Quantitation Report (Qedit)

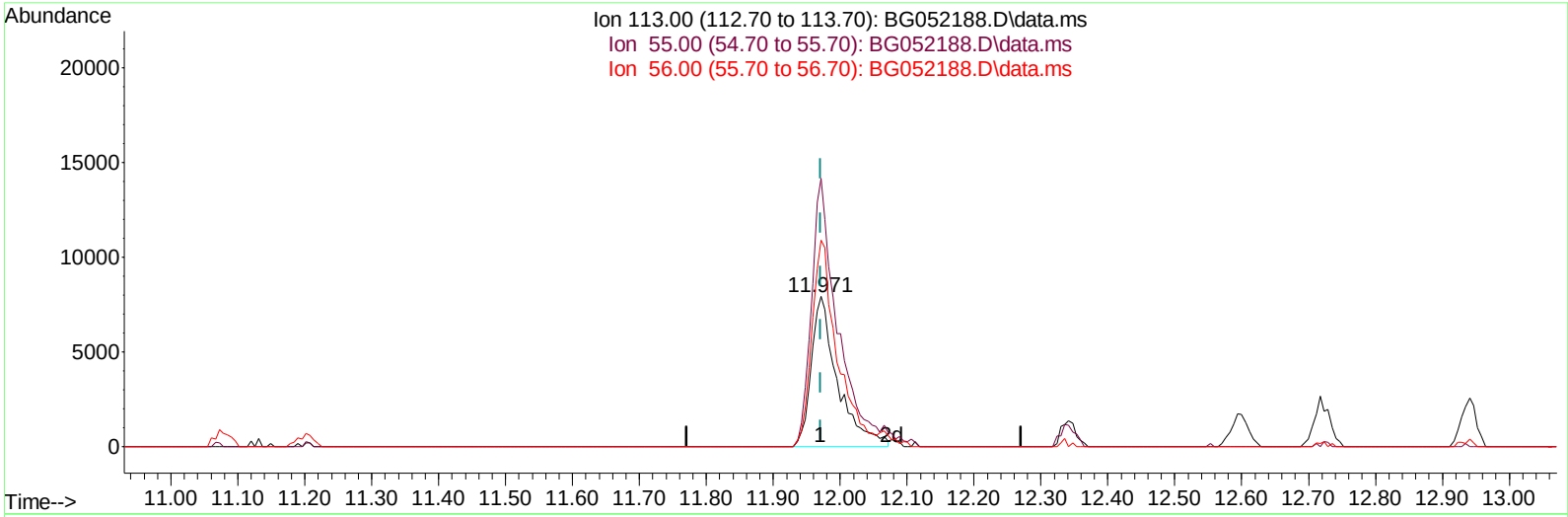
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012622\
Data File : BG052188.D
Acq On : 27 Jan 2022 16:43
Operator : CG/JU
Sample : PB142296BS
Misc :
ALS Vial : 46 Sample Multiplier: 1

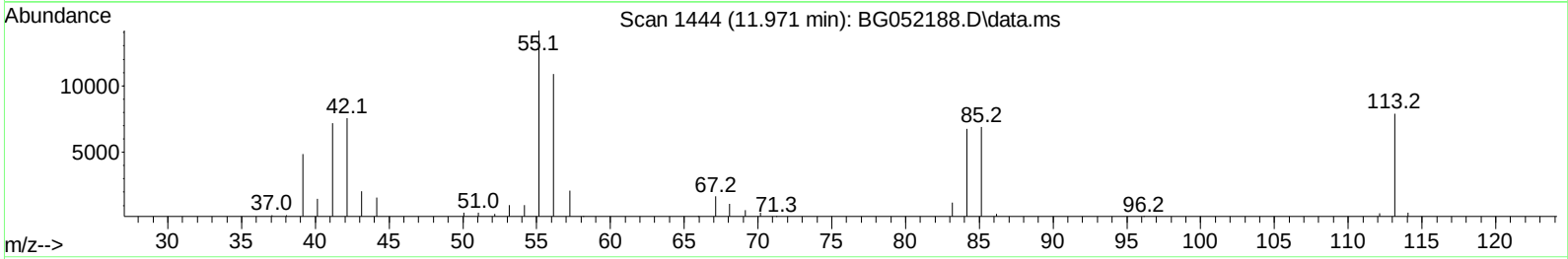
Quant Time: Jan 27 23:59:59 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG010622.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 26 23:58:52 2022
Response via : Initial Calibration

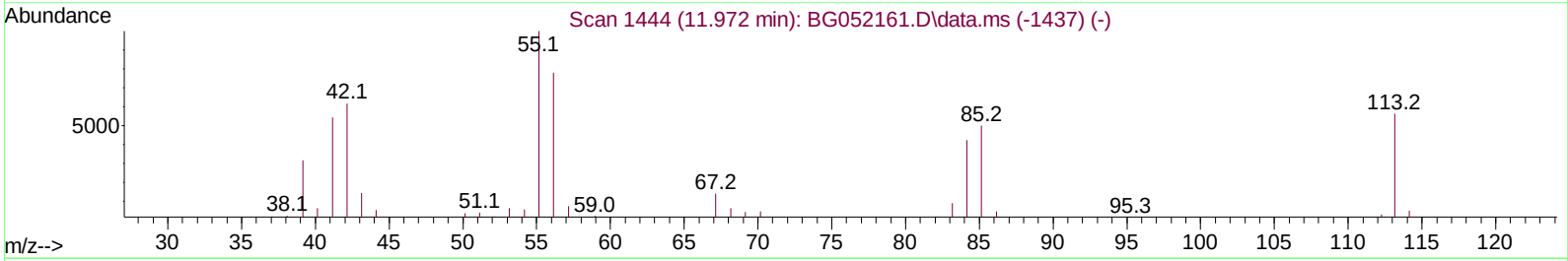
**Instrument :**
BNA_G
**ClientSampleId :**
SLCS296

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 01/28/2022
Supervised By :Yogesh Patel 01/28/2022




TIC: BG052188.D\data.ms

**(34) Caprolactam**

**11.971min (-0.000) 28.64 ng/ul**

**response 21593**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 183.80 | 178.88 |
| 56.00 | 136.50 | 137.70 |
| 0.00 | 0.00 | 0.00 |

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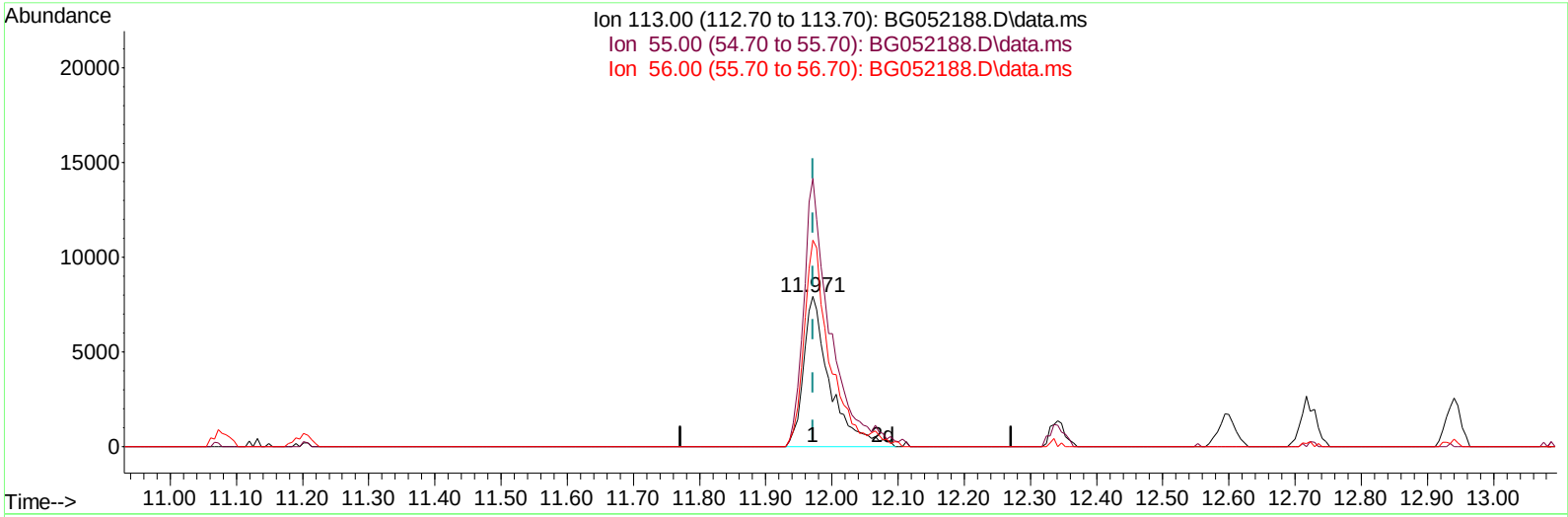


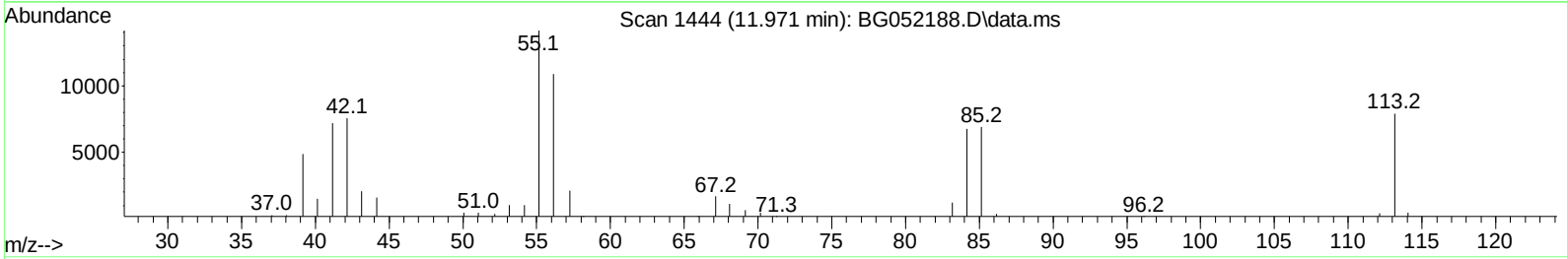


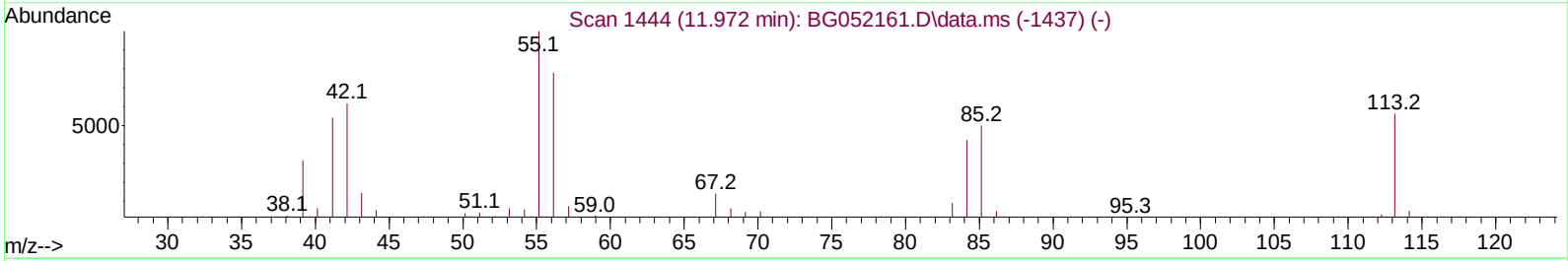


TIC: BG052188.D\data.ms

**(34) Caprolactam**

**11.971min (-0.000) 29.08 ng/ul m**

**response 21929**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 183.80 | 178.88 |
| 56.00 | 136.50 | 137.70 |
| 0.00 | 0.00 | 0.00 |

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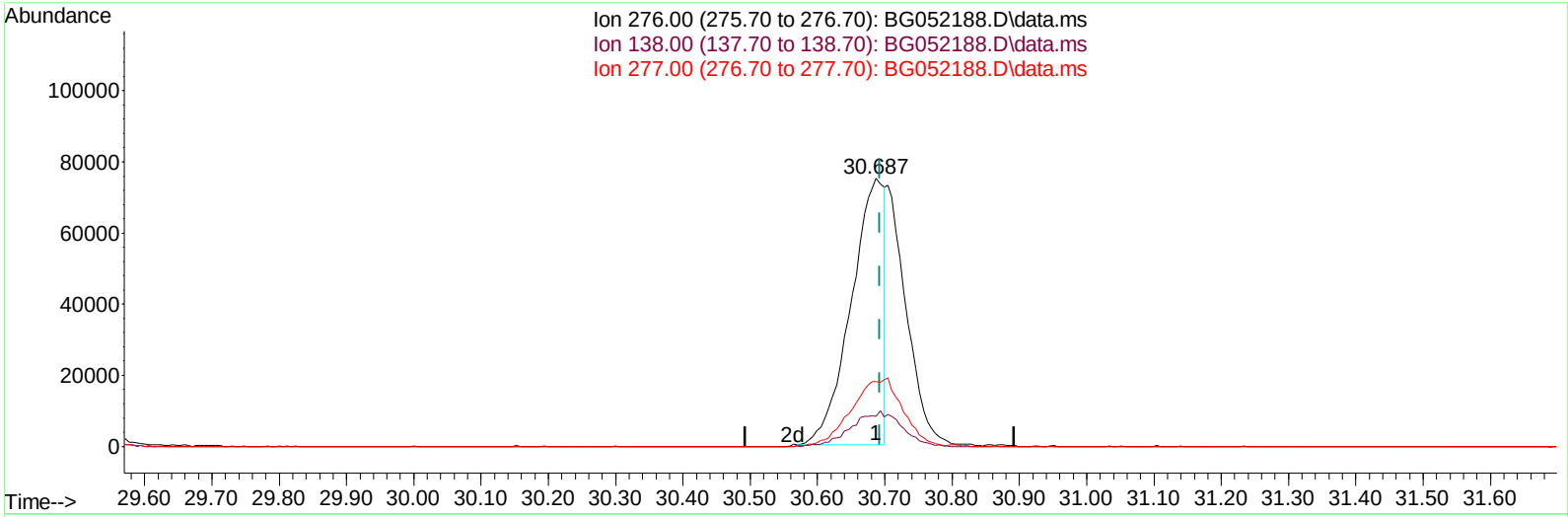


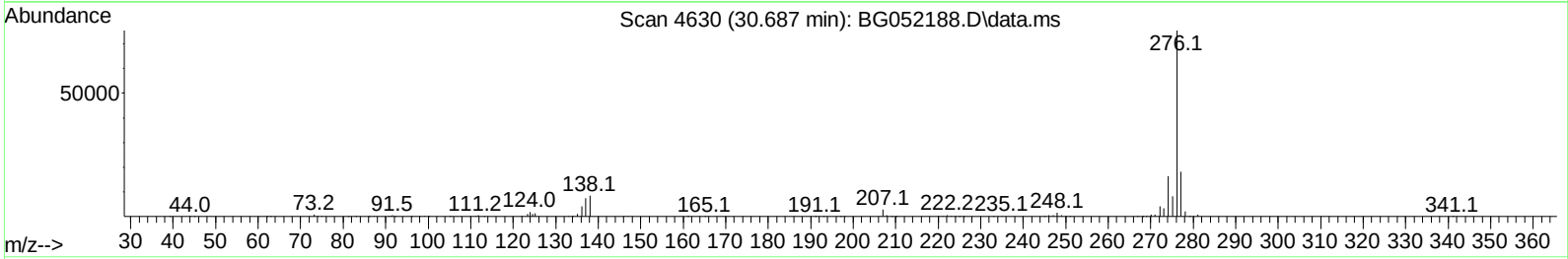


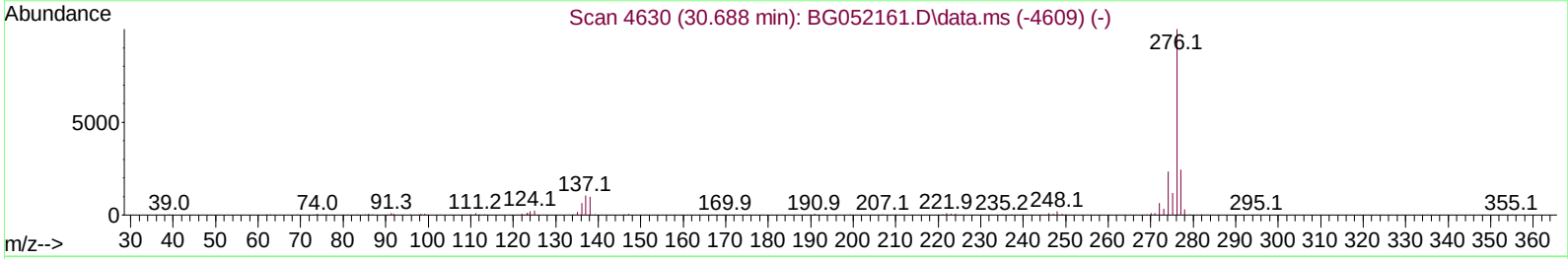


TIC: BG052188.D\data.ms

**(96) Benzo(g,h,i)perylene**

**30.687min (-0.006) 21.04 ng/ul**

**response 255783**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 20.70 | 11.27# |
| 277.00 | 22.00 | 24.16 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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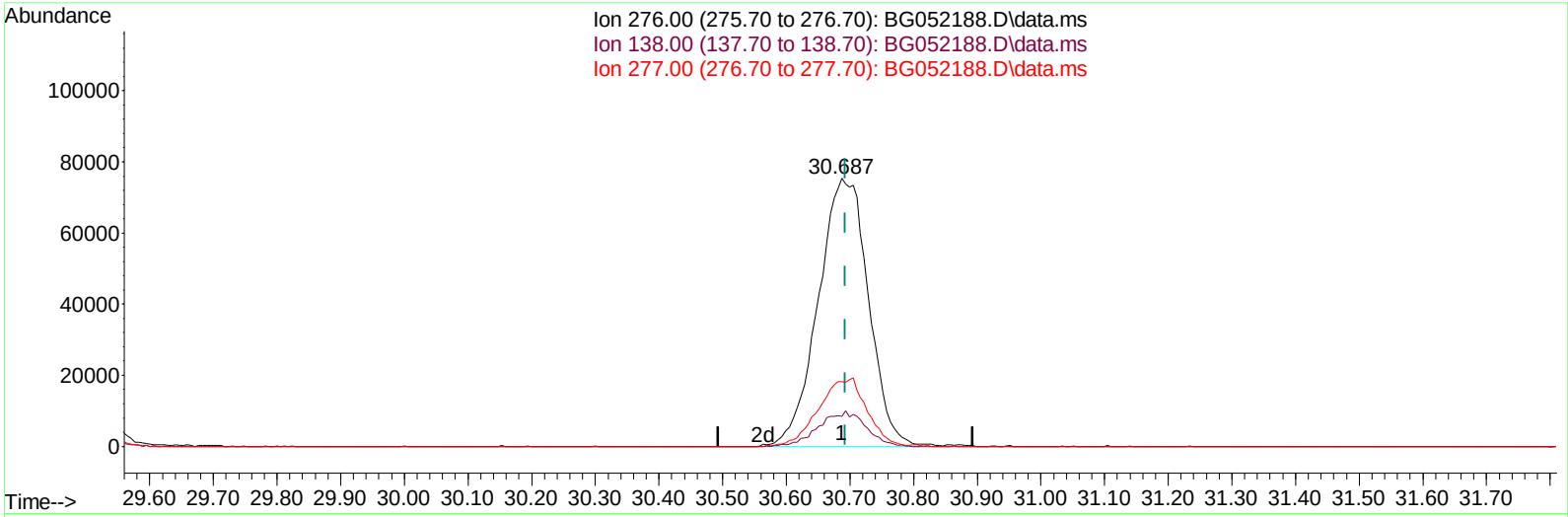
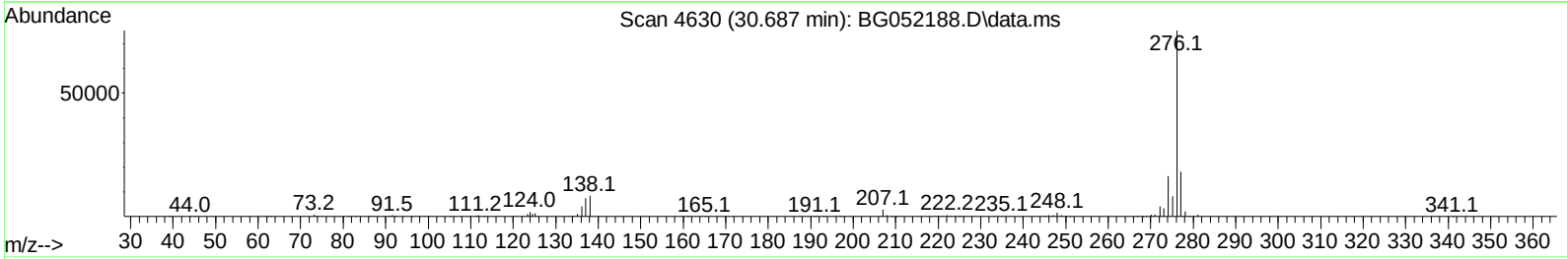
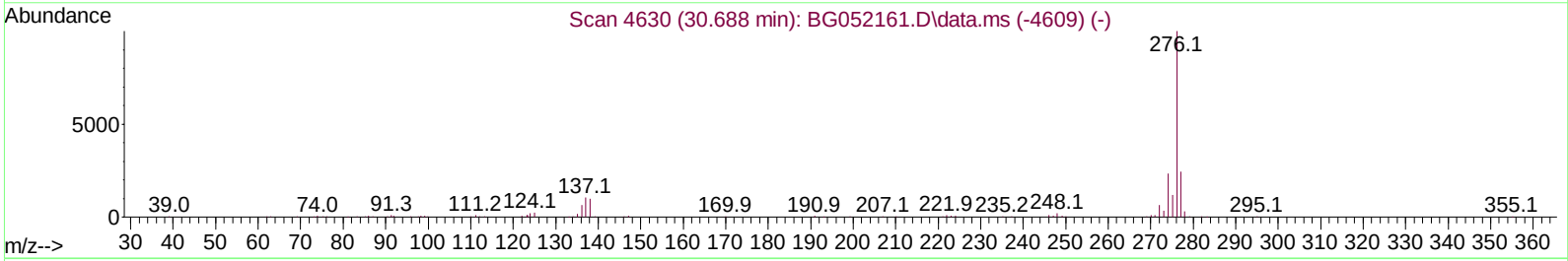
**Instrument :**
BNA_G
**ClientSampleId :**
SLCS296

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 01/28/2022
Supervised By :Yogesh Patel 01/28/2022




TIC: BG052188.D\data.ms

**(96) Benzo(g,h,i)perylene**

**30.687min (-0.006) 33.91 ng/ul m**

**response 412201**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 20.70 | 11.27# |
| 277.00 | 22.00 | 24.16 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

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**Instrument :**
BNA_G
**ClientSampleId :**
SLCS296

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 01/28/2022
Supervised By :Yogesh Patel 01/28/2022

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.241 | 152 | 26941 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 11.078 | 136 | 115479 | 20.000 | ng/ul | # 0.00 |
| 38) Acenaphthene-d10 | 14.879 | 164 | 85041 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.628 | 188 | 202948 | 20.000 | ng/ul | # 0.00 |
| 79) Chrysene-d12 | 21.946 | 240 | 196496 | 20.000 | ng/ul | # 0.00 |
| 88) Perylene-d12 | 25.424 | 264 | 201348 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.565 | 96 | 4047 | 5.368 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.988 | 84 | 59127 | 25.228 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.383 | 99 | 77222 | 29.286 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.542 | 67 | 44887 | 26.816 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.765 | 132 | 54178 | 31.034 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.946 | 113 | 60257 | 29.397 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.410 | 128 | 27723 | 30.382 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 10.144 | 143 | 30981 | 30.699 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.691 | 165 | 64823 | 32.862 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.202 | 131 | 71655 | 26.084 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.274 | 166 | 218434 | 31.075 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.574 | 160 | 262351 | 30.898 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 15.067 | 143 | 34171 | 29.076 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.872 | 176 | 192059 | 31.338 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.984 | 200 | 37383 | 29.199 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.728 | 188 | 314027 | 32.618 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 20.007 | 212 | 382783 | 33.848 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 25.189 | 264 | 362981 | 34.244 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.600 | 88 | 8473 | 9.740 | ng/uL | 90 |
| 5) Pyridine | 4.011 | 79 | 59471 | 24.220 | ng/ul | 90 |
| 6) Benzaldehyde | 7.354 | 77 | 43065 | 24.552 | ng/ul | 95 |
| 8) Phenol | 7.407 | 94 | 75581 | 28.083 | ng/ul | 95 |
| 10) Bis(2-Chloroethyl)ether | 7.636 | 93 | 54613 | 27.721 | ng/ul | 95 |
| 12) 2-Chlorophenol | 7.795 | 128 | 55093 | 31.021 | ng/ul | 94 |
| 13) 2-Methylphenol | 8.676 | 108 | 56928 | 29.088 | ng/ul | 100 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.758 | 45 | 76365 | 25.413 | ng/ul | 100 |
| 16) Acetophenone | 9.063 | 105 | 88161 | 27.252 | ng/ul | 98 |
| 17) N-Nitroso-di-n-propyla... | 9.040 | 70 | 52784 | 26.708 | ng/ul# | 98 |
| 18) 4-Methylphenol | 9.005 | 108 | 60430 | 28.505 | ng/ul | 98 |
| 19) Hexachloroethane | 9.340 | 117 | 21805 | 28.438 | ng/ul# | 73 |
| 22) Nitrobenzene | 9.451 | 77 | 74326 | 26.261 | ng/ul | 96 |
| 23) Isophorone | 9.980 | 82 | 144243 | 26.957 | ng/ul | 97 |
| 25) 2-Nitrophenol | 10.174 | 139 | 32430 | 29.240 | ng/ul | 93 |
| 26) 2,4-Dimethylphenol | 10.227 | 107 | 69261 | 28.780 | ng/ul | 98 |
| 27) Bis(2-Chloroethoxy)met... | 10.456 | 93 | 75394 | 27.366 | ng/ul | 96 |
| 29) 2,4-Dichlorophenol | 10.720 | 162 | 60284 | 31.118 | ng/ul | 97 |
| 30) Naphthalene | 11.125 | 128 | 181493 | 29.004 | ng/ul | 98 |
| 32) 4-Chloroaniline | 11.225 | 127 | 66689 | 23.821 | ng/ul | 96 |
| 33) Hexachlorobutadiene | 11.413 | 225 | 45113 | 29.214 | ng/ul | 97 |
| 34) Caprolactam | 11.971 | 113 | 21929m | 29.084 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.341 | 107 | 69768 | 31.191 | ng/ul | 93 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.723 | 142 | 134036 | 30.071 | ng/ul | 98 |
| 37) 1-Methylnaphthalene | 12.941 | 142 | 137755 | 30.113 | ng/ul | 97 |
| 39) 1,2,4,5-Tetrachloroben... | 13.087 | 216 | 88090 | 29.954 | ng/ul | 97 |
| 40) Hexachlorocyclopentadiene | 13.064 | 237 | 39071 | 19.362 | ng/ul | 98 |
| 41) 2,4,6-Trichlorophenol | 13.322 | 196 | 56970 | 30.650 | ng/ul | 98 |
| 42) 2,4,5-Trichlorophenol | 13.393 | 196 | 61773 | 30.829 | ng/ul | 98 |
| 43) 1,1'-Biphenyl | 13.716 | 154 | 191977 | 29.242 | ng/ul# | 96 |
| 44) 2-Chloronaphthalene | 13.763 | 162 | 144765 | 28.472 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.957 | 65 | 53977 | 27.701 | ng/ul | 93 |
| 47) Dimethylphthalate | 14.315 | 163 | 201806 | 29.116 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 14.444 | 165 | 45111 | 30.868 | ng/ul | 92 |
| 50) Acenaphthylene | 14.603 | 152 | 246120 | 29.436 | ng/ul | 97 |
| 51) 3-Nitroaniline | 14.773 | 138 | 39329 | 29.751 | ng/ul | 99 |
| 52) Acenaphthene | 14.944 | 153 | 164902 | 29.662 | ng/ul | 96 |
| 53) 2,4-Dinitrophenol | 14.979 | 184 | 18722 | 21.729 | ng/ul | 92 |
| 55) 4-Nitrophenol | 15.079 | 109 | 36489 | 27.056 | ng/ul# | 83 |
| 56) Dibenzofuran | 15.279 | 168 | 237246 | 29.384 | ng/ul | 98 |
| 57) 2,4-Dinitrotoluene | 15.226 | 165 | 65733 | 31.111 | ng/ul | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.502 | 232 | 56631 | 30.471 | ng/ul# | 88 |
| 59) Diethylphthalate | 15.678 | 149 | 209630 | 29.315 | ng/ul | 96 |
| 61) Fluorene | 15.925 | 166 | 202572 | 30.108 | ng/ul | 99 |
| 62) 4-Chlorophenyl-phenyle... | 15.913 | 204 | 112511 | 30.134 | ng/ul | 91 |
| 63) 4-Nitroaniline | 15.931 | 138 | 43343 | 31.912 | ng/ul | 89 |
| 66) 4,6-Dinitro-2-methylph... | 15.995 | 198 | 35044 | 28.630 | ng/ul | 99 |
| 67) N-Nitrosodiphenylamine | 16.125 | 169 | 179971 | 33.002 | ng/ul | 95 |
| 68) 4-Bromophenyl-phenylether | 16.806 | 248 | 79364 | 33.404 | ng/ul# | 86 |
| 69) Hexachlorobenzene | 16.941 | 284 | 89546 | 33.983 | ng/ul# | 85 |
| 70) Atrazine | 17.064 | 200 | 75229 | 29.734 | ng/ul | 91 |
| 71) Pentachlorophenol | 17.282 | 266 | 39571 | 26.891 | ng/ul | 94 |
| 72) Phenanthrene | 17.675 | 178 | 336504 | 31.644 | ng/ul | 98 |
| 74) Anthracene | 17.763 | 178 | 334061 | 31.382 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.687 | 216 | 90791 | 29.787 | ng/uL | 94 |
| 76) Pentachlorobenzene | 15.202 | 250 | 96750 | 32.614 | ng/uL | 97 |
| 77) Carbazole | 18.028 | 167 | 301117 | 31.393 | ng/ul | 98 |
| 78) Di-n-butylphthalate | 18.568 | 149 | 357441 | 31.525 | ng/ul | 100 |
| 80) Fluoranthene | 19.673 | 202 | 437738 | 33.495 | ng/ul# | 89 |
| 82) Pyrene | 20.037 | 202 | 420357 | 32.670 | ng/ul# | 89 |
| 83) Butylbenzylphthalate | 20.906 | 149 | 155298 | 34.682 | ng/ul# | 93 |
| 84) 3,3'-Dichlorobenzidine | 21.829 | 252 | 140937 | 31.071 | ng/ul# | 92 |
| 85) Benzo(a)anthracene | 21.928 | 228 | 429297 | 33.221 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.805 | 149 | 220208 | 33.626 | ng/ul# | 98 |
| 87) Chrysene | 21.999 | 228 | 406359 | 32.657 | ng/ul | 98 |
| 89) Di-n-octyl phthalate | 23.103 | 149 | 372624 | 33.502 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 24.313 | 252 | 450859 | 33.788 | ng/ul# | 96 |
| 91) Benzo(k)fluoranthene | 24.384 | 252 | 416461 | 33.756 | ng/ul# | 97 |
| 93) Benzo(a)pyrene | 25.265 | 252 | 426942 | 33.808 | ng/ul# | 95 |
| 94) Indeno(1,2,3-cd)pyrene | 29.430 | 276 | 497595 | 34.422 | ng/ul# | 91 |
| 95) Dibenzo(a,h)anthracene | 29.501 | 278 | 422338 | 34.541 | ng/ul# | 92 |
| 96) Benzo(g,h,i)perylene | 30.687 | 276 | 412201m | 33.913 | ng/ul | |

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

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