Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\Data\BE111615\
Data File : BE091182.D
Acq On : 16 Nov 2015 13:54
Operator : UM/NP
Sample : G4309-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 17 16:04:50 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 : Mon Nov 16 04:54:02 2015
Response via : Initial Calibration

Instrument : BNA_E
ClientSampleId : D9KQ0

Manual Integrations APPROVED
mmdadoda
11/17/2015 5:54:33 PM

Internal Standards	R.T.	Qion	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	4035	0.40	ng/ul	-0.05
4) Naphthalene-d8	9.56	136	20618	0.40	ng/ul	-0.03
8) Acenaphthene-d10	13.37	164	12496	0.40	ng/ul	-0.01
12) Phenanthrene-d10	16.09	188	30978m	0.40	ng/ul	-0.01
18) Chrysene-d12	20.23	240	54748	0.40	ng/ul	0.00
22) Perylene-d12	22.12	264	47066m	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.02	96	21404	7.37	ng/uL	-0.07
6) 2-Methylnaphthalene-d10	11.07	152	7054	0.25	ng/ul	-0.02
16) Fluoranthene-d10	18.08	212	21916	0.25	ng/ul	0.00
Target Compounds						Qvalue
14) Phenanthrene	16.12	178	41230	0.12	ng/ul	98
17) Fluoranthene	18.10	202	101344	0.24	ng/ul	88
20) Benzo(a)anthracene	20.20	228	8705m	0.06	ng/ul	
21) Chrysene	20.26	228	14797	0.09	ng/ul	98
23) Benzo(b)fluoranthene	21.56	252	16756	0.11	ng/ul	94
24) Benzo(k)fluoranthene	21.59	252	9120	0.06	ng/ul#	89
25) Benzo(a)pyrene	22.02	252	11978	0.09	ng/ul#	93
26) Indeno(1,2,3-cd)pyrene	23.72	276	34324	0.06	ng/ul#	90
28) Benzo(g,h,i)perylene	24.27	276	40344	0.07	ng/ul	93

UM 11/17/15

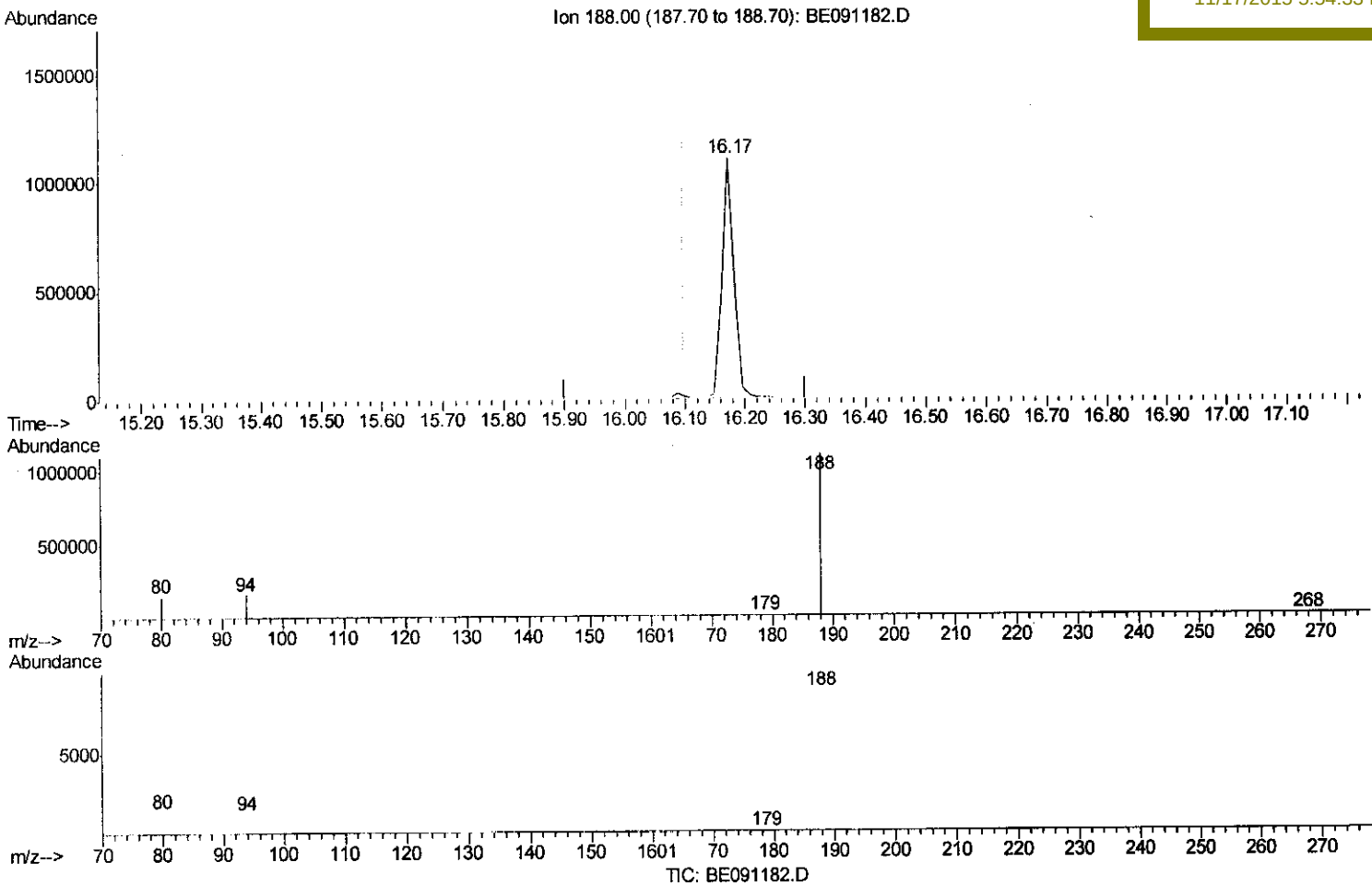
(#) = qualifier out of range (m) manual integration (+) signals summed

Data Path : Z:\HPCHEM1\BNA_E\Data\BE111615\
Data File : BE091182.D
Acq On : 16 Nov 2015 13:54
Operator : UM/NP
Sample : G4309-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 17 10:34:52 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 : Mon Nov 16 04:54:02 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
D9KQ0

Manual Integrations APPROVED
mmdadoda
11/17/2015 5:54:33 PM



TIC: BE091182.D

(12) Phenanthrene-d10 (I)

16.173min (+0.073) 0.40ng/ul

response 1542370

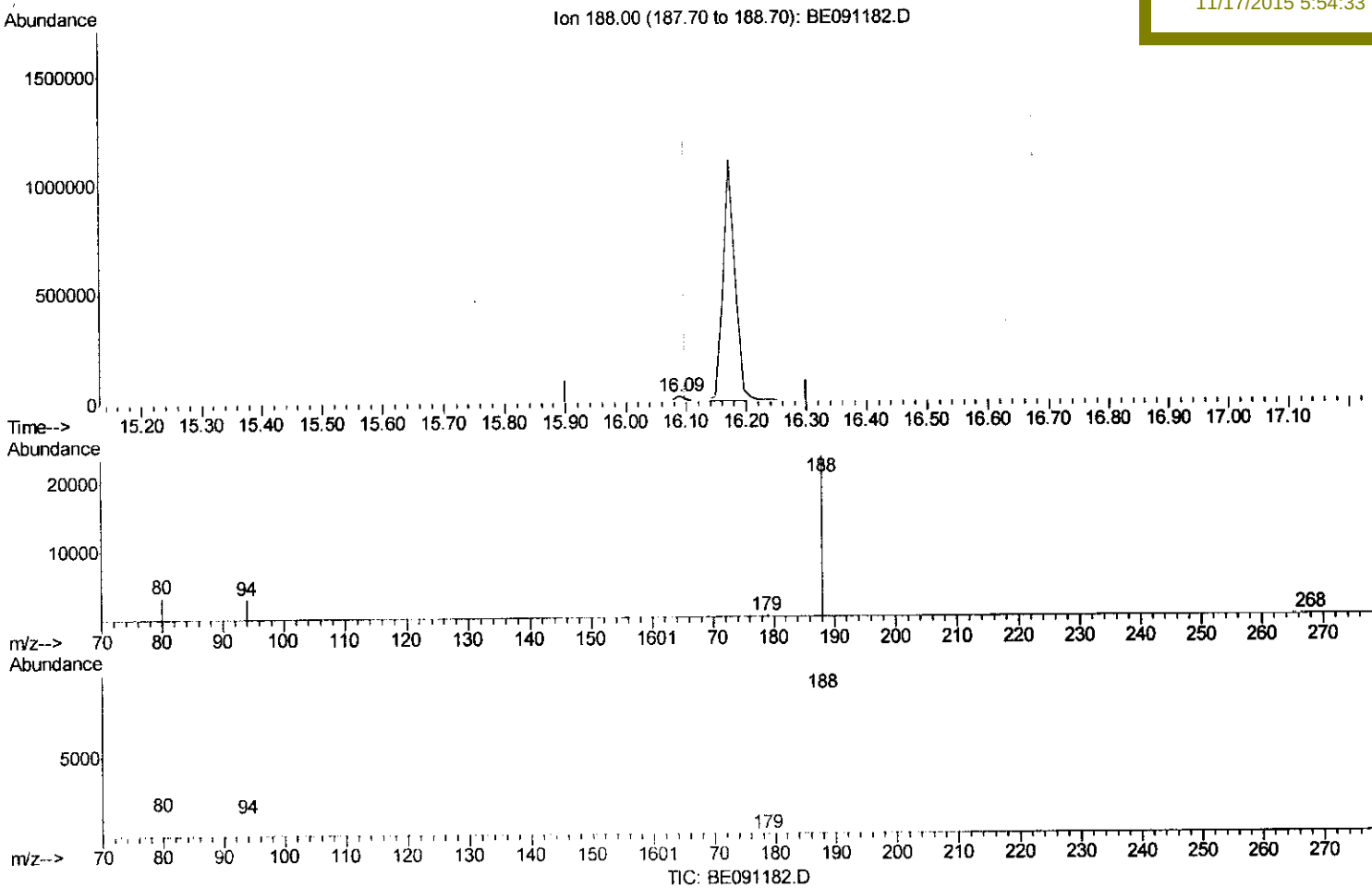
Ion	Exp%	Act%
188.00	100	100
94.00	9.00	14.38#
80.00	8.90	13.15#
0.00	0.00	0.00

Data Path : X:\HPCHEM1\BNA_E\Data\BE111615\
Data File : BE091182.D
Acq On : 16 Nov 2015 13:54
Operator : UM/NP
Sample : G4309-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 17 10:34:52 2015
Quant Method : X:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 16 04:54:02 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
D9KQ0

Manual Integrations APPROVED
mmdadoda
11/17/2015 5:54:33 PM



(12) Phenanthrene-d10 (I)

16.088min (-0.012) 0.40ng/ul m

response 30978

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	13.03#
80.00	8.90	14.10#
0.00	0.00	0.00

11/17/15

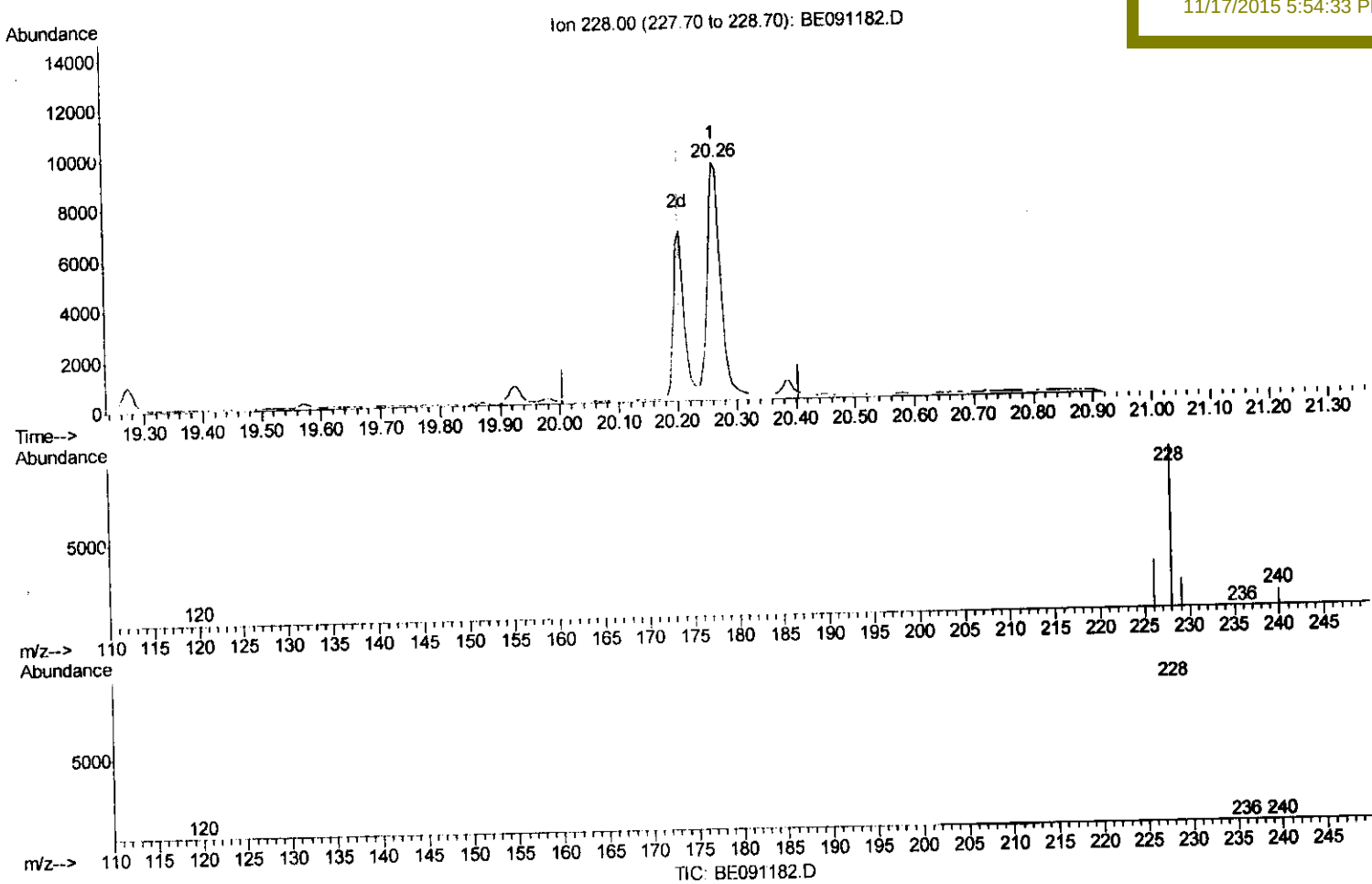
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_E\Data\BE111615\
Data File : BE091182.D
Acq On : 16 Nov 2015 13:54
Operator : UM/NP
Sample : G4309-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 17 16:03:07 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 : Mon Nov 16 04:54:02 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
D9KQ0

Manual Integrations APPROVED
mmdadoda
11/17/2015 5:54:33 PM



(20) Benzo(a)anthracene

20.264min (+0.058) 0.10ng/ul

response 14532

Ion	Exp%	Act%
228.00	100	100
226.00	28.70	31.85
229.00	19.00	21.13
0.00	0.00	0.00

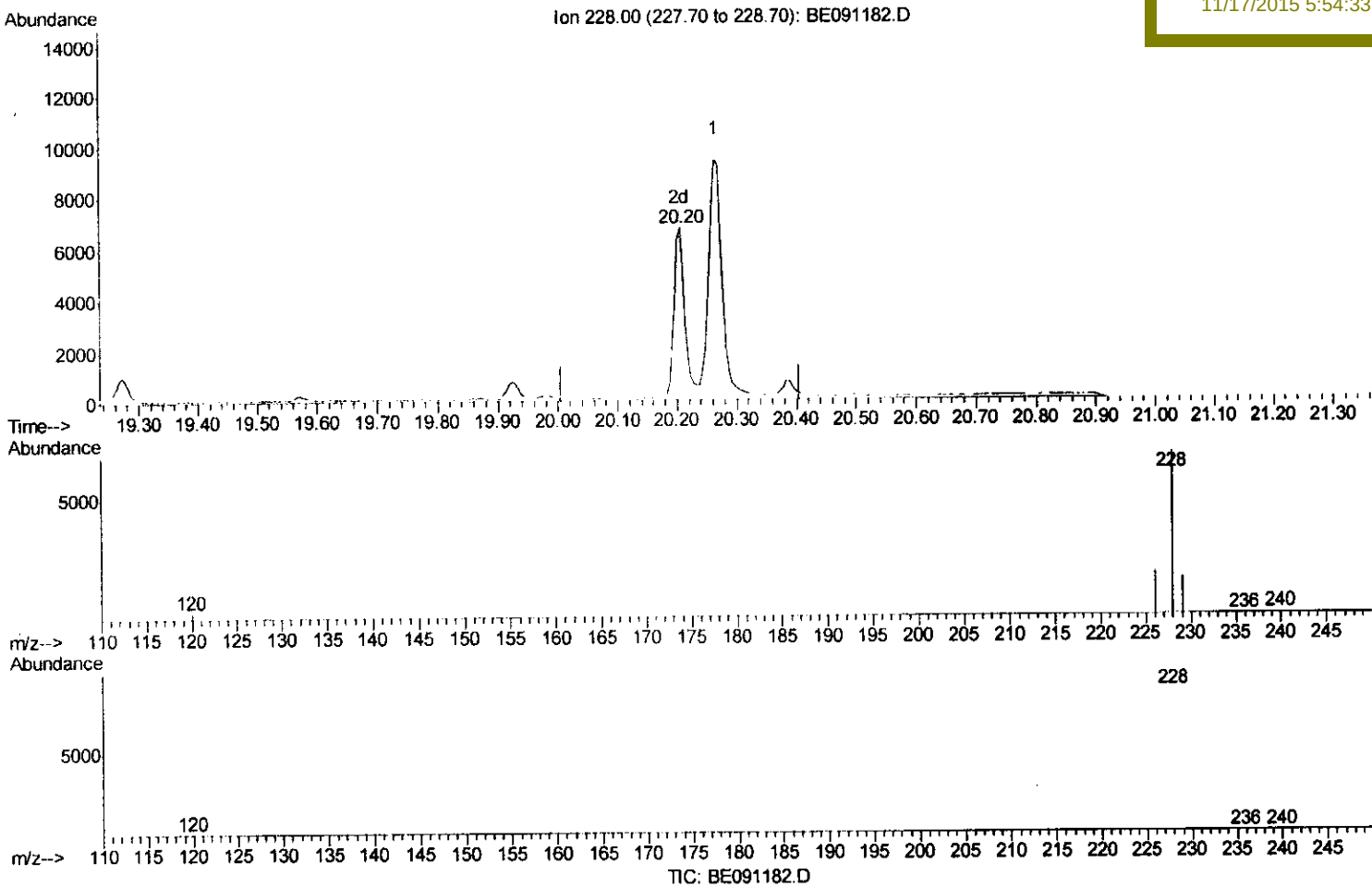
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_E\Data\BE111615\
Data File : BE091182.D
Acq On : 16 Nov 2015 13:54
Operator : UM/NP
Sample : 04309-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 17 16:03:07 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 : Mon Nov 16 04:54:02 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
D9KQ0

Manual Integrations APPROVED
mmdadoda
11/17/2015 5:54:33 PM



(20) Benzo(a)anthracene

20.205min (-0.001) 0.06ng/ul m

response 8705

Ion	Exp%	Act%
228.00	100	100
226.00	28.70	27.74
229.00	19.00	24.43#
0.00	0.00	0.00

UM 11/17/15

Quantitation Report (QT Reviewed)

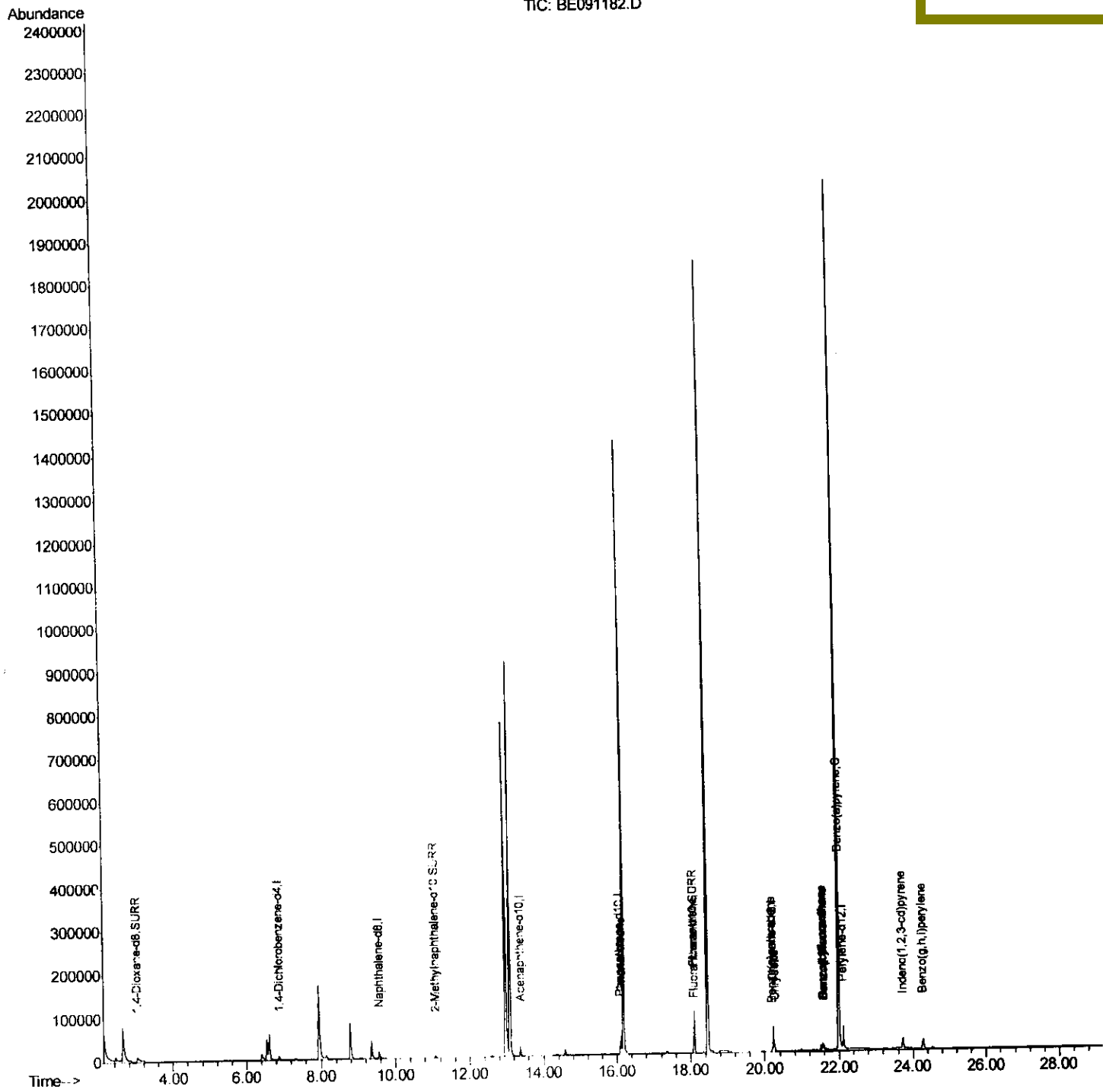
Data Path : Z:\HPCHEM1\BNA_E\Data\BE111615\
Data File : BE091182.D
Acq On : 16 Nov 2015 13:54
Operator : UM/NP
Sample : G4309-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 17 16:04:50 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 : Mon Nov 16 04:54:02 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
D9KQ0

Manual Integrations APPROVED
mmdadoda
11/17/2015 5:54:33 PM

TIC: BE091182.D



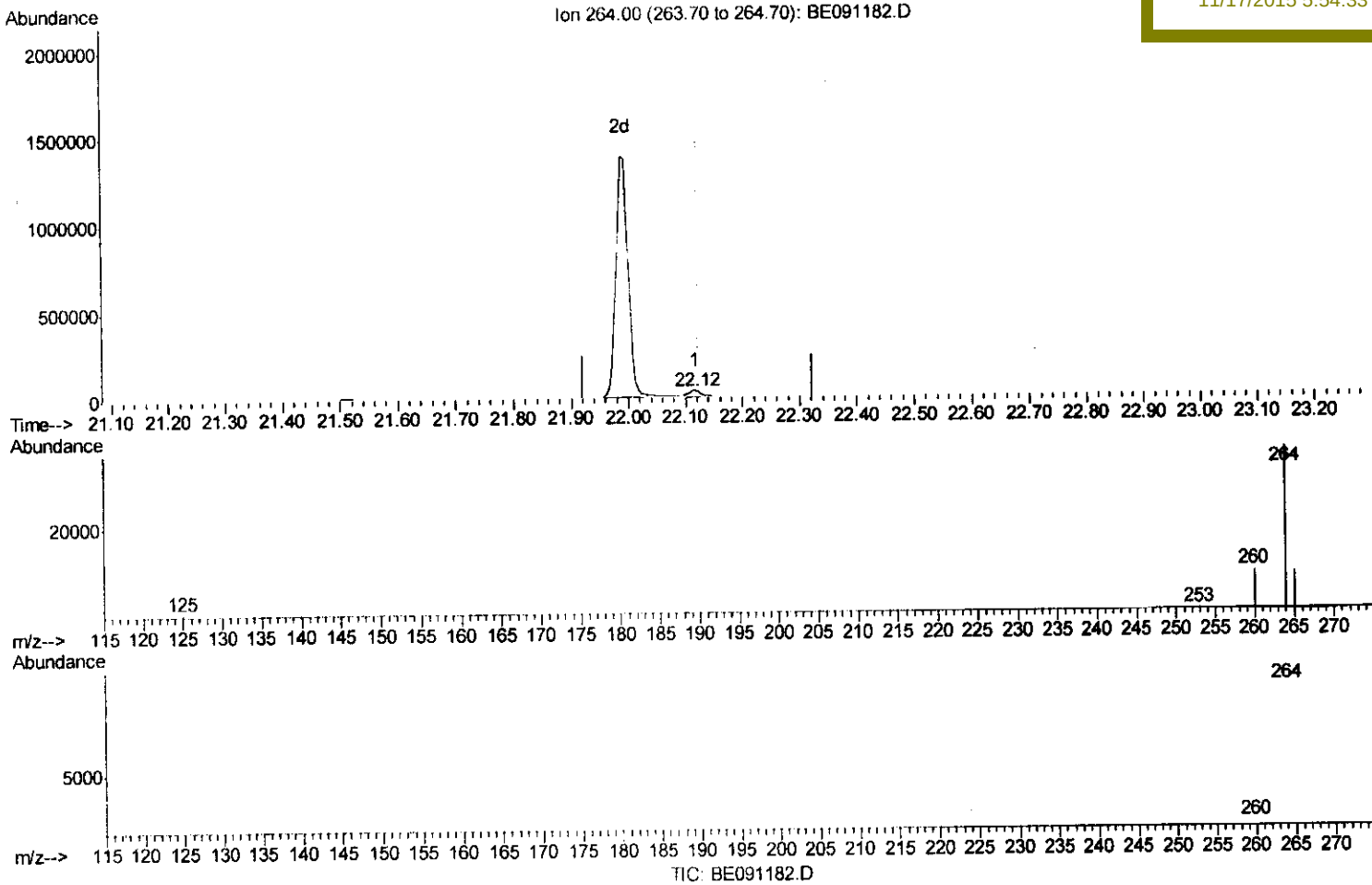
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_E\Data\BE_Title\
Data File : BE091182.D
Acq On : 16 Nov 2015 13:54
Operator : UM/NP
Sample : 64309-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 17 16:03:07 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 : Mon Nov 16 04:54:02 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
D9KQ0

Manual Integrations APPROVED
mmdadoda
11/17/2015 5:54:33 PM



(22) Perylene-d12 (I)

22.117min (-0.005) 0.40ng/ul m

response 47066

Ion	Exp%	Act%
264.00	100	100
260.00	28.90	24.66
265.00	34.70	23.79#
0.00	0.00	0.00

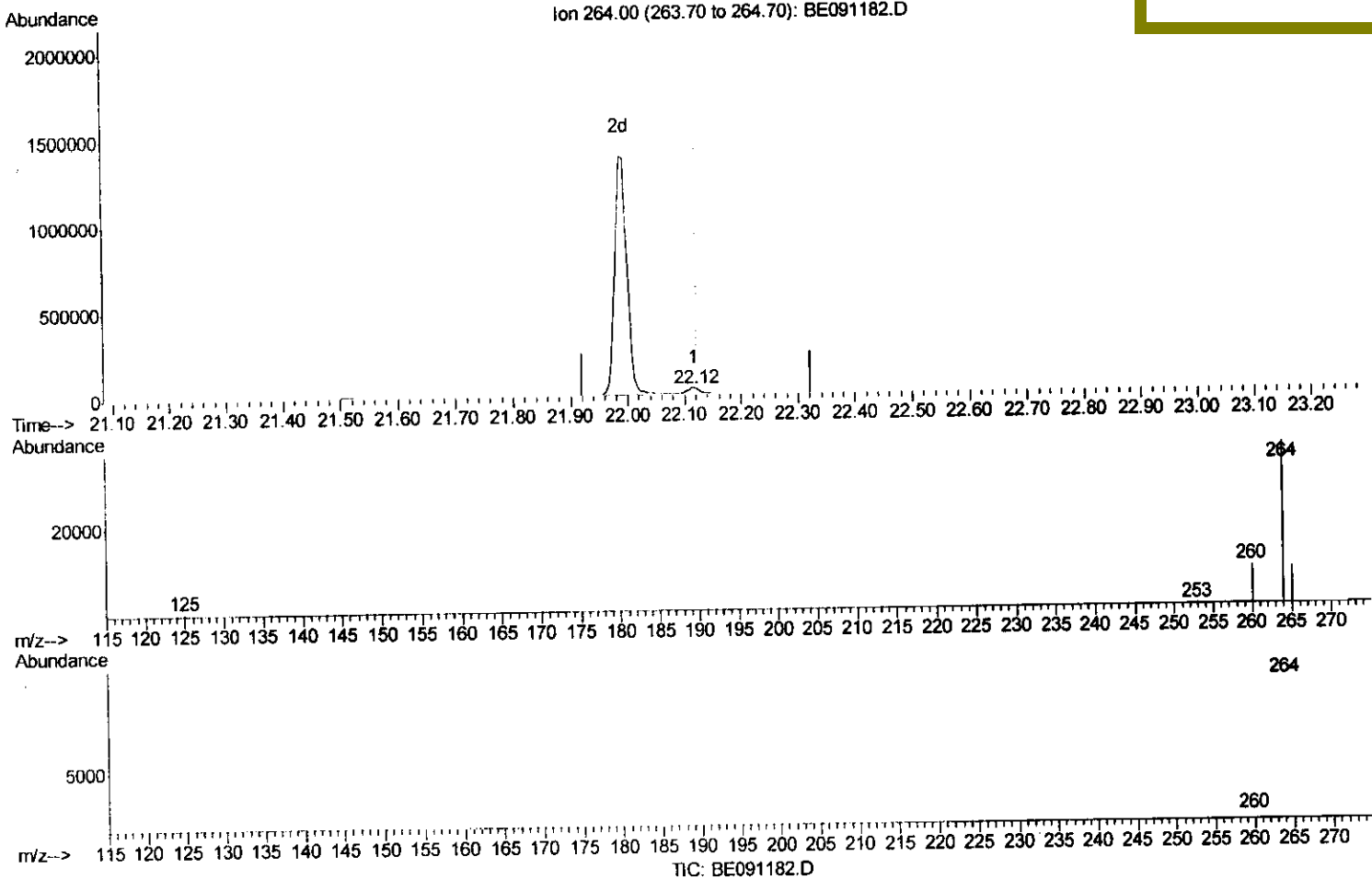
U.M 11/17/15

Data Path : Z:\HPCHEM1\BNA_E\Data\BE111615\
Data File : BE091182.D
Acq On : 16 Nov 2015 13:54
Operator : UM/NP
Sample : G4309-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 17 16:03:07 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 : Mon Nov 16 04:54:02 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
D9KQ0

Manual Integrations APPROVED
mmdadoda
11/17/2015 5:54:33 PM



TIC: BE091182.D

(22) Perylene-d12 (I)

22.117min (-0.005) 0.40ng/ul

response 66564

Ion	Exp%	Act%
264.00	100	100
260.00	28.90	24.66
265.00	34.70	23.79#
0.00	0.00	0.00