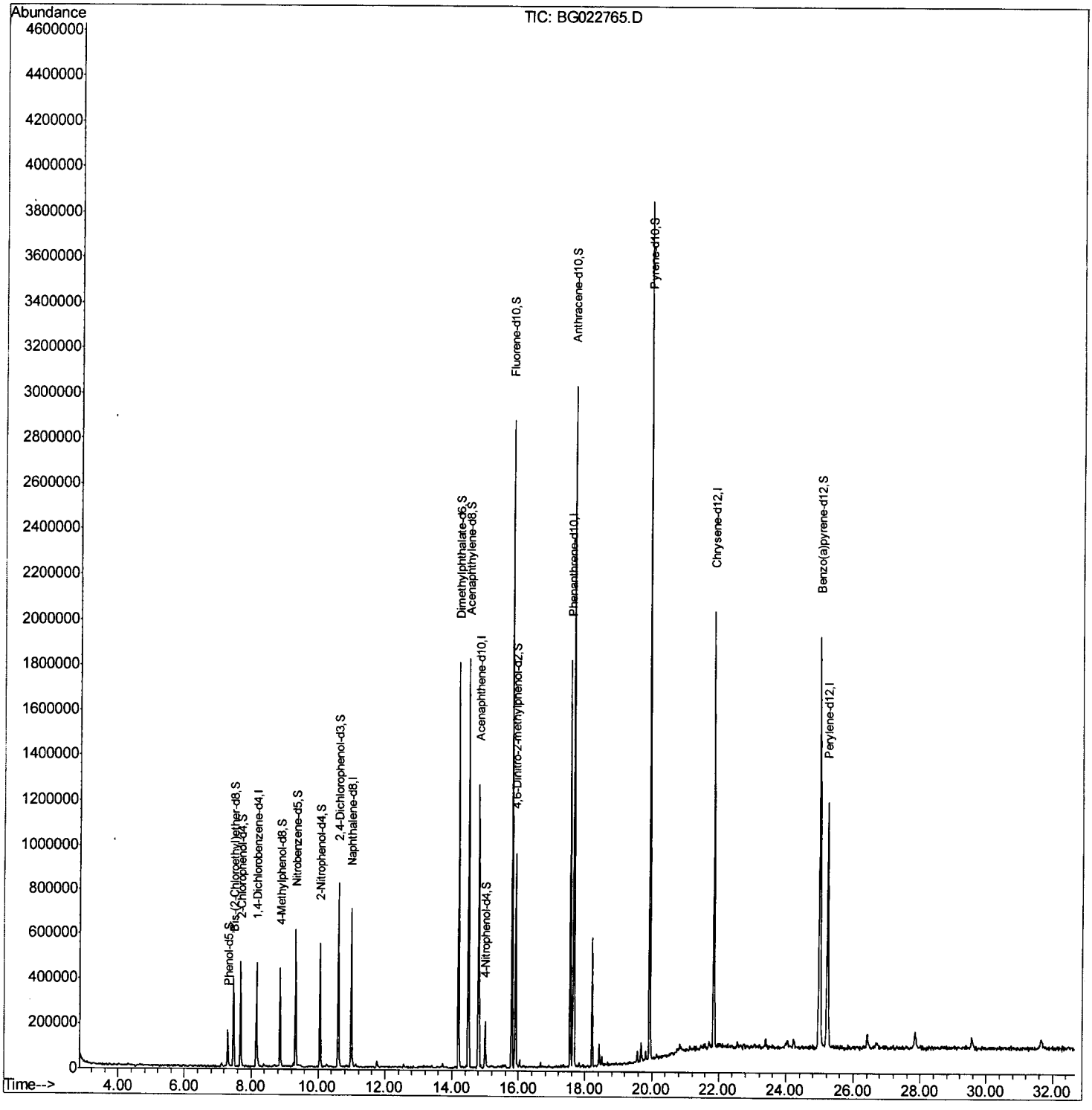
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070116\
Data File : BG022765.D
Acq On : 1 Jul 2016 19:45
Operator : UM/SJ
Sample : H3819-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 02 01:13:05 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 02 00:07:37 2016
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
BDHT5

**Manual Integrati**
**APPROVE**
sohil
7/4/2016 1:30:54 PM



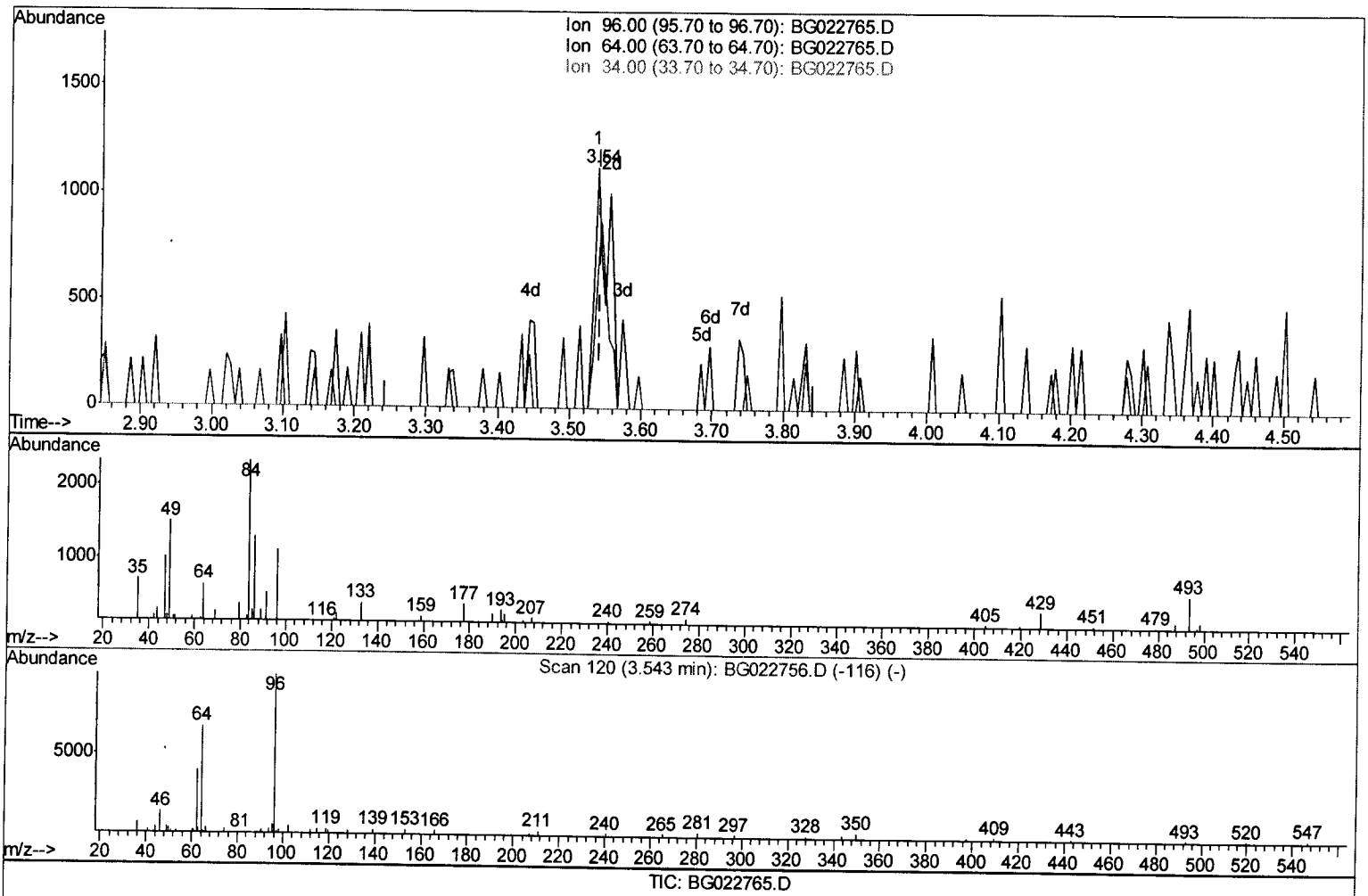
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070116\
Data File : BG022765.D
Acq On : 1 Jul 2016 19:45
Operator : UM/SJ
Sample : H3819-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 02 00:09:08 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 02 00:07:37 2016
Response via : Initial Calibration

**Instrument :** BNA_G
**ClientSampleId :** BDHT5

**Manual Integratio**
**APPROVE**
sohil
7/4/2016 1:30:54 PM










TIC: BG022765.D

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

3.538min (-0.005) 0.73ng/uL m U.M
07/09/16

response 1552

| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100 | 100 |
| 64.00 | 65.00 | 57.49 |
| 34.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

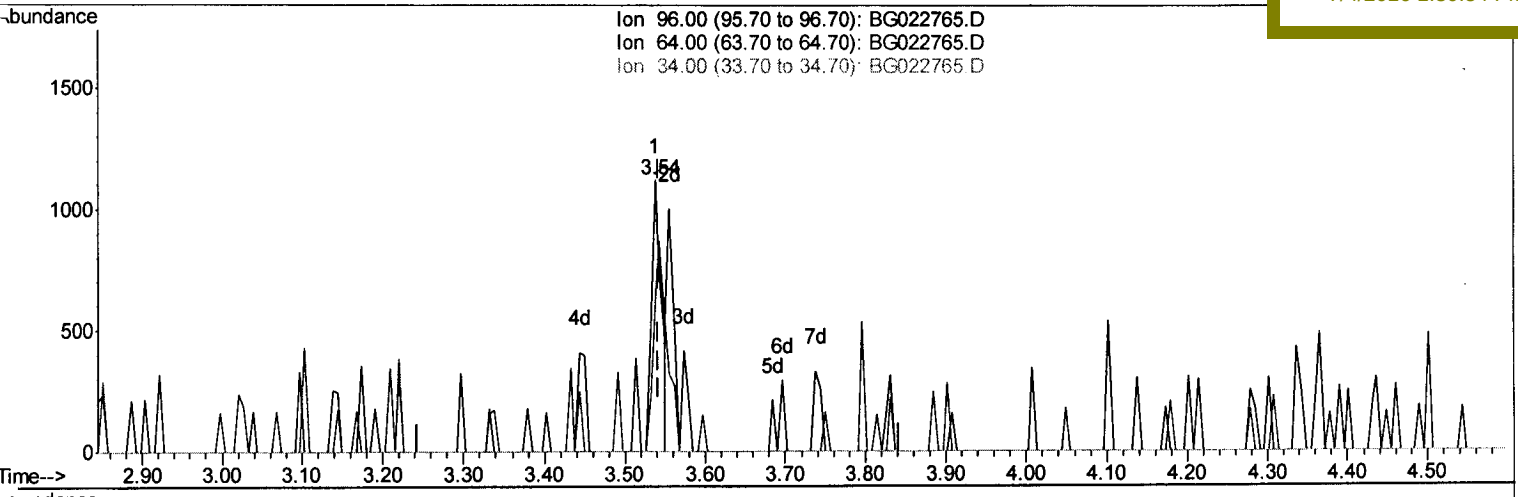
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070116\
Data File : BG022765.D
Acq On : 1 Jul 2016 19:45
Operator : UM/SJ
Sample : H3819-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

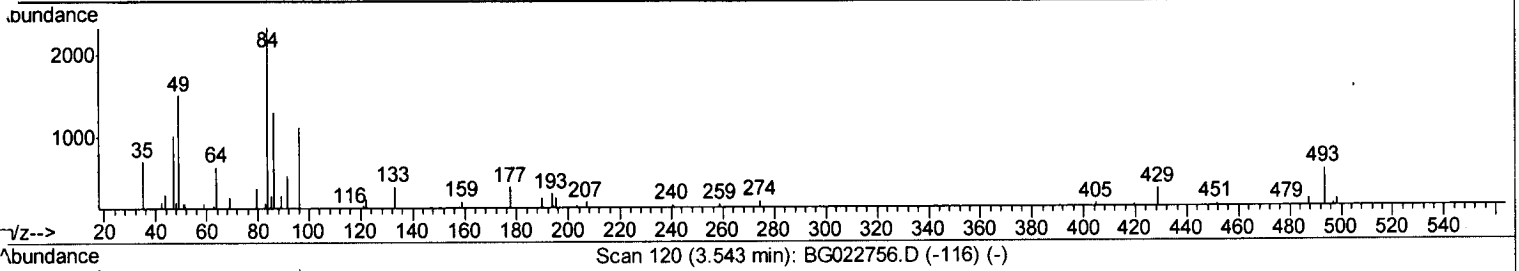
Quant Time: Jul 02 00:09:08 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 02 00:07:37 2016
Response via : Initial Calibration

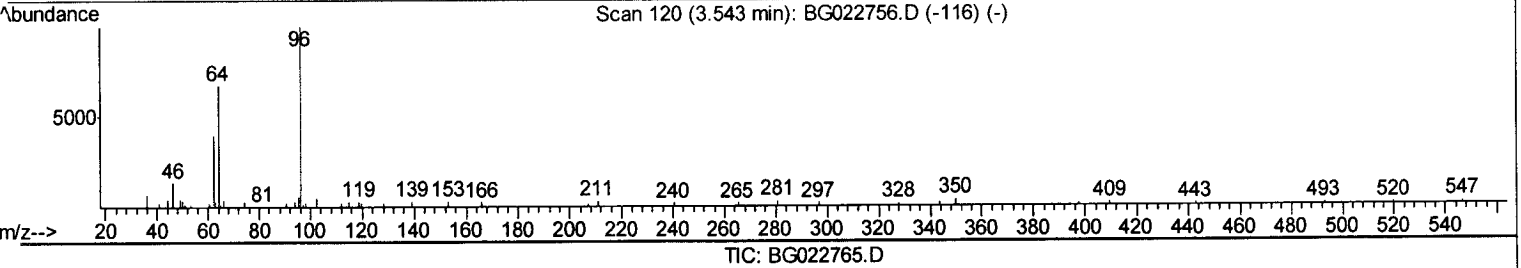
**Instrument :**
BNA_G
**ClientSampleId :**
BDHT5

**Manual Integrati**

**APPROVE**
sohil
7/4/2016 1:30:54 PM




TIC: BG022765.D

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

3.538min (-0.005) 0.47ng/uL

response 1009

| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100 | 100 |
| 64.00 | 65.00 | 57.49 |
| 34.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

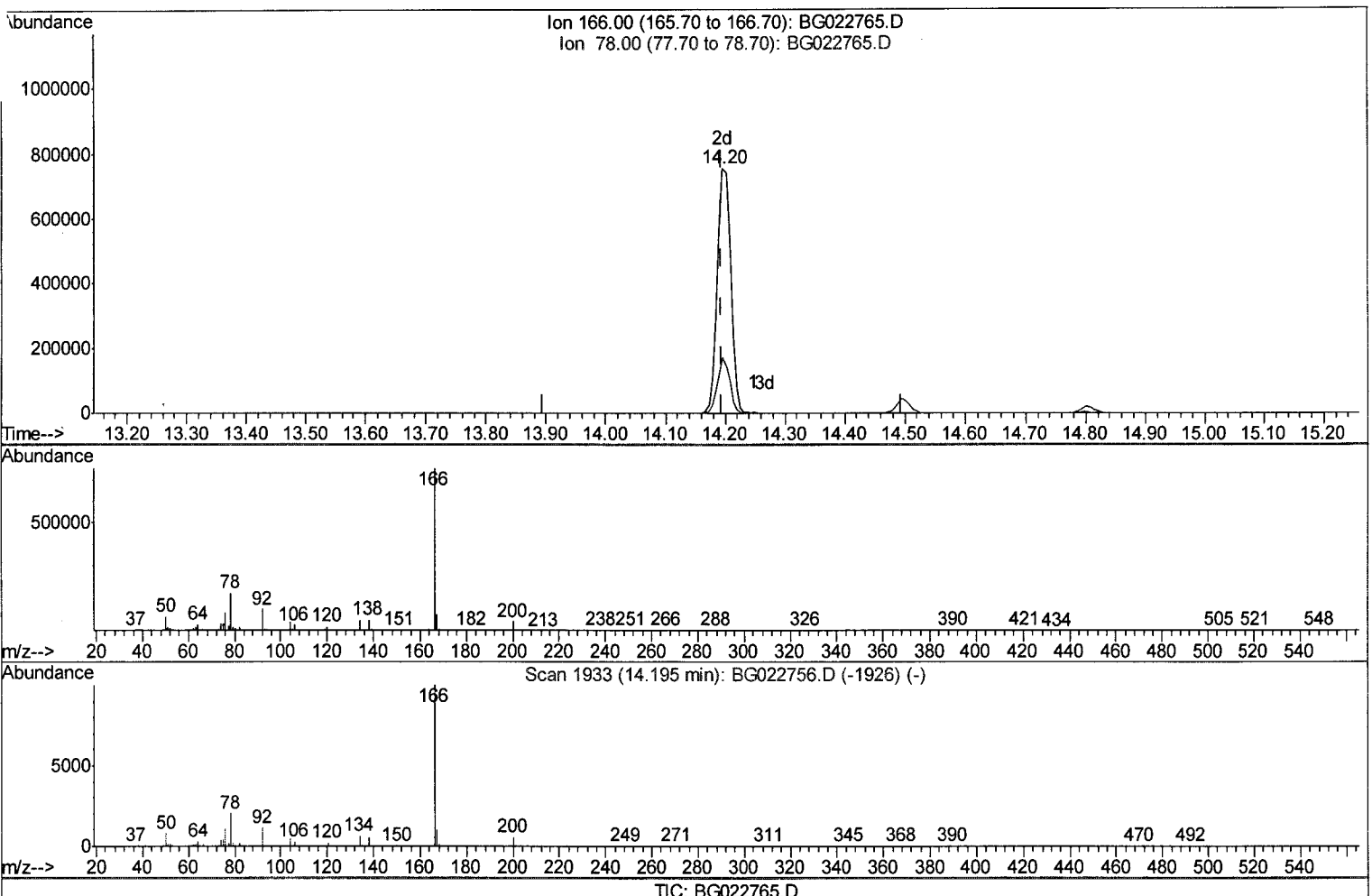
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070116\
Data File : BG022765.D
Acq On : 1 Jul 2016 19:45
Operator : UM/SJ
Sample : H3819-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 02 00:09:08 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 02 00:07:37 2016
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
BDHT5

**Manual Integratio**
**APPROVE**
sohil
7/4/2016 1:30:54 PM




TIC: BG022765.D

(43) Dimethylphthalate-d6 (S)

14.196min (+0.001) 32.90ng/ul m U.M 07/09/16

response 1173138

| Ion | Exp% | Act% |
|---|---|---|
| 166.00 | 100 | 100 |
| 78.00 | 14.50 | 22.85# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

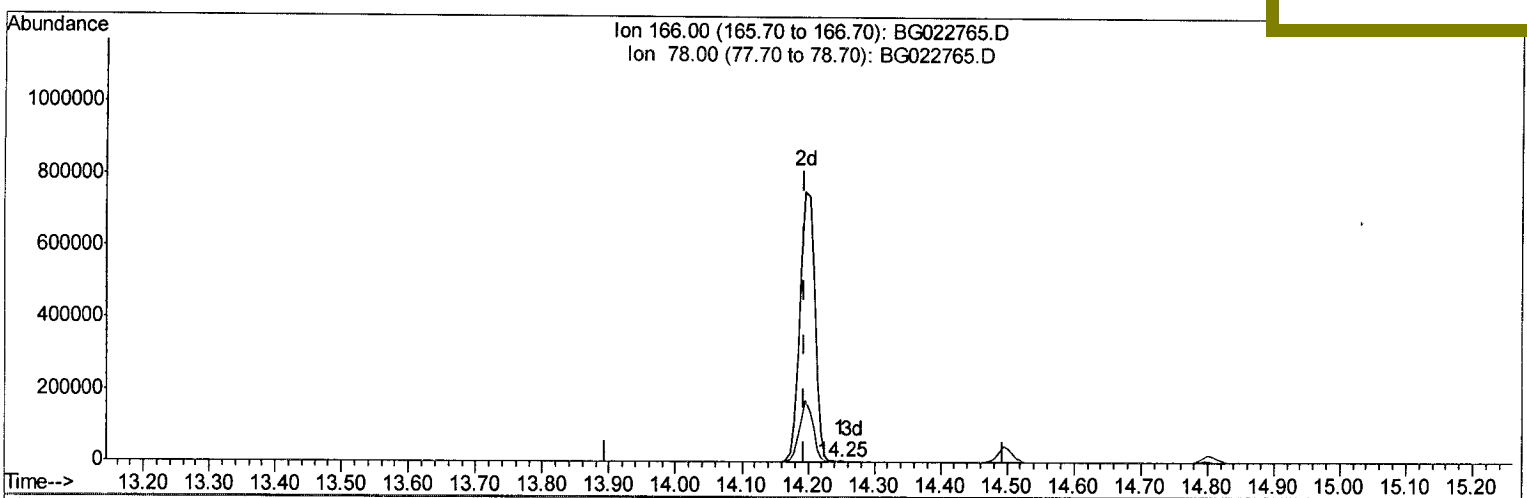
Quantitation Report (Qedit)

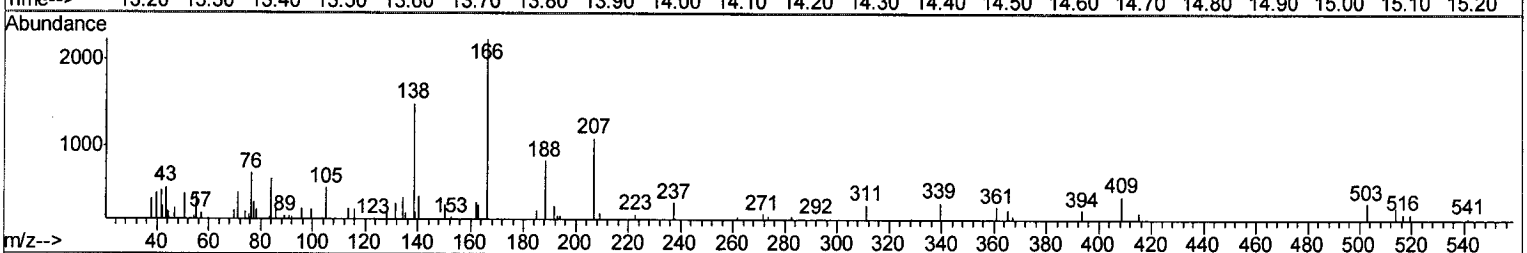
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070116\
Data File : BG022765.D
Acq On : 1 Jul 2016 19:45
Operator : UM/SJ
Sample : H3819-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

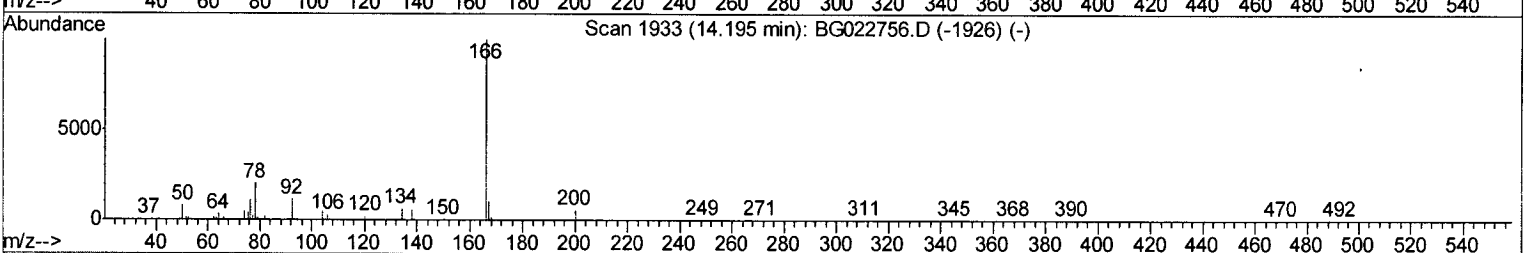
Quant Time: Jul 02 00:09:08 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 02 00:07:37 2016
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
BDHT5

**Manual Integratio**
**APPROVE**
sohil
7/4/2016 1:30:54 PM




TIC: BG022765.D

(43) Dimethylphthalate-d6 (S)

14.249min (+0.054) 0.04ng/ul

response 1293

| Ion | Exp% | Act% |
|---|---|---|
| 166.00 | 100 | 100 |
| 78.00 | 14.50 | 11.81 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

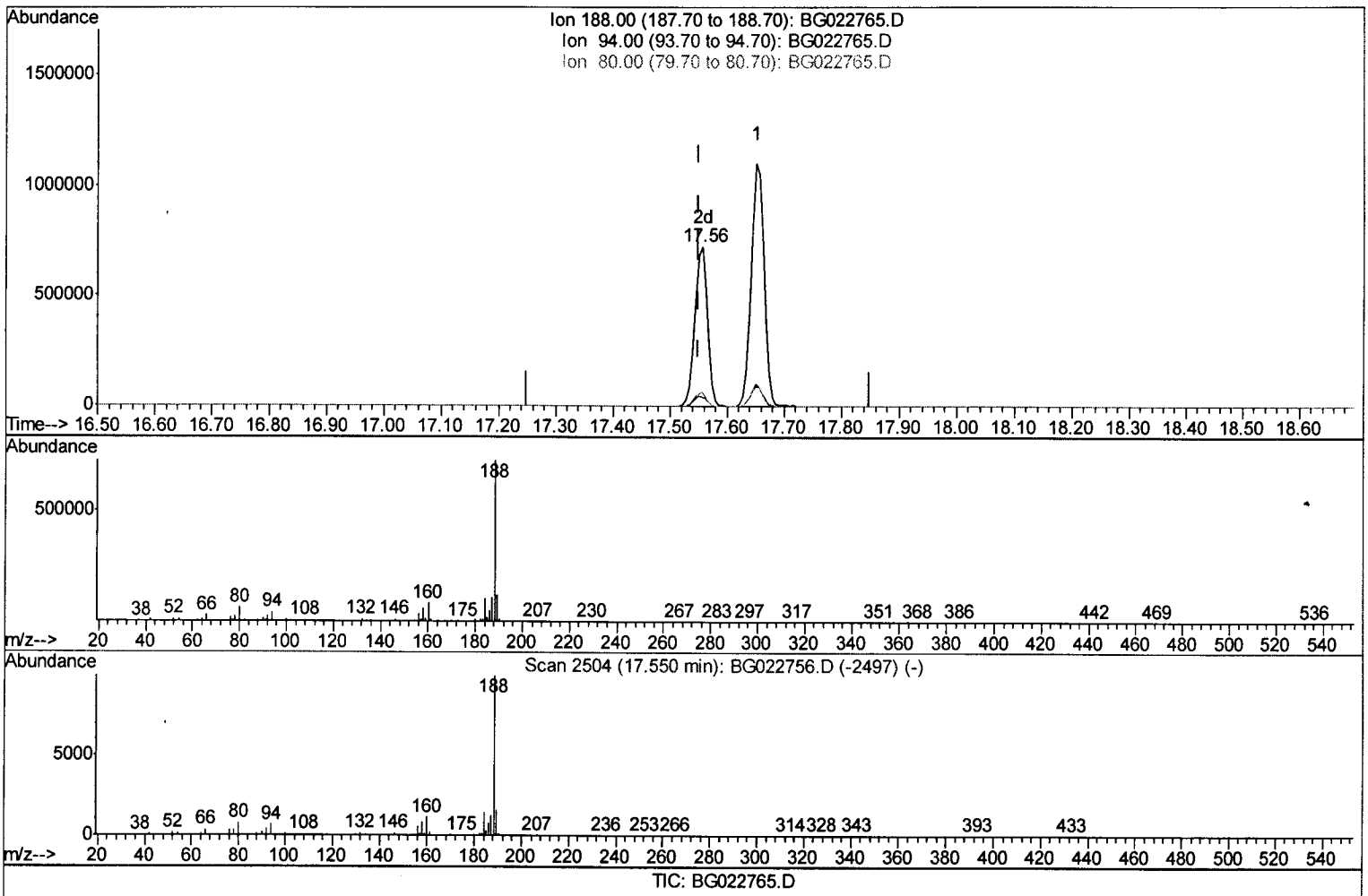
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070116\
Data File : BG022765.D
Acq On : 1 Jul 2016 19:45
Operator : UM/SJ
Sample : H3819-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 02 00:09:08 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 02 00:07:37 2016
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
BDHT5

**Manual Integratio**
**APPROVED**
sohil
7/4/2016 1:30:54 PM




(61) Phenanthrene-d10 (I)

17.557min (+0.007) 20.00ng/ul m V.M 07/09/16

response 1128642

| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 10.30 | 5.79# |
| 80.00 | 10.90 | 8.72 |
| 0.00 | 0.00 | 0.00 |

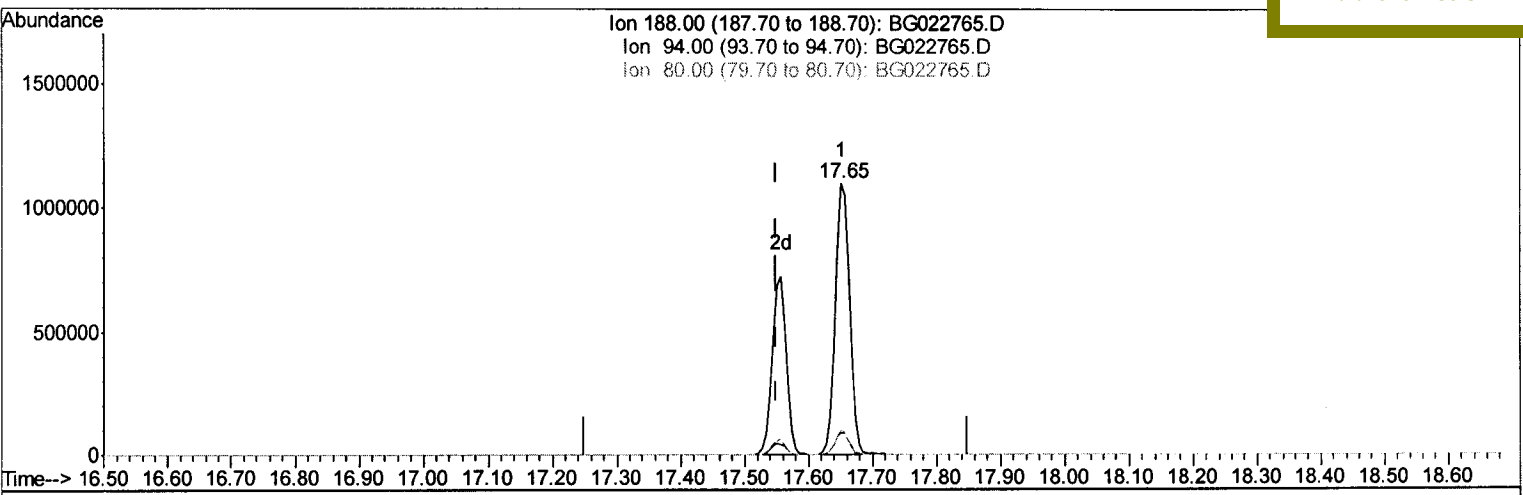
# Quantitation Report (Qedit)

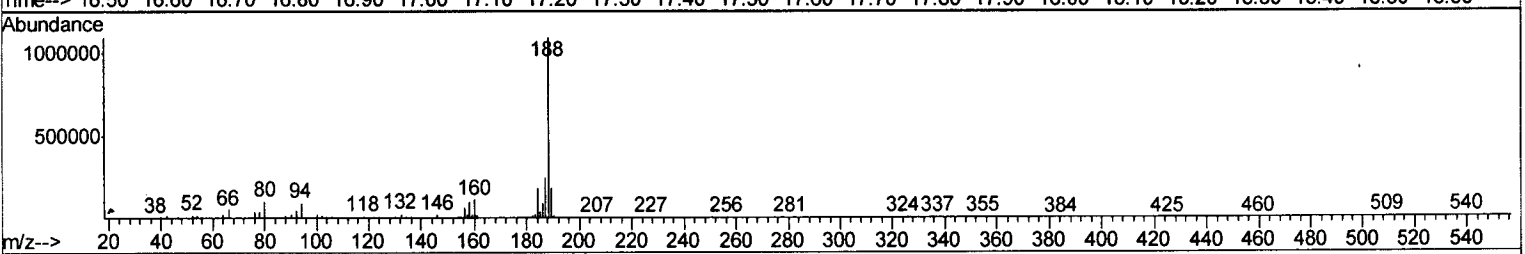
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070116\
Data File : BG022765.D
Acq On : 1 Jul 2016 19:45
Operator : UM/SJ
Sample : H3819-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

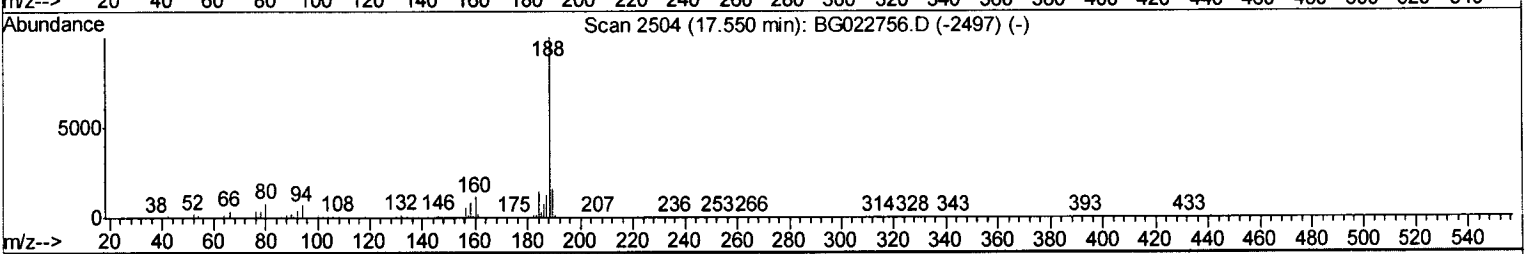
Quant Time: Jul 02 00:09:08 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 02 00:07:37 2016
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
BDHT5

**Manual Integratio**
**APPROVE**
sohil
7/4/2016 1:30:54 PM




TIC: BG022765.D

(61) Phenanthrene-d10 (I)

17.651min (+0.101) 20.00ng/ul

response 1732387

| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 10.30 | 8.36 |
| 80.00 | 10.90 | 9.02 |
| 0.00 | 0.00 | 0.00 |

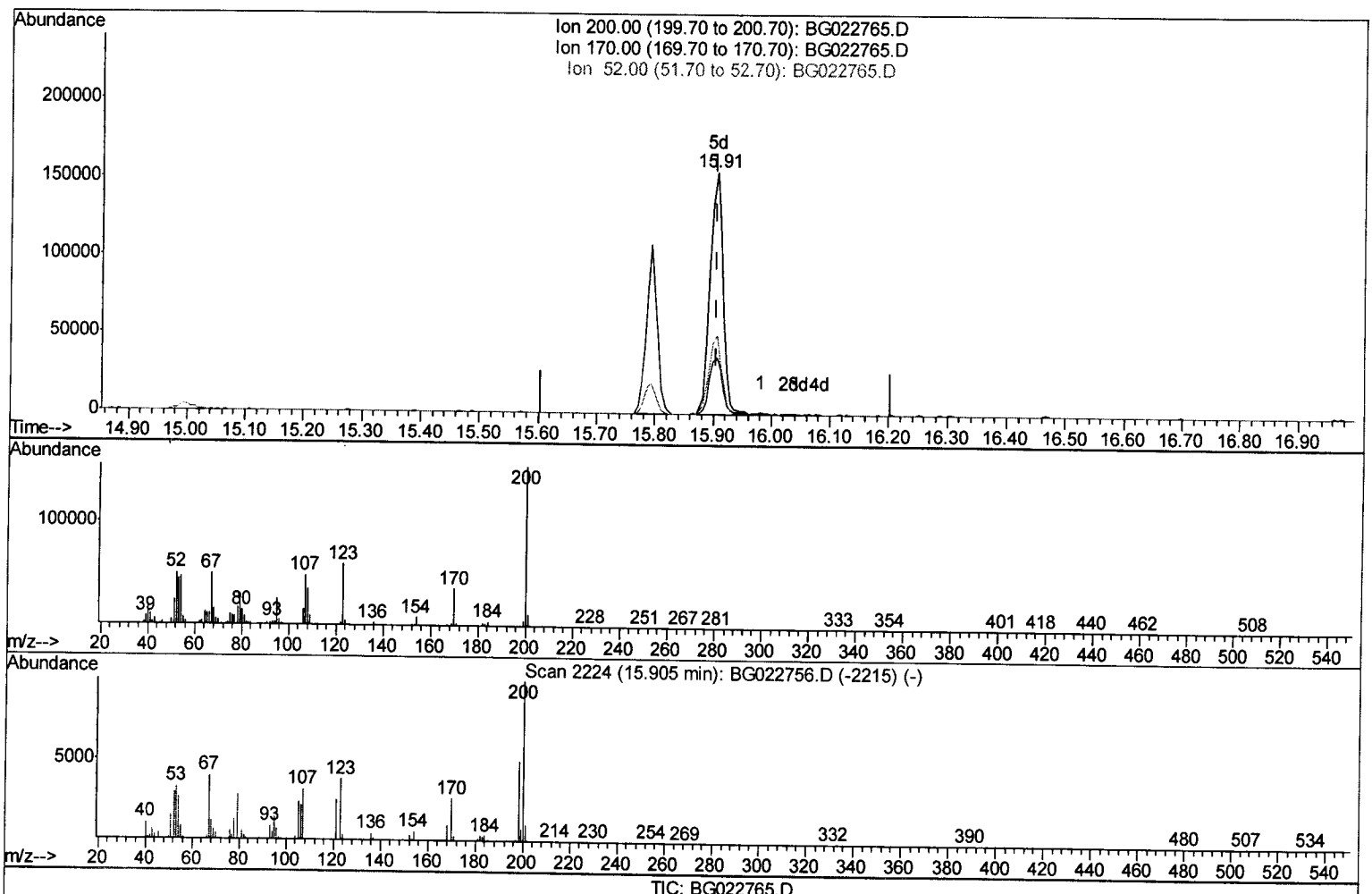
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070116\
Data File : BG022765.D
Acq On : 1 Jul 2016 19:45
Operator : UM/SJ
Sample : H3819-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 02 00:09:08 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 02 00:07:37 2016
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
BDHT5

**Manual Integratio**
**APPROVED**
sohil
7/4/2016 1:30:54 PM




TIC: BG022765.D

(62) 4,6-Dinitro-2-methylphenol-d2 (S)

15.906min (+0.001) 32.23ng/ul m U,M 07/09/16

response 233956

| Ion | Exp% | Act% |
|---|---|---|
| 200.00 | 100 | 100 |
| 170.00 | 15.20 | 23.06# |
| 52.00 | 32.20 | 32.49 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

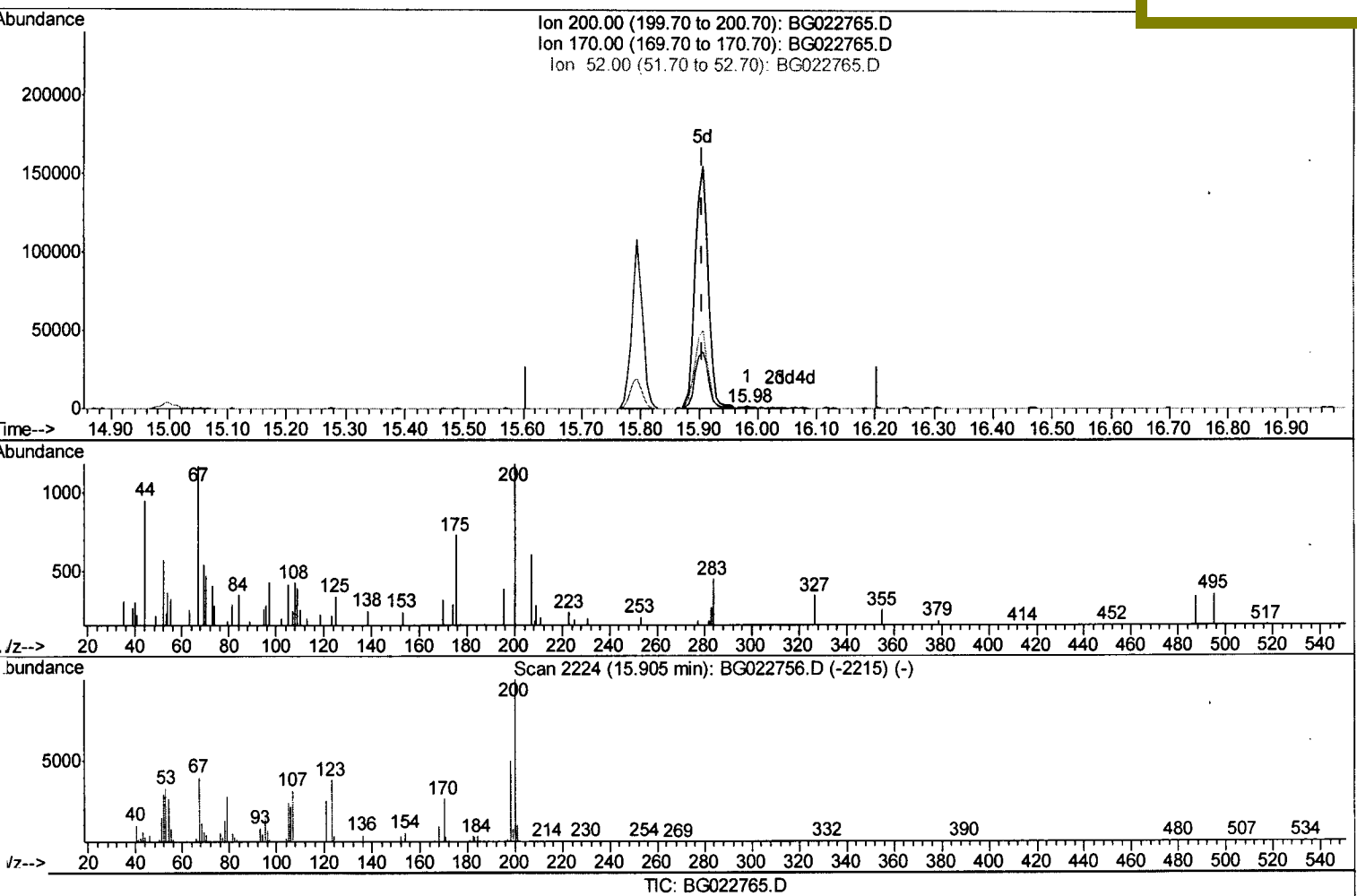
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070116\
Data File : BG022765.D
Acq On : 1 Jul 2016 19:45
Operator : UM/SJ
Sample : H3819-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 02 00:09:08 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 02 00:07:37 2016
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
BDHT5

**Manual Integrati**

**APPROVE**
sohil
7/4/2016 1:30:54 PM




(62) 4,6-Dinitro-2-methylphenol-d2 (S)

15.982min (+0.077) 0.11ng/ul

response 784

| Ion | Exp% | Act% |
|---|---|---|
| 200.00 | 100 | 100 |
| 170.00 | 15.20 | 13.59 |
| 52.00 | 32.20 | 48.10# |
| 0.00 | 0.00 | 0.00 |

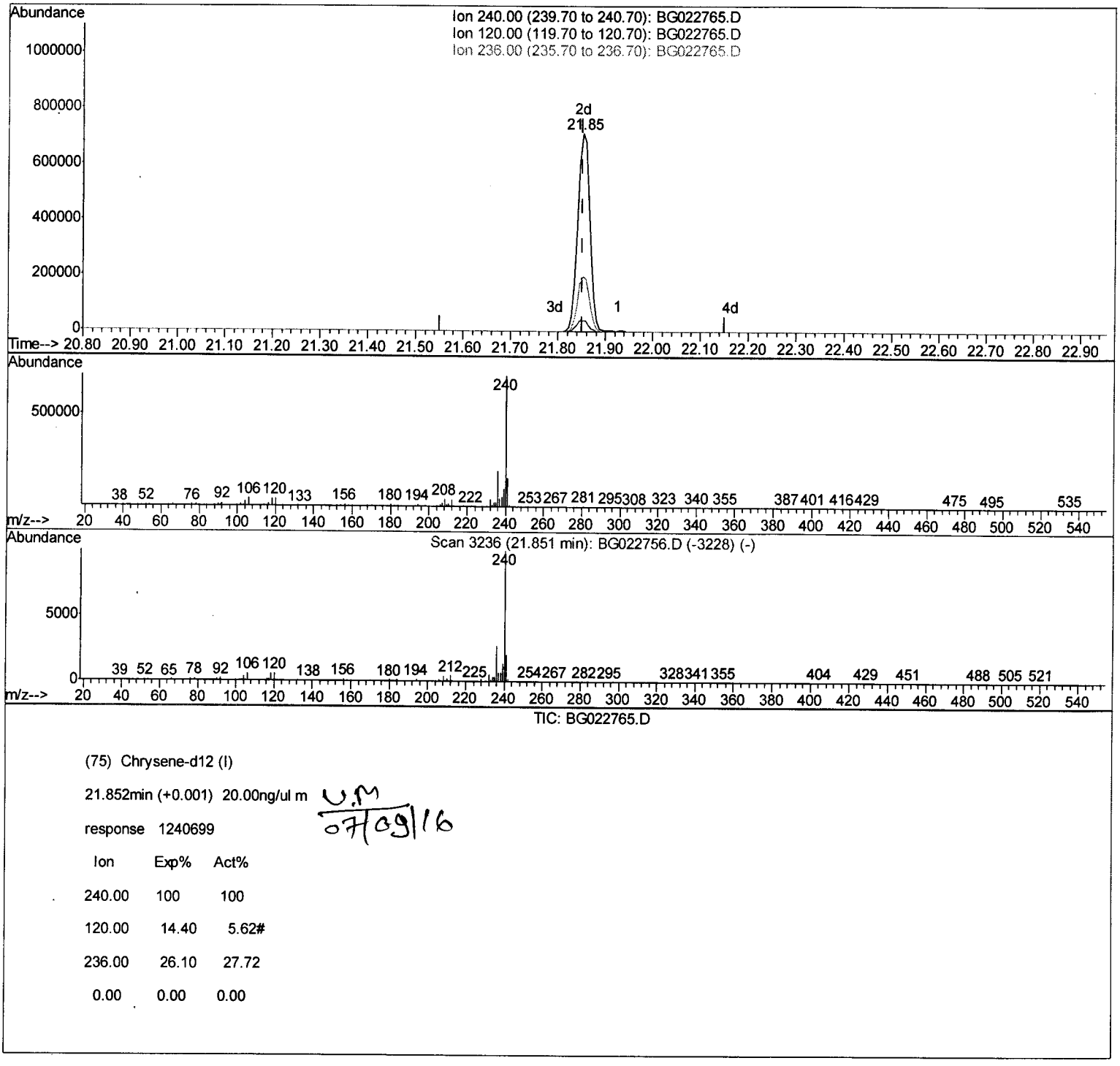
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070116\
Data File : BG022765.D
Acq On : 1 Jul 2016 19:45
Operator : UM/SJ
Sample : H3819-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 02 00:09:08 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 02 00:07:37 2016
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
BDHT5

**Manual Integratio**
**APPROVED**
sohil
7/4/2016 1:30:54 PM




(75) Chrysene-d12 (I)

21.852min (+0.001) 20.00ng/ul m U.M 07/09/16

response 1240699

| Ion | Exp% | Act% |
|---|---|---|
| 240.00 | 100 | 100 |
| 120.00 | 14.40 | 5.62# |
| 236.00 | 26.10 | 27.72 |
| 0.00 | 0.00 | 0.00 |

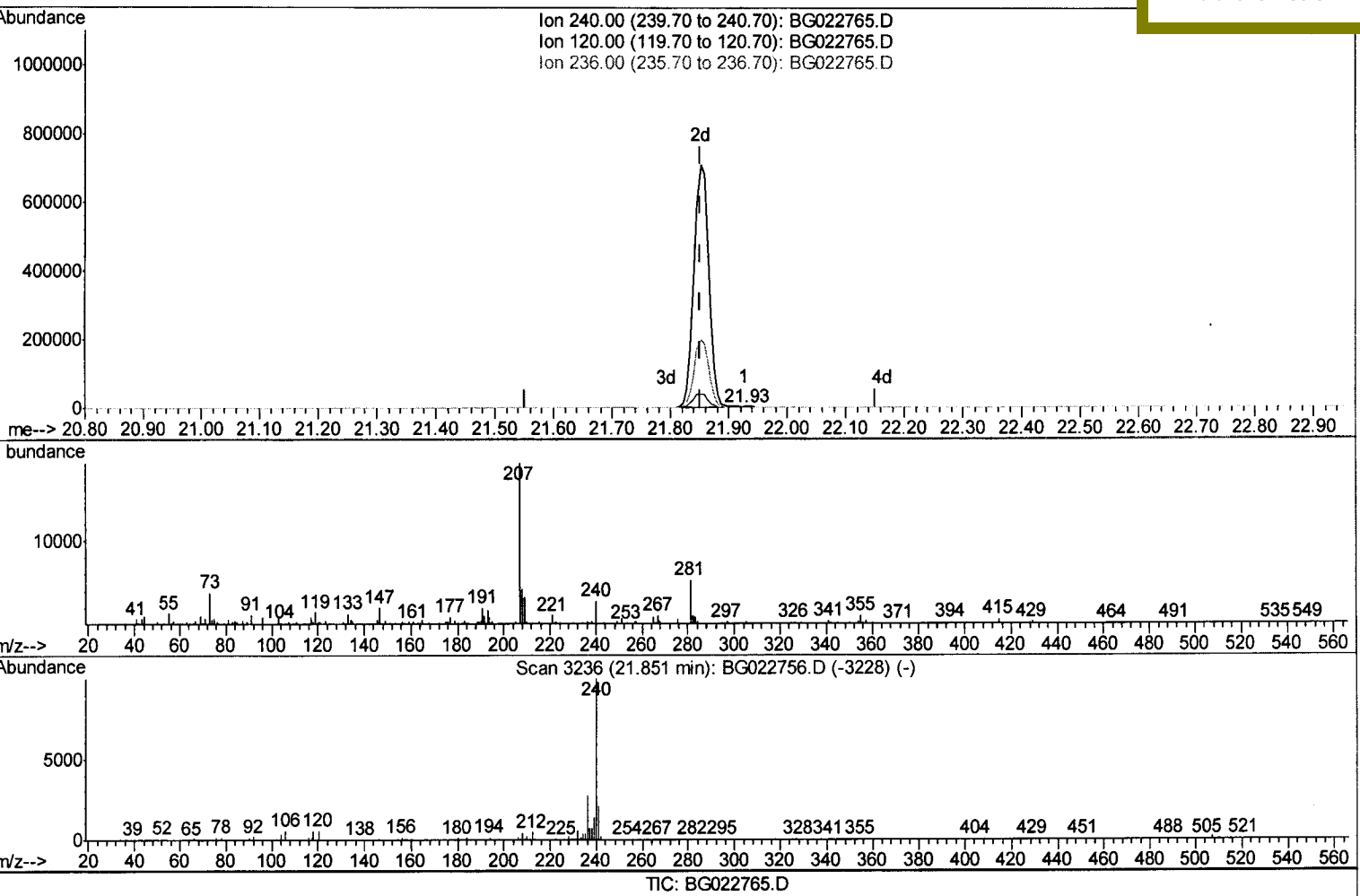
# Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070116\
Data File : BG022765.D
Acq On : 1 Jul 2016 19:45
Operator : UM/SJ
Sample : H3819-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 02 00:09:08 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 02 00:07:37 2016
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
BDHT5

**Manual Integrati**
**APPROVE**
sohil
7/4/2016 1:30:54 PM










TIC: BG022765.D

(75) Chrysene-d12 (I)

21.928min (+0.077) 20.00ng/ul

response 2583

| Ion | Exp% | Act% |
|---|---|---|
| 240.00 | 100 | 100 |
| 120.00 | 14.40 | 25.13# |
| 236.00 | 26.10 | 13.76# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070116\
Data File : BG022765.D
Acq On : 1 Jul 2016 19:45
Operator : UM/SJ
Sample : H3819-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 02 01:13:05 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 02 00:07:37 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
BDHT5

Manual Integrati
APPROVE
sohil
7/4/2016 1:30:54 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.16 | 152 | 119183 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.99 | 136 | 538591 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.80 | 164 | 438949 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.56 | 188 | 1128642m | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.85 | 240 | 1240699m | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 25.22 | 264 | 1266647 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.54 | 96 | 1552m | 0.73 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.31 | 99 | 89417 | 7.13 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.47 | 67 | 196510 | 27.80 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.69 | 132 | 197643 | 23.60 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.87 | 113 | 155342 | 15.95 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.33 | 128 | 127718 | 29.74 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.06 | 143 | 153034 | 29.54 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.60 | 165 | 285084 | 26.32 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.12 | 131 | 6129 | 0.67 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.20 | 166 | 1173138m | 32.90 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.50 | 160 | 1264587 | 30.94 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.99 | 143 | 48115 | 8.59 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.79 | 176 | 1109645 | 32.84 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.91 | 200 | 233956m | 32.23 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.65 | 188 | 1732387 | 33.02 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.94 | 212 | 2006778 | 33.86 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 25.00 | 264 | 2093898 | 34.80 | ng/ul | 0.01 |

U.M. 07/09/16

U.M 07/09/16

| Target Compounds | Qvalue |
|---|---|

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