Quantitation Report (Qedit)

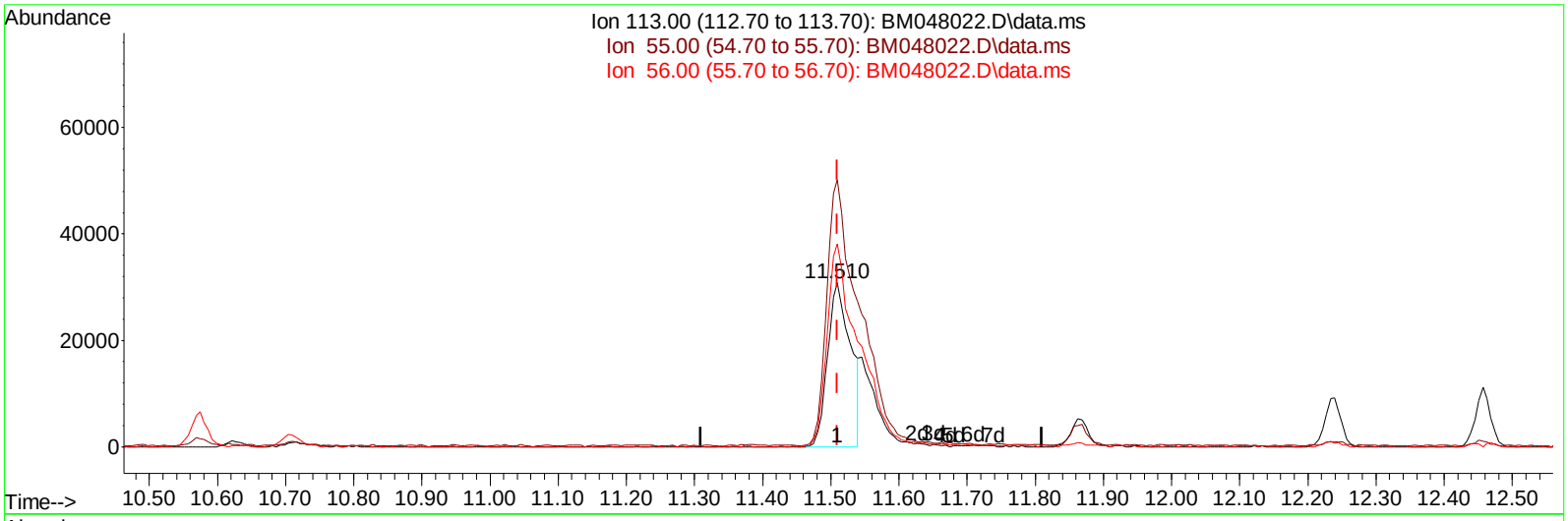
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101124\
Data File : BM048022.D
Acq On : 11 Oct 2024 23:12
Operator : RC/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 14 Sample Multiplier: 1

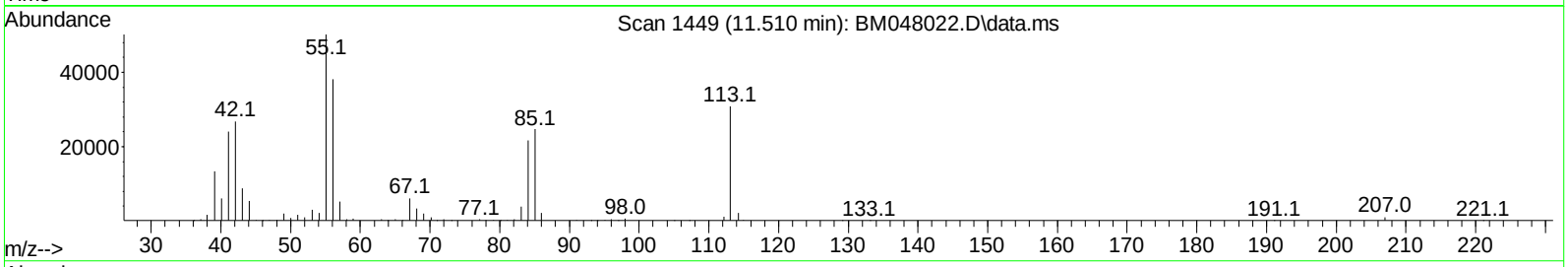
Quant Time: Oct 12 00:37:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM092724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 10 05:10:14 2024
Response via : Initial Calibration

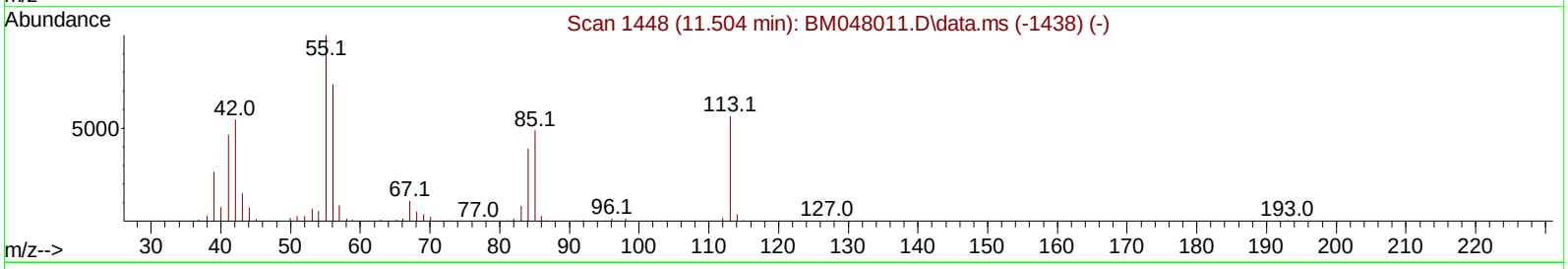
**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC020EC

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024




TIC: BM048022.D\data.ms

**(34) Caprolactam**

**11.510min (+ 0.000) 14.79 ng/ul**

**response 72388**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 209.90 | 162.64# |
| 56.00 | 164.10 | 123.77# |
| 0.00 | 0.00 | 0.00 |

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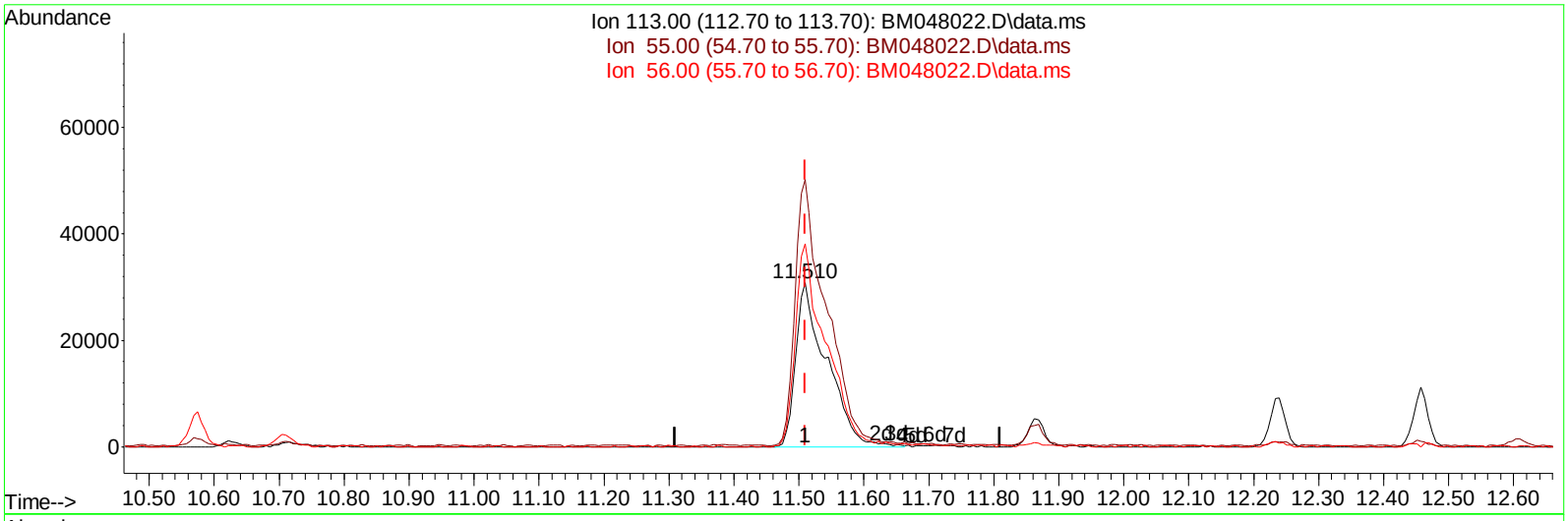


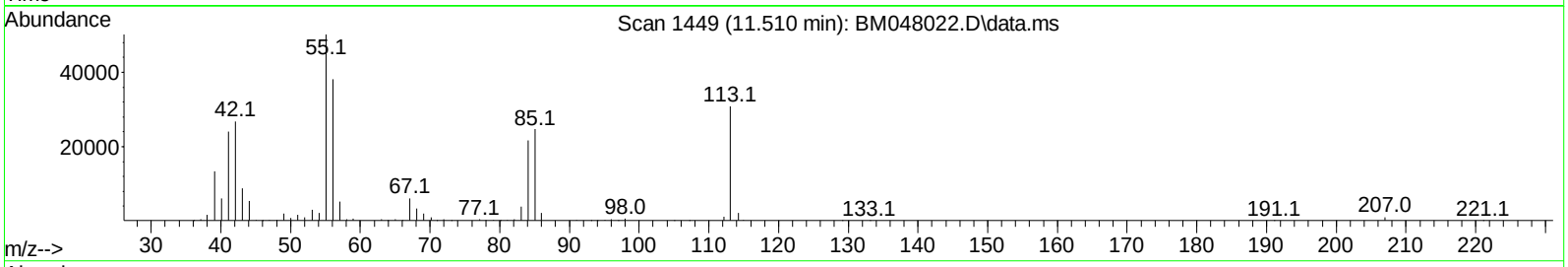


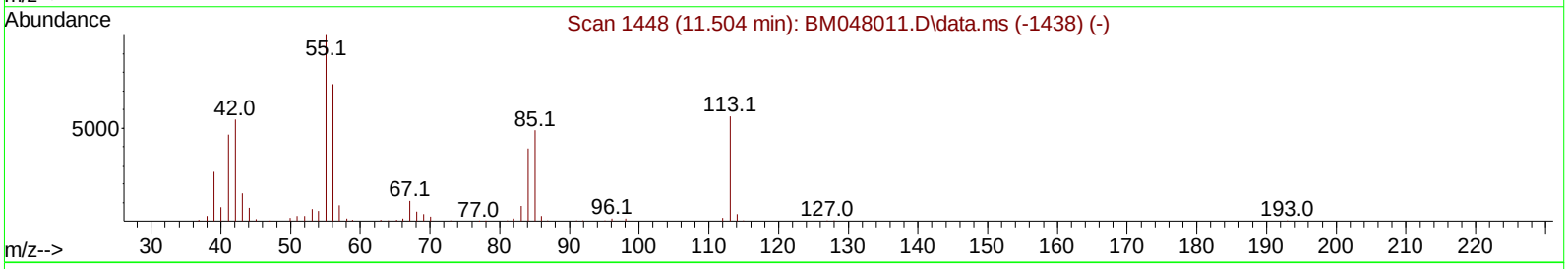


TIC: BM048022.D\data.ms

**(34) Caprolactam**

**11.510min (+ 0.000) 20.74 ng/ul m**

**response 101538**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 209.90 | 162.64# |
| 56.00 | 164.10 | 123.77# |
| 0.00 | 0.00 | 0.00 |

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QLast Update : Thu Oct 10 05:10:14 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC020EC

**Manual IntegrationsAPPROVED**

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.781 | 152 | 237905 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.575 | 136 | 972506 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.421 | 164 | 618250 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.157 | 188 | 1292288 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.380 | 240 | 1216510 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.374 | 264 | 1435418 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.240 | 96 | 45388 | 6.165 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.657 | 84 | 324460 | 15.052 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.957 | 99 | 388061 | 17.250 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.110 | 67 | 228112 | 14.290 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.316 | 132 | 330951 | 20.220 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.492 | 113 | 310023 | 18.536 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.939 | 128 | 160534 | 20.732 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.657 | 143 | 171179 | 23.069 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.198 | 165 | 311435 | 21.010 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.710 | 131 | 426257 | 18.601 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.827 | 166 | 839596 | 18.731 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.110 | 160 | 1020836 | 19.208 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.621 | 143 | 176130 | 19.736 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.410 | 176 | 755051 | 19.448 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.533 | 200 | 125132 | 16.547 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.256 | 188 | 1193581 | 18.784 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.545 | 212 | 1383031 | 20.031 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.168 | 264 | 1411617 | 18.954 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.275 | 88 | 50487 | 6.279 | ng/uL | 88 |
| 5) Pyridine | 3.675 | 79 | 345685 | 15.233 | ng/ul | 88 |
| 6) Benzaldehyde | 6.922 | 77 | 219740 | 17.961 | ng/ul | 91 |
| 8) Phenol | 6.981 | 94 | 398100 | 16.631 | ng/ul | 92 |
| 10) Bis(2-Chloroethyl)ether | 7.204 | 93 | 315395 | 16.536 | ng/ul | 90 |
| 12) 2-Chlorophenol | 7.351 | 128 | 332027 | 19.149 | ng/ul# | 91 |
| 13) 2-Methylphenol | 8.228 | 108 | 302915 | 18.149 | ng/ul | 98 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.310 | 45 | 460566 | 12.827 | ng/ul# | 93 |
| 16) Acetophenone | 8.604 | 105 | 480553 | 16.791 | ng/ul# | 90 |
| 17) N-Nitroso-di-n-propyla... | 8.586 | 70 | 236316 | 15.590 | ng/ul# | 86 |
| 18) 4-Methylphenol | 8.557 | 108 | 327577 | 17.464 | ng/ul | 98 |
| 19) Hexachloroethane | 8.863 | 117 | 135769 | 17.420 | ng/ul# | 82 |
| 22) Nitrobenzene | 8.981 | 77 | 359581 | 16.348 | ng/ul# | 89 |
| 23) Isophorone | 9.510 | 82 | 681919 | 17.331 | ng/ul# | 94 |
| 25) 2-Nitrophenol | 9.692 | 139 | 182069 | 21.448 | ng/ul# | 86 |
| 26) 2,4-Dimethylphenol | 9.757 | 107 | 332880 | 18.301 | ng/ul | 93 |
| 27) Bis(2-Chloroethoxy)met... | 9.986 | 93 | 410652 | 17.063 | ng/ul | 97 |
| 29) 2,4-Dichlorophenol | 10.228 | 162 | 309478 | 20.219 | ng/ul | 96 |
| 30) Naphthalene | 10.622 | 128 | 1049939 | 18.769 | ng/ul | 100 |
| 32) 4-Chloroaniline | 10.733 | 127 | 406789 | 18.028 | ng/ul | 99 |
| 33) Hexachlorobutadiene | 10.910 | 225 | 192519 | 19.037 | ng/ul | 97 |
| 34) Caprolactam | 11.510 | 113 | 101538m | 20.743 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.863 | 107 | 313043 | 19.758 | ng/ul | 95 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.239 | 142 | 683433 | 19.228 | ng/ul | 97 |
| 37) 1-Methylnaphthalene | 12.457 | 142 | 712166 | 19.694 | ng/ul | 99 |
| 39) 1,2,4,5-Tetrachloroben... | 12.610 | 216 | 361601 | 17.967 | ng/ul# | 97 |
| 40) Hexachlorocyclopentadiene | 12.586 | 237 | 188137 | 15.456 | ng/ul | 99 |
| 41) 2,4,6-Trichlorophenol | 12.851 | 196 | 240633 | 20.665 | ng/ul | 99 |
| 42) 2,4,5-Trichlorophenol | 12.927 | 196 | 266228 | 20.908 | ng/ul | 97 |
| 43) 1,1'-Biphenyl | 13.251 | 154 | 884547 | 17.869 | ng/ul# | 97 |
| 44) 2-Chloronaphthalene | 13.292 | 162 | 710468 | 18.558 | ng/ul | 96 |
| 45) 2-Nitroaniline | 13.498 | 65 | 198127 | 16.302 | ng/ul# | 75 |
| 47) Dimethylphthalate | 13.874 | 163 | 848353 | 18.688 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 13.992 | 165 | 172840 | 21.680 | ng/ul# | 82 |
| 50) Acenaphthylene | 14.139 | 152 | 1184618 | 19.765 | ng/ul | 98 |
| 51) 3-Nitroaniline | 14.321 | 138 | 196352 | 20.350 | ng/ul | 88 |
| 52) Acenaphthene | 14.480 | 153 | 769675 | 18.167 | ng/ul | 98 |
| 53) 2,4-Dinitrophenol | 14.533 | 184 | 89586 | 18.186 | ng/ul# | 72 |
| 55) 4-Nitrophenol | 14.639 | 109 | 160889 | 21.472 | ng/ul | 82 |
| 56) Dibenzofuran | 14.815 | 168 | 1057374 | 18.541 | ng/ul | 95 |
| 57) 2,4-Dinitrotoluene | 14.780 | 165 | 256913 | 21.456 | ng/ul# | 79 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.045 | 232 | 223639 | 22.281 | ng/ul# | 97 |
| 59) Diethylphthalate | 15.239 | 149 | 849086 | 18.694 | ng/ul | 98 |
| 61) Fluorene | 15.468 | 166 | 864589 | 18.171 | ng/ul | 99 |
| 62) 4-Chlorophenyl-phenyle... | 15.457 | 204 | 418190 | 18.600 | ng/ul | 95 |
| 63) 4-Nitroaniline | 15.480 | 138 | 211807 | 22.603 | ng/ul | 92 |
| 66) 4,6-Dinitro-2-methylph... | 15.545 | 198 | 132994 | 15.871 | ng/ul# | 86 |
| 67) N-Nitrosodiphenylamine | 15.674 | 169 | 723664 | 17.971 | ng/ul | 98 |
| 68) 4-Bromophenyl-phenylether | 16.351 | 248 | 256063 | 19.223 | ng/ul | 95 |
| 69) Hexachlorobenzene | 16.468 | 284 | 310616 | 20.038 | ng/ul | 92 |
| 70) Atrazine | 16.621 | 200 | 264190 | 19.708 | ng/ul | 98 |
| 71) Pentachlorophenol | 16.809 | 266 | 229658 | 23.299 | ng/ul | 99 |
| 72) Phenanthrene | 17.198 | 178 | 1385019 | 18.276 | ng/ul | 99 |
| 74) Anthracene | 17.292 | 178 | 1427998 | 18.475 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.216 | 216 | 358466 | 16.753 | ng/uL | 99 |
| 76) Pentachlorobenzene | 14.739 | 250 | 361615 | 17.314 | ng/uL | 99 |
| 77) Carbazole | 17.556 | 167 | 1301666 | 18.579 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.121 | 149 | 1507179 | 19.323 | ng/ul | 98 |
| 80) Fluoranthene | 19.209 | 202 | 1635579 | 20.114 | ng/ul | 100 |
| 82) Pyrene | 19.574 | 202 | 1717824 | 18.981 | ng/ul | 96 |
| 83) Butylbenzylphthalate | 20.468 | 149 | 713443 | 22.298 | ng/ul | 84 |
| 84) 3,3'-Dichlorobenzidine | 21.286 | 252 | 503075 | 19.571 | ng/ul | 98 |
| 85) Benzo(a)anthracene | 21.362 | 228 | 1702492 | 19.988 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.286 | 149 | 999692 | 20.810 | ng/ul | 97 |
| 87) Chrysene | 21.427 | 228 | 1563724 | 18.832 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.409 | 149 | 1792253 | 19.358 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.427 | 252 | 1708413 | 19.085 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.485 | 252 | 1692207 | 18.488 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 24.233 | 252 | 1620439 | 19.061 | ng/ul | 98 |
| 94) Indeno(1,2,3-cd)pyrene | 27.744 | 276 | 2034948 | 18.678 | ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 27.791 | 278 | 1695046 | 18.985 | ng/ul | 97 |
| 96) Benzo(g,h,i)perylene | 28.797 | 276 | 1663107 | 19.483 | ng/ul | 98 |

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

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