Quantitation Report (Qedit)

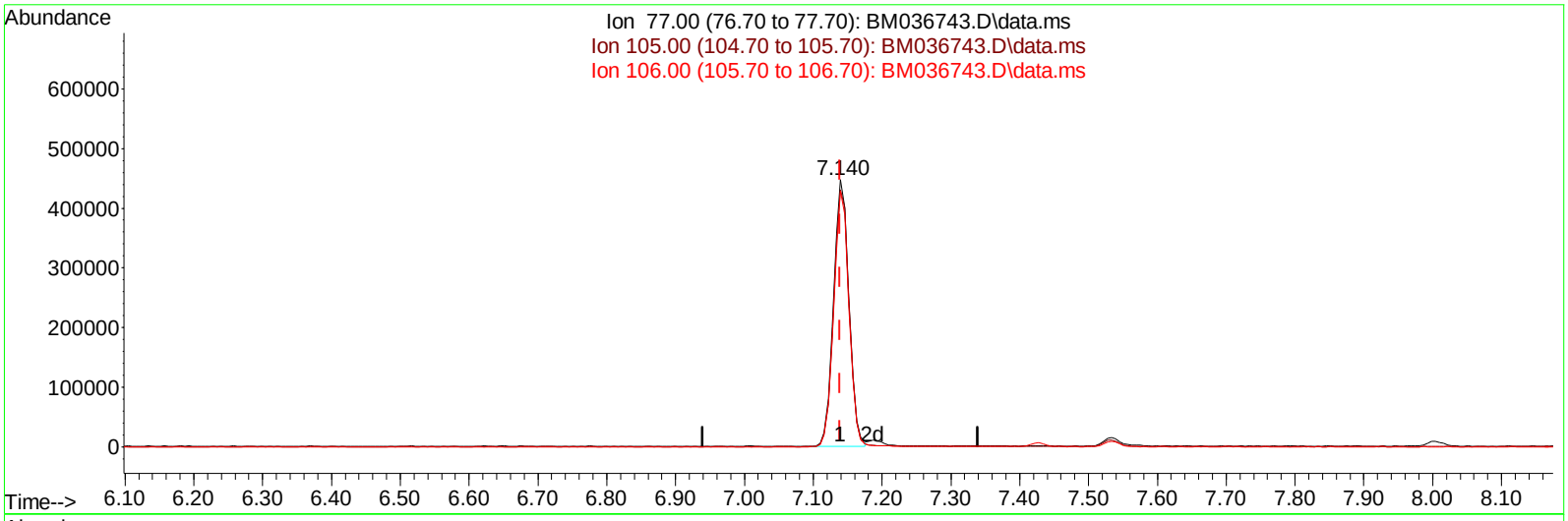
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092622\
Data File : BM036743.D
Acq On : 26 Sep 2022 13:42
Operator : CG/JU
Sample : PB147814BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

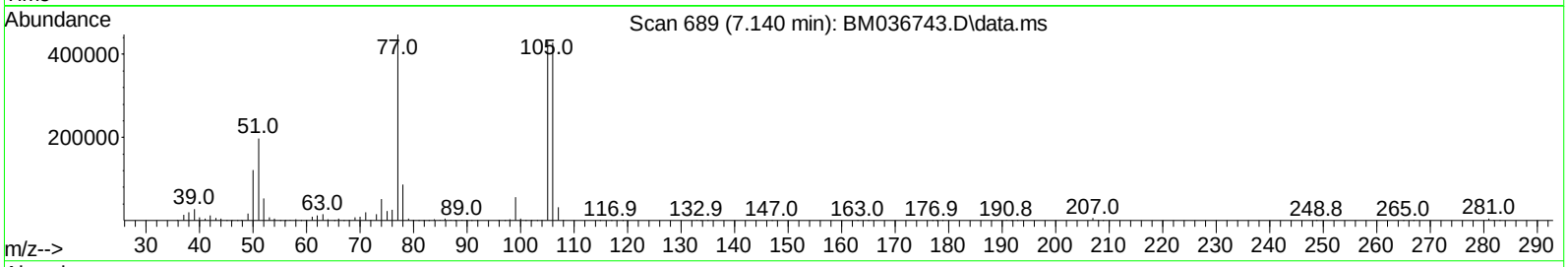
Quant Time: Sep 26 23:12:50 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM091522.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 26 23:10:22 2022
Response via : Initial Calibration

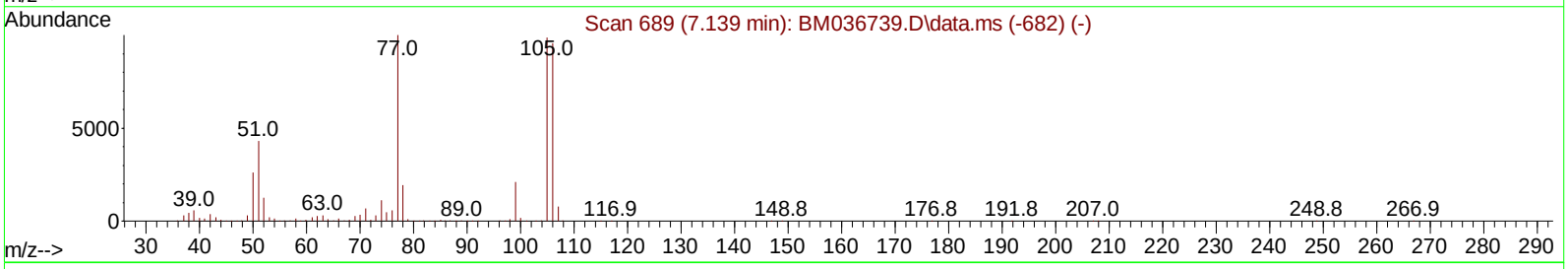
**Instrument :**
BNA_M
**ClientSampleId :**
SLCS814

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 09/27/2022
Supervised By :mohammad ahmed 09/28/2022




TIC: BM036743.D\data.ms

**(6) Benzaldehyde**

**7.140min (+ 0.000) 42.34 ng/ul**

**response 686580**

| Ion | Exp% | Act% |
|---|---|---|
| 77.00 | 100.00 | 100.00 |
| 105.00 | 93.90 | 96.20 |
| 106.00 | 91.30 | 95.75 |
| 0.00 | 0.00 | 0.00 |

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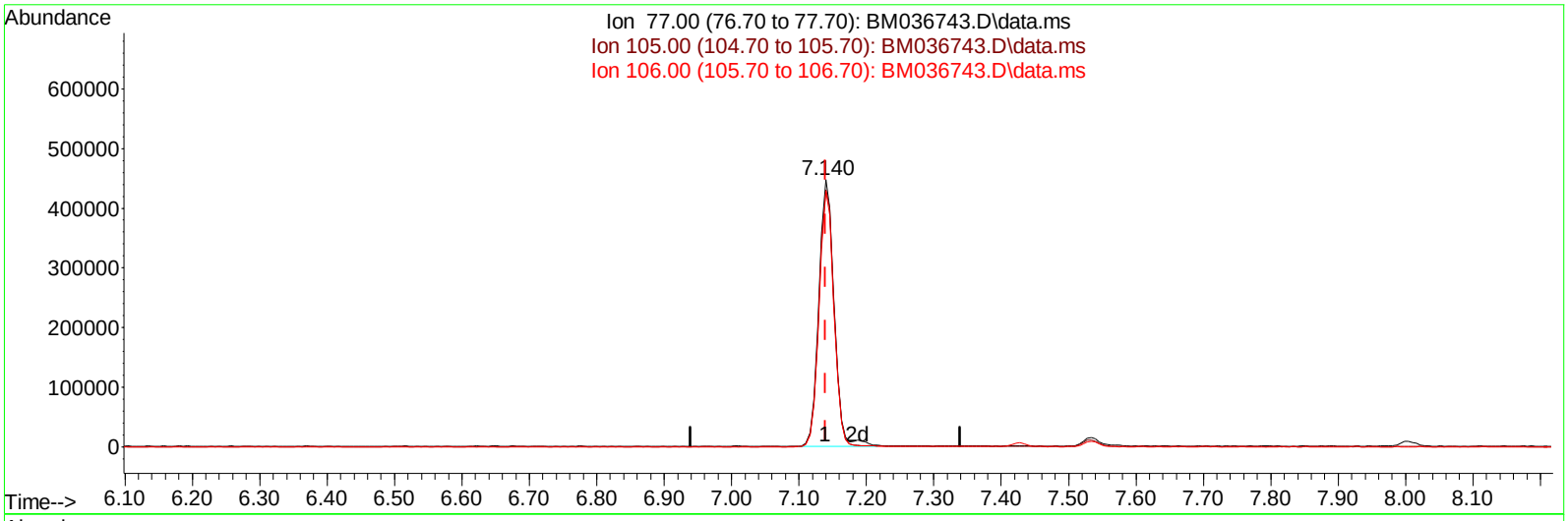


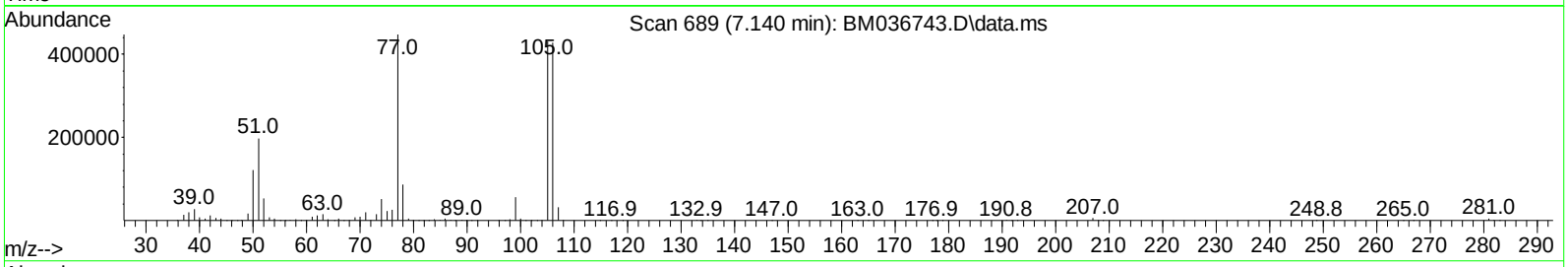


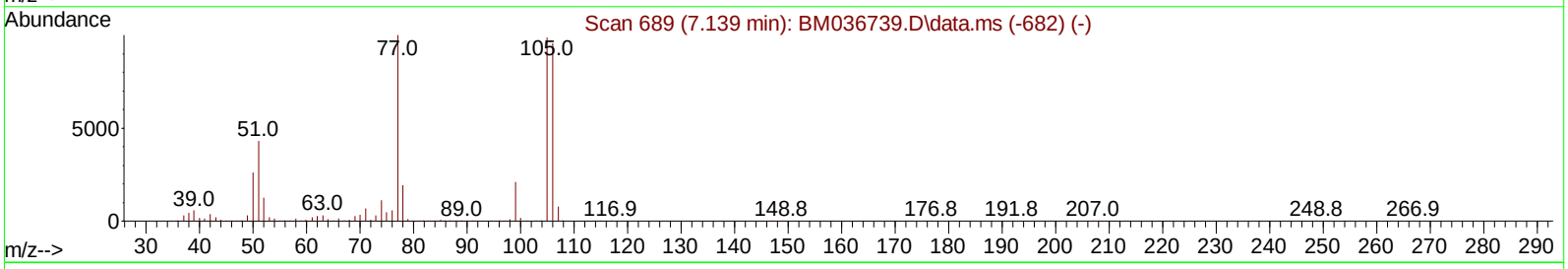


TIC: BM036743.D\data.ms

**(6) Benzaldehyde**

**7.140min (+ 0.000) 43.33 ng/ul m**

**response 702590**

| Ion | Exp% | Act% |
|---|---|---|
| 77.00 | 100.00 | 100.00 |
| 105.00 | 93.90 | 96.20 |
| 106.00 | 91.30 | 95.75 |
| 0.00 | 0.00 | 0.00 |

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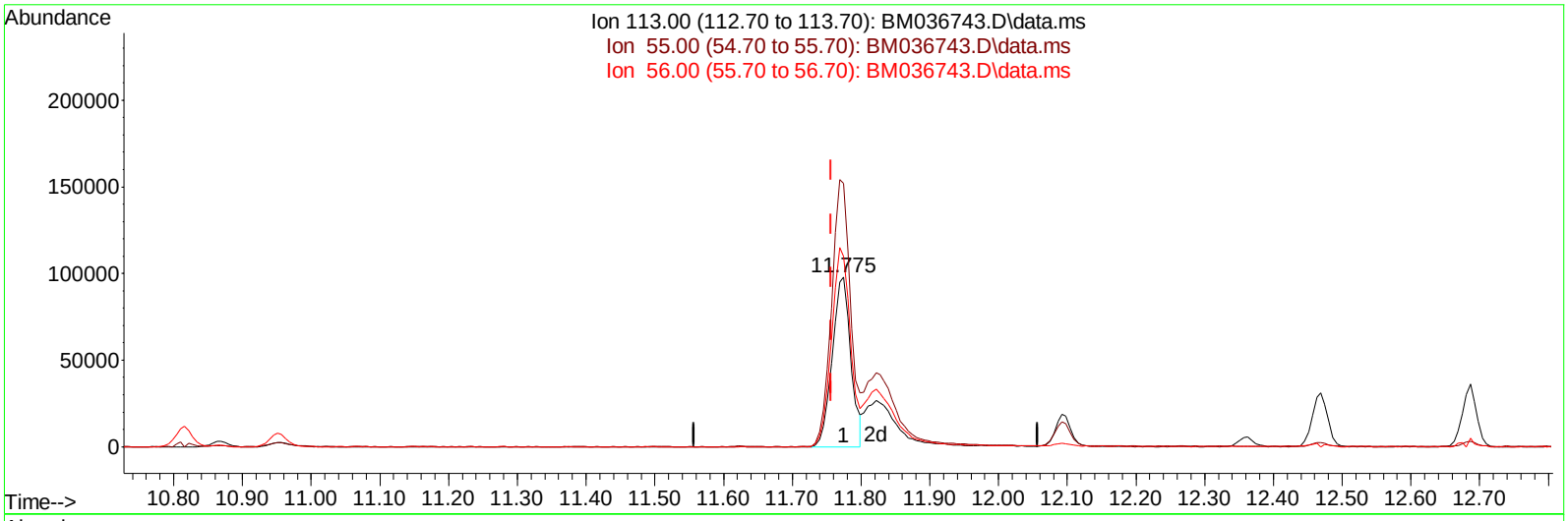


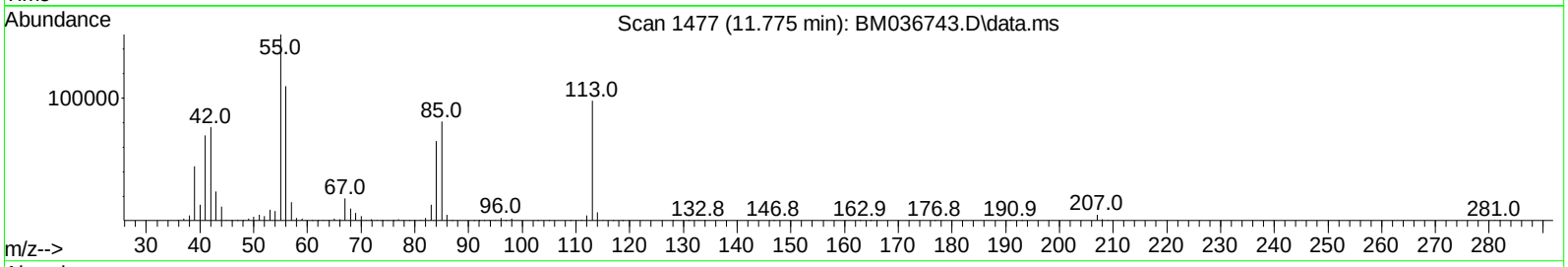


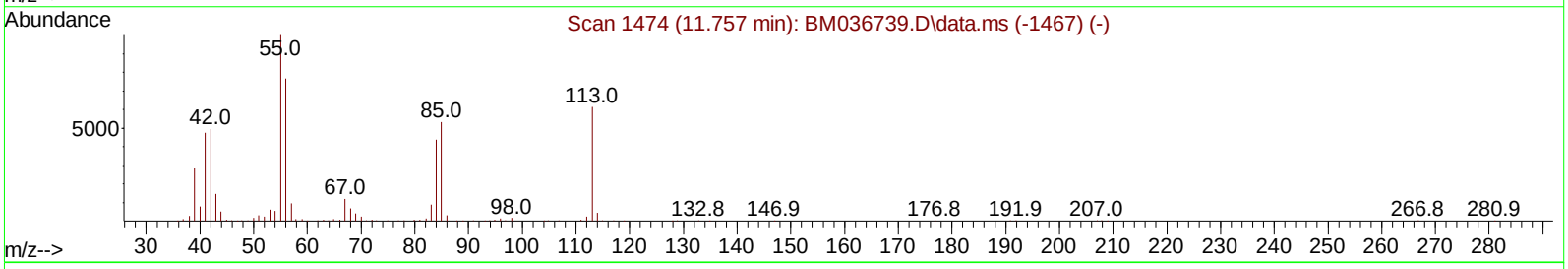


TIC: BM036743.D\data.ms

**(34) Caprolactam**

**11.775min (+ 0.018) 23.09 ng/ul**

**response 182342**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 159.40 | 155.45 |
| 56.00 | 118.30 | 112.46 |
| 0.00 | 0.00 | 0.00 |

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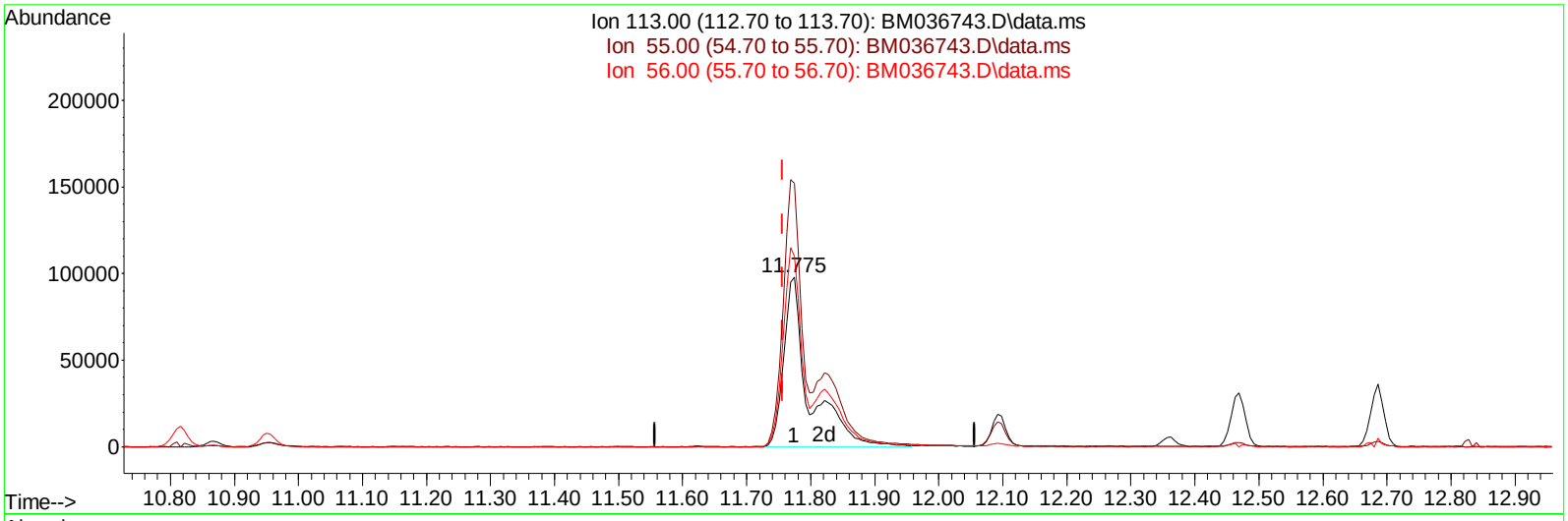


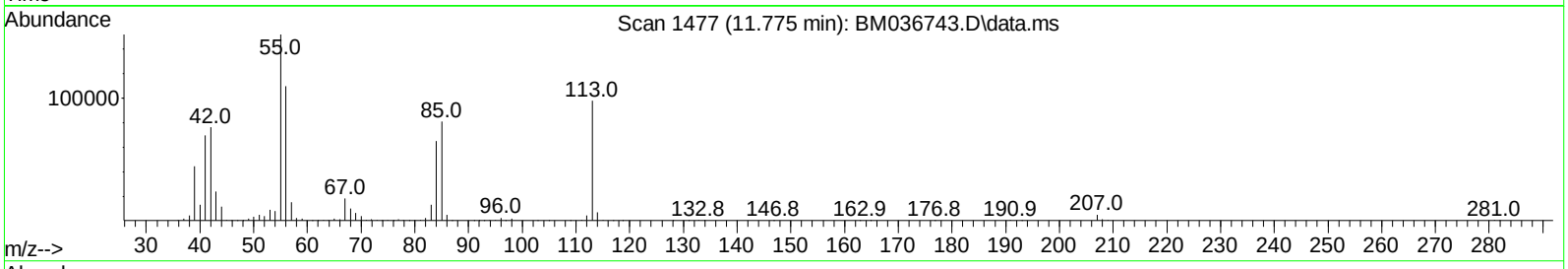


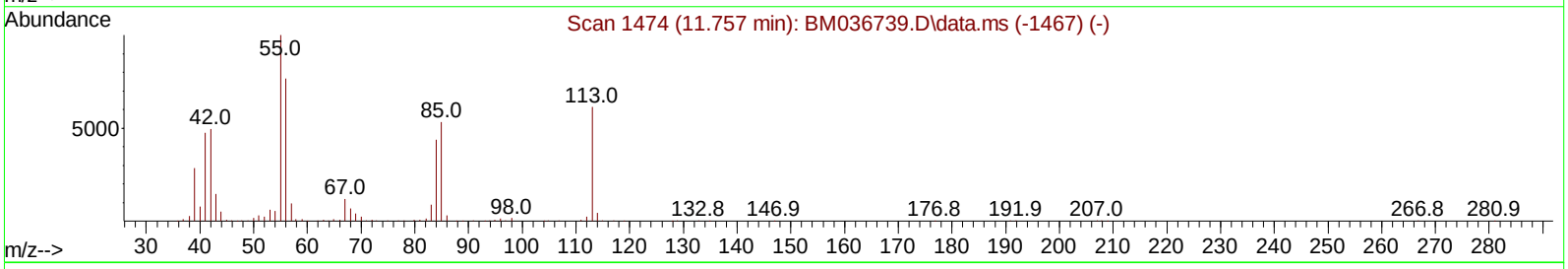


TIC: BM036743.D\data.ms

**(34) Caprolactam**

**11.775min (+ 0.018) 33.95 ng/ul m**

**response 268089**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 159.40 | 155.45 |
| 56.00 | 118.30 | 112.46 |
| 0.00 | 0.00 | 0.00 |

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**Instrument :**
BNA_M
**ClientSampleId :**
SLCS814

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 09/27/2022
Supervised By :mohammad ahmed 09/28/2022

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.004 | 152 | 374728 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.816 | 136 | 1647859 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.627 | 164 | 1026251 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.368 | 188 | 2039954 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.533 | 240 | 1628573 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.968 | 264 | 1346382 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.387 | 96 | 59676 | 5.970 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.810 | 84 | 803076 | 27.547 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.163 | 99 | 1181838 | 35.292 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.334 | 67 | 718376 | 35.324 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.534 | 132 | 904534 | 37.518 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.716 | 113 | 911139 | 36.823 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.175 | 128 | 449234 | 40.277 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.892 | 143 | 434485 | 43.490 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.434 | 165 | 862621 | 37.258 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.951 | 131 | 1196663 | 31.087 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.045 | 166 | 2488547 | 35.954 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.327 | 160 | 3030589 | 36.913 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.827 | 143 | 456006 | 33.967 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.616 | 176 | 2223338 | 35.845 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.733 | 200 | 328762 | 40.734 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.468 | 188 | 3321607 | 35.612 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.751 | 212 | 3554094 | 44.360 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.815 | 264 | 2471985 | 37.580 | ng/ul | 0.01 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.422 | 88 | 124145 | 11.529 | ng/uL | 98 |
| 5) Pyridine | 3.834 | 79 | 883104 | 30.151 | ng/ul | 96 |
| 6) Benzaldehyde | 7.140 | 77 | 702590m | 43.327 | ng/ul | |
| 8) Phenol | 7.193 | 94 | 1221136 | 33.976 | ng/ul | 99 |
| 10) Bis(2-Chloroethyl)ether | 7.428 | 93 | 931400 | 33.307 | ng/ul | 99 |
| 12) 2-Chlorophenol | 7.563 | 128 | 925315 | 35.480 | ng/ul | 98 |
| 13) 2-Methylphenol | 8.445 | 108 | 887776 | 33.605 | ng/ul | 100 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.534 | 45 | 1124690 | 33.934 | ng/ul | 100 |
| 16) Acetophenone | 8.834 | 105 | 1427499 | 33.260 | ng/ul | 100 |
| 17) N-Nitroso-di-n-propyla... | 8.822 | 70 | 722929 | 34.908 | ng/ul | 97 |
| 18) 4-Methylphenol | 8.781 | 108 | 985743 | 34.506 | ng/ul | 99 |
| 19) Hexachloroethane | 9.092 | 117 | 361376 | 34.210 | ng/ul | 95 |
| 22) Nitrobenzene | 9.216 | 77 | 1078693 | 36.426 | ng/ul | 99 |
| 23) Isophorone | 9.751 | 82 | 1970031 | 32.627 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.928 | 139 | 477117 | 38.666 | ng/ul | 98 |
| 26) 2,4-Dimethylphenol | 9.987 | 107 | 1001603 | 32.910 | ng/ul | 98 |
| 27) Bis(2-Chloroethoxy)met... | 10.228 | 93 | 1222193 | 33.960 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.463 | 162 | 856182 | 35.175 | ng/ul | 99 |
| 30) Naphthalene | 10.869 | 128 | 2998262 | 33.400 | ng/ul | 100 |
| 32) 4-Chloroaniline | 10.975 | 127 | 1207818 | 30.391 | ng/ul | 100 |
| 33) Hexachlorobutadiene | 11.151 | 225 | 472507 | 31.740 | ng/ul | 99 |
| 34) Caprolactam | 11.775 | 113 | 268089m | 33.955 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.092 | 107 | 946861 | 35.240 | ng/ul | 97 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.469 | 142 | 2002805 | 33.486 | ng/ul | 98 |
| 37) 1-Methylnaphthalene | 12.686 | 142 | 2044456 | 34.002 | ng/ul | 100 |
| 39) 1,2,4,5-Tetrachloroben... | 12.833 | 216 | 967277 | 33.300 | ng/ul | 100 |
| 40) Hexachlorocyclopentadiene | 12.810 | 237 | 432214 | 28.552 | ng/ul | 99 |
| 41) 2,4,6-Trichlorophenol | 13.069 | 196 | 626310 | 35.215 | ng/ul | 97 |
| 42) 2,4,5-Trichlorophenol | 13.139 | 196 | 693197 | 36.354 | ng/ul | 100 |
| 43) 1,1'-Biphenyl | 13.469 | 154 | 2556033 | 33.787 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.510 | 162 | 1982510 | 33.396 | ng/ul | 100 |
| 45) 2-Nitroaniline | 13.716 | 65 | 603038 | 41.272 | ng/ul | 97 |
| 47) Dimethylphthalate | 14.092 | 163 | 2470773 | 33.652 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.210 | 165 | 481413 | 40.330 | ng/ul | 99 |
| 50) Acenaphthylene | 14.357 | 152 | 3144474 | 33.500 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.539 | 138 | 538590 | 37.620 | ng/ul# | 95 |
| 52) Acenaphthene | 14.692 | 153 | 2202322 | 33.532 | ng/ul | 100 |
| 53) 2,4-Dinitrophenol | 14.739 | 184 | 185538 | 35.030 | ng/ul | 98 |
| 55) 4-Nitrophenol | 14.839 | 109 | 370378 | 32.274 | ng/ul | 99 |
| 56) Dibenzofuran | 15.027 | 168 | 2959205 | 33.550 | ng/ul | 98 |
| 57) 2,4-Dinitrotoluene | 14.992 | 165 | 697817 | 40.211 | ng/ul | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.251 | 232 | 558340 | 34.980 | ng/ul# | 97 |
| 59) Diethylphthalate | 15.451 | 149 | 2533784 | 34.474 | ng/ul | 100 |
| 61) Fluorene | 15.674 | 166 | 2578612 | 34.326 | ng/ul | 99 |
| 62) 4-Chlorophenyl-phenyle... | 15.669 | 204 | 1200838 | 33.425 | ng/ul | 99 |
| 63) 4-Nitroaniline | 15.698 | 138 | 524269 | 37.691 | ng/ul | 99 |
| 66) 4,6-Dinitro-2-methylph... | 15.751 | 198 | 332608 | 36.519 | ng/ul | 99 |
| 67) N-Nitrosodiphenylamine | 15.880 | 169 | 2099020 | 34.936 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.557 | 248 | 675439 | 33.593 | ng/ul | 97 |
| 69) Hexachlorobenzene | 16.674 | 284 | 766411 | 32.227 | ng/ul | 99 |
| 70) Atrazine | 16.833 | 200 | 694600 | 32.761 | ng/ul | 98 |
| 71) Pentachlorophenol | 17.015 | 266 | 437841 | 30.995 | ng/ul | 99 |
| 72) Phenanthrene | 17.410 | 178 | 3887317 | 34.596 | ng/ul | 99 |
| 74) Anthracene | 17.504 | 178 | 3921780 | 34.338 | ng/ul | 100 |
| 75) 1,2,3,4-Tetrachloroben... | 13.433 | 216 | 999788 | 35.834 | ng/uL | 99 |
| 76) Pentachlorobenzene | 14.945 | 250 | 893250 | 29.600 | ng/uL | 99 |
| 77) Carbazole | 17.768 | 167 | 3480021 | 32.911 | ng/ul | 100 |
| 78) Di-n-butylphthalate | 18.333 | 149 | 4405019 | 36.754 | ng/ul | 99 |
| 80) Fluoranthene | 19.415 | 202 | 4174982 | 42.524 | ng/ul | 99 |
| 82) Pyrene | 19.780 | 202 | 4322860 | 41.596 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.674 | 149 | 1716898 | 43.599 | ng/ul | 95 |
| 84) 3,3'-Dichlorobenzidine | 21.450 | 252 | 1143165 | 35.924 | ng/ul | 98 |
| 85) Benzo(a)anthracene | 21.521 | 228 | 3598381 | 35.265 | ng/ul | 100 |
| 86) Bis(2-ethylhexyl)phtha... | 21.450 | 149 | 2690638 | 46.774 | ng/ul | 99 |
| 87) Chrysene | 21.574 | 228 | 3345709 | 34.544 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.386 | 149 | 3885269 | 47.866 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.227 | 252 | 3130904 | 36.671 | ng/ul | 100 |
| 91) Benzo(k)fluoranthene | 23.274 | 252 | 3120138 | 36.573 | ng/ul | 98 |
| 93) Benzo(a)pyrene | 23.862 | 252 | 2675722 | 35.649 | ng/ul | 98 |
| 94) Indeno(1,2,3-cd)pyrene | 26.509 | 276 | 2858125 | 32.608 | ng/ul | 96 |
| 95) Dibenzo(a,h)anthracene | 26.527 | 278 | 2566328 | 32.285 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 27.285 | 276 | 2508904 | 33.018 | ng/ul | 98 |

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

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