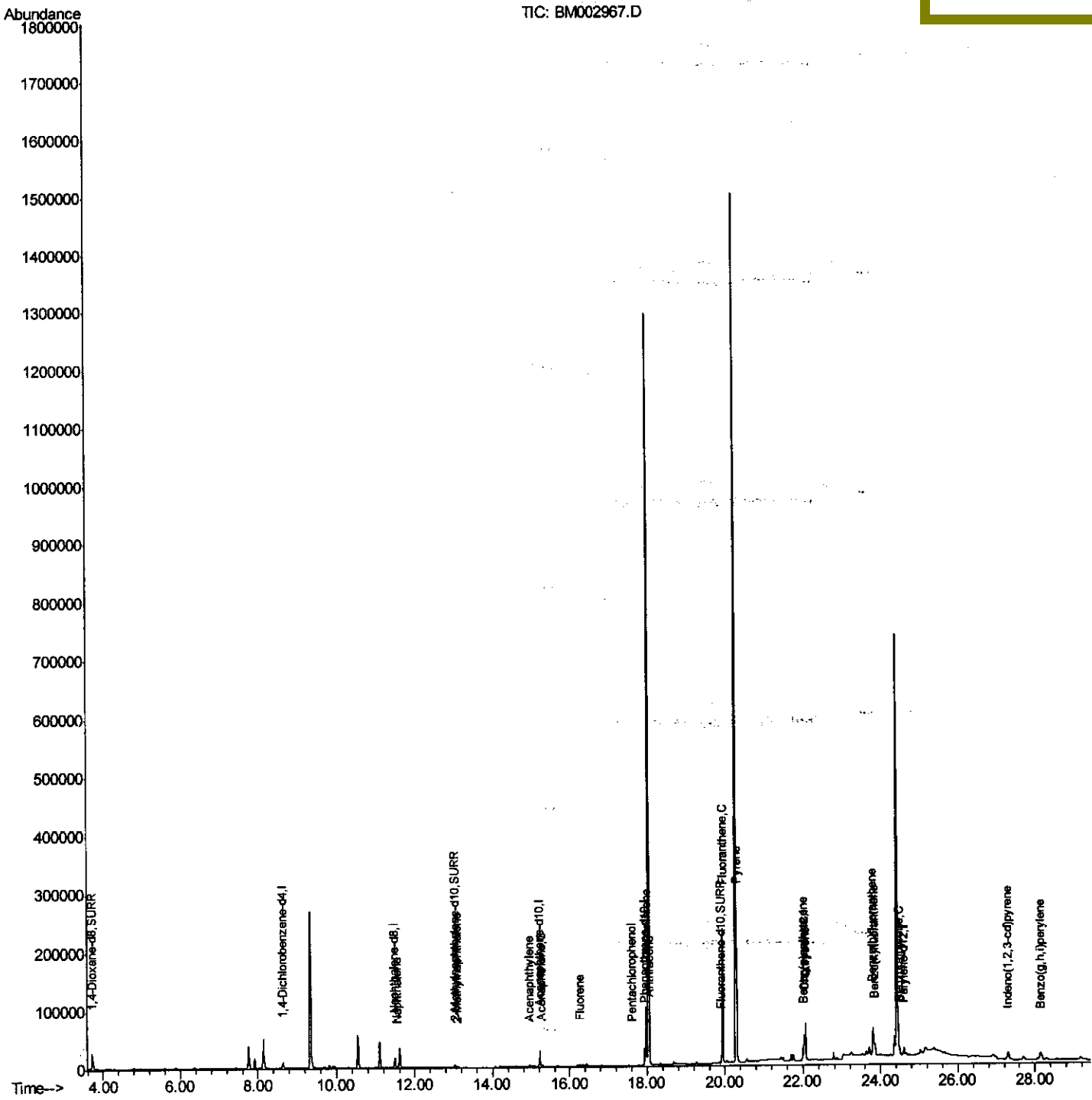
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
Data File : BM002967.D
Acq On : 22 Oct 2015 03:02
Operator : UM/IZ
Sample : G4075-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 22 13:38:43 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 : Wed Oct 21 16:23:48 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JG9K6

Manual Integrations APPROVED
MMdadoda
10/22/2015 4:57:03 PM



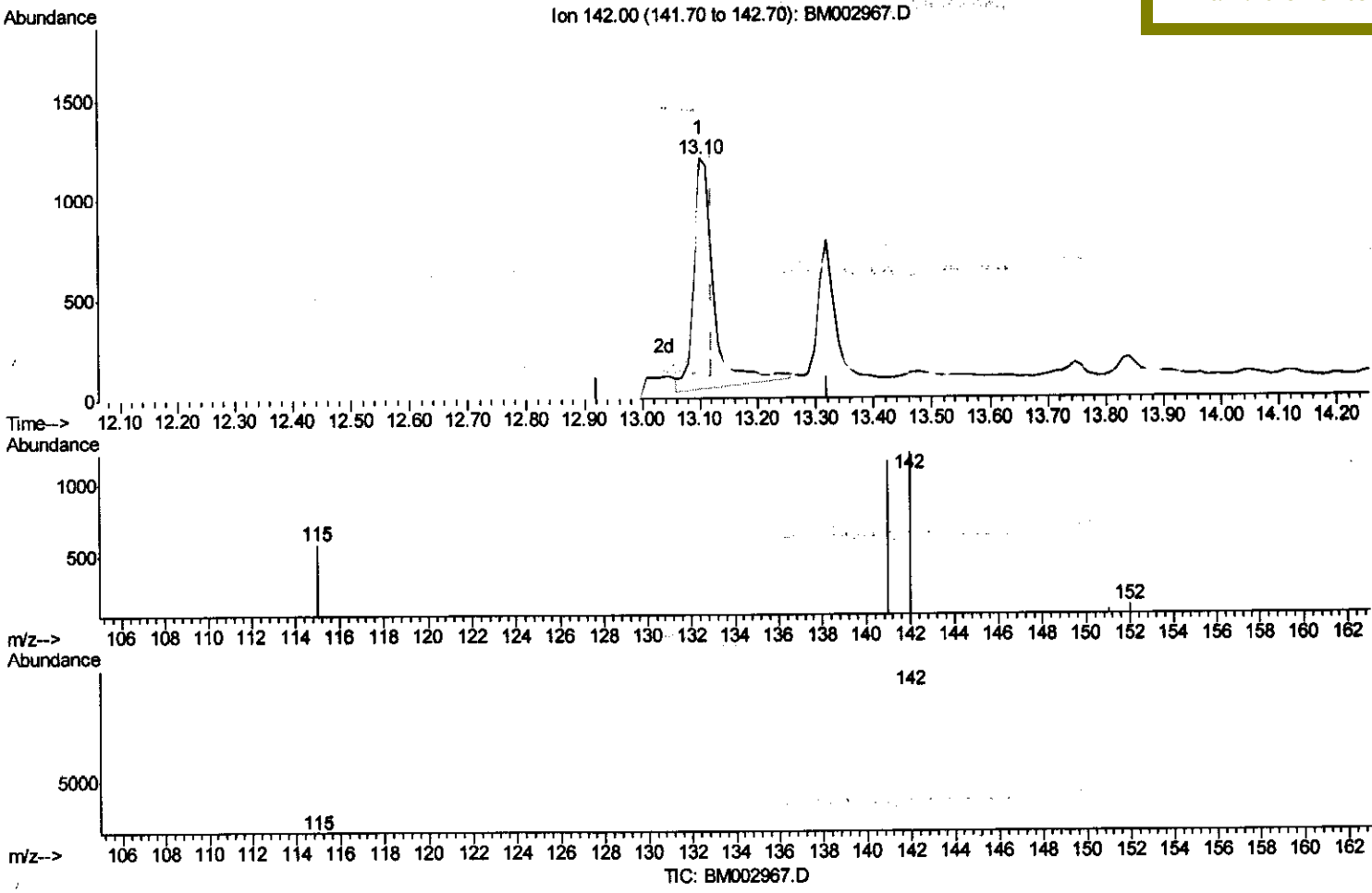
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
Data File : BM002967.D
Acq On : 22 Oct 2015 03:02
Operator : UM/IZ
Sample : G4075-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 22 12:05:50 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 : Wed Oct 21 16:23:48 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JG9K6

Manual Integrations APPROVED
MMdadoda
10/22/2015 4:57:03 PM



(7) 2-Methylnaphthalene

13.100min (-0.021) 0.05ng/ul

response 2758

Ion	Exp%	Act%
142.00	100	100
141.00	87.90	86.98
0.00	0.00	0.00
0.00	0.00	0.00

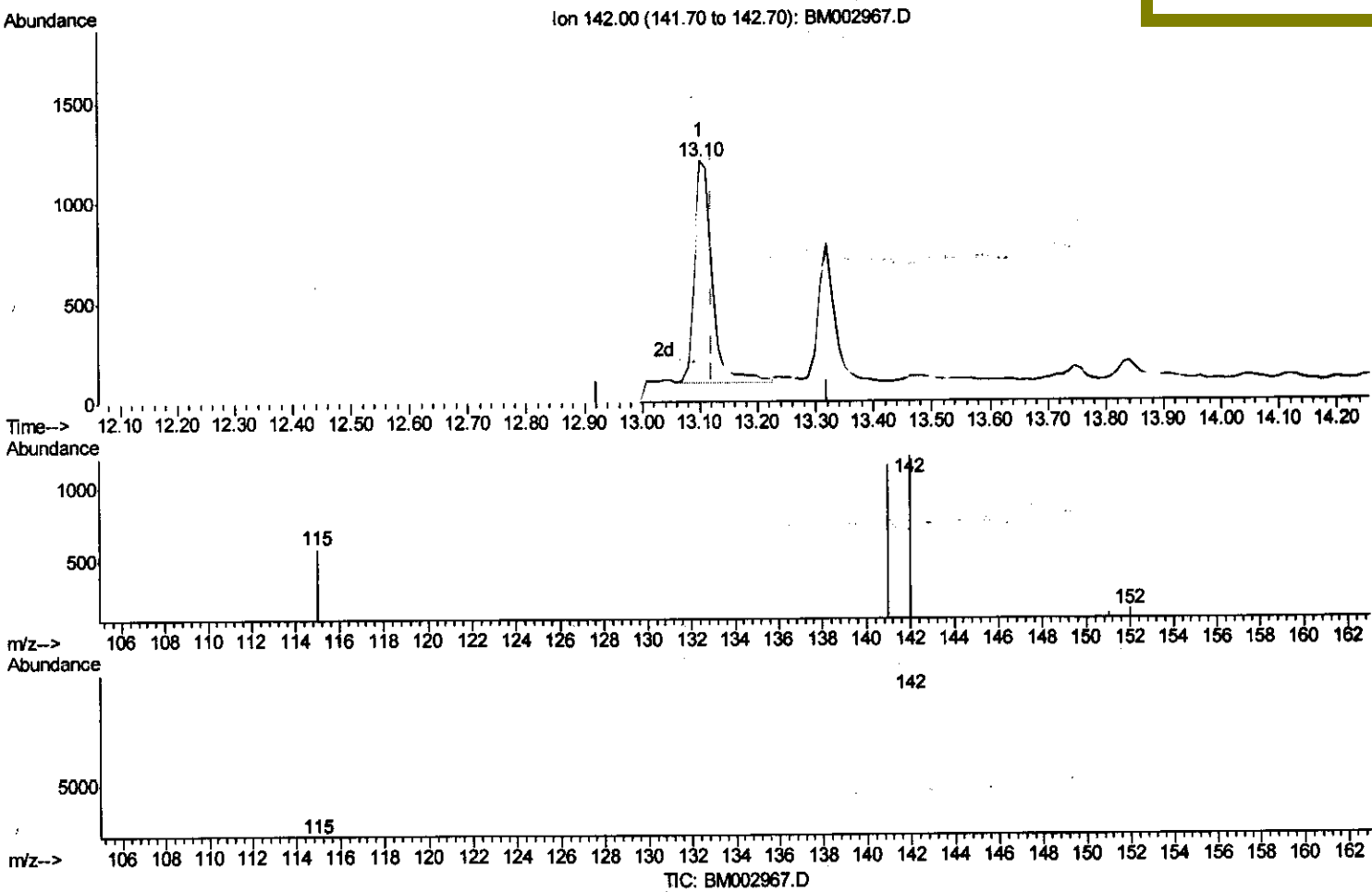
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
Data File : BM002967.D
Acq On : 22 Oct 2015 03:02
Operator : UM/IZ
Sample : G4075-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 22 12:05:50 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 : Wed Oct 21 16:23:48 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JG9K6

Manual Integrations APPROVED
MMdadoda
10/22/2015 4:57:03 PM



(7) 2-Methylnaphthalene

13.100min (-0.021) 0.04ng/ul m

response 2351

U.M. 10/23/15

Ion	Exp%	Act%
142.00	100	100
141.00	87.90	102.04
0.00	0.00	0.00
0.00	0.00	0.00

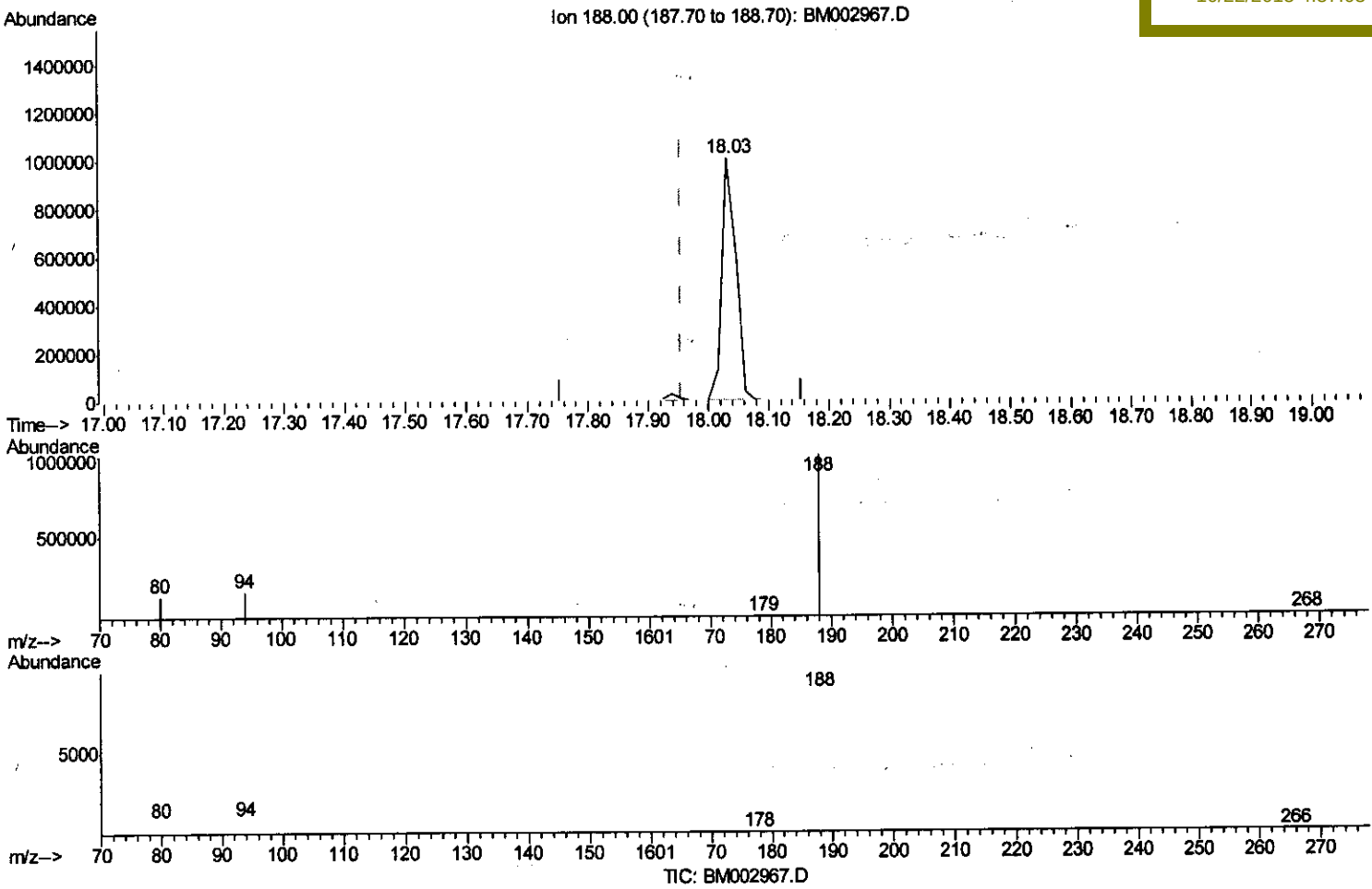
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
Data File : BM002967.D
Acq On : 22 Oct 2015 03:02
Operator : UM/IZ
Sample : G4075-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 22 12:05:50 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 : Wed Oct 21 16:23:48 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JG9K6

Manual Integrations APPROVED
MMdadoda
10/22/2015 4:57:03 PM



(12) Phenanthrene-d10 (I)

18.031min (+0.077) 0.40ng/ul

response 1626001

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	15.77#
80.00	8.90	13.12#
0.00	0.00	0.00

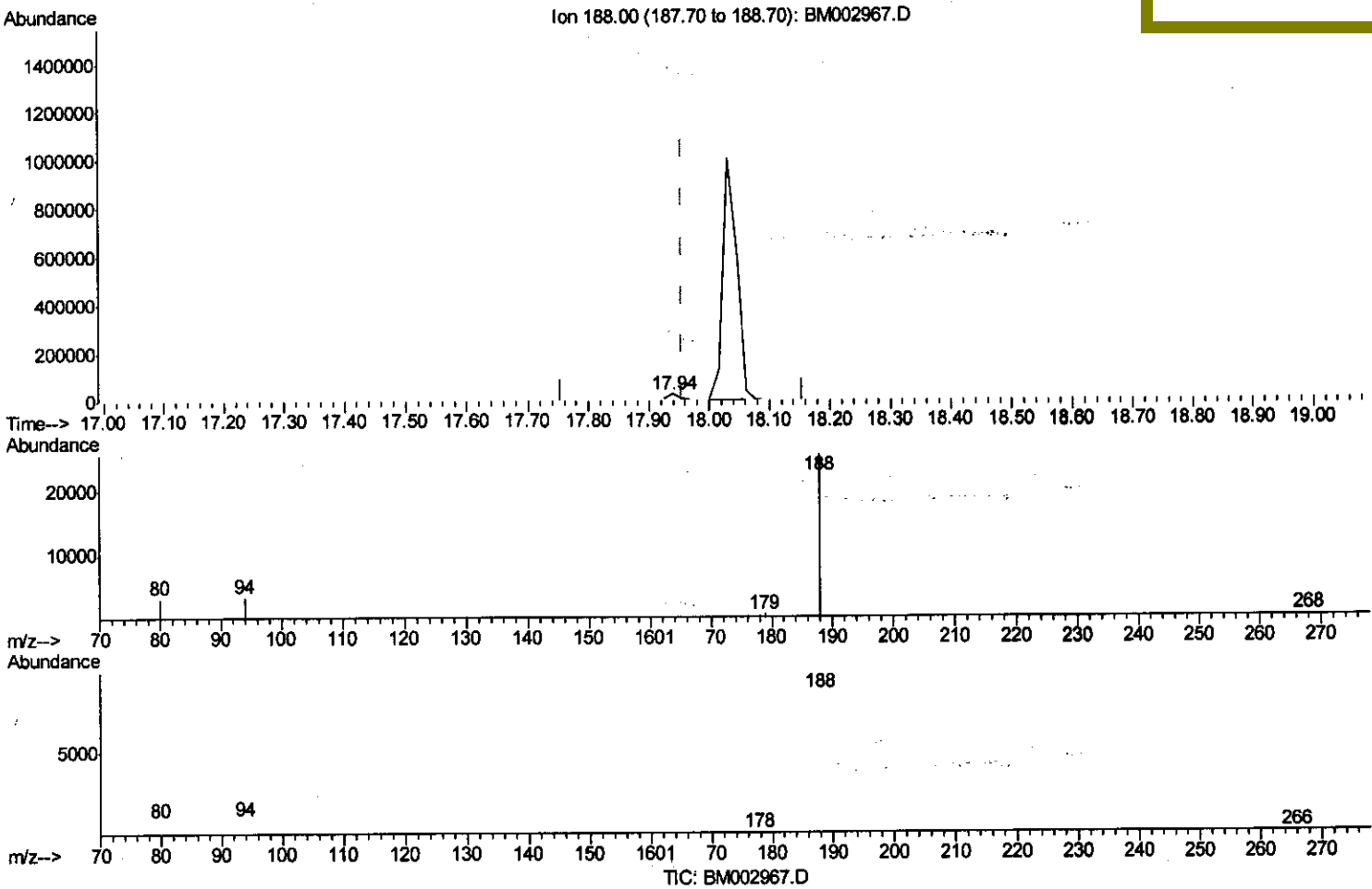
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
Data File : BM002967.D
Acq On : 22 Oct 2015 03:02
Operator : UM/IZ
Sample : G4075-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 22 12:05:50 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 : Wed Oct 21 16:23:48 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JG9K6

Manual Integrations APPROVED
MMdadoda
10/22/2015 4:57:03 PM



(12) Phenanthrene-d10 (I)

17.938min (-0.016) 0.40ng/ul m

response 37964

U.M. 10/23/15

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	12.90#
80.00	8.90	12.19#
0.00	0.00	0.00

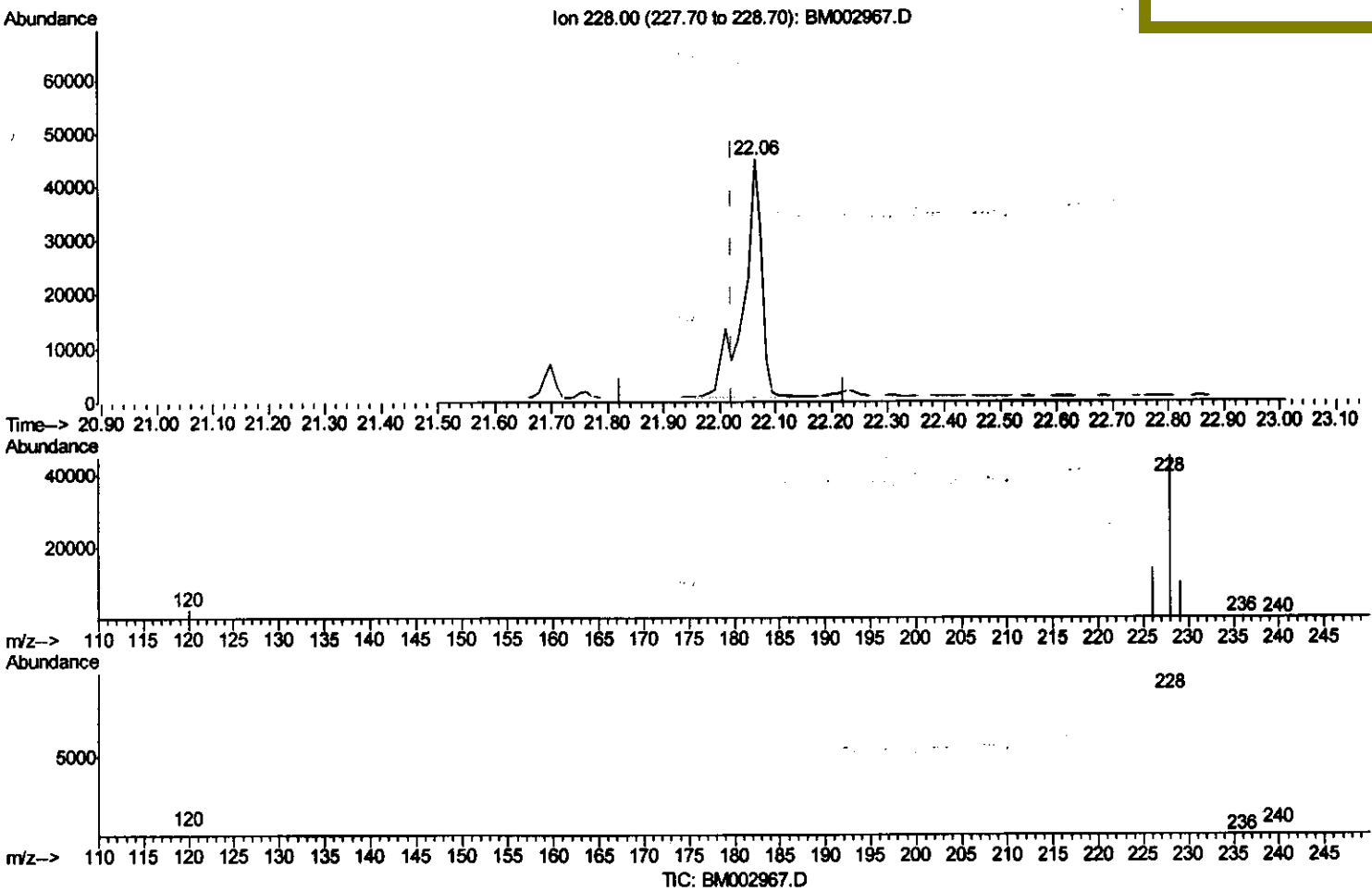
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
Data File : BM002967.D
Acq On : 22 Oct 2015 03:02
Operator : UM/IZ
Sample : G4075-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 22 13:36:05 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 : Wed Oct 21 16:23:48 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JG9K6

Manual Integrations APPROVED
MMdadoda
10/22/2015 4:57:03 PM



(20) Benzo(a)anthracene

22.063min (+0.042) 1.07ng/ul

response 101214

Ion	Exp%	Act%
228.00	100	100
226.00	28.70	31.62
229.00	19.00	23.24#
0.00	0.00	0.00

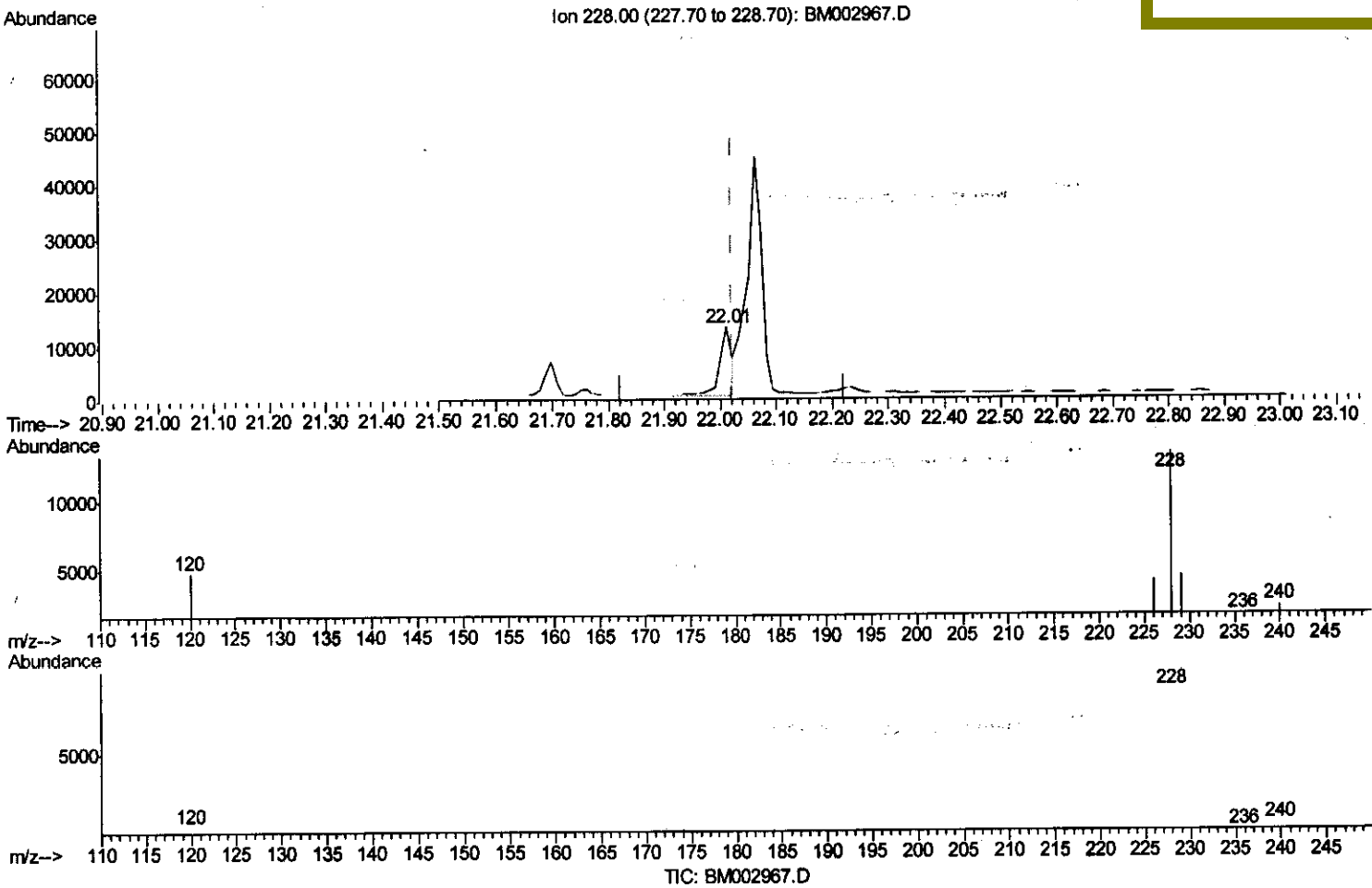
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
Data File : BM002967.D
Acq On : 22 Oct 2015 03:02
Operator : UM/IZ
Sample : G4075-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 22 13:36:05 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 : Wed Oct 21 16:23:48 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JG9K6

Manual Integrations APPROVED
MMdadoda
10/22/2015 4:57:03 PM



(20) Benzo(a)anthracene

22.011min (-0.011) 0.20ng/ul m

response 19389

U.M. 10/23/15

Ion	Exp%	Act%
228.00	100	100
226.00	28.70	30.37
229.00	19.00	32.94#
0.00	0.00	0.00

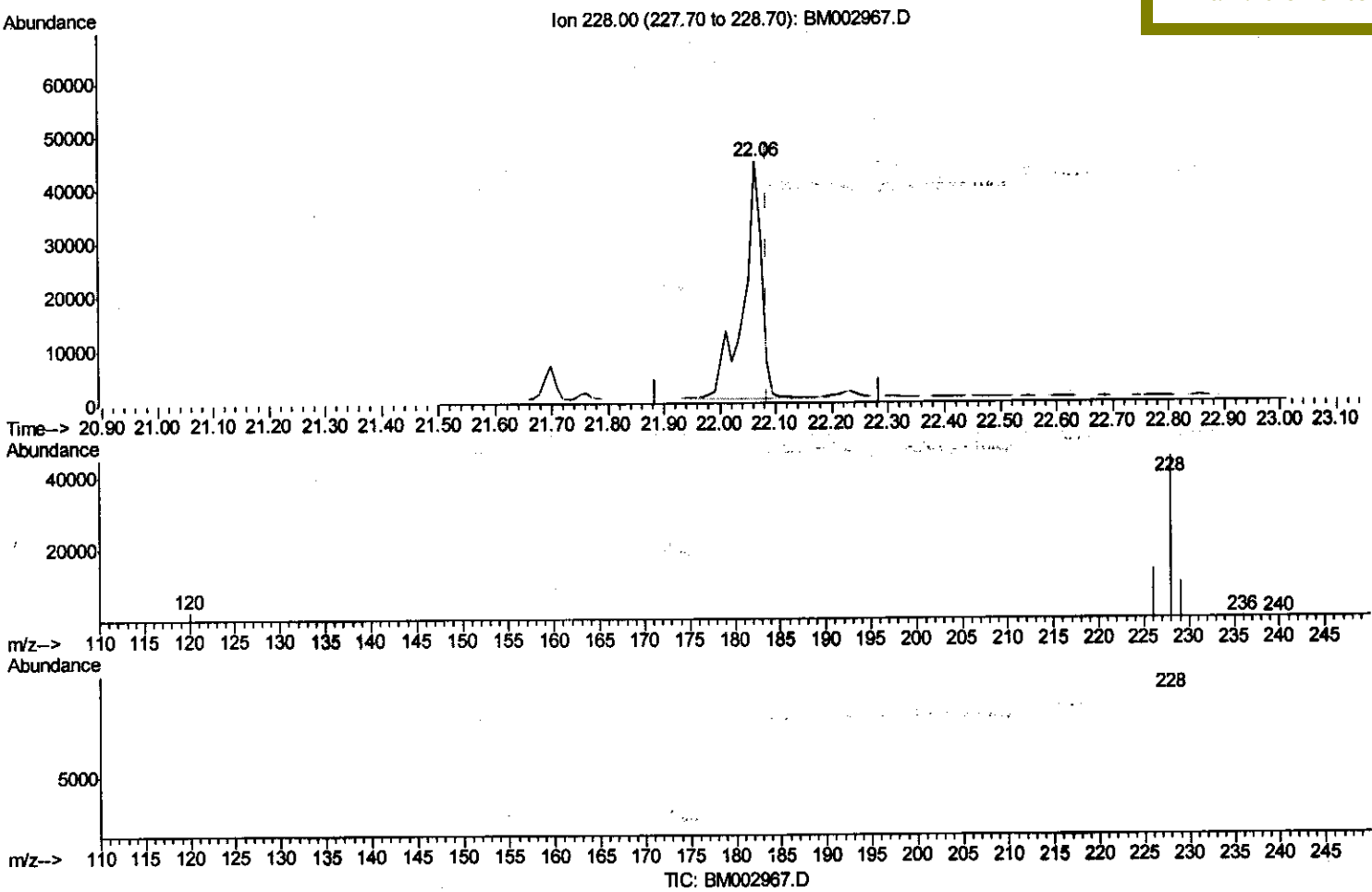
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
Data File : BM002967.D
Acq On : 22 Oct 2015 03:02
Operator : UM/IZ
Sample : G4075-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 22 13:36:05 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 : Wed Oct 21 16:23:48 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JG9K6

Manual Integrations APPROVED
MMdadoda
10/22/2015 4:57:03 PM



(21) Chrysene

22.063min (-0.021) 1.05ng/ul

response 101214

Ion	Exp%	Act%
228.00	100	100
226.00	32.10	31.62
229.00	19.00	23.24#
0.00	0.00	0.00

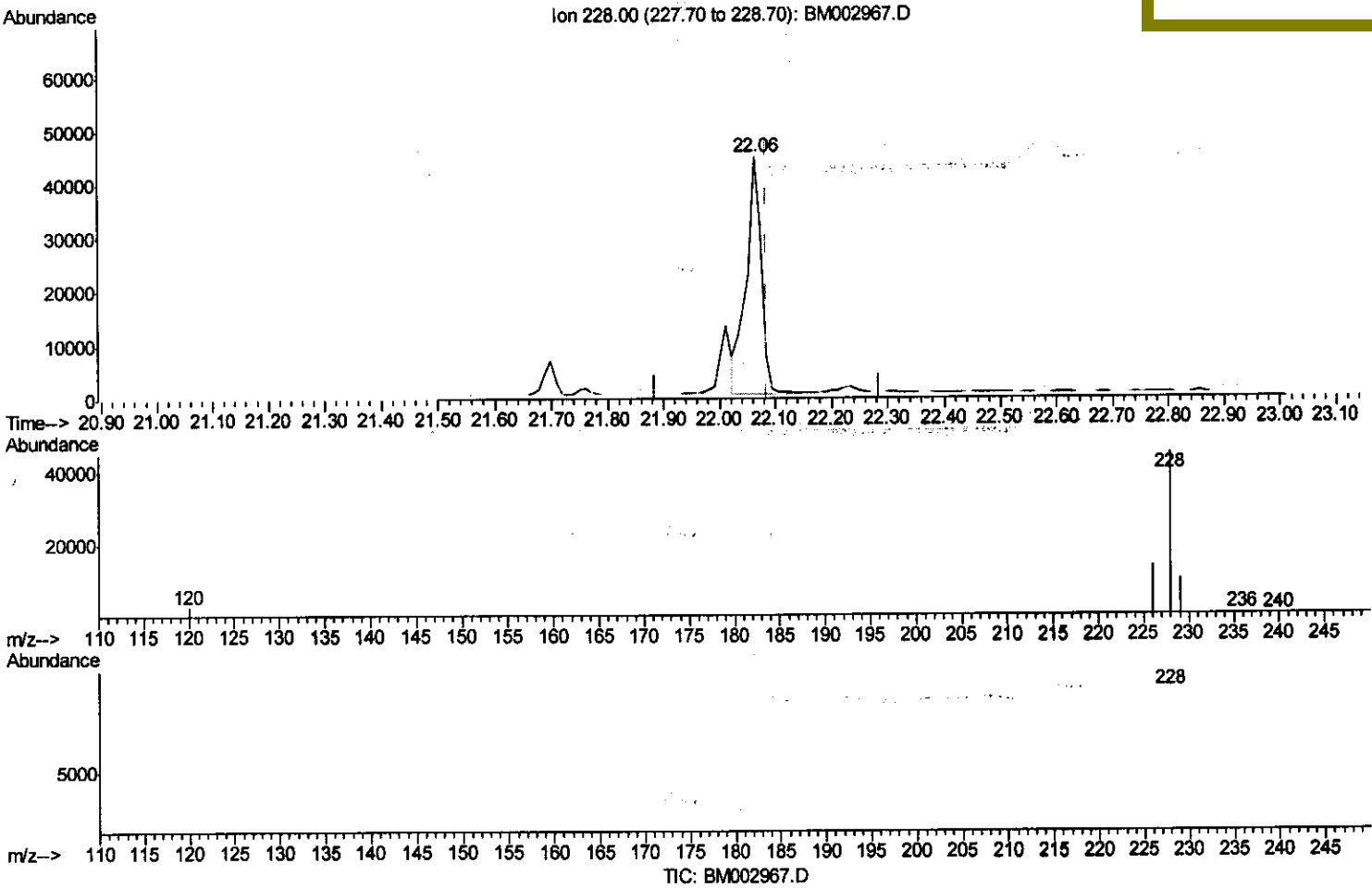
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
Data File : BM002967.D
Acq On : 22 Oct 2015 03:02
Operator : UM/IZ
Sample : G4075-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 22 13:36:05 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 : Wed Oct 21 16:23:48 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JG9K6

Manual Integrations APPROVED
MMdadoda
10/22/2015 4:57:03 PM



(21) Chrysene

22.063min (-0.021) 0.86ng/ul m

U.M. 10/23/15

response 82830

Ion	Exp%	Act%
228.00	100	100
226.00	32.10	31.62
229.00	19.00	23.24#
0.00	0.00	0.00

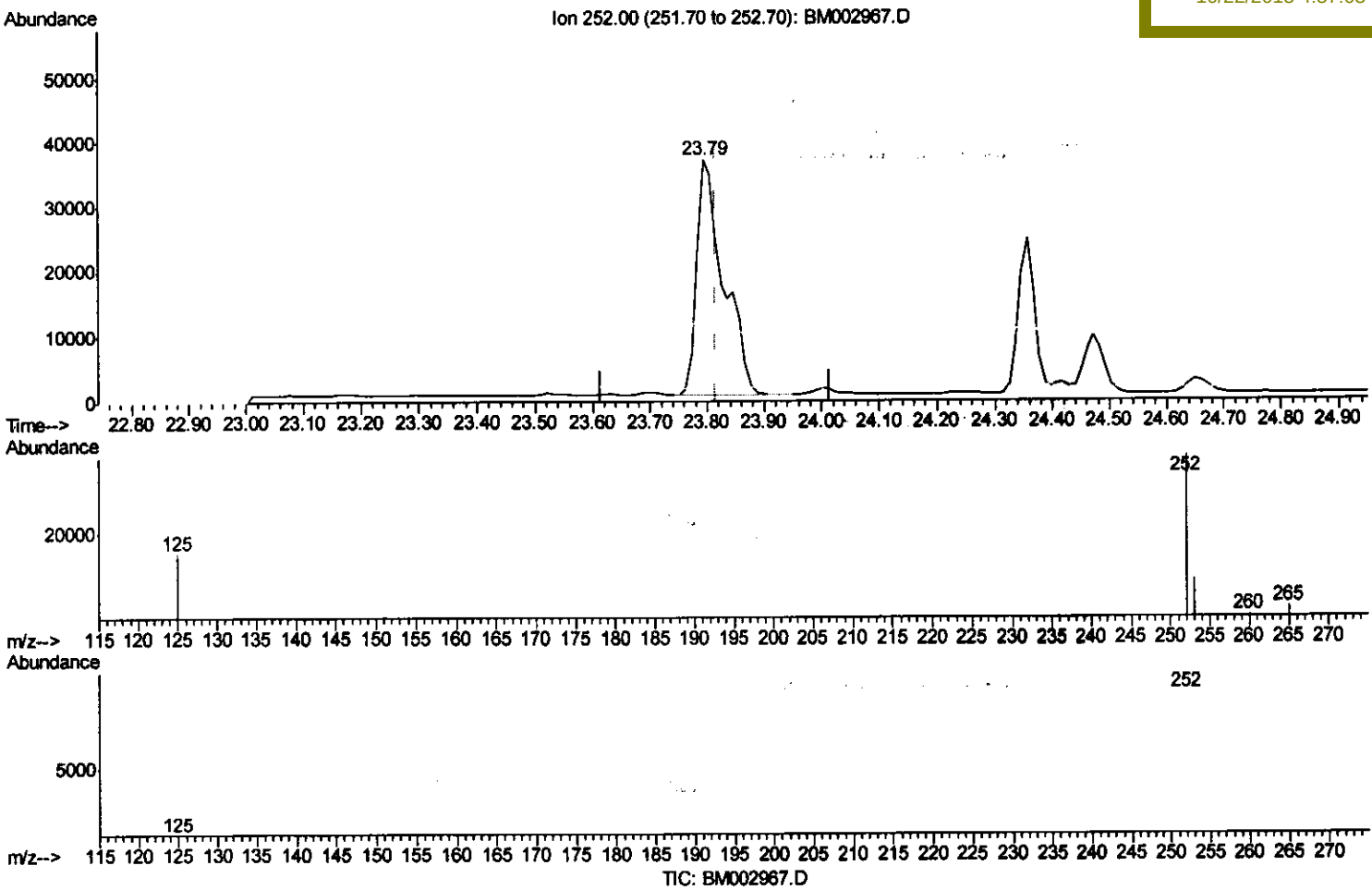
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
Data File : BM002967.D
Acq On : 22 Oct 2015 03:02
Operator : UM/IZ
Sample : G4075-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 22 13:36:05 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 : Wed Oct 21 16:23:48 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JG9K6

Manual Integrations APPROVED
MMdadoda
10/22/2015 4:57:03 PM



(23) Benzo(b)fluoranthene

23.793min (-0.021) 1.38ng/ul

response 118519

Ion	Exp%	Act%
252.00	100	100
253.00	24.00	25.01
125.00	18.30	41.57#
0.00	0.00	0.00

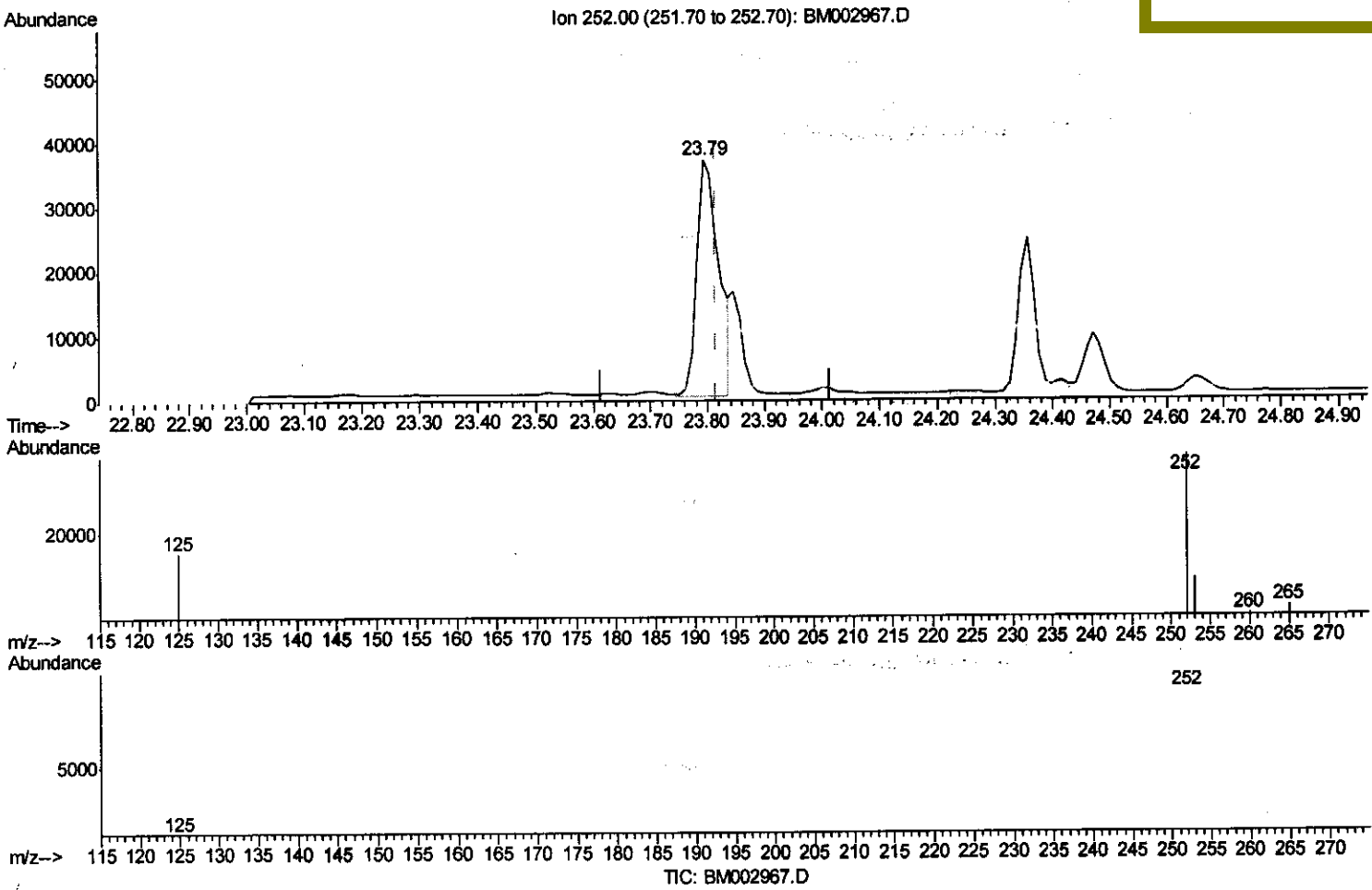
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
Data File : BM002967.D
Acq On : 22 Oct 2015 03:02
Operator : UM/IZ
Sample : G4075-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 22 13:36:05 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 : Wed Oct 21 16:23:48 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JG9K6

Manual Integrations APPROVED
MMdadoda
10/22/2015 4:57:03 PM



(23) Benzo(b)fluoranthene

23.793min (-0.021) 1.15ng/ul m

response 98519

U.M. 10/23/15

Ion	Exp%	Act%
252.00	100	100
253.00	24.00	25.01
125.00	18.30	41.57#
0.00	0.00	0.00

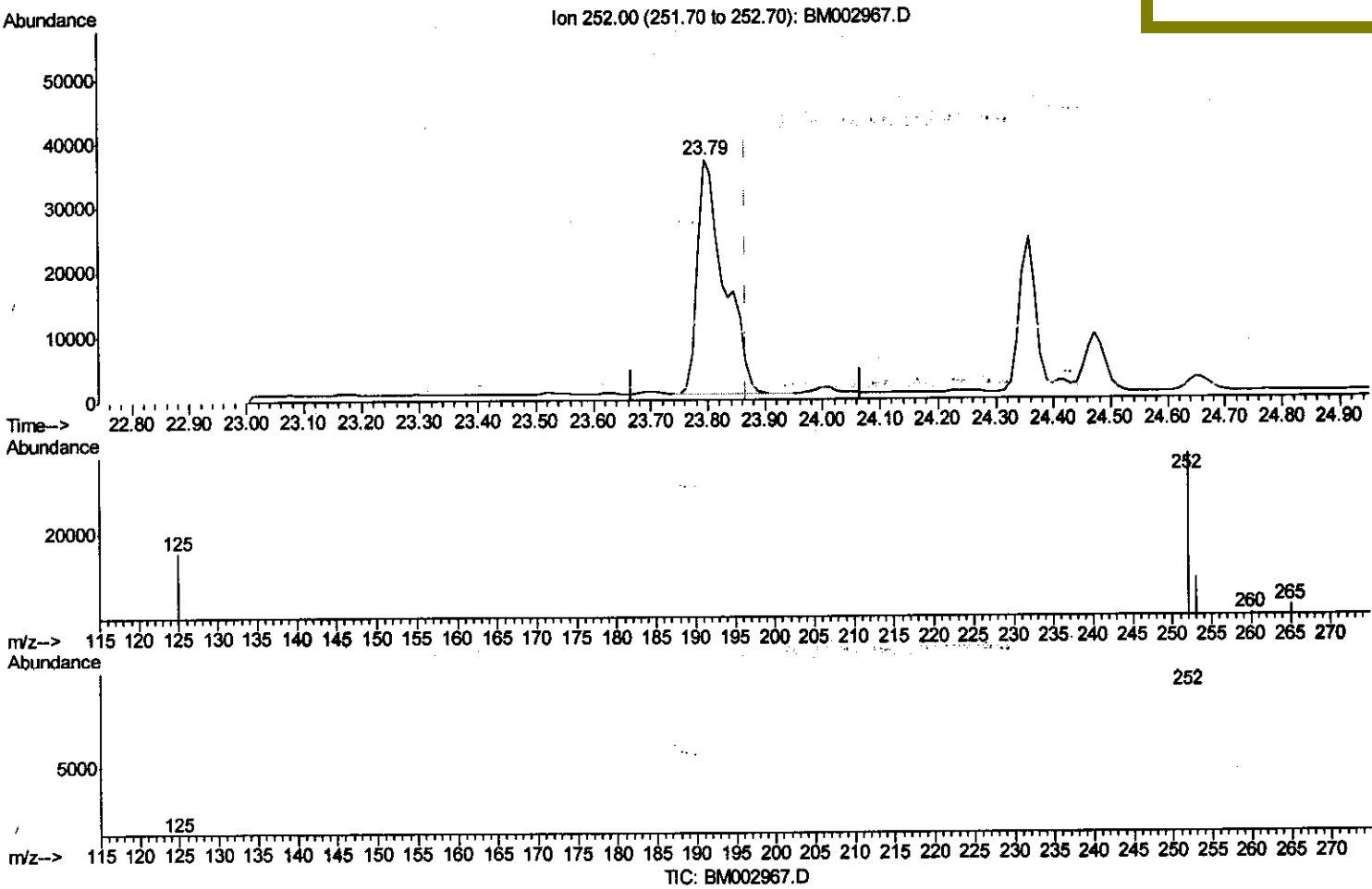
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
Data File : BM002967.D
Acq On : 22 Oct 2015 03:02
Operator : UM/IZ
Sample : G4075-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 22 13:36:05 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 : Wed Oct 21 16:23:48 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JG9K6

Manual Integrations APPROVED
MMdadoda
10/22/2015 4:57:03 PM



TIC: BM002967.D

(24) Benzo(k)fluoranthene

23.793min (-0.073) 1.42ng/ul

response 118519

Ion	Exp%	Act%
252.00	100	100
253.00	26.00	25.01
125.00	15.30	41.57#
0.00	0.00	0.00

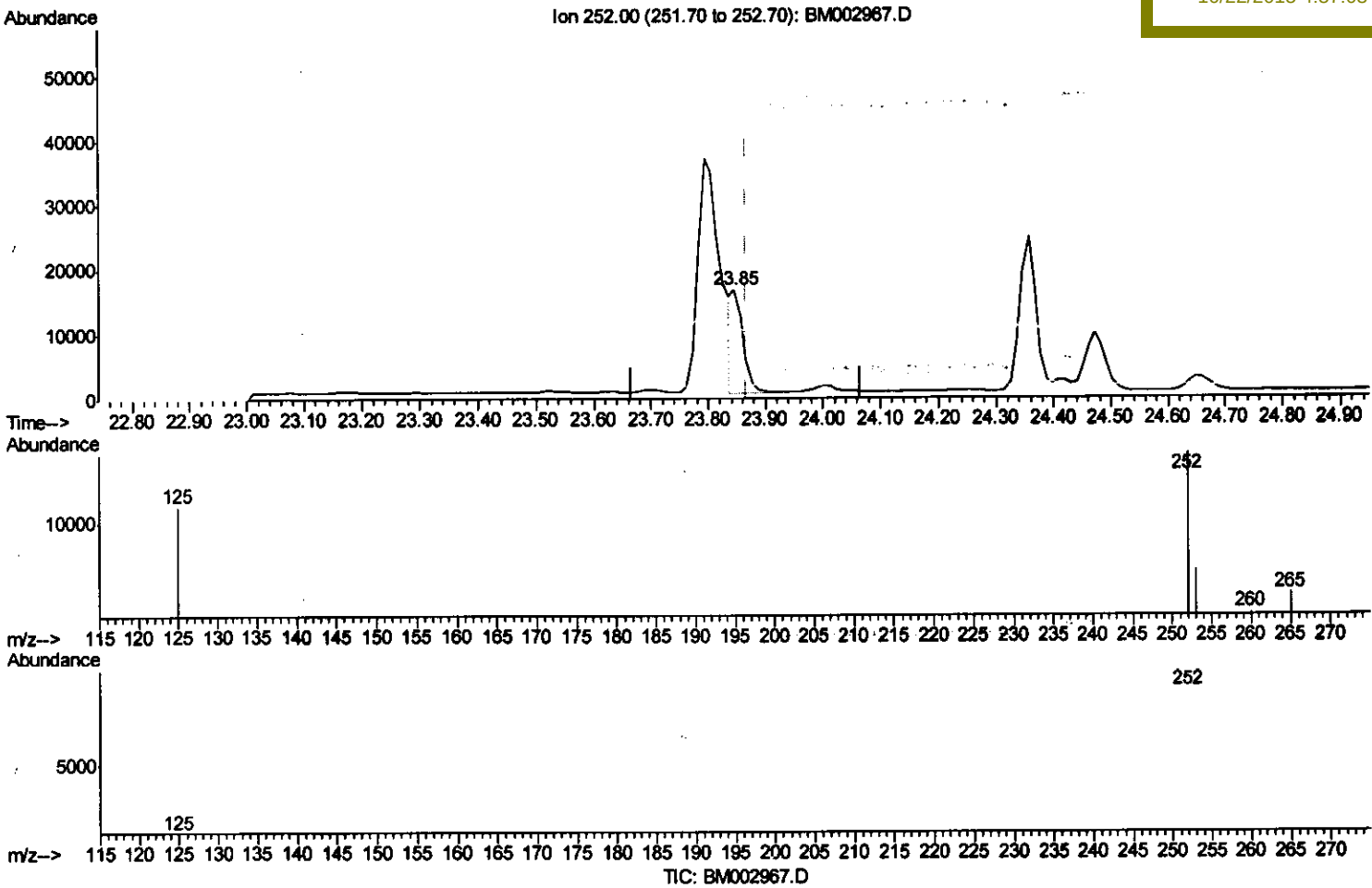
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
Data File : BM002967.D
Acq On : 22 Oct 2015 03:02
Operator : UM/IZ
Sample : G4075-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 22 13:36:05 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 : Wed Oct 21 16:23:48 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JG9K6

Manual Integrations APPROVED
MMdadoda
10/22/2015 4:57:03 PM



(24) Benzo(k)fluoranthene

23.846min (-0.021) 0.27ng/ul m

response 22562

U.M. 10/23/15

Ion	Exp%	Act%
252.00	100	100
253.00	26.00	31.21#
125.00	15.30	69.44#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
Data File : BM002967.D
Acq On : 22 Oct 2015 03:02
Operator : UM/IZ
Sample : G4075-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 22 13:38:43 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 : Wed Oct 21 16:23:48 2015
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : JG9K6

Manual Integrations APPROVED
MMdadoda
10/22/2015 4:57:03 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.64	152	7359	0.40	ng/ul	-0.02
4) Naphthalene-d8	11.48	136	31715	0.40	ng/ul	-0.02
8) Acenaphthene-d10	15.23	164	17250	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.94	188	37964m	0.40	ng/ul	-0.02
18) Chrysene-d12	22.03	240	28555	0.40	ng/ul	-0.01
22) Perylene-d12	24.60	264	24263	0.40	ng/ul	-0.02
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.71	96	22002	2.80	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.04	152	9847	0.19	ng/ul	-0.01
16) Fluoranthene-d10	19.91	212	19879	0.20	ng/ul	-0.01
Target Compounds						Qvalue
5) Naphthalene	11.54	128	2953	0.04	ng/ul#	87
7) 2-Methylnaphthalene	13.10	142	2351m	0.04	ng/ul	
9) Acenaphthylene	14.96	152	5237	0.05	ng/ul#	94
10) Acenaphthene	15.28	153	2436	0.04	ng/ul#	93
11) Fluorene	16.25	166	2852	0.04	ng/ul#	95
13) Pentachlorophenol	17.61	266	382	0.17	ng/ul	91
14) Phenanthrene	17.98	178	135066	1.13	ng/ul	94
15) Anthracene	18.06	178	7756	0.07	ng/ul#	72
17) Fluoranthene	19.95	202	255768	1.80	ng/ul	91
19) Pyrene	20.30	202	194545	1.88	ng/ul	96
20) Benzo(a)anthracene	22.01	228	19389m	0.20	ng/ul	
21) Chrysene	22.06	228	82830m	0.86	ng/ul	
23) Benzo(b)fluoranthene	23.79	252	98519m	1.15	ng/ul	
24) Benzo(k)fluoranthene	23.85	252	22562m	0.27	ng/ul	
25) Benzo(a)pyrene	24.47	252	21385	0.26	ng/ul#	15
26) Indeno(1,2,3-cd)pyrene	27.30	276	26756	0.30	ng/ul#	93
28) Benzo(g,h,i)perylene	28.15	276	30098	0.41	ng/ul#	76

U.M. 10/23/15

U.M. 10/23/15

U.M. 10/23/15

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