

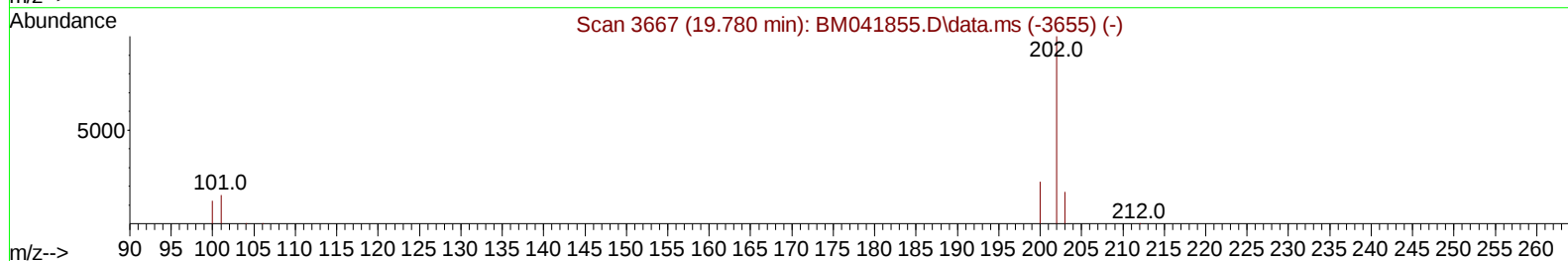
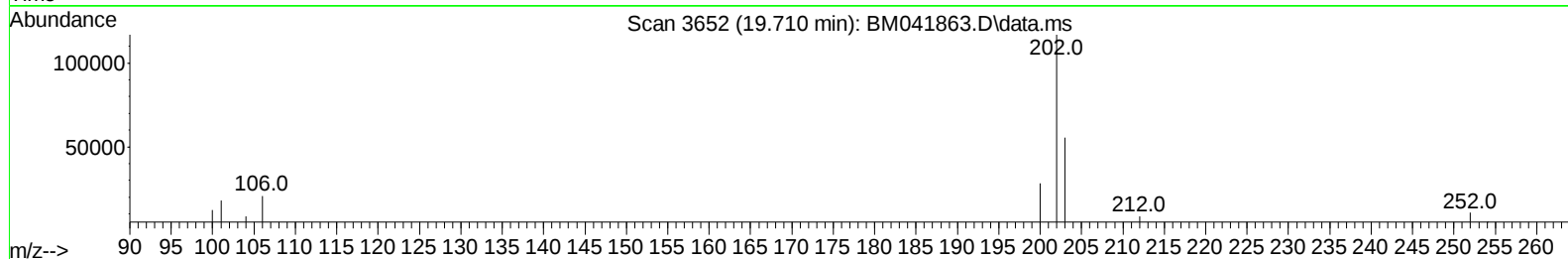
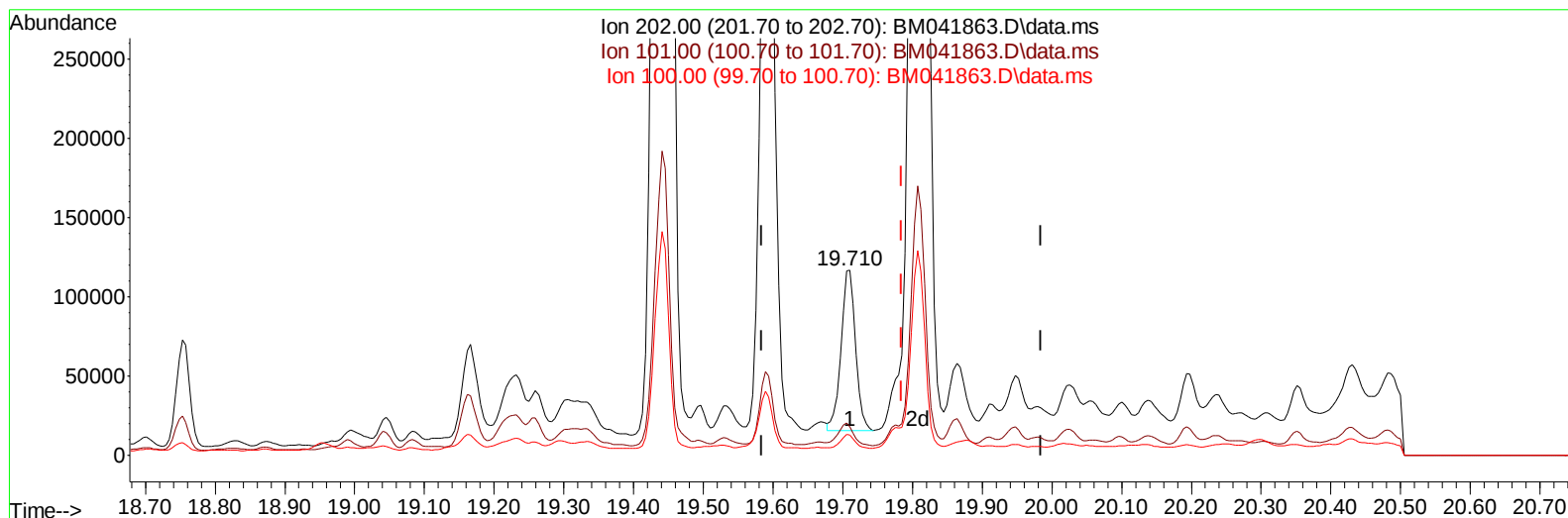
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM091323\  
 Data File : BM041863.D  
 Acq On : 14 Sep 2023 12:33  
 Operator : MA/JU  
 Sample : 04175-10  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EZYK4

Manual IntegrationsAPPROVED

Quant Time: Sep 15 00:28:53 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM091323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 13 16:15:23 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/15/2023  
 Supervised By :mohammad ahmed 09/15/2023



TIC: BM041863.D\data.ms

**(20) Pyrene**

**19.710min (-0.074) 2.40 ng/u1**

**response 147164**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 15.80  | 15.40  |
| 100.00 | 12.40  | 10.66  |
| 0.00   | 0.00   | 0.00   |

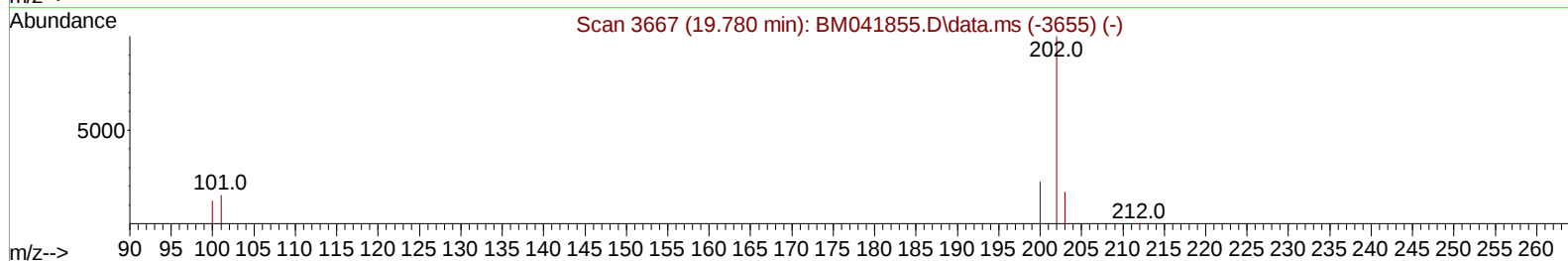
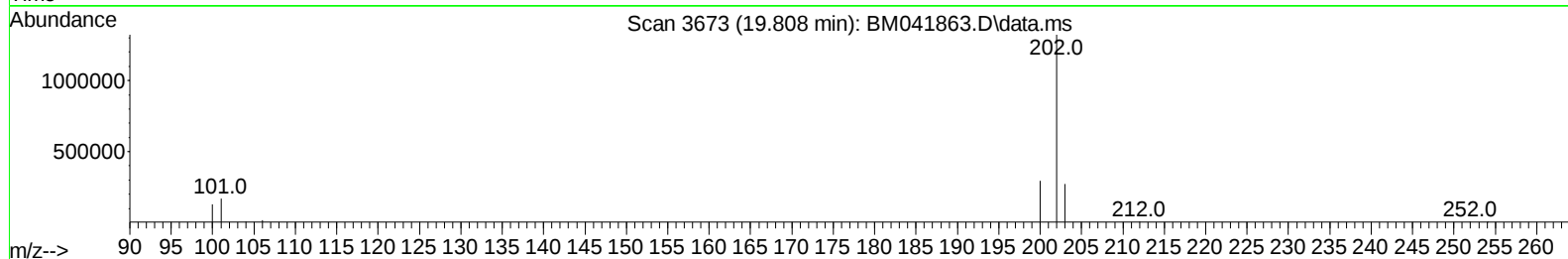
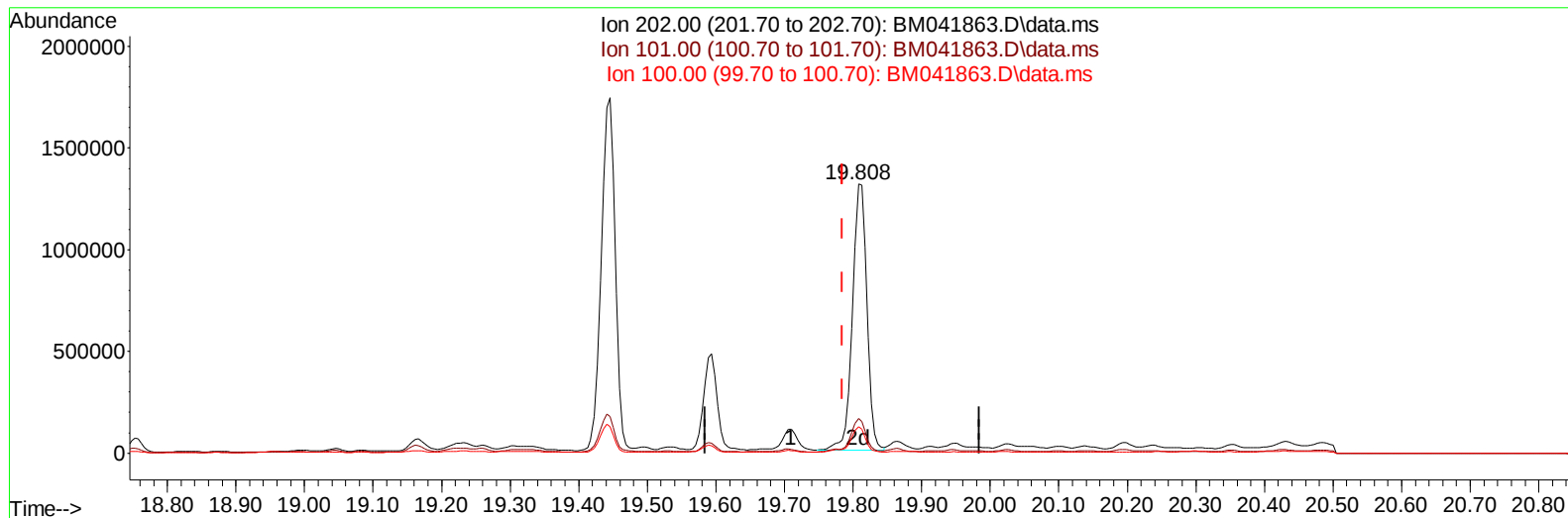
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TIC: BM041863.D\data.ms

**(20) Pyrene**

**19.808min (+ 0.023) 30.51 ng/ul m**

**response 1871674**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 15.80  | 12.84  |
| 100.00 | 12.40  | 9.77#  |
| 0.00   | 0.00   | 0.00   |

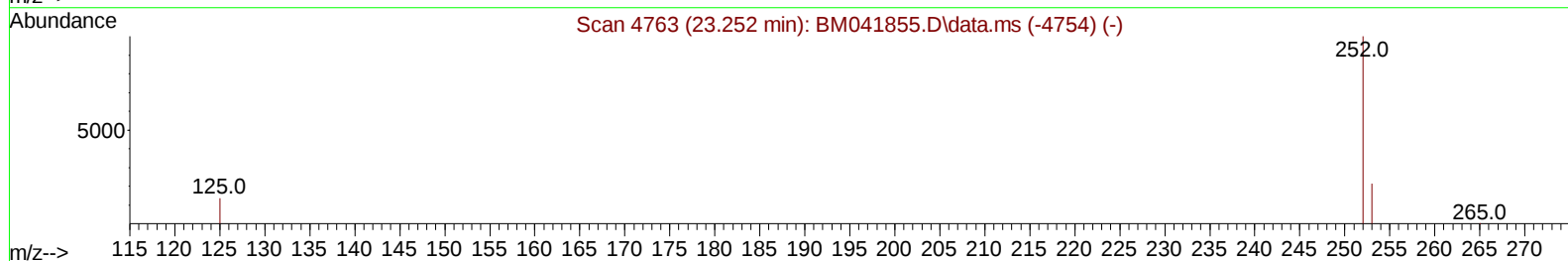
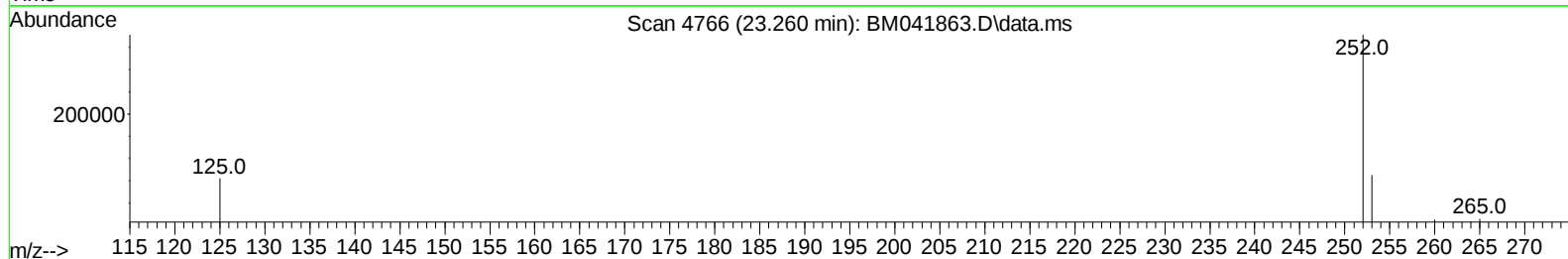
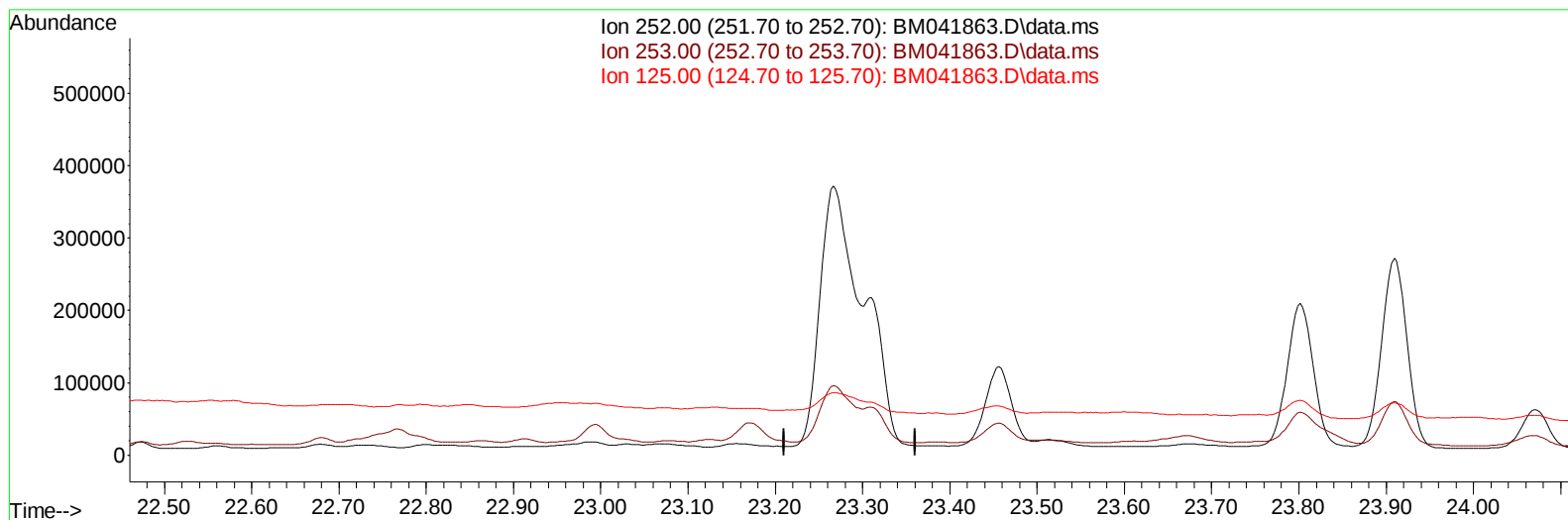
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Misc :  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EZYK4

Manual IntegrationsAPPROVED

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TIC: BM041863.D\data.ms

(25) Benzo(k)fluoranthene

23.260min (-23.260) 0.00 ng/u1

response 0

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 252.00 | 100.00 | 0.00  |
| 253.00 | 25.20  | 0.00# |
| 125.00 | 19.80  | 0.00# |
| 0.00   | 0.00   | 0.00  |

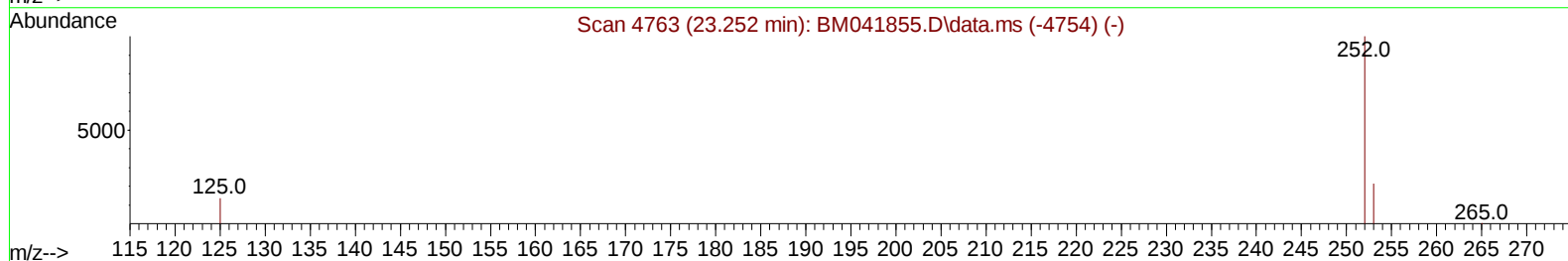
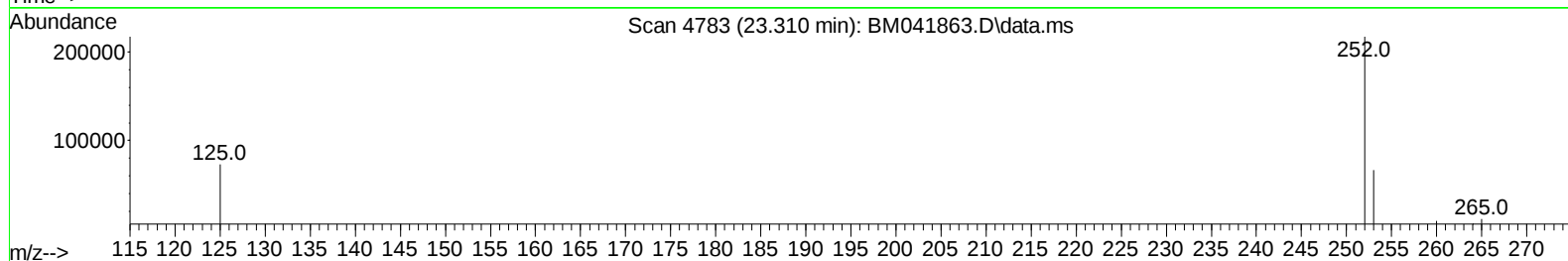
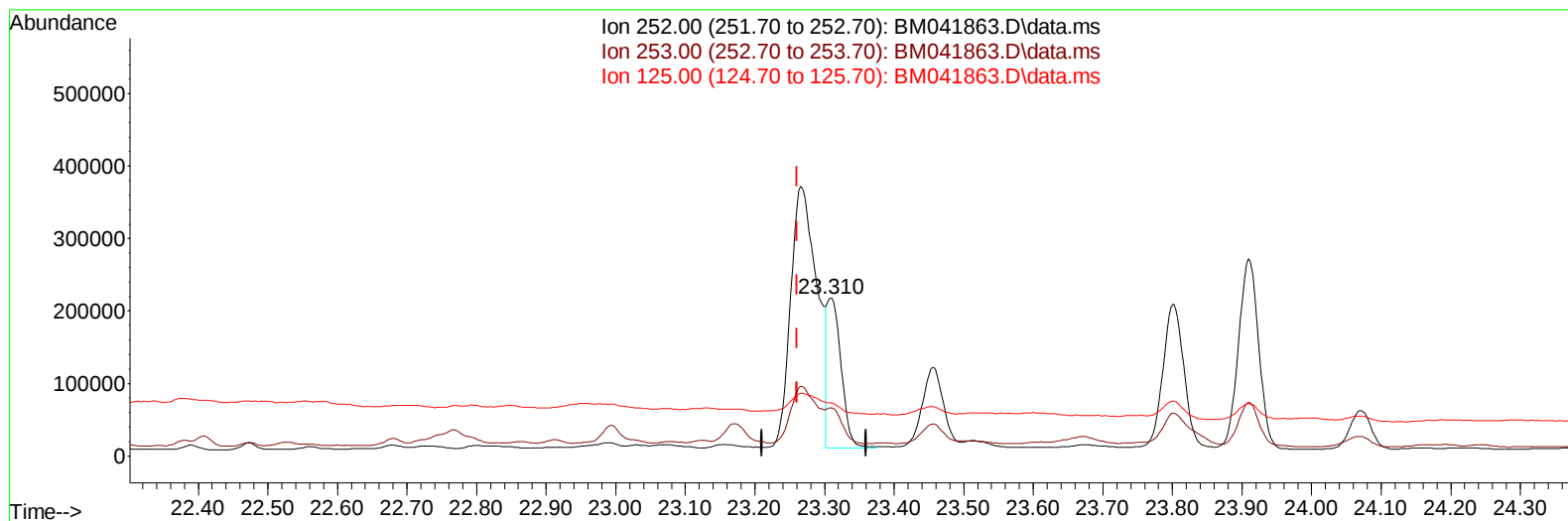
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ALS Vial : 41 Sample Multiplier: 1

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TIC: BM041863.D\data.ms

(25) Benzo(k)fluoranthene

23.310min (+ 0.050) 3.82 ng/u1 m

response 289187

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 25.20  | 30.65# |
| 125.00 | 19.80  | 33.54# |
| 0.00   | 0.00   | 0.00   |

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 Sample : 04175-10  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EZYK4

## Manual IntegrationsAPPROVED

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| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.979  | 152  | 8059     | 0.400  | ng/ul  | # 0.00   |
| 4) Naphthalene-d8           | 10.796 | 136  | 20452    | 0.400  | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.624 | 164  | 10656    | 0.400  | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.379 | 188  | 18846    | 0.400  | ng/ul  | # 0.01   |
| 17) Chrysene-d12            | 21.571 | 240  | 7565     | 0.400  | ng/ul  | # 0.03   |
| 23) Perylene-d12            | 24.018 | 264  | 11529    | 0.400  | ng/ul  | # 0.06   |
|                             |        |      |          |        |        |          |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.381  | 96   | 25102    | 2.449  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.379 | 152  | 5443     | 0.196  | ng/ul  | 0.01     |
| 18) Fluoranthene-d10        | 19.417 | 212  | 7364     | 0.284  | ng/ul  | 0.03     |
|                             |        |      |          |        |        |          |
| Target Compounds            |        |      |          | Qvalue |        |          |
| 5) Naphthalene              | 10.845 | 128  | 293309   | 4.255  | ng/ul  | 100      |
| 7) 2-Methylnaphthalene      | 12.451 | 142  | 210544   | 5.083  | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.671 | 142  | 248771   | 5.887  | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.356 | 152  | 461730   | 6.906  | ng/ul  | 99       |
| 11) Acenaphthene            | 14.689 | 153  | 159477   | 3.118  | ng/ul  | 99       |
| 12) Fluorene                | 15.679 | 166  | 562837   | 9.418  | ng/ul  | 100      |
| 15) Phenanthrene            | 17.426 | 178  | 2408248  | 29.273 | ng/ul  | 99       |
| 16) Anthracene              | 17.519 | 178  | 1046526  | 14.594 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.445 | 202  | 2466379  | 42.092 | ng/ul# | 92       |
| 20) Pyrene                  | 19.808 | 202  | 1871674m | 30.509 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.553 | 228  | 771426   | 15.456 | ng/ul# | 90       |
| 22) Chrysene                | 21.609 | 228  | 743246   | 14.547 | ng/ul# | 90       |
| 24) Benzo(b)fluoranthene    | 23.266 | 252  | 946365   | 11.536 | ng/ul  | 96       |
| 25) Benzo(k)fluoranthene    | 23.310 | 252  | 289187m  | 3.825  | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.909 | 252  | 530124   | 8.475  | ng/ul  | 97       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.538 | 276  | 403660   | 4.196  | ng/ul# | 78       |
| 28) Dibenzo(a,h)anthracene  | 26.552 | 278  | 114219   | 1.610  | ng/ul# | 52       |
| 29) Benzo(g,h,i)perylene    | 27.337 | 276  | 343138   | 4.216  | ng/ul  | 95       |
| -----                       |        |      |          |        |        |          |

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

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