

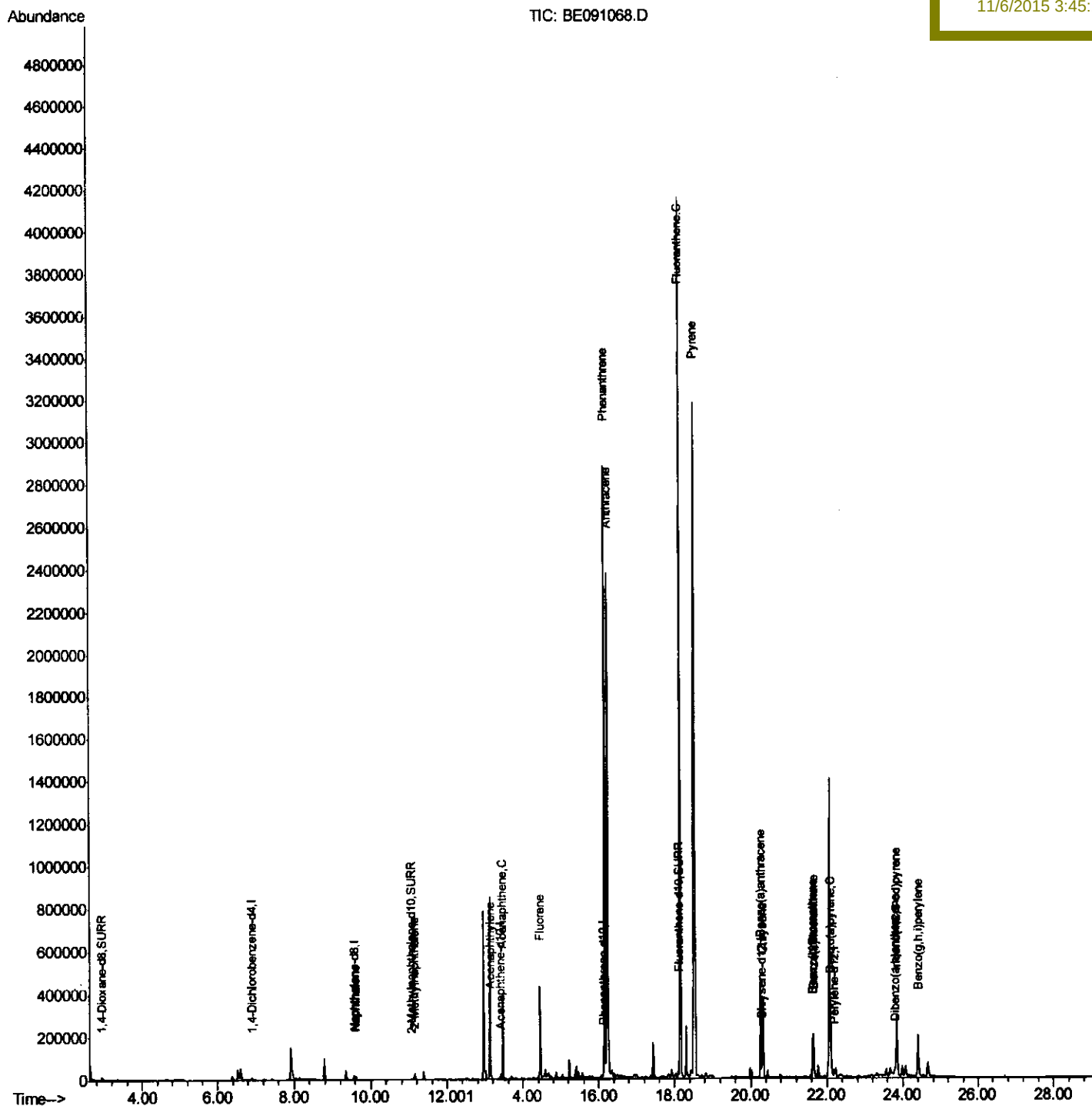
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
Data File : BE091068.D
Acq On : 5 Nov 2015 13:54
Operator : UM/NP
Sample : G4273-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AP0

Quant Time: Nov 06 06:15:01 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 06 05:41:57 2015
Response via : Initial Calibration

Manual Integrations
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Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091068.D
 Acq On : 5 Nov 2015 13:54
 Operator : UM/NP
 Sample : G4273-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP0

Quant Time: Nov 06 06:15:01 2015
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	4300	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	23678	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.41	164	13594	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	31841m	0.40	ng/ul	0.00
18) Chrysene-d12	20.29	240	34012	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	43626m	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.93	96	17162	5.55	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	11.07	152	6506	0.20	ng/ul	0.00
16) Fluoranthene-d10	18.13	212	19001m	0.21	ng/ul	0.00
Target Compounds						Ovalue
5) Naphthalene	9.61	128	21864	0.37	ng/ul	99
7) 2-Methylnaphthalene	11.14	142	20585	0.54	ng/ul	97
9) Acenaphthylene	13.15	152	30509	0.45	ng/ul	98
10) Acenaphthene	13.46	153	216126	4.65	ng/ul	93
11) Fluorene	14.45	166	276280	4.63	ng/ul	89
14) Phenanthrene	16.17	178	2955313m	8.04	ng/ul	
15) Anthracene	16.25	178	2600126	7.78	ng/ul	97
17) Fluoranthene	18.15	202	4254792m	9.89	ng/ul	
19) Pyrene	18.54	202	2989674	7.74	ng/ul#	79
20) Benzo(a)anthracene	20.26	228	347411	3.98	ng/ul	95
21) Chrysene	20.32	228	324205	3.22	ng/ul	98
23) Benzo(b)fluoranthene	21.63	252	177535	1.30	ng/ul	93
24) Benzo(k)fluoranthene	21.65	252	202008m	1.45	ng/ul	
25) Benzo(a)pyrene	22.10	252	216325m	1.72	ng/ul	
26) Indeno(1,2,3-cd)pyrene	23.83	276	392710m	0.74	ng/ul	
27) Dibenzo(a,h)anthracene	23.79	278	30498m	0.24	ng/ul	
28) Benzo(a,h,i)perylene	24.40	276	330088m	0.60	ng/ul	

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

Quantitation Report (Qedit)

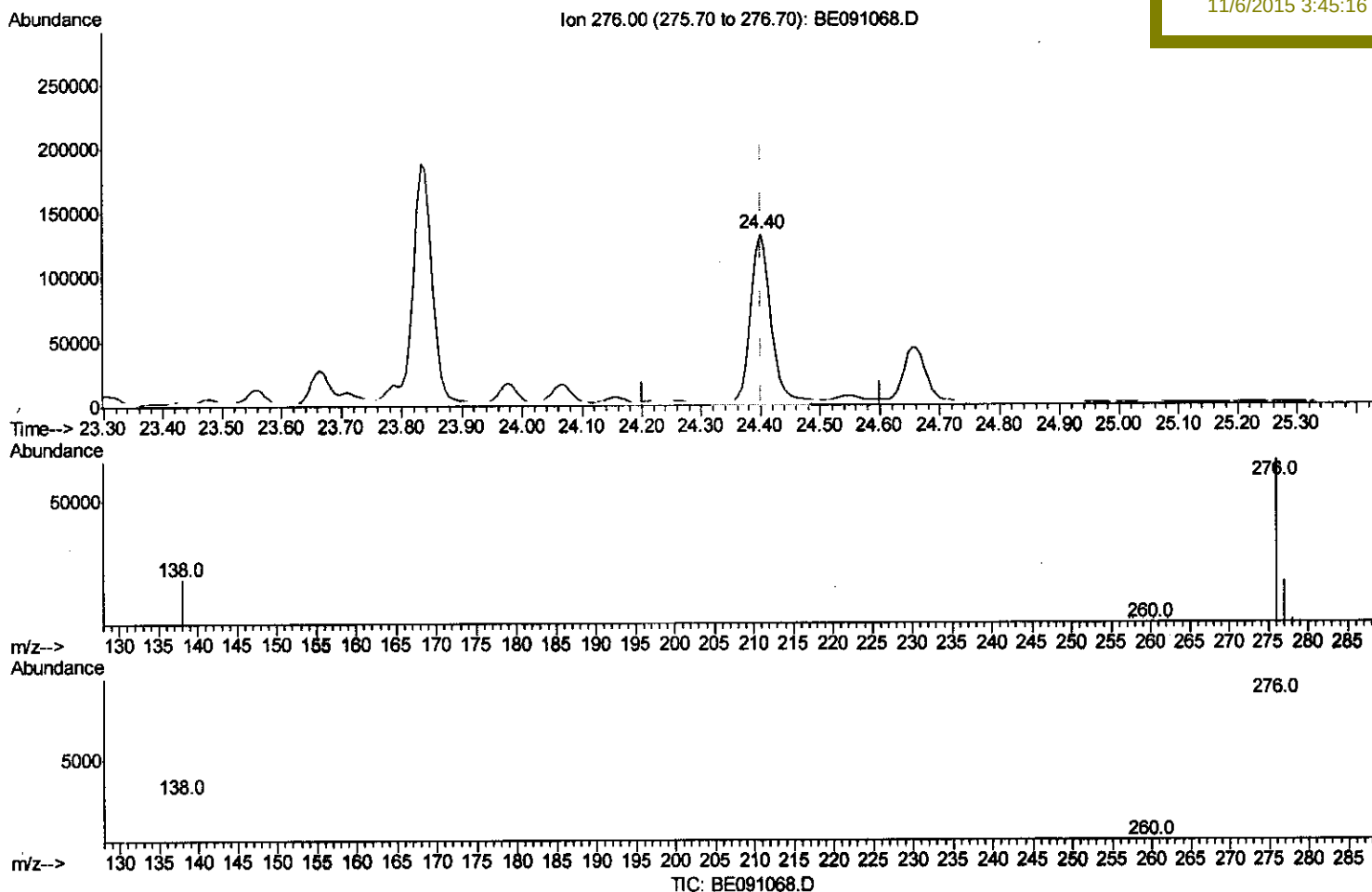
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
Data File : BE091068.D
Acq On : 5 Nov 2015 13:54
Operator : UM/NP
Sample : G4273-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 06 06:13:14 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 06 05:41:57 2015
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Manual Integrations
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(28) Benzo(g,h,i)perylene

24.400min (-0.001) 0.60ng/ul m

response 330088

Ion	Exp%	Act%
276.00	100	100
277.00	26.60	25.33
138.00	31.90	27.61
0.00	0.00	0.00

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Quantitation Report (Qedit)

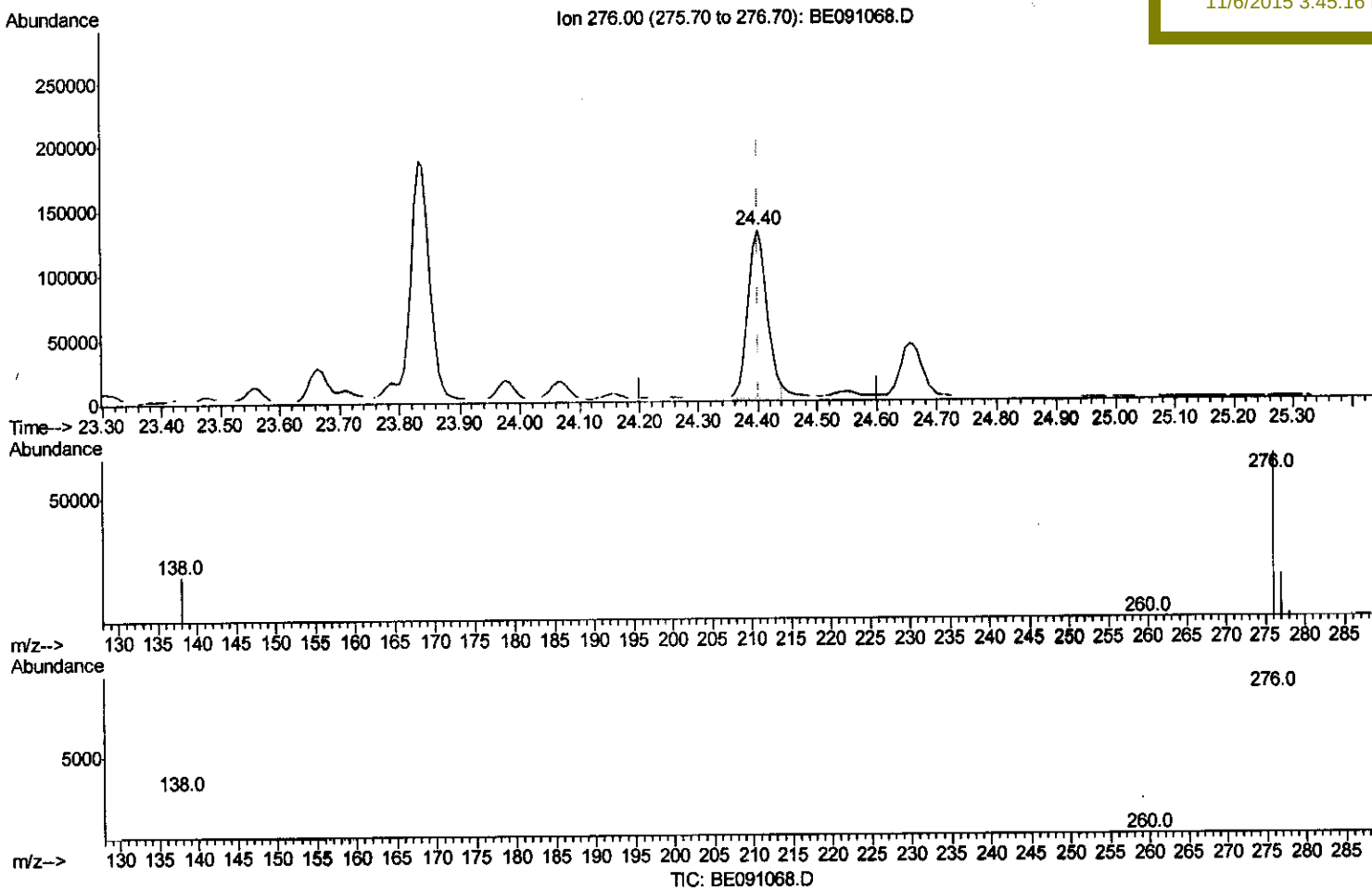
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091068.D
 Acq On : 5 Nov 2015 13:54
 Operator : UM/NP
 Sample : G4273-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP0

Quant Time: Nov 06 06:13:14 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
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Manual Integrations
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(28) Benzo(g,h,i)perylene

24.400min (-0.001) 0.54ng/ul

response 299259

Ion	Exp%	Act%
276.00	100	100
277.00	26.60	25.33
138.00	31.90	27.61
0.00	0.00	0.00

Quantitation Report (Qedit)

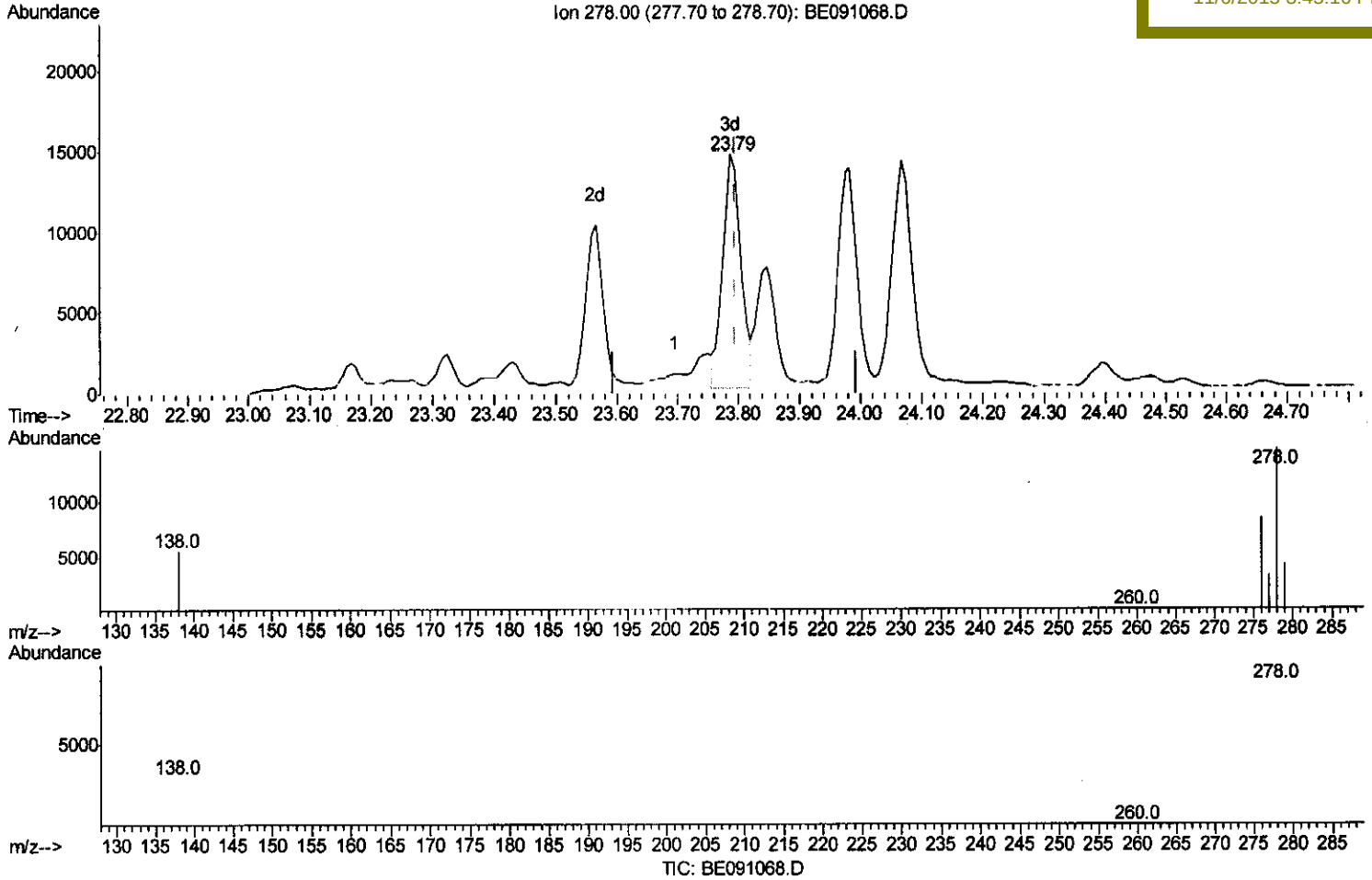
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091068.D
 Acq On : 5 Nov 2015 13:54
 Operator : UM/NP
 Sample : G4273-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 COAP0

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Manual Integrations
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(27) Dibenzo(a,h)anthracene

23.787min (-0.008) 0.24ng/ul m

response 30498

Ion	Exp%	Act%
278.00	100	100
139.00	27.10	0.00#
279.00	27.40	29.39
0.00	0.00	0.00

U.M
 11/06/15

Quantitation Report (Qedit)

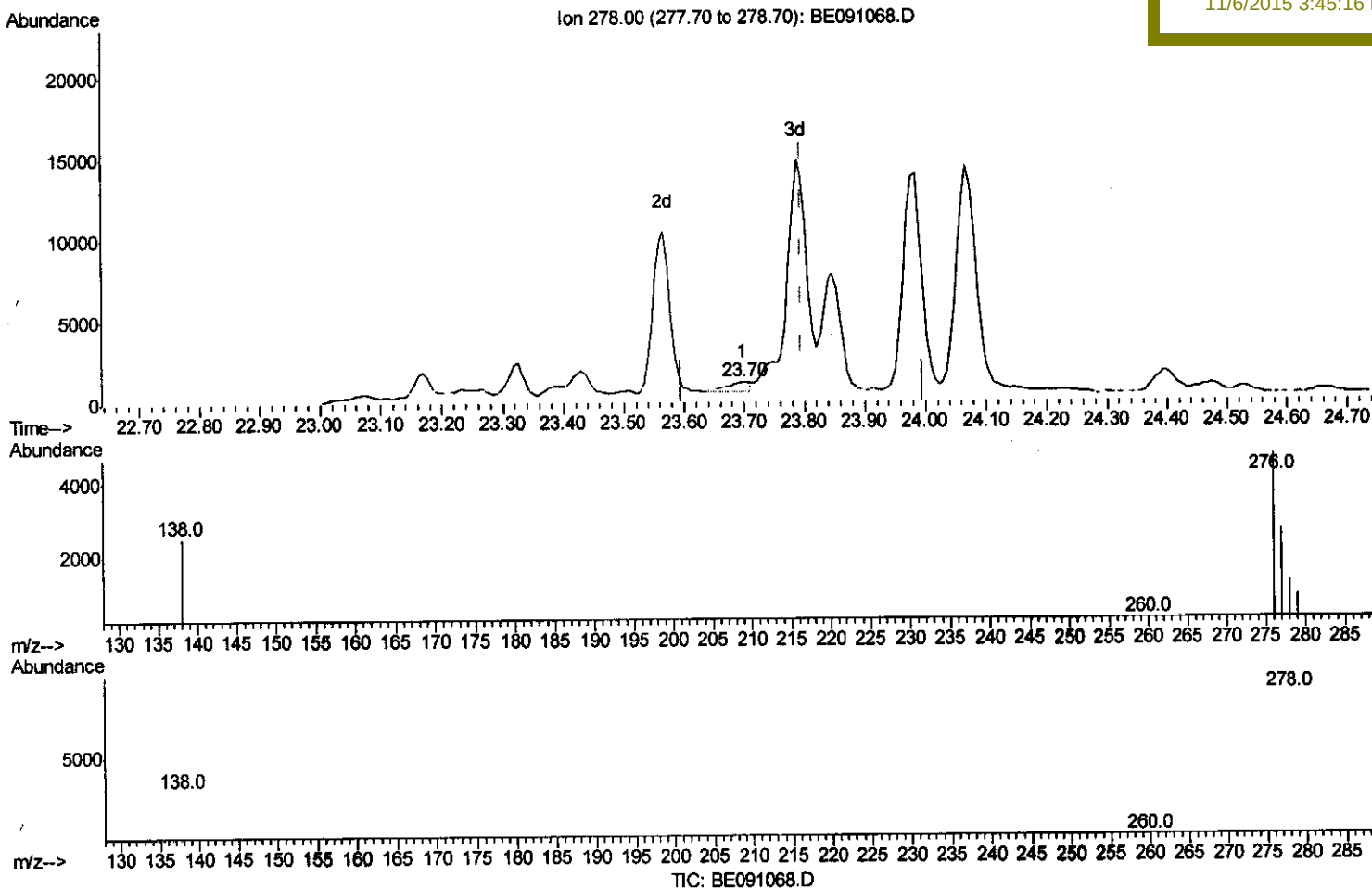
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091068.D
 Acq On : 5 Nov 2015 13:54
 Operator : UM/NP
 Sample : G4273-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 COAPO

Quant Time: Nov 06 06:13:14 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Manual Integrations
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(27) Dibenzo(a,h)anthracene

23.696min (-0.099) 0.01ng/ul

response 1700

Ion	Exp%	Act%
278.00	100	100
139.00	27.10	0.00#
279.00	27.40	66.86#
0.00	0.00	0.00

Quantitation Report (Qedit)

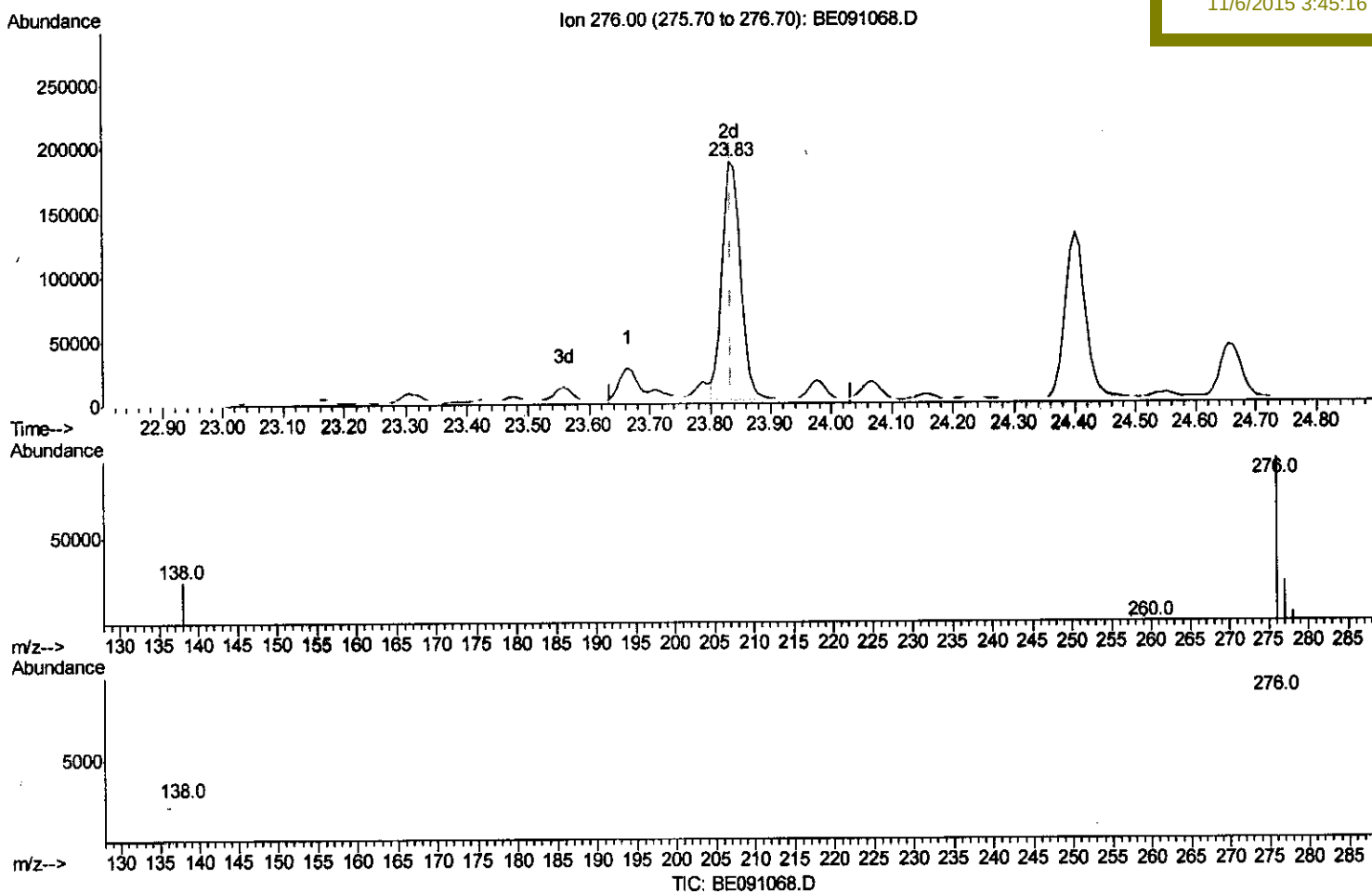
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
Data File : BE091068.D
Acq On : 5 Nov 2015 13:54
Operator : UM/NP
Sample : G4273-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AP0

Quant Time: Nov 06 06:13:14 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 06 05:41:57 2015
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Manual Integrations
APPROVED

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(26) Indeno(1,2,3-cd)pyrene

23.833min (-0.001) 0.74ng/ul m

response 392710

Ion	Exp%	Act%
276.00	100	100
138.00	34.40	4.47#
277.00	24.10	5.36#
0.00	0.00	0.00

U.M
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Quantitation Report (Qedit)

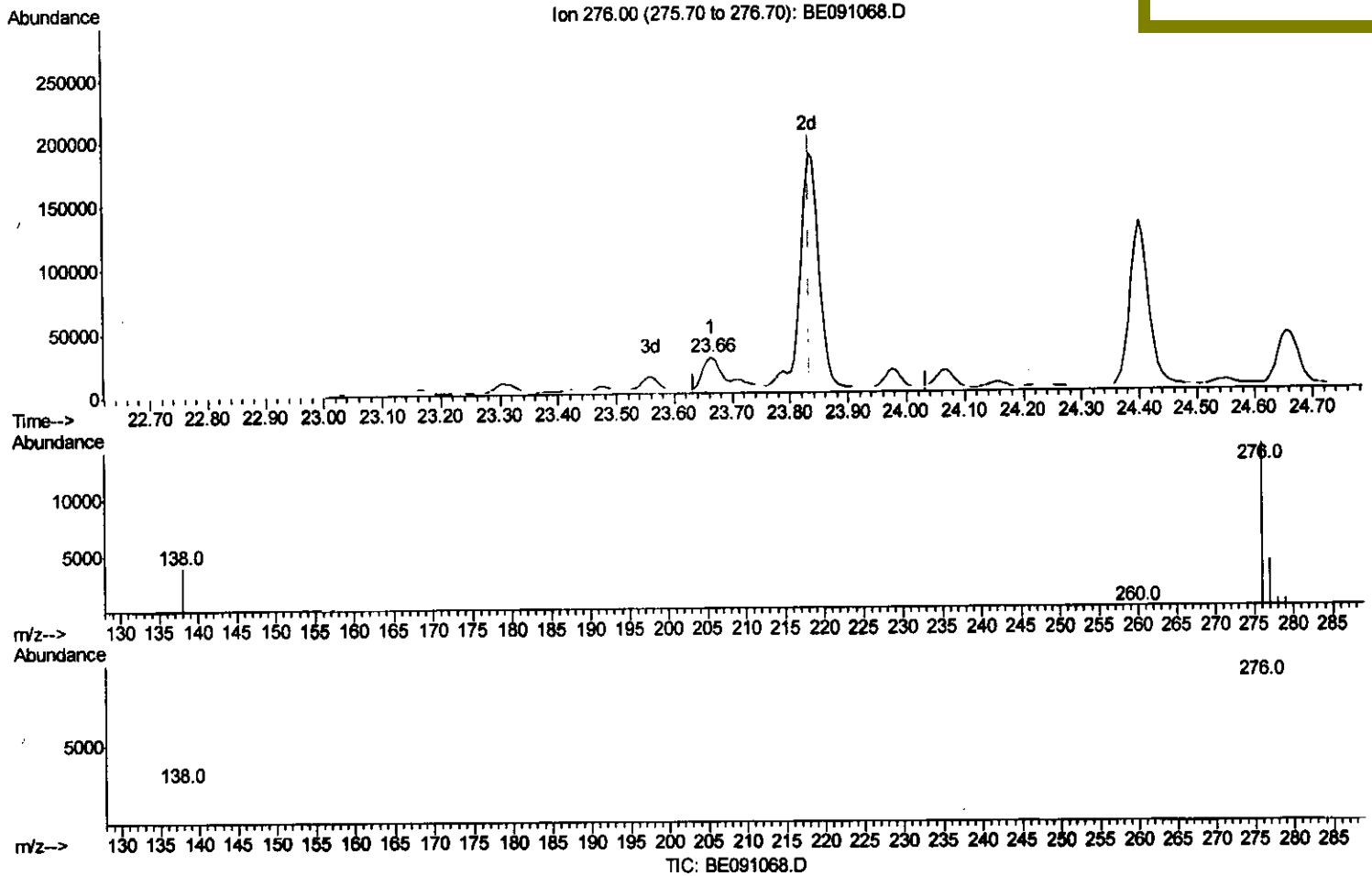
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091068.D
 Acq On : 5 Nov 2015 13:54
 Operator : UM/NP
 Sample : G4273-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 C0AP0

Quant Time: Nov 06 06:13:14 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
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 QLast Update : Fri Nov 06 05:41:57 2015
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Manual Integrations
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(26) Indeno(1,2,3-cd)pyrene

23.663min (-0.171) 0.15ng/ul

response 80524

Ion	Exp%	Act%
276.00	100	100
138.00	34.40	21.78#
277.00	24.10	26.13
0.00	0.00	0.00

Quantitation Report (Qedit)

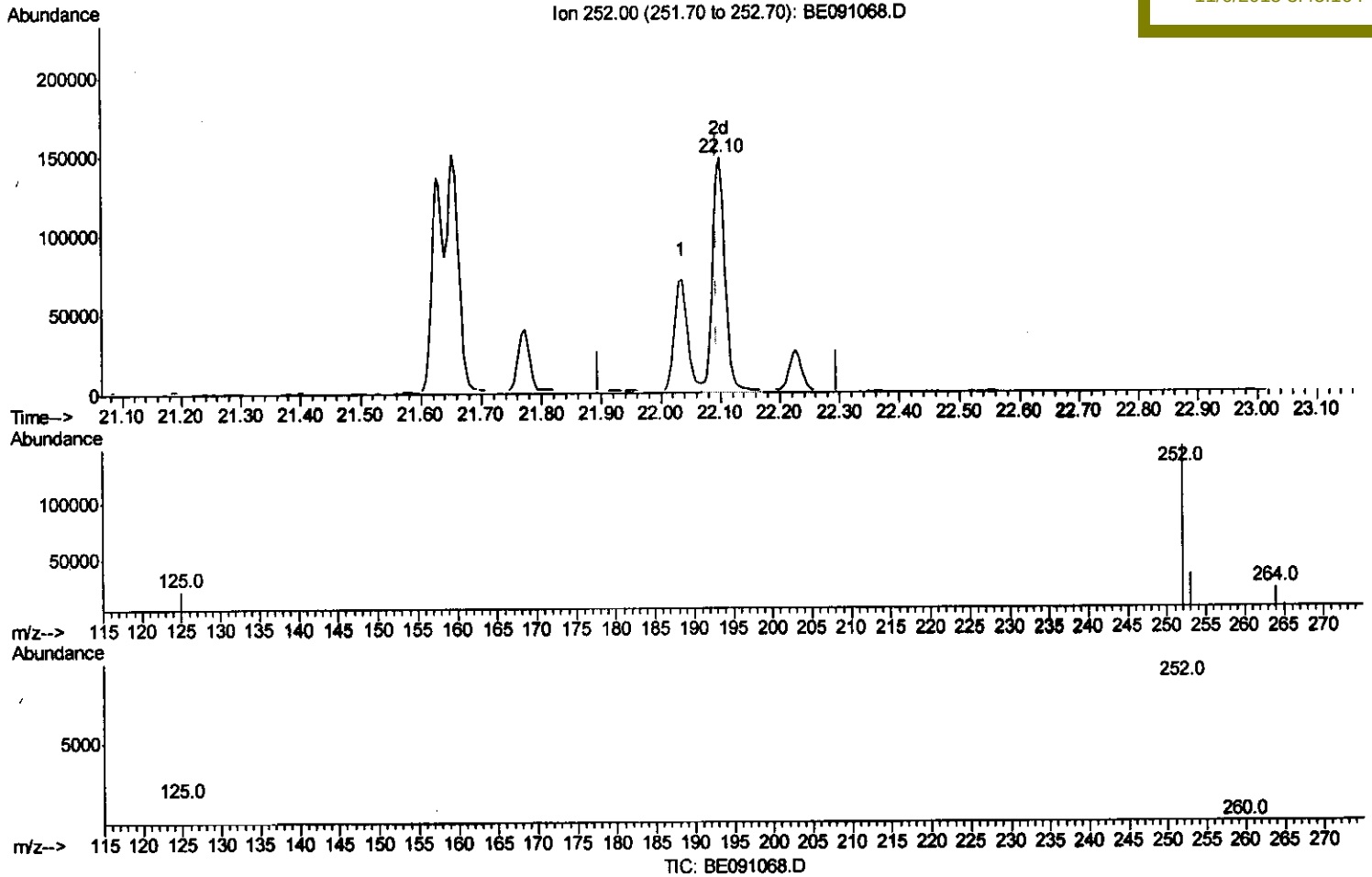
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091068.D
 Acq On : 5 Nov 2015 13:54
 Operator : UM/NP
 Sample : G4273-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP0

Quant Time: Nov 06 06:13:14 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
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(25) Benzo(a)pyrene (C)

22.099min (+0.005) 1.72ng/ul m

response 216325

Ion	Exp%	Act%
252.00	100	100
253.00	27.30	22.61
125.00	18.10	14.15#
0.00	0.00	0.00

Quantitation Report (Qedit)

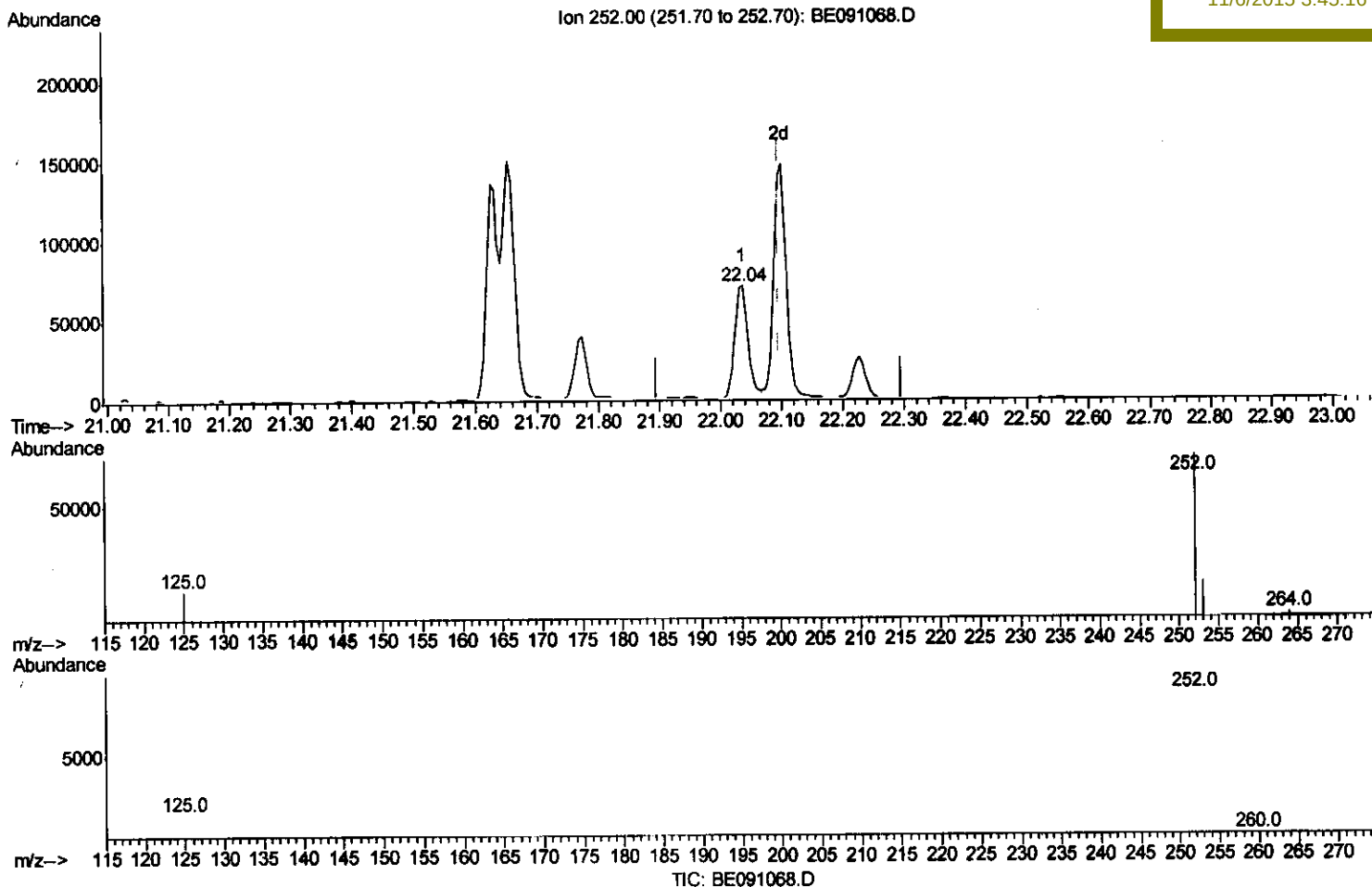
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091068.D
 Acq On : 5 Nov 2015 13:54
 Operator : UM/NP
 Sample : G4273-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP0

Quant Time: Nov 06 06:13:14 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 06 05:41:57 2015
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Manual Integrations
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(25) Benzo(a)pyrene (C)

22.036min (-0.059) 0.87ng/ul

response 108912

Ion	Exp%	Act%
252.00	100	100
253.00	27.30	23.16
125.00	18.10	19.01
0.00	0.00	0.00

Quantitation Report (Qedit)

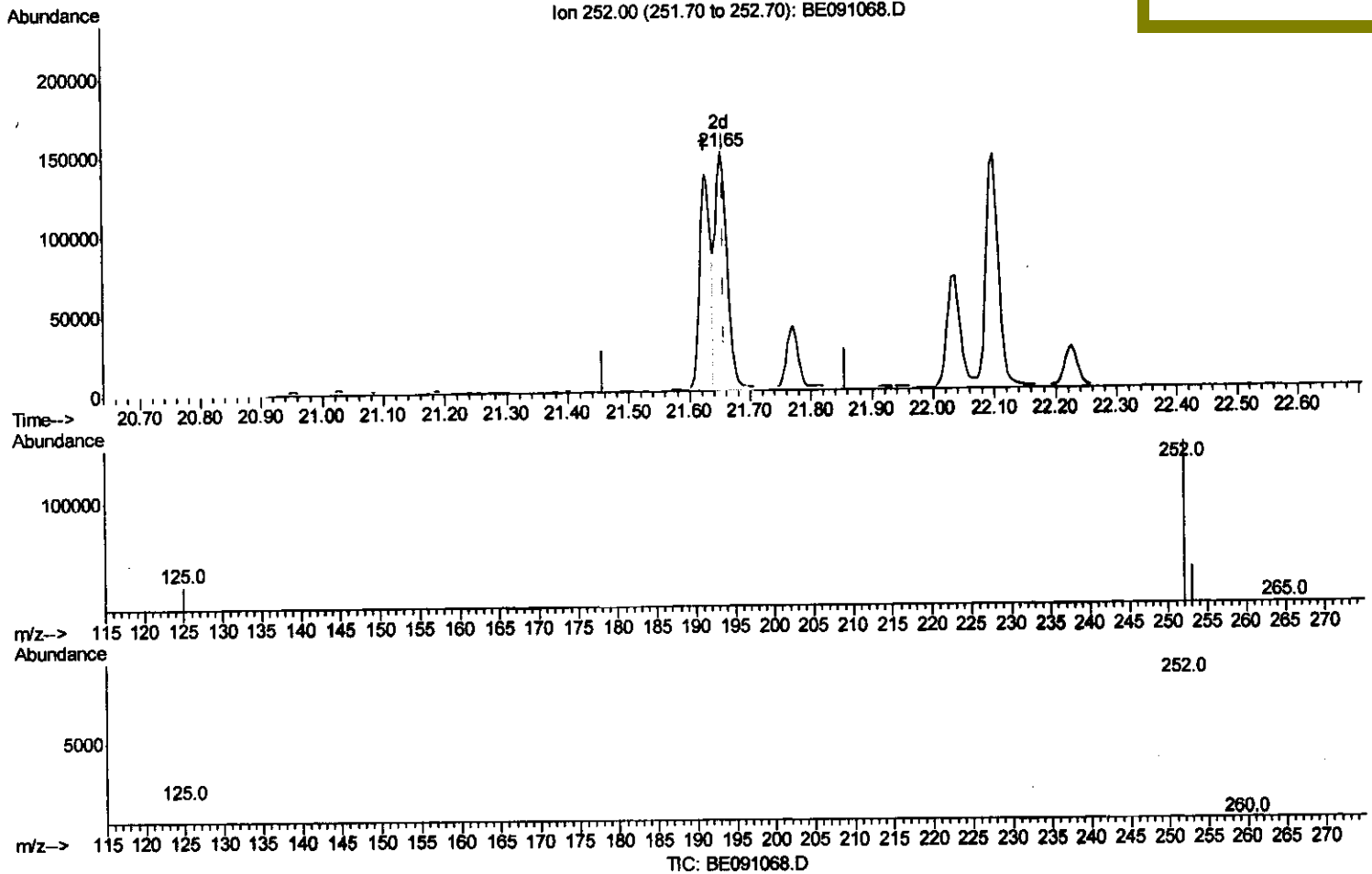
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091068.D
 Acq On : 5 Nov 2015 13:54
 Operator : UM/NP
 Sample : G4273-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP0

Quant Time: Nov 06 06:13:14 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 06 05:41:57 2015
 Response via : Initial Calibration

Manual Integrations
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(24) Benzo(k)fluoranthene

21.653min (-0.004) 1.45ng/ul m

response 202008

Ion	Exp%	Act%
252.00	100	100
253.00	26.00	22.47
125.00	15.30	14.86
0.00	0.00	0.00

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Quantitation Report (Qedit)

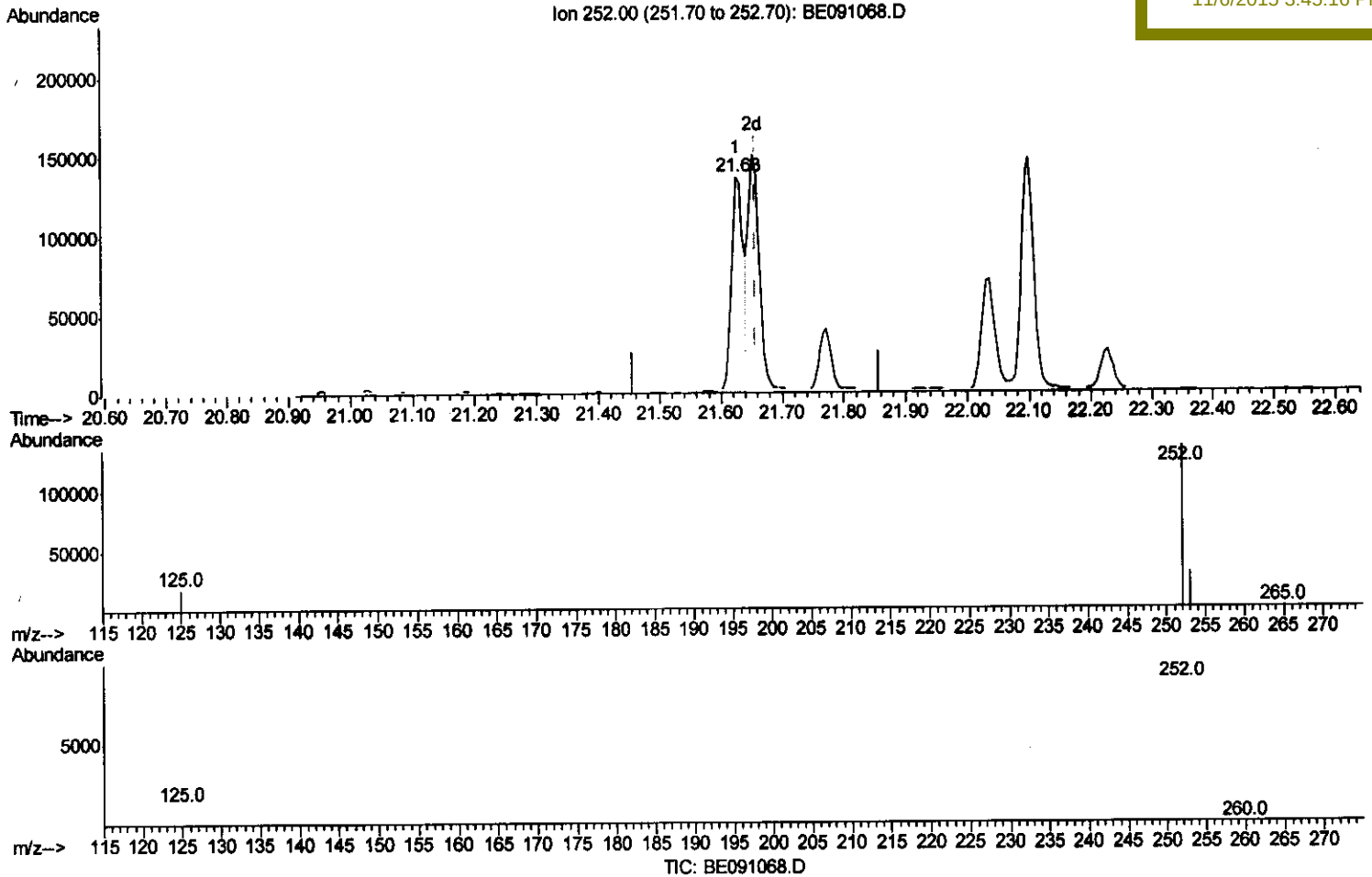
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091068.D
 Acq On : 5 Nov 2015 13:54
 Operator : UM/NP
 Sample : G4273-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP0

Quant Time: Nov 06 06:13:14 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Manual Integrations
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(24) Benzo(k)fluoranthene
 21.626min (-0.031) 1.27ng/ul
 response 177535

Ion	Exp%	Act%
252.00	100	100
253.00	26.00	22.20
125.00	15.30	13.23
0.00	0.00	0.00

Quantitation Report (Qedit)

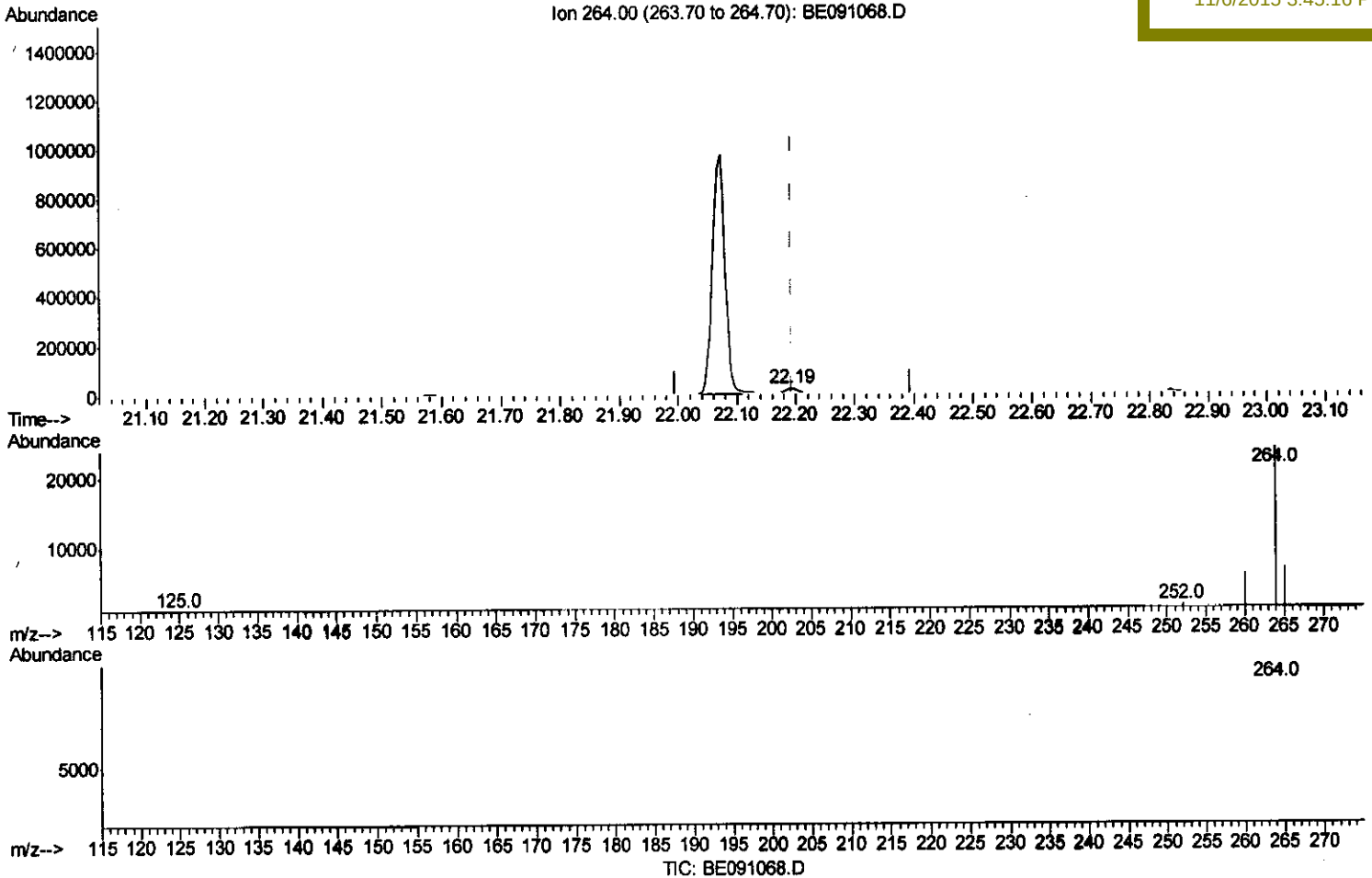
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091068.D
 Acq On : 5 Nov 2015 13:54
 Operator : UM/NP
 Sample : G4273-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP0

Quant Time: Nov 06 05:44:13 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 06 05:41:57 2015
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Manual Integrations
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(22) Perylene-d12 (I)

22.190min (-0.004) 0.40ng/ul m

response 43626

Ion	Exp%	Act%
264.00	100	100
260.00	28.90	25.04
265.00	34.70	28.41
0.00	0.00	0.00

Quantitation Report (Qedit)

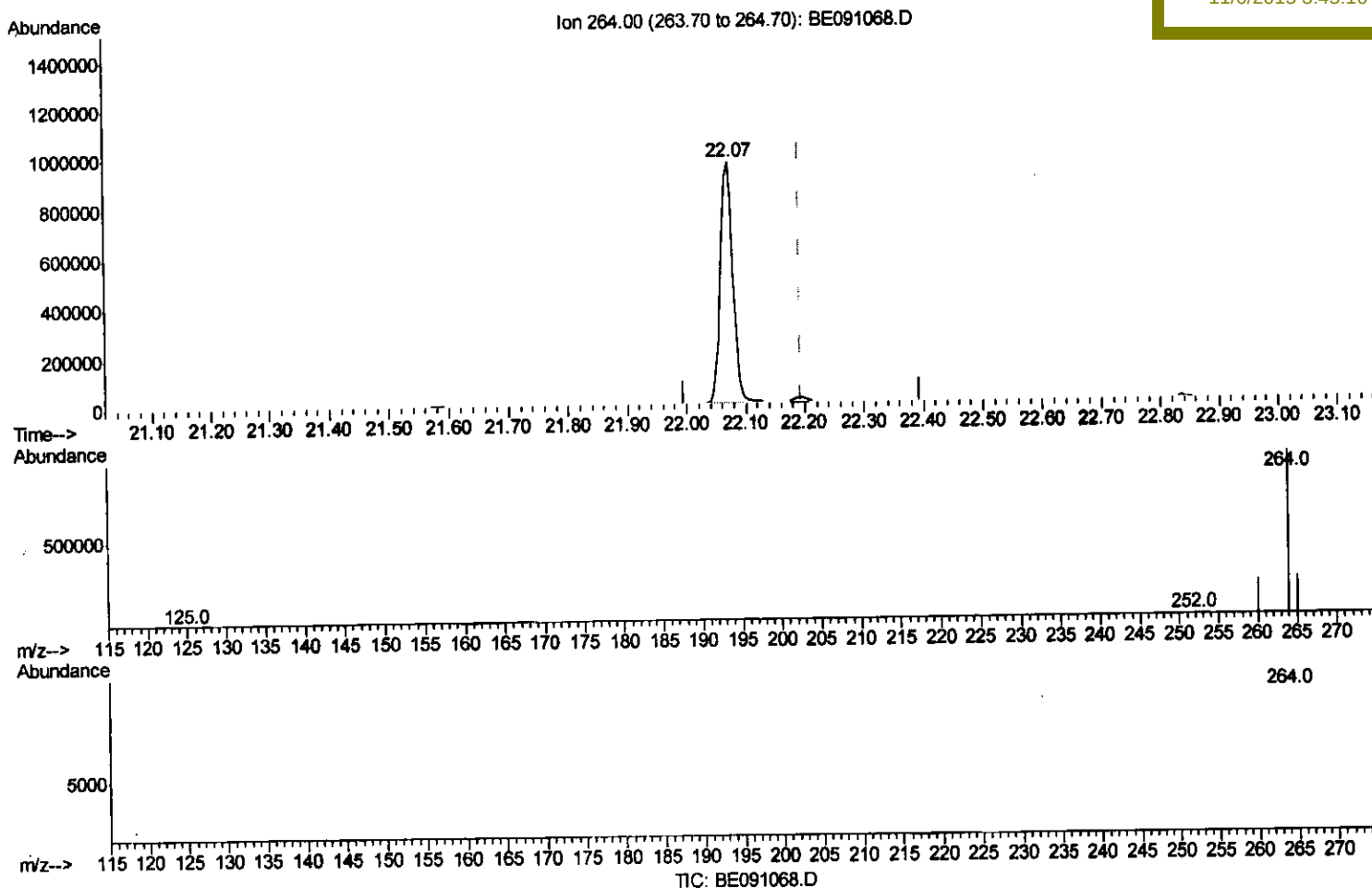
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091068.D
 Acq On : 5 Nov 2015 13:54
 Operator : UM/NP
 Sample : G4273-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 C0AP0

Quant Time: Nov 06 05:44:13 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Manual Integrations
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(22) Perylene-d12 (I)

22.072min (-0.123) 0.40ng/ul

response 1457604

Ion	Exp%	Act%
264.00	100	100
260.00	28.90	21.19#
265.00	34.70	22.58#
0.00	0.00	0.00

Quantitation Report (Qedit)

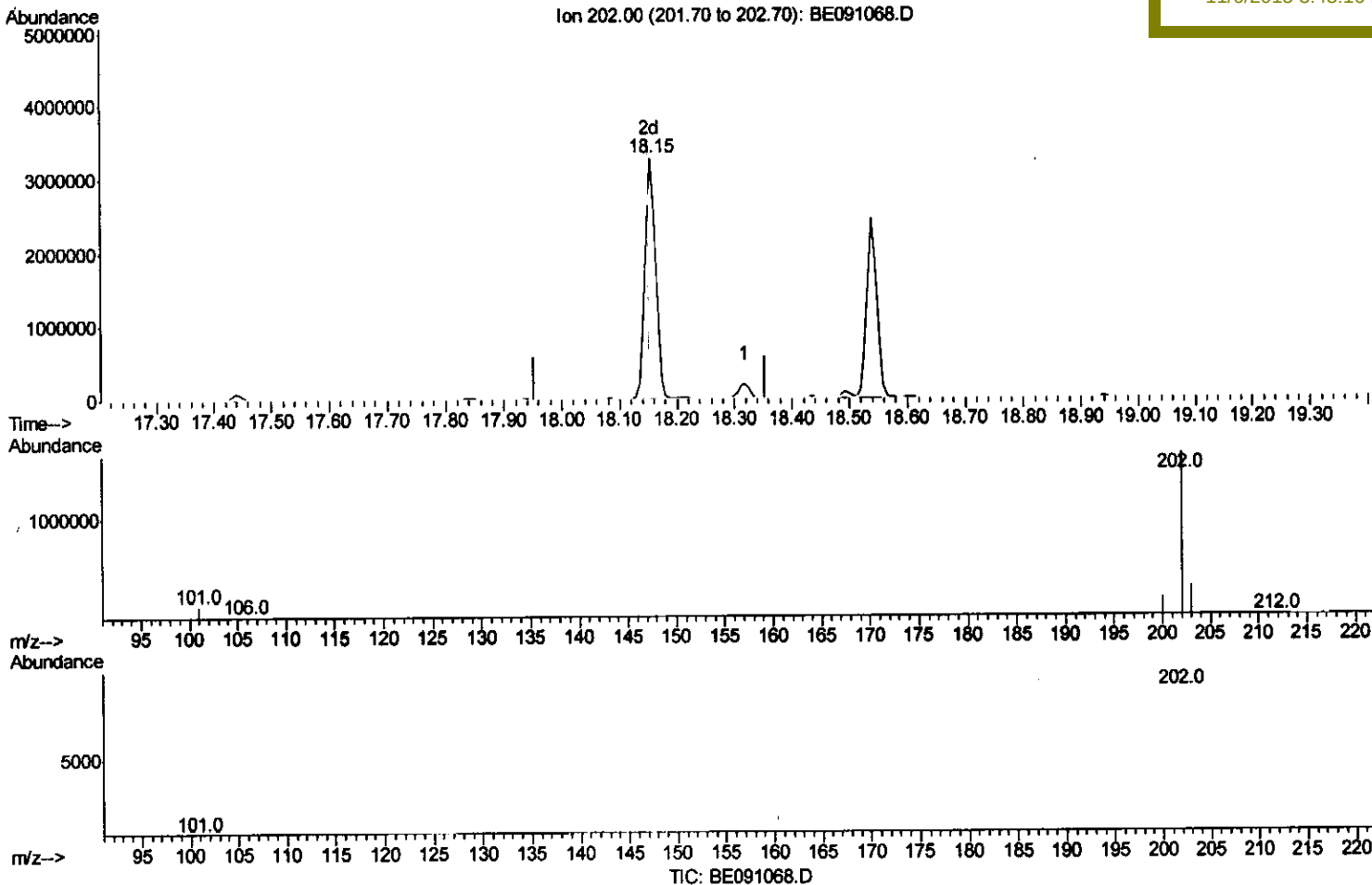
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091068.D
 Acq On : 5 Nov 2015 13:54
 Operator : UM/NP
 Sample : G4273-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 06 05:44:13 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
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 BNA_E
 ClientSampleId :
 C0AP0

Manual Integrations
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(17) Fluoranthene (C)

18.154min (+0.001) 9.89ng/ul m

response 4254792

Ion	Exp%	Act%
202.00	100	100
101.00	13.10	7.10
203.00	17.20	17.96
0.00	0.00	0.00

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Quantitation Report (Qedit)

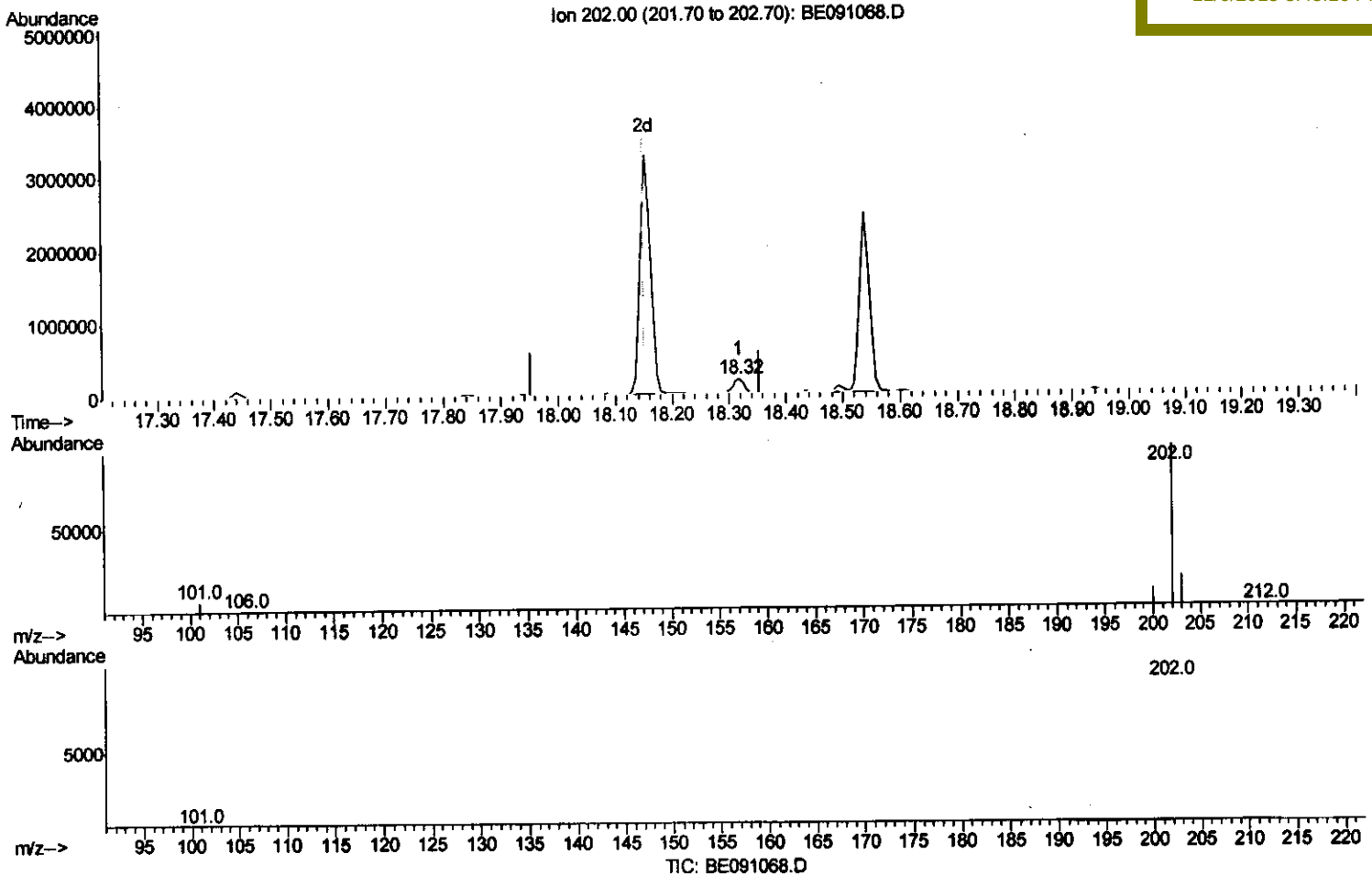
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091068.D
 Acq On : 5 Nov 2015 13:54
 Operator : UM/NP
 Sample : G4273-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 06 05:44:13 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Instrument :
 BNA_E
 ClientSampleId :
 COAPO

Manual Integrations
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(17) Fluoranthene (C)

18.317min (+0.164) 0.62ng/ul

response 266263

Ion	Exp%	Act%
202.00	100	100
101.00	13.10	3.19
203.00	17.20	18.69
0.00	0.00	0.00

Quantitation Report (Qedit)

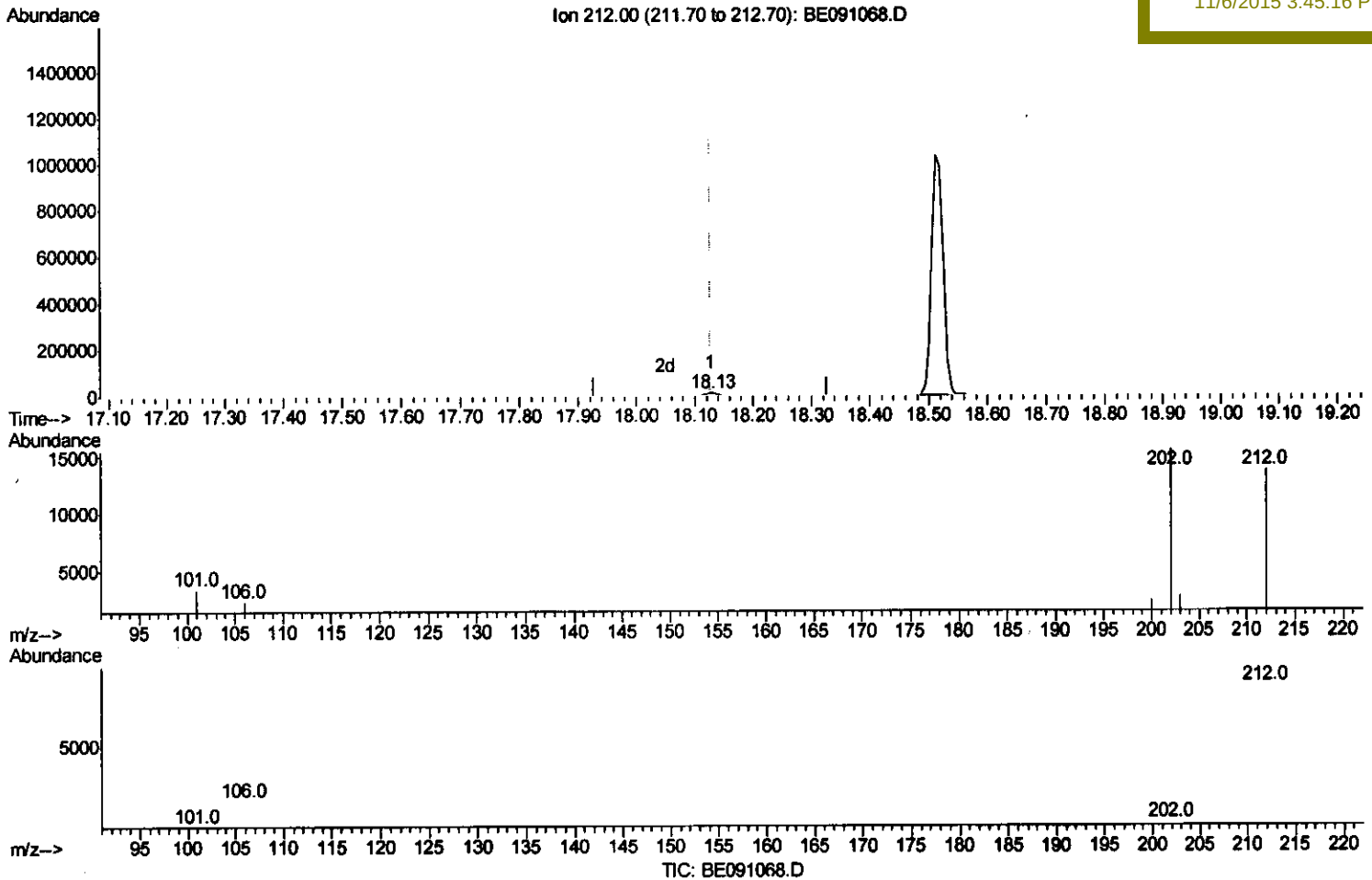
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091068.D
 Acq On : 5 Nov 2015 13:54
 Operator : UM/NP
 Sample : G4273-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 06 05:44:13 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 ClientSampleId :
 C0APO

Manual Integrations
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(16) Fluoranthene-d10 (SURR)

18.128min (+0.001) 0.21ng/ul m

response 19001

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	18.15
104.00	10.80	10.24
0.00	0.00	0.00

UM
 11/06/15

Quantitation Report (Qedit)

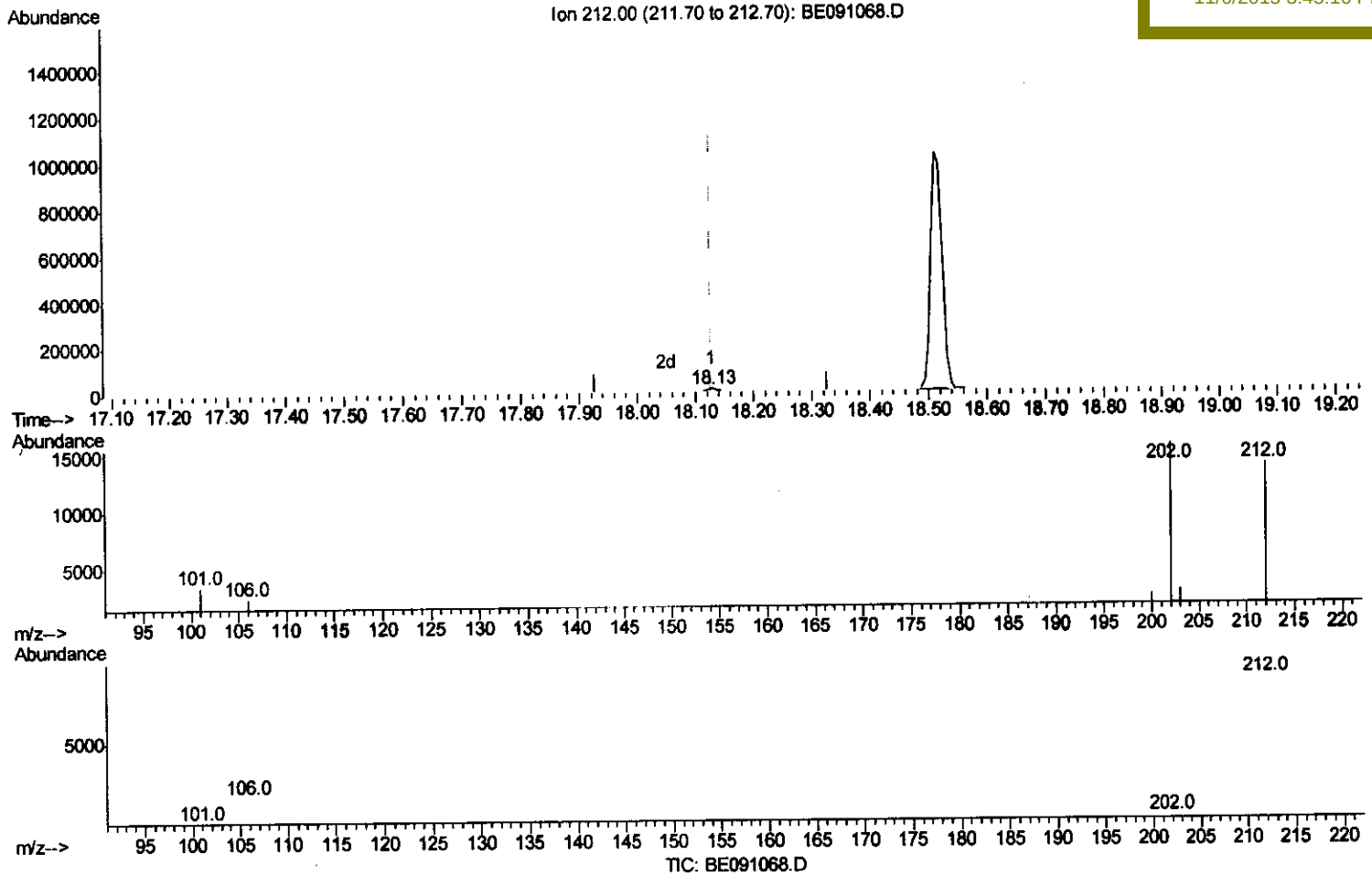
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091068.D
 Acq On : 5 Nov 2015 13:54
 Operator : UM/NP
 Sample : G4273-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP0

Quant Time: Nov 06 05:44:13 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 06 05:41:57 2015
 Response via : Initial Calibration

Manual Integrations
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(16) Fluoranthene-d10 (SURR)

18.128min (+0.001) 0.20ng/ul

response 18289

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	18.85
104.00	10.80	10.64
0.00	0.00	0.00

Quantitation Report (Qedit)

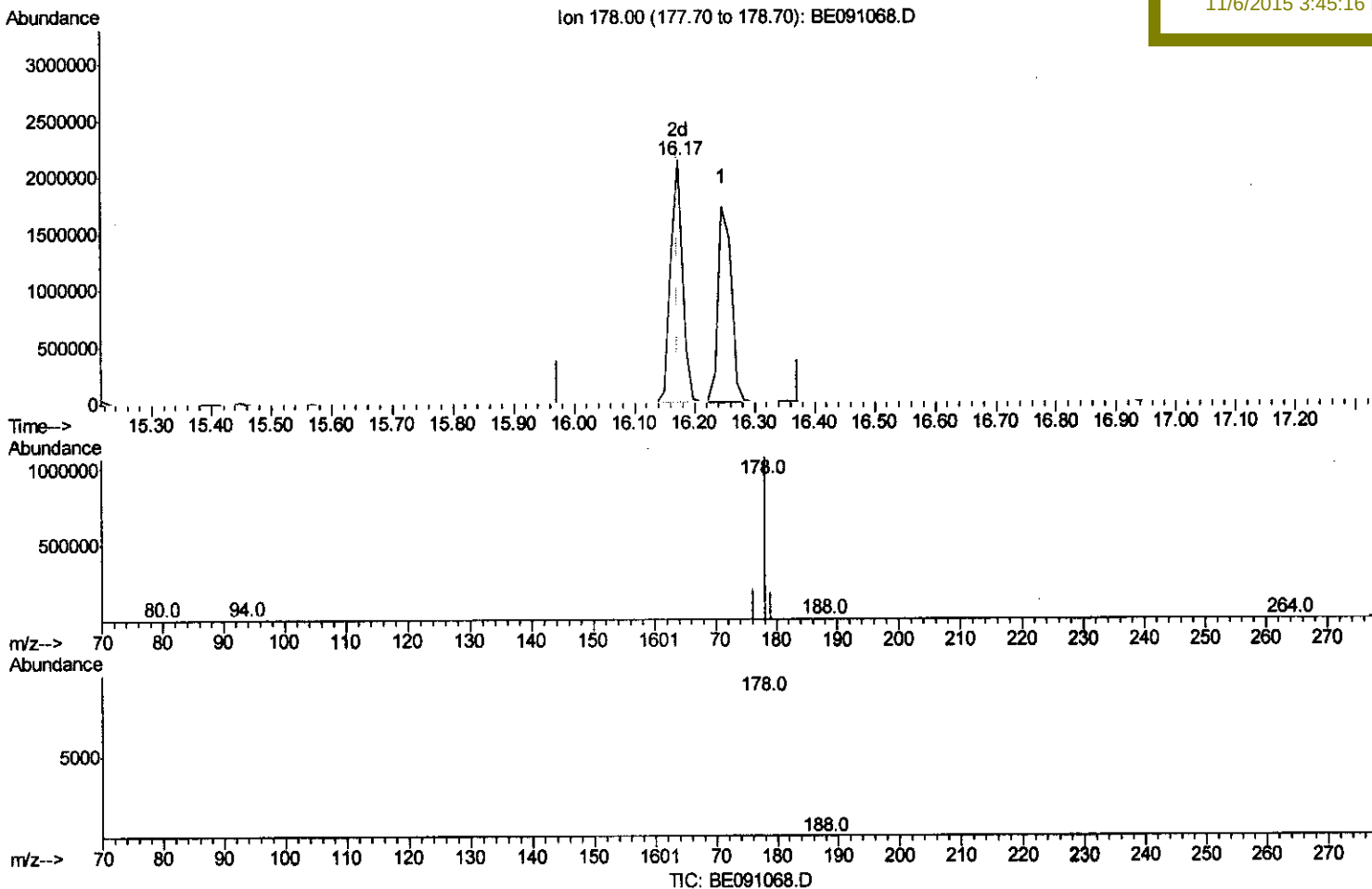
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091068.D
 Acq On : 5 Nov 2015 13:54
 Operator : UM/NP
 Sample : G4273-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP0

Quant Time: Nov 06 05:44:13 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 06 05:41:57 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Mmdadoda
 11/6/2015 3:45:16 PM



(14) Phenanthrene

16.173min (+0.001) 8.04ng/ul m

response 2955313

Ion	Exp%	Act%
178.00	100	100
176.00	20.30	18.60
179.00	16.00	16.20
0.00	0.00	0.00

U. M
 11/06/15

Quantitation Report (Qedit)

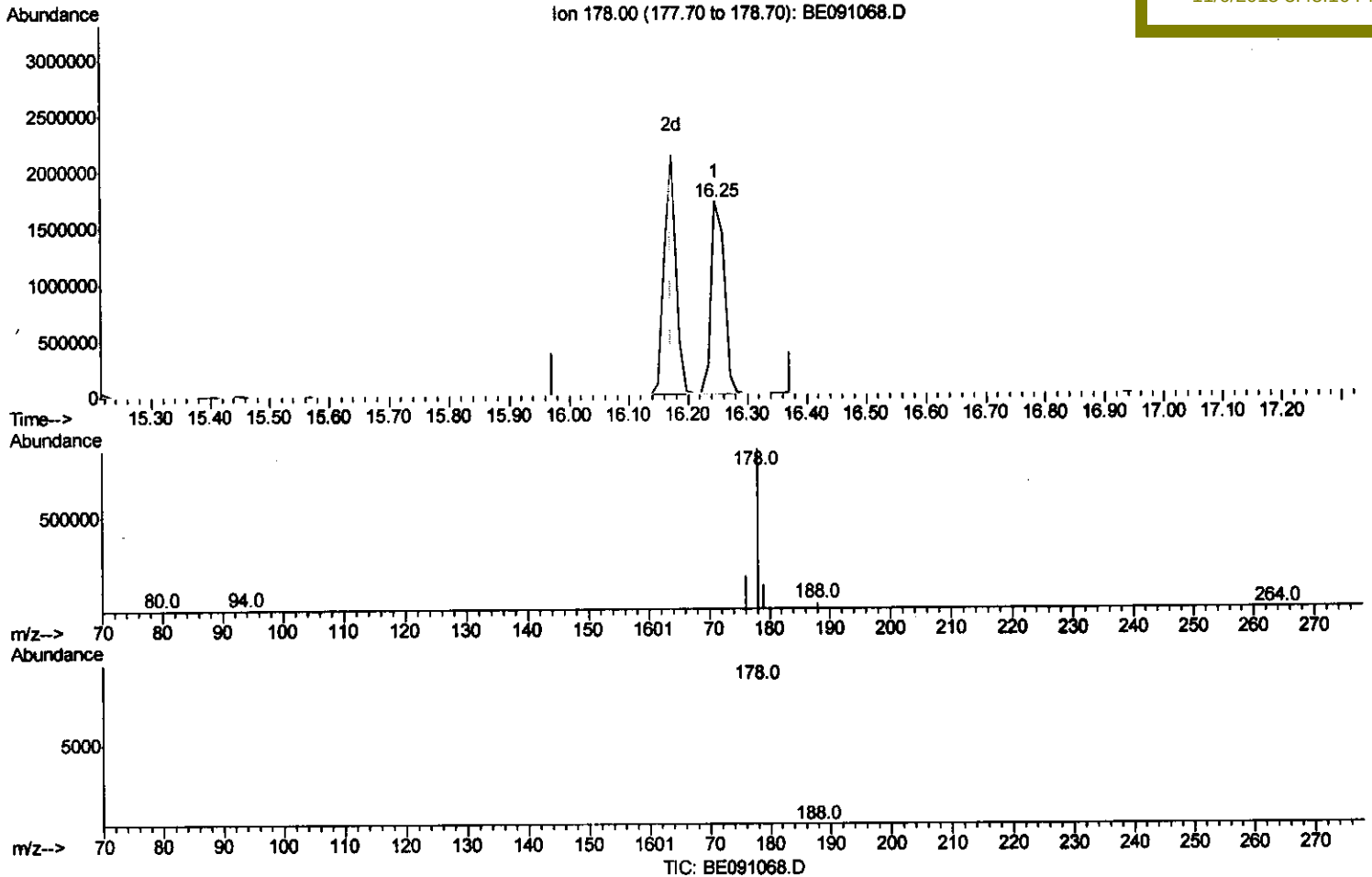
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091068.D
 Acq On : 5 Nov 2015 13:54
 Operator : UM/NP
 Sample : G4273-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP0

Quant Time: Nov 06 05:44:13 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 06 05:41:57 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Mmdadoda
 11/6/2015 3:45:16 PM



(14) Phenanthrene

16.246min (+0.074) 7.10ng/ul

response 2611249

Ion	Exp%	Act%
178.00	100	100
176.00	20.30	20.89
179.00	16.00	15.29
0.00	0.00	0.00

Quantitation Report (Qedit)

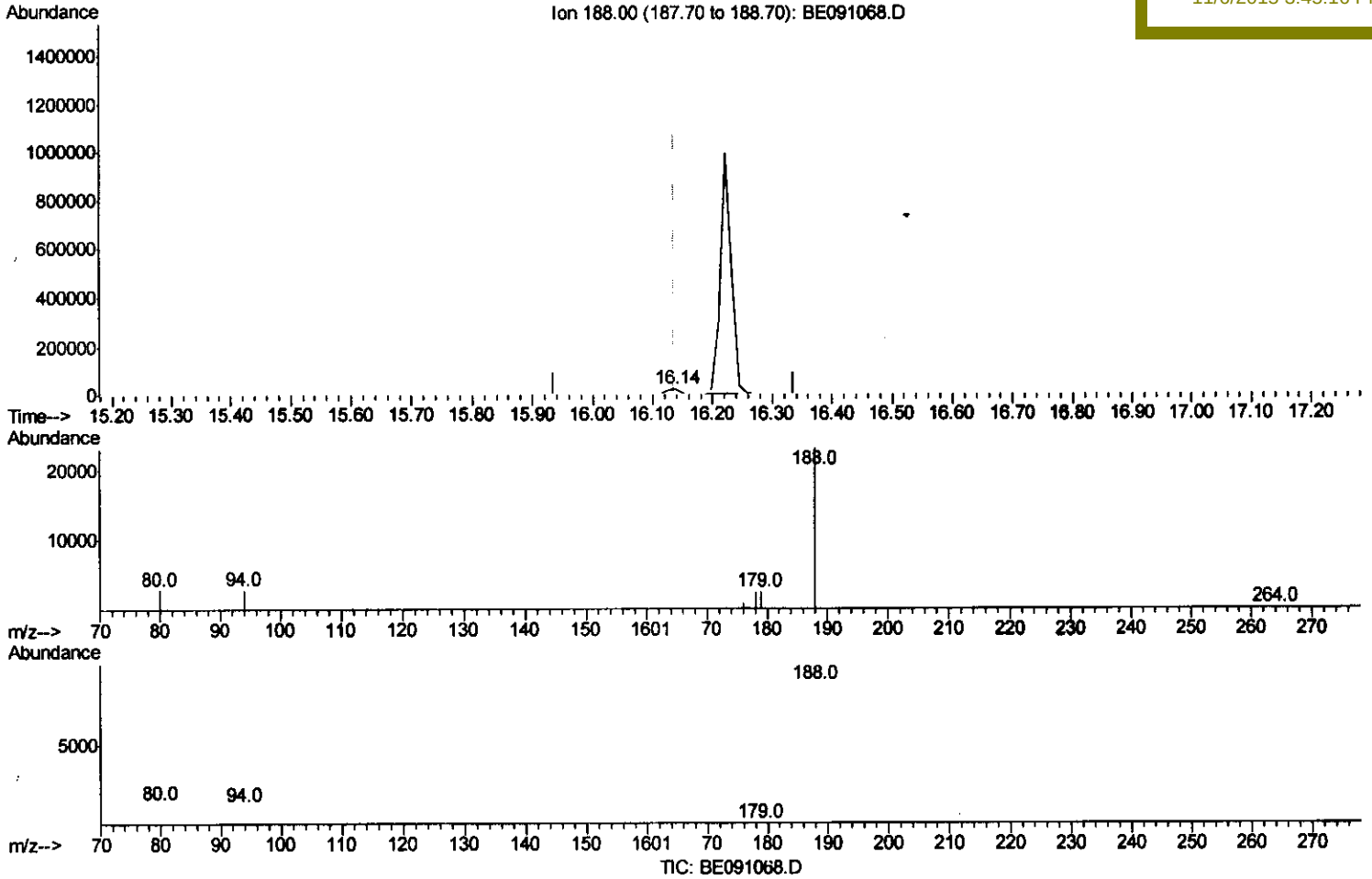
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091068.D
 Acq On : 5 Nov 2015 13:54
 Operator : UM/NP
 Sample : G4273-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP0

Quant Time: Nov 06 05:44:13 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 06 05:41:57 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Mmdadoda
 11/6/2015 3:45:16 PM



(12) Phenanthrene-d10 (I)

16.137min (+0.001) 0.40ng/ul m

response 31841

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	12.06#
80.00	8.90	12.58#
0.00	0.00	0.00

Handwritten signature and date: 11/6/15

Quantitation Report (Qedit)

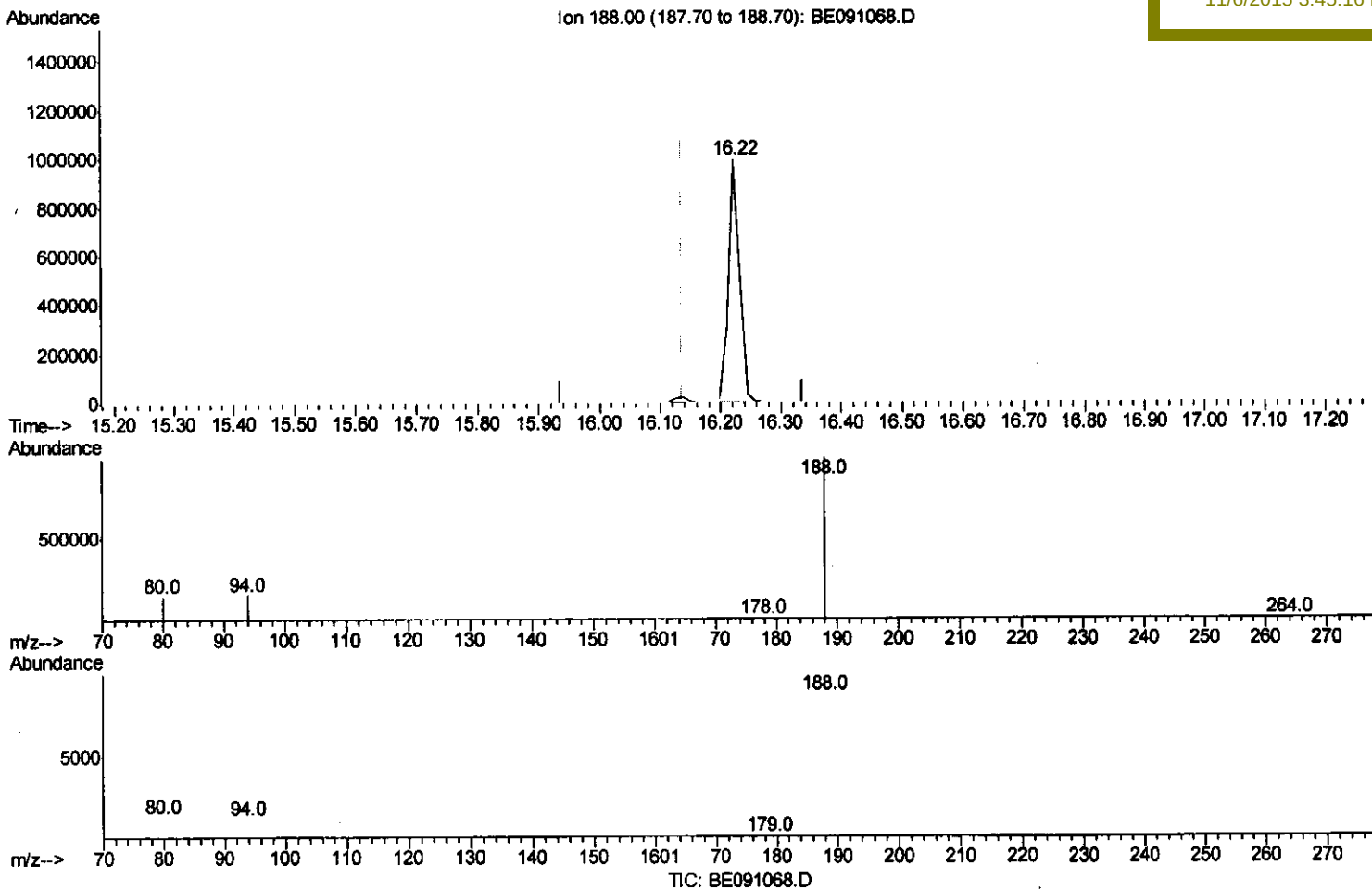
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091068.D
 Acq On : 5 Nov 2015 13:54
 Operator : UM/NP
 Sample : G4273-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 COAPO

Quant Time: Nov 06 05:44:13 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 06 05:41:57 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Mmdadoda
 11/6/2015 3:45:16 PM



(12) Phenanthrene-d10 (I)

16.222min (+0.086) 0.40ng/ul

response 1305340

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	15.67#
80.00	8.90	14.53#
0.00	0.00	0.00