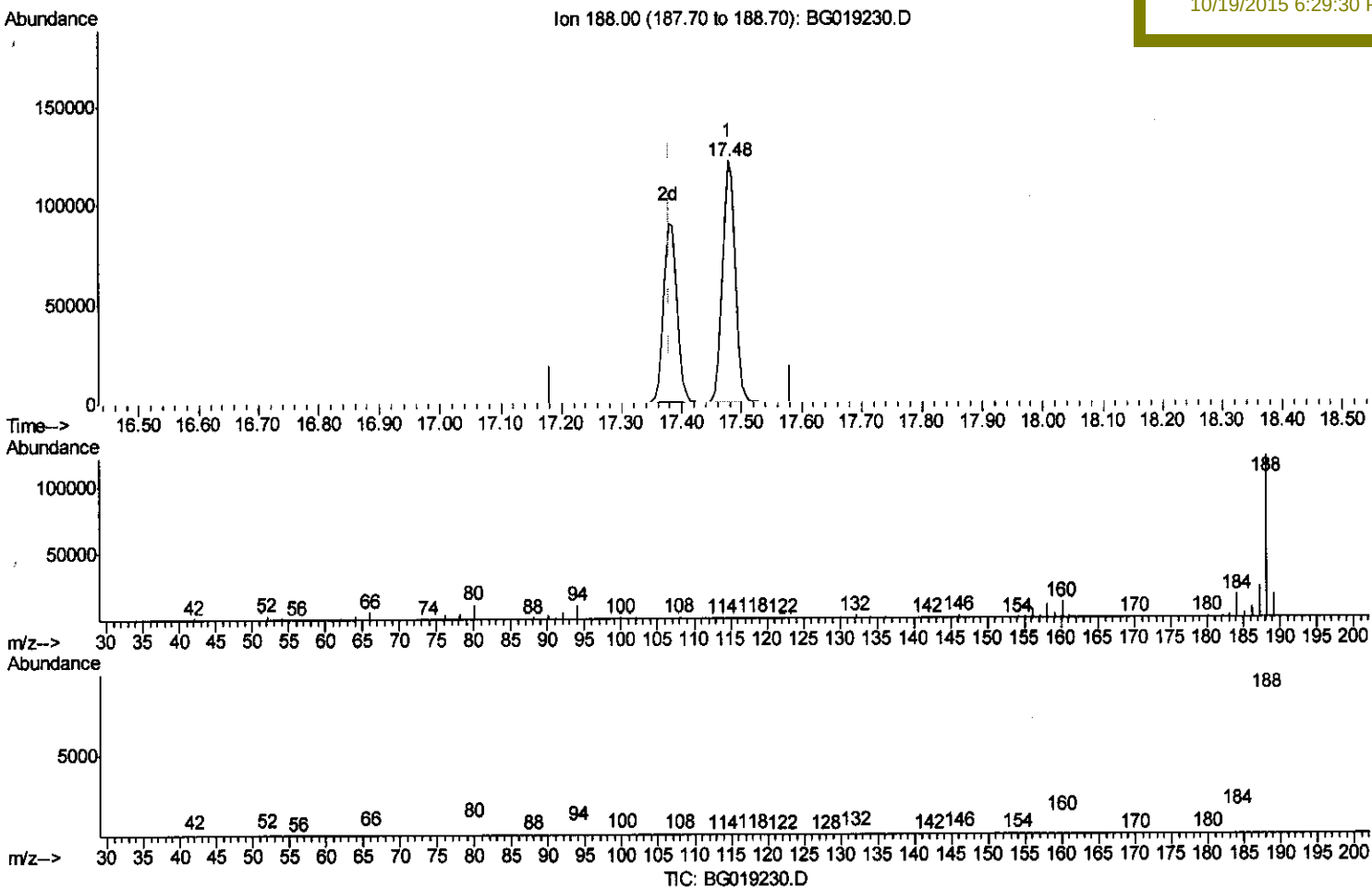
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019230.D
Acq On : 16 Oct 2015 19:27
Operator : UM/NP
Sample : G3996-23MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 06:34:18 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 17 06:30:39 2015
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
E5LL0MSD

**Manual Integrations APPROVED**
MMdadoda
10/19/2015 6:29:30 PM




(62) Phenanthrene-d10 (I)

17.479min (+0.097) 20.00ng/ul

response 182094

| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 9.20 | 8.47 |
| 80.00 | 10.90 | 9.32 |
| 0.00 | 0.00 | 0.00 |

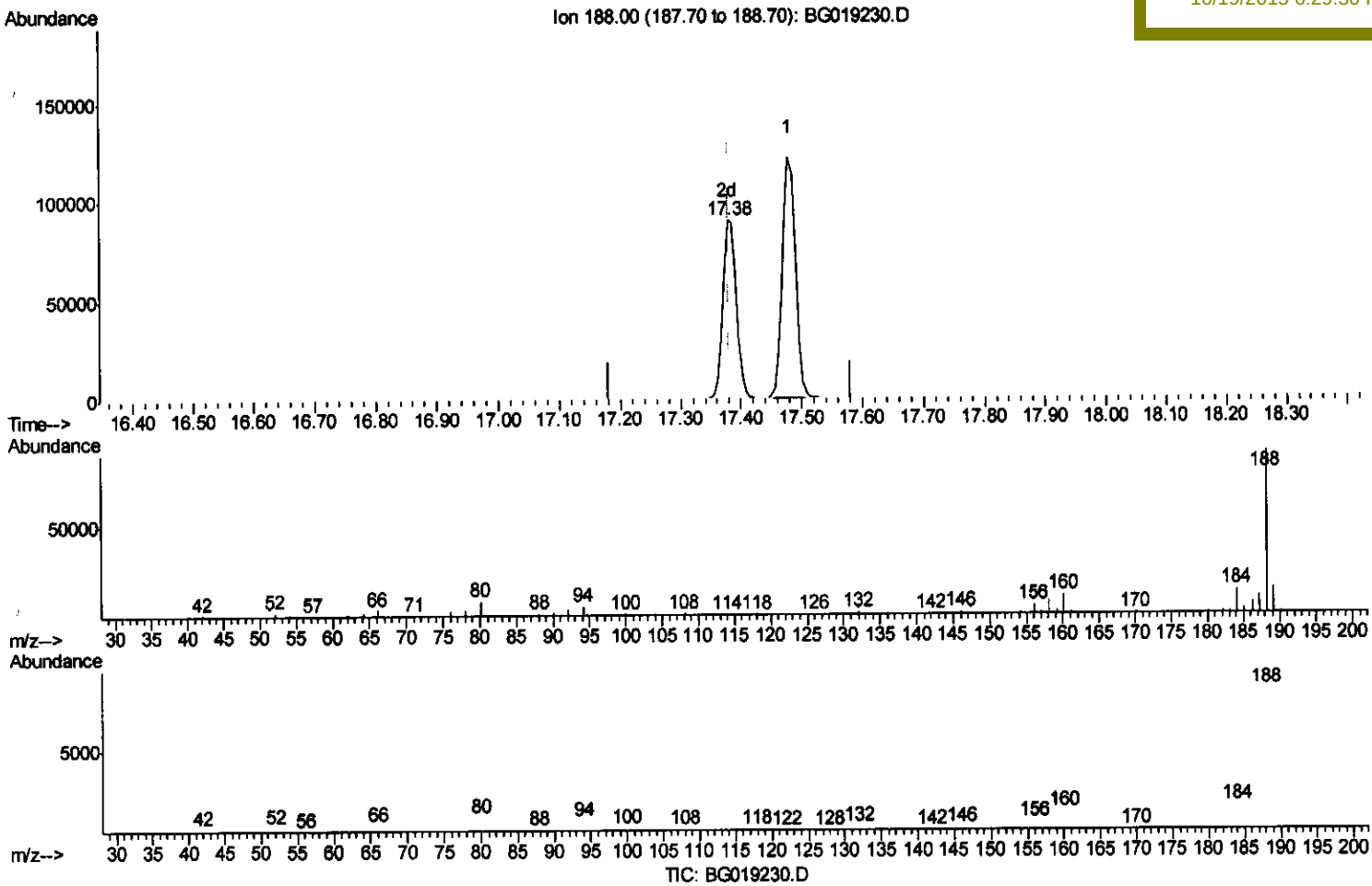
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019230.D
Acq On : 16 Oct 2015 19:27
Operator : UM/NP
Sample : G3996-23MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 06:34:18 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 17 06:30:39 2015
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
E5LL0MSD

**Manual Integrations APPROVED**
MMdadoda
10/19/2015 6:29:30 PM




(62) Phenanthrene-d10 (I)

17.379min (-0.002) 20.00ng/ul m

response 138110

| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 9.20 | 5.78# |
| 80.00 | 10.90 | 9.41 |
| 0.00 | 0.00 | 0.00 |

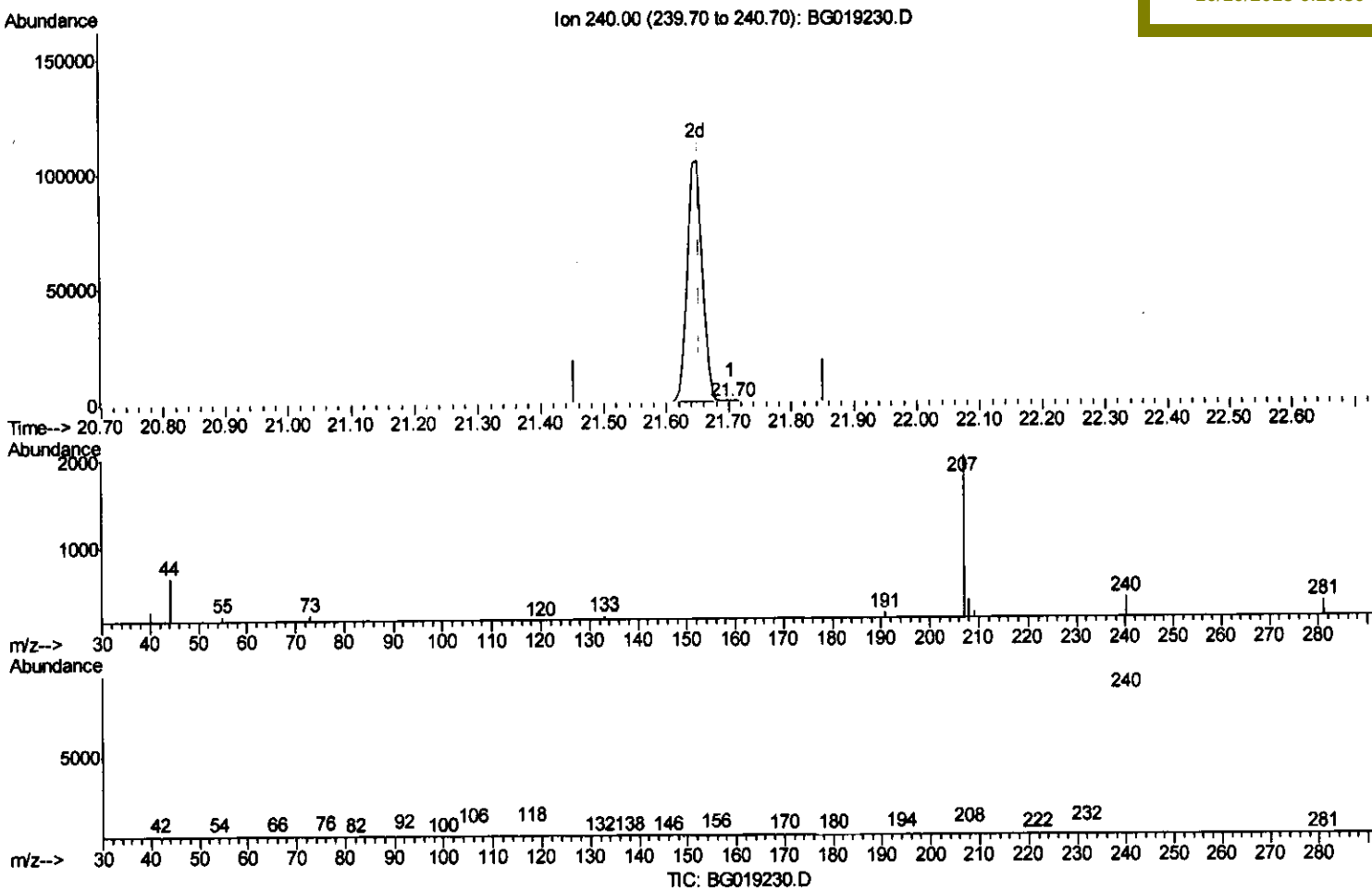
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019230.D
Acq On : 16 Oct 2015 19:27
Operator : UM/NP
Sample : G3996-23MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 07:18:39 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 17 06:30:39 2015
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
E5LL0MSD

**Manual Integrations APPROVED**
MMdadoda
10/19/2015 6:29:30 PM




(78) Chrysene-d12 (I)

21.703min (+0.050) 20.00ng/ul

response 476

| Ion | Exp% | Act% |
|---|---|---|
| 240.00 | 100 | 100 |
| 120.00 | 10.30 | 39.63# |
| 236.00 | 26.00 | 0.00# |
| 0.00 | 0.00 | 0.00 |

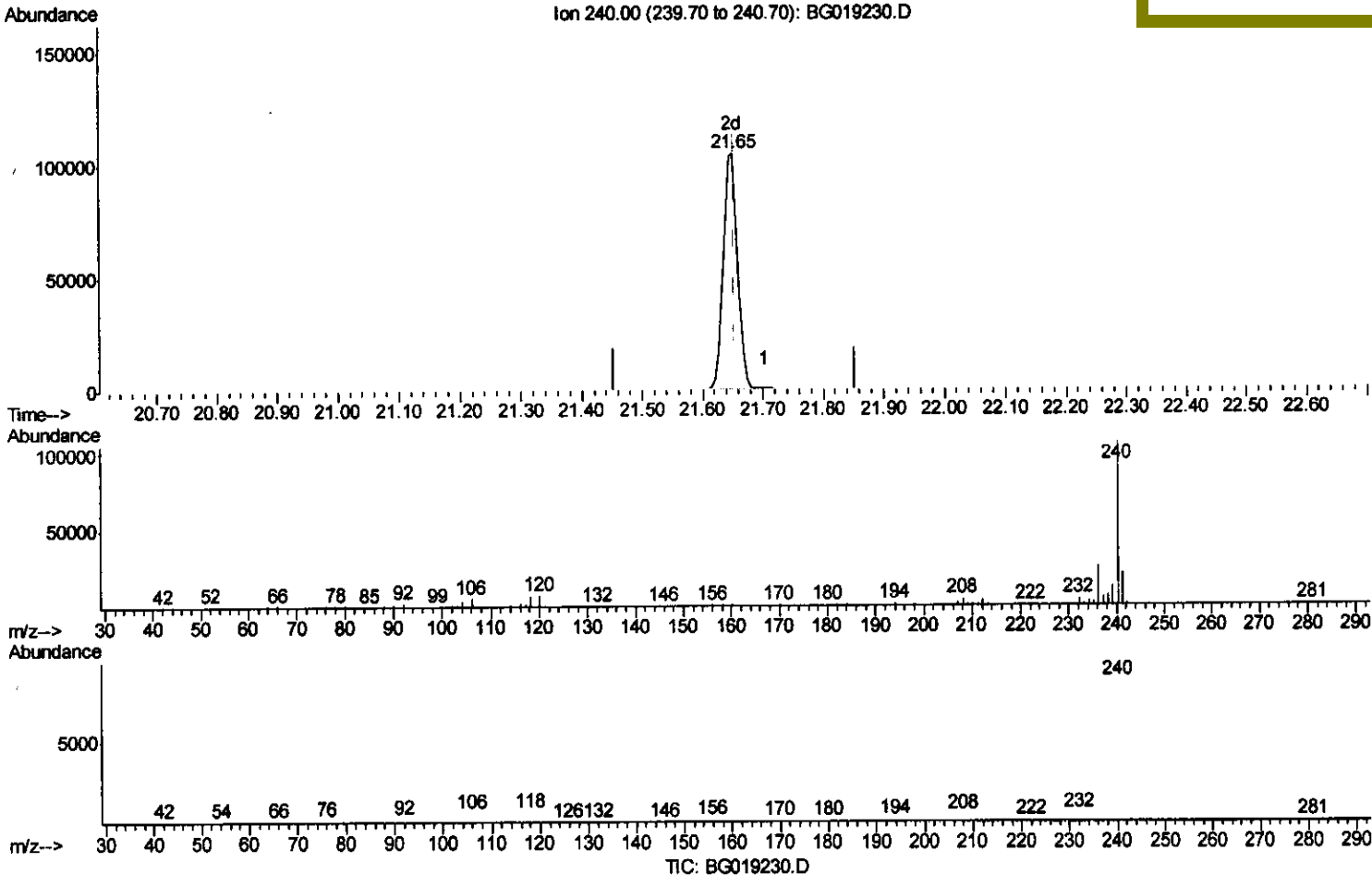
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019230.D
Acq On : 16 Oct 2015 19:27
Operator : UM/NP
Sample : G3996-23MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 07:18:39 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 17 06:30:39 2015
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
E5LL0MSD

**Manual Integrations APPROVED**
MMdadoda
10/19/2015 6:29:30 PM



TIC: BG019230.D

(78) Chrysene-d12 (I)

21.650min (-0.002) 20.00ng/ul m

response 173607

| Ion | Exp% | Act% |
|---|---|---|
| 240.00 | 100 | 100 |
| 120.00 | 10.30 | 7.15# |
| 236.00 | 26.00 | 24.30 |
| 0.00 | 0.00 | 0.00 |

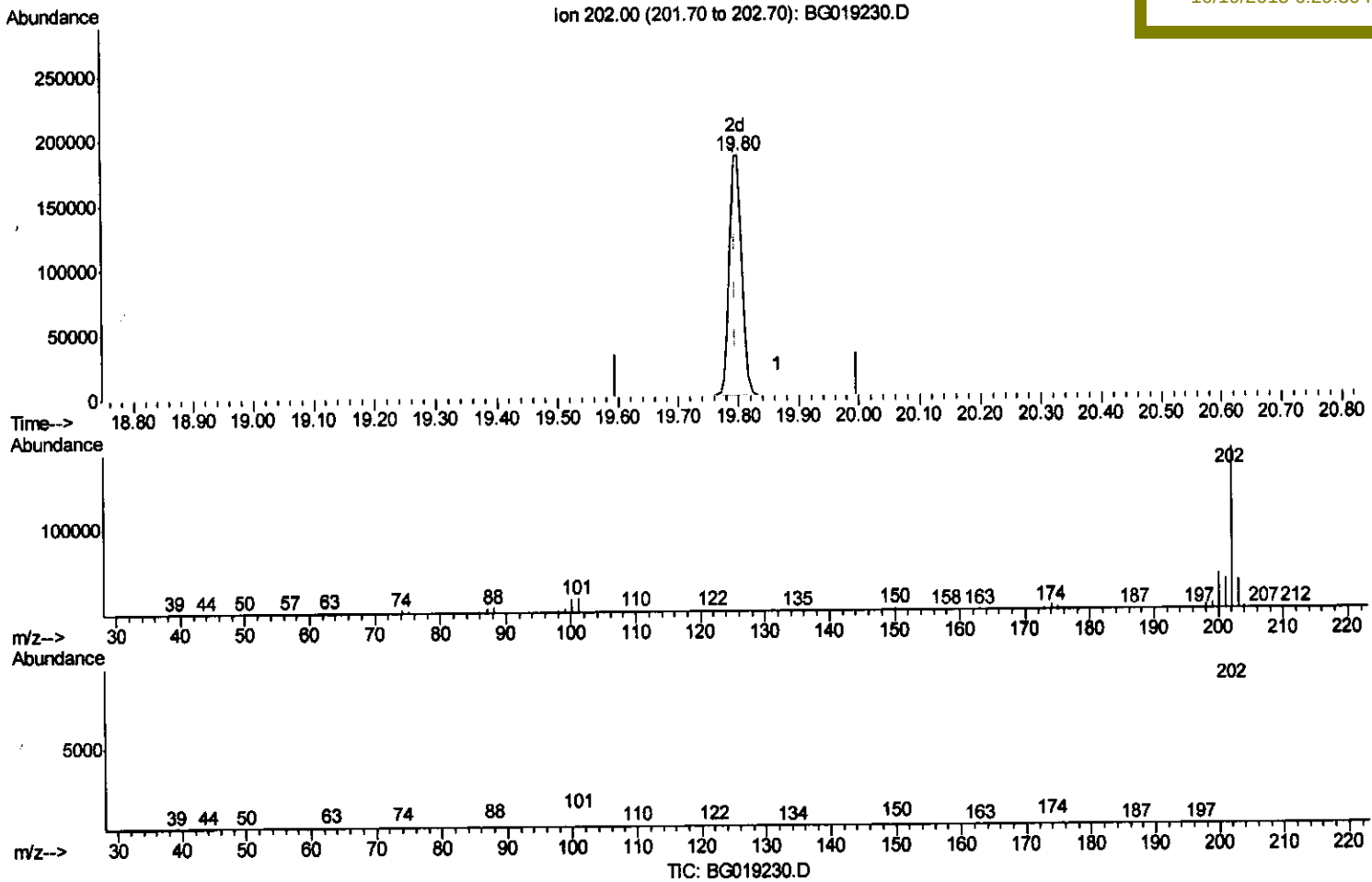
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG101615\
Data File : BG019230.D
Acq On : 16 Oct 2015 19:27
Operator : UM/NP
Sample : G3996-23MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 07:19:36 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 17 06:30:39 2015
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
E5LL0MSD

**Manual Integrations APPROVED**
MMdadoda
10/19/2015 6:29:30 PM




TIC: BG019230.D

(80) Pyrene

19.799min (+0.004) 25.84ng/ul m

response 266292

| Ion | Exp% | Act% |
|---|---|---|
| 202.00 | 100 | 100 |
| 101.00 | 12.70 | 8.67# |
| 100.00 | 10.60 | 8.27# |
| 0.00 | 0.00 | 0.00 |

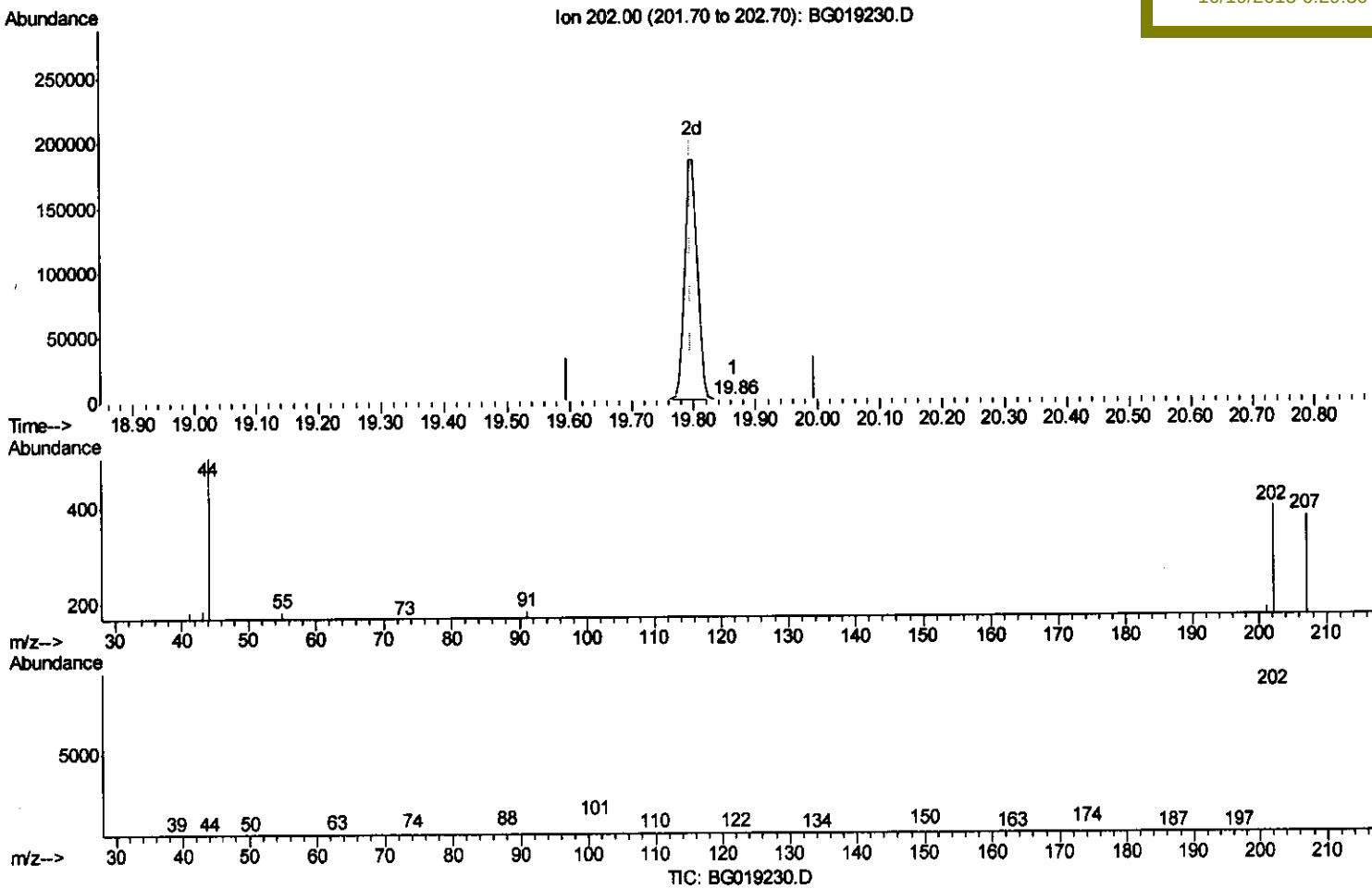
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG101615\
Data File : BG019230.D
Acq On : 16 Oct 2015 19:27
Operator : UM/NP
Sample : G3996-23MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 07:19:36 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 17 06:30:39 2015
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
E5LL0MSD

**Manual Integrations APPROVED**
MMdadoda
10/19/2015 6:29:30 PM




(80) Pyrene

19.864min (+0.068) 0.05ng/ul

response 485

| Ion | Exp% | Act% |
|---|---|---|
| 202.00 | 100 | 100 |
| 101.00 | 12.70 | 0.00# |
| 100.00 | 10.60 | 0.00# |
| 0.00 | 0.00 | 0.00 |

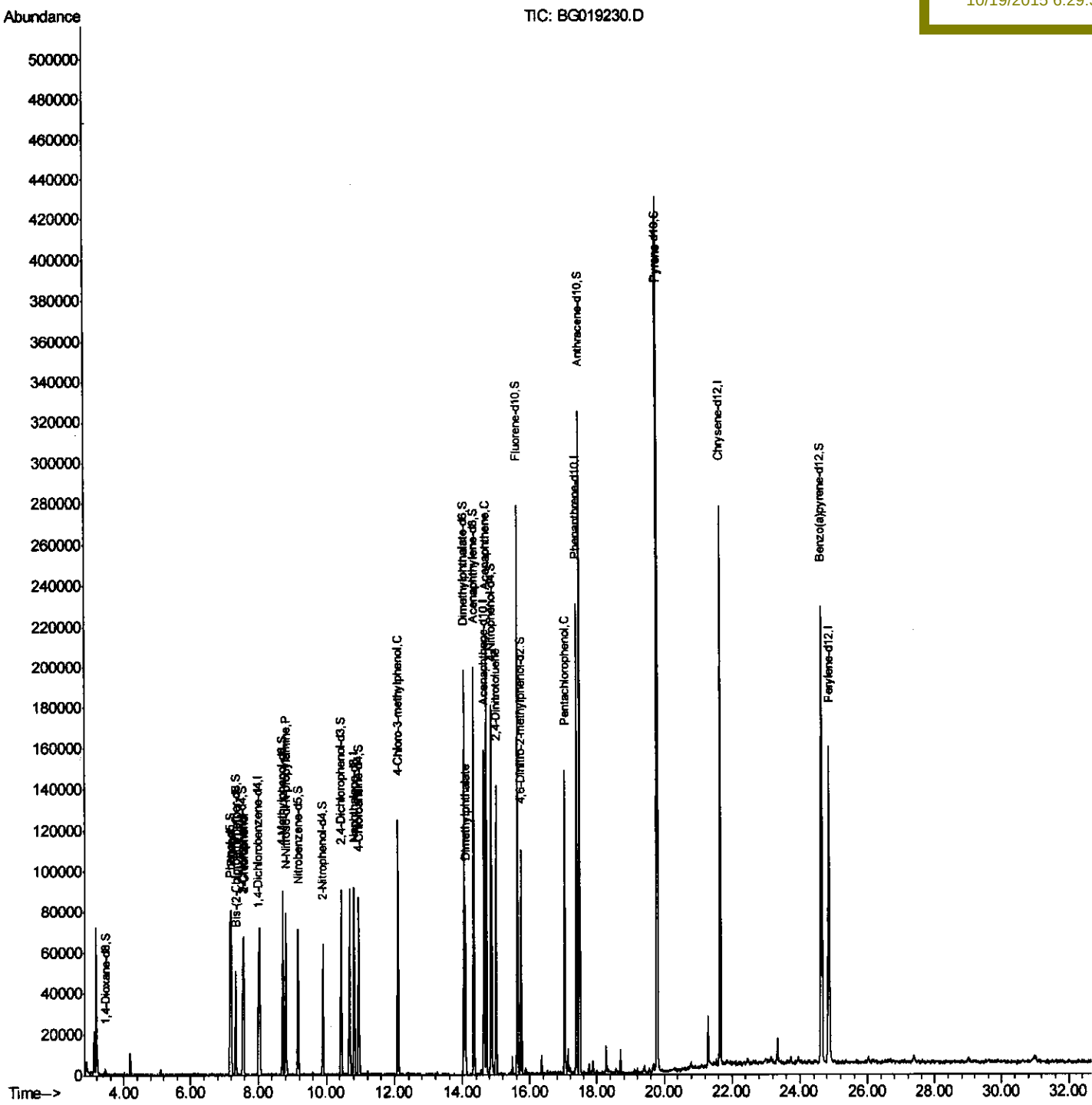
Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG101615\
Data File : BG019230.D
Acq On : 16 Oct 2015 19:27
Operator : UM/NP
Sample : G3996-23MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 19 09:18:26 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 17 06:30:39 2015
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
E5LL0MSD

**Manual Integrations APPROVED**
MMdadoda
10/19/2015 6:29:30 PM



Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG101615\
Data File : BG019230.D
Acq On : 16 Oct 2015 19:27
Operator : UM/NP
Sample : G3996-23MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 19 09:18:26 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 17 06:30:39 2015
Response via : Initial Calibration

**Instrument :** BNA_G
**ClientSampleId :** E5LL0MSD

**Manual Integrations APPROVED**
MMdadoda
10/19/2015 6:29:30 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.01 | 152 | 15421 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.81 | 136 | 72334 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.63 | 164 | 52790 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.38 | 188 | 138110m | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.65 | 240 | 173607m | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 24.85 | 264 | 166879 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.44 | 96 | 1267 | 4.58 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.17 | 99 | 36532 | 27.15 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.33 | 67 | 23534 | 27.17 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.54 | 132 | 26943 | 27.47 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.71 | 113 | 30656 | 26.88 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.16 | 128 | 15240 | 27.35 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.89 | 143 | 17453 | 29.51 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.43 | 165 | 32016 | 27.33 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.95 | 131 | 42762 | 28.34 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.04 | 166 | 126800 | 27.46 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.33 | 160 | 136449 | 27.34 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.84 | 143 | 24709 | 29.77 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.63 | 176 | 106025 | 26.87 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.74 | 200 | 22539 | 26.45 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.48 | 188 | 182094 | 27.91 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.77 | 212 | 225995 | 28.70 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 24.63 | 264 | 247322 | 29.34 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 6) Phenol | 7.20 | 94 | 35645 | 25.43 | ng/ul# | 79 |
| 10) 2-Chlorophenol | 7.57 | 128 | 26787 | 26.59 | ng/ul | 99 |
| 15) N-Nitroso-di-n-propylamine | 8.81 | 70 | 25804 | 26.24 | ng/ul | 96 |
| 33) 4-Chloro-3-methylphenol | 12.09 | 107 | 42016 | 28.20 | ng/ul | 90 |
| 45) Dimethylphthalate | 14.09 | 163 | 49466 | 10.63 | ng/ul | 99 |
| 50) Acenaphthene | 14.70 | 153 | 91695 | 24.88 | ng/ul | 98 |
| 53) 4-Nitrophenol | 14.85 | 109 | 26533 | 29.24 | ng/ul# | 72 |
| 55) 2,4-Dinitrotoluene | 14.99 | 165 | 36995 | 25.71 | ng/ul | 97 |
| 69) Pentachlorophenol | 17.03 | 266 | 25768 | 27.71 | ng/ul | 93 |
| 80) Pyrene | 19.80 | 202 | 266292m | 25.84 | ng/ul | |

U.M 10/17/15

U.M 10/17/15

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