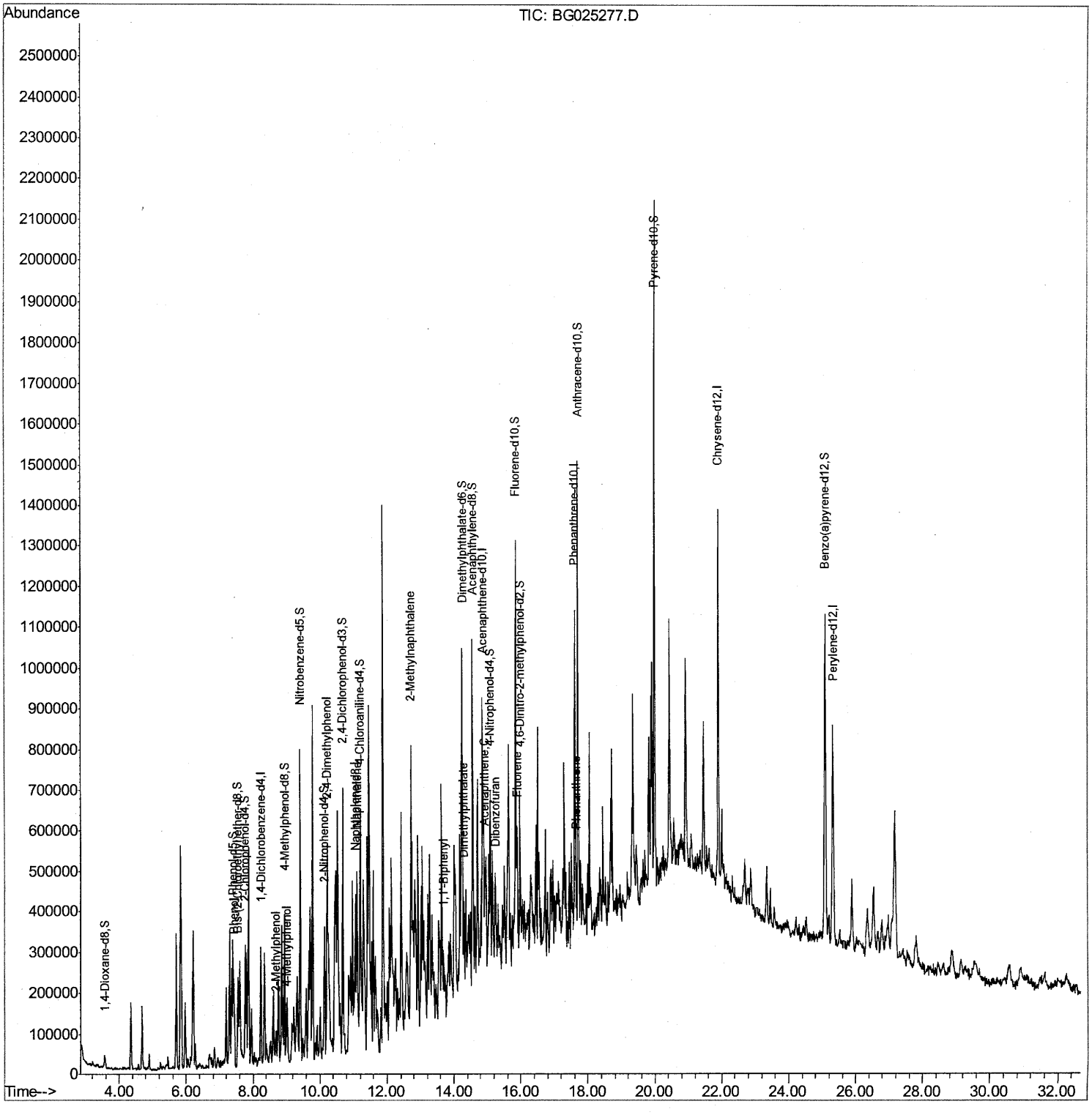
Data Path : Z:\HPCHEM1\BNA G\Data\BG121716\
Data File : BG025277.D
Acq On : 17 Dec 2016 16:51
Operator : UM/SJ
Sample : H6040-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 18 01:10:25 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Dec 18 00:18:21 2016
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
DA8X0

**Manual Integrations APPROVED**
umangi
12/20/2016 10:54:06 AM



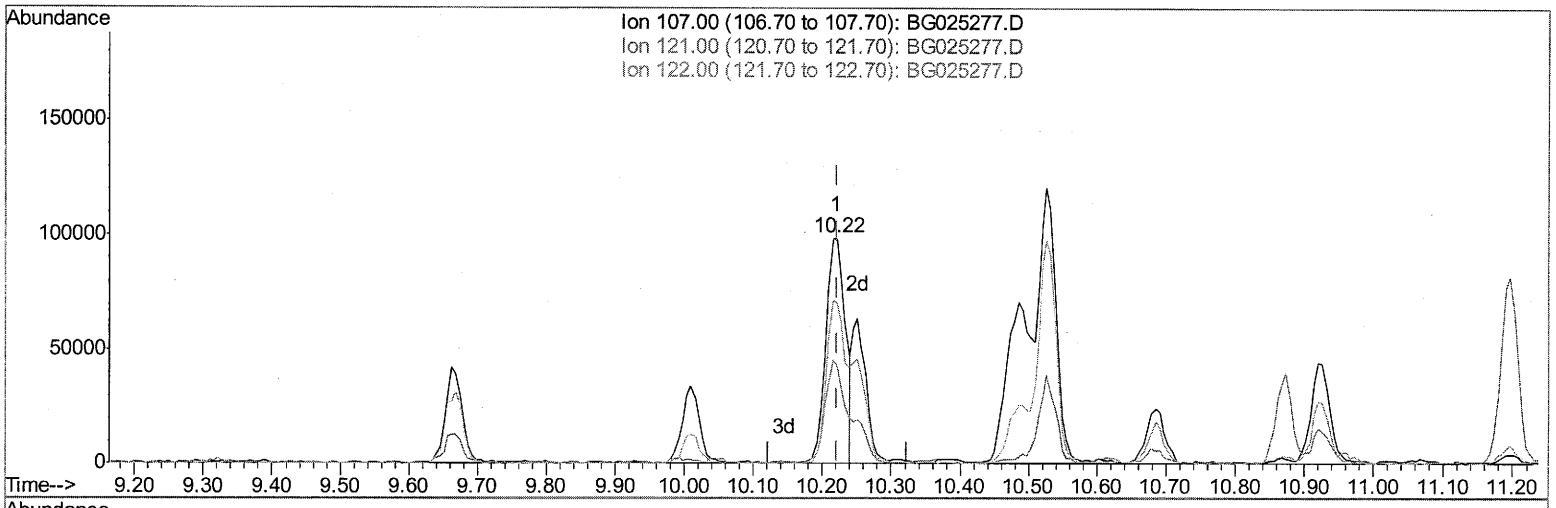
Quantitation Report (Qedit)

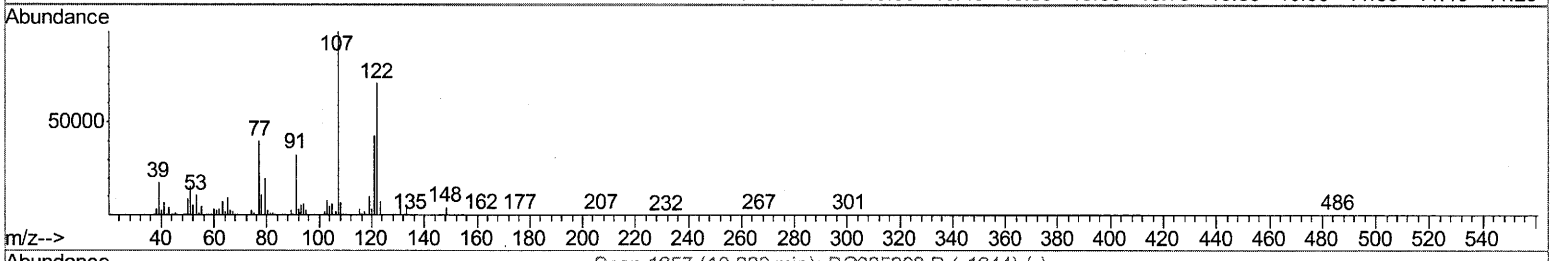
Data Path : Z:\HPCHEM1\BNA G\Data\BG121716\
Data File : BG025277.D
Acq On : 17 Dec 2016 16:51
Operator : UM/SJ
Sample : H6040-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

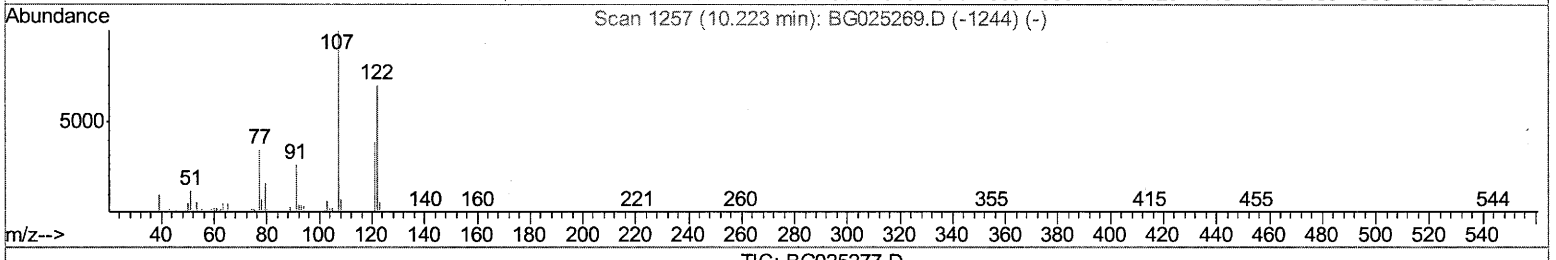
Quant Time: Dec 18 00:23:29 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Dec 18 00:18:21 2016
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
DA8X0

**Manual Integrations APPROVED**
umangi
12/20/2016 10:54:06 AM




TIC: BG025277.D

(24) 2,4-Dimethylphenol

10.221min (-0.002) 33.47ng/ul

response 191668

| Ion | Exp% | Act% |
|---|---|---|
| 107.00 | 100 | 100 |
| 121.00 | 40.40 | 43.43 |
| 122.00 | 76.50 | 71.65 |
| 0.00 | 0.00 | 0.00 |

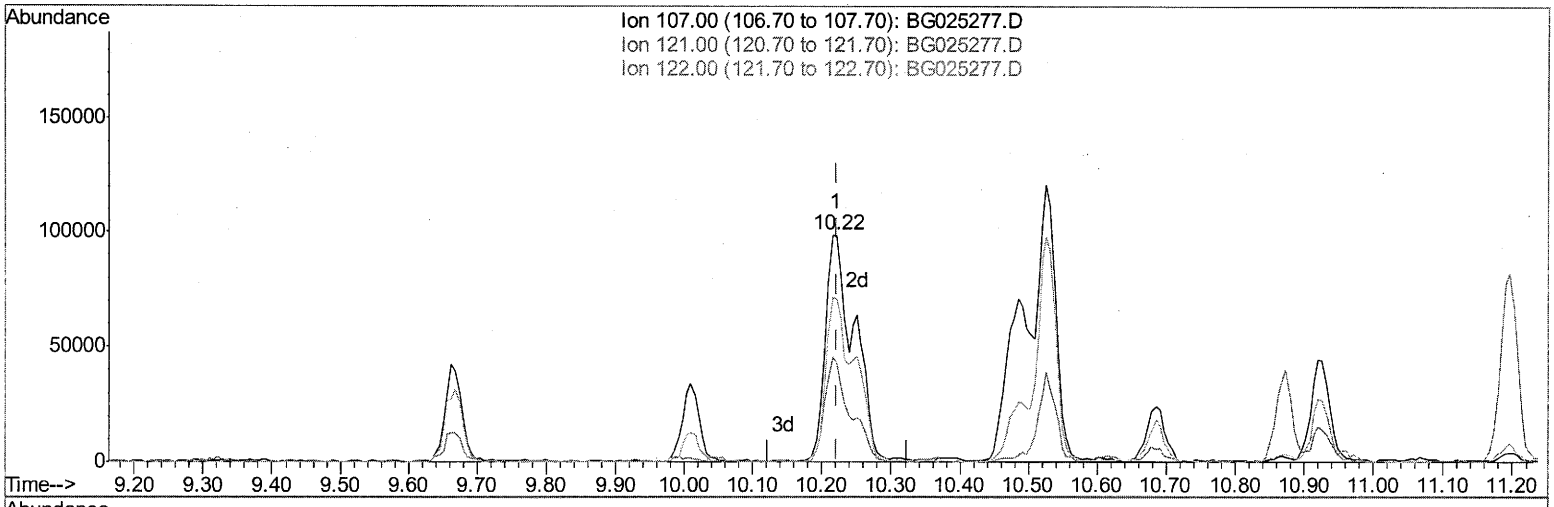
# Quantitation Report (Qedit)

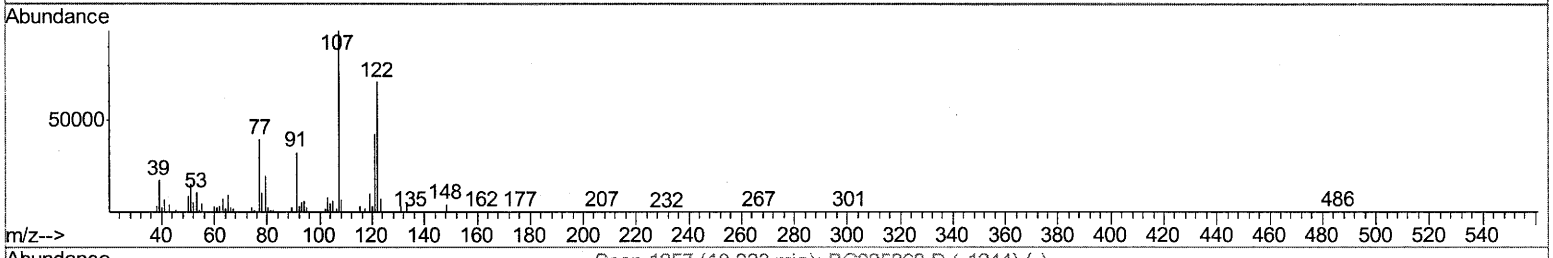
Data Path : Z:\HPCHEM1\BNA G\Data\BG121716\
Data File : BG025277.D
Acq On : 17 Dec 2016 16:51
Operator : UM/SJ
Sample : H6040-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

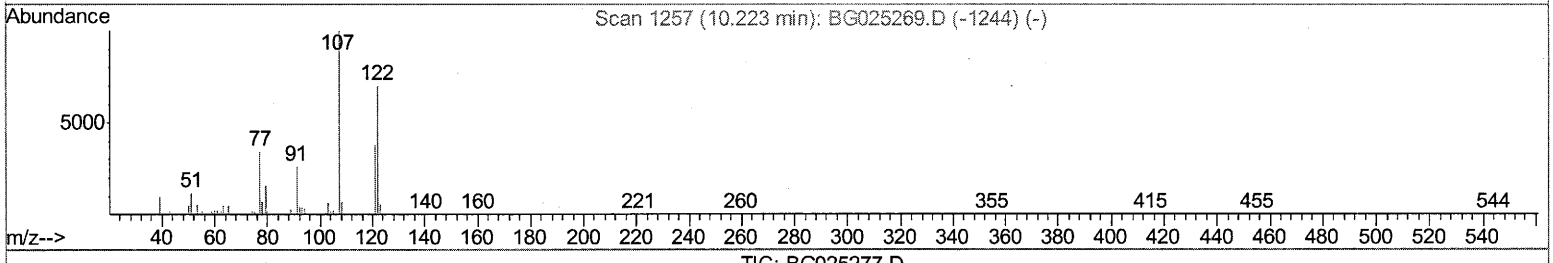
Quant Time: Dec 18 00:23:29 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Dec 18 00:18:21 2016
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
DA8X0

**Manual Integrations APPROVED**
umangi
12/20/2016 10:54:06 AM




TIC: BG025277.D

(24) 2,4-Dimethylphenol

10.221min (-0.002) 49.60ng/ul m

UM
12/19/16

response 284013

| Ion | Exp% | Act% |
|---|---|---|
| 107.00 | 100 | 100 |
| 121.00 | 40.40 | 43.43 |
| 122.00 | 76.50 | 71.65 |
| 0.00 | 0.00 | 0.00 |

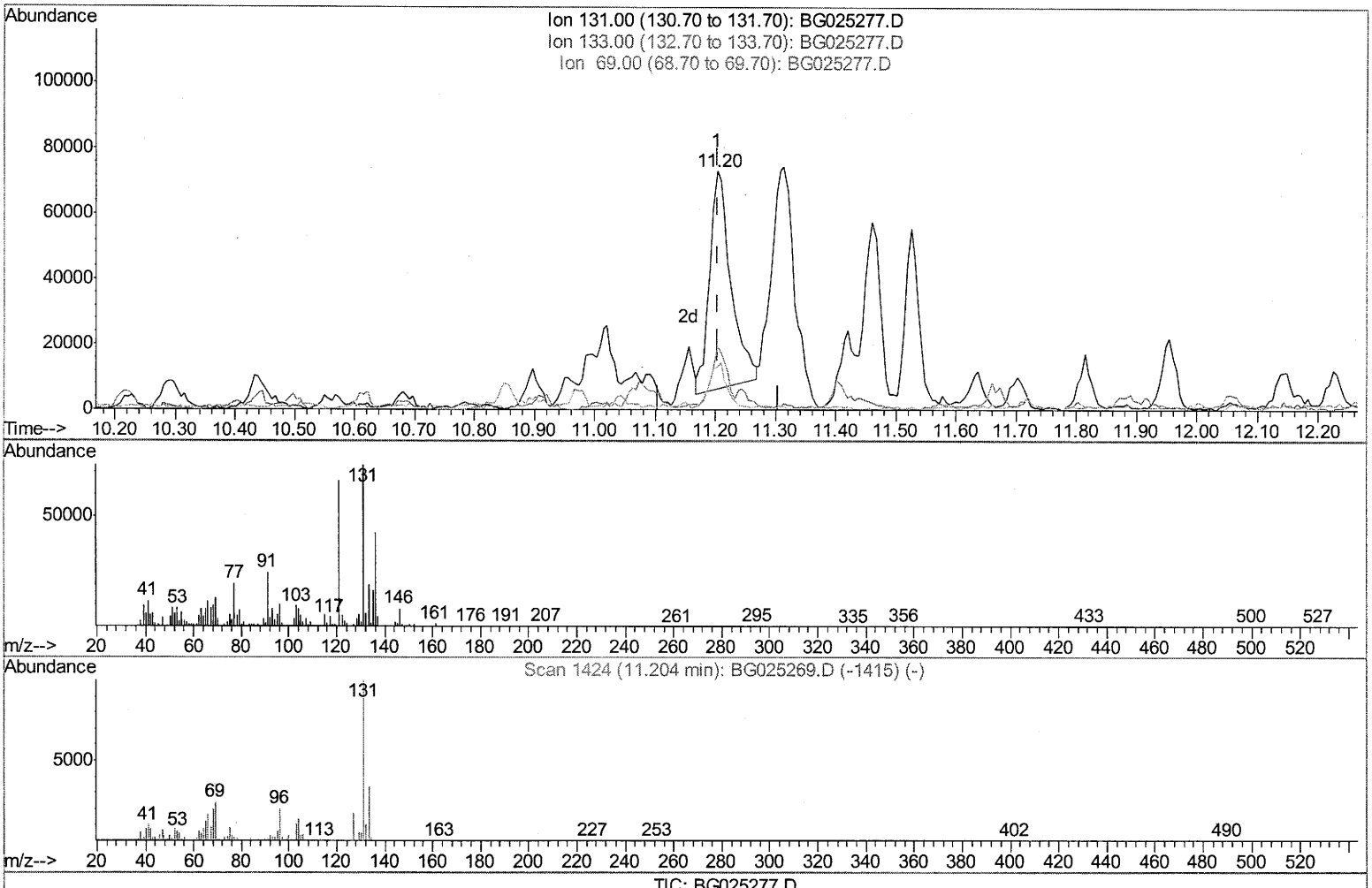
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG121716\
Data File : BG025277.D
Acq On : 17 Dec 2016 16:51
Operator : UM/SJ
Sample : H6040-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 18 00:23:29 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Dec 18 00:18:21 2016
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
DA8X0

**Manual Integrations APPROVED**
umangi
12/20/2016 10:54:06 AM







TIC: BG025277.D

(29) 4-Chloroaniline-d4 (S)

11.202min (-0.002) 35.16ng/ul

response 164068

| Ion | Exp% | Act% |
|---|---|---|
| 131.00 | 100 | 100 |
| 133.00 | 35.40 | 26.47# |
| 69.00 | 23.80 | 17.89# |
| 0.00 | 0.00 | 0.00 |

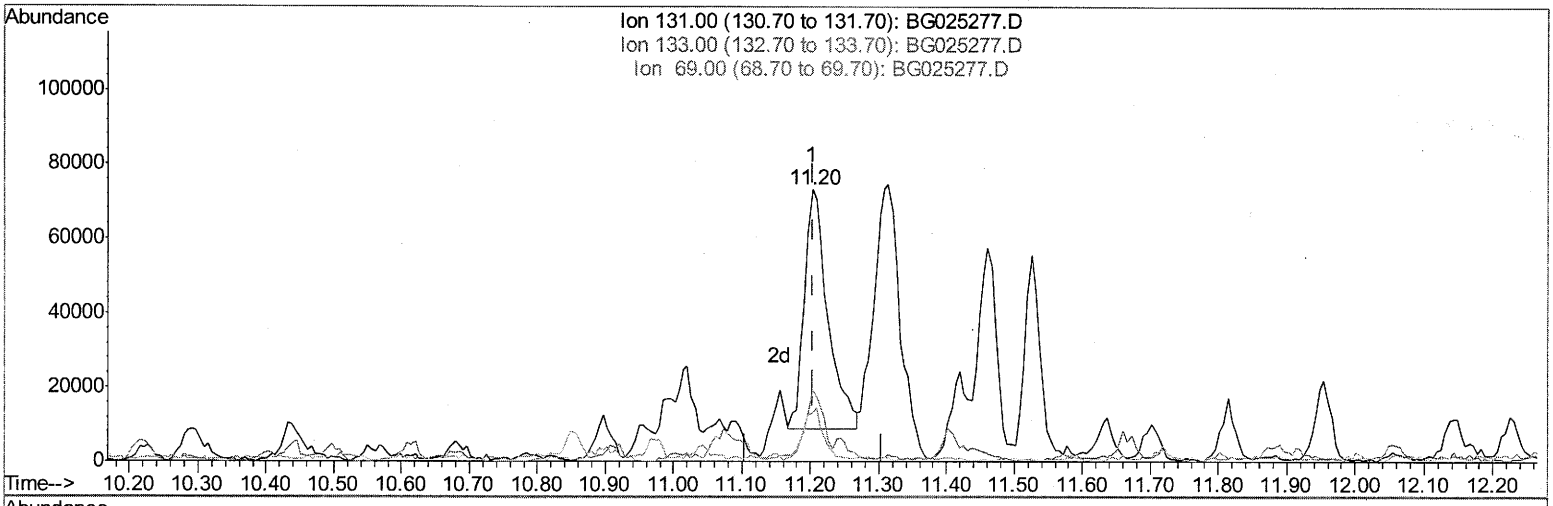
# Quantitation Report (Qedit)

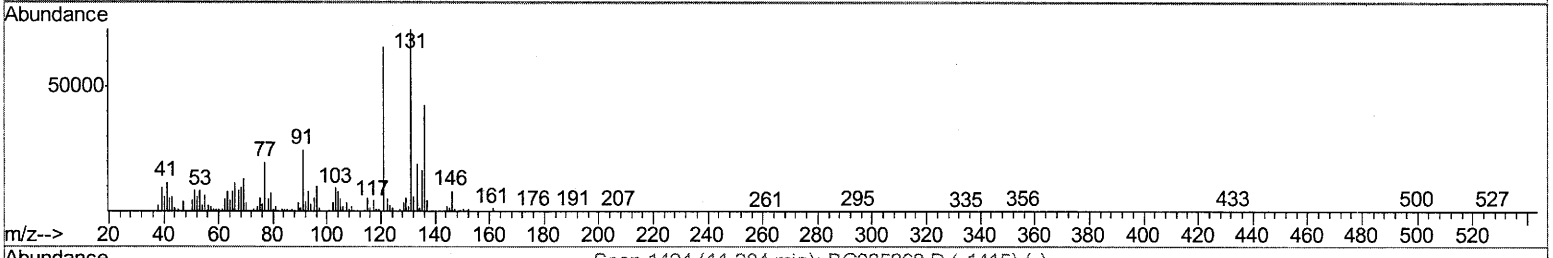
Data Path : Z:\HPCHEM1\BNA G\Data\BG121716\
Data File : BG025277.D
Acq On : 17 Dec 2016 16:51
Operator : UM/SJ
Sample : H6040-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

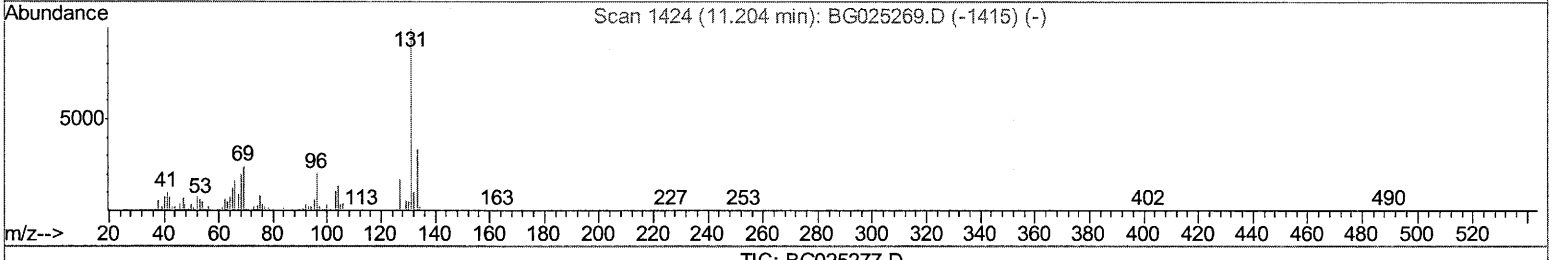
Quant Time: Dec 18 00:23:29 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Dec 18 00:18:21 2016
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
DA8X0

**Manual Integrations APPROVED**
umangi
12/20/2016 10:54:06 AM




TIC: BG025277.D

(29) 4-Chloroaniline-d4 (S)

11.202min (-0.002) 32.94ng/ul m UM

response 153700 12/19/16

| Ion | Exp% | Act% |
|---|---|---|
| 131.00 | 100 | 100 |
| 133.00 | 35.40 | 26.47# |
| 69.00 | 23.80 | 17.89# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\Data\BG121716\
Data File : BG025277.D
Acq On : 17 Dec 2016 16:51
Operator : UM/SJ
Sample : H6040-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DA8X0

Manual Integrations APPROVED
umangi
12/20/2016 10:54:06 AM

Quant Time: Dec 18 01:10:25 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Dec 18 00:18:21 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.23 | 152 | 70494 | 20.00 | ng/ul | 0.00 | |
| 18) Naphthalene-d8 | 11.06 | 136 | 279629 | 20.00 | ng/ul | 0.00 | |
| 35) Acenaphthene-d10 | 14.86 | 164 | 224563 | 20.00 | ng/ul | 0.00 | |
| 61) Phenanthrene-d10 | 17.60 | 188 | 470723 | 20.00 | ng/ul | 0.00 | |
| 75) Chrysene-d12 | 21.90 | 240 | 626237 | 20.00 | ng/ul | 0.00 | |
| 83) Perylene-d12 | 25.32 | 264 | 635318 | 20.00 | ng/ul | 0.00 | |
| **System Monitoring Compounds** | | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.58 | 96 | 16516 | 12.10 | ng/uL | 0.00 | |
| 5) Phenol-d5 | 7.39 | 99 | 163045 | 26.81 | ng/ul | 0.00 | |
| 7) Bis-(2-Chloroethyl)ether-d | 7.55 | 67 | 110233 | 29.30 | ng/ul | 0.00 | |
| 9) 2-Chlorophenol-d4 | 7.76 | 132 | 118905 | 27.96 | ng/ul | 0.00 | |
| 13) 4-Methylphenol-d8 | 8.95 | 113 | 140857 | 27.71 | ng/ul | 0.00 | |
| 19) Nitrobenzene-d5 | 9.41 | 128 | 66534 | 33.60 | ng/ul | 0.00 | |
| 22) 2-Nitrophenol-d4 | 10.14 | 143 | 74482 | 30.17 | ng/ul | 0.00 | |
| 26) 2,4-Dichlorophenol-d3 | 10.69 | 165 | 146882 | 30.94 | ng/ul | 0.00 | |
| 29) 4-Chloroaniline-d4 | 11.20 | 131 | 153700m | 32.94 | ng/ul | 0.00 | UM 12/19/16 |
| 43) Dimethylphthalate-d6 | 14.25 | 166 | 471682 | 30.54 | ng/ul | 0.00 | |
| 46) Acenaphthylene-d8 | 14.56 | 160 | 542825 | 32.08 | ng/ul | 0.00 | |
| 51) 4-Nitrophenol-d4 | 15.09 | 143 | 82679 | 31.14 | ng/ul | 0.00 | |
| 57) Fluorene-d10 | 15.84 | 176 | 447509 | 30.78 | ng/ul | 0.00 | |
| 62) 4,6-Dinitro-2-methylphenol | 15.98 | 200 | 98247 | 33.76 | ng/ul | 0.00 | |
| 70) Anthracene-d10 | 17.70 | 188 | 691909 | 34.83 | ng/ul | 0.00 | |
| 76) Pyrene-d10 | 19.97 | 212 | 844601 | 32.74 | ng/ul | 0.00 | |
| 87) Benzo(a)pyrene-d12 | 25.08 | 264 | 873101 | 33.92 | ng/ul | 0.00 | |
| **Target Compounds** | | | | | | Qvalue | |
| 6) Phenol | 7.42 | 94 | 26170 | 4.19 | ng/ul# | 72 | |
| 11) 2-Methylphenol | 8.68 | 108 | 19171 | 4.17 | ng/ul | 99 | |
| 16) 4-Methylphenol | 9.00 | 108 | 18012 | 3.52 | ng/ul# | 68 | |
| 24) 2,4-Dimethylphenol | 10.22 | 107 | 284013m | 49.60 | ng/ul | | UM 12/19/16 |
| 28) Naphthalene | 11.11 | 128 | 314738 | 24.21 | ng/ul | 98 | |
| 34) 2-Methylnaphthalene | 12.70 | 142 | 324721 | 31.66 | ng/ul | 99 | |
| 40) 1,1'-Biphenyl | 13.69 | 154 | 66810 | 4.91 | ng/ul | 98 | |
| 44) Dimethylphthalate | 14.30 | 163 | 114560 | 7.55 | ng/ul# | 97 | |
| 49) Acenaphthene | 14.92 | 153 | 23667 | 2.10 | ng/ul# | 80 | |
| 53) Dibenzofuran | 15.25 | 168 | 67165 | 3.77 | ng/ul | 97 | |
| 58) Fluorene | 15.90 | 166 | 95979 | 6.61 | ng/ul | 96 | |
| 69) Phenanthrene | 17.64 | 178 | 92674 | 4.12 | ng/ul | 99 | |

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