Data Path : Z:\HPCHEM1\BNA_G\Data\BG043017\

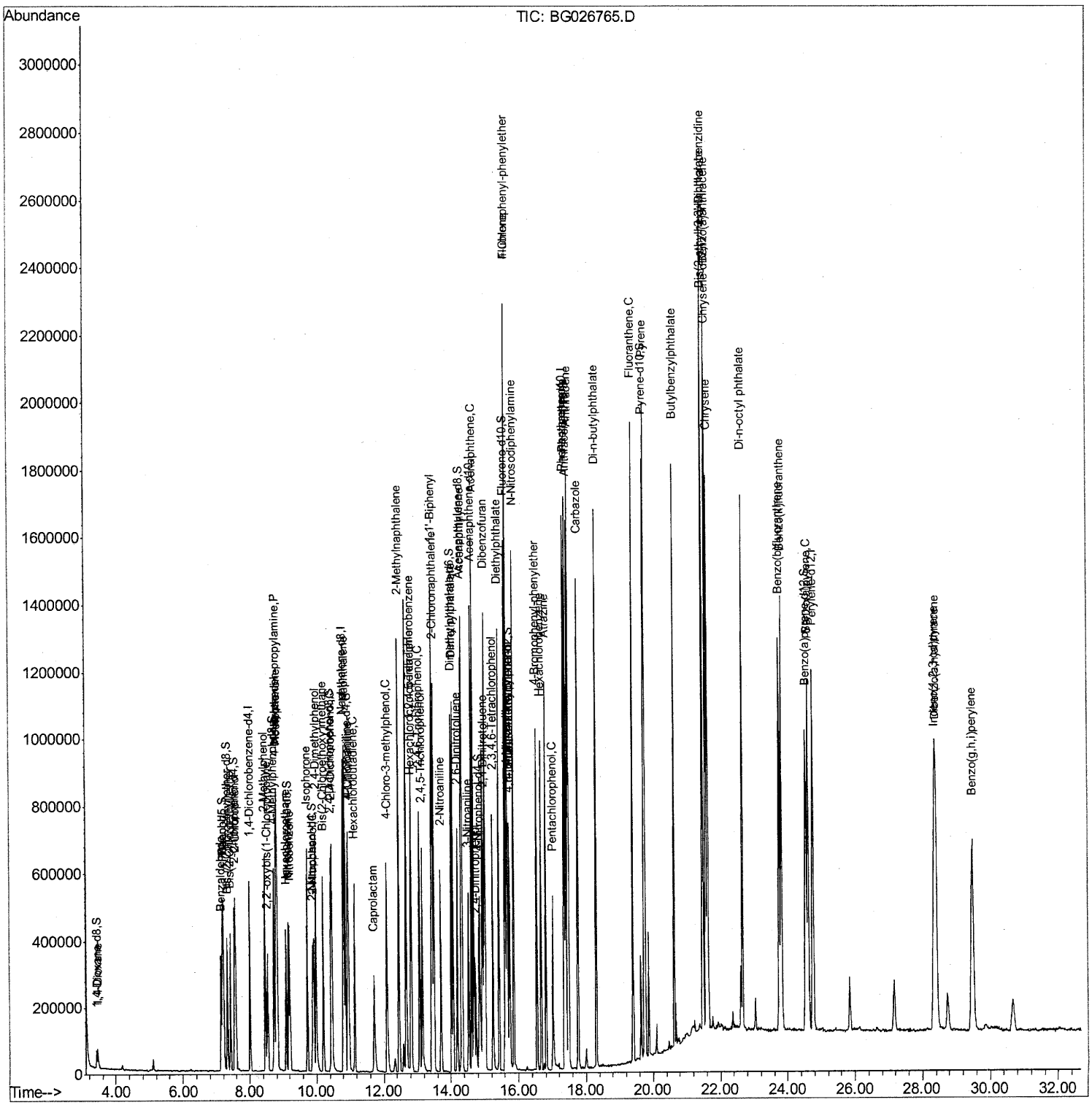
Quantitation Report (QT Reviewed)

Data File : BG026765.D
Acq On : 30 Apr 2017 9:52
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 04:14:45 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Apr 29 01:26:17 2017
Response via : Initial Calibration

**Instrument :**
BNA_G
**LabSampleId :**
SSTD02064

**Manual Integrations APPROVED**
mohammad
5/1/2017 6:51:14 PM



Data Path : Z:\HPCHEM1\BNA_G\Data\BG043017\

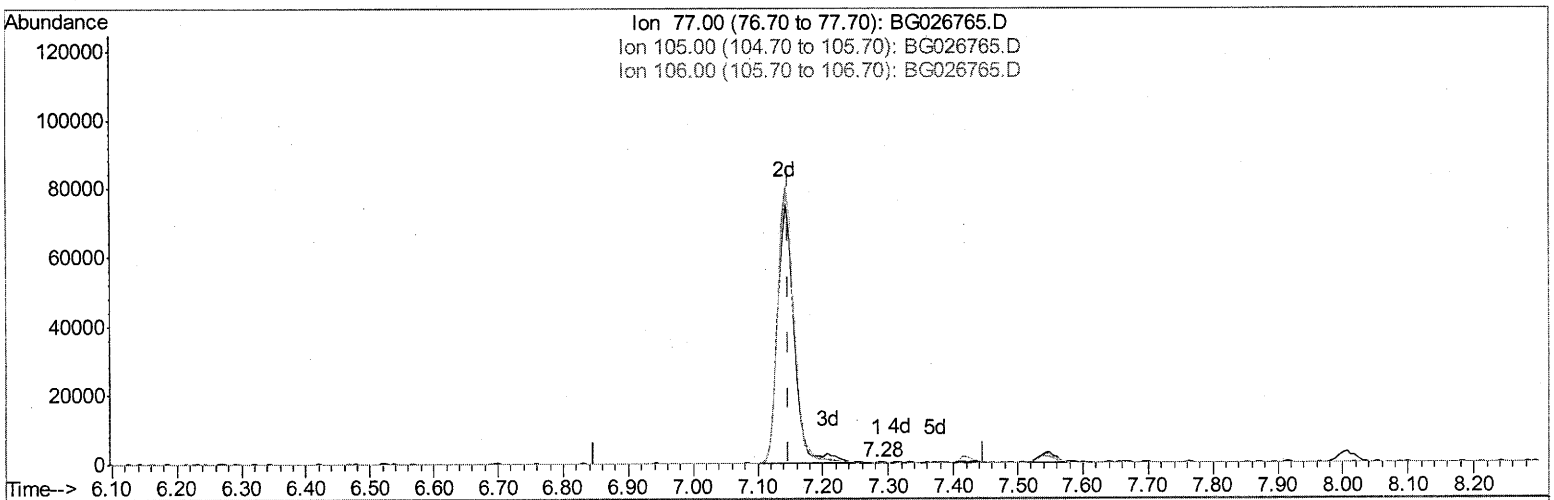
Quantitation Report (Qedit)

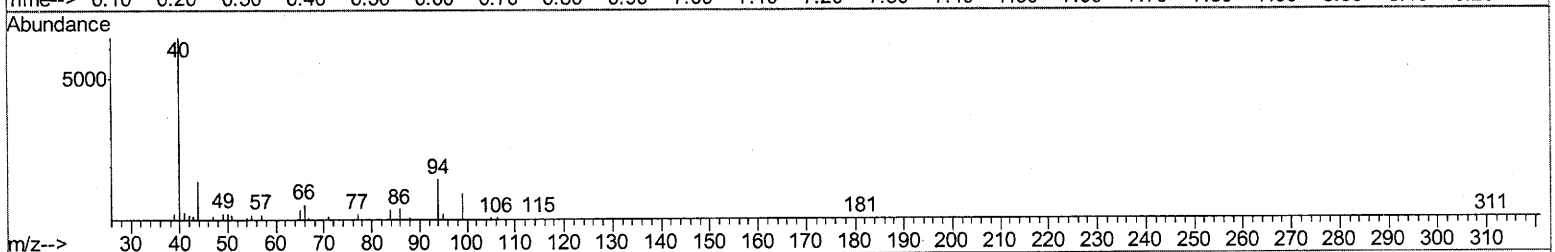
Data File : BG026765.D
Acq On : 30 Apr 2017 9:52
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

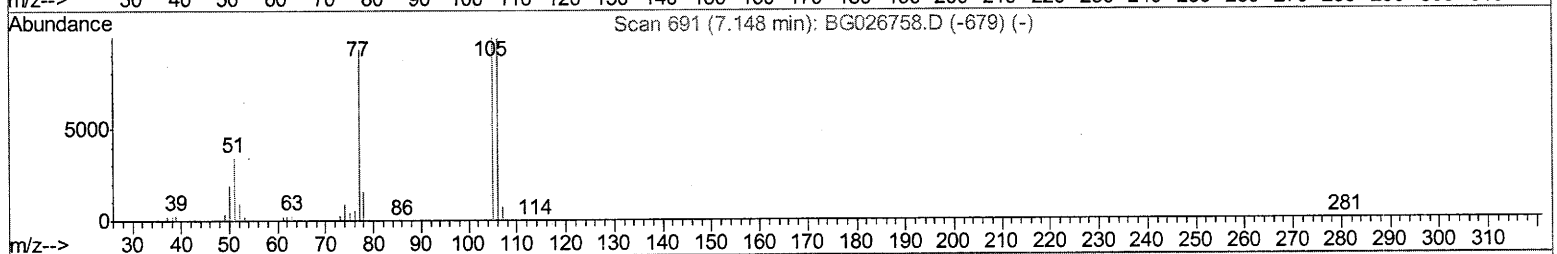
Quant Time: May 01 04:12:25 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Apr 29 01:26:17 2017
Response via : Initial Calibration

**Instrument :**
BNA_G
**LabSampleId :**
SSTD02064

**Manual Integrations APPROVED**
mohammad
5/1/2017 6:51:14 PM




TIC: BG026765.D

(4) Benzaldehyde

7.283min (+0.136) 0.05ng/ul

response 374

| Ion | Exp% | Act% |
|---|---|---|
| 77.00 | 100 | 100 |
| 105.00 | 77.50 | 66.09 |
| 106.00 | 75.30 | 66.67 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA_G\Data\BG043017\

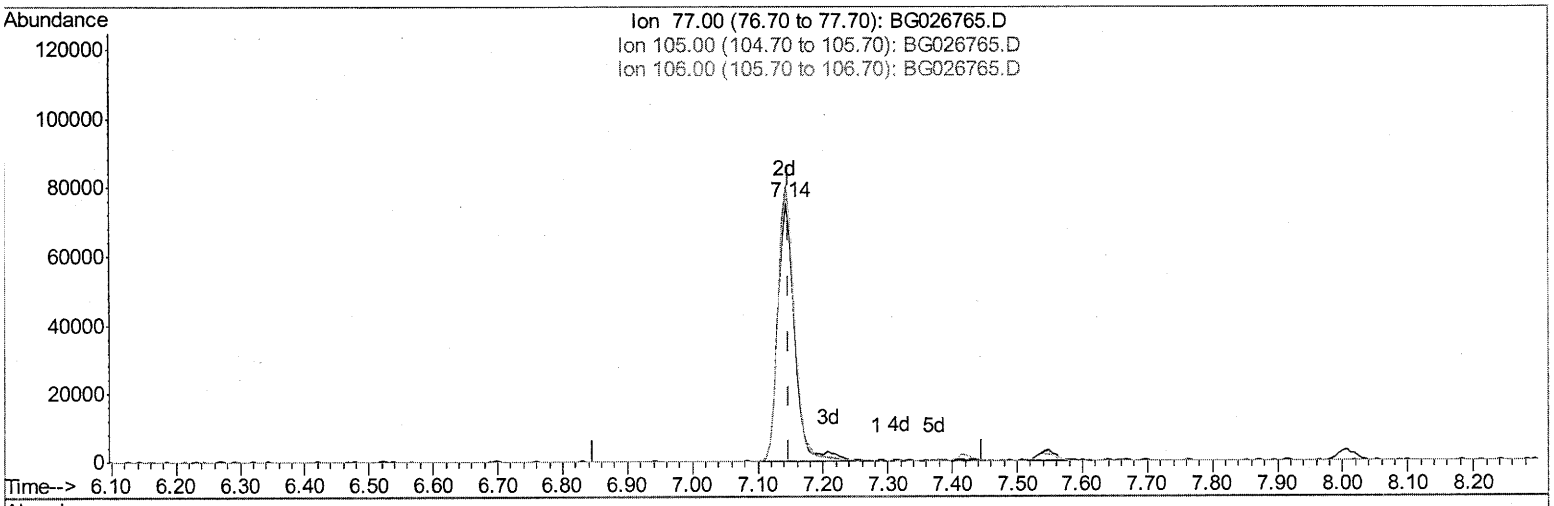
Quantitation Report (Qedit)

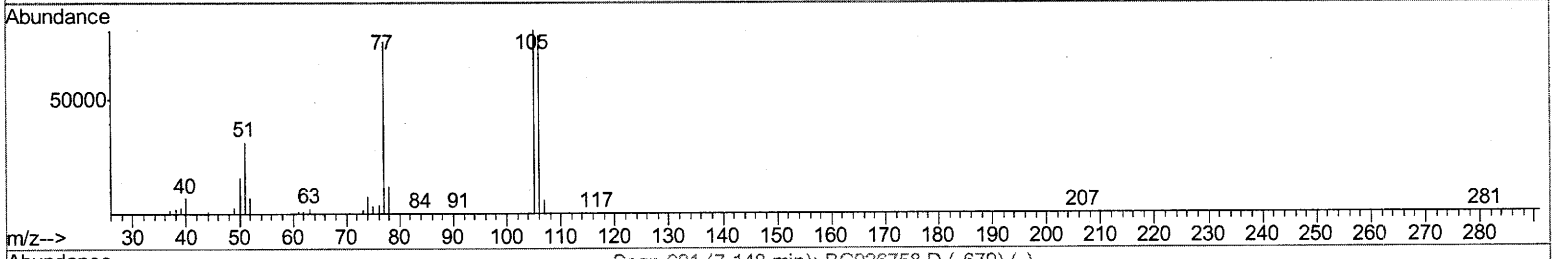
Data File : BG026765.D
Acq On : 30 Apr 2017 9:52
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

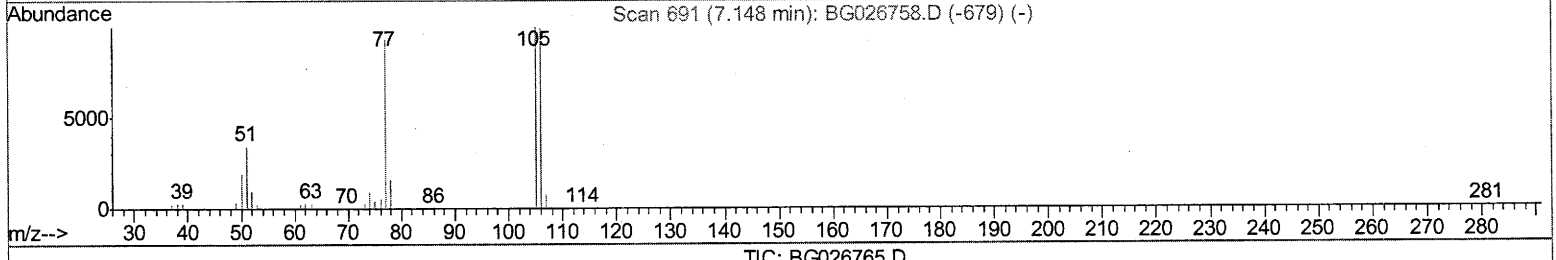
Quant Time: May 01 04:12:25 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Apr 29 01:26:17 2017
Response via : Initial Calibration

**Instrument :**
BNA_G
**LabSampleId :**
SSTD02064

**Manual Integrations APPROVED**
mohammad
5/1/2017 6:51:14 PM




TIC: BG026765.D

(4) Benzaldehyde

7.142min (-0.005) 18.14ng/ul m SJ 5/5/17

response 134159

| Ion | Exp% | Act% |
|---|---|---|
| 77.00 | 100 | 100 |
| 105.00 | 77.50 | 106.75# |
| 106.00 | 75.30 | 103.77# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA_G\Data\BG043017\

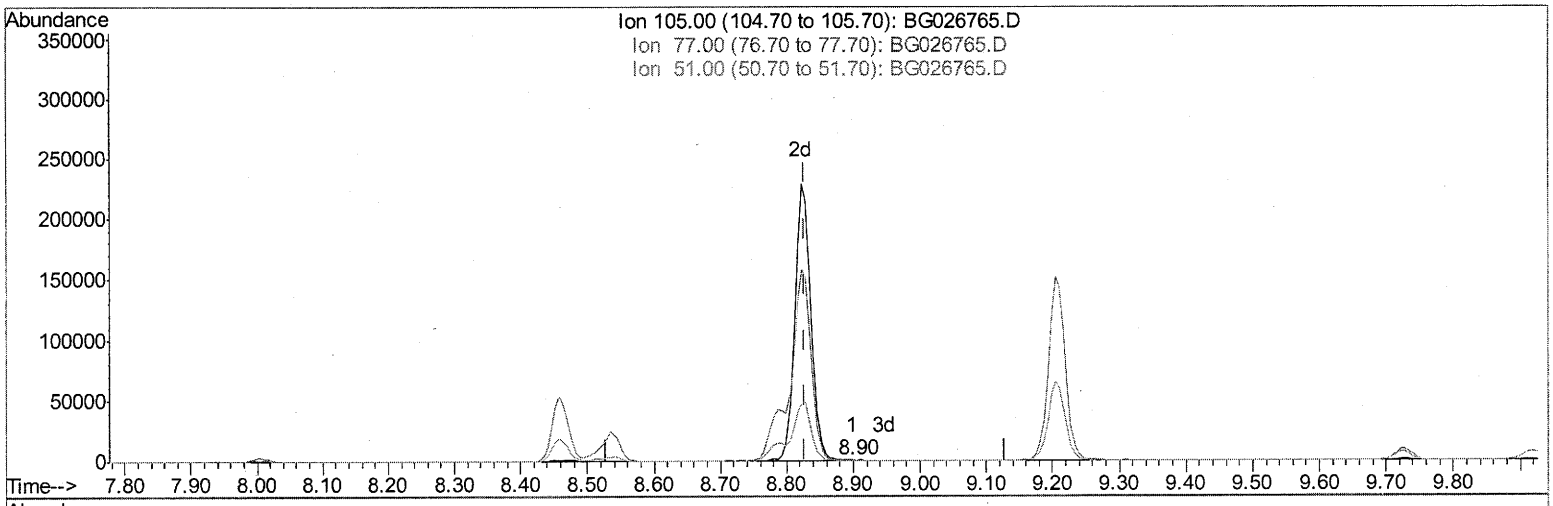
Quantitation Report (Qedit)

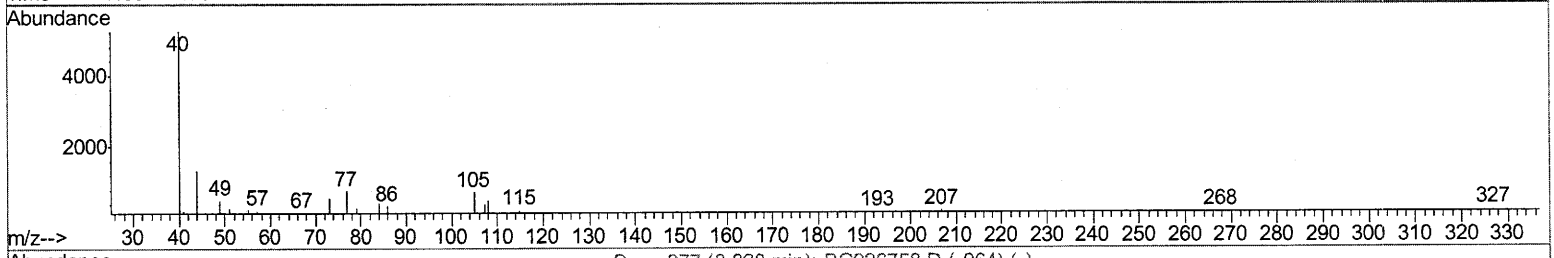
Data File : BG026765.D
Acq On : 30 Apr 2017 9:52
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

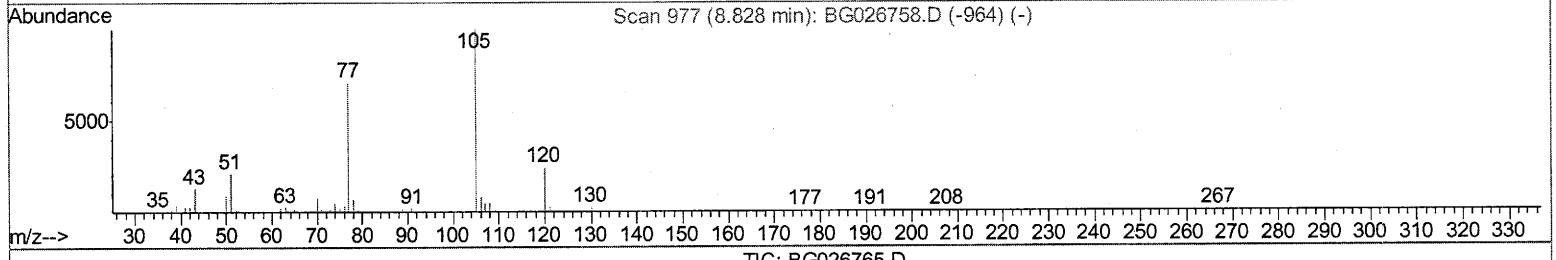
Quant Time: May 01 04:12:25 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Apr 29 01:26:17 2017
Response via : Initial Calibration

**Instrument :**
BNA_G
**LabSampleId :**
SSTD02064

**Manual Integrations APPROVED**
mohammad
5/1/2017 6:51:14 PM




TIC: BG026765.D

(14) Acetophenone

8.899min (+0.071) 0.02ng/ul

response 391

| Ion | Exp% | Act% |
|---|---|---|
| 105.00 | 100 | 100 |
| 77.00 | 95.00 | 104.58 |
| 51.00 | 43.50 | 41.45 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA_G\Data\BG043017\

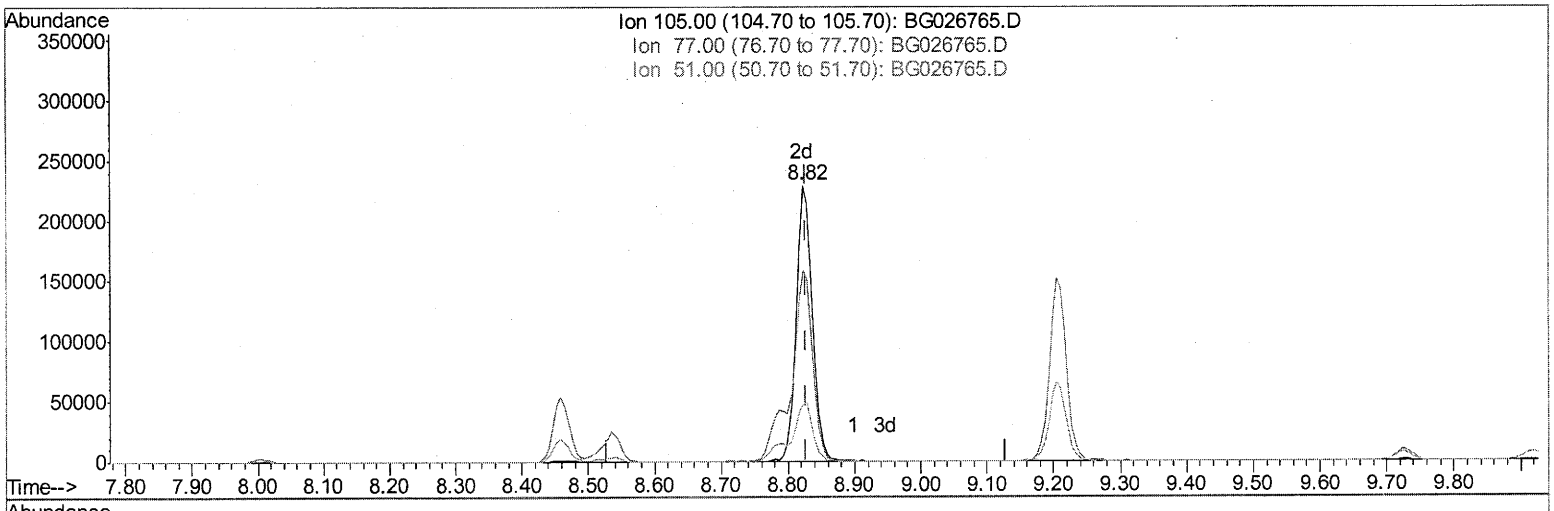
Quantitation Report (Qedit)

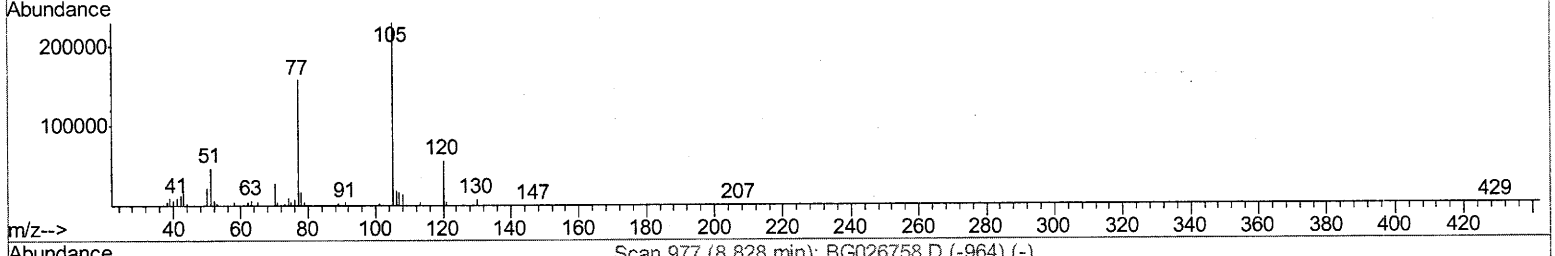
Data File : BG026765.D
Acq On : 30 Apr 2017 9:52
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

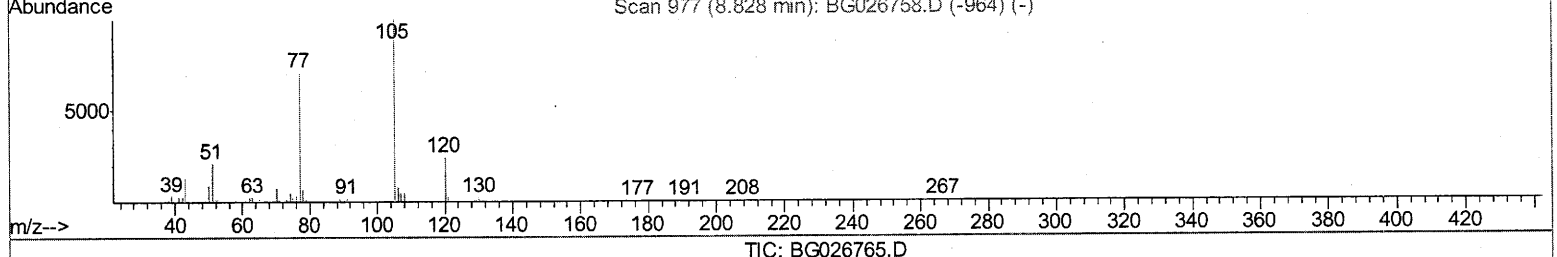
Quant Time: May 01 04:12:25 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Apr 29 01:26:17 2017
Response via : Initial Calibration

**Instrument :**
BNA_G
**LabSampleId :**
SSTD02064

**Manual Integrations APPROVED**
mohammad
5/1/2017 6:51:14 PM




TIC: BG026765.D

(14) Acetophenone

8.823min (-0.005) 20.92ng/ul m SJ 5/5/17

response 390161

| Ion | Exp% | Act% |
|---|---|---|
| 105.00 | 100 | 100 |
| 77.00 | 95.00 | 69.06# |
| 51.00 | 43.50 | 20.93# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA_G\Data\BG043017\

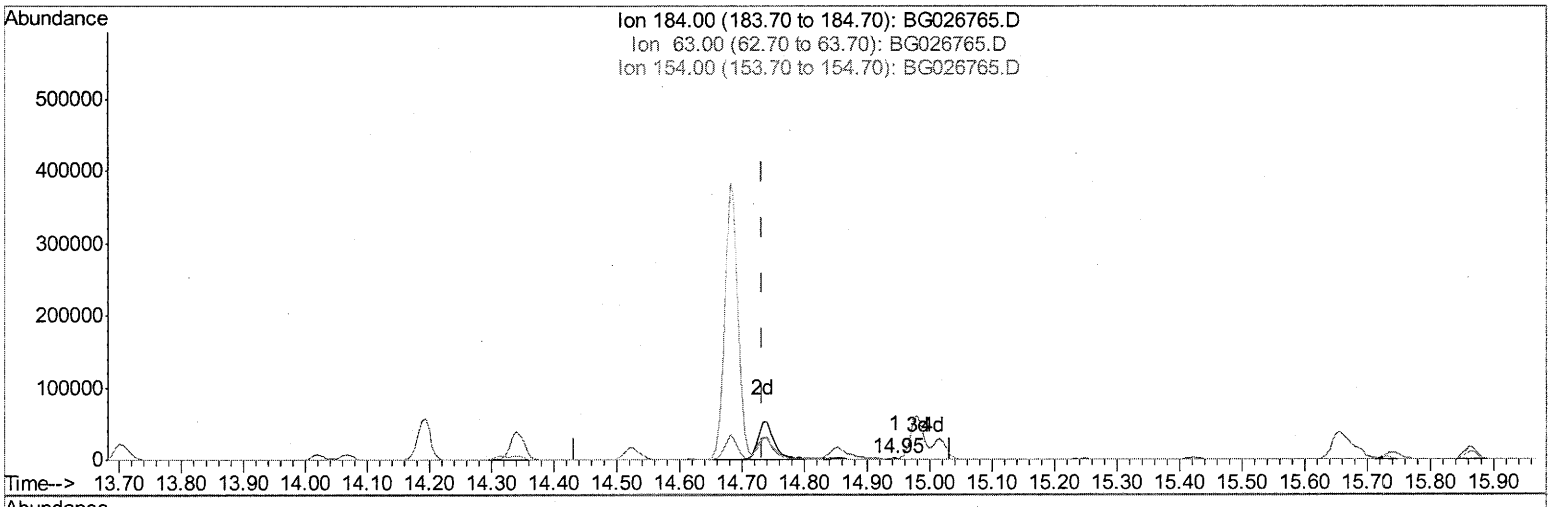
Quantitation Report (Qedit)

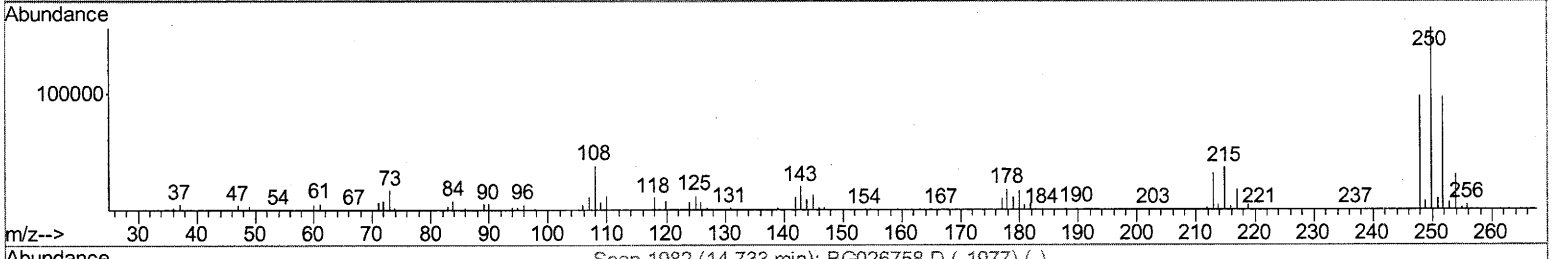
Data File : BG026765.D
Acq On : 30 Apr 2017 9:52
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

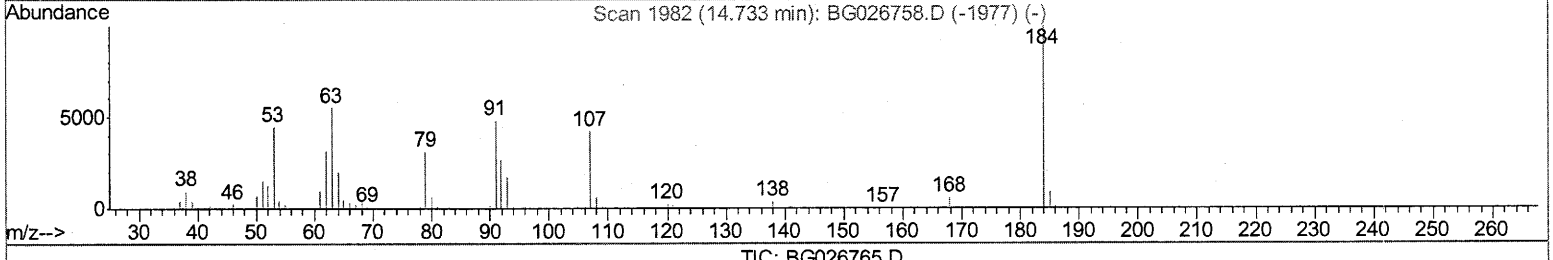
Quant Time: May 01 04:12:25 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Apr 29 01:26:17 2017
Response via : Initial Calibration

**Instrument :**
BNA_G
**LabSampleId :**
SSTD02064

**Manual Integrations APPROVED**
mohammad
5/1/2017 6:51:14 PM




TIC: BG026765.D

(50) 2,4-Dinitrophenol

14.945min (+0.212) 0.32ng/ul

response 1328

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100 | 100 |
| 63.00 | 81.40 | 76.38 |
| 154.00 | 85.30 | 88.10 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA_G\Data\BG043017\

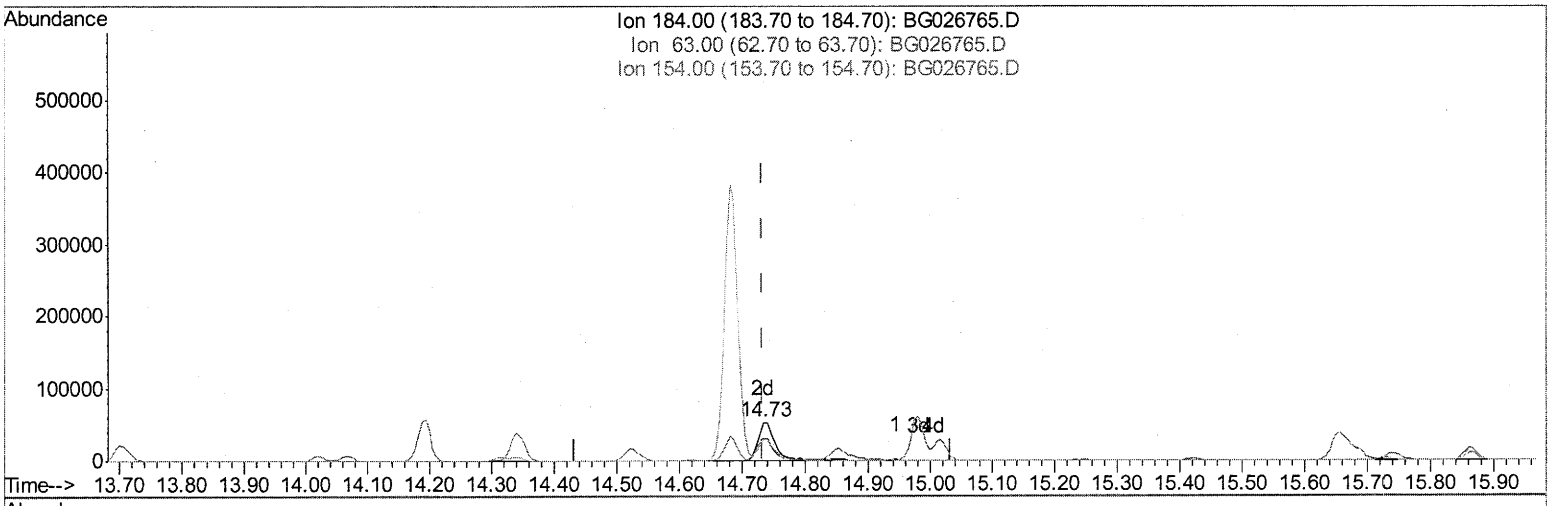
Quantitation Report (Qedit)

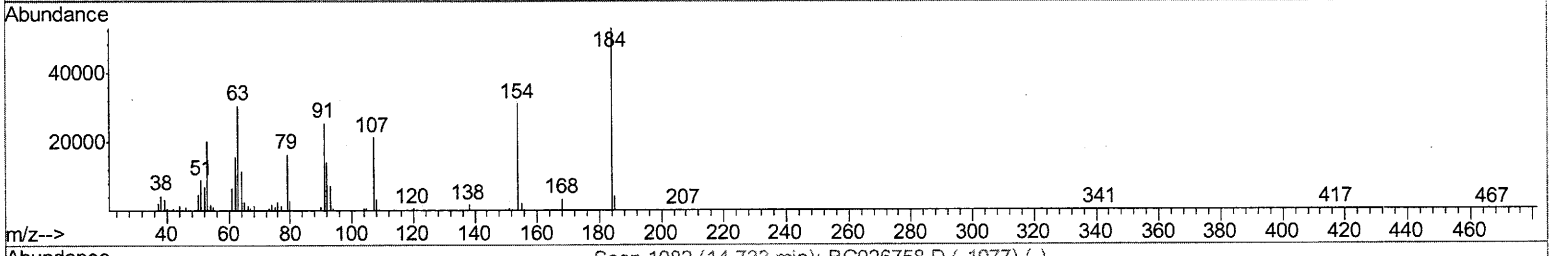
Data File : BG026765.D
Acq On : 30 Apr 2017 9:52
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

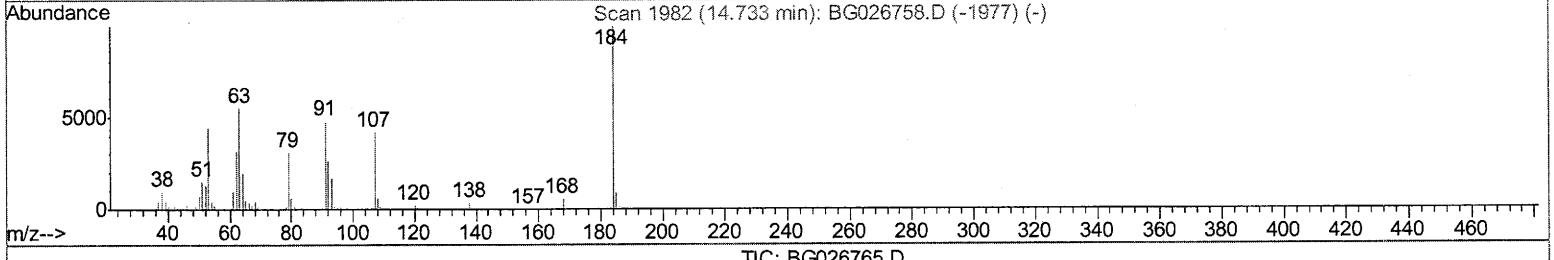
Quant Time: May 01 04:12:25 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Apr 29 01:26:17 2017
Response via : Initial Calibration

**Instrument :**
BNA_G
**LabSampleId :**
SSTD02064

**Manual Integrations APPROVED**
mohammad
5/1/2017 6:51:14 PM




TIC: BG026765.D

(50) 2,4-Dinitrophenol

14.733min (+0.001) 23.31ng/ul m SJ 5/5/17

response 95646

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100 | 100 |
| 63.00 | 81.40 | 57.67# |
| 154.00 | 85.30 | 58.80# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA_G\Data\BG043017\

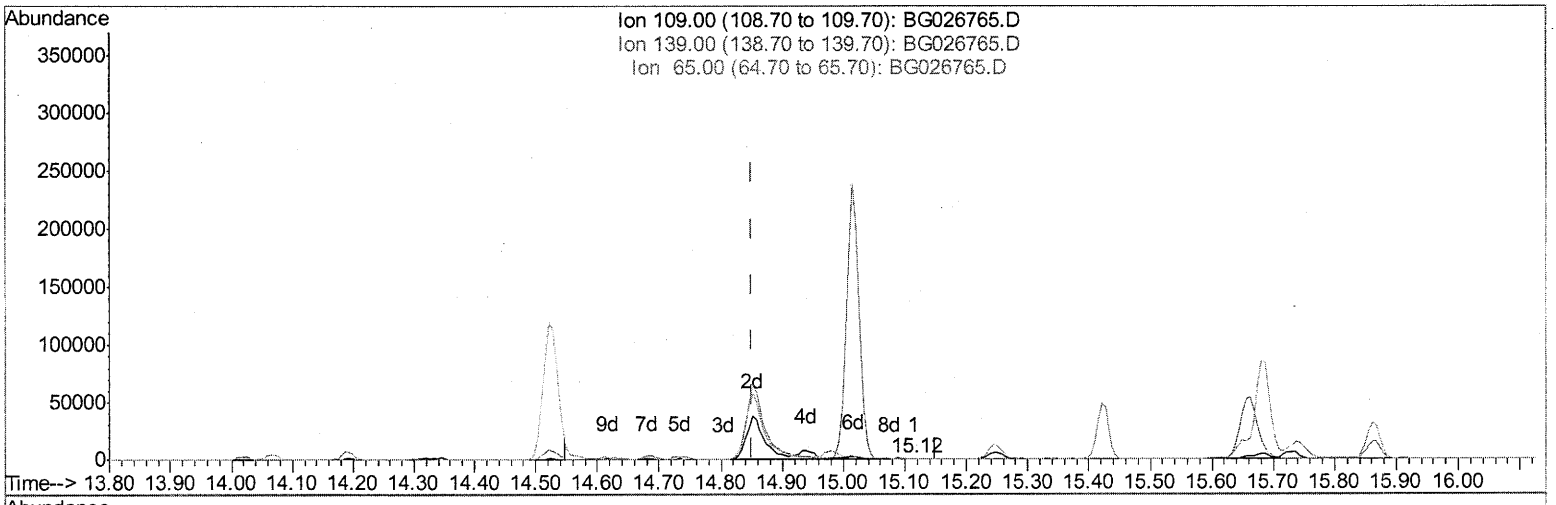
Quantitation Report (Qedit)

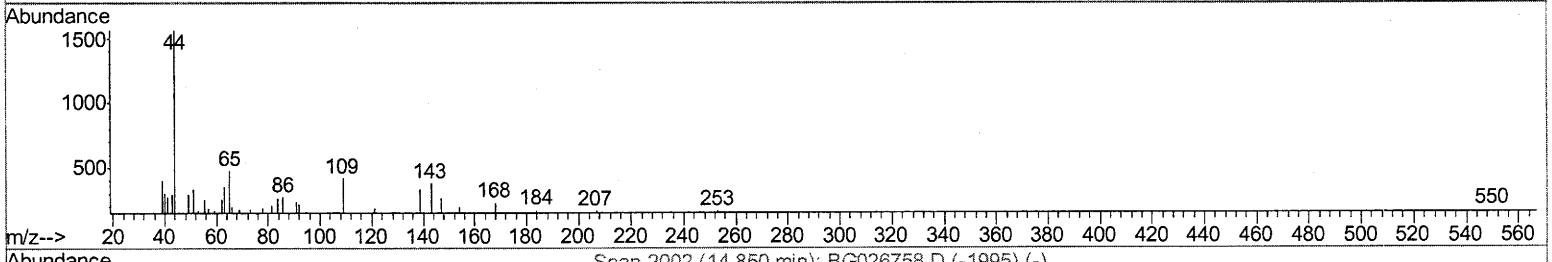
Data File : BG026765.D
Acq On : 30 Apr 2017 9:52
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

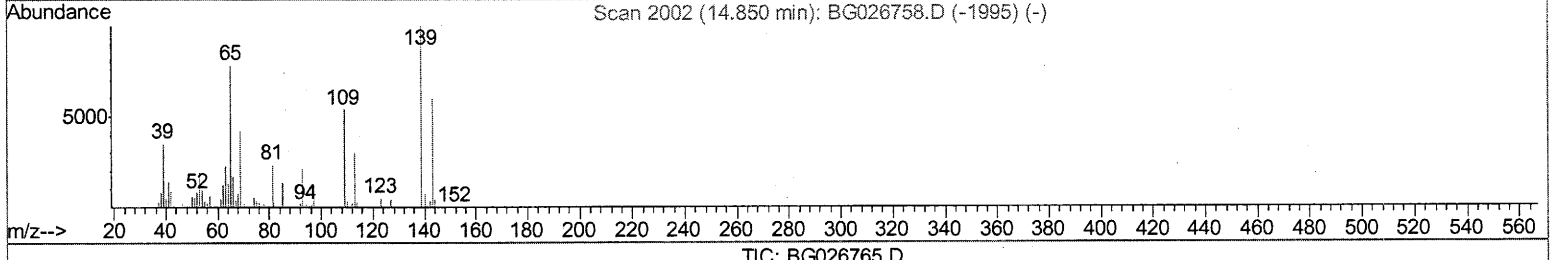
Quant Time: May 01 04:12:25 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Apr 29 01:26:17 2017
Response via : Initial Calibration

**Instrument :**
BNA_G
**LabSampleId :**
SSTD02064

**Manual Integrations APPROVED**
mohammad
5/1/2017 6:51:14 PM




TIC: BG026765.D

(52) 4-Nitrophenol

15.115min (+0.265) 0.10ng/ul

response 430

| Ion | Exp% | Act% |
|---|---|---|
| 109.00 | 100 | 100 |
| 139.00 | 78.20 | 79.38 |
| 65.00 | 113.00 | 113.51 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA_G\Data\BG043017\

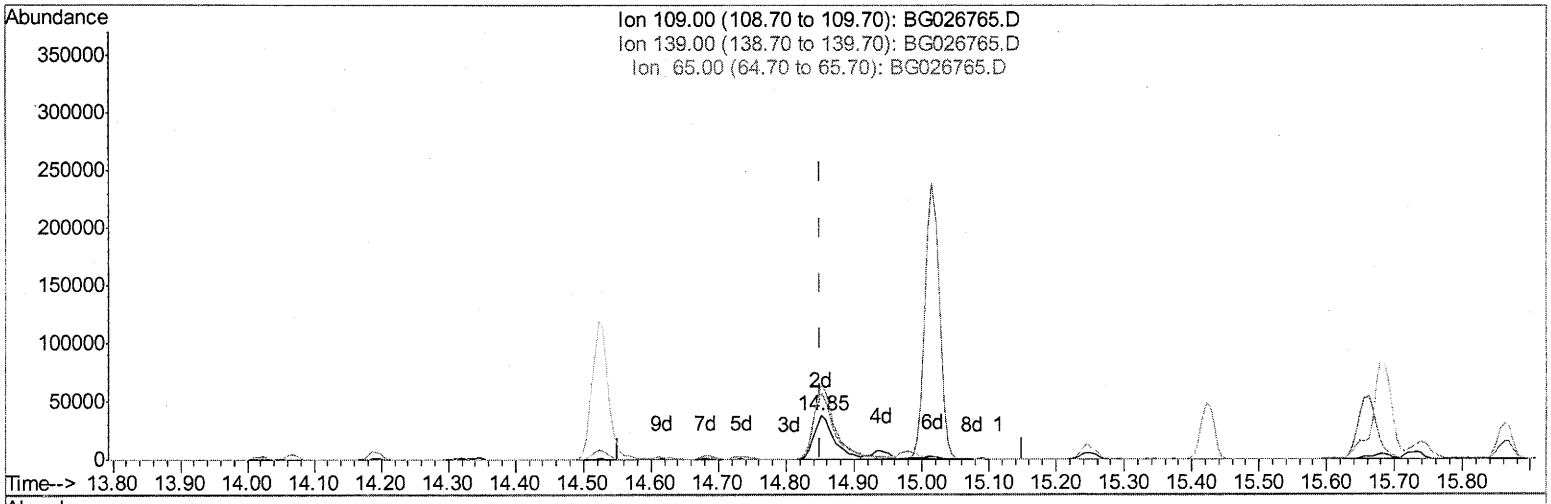
Quantitation Report (Qedit)

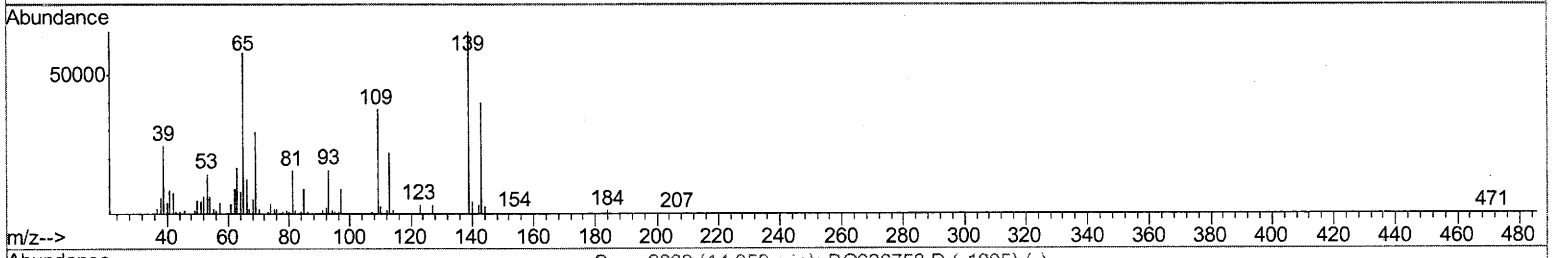
Data File : BG026765.D
Acq On : 30 Apr 2017 9:52
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

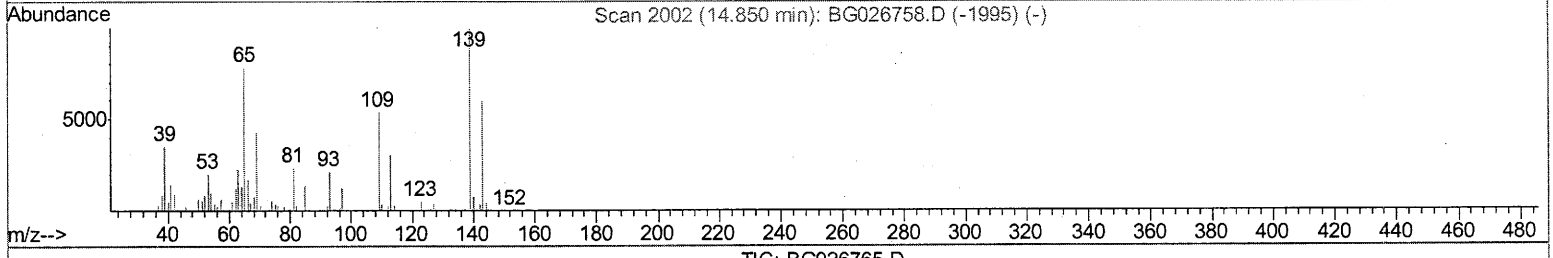
Quant Time: May 01 04:12:25 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Apr 29 01:26:17 2017
Response via : Initial Calibration

**Instrument :**
BNA_G
**LabSampleId :**
SSTD02064

**Manual Integrations APPROVED**
mohammad
5/1/2017 6:51:14 PM




TIC: BG026765.D

(52) 4-Nitrophenol

14.851min (+0.001) 19.00ng/ul m SJ 5/5/17

response 78011

| Ion | Exp% | Act% |
|---|---|---|
| 109.00 | 100 | 100 |
| 139.00 | 78.20 | 174.00# |
| 65.00 | 113.00 | 154.20# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA_G\Data\BG043017\

Quantitation Report (QT Reviewed)

Data File : BG026765.D
Acq On : 30 Apr 2017 9:52
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 04:14:45 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Apr 29 01:26:17 2017
Response via : Initial Calibration

**Instrument :** BNA_G
**LabSampleId :** SSTD02064

**Manual Integrations APPROVED**
mohammad
5/1/2017 6:51:14 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.01 | 152 | 171455 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.81 | 136 | 862034 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.62 | 164 | 482580 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.35 | 188 | 937625 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.60 | 240 | 860546 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 24.76 | 264 | 893593 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.42 | 96 | 29293 | 7.69 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.18 | 99 | 333243 | 21.78 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.33 | 67 | 185013 | 20.56 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.54 | 132 | 270223 | 20.80 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.72 | 113 | 275811 | 21.72 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.16 | 128 | 143822 | 19.96 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.89 | 143 | 158997 | 20.29 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.44 | 165 | 259427 | 20.83 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.94 | 131 | 372243 | 22.33 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.02 | 166 | 769014 | 19.80 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.32 | 160 | 996014 | 20.41 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.84 | 143 | 134707 | 19.24 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.61 | 176 | 679215 | 20.03 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.73 | 200 | 116157 | 20.40 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.45 | 188 | 922931 | 20.28 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.73 | 212 | 871866 | 19.19 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 24.54 | 264 | 851797 | 20.16 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.46 | 88 | 32414 | 7.46 | ng/uL# | 79 |
| 4) Benzaldehyde | 7.14 | 77 | 134159m | 18.14 | ng/ul | |
| 6) Phenol | 7.21 | 94 | 340845 | 21.98 | ng/ul# | 75 |
| 8) Bis(2-Chloroethyl)ether | 7.42 | 93 | 243759 | 20.36 | ng/ul | 85 |
| 10) 2-Chlorophenol | 7.58 | 128 | 263526 | 20.62 | ng/ul# | 81 |
| 11) 2-Methylphenol | 8.46 | 108 | 270164 | 22.01 | ng/ul | 93 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.53 | 45 | 265824 | 21.27 | ng/ul# | 84 |
| 14) Acetophenone | 8.82 | 105 | 390161m | 20.92 | ng/ul | |
| 15) N-Nitroso-di-n-propylamine | 8.81 | 70 | 188721 | 20.51 | ng/ul# | 72 |
| 16) 4-Methylphenol | 8.79 | 108 | 298248 | 22.21 | ng/ul | 96 |
| 17) Hexachloroethane | 9.09 | 117 | 96503 | 20.07 | ng/ul# | 71 |
| 20) Nitrobenzene | 9.20 | 77 | 272328 | 19.59 | ng/ul# | 77 |
| 21) Isophorone | 9.73 | 82 | 525057 | 19.67 | ng/ul# | 90 |
| 23) 2-Nitrophenol | 9.92 | 139 | 167799 | 20.37 | ng/ul# | 58 |
| 24) 2,4-Dimethylphenol | 9.99 | 107 | 305661 | 20.35 | ng/ul# | 79 |
| 25) Bis(2-Chloroethoxy)methane | 10.20 | 93 | 354131 | 19.42 | ng/ul# | 94 |
| 27) 2,4-Dichlorophenol | 10.47 | 162 | 255504 | 20.57 | ng/ul | 96 |
| 28) Naphthalene | 10.86 | 128 | 876603 | 19.53 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.97 | 127 | 349122 | 22.20 | ng/ul | 98 |
| 31) Hexachlorobutadiene | 11.14 | 225 | 118916 | 18.93 | ng/ul | 90 |
| 32) Caprolactam | 11.71 | 113 | 98453 | 21.22 | ng/ul# | 62 |
| 33) 4-Chloro-3-methylphenol | 12.10 | 107 | 300134 | 22.29 | ng/ul | 87 |
| 34) 2-Methylnaphthalene | 12.45 | 142 | 655658 | 19.69 | ng/ul | 95 |

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Data Path : Z:\HPCHEM1\BNA_G\Data\BG043017\

Quantitation Report (QT Reviewed)

Data File : BG026765.D
Acq On : 30 Apr 2017 9:52
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 04:14:45 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Apr 29 01:26:17 2017
Response via : Initial Calibration

**Instrument :** BNA_G
**LabSampleId :** SSTD02064

**Manual Integrations APPROVED**
mohammad
5/1/2017 6:51:14 PM

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.82 | 216 | 247561 | 19.46 ng/ul# | 94 |
| 37) Hexachlorocyclopentadiene | 12.81 | 237 | 136731 | 24.39 ng/ul | 96 |
| 38) 2,4,6-Trichlorophenol | 13.06 | 196 | 183774 | 21.00 ng/ul | 95 |
| 39) 2,4,5-Trichlorophenol | 13.15 | 196 | 191402 | 21.15 ng/ul | 97 |
| 40) 1,1'-Biphenyl | 13.45 | 154 | 806213 | 19.87 ng/ul | 98 |
| 41) 2-Chloronaphthalene | 13.50 | 162 | 606583 | 19.89 ng/ul | 95 |
| 42) 2-Nitroaniline | 13.70 | 65 | 189260 | 21.72 ng/ul# | 73 |
| 44) Dimethylphthalate | 14.07 | 163 | 755671 | 19.87 ng/ul | 98 |
| 45) 2,6-Dinitrotoluene | 14.19 | 165 | 164838 | 20.54 ng/ul# | 83 |
| 47) Acenaphthylene | 14.35 | 152 | 1000676 | 20.13 ng/ul | 99 |
| 48) 3-Nitroaniline | 14.52 | 138 | 175406 | 20.77 ng/ul# | 76 |
| 49) Acenaphthene | 14.68 | 153 | 681317 | 19.71 ng/ul | 96 |
| 50) 2,4-Dinitrophenol | 14.73 | 184 | 95646m | 23.31 ng/ul | |
| 52) 4-Nitrophenol | 14.85 | 109 | 78011m | 19.00 ng/ul | |
| 53) Dibenzofuran | 15.02 | 168 | 915147 | 19.89 ng/ul | 95 |
| 54) 2,4-Dinitrotoluene | 14.98 | 165 | 234339 | 20.40 ng/ul# | 75 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.25 | 232 | 145937 | 20.53 ng/ul# | 76 |
| 56) Diethylphthalate | 15.42 | 149 | 792843 | 19.92 ng/ul | 97 |
| 58) Fluorene | 15.66 | 166 | 735764 | 19.59 ng/ul | 100 |
| 59) 4-Chlorophenyl-phenylether | 15.65 | 204 | 320874 | 19.60 ng/ul# | 92 |
| 60) 4-Nitroaniline | 15.69 | 138 | 162164 | 17.42 ng/ul# | 51 |
| 63) 4,6-Dinitro-2-methylphenol | 15.74 | 198 | 123228 | 20.78 ng/ul# | 89 |
| 64) N-Nitrosodiphenylamine | 15.86 | 169 | 625748 | 20.30 ng/ul | 95 |
| 65) 4-Bromophenyl-phenylether | 16.54 | 248 | 191962 | 20.52 ng/ul# | 84 |
| 66) Hexachlorobenzene | 16.67 | 284 | 200587 | 19.91 ng/ul# | 93 |
| 67) Atrazine | 16.81 | 200 | 196887 | 20.44 ng/ul# | 92 |
| 68) Pentachlorophenol | 17.01 | 266 | 97506 | 21.19 ng/ul | 93 |
| 69) Phenanthrene | 17.40 | 178 | 1046872 | 19.82 ng/ul | 99 |
| 71) Anthracene | 17.49 | 178 | 1083134 | 19.99 ng/ul | 99 |
| 72) Carbazole | 17.76 | 167 | 991550 | 21.64 ng/ul | 99 |
| 73) Di-n-butylphthalate | 18.31 | 149 | 1268127 | 21.27 ng/ul# | 97 |
| 74) Fluoranthene | 19.40 | 202 | 1082563 | 22.08 ng/ul# | 79 |
| 77) Pyrene | 19.76 | 202 | 1114115 | 19.30 ng/ul# | 76 |
| 78) Butylbenzylphthalate | 20.64 | 149 | 590485 | 22.02 ng/ul# | 81 |
| 79) 3,3'-Dichlorobenzidine | 21.49 | 252 | 362426 | 21.91 ng/ul# | 94 |
| 80) Benzo(a)anthracene | 21.58 | 228 | 1013898 | 20.15 ng/ul | 100 |
| 81) Bis(2-ethylhexyl)phthalate | 21.48 | 149 | 859320 | 22.46 ng/ul# | 98 |
| 82) Chrysene | 21.64 | 228 | 945703 | 20.23 ng/ul | 99 |
| 84) Di-n-octyl phthalate | 22.66 | 149 | 1458547 | 23.75 ng/ul | 100 |
| 85) Benzo(b)fluoranthene | 23.76 | 252 | 1037385 | 20.32 ng/ul# | 94 |
| 86) Benzo(k)fluoranthene | 23.82 | 252 | 1013433 | 20.20 ng/ul# | 93 |
| 88) Benzo(a)pyrene | 24.61 | 252 | 1006440 | 20.03 ng/ul# | 92 |
| 89) Indeno(1,2,3-cd)pyrene | 28.36 | 276 | 1212136 | 20.35 ng/ul# | 80 |
| 90) Dibenzo(a,h)anthracene | 28.41 | 278 | 1024388 | 20.28 ng/ul# | 86 |
| 91) Benzo(g,h,i)perylene | 29.48 | 276 | 1002506 | 20.29 ng/ul# | 81 |

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

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