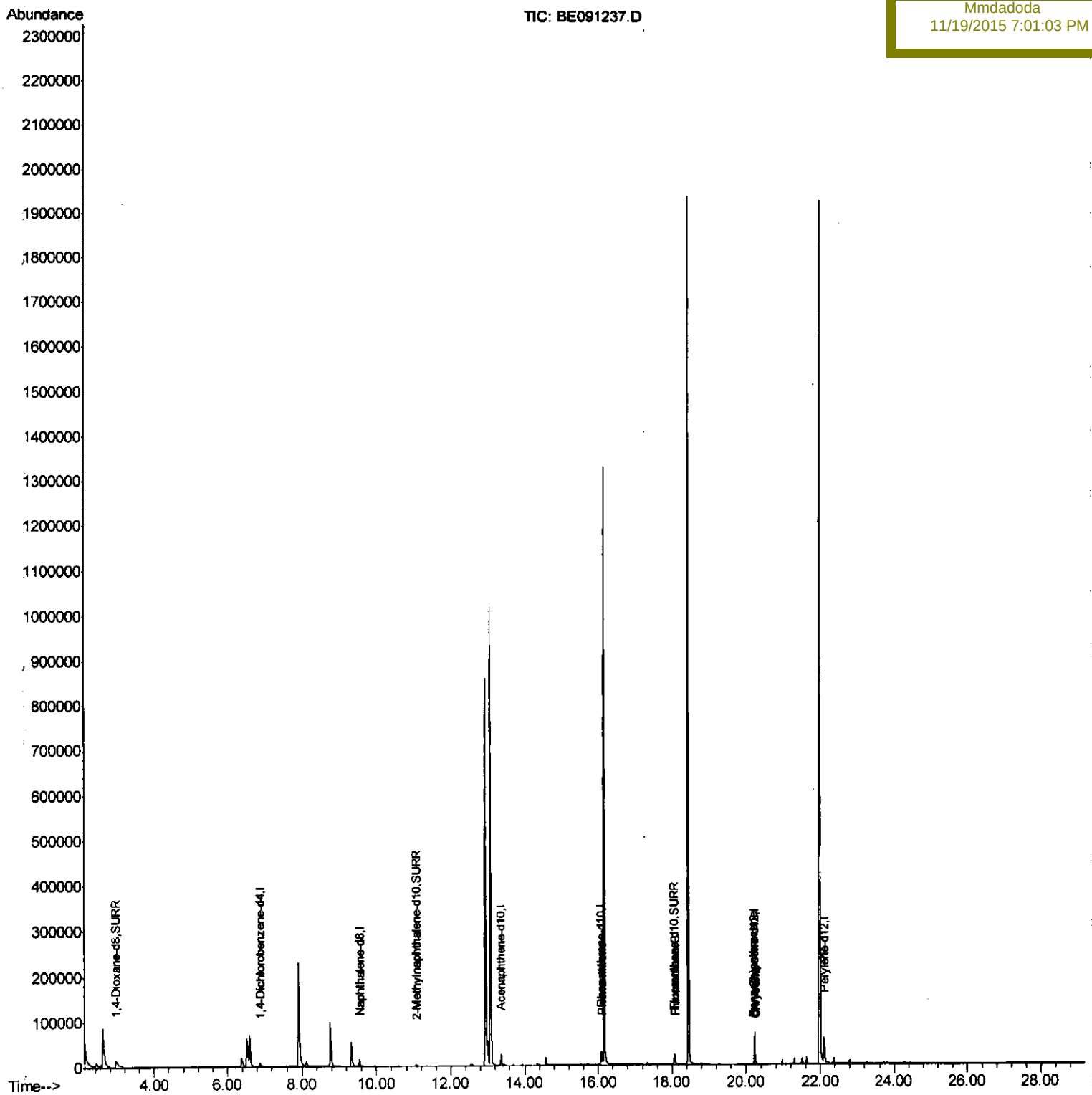
Data Path : Z:\HPCHEM1\BNA_E\Data\BE111815\
Data File : BE091237.D
Acq On : 18 Nov 2015 20:48
Operator : UM/NP
Sample : G4310-01
Misc :
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Nov 19 18:33:34 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 : Thu Nov 19 06:02:12 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
D9KL6

Manual Integrations APPROVED
Mmdadoda
11/19/2015 7:01:03 PM

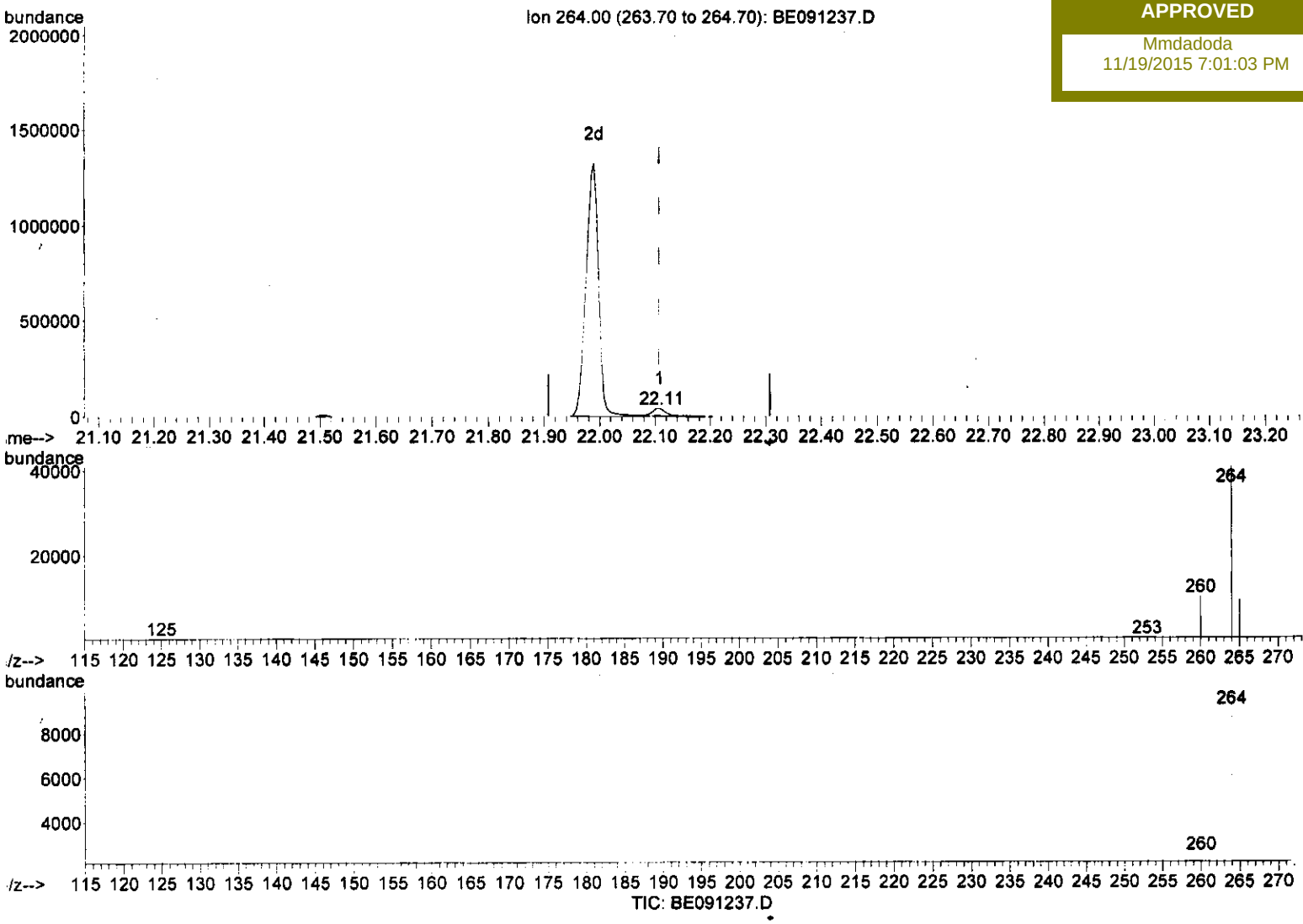


Data Path : Z:\HPCHEM1\BNA E\Data\BE111815\
Data File : BE091237.D
Acq On : 18 Nov 2015 20:48
Operator : UM/NP
Sample : G4310-01
Misc :
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Nov 19 06:41:47 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 : Thu Nov 19 06:02:12 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
D9KL6

Manual Integrations APPROVED
Mmdadoda
11/19/2015 7:01:03 PM



(22) Perylene-d12 (I)

22.108min (+0.001) 0.40ng/ul m

response 55765

Ion	Exp%	Act%
264.00	100	100
260.00	28.90	24.68
265.00	34.70	22.79#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\Data\BE111815\
Data File : BE091237.D
Acq On : 18 Nov 2015 20:48
Operator : UM/NP
Sample : G4310-01
Misc :
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Nov 19 06:41:47 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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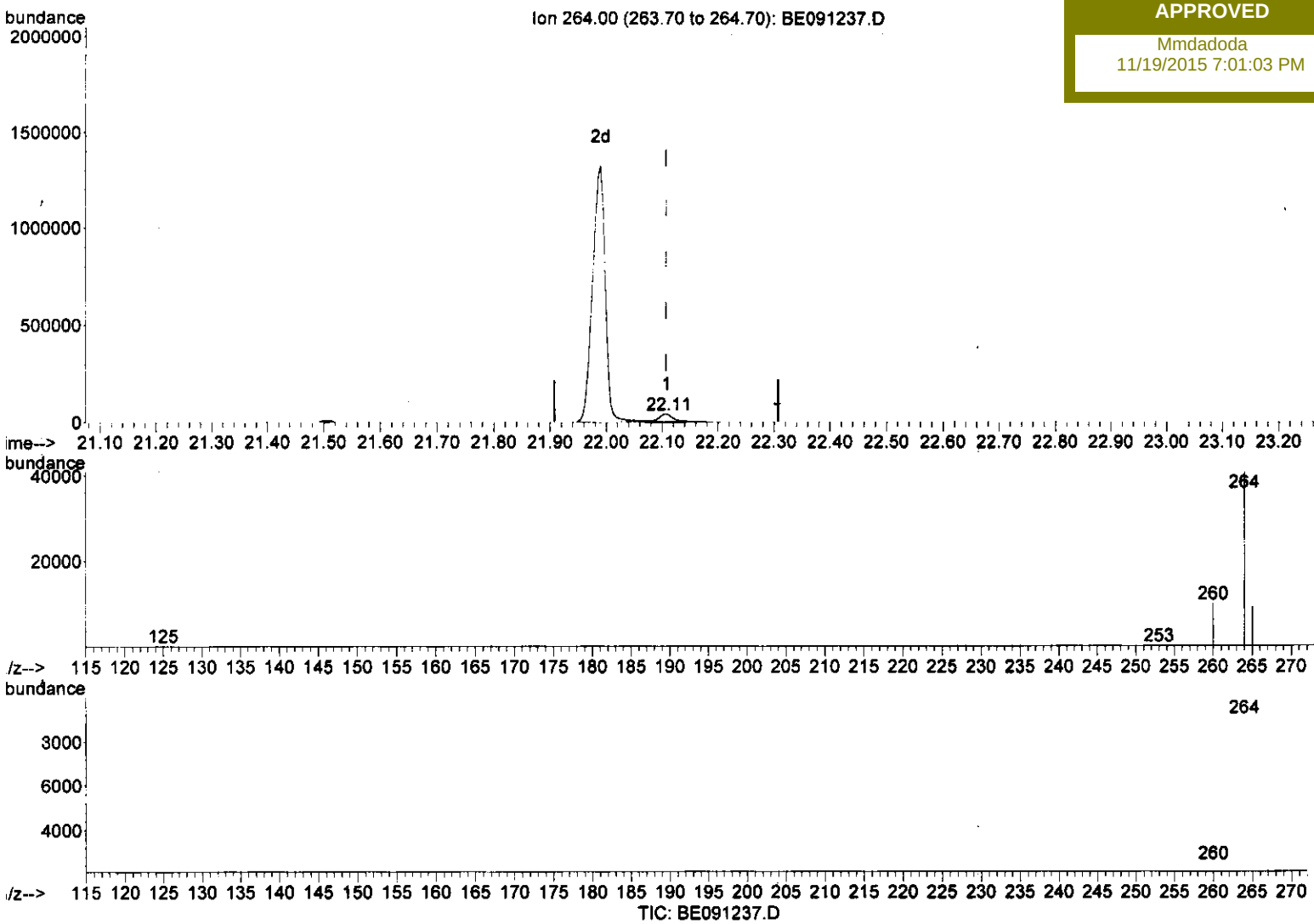
Instrument :
BNA_E
ClientSampleId :
D9KL6

Manual Integrations APPROVED
Mmdadoda
11/19/2015 7:01:03 PM



(22) Perylene-d12 (I)

22.108min (+0.001) 0.40ng/ul

response 73372

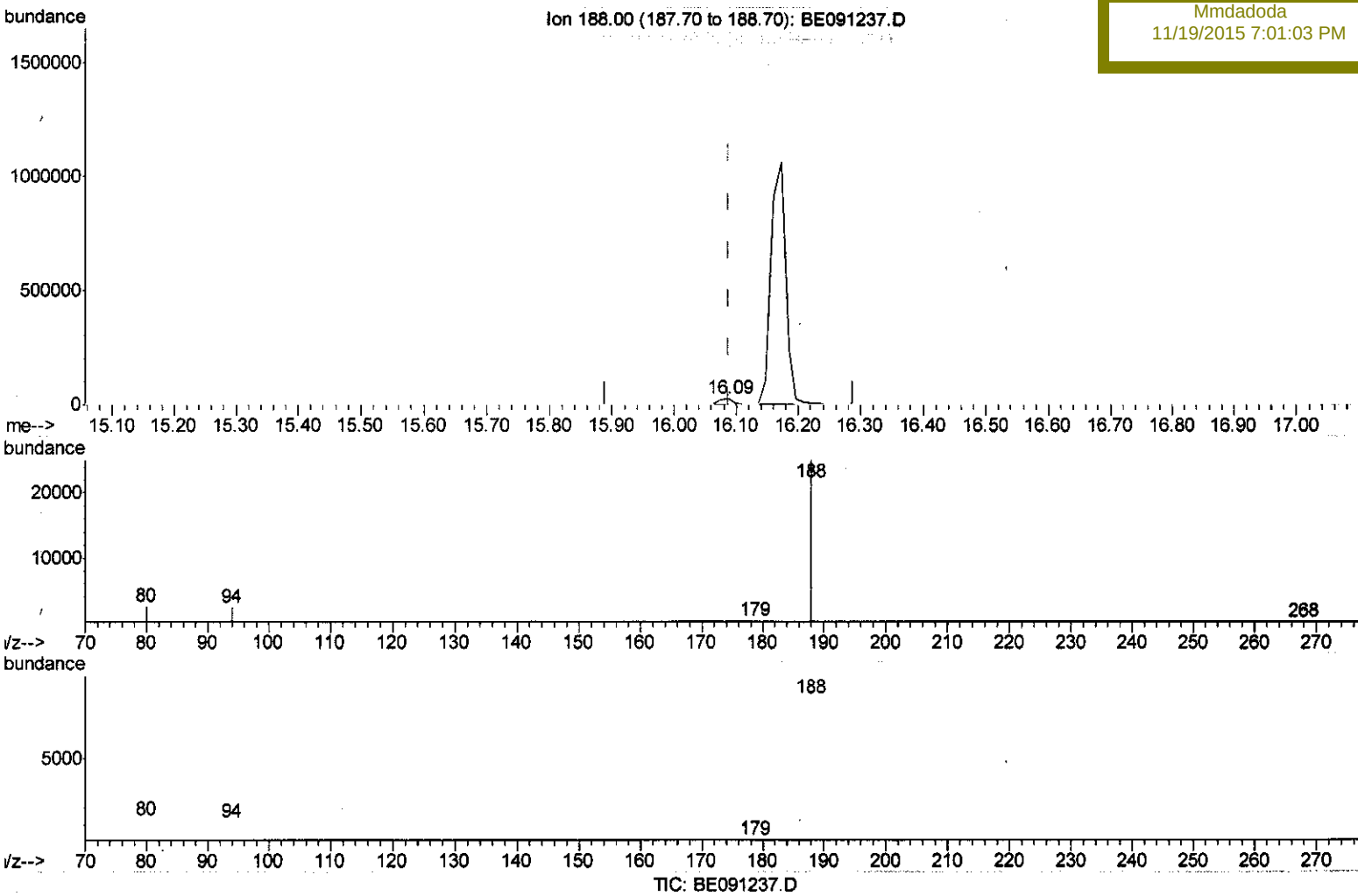
Ion	Exp%	Act%
264.00	100	100
260.00	28.90	24.68
265.00	34.70	22.79#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111815\
Data File : BE091237.D
Acq On : 18 Nov 2015 20:48
Operator : UM/NP
Sample : G4310-01
Misc :
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Nov 19 06:05:39 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 : Thu Nov 19 06:02:12 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
D9KL6

Manual Integrations APPROVED
Mmdadoda
11/19/2015 7:01:03 PM



(12) Phenanthrene-d10 (I)

16.087min (-0.002) 0.40ng/ul m

response 37205

U.M 25/11/15

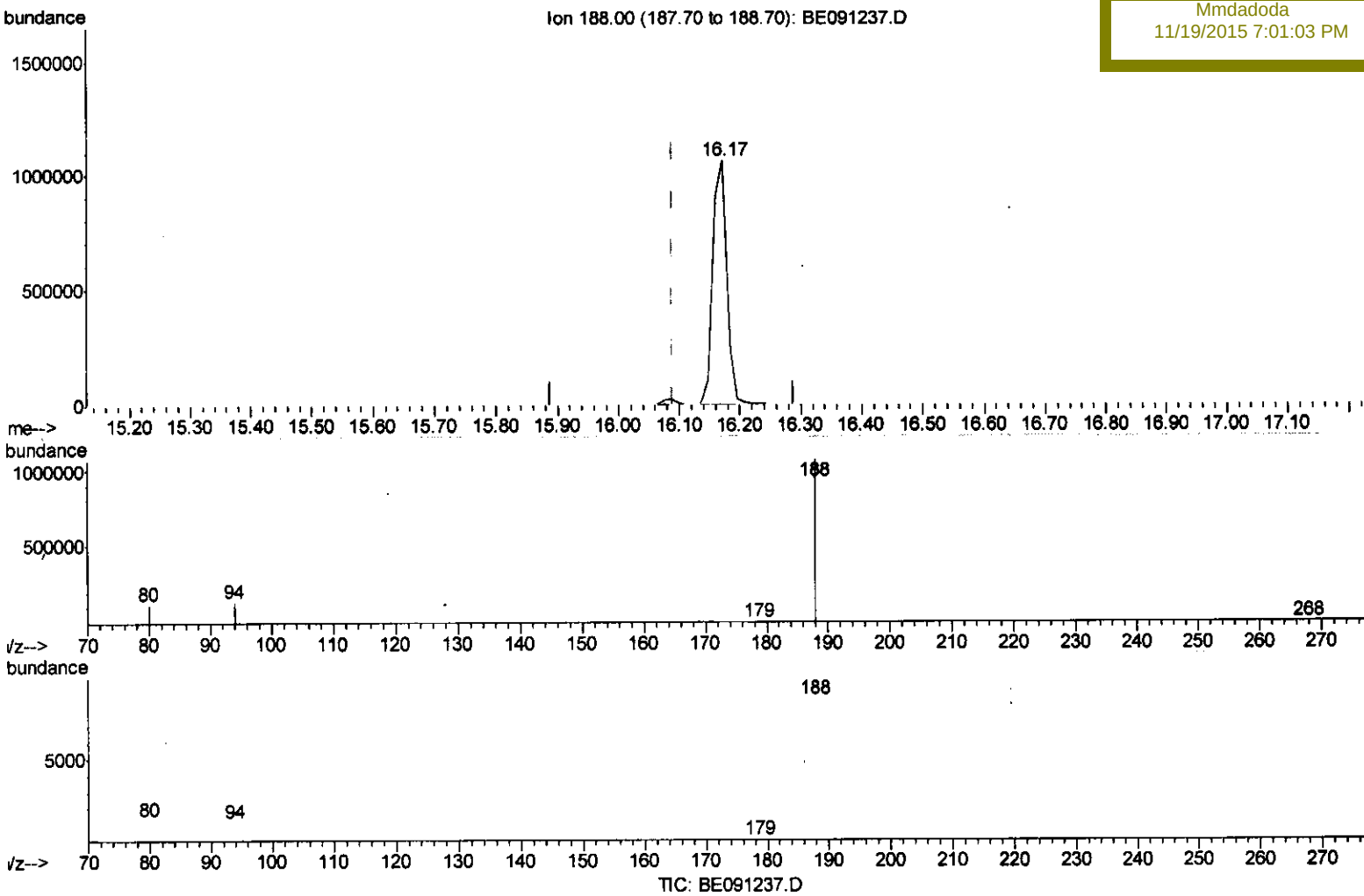
Ion	Exp%	Act%
188.00	100	100
94.00	9.00	9.32
80.00	8.90	9.86
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111815\
Data File : BE091237.D
Acq On : 18 Nov 2015 20:48
Operator : UM/NP
Sample : G4310-01
Misc :
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Nov 19 06:05:39 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 : Thu Nov 19 06:02:12 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
D9KL6

Manual Integrations APPROVED
Mmdadoda
11/19/2015 7:01:03 PM



TIC: BE091237.D

(12) Phenanthrene-d10 (I)

16.172min (+0.083) 0.40ng/ul

response 1711121

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	12.58#
80.00	8.90	11.05#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111815\
Data File : BE091237.D
Acq On : 18 Nov 2015 20:48
Operator : UM/NP
Sample : G4310-01
Misc :
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Nov 19 18:33:34 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 : Thu Nov 19 06:02:12 2015
Response via : Initial Calibration

Instrument : BNA_E
ClientSampleId : D9KL6

Manual Integrations APPROVED
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11/19/2015 7:01:03 PM

U.M. 11/19/2015

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	3793	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.55	136	19782	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	13181	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	37205m	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	63289	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	55765m	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.96	96	24459	8.96	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.06	152	7319	0.27	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	24368	0.23	ng/ul	0.00
Target Compounds						Qvalue
14) Phenanthrene	16.11	178	13293	0.03	ng/ul	93

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