

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN030719\

Data File : BN004640.D

Acc On : 07 Mar 2019 17:09

Operator : JU/SJ

Sample : SSTDCCC020

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 08 00:53:48 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN030719MA.M  
Quant Title : SVOA CALIBRATION

Quant Title : SVOA CALIBRATION

QLast Update : Fri Mar 08 00:36:35 2019

Response via : Initial Calibration

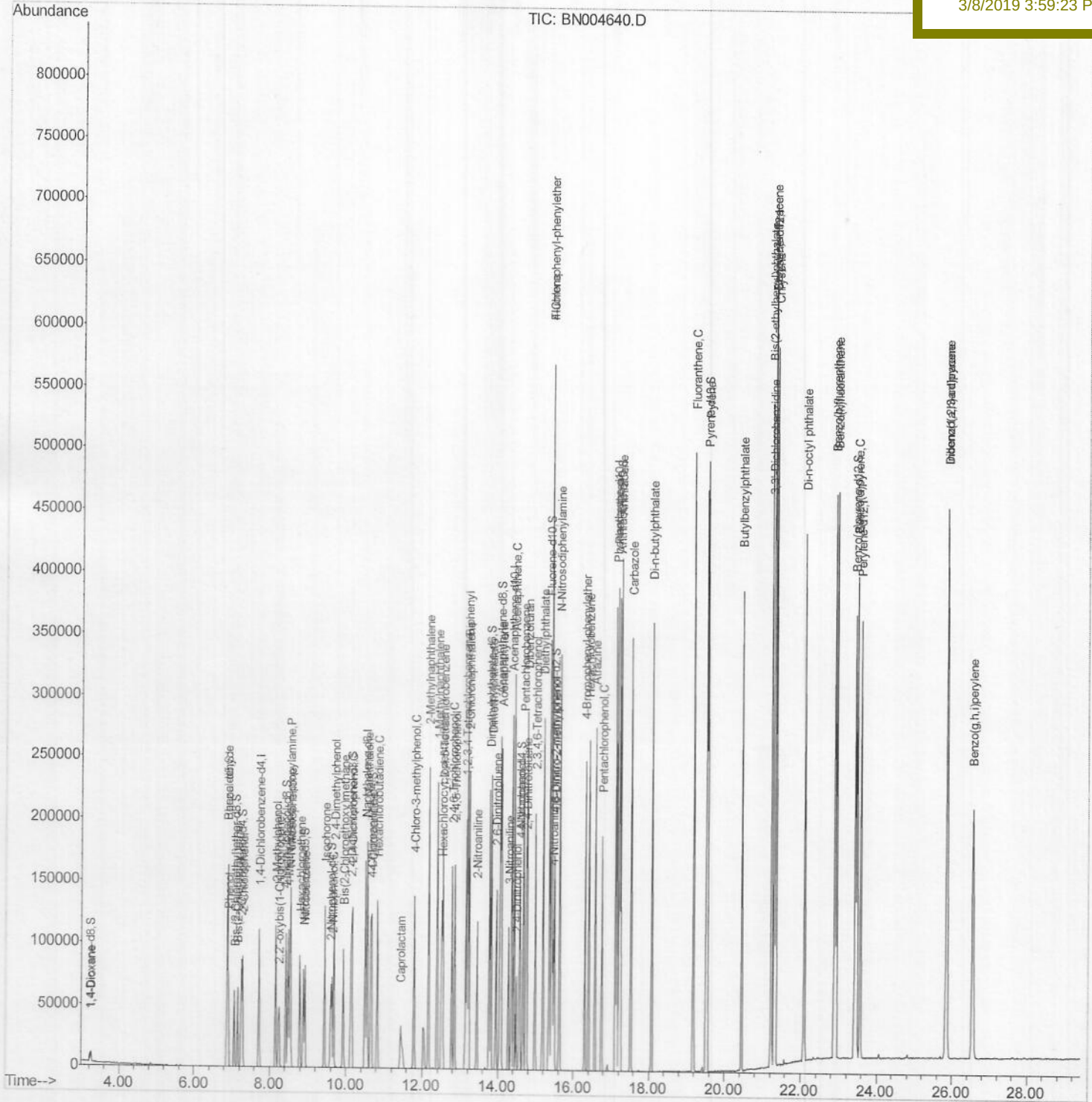
BNA\_N

SSTD02023

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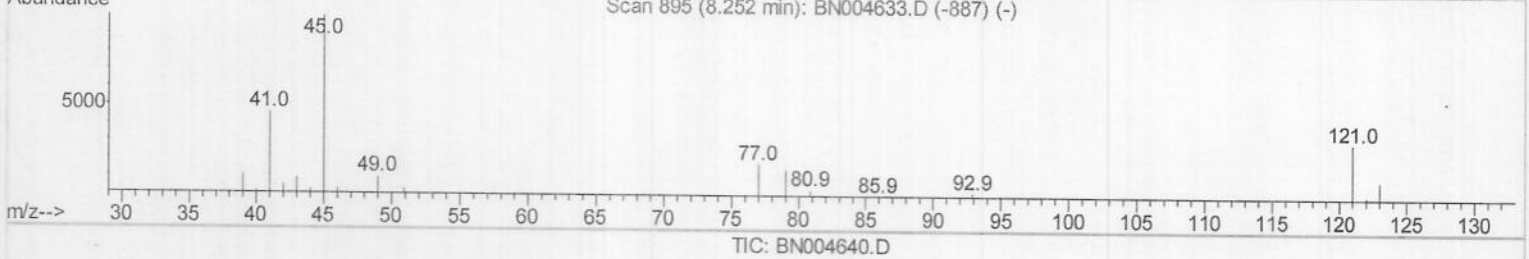
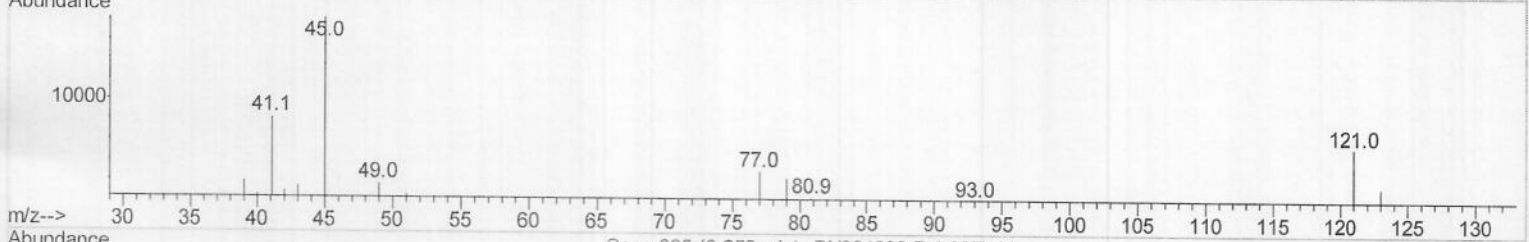
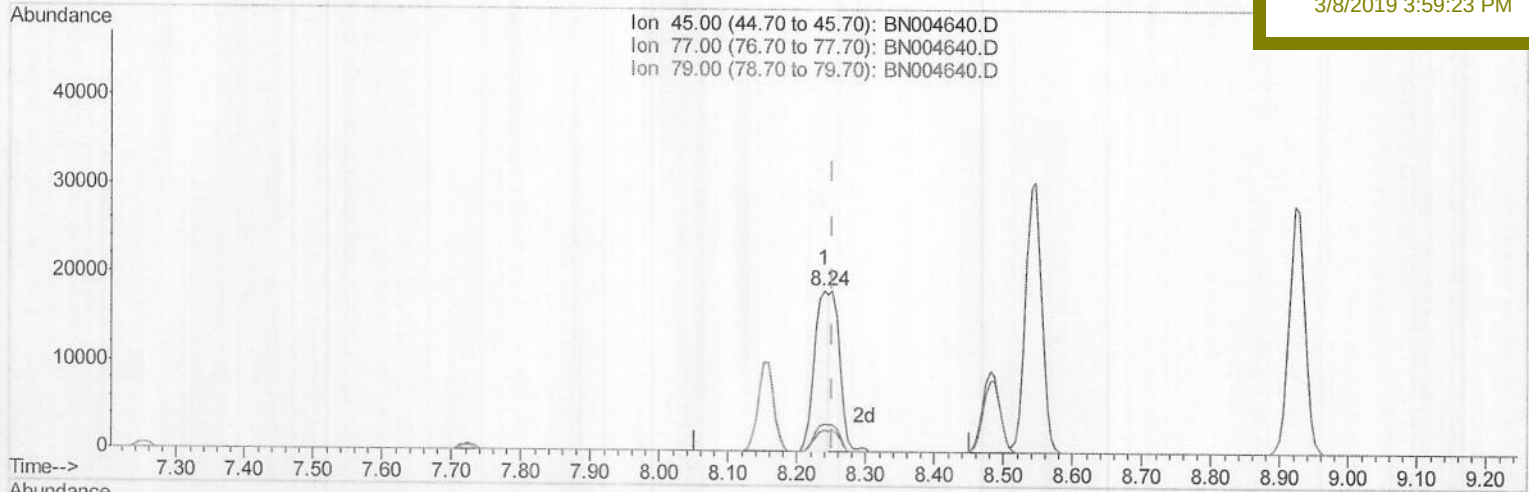
SSTD02023

Manual Integrations

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(12) 2,2'-oxybis(1-Chloropropane)

8.240min (-0.012) 12.55ng/ul

response 28290

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 45.00 | 100   | 100   |
| 77.00 | 17.60 | 17.21 |
| 79.00 | 13.50 | 13.43 |
| 0.00  | 0.00  | 0.00  |



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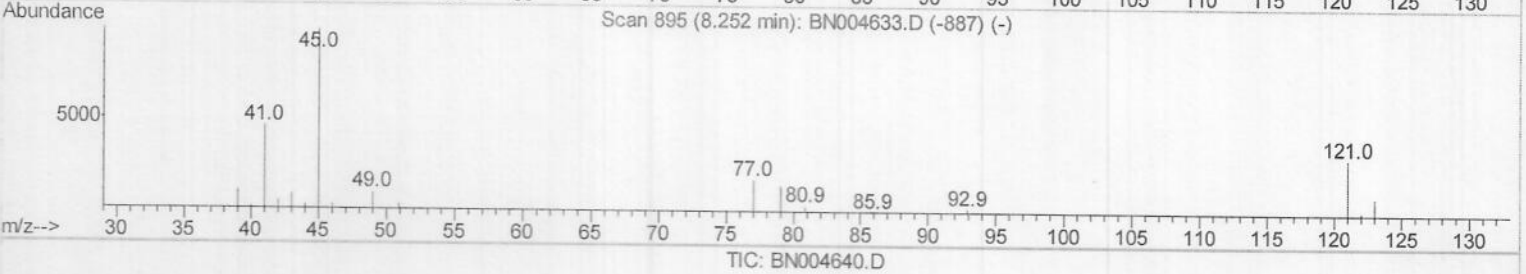
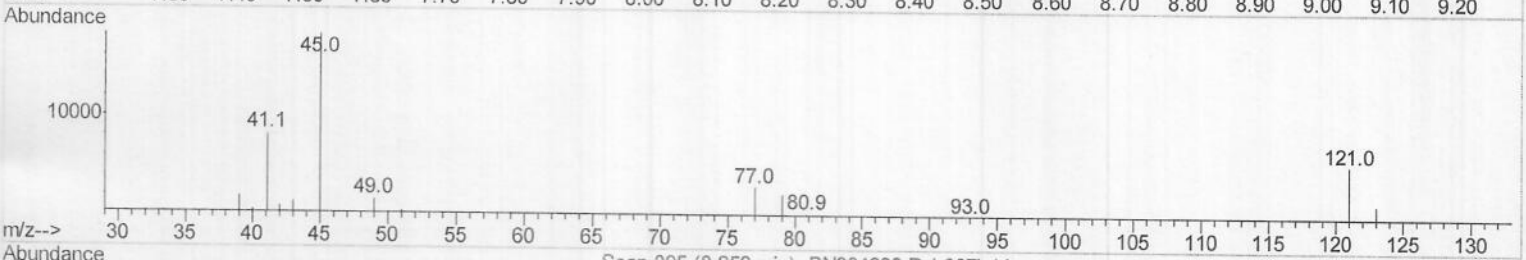
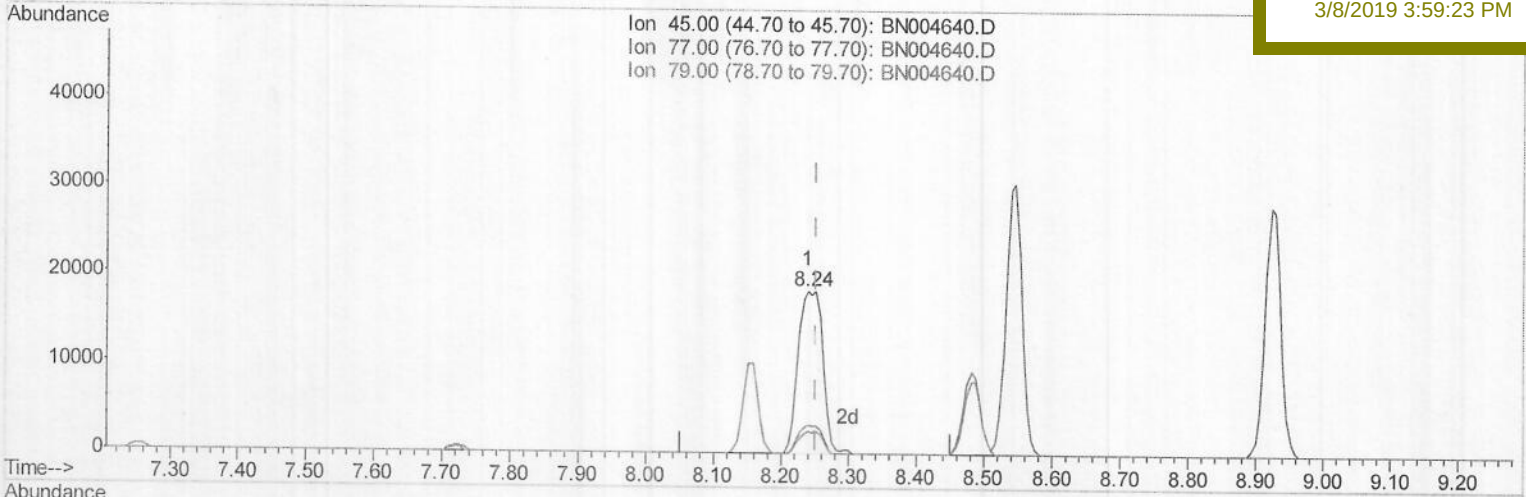
SSTD02023

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(12) 2,2'-oxybis(1-Chloropropane)

8.240min (-0.012) 20.15ng/ul m

response 45422

Ion Exp% Act%

45.00 100 100

77.00 17.60 17.21

79.00 13.50 13.43

0.00 0.00 0.00

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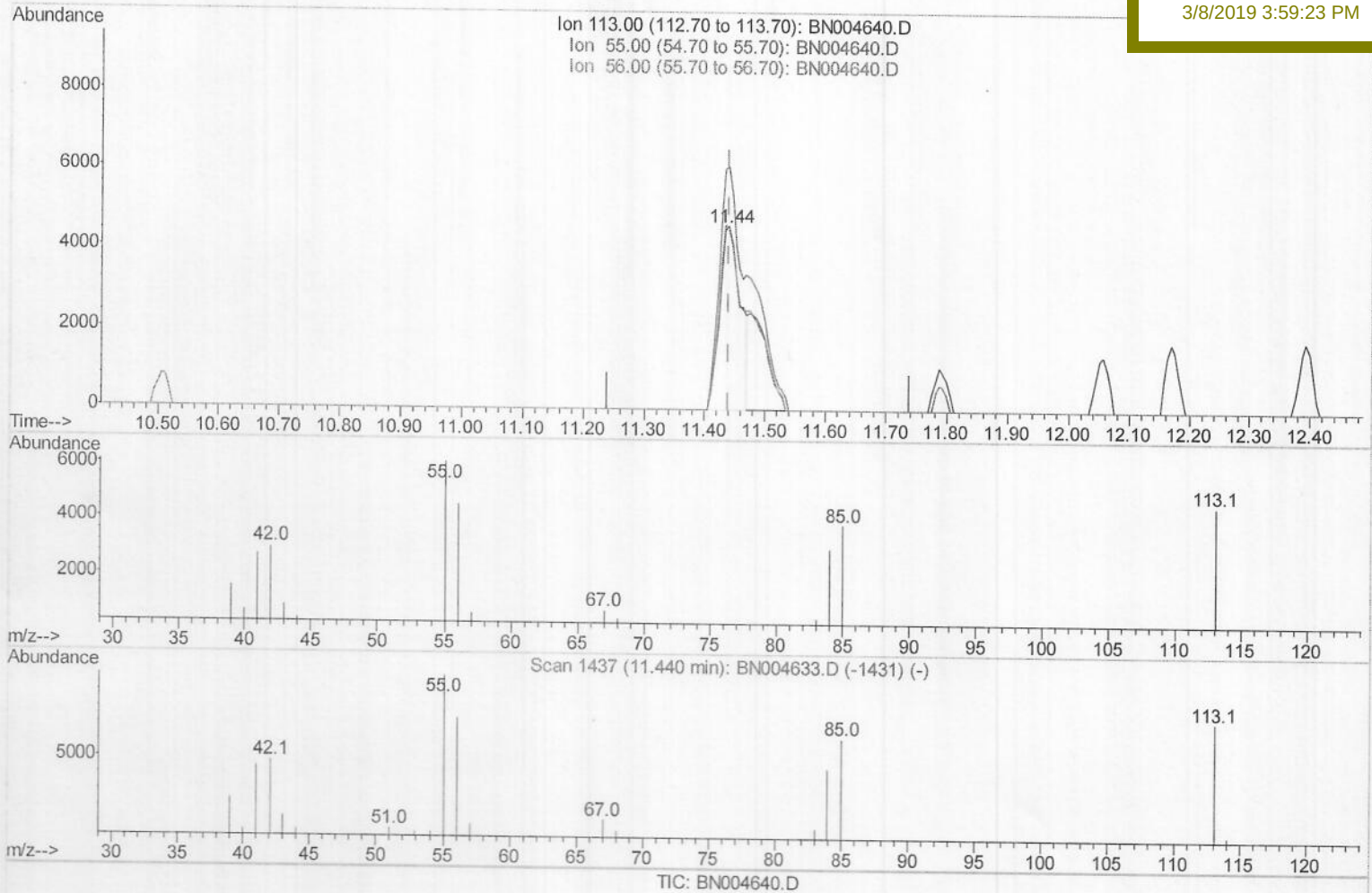
SSTD02023

Manual Integrations

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(32) Caprolactam

11.440min (+0.000) 13.31ng/ul

response 10921

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100    | 100    |
| 55.00  | 125.90 | 132.64 |
| 56.00  | 95.10  | 98.69  |
| 0.00   | 0.00   | 0.00   |

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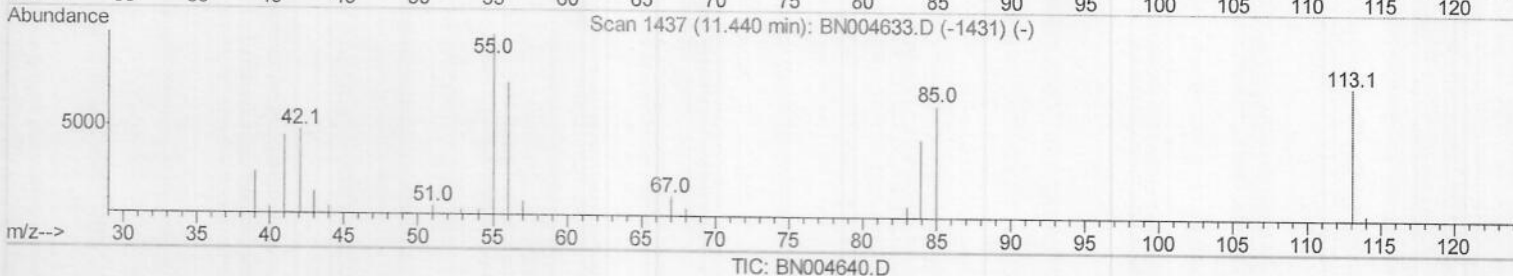
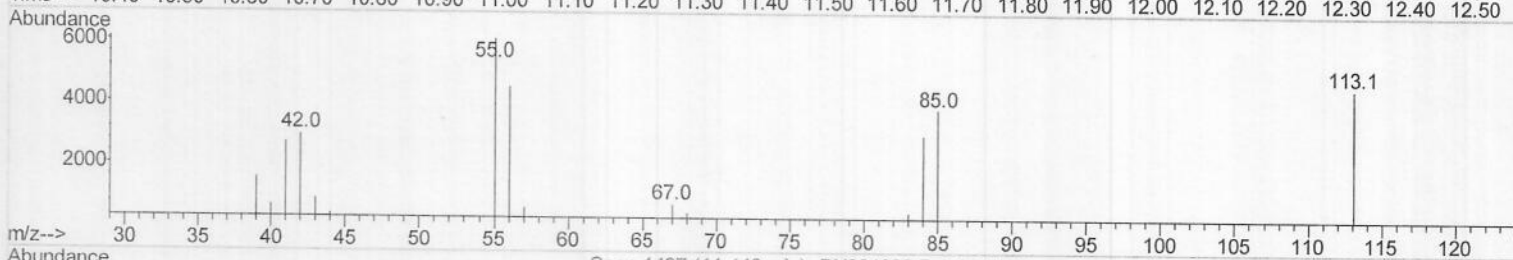
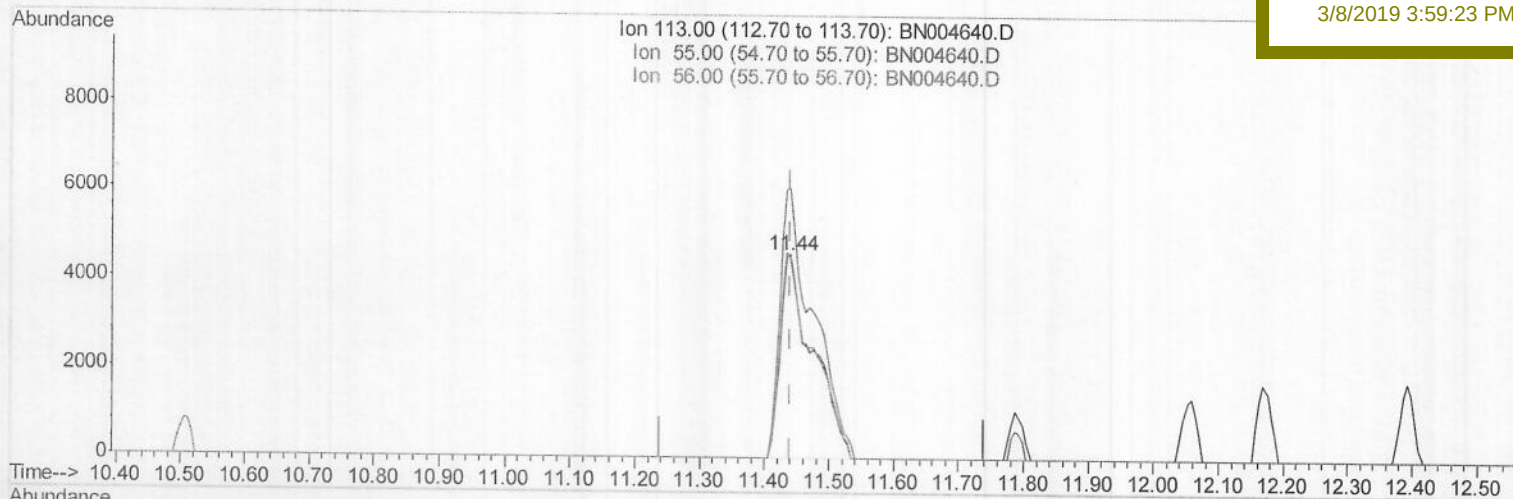
SSTD02023

Manual Integrations

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(32) Caprolactam

11.440min (+0.000) 19.64ng/ul m

response 16112

Ion Exp% Act%

113.00 100 100

55.00 125.90 132.64

56.00 95.10 98.69

0.00 0.00 0.00

SJ  
03/08/19



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Manual Integrations

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| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev (Min) |
|---------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.72  | 152  | 31577    | 20.00 | ng/ul | 0.00      |
| 18) Naphthalene-d8        | 10.50 | 136  | 149115   | 20.00 | ng/ul | 0.00      |
| 36) Acenaphthene-d10      | 14.36 | 164  | 94246    | 20.00 | ng/ul | 0.00      |
| 62) Phenanthrene-d10      | 17.11 | 188  | 224556   | 20.00 | ng/ul | 0.00      |
| 78) Chrysene-d12          | 21.31 | 240  | 260562   | 20.00 | ng/ul | 0.00      |
| 86) Perylene-d12          | 23.57 | 264  | 263101   | 20.00 | ng/ul | 0.00      |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.23  | 96  | 4445   | 7.94  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.88  | 99  | 49745  | 19.06 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl) ether-d | 7.06  | 67  | 26468  | 19.45 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.25  | 132 | 43948  | 19.41 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.42  | 113 | 44206  | 19.48 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.88  | 128 | 22464  | 19.76 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.60  | 143 | 25410  | 19.68 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.12 | 165 | 48578  | 19.74 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.65 | 131 | 58751  | 19.90 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.77 | 166 | 161726 | 19.85 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.06 | 160 | 193843 | 19.76 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.56 | 143 | 29599  | 19.57 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.36 | 176 | 136584 | 19.72 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.48 | 200 | 29381  | 18.95 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.21 | 188 | 215692 | 19.72 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.52 | 212 | 244249 | 19.18 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.43 | 264 | 277687 | 19.65 | ng/ul | 0.00 |

## Target Compounds

|                                 |       |     |        |        | Ovalue    |
|---------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                  | 3.26  | 88  | 4954   | 7.181  | ng/uL 95  |
| 4) Benzaldehyde                 | 6.88  | 77  | 33511  | 19.836 | ng/ul 98  |
| 6) Phenol                       | 6.91  | 94  | 51500  | 19.393 | ng/ul 100 |
| 8) Bis(2-Chloroethyl) ether     | 7.15  | 93  | 38453  | 19.673 | ng/ul 98  |
| 10) 2-Chlorophenol              | 7.28  | 128 | 44346  | 19.411 | ng/ul 100 |
| 11) 2-Methylphenol              | 8.16  | 108 | 41405  | 19.415 | ng/ul 100 |
| 12) 2,2'-oxybis(1-Chloropropan  | 8.24  | 45  | 45422m | 20.149 | ng/ul     |
| 14) Acetophenone                | 8.55  | 105 | 68666  | 20.178 | ng/ul 99  |
| 15) N-Nitroso-di-n-propylamine  | 8.52  | 70  | 32781  | 20.404 | ng/ul 99  |
| 16) 4-Methylphenol              | 8.48  | 108 | 46295  | 19.526 | ng/ul 96  |
| 17) Hexachloroethane            | 8.79  | 117 | 16809  | 19.646 | ng/ul 97  |
| 20) Nitrobenzene                | 8.92  | 77  | 45927  | 19.678 | ng/ul 100 |
| 21) Isophorone                  | 9.44  | 82  | 96236  | 19.902 | ng/ul 99  |
| 23) 2-Nitrophenol               | 9.63  | 139 | 27809  | 19.923 | ng/ul 99  |
| 24) 2,4-Dimethylphenol          | 9.68  | 107 | 53633  | 19.909 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy) methane | 9.92  | 93  | 57865  | 19.659 | ng/ul 100 |
| 27) 2,4-Dichlorophenol          | 10.15 | 162 | 47822  | 19.748 | ng/ul 99  |
| 28) Naphthalene                 | 10.56 | 128 | 152125 | 19.580 | ng/ul 99  |
| 30) 4-Chloroaniline             | 10.68 | 127 | 60334  | 20.110 | ng/ul 99  |
| 31) Hexachlorobutadiene         | 10.82 | 225 | 31701  | 19.697 | ng/ul 100 |
| 32) Caprolactam                 | 11.44 | 113 | 16112m | 19.641 | ng/ul     |
| 33) 4-Chloro-3-methylphenol     | 11.79 | 107 | 52051  | 20.046 | ng/ul 99  |
| 34) 2-Methylnaphthalene         | 12.17 | 142 | 115460 | 19.832 | ng/ul 98  |



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Manual Integrations  
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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev (Min) |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 35) 1-Methylnaphthalene        | 12.39 | 142  | 108570   | 19.859 | ng/ul | 99        |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.54 | 216  | 63801    | 19.251 | ng/ul | 98        |
| 38) Hexachlorocyclopentadiene  | 12.51 | 237  | 42301    | 18.528 | ng/ul | 98        |
| 39) 2,4,6-Trichlorophenol      | 12.79 | 196  | 41946    | 19.649 | ng/ul | 98        |
| 40) 2,4,5-Trichlorophenol      | 12.85 | 196  | 46415    | 19.862 | ng/ul | 96        |
| 41) 1,1'-Biphenyl              | 13.19 | 154  | 156341   | 19.718 | ng/ul | 99        |
| 42) 2-Chloronaphthalene        | 13.23 | 162  | 119456   | 19.815 | ng/ul | 100       |
| 43) 2-Nitroaniline             | 13.45 | 65   | 29936    | 20.298 | ng/ul | 98        |
| 45) Dimethylphthalate          | 13.82 | 163  | 158549   | 19.830 | ng/ul | 100       |
| 46) 2,6-Dinitrotoluene         | 13.95 | 165  | 32647    | 20.166 | ng/ul | 96        |
| 48) Acenaphthylene             | 14.09 | 152  | 190264   | 19.849 | ng/ul | 100       |
| 49) 3-Nitroaniline             | 14.28 | 138  | 31790    | 20.252 | ng/ul | 96        |
| 50) Acenaphthene               | 14.43 | 153  | 129654   | 19.788 | ng/ul | 99        |
| 51) 2,4-Dinitrophenol          | 14.49 | 184  | 18821    | 17.938 | ng/ul | 99        |
| 53) 4-Nitrophenol              | 14.58 | 109  | 21941    | 19.966 | ng/ul | 98        |
| 54) Dibenzofuran               | 14.76 | 168  | 186823   | 19.850 | ng/ul | 99        |
| 55) 2,4-Dinitrotoluene         | 14.74 | 165  | 48910    | 20.453 | ng/ul | 98        |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.99 | 232  | 42737    | 19.760 | ng/ul | 99        |
| 57) Diethylphthalate           | 15.19 | 149  | 161310   | 19.909 | ng/ul | 99        |
| 59) Fluorene                   | 15.42 | 166  | 149253   | 19.764 | ng/ul | 100       |
| 60) 4-Chlorophenyl-phenylether | 15.41 | 204  | 79492    | 19.828 | ng/ul | 99        |
| 61) 4-Nitroaniline             | 15.45 | 138  | 36639    | 19.885 | ng/ul | 98        |
| 64) 4,6-Dinitro-2-methylphenol | 15.50 | 198  | 31091    | 19.021 | ng/ul | 97        |
| 65) N-Nitrosodiphenylamine     | 15.63 | 169  | 134553   | 19.675 | ng/ul | 100       |
| 66) 4-Bromophenyl-phenylether  | 16.30 | 248  | 53570    | 19.440 | ng/ul | 97        |
| 67) Hexachlorobenzene          | 16.41 | 284  | 61379    | 19.405 | ng/ul | 98        |
| 68) Atrazine                   | 16.57 | 200  | 51696    | 19.790 | ng/ul | 99        |
| 69) Pentachlorophenol          | 16.76 | 266  | 36579    | 18.556 | ng/ul | 99        |
| 70) Phenanthrene               | 17.16 | 178  | 245052   | 19.624 | ng/ul | 99        |
| 72) Anthracene                 | 17.25 | 178  | 250256   | 19.615 | ng/ul | 100       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.15 | 216  | 64113    | 19.235 | ng/uL | 100       |
| 74) Pentachlorobenzene         | 14.67 | 250  | 68566    | 19.294 | ng/uL | 99        |
| 75) Carbazole                  | 17.52 | 167  | 224254   | 20.240 | ng/ul | 100       |
| 76) Di-n-butylphthalate        | 18.07 | 149  | 271842   | 19.785 | ng/ul | 100       |
| 77) Fluoranthene               | 19.17 | 202  | 297138   | 20.639 | ng/ul | 98        |
| 80) Perylene                   | 19.54 | 202  | 302650   | 19.159 | ng/ul | 99        |
| 81) Butylbenzylphthalate       | 20.45 | 149  | 125198   | 19.304 | ng/ul | 99        |
| 82) 3,3'-Dichlorobenzidine     | 21.23 | 252  | 120534   | 19.594 | ng/ul | 99        |
| 83) Benzo(a)anthracene         | 21.30 | 228  | 319038   | 19.463 | ng/ul | 99        |
| 84) Bis(2-ethylhexyl)phthalate | 21.22 | 149  | 183829   | 19.504 | ng/ul | 99        |
| 85) Chrysene                   | 21.35 | 228  | 297304   | 19.532 | ng/ul | 99        |
| 87) Di-n-octyl phthalate       | 22.10 | 149  | 317826   | 18.721 | ng/ul | 100       |
| 88) Benzo(b)fluoranthene       | 22.89 | 252  | 319037   | 19.537 | ng/ul | 99        |
| 89) Benzo(k)fluoranthene       | 22.93 | 252  | 310884   | 19.360 | ng/ul | 100       |
| 91) Benzo(a)pyrene             | 23.47 | 252  | 300972   | 19.592 | ng/ul | 99        |
| 92) Indeno(1,2,3-cd)pyrene     | 25.85 | 276  | 324925   | 19.417 | ng/ul | 98        |
| 93) Dibenzo(a,h)anthracene     | 25.86 | 278  | 275772   | 19.587 | ng/ul | 99        |
| 94) Benzo(a,h,i)perylene       | 26.55 | 276  | 262006   | 19.252 | ng/ul | 97        |

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|--------------------|------|------|----------|------|-------|-----------|

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