

(QT Reviewed)

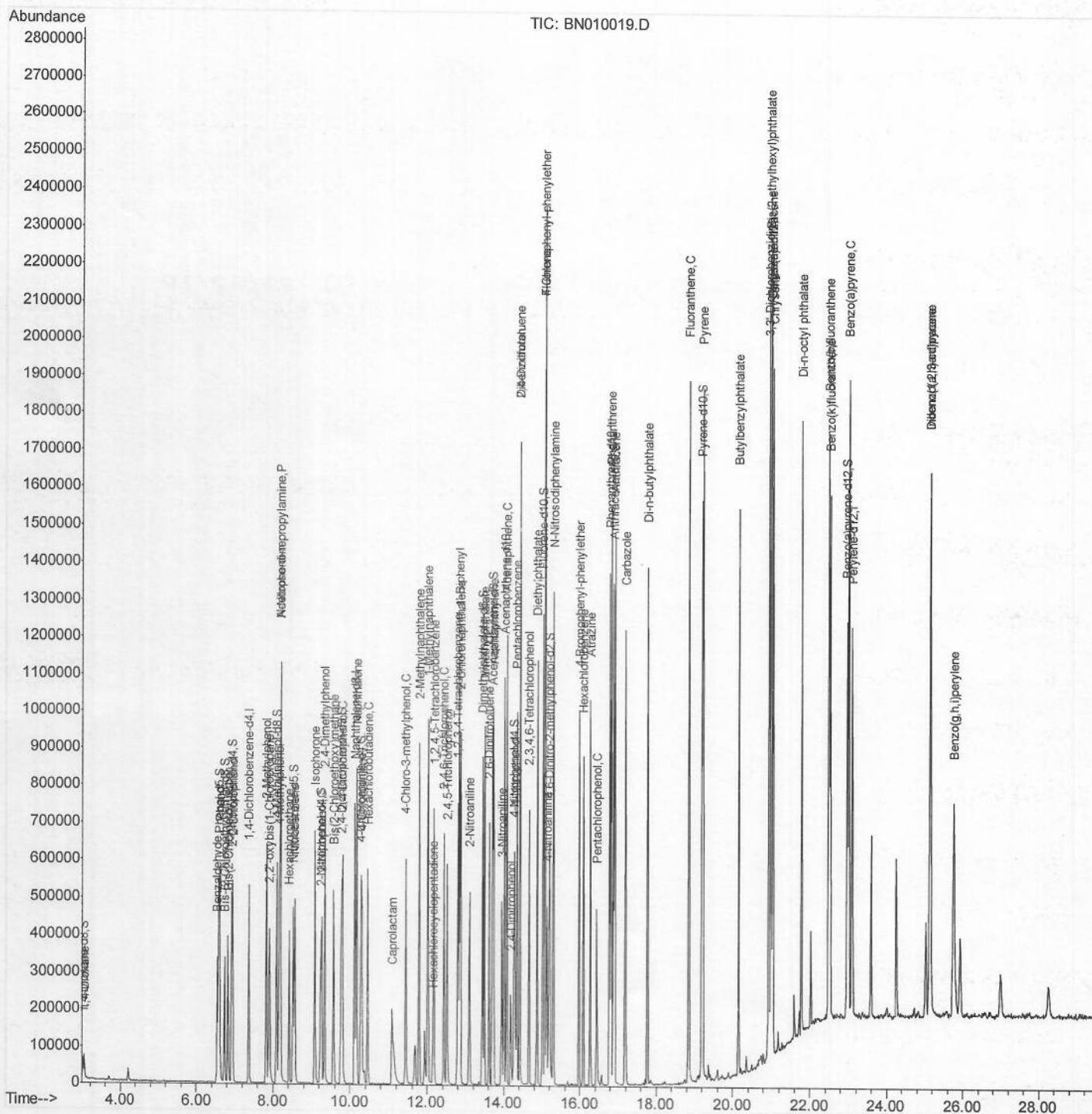
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\  
Data File : BN010019.D  
Acq On : 29 Feb 2020 11:42  
Operator : CG/JU  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 39 Sample Multiplier: 1

**Instrument :**  
BNA\_N  
**LabSampleId :**  
SSTD02099

Quant Time: Mar 02 06:16:00 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN021220MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Feb 29 01:38:10 2020  
Response via : Initial Calibration

## Manual Integrations

mohammad  
3/3/2020 5:00:14 PM



# Quantitation Report (Qedit)

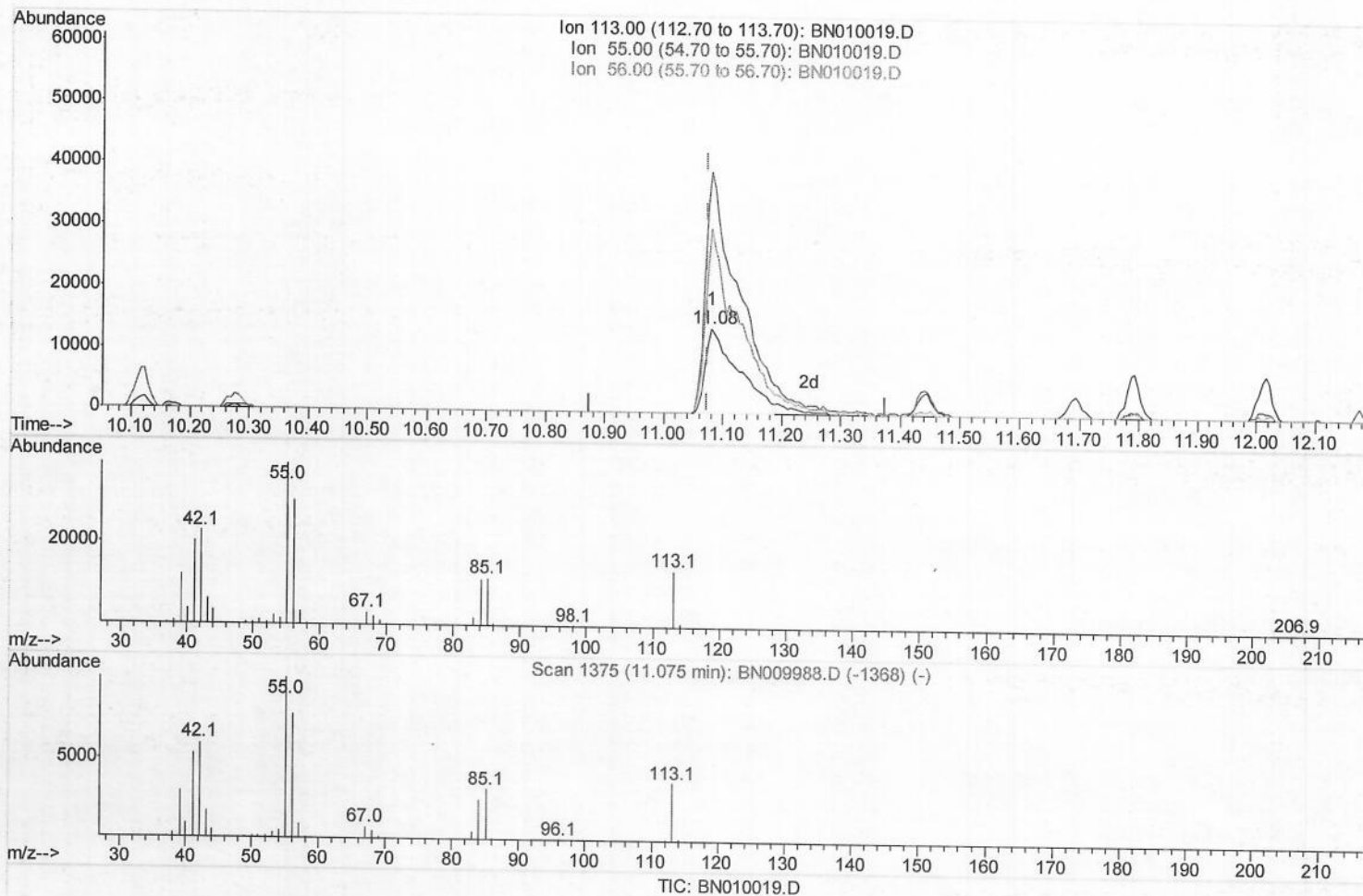
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(32) Caprolactam

11.081min (+0.006) 19.85ng/ul

response 54218

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100    | 100    |
| 55.00  | 261.40 | 281.67 |
| 56.00  | 202.00 | 216.85 |
| 0.00   | 0.00   | 0.00   |



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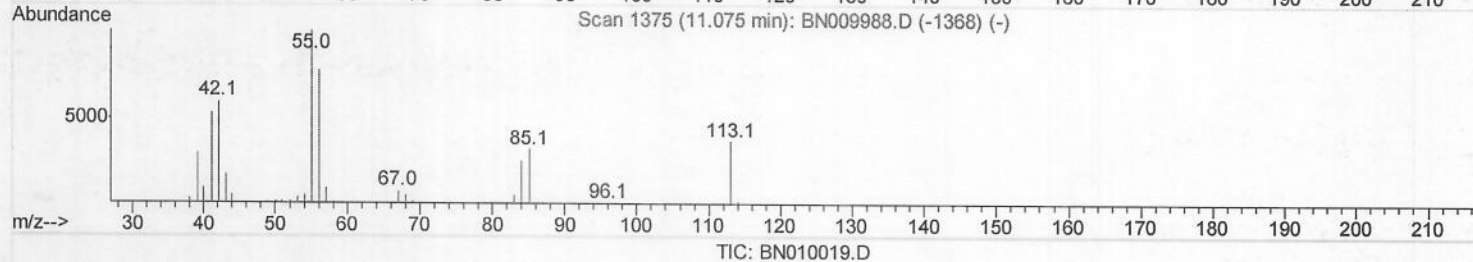
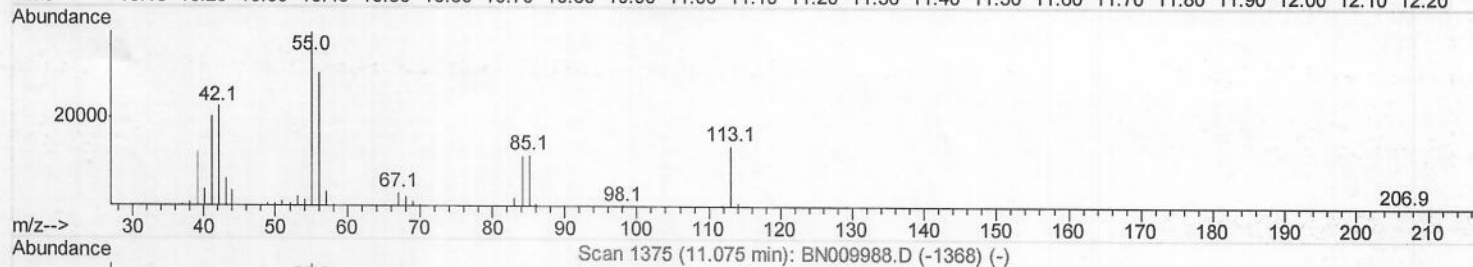
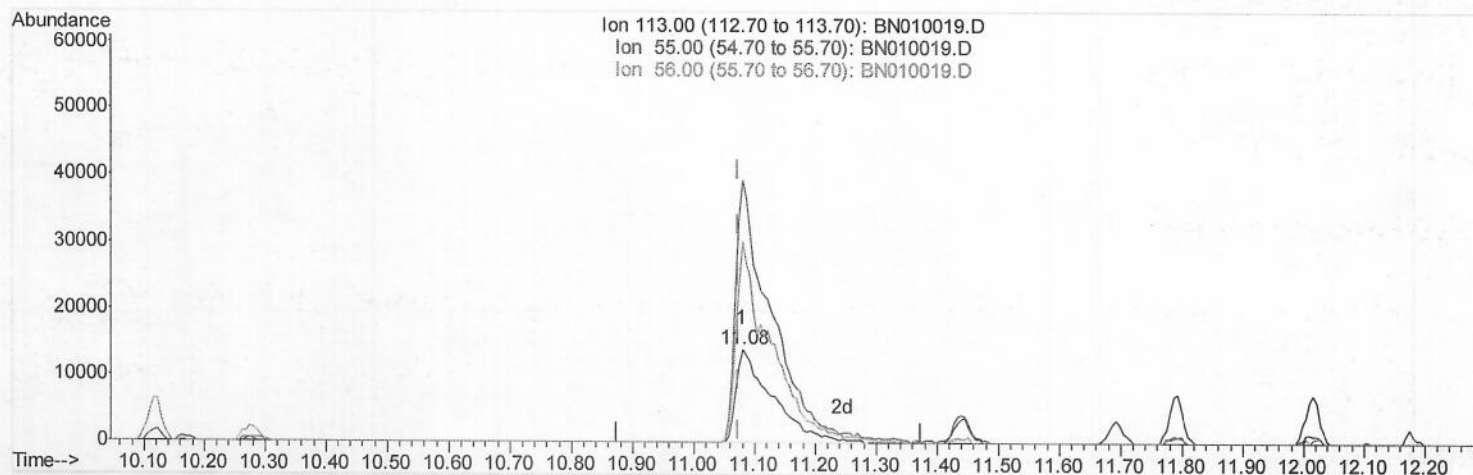
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(32) Caprolactam

11.081min (+0.006) 21.33ng/ul m) 30 03/04/20

response 58252

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100    | 100    |
| 55.00  | 261.40 | 281.67 |
| 56.00  | 202.00 | 216.85 |
| 0.00   | 0.00   | 0.00   |

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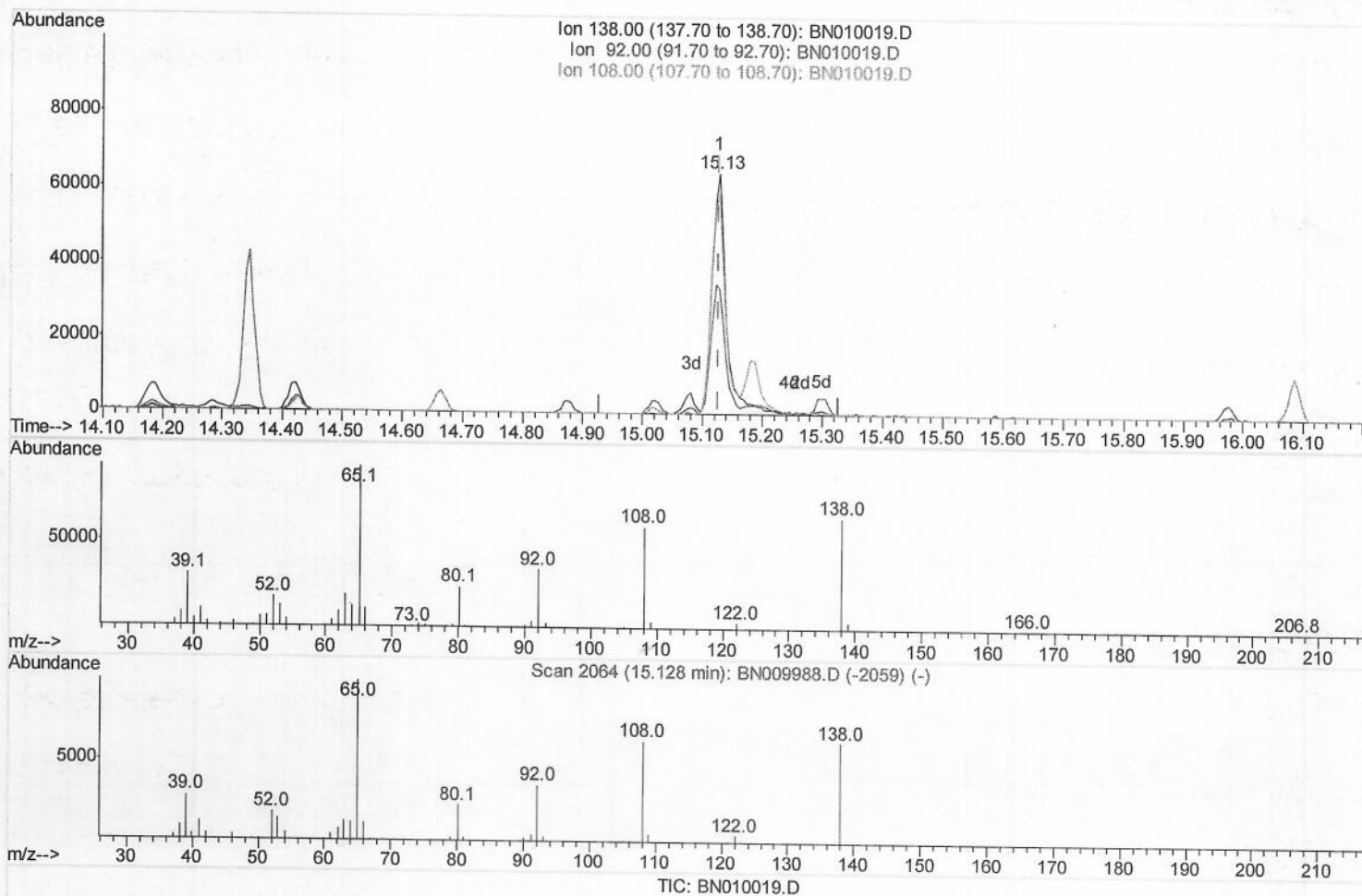
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(61) 4-Nitroaniline

15.128min (0.000) 18.40ng/ul

response 102102

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 138.00 | 100   | 100   |
| 92.00  | 59.70 | 52.30 |
| 108.00 | 90.40 | 91.12 |
| 0.00   | 0.00  | 0.00  |

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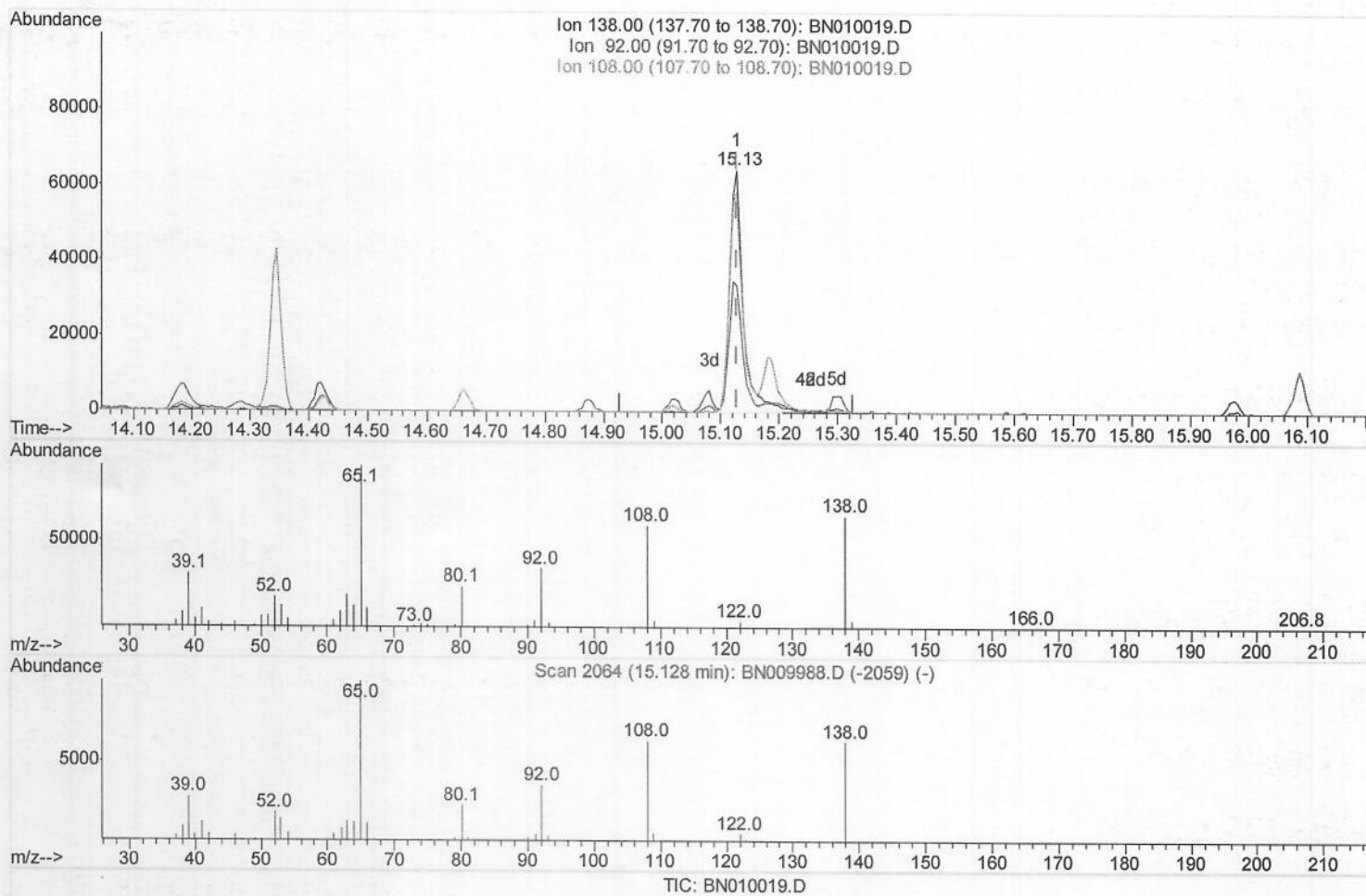
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ALS Vial : 39 Sample Multiplier: 1

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(61) 4-Nitroaniline

15.128min (0.000) 20.51ng/ul m >SV 03/04/20

response 113779

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 138.00 | 100   | 100   |
| 92.00  | 59.70 | 52.30 |
| 108.00 | 90.40 | 91.12 |
| 0.00   | 0.00  | 0.00  |



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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 35) 1-Methylnaphthalene        | 12.02 | 142  | 405131   | 20.575 | ng/uL | 98       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.17 | 216  | 201612   | 21.059 | ng/uL | 97       |
| 38) Hexachlorocyclopentadiene  | 12.15 | 237  | 25283    | 6.104  | ng/uL | 94       |
| 39) 2,4,6-Trichlorophenol      | 12.43 | 196  | 131691   | 21.673 | ng/uL | 99       |
| 40) 2,4,5-Trichlorophenol      | 12.52 | 196  | 143621   | 22.032 | ng/uL | 98       |
| 41) 1,1'-Biphenyl              | 12.83 | 154  | 513016   | 20.680 | ng/uL | 99       |
| 42) 2-Chloronaphthalene        | 12.87 | 162  | 412224   | 20.923 | ng/uL | 99       |
| 43) 2-Nitroaniline             | 13.10 | 65   | 166556   | 23.117 | ng/uL | 99       |
| 45) Dimethylphthalate          | 13.49 | 163  | 517518   | 20.557 | ng/uL | 99       |
| 46) 2,6-Dinitrotoluene         | 13.62 | 165  | 106316   | 21.573 | ng/uL | 97       |
| 48) Acenaphthylene             | 13.73 | 152  | 653599   | 21.252 | ng/uL | 99       |
| 49) 3-Nitroaniline             | 13.95 | 138  | 100797   | 22.154 | ng/uL | 91       |
| 50) Acenaphthene               | 14.08 | 153  | 440201   | 20.880 | ng/uL | 98       |
| 51) 2,4-Dinitrophenol          | 14.18 | 184  | 44379    | 15.686 | ng/uL | 97       |
| 53) 4-Nitrophenol              | 14.29 | 109  | 78181    | 19.664 | ng/uL | 90       |
| 54) Dibenzofuran               | 14.42 | 168  | 614466   | 20.765 | ng/uL | 98       |
| 55) 2,4-Dinitrotoluene         | 14.43 | 165  | 157856   | 21.612 | ng/uL | 93       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.66 | 232  | 121555   | 21.688 | ng/uL | 99       |
| 57) Diethylphthalate           | 14.87 | 149  | 527085   | 20.390 | ng/uL | 99       |
| 59) Fluorene                   | 15.07 | 166  | 517276   | 20.829 | ng/uL | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.08 | 204  | 252974   | 20.654 | ng/uL | 99       |
| 61) 4-Nitroaniline             | 15.13 | 138  | 113779m  | 20.507 | ng/uL | 99       |
| 64) 4,6-Dinitro-2-methylphenol | 15.20 | 198  | 80980    | 16.858 | ng/uL | 97       |
| 65) N-Nitrosodiphenylamine     | 15.30 | 169  | 427752   | 20.083 | ng/uL | 99       |
| 66) 4-Bromophenyl-phenylether  | 15.97 | 248  | 146117   | 20.342 | ng/uL | 95       |
| 67) Hexachlorobenzene          | 16.09 | 284  | 158557   | 19.949 | ng/uL | 96       |
| 68) Atrazine                   | 16.27 | 200  | 144972   | 17.943 | ng/uL | 96       |
| 69) Pentachlorophenol          | 16.45 | 266  | 75269    | 16.387 | ng/uL | 93       |
| 70) Phenanthrene               | 16.82 | 178  | 842236   | 20.559 | ng/uL | 98       |
| 72) Anthracene                 | 16.91 | 178  | 827792   | 19.766 | ng/uL | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.79 | 216  | 205408   | 19.586 | ng/uL | 91       |
| 74) Pentachlorobenzene         | 14.35 | 250  | 193038   | 19.087 | ng/uL | 94       |
| 75) Carbazole                  | 17.19 | 167  | 714051   | 19.361 | ng/uL | 99       |
| 76) Di-n-butylphthalate        | 17.77 | 149  | 865359   | 19.010 | ng/uL | 99       |
| 77) Fluoranthene               | 18.85 | 202  | 1088453  | 22.682 | ng/uL | 99       |
| 80) Pyrene                     | 19.22 | 202  | 1082845  | 22.210 | ng/uL | 98       |
| 81) Butylbenzylphthalate       | 20.15 | 149  | 380078   | 18.963 | ng/uL | 95       |
| 82) 3,3'-Dichlorobenzidine     | 20.93 | 252  | 230764   | 15.651 | ng/uL | 95       |
| 83) Benzo(a)anthracene         | 20.99 | 228  | 923631   | 19.874 | ng/uL | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 20.94 | 149  | 487723   | 15.938 | ng/uL | 94       |
| 85) Chrysene                   | 21.03 | 228  | 880789   | 19.251 | ng/uL | 98       |
| 87) Di-n-octyl phthalate       | 21.79 | 149  | 886396   | 18.530 | ng/uL | 100      |
| 88) Benzo(b)fluoranthene       | 22.49 | 252  | 840498   | 20.512 | ng/uL | 99       |
| 89) Benzo(k)fluoranthene       | 22.53 | 252  | 820390   | 21.144 | ng/uL | 98       |
| 91) Benzo(a)pyrene             | 23.01 | 252  | 761924   | 20.674 | ng/uL | 100      |
| 92) Indeno(1,2,3-cd)pyrene     | 25.14 | 276  | 847446   | 19.367 | ng/uL | 97       |
| 93) Dibenzo(a,h)anthracene     | 25.14 | 278  | 738858   | 19.739 | ng/uL | 96       |
| 94) Benzo(a,h,i)perylene       | 25.76 | 276  | 611234   | 16.660 | ng/uL | 98       |

JV  
 03/04/20



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|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.37  | 152  | 123193   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.12 | 136  | 524615   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.02 | 164  | 322995   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.77 | 188  | 717841   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.00 | 240  | 676265   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.10 | 264  | 632006   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.02  | 96  | 20697  | 6.91  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.58  | 99  | 221344 | 21.12 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.73  | 67  | 149750 | 20.71 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 6.92  | 132 | 172323 | 21.84 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.09  | 113 | 176409 | 21.16 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.52  | 128 | 81619  | 21.26 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.23  | 143 | 96892  | 23.08 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.76  | 165 | 172220 | 21.34 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.28 | 131 | 201602 | 22.23 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.45 | 166 | 503715 | 20.88 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.70 | 160 | 605844 | 21.32 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.27 | 143 | 82234  | 18.66 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.02 | 176 | 447297 | 21.47 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.19 | 200 | 75987  | 17.04 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 16.87 | 188 | 668121 | 20.30 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.19 | 212 | 701395 | 19.84 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 22.97 | 264 | 689002 | 21.83 | ng/ul | 0.00 |

## Target Compounds

|                                 |       |     |         |        | Ovalue   |
|---------------------------------|-------|-----|---------|--------|----------|
| 2) 1,4-Dioxane                  | 3.05  | 88  | 23109   | 6.716  | ng/uL 98 |
| 4) Benzaldehyde                 | 6.55  | 77  | 112941  | 16.208 | ng/ul 92 |
| 6) Phenol                       | 6.61  | 94  | 232763  | 20.729 | ng/ul 98 |
| 8) Bis-(2-Chloroethyl)ether     | 6.82  | 93  | 176885  | 20.042 | ng/ul 96 |
| 10) 2-Chlorophenol              | 6.95  | 128 | 177959  | 21.416 | ng/ul 97 |
| 11) 2-Methylphenol              | 7.83  | 108 | 174026  | 21.179 | ng/ul 96 |
| 12) 2,2'-oxybis(1-Chloropropan  | 7.90  | 45  | 448440  | 20.727 | ng/ul 99 |
| 14) Acetophenone                | 8.19  | 105 | 280749  | 20.670 | ng/ul 99 |
| 15) N-Nitroso-di-n-propylamine  | 8.18  | 70  | 155056  | 21.848 | ng/ul 98 |
| 16) 4-Methylphenol              | 8.16  | 108 | 187226  | 20.765 | ng/ul 97 |
| 17) Hexachloroethane            | 8.42  | 117 | 73204   | 19.364 | ng/ul 97 |
| 20) Nitrobenzene                | 8.56  | 77  | 236791  | 20.937 | ng/ul 97 |
| 21) Isophorone                  | 9.08  | 82  | 414083  | 20.804 | ng/ul 99 |
| 23) 2-Nitrophenol               | 9.26  | 139 | 100952  | 21.488 | ng/ul 99 |
| 24) 2,4-Dimethylphenol          | 9.33  | 107 | 213258  | 20.906 | ng/ul 97 |
| 25) Bis-(2-Chloroethoxy)methane | 9.56  | 93  | 246427  | 20.258 | ng/ul 99 |
| 27) 2,4-Dichlorophenol          | 9.79  | 162 | 168428  | 20.682 | ng/ul 92 |
| 28) Naphthalene                 | 10.17 | 128 | 573778  | 20.282 | ng/ul 99 |
| 30) 4-Chloroaniline             | 10.30 | 127 | 212454  | 22.877 | ng/ul 96 |
| 31) Hexachlorobutadiene         | 10.45 | 225 | 105678  | 19.404 | ng/ul 94 |
| 32) Caprolactam                 | 11.08 | 113 | 58252m) | 21.329 | ng/ul 99 |
| 33) 4-Chloro-3-methylphenol     | 11.44 | 107 | 197147  | 21.171 | ng/ul 99 |
| 34) 2-Methylnaphthalene         | 11.79 | 142 | 398588  | 20.291 | ng/ul 98 |

SV 03/04/20

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