

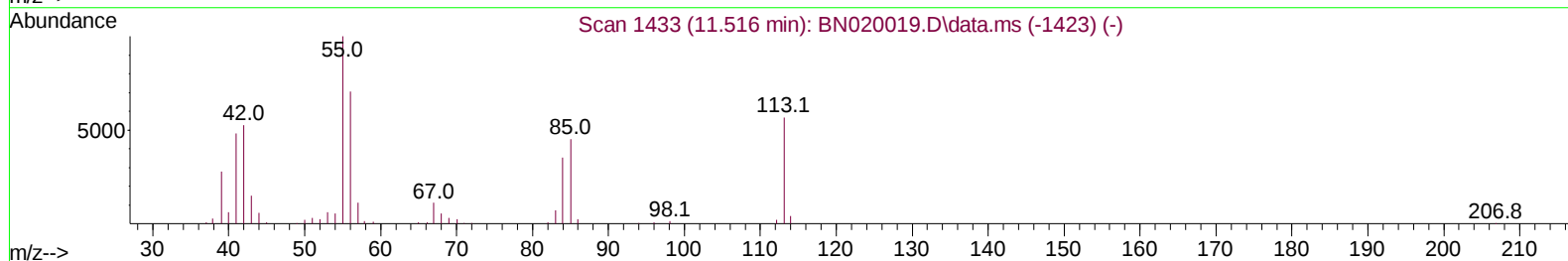
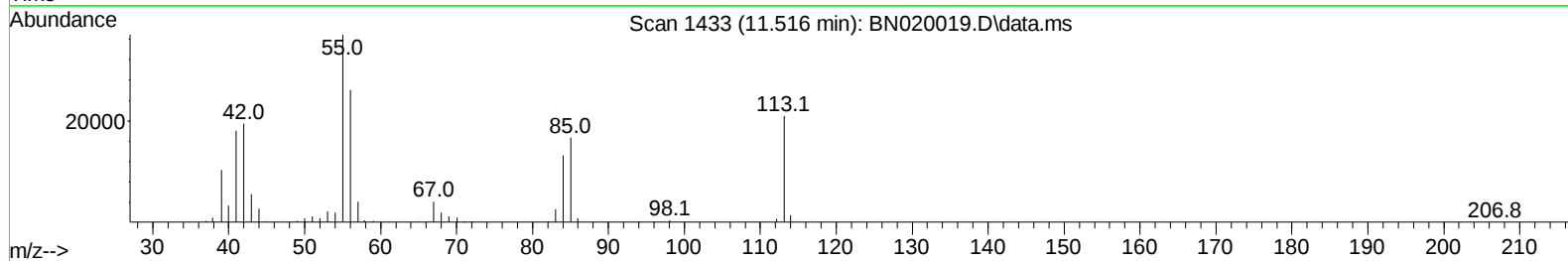
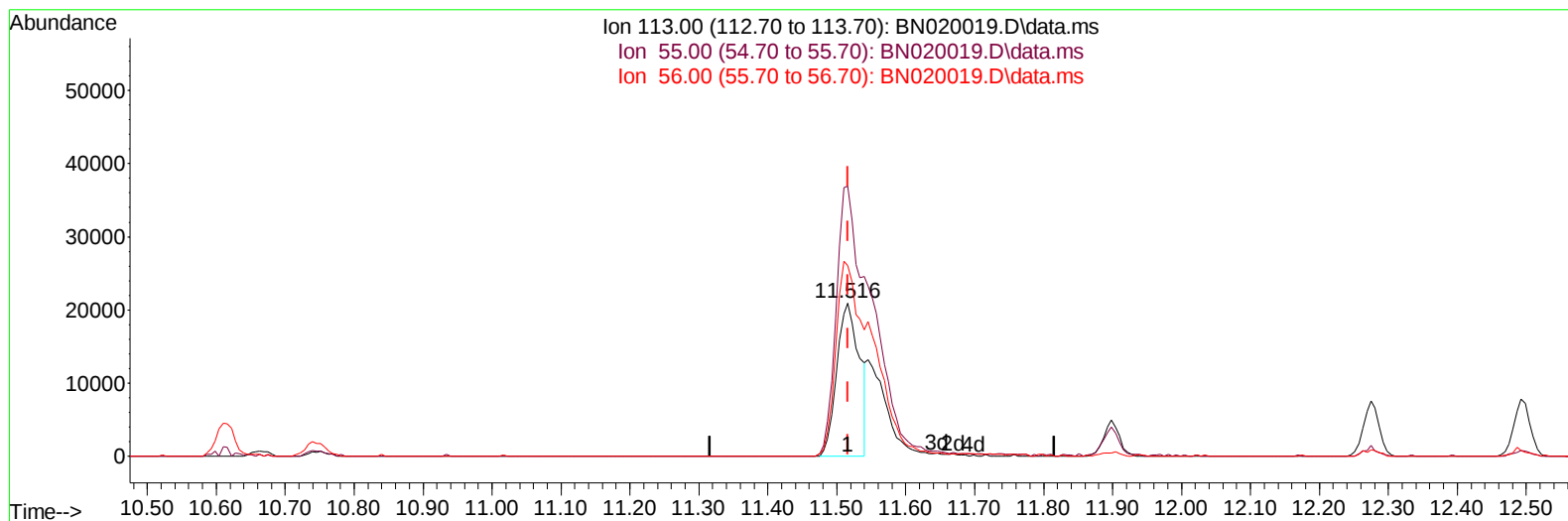
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN060622\  
Data File : BN020019.D  
Acq On : 06 Jun 2022 12:45  
Operator : CG/JU  
Sample : SSTD02019  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SSTD02019

Manual IntegrationsAPPROVED

Quant Time: Jun 06 14:38:08 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN060622.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jun 06 14:35:54 2022  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/07/2022  
Supervised By :mohammad ahmed 06/09/2022



TIC: BN020019.D\data.ms

(34) Caprolactam

11.516min ( 0.000) 17.60 ng/ul

response 47403

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 181.90 | 176.02 |
| 56.00  | 133.10 | 124.32 |
| 0.00   | 0.00   | 0.00   |

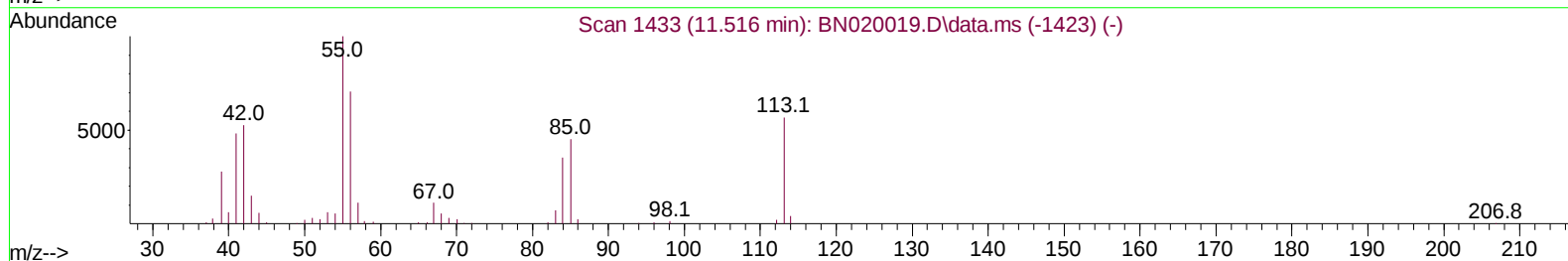
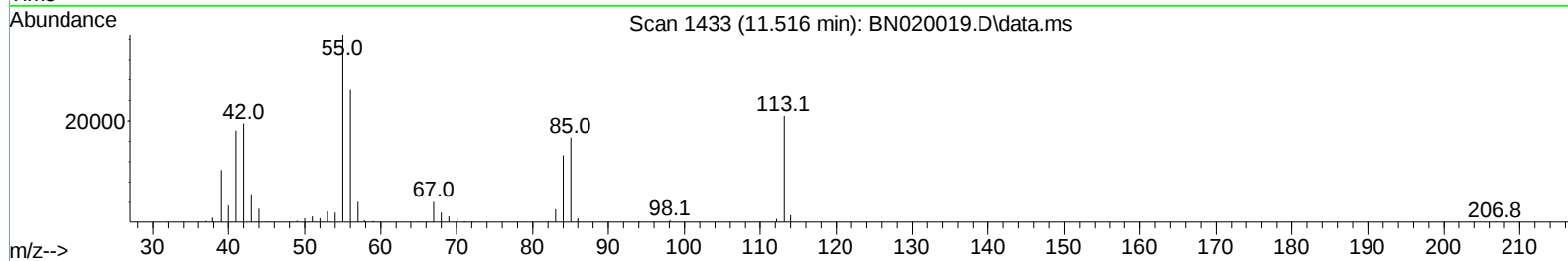
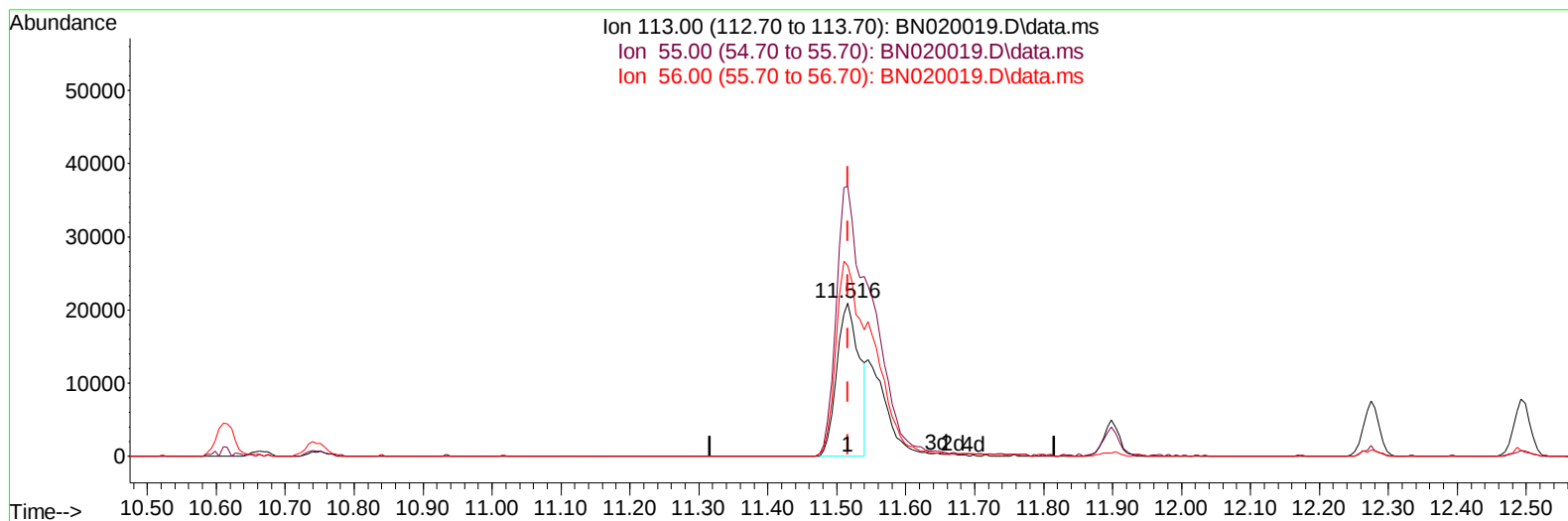
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 Sample : SSTD02019  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD020219

Manual IntegrationsAPPROVED

Quant Time: Jun 06 14:38:08 2022  
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 Quant Title : SVOA CALIBRATION  
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 Supervised By :mohammad ahmed 06/09/2022



TIC: BN020019.D\data.ms

**(34) Caprolactam**

**11.516min ( 0.000) 17.60 ng/ul**

**response 47403**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 181.90 | 176.02 |
| 56.00  | 133.10 | 124.32 |
| 0.00   | 0.00   | 0.00   |

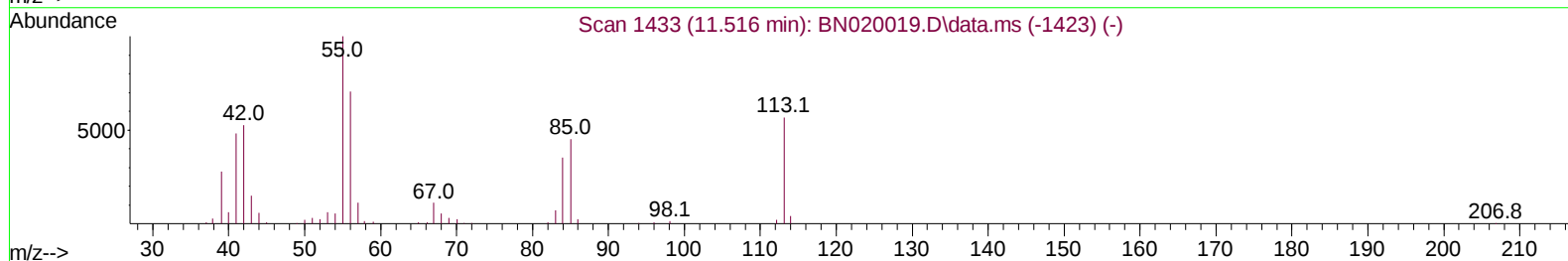
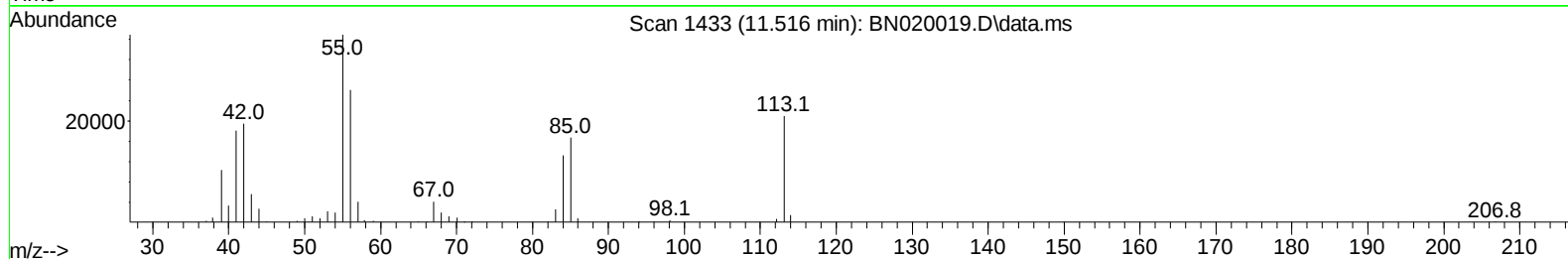
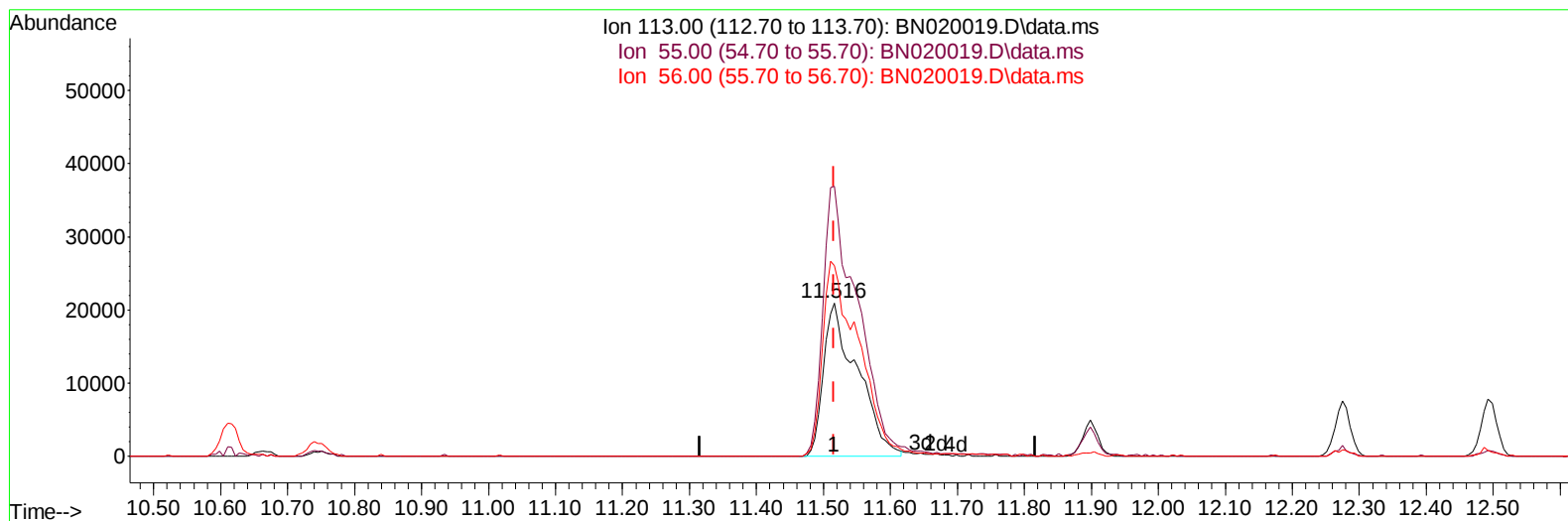
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN060622\  
Data File : BN020019.D  
Acq On : 06 Jun 2022 12:45  
Operator : CG/JU  
Sample : SST02019  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SSTD020219

Manual IntegrationsAPPROVED

Quant Time: Jun 06 14:38:08 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN060622.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jun 06 14:35:54 2022  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/07/2022  
Supervised By :mohammad ahmed 06/09/2022



TIC: BN020019.D\data.ms

**(34) Caprolactam**

11.516min ( 0.000) 27.15 ng/ul m

response 73136

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 181.90 | 176.02 |
| 56.00  | 133.10 | 124.32 |
| 0.00   | 0.00   | 0.00   |

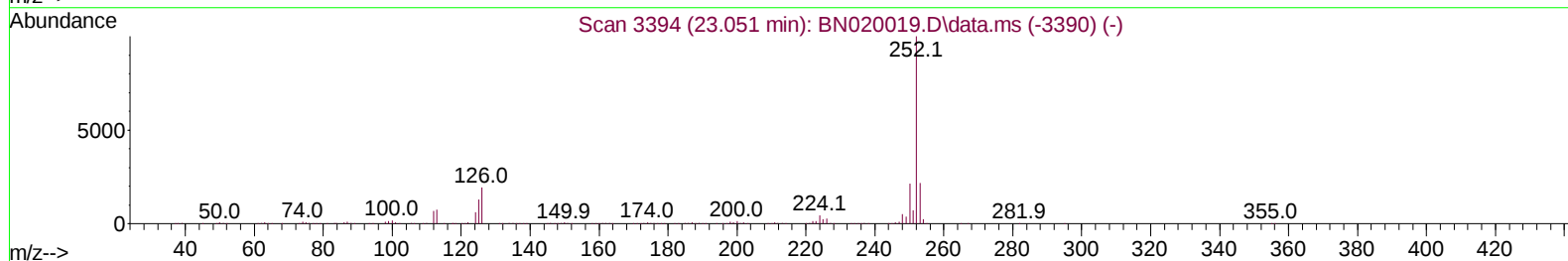
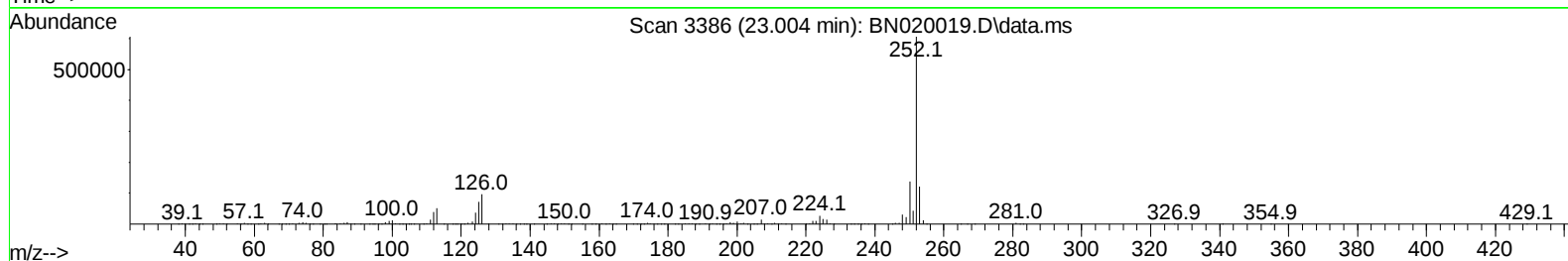
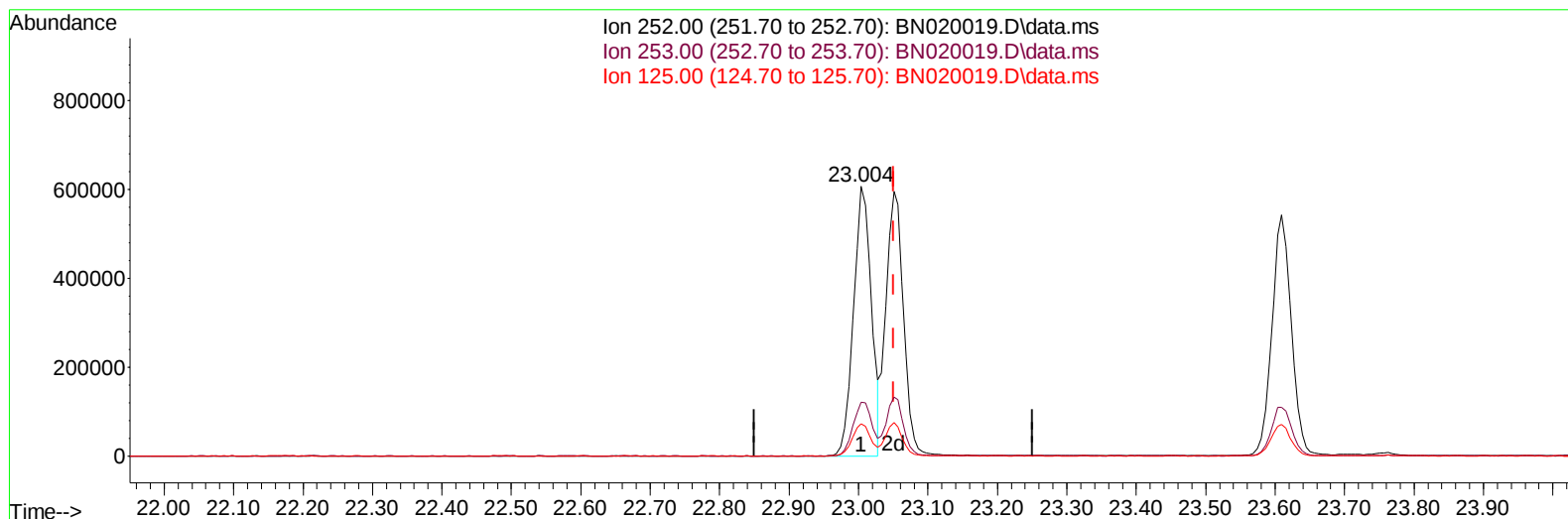
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN060622\  
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 Acq On : 06 Jun 2022 12:45  
 Operator : CG/JU  
 Sample : SST02019  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SST020219

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 06/07/2022  
 Supervised By :mohammad ahmed 06/09/2022

Quant Time: Jun 06 14:38:08 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN060622.M  
 Quant Title : SVOA CALIBRATION  
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TIC: BN020019.D\data.ms

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

23.004min (-0.047) 20.99 ng/u1

response 1081777

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.80  | 19.90  |
| 125.00 | 10.30  | 12.01  |
| 0.00   | 0.00   | 0.00   |

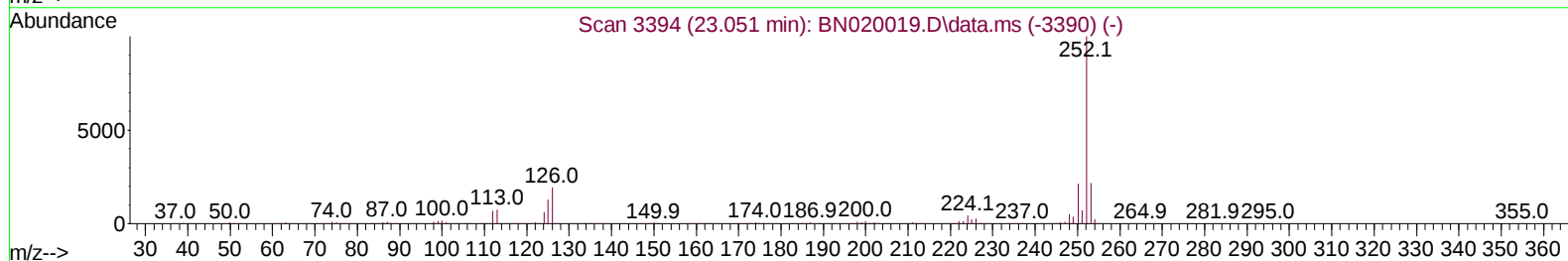
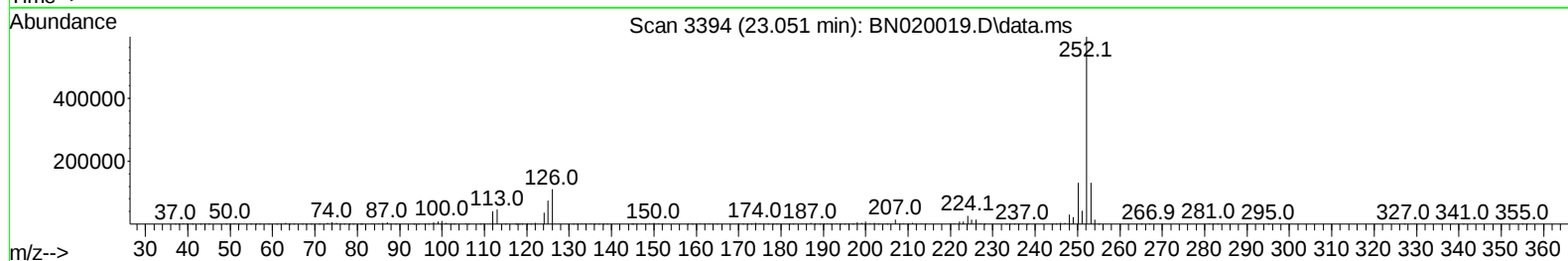
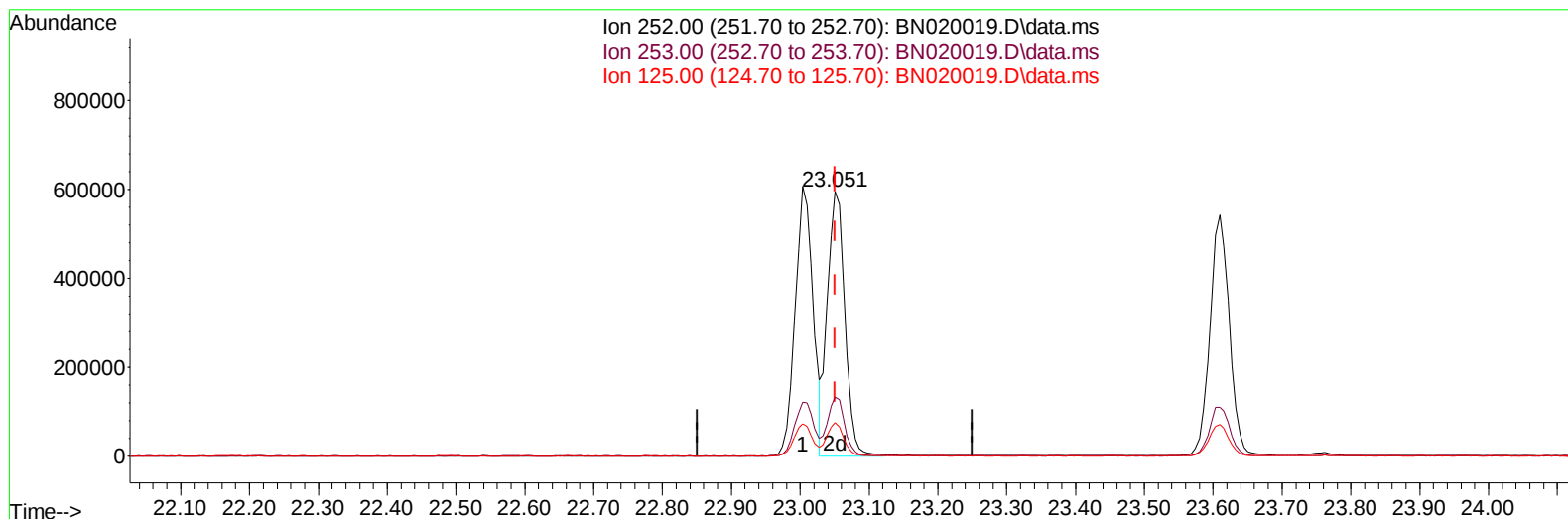
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN060622\  
 Data File : BN020019.D  
 Acq On : 06 Jun 2022 12:45  
 Operator : CG/JU  
 Sample : SST02019  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SST020219

Manual IntegrationsAPPROVED

Quant Time: Jun 06 14:38:08 2022  
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 QLast Update : Mon Jun 06 14:35:54 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/07/2022  
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TIC: BN020019.D\data.ms

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

**23.051min ( 0.000) 20.36 ng/ul m**

**response 1049383**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.80  | 22.18  |
| 125.00 | 10.30  | 12.67# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN060622\  
 Data File : BN020019.D  
 Acq On : 06 Jun 2022 12:45  
 Operator : CG/JU  
 Sample : SST02019  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SST020219

Manual IntegrationsAPPROVED

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Reviewed By :Jagrut Upadhyay 06/07/2022  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.822  | 152  | 143889   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.616 | 136  | 660595   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.451 | 164  | 428543   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.192 | 188  | 913925   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.380 | 240  | 848425   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 23.709 | 264  | 878257   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.287  | 96   | 25310    | 6.638  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.687  | 84   | 176480   | 18.278 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.987  | 99   | 228674   | 18.339 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.152  | 67   | 147904   | 20.449 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.357  | 132  | 192383   | 19.451 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.528  | 113  | 200647   | 21.005 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.975  | 128  | 99476    | 20.653 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.698  | 143  | 106530   | 22.443 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.234 | 165  | 186718   | 19.651 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.745 | 131  | 300445   | 20.830 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.863 | 166  | 620424   | 21.078 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.145 | 160  | 734671   | 18.460 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.645 | 143  | 123730   | 21.614 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.439 | 176  | 518104   | 19.940 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.563 | 200  | 102148   | 21.893 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.292 | 188  | 801275   | 18.617 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.586 | 212  | 915139   | 18.761 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.562 | 264  | 863536   | 19.234 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.316  | 88   | 26227    | 6.745  | ng/ul# | 88       |
| 5) Pyridine                   | 3.711  | 79   | 183067   | 17.993 | ng/ul  | 93       |
| 6) Benzaldehyde               | 6.963  | 77   | 138783   | 21.716 | ng/ul  | 91       |
| 8) Phenol                     | 7.016  | 94   | 248557   | 19.809 | ng/ul  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.246  | 93   | 196959   | 20.230 | ng/ul  | 99       |
| 12) 2-Chlorophenol            | 7.387  | 128  | 199783   | 19.890 | ng/ul  | 98       |
| 13) 2-Methylphenol            | 8.263  | 108  | 189532   | 20.401 | ng/ul  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.357  | 45   | 310020   | 22.157 | ng/ul  | 97       |
| 16) Acetophenone              | 8.640  | 105  | 321742   | 22.445 | ng/ul  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.628  | 70   | 165137   | 24.753 | ng/ul  | 94       |
| 18) 4-Methylphenol            | 8.593  | 108  | 214144   | 21.528 | ng/ul  | 96       |
| 19) Hexachloroethane          | 8.904  | 117  | 80097    | 19.671 | ng/ul  | 91       |
| 22) Nitrobenzene              | 9.016  | 77   | 233863   | 20.594 | ng/ul  | 96       |
| 23) Isophorone                | 9.540  | 82   | 464561   | 22.938 | ng/ul  | 99       |
| 25) 2-Nitrophenol             | 9.728  | 139  | 118721   | 22.149 | ng/ul  | 98       |
| 26) 2,4-Dimethylphenol        | 9.793  | 107  | 246775   | 20.668 | ng/ul  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.028 | 93   | 279351   | 20.975 | ng/ul  | 97       |
| 29) 2,4-Dichlorophenol        | 10.263 | 162  | 193180   | 20.279 | ng/ul  | 99       |
| 30) Naphthalene               | 10.663 | 128  | 686257   | 19.397 | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 10.769 | 127  | 303041   | 20.903 | ng/ul  | 97       |
| 33) Hexachlorobutadiene       | 10.957 | 225  | 109541   | 19.167 | ng/ul  | 100      |
| 34) Caprolactam               | 11.516 | 113  | 73136m   | 27.147 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.898 | 107  | 232597   | 23.068 | ng/ul  | 100      |

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Manual IntegrationsAPPROVED

Quant Time: Jun 06 14:38:08 2022  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.275 | 142  | 465388   | 20.439 | ng/ul  | 96       |
| 37) 1-Methylnaphthalene       | 12.492 | 142  | 469193   | 20.583 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.651 | 216  | 214162   | 18.011 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.634 | 237  | 127448   | 17.419 | ng/ul  | 95       |
| 41) 2,4,6-Trichlorophenol     | 12.887 | 196  | 152695   | 20.585 | ng/ul  | 92       |
| 42) 2,4,5-Trichlorophenol     | 12.957 | 196  | 168053   | 20.866 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.287 | 154  | 632626   | 18.671 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.328 | 162  | 484366   | 18.711 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.528 | 65   | 152560   | 24.559 | ng/ul  | 92       |
| 47) Dimethylphthalate         | 13.910 | 163  | 627840   | 21.479 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.028 | 165  | 124657   | 24.721 | ng/ul  | 93       |
| 50) Acenaphthylene            | 14.169 | 152  | 811044   | 19.836 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.351 | 138  | 136179   | 26.348 | ng/ul  | 100      |
| 52) Acenaphthene              | 14.516 | 153  | 520891   | 19.466 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.557 | 184  | 69783    | 24.948 | ng/ul  | 91       |
| 55) 4-Nitrophenol             | 14.657 | 109  | 104620   | 22.999 | ng/ul  | 97       |
| 56) Dibenzofuran              | 14.851 | 168  | 737558   | 19.731 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.810 | 165  | 187609   | 25.586 | ng/ul  | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.075 | 232  | 133379   | 22.704 | ng/ul  | 90       |
| 59) Diethylphthalate          | 15.275 | 149  | 652661   | 22.701 | ng/ul  | 97       |
| 61) Fluorene                  | 15.498 | 166  | 580041   | 19.989 | ng/ul  | 96       |
| 62) 4-Chlorophenyl-phenyle... | 15.492 | 204  | 265219   | 20.214 | ng/ul  | 94       |
| 63) 4-Nitroaniline            | 15.510 | 138  | 136926   | 30.911 | ng/ul  | 100      |
| 66) 4,6-Dinitro-2-methylph... | 15.575 | 198  | 107303   | 22.612 | ng/ul  | 97       |
| 67) N-Nitrosodiphenylamine    | 15.704 | 169  | 522661   | 18.638 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.386 | 248  | 161045   | 18.757 | ng/ul  | 92       |
| 69) Hexachlorobenzene         | 16.504 | 284  | 174768   | 18.097 | ng/ul# | 84       |
| 70) Atrazine                  | 16.657 | 200  | 183749   | 20.541 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.845 | 266  | 111017   | 18.943 | ng/ul  | 93       |
| 72) Phenanthrene              | 17.233 | 178  | 948279   | 18.567 | ng/ul  | 99       |
| 74) Anthracene                | 17.327 | 178  | 960382   | 18.824 | ng/ul  | 96       |
| 75) 1,2,3,4-Tetrachloroben... | 13.251 | 216  | 229559   | 16.294 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 14.775 | 250  | 214244   | 17.456 | ng/uL  | 96       |
| 77) Carbazole                 | 17.592 | 167  | 913638   | 19.698 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.163 | 149  | 1101905  | 22.209 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.251 | 202  | 1089723  | 18.952 | ng/ul  | 98       |
| 82) Pyrene                    | 19.616 | 202  | 1120269  | 18.705 | ng/ul  | 95       |
| 83) Butylbenzylphthalate      | 20.521 | 149  | 509501   | 22.998 | ng/ul  | 94       |
| 84) 3,3'-Dichlorobenzidine    | 21.298 | 252  | 358678   | 21.050 | ng/ul# | 96       |
| 85) Benzo(a)anthracene        | 21.363 | 228  | 1087666  | 20.016 | ng/ul  | 95       |
| 86) Bis(2-ethylhexyl)phtha... | 21.304 | 149  | 740212   | 21.775 | ng/ul# | 99       |
| 87) Chrysene                  | 21.421 | 228  | 1027188  | 19.244 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.210 | 149  | 1310851  | 21.802 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.004 | 252  | 1081777  | 19.040 | ng/ul# | 97       |
| 91) Benzo(k)fluoranthene      | 23.051 | 252  | 1049383m | 20.362 | ng/ul  |          |
| 93) Benzo(a)pyrene            | 23.609 | 252  | 1059108  | 19.630 | ng/ul  | 94       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.098 | 276  | 1097564  | 17.751 | ng/ul  | 93       |
| 95) Dibenzo(a,h)anthracene    | 26.121 | 278  | 945757   | 17.889 | ng/ul  | 95       |
| 96) Benzo(g,h,i)perylene      | 26.845 | 276  | 932260   | 17.142 | ng/ul# | 93       |

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

**Instrument :**

BNA\_N

**ClientSampleId :**

SSTD020219

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 06/07/2022  
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