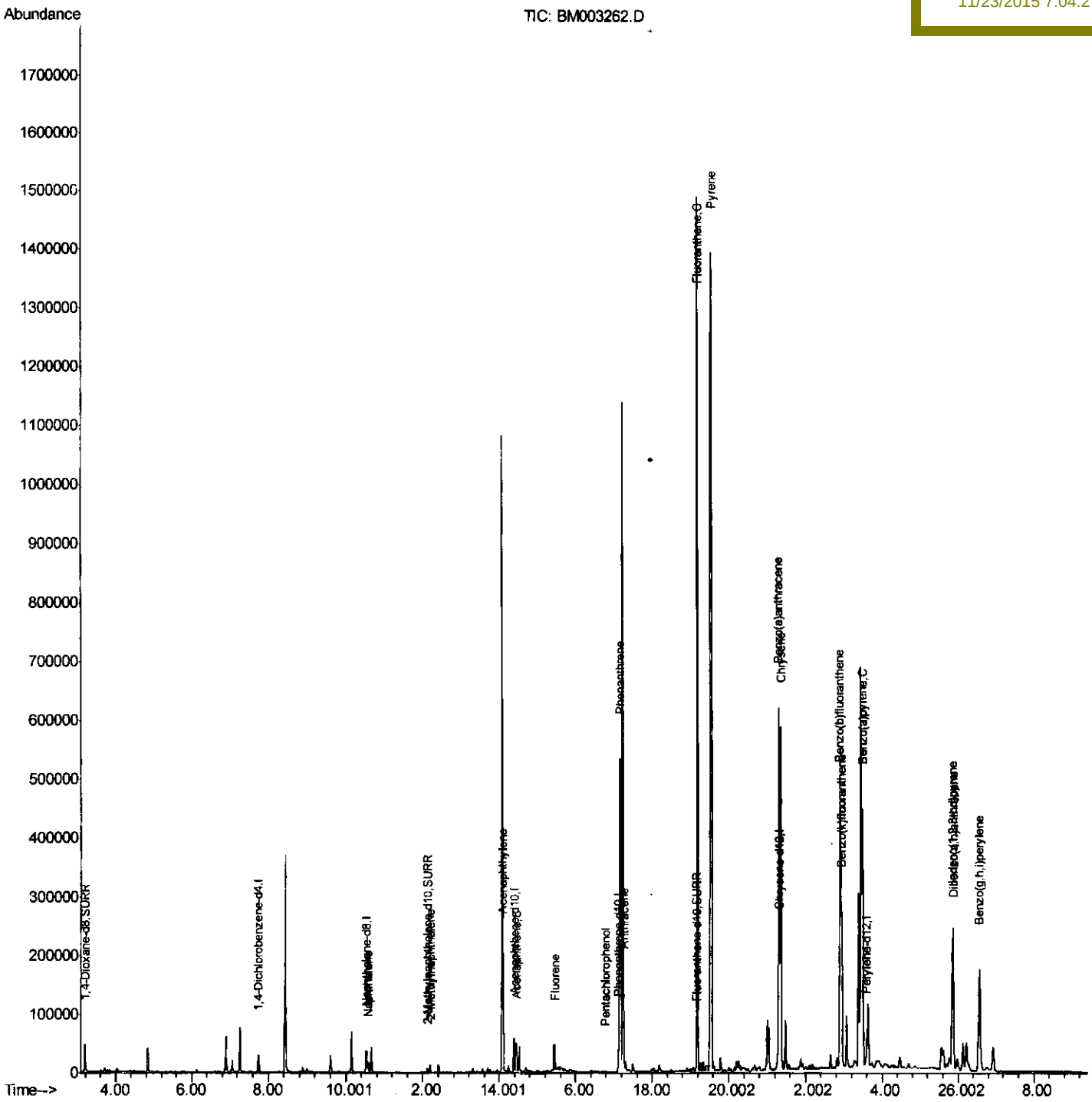
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112115\
Data File : BM003262.D
Acq On : 21 Nov 2015 23:29
Operator : UM/IZ
Sample : G4345-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 22 05:11:02 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 04:42:03 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4J48

Manual Integrations APPROVED
Mmdadoda
11/23/2015 7:04:27 PM



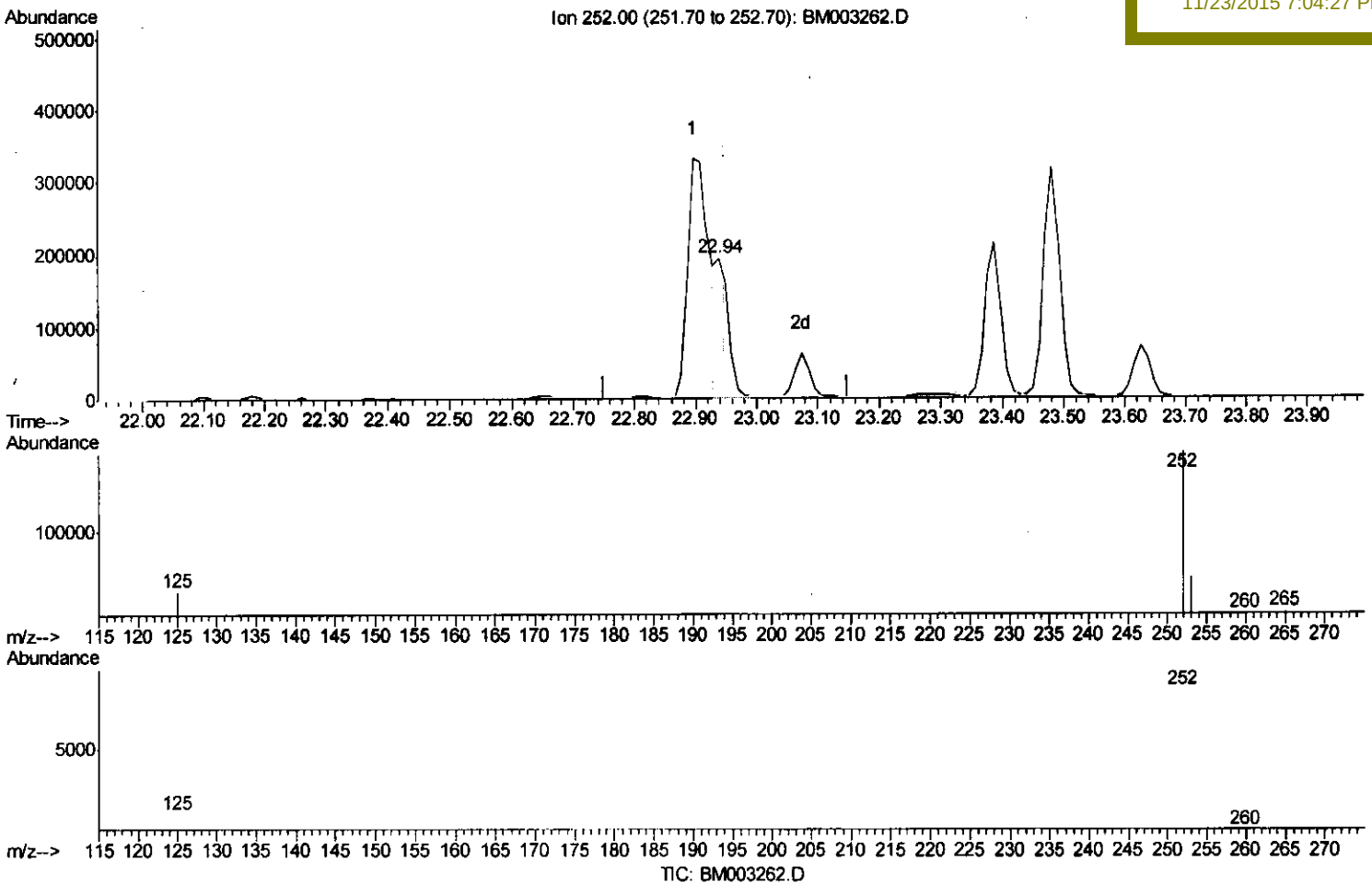
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112115\
Data File : BM003262.D
Acq On : 21 Nov 2015 23:29
Operator : UM/IZ
Sample : G4345-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 22 05:08:43 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 04:42:03 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4J48

Manual Integrations APPROVED
Mmdadoda
11/23/2015 7:04:27 PM



(24) Benzo(k)fluoranthene

22.938min (-0.011) 1.21ng/ul m

response 274947

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	23.01
125.00	13.00	14.86
0.00	0.00	0.00

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11/25/15

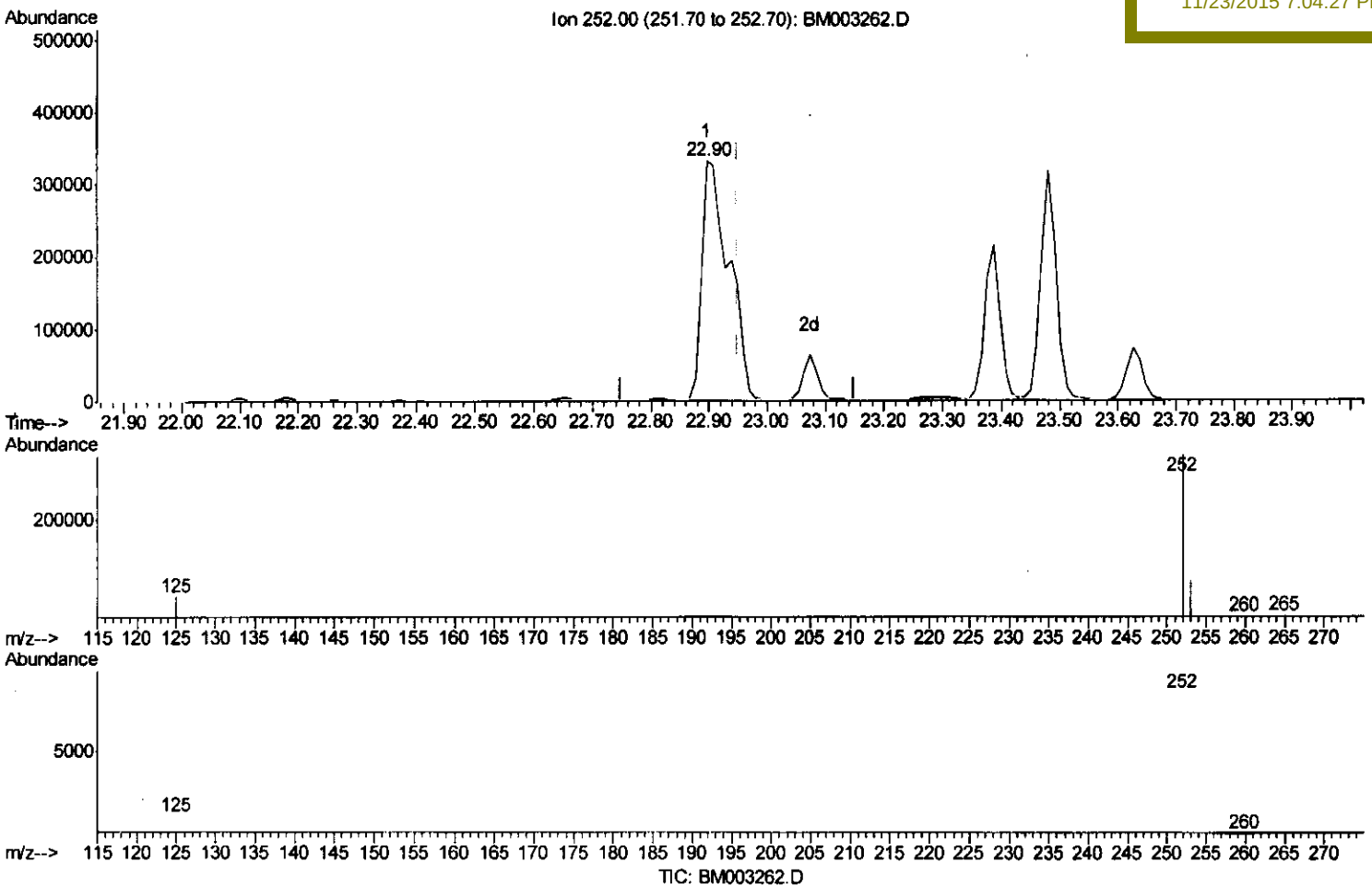
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112115\
Data File : BM003262.D
Acq On : 21 Nov 2015 23:29
Operator : UM/IZ
Sample : G4345-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 22 05:08:43 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 04:42:03 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4J48

Manual Integrations APPROVED
Mmdadoda
11/23/2015 7:04:27 PM



(24) Benzo(k)fluoranthene

22.897min (-0.052) 4.69ng/ul

response 1064151

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	21.68
125.00	13.00	12.87
0.00	0.00	0.00

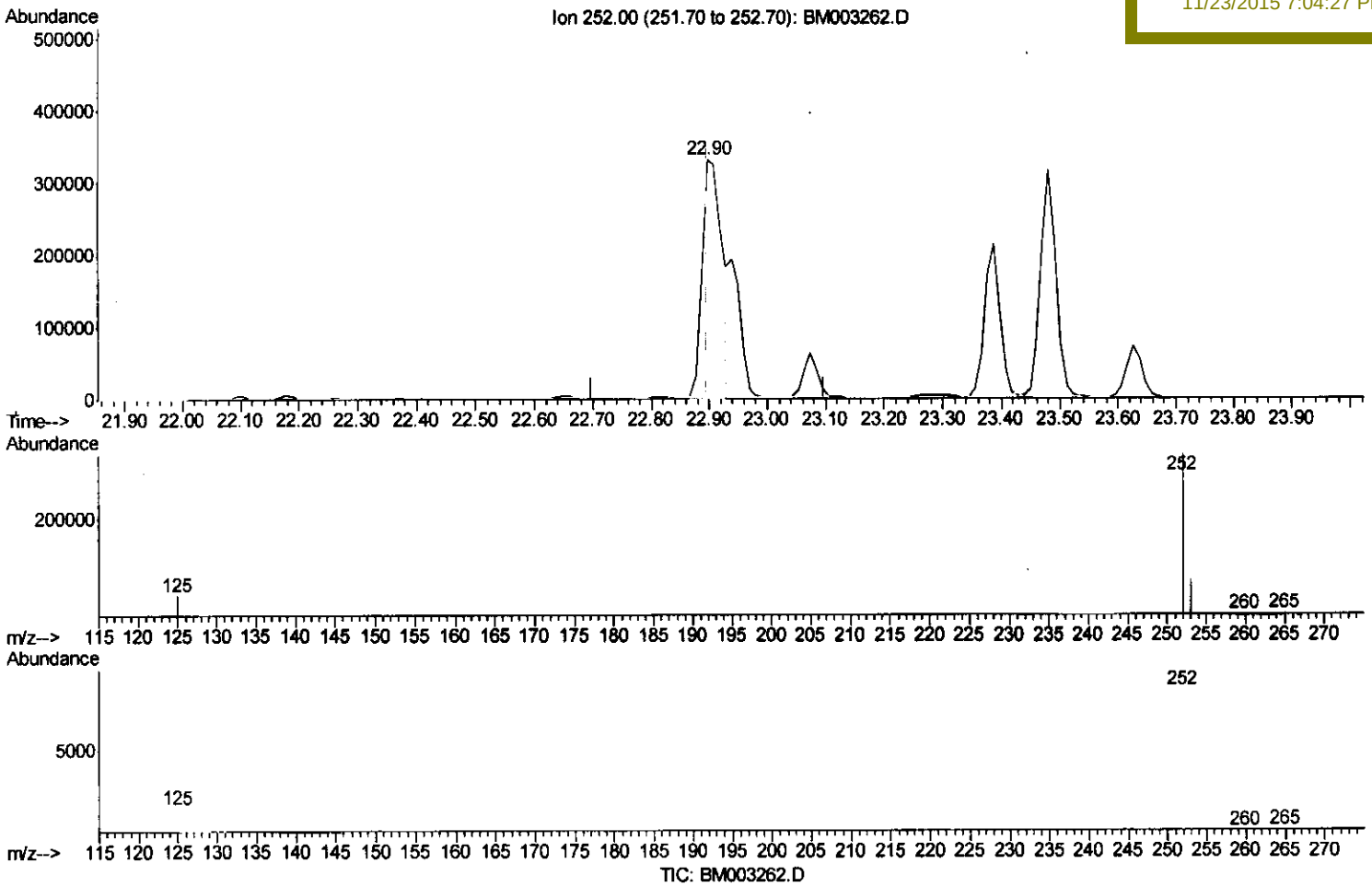
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112115\
Data File : BM003262.D
Acq On : 21 Nov 2015 23:29
Operator : UM/IZ
Sample : G4345-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 22 05:08:43 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 04:42:03 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4J48

Manual Integrations APPROVED
Mmdadoda
11/23/2015 7:04:27 PM



(23) Benzo(b)fluoranthene

22.897min (-0.000) 3.32ng/ul m

response 797047

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	21.68
125.00	14.40	12.87
0.00	0.00	0.00

U.M
11/25/15

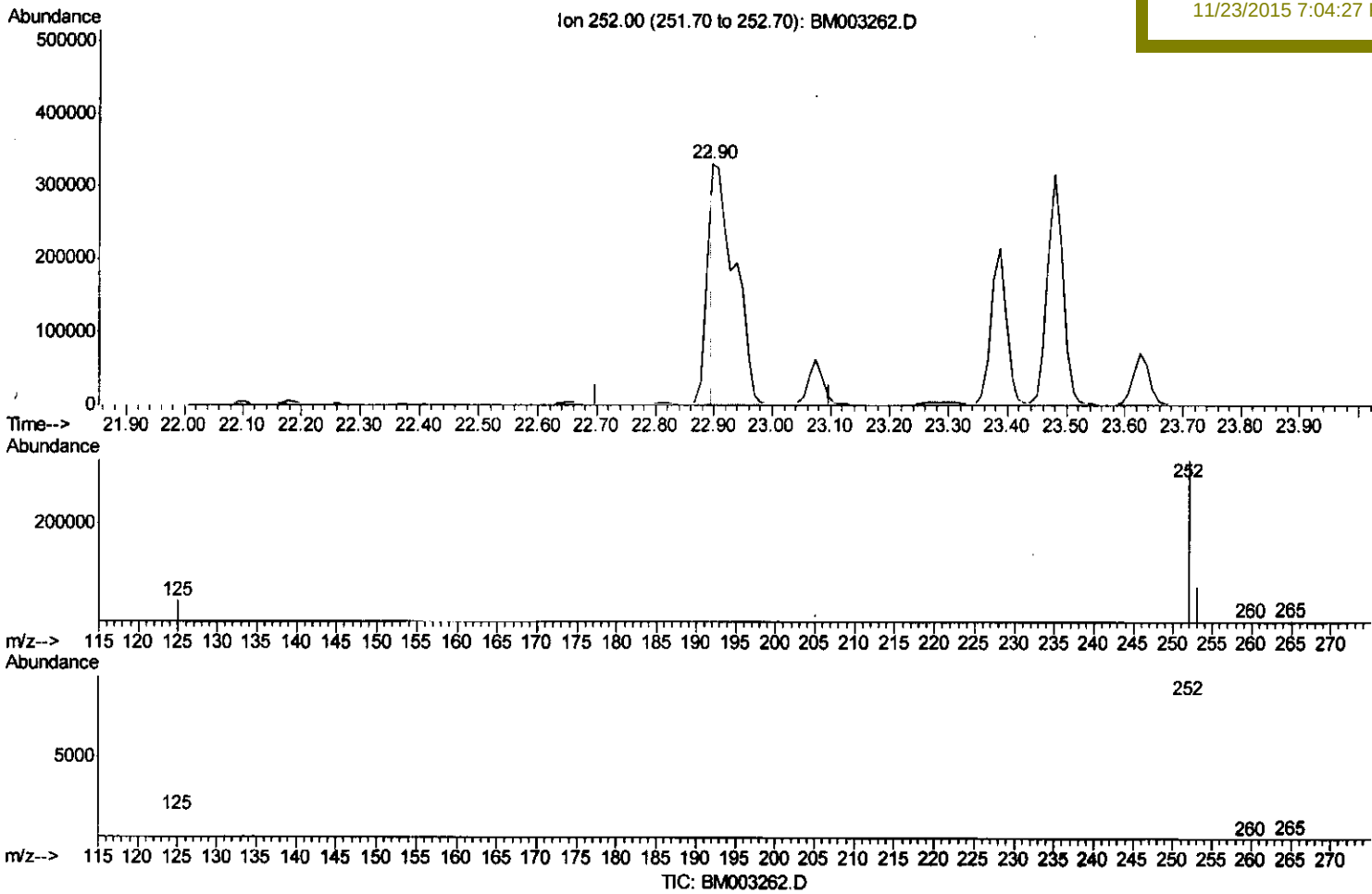
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112115\
Data File : BM003262.D
Acq On : 21 Nov 2015 23:29
Operator : UM/IZ
Sample : G4345-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 22 05:08:43 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 04:42:03 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4J48

Manual Integrations APPROVED
Mmdadoda
11/23/2015 7:04:27 PM



(23) Benzo(b)fluoranthene

22.897min (-0.000) 4.43ng/ul

response 1064151

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	21.68
125.00	14.40	12.87
0.00	0.00	0.00

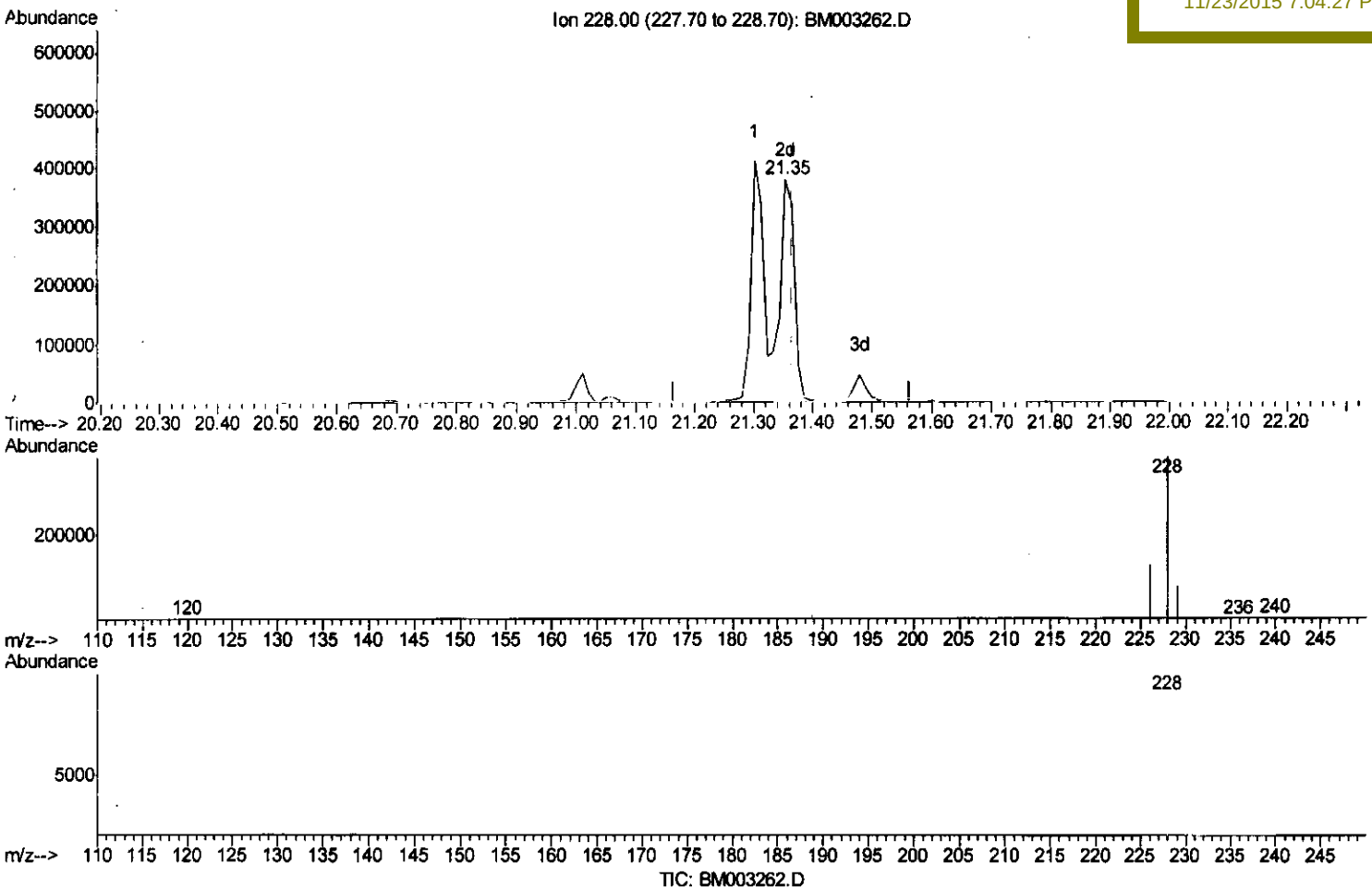
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112115\
Data File : BM003262.D
Acq On : 21 Nov 2015 23:29
Operator : UM/IZ
Sample : G4345-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 22 04:47:07 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 04:42:03 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4J48

Manual Integrations APPROVED
Mmdadoda
11/23/2015 7:04:27 PM



(21) Chrysene

21.354min (-0.011) 2.88ng/ul m

response 595401

Ion	Exp%	Act%
228.00	100	100
226.00	26.50	33.01#
229.00	21.30	19.83
0.00	0.00	0.00

U.M
11/25/15

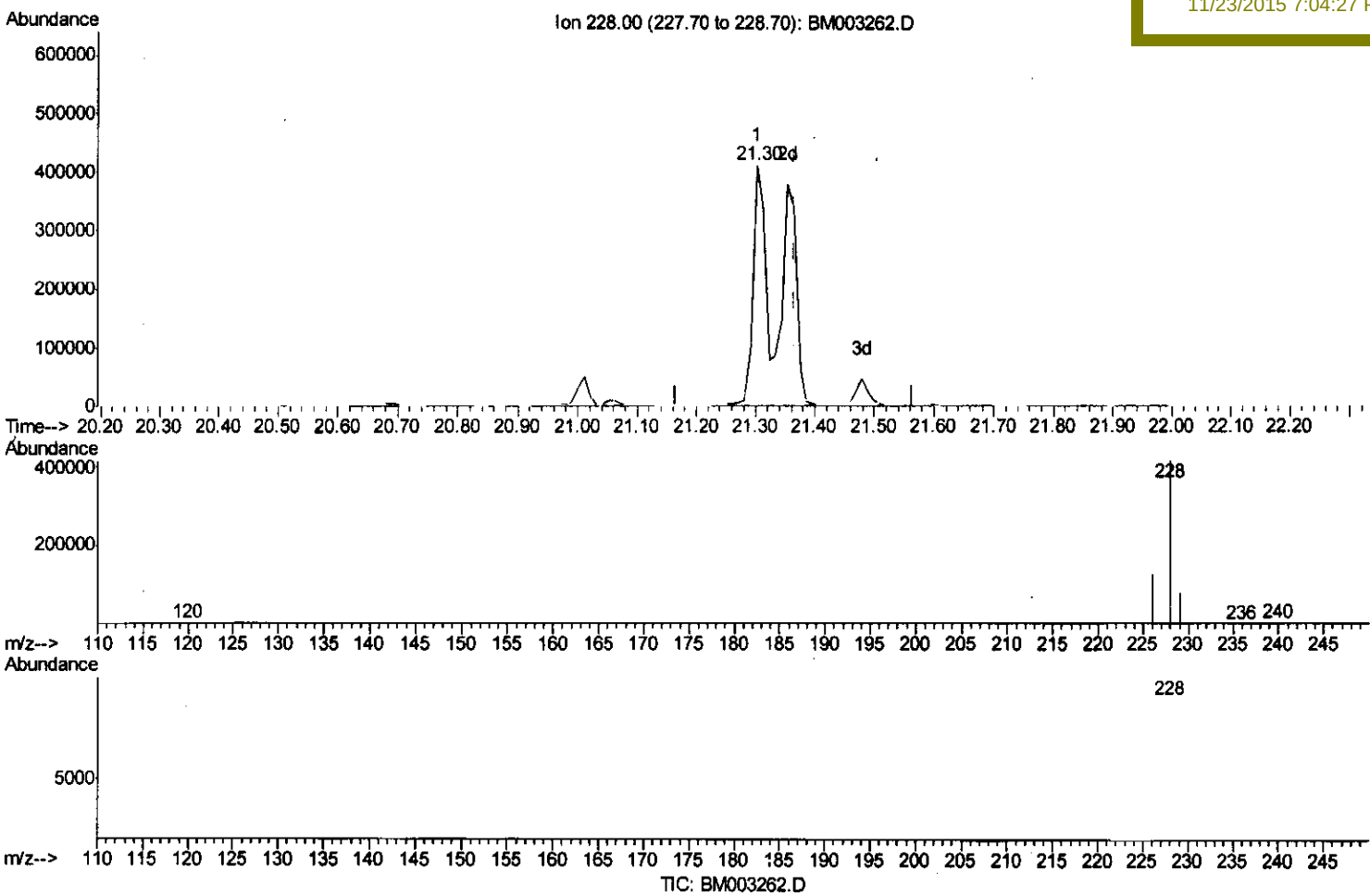
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112115\
Data File : BM003262.D
Acq On : 21 Nov 2015 23:29
Operator : UM/IZ
Sample : G4345-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 22 04:47:07 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 04:42:03 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4J48

Manual Integrations APPROVED
Mmdadoda
11/23/2015 7:04:27 PM



(21) Chrysene

21.302min (-0.063) 3.14ng/ul

response 647746

Ion	Exp%	Act%
228.00	100	100
226.00	26.50	30.04
229.00	21.30	18.68
0.00	0.00	0.00

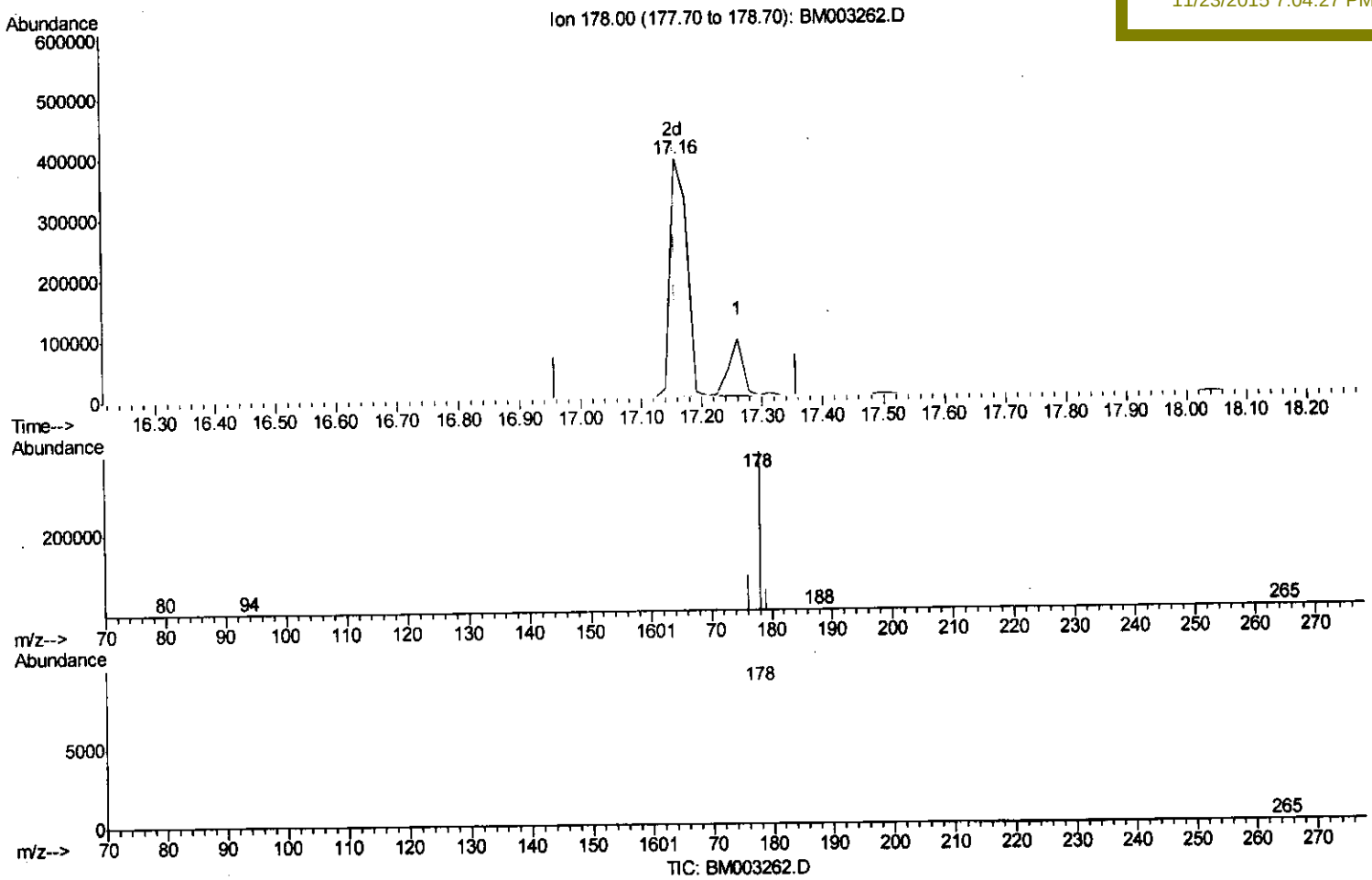
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112115\
Data File : BM003262.D
Acq On : 21 Nov 2015 23:29
Operator : UM/IZ
Sample : G4345-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 22 04:47:07 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 04:42:03 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4J48

Manual Integrations APPROVED
Mmdadoda
11/23/2015 7:04:27 PM



(14) Phenanthrene

17.157min (-0.000) 4.17ng/ul m

response 767602

Ion	Exp%	Act%
178.00	100	100
176.00	16.20	21.93#
179.00	17.70	13.34#
0.00	0.00	0.00

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11/25/15

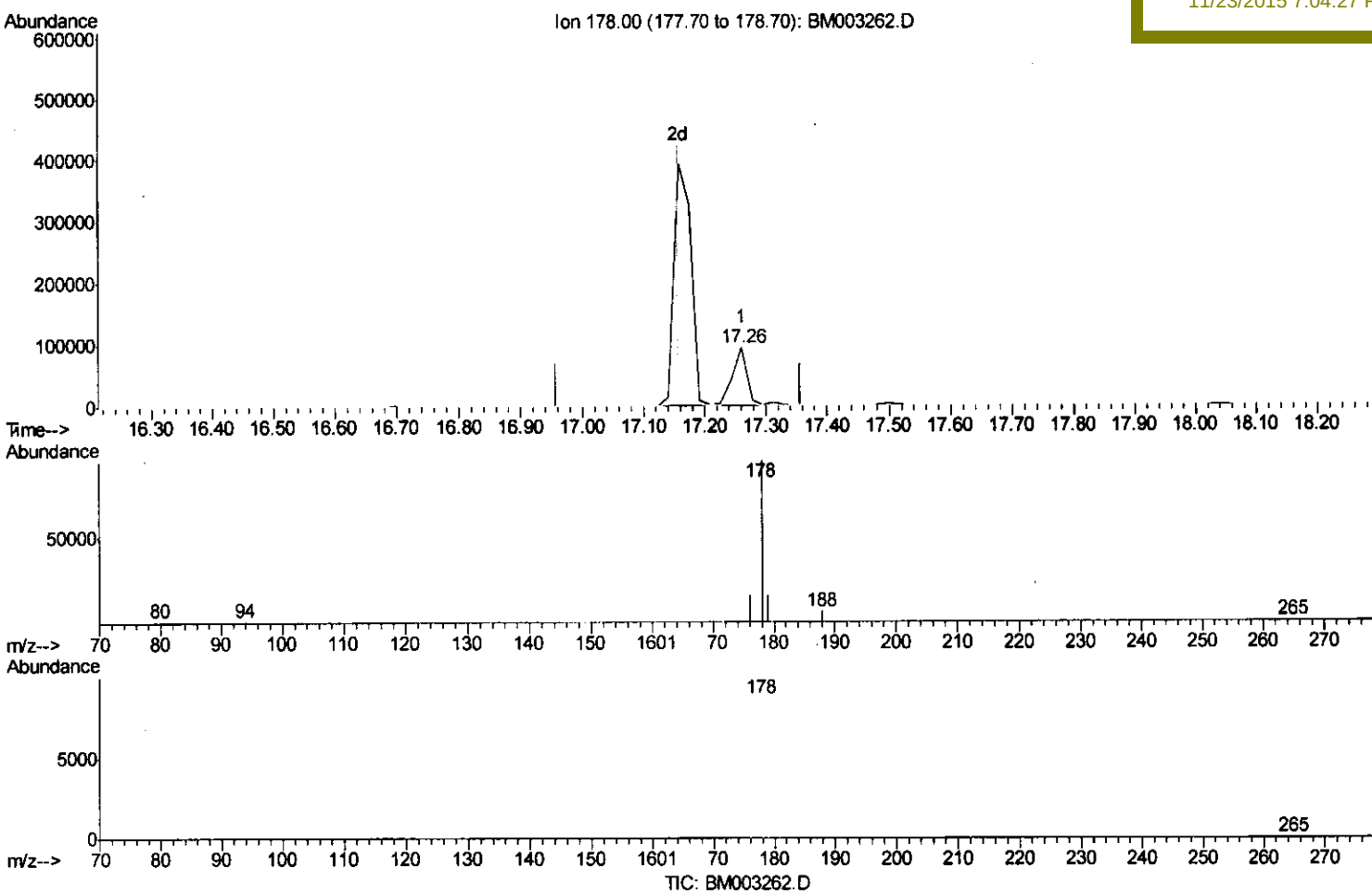
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112115\
Data File : BM003262.D
Acq On : 21 Nov 2015 23:29
Operator : UM/IZ
Sample : G4345-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 22 04:47:07 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 04:42:03 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4J48

Manual Integrations APPROVED
Mmdadoda
11/23/2015 7:04:27 PM



(14) Phenanthrene

17.260min (+0.103) 0.81ng/ul

response 148643

Ion	Exp%	Act%
178.00	100	100
176.00	16.20	16.83
179.00	17.70	16.67
0.00	0.00	0.00

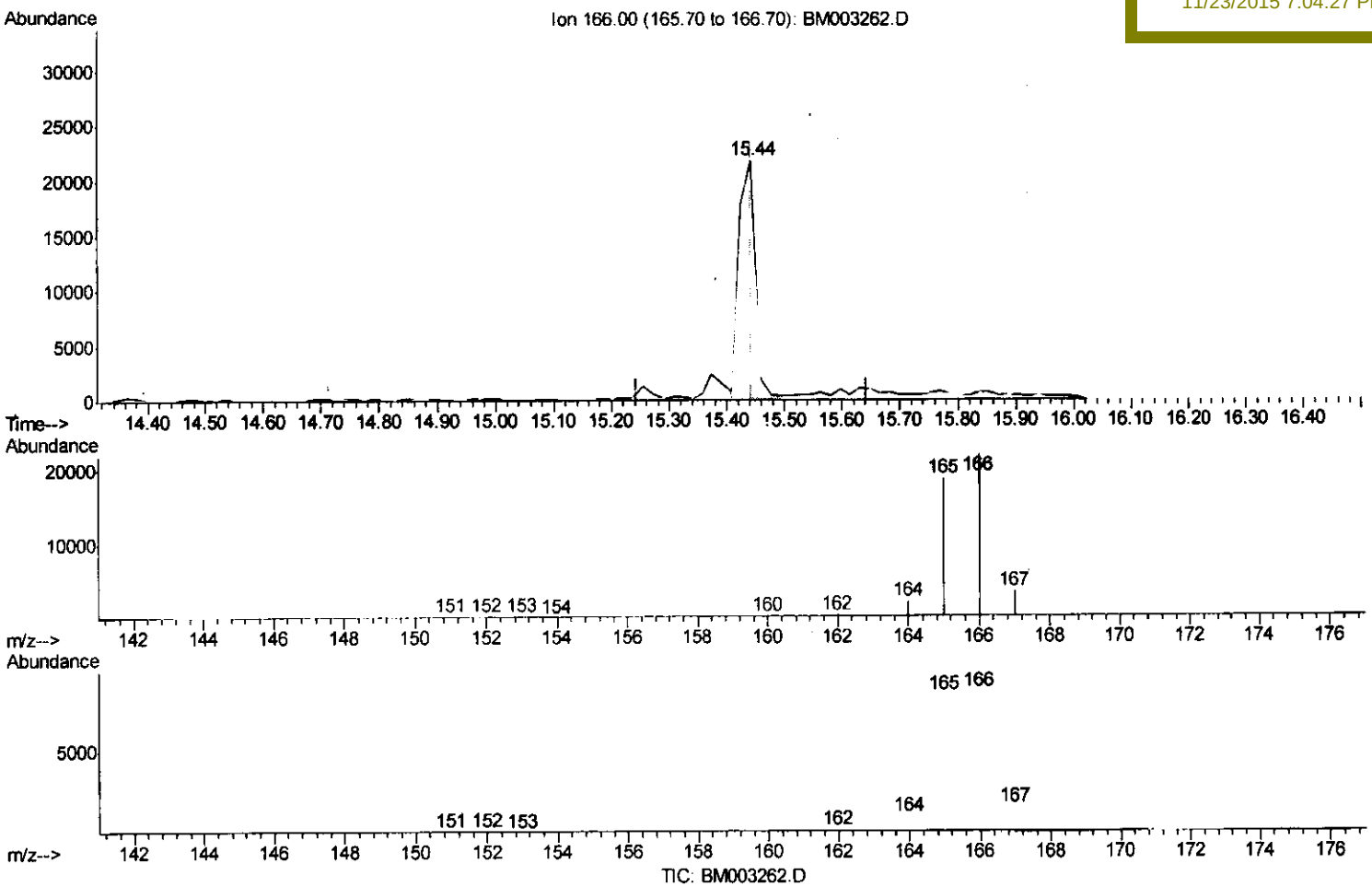
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112115\
Data File : BM003262.D
Acq On : 21 Nov 2015 23:29
Operator : UM/IZ
Sample : G4345-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 22 04:47:07 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 04:42:03 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4J48

Manual Integrations APPROVED
Mmdadoda
11/23/2015 7:04:27 PM



(11) Fluorene

15.442min (-0.000) 0.36ng/ul m

response 42448

Ion	Exp%	Act%
166.00	100	100
165.00	87.00	85.29
167.00	14.90	16.00
0.00	0.00	0.00

U.M 11/25/15

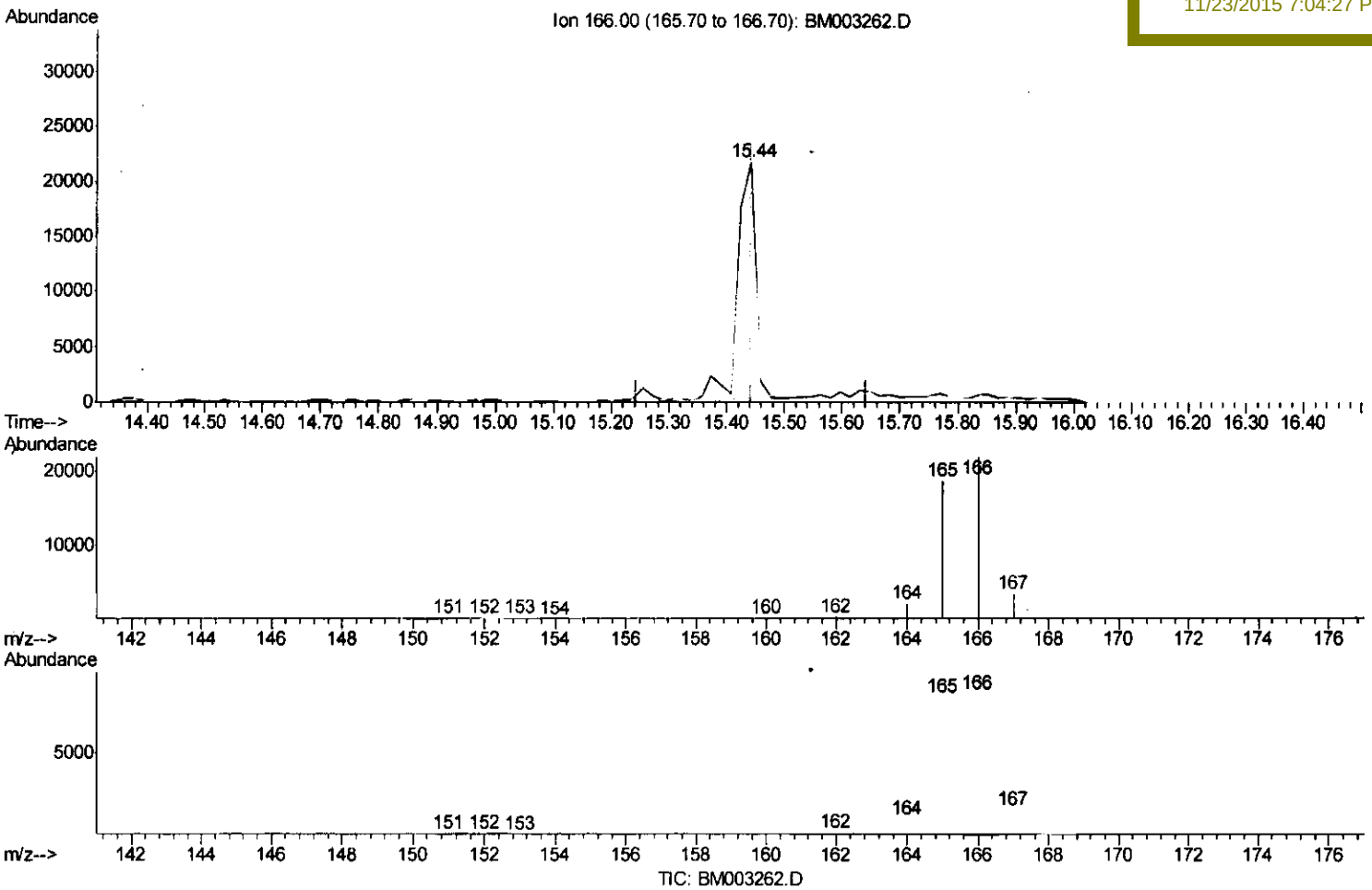
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112115\
Data File : BM003262.D
Acq On : 21 Nov 2015 23:29
Operator : UM/IZ
Sample : G4345-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 22 04:47:07 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 04:42:03 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4J48

Manual Integrations APPROVED
Mmdadoda
11/23/2015 7:04:27 PM



(11) Fluorene

15.442min (-0.000) 0.40ng/ul

response 47026

Ion	Exp%	Act%
166.00	100	100
165.00	87.00	85.29
167.00	14.90	16.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\BNA M\DATA\BM112115\
Data File : BM003262.D
Acq On : 21 Nov 2015 23:29
Operator : UM/IZ
Sample : G4345-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4J48

Manual Integrations APPROVED
Mmdadoda
11/23/2015 7:04:27 PM

Quant Time: Nov 22 05:11:02 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 04:42:03 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	15008	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	59455	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	31093	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	63486	0.40	ng/ul	0.00
18) Chrysene-d12	21.32	240	63213	0.40	ng/ul	0.00
22) Perylene-d12	23.58	264	63147	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	33448	2.09	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.12	152	8658	0.11	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	14969	0.10	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.57	128	26533	0.17	ng/ul	97
7) 2-Methylnaphthalene	12.19	142	9645	0.10	ng/ul#	100
9) Acenaphthylene	14.09	152	33684	0.26	ng/ul	98
10) Acenaphthene	14.43	153	39841	0.36	ng/ul#	77
11) Fluorene	15.44	166	42448m	0.36	ng/ul	
13) Pentachlorophenol	16.78	266	1233	0.08	ng/ul	95
14) Phenanthrene	17.16	178	767602m	4.17	ng/ul	
15) Anthracene	17.26	178	158920	1.03	ng/ul	99
17) Fluoranthene	19.19	202	1350137	6.61	ng/ul	99
19) Pyrene	19.55	202	1282707	5.92	ng/ul	99
20) Benzo(a)anthracene	21.30	228	651358	3.55	ng/ul#	90
21) Chrysene	21.35	228	595401m	2.88	ng/ul	
23) Benzo(b)fluoranthene	22.90	252	797047m	3.32	ng/ul	
24) Benzo(k)fluoranthene	22.94	252	274947m	1.21	ng/ul	
25) Benzo(a)pyrene	23.48	252	585600	2.74	ng/ul	95
26) Indeno(1,2,3-cd)pyrene	25.86	276	377566	1.48	ng/ul#	94
27) Dibenzo(a,h)anthracene	25.87	278	89513	0.44	ng/ul	96
28) Benzo(g,h,i)perylene	26.56	276	366043	1.64	ng/ul	99

U.M 11/25/15

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