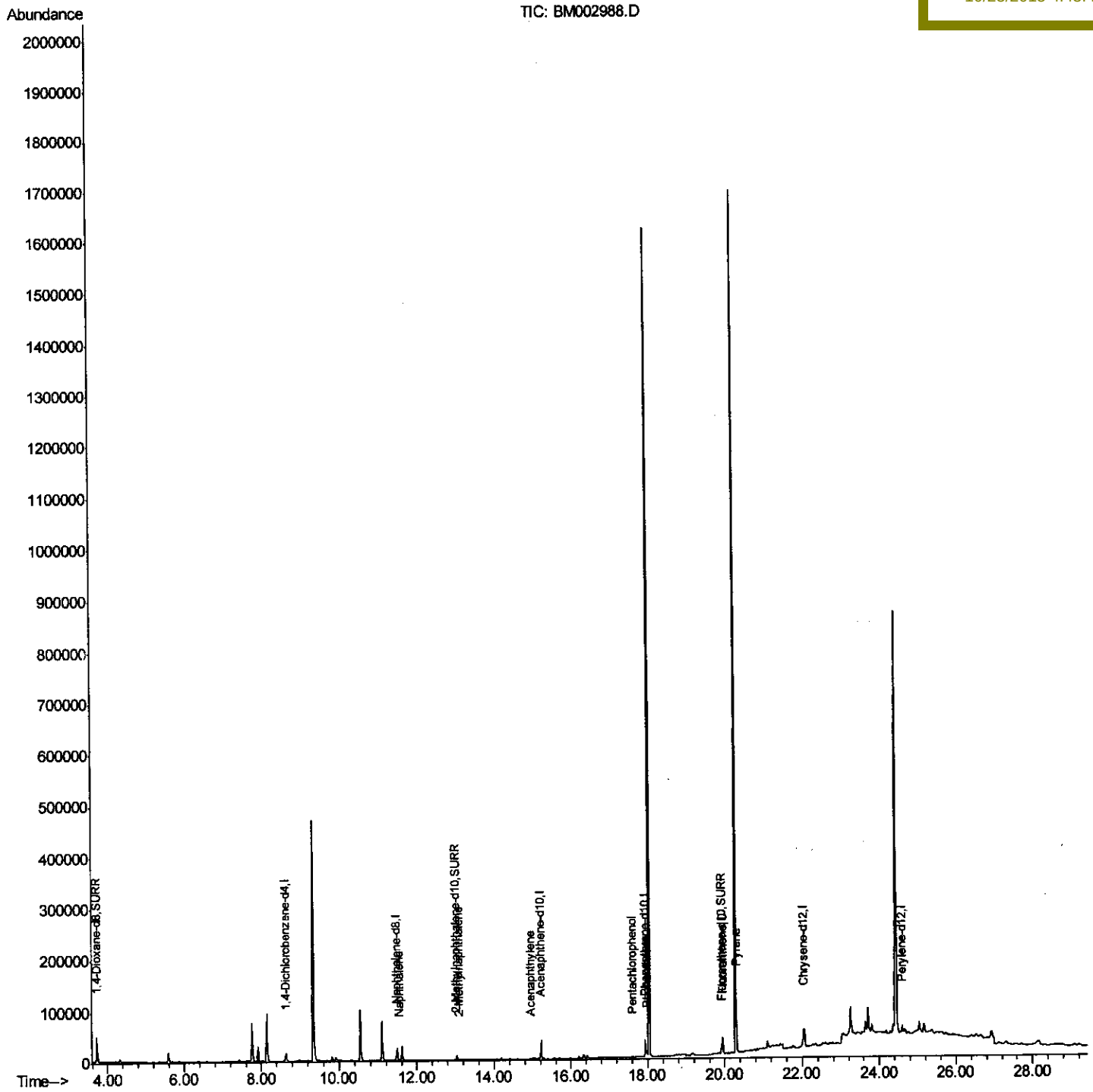
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002988.D
Acq On : 22 Oct 2015 21:50
Operator : UM/IZ
Sample : G4074-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 23 05:50:22 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 :
JG9H4

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



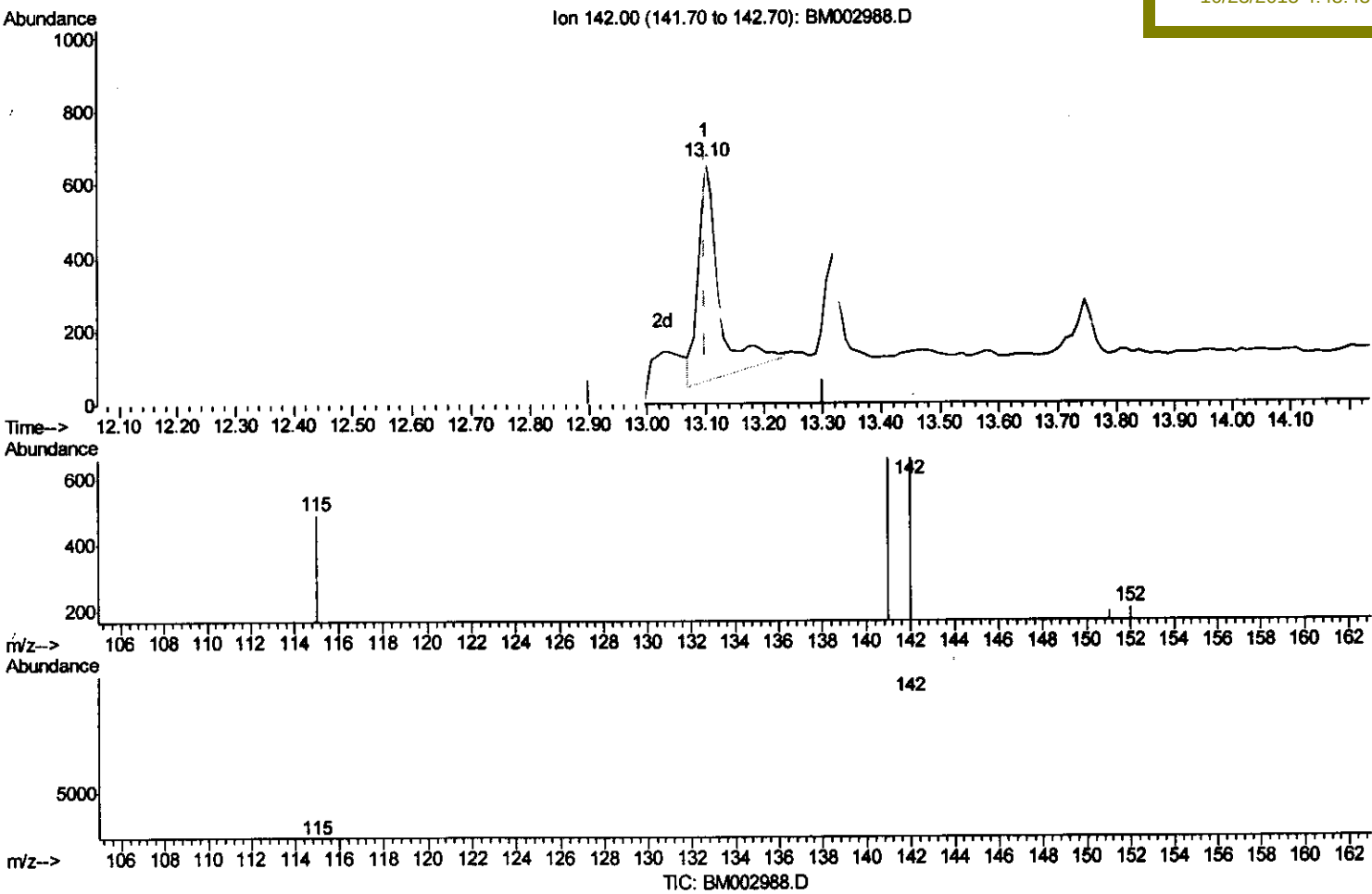
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002988.D
Acq On : 22 Oct 2015 21:50
Operator : UM/IZ
Sample : G4074-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 23 02:01:48 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 :
JG9H4

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



TIC: BM002988.D

(7) 2-Methylnaphthalene

13.100min (-0.000) 0.02ng/ul

response 1475

Ion	Exp%	Act%
142.00	100	100
141.00	87.90	97.29
0.00	0.00	0.00
0.00	0.00	0.00

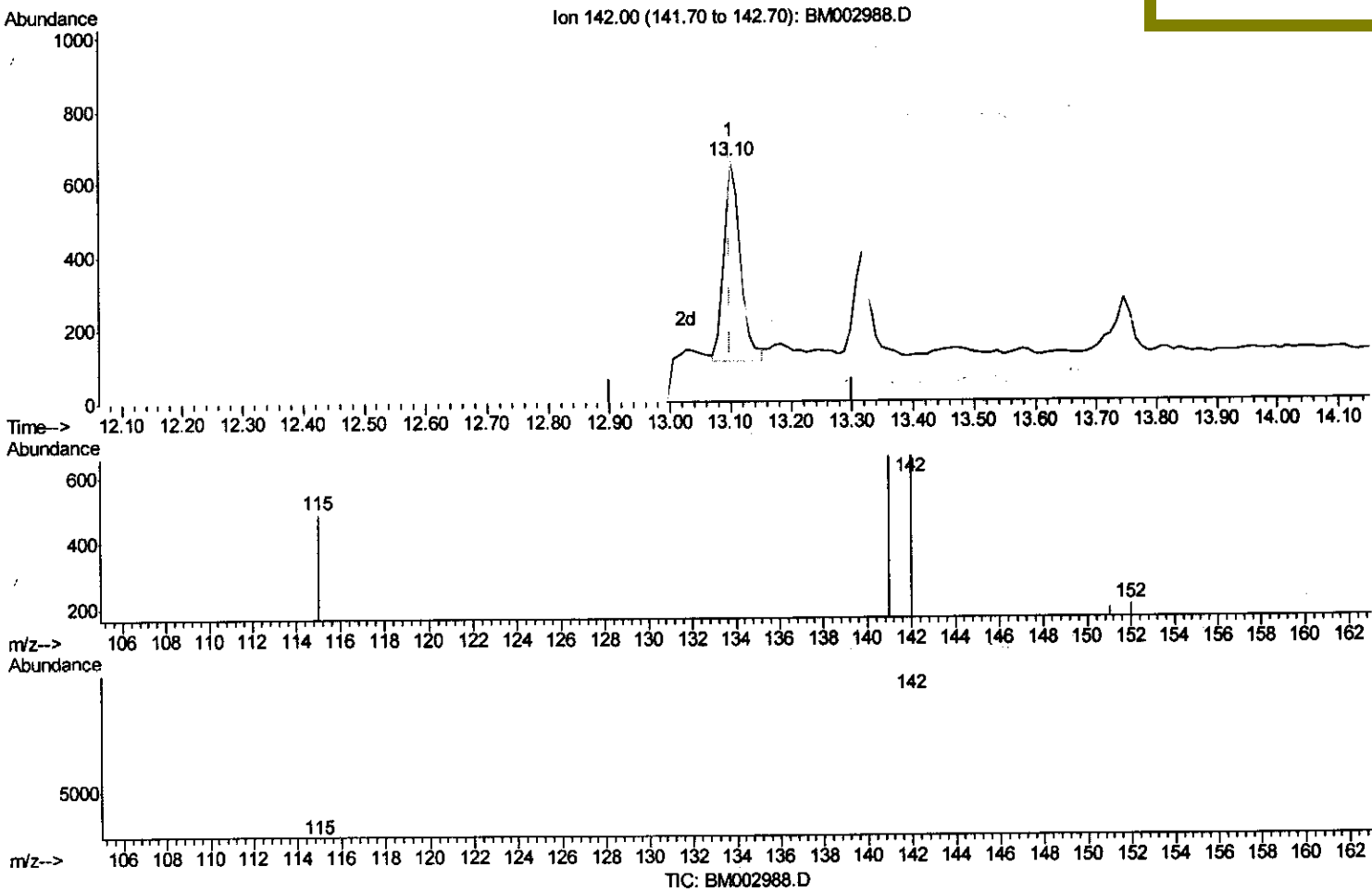
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002988.D
Acq On : 22 Oct 2015 21:50
Operator : UM/IZ
Sample : G4074-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 23 02:01:48 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 :
JG9H4

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



(7) 2-Methylnaphthalene

13.100min (-0.000) 0.01ng/ul m U.M 10/27/15

response 1044

Ion	Exp%	Act%
142.00	100	100
141.00	87.90	137.45#
0.00	0.00	0.00
0.00	0.00	0.00

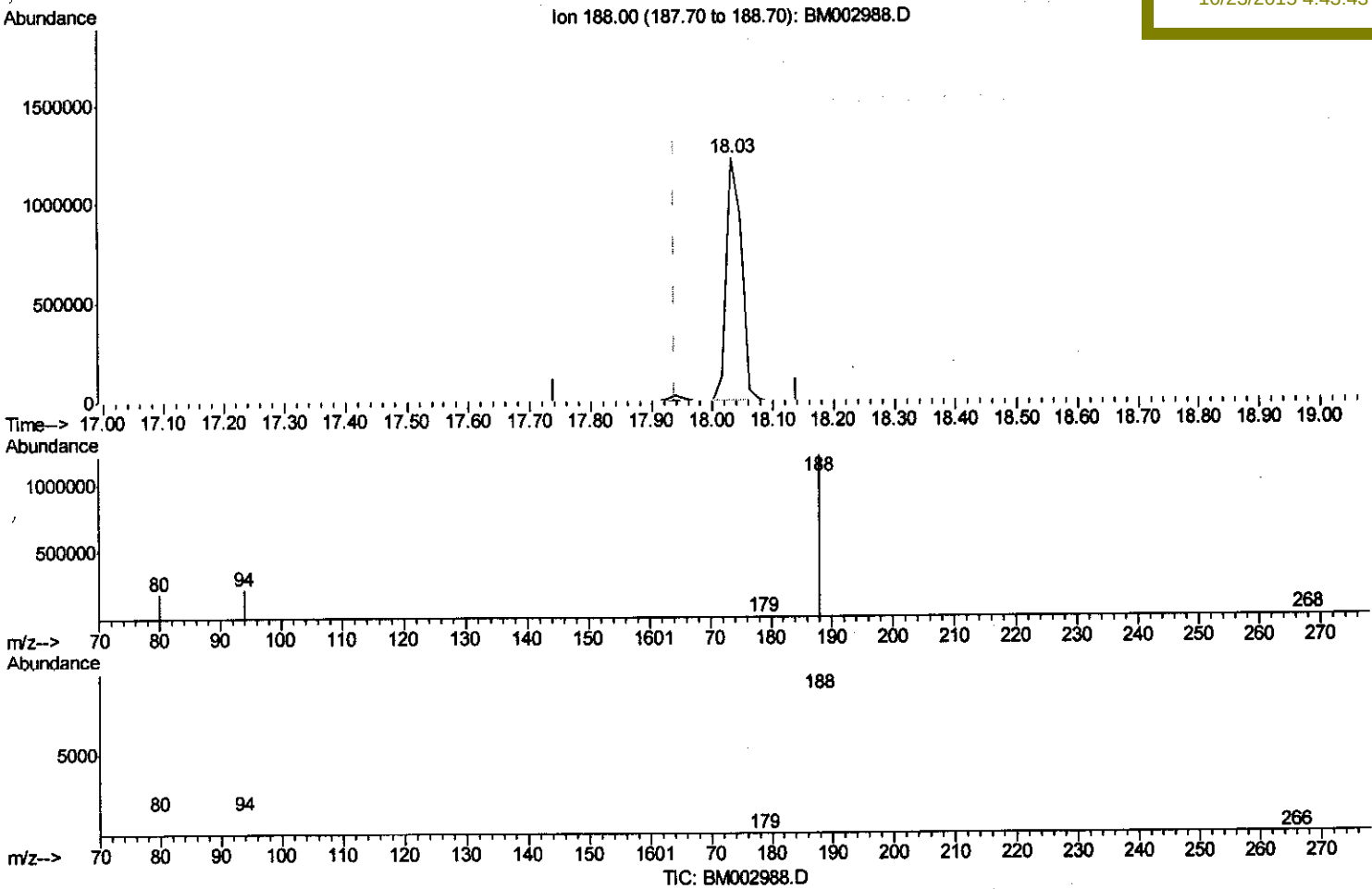
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002988.D
Acq On : 22 Oct 2015 21:50
Operator : UM/IZ
Sample : G4074-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 23 02:01:48 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 :
JG9H4

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



(12) Phenanthrene-d10 (I)

18.031min (+0.093) 0.40ng/ul

response 2158863

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	17.68#
80.00	8.90	15.02#
0.00	0.00	0.00

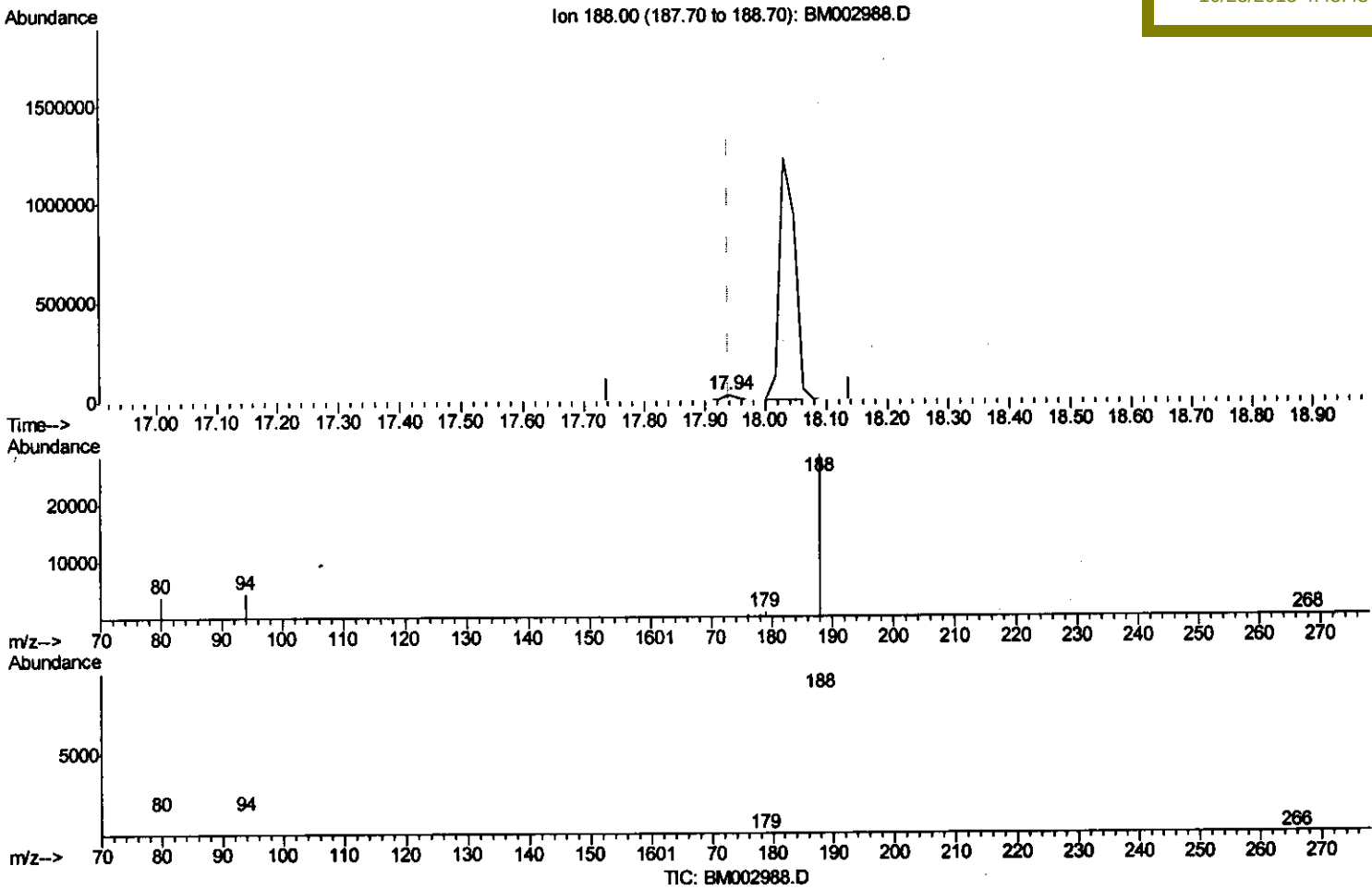
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002988.D
Acq On : 22 Oct 2015 21:50
Operator : UM/IZ
Sample : G4074-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 23 02:01:48 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 :
JG9H4

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



(12) Phenanthrene-d10 (I)

17.938min (-0.000) 0.40ng/ul m U,M 10/27/15

response 42105

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	15.50#
80.00	8.90	13.65#
0.00	0.00	0.00

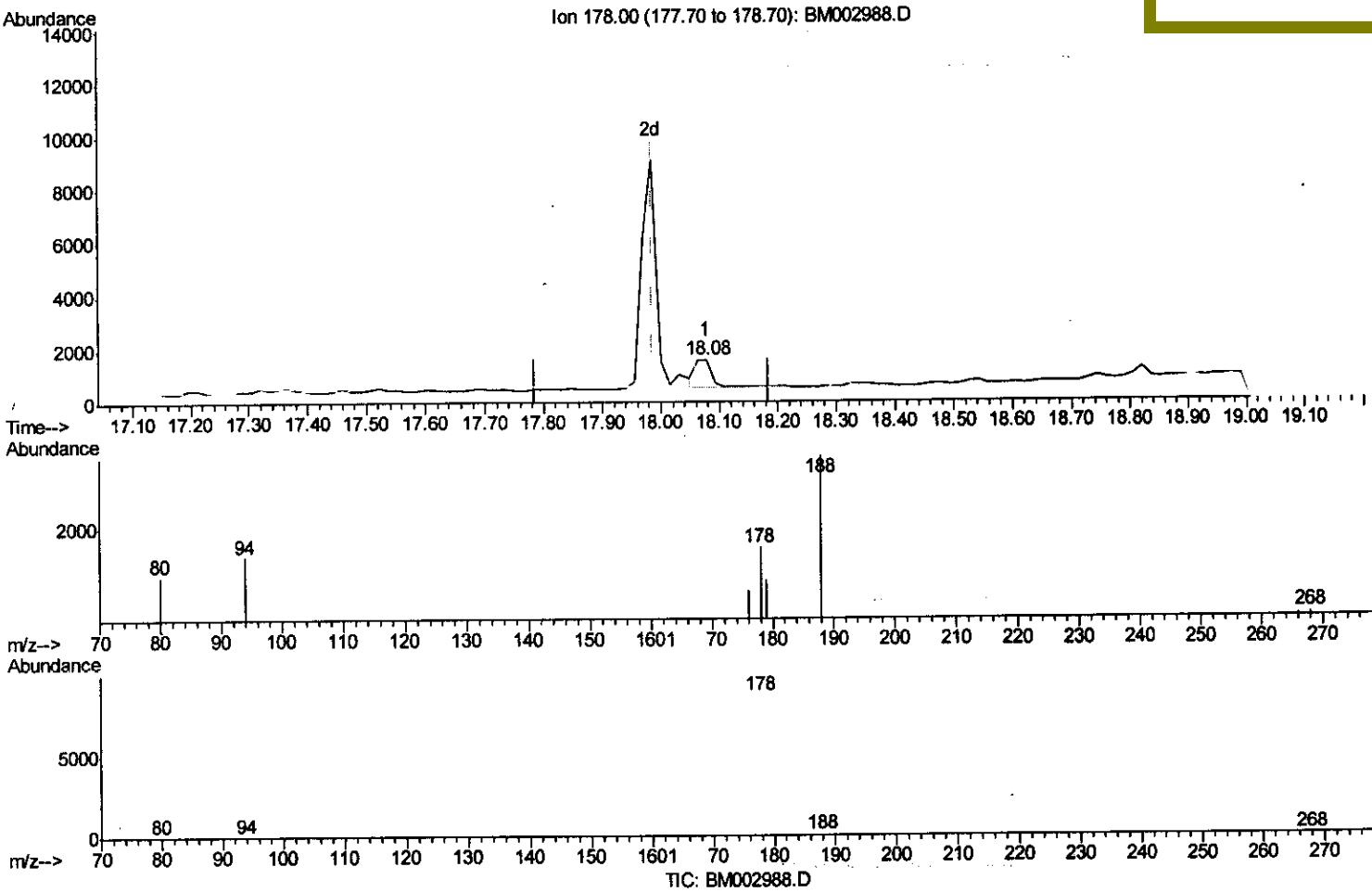
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002988.D
Acq On : 22 Oct 2015 21:50
Operator : UM/IZ
Sample : G4074-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 23 05:46:51 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 :
JG9H4

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



(14) Phenanthrene

18.078min (+0.093) 0.02ng/ul

response 2288

Ion	Exp%	Act%
178.00	100	100
176.00	20.30	44.87#
179.00	16.00	57.65#
0.00	0.00	0.00

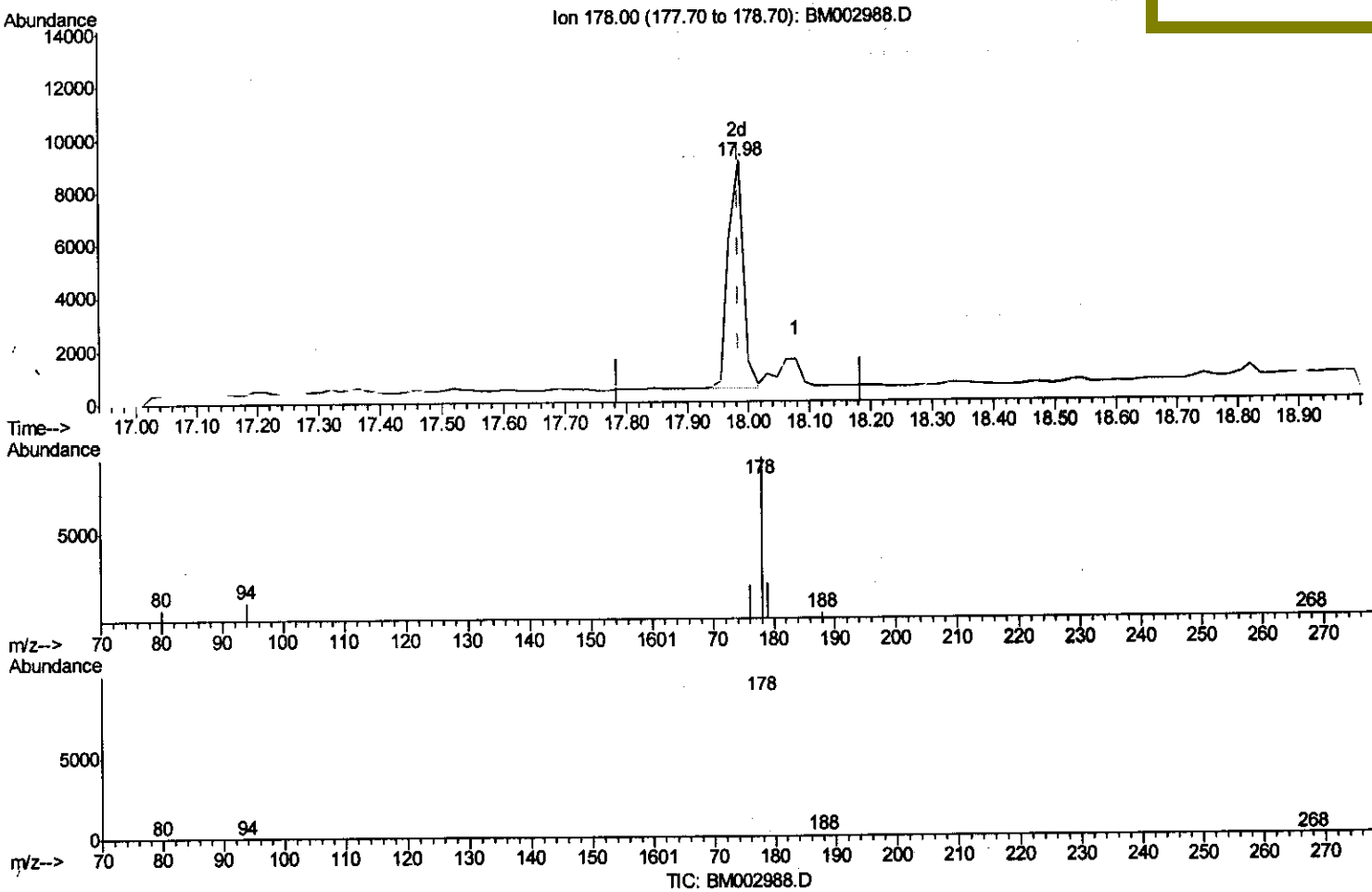
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002988.D
Acq On : 22 Oct 2015 21:50
Operator : UM/IZ
Sample : G4074-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 23 05:46:51 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 :
JG9H4

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



(14) Phenanthrene

17.985min (-0.000) 0.11ng/ul m U.M 10/27/15

response 14740

Ion	Exp%	Act%
178.00	100	100
176.00	20.30	21.67
179.00	16.00	22.97#
0.00	0.00	0.00

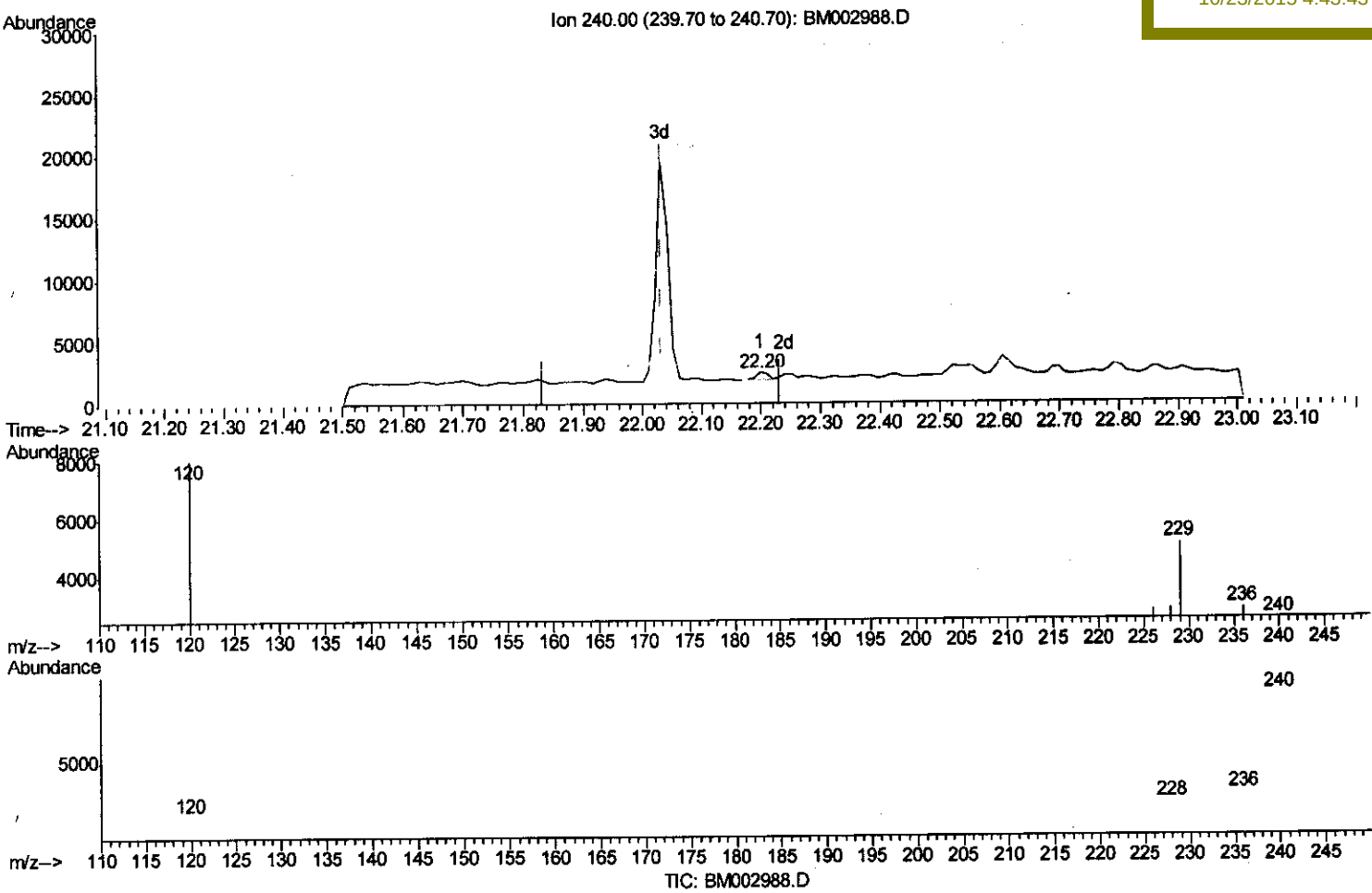
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002988.D
Acq On : 22 Oct 2015 21:50
Operator : UM/IZ
Sample : G4074-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 23 05:46:51 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 :
JG9H4

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



TIC: BM002988.D

(18) Chrysene-d12 (I)

22.199min (+0.167) 0.40ng/ul

response 871

Ion	Exp%	Act%
240.00	100	100
120.00	15.00	329.11#
236.00	30.00	114.72#
0.00	0.00	0.00

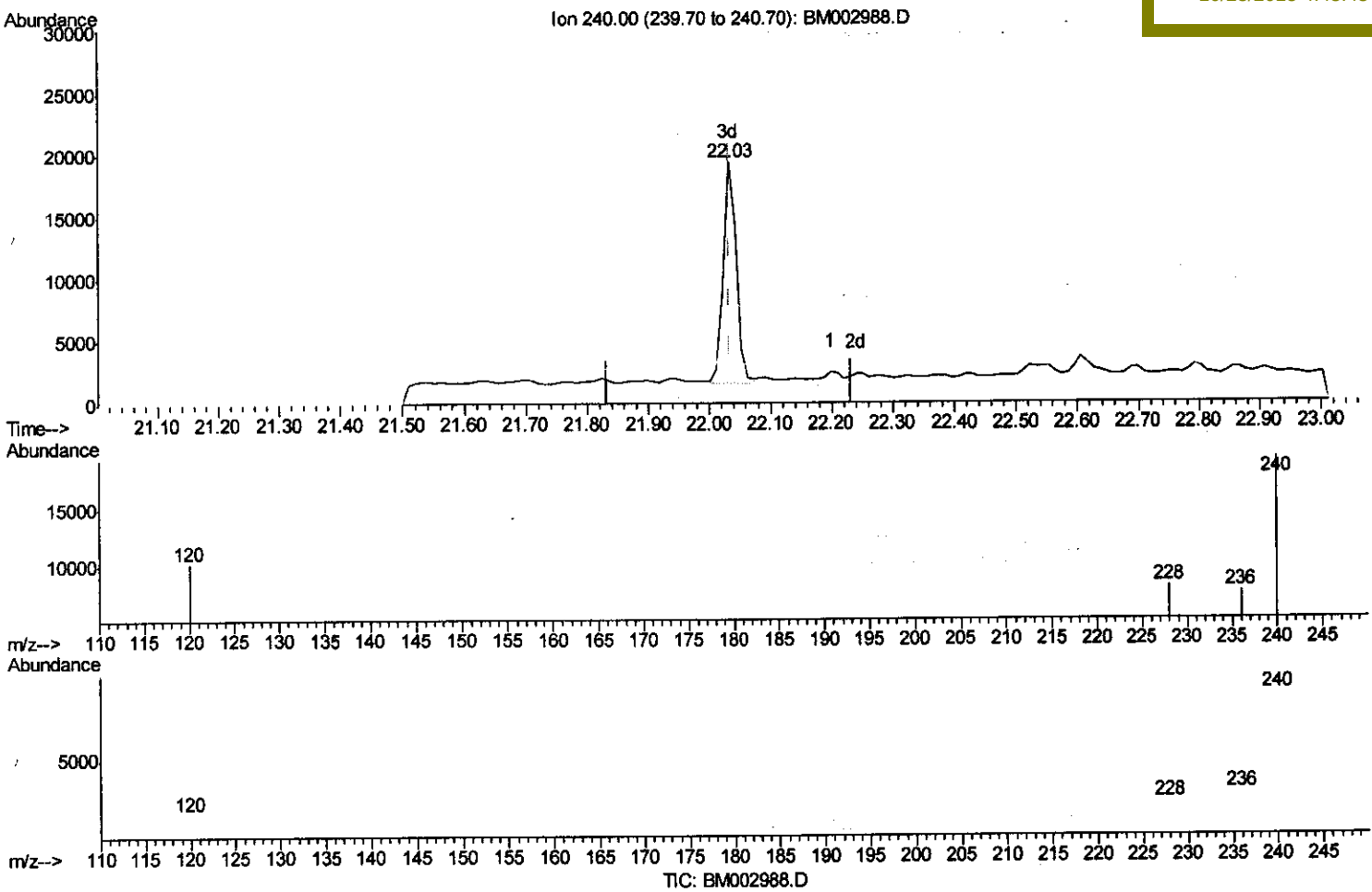
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002988.D
Acq On : 22 Oct 2015 21:50
Operator : UM/IZ
Sample : G4074-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 23 05:46:51 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 :
JG9H4

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



(18) Chrysene-d12 (I)

22.032min (-0.000) 0.40ng/ul m U.M 10/27/15

response 26386

Ion	Exp%	Act%
240.00	100	100
120.00	15.00	52.58#
236.00	30.00	38.90#
0.00	0.00	0.00

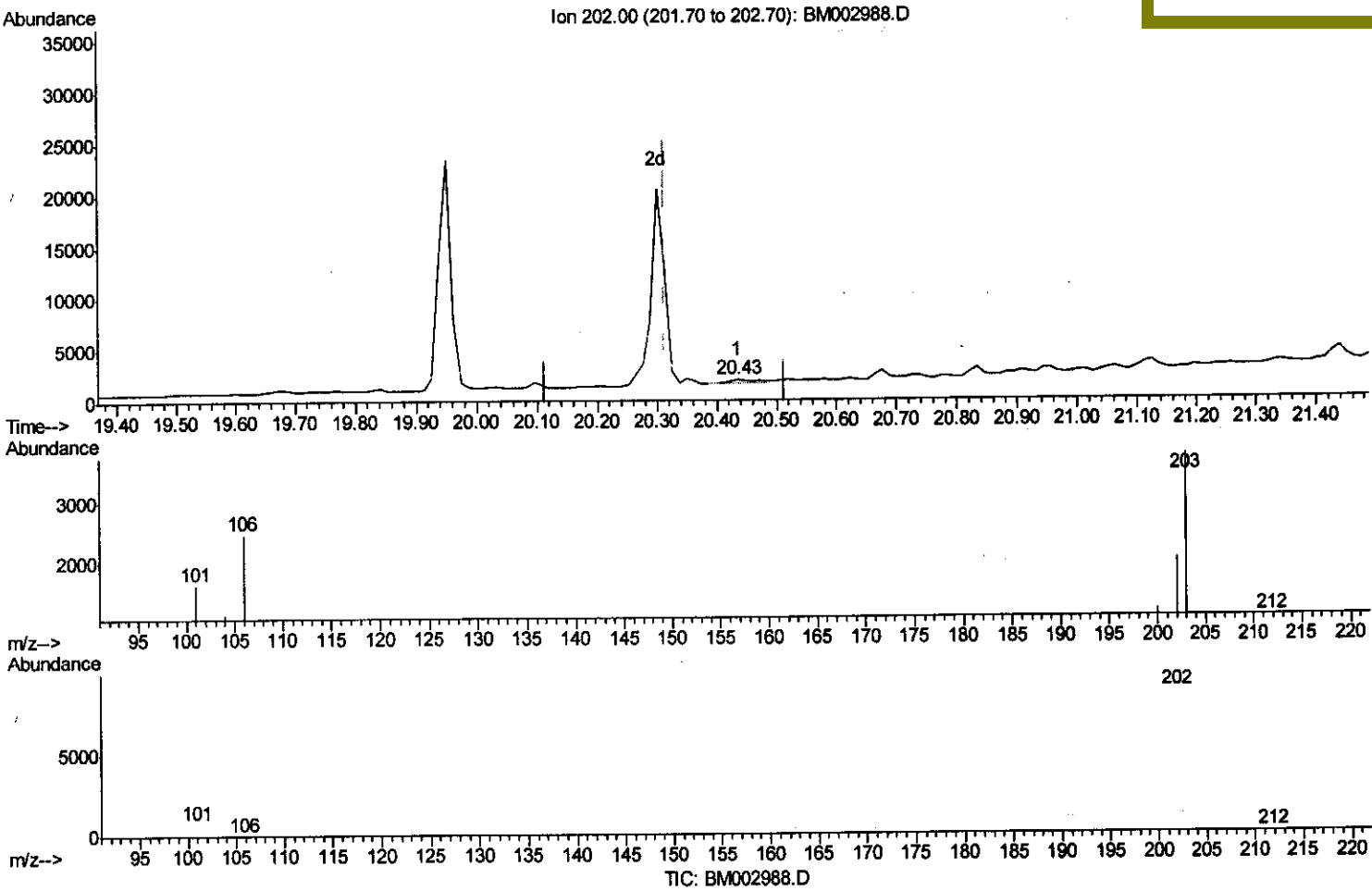
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002988.D
Acq On : 22 Oct 2015 21:50
Operator : UM/IZ
Sample : G4074-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 23 05:47:47 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 :
JG9H4

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



(19) Pyrene

20.434min (+0.121) 0.02ng/ul

response 1553

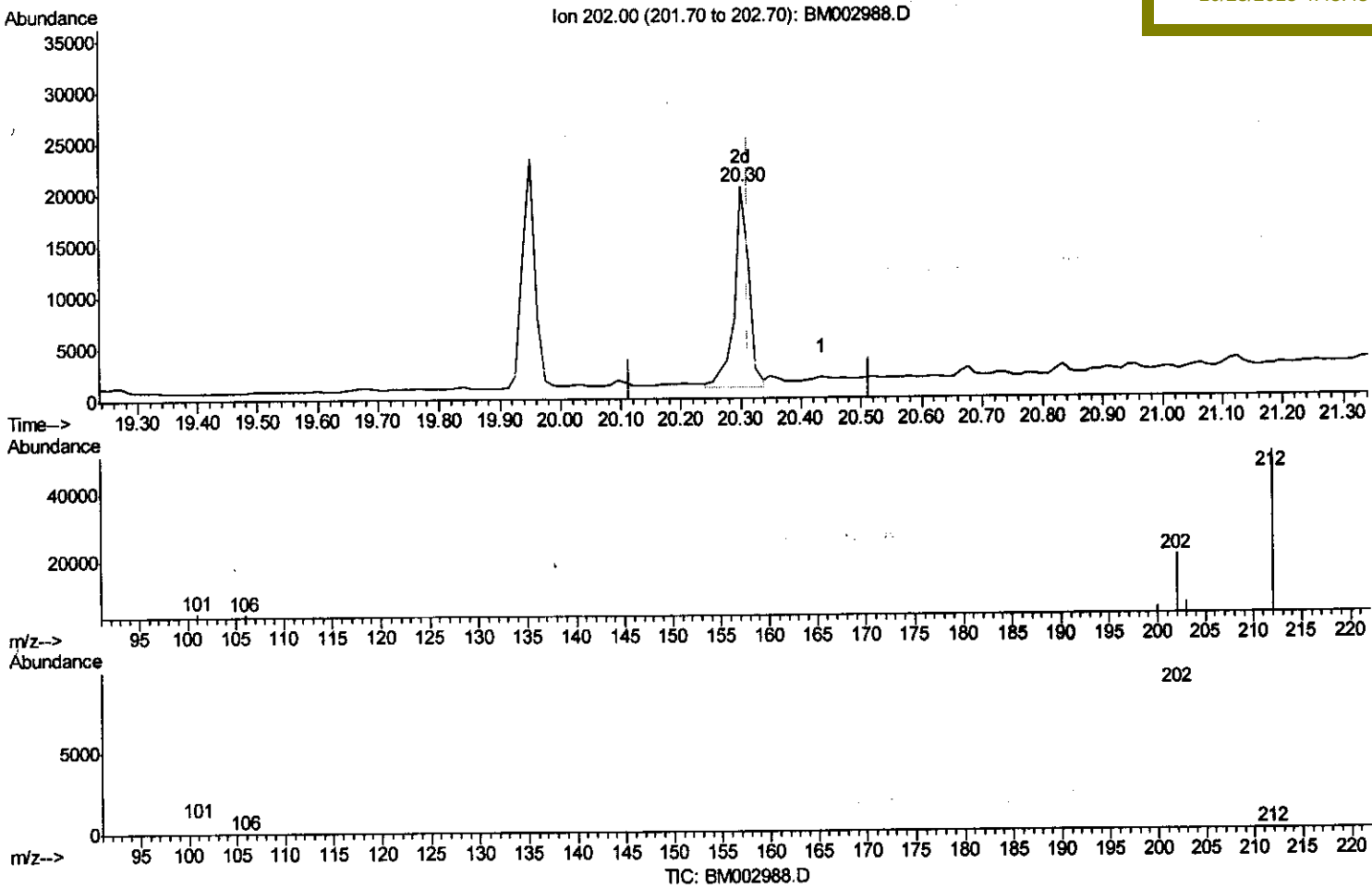
Ion	Exp%	Act%
202.00	100	100
200.00	22.50	57.52#
203.00	17.20	185.41#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002988.D
Acq On : 22 Oct 2015 21:50
Operator : UM/IZ
Sample : G4074-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 23 05:47:47 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 :
JG9H4

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



(19) Pyrene

20.301min (-0.012) 0.34ng/ul m U.M 10/27/15

response 32693

Ion	Exp%	Act%
202.00	100	100
200.00	22.50	24.28
203.00	17.20	31.51#
0.00	0.00	0.00

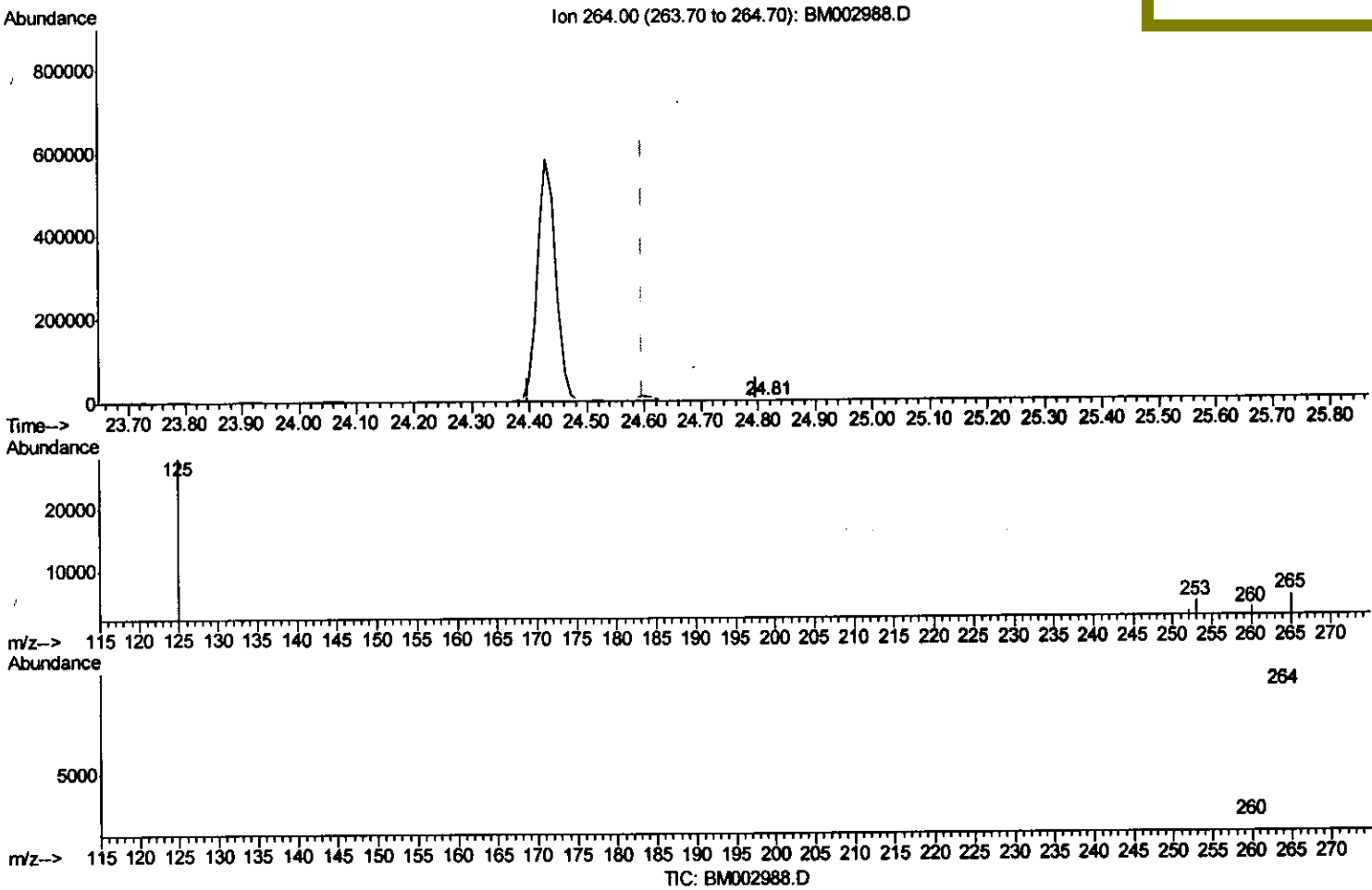
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002988.D
Acq On : 22 Oct 2015 21:50
Operator : UM/IZ
Sample : G4074-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 23 05:47:47 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 :
JG9H4

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



(22) Perylene-d12 (I)

24.815min (+0.219) 0.40ng/ul

response 403

Ion	Exp%	Act%
264.00	100	100
260.00	28.90	153.24#
265.00	34.70	242.11#
0.00	0.00	0.00

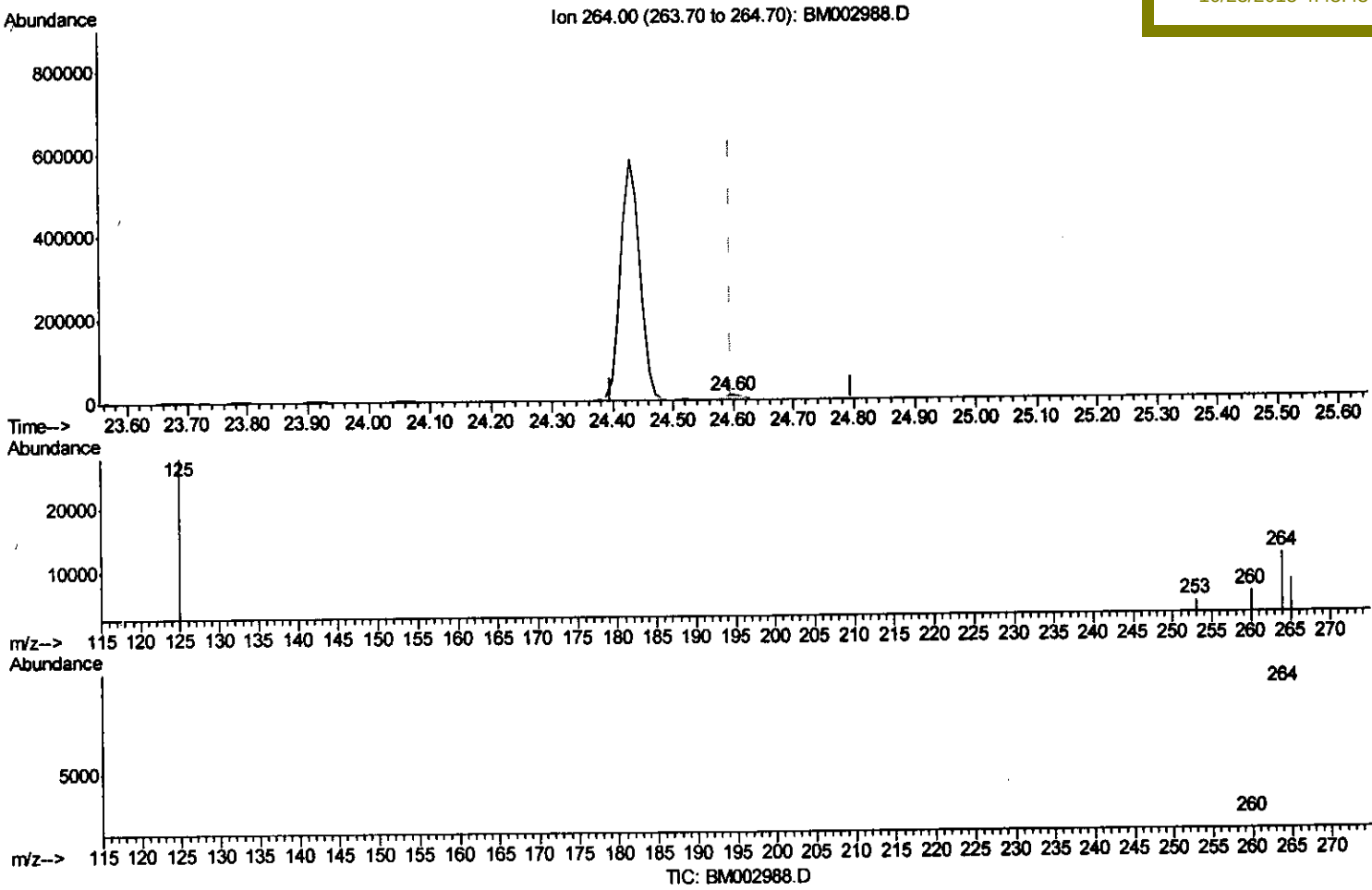
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002988.D
Acq On : 22 Oct 2015 21:50
Operator : UM/IZ
Sample : G4074-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 23 05:47:47 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 :
JG9H4

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



(22) Perylene-d12 (I)

24.596min (-0.000) 0.40ng/ul m U.M 10/27/15

response 22585

Ion	Exp%	Act%
264.00	100	100
260.00	28.90	51.17#
265.00	34.70	65.47#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102315\
Data File : BM002988.D
Acq On : 22 Oct 2015 21:50
Operator : UM/IZ
Sample : G4074-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JG9H4

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

Quant Time: Oct 23 05:50:22 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
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.64	152	10084	0.40	ng/ul	0.00
4) Naphthalene-d8	11.48	136	42395	0.40	ng/ul	-0.01
8) Acenaphthene-d10	15.23	164	22235	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.94	188	42105m	0.40	ng/ul	0.00
18) Chrysene-d12	22.03	240	26386m	0.40	ng/ul	0.00
22) Perylene-d12	24.60	264	22585m	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.71	96	37827	3.51	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.03	152	16305	0.23	ng/ul	-0.01
16) Fluoranthene-d10	19.93	212	23097	0.21	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	11.54	128	2713	0.02	ng/ul#	80
7) 2-Methylnaphthalene	13.10	142	1044m	0.01	ng/ul	
9) Acenaphthylene	14.96	152	2149	0.02	ng/ul#	63
13) Pentachlorophenol	17.61	266	828	0.33	ng/ul	92
14) Phenanthrene	17.98	178	14740m	0.11	ng/ul	
17) Fluoranthene	19.95	202	33308	0.21	ng/ul	87
19) Pyrene	20.30	202	32693m	0.34	ng/ul	

U.M 10/27/15

U.M 10/27/15

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