Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN100720\
Data File : BN012100.D
Acq On : 07 Oct 2020 17:15
Operator : CG/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 07 17:50:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 07 13:26:33 2020
Response via : Initial Calibration

**Instrument :**
BNA_N
**LabSampleId :**
SSTD02065

**Manual Integrations APPROVED**
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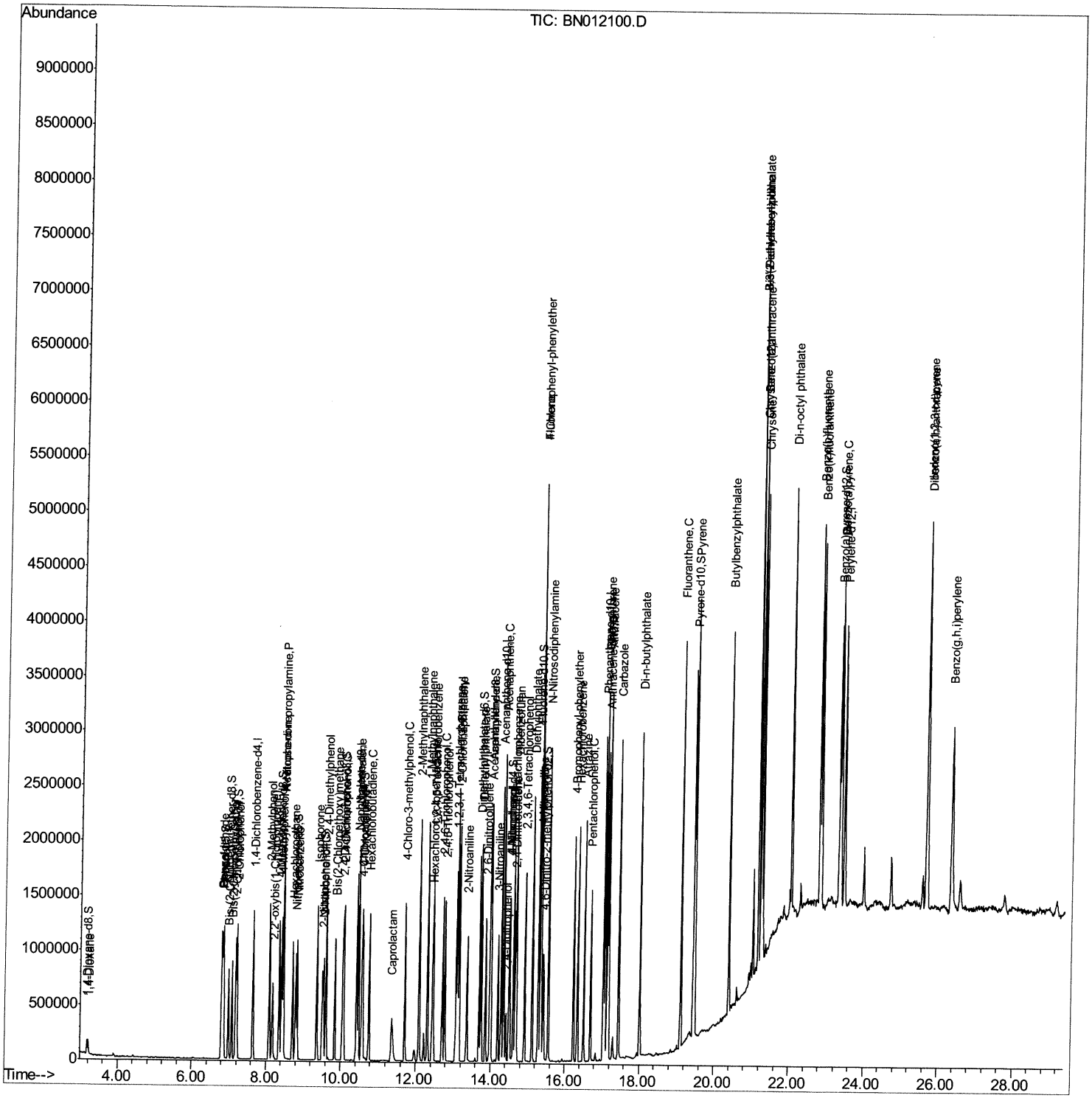

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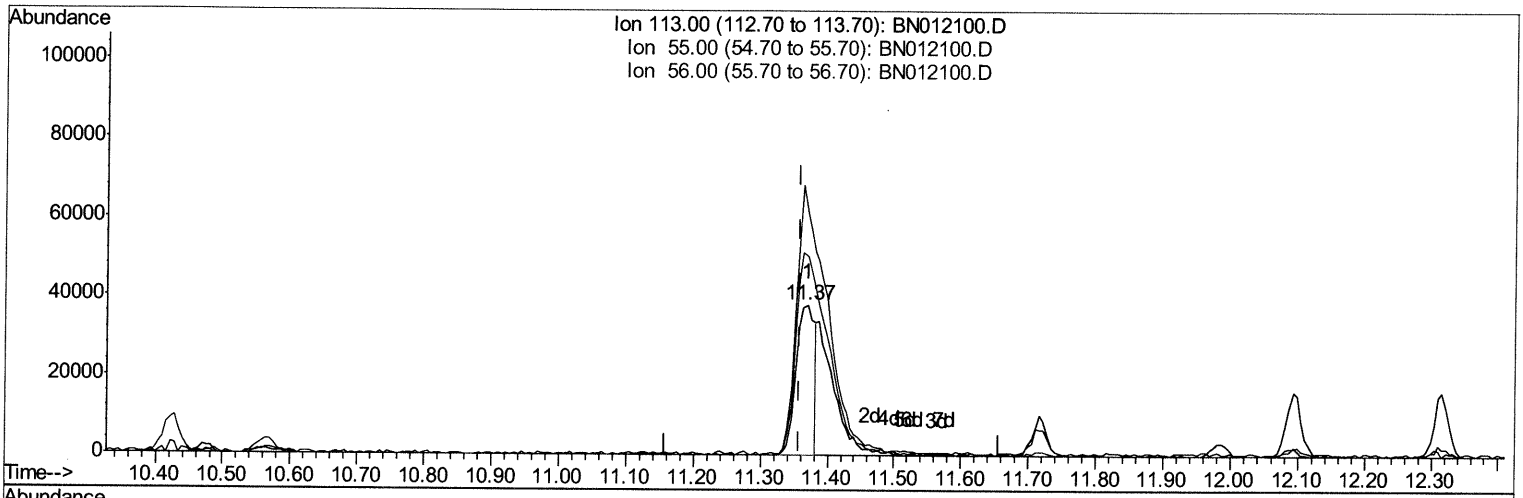


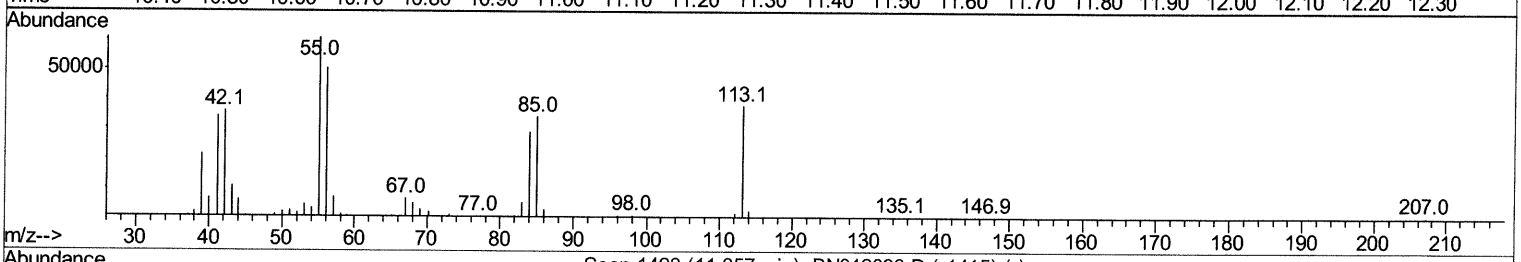


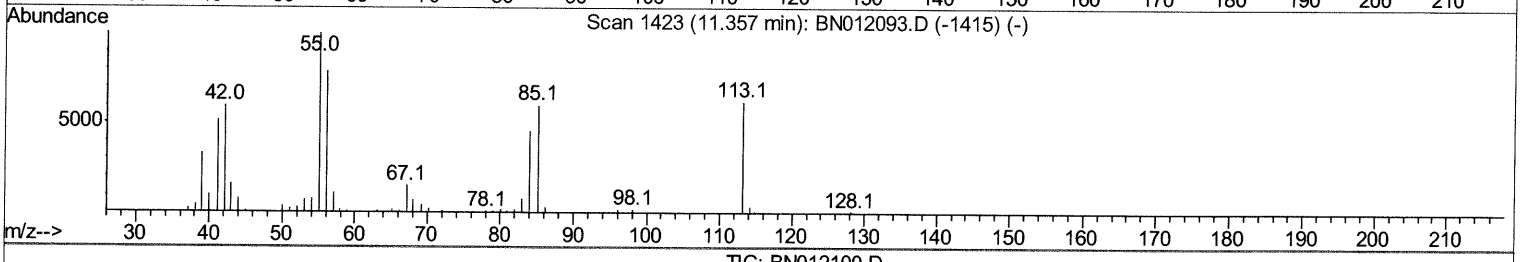


TIC: BN012100.D

(32) Caprolactam

11.369min (+0.012) 11.85ng/ul

response 73647

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 157.00 | 160.46 |
| 56.00 | 122.90 | 132.89 |
| 0.00 | 0.00 | 0.00 |

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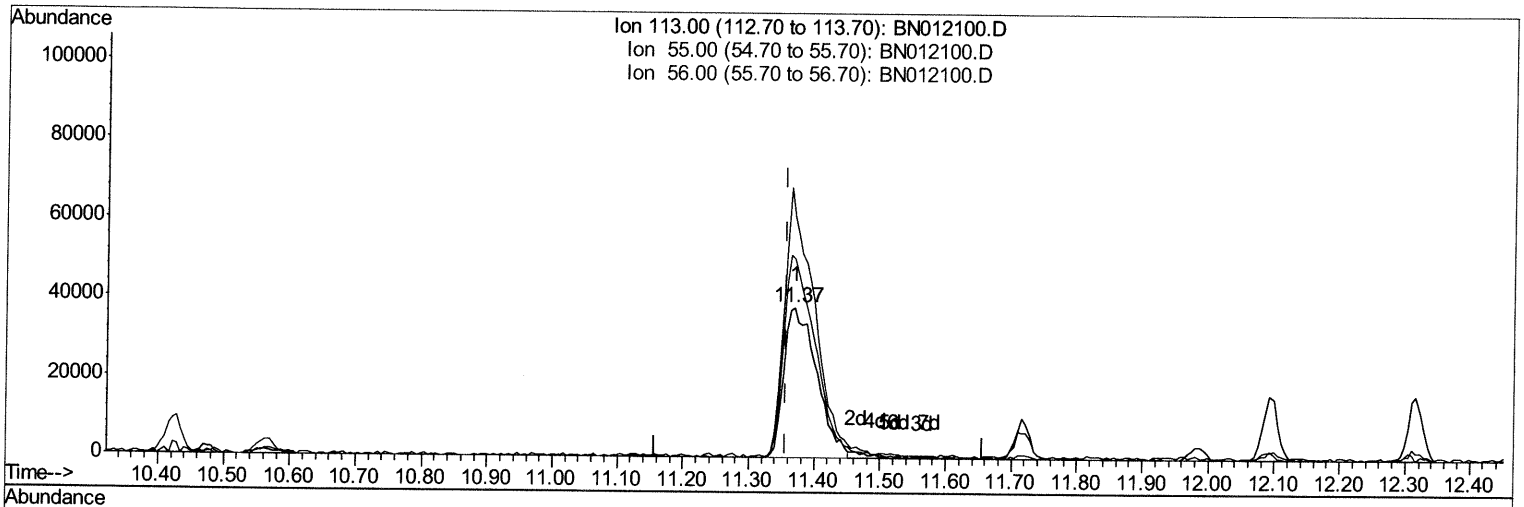


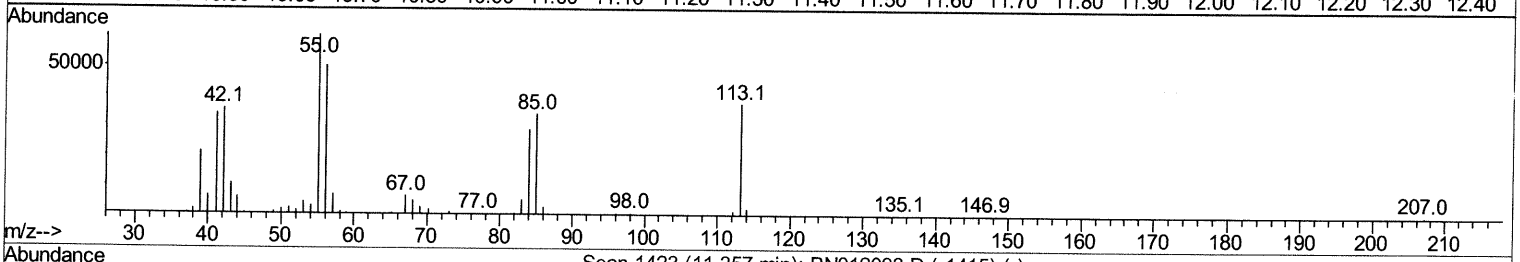


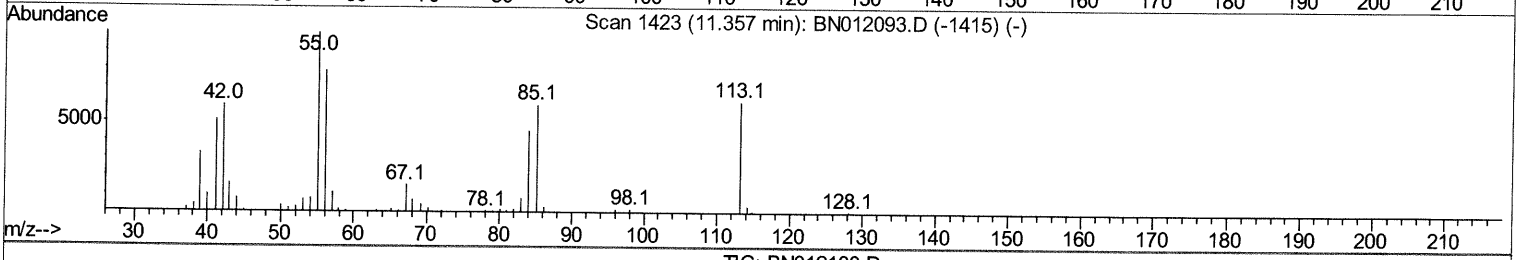


TIC: BN012100.D

(32) Caprolactam

11.369min (+0.012) 21.23ng/ul m 10/17/20 JU

response 131901

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 157.00 | 160.46 |
| 56.00 | 122.90 | 132.89 |
| 0.00 | 0.00 | 0.00 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.65 | 152 | 341679 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.43 | 136 | 1351294 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.29 | 164 | 767027 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.05 | 188 | 1655130 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.25 | 240 | 1532517 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.46 | 264 | 1727057 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.19 | 96 | 64680 | 8.24 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.82 | 99 | 564817 | 19.81 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.99 | 67 | 340237 | 19.42 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.18 | 132 | 462998 | 20.08 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.35 | 113 | 438294 | 19.53 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.80 | 128 | 217239 | 20.25 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.51 | 143 | 243016 | 20.94 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.05 | 165 | 430499 | 19.35 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.56 | 131 | 559948 | 21.34 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.70 | 166 | 1137494 | 18.91 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.98 | 160 | 1449105 | 20.18 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.50 | 143 | 224554 | 20.27 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.29 | 176 | 991706 | 18.89 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.42 | 200 | 126289 | 11.95 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.14 | 188 | 1514247 | 18.87 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.45 | 212 | 1579738 | 19.60 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.32 | 264 | 1701856 | 17.56 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.22 | 88 | 66621 | 6.757 | ng/uL | 92 |
| 4) Benzaldehyde | 6.80 | 77 | 373634 | 22.761 | ng/ul | 100 |
| 6) Phenol | 6.85 | 94 | 601035 | 20.263 | ng/ul | 92 |
| 8) Bis(2-Chloroethyl)ether | 7.08 | 93 | 475917 | 19.748 | ng/ul | 95 |
| 10) 2-Chlorophenol | 7.22 | 128 | 487823 | 20.453 | ng/ul | 96 |
| 11) 2-Methylphenol | 8.09 | 108 | 445852 | 20.236 | ng/ul | 97 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.18 | 45 | 611483 | 19.675 | ng/ul | 98 |
| 14) Acetophenone | 8.46 | 105 | 714361 | 19.968 | ng/ul | 95 |
| 15) N-Nitroso-di-n-propylamine | 8.45 | 70 | 373887 | 20.826 | ng/ul | 93 |
| 16) 4-Methylphenol | 8.42 | 108 | 470189 | 19.902 | ng/ul | 86 |
| 17) Hexachloroethane | 8.72 | 117 | 205004 | 18.892 | ng/ul | 94 |
| 20) Nitrobenzene | 8.84 | 77 | 568576 | 19.171 | ng/ul | 99 |
| 21) Isophorone | 9.36 | 82 | 963618 | 19.384 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.55 | 139 | 263466 | 20.526 | ng/ul | 90 |
| 24) 2,4-Dimethylphenol | 9.61 | 107 | 526029 | 18.886 | ng/ul | 91 |
| 25) Bis(2-Chloroethoxy)methane | 9.85 | 93 | 595669 | 19.095 | ng/ul | 98 |
| 27) 2,4-Dichlorophenol | 10.07 | 162 | 439363 | 19.496 | ng/ul | 100 |
| 28) Naphthalene | 10.47 | 128 | 1460733 | 18.887 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.59 | 127 | 562151 | 21.275 | ng/ul | 96 |
| 31) Hexachlorobutadiene | 10.76 | 225 | 265340 | 17.390 | ng/ul | 95 |
| 32) Caprolactam | 11.37 | 113 | 131901m> | 21.226 | ng/ul > | 10/17/20 JJ |
| 33) 4-Chloro-3-methylphenol | 11.72 | 107 | 477696 | 19.505 | ng/ul | 96 |
| 34) 2-Methylnaphthalene | 12.09 | 142 | 1003761 | 18.885 | ng/ul | 96 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.32 | 142 | 942462 | 17.943 | ng/uL | 99 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.47 | 216 | 482453 | 19.417 | ng/ul | 97 |
| 38) Hexachlorocyclopentadiene | 12.45 | 237 | 237109 | 13.496 | ng/ul | 93 |
| 39) 2,4,6-Trichlorophenol | 12.72 | 196 | 336004 | 21.568 | ng/ul | 87 |
| 40) 2,4,5-Trichlorophenol | 12.79 | 196 | 357202 | 21.255 | ng/ul | 96 |
| 41) 1,1'-Biphenyl | 13.12 | 154 | 1253564 | 19.730 | ng/ul | 97 |
| 42) 2-Chloronaphthalene | 13.16 | 162 | 999589 | 19.755 | ng/ul | 99 |
| 43) 2-Nitroaniline | 13.37 | 65 | 311863 | 21.507 | ng/ul | 94 |
| 45) Dimethylphthalate | 13.76 | 163 | 1208010 | 19.484 | ng/ul | 100 |
| 46) 2,6-Dinitrotoluene | 13.87 | 165 | 251484 | 20.781 | ng/ul | 93 |
| 48) Acenaphthylene | 14.01 | 152 | 1526857 | 20.234 | ng/ul | 97 |
| 49) 3-Nitroaniline | 14.20 | 138 | 262003 | 23.728 | ng/ul | 91 |
| 50) Acenaphthene | 14.36 | 153 | 1045576 | 19.279 | ng/ul | 99 |
| 51) 2,4-Dinitrophenol | 14.41 | 184 | 86109 | 11.671 | ng/ul | 87 |
| 53) 4-Nitrophenol | 14.52 | 109 | 188070 | 18.218 | ng/ul | 91 |
| 54) Dibenzofuran | 14.69 | 168 | 1435706 | 19.403 | ng/ul | 99 |
| 55) 2,4-Dinitrotoluene | 14.66 | 165 | 353260 | 20.109 | ng/ul# | 96 |
| 56) 2,3,4,6-Tetrachlorophenol | 14.92 | 232 | 285680 | 20.366 | ng/ul | 95 |
| 57) Diethylphthalate | 15.13 | 149 | 1220980 | 19.135 | ng/ul | 98 |
| 59) Fluorene | 15.35 | 166 | 1167827 | 18.827 | ng/ul | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.35 | 204 | 551023 | 18.200 | ng/ul | 97 |
| 61) 4-Nitroaniline | 15.37 | 138 | 281937 | 23.630 | ng/ul# | 84 |
| 64) 4,6-Dinitro-2-methylphenol | 15.43 | 198 | 133301 | 11.602 | ng/ul | 98 |
| 65) N-Nitrosodiphenylamine | 15.56 | 169 | 1020459 | 19.332 | ng/ul | 98 |
| 66) 4-Bromophenyl-phenylether | 16.24 | 248 | 337028 | 17.804 | ng/ul | 97 |
| 67) Hexachlorobenzene | 16.35 | 284 | 404473 | 18.312 | ng/ul | 95 |
| 68) Atrazine | 16.52 | 200 | 346226 | 17.926 | ng/ul | 95 |
| 69) Pentachlorophenol | 16.70 | 266 | 257826 | 19.688 | ng/ul | 96 |
| 70) Phenanthrene | 17.09 | 178 | 1843537 | 18.283 | ng/ul | 98 |
| 72) Anthracene | 17.17 | 178 | 1867413 | 18.341 | ng/ul | 99 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.08 | 216 | 480993 | 19.991 | ng/uL | 97 |
| 74) Pentachlorobenzene | 14.62 | 250 | 462847 | 18.754 | ng/uL | 99 |
| 75) Carbazole | 17.45 | 167 | 1742610 | 19.711 | ng/ul | 97 |
| 76) Di-n-butylphthalate | 18.02 | 149 | 2111700 | 18.810 | ng/ul | 99 |
| 77) Fluoranthene | 19.11 | 202 | 1994300 | 17.609 | ng/ul# | 96 |
| 80) Pyrene | 19.47 | 202 | 2162644 | 19.564 | ng/ul | 99 |
| 81) Butylbenzylphthalate | 20.39 | 149 | 959259 | 21.108 | ng/ul | 94 |
| 82) 3,3'-Dichlorobenzidine | 21.17 | 252 | 749899 | 21.033 | ng/ul | 94 |
| 83) Benzo(a)anthracene | 21.23 | 228 | 1933697 | 18.730 | ng/ul | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.17 | 149 | 1359998 | 19.499 | ng/ul | 98 |
| 85) Chrysene | 21.29 | 228 | 1856328 | 18.289 | ng/ul | 100 |
| 87) Di-n-octyl phthalate | 22.04 | 149 | 2462953 | 19.201 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 22.80 | 252 | 2057642 | 17.007 | ng/ul | 96 |
| 89) Benzo(k)fluoranthene | 22.84 | 252 | 2024133 | 16.984 | ng/ul | 99 |
| 91) Benzo(a)pyrene | 23.37 | 252 | 1836706 | 16.735 | ng/ul | 95 |
| 92) Indeno(1,2,3-cd)pyrene | 25.67 | 276 | 2446556 | 17.458 | ng/ul | 99 |
| 93) Dibenzo(a,h)anthracene | 25.69 | 278 | 2053218 | 17.784 | ng/ul | 99 |
| 94) Benzo(g,h,i)perylene | 26.36 | 276 | 2004680 | 16.797 | ng/ul | 98 |

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|---|---|---|---|---|---|---|

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