Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080824\
Data File : BG062349.D
Acq On : 9 Aug 2024 5:55
Operator : MA/JU
Sample : PB162448BS
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 09 06:46:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG080524.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 09 01:00:03 2024
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SLCS448

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 08/09/2024
Supervised By :mohammad ahmed 08/12/2024

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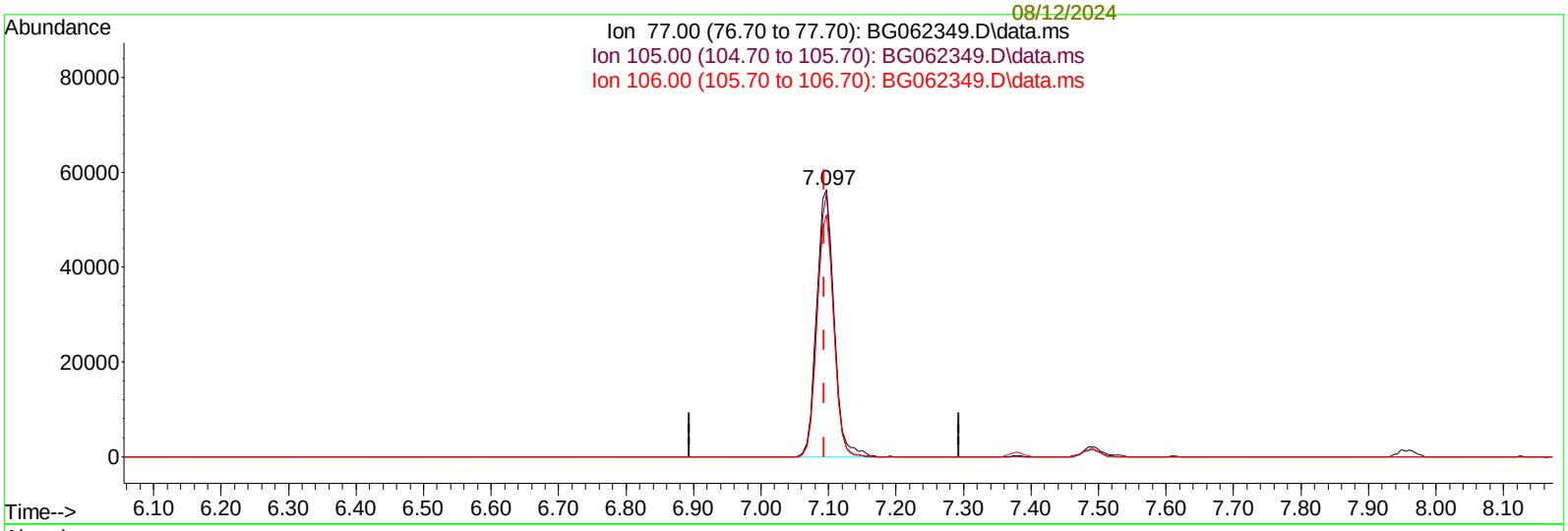
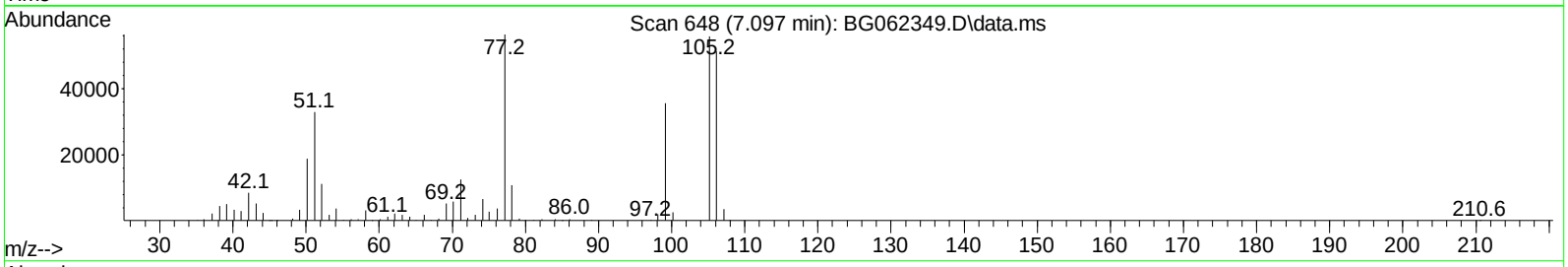
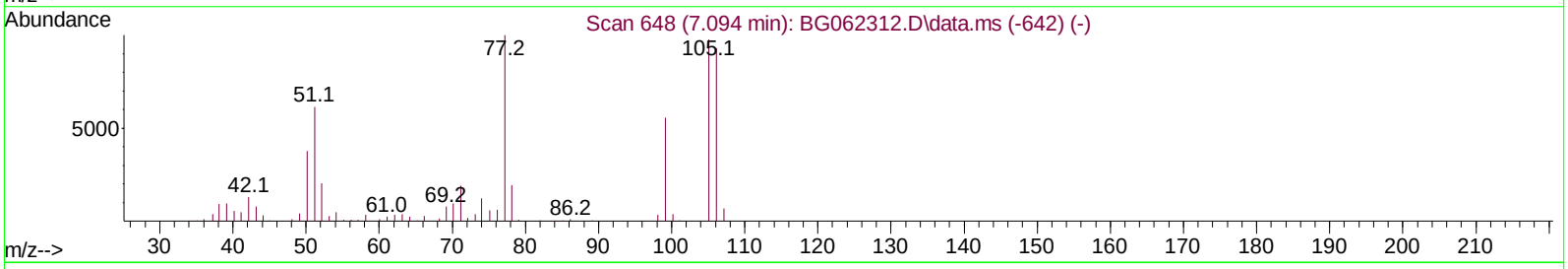
08/12/2024




TIC: BG062349.D\data.ms

**(6) Benzaldehyde**

**7.097min (+ 0.003) 30.40 ng/ul**

**response 101663**

| Ion | Exp% | Act% |
|---|---|---|
| 77.00 | 100.00 | 100.00 |
| 105.00 | 95.00 | 98.86 |
| 106.00 | 91.40 | 90.72 |
| 0.00 | 0.00 | 0.00 |

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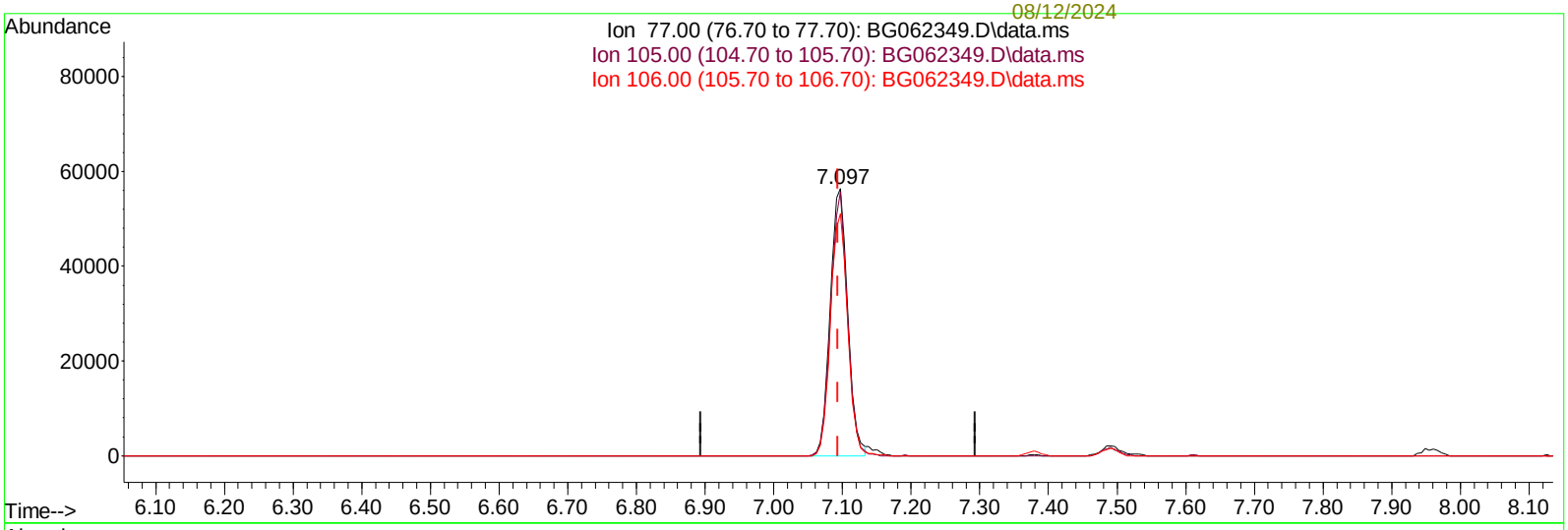


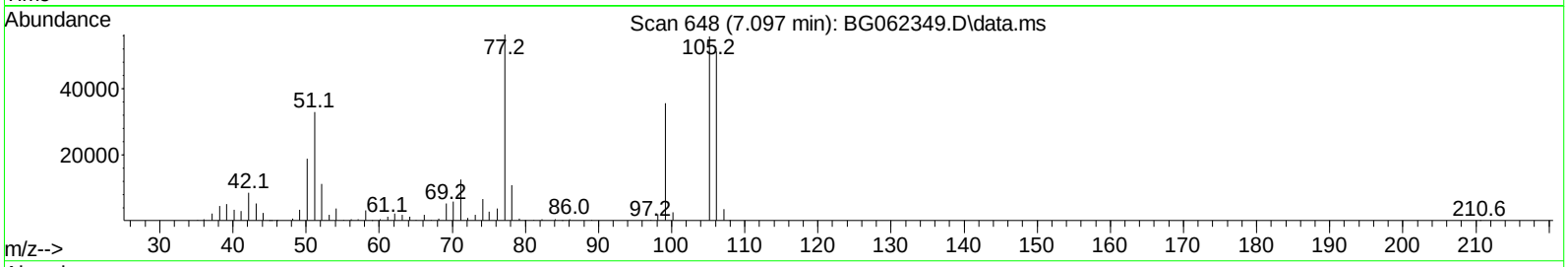


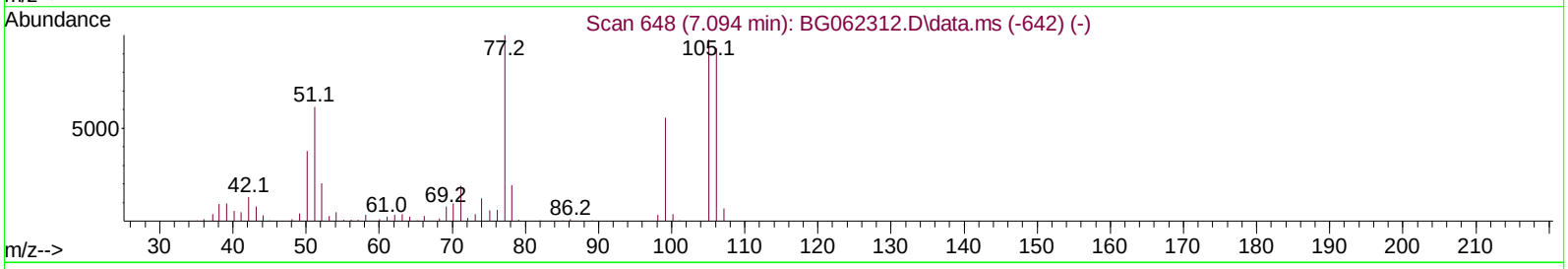


TIC: BG062349.D\data.ms

**(6) Benzaldehyde**

**7.097min (+ 0.003) 29.82 ng/ul m**

**response 99699**

| Ion | Exp% | Act% |
|---|---|---|
| 77.00 | 100.00 | 100.00 |
| 105.00 | 95.00 | 98.86 |
| 106.00 | 91.40 | 90.72 |
| 0.00 | 0.00 | 0.00 |

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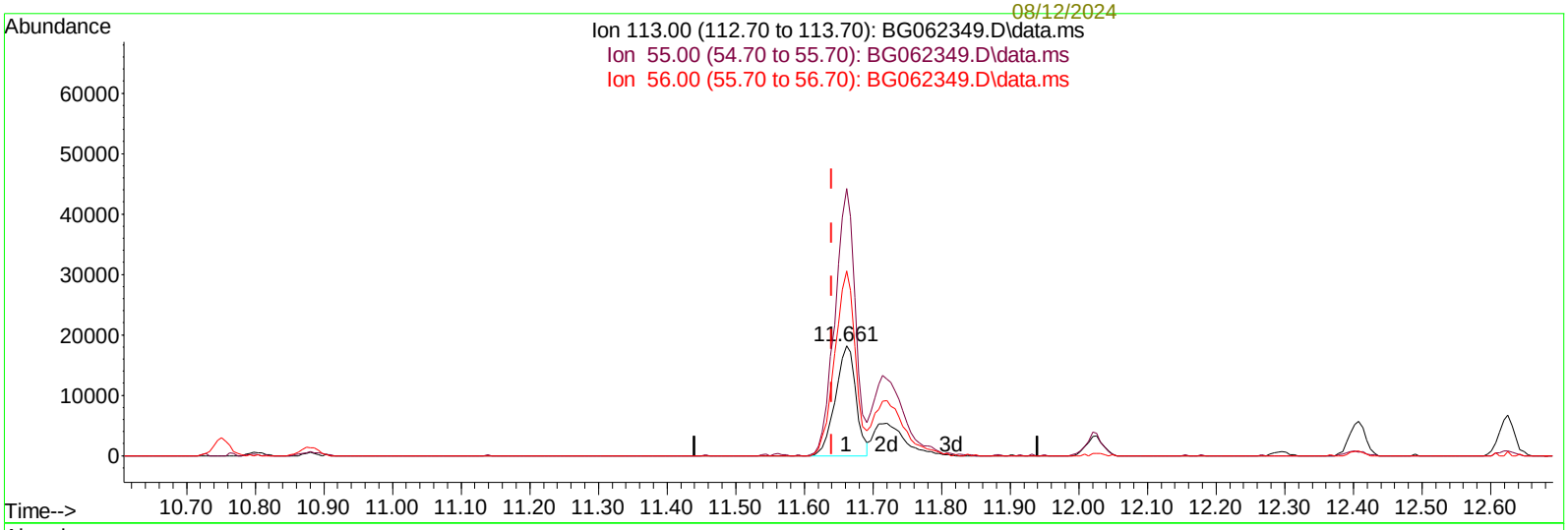


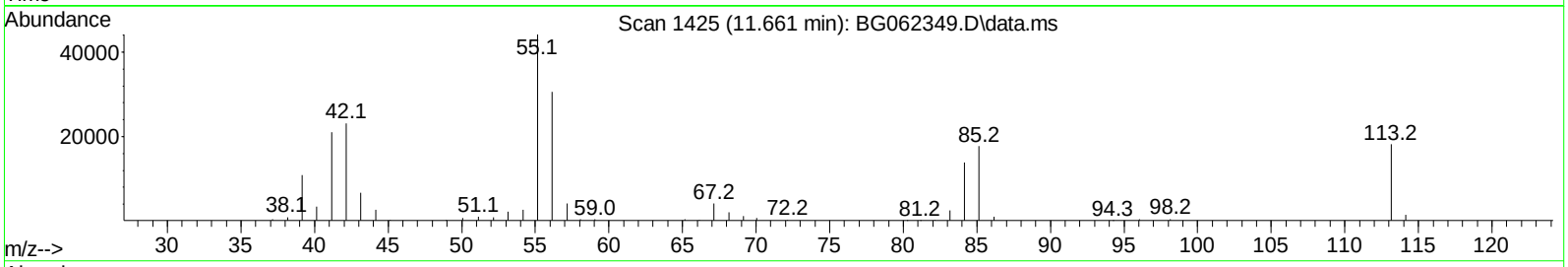


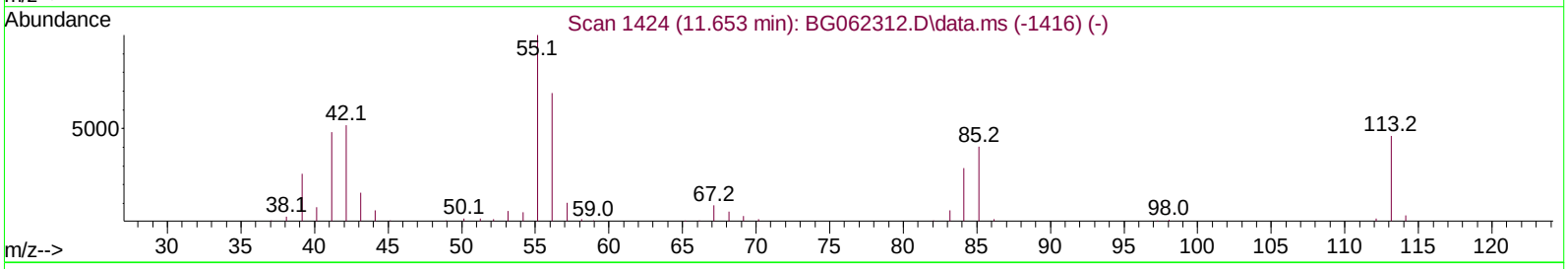


TIC: BG062349.D\data.ms

**(34) Caprolactam**

**11.661min (+ 0.021) 19.87 ng/ul**

**response 37661**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 220.20 | 242.71 |
| 56.00 | 156.80 | 167.93 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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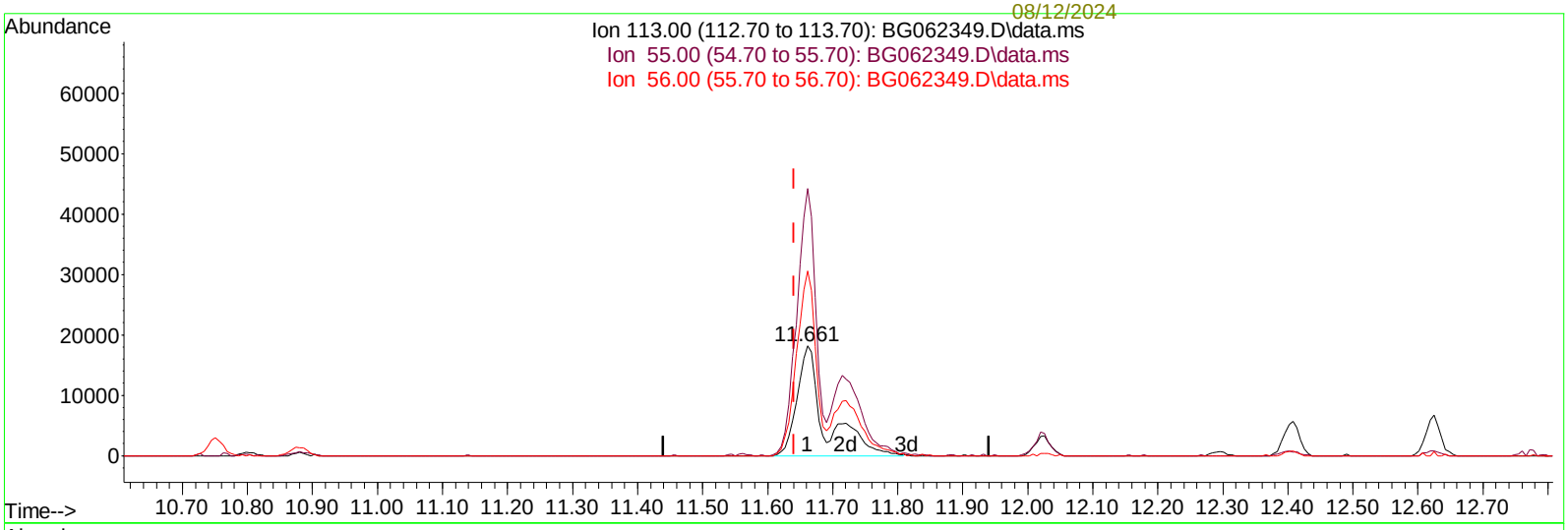


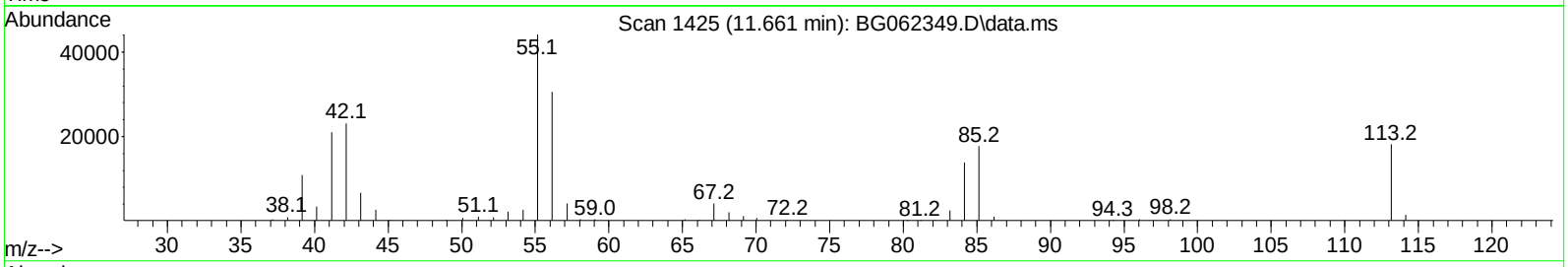


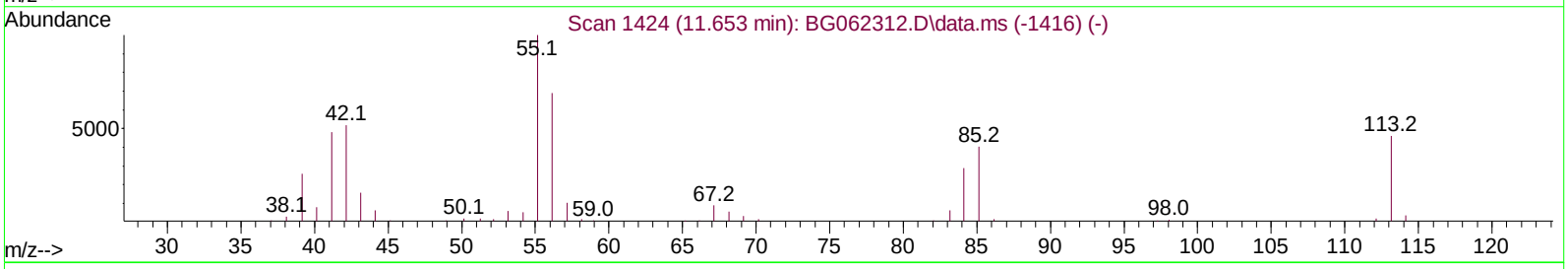


TIC: BG062349.D\data.ms

**(34) Caprolactam**

**11.661min (+ 0.021) 28.81 ng/ul m**

**response 54610**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 220.20 | 242.71 |
| 56.00 | 156.80 | 167.93 |
| 0.00 | 0.00 | 0.00 |

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Misc :
ALS Vial : 24 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SLCS448

**Manual IntegrationsAPPROVED**

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08/12/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.955 | 152 | 66290 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.751 | 136 | 317387 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.575 | 164 | 248356 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.313 | 188 | 532677 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.554 | 240 | 529971 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.644 | 264 | 602463 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.420 | 96 | 8885 | 5.779 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.825 | 84 | 129500 | 26.775 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.115 | 99 | 197807 | 31.263 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.285 | 67 | 115449 | 29.641 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.491 | 132 | 138265 | 30.500 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.660 | 113 | 156450 | 29.686 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.112 | 128 | 71236 | 36.399 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.829 | 143 | 81868 | 44.469 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.369 | 165 | 168241 | 31.464 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.880 | 131 | 203042 | 26.180 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.988 | 166 | 535420 | 27.942 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.270 | 160 | 608729 | 28.019 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.757 | 143 | 90931 | 33.896 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.568 | 176 | 490610 | 28.525 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.680 | 200 | 83111 | 52.684 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.413 | 188 | 723094 | 28.145 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.692 | 212 | 898665 | 28.529 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.432 | 264 | 935800 | 29.057 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.455 | 88 | 17228 | 9.926 | ng/uL# | 86 |
| 5) Pyridine | 3.843 | 79 | 139581 | 27.765 | ng/ul | 99 |
| 6) Benzaldehyde | 7.097 | 77 | 99699m | 29.816 | ng/ul | |
| 8) Phenol | 7.144 | 94 | 204869 | 30.686 | ng/ul | 99 |
| 10) Bis(2-Chloroethyl)ether | 7.379 | 93 | 145345 | 29.376 | ng/ul | 96 |
| 12) 2-Chlorophenol | 7.520 | 128 | 148286 | 30.788 | ng/ul | 92 |
| 13) 2-Methylphenol | 8.389 | 108 | 150229 | 29.842 | ng/ul | 98 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.483 | 45 | 298824 | 29.560 | ng/ul | 99 |
| 16) Acetophenone | 8.777 | 105 | 245371 | 29.236 | ng/ul | 98 |
| 17) N-Nitroso-di-n-propyla... | 8.765 | 70 | 131247 | 29.425 | ng/ul | 94 |
| 18) 4-Methylphenol | 8.724 | 108 | 166686 | 29.568 | ng/ul | 93 |
| 19) Hexachloroethane | 9.041 | 117 | 56145 | 31.368 | ng/ul | 99 |
| 22) Nitrobenzene | 9.153 | 77 | 190212 | 34.177 | ng/ul | 98 |
| 23) Isophorone | 9.676 | 82 | 383918 | 28.675 | ng/ul | 98 |
| 25) 2-Nitrophenol | 9.864 | 139 | 90003 | 40.304 | ng/ul | 93 |
| 26) 2,4-Dimethylphenol | 9.923 | 107 | 143602 | 22.466 | ng/ul | 98 |
| 27) Bis(2-Chloroethoxy)met... | 10.158 | 93 | 216596 | 28.687 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.398 | 162 | 171468 | 31.640 | ng/ul | 98 |
| 30) Naphthalene | 10.804 | 128 | 524867 | 29.093 | ng/ul | 100 |
| 32) 4-Chloroaniline | 10.904 | 127 | 186087 | 24.549 | ng/ul | 100 |
| 33) Hexachlorobutadiene | 11.092 | 225 | 114722 | 27.969 | ng/ul | 98 |
| 34) Caprolactam | 11.661 | 113 | 54610m | 28.808 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.026 | 107 | 195503 | 32.148 | ng/ul | 98 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.408 | 142 | 383064 | 30.820 | ng/ul | 98 |
| 37) 1-Methylnaphthalene | 12.625 | 142 | 387163 | 30.066 | ng/ul | 98 |
| 39) 1,2,4,5-Tetrachloroben... | 12.772 | 216 | 243627 | 30.046 | ng/ul | 98 |
| 40) Hexachlorocyclopentadiene | 12.760 | 237 | 90817 | 28.820 | ng/ul | 96 |
| 41) 2,4,6-Trichlorophenol | 13.007 | 196 | 134339 | 28.566 | ng/ul | 97 |
| 42) 2,4,5-Trichlorophenol | 13.077 | 196 | 154340 | 30.460 | ng/ul | 97 |
| 43) 1,1'-Biphenyl | 13.412 | 154 | 548781 | 29.165 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.453 | 162 | 430851 | 29.468 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.647 | 65 | 141394 | 37.969 | ng/ul | 98 |
| 47) Dimethylphthalate | 14.035 | 163 | 543891 | 28.294 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.146 | 165 | 104969 | 39.994 | ng/ul | 94 |
| 50) Acenaphthylene | 14.299 | 152 | 685057 | 29.593 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.469 | 138 | 108128 | 36.189 | ng/ul# | 94 |
| 52) Acenaphthene | 14.640 | 153 | 481874 | 27.959 | ng/ul | 97 |
| 53) 2,4-Dinitrophenol | 14.675 | 184 | 53000 | 50.786 | ng/ul# | 83 |
| 55) 4-Nitrophenol | 14.775 | 109 | 77624 | 32.349 | ng/ul | 95 |
| 56) Dibenzofuran | 14.975 | 168 | 677667 | 28.462 | ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 14.934 | 165 | 156691 | 43.522 | ng/ul | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.198 | 232 | 121591 | 26.649 | ng/ul | 99 |
| 59) Diethylphthalate | 15.403 | 149 | 540806 | 27.861 | ng/ul | 98 |
| 61) Fluorene | 15.621 | 166 | 524088 | 28.151 | ng/ul | 97 |
| 62) 4-Chlorophenyl-phenyle... | 15.621 | 204 | 275293 | 28.681 | ng/ul | 97 |
| 63) 4-Nitroaniline | 15.633 | 138 | 112631 | 39.115 | ng/ul | 95 |
| 66) 4,6-Dinitro-2-methylph... | 15.697 | 198 | 91794 | 50.501 | ng/ul | 99 |
| 67) N-Nitrosodiphenylamine | 15.826 | 169 | 468790 | 29.369 | ng/ul | 97 |
| 68) 4-Bromophenyl-phenylether | 16.508 | 248 | 185809 | 30.616 | ng/ul | 98 |
| 69) Hexachlorobenzene | 16.625 | 284 | 208445 | 29.524 | ng/ul | 97 |
| 70) Atrazine | 16.772 | 200 | 17099 | 2.796 | ng/ul | 95 |
| 71) Pentachlorophenol | 16.966 | 266 | 95693 | 25.741 | ng/ul | 98 |
| 72) Phenanthrene | 17.360 | 178 | 868722 | 28.976 | ng/ul | 99 |
| 74) Anthracene | 17.448 | 178 | 871038 | 28.307 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.377 | 216 | 249400 | 31.261 | ng/ul | 98 |
| 76) Pentachlorobenzene | 14.898 | 250 | 242371 | 29.040 | ng/ul | 96 |
| 77) Carbazole | 17.712 | 167 | 740852 | 29.358 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.288 | 149 | 909700 | 30.295 | ng/ul | 100 |
| 80) Fluoranthene | 19.363 | 202 | 1031593 | 28.963 | ng/ul | 99 |
| 82) Pyrene | 19.727 | 202 | 1091862 | 28.786 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.620 | 149 | 411087 | 31.402 | ng/ul | 98 |
| 84) 3,3'-Dichlorobenzidine | 21.454 | 252 | 387955 | 32.521 | ng/ul | 100 |
| 85) Benzo(a)anthracene | 21.536 | 228 | 1147559 | 29.567 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.466 | 149 | 610215 | 30.203 | ng/ul | 97 |
| 87) Chrysene | 21.601 | 228 | 1093398 | 29.842 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.641 | 149 | 1061453 | 30.929 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.669 | 252 | 1106071 | 30.181 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.733 | 252 | 1125256 | 30.181 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 24.503 | 252 | 1005458 | 28.995 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 28.127 | 276 | 1351160 | 30.068 | ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 28.198 | 278 | 1122271 | 30.578 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 29.220 | 276 | 1061903 | 31.119 | ng/ul | 98 |

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

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