

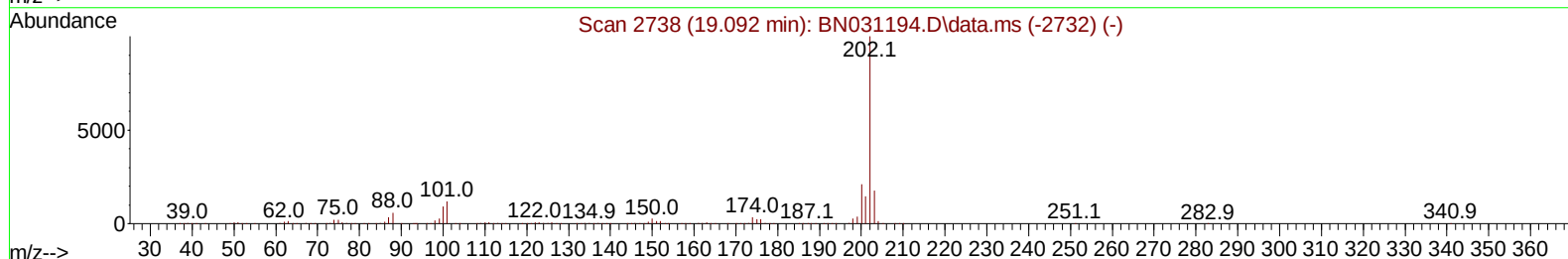
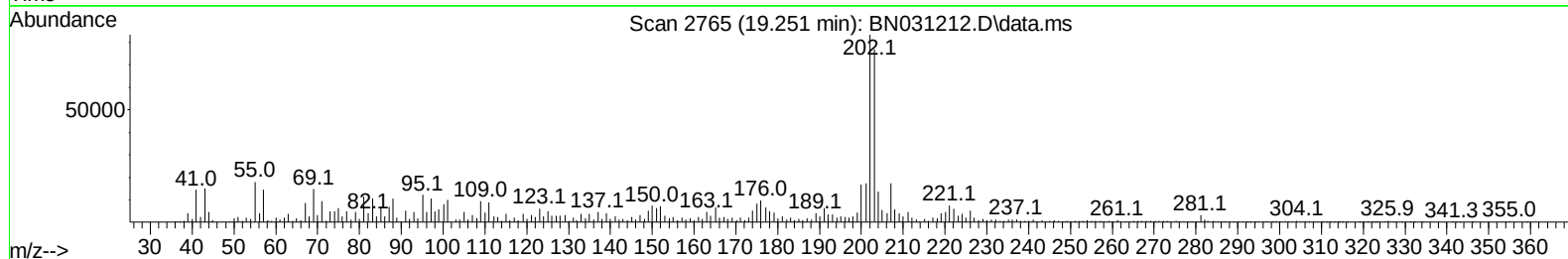
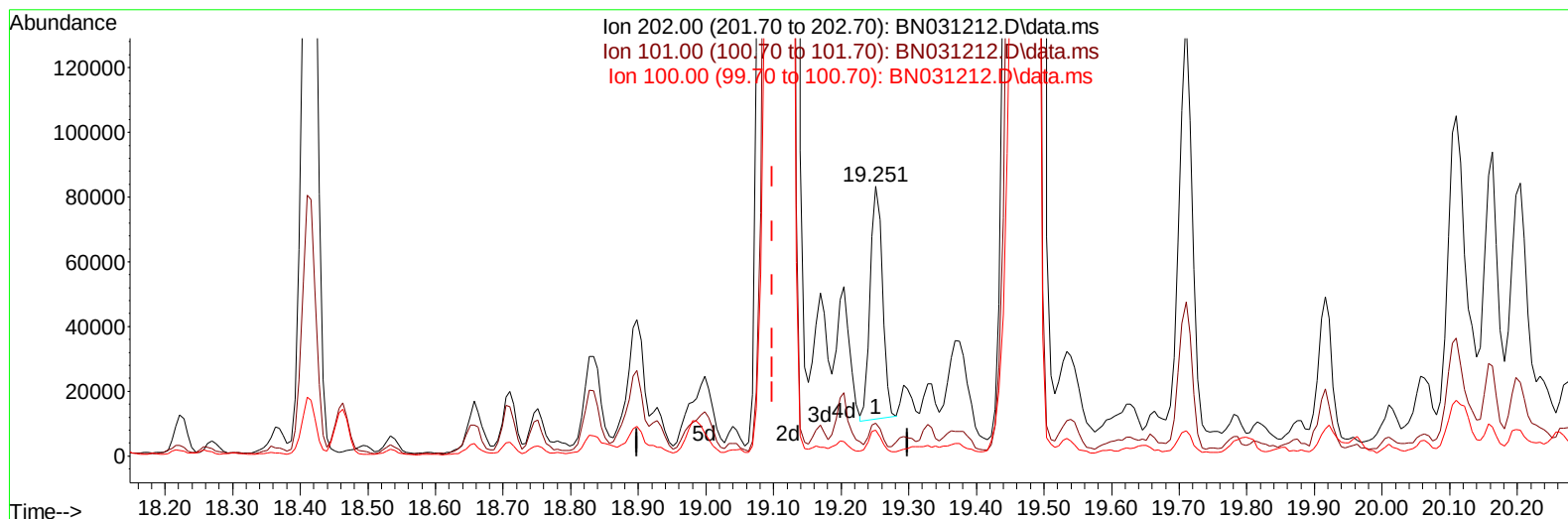
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042424\  
 Data File : BN031212.D  
 Acq On : 25 Apr 2024 07:26  
 Operator : MA/JU  
 Sample : P2104-03  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AA5

Manual IntegrationsAPPROVED

Quant Time: Apr 25 07:54:57 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN041924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 19 22:56:25 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/26/2024  
 Supervised By :mohammad ahmed 04/27/2024



TIC: BN031212.D\data.ms

**(80) Fluoranthene**

**19.251min (+ 0.153) 1.62 ng/u1**

**response 90547**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 11.30  | 12.14  |
| 100.00 | 8.60   | 9.59   |
| 0.00   | 0.00   | 0.00   |

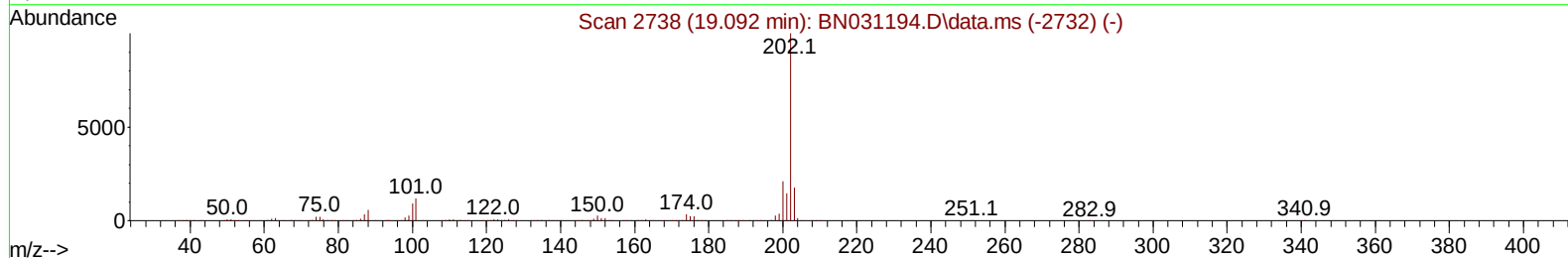
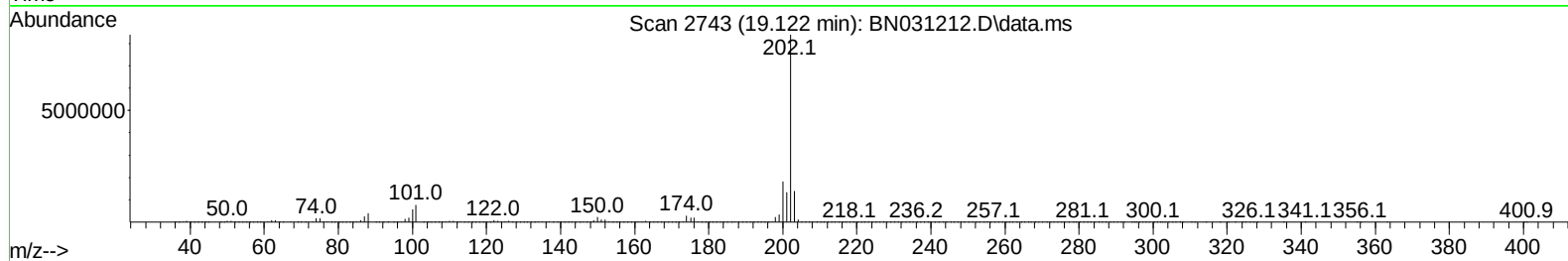
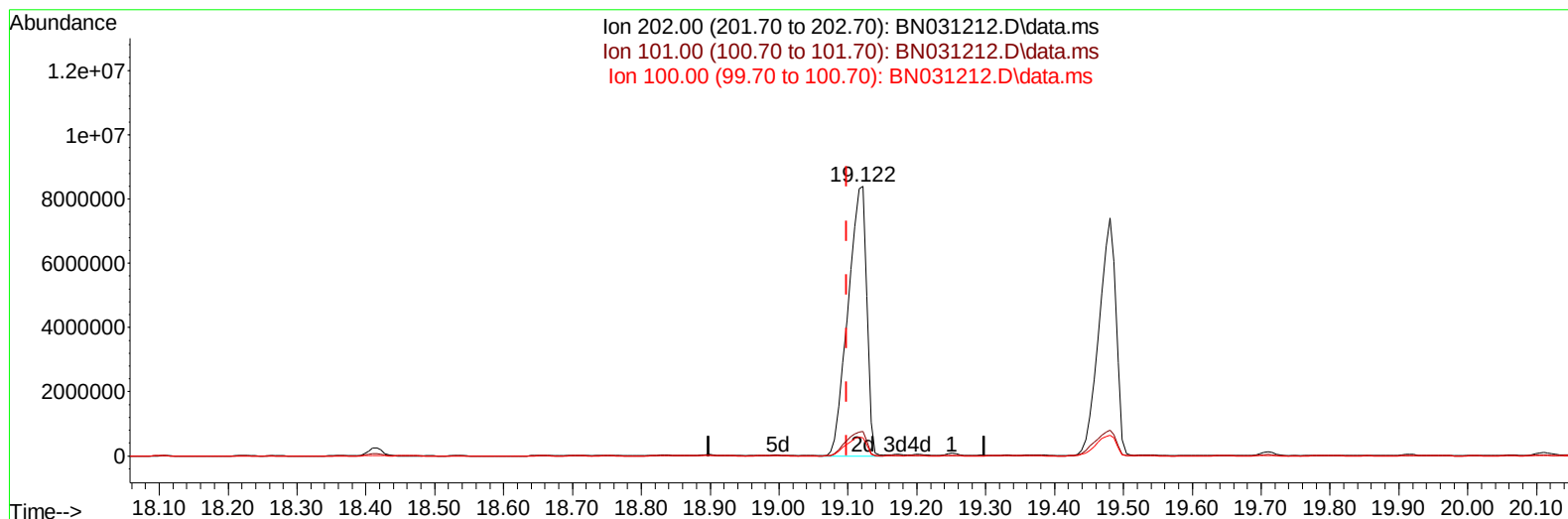
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Data File : BN031212.D  
Acq On : 25 Apr 2024 07:26  
Operator : MA/JU  
Sample : P2104-03  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AA5

Manual IntegrationsAPPROVED

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TIC: BN031212.D\data.ms

(80) Fluoranthene

19.122min (+ 0.024) 284.30 ng/ul m

response 15928285

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 11.30  | 9.19   |
| 100.00 | 8.60   | 6.80#  |
| 0.00   | 0.00   | 0.00   |

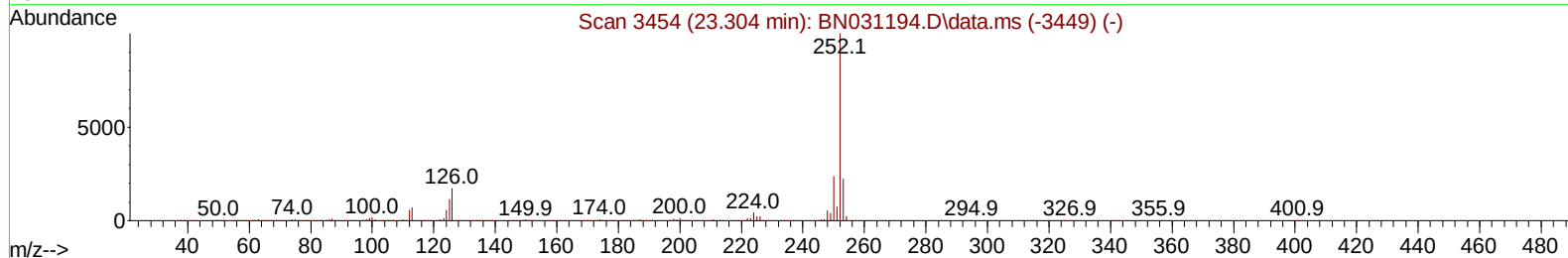
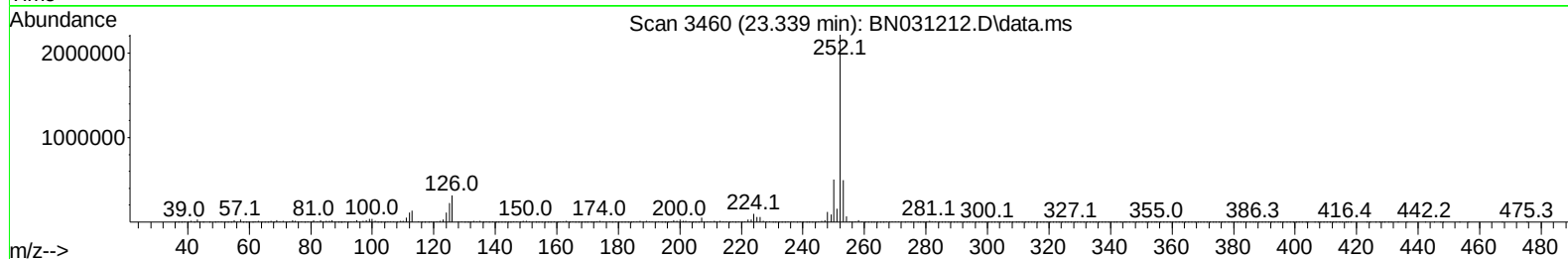
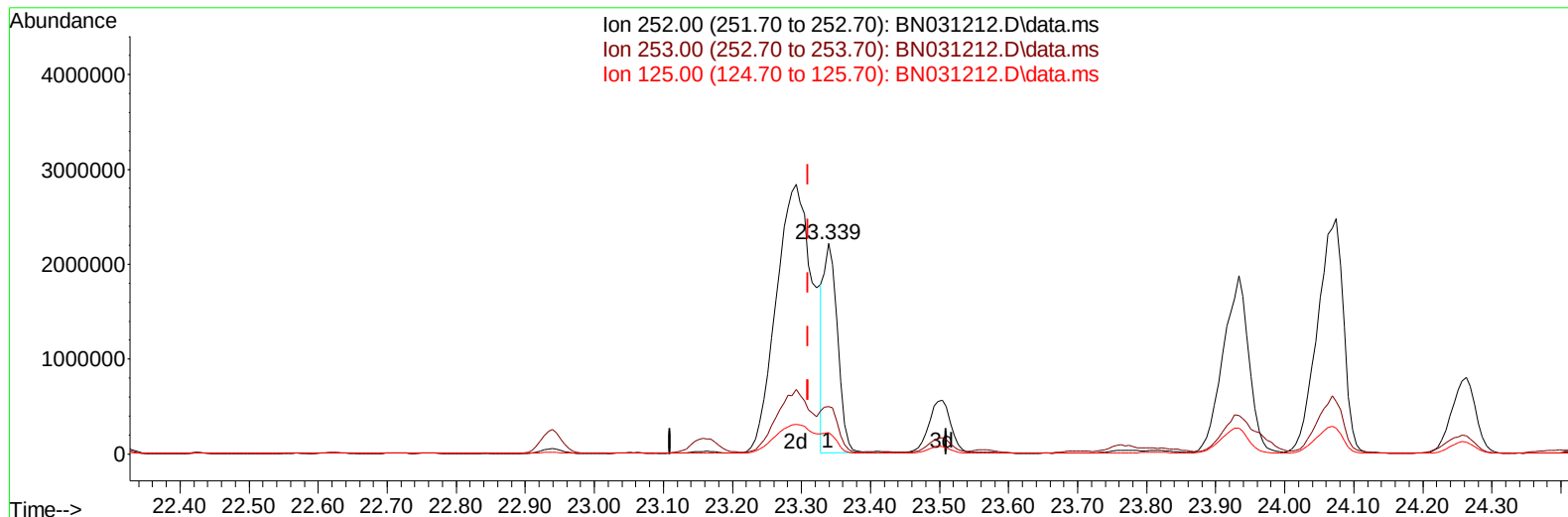
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042424\  
Data File : BN031212.D  
Acq On : 25 Apr 2024 07:26  
Operator : MA/JU  
Sample : P2104-03  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AA5

Manual IntegrationsAPPROVED

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TIC: BN031212.D\data.ms

(91) Benzo(k)fluoranthene

23.339min (+ 0.030) 45.61 ng/u1

response 3063447

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.70  | 22.50  |
| 125.00 | 11.80  | 10.11  |
| 0.00   | 0.00   | 0.00   |

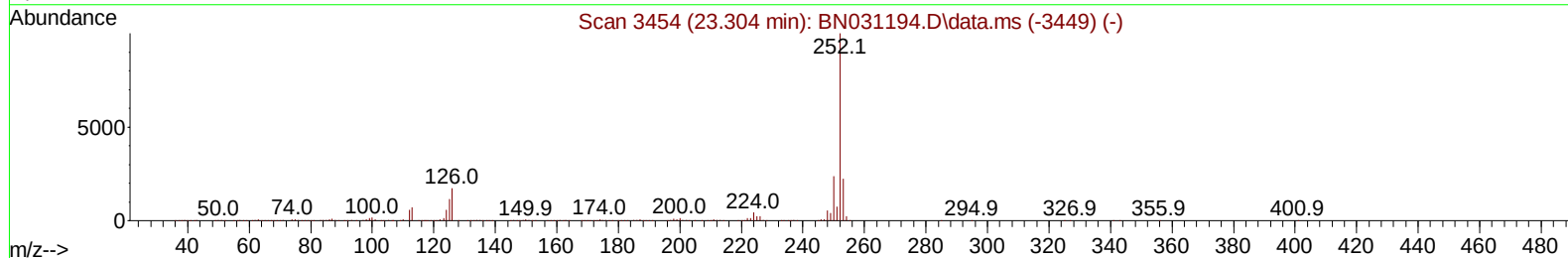
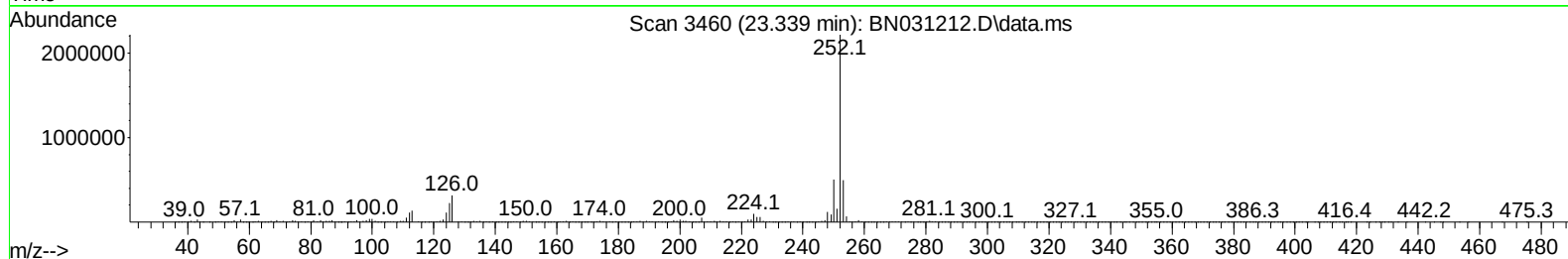
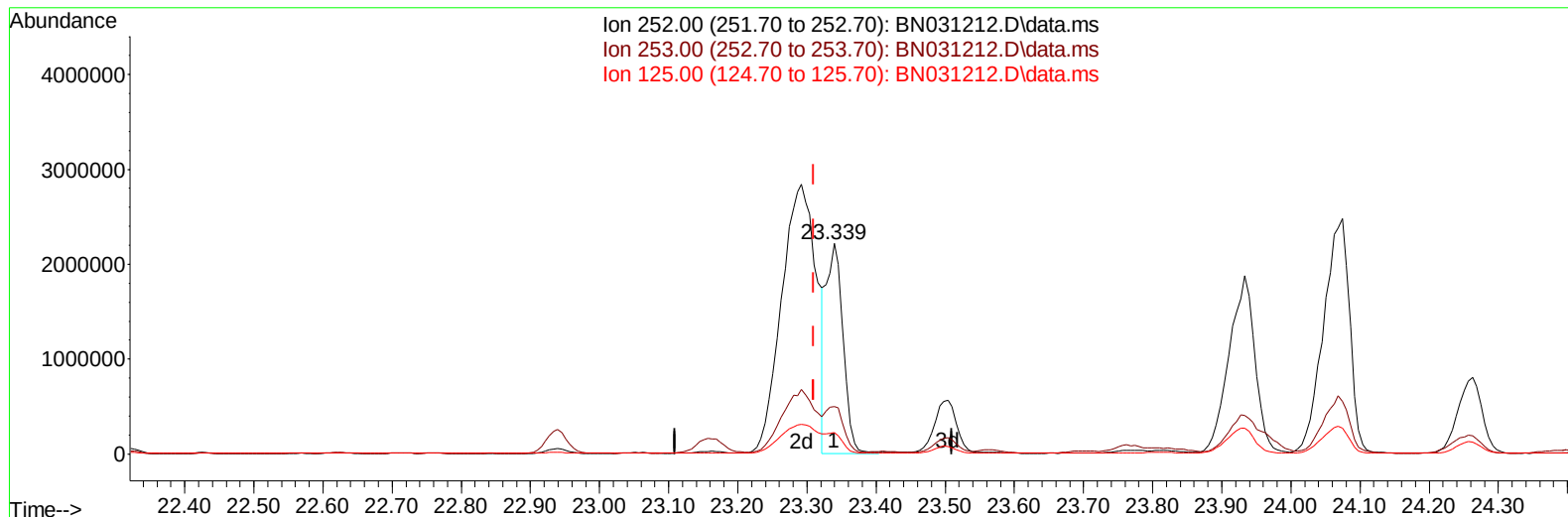
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042424\  
Data File : BN031212.D  
Acq On : 25 Apr 2024 07:26  
Operator : MA/JU  
Sample : P2104-03  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AA5

Manual IntegrationsAPPROVED

Quant Time: Apr 25 07:54:57 2024  
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TIC: BN031212.D\data.ms

(91) Benzo(k)fluoranthene

23.339min (+ 0.030) 55.70 ng/ul m

response 3741315

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.70  | 22.50  |
| 125.00 | 11.80  | 10.11  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042424\  
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 Acq On : 25 Apr 2024 07:26  
 Operator : MA/JU  
 Sample : P2104-03  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AA5

Manual IntegrationsAPPROVED

Quant Time: Apr 25 07:56:36 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN041924.MA.M  
 Quant Title : SVOA CALIBRATION  
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| Compound                      | R.T.   | Q   | Ion | Response  | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|-----|-----|-----------|---------|--------|----------|
| -----                         |        |     |     |           |         |        |          |
| Internal Standards            |        |     |     |           |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.628  | 152 |     | 267069    | 20.000  | ng/ul  | -0.01    |
| 20) Naphthalene-d8            | 10.410 | 136 |     | 1189656   | 20.000  | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.275 | 164 |     | 754060    | 20.000  | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.034 | 188 |     | 1569359   | 20.000  | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.281 | 240 |     | 963365    | 20.000  | ng/ul  | 0.01     |
| 88) Perylene-d12              | 24.192 | 264 |     | 1187002   | 20.000  | ng/ul  | # 0.02   |
| System Monitoring Compounds   |        |     |     |           |         |        |          |
| 3) 1,4-Dioxane-d8             | 3.146  | 96  |     | 10243     | 1.792   | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.552  | 84  |     | 96241     | 5.846   | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.805  | 99  |     | 275784    | 12.241  | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.969  | 67  |     | 154538    | 11.790  | ng/ul  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.164  | 132 |     | 228010    | 12.998  | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.334  | 113 |     | 229508    | 12.113  | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.787  | 128 |     | 111058    | 12.993  | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.499  | 143 |     | 116040    | 13.060  | ng/ul  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.034 | 165 |     | 223138    | 12.735  | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.558 | 131 |     | 208486    | 7.614   | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.693 | 166 |     | 688427    | 13.120  | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 13.969 | 160 |     | 816589    | 13.733  | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.504 | 143 |     | 85577     | 7.814   | ng/ul  | 0.01     |
| 60) Fluorene-d10              | 15.275 | 176 |     | 637045    | 13.946  | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.410 | 200 |     | 31856     | 4.023   | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.134 | 188 |     | 983488    | 14.458  | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.439 | 212 |     | 942171    | 19.903  | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.998 | 264 |     | 834241    | 14.821  | ng/ul  | 0.02     |
| Target Compounds              |        |     |     |           |         |        |          |
|                               |        |     |     |           |         | Qvalue |          |
| 30) Naphthalene               | 10.458 | 128 |     | 167809    | 2.722   | ng/ul  | 99       |
| 36) 2-Methylnaphthalene       | 12.075 | 142 |     | 84620     | 1.946   | ng/ul  | 98       |
| 37) 1-Methylnaphthalene       | 12.299 | 142 |     | 74376     | 1.691   | ng/ul  | 95       |
| 50) Acenaphthylene            | 13.999 | 152 |     | 175335    | 2.524   | ng/ul  | 97       |
| 52) Acenaphthene              | 14.340 | 153 |     | 446510    | 9.697   | ng/ul  | 97       |
| 56) Dibenzofuran              | 14.681 | 168 |     | 646428    | 10.154  | ng/ul  | 97       |
| 61) Fluorene                  | 15.328 | 166 |     | 728385    | 13.903  | ng/ul  | 94       |
| 72) Phenanthrene              | 17.087 | 178 |     | 10745784  | 129.457 | ng/ul  | 98       |
| 74) Anthracene                | 17.163 | 178 |     | 1630451   | 19.410  | ng/ul  | 99       |
| 77) Carbazole                 | 17.440 | 167 |     | 1690335   | 22.029  | ng/ul  | 98       |
| 80) Fluoranthene              | 19.122 | 202 |     | 15928285m | 284.297 | ng/ul  |          |
| 82) Pyrene                    | 19.481 | 202 |     | 12866083  | 218.560 | ng/ul# | 93       |
| 85) Benzo(a)anthracene        | 21.263 | 228 |     | 6499771   | 99.357  | ng/ul  | 97       |
| 87) Chrysene                  | 21.328 | 228 |     | 7382376   | 118.885 | ng/ul  | 96       |
| 90) Benzo(b)fluoranthene      | 23.292 | 252 |     | 9882651   | 147.971 | ng/ul  | 97       |
| 91) Benzo(k)fluoranthene      | 23.339 | 252 |     | 3741315m  | 55.697  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.074 | 252 |     | 6494716   | 97.478  | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.486 | 276 |     | 5463574   | 66.082  | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 27.515 | 278 |     | 1347633   | 19.859  | ng/ul# | 88       |
| 96) Benzo(g,h,i)perylene      | 28.515 | 276 |     | 4437684   | 66.652  | ng/ul  | 96       |
| -----                         |        |     |     |           |         |        |          |

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

**Instrument :**

BN<sub>A</sub>\_N

**ClientSampleId :**

C0AA5

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 04/26/2024

Supervised By :mohammad ahmed 04/27/2024

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Data File : BN031212.D  
Acq On : 25 Apr 2024 07:26  
Operator : MA/JU  
Sample : P2104-03  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AA5

## Manual IntegrationsAPPROVED

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