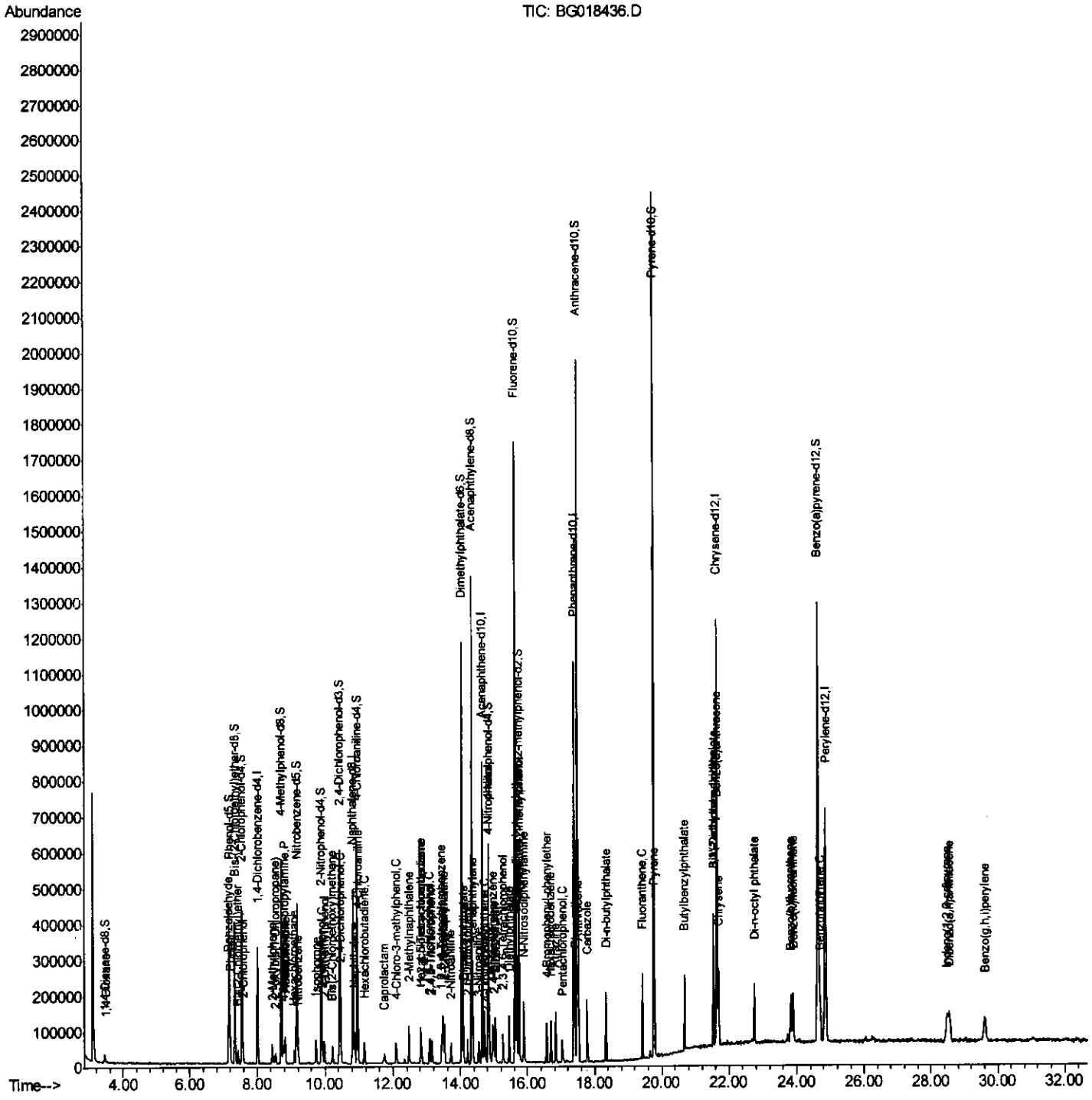
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081415\
Data File : BG018436.D
Acq On : 14 Aug 2015 19:55
Operator : UM/MA
Sample : MDL-02-W
Misc :
ALS Vial : 5 Sample Multiplier: 1

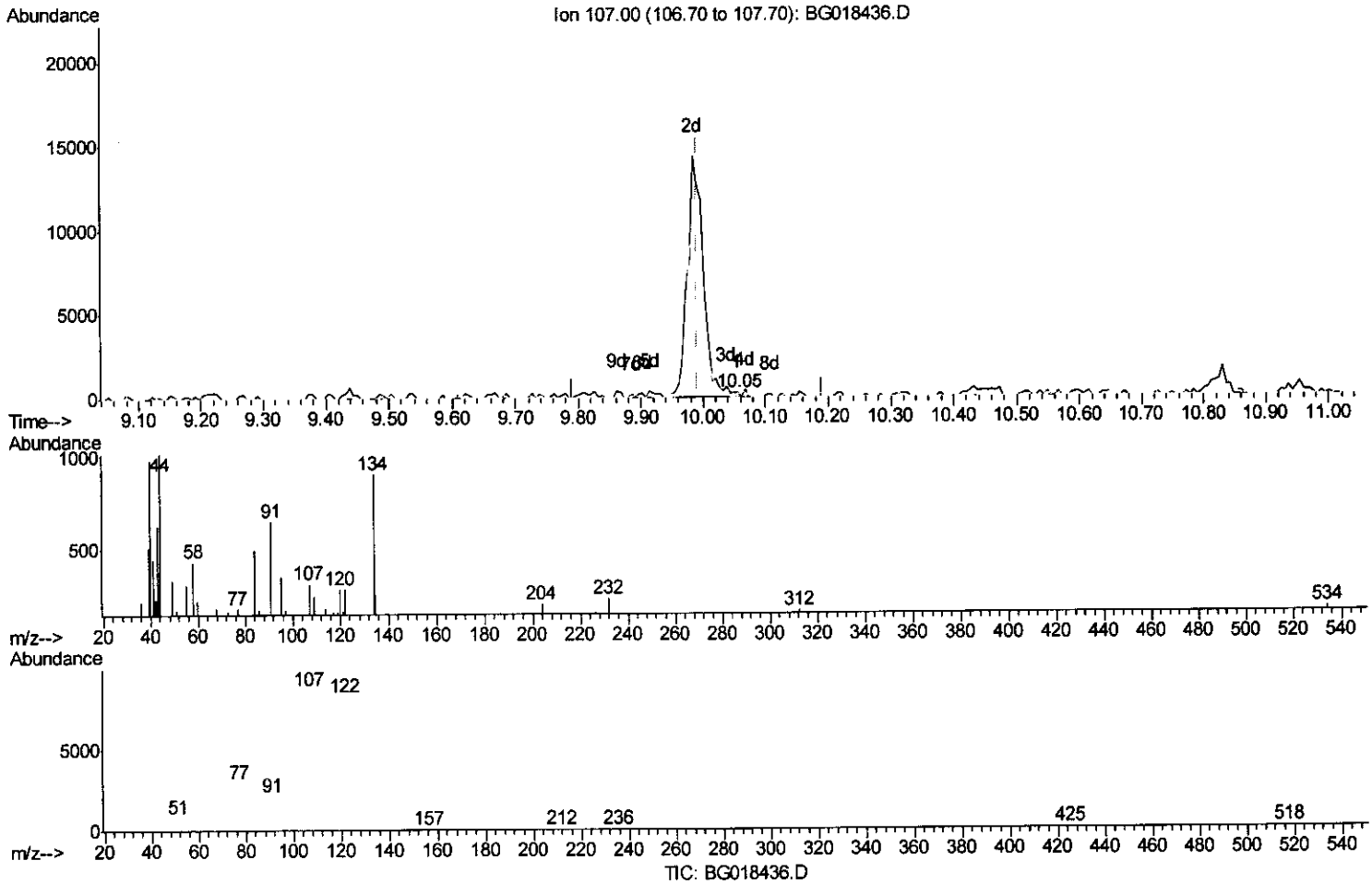
Quant Time: Aug 17 03:50:33 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 17 03:15:20 2015
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081415\
Data File : BG018436.D
Acq On : 14 Aug 2015 19:55
Operator : UM/MA
Sample : MDL-02-W
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 17 03:18:00 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 17 03:15:20 2015
Response via : Initial Calibration




(24) 2,4-Dimethylphenol

10.055min (+0.064) 0.03ng/ul

response 208

| Ion | Exp% | Act% |
|---|---|---|
| 107.00 | 100 | 100 |
| 121.00 | 51.60 | 54.02 |
| 122.00 | 89.90 | 93.25 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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Operator : UM/MA
Sample : MDL-02-W
Misc :
ALS Vial : 5 Sample Multiplier: 1

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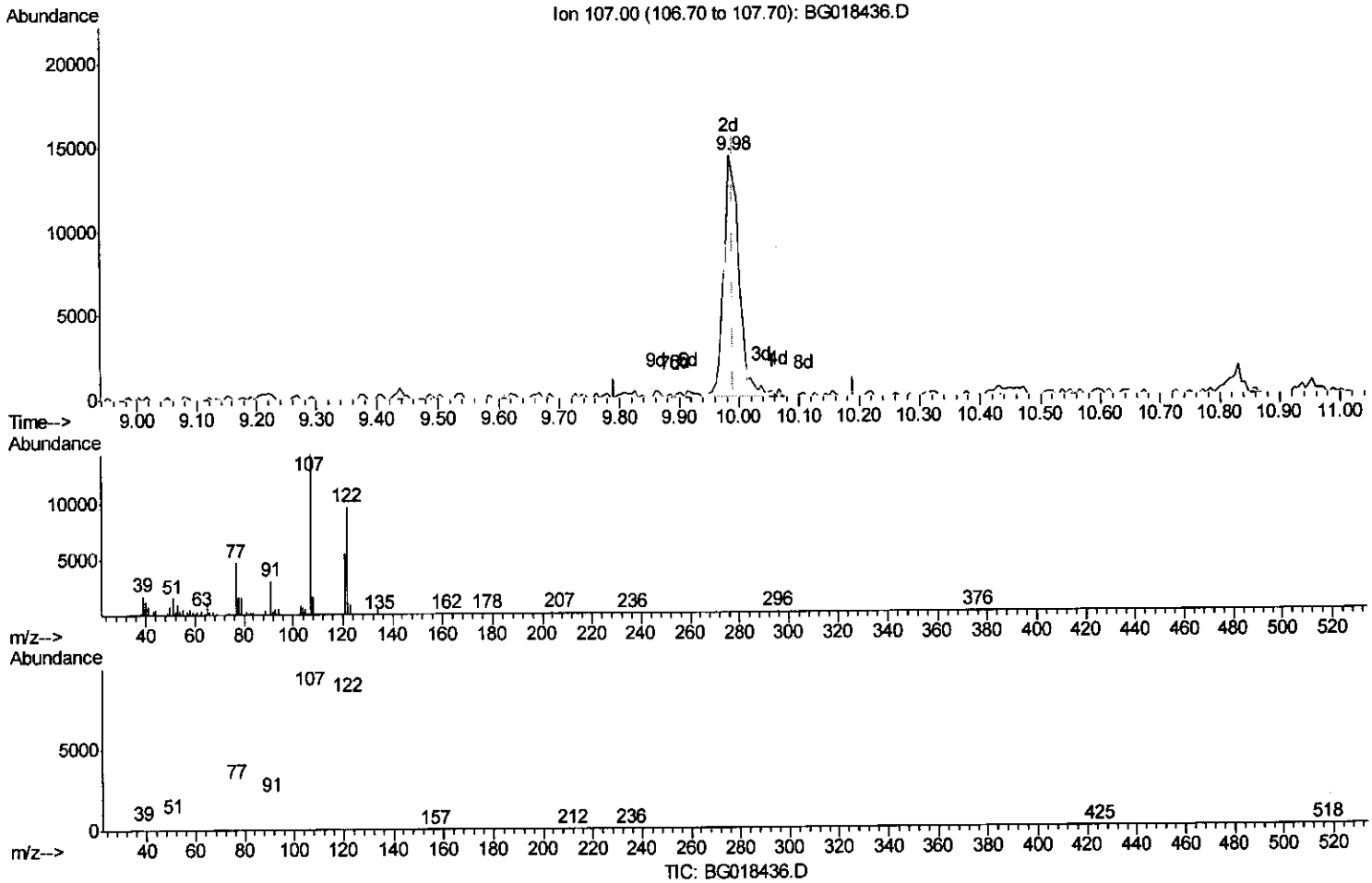
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 17 03:15:20 2015
Response via : Initial Calibration




(24) 2,4-Dimethylphenol

9.984min (-0.007) 3.04ng/ul m M.A 8/17/15

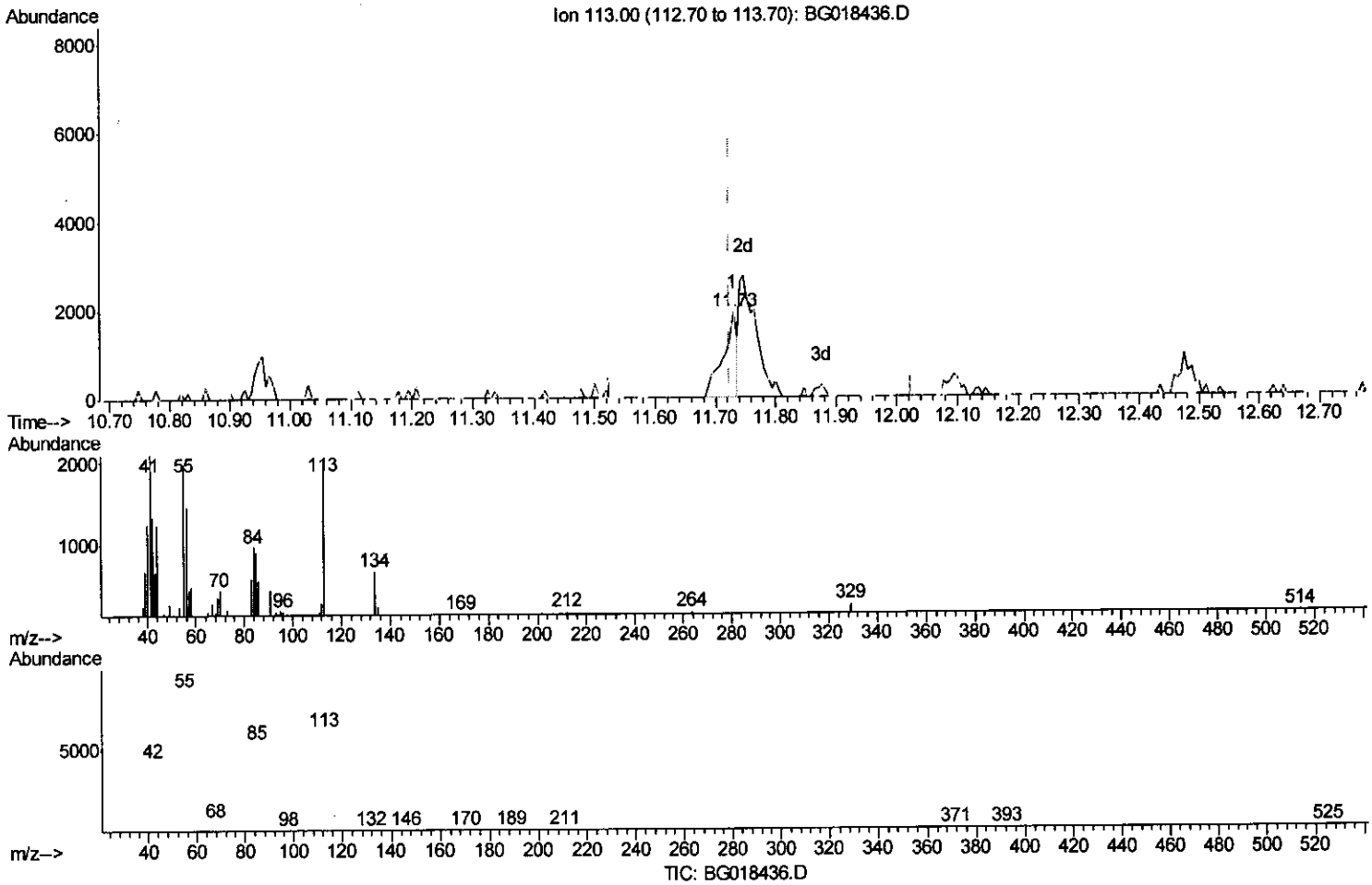
response 25300

| Ion | Exp% | Act% |
|---|---|---|
| 107.00 | 100 | 100 |
| 121.00 | 51.60 | 38.38# |
| 122.00 | 89.90 | 66.92# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081415\
Data File : BG018436.D
Acq On : 14 Aug 2015 19:55
Operator : UM/MA
Sample : MDL-02-W
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 17 03:18:00 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 17 03:15:20 2015
Response via : Initial Calibration




(32) Caprolactam

11.729min (+0.005) 1.11ng/ul

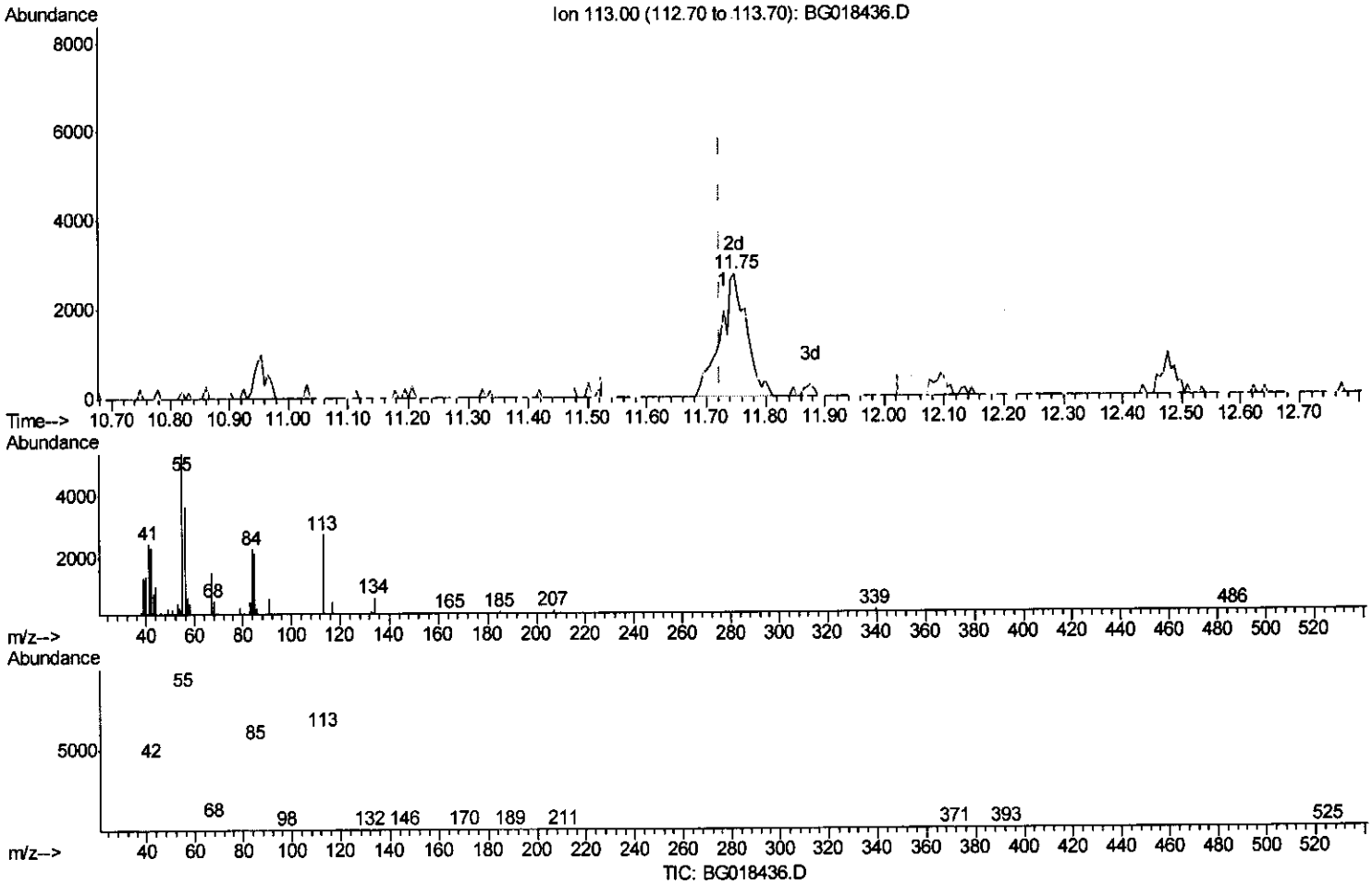
response 2971

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 155.30 | 102.65# |
| 56.00 | 122.80 | 75.48# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081415\
Data File : BG018436.D
Acq On : 14 Aug 2015 19:55
Operator : UM/MA
Sample : MDL-02-W
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 17 03:18:00 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 17 03:15:20 2015
Response via : Initial Calibration




(32) Caprolactam

11.747min (+0.023) 3.16ng/ul m M. A 8/17/15

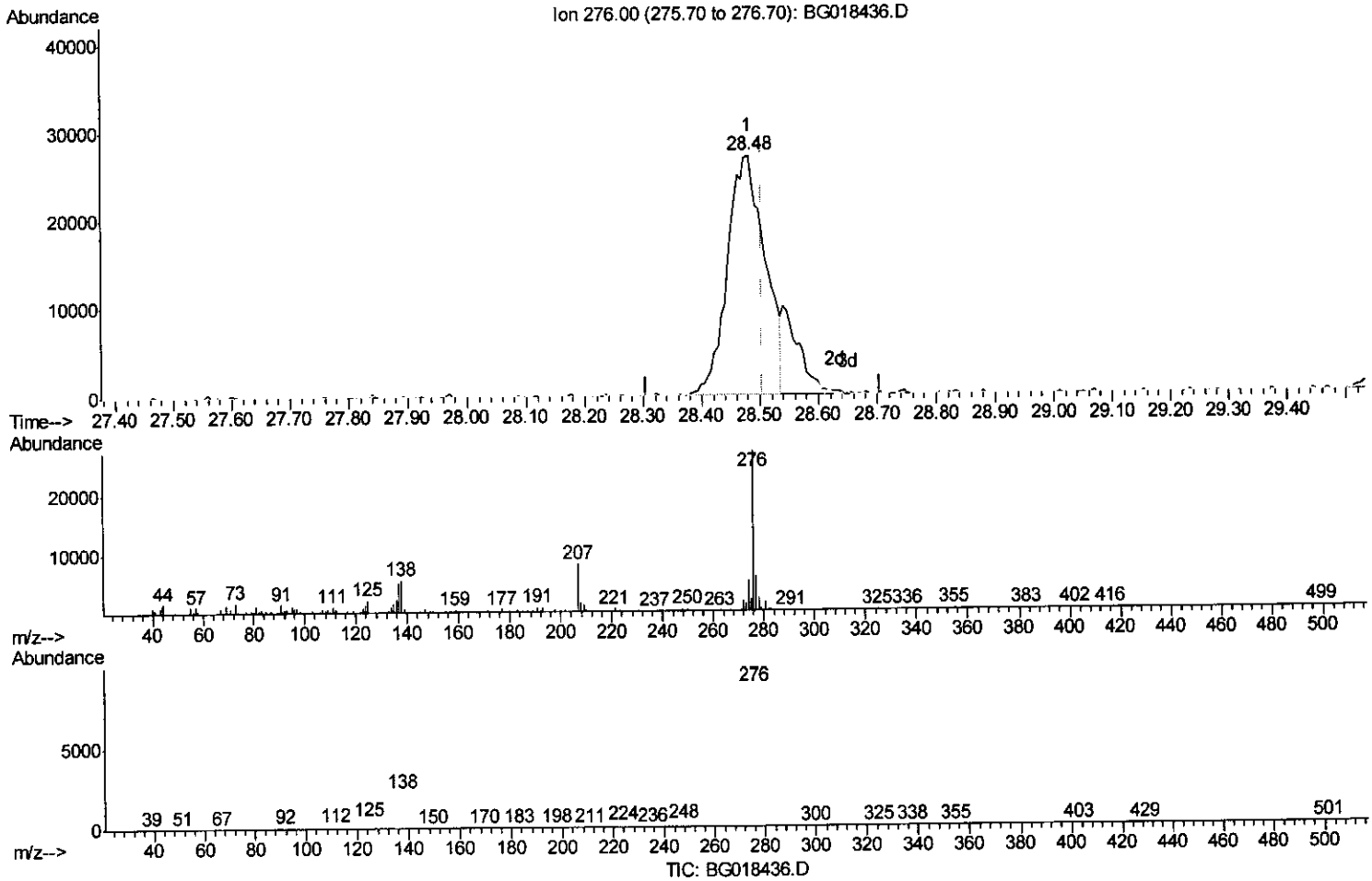
response 8458

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 155.30 | 197.81# |
| 56.00 | 122.80 | 133.78 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081415\
Data File : BG018436.D
Acq On : 14 Aug 2015 19:55
Operator : UM/MA
Sample : MDL-02-W
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 17 03:18:00 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 17 03:15:20 2015
Response via : Initial Calibration




(92) Indeno(1,2,3-cd)pyrene

28.480min (-0.024) 2.70ng/ul

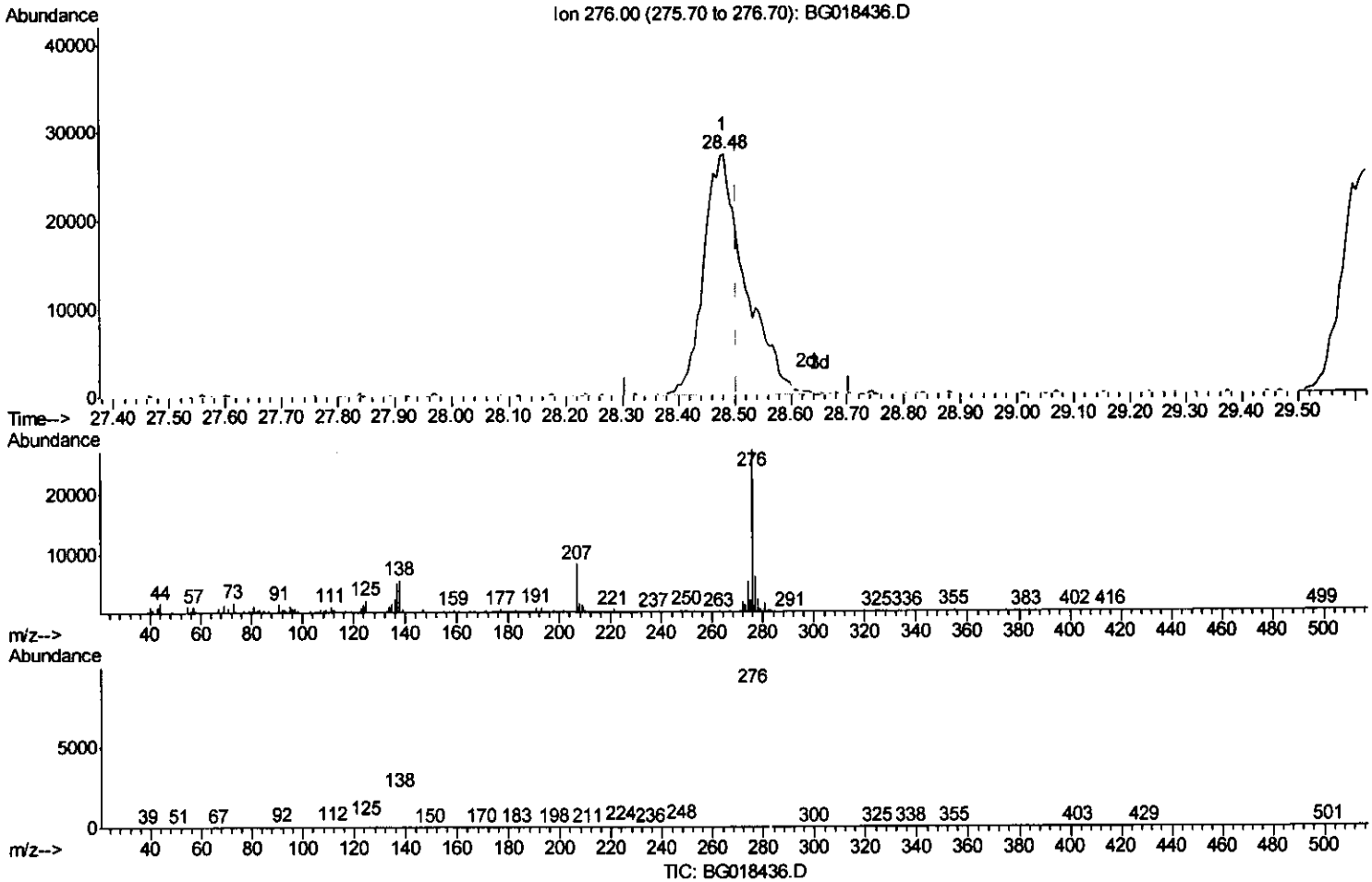
response 120892

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100 | 100 |
| 138.00 | 19.70 | 20.46 |
| 277.00 | 23.60 | 22.27 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081415\
Data File : BG018436.D
Acq On : 14 Aug 2015 19:55
Operator : UM/MA
Sample : MDL-02-W
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 17 03:18:00 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 17 03:15:20 2015
Response via : Initial Calibration




(92) Indeno(1,2,3-cd)pyrene

28.480min (-0.024) 3.17ng/ul m M.A 8/17/15

response 141563

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100 | 100 |
| 138.00 | 19.70 | 20.46 |
| 277.00 | 23.60 | 22.27 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

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Data File : BG018436.D
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Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 17 03:50:33 2015
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Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 17 03:15:20 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.02 | 152 | 93956 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.82 | 136 | 420884 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.64 | 164 | 272286 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.39 | 188 | 664421 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.65 | 240 | 656236 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 24.85 | 264 | 646816 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.44 | 96 | 12496 | 5.88 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.18 | 99 | 284671 | 33.38 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.34 | 67 | 180072 | 34.08 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.55 | 132 | 214095 | 32.78 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.72 | 113 | 239547 | 33.43 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.17 | 128 | 118052 | 35.98 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.90 | 143 | 123303 | 36.90 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.44 | 165 | 239248 | 33.74 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.95 | 131 | 334639 | 41.75 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.04 | 166 | 809623 | 35.34 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.34 | 160 | 987477 | 34.23 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.83 | 143 | 151350 | 36.73 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.64 | 176 | 708972 | 35.53 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.75 | 200 | 121940 | 37.31 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.49 | 188 | 1126086 | 35.44 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.77 | 212 | 1219147 | 35.81 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 24.63 | 264 | 1270356 | 37.00 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.48 | 88 | 2091 | 0.92 | ng/uL# | 82 |
| 4) Benzaldehyde | 7.15 | 77 | 17111 | 3.42 | ng/ul | 90 |
| 6) Phenol | 7.20 | 94 | 25446 | 2.93 | ng/ul | 92 |
| 8) Bis(2-Chloroethyl)ether | 7.43 | 93 | 21367 | 3.19 | ng/ul | 93 |
| 10) 2-Chlorophenol | 7.58 | 128 | 19000 | 2.85 | ng/ul | 92 |
| 11) 2-Methylphenol | 8.46 | 108 | 19245 | 2.85 | ng/ul | 93 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.56 | 45 | 28786 | 2.68 | ng/ul | 97 |
| 14) Acetophenone | 8.84 | 105 | 34362 | 3.32 | ng/ul# | 85 |
| 15) N-Nitroso-di-n-propylamine | 8.82 | 70 | 18204 | 3.07 | ng/ul# | 84 |
| 16) 4-Methylphenol | 8.79 | 108 | 20962 | 2.85 | ng/ul | 80 |
| 17) Hexachloroethane | 9.10 | 117 | 8039 | 2.80 | ng/ul | 94 |
| 20) Nitrobenzene | 9.21 | 77 | 25351 | 3.06 | ng/ul# | 92 |
| 21) Isophorone | 9.74 | 82 | 49373 | 3.10 | ng/ul# | 90 |
| 23) 2-Nitrophenol | 9.93 | 139 | 11000 | 2.96 | ng/ul | 96 |
| 24) 2,4-Dimethylphenol | 9.98 | 107 | 25300m | 3.04 | ng/ul | |
| 25) Bis(2-Chloroethoxy)methane | 10.22 | 93 | 29294 | 2.95 | ng/ul# | 80 |
| 27) 2,4-Dichlorophenol | 10.47 | 162 | 21247 | 3.20 | ng/ul# | 91 |
| 28) Naphthalene | 10.87 | 128 | 70938 | 3.19 | ng/ul | 98 |
| 30) 4-Chloroaniline | 10.97 | 127 | 31719 | 3.89 | ng/ul | 100 |
| 31) Hexachlorobutadiene | 11.16 | 225 | 13292 | 3.17 | ng/ul | 94 |
| 32) Caprolactam | 11.75 | 113 | 8458m | 3.16 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 12.09 | 107 | 23170 | 3.01 | ng/ul | 92 |
| 34) 2-Methylnaphthalene | 12.48 | 142 | 50392 | 3.13 | ng/ul | 91 |

O.M.A 8/17/15

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Operator : UM/MA
Sample : MDL-02-W
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 17 03:50:33 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 17 03:15:20 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 37) 1,2,4,5-Tetrachlorobenzene | 12.84 | 216 | 26801 | 3.07 ng/ul | 96 |
| 38) Hexachlorocyclopentadiene | 12.82 | 237 | 14495 | 2.79 ng/ul | 99 |
| 39) 2,4,6-Trichlorophenol | 13.08 | 196 | 17760 | 2.99 ng/ul | 99 |
| 40) 2,4,5-Trichlorophenol | 13.15 | 196 | 17437 | 2.73 ng/ul | 93 |
| 41) 1,1'-Biphenyl | 13.48 | 154 | 69623 | 3.06 ng/ul | 98 |
| 42) 2-Chloronaphthalene | 13.52 | 162 | 54080 | 3.06 ng/ul | 94 |
| 43) 2-Nitroaniline | 13.72 | 65 | 18028 | 3.16 ng/ul | 86 |
| 45) Dimethylphthalate | 14.09 | 163 | 70462 | 3.12 ng/ul# | 96 |
| 46) 2,6-Dinitrotoluene | 14.21 | 165 | 13190 | 2.93 ng/ul | 96 |
| 48) Acenaphthylene | 14.37 | 152 | 93736 | 3.24 ng/ul | 99 |
| 49) 3-Nitroaniline | 14.54 | 138 | 15997 | 3.48 ng/ul | 91 |
| 50) Acenaphthene | 14.71 | 153 | 61770 | 3.04 ng/ul | 96 |
| 51) 2,4-Dinitrophenol | 14.74 | 184 | 4325 | 1.97 ng/ul | 84 |
| 53) 4-Nitrophenol | 14.84 | 109 | 10974 | 3.06 ng/ul | 87 |
| 54) Dibenzofuran | 15.04 | 168 | 87002 | 3.28 ng/ul | 97 |
| 55) 2,4-Dinitrotoluene | 15.00 | 165 | 20518 | 3.19 ng/ul# | 89 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.27 | 232 | 16869 | 3.03 ng/ul# | 88 |
| 57) Diethylphthalate | 15.45 | 149 | 74297 | 3.09 ng/ul | 94 |
| 59) Fluorene | 15.69 | 166 | 69734 | 3.06 ng/ul | 97 |
| 60) 4-Chlorophenyl-phenylether | 15.68 | 204 | 35333 | 3.27 ng/ul# | 94 |
| 61) 4-Nitroaniline | 15.70 | 138 | 16835 | 3.32 ng/ul | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 15.76 | 198 | 12291 | 3.53 ng/ul# | 88 |
| 65) N-Nitrosodiphenylamine | 15.89 | 169 | 61957 | 3.10 ng/ul | 96 |
| 66) 4-Bromophenyl-phenylether | 16.58 | 248 | 21365 | 2.97 ng/ul | 88 |
| 67) Hexachlorobenzene | 16.69 | 284 | 23899 | 3.14 ng/ul | 96 |
| 68) Atrazine | 16.84 | 200 | 25495 | 3.41 ng/ul# | 93 |
| 69) Pentachlorophenol | 17.04 | 266 | 10627 | 2.09 ng/ul | 95 |
| 70) Phenanthrene | 17.43 | 178 | 117906 | 3.27 ng/ul | 96 |
| 72) Anthracene | 17.52 | 178 | 123115 | 3.35 ng/ul | 98 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.44 | 216 | 24501 | 2.67 ng/uL | 98 |
| 74) Pentachlorobenzene | 14.97 | 250 | 27286 | 3.11 ng/uL | 97 |
| 75) Carbazole | 17.79 | 167 | 113568 | 3.53 ng/ul | 94 |
| 76) Di-n-butylphthalate | 18.35 | 149 | 142917 | 3.40 ng/ul# | 97 |
| 77) Fluoranthene | 19.43 | 202 | 145019 | 3.77 ng/ul | 99 |
| 80) Pyrene | 19.80 | 202 | 147803 | 3.33 ng/ul | 99 |
| 81) Butylbenzylphthalate | 20.68 | 149 | 61426 | 3.27 ng/ul | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.54 | 252 | 50620 | 3.71 ng/ul | 97 |
| 83) Benzo(a)anthracene | 21.62 | 228 | 134948 | 3.32 ng/ul | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.54 | 149 | 89038 | 3.36 ng/ul | 98 |
| 85) Chrysene | 21.69 | 228 | 122499 | 3.22 ng/ul | 98 |
| 87) Di-n-octyl phthalate | 22.75 | 149 | 154563 | 3.70 ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 23.82 | 252 | 132621 | 3.26 ng/ul | 98 |
| 89) Benzo(k)fluoranthene | 23.89 | 252 | 120469 | 3.08 ng/ul | 97 |
| 91) Benzo(a)pyrene | 24.70 | 252 | 125055 | 3.24 ng/ul | 97 |
| 92) Indeno(1,2,3-cd)pyrene | 28.48 | 276 | 141563m | 3.17 ng/ul | |
| 93) Dibenzo(a,h)anthracene | 28.55 | 278 | 115041 | 3.10 ng/ul | 94 |
| 94) Benzo(g,h,i)perylene | 29.62 | 276 | 117656 | 3.13 ng/ul | 96 |

M.A 8/17/15

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