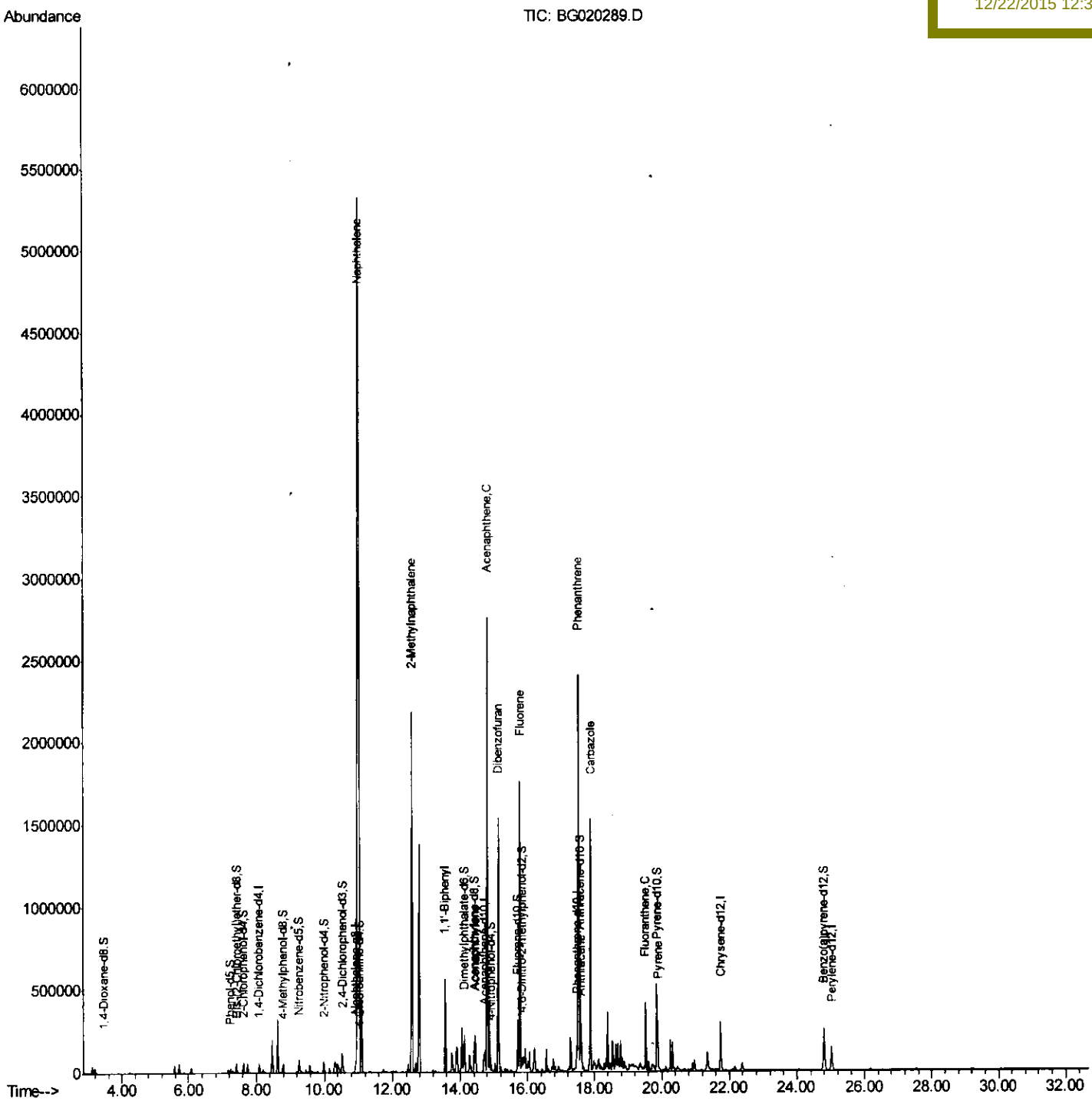
Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020289.D
Acq On : 19 Dec 2015 00:07
Operator : UM/SJ
Sample : G4768-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 21 10:27:01 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 19 00:45:12 2015
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
D9N34

**Manual Integrations APPROVED**
apatel
12/22/2015 12:35:18 PM



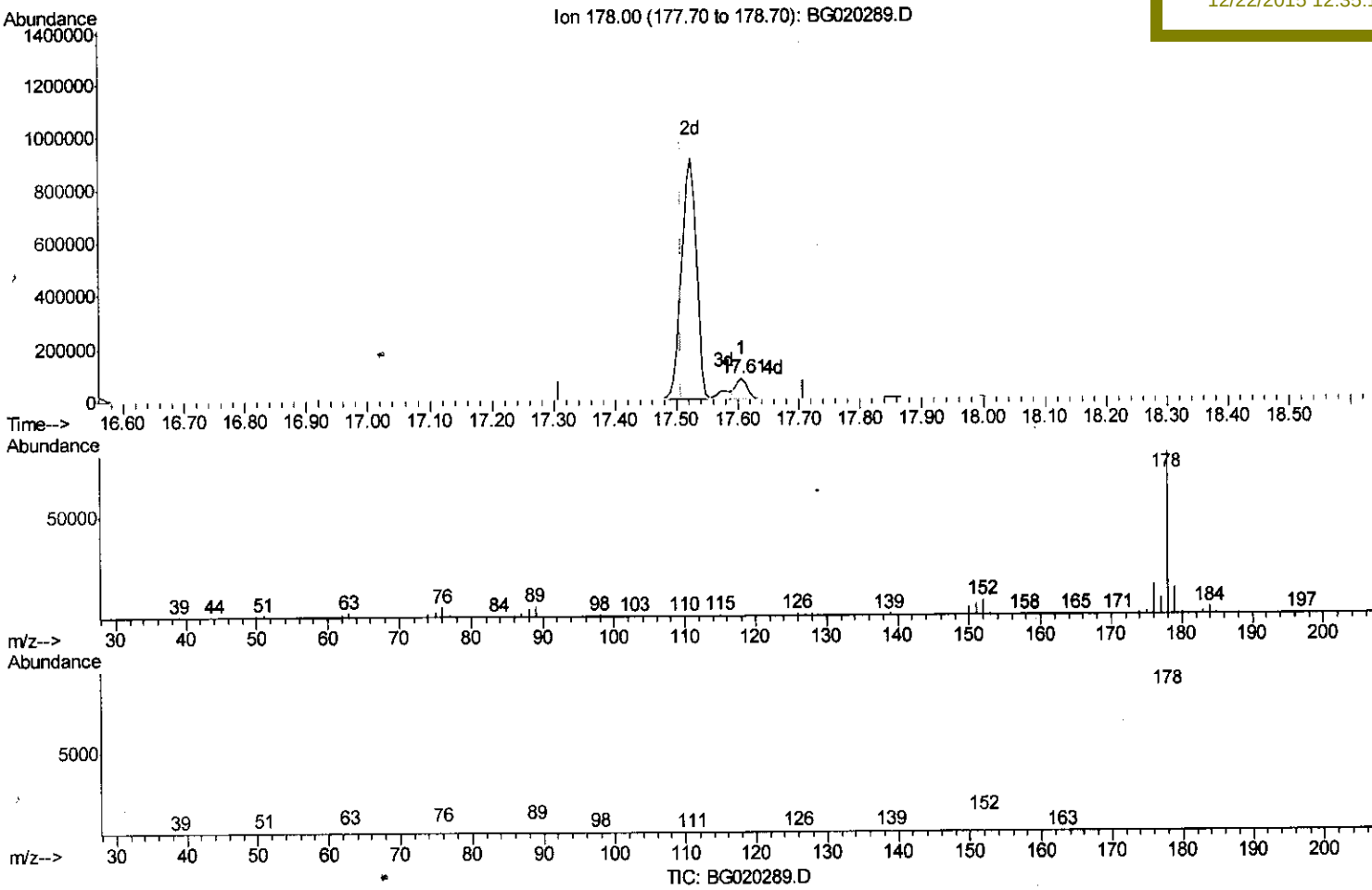
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG121915\
Data File : BG020289.D
Acq On : 19 Dec 2015 00:07
Operator : UM/SJ
Sample : G4768-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 19 00:52:12 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 19 00:45:12 2015
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
D9N34

**Manual Integrations APPROVED**
apatel
12/22/2015 12:35:18 PM




TIC: BG020289.D

(70) Phenanthrene

17.606min (+0.098) 15.43ng/ul

response 105430

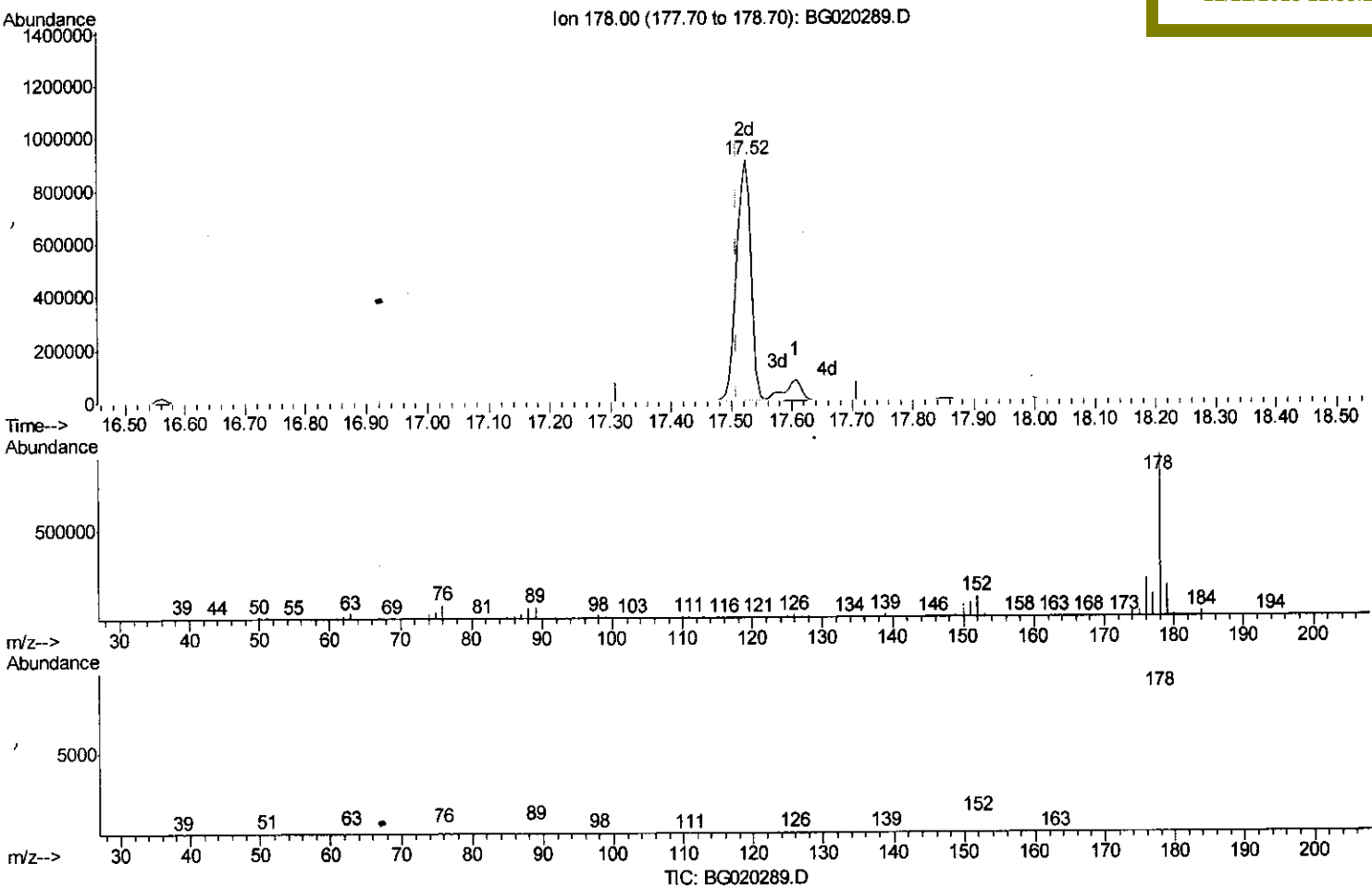
| Ion | Exp% | Act% |
|---|---|---|
| 178.00 | 100 | 100 |
| 179.00 | 16.10 | 16.82 |
| 176.00 | 19.10 | 18.46 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA_G\Data\BG121915\
Data File : BG020289.D
Acq On : 19 Dec 2015 00:07
Operator : UM/SJ
Sample : G4768-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 19 00:52:12 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 19 00:45:12 2015
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
D9N34

**Manual Integrations APPROVED**
apatel
12/22/2015 12:35:18 PM




TIC: BG020289.D

(70) Phenanthrene

17.524min (+0.015) 225.87ng/ul m U, M 12/22/15

response 1543080

| Ion | Exp% | Act% |
|---|---|---|
| 178.00 | 100 | 100 |
| 179.00 | 16.10 | 19.45# |
| 176.00 | 19.10 | 23.14# |
| 0.00 | 0.00 | 0.00 |

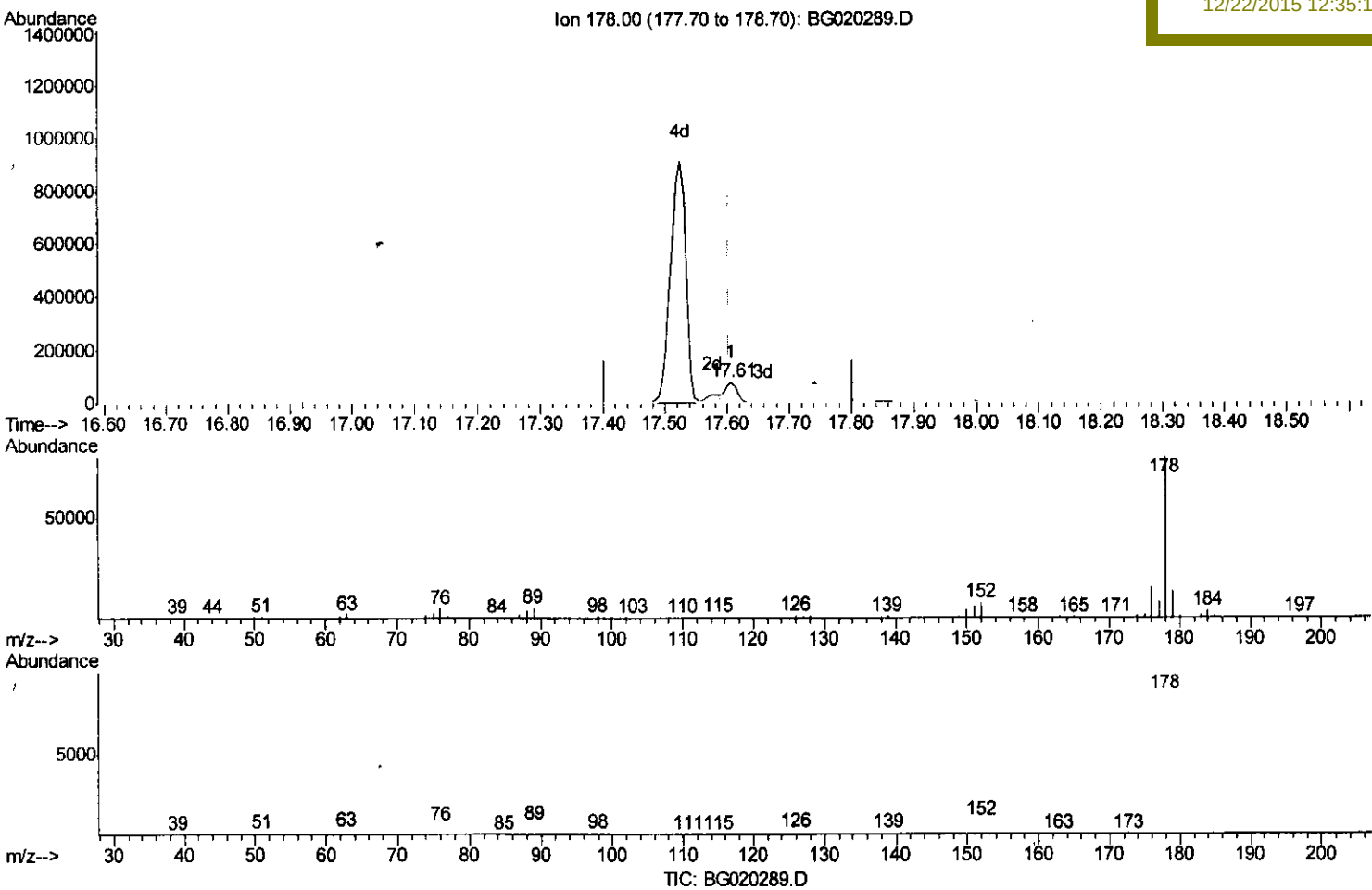
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG121915\
Data File : BG020289.D
Acq On : 19 Dec 2015 00:07
Operator : UM/SJ
Sample : G4768-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 19 00:52:12 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 19 00:45:12 2015
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
D9N34

**Manual Integrations APPROVED**
apatel
12/22/2015 12:35:18 PM




TIC: BG020289.D

(72) Anthracene

17.606min (+0.003) 15.33ng/ul

response 106223

| Ion | Exp% | Act% |
|---|---|---|
| 178.00 | 100 | 100 |
| 179.00 | 15.40 | 16.82 |
| 176.00 | 17.90 | 18.46 |
| 0.00 | 0.00 | 0.00 |

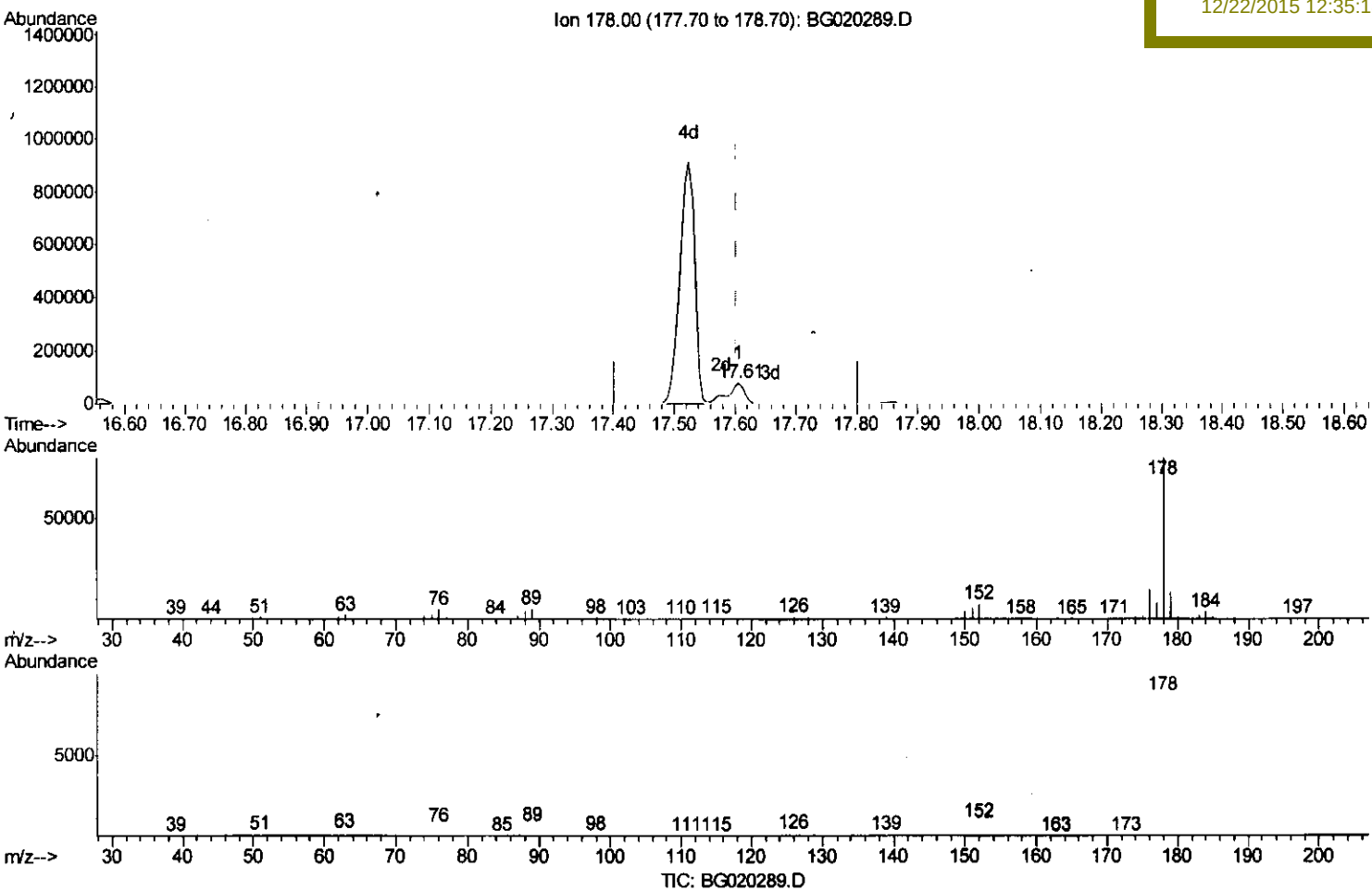
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG121915\
Data File : BG020289.D
Acq On : 19 Dec 2015 00:07
Operator : UM/SJ
Sample : G4768-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 19 00:52:12 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 19 00:45:12 2015
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
D9N34

**Manual Integrations APPROVED**
apatel
12/22/2015 12:35:18 PM




TIC: BG020289.D

(72) Anthracene

17.606min (+0.003) 22.71ng/ul m U.M 12|22|15

response 157386

| Ion | Exp% | Act% |
|---|---|---|
| 178.00 | 100 | 100 |
| 179.00 | 15.40 | 16.82 |
| 176.00 | 17.90 | 18.46 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020289.D
Acq On : 19 Dec 2015 00:07
Operator : UM/SJ
Sample : G4768-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 21 10:27:01 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 19 00:45:12 2015
Response via : Initial Calibration

**Instrument :** BNA_G
**ClientSampleId :** D9N34

**Manual Integrations APPROVED**
apatel
12/22/2015 12:35:18 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.09 | 152 | 18229 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.93 | 136 | 74452 | 20.00 | ng/ul | 0.02 |
| 36) Acenaphthene-d10 | 14.73 | 164 | 51451 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.47 | 188 | 124900 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.74 | 240 | 175502 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 25.01 | 264 | 163625 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.47 | 96 | 489 | 1.48 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.24 | 99 | 14102 | 8.77 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.41 | 67 | 30382 | 31.68 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.62 | 132 | 32937 | 28.17 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.79 | 113 | 24261 | 17.65 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.26 | 128 | 21862 | 37.67 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.99 | 143 | 24781 | 38.37 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.53 | 165 | 42410 | 32.42 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.05 | 131 | 2766 | 1.88 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.13 | 166 | 147534 | 35.45 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.42 | 160 | 169272 | 34.96 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.91 | 143 | 6894 | 9.24 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.71 | 176 | 132516 | 35.11 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.83 | 200 | 23064 | 31.15 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.57 | 188 | 214693 | 37.30 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.85 | 212 | 271106 | 33.14 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 24.79 | 264 | 313795 | 38.45 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 28) Naphthalene | 11.01 | 128 | 5513439 | 1418.06 | ng/ul# | 61 |
| 34) 2-Methylnaphthalene | 12.57 | 142 | 1104742 | 371.99 | ng/ul | 98 |
| 41) 1,1'-Biphenyl | 13.56 | 154 | 305262 | 78.64 | ng/ul | 96 |
| 48) Acenaphthylene | 14.45 | 152 | 123666 | 24.04 | ng/ul | 97 |
| 50) Acenaphthene | 14.80 | 153 | 1230880 | 355.63 | ng/ul | 95 |
| 54) Dibenzofuran | 15.13 | 168 | 999988 | 194.22 | ng/ul | 96 |
| 59) Fluorene | 15.78 | 166 | 854394 | 206.65 | ng/ul | 97 |
| 70) Phenanthrene | 17.52 | 178 | 1543080m | 225.87 | ng/ul | |
| 72) Anthracene | 17.61 | 178 | 157386m | 22.71 | ng/ul | |
| 75) Carbazole | 17.88 | 167 | 1058293 | 181.77 | ng/ul | 97 |
| 77) Fluoranthene | 19.52 | 202 | 273554 | 34.26 | ng/ul | 99 |
| 80) Pyrene | 19.88 | 202 | 155859 | 14.67 | ng/ul | 100 |

U.M 12/22/15

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