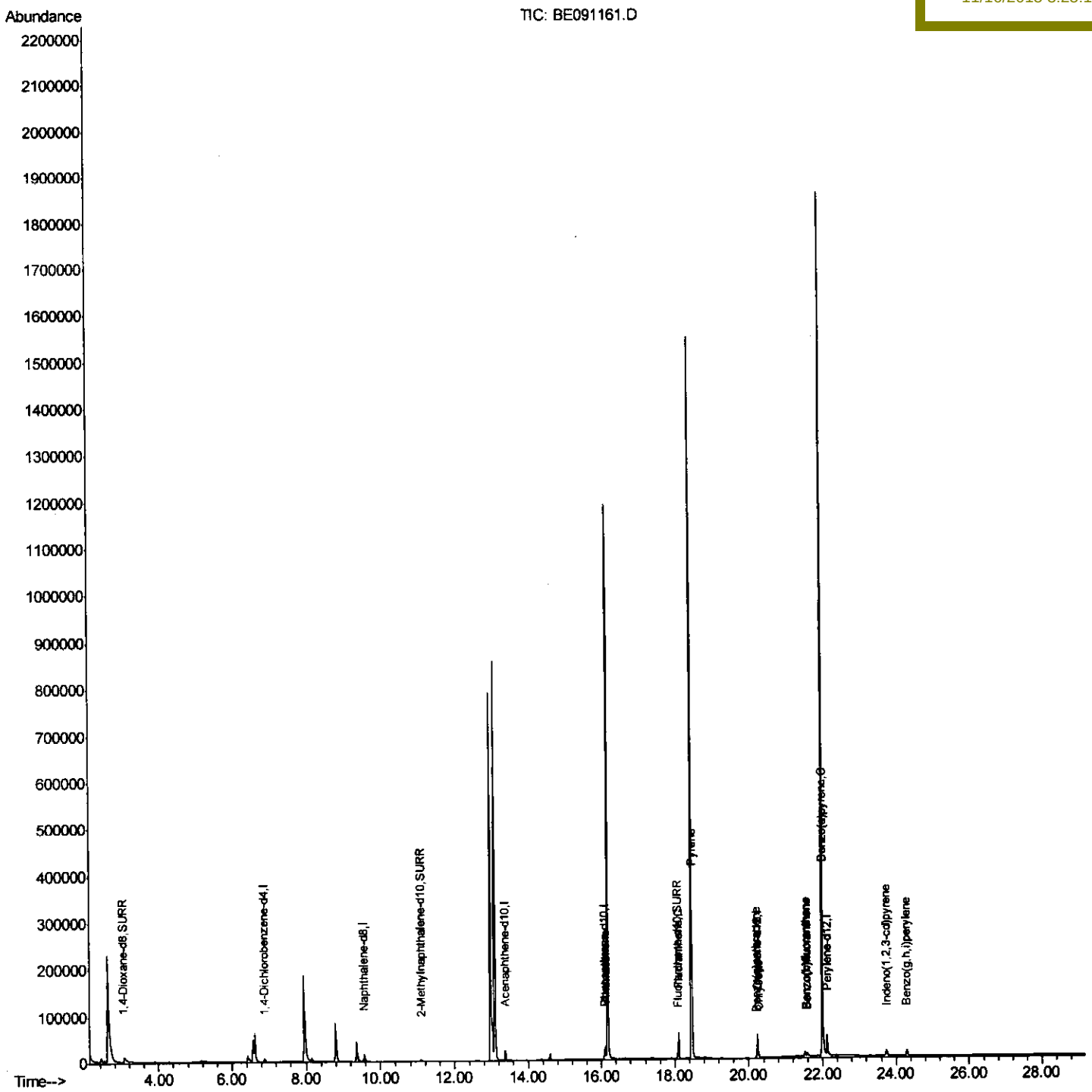
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111315\
Data File : BE091161.D
Acq On : 14 Nov 2015 3:22
Operator : UM/NP
Sample : G4342-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 14 05:58:58 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 03:28:24 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
D9KQ9

Manual Integrations APPROVED
mmdadoda
11/16/2015 3:25:12 PM



Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111315\
Data File : BE091161.D
Acq On : 14 Nov 2015 3:22
Operator : UM/NP
Sample : G4342-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 14 05:47:48 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 03:28:24 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
D9KQ9

Manual Integrations APPROVED
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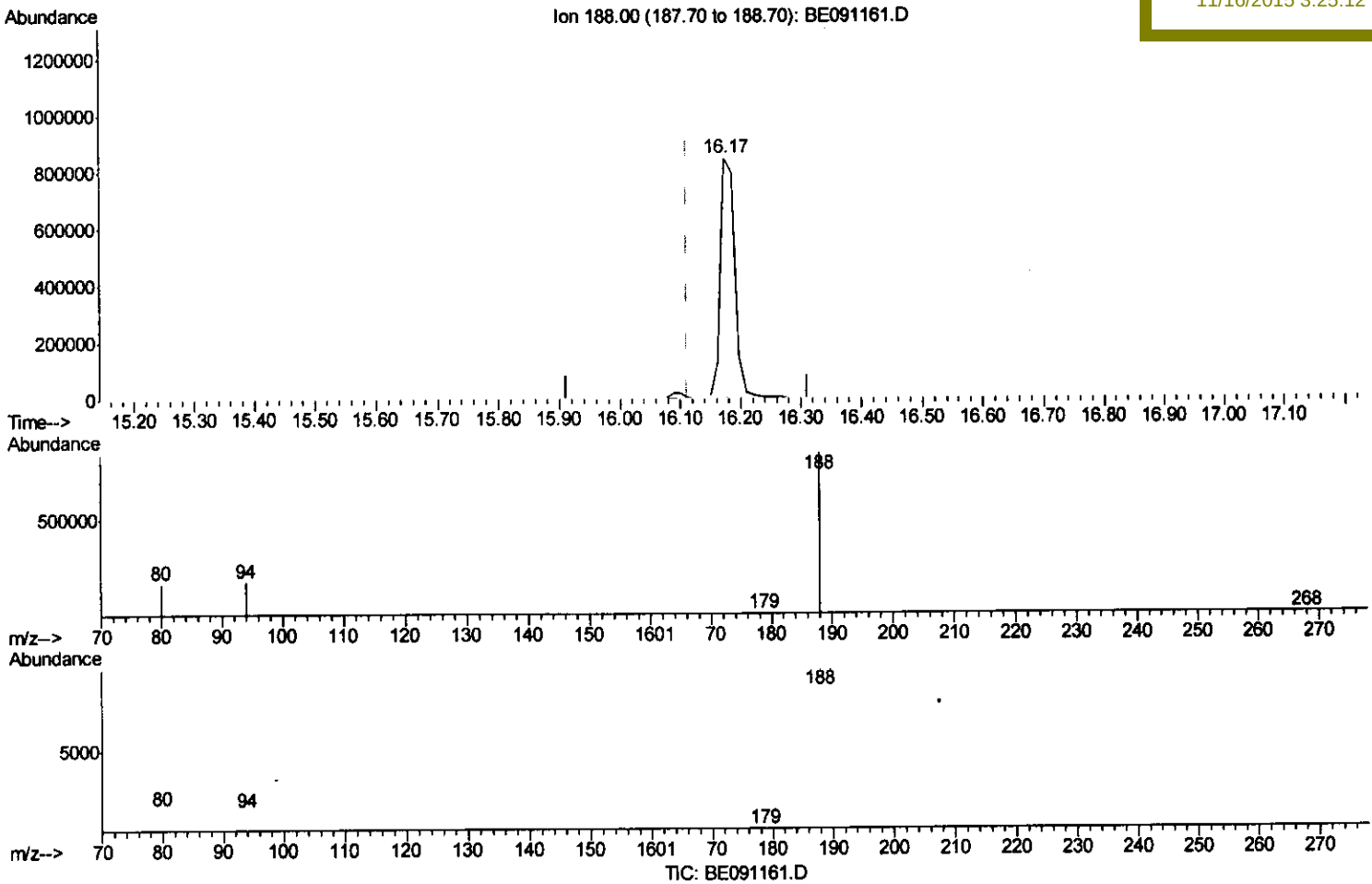

(12) Phenanthrene-d10 (I)

16.173min (+0.062) 0.40ng/ul

response 1427124

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	20.55#
80.00	8.90	19.52#
0.00	0.00	0.00

Quantitation Report (Qedit)

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ClientSampleId :
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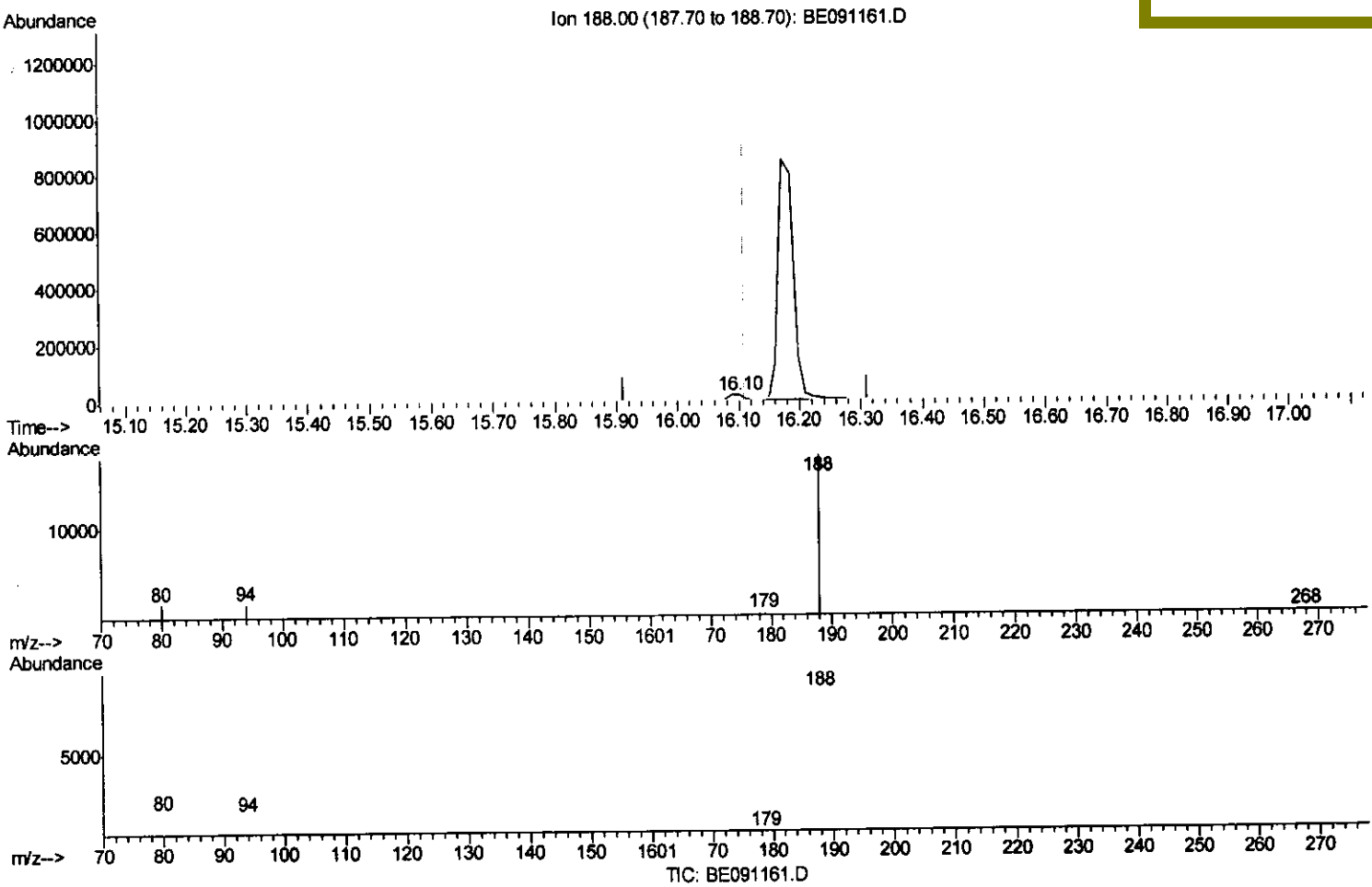
Manual Integrations APPROVED
mmdadoda
11/16/2015 3:25:12 PM



(12) Phenanthrene-d10 (I)

16.100min (-0.011) 0.40ng/ul m U.M 11/17/15

response 29820

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	8.83
80.00	8.90	9.01
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111315\
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Operator : UM/NP
Sample : G4342-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 14 05:47:48 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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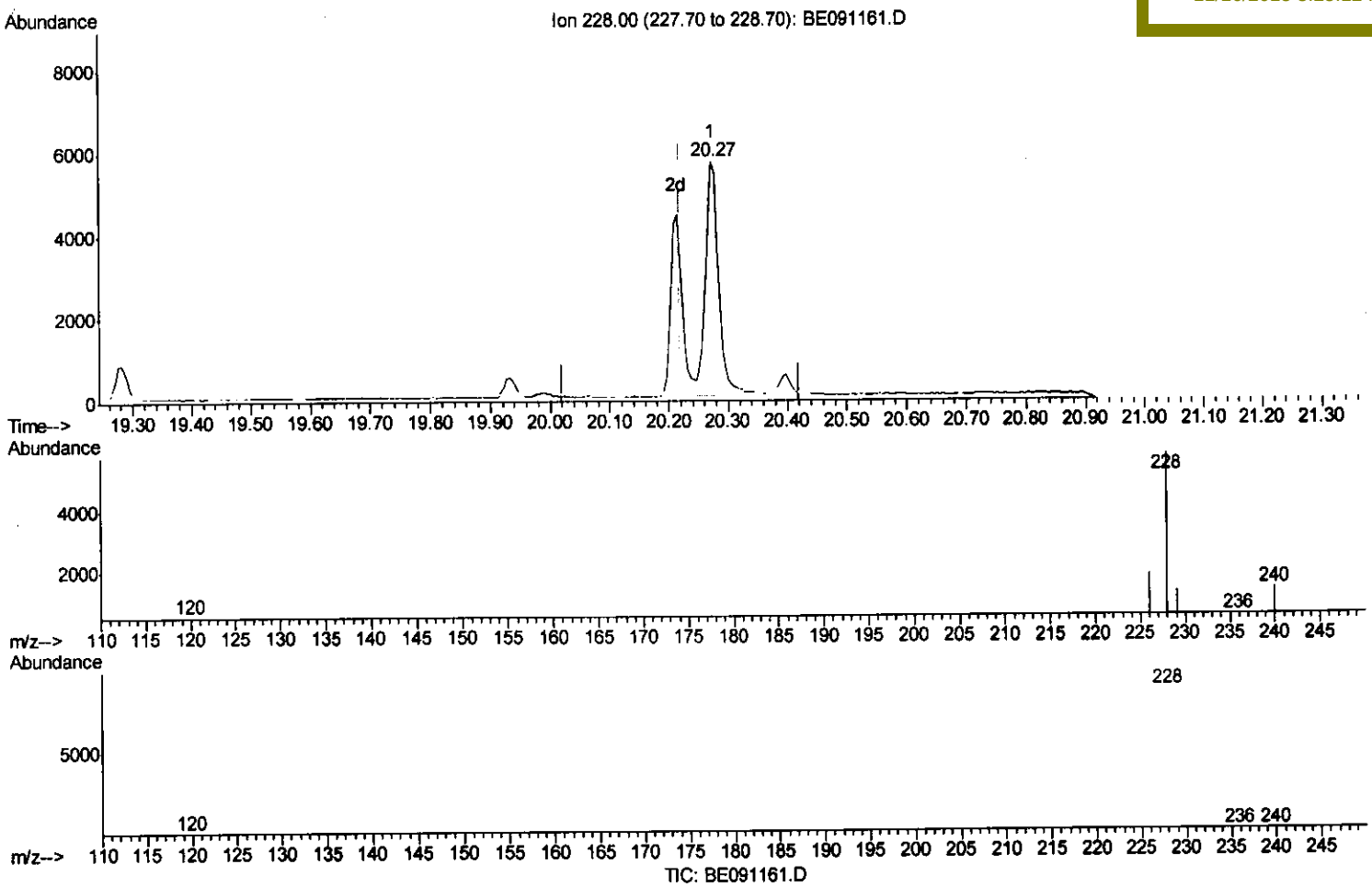
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
D9KQ9

Manual Integrations APPROVED
mmdadoda
11/16/2015 3:25:12 PM



TIC: BE091161.D

(20) Benzo(a)anthracene

20.273min (+0.053) 0.07ng/ul

response 8702

Ion	Exp%	Act%
228.00	100	100
226.00	28.70	31.49
229.00	19.00	22.23
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111315\
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Acq On : 14 Nov 2015 3:22
Operator : UM/NP
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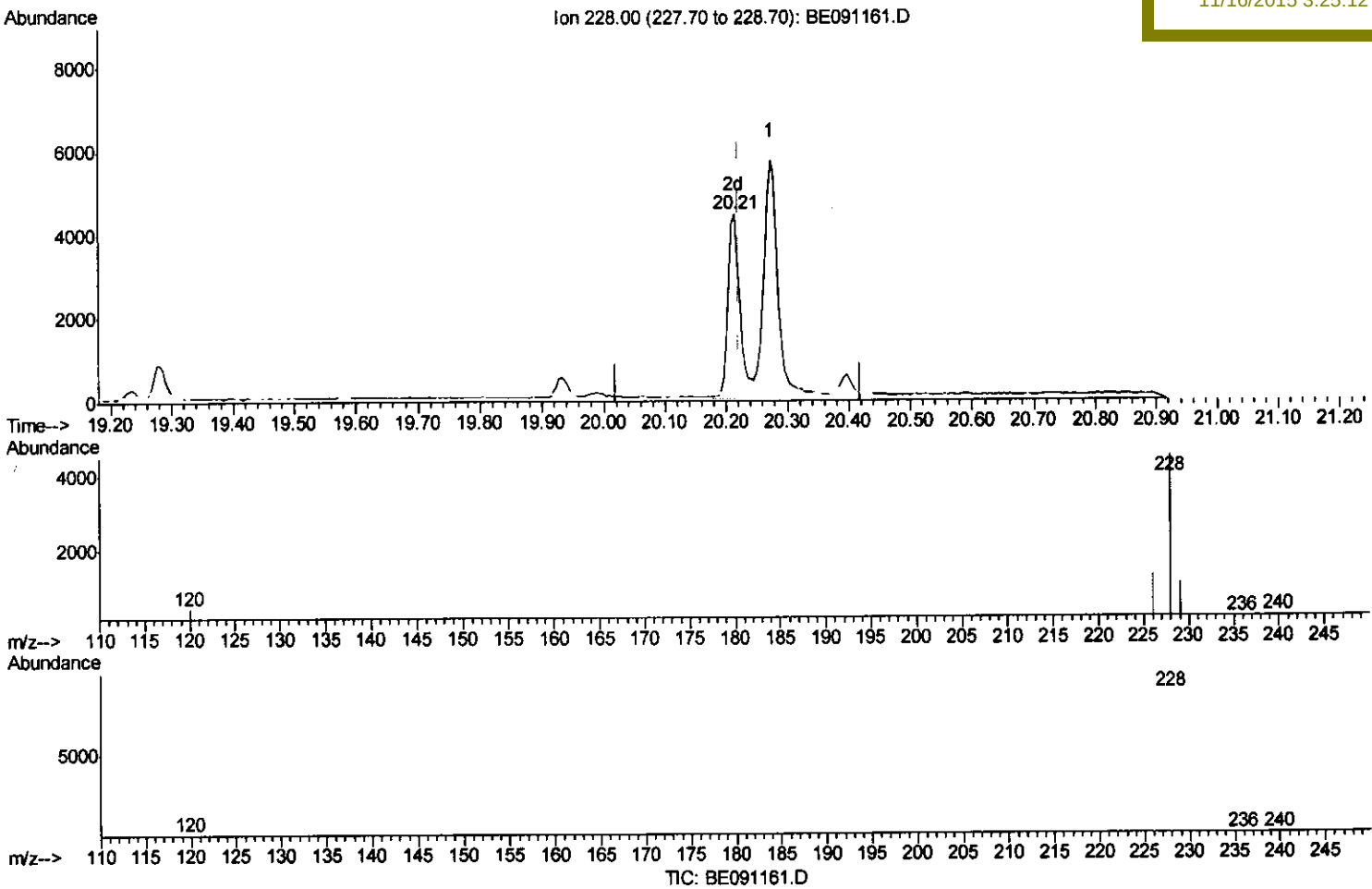
BNA_E
ClientSampleId :
D9KQ9

Manual Integrations APPROVED
mmdadoda
11/16/2015 3:25:12 PM



(20) Benzo(a)anthracene

20.214min (-0.006) 0.05ng/ul m U.M 11/17/15

response 6087

Ion	Exp%	Act%
228.00	100	100
226.00	28.70	28.29
229.00	19.00	23.98#
0.00	0.00	0.00

Quantitation Report (Qedit)

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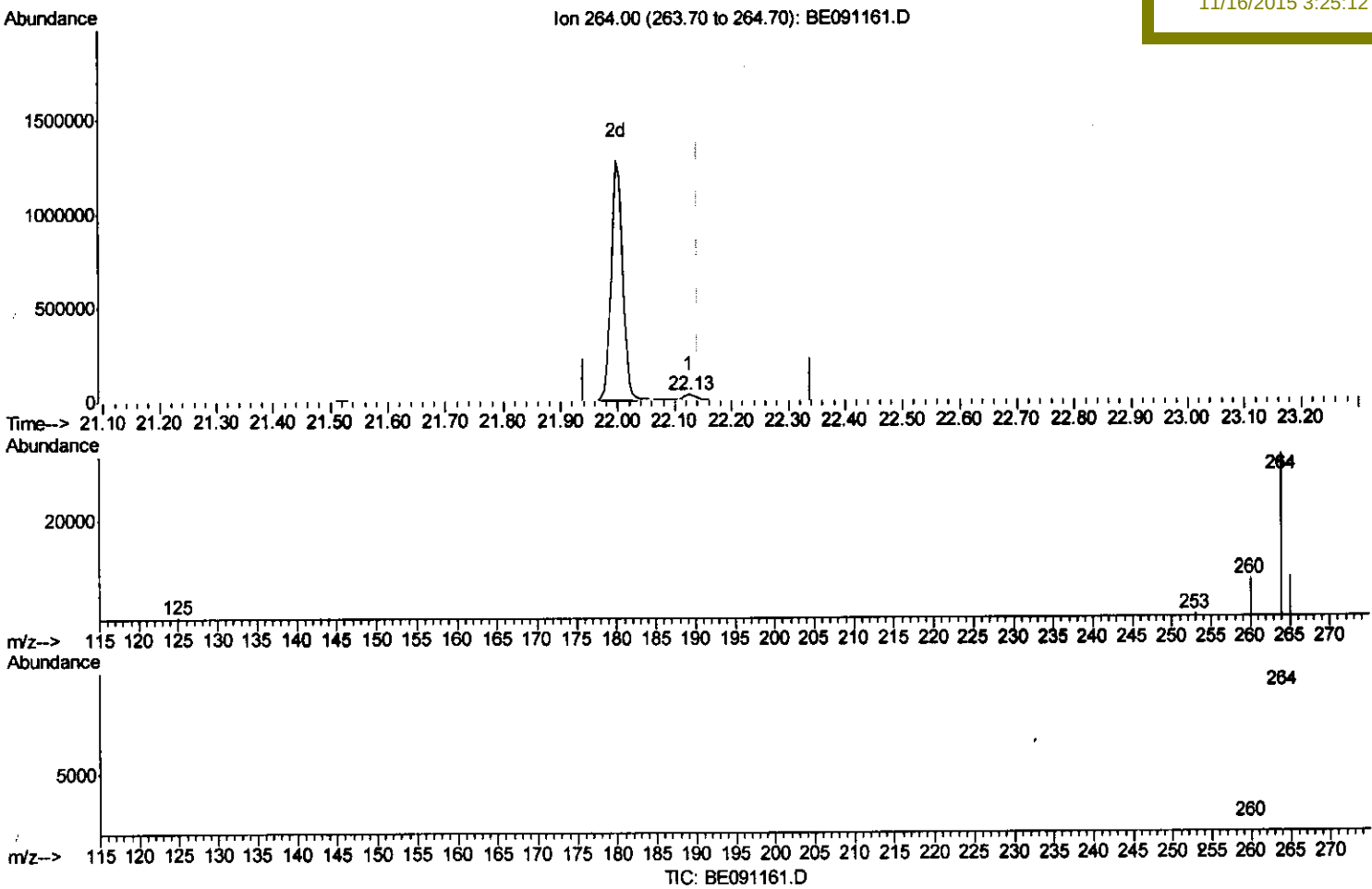
QLast Update : Sat Nov 14 03:28:24 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
D9KQ9

Manual Integrations APPROVED
mmdadoda
11/16/2015 3:25:12 PM



(22) Perylene-d12 (I)

22.125min (-0.014) 0.40ng/ul

response 59987

Ion	Exp%	Act%
264.00	100	100
260.00	28.90	24.82
265.00	34.70	26.41#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_E\Data\BE111315\
Data File : BE091161.D
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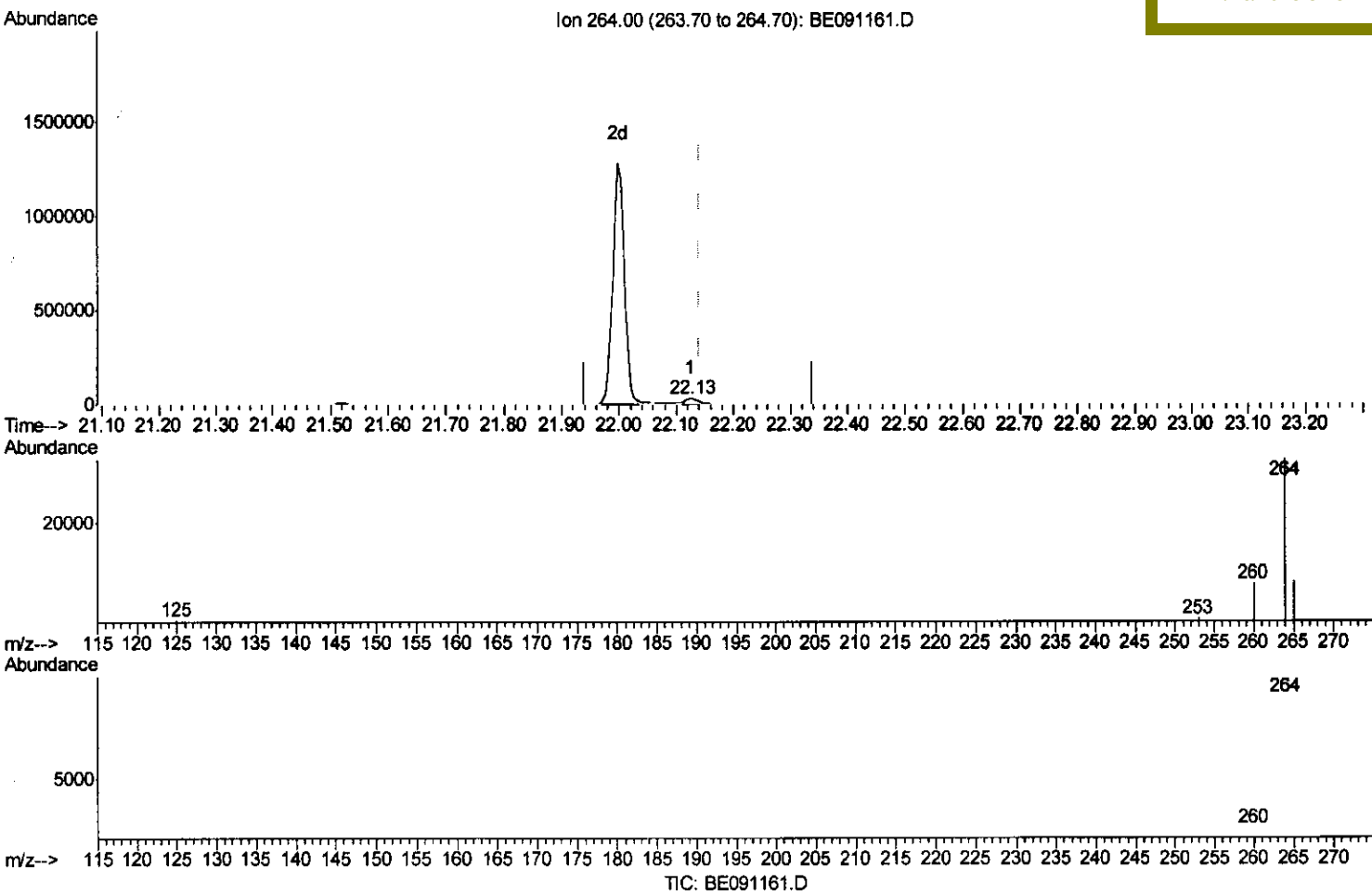
QLast Update : Sat Nov 14 03:28:24 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
D9KQ9

Manual Integrations APPROVED
mmdadoda
11/16/2015 3:25:12 PM



(22) Perylene-d12 (I)

22.125min (-0.014) 0.40ng/ul m U.M 11/17/15

response 42705

Ion	Exp%	Act%
264.00	100	100
260.00	28.90	24.82
265.00	34.70	26.41#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\Data\BE111315\
Data File : BE091161.D
Acq On : 14 Nov 2015 3:22
Operator : UM/NP
Sample : G4342-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 16 11:08:19 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 03:28:24 2015
Response via : Initial Calibration

Instrument : BNA_E
ClientSampleId : D9KQ9

Manual Integrations APPROVED
mmdadoda
11/16/2015 3:25:12 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	4033	0.40	ng/ul	-0.07
4) Naphthalene-d8	9.56	136	20639	0.40	ng/ul	-0.05
8) Acenaphthene-d10	13.38	164	12707	0.40	ng/ul	-0.02
12) Phenanthrene-d10	16.10	188	29820m	0.40	ng/ul	-0.01
18) Chrysene-d12	20.24	240	47761	0.40	ng/ul	0.00
22) Perylene-d12	22.13	264	42705m	0.40	ng/ul	-0.01
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.05	96	24192	8.34	ng/uL	-0.11
6) 2-Methylnaphthalene-d10	11.09	152	6757	0.24	ng/ul	-0.03
16) Fluoranthene-d10	18.08	212	18504	0.22	ng/ul	-0.01
Target Compounds						Qvalue
14) Phenanthrene	16.12	178	32163	0.09	ng/ul	97
17) Fluoranthene	18.11	202	62618	0.16	ng/ul	87
19) Pyrene	18.49	202	69352	0.13	ng/ul#	76
20) Benzo(a)anthracene	20.21	228	6087m	0.05	ng/ul	
21) Chrysene	20.27	228	8809	0.06	ng/ul	97
23) Benzo(b)fluoranthene	21.57	252	8097	0.06	ng/ul	72
24) Benzo(k)fluoranthene	21.60	252	7722	0.06	ng/ul#	69
25) Benzo(a)pyrene	22.03	252	7392	0.06	ng/ul#	71
26) Indeno(1,2,3-cd)pyrene	23.74	276	22070	0.04	ng/ul#	88
28) Benzo(g,h,i)perylene	24.30	276	26064	0.05	ng/ul#	85

U.M 11/17/15

U.M 11/17/15

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