

## Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM051116\  
 Data File : BM005393.D  
 Acq On : 11 May 2016 18:52  
 Operator : UM/SJ  
 Sample : SSTDCCC020EC

Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTD02062

Manual Integrations  
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Quant Time: May 12 04:21:27 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM050516.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 12 02:20:05 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.59 | 216  | 225772   | 21.09 | ng/ul  | 99       |
| 37) Hexachlorocyclopentadiene  | 12.56 | 237  | 108491   | 19.84 | ng/ul  | 95       |
| 38) 2,4,6-Trichlorophenol      | 12.83 | 196  | 157938   | 22.15 | ng/ul  | 98       |
| 39) 2,4,5-Trichlorophenol      | 12.90 | 196  | 174804   | 22.10 | ng/ul  | 98       |
| 40) 1,1'-Biphenyl              | 13.23 | 154  | 568347   | 20.39 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.27 | 162  | 439321   | 20.84 | ng/ul  | 98       |
| 42) 2-Nitroaniline             | 13.49 | 65   | 150308   | 23.16 | ng/ul  | 97       |
| 44) Dimethylphthalate          | 13.86 | 163  | 589092   | 20.90 | ng/ul  | 100      |
| 45) 2,6-Dinitrotoluene         | 13.99 | 165  | 128863   | 23.19 | ng/ul# | 91       |
| 47) Acenaphthylene             | 14.13 | 152  | 733838   | 20.97 | ng/ul  | 100      |
| 48) 3-Nitroaniline             | 14.32 | 138  | 138540   | 23.38 | ng/ul  | 100      |
| 49) Acenaphthene               | 14.47 | 153  | 475546   | 20.62 | ng/ul  | 98       |
| 50) 2,4-Dinitrophenol          | 14.53 | 184  | 70755    | 22.13 | ng/ul  | 94       |
| 52) 4-Nitrophenol              | 14.64 | 109  | 94059    | 21.97 | ng/ul  | 92       |
| 53) Dibenzofuran               | 14.80 | 168  | 688234   | 20.56 | ng/ul  | 99       |
| 54) 2,4-Dinitrotoluene         | 14.78 | 165  | 185080   | 22.33 | ng/ul  | 98       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.03 | 232  | 151808   | 22.57 | ng/ul# | 96       |
| 56) Diethylphthalate           | 15.23 | 149  | 598250   | 21.01 | ng/ul  | 99       |
| 58) Fluorene                   | 15.46 | 166  | 529313   | 20.23 | ng/ul  | 100      |
| 59) 4-Chlorophenyl-phenylether | 15.44 | 204  | 267712   | 20.65 | ng/ul  | 97       |
| 60) 4-Nitroaniline             | 15.49 | 138  | 143799m  | 22.90 | ng/ul  | 97       |
| 63) 4,6-Dinitro-2-methylphenol | 15.54 | 198  | 115843   | 23.50 | ng/ul# | 93       |
| 64) N-Nitrosodiphenylamine     | 15.66 | 169  | 490433   | 21.47 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.34 | 248  | 176874   | 22.12 | ng/ul  | 97       |
| 66) Hexachlorobenzene          | 16.46 | 284  | 198623   | 22.15 | ng/ul  | 97       |
| 67) Atrazine                   | 16.62 | 200  | 195995   | 23.52 | ng/ul  | 99       |
| 68) Pentachlorophenol          | 16.81 | 266  | 117927   | 23.66 | ng/ul  | 98       |
| 69) Phenanthrene               | 17.20 | 178  | 907451   | 20.69 | ng/ul  | 99       |
| 71) Anthracene                 | 17.29 | 178  | 918853   | 21.02 | ng/ul  | 100      |
| 72) Carbazole                  | 17.56 | 167  | 845738   | 21.99 | ng/ul  | 99       |
| 73) Di-n-butylphthalate        | 18.12 | 149  | 1035602  | 22.07 | ng/ul  | 100      |
| 74) Fluoranthene               | 19.22 | 202  | 1038053  | 21.36 | ng/ul  | 97       |
| 77) Pyrene                     | 19.58 | 202  | 1030507  | 23.76 | ng/ul  | 98       |
| 78) Butylbenzylphthalate       | 20.47 | 149  | 471289   | 26.17 | ng/ul  | 99       |
| 79) 3,3'-Dichlorobenzidine     | 21.26 | 252  | 296423   | 22.05 | ng/ul  | 100      |
| 80) Benzo(a)anthracene         | 21.33 | 228  | 902530   | 20.98 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.25 | 149  | 618650   | 24.73 | ng/ul# | 98       |
| 82) Chrysene                   | 21.39 | 228  | 860567   | 21.09 | ng/ul  | 100      |
| 84) Di-n-octyl phthalate       | 22.13 | 149  | 988141   | 27.64 | ng/ul  | 99       |
| 85) Benzo(b)fluoranthene       | 22.93 | 252  | 799128   | 22.33 | ng/ul  | 99       |
| 86) Benzo(k)fluoranthene       | 22.98 | 252  | 710948   | 21.10 | ng/ul  | 99       |
| 88) Benzo(a)pyrene             | 23.51 | 252  | 711425   | 21.02 | ng/ul  | 99       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.91 | 276  | 740127   | 20.04 | ng/ul  | 97       |
| 90) Dibenzo(a,h)anthracene     | 25.91 | 278  | 627545   | 20.31 | ng/ul  | 97       |
| 91) Benzo(g,h,i)perylene       | 26.61 | 276  | 626457   | 20.03 | ng/ul  | 98       |

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

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| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.76  | 152  | 115496   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.55 | 136  | 551013   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.40 | 164  | 351891   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.16 | 188  | 834042   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.34 | 240  | 747722   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.61 | 264  | 612165   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.26  | 96  | 17639  | 7.18  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.93  | 99  | 211837 | 20.22 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.09  | 67  | 119408 | 19.98 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.29  | 132 | 164153 | 20.75 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.47  | 113 | 179457 | 20.73 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.92  | 128 | 86578  | 22.01 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.64  | 143 | 101628 | 22.82 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.17 | 165 | 179566 | 21.69 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.69 | 131 | 243116 | 24.40 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.82 | 166 | 590999 | 20.95 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.10 | 160 | 699462 | 21.14 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.62 | 143 | 106522 | 20.69 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.40 | 176 | 499714 | 20.52 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.53 | 200 | 111144 | 23.69 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.25 | 188 | 781450 | 21.20 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.55 | 212 | 819982 | 23.76 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.47 | 264 | 572408 | 21.12 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       | Qvalue    |
|--------------------------------|-------|-----|--------|-------|-----------|
| 2) 1,4-Dioxane                 | 3.29  | 88  | 32355  | 7.22  | ng/uL 96  |
| 4) Benzaldehyde                | 6.90  | 77  | 133177 | 26.24 | ng/ul 97  |
| 6) Phenol                      | 6.96  | 94  | 220123 | 20.33 | ng/ul 99  |
| 8) Bis(2-Chloroethyl)ether     | 7.19  | 93  | 163401 | 20.05 | ng/ul 98  |
| 10) 2-Chlorophenol             | 7.33  | 128 | 165457 | 20.45 | ng/ul 98  |
| 11) 2-Methylphenol             | 8.20  | 108 | 170695 | 20.40 | ng/ul 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.29  | 45  | 225840 | 20.43 | ng/ul 99  |
| 14) Acetophenone               | 8.58  | 105 | 271815 | 21.19 | ng/ul 99  |
| 15) N-Nitroso-di-n-propylamine | 8.57  | 70  | 141949 | 21.18 | ng/ul 99  |
| 16) 4-Methylphenol             | 8.53  | 108 | 190667 | 20.53 | ng/ul 98  |
| 17) Hexachloroethane           | 8.83  | 117 | 64846  | 21.29 | ng/ul 95  |
| 20) Nitrobenzene               | 8.96  | 77  | 208054 | 21.12 | ng/ul 96  |
| 21) Isophorone                 | 9.48  | 82  | 414298 | 21.66 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.67  | 139 | 106338 | 22.16 | ng/ul 98  |
| 24) 2,4-Dimethylphenol         | 9.73  | 107 | 218114 | 21.42 | ng/ul 98  |
| 25) Bis(2-Chloroethoxy)methane | 9.96  | 93  | 238500 | 20.02 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 10.20 | 162 | 180937 | 21.34 | ng/ul 99  |
| 28) Naphthalene                | 10.60 | 128 | 566276 | 20.43 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.71 | 127 | 243797 | 23.99 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 10.87 | 225 | 111638 | 22.16 | ng/ul 99  |
| 32) Caprolactam                | 11.49 | 113 | 68690m | 21.75 | ng/ul 97  |
| 33) 4-Chloro-3-methylphenol    | 11.85 | 107 | 223786 | 22.02 | ng/ul 98  |
| 34) 2-Methylnaphthalene        | 12.21 | 142 | 427632 | 20.62 | ng/ul 97  |

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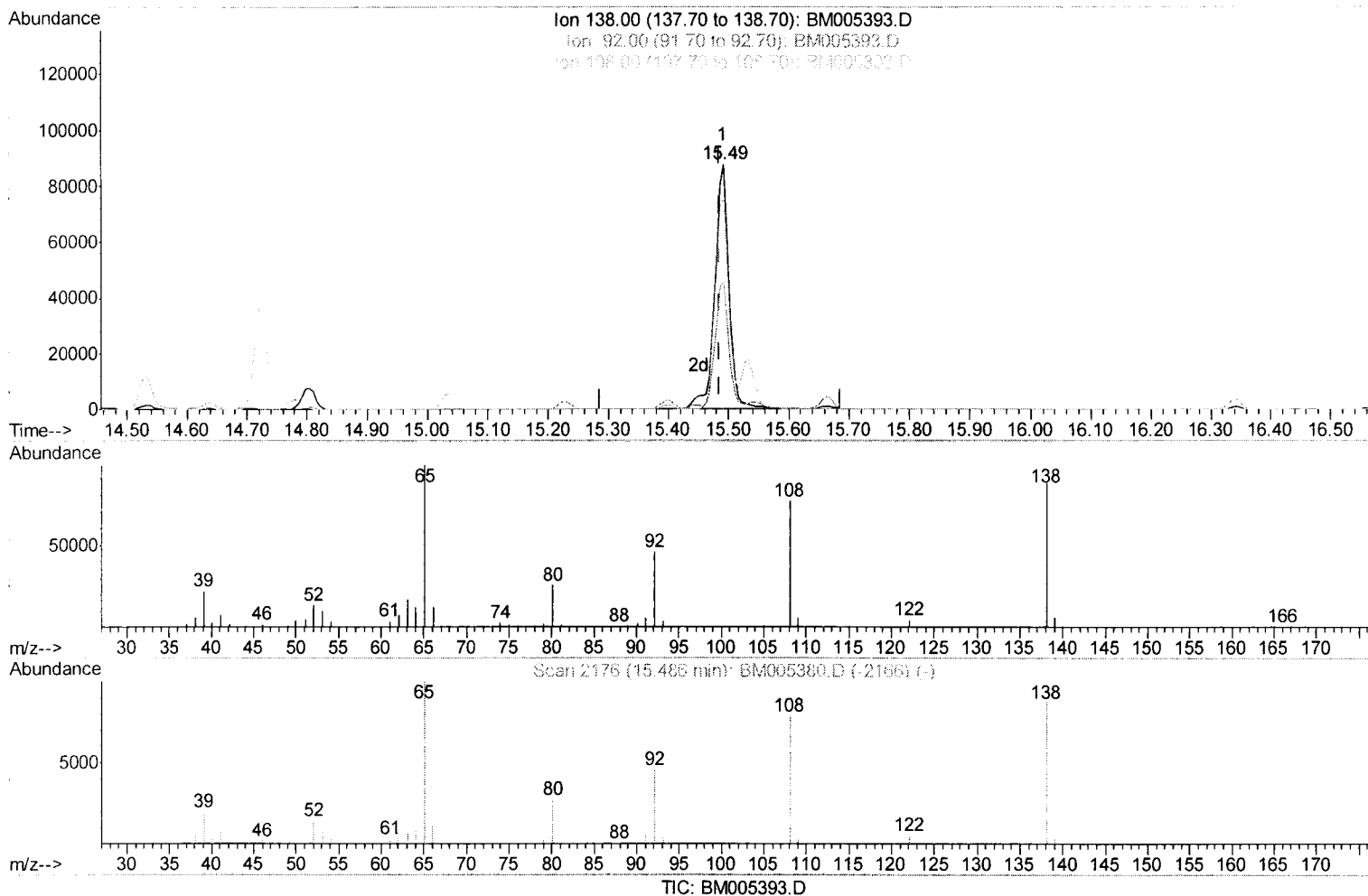
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 12 03:33:11 2016  
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(60) 4-Nitroaniline

15.492min (+0.006) 22.90ng/ul m

response 143799

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 138.00 | 100   | 100   |
| 92.00  | 55.40 | 52.22 |
| 108.00 | 82.90 | 87.48 |
| 0.00   | 0.00  | 0.00  |

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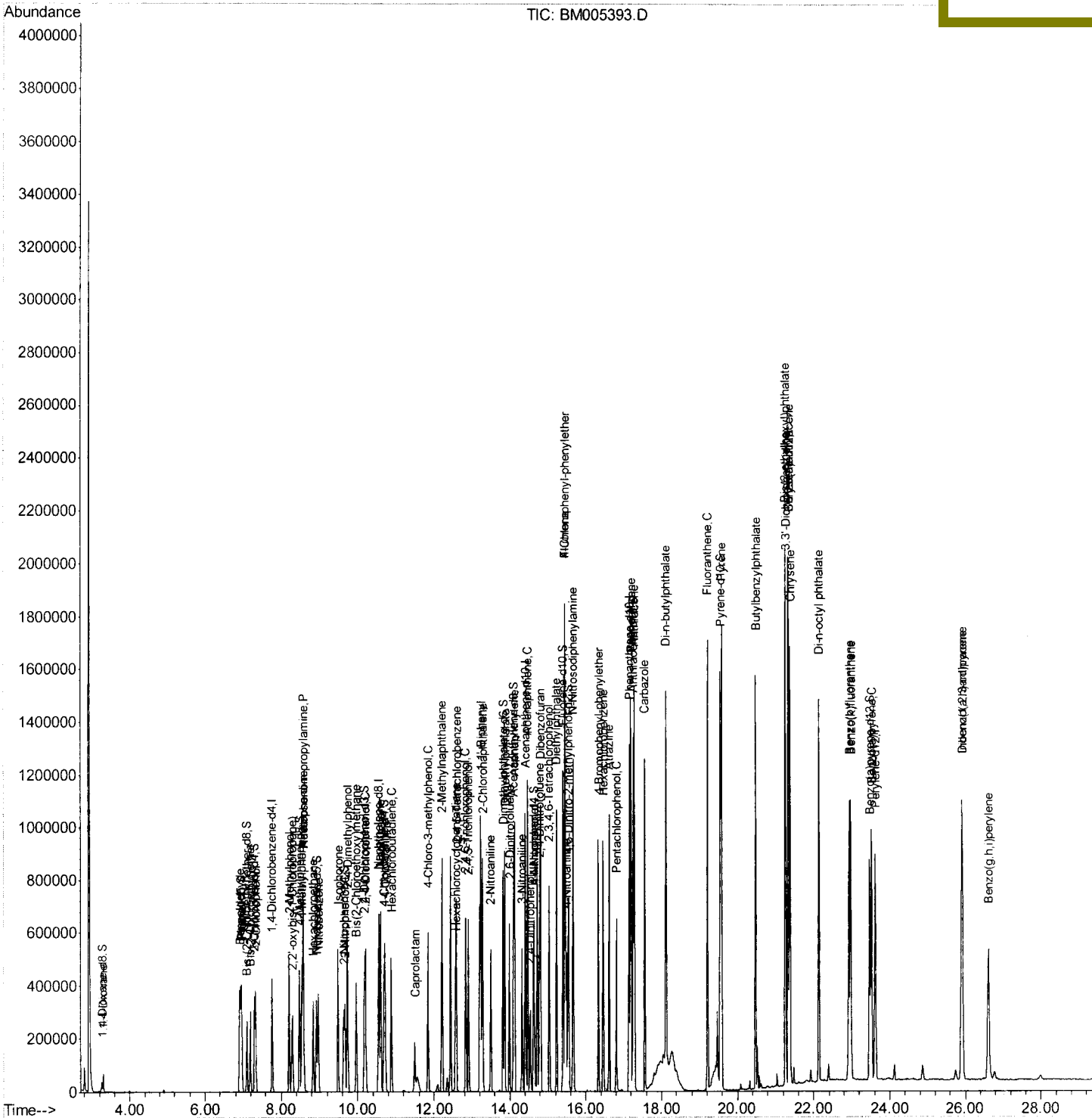
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Misc      :
ALS Vial  : 2      Sample Multiplier: 1
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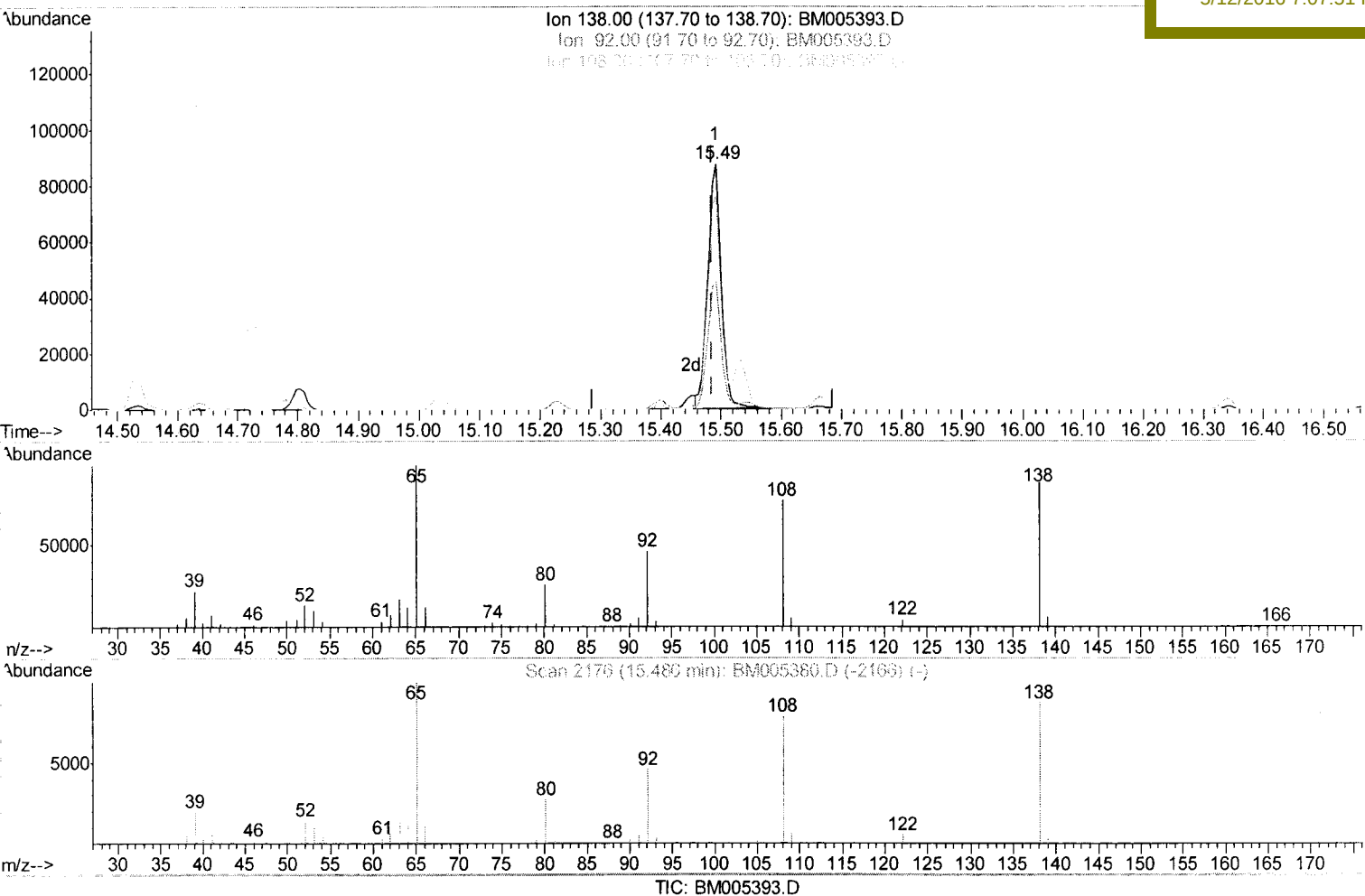
Misc :  
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(60) 4-Nitroaniline

15.492min (+0.006) 21.56ng/ul

response 135421

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 138.00 | 100   | 100   |
| 92.00  | 55.40 | 52.22 |
| 108.00 | 82.90 | 87.48 |
| 0.00   | 0.00  | 0.00  |

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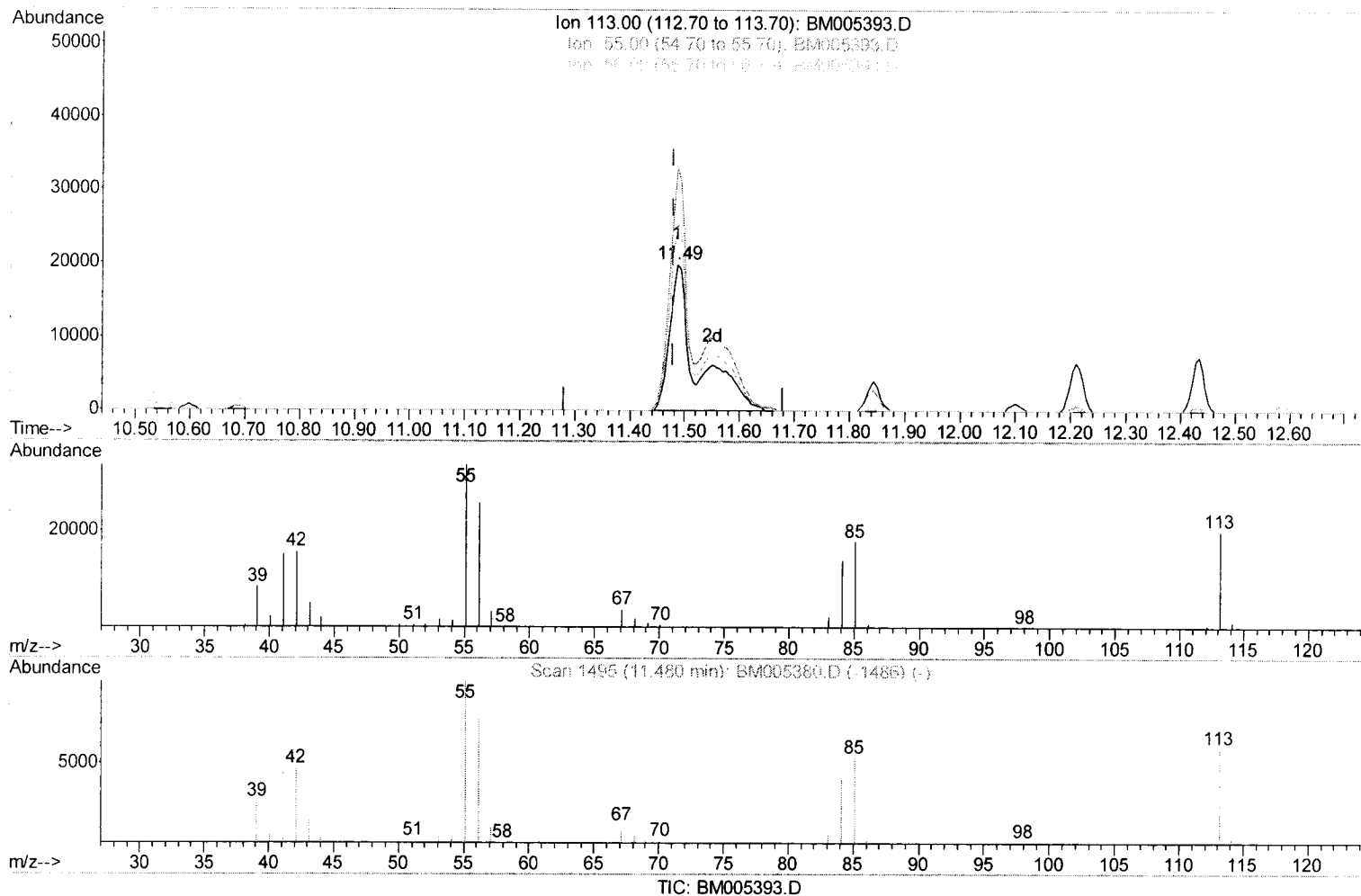
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(32) Caprolactam

11.486min (+0.006) 21.75ng/ul m

response 68690

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100    | 100    |
| 55.00  | 168.20 | 166.04 |
| 56.00  | 120.80 | 127.79 |
| 0.00   | 0.00   | 0.00   |

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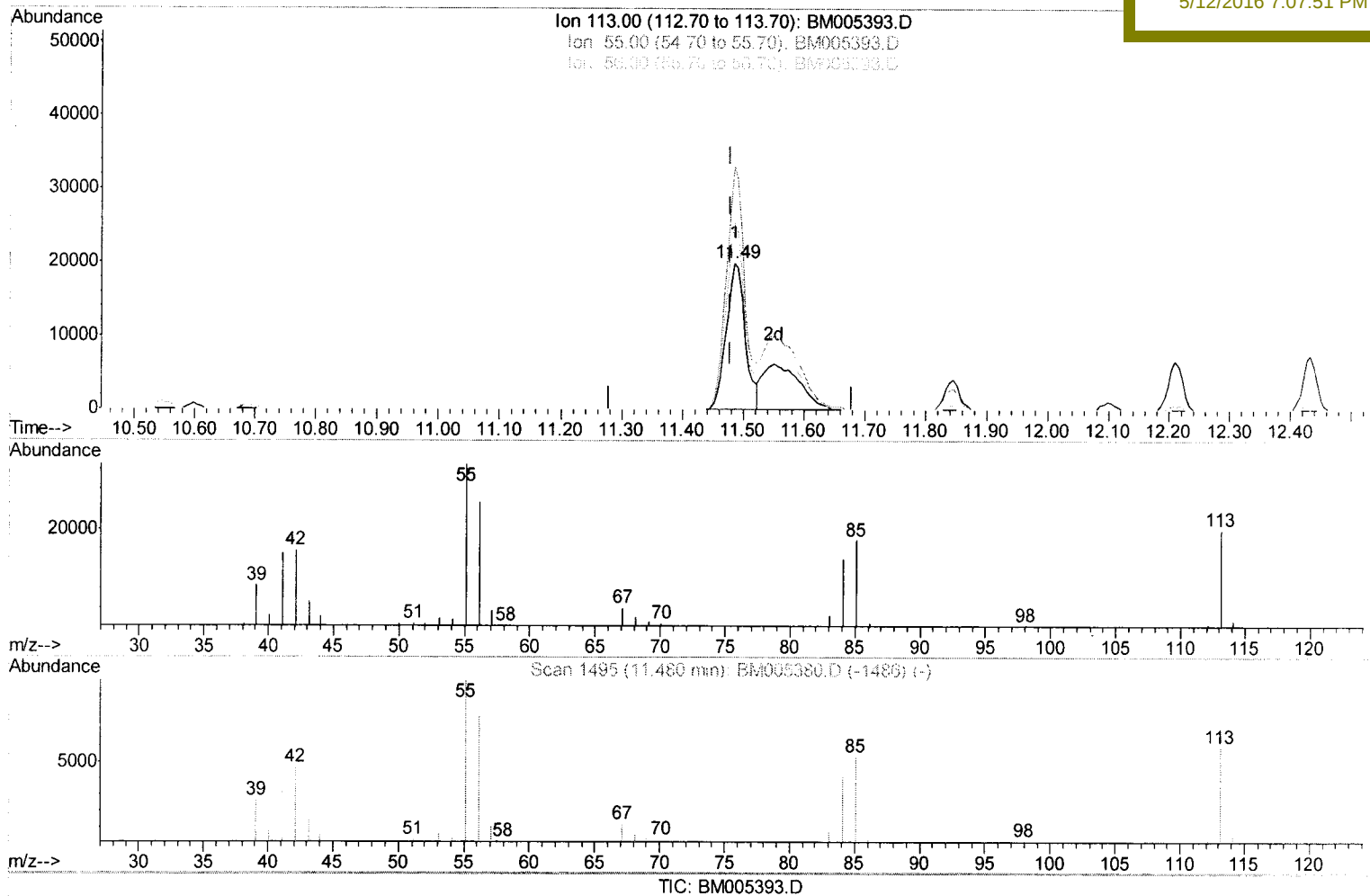
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(32) Caprolactam

11.486min (+0.006) 13.49ng/ul

response 42617

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100    | 100    |
| 55.00  | 168.20 | 166.04 |
| 56.00  | 120.80 | 127.79 |
| 0.00   | 0.00   | 0.00   |