

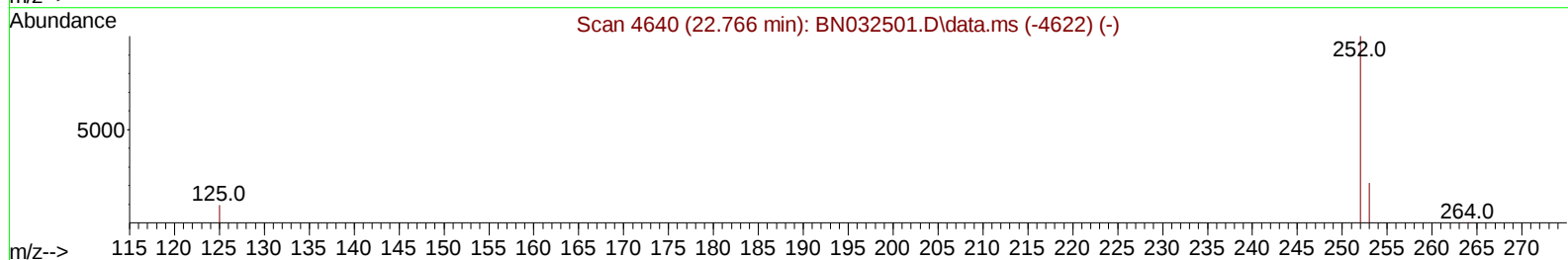
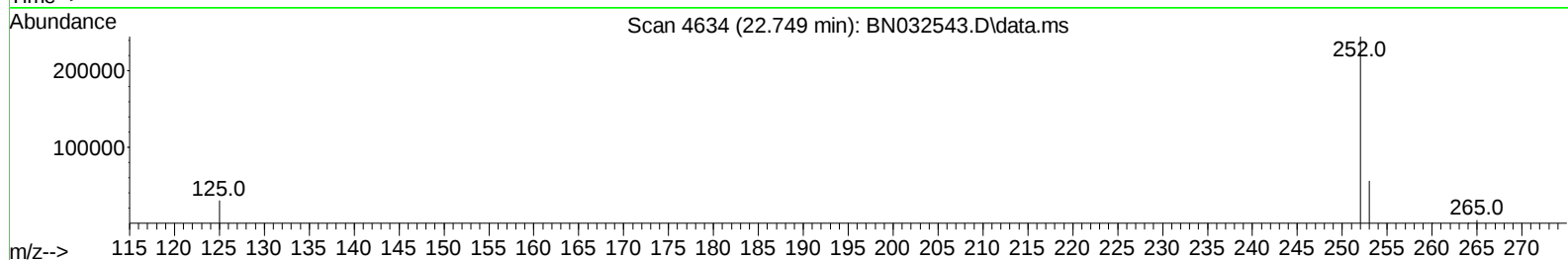
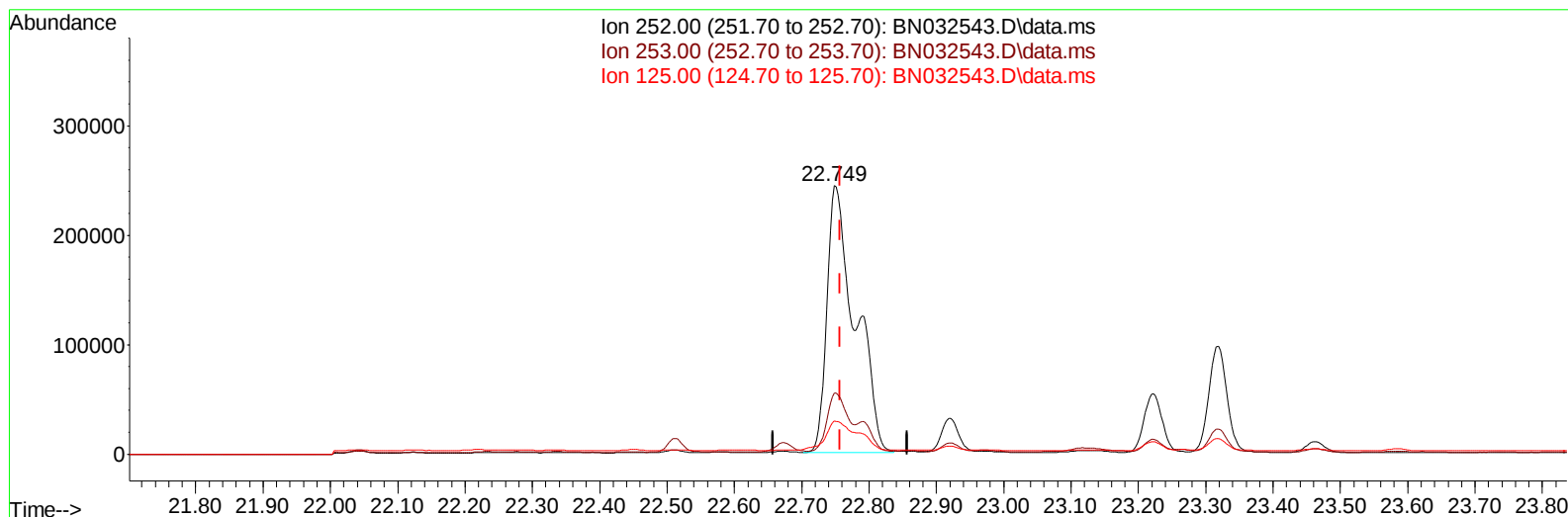
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070524\  
Data File : BN032543.D  
Acq On : 06 Jul 2024 13:00  
Operator : MA/JU  
Sample : P2982-03MSD  
Misc :  
ALS Vial : 44 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A4CT2MSD

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:17 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN062724.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 03 03:26:42 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



TIC: BN032543.D\data.ms

(24) Benzo(b)fluoranthene

22.749min (-0.009) 5.82 ng/u1

response 708859

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 25.10  | 22.82  |
| 125.00 | 16.00  | 12.31  |
| 0.00   | 0.00   | 0.00   |

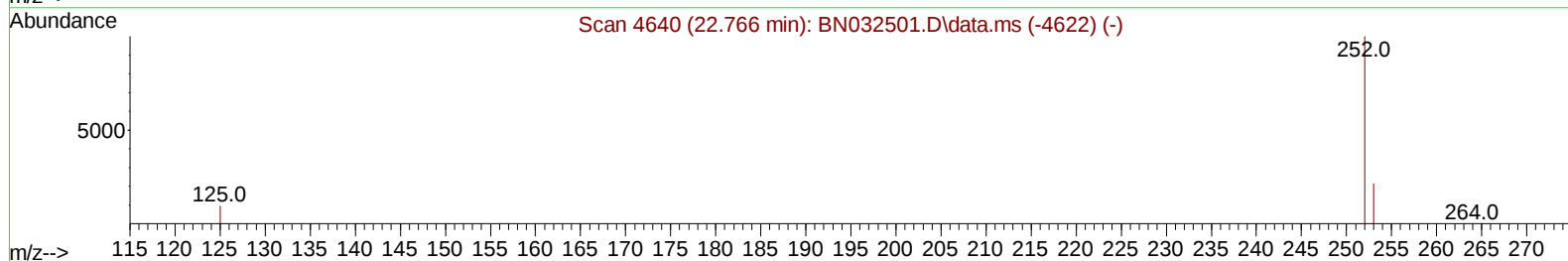
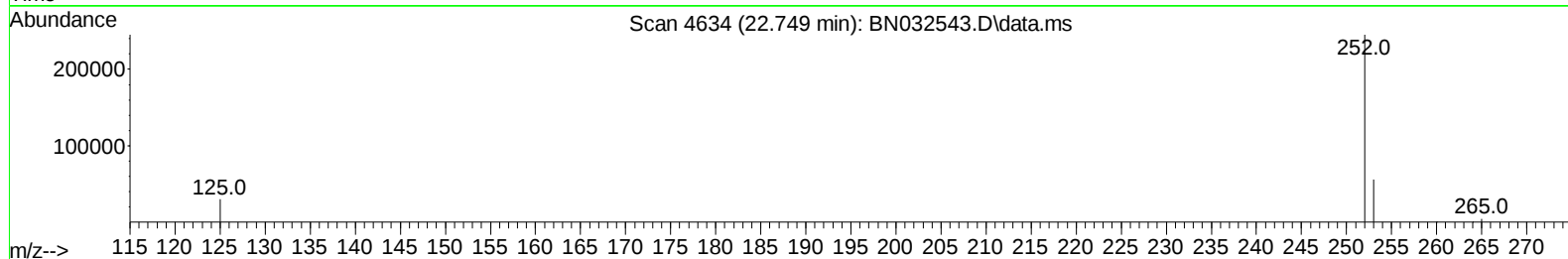
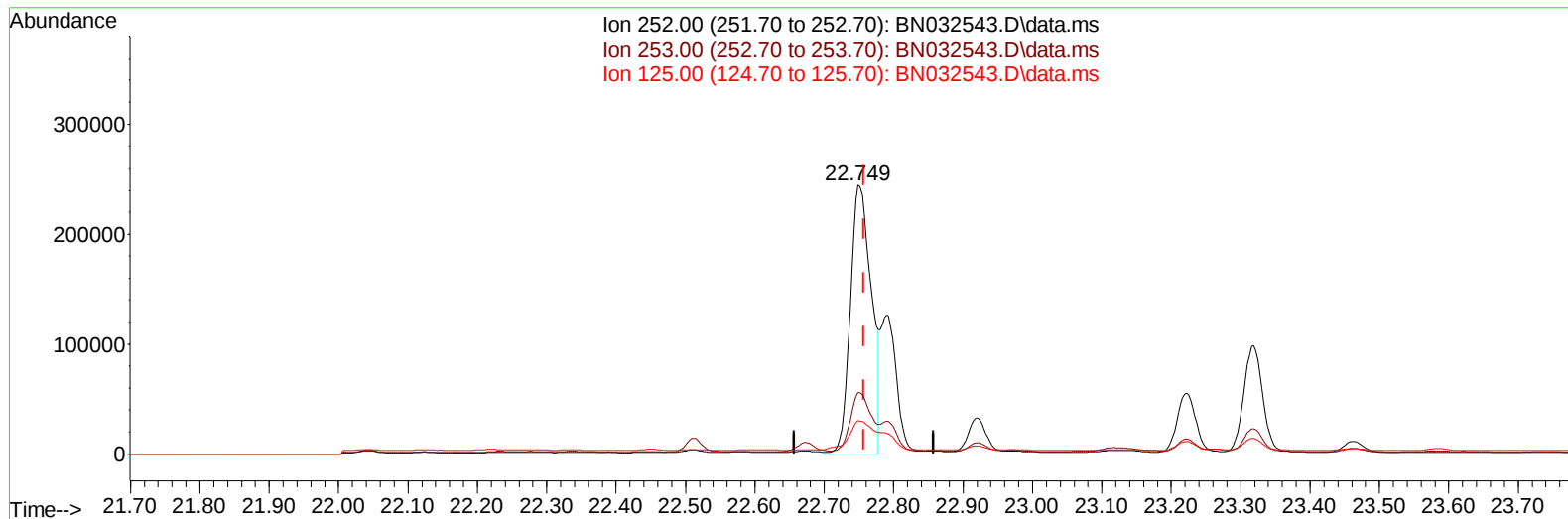
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070524\  
Data File : BN032543.D  
Acq On : 06 Jul 2024 13:00  
Operator : MA/JU  
Sample : P2982-03MSD  
Misc :  
ALS Vial : 44 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A4CT2MSD

Manual IntegrationsAPPROVED

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TIC: BN032543.D\data.ms

(24) Benzo(b)fluoranthene

22.749min (-0.009) 4.27 ng/u1 m

response 520356

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 25.10  | 22.82  |
| 125.00 | 16.00  | 12.31  |
| 0.00   | 0.00   | 0.00   |

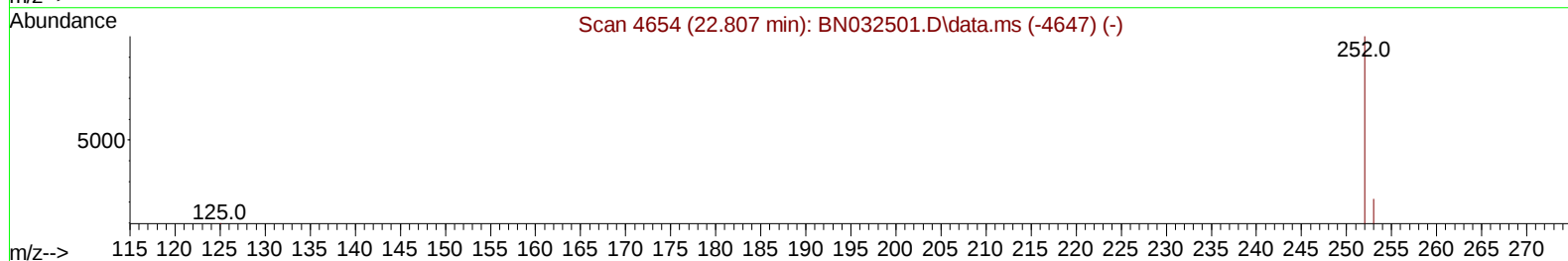
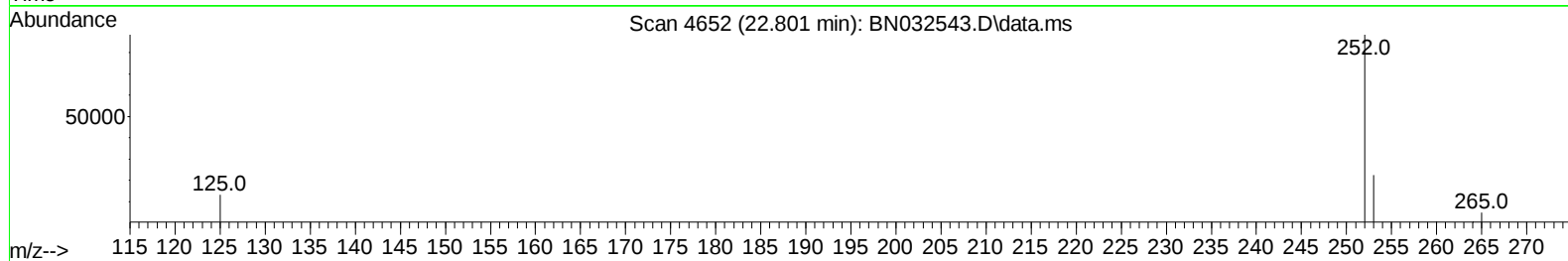
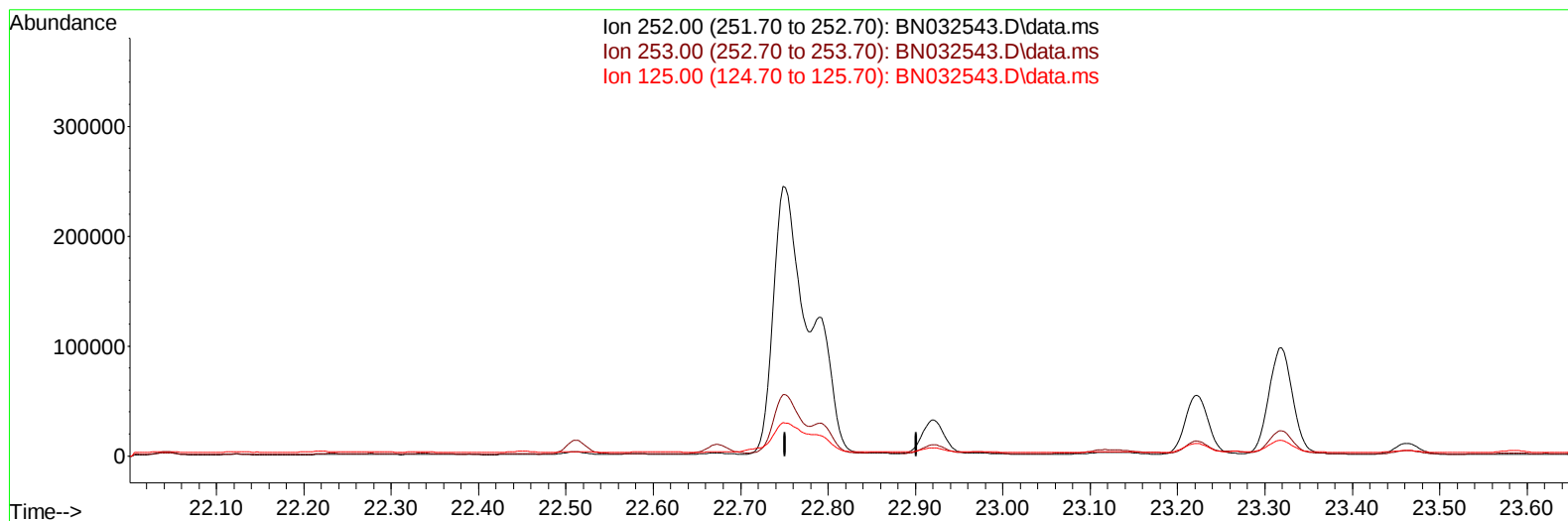
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070524\  
Data File : BN032543.D  
Acq On : 06 Jul 2024 13:00  
Operator : MA/JU  
Sample : P2982-03MSD  
Misc :  
ALS Vial : 44 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A4CT2MSD

Manual IntegrationsAPPROVED

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TIC: BN032543.D\data.ms

(25) Benzo(k)fluoranthene

22.801min (-22.801) 0.00 ng/u1

response 0

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 252.00 | 100.00 | 0.00  |
| 253.00 | 25.40  | 0.00# |
| 125.00 | 16.00  | 0.00# |
| 0.00   | 0.00   | 0.00  |

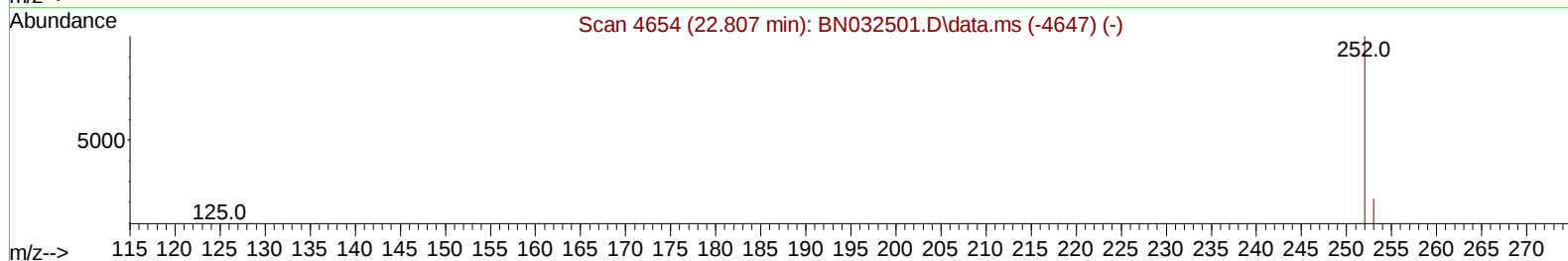
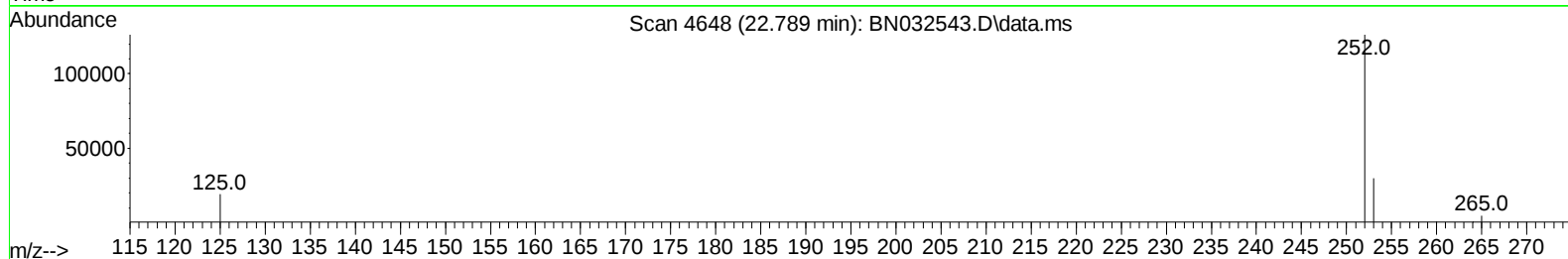
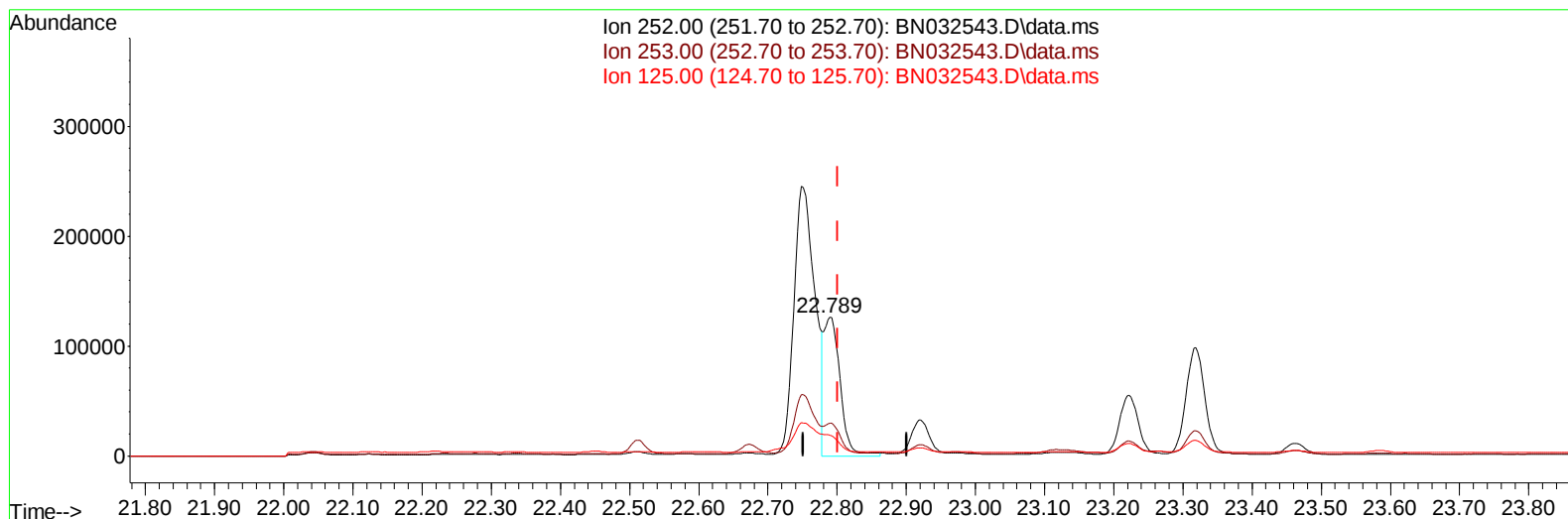
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Sample : P2982-03MSD  
Misc :  
ALS Vial : 44 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A4CT2MSD

Manual IntegrationsAPPROVED

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TIC: BN032543.D\data.ms

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

22.789min (-0.012) 1.74 ng/u1 m

response 206326

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 25.40  | 23.52  |
| 125.00 | 16.00  | 15.08  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070524\  
 Data File : BN032543.D  
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 Operator : MA/JU  
 Sample : P2982-03MSD  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A4CT2MSD

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/08/2024  
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Quant Time: Jul 07 23:45:17 2024  
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 QLast Update : Wed Jul 03 03:26:42 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.595  | 152  | 6134     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.371 | 136  | 18398    | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.239 | 164  | 10711    | 0.400 | ng/ul  | -0.01    |
| 13) Phenanthrene-d10        | 16.991 | 188  | 22016    | 0.400 | ng/ul  | -0.02    |
| 17) Chrysene-d12            | 21.200 | 240  | 21336    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.415 | 264  | 28047    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.143  | 96   | 882      | 0.129 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.971 | 152  | 1957     | 0.071 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.031 | 212  | 6046     | 0.094 | ng/ul  | -0.01    |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.173  | 88   | 2399     | 0.309 | ng/ul# | 83       |
| 5) Naphthalene              | 10.415 | 128  | 8989     | 0.185 | ng/ul  | 96       |
| 7) 2-Methylnaphthalene      | 12.043 | 142  | 4178     | 0.129 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.263 | 142  | 3896     | 0.116 | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.962 | 152  | 21059    | 0.473 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.299 | 153  | 9989     | 0.289 | ng/ul  | 98       |
| 12) Fluorene                | 15.299 | 166  | 12039    | 0.292 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.666 | 266  | 1059     | 0.213 | ng/ul  | 98       |
| 15) Phenanthrene            | 17.033 | 178  | 244140   | 4.045 | ng/ul  | 99       |
| 16) Anthracene              | 17.130 | 178  | 51809    | 0.962 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.059 | 202  | 650733   | 8.009 | ng/ul  | 97       |
| 20) Pyrene                  | 19.426 | 202  | 475127   | 5.596 | ng/ul  | 100      |
| 21) Benzo(a)anthracene      | 21.185 | 228  | 299107   | 3.884 | ng/ul  | 98       |
| 22) Chrysene                | 21.238 | 228  | 357614   | 4.231 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.749 | 252  | 520356m  | 4.270 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.789 | 252  | 206326m  | 1.743 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.319 | 252  | 183735   | 2.167 | ng/ul# | 90       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.643 | 276  | 190488   | 1.435 | ng/ul# | 94       |
| 28) Dibenzo(a,h)anthracene  | 25.643 | 278  | 70918    | 0.719 | ng/ul  | 95       |
| 29) Benzo(g,h,i)perylene    | 26.334 | 276  | 26269    | 0.248 | ng/ul# | 85       |
| -----                       |        |      |          |       |        |          |

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

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