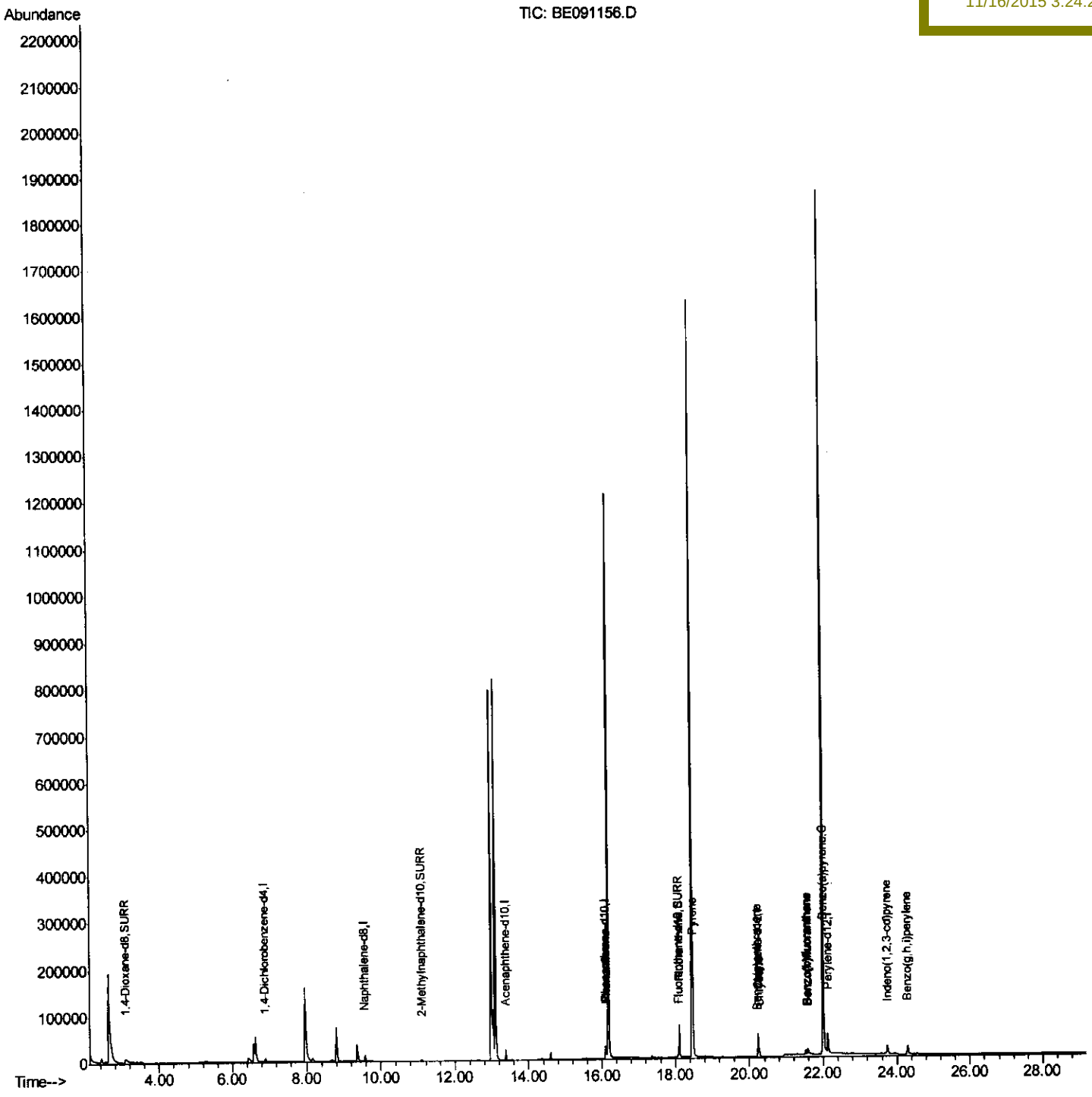
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\Data\BE111315\
Data File : BE091156.D
Acq On : 14 Nov 2015 00:23
Operator : UM/NP
Sample : G4342-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 16 10:53:08 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 : Sat Nov 14 04:34:12 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
D9KP1

Manual Integrations APPROVED
mmdadoda
11/16/2015 3:24:25 PM



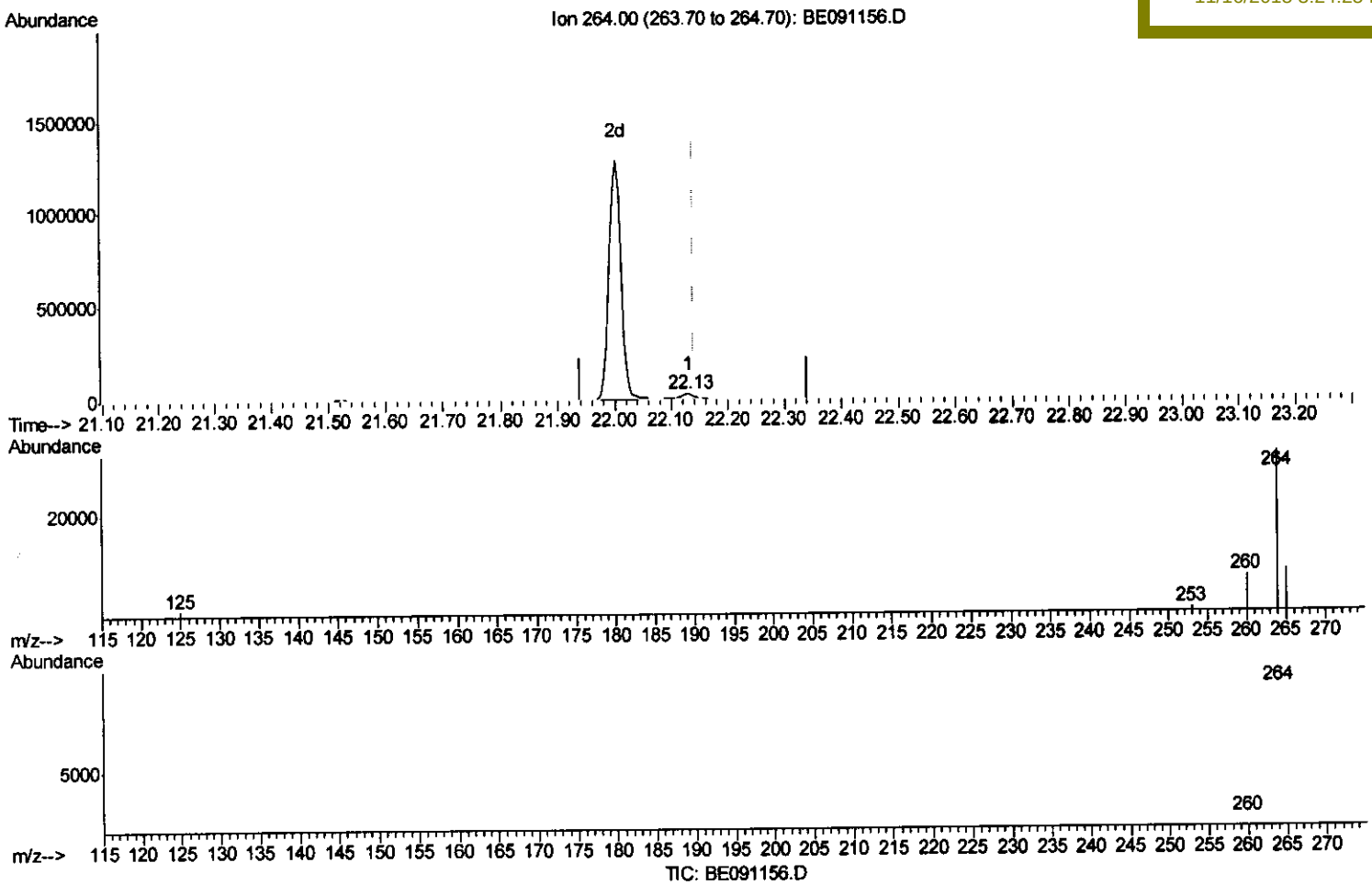
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_E\Data\BE111315\
Data File : BE091156.D
Acq On : 14 Nov 2015 00:23
Operator : UM/NP
Sample : G4342-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 14 05:34:36 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 : Sat Nov 14 04:34:12 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
D9KP1

Manual Integrations APPROVED
mmdadoda
11/16/2015 3:24:25 PM



(22) Perylene-d12 (I)

22.131min (-0.009) 0.40ng/ul

response 58481

Ion	Exp%	Act%
264.00	100	100
260.00	28.90	24.83
265.00	34.70	28.02
0.00	0.00	0.00

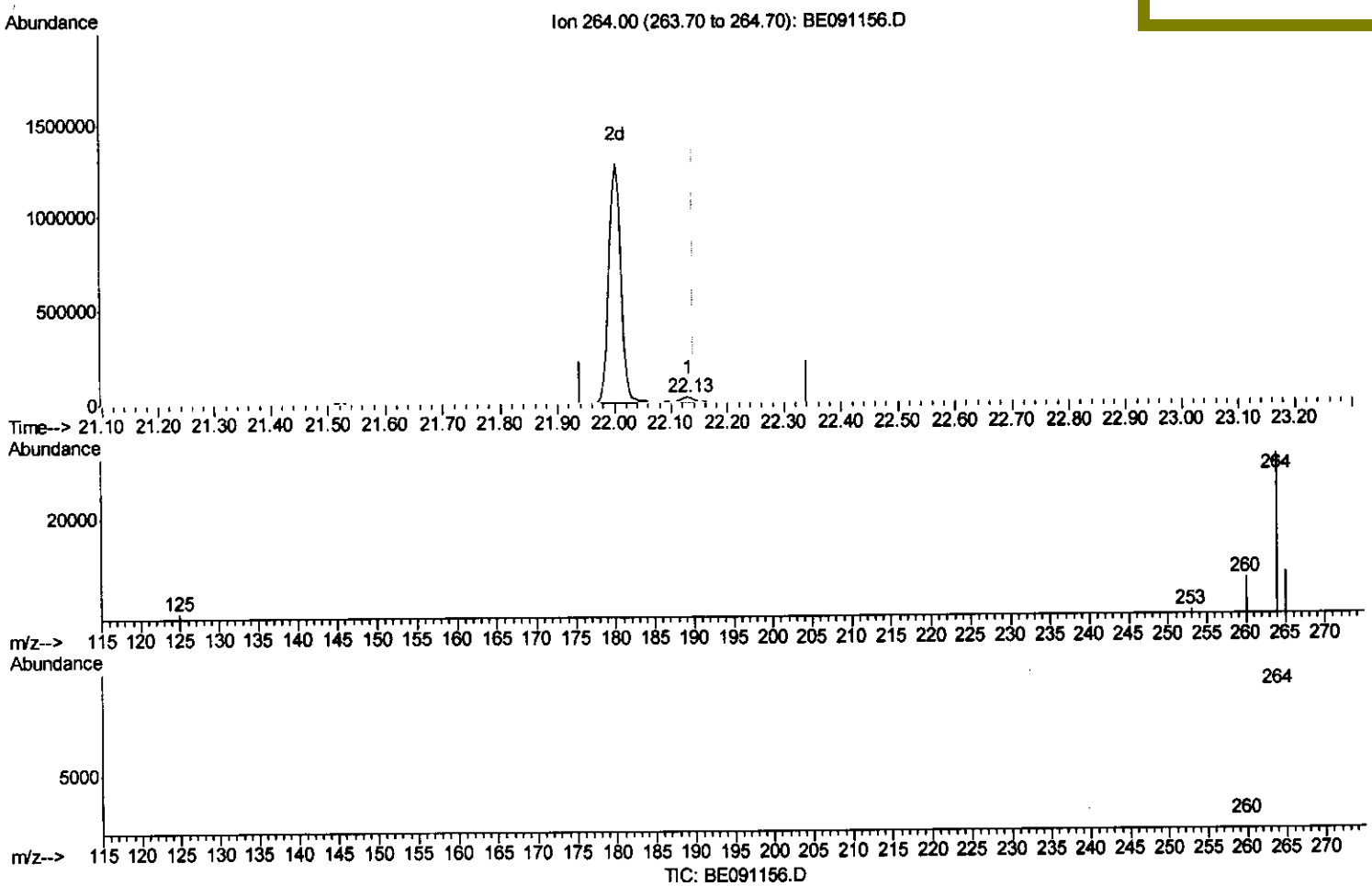
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_E\Data\BE111315\
Data File : BE091156.D
Acq On : 14 Nov 2015 00:23
Operator : UM/NP
Sample : G1342-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 14 05:34:36 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 : Sat Nov 14 04:34:12 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
D9KP1

Manual Integrations APPROVED
mmdadoda
11/16/2015 3:24:25 PM



(22) Perylene-d12 (I)

22.131min (-0.009) 0.40ng/ul m U.M 11/17/15

response 40456

Ion	Exp%	Act%
264.00	100	100
260.00	28.90	24.83
265.00	34.70	28.02
0.00	0.00	0.00

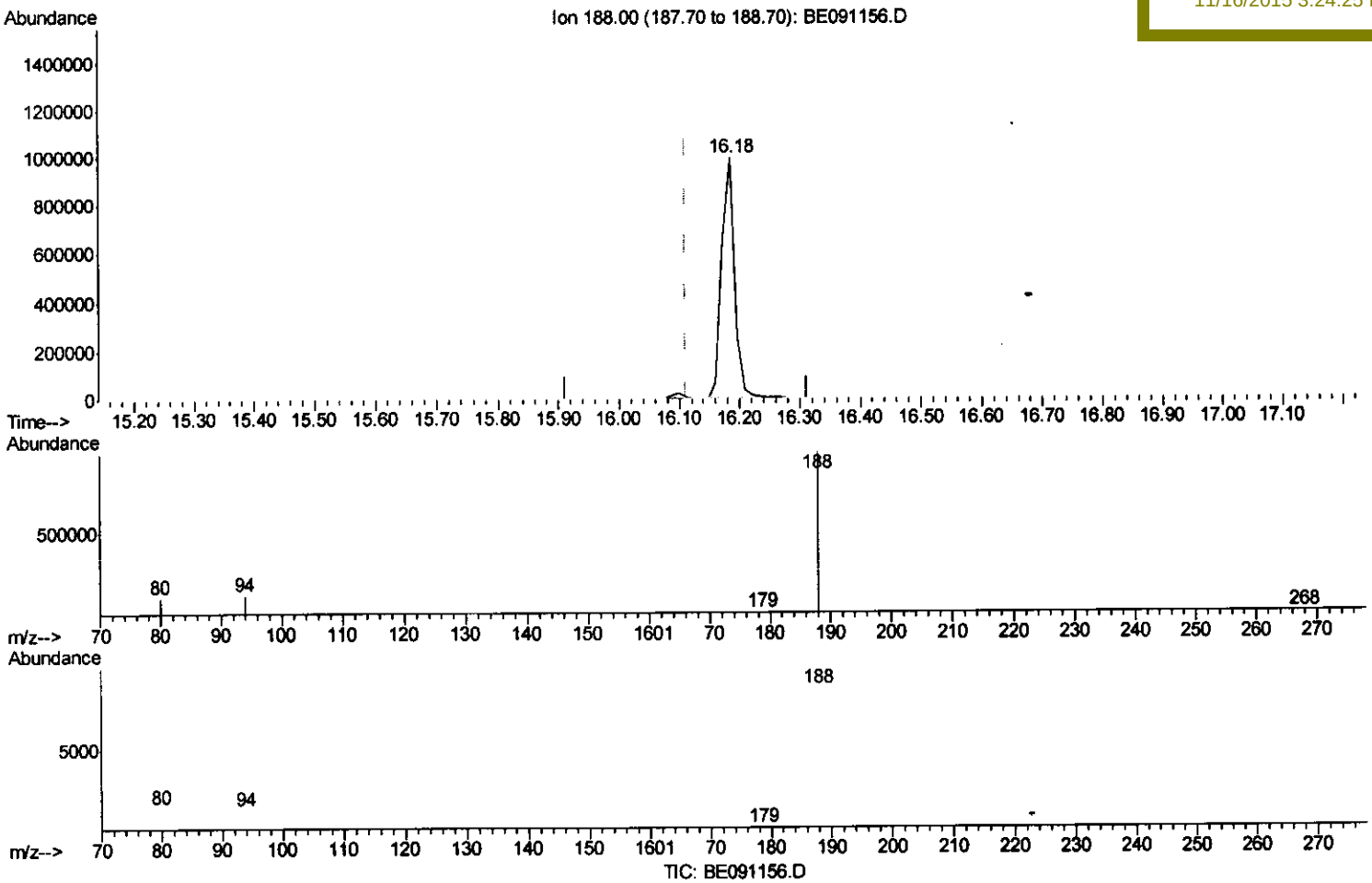
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111315\
Data File : BE091156.D
Acq On : 14 Nov 2015 00:23
Operator : UM/NP
Sample : G1342-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 14 04:36:28 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 : Sat Nov 14 04:34:12 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
D9KP1

Manual Integrations APPROVED
mmdadoda
11/16/2015 3:24:25 PM



(12) Phenanthrene-d10 (I)

16.184min (+0.073) 0.40ng/ul

response 1478701

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	11.23#
80.00	8.90	9.91
0.00	0.00	0.00

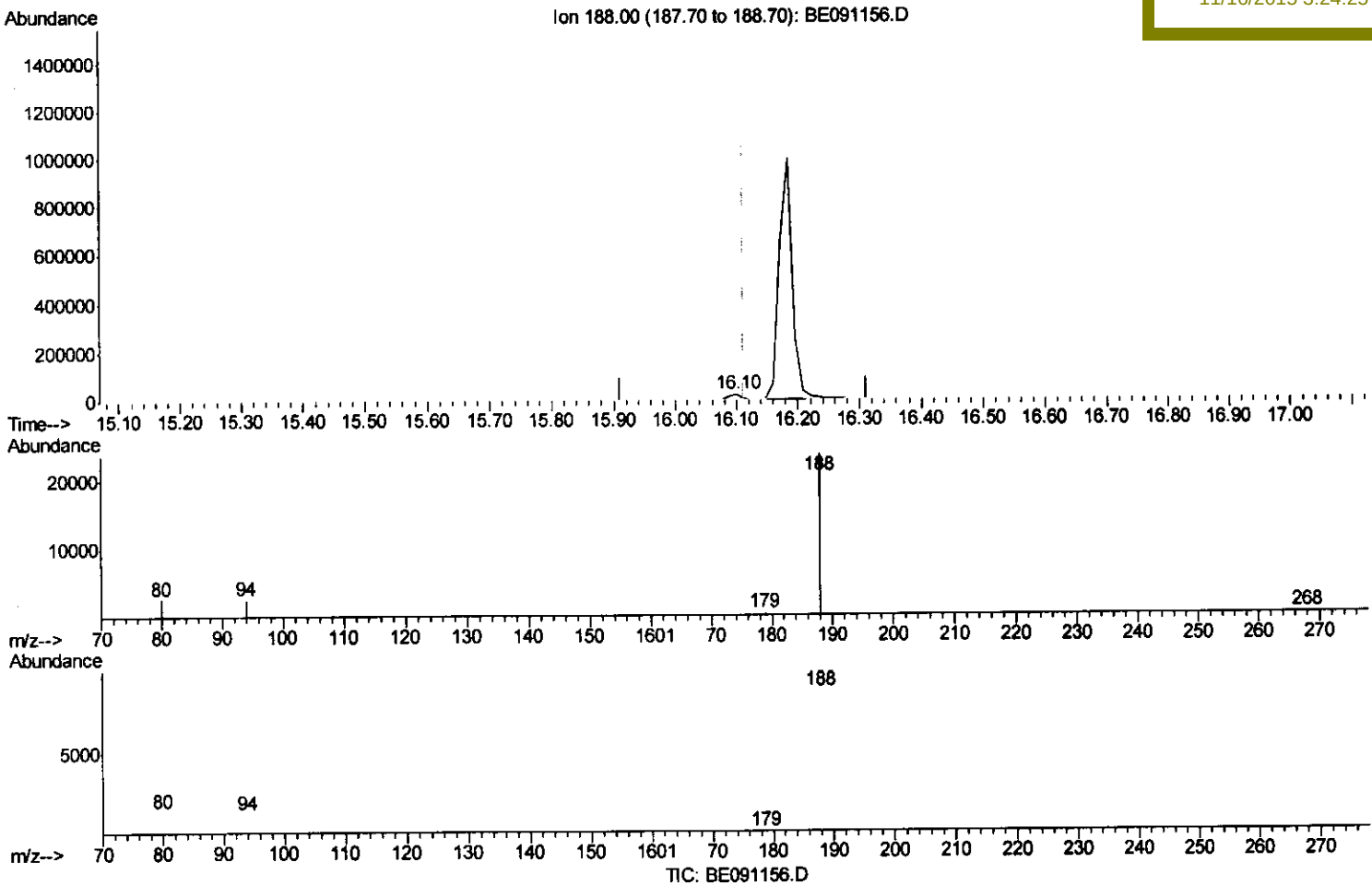
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111315\
Data File : BE091156.D
Acq On : 14 Nov 2015 00:23
Operator : UM/NP
Sample : G4342-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 14 04:36:28 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 : Sat Nov 14 04:34:12 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
D9KP1

Manual Integrations APPROVED
mmdadoda
11/16/2015 3:24:25 PM



TIC: BE091156.D

(12) Phenanthrene-d10 (I)

16.099min (-0.012) 0.40ng/ul m U.M 11/17/15

response 32215

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	10.54
80.00	8.90	10.94#
0.00	0.00	0.00

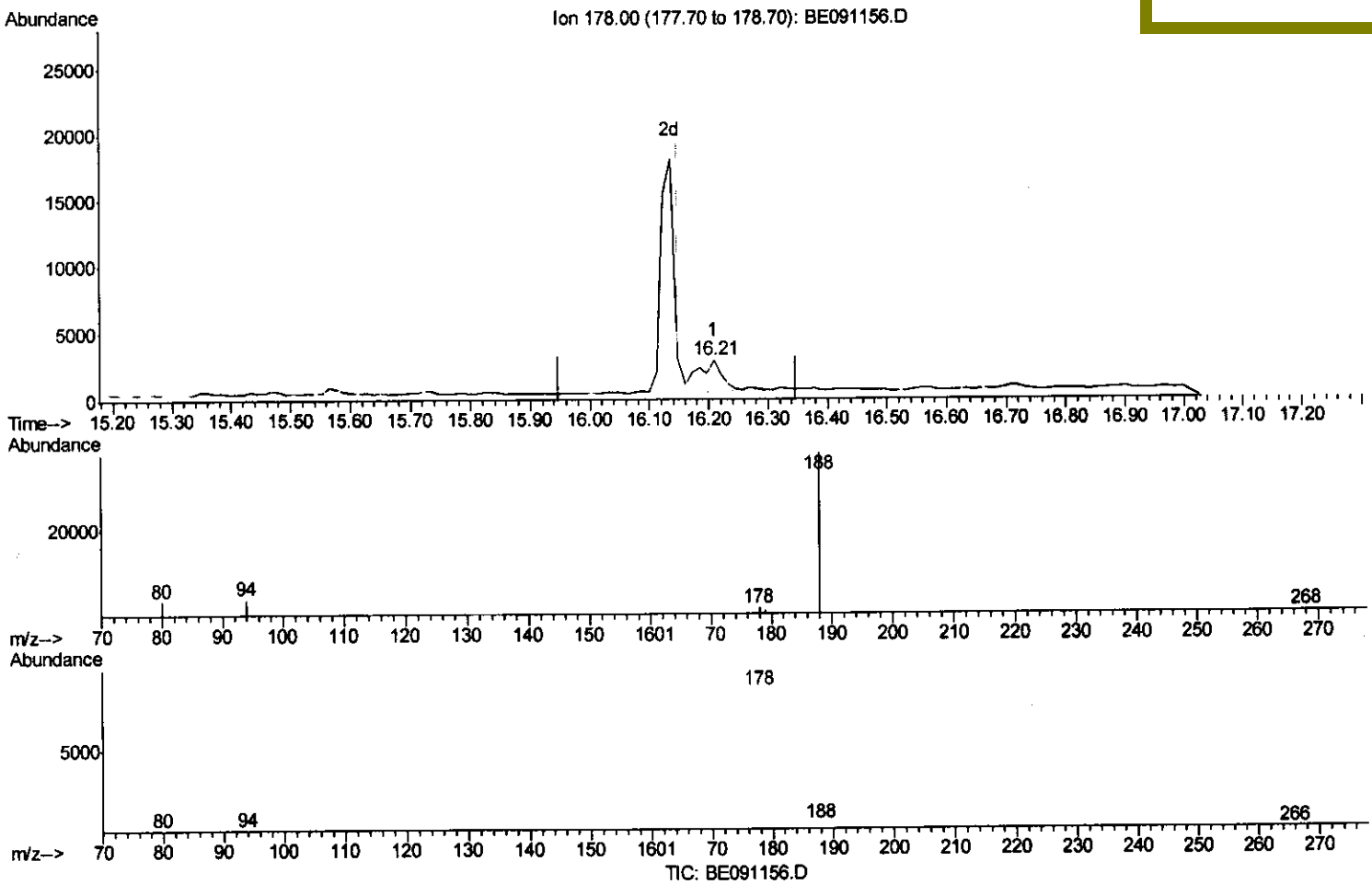
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111315\
Data File : BE091156.D
Acq On : 14 Nov 2015 00:23
Operator : UM/NP
Sample : G4342-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 14 05:33:46 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 : Sat Nov 14 04:34:12 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
D9KP1

Manual Integrations APPROVED
mmdadoda
11/16/2015 3:24:25 PM



TIC: BE091156.D

(14) Phenanthrene

16.209min (+0.061) 0.02ng/ul

response 5783

Ion	Exp%	Act%
178.00	100	100
176.00	20.30	29.05#
179.00	16.00	57.23#
0.00	0.00	0.00

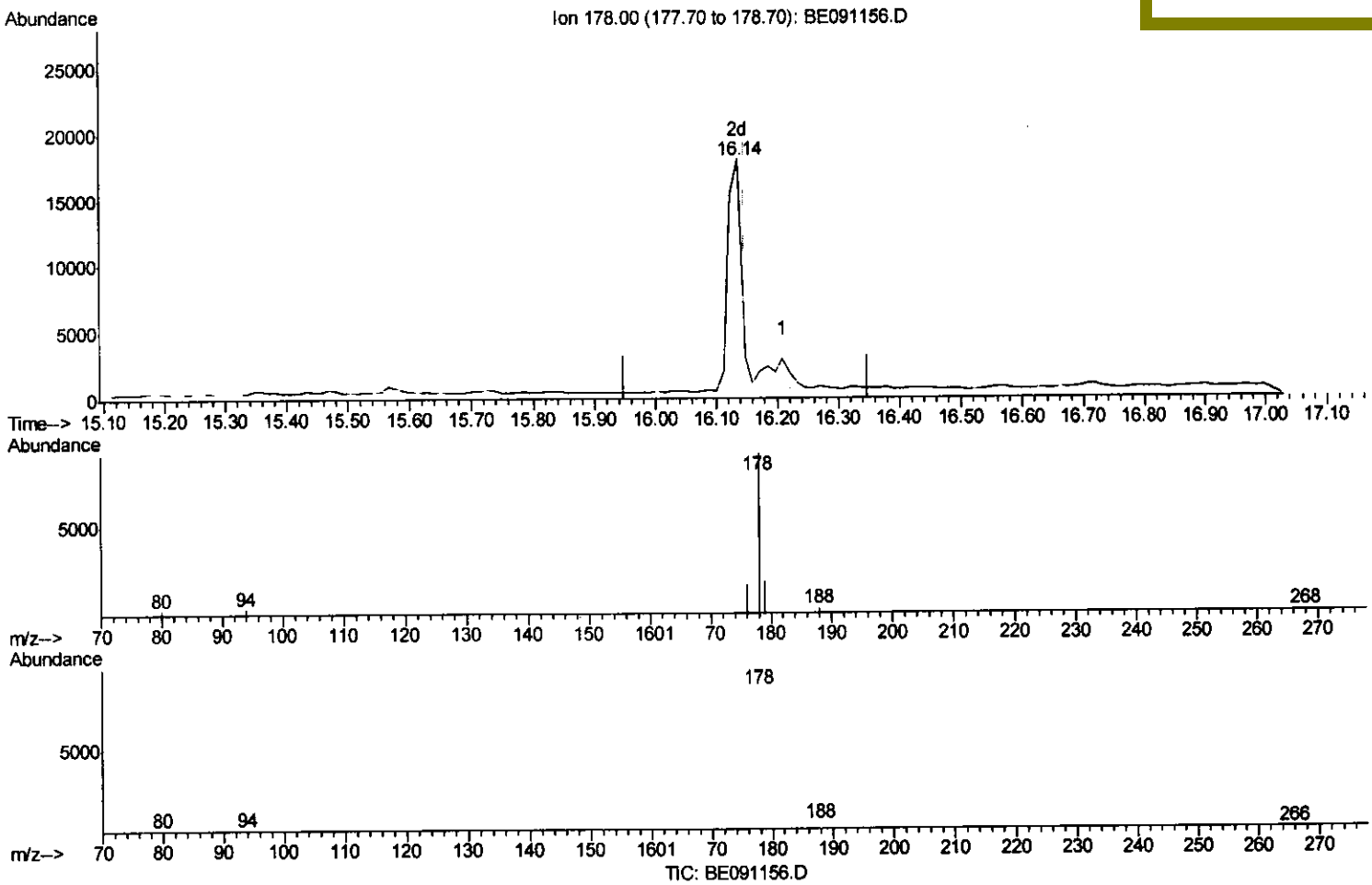
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111315\
Data File : BE091156.D
Acq On : 14 Nov 2015 00:23
Operator : UM/NP
Sample : G4342-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 14 05:33:46 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 : Sat Nov 14 04:34:12 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
D9KP1

Manual Integrations APPROVED
mmdadoda
11/16/2015 3:24:25 PM



TIC: BE091156.D

(14) Phenanthrene

16.136min (-0.012) 0.07ng/ul m V.M 11/17/15

response 27278

Ion	Exp%	Act%
178.00	100	100
176.00	20.30	18.52
179.00	16.00	20.11#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\Data\BE111315\
Data File : BE091156.D
Acq On : 14 Nov 2015 00:23
Operator : UM/NP
Sample : G4342-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 16 10:53:08 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 : Sat Nov 14 04:34:12 2015
Response via : Initial Calibration

Instrument : BNA_E
ClientSampleId : D9KP1

Manual Integrations APPROVED
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11/16/2015 3:24:25 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	4022	0.40	ng/ul	-0.07
4) Naphthalene-d8	9.57	136	20572	0.40	ng/ul	-0.05
8) Acenaphthene-d10	13.38	164	13266	0.40	ng/ul	-0.02
12) Phenanthrene-d10	16.10	188	32215m	0.40	ng/ul	-0.01
18) Chrysene-d12	20.24	240	47932	0.40	ng/ul	0.00
22) Perylene-d12	22.13	264	40456m	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.08	96	19887	6.87	ng/uL	-0.07
6) 2-Methylnaphthalene-d10	11.09	152	6106	0.22	ng/ul	-0.03
16) Fluoranthene-d10	18.09	212	19753	0.22	ng/ul	0.00
Target Compounds						Qvalue
14) Phenanthrene	16.14	178	27278m	0.07	ng/ul	
17) Fluoranthene	18.11	202	78595	0.18	ng/ul	89
19) Pyrene	18.49	202	88661	0.16	ng/ul#	76
20) Benzo(a)anthracene	20.21	228	6299	0.05	ng/ul#	94
21) Chrysene	20.27	228	13905	0.10	ng/ul#	96
23) Benzo(b)fluoranthene	21.57	252	13656	0.11	ng/ul	73
24) Benzo(k)fluoranthene	21.60	252	9503	0.07	ng/ul#	67
25) Benzo(a)pyrene	22.03	252	9882	0.08	ng/ul#	67
26) Indeno(1,2,3-cd)pyrene	23.74	276	30977	0.06	ng/ul#	88
28) Benzo(g,h,i)perylene	24.30	276	35545	0.07	ng/ul#	88

U.M 11/17/15

U.M 11/17/15

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