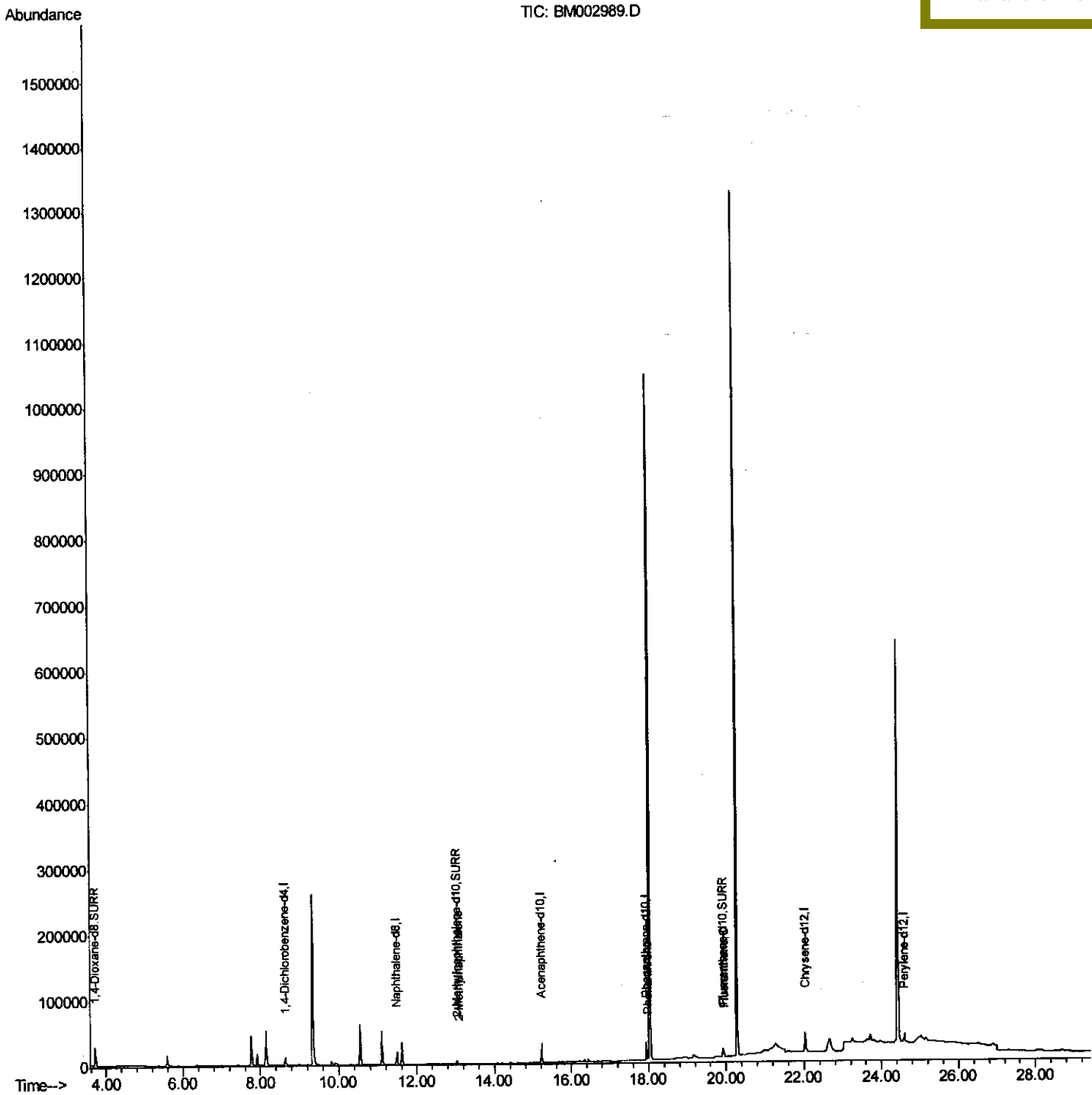
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002989.D
Acq On : 22 Oct 2015 22:27
Operator : UM/IZ
Sample : G4074-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 23 08:16:34 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM102215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 23 01:55:29 2015
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
JG9H5

**Manual Integrations APPROVED**
mmdadoda
10/23/2015 4:43:44 PM



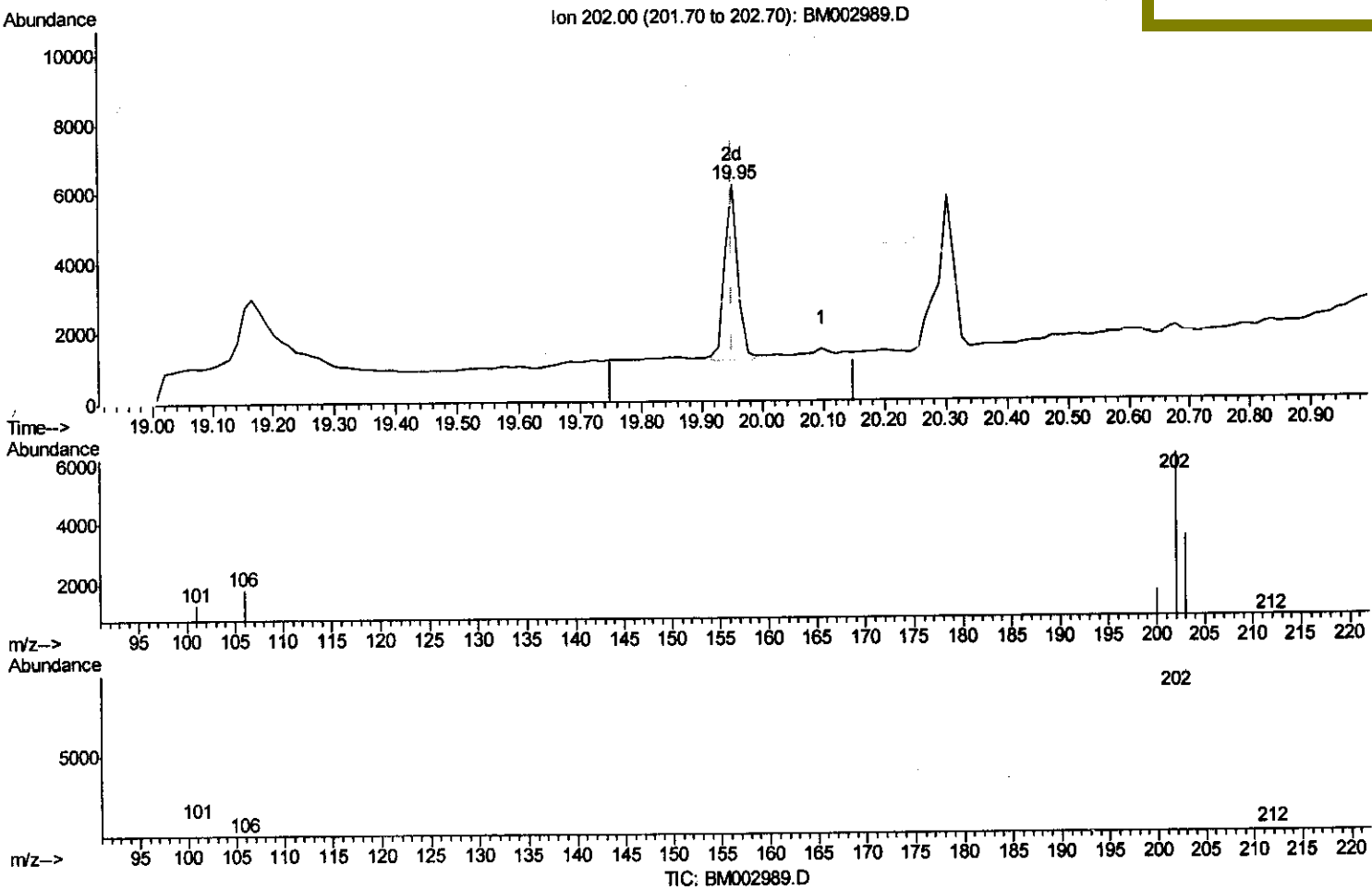
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002989.D
Acq On : 22 Oct 2015 22:27
Operator : UM/IZ
Sample : G4074-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 23 05:55:17 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM102215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 23 01:55:29 2015
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
JG9H5

**Manual Integrations APPROVED**
mmdadoda
10/23/2015 4:43:44 PM



TIC: BM002989.D

(17) Fluoranthene (C)

19.952min (+0.002) 0.05ng/ul m U.M 10/27/15

response 7555

| Ion | Exp% | Act% |
|---|---|---|
| 202.00 | 100 | 100 |
| 101.00 | 13.10 | 20.49 |
| 203.00 | 17.20 | 55.54# |
| 0.00 | 0.00 | 0.00 |

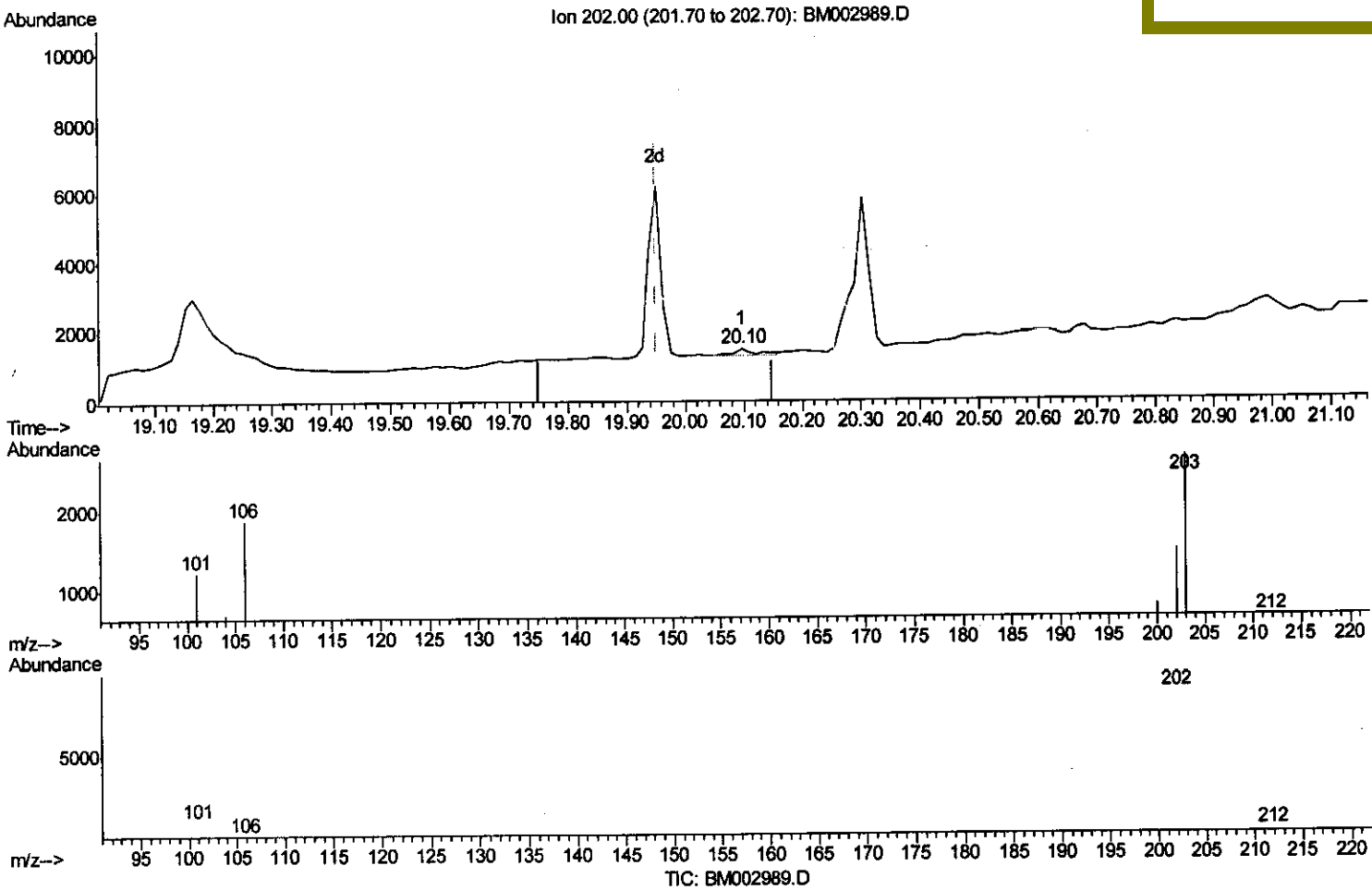
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002989.D
Acq On : 22 Oct 2015 22:27
Operator : UM/IZ
Sample : G4074-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 23 08:15:32 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM102215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 23 01:55:29 2015
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
JG9H5

**Manual Integrations APPROVED**
mmdadoda
10/23/2015 4:43:44 PM




(17) Fluoranthene (C)

20.097min (+0.147) 0.00ng/ul

response 469

| Ion | Exp% | Act% |
|---|---|---|
| 202.00 | 100 | 100 |
| 101.00 | 13.10 | 82.01# |
| 203.00 | 17.20 | 178.93# |
| 0.00 | 0.00 | 0.00 |

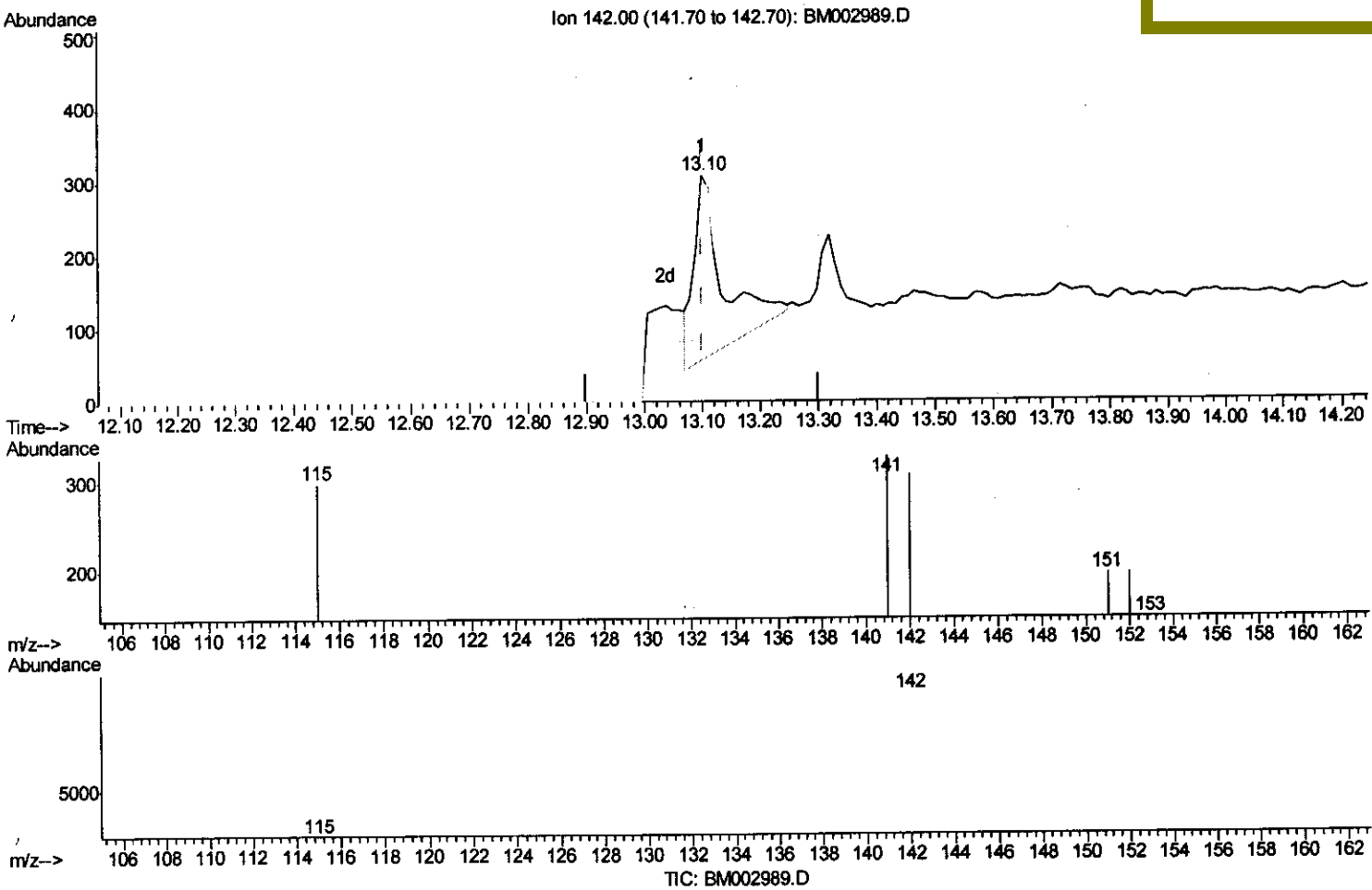
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002989.D
Acq On : 22 Oct 2015 22:27
Operator : UM/IZ
Sample : G4074-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 23 02:01:56 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM102215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 23 01:55:29 2015
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
JG9H5

**Manual Integrations APPROVED**
mmdadoda
10/23/2015 4:43:44 PM




TIC: BM002989.D

(7) 2-Methylnaphthalene

13.100min (-0.000) 0.01ng/ul

response 876

| Ion | Exp% | Act% |
|---|---|---|
| 142.00 | 100 | 100 |
| 141.00 | 87.90 | 99.32 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

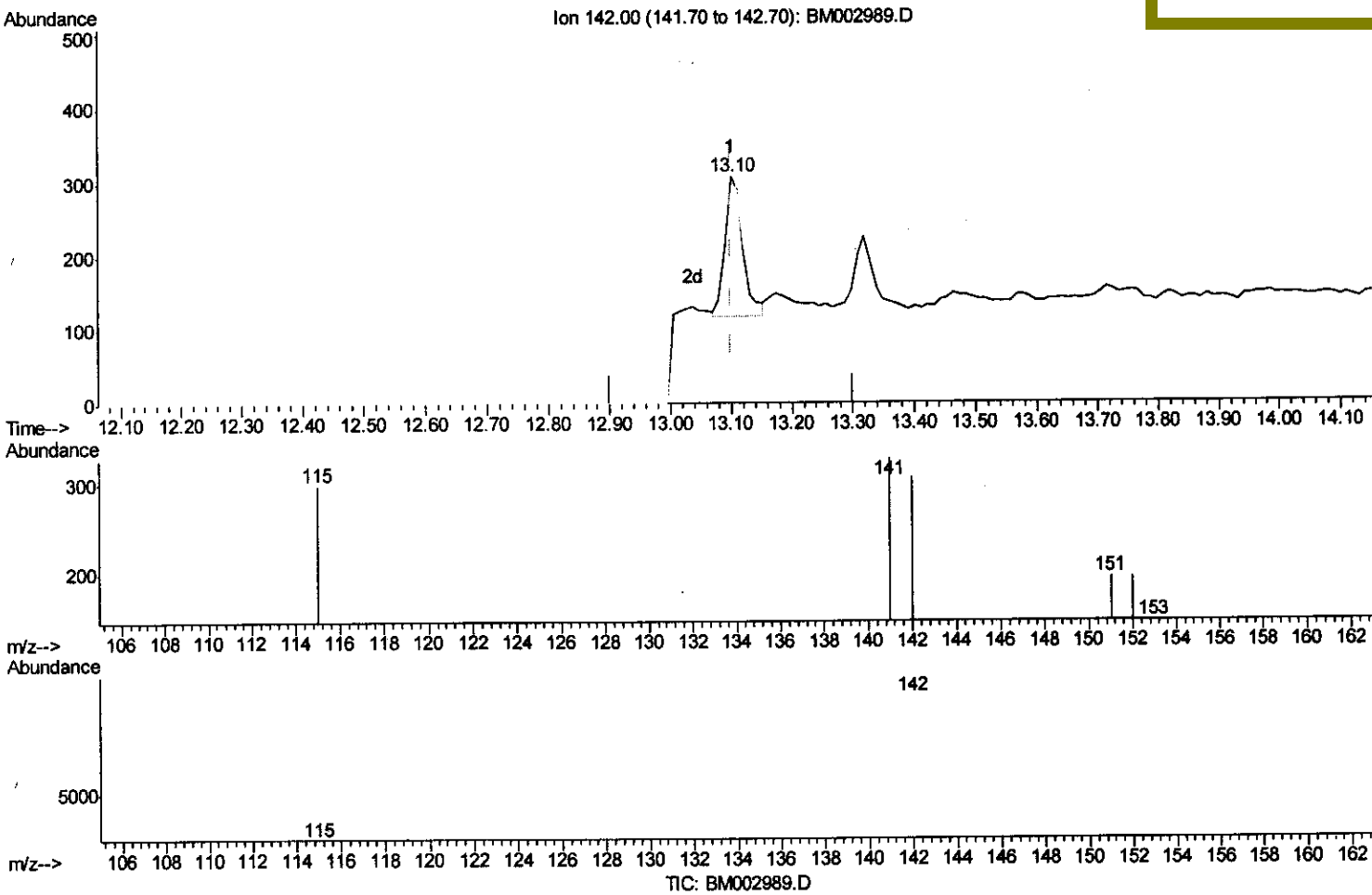
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002989.D
Acq On : 22 Oct 2015 22:27
Operator : UM/IZ
Sample : G4074-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 23 05:52:25 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM102215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 23 01:55:29 2015
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
JG9H5

**Manual Integrations APPROVED**
mmdadoda
10/23/2015 4:43:44 PM




(7) 2-Methylnaphthalene

13.100min (-0.000) 0.01ng/ul m UM 10/27/15

response 394

| Ion | Exp% | Act% |
|---|---|---|
| 142.00 | 100 | 100 |
| 141.00 | 87.90 | 220.81# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

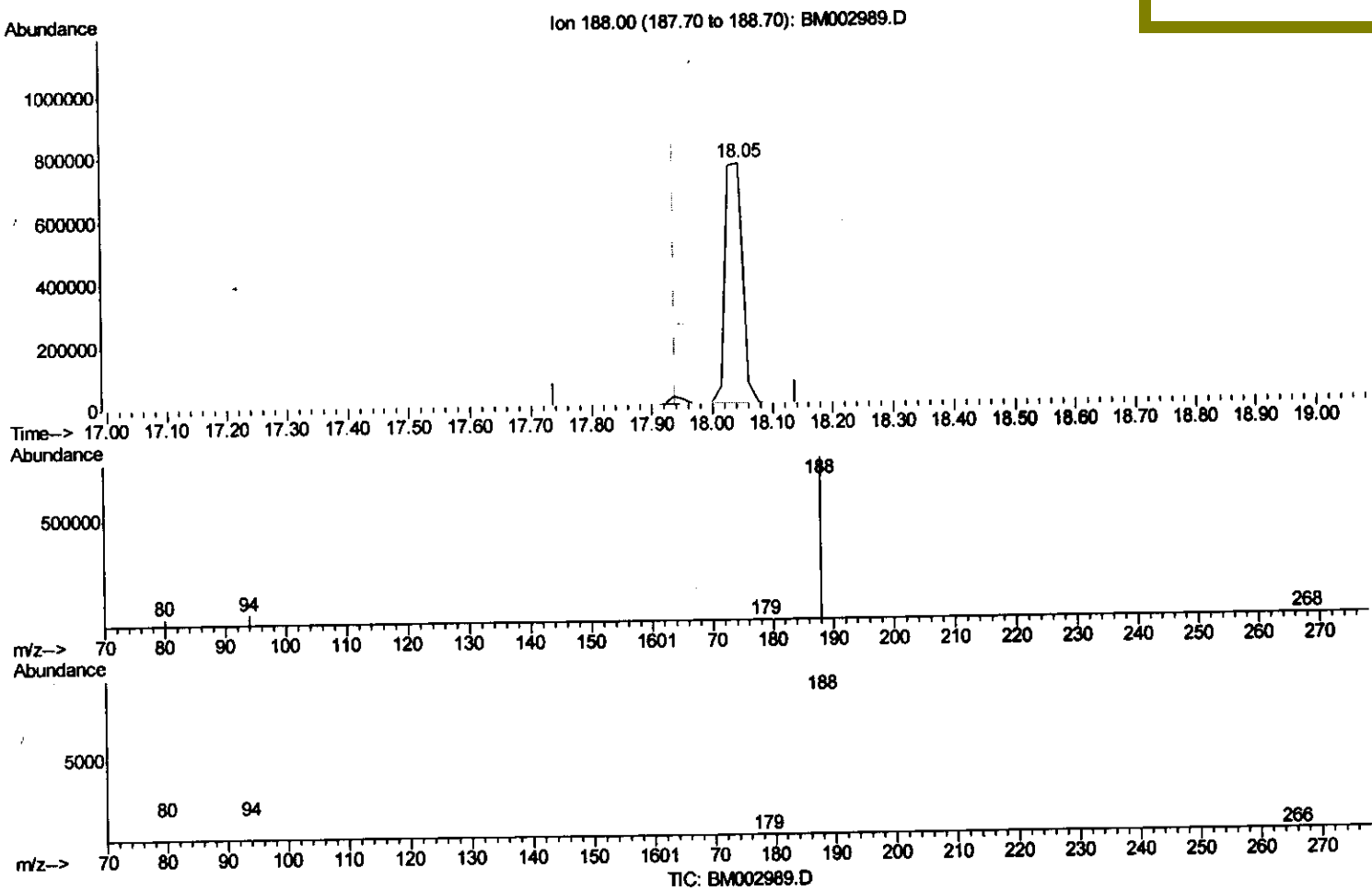
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002989.D
Acq On : 22 Oct 2015 22:27
Operator : UM/IZ
Sample : G4074-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 23 05:52:25 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM102215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 23 01:55:29 2015
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
JG9H5

**Manual Integrations APPROVED**
mmdadoda
10/23/2015 4:43:44 PM




TIC: BM002989.D

(12) Phenanthrene-d10 (I)

18.045min (+0.107) 0.40ng/ul

response 1530150

| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 9.00 | 6.39# |
| 80.00 | 8.90 | 4.37# |
| 0.00 | 0.00 | 0.00 |

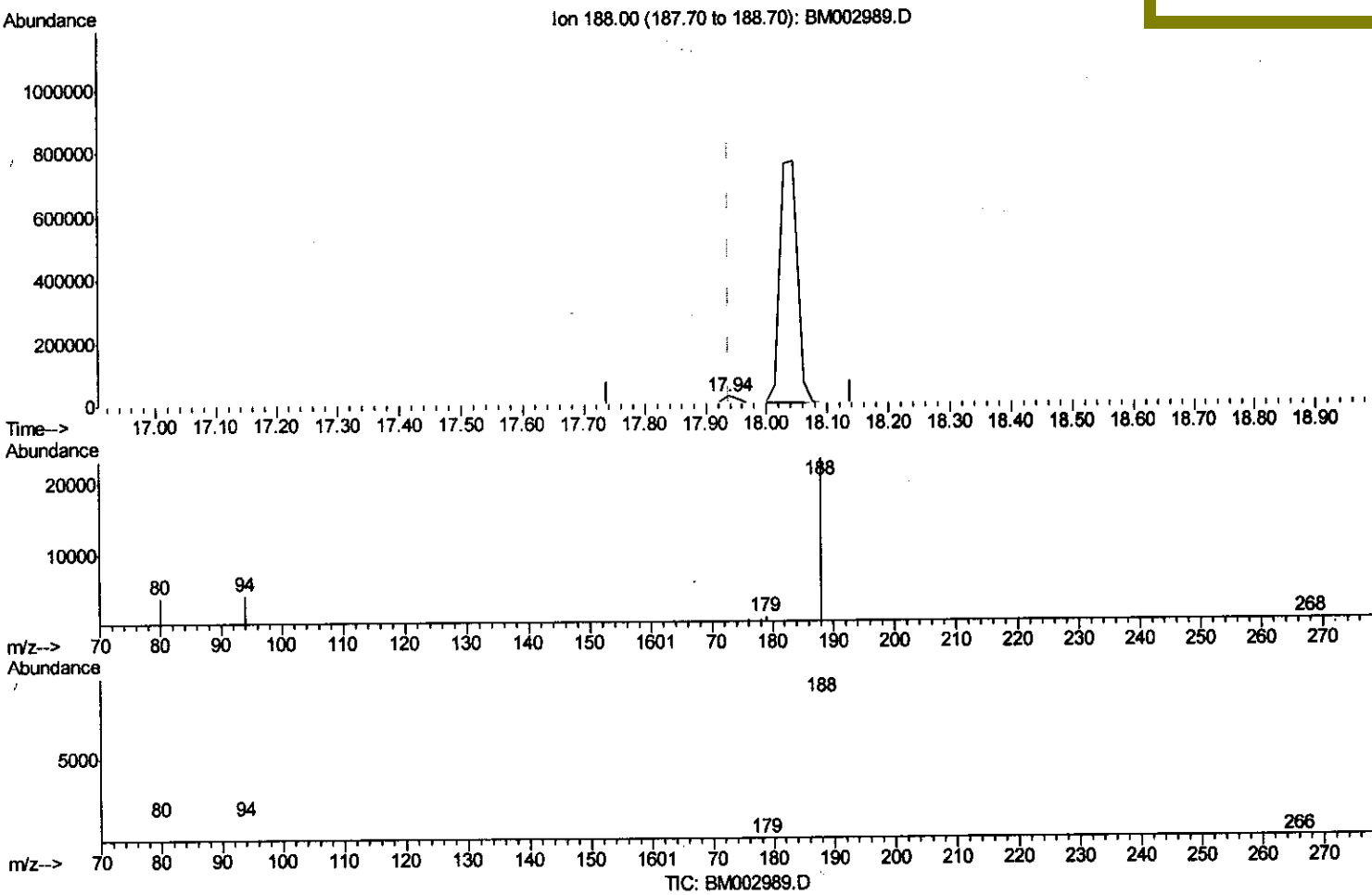
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002989.D
Acq On : 22 Oct 2015 22:27
Operator : UM/IZ
Sample : G4074-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 23 05:52:25 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM102215.M
Quant Title :.ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 23 01:55:29 2015
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
JG9H5

**Manual Integrations APPROVED**
mmdadoda
10/23/2015 4:43:44 PM




(12) Phenanthrene-d10 (I)

17.937min (-0.002) 0.40ng/ul m U,M 10/27/15

response 38502

| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 9.00 | 18.02# |
| 80.00 | 8.90 | 16.47# |
| 0.00 | 0.00 | 0.00 |

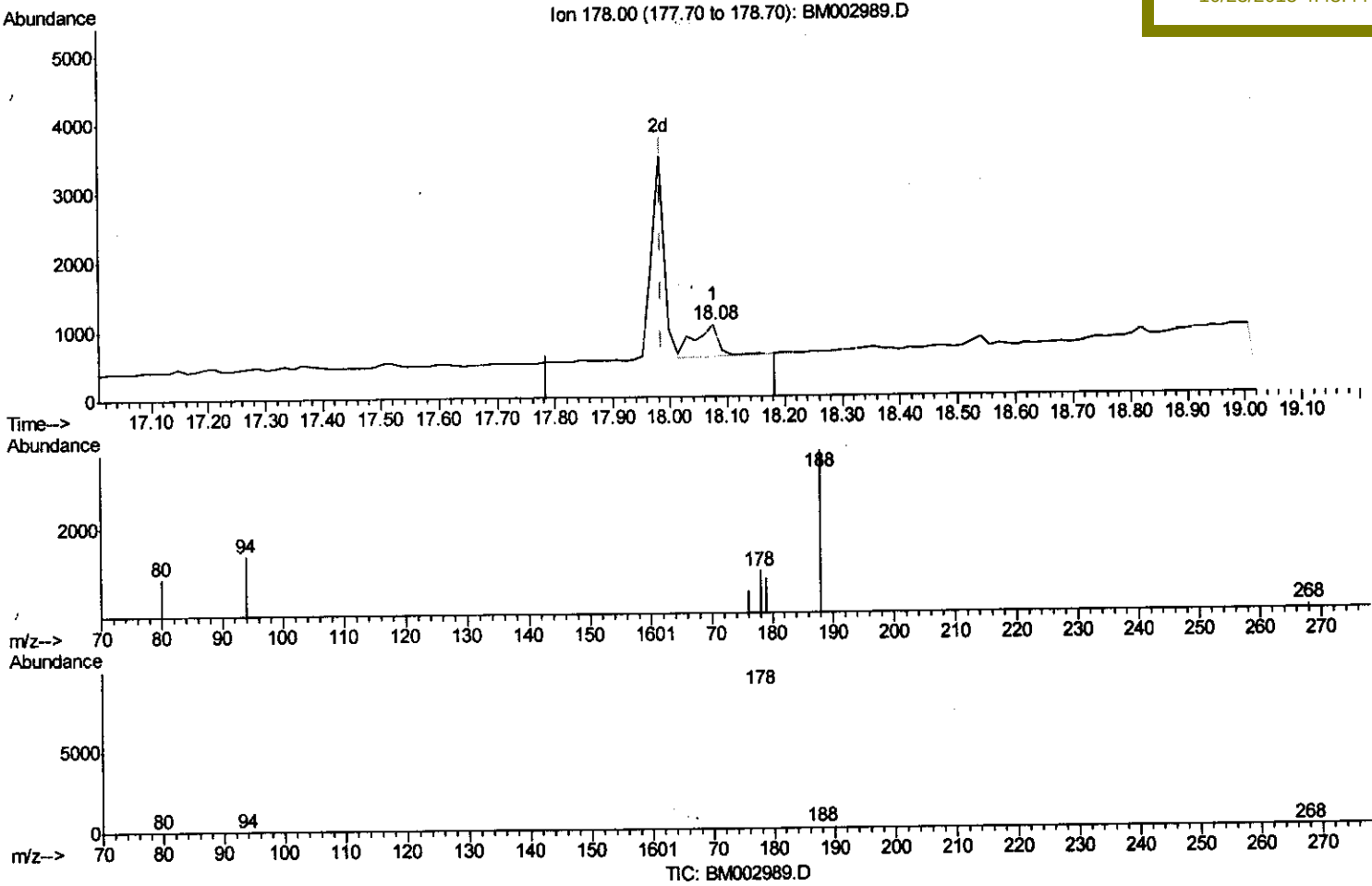
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002989.D
Acq On : 22 Oct 2015 22:27
Operator : UM/IZ
Sample : G4074-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 23 05:53:51 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM102215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 23 01:55:29 2015
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
JG9H5

**Manual Integrations APPROVED**
mmdadoda
10/23/2015 4:43:44 PM




(14) Phenanthrene

18.076min (+0.091) 0.01ng/ul

response 1502

| Ion | Exp% | Act% |
|---|---|---|
| 178.00 | 100 | 100 |
| 176.00 | 20.30 | 59.58# |
| 179.00 | 16.00 | 85.80# |
| 0.00 | 0.00 | 0.00 |

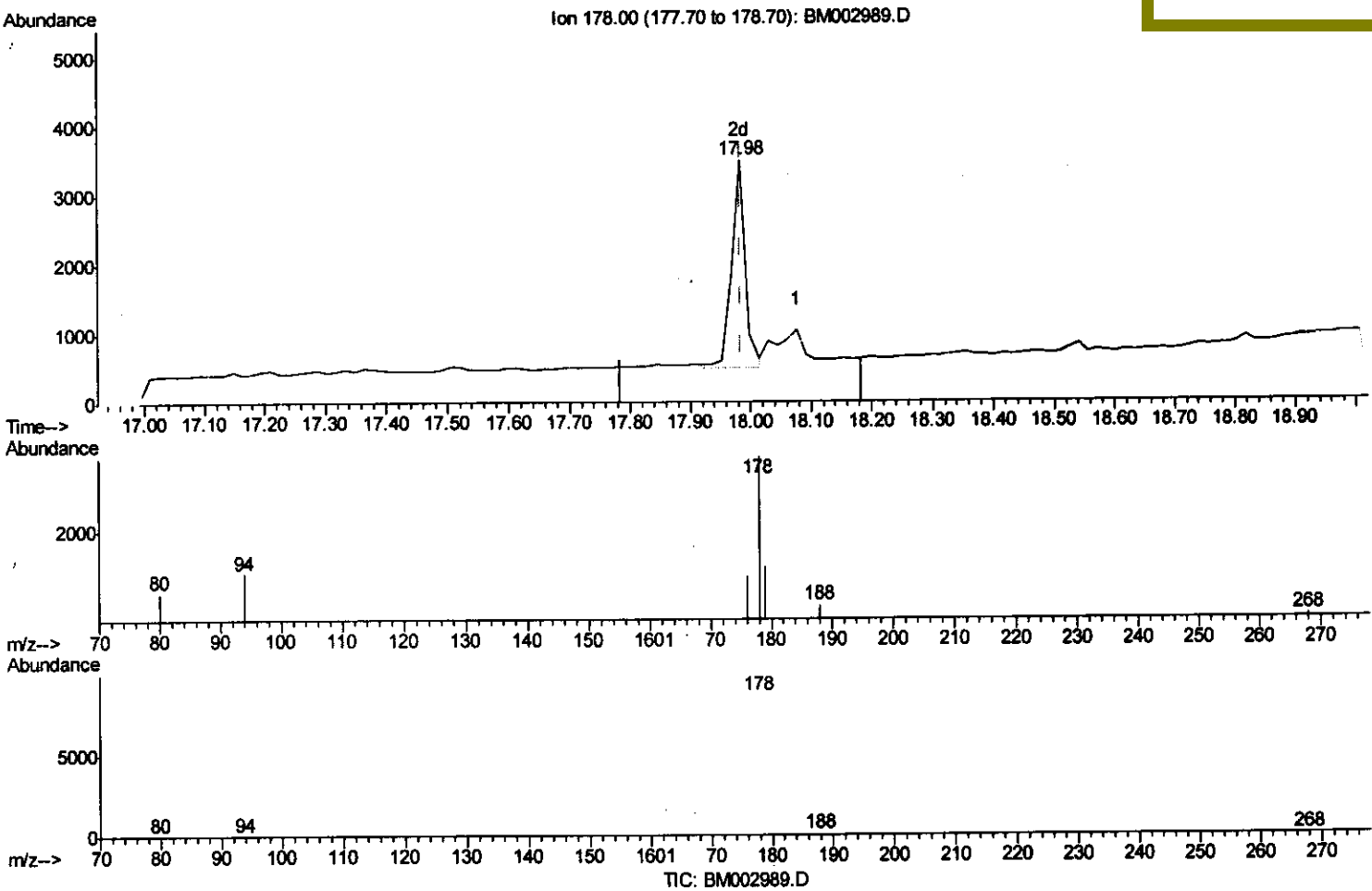
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002989.D
Acq On : 22 Oct 2015 22:27
Operator : UM/IZ
Sample : G4074-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 23 05:53:51 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM102215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 23 01:55:29 2015
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
JG9H5

**Manual Integrations APPROVED**
mmdadoda
10/23/2015 4:43:44 PM




(14) Phenanthrene

17.983min (-0.002) 0.04ng/ul m U.M 10/27/15

response 4785

| Ion | Exp% | Act% |
|---|---|---|
| 178.00 | 100 | 100 |
| 176.00 | 20.30 | 29.79# |
| 179.00 | 16.00 | 35.11# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002989.D
Acq On : 22 Oct 2015 22:27
Operator : UM/IZ
Sample : G4074-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JG9H5

Manual Integrations APPROVED
mmdadoda
10/23/2015 4:43:44 PM

Quant Time: Oct 23 08:16:34 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM102215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 23 01:55:29 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.64 | 152 | 7791 | 0.40 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 11.48 | 136 | 34388 | 0.40 | ng/ul | -0.01 |
| 8) Acenaphthene-d10 | 15.23 | 164 | 18692 | 0.40 | ng/ul | 0.00 |
| 12) Phenanthrene-d10 | 17.94 | 188 | 38502m | 0.40 | ng/ul | 0.00 |
| 18) Chrysene-d12 | 22.03 | 240 | 28730 | 0.40 | ng/ul | 0.00 |
| 22) Perylene-d12 | 24.60 | 264 | 24673 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 2) 1,4-Dioxane-d8 | 3.71 | 96 | 23114 | 2.78 | ng/uL | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 13.04 | 152 | 10647 | 0.18 | ng/ul | 0.00 |
| 16) Fluoranthene-d10 | 19.93 | 212 | 18369 | 0.18 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 7) 2-Methylnaphthalene | 13.10 | 142 | 394m | 0.01 | ng/ul | |
| 14) Phenanthrene | 17.98 | 178 | 4785m | 0.04 | ng/ul | |
| 17) Fluoranthene | 19.95 | 202 | 7555m | 0.05 | ng/ul | |

U.M 10/27/15

U.M 10/27/15

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