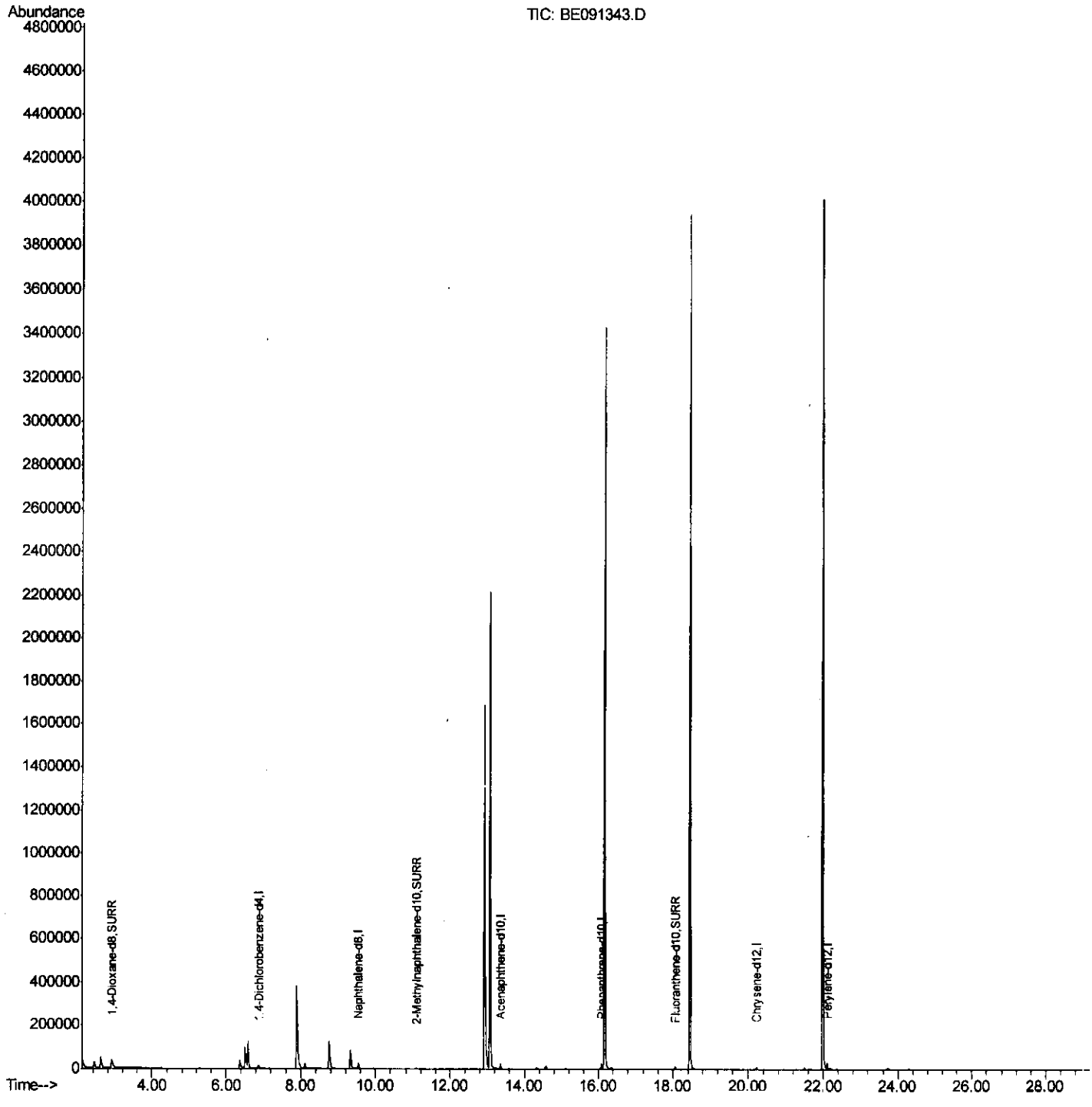
Quantitation Report (QT Reviewed)

Data Path : U:\HPCHEM1\BNA E\DATA\BE121515\
Data File : BE091343.D
Acq On : 15 Dec 2015 4:10
Operator : UM/SJ
Sample : PB87220BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 15 08:06:55 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 15 04:50:57 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
PB87220BL

Manual Integrations APPROVED
MMdadoda
12/15/2015 6:15:15 PM



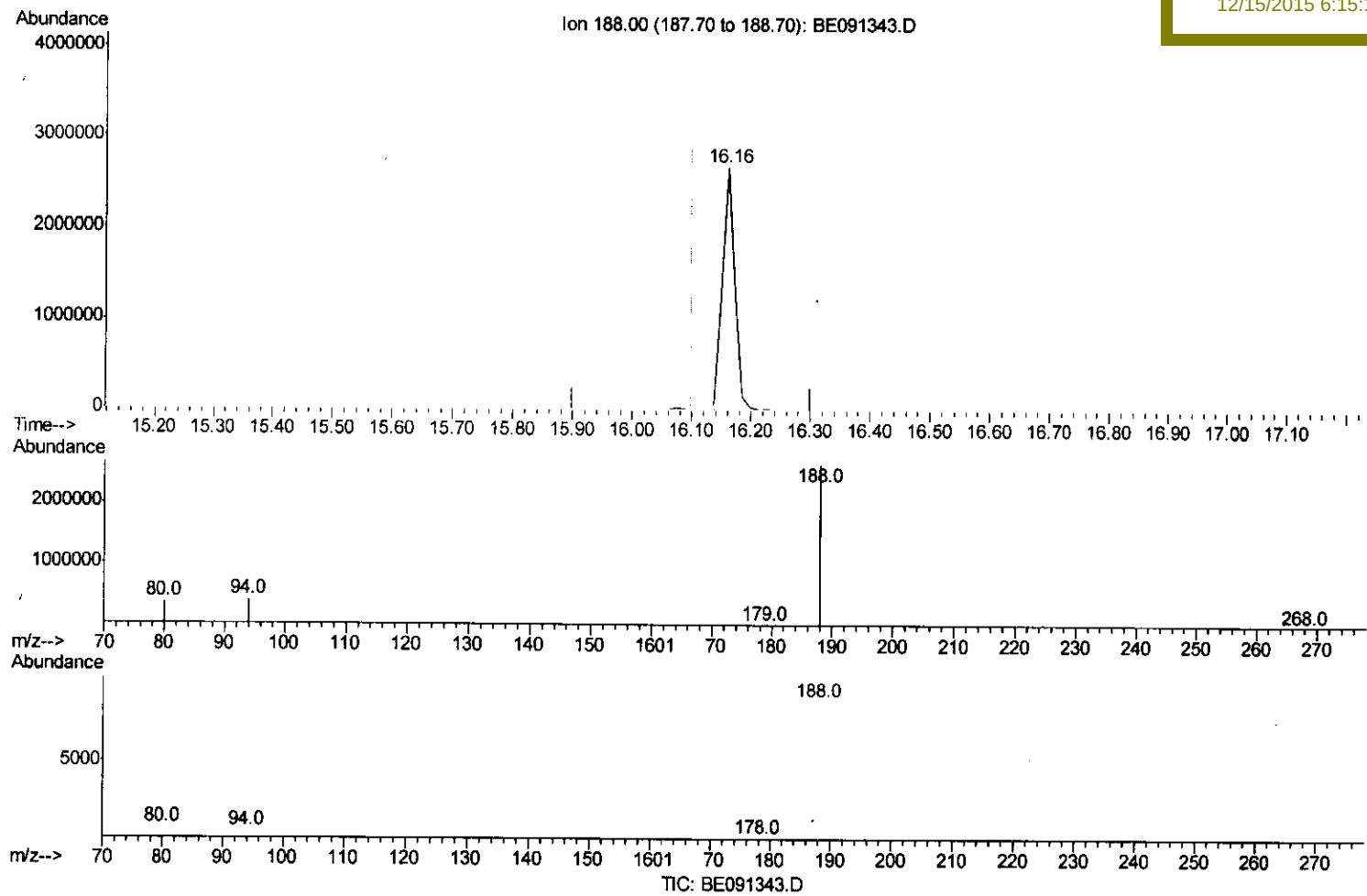
Quantitation Report (Qedit)

Data Path : U:\HPCHEM1\BNA E\DATA\BE121515\
Data File : BE091343.D
Acq On : 15 Dec 2015 4:10
Operator : UM/SJ
Sample : PB87220BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 15 07:58:32 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 15 04:50:57 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
PB87220BL

Manual Integrations APPROVED
MMdadoda
12/15/2015 6:15:15 PM



TIC: BE091343.D

(12) Phenanthrene-d10 (I)

16.160min (+0.061) 0.40ng/ul

response 3802872

Ion	Exp%	Act%
188.00	100	100
94.00	9.90	14.56#
80.00	12.70	13.28
0.00	0.00	0.00

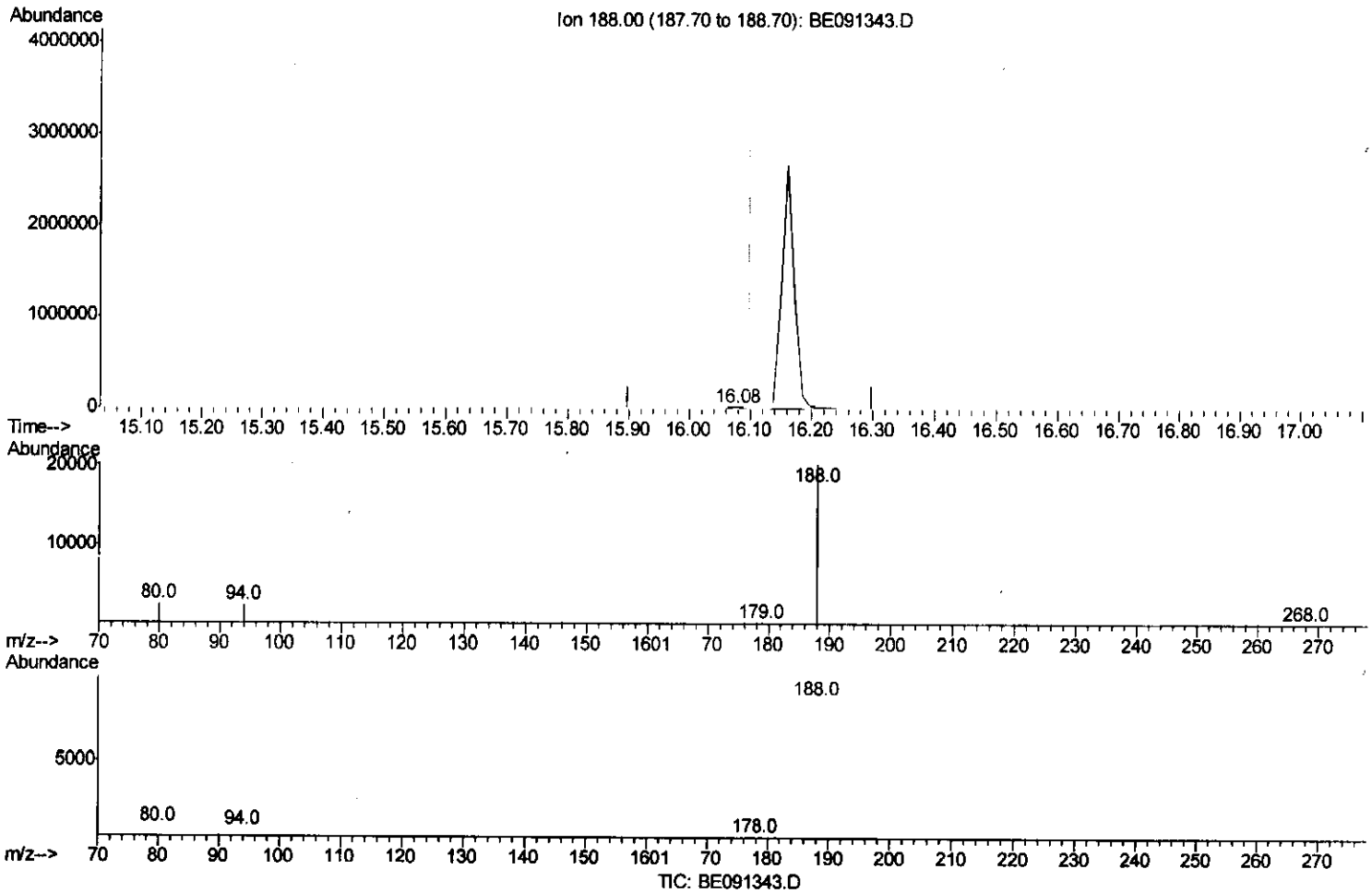
Quantitation Report (Qedit)

Data Path : U:\HPCHEM1\BNA E\DATA\BE121515\
Data File : BE091343.D
Acq On : 15 Dec 2015 4:10
Operator : UM/SJ
Sample : PB87220BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 15 07:58:32 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 15 04:50:57 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
PB87220BL

Manual Integrations APPROVED
MMdadoda
12/15/2015 6:15:15 PM



(12) Phenanthrene-d10 (I)

16.076min (-0.024) 0.40ng/ul m UM 12/16/15

response 26392

Ion	Exp%	Act%
188.00	100	100
94.00	9.90	11.50
80.00	12.70	12.09
0.00	0.00	0.00

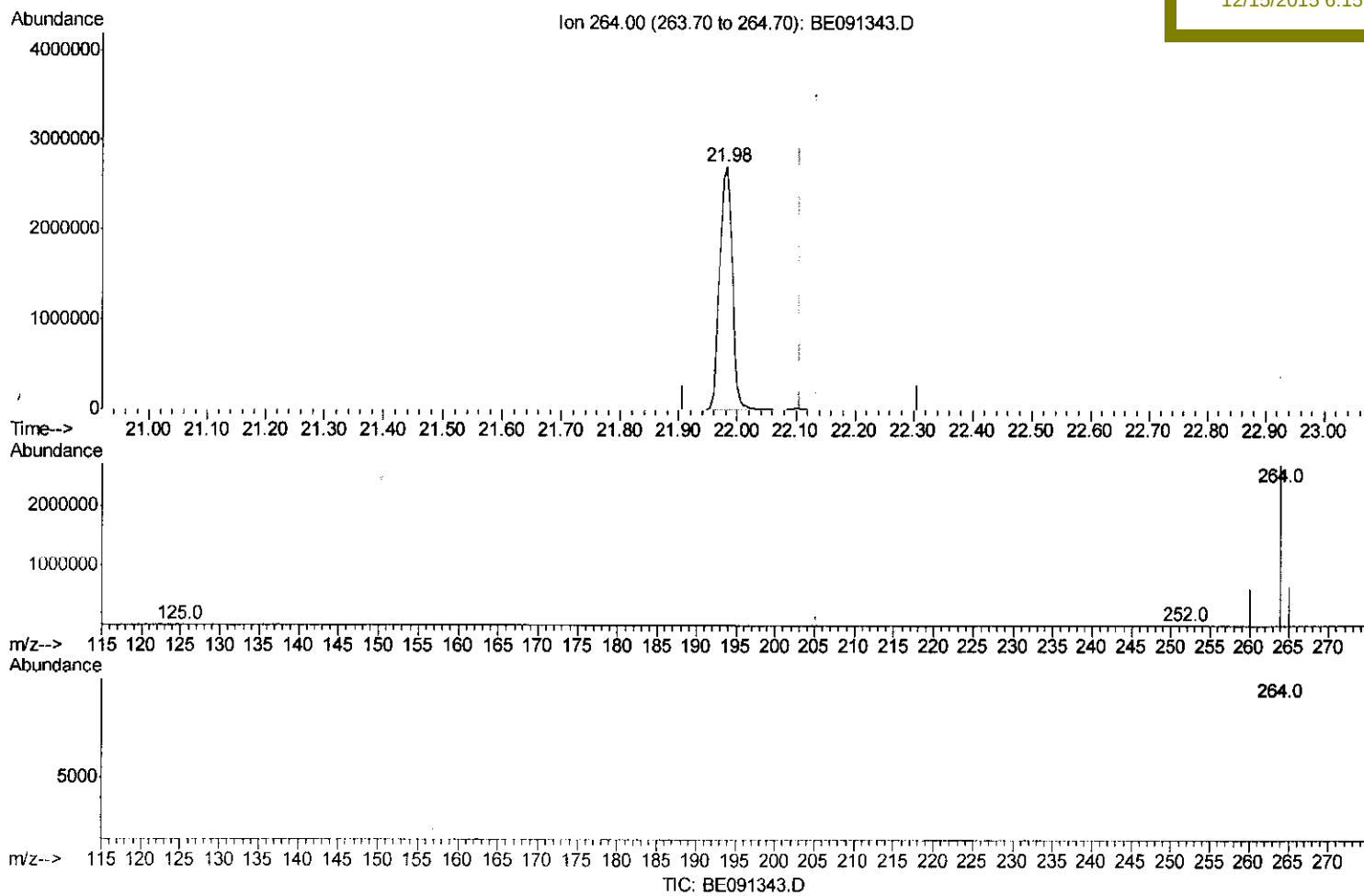
Quantitation Report (Qedit)

Data Path : U:\HPCHEM1\BNA E\DATA\BM121515\
Data File : BE091343.D
Acq On : 15 Dec 2015 4:10
Operator : UM/SJ
Sample : PB87220BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 15 08:06:02 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 15 04:50:57 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
PB87220BL

Manual Integrations APPROVED
MMdadoda
12/15/2015 6:15:15 PM



TIC: BE091343.D

(22) Perylene-d12 (I)

21.981min (-0.127) 0.40ng/ul

response 4040389

Ion	Exp%	Act%
264.00	100	100
260.00	26.50	23.43
265.00	27.20	24.19
0.00	0.00	0.00

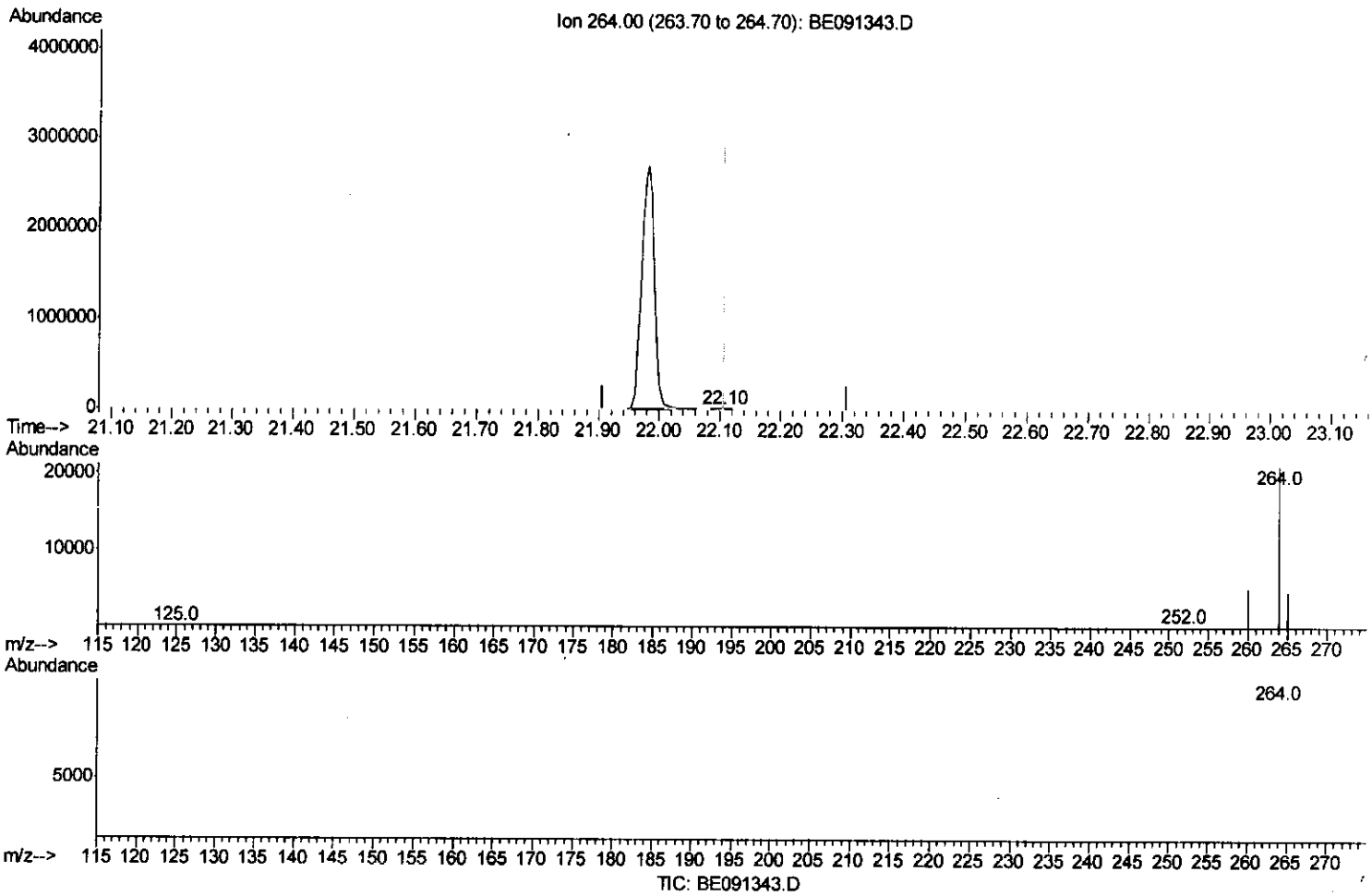
Quantitation Report (Qedit)

Instrument :
BNA_E
ClientSampleId :
PB87220BL

Manual Integrations APPROVED
MMdadoda
12/15/2015 6:15:15 PM

Data Path : U:\HPCHEM1\BNA E\DATA\BE121515\
Data File : BE091343.D
Acq On : 15 Dec 2015 4:10
Operator : UM/SJ
Sample : PB87220BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 15 08:06:02 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 15 04:50:57 2015
Response via : Initial Calibration



TIC: BE091343.D

(22) Perylene-d12 (I)

22.104min (-0.004) 0.40ng/ul m U.M 12/16/15

response 42500

Ion	Exp%	Act%
264.00	100	100
260.00	26.50	24.77
265.00	27.20	23.11
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : U:\HPCHEM1\BNA E\DATA\BE121515\
Data File : BE091343.D
Acq On : 15 Dec 2015 4:10
Operator : UM/SJ
Sample : PB87220BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 15 08:06:55 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 15 04:50:57 2015
Response via : Initial Calibration

Instrument : BNA_E
ClientSampleId : PB87220BL

Manual Integrations APPROVED
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12/15/2015 6:15:15 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	7760	0.40	ng/ul	-0.07
4) Naphthalene-d8	9.54	136	36922	0.40	ng/ul	-0.04
8) Acenaphthene-d10	13.36	164	10746	0.40	ng/ul	-0.01
12) Phenanthrene-d10	16.08	188	26392m	0.40	ng/ul	-0.02
18) Chrysene-d12	20.23	240	14850	0.40	ng/ul	0.00
22) Perylene-d12	22.10	264	42500m	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.90	96	52920	9.70	ng/uL	-0.05
6) 2-Methylnaphthalene-d10	11.08	152	6354	0.26	ng/ul	0.00
16) Fluoranthene-d10	18.06	212	13210	0.29	ng/ul	-0.01
Target Compounds						Qvalue

U.M 12/16/15

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