

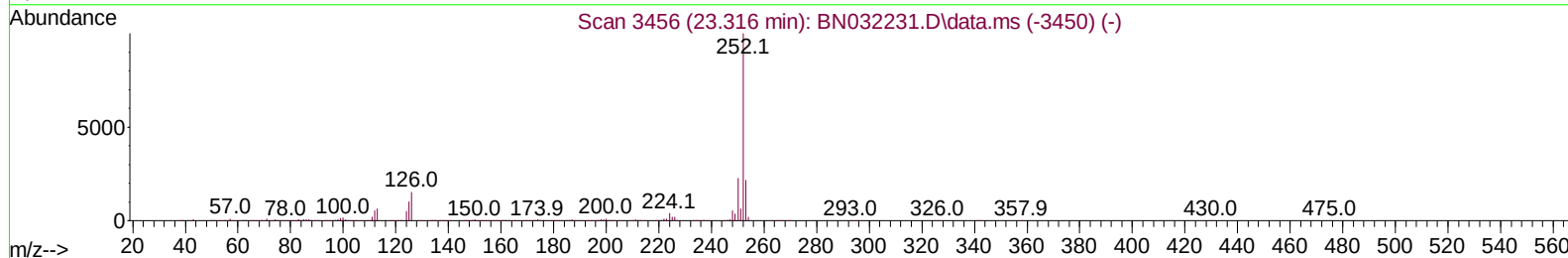
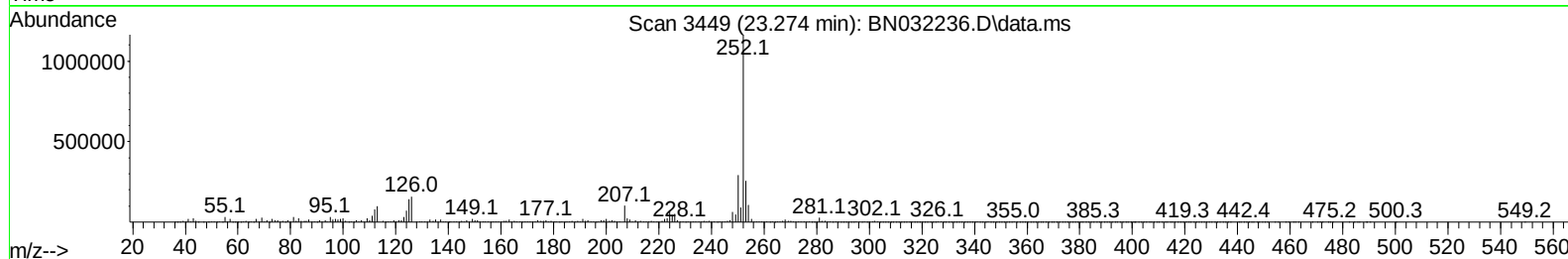
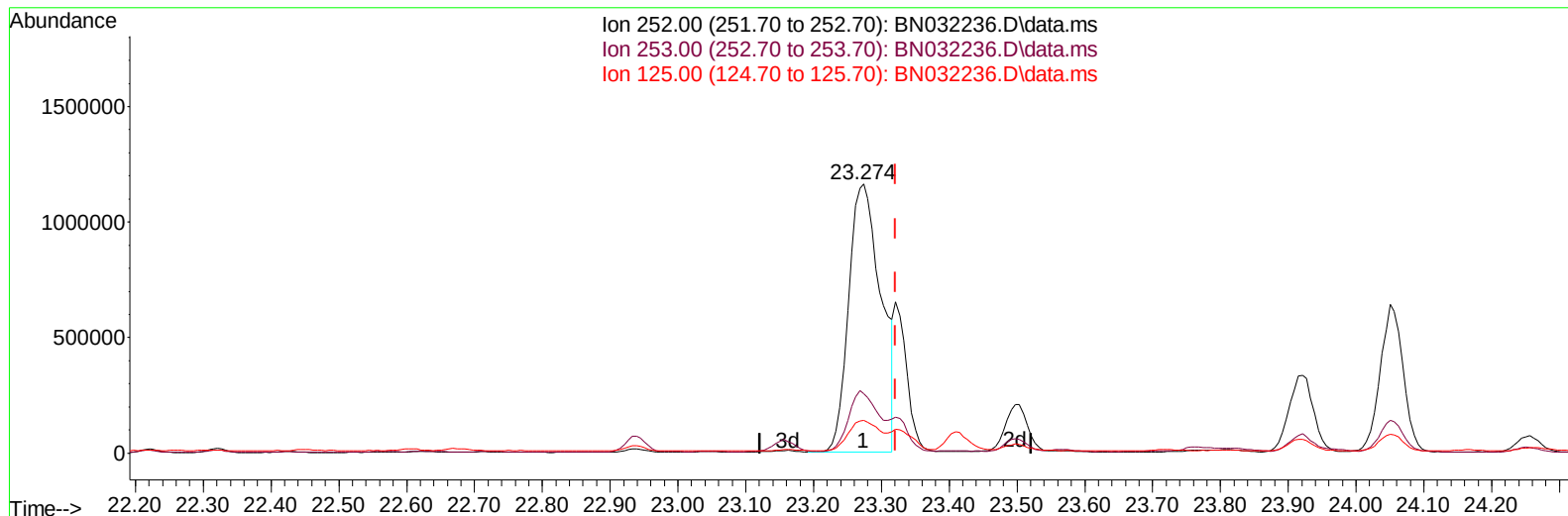
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062424\  
Data File : BN032236.D  
Acq On : 25 Jun 2024 10:43  
Operator : MA/JU  
Sample : P2844-15  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A4C69

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/26/2024  
Supervised By :Jagrut Upadhyay 06/26/2024

Quant Time: Jun 25 11:30:54 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 20 10:49:40 2024  
Response via : Initial Calibration



TIC: BN032236.D\data.ms

## (91) Benzo(k)fluoranthene

23.274min (-0.047) 41.12 ng/u1

response 3847745

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.00  | 22.18  |
| 125.00 | 11.80  | 12.08  |
| 0.00   | 0.00   | 0.00   |

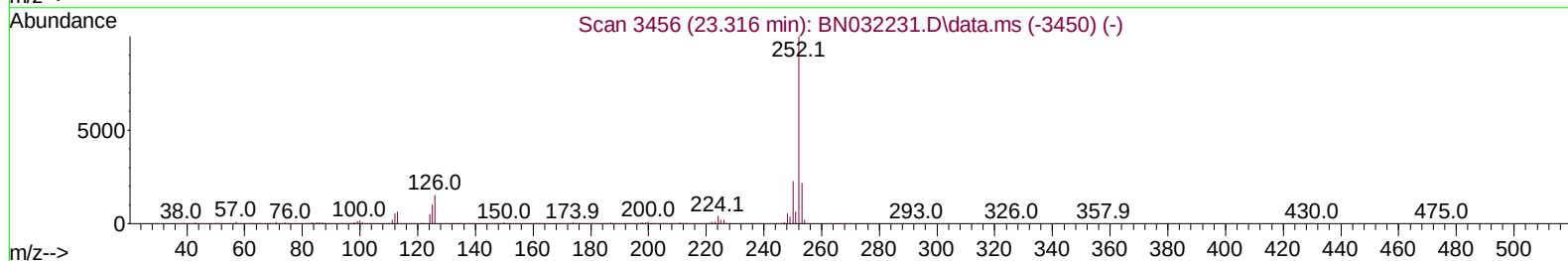
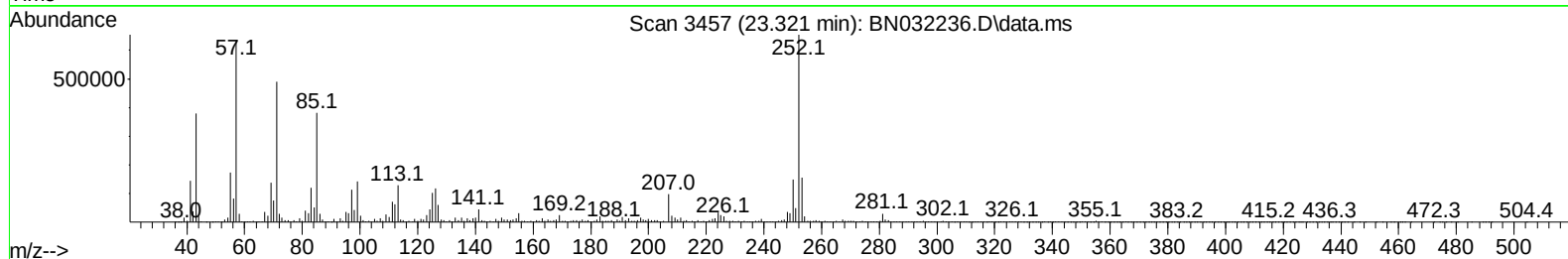
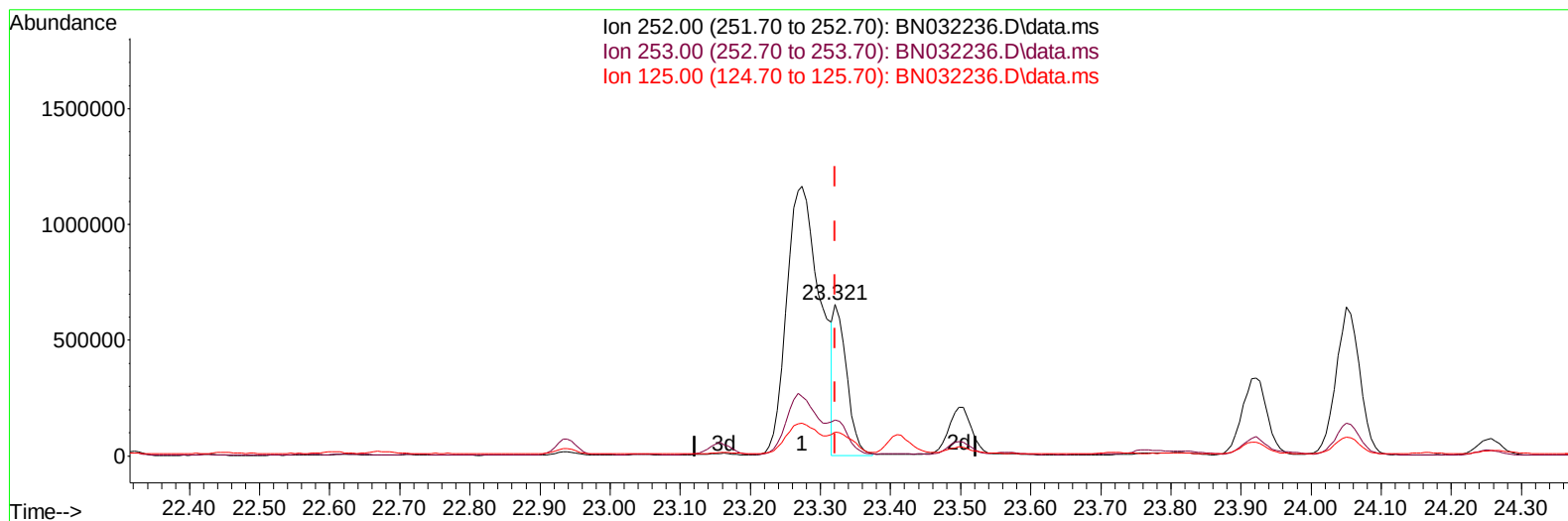
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TIC: BN032236.D\data.ms

**(91) Benzo(k)fluoranthene**

**23.321min (-0.000) 9.11 ng/ul m**

**response 852663**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.00  | 23.80  |
| 125.00 | 11.80  | 15.59# |
| 0.00   | 0.00   | 0.00   |

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Manual IntegrationsAPPROVED

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.628  | 152  | 304340   | 20.000 | ng/uI  | 0.00     |
| 20) Naphthalene-d8            | 10.404 | 136  | 1230549  | 20.000 | ng/uI  | -0.01    |
| 38) Acenaphthene-d10          | 14.275 | 164  | 747131   | 20.000 | ng/uI  | 0.00     |
| 64) Phenanthrene-d10          | 17.027 | 188  | 1491150  | 20.000 | ng/uI  | 0.00     |
| 79) Chrysene-d12              | 21.268 | 240  | 1297975  | 20.000 | ng/uI  | 0.00     |
| 88) Perylene-d12              | 24.192 | 264  | 1595526  | 20.000 | ng/uI  | 0.01     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.169  | 96   | 28697    | 3.901  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.587  | 84   | 36605    | 1.768  | ng/uI  | 0.02     |
| 7) Phenol-d5                  | 6.816  | 99   | 601184   | 23.042 | ng/uI  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.975  | 67   | 318313   | 20.858 | ng/uI  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.163  | 132  | 538893   | 27.070 | ng/uI  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.345  | 113  | 462959   | 21.768 | ng/uI  | 0.00     |
| 21) Nitrobenzene-d5           | 8.787  | 128  | 259927   | 27.626 | ng/uI  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.504  | 143  | 283807   | 29.201 | ng/uI  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.039 | 165  | 486219   | 26.797 | ng/uI  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.569 | 131  | 48299    | 1.793  | ng/uI  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.692 | 166  | 1407129  | 27.034 | ng/uI  | 0.00     |
| 49) Acenaphthylene-d8         | 13.963 | 160  | 1673184  | 27.957 | ng/uI  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.516 | 143  | 233415   | 22.397 | ng/uI  | 0.01     |
| 60) Fluorene-d10              | 15.269 | 176  | 1215020  | 27.589 | ng/uI  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.416 | 200  | 120384   | 16.061 | ng/uI  | 0.00     |
| 73) Anthracene-d10            | 17.127 | 188  | 1839725  | 28.818 | ng/uI  | 0.00     |
| 81) Pyrene-d10                | 19.427 | 212  | 1803160  | 25.961 | ng/uI  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.986 | 264  | 1559029  | 20.463 | ng/uI  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 8) Phenol                     | 6.845  | 94   | 27358    | 1.030  | ng/uI# | 88       |
| 16) Acetophenone              | 8.451  | 105  | 74351    | 2.307  | ng/uI  | 99       |
| 30) Naphthalene               | 10.457 | 128  | 77380    | 1.215  | ng/uI  | 99       |
| 50) Acenaphthylene            | 13.992 | 152  | 214467   | 3.171  | ng/uI  | 98       |
| 52) Acenaphthene              | 14.339 | 153  | 93850    | 2.097  | ng/uI  | 99       |
| 56) Dibenzofuran              | 14.674 | 168  | 89745    | 1.476  | ng/uI  | 98       |
| 61) Fluorene                  | 15.327 | 166  | 117964   | 2.409  | ng/uI  | 96       |
| 72) Phenanthrene              | 17.068 | 178  | 2416398  | 31.811 | ng/uI  | 99       |
| 74) Anthracene                | 17.157 | 178  | 544998   | 7.081  | ng/uI  | 98       |
| 77) Carbazole                 | 17.439 | 167  | 291598   | 4.443  | ng/uI  | 100      |
| 78) Di-n-butylphthalate       | 17.998 | 149  | 104186   | 1.154  | ng/uI  | 98       |
| 80) Fluoranthene              | 19.098 | 202  | 4669900  | 56.258 | ng/uI  | 95       |
| 82) Pyrene                    | 19.462 | 202  | 3624084  | 42.553 | ng/uI  | 93       |
| 83) Butylbenzylphthalate      | 20.362 | 149  | 147334   | 3.663  | ng/uI  | 95       |
| 85) Benzo(a)anthracene        | 21.251 | 228  | 2256038  | 25.968 | ng/uI  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.168 | 149  | 770897   | 13.147 | ng/uI  | 98       |
| 87) Chrysene                  | 21.309 | 228  | 2470089  | 30.438 | ng/uI  | 97       |
| 89) Di-n-octyl phthalate      | 22.274 | 149  | 142731   | 1.336  | ng/uI  | 100      |
| 90) Benzo(b)fluoranthene      | 23.274 | 252  | 3847745  | 40.346 | ng/uI  | 98       |
| 91) Benzo(k)fluoranthene      | 23.321 | 252  | 852663m  | 9.111  | ng/uI  |          |
| 93) Benzo(a)pyrene            | 24.050 | 252  | 1509769  | 16.903 | ng/uI  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.486 | 276  | 1476468  | 14.345 | ng/uI  | 99       |
| 95) Dibenzo(a,h)anthracene    | 27.515 | 278  | 469054   | 5.582  | ng/uI# | 89       |

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| Compound                 | R.T.   | Q   | Ion | Response | Conc  | Units  | Dev(Min) |
|--------------------------|--------|-----|-----|----------|-------|--------|----------|
| 96) Benzo(g,h,i)perylene | 28.503 | 276 |     | 206976   | 2.530 | ng/ul# | 94       |

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

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