

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081622\  
 Data File : BM036301.D  
 Acq On : 16 Aug 2022 15:32  
 Operator : CG/JU  
 Sample : SSTDICV020  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SICV018

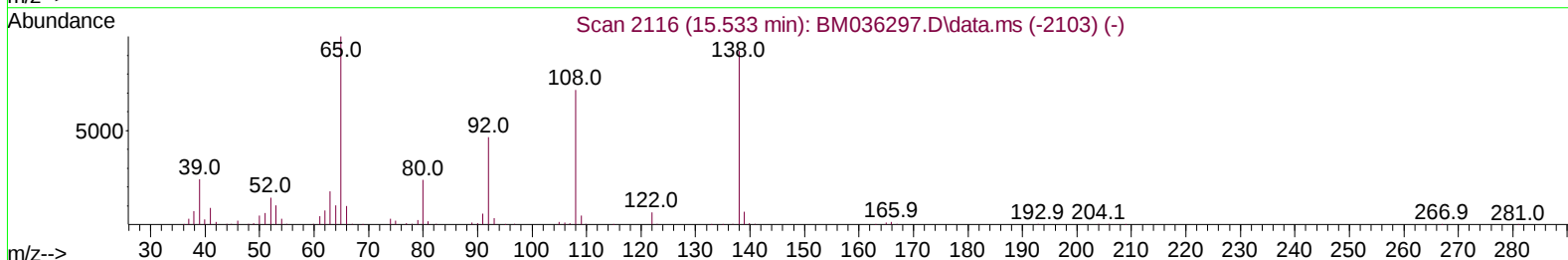
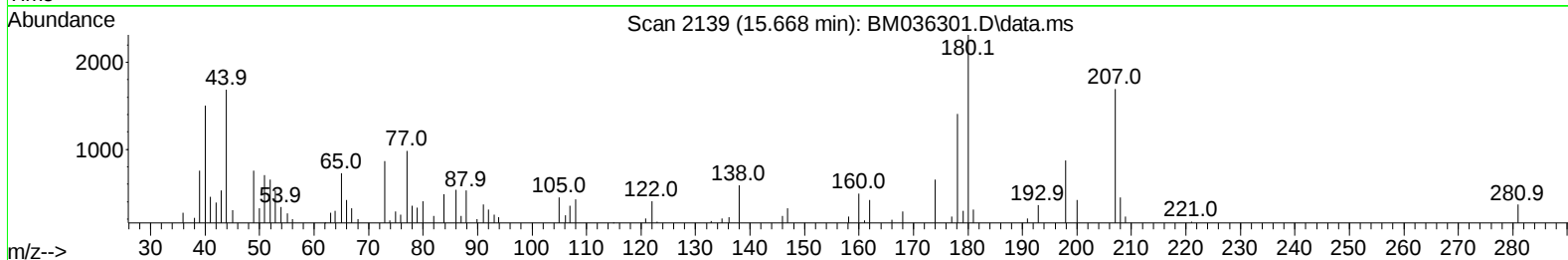
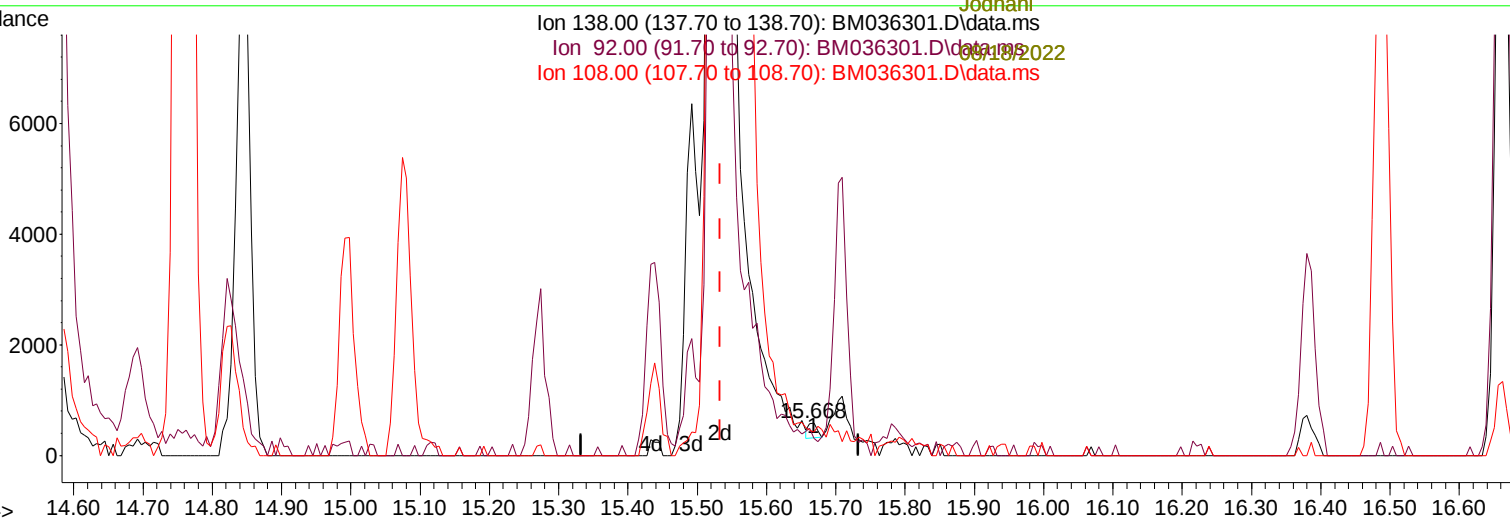
Manual IntegrationsAPPROVED

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 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM081622.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Aug 16 15:00:33 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut  
 Upadhyay

08/17/2022  
 Supervised By :Sohil  
 Jodhani

Ion 138.00 (137.70 to 138.70): BM036301.D\data.ms  
 Ion 92.00 (91.70 to 92.70): BM036301.D\data.ms  
 Ion 108.00 (107.70 to 108.70): BM036301.D\data.ms



TIC: BM036301.D\data.ms

**(63) 4-Nitroaniline**

**15.668min (+ 0.135) 0.04 ng/ul**

**response 235**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 138.00 | 100.00 | 100.00 |
| 92.00  | 49.00  | 52.37  |
| 108.00 | 64.50  | 72.71  |
| 0.00   | 0.00   | 0.00   |

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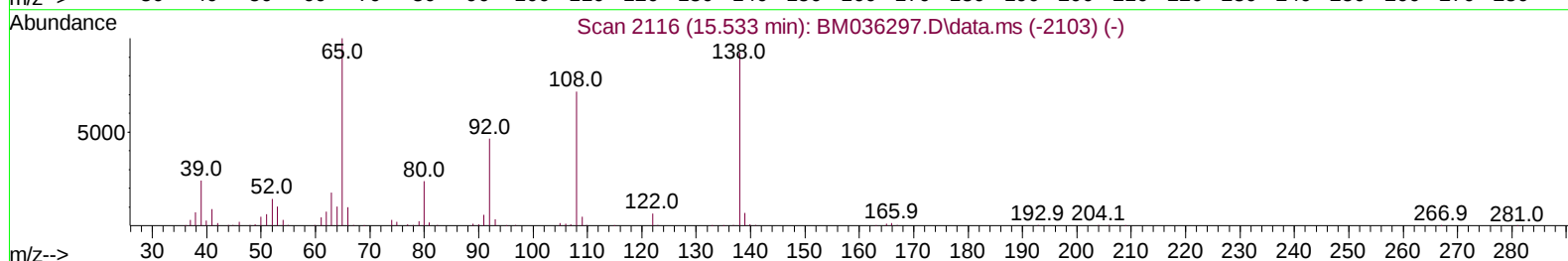
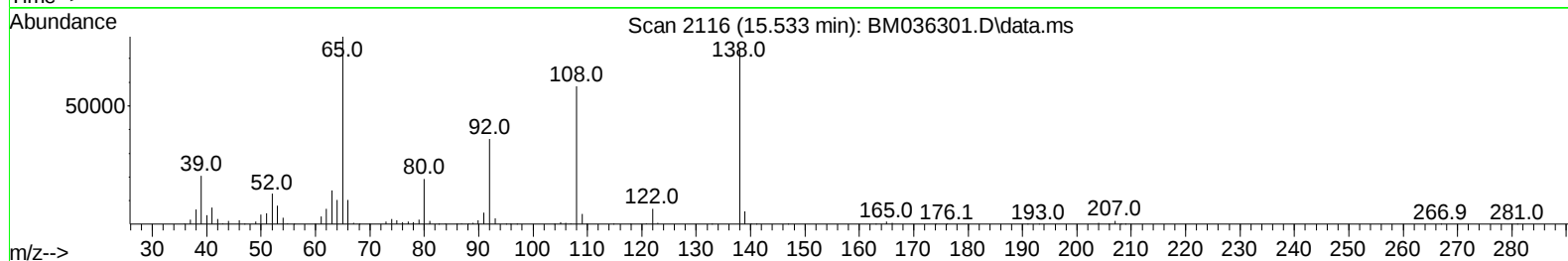
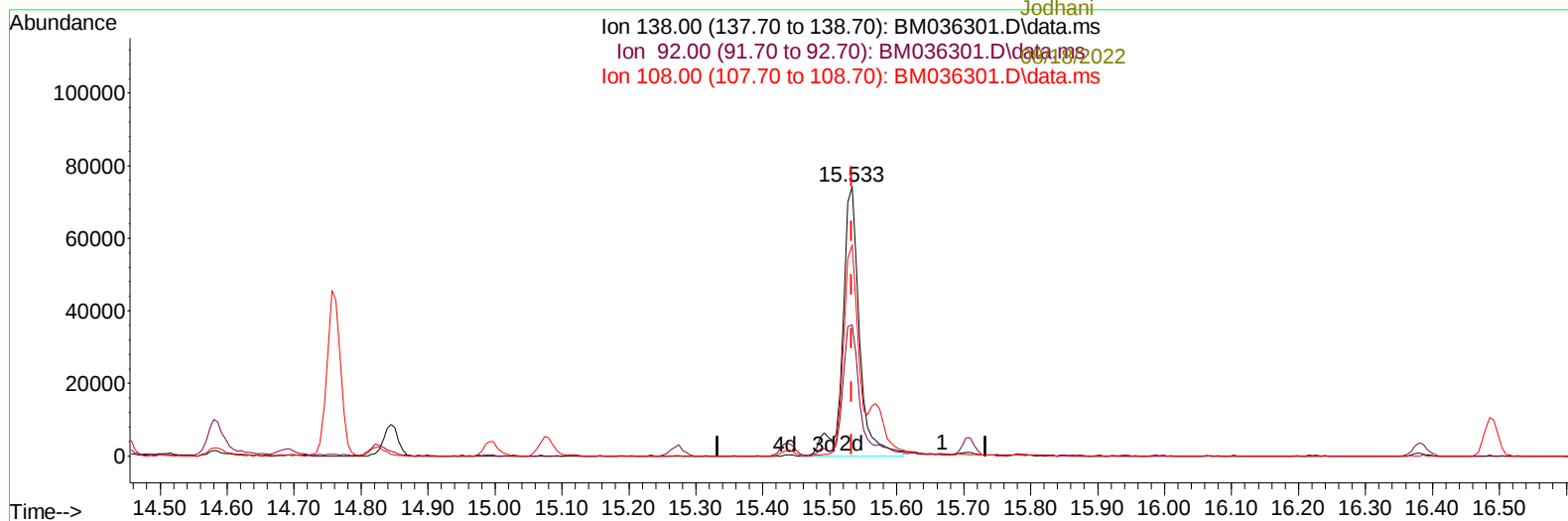
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08/17/2022  
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 Ion 92.00 (91.70 to 92.70): BM036301.D\data.ms  
 Ion 108.00 (107.70 to 108.70): BM036301.D\data.ms



TIC: BM036301.D\data.ms

**(63) 4-Nitroaniline**

**15.533min (-0.000) 19.36 ng/ul m**

**response 129425**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 138.00 | 100.00 | 100.00 |
| 92.00  | 49.00  | 48.68  |
| 108.00 | 64.50  | 78.48# |
| 0.00   | 0.00   | 0.00   |

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Instrument :  
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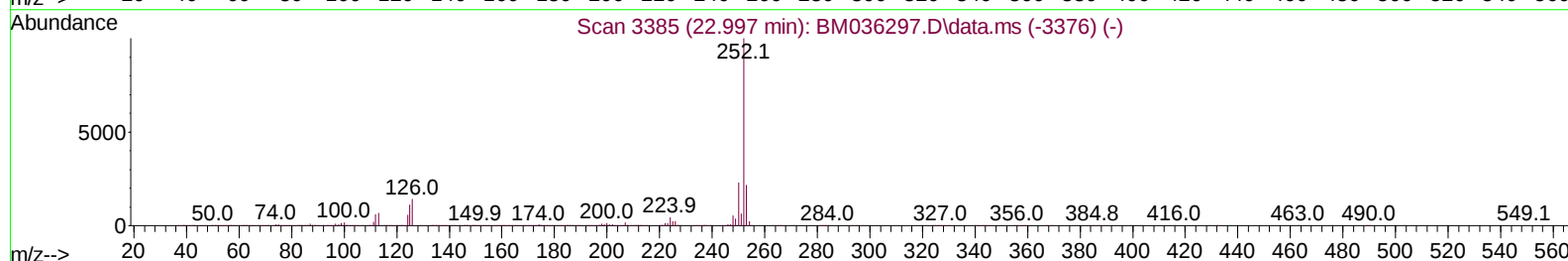
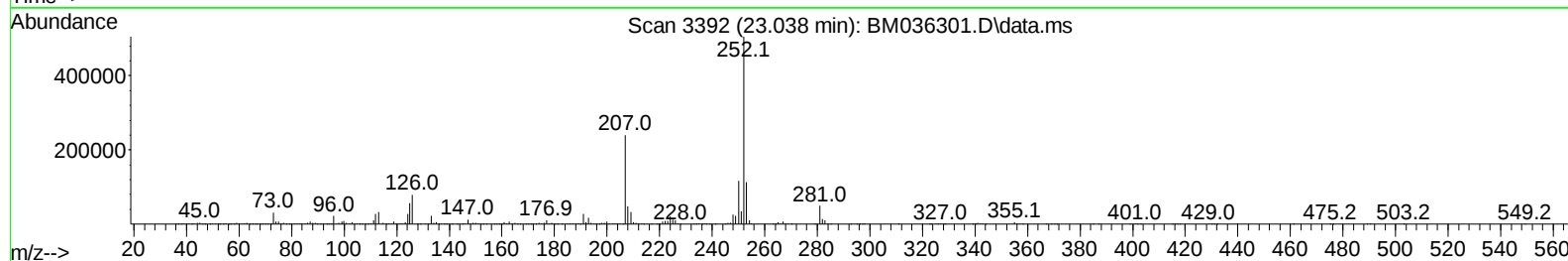
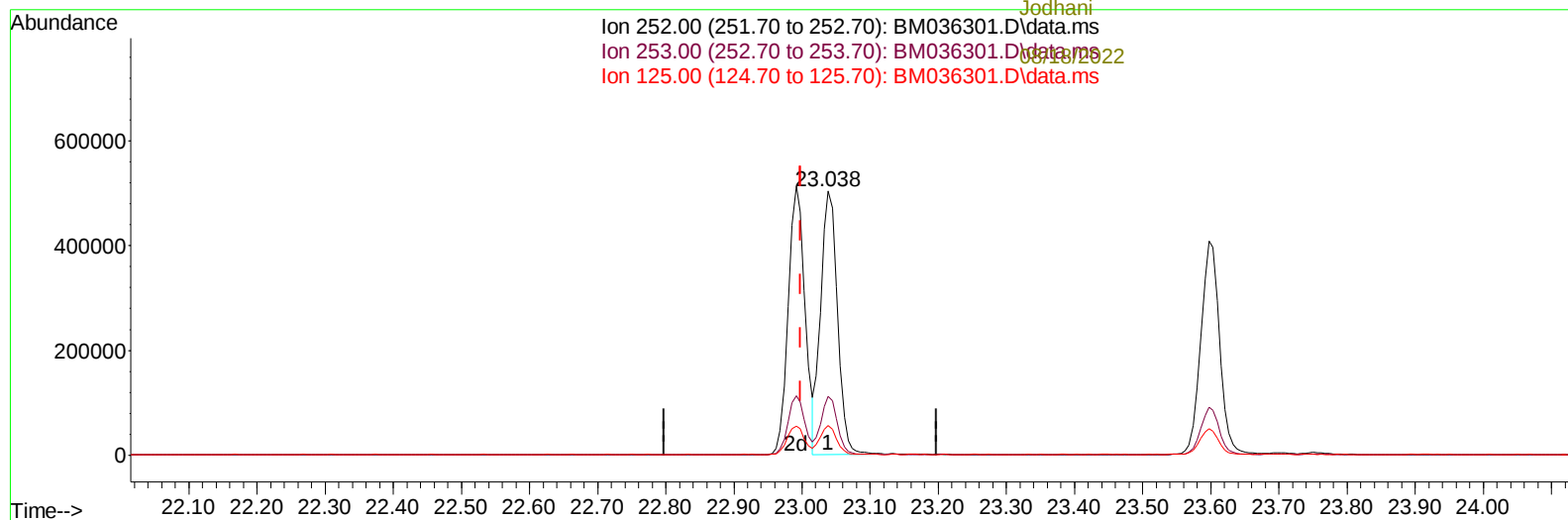
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Reviewed By :Jagrut  
 Upadhyay

08/17/2022  
 Supervised By :Sohil  
 Jodhani

Ion 252.00 (251.70 to 252.70): BM036301.D\data.ms  
 Ion 253.00 (252.70 to 253.70): BM036301.D\data.ms  
 Ion 125.00 (124.70 to 125.70): BM036301.D\data.ms



TIC: BM036301.D\data.ms

**(90) Benzo(b)fluoranthene**

**23.038min (+ 0.041) 16.50 ng/u1**

**response 860011**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.90  | 22.32  |
| 125.00 | 13.40  | 11.29  |
| 0.00   | 0.00   | 0.00   |

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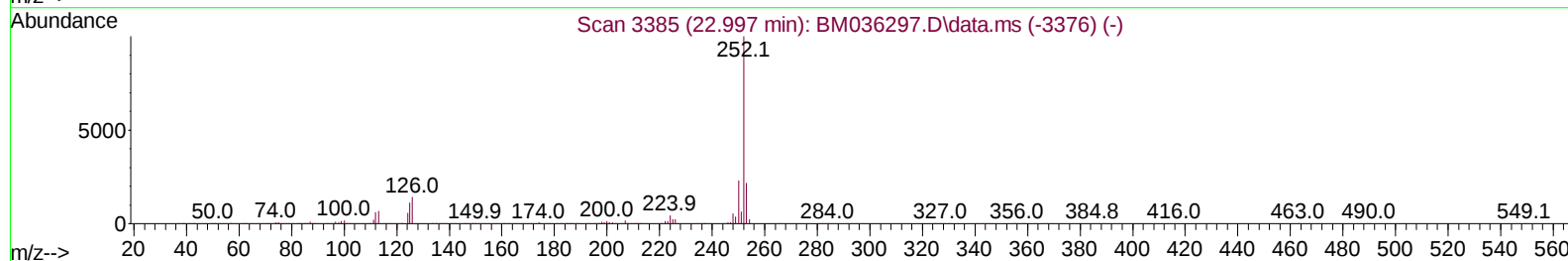
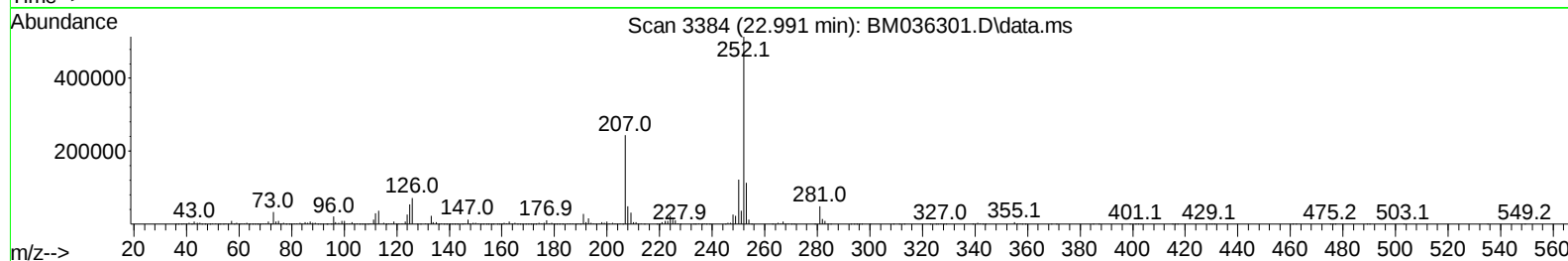
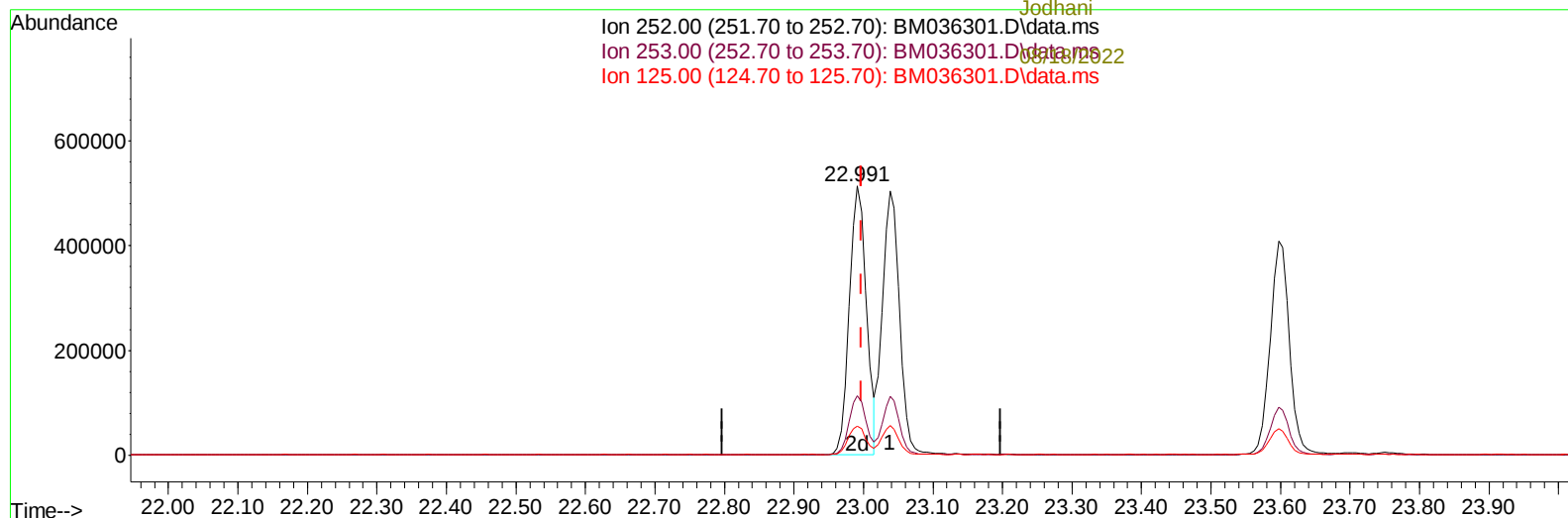
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Reviewed By :Jagrut  
 Upadhyay

08/17/2022  
 Supervised By :Sohil  
 Jodhani

Ion 252.00 (251.70 to 252.70): BM036301.D\data.ms  
 Ion 253.00 (252.70 to 253.70): BM036301.D\data.ms  
 Ion 125.00 (124.70 to 125.70): BM036301.D\data.ms



TIC: BM036301.D\data.ms

**(90) Benzo(b)fluoranthene**

**22.991min (-0.006) 16.83 ng/ul m**

**response 877322**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.90  | 22.05  |
| 125.00 | 13.40  | 10.67# |
| 0.00   | 0.00   | 0.00   |

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08/18/2022

| Compound                  | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|---------------------------|--------|------|----------|--------|-------|----------|
| -----08/18/2022           |        |      |          |        |       |          |
| Internal Standards        |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4 | 7.804  | 152  | 227319   | 20.000 | ng/ul | 0.00     |
| 20) Naphthalene-d8        | 10.604 | 136  | 967882   | 20.000 | ng/ul | 0.00     |
| 38) Acenaphthene-d10      | 14.445 | 164  | 533424   | 20.000 | ng/ul | 0.00     |
| 64) Phenanthrene-d10      | 17.192 | 188  | 949954   | 20.000 | ng/ul | 0.00     |
| 79) Chrysene-d12          | 21.374 | 240  | 820411   | 20.000 | ng/ul | 0.00     |
| 88) Perylene-d12          | 23.703 | 264  | 855093   | 20.000 | ng/ul | 0.00     |

|                               |        |     |        |        |       |      |
|-------------------------------|--------|-----|--------|--------|-------|------|
| System Monitoring Compounds   |        |     |        |        |       |      |
| 3) 1,4-Dioxane-d8             | 3.210  | 96  | 38870  | 6.517  | ng/uL | 0.00 |
| 4) Pyridine-d5                | 3.640  | 84  | 280409 | 17.048 | ng/ul | 0.00 |
| 7) Phenol-d5                  | 6.986  | 99  | 300119 | 15.467 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth...  | 7.139  | 67  | 224500 | 18.381 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4         | 7.339  | 132 | 264052 | 17.320 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8         | 8.528  | 113 | 244848 | 16.900 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5           | 8.975  | 128 | 129226 | 17.610 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4          | 9.692  | 143 | 129311 | 17.372 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3     | 10.233 | 165 | 228802 | 17.203 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4        | 10.757 | 131 | 353450 | 17.142 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6      | 13.868 | 166 | 595034 | 17.632 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8         | 14.139 | 160 | 779747 | 18.526 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4          | 14.674 | 143 | 90058  | 14.084 | ng/ul | 0.00 |
| 60) Fluorene-d10              | 15.439 | 176 | 519948 | 17.051 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.568 | 200 | 76156  | 15.593 | ng/ul | 0.00 |
| 73) Anthracene-d10            | 17.286 | 188 | 715910 | 16.949 | ng/ul | 0.00 |
| 81) Pyrene-d10                | 19.580 | 212 | 759275 | 17.841 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12        | 23.550 | 264 | 706149 | 16.843 | ng/ul | 0.00 |

|                               |        |     |        |        |       |     |
|-------------------------------|--------|-----|--------|--------|-------|-----|
| Target Compounds              |        |     |        | Qvalue |       |     |
| 2) 1,4-Dioxane                | 3.246  | 88  | 40696  | 6.478  | ng/uL | 94  |
| 5) Pyridine                   | 3.657  | 79  | 255403 | 15.031 | ng/ul | 90  |
| 6) Benzaldehyde               | 6.951  | 77  | 220507 | 27.666 | ng/ul | 96  |
| 8) Phenol                     | 7.016  | 94  | 328654 | 16.291 | ng/ul | 100 |
| 10) Bis(2-Chloroethyl)ether   | 7.234  | 93  | 269420 | 16.697 | ng/ul | 99  |
| 12) 2-Chlorophenol            | 7.369  | 128 | 270431 | 16.963 | ng/ul | 99  |
| 13) 2-Methylphenol            | 8.263  | 108 | 242915 | 16.335 | ng/ul | 98  |
| 14) 2,2'-oxybis(1-Chloropr... | 8.333  | 45  | 374004 | 17.325 | ng/ul | 98  |
| 16) Acetophenone              | 8.633  | 105 | 410742 | 17.627 | ng/ul | 97  |
| 17) N-Nitroso-di-n-propyla... | 8.622  | 70  | 197381 | 17.019 | ng/ul | 96  |
| 18) 4-Methylphenol            | 8.592  | 108 | 261017 | 16.397 | ng/ul | 97  |
| 19) Hexachloroethane          | 8.875  | 117 | 111064 | 16.652 | ng/ul | 91  |
| 22) Nitrobenzene              | 9.016  | 77  | 297744 | 17.124 | ng/ul | 99  |
| 23) Isophorone                | 9.539  | 82  | 523910 | 16.967 | ng/ul | 97  |
| 25) 2-Nitrophenol             | 9.727  | 139 | 143267 | 17.276 | ng/ul | 99  |
| 26) 2,4-Dimethylphenol        | 9.792  | 107 | 276773 | 16.688 | ng/ul | 98  |
| 27) Bis(2-Chloroethoxy)met... | 10.027 | 93  | 339135 | 16.871 | ng/ul | 99  |
| 29) 2,4-Dichlorophenol        | 10.263 | 162 | 233259 | 17.142 | ng/ul | 97  |
| 30) Naphthalene               | 10.657 | 128 | 860204 | 16.933 | ng/ul | 100 |
| 32) 4-Chloroaniline           | 10.780 | 127 | 351555 | 16.763 | ng/ul | 100 |
| 33) Hexachlorobutadiene       | 10.933 | 225 | 149170 | 17.449 | ng/ul | 98  |
| 34) Caprolactam               | 11.574 | 113 | 59299  | 14.544 | ng/ul | 90  |
| 35) 4-Chloro-3-methylphenol   | 11.910 | 107 | 229361 | 16.670 | ng/ul | 97  |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.268 | 142  | 555578   | 17.431 | ng/ul  | 100      |
| 37) 1-Methylnaphthalene       | 12.486 | 142  | 533464   | 16.619 | ng/ul# | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.633 | 216  | 263551   | 17.875 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.610 | 237  | 201241   | 23.007 | ng/ul  | 97       |
| 41) 2,4,6-Trichlorophenol     | 12.886 | 196  | 161573   | 17.415 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 12.963 | 196  | 170085   | 17.284 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.286 | 154  | 702274   | 17.505 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.321 | 162  | 534699   | 17.368 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.545 | 65   | 138269   | 16.586 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 13.915 | 163  | 587394   | 16.910 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.039 | 165  | 121250   | 18.500 | ng/ul  | 90       |
| 50) Acenaphthylene            | 14.168 | 152  | 836026   | 16.843 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.368 | 138  | 131691   | 18.373 | ng/ul  | 98       |
| 52) Acenaphthene              | 14.509 | 153  | 562297   | 17.381 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.580 | 184  | 61358    | 17.178 | ng/ul  | 94       |
| 55) 4-Nitrophenol             | 14.692 | 109  | 71495    | 14.151 | ng/ul  | 80       |
| 56) Dibenzofuran              | 14.845 | 168  | 763097   | 16.999 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 14.821 | 165  | 156718   | 16.860 | ng/ul# | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.080 | 232  | 131362   | 17.581 | ng/ul# | 96       |
| 59) Diethylphthalate          | 15.274 | 149  | 558016   | 16.296 | ng/ul  | 99       |
| 61) Fluorene                  | 15.492 | 166  | 599766   | 16.845 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.492 | 204  | 281699   | 16.937 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.533 | 138  | 129425m  | 19.357 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.586 | 198  | 72464    | 14.675 | ng/ul  | 94       |
| 67) N-Nitrosodiphenylamine    | 15.709 | 169  | 486067   | 17.898 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.386 | 248  | 155461   | 17.674 | ng/ul  | 99       |
| 69) Hexachlorobenzene         | 16.492 | 284  | 187085   | 17.551 | ng/ul  | 99       |
| 70) Atrazine                  | 16.662 | 200  | 143701   | 15.486 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 16.851 | 266  | 102012   | 17.359 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.233 | 178  | 848064   | 16.982 | ng/ul  | 99       |
| 74) Anthracene                | 17.321 | 178  | 855841   | 17.094 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.245 | 216  | 254144   | 17.830 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 14.762 | 250  | 239052   | 17.962 | ng/uL  | 99       |
| 77) Carbazole                 | 17.603 | 167  | 767416   | 16.371 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.162 | 149  | 801878   | 15.640 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.250 | 202  | 881142   | 17.132 | ng/ul  | 98       |
| 82) Pyrene                    | 19.609 | 202  | 926440   | 17.261 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.515 | 149  | 327347   | 16.302 | ng/ul  | 95       |
| 84) 3,3'-Dichlorobenzidine    | 21.297 | 252  | 328831   | 19.464 | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.356 | 228  | 862701   | 17.498 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.286 | 149  | 448357   | 16.172 | ng/ul# | 97       |
| 87) Chrysene                  | 21.409 | 228  | 811425   | 16.750 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.191 | 149  | 742612   | 14.609 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.991 | 252  | 877322m  | 16.828 | ng/ul  |          |
| 91) Benzo(k)fluoranthene      | 23.038 | 252  | 860011   | 17.339 | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 23.597 | 252  | 784572   | 15.297 | ng/ul  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.115 | 276  | 1000935  | 16.599 | ng/ul  | 93       |
| 95) Dibenzo(a,h)anthracene    | 26.132 | 278  | 882407   | 16.987 | ng/ul  | 96       |
| 96) Benzo(g,h,i)perylene      | 26.862 | 276  | 871359   | 16.898 | ng/ul  | 96       |

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

**Instrument :**

BNA\_M

**ClientSampleId :**

SICV018

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Upadhyay

08/17/2022

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Jodhani

08/18/2022

