

(QT Reviewed)

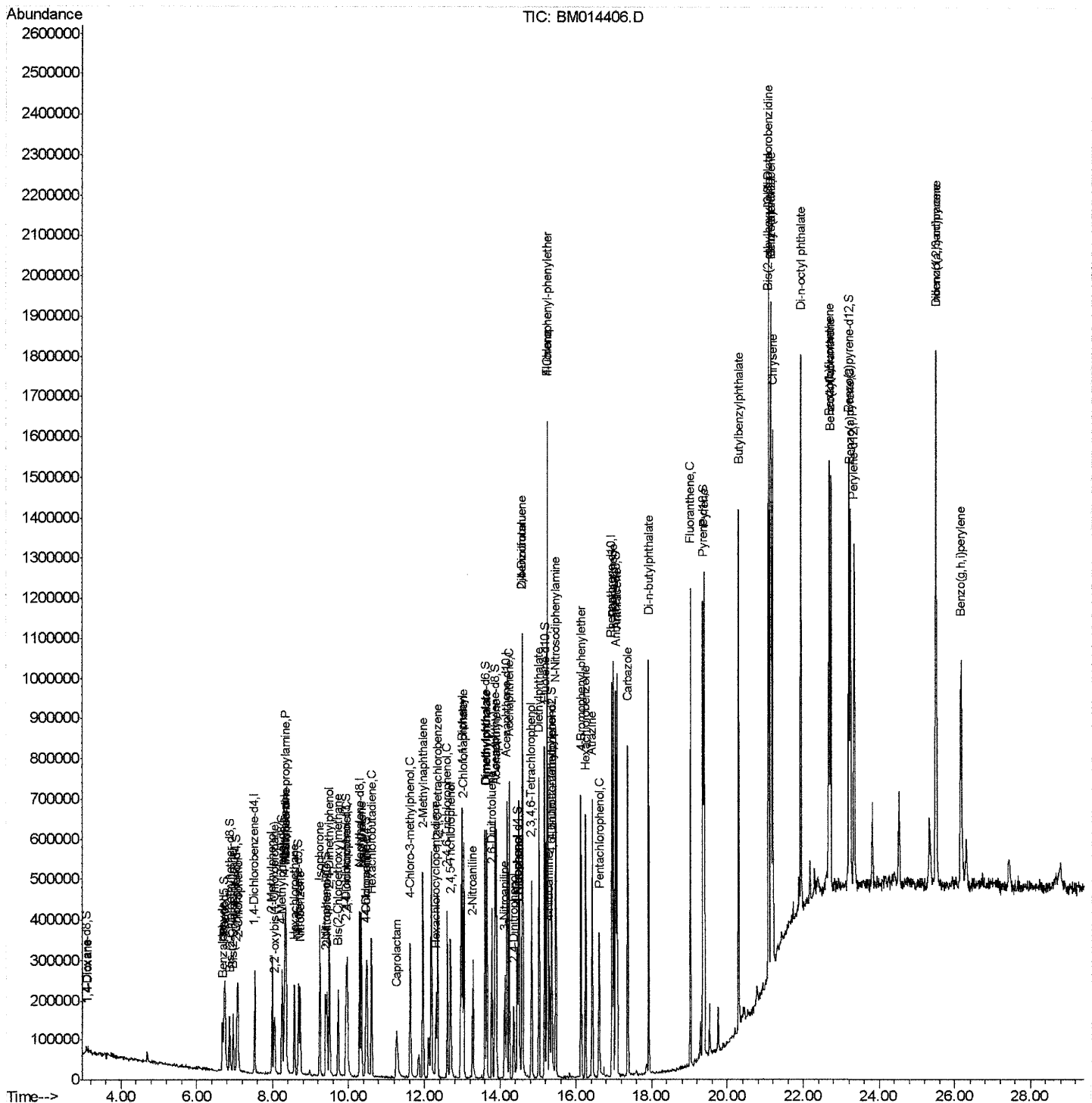
Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\  
Data File : BM014406.D  
Acq On : 28 Feb 2018 17:42  
Operator : SJ/JU  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**  
BNA\_M  
**LabSampleId :**  
SSTD02008

## Manual Integrations

Sohil  
3/1/2018 5:14:47 PM

Quant Time: Feb 28 18:20:44 2018  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Feb 28 12:00:03 2018  
Response via : Initial Calibration



## Quantitation Report (Qedit)

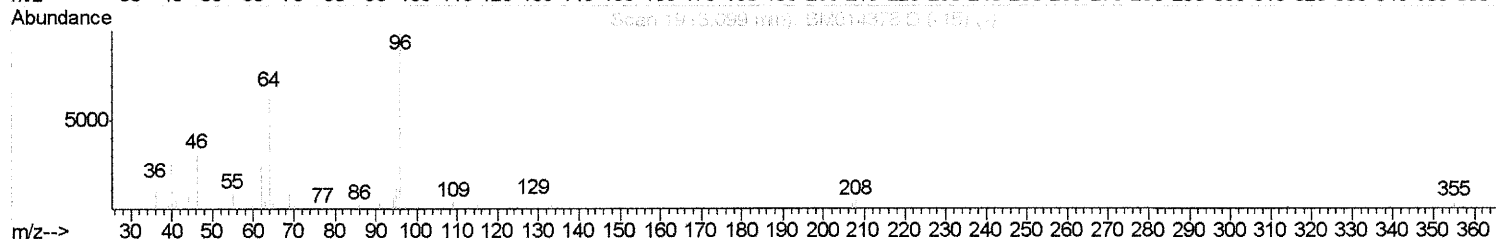
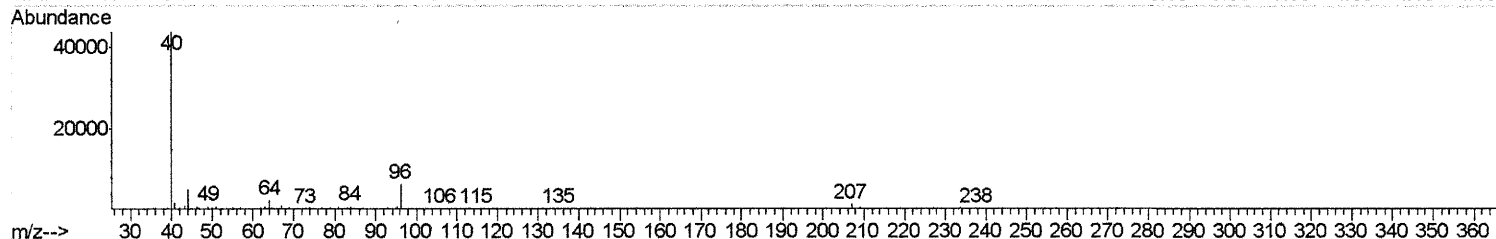
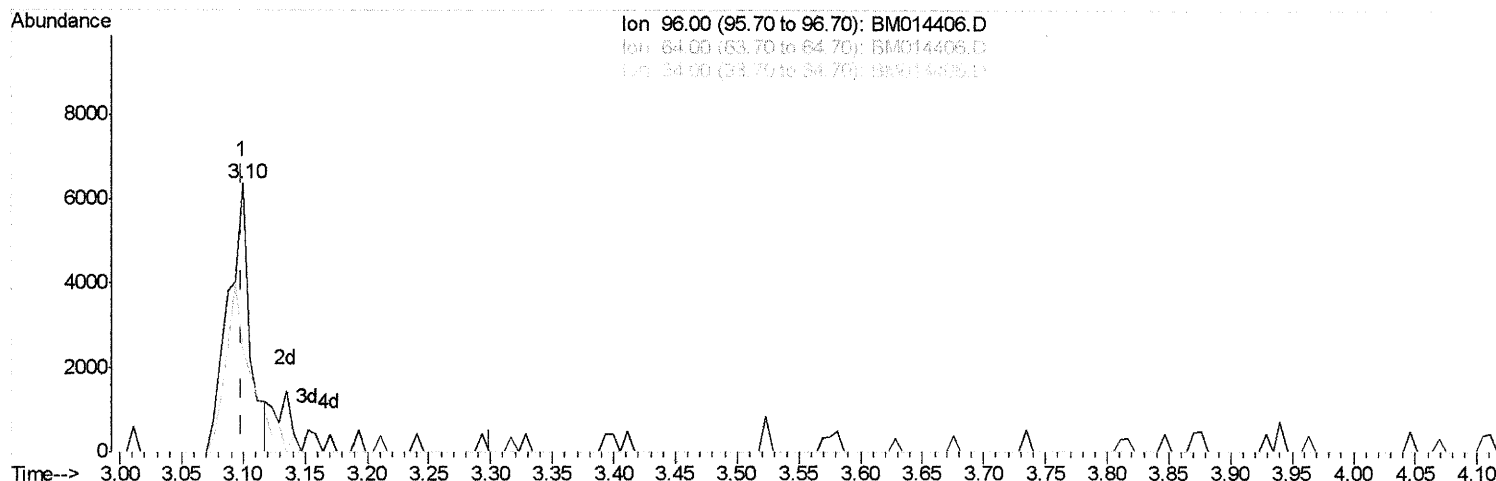
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TIC: BM014406.D

(3) 1,4-Dioxane-d8 (S)

3.099min (+0.000) 5.53ng/uL

response 7738

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 96.00 | 100   | 100   |
| 64.00 | 74.90 | 72.54 |
| 34.00 | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

## Quantitation Report (Qedit)

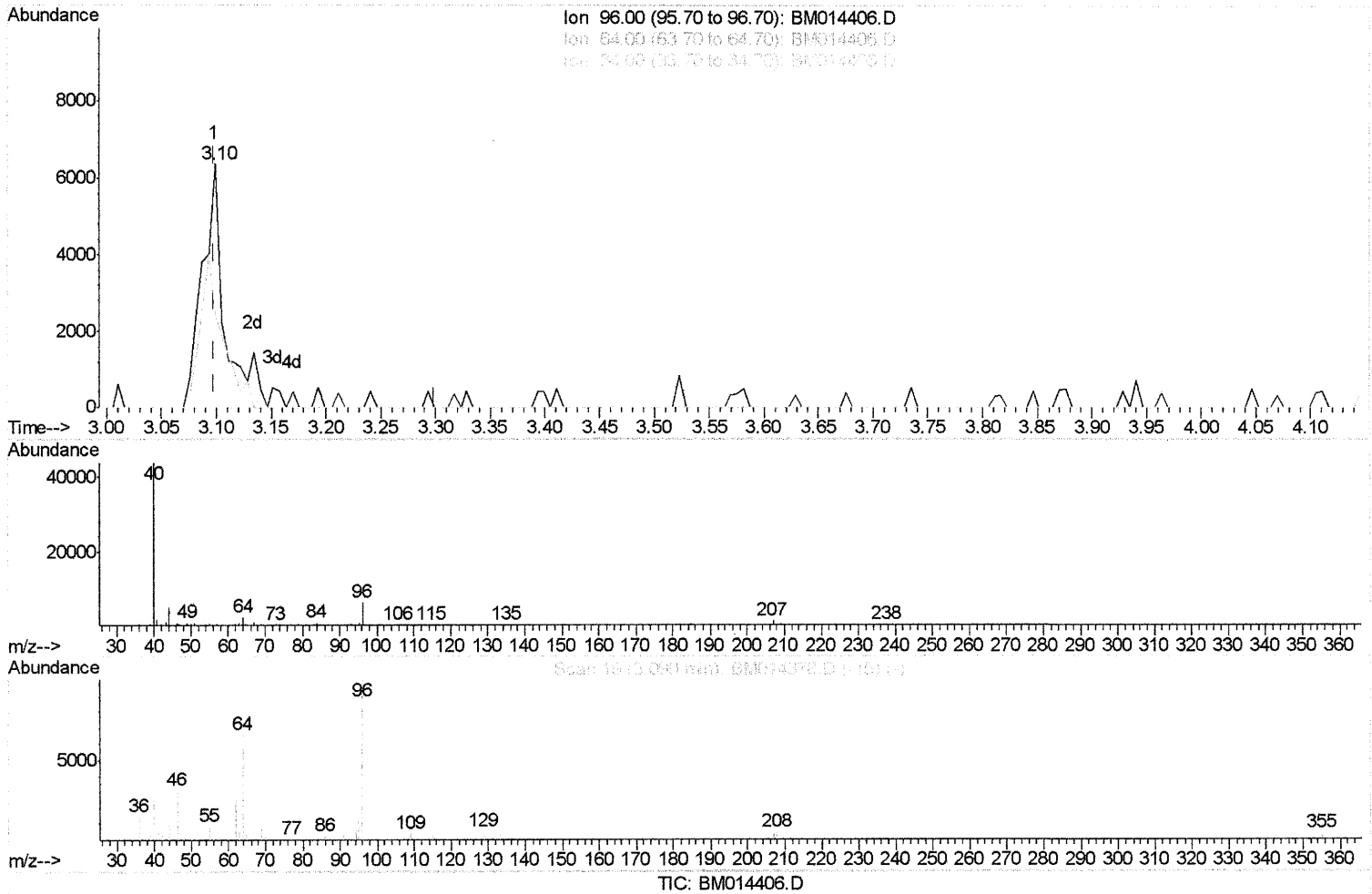
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Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
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LabSampled :  
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(3) 1,4-Dioxane-d8 (S)

3.099min (+0.000) 6.47ng/uL m SJ 3/2/18

response 9048

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 96.00 | 100   | 100   |
| 64.00 | 74.90 | 62.04 |
| 34.00 | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

# Quantitation Report (Qedit)

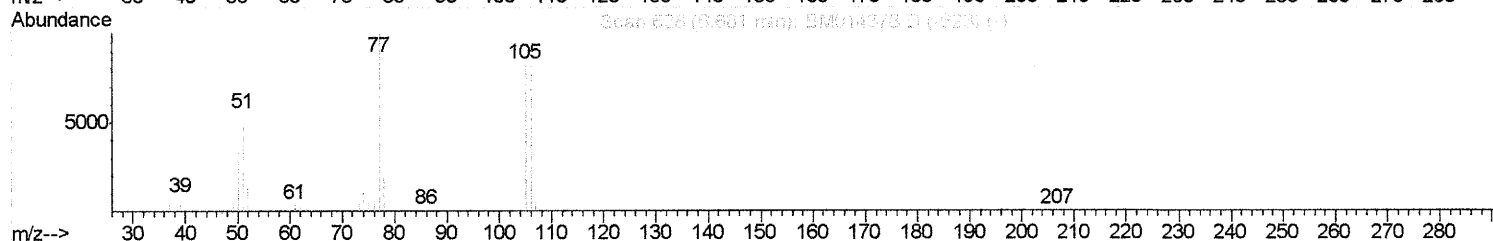
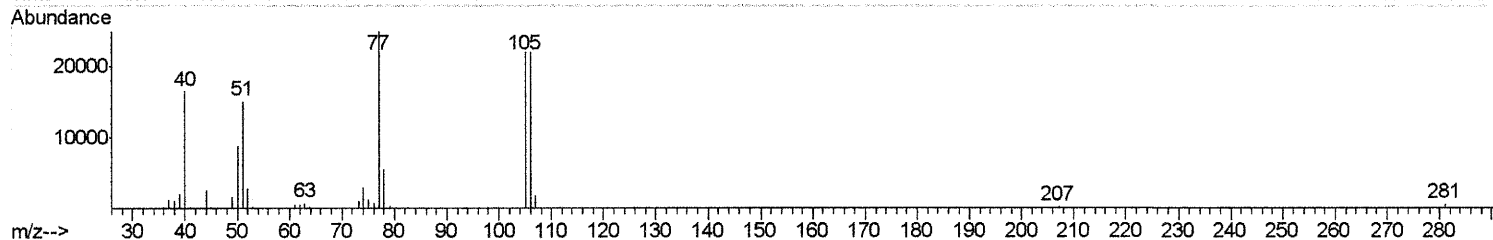
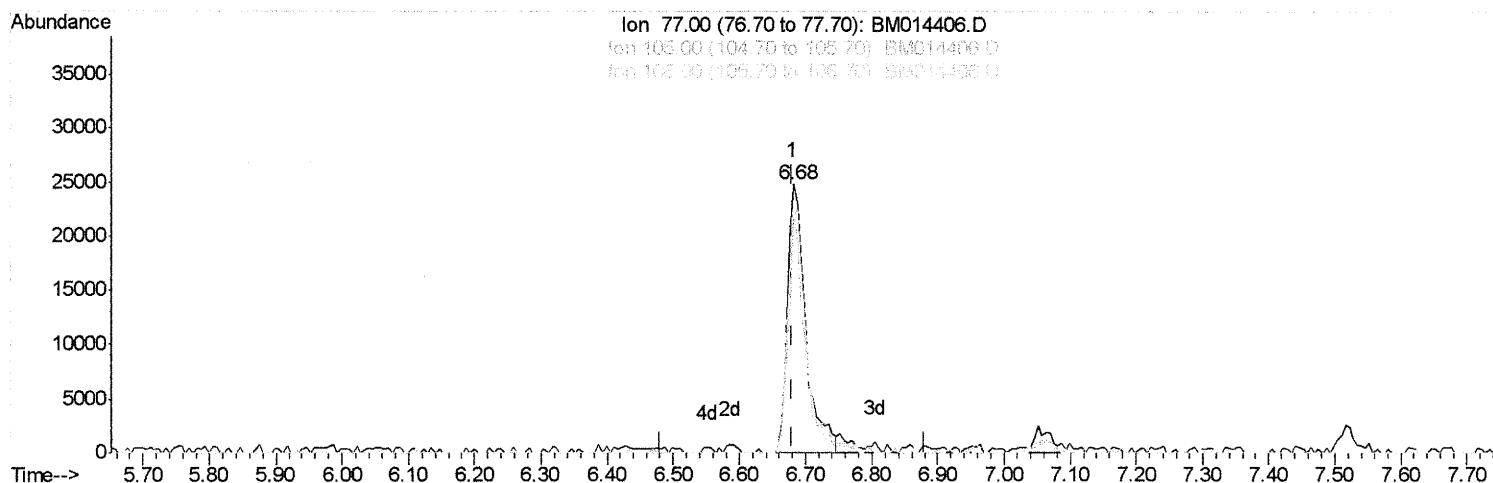
Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\  
 Data File : BM014406.D  
 Acq On : 28 Feb 2018 17:42  
 Operator : SJ/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

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TIC: BM014406.D

(4) Benzaldehyde

6.681min (+0.000) 23.14ng/ul

response 47714

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 77.00  | 100   | 100   |
| 105.00 | 82.60 | 88.27 |
| 106.00 | 84.70 | 88.27 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

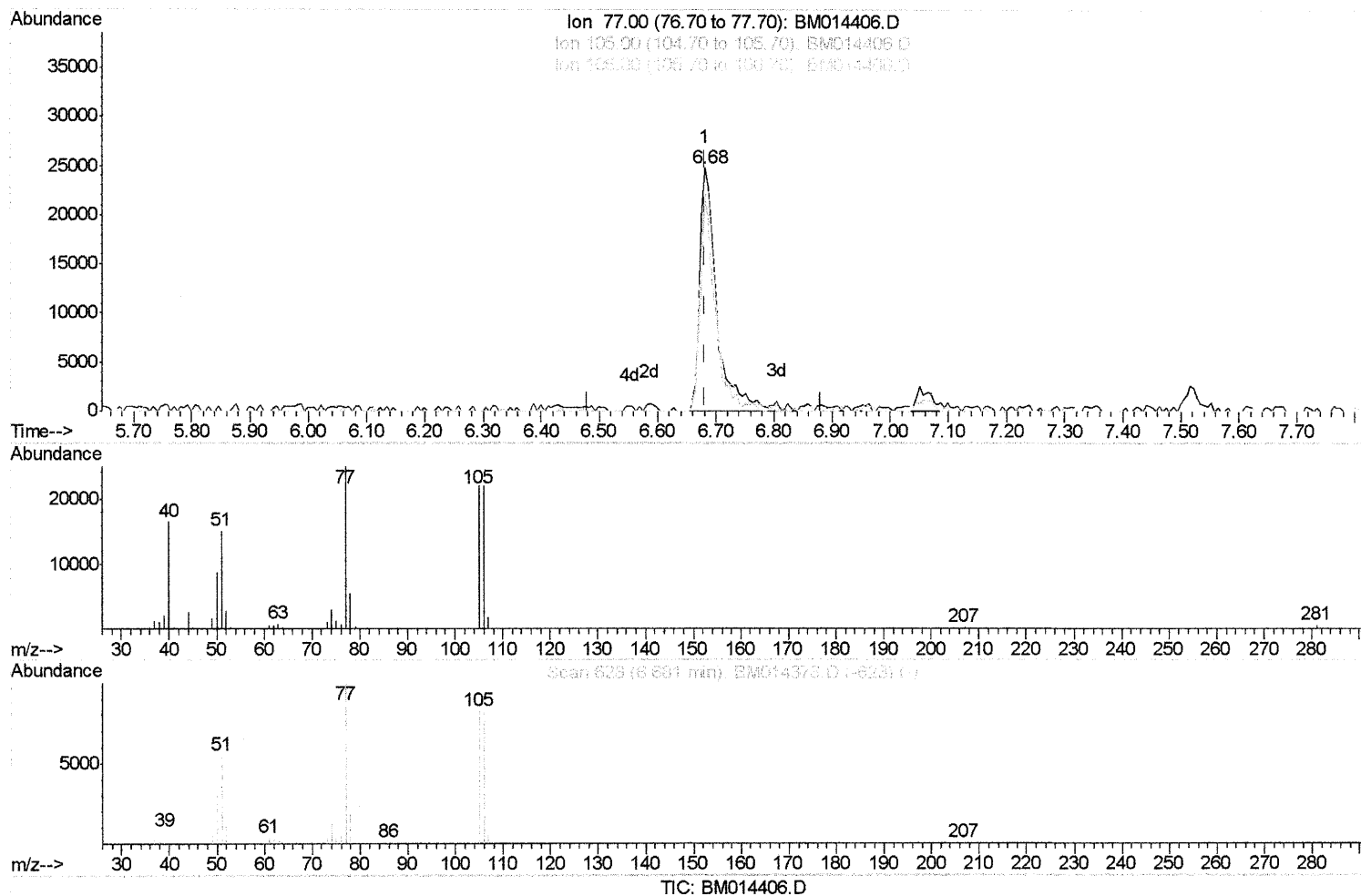
Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\  
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 Operator : SJ/JU  
 Sample : SSTDCCC020  
 Misc :  
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Instrument :  
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Manual Integrations  
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(4) Benzaldehyde

6.681min (+0.000) 24.72ng/ul m

SJ 3/2/18

response 50980

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 77.00  | 100   | 100   |
| 105.00 | 82.60 | 88.27 |
| 106.00 | 84.70 | 88.27 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

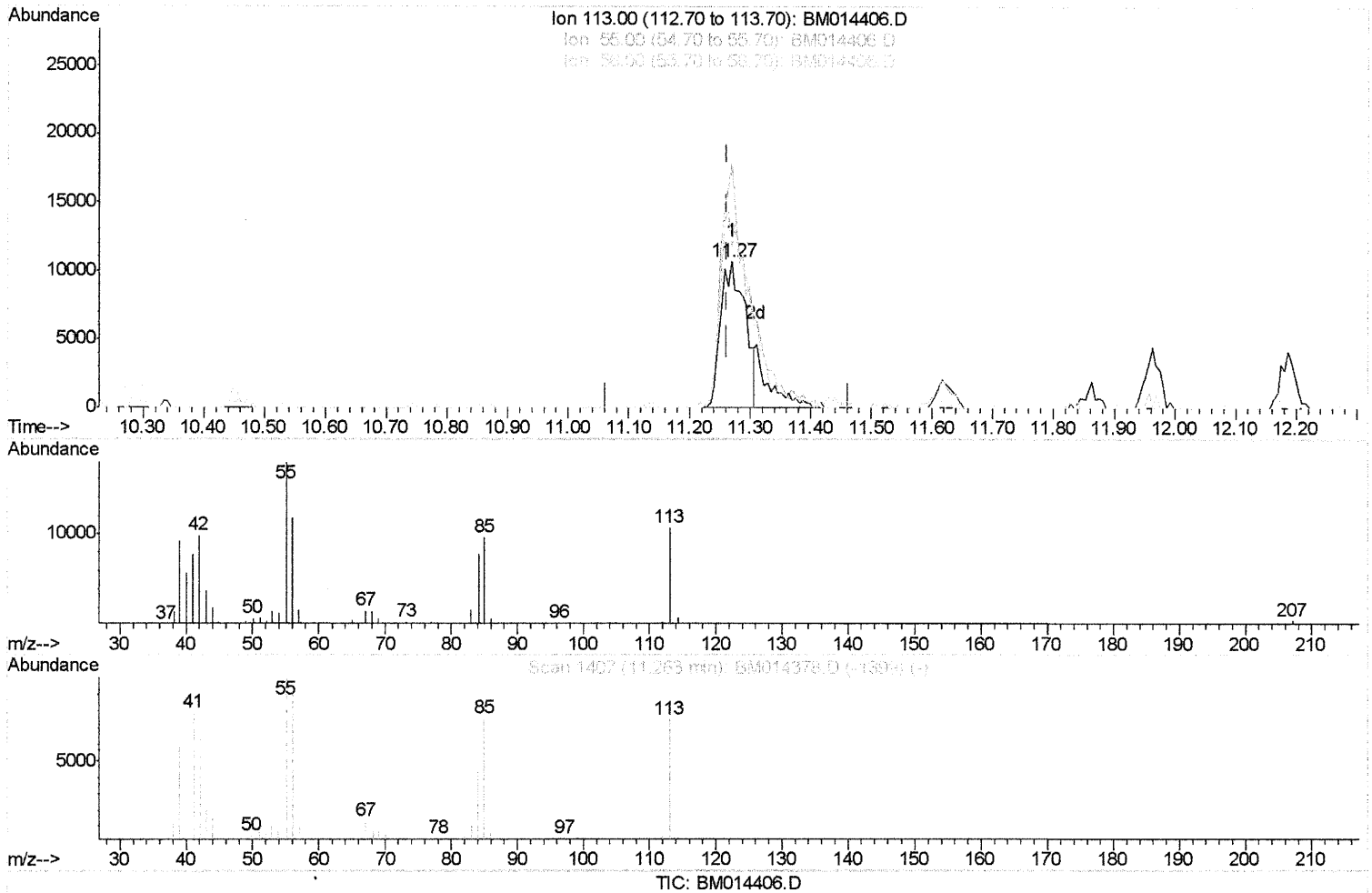
Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\  
 Data File : BM014406.D  
 Acq On : 28 Feb 2018 17:42  
 Operator : SJ/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampled :  
 SSTD02008

Manual Integrations  
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 Response via : Initial Calibration



(32) Caprolactam

11.269min (+0.006) 20.81ng/ul

response 29723

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 113.00 | 100    | 100     |
| 55.00  | 260.00 | 166.94# |
| 56.00  | 200.00 | 109.61# |
| 0.00   | 0.00   | 0.00    |

# Quantitation Report (Qedit)

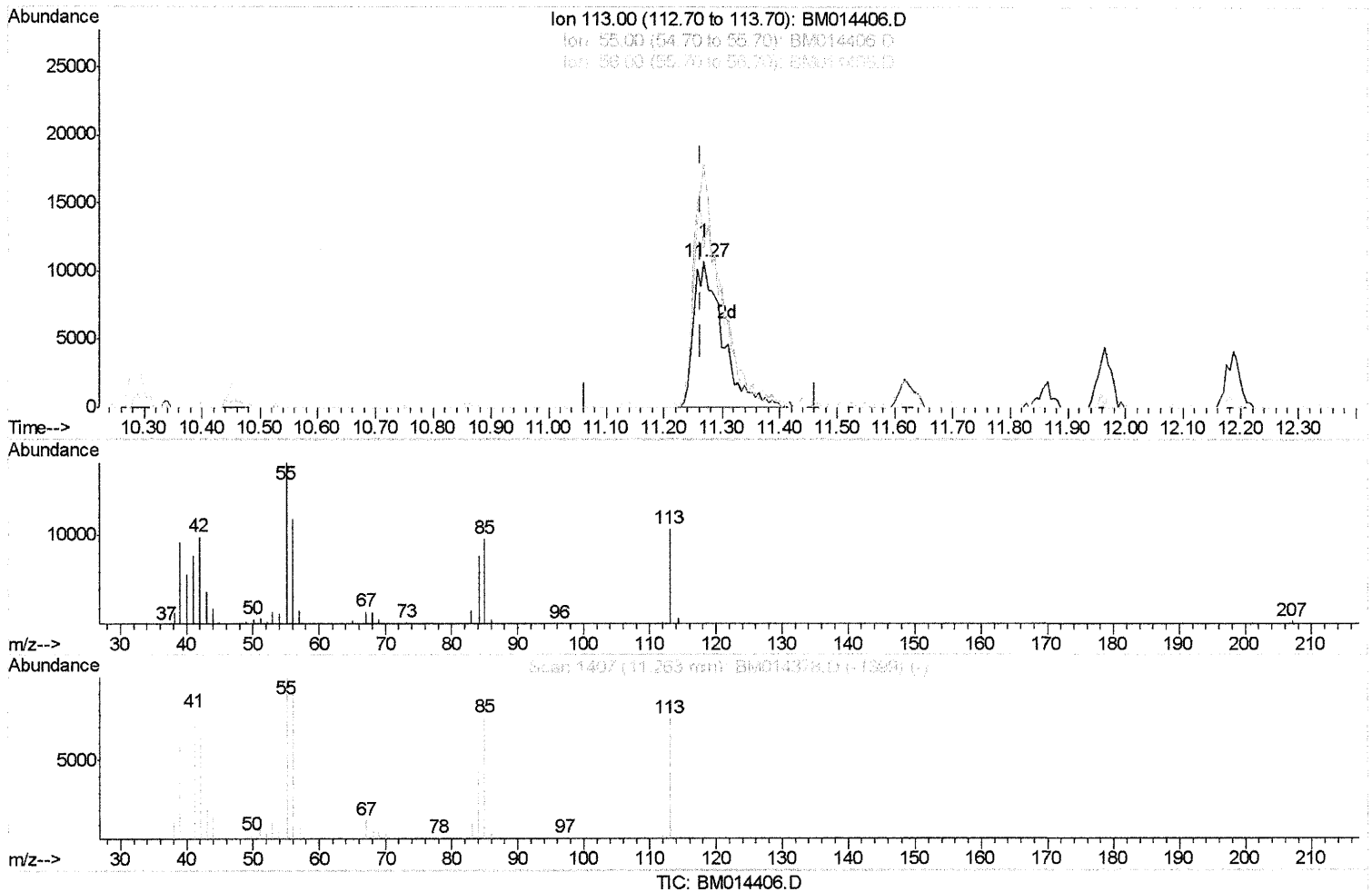
Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\  
 Data File : BM014406.D  
 Acq On : 28 Feb 2018 17:42  
 Operator : SJ/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampled :  
 SSTD02008

Manual Integrations  
 APPROVED

Sohil  
 3/1/2018 5:14:47 PM

Quant Time: Feb 28 18:17:09 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M  
 Quant Title : SVOA CALIBRATION  
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 Response via : Initial Calibration



(32) Caprolactam

11.269min (+0.006) 25.89ng/ul m 5/3/2/18

response 36964

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 113.00 | 100    | 100     |
| 55.00  | 260.00 | 166.94# |
| 56.00  | 200.00 | 109.61# |
| 0.00   | 0.00   | 0.00    |

# Quantitation Report (Qedit)

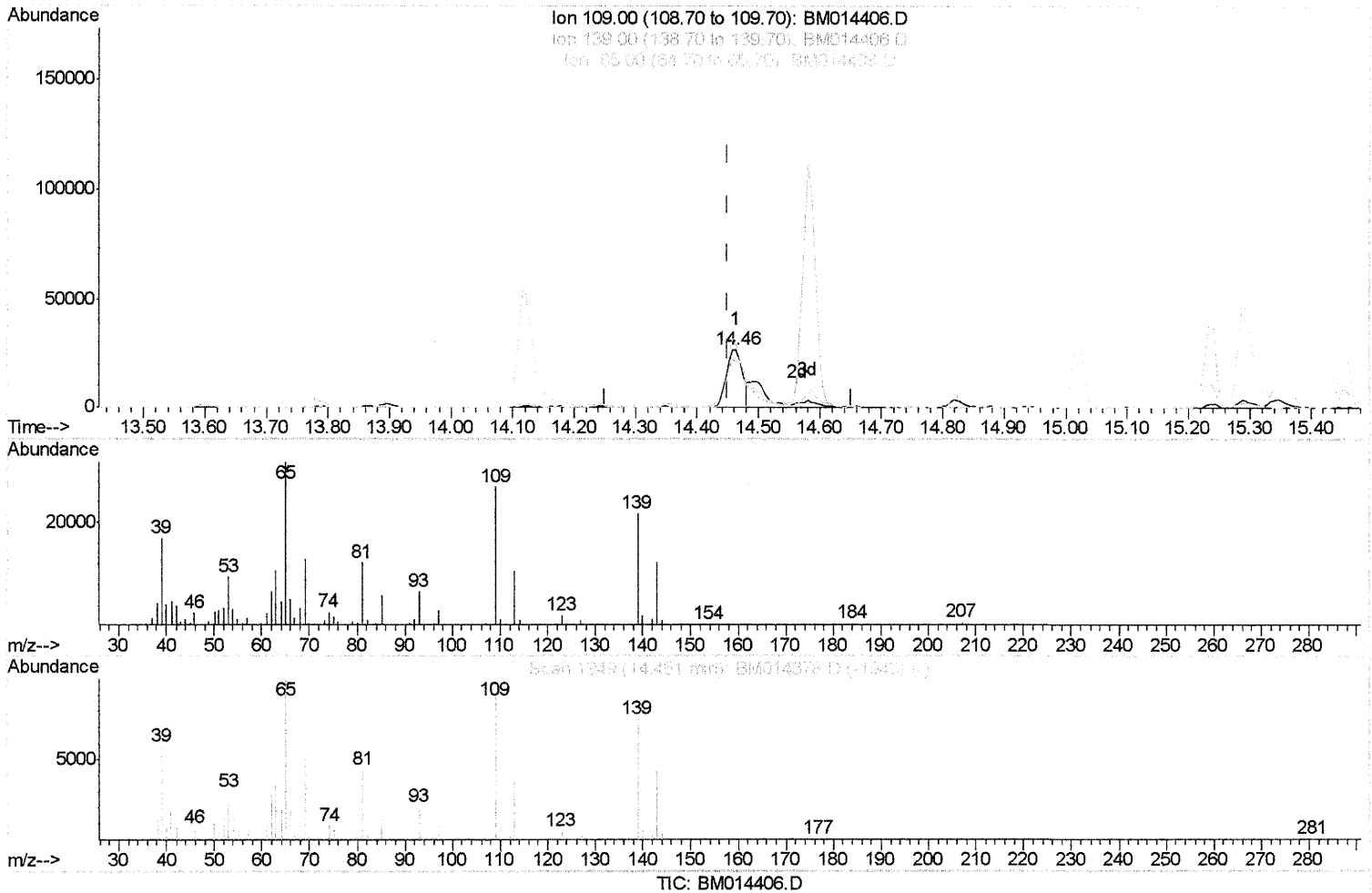
Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\  
 Data File : BM014406.D  
 Acq On : 28 Feb 2018 17:42  
 Operator : SJ/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampled :  
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(52) 4-Nitrophenol

14.463min (+0.012) 16.54ng/ul

response 49418

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 109.00 | 100    | 100     |
| 139.00 | 100.00 | 80.91   |
| 65.00  | 150.00 | 117.63# |
| 0.00   | 0.00   | 0.00    |



# Quantitation Report (Qedit)

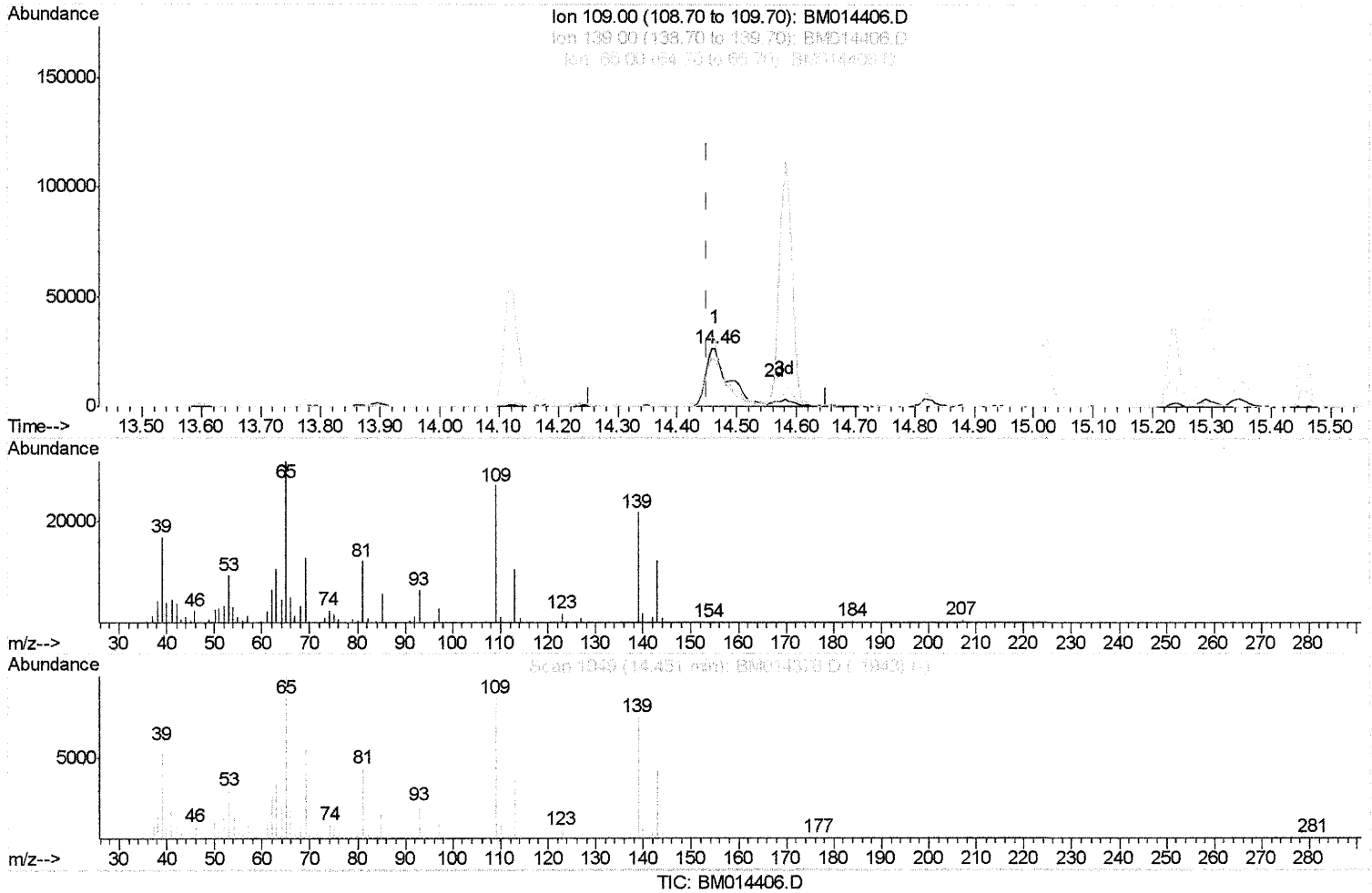
Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\  
 Data File : BM014406.D  
 Acq On : 28 Feb 2018 17:42  
 Operator : SJ/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampled :  
 SSTD02008

Manual Integrations  
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(52) 4-Nitrophenol

14.463min (+0.012) 24.51ng/ul m SJ 3/1/18

response 73255

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 109.00 | 100    | 100     |
| 139.00 | 100.00 | 80.91   |
| 65.00  | 150.00 | 117.63# |
| 0.00   | 0.00   | 0.00    |

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| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.52  | 152  | 59847    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.29 | 136  | 296604   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.17 | 164  | 199909   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.94 | 188  | 494978   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.15 | 240  | 553244   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.33 | 264  | 583292   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.10  | 96  | 9048m  | 6.47  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.72  | 99  | 99142  | 19.60 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.87  | 67  | 58727  | 19.18 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.06  | 132 | 81818  | 21.10 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.25  | 113 | 93406  | 21.10 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.68  | 128 | 44527  | 20.31 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.39  | 143 | 51355  | 22.64 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.93  | 165 | 93795  | 19.96 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.45 | 131 | 109293 | 23.61 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.60 | 166 | 342812 | 20.77 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.86 | 160 | 415305 | 20.40 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.45 | 143 | 45882  | 20.13 | ng/ul | 0.01 |
| 57) Fluorene-d10               | 15.18 | 176 | 292091 | 19.75 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.34 | 200 | 57581  | 19.39 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.04 | 188 | 481852 | 20.18 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.34 | 212 | 541963 | 18.99 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.19 | 264 | 538255 | 18.96 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        | Ovalue |           |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.12  | 88  | 9624   | 6.196  | ng/uL# 59 |
| 4) Benzaldehyde                | 6.68  | 77  | 50980m | 24.721 | ng/ul     |
| 6) Phenol                      | 6.75  | 94  | 105634 | 19.902 | ng/ul# 89 |
| 8) Bis(2-Chloroethyl)ether     | 6.96  | 93  | 76054  | 19.748 | ng/ul 93  |
| 10) 2-Chlorophenol             | 7.09  | 128 | 78579  | 19.843 | ng/ul 93  |
| 11) 2-Methylphenol             | 7.98  | 108 | 84431  | 20.797 | ng/ul 98  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.04  | 45  | 89640  | 23.065 | ng/ul# 82 |
| 14) Acetophenone               | 8.35  | 105 | 149344 | 19.558 | ng/ul 92  |
| 15) N-Nitroso-di-n-propylamine | 8.33  | 70  | 79190  | 20.695 | ng/ul# 73 |
| 16) 4-Methylphenol             | 8.31  | 108 | 93350  | 21.101 | ng/ul 98  |
| 17) Hexachloroethane           | 8.56  | 117 | 39789  | 19.288 | ng/ul# 62 |
| 20) Nitrobenzene               | 8.72  | 77  | 118845 | 18.333 | ng/ul 96  |
| 21) Isophorone                 | 9.24  | 82  | 231662 | 20.893 | ng/ul# 93 |
| 23) 2-Nitrophenol              | 9.42  | 139 | 51505  | 20.961 | ng/ul 96  |
| 24) 2,4-Dimethylphenol         | 9.49  | 107 | 119975 | 19.916 | ng/ul 93  |
| 25) Bis(2-Chloroethoxy)methane | 9.72  | 93  | 121415 | 20.788 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 9.96  | 162 | 91404  | 20.502 | ng/ul# 92 |
| 28) Naphthalene                | 10.34 | 128 | 299077 | 19.632 | ng/ul 98  |
| 30) 4-Chloroaniline            | 10.47 | 127 | 111031 | 23.517 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 10.61 | 225 | 61800  | 17.472 | ng/ul 91  |
| 32) Caprolactam                | 11.27 | 113 | 36964m | 25.886 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.62 | 107 | 113095 | 20.994 | ng/ul 94  |
| 34) 2-Methylnaphthalene        | 11.96 | 142 | 219490 | 18.930 | ng/ul 97  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|--------|-----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.34 | 216  | 121756   | 18.974 | ng/ul# | 94        |
| 37) Hexachlorocyclopentadiene  | 12.30 | 237  | 48133    | 13.783 | ng/ul# | 84        |
| 38) 2,4,6-Trichlorophenol      | 12.60 | 196  | 84853    | 21.194 | ng/ul  | 92        |
| 39) 2,4,5-Trichlorophenol      | 12.69 | 196  | 85296    | 20.848 | ng/ul  | 99        |
| 40) 1,1'-Biphenyl              | 13.00 | 154  | 312050   | 20.264 | ng/ul  | 98        |
| 41) 2-Chloronaphthalene        | 13.04 | 162  | 244072   | 19.841 | ng/ul  | 97        |
| 42) 2-Nitroaniline             | 13.27 | 65   | 88307    | 21.215 | ng/ul  | 87        |
| 44) Dimethylphthalate          | 13.65 | 163  | 338870   | 20.816 | ng/ul  | 99        |
| 45) 2,6-Dinitrotoluene         | 13.78 | 165  | 68877    | 22.270 | ng/ul# | 85        |
| 47) Acenaphthylene             | 13.90 | 152  | 393196   | 20.435 | ng/ul  | 99        |
| 48) 3-Nitroaniline             | 14.12 | 138  | 57168    | 21.808 | ng/ul# | 94        |
| 49) Acenaphthene               | 14.24 | 153  | 270924   | 19.996 | ng/ul  | 99        |
| 50) 2,4-Dinitrophenol          | 14.35 | 184  | 39332    | 23.645 | ng/ul# | 74        |
| 52) 4-Nitrophenol              | 14.46 | 109  | 73255m - | 24.514 | ng/ul  | 51 3/2/18 |
| 53) Dibenzofuran               | 14.58 | 168  | 385524   | 18.977 | ng/ul  | 93        |
| 54) 2,4-Dinitrotoluene         | 14.59 | 165  | 105730   | 21.336 | ng/ul# | 54        |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.82 | 232  | 81883    | 19.791 | ng/ul# | 74        |
| 56) Diethylphthalate           | 15.02 | 149  | 362720   | 19.995 | ng/ul# | 92        |
| 58) Fluorene                   | 15.23 | 166  | 333527   | 19.017 | ng/ul  | 100       |
| 59) 4-Chlorophenyl-phenylether | 15.23 | 204  | 170250   | 18.559 | ng/ul  | 91        |
| 60) 4-Nitroaniline             | 15.29 | 138  | 60548    | 20.596 | ng/ul# | 85        |
| 63) 4,6-Dinitro-2-methylphenol | 15.36 | 198  | 60131    | 19.897 | ng/ul# | 88        |
| 64) N-Nitrosodiphenylamine     | 15.46 | 169  | 283369   | 19.922 | ng/ul  | 99        |
| 65) 4-Bromophenyl-phenylether  | 16.13 | 248  | 105286   | 19.062 | ng/ul# | 88        |
| 66) Hexachlorobenzene          | 16.25 | 284  | 111533   | 19.203 | ng/ul# | 86        |
| 67) Atrazine                   | 16.42 | 200  | 116464   | 20.732 | ng/ul  | 95        |
| 68) Pentachlorophenol          | 16.60 | 266  | 57720    | 18.964 | ng/ul  | 96        |
| 69) Phenanthrene               | 16.98 | 178  | 553979   | 19.425 | ng/ul  | 100       |
| 71) Anthracene                 | 17.07 | 178  | 568746   | 19.830 | ng/ul  | 98        |
| 72) Carbazole                  | 17.36 | 167  | 501653   | 20.801 | ng/ul  | 99        |
| 73) Di-n-butylphthalate        | 17.92 | 149  | 639848   | 20.565 | ng/ul  | 98        |
| 74) Fluoranthene               | 19.01 | 202  | 684677   | 20.095 | ng/ul# | 92        |
| 77) Pylene                     | 19.37 | 202  | 688030   | 18.713 | ng/ul# | 92        |
| 78) Butylbenzylphthalate       | 20.29 | 149  | 310333   | 20.414 | ng/ul  | 94        |
| 79) 3,3'-Dichlorobenzidine     | 21.08 | 252  | 221517   | 22.774 | ng/ul# | 94        |
| 80) Benzo(a)anthracene         | 21.14 | 228  | 686523   | 19.883 | ng/ul  | 100       |
| 81) Bis(2-ethylhexyl)phthalate | 21.07 | 149  | 440780   | 20.245 | ng/ul# | 93        |
| 82) Chrysene                   | 21.19 | 228  | 644690   | 20.015 | ng/ul  | 98        |
| 84) Di-n-octyl phthalate       | 21.93 | 149  | 758599   | 15.156 | ng/ul# | 93        |
| 85) Benzo(b)fluoranthene       | 22.68 | 252  | 682090   | 17.464 | ng/ul# | 99        |
| 86) Benzo(k)fluoranthene       | 22.73 | 252  | 639856   | 17.231 | ng/ul# | 99        |
| 88) Benzo(a)pyrene             | 23.23 | 252  | 658219   | 18.860 | ng/ul# | 97        |
| 89) Indeno(1,2,3-cd)pyrene     | 25.50 | 276  | 820646   | 24.232 | ng/ul# | 95        |
| 90) Dibenzo(a,h)anthracene     | 25.50 | 278  | 706181   | 25.095 | ng/ul# | 95        |
| 91) Benzo(a,h,i)perylene       | 26.15 | 276  | 677298   | 24.687 | ng/ul# | 96        |

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