Quantitation Report (Qedit)

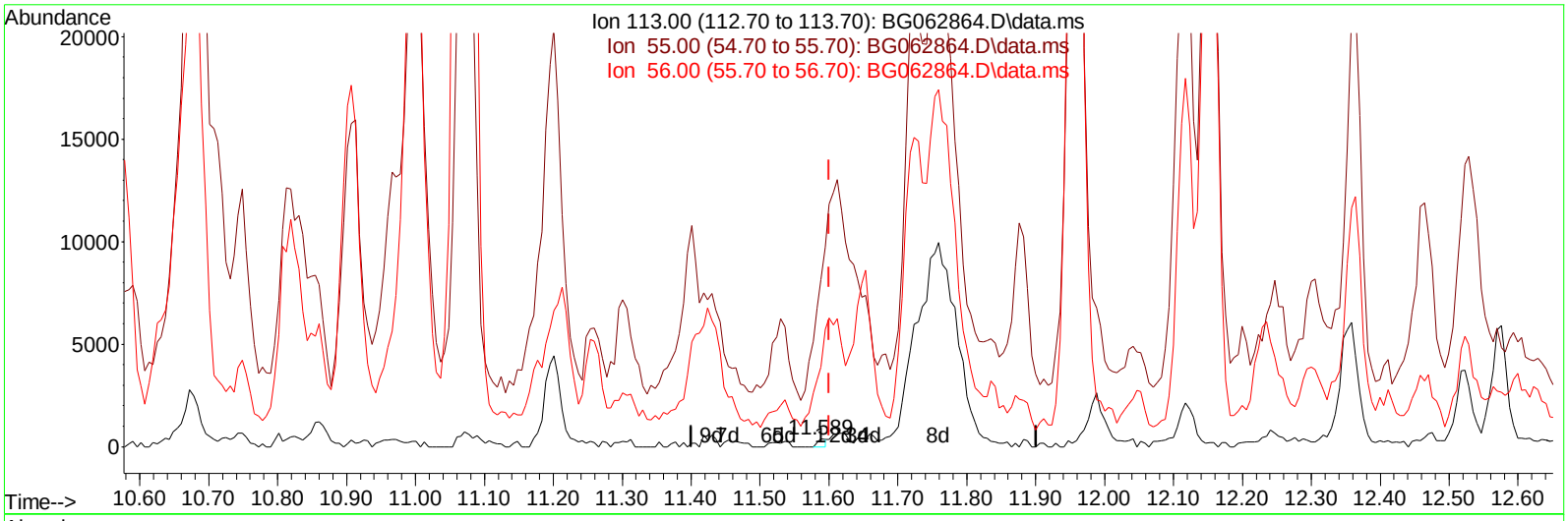
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091324\
Data File : BG062864.D
Acq On : 16 Sep 2024 3:20
Operator : JU/RC
Sample : P3899-07MS
Misc :
ALS Vial : 54 Sample Multiplier: 1

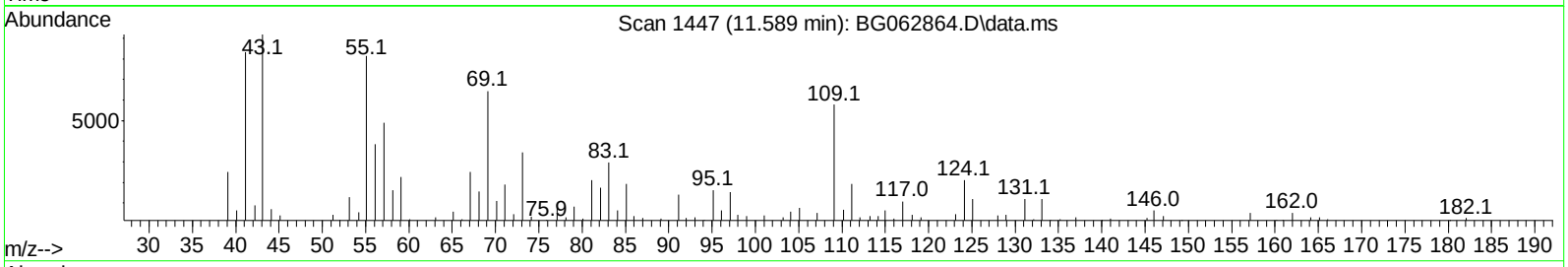
Quant Time: Sep 16 05:47:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG090924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 10 01:28:17 2024
Response via : Initial Calibration

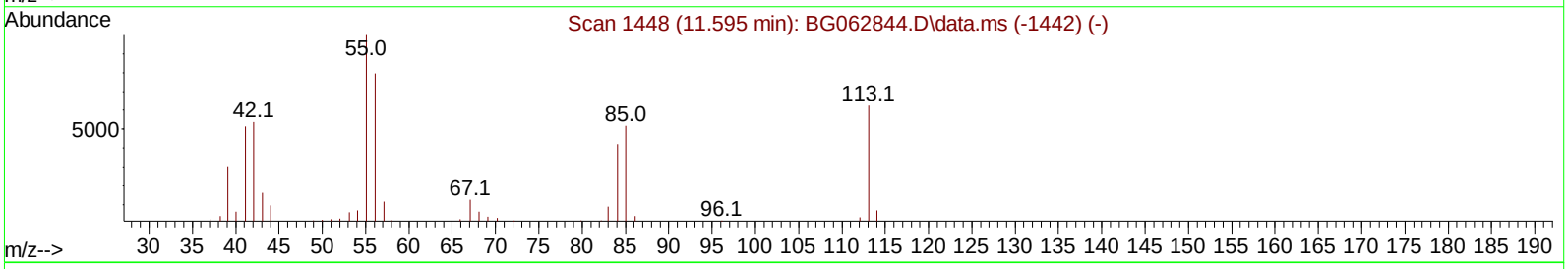
**Instrument :**
BNA_G
**ClientSampleId :**
DDC00MS

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 09/16/2024
Supervised By :mohammad ahmed 09/17/2024




TIC: BG062864.D\data.ms

**(34) Caprolactam**

**11.589min (-0.012) 0.31 ng/ul**

**response 325**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 188.50 | 2150.92# |
| 56.00 | 156.30 | 1020.84# |
| 0.00 | 0.00 | 0.00 |

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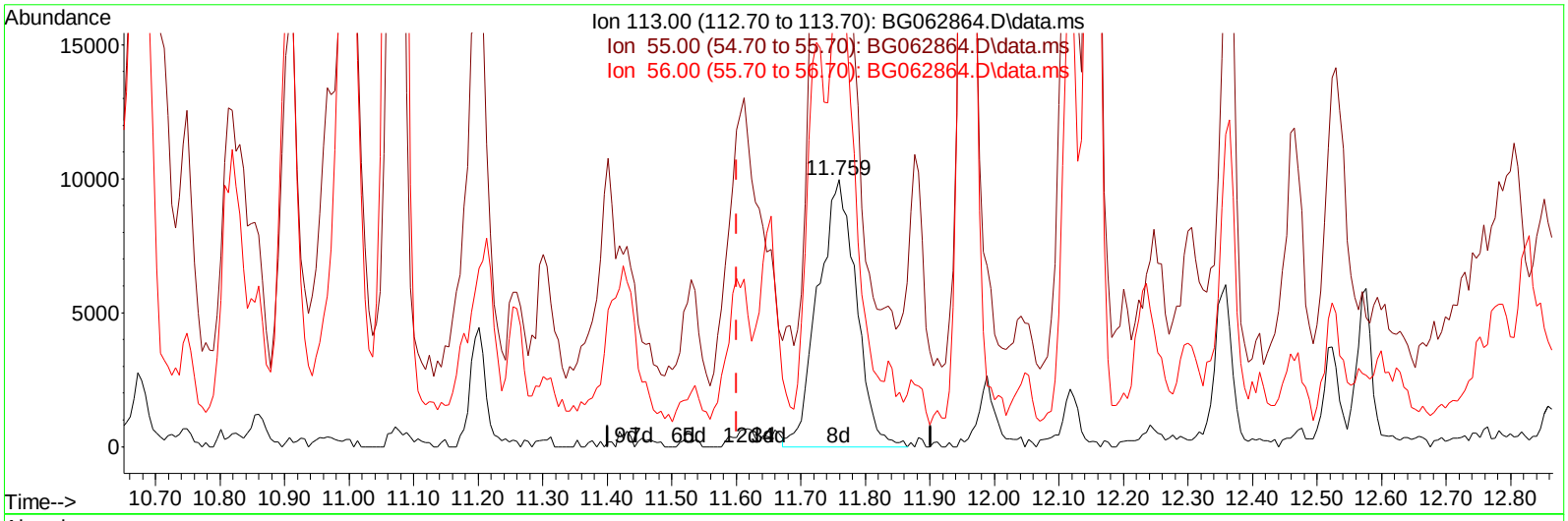


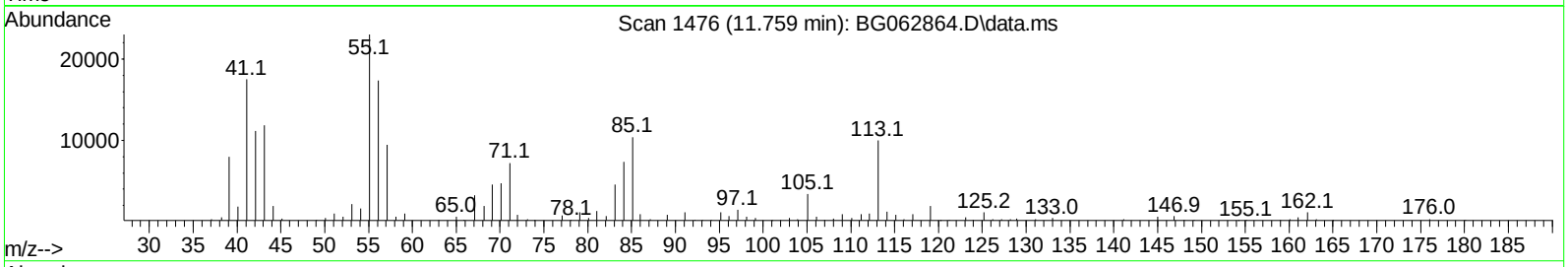


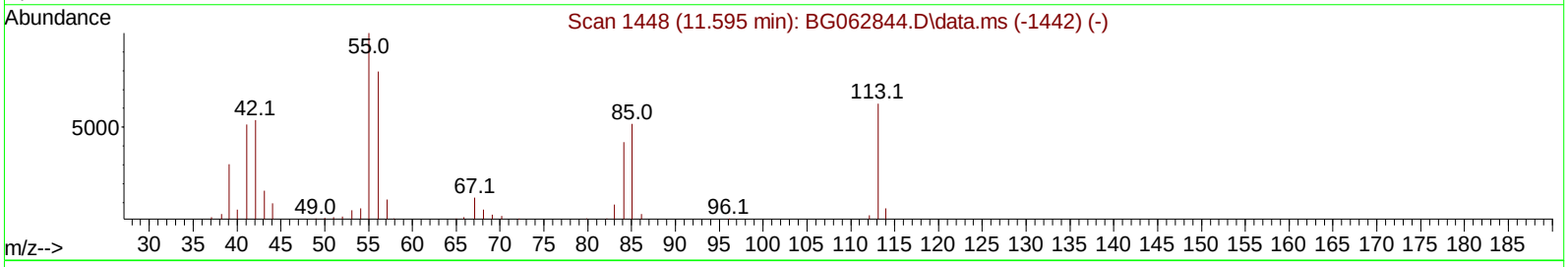


TIC: BG062864.D\data.ms

**(34) Caprolactam**

**11.759min (+ 0.158) 38.64 ng/ul m**

**response 40998**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 188.50 | 231.06# |
| 56.00 | 156.30 | 174.68 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091324\
Data File : BG062864.D
Acq On : 16 Sep 2024 3:20
Operator : JU/RC
Sample : P3899-07MS
Misc :
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Sep 16 05:08:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG090924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 10 01:28:17 2024
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**Instrument :**
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**ClientSampleId :**
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**Manual IntegrationsAPPROVED**

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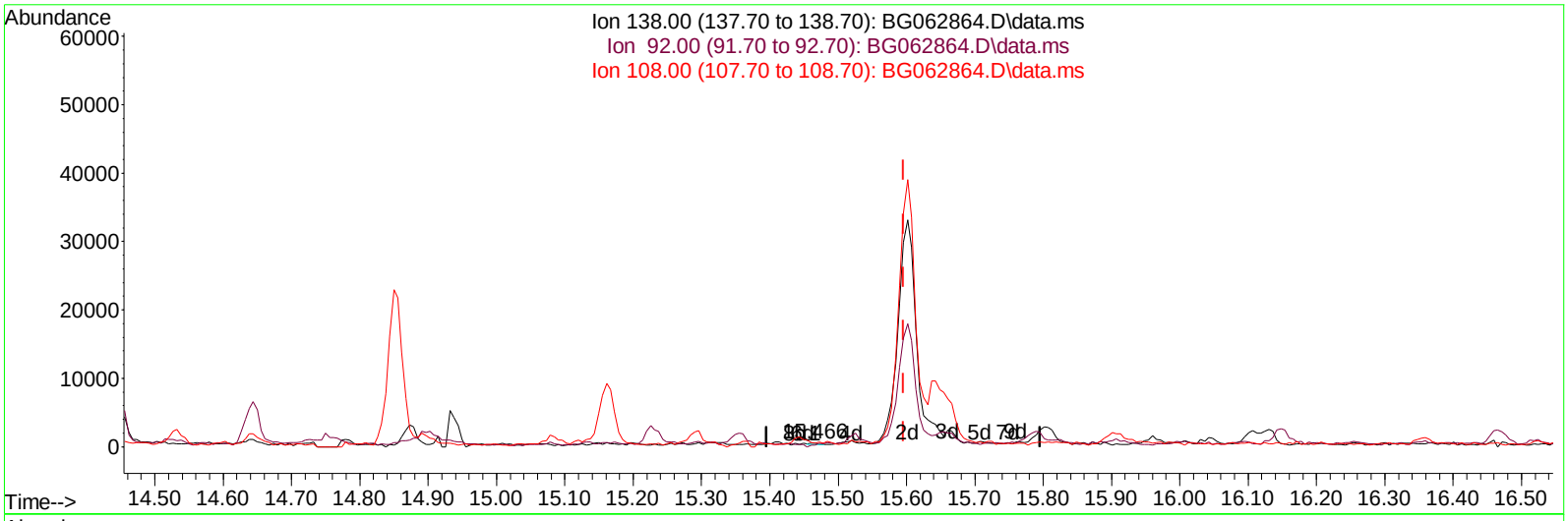


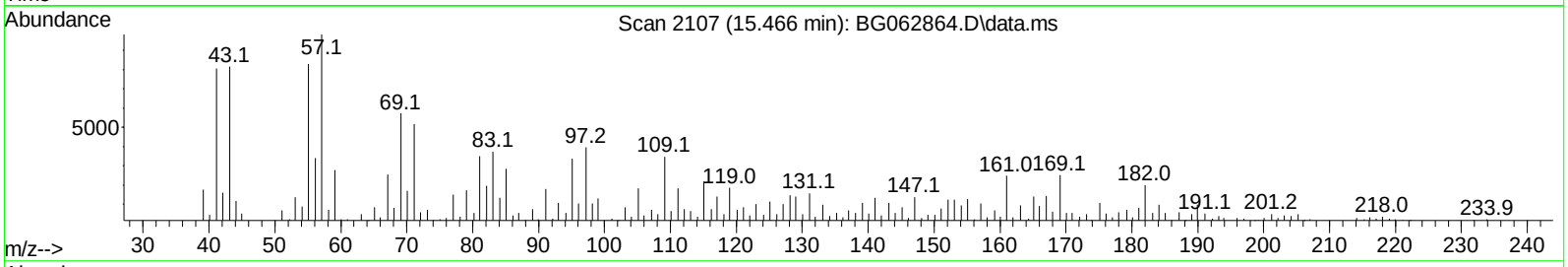


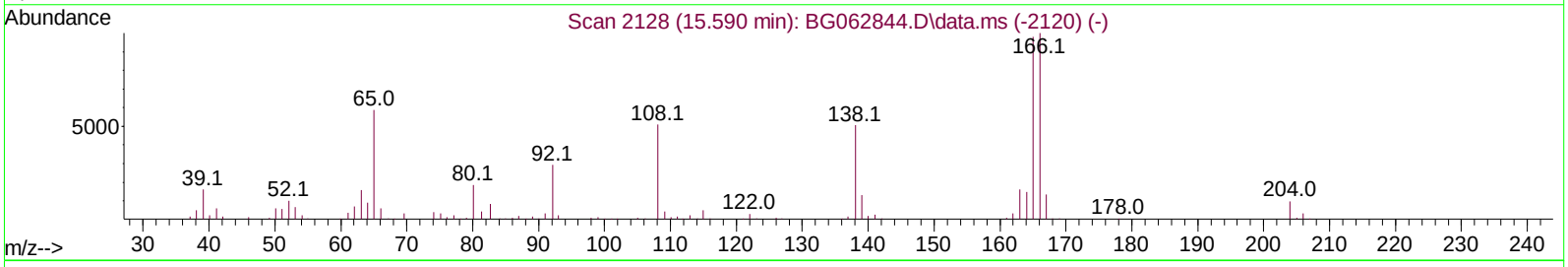


TIC: BG062864.D\data.ms

**(63) 4-Nitroaniline**

**15.466min (-0.130) 0.09 ng/ul**

**response 186**

| Ion | Exp% | Act% |
|---|---|---|
| 138.00 | 100.00 | 100.00 |
| 92.00 | 53.50 | 45.26 |
| 108.00 | 88.70 | 88.37 |
| 0.00 | 0.00 | 0.00 |

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Sample : P3899-07MS
Misc :
ALS Vial : 54 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 10 01:28:17 2024
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**Instrument :**
BNA_G
**ClientSampleId :**
DDC00MS

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 09/16/2024
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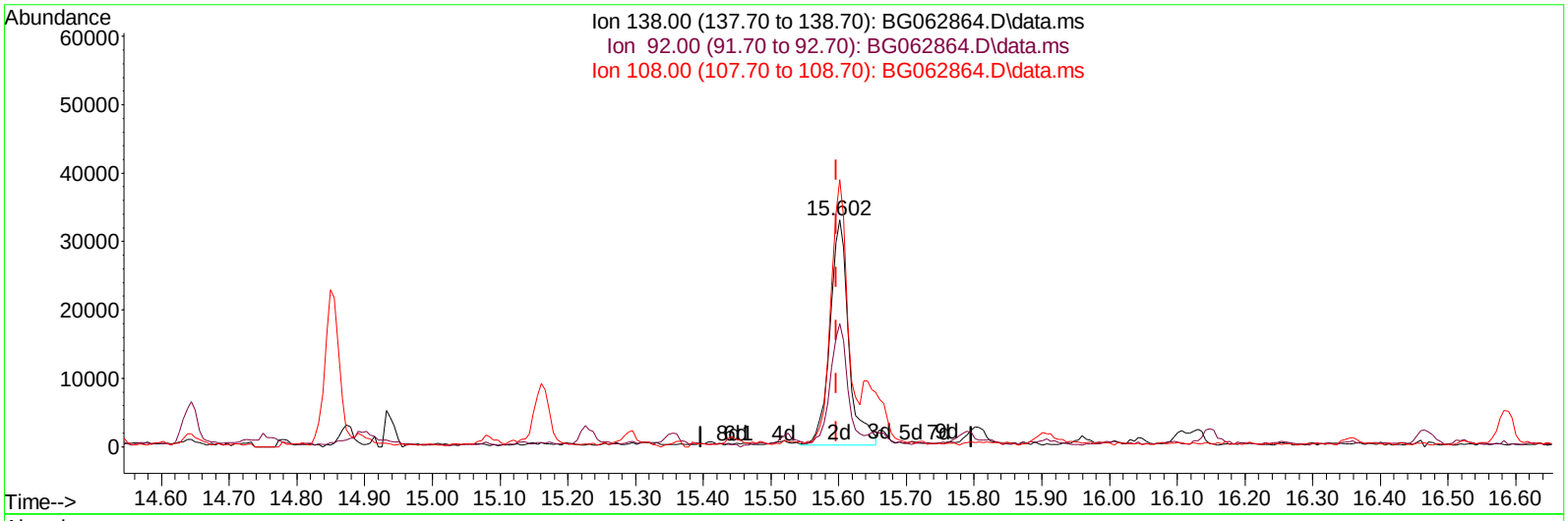


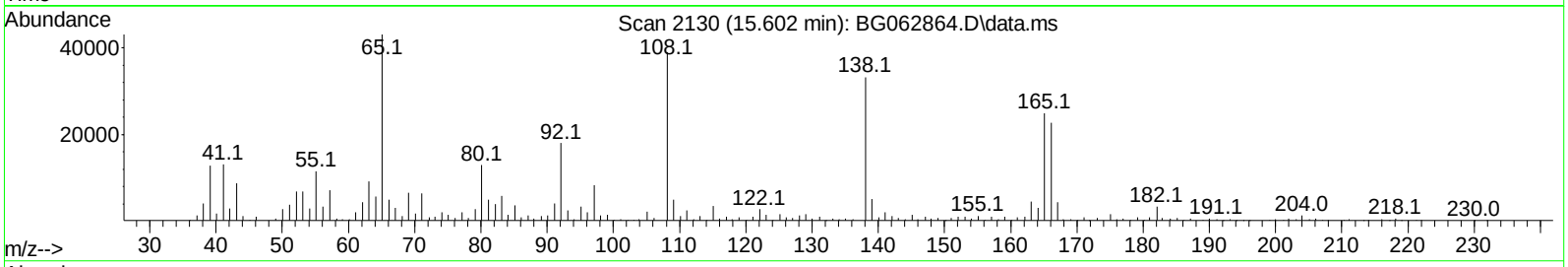


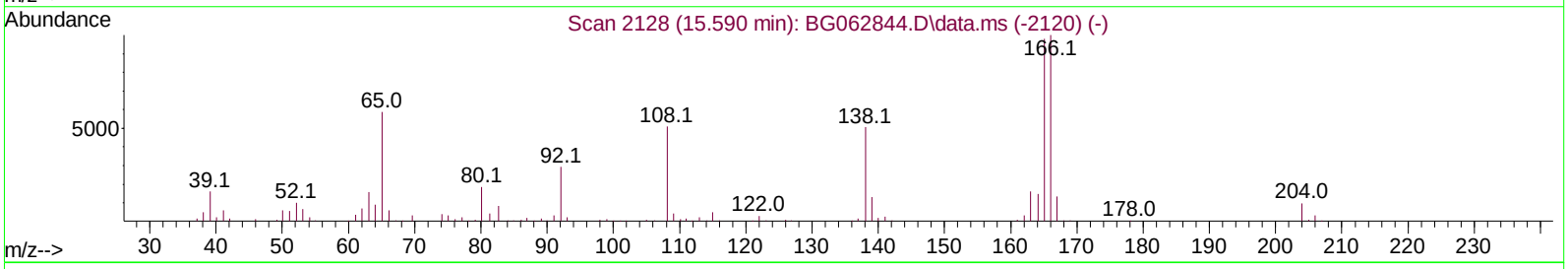


TIC: BG062864.D\data.ms

**(63) 4-Nitroaniline**

**15.602min (+ 0.005) 28.96 ng/ul m**

**response 63076**

| Ion | Exp% | Act% |
|---|---|---|
| 138.00 | 100.00 | 100.00 |
| 92.00 | 53.50 | 54.19 |
| 108.00 | 88.70 | 117.60# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

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Data File : BG062864.D
Acq On : 16 Sep 2024 3:20
Operator : JU/RC
Sample : P3899-07MS
Misc :
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Sep 16 05:52:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG090924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 10 01:28:17 2024
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
DDC00MS

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.899 | 152 | 43925 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.696 | 136 | 171726 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.532 | 164 | 144700 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.282 | 188 | 361041 | 20.000 | ng/ul | # 0.00 |
| 79) Chrysene-d12 | 21.524 | 240 | 401705 | 20.000 | ng/ul | # 0.00 |
| 88) Perylene-d12 | 24.585 | 264 | 461098 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.357 | 96 | 3152 | 3.244 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.768 | 84 | 48341 | 15.629 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.076 | 99 | 81699 | 21.211 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.229 | 67 | 42658 | 18.473 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.441 | 132 | 61865 | 22.051 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.610 | 113 | 72540 | 22.600 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.056 | 128 | 32637 | 26.591 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.779 | 143 | 36814 | 27.426 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.320 | 165 | 82831 | 28.336 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.831 | 131 | 91419 | 22.752 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.939 | 166 | 261013 | 23.424 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.227 | 160 | 293526 | 23.718 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.738 | 143 | 43007 | 22.720 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.525 | 176 | 239221 | 23.824 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.666 | 200 | 153381 | 73.855 | ng/ul | 0.02 |
| 73) Anthracene-d10 | 17.382 | 188 | 414161 | 24.307 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.667 | 212 | 522624 | 23.120 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.380 | 264 | 609197 | 25.021 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.392 | 88 | 10448 | 9.594 | ng/uL# | 92 |
| 5) Pyridine | 3.792 | 79 | 79855 | 24.614 | ng/ul | 93 |
| 6) Benzaldehyde | 7.041 | 77 | 71781 | 33.896 | ng/ul | 91 |
| 8) Phenol | 7.106 | 94 | 114736 | 28.656 | ng/ul | 92 |
| 10) Bis(2-Chloroethyl)ether | 7.323 | 93 | 75067 | 24.801 | ng/ul | 99 |
| 12) 2-Chlorophenol | 7.470 | 128 | 84469 | 29.446 | ng/ul | 97 |
| 13) 2-Methylphenol | 8.351 | 108 | 86755 | 28.895 | ng/ul | 100 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.422 | 45 | 131630 | 24.162 | ng/ul# | 94 |
| 16) Acetophenone | 8.716 | 105 | 243749 | 46.724 | ng/ul# | 80 |
| 17) N-Nitroso-di-n-propyla... | 8.704 | 70 | 86261 | 31.587 | ng/ul# | 95 |
| 18) 4-Methylphenol | 8.674 | 108 | 99375 | 29.420 | ng/ul | 96 |
| 19) Hexachloroethane | 8.980 | 117 | 48629 | 42.110 | ng/ul | 84 |
| 22) Nitrobenzene | 9.097 | 77 | 116088 | 34.963 | ng/ul# | 97 |
| 23) Isophorone | 9.620 | 82 | 235526 | 34.696 | ng/ul# | 96 |
| 25) 2-Nitrophenol | 9.808 | 139 | 52876 | 35.741 | ng/ul# | 86 |
| 26) 2,4-Dimethylphenol | 9.879 | 107 | 87178 | 27.577 | ng/ul | 88 |
| 27) Bis(2-Chloroethoxy)met... | 10.102 | 93 | 109529 | 28.871 | ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 10.349 | 162 | 105229 | 36.549 | ng/ul | 97 |
| 30) Naphthalene | 10.748 | 128 | 330062 | 35.847 | ng/ul | 98 |
| 32) 4-Chloroaniline | 10.854 | 127 | 99100 | 24.799 | ng/ul | 96 |
| 33) Hexachlorobutadiene | 11.030 | 225 | 105050 | 43.798 | ng/ul | 91 |
| 34) Caprolactam | 11.759 | 113 | 40998m | 38.636 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.988 | 107 | 111328 | 35.446 | ng/ul | 98 |

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**Manual IntegrationsAPPROVED**

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.352 | 142 | 319568 | 47.026 | ng/ul | 94 |
| 37) 1-Methylnaphthalene | 12.576 | 142 | 280760 | 40.334 | ng/ul# | 96 |
| 39) 1,2,4,5-Tetrachloroben... | 12.723 | 216 | 186389 | 37.468 | ng/ul | 97 |
| 40) Hexachlorocyclopentadiene | 12.705 | 237 | 88713 | 34.853 | ng/ul | 96 |
| 41) 2,4,6-Trichlorophenol | 12.963 | 196 | 112127 | 37.212 | ng/ul | 98 |
| 42) 2,4,5-Trichlorophenol | 13.040 | 196 | 129227 | 39.945 | ng/ul | 96 |
| 43) 1,1'-Biphenyl | 13.363 | 154 | 316468 | 31.101 | ng/ul | 98 |
| 44) 2-Chloronaphthalene | 13.404 | 162 | 261098 | 31.555 | ng/ul | 97 |
| 45) 2-Nitroaniline | 13.610 | 65 | 79394 | 34.968 | ng/ul | 94 |
| 47) Dimethylphthalate | 13.986 | 163 | 337226 | 29.387 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.109 | 165 | 71660 | 35.445 | ng/ul | 90 |
| 50) Acenaphthylene | 14.256 | 152 | 387236 | 29.638 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.438 | 138 | 54039 | 26.698 | ng/ul# | 99 |
| 52) Acenaphthene | 14.597 | 153 | 280865 | 30.348 | ng/ul | 98 |
| 53) 2,4-Dinitrophenol | 14.644 | 184 | 43539 | 32.614 | ng/ul | 92 |
| 55) 4-Nitrophenol | 14.755 | 109 | 72194 | 42.429 | ng/ul# | 77 |
| 56) Dibenzofuran | 14.932 | 168 | 412969 | 30.038 | ng/ul | 95 |
| 57) 2,4-Dinitrotoluene | 14.897 | 165 | 102432 | 32.406 | ng/ul | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.161 | 232 | 339039 | 103.412 | ng/ul# | 96 |
| 59) Diethylphthalate | 15.355 | 149 | 330153 | 29.164 | ng/ul | 99 |
| 61) Fluorene | 15.578 | 166 | 331975 | 30.738 | ng/ul | 99 |
| 62) 4-Chlorophenyl-phenyle... | 15.572 | 204 | 208893 | 32.973 | ng/ul | 98 |
| 63) 4-Nitroaniline | 15.602 | 138 | 63076m | 28.959 | ng/ul | |
| 66) 4,6-Dinitro-2-methylph... | 15.666 | 198 | 355663 | 165.214 | ng/ul# | 72 |
| 67) N-Nitrosodiphenylamine | 15.790 | 169 | 306081 | 33.056 | ng/ul | 97 |
| 68) 4-Bromophenyl-phenylether | 16.465 | 248 | 150536 | 36.234 | ng/ul | 97 |
| 69) Hexachlorobenzene | 16.589 | 284 | 172202 | 36.302 | ng/ul | 98 |
| 70) Atrazine | 16.747 | 200 | 130121 | 31.552 | ng/ul | 97 |
| 71) Pentachlorophenol | 16.959 | 266 | 2709638 | 955.020 | ng/ul | 93 |
| 72) Phenanthrene | 17.323 | 178 | 629922 | 33.551 | ng/ul | 100 |
| 74) Anthracene | 17.417 | 178 | 576827 | 30.136 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.328 | 216 | 182488 | 37.012 | ng/ul | 97 |
| 76) Pentachlorobenzene | 14.855 | 250 | 196040 | 35.881 | ng/ul | 98 |
| 77) Carbazole | 17.681 | 167 | 480286 | 30.259 | ng/ul | 96 |
| 78) Di-n-butylphthalate | 18.240 | 149 | 560137 | 29.839 | ng/ul | 98 |
| 80) Fluoranthene | 19.332 | 202 | 718404 | 28.695 | ng/ul# | 95 |
| 82) Pyrene | 19.697 | 202 | 760231 | 28.209 | ng/ul# | 94 |
| 83) Butylbenzylphthalate | 20.584 | 149 | 252904 | 31.612 | ng/ul | 99 |
| 84) 3,3'-Dichlorobenzidine | 21.424 | 252 | 188917 | 22.338 | ng/ul | 95 |
| 85) Benzo(a)anthracene | 21.506 | 228 | 856661 | 30.662 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.418 | 149 | 376905 | 31.995 | ng/ul | 100 |
| 87) Chrysene | 21.571 | 228 | 814965 | 30.747 | ng/ul | 98 |
| 89) Di-n-octyl phthalate | 22.576 | 149 | 628018 | 29.281 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.622 | 252 | 891970 | 31.332 | ng/ul# | 98 |
| 91) Benzo(k)fluoranthene | 23.686 | 252 | 876156 | 30.057 | ng/ul# | 97 |
| 93) Benzo(a)pyrene | 24.444 | 252 | 825988 | 30.761 | ng/ul# | 98 |
| 94) Indeno(1,2,3-cd)pyrene | 28.052 | 276 | 1120101 | 33.857 | ng/ul# | 96 |
| 95) Dibenzo(a,h)anthracene | 28.110 | 278 | 906976 | 34.131 | ng/ul# | 97 |
| 96) Benzo(g,h,i)perylene | 29.127 | 276 | 869769 | 34.040 | ng/ul# | 96 |

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

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