Quantitation Report (Qedit)

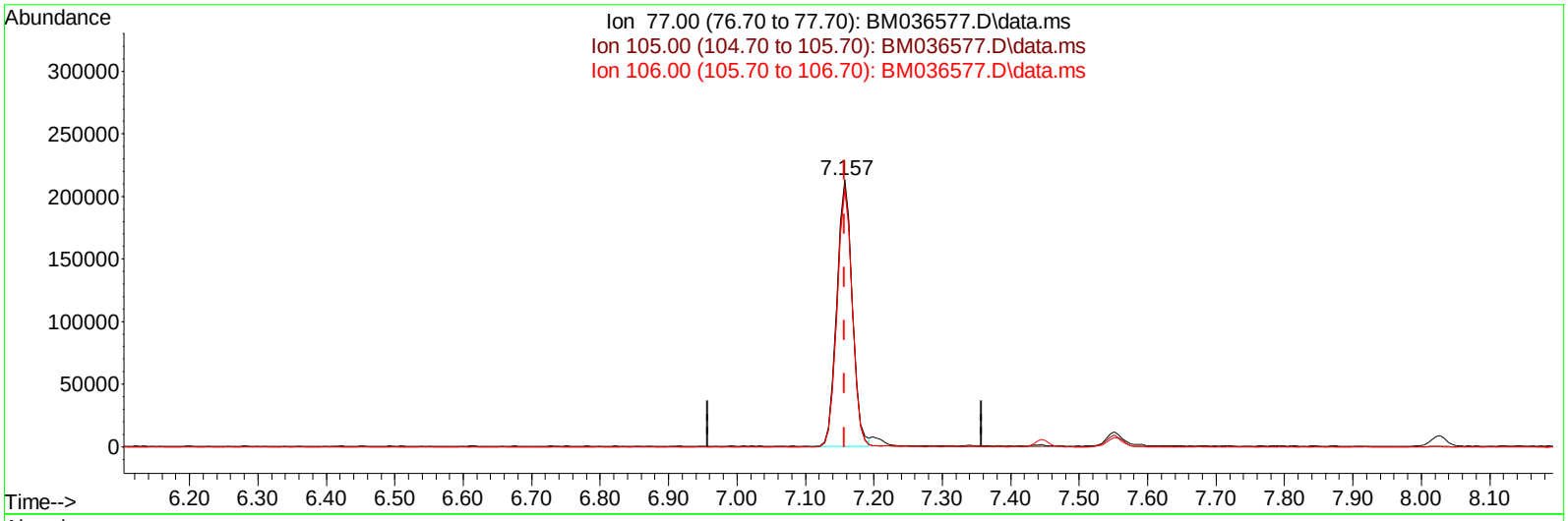
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091922\
Data File : BM036577.D
Acq On : 19 Sep 2022 13:17
Operator : CG/JU
Sample : PB147637BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

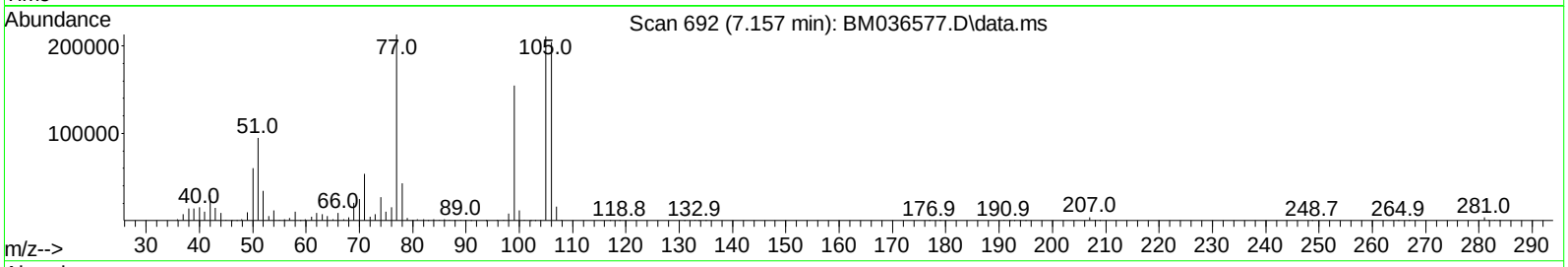
Quant Time: Sep 19 22:29:54 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM091522.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 16 02:39:54 2022
Response via : Initial Calibration

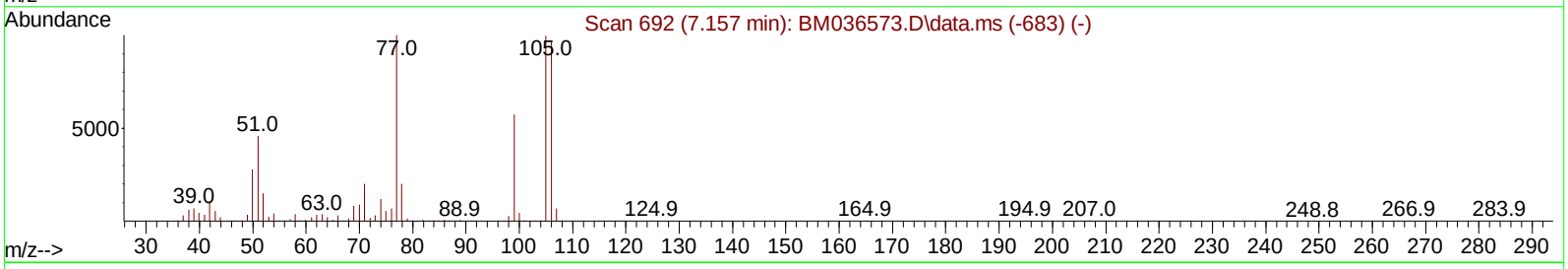
**Instrument :**
BNA_M
**ClientSampleId :**
SLCS637

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2022
Supervised By :mohammad ahmed 09/21/2022




TIC: BM036577.D\data.ms

**(6) Benzaldehyde**

**7.157min (-0.000) 22.11 ng/ul**

**response 334447**

| Ion | Exp% | Act% |
|---|---|---|
| 77.00 | 100.00 | 100.00 |
| 105.00 | 93.90 | 98.95 |
| 106.00 | 91.30 | 96.01 |
| 0.00 | 0.00 | 0.00 |

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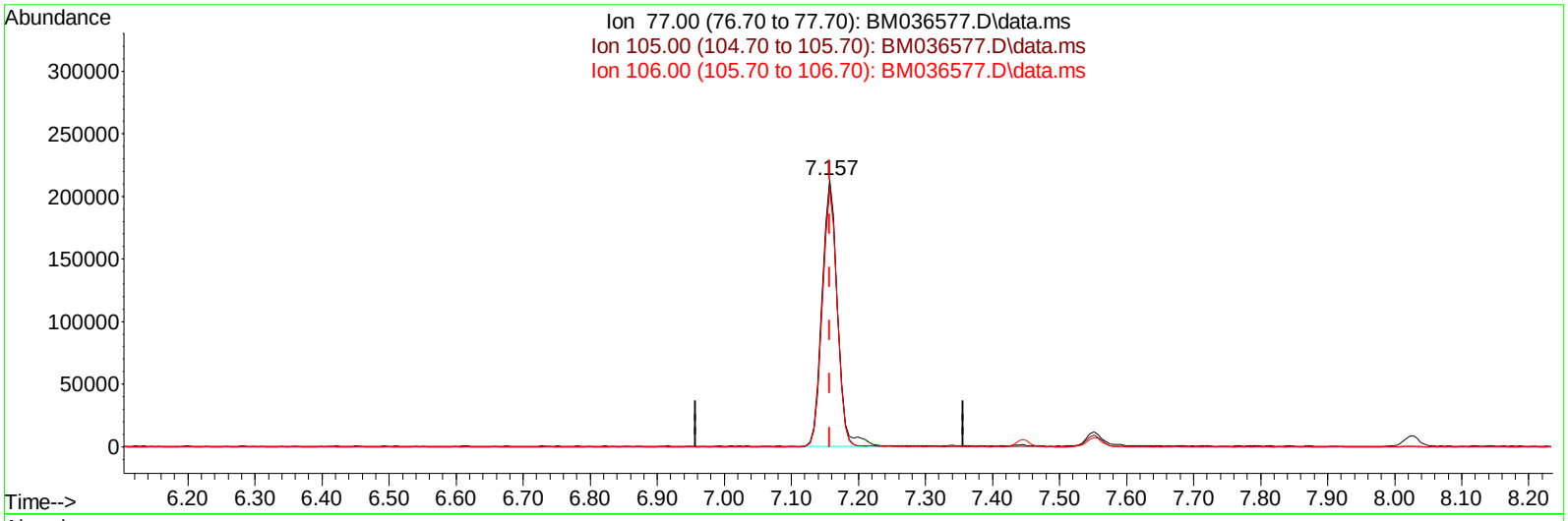


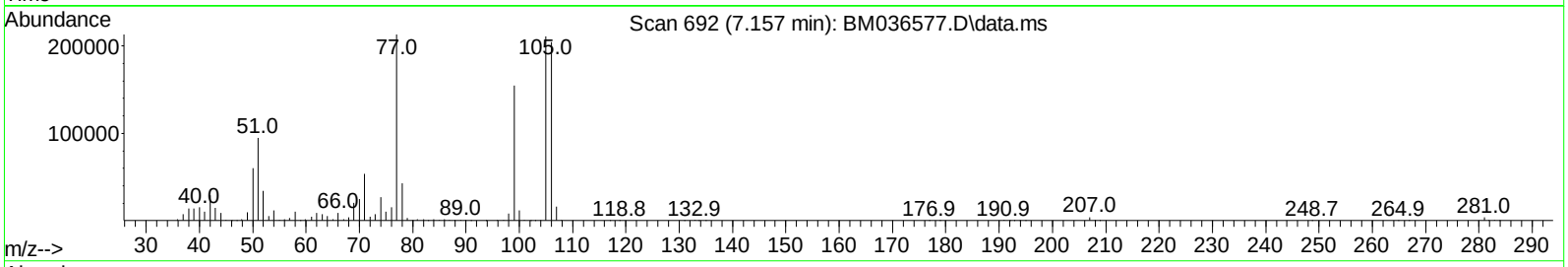


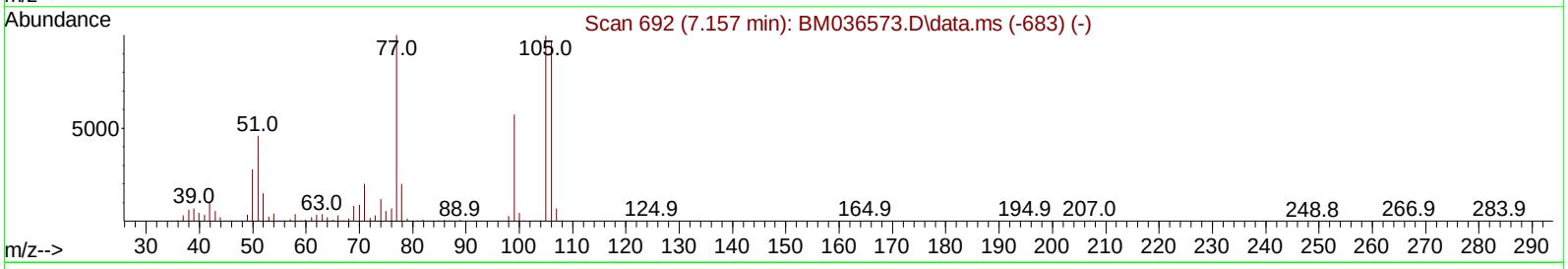


TIC: BM036577.D\data.ms

**(6) Benzaldehyde**

**7.157min (-0.000) 22.75 ng/ul m**

**response 343985**

| Ion | Exp% | Act% |
|---|---|---|
| 77.00 | 100.00 | 100.00 |
| 105.00 | 93.90 | 98.95 |
| 106.00 | 91.30 | 96.01 |
| 0.00 | 0.00 | 0.00 |

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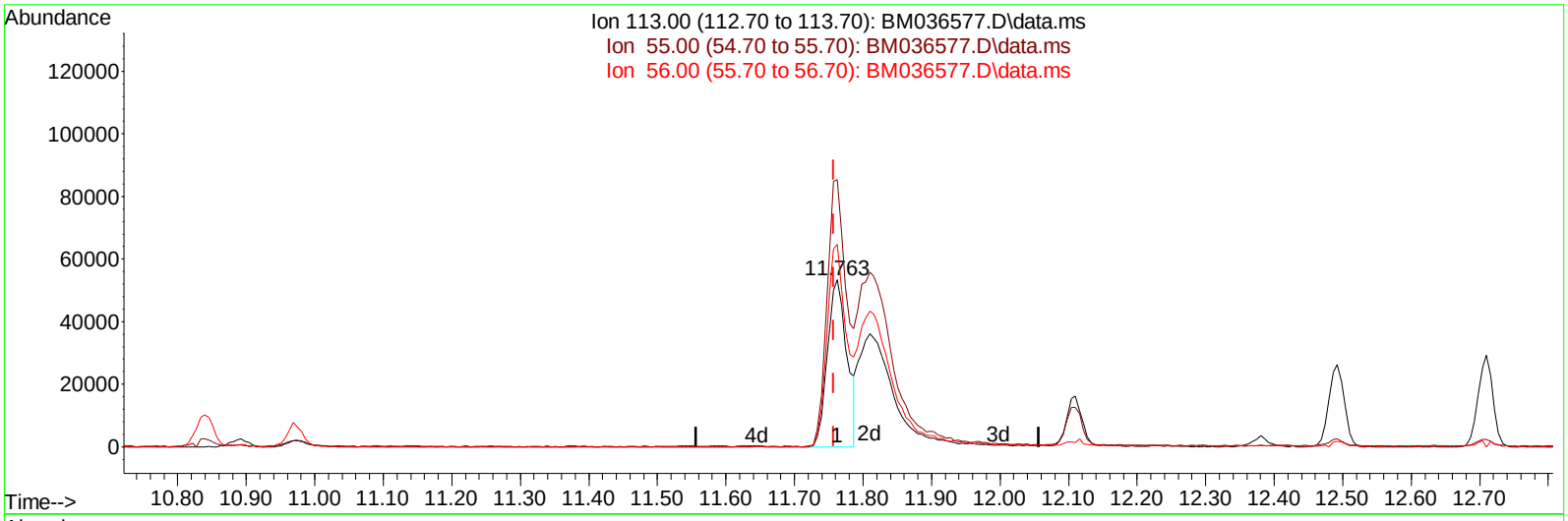


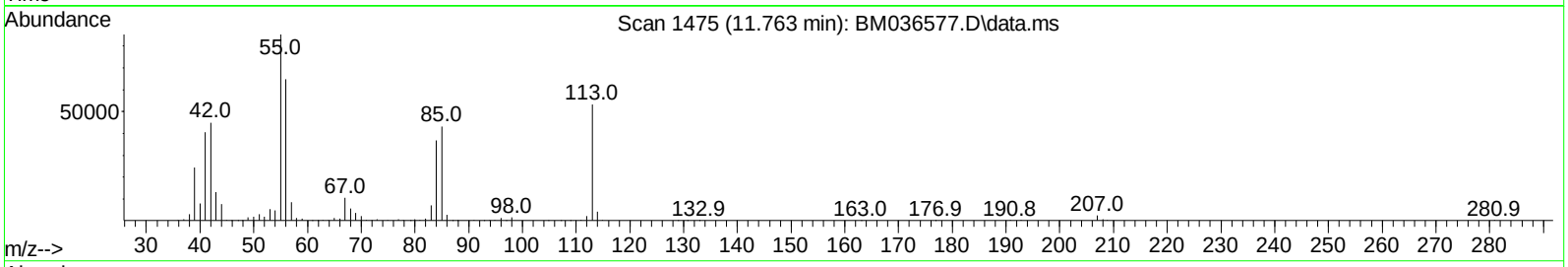


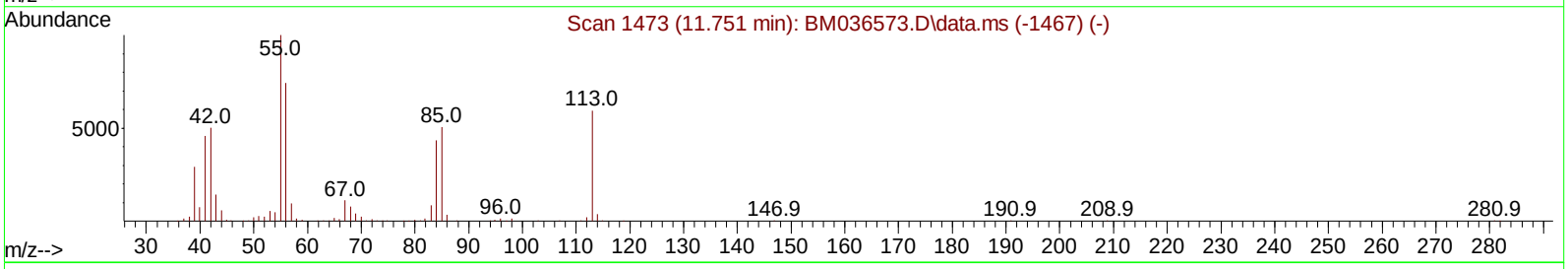


TIC: BM036577.D\data.ms

**(34) Caprolactam**

**11.763min (+ 0.006) 13.83 ng/ul**

**response 106030**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 159.40 | 160.02 |
| 56.00 | 118.30 | 121.43 |
| 0.00 | 0.00 | 0.00 |

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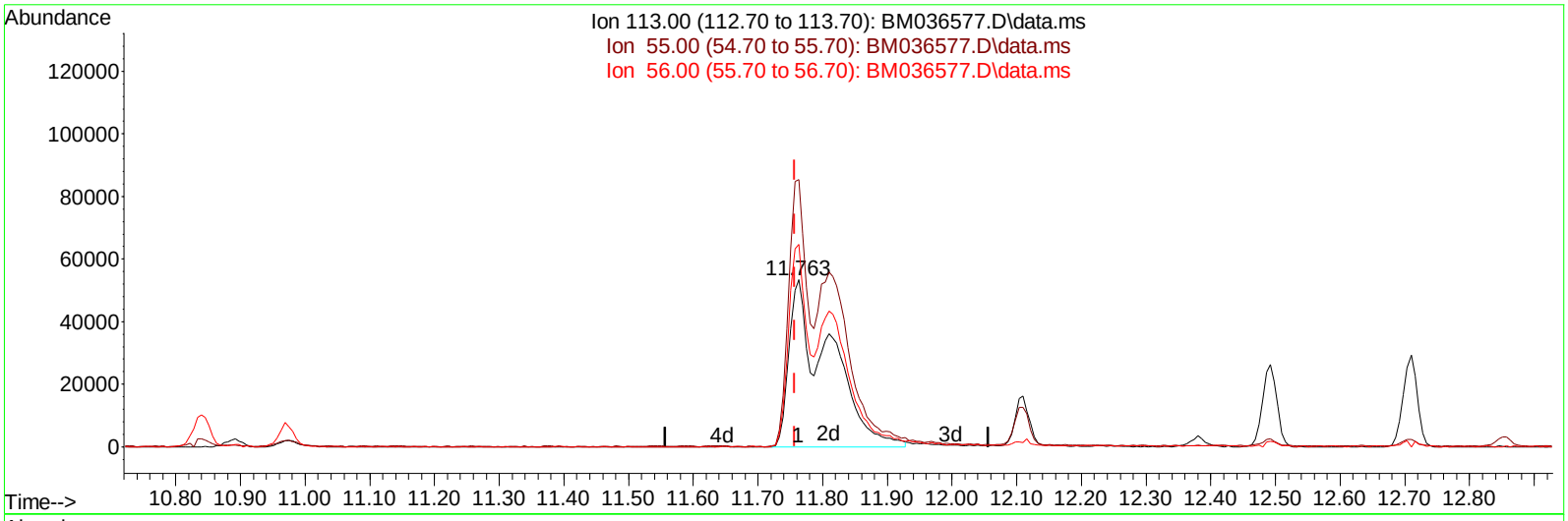


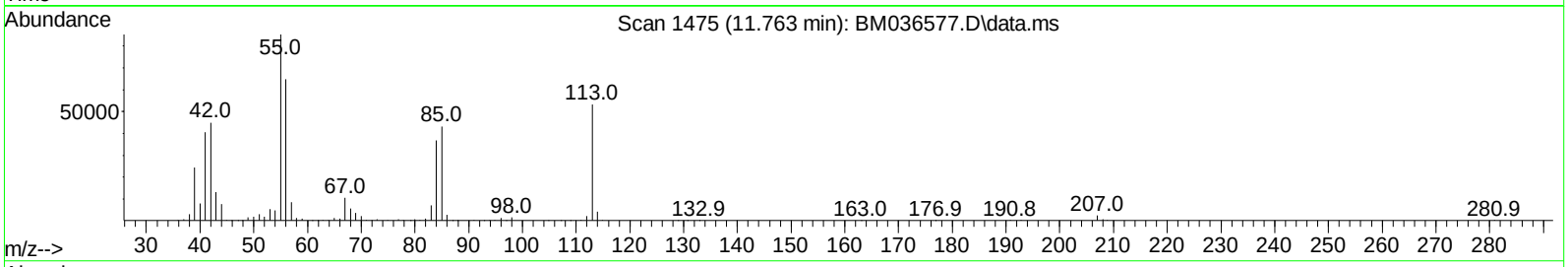


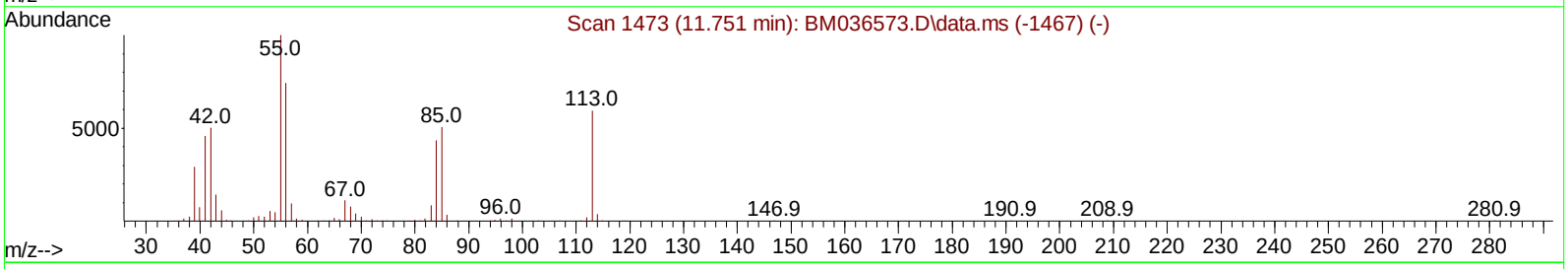


TIC: BM036577.D\data.ms

**(34) Caprolactam**

**11.763min (+ 0.006) 29.99 ng/ul m**

**response 229943**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 159.40 | 160.02 |
| 56.00 | 118.30 | 121.43 |
| 0.00 | 0.00 | 0.00 |

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**Instrument :**
BNA_M
**ClientSampleId :**
SLCS637

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2022
Supervised By :mohammad ahmed 09/21/2022

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.028 | 152 | 349479 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.839 | 136 | 1600123 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.651 | 164 | 1036444 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.386 | 188 | 2099770 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.550 | 240 | 2011858 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.997 | 264 | 1747468 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.393 | 96 | 48938 | 5.249 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.816 | 84 | 695829 | 25.593 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.175 | 99 | 961817 | 30.797 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.351 | 67 | 589059 | 31.058 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.551 | 132 | 721337 | 32.081 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.733 | 113 | 755689 | 32.747 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.192 | 128 | 355313 | 32.807 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.916 | 143 | 335456 | 34.579 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.451 | 165 | 715491 | 31.825 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.975 | 131 | 985454 | 26.364 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.063 | 166 | 2220394 | 31.764 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.345 | 160 | 2547051 | 30.718 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.833 | 143 | 442854 | 32.663 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.639 | 176 | 1950414 | 31.135 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.751 | 200 | 300293 | 36.147 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.486 | 188 | 3057031 | 31.842 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.768 | 212 | 3466300 | 35.022 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.838 | 264 | 2906178 | 34.041 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.428 | 88 | 102417 | 10.198 | ng/uL | 99 |
| 5) Pyridine | 3.834 | 79 | 673497 | 24.656 | ng/ul | 99 |
| 6) Benzaldehyde | 7.157 | 77 | 343985m | 22.745 | ng/ul | |
| 8) Phenol | 7.204 | 94 | 965405 | 28.801 | ng/ul | 100 |
| 10) Bis(2-Chloroethyl)ether | 7.445 | 93 | 754841 | 28.944 | ng/ul | 100 |
| 12) 2-Chlorophenol | 7.586 | 128 | 732120 | 30.100 | ng/ul | 99 |
| 13) 2-Methylphenol | 8.463 | 108 | 726748 | 29.497 | ng/ul | 99 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.563 | 45 | 880379 | 28.482 | ng/ul | 99 |
| 16) Acetophenone | 8.851 | 105 | 1198900 | 29.952 | ng/ul | 98 |
| 17) N-Nitroso-di-n-propyla... | 8.845 | 70 | 607808 | 31.470 | ng/ul | 97 |
| 18) 4-Methylphenol | 8.798 | 108 | 802198 | 30.110 | ng/ul | 97 |
| 19) Hexachloroethane | 9.116 | 117 | 284441 | 28.872 | ng/ul | 94 |
| 22) Nitrobenzene | 9.233 | 77 | 846086 | 29.424 | ng/ul | 98 |
| 23) Isophorone | 9.763 | 82 | 1696836 | 28.941 | ng/ul | 100 |
| 25) 2-Nitrophenol | 9.945 | 139 | 375720 | 31.357 | ng/ul | 99 |
| 26) 2,4-Dimethylphenol | 10.004 | 107 | 830747 | 28.111 | ng/ul | 99 |
| 27) Bis(2-Chloroethoxy)met... | 10.245 | 93 | 1041053 | 29.790 | ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 10.480 | 162 | 701124 | 29.664 | ng/ul | 100 |
| 30) Naphthalene | 10.892 | 128 | 2436420 | 27.951 | ng/ul | 100 |
| 32) 4-Chloroaniline | 10.998 | 127 | 730210 | 18.922 | ng/ul | 99 |
| 33) Hexachlorobutadiene | 11.180 | 225 | 394082 | 27.262 | ng/ul | 99 |
| 34) Caprolactam | 11.763 | 113 | 229943m | 29.992 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.110 | 107 | 812881 | 31.156 | ng/ul | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.492 | 142 | 1665751 | 28.681 | ng/ul | 98 |
| 37) 1-Methylnaphthalene | 12.710 | 142 | 1681619 | 28.802 | ng/ul | 99 |
| 39) 1,2,4,5-Tetrachloroben... | 12.851 | 216 | 816537 | 27.834 | ng/ul | 98 |
| 40) Hexachlorocyclopentadiene | 12.839 | 237 | 418239 | 27.357 | ng/ul | 96 |
| 41) 2,4,6-Trichlorophenol | 13.086 | 196 | 488488 | 27.196 | ng/ul | 98 |
| 42) 2,4,5-Trichlorophenol | 13.157 | 196 | 560988 | 29.131 | ng/ul | 98 |
| 43) 1,1'-Biphenyl | 13.492 | 154 | 2271420 | 29.730 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.533 | 162 | 1688310 | 28.161 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.733 | 65 | 496431 | 33.641 | ng/ul | 98 |
| 47) Dimethylphthalate | 14.110 | 163 | 2192129 | 29.563 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 14.227 | 165 | 409973 | 34.007 | ng/ul | 97 |
| 50) Acenaphthylene | 14.374 | 152 | 2849705 | 30.061 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.551 | 138 | 449135 | 31.063 | ng/ul# | 99 |
| 52) Acenaphthene | 14.715 | 153 | 1856187 | 27.984 | ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.751 | 184 | 184041 | 34.405 | ng/ul | 97 |
| 55) 4-Nitrophenol | 14.845 | 109 | 353263 | 30.480 | ng/ul | 99 |
| 56) Dibenzofuran | 15.051 | 168 | 2634345 | 29.573 | ng/ul | 98 |
| 57) 2,4-Dinitrotoluene | 15.004 | 165 | 605445 | 34.545 | ng/ul | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.268 | 232 | 402946 | 24.996 | ng/ul | 98 |
| 59) Diethylphthalate | 15.468 | 149 | 2231517 | 30.063 | ng/ul | 100 |
| 61) Fluorene | 15.692 | 166 | 2231207 | 29.409 | ng/ul | 99 |
| 62) 4-Chlorophenyl-phenyle... | 15.692 | 204 | 1061904 | 29.267 | ng/ul | 98 |
| 63) 4-Nitroaniline | 15.709 | 138 | 496994 | 35.379 | ng/ul | 98 |
| 66) 4,6-Dinitro-2-methylph... | 15.762 | 198 | 304118 | 32.440 | ng/ul | 98 |
| 67) N-Nitrosodiphenylamine | 15.898 | 169 | 1865206 | 30.160 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.580 | 248 | 576795 | 27.870 | ng/ul | 99 |
| 69) Hexachlorobenzene | 16.692 | 284 | 708403 | 28.939 | ng/ul | 99 |
| 70) Atrazine | 16.845 | 200 | 73420 | 3.364 | ng/ul | 97 |
| 71) Pentachlorophenol | 17.033 | 266 | 327687 | 22.536 | ng/ul | 100 |
| 72) Phenanthrene | 17.427 | 178 | 3467120 | 29.977 | ng/ul | 99 |
| 74) Anthracene | 17.521 | 178 | 3504017 | 29.806 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.457 | 216 | 809440 | 28.185 | ng/uL | 99 |
| 76) Pentachlorobenzene | 14.968 | 250 | 810137 | 26.081 | ng/uL | 99 |
| 77) Carbazole | 17.786 | 167 | 3119878 | 28.664 | ng/ul | 100 |
| 78) Di-n-butylphthalate | 18.356 | 149 | 3811821 | 30.899 | ng/ul | 100 |
| 80) Fluoranthene | 19.433 | 202 | 4025902 | 33.194 | ng/ul | 98 |
| 82) Pyrene | 19.797 | 202 | 4131180 | 32.178 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.692 | 149 | 1581575 | 32.511 | ng/ul | 92 |
| 84) 3,3'-Dichlorobenzidine | 21.468 | 252 | 1210916 | 30.804 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.539 | 228 | 3853664 | 30.572 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.474 | 149 | 2481850 | 34.925 | ng/ul | 100 |
| 87) Chrysene | 21.591 | 228 | 3752791 | 31.365 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.415 | 149 | 3874030 | 36.773 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.250 | 252 | 3567674 | 32.195 | ng/ul | 100 |
| 91) Benzo(k)fluoranthene | 23.303 | 252 | 3515475 | 31.749 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 23.891 | 252 | 3404759 | 34.951 | ng/ul | 100 |
| 94) Indeno(1,2,3-cd)pyrene | 26.550 | 276 | 3225574 | 28.354 | ng/ul | 98 |
| 95) Dibenzo(a,h)anthracene | 26.568 | 278 | 2819821 | 27.332 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 27.332 | 276 | 2607718 | 26.442 | ng/ul | 99 |

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

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