2023 00:11  
 Operator : MA/JU  
 Sample : 03444-05  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A46R6

Manual IntegrationsAPPROVED

Quant Time: Jul 21 01:42:45 2023  
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TIC: BM040995.D\data.ms

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

23.187min (-23.187) 0.00 ng/u1

response 0

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 252.00 | 100.00 | 0.00  |
| 253.00 | 29.10  | 0.00# |
| 125.00 | 22.70  | 0.00# |
| 0.00   | 0.00   | 0.00  |

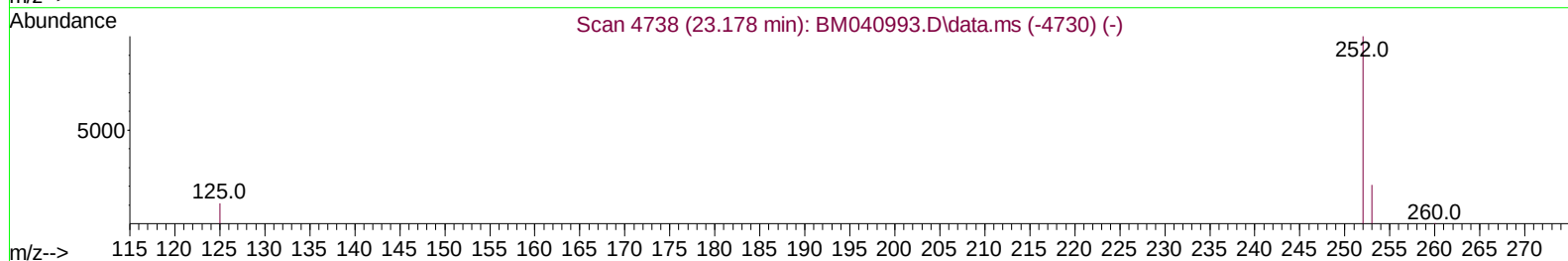
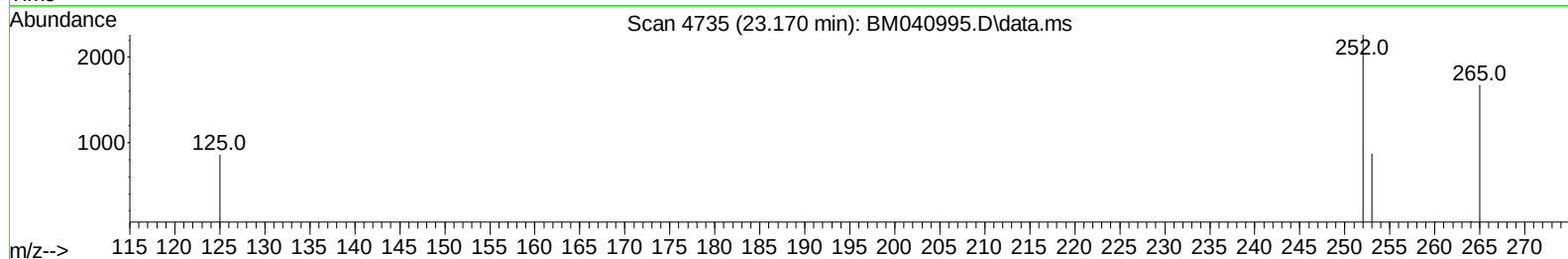
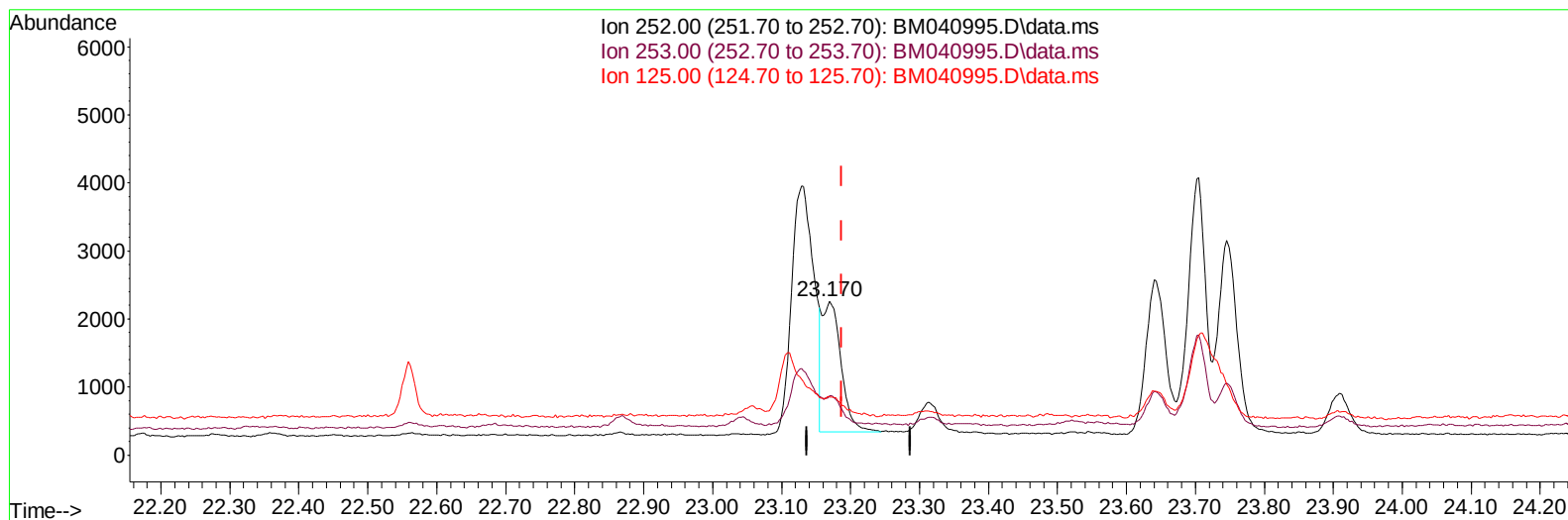
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 Data File : BM040995.D  
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 Operator : MA/JU  
 Sample : 03444-05  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A46R6

Manual IntegrationsAPPROVED

Quant Time: Jul 21 01:42:45 2023  
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TIC: BM040995.D\data.ms

(25) Benzo(k)fluoranthene

23.170min (-0.017) 0.08 ng/ul m

response 3628

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 29.10  | 38.49# |
| 125.00 | 22.70  | 37.78# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072023\  
 Data File : BM040995.D  
 Acq On : 21 Jul 2023 00:11  
 Operator : MA/JU  
 Sample : 03444-05  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A46R6

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/21/2023  
 Supervised By :mohammad ahmed 07/21/2023

Quant Time: Jul 21 01:42:45 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.862  | 152  | 5771     | 0.400 | ng/ul  | -0.02    |
| 4) Naphthalene-d8           | 10.669 | 136  | 16588    | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.518 | 164  | 7639     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.274 | 188  | 23096    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.466 | 240  | 10076    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.854 | 264  | 12014    | 0.400 | ng/ul  | #-0.02   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.280  | 96   | 56250    | 5.928 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.264 | 152  | 12131    | 0.549 | ng/ul  | -0.02    |
| 18) Fluoranthene-d10        | 19.301 | 212  | 19016    | 0.449 | ng/ul  | -0.01    |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 10) Acenaphthylene          | 14.236 | 152  | 1127     | 0.035 | ng/ul# | 74       |
| 15) Phenanthrene            | 17.312 | 178  | 10715    | 0.155 | ng/ul  | 99       |
| 16) Anthracene              | 17.405 | 178  | 2066     | 0.038 | ng/ul# | 88       |
| 19) Fluoranthene            | 19.334 | 202  | 12965    | 0.249 | ng/ul  | 98       |
| 20) Pyrene                  | 19.696 | 202  | 11480m   | 0.216 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.448 | 228  | 5418     | 0.177 | ng/ul  | 96       |
| 22) Chrysene                | 21.501 | 228  | 5406     | 0.154 | ng/ul  | 96       |
| 24) Benzo(b)fluoranthene    | 23.129 | 252  | 8270     | 0.179 | ng/ul  | 91       |
| 25) Benzo(k)fluoranthene    | 23.170 | 252  | 3628m    | 0.083 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.746 | 252  | 5251     | 0.132 | ng/ul  | 97       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.324 | 276  | 4736     | 0.090 | ng/ul# | 87       |
| 28) Dibenzo(a,h)anthracene  | 26.334 | 278  | 1045     | 0.026 | ng/ul# | 42       |
| 29) Benzo(g,h,i)perylene    | 27.085 | 276  | 5108     | 0.105 | ng/ul  | 96       |
| -----                       |        |      |          |       |        |          |

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

