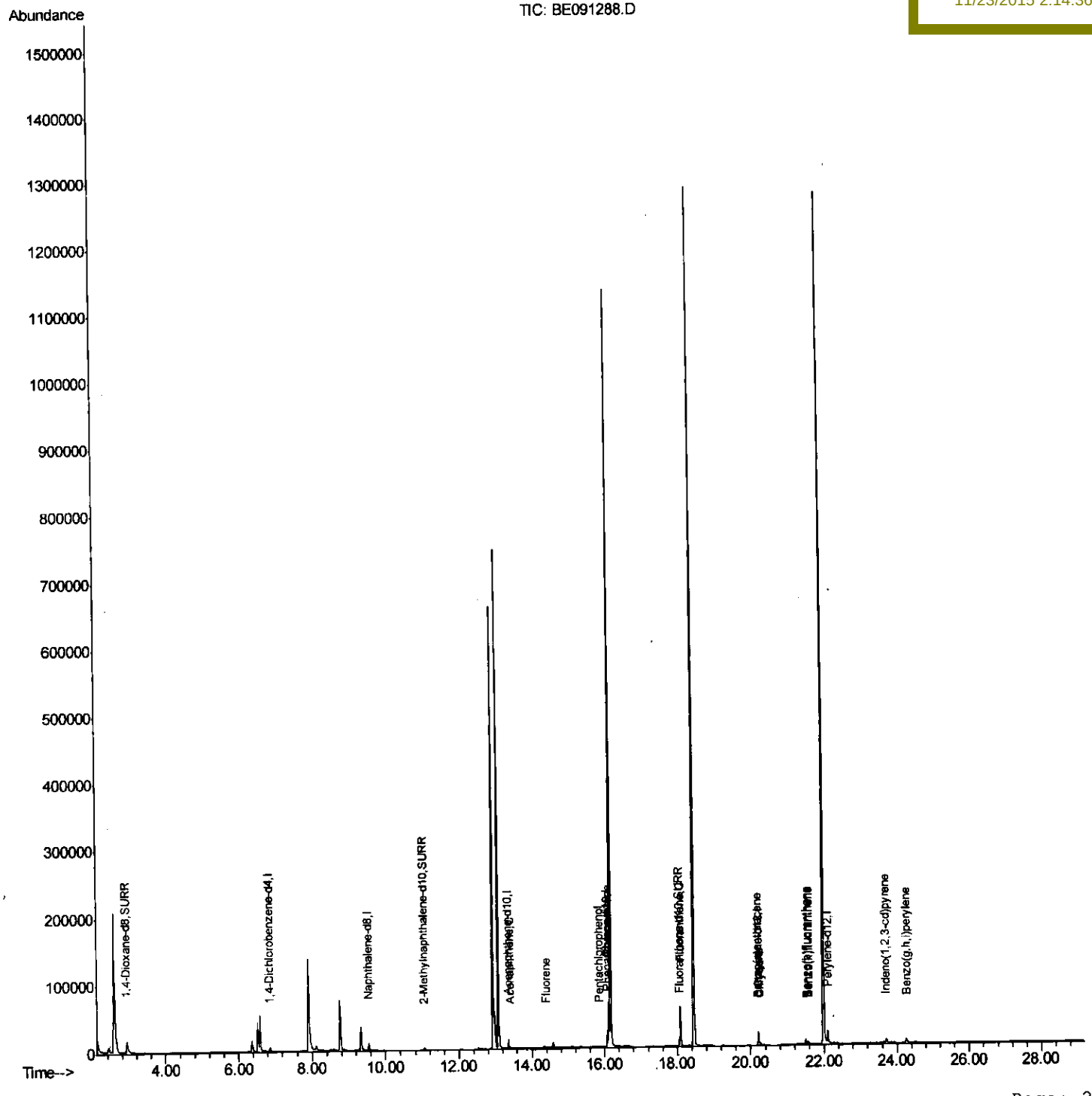
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE112215\
Data File : BE091288.D
Acq On : 21 Nov 2015 22:19
Operator : UM/NP
Sample : G4345-24
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 23 10:35:52 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 : Sun Nov 22 01:59:17 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
A4J69

Manual Integrations APPROVED
Mmdadoda
11/23/2015 2:14:36 PM



Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112215\
Data File : BE091288.D
Acq On : 21 Nov 2015 22:19
Operator : UM/NP
Sample : G4345-24
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 22 02:30:43 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
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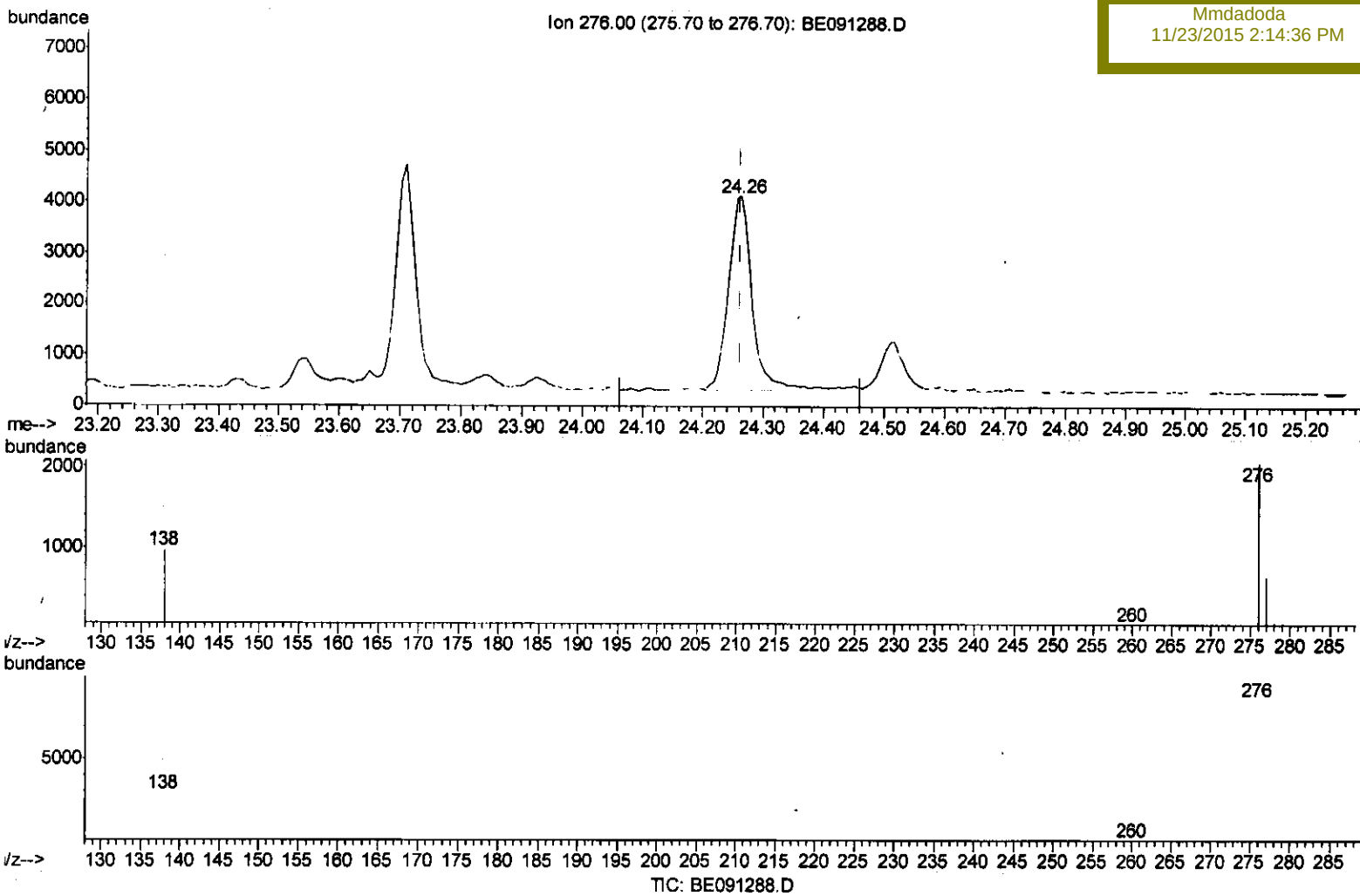

TIC: BE091288.D

(28) Benzo(g,h,i)perylene

24.263min (+0.000) 0.05ng/ul m

response 10026

U.M 11/25/15

Ion	Exp%	Act%
276.00	100	100
277.00	26.60	32.14#
138.00	31.90	46.83#
0.00	0.00	0.00

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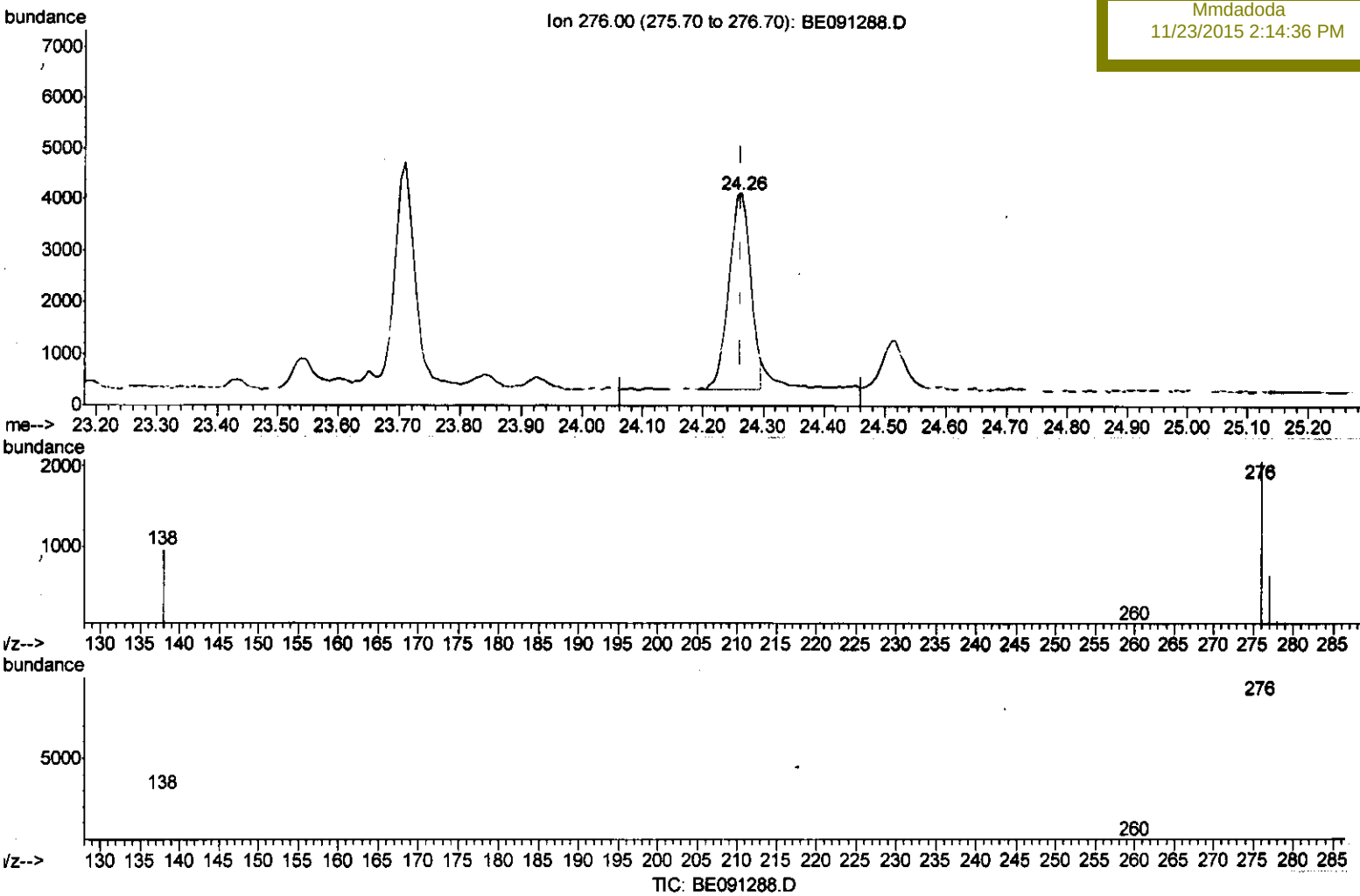
Instrument :
BNA_E
ClientSampleId :
A4J69

Manual Integrations APPROVED
Mmdadoda
11/23/2015 2:14:36 PM



TIC: BE091288.D

(28) Benzo(g,h,i)perylene

24.263min (+0.000) 0.05ng/ul

response 9738

Ion	Exp%	Act%
276.00	100	100
277.00	26.60	32.14#
138.00	31.90	46.83#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112215\
Data File : BE091288.D
Acq On : 21 Nov 2015 22:19
Operator : UM/NP
Sample : G4345-24
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 22 02:30:15 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
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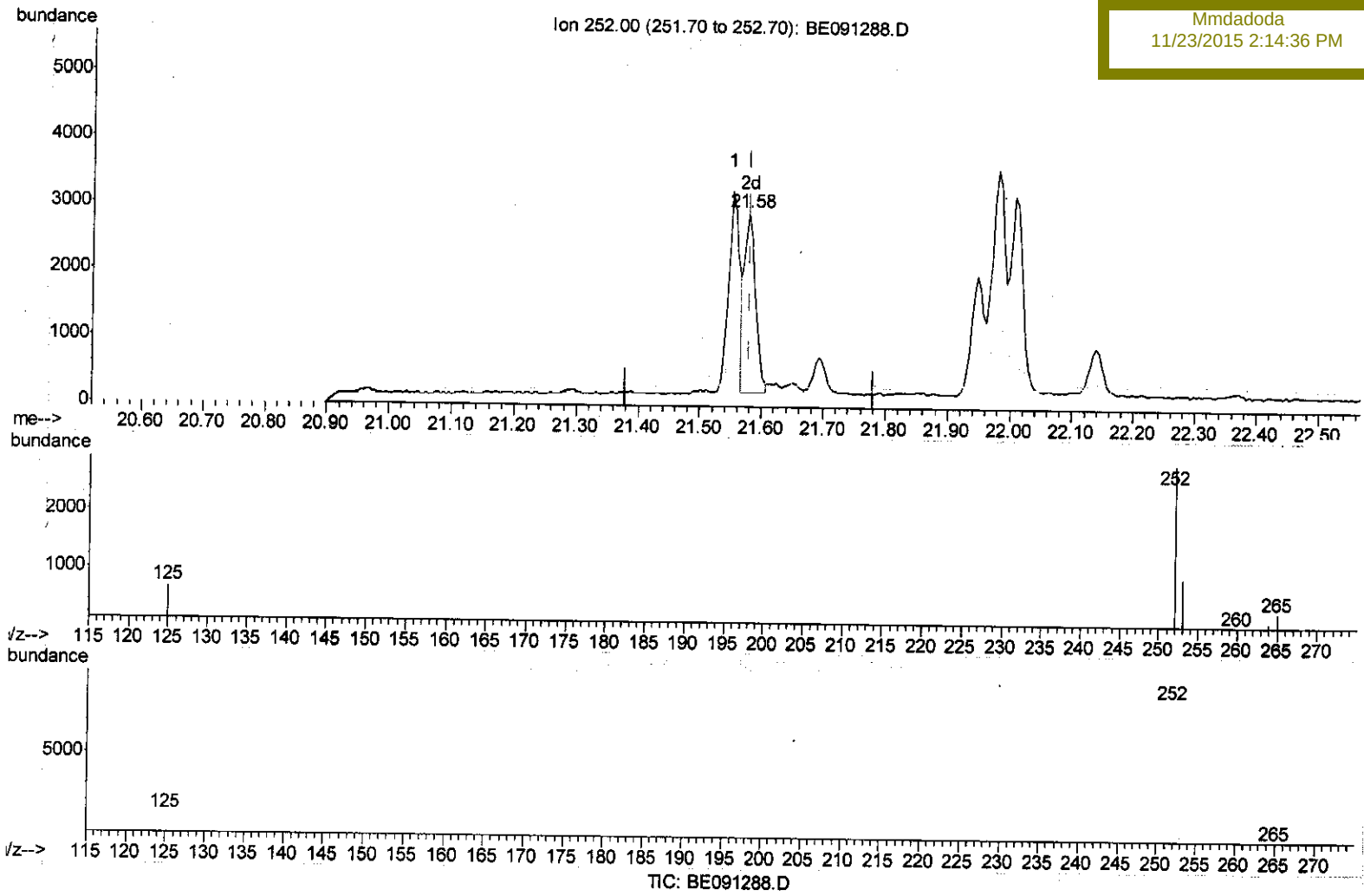
Instrument :
BNA_E
ClientSampleId :
A4J69

Manual Integrations APPROVED
Mmdadoda
11/23/2015 2:14:36 PM



(24) Benzo(k)fluoranthene

21.579min (-0.002) 0.07ng/ul m

response 3460

U.M 11/25/15

Ion	Exp%	Act%
252.00	100	100
253.00	26.00	31.95#
125.00	15.30	22.63#
0.00	0.00	0.00

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Data File : BE091288.D
Acq On : 21 Nov 2015 22:19
Operator : UM/NP
Sample : G4345-24
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 22 02:30:15 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
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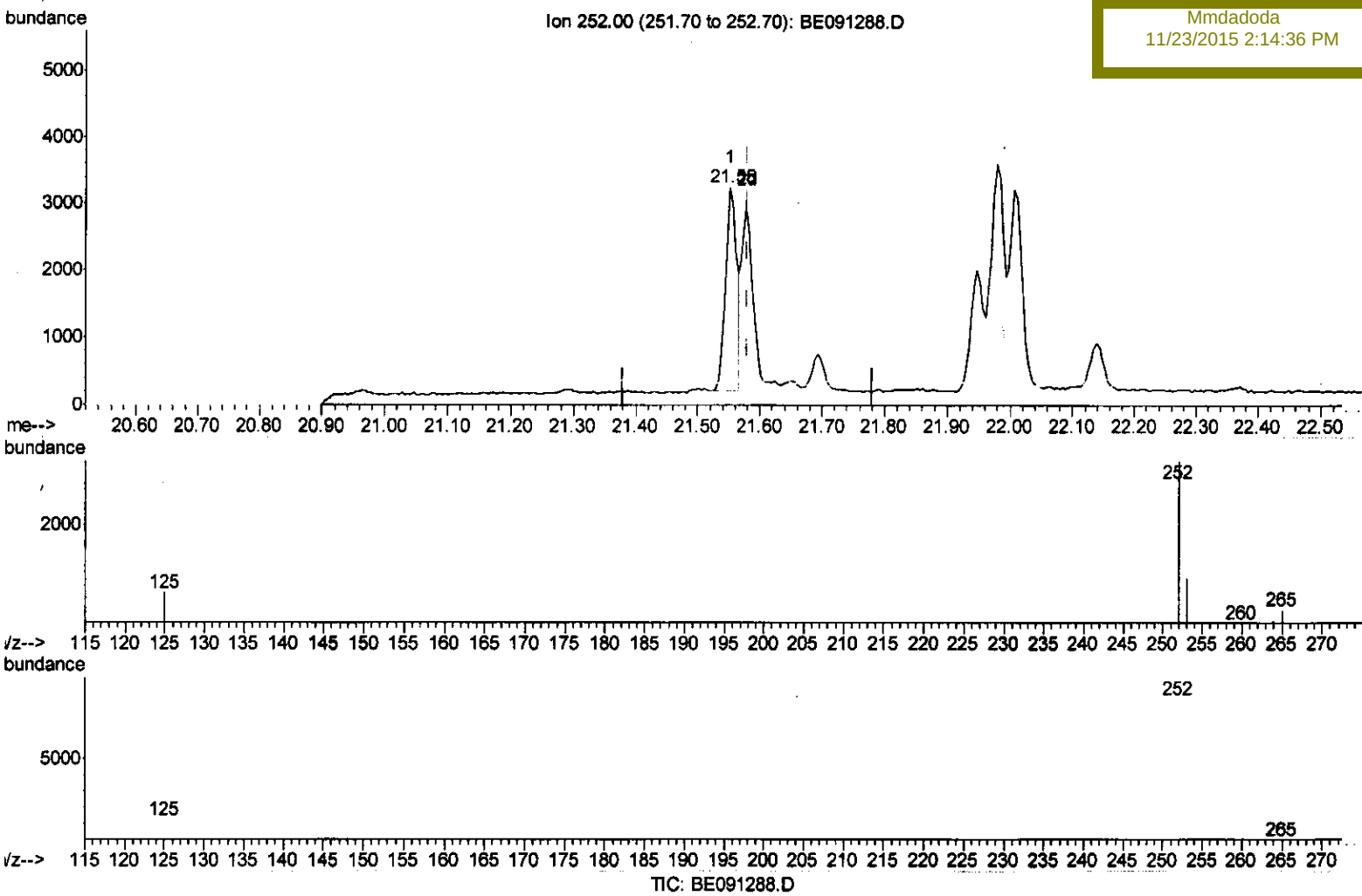
Instrument :
BNA_E
ClientSampleId :
A4J69

Manual Integrations APPROVED
Mmdadoda
11/23/2015 2:14:36 PM



(24) Benzo(k)fluoranthene

21.551min (-0.029) 0.08ng/ul

response 3747

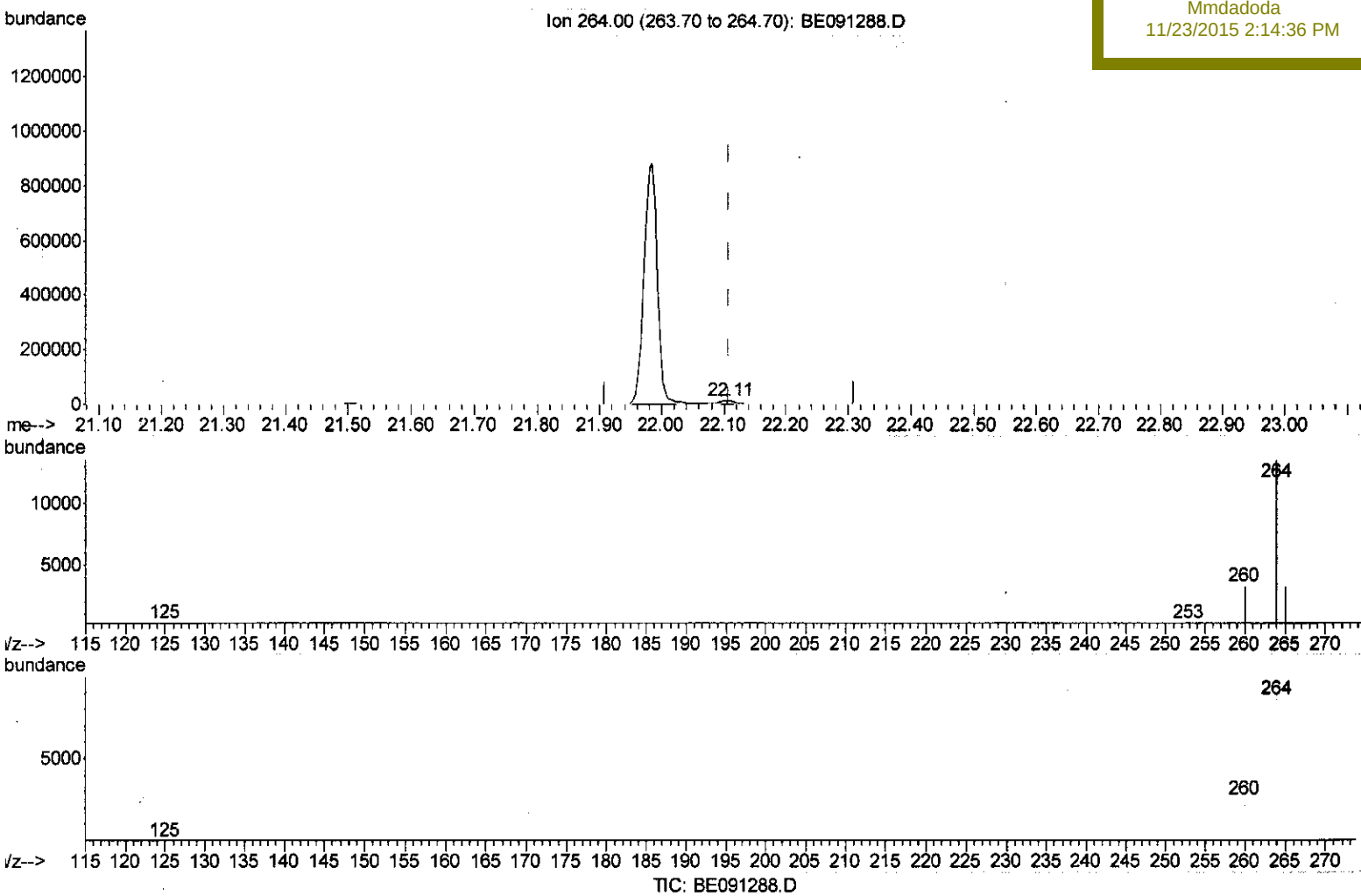
Ion	Exp%	Act%
252.00	100	100
253.00	26.00	29.51
125.00	15.30	20.53#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112215\
Data File : BE091288.D
Acq On : 21 Nov 2015 22:19
Operator : UM/NP
Sample : G4345-24
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 22 02:29:19 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 : Sun Nov 22 01:59:17 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
A4J69

Manual Integrations APPROVED
Mmdadoda
11/23/2015 2:14:36 PM



(22) Perylene-d12 (I)

22.107min (-0.002) 0.40ng/ul m

response 15168

U.M 11/25/15

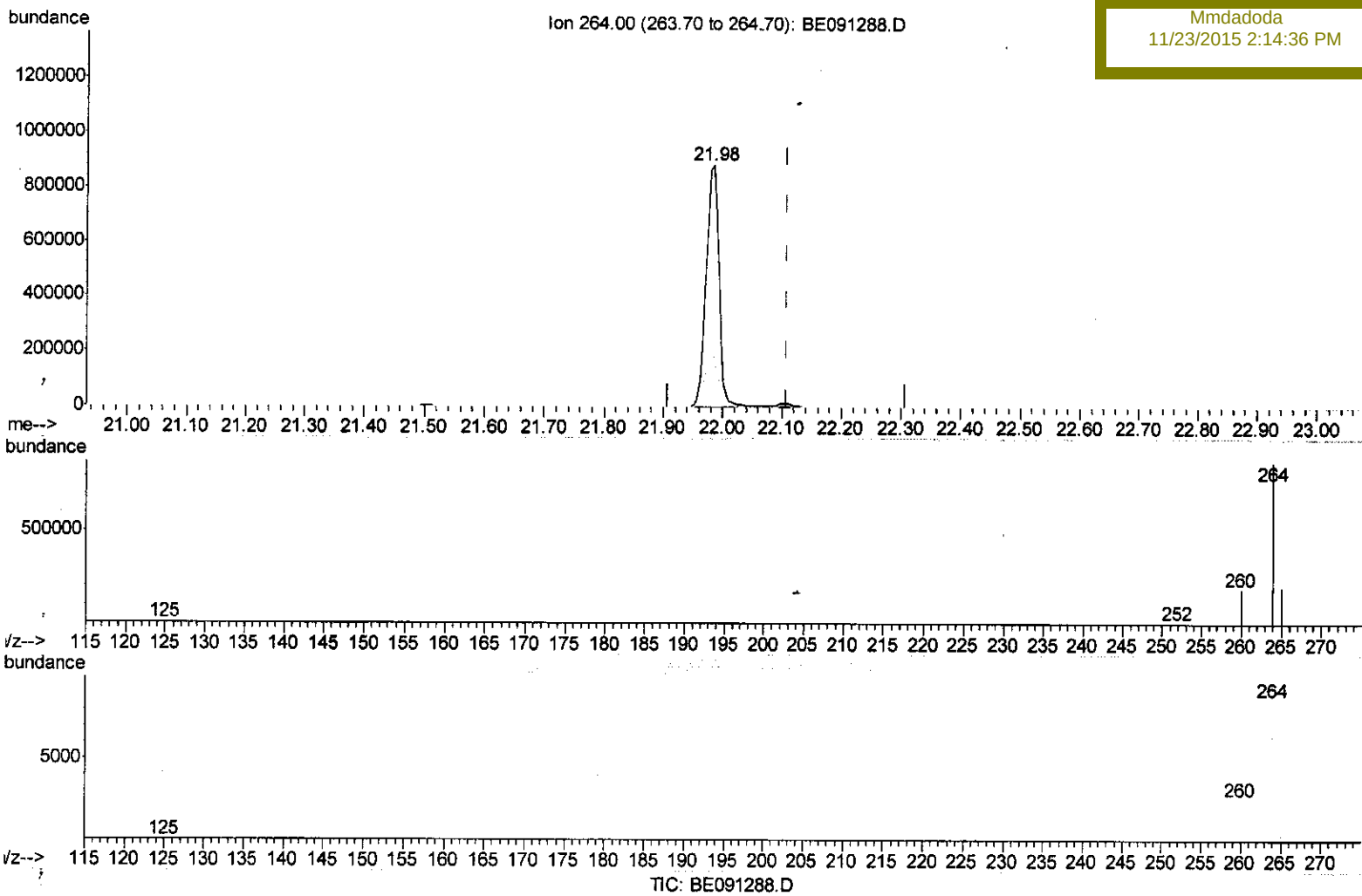
Ion	Exp%	Act%
264.00	100	100
260.00	28.90	24.51
265.00	34.70	24.49#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112215\
Data File : BE091288.D
Acq On : 21 Nov 2015 22:19
Operator : UM/NP
Sample : G4345-24
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 22 02:29:19 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 : Sun Nov 22 01:59:17 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
A4J69

Manual Integrations APPROVED
Mmdadoda
11/23/2015 2:14:36 PM



(22) Perylene-d12 (I)

21.984min (-0.125) 0.40ng/ul

response 1314054

Ion	Exp%	Act%
264.00	100	100
260.00	28.90	21.10#
265.00	34.70	22.74#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112215\
Data File : BE091288.D
Acq On : 21 Nov 2015 22:19
Operator : UM/NP
Sample : G4345-24
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 22 02:29:19 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
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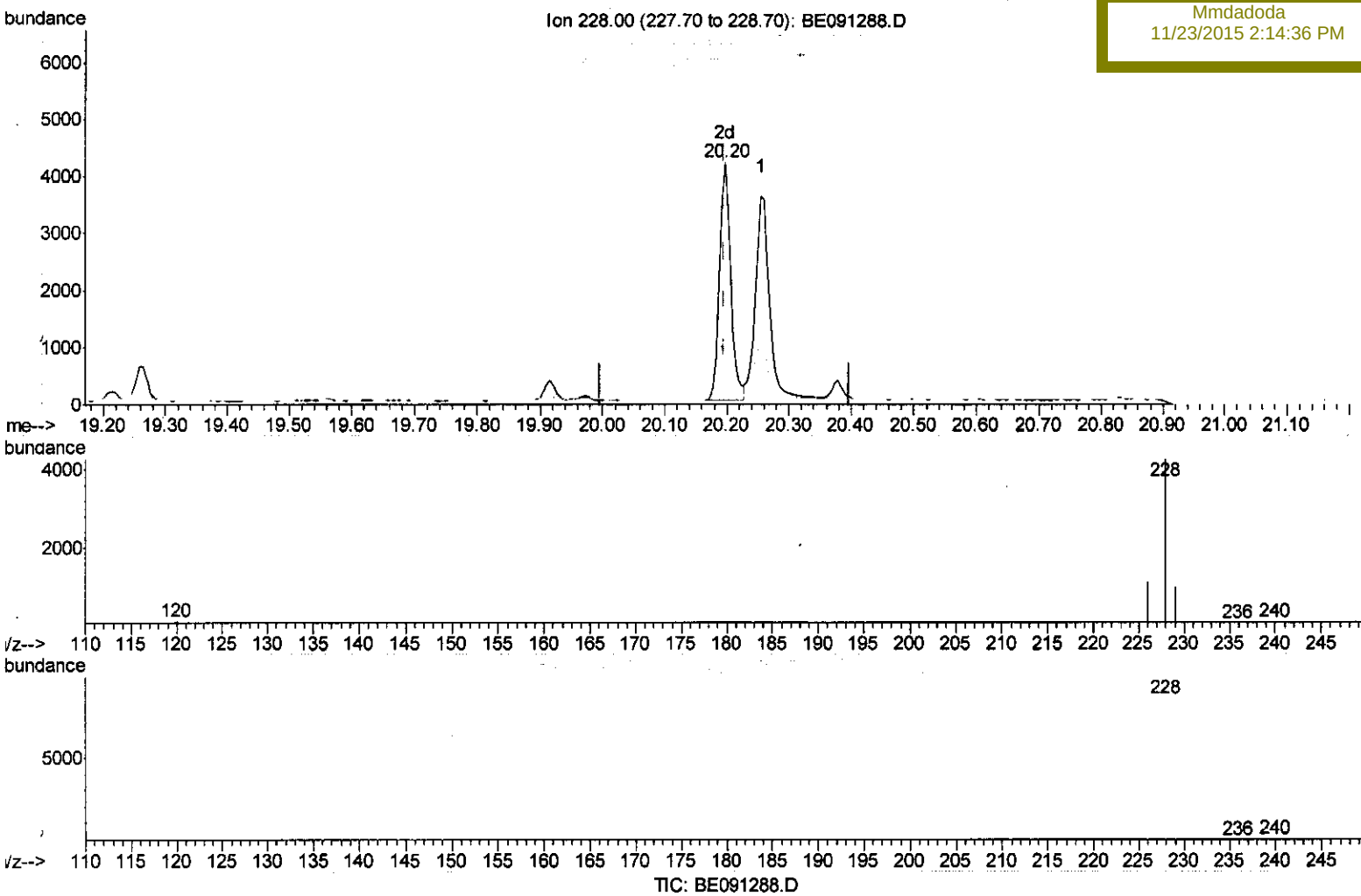
QLast Update : Sun Nov 22 01:59:17 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
A4J69

Manual Integrations APPROVED
Mmdadoda
11/23/2015 2:14:36 PM



(20) Benzo(a)anthracene

20.196min (-0.001) 0.10ng/ul m

response 5129

U.M 11/25/15

Ion	Exp%	Act%
228.00	100	100
226.00	28.70	26.28
229.00	19.00	23.22#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112215\
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Operator : UM/NP
Sample : G4345-24
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 22 02:29:19 2015
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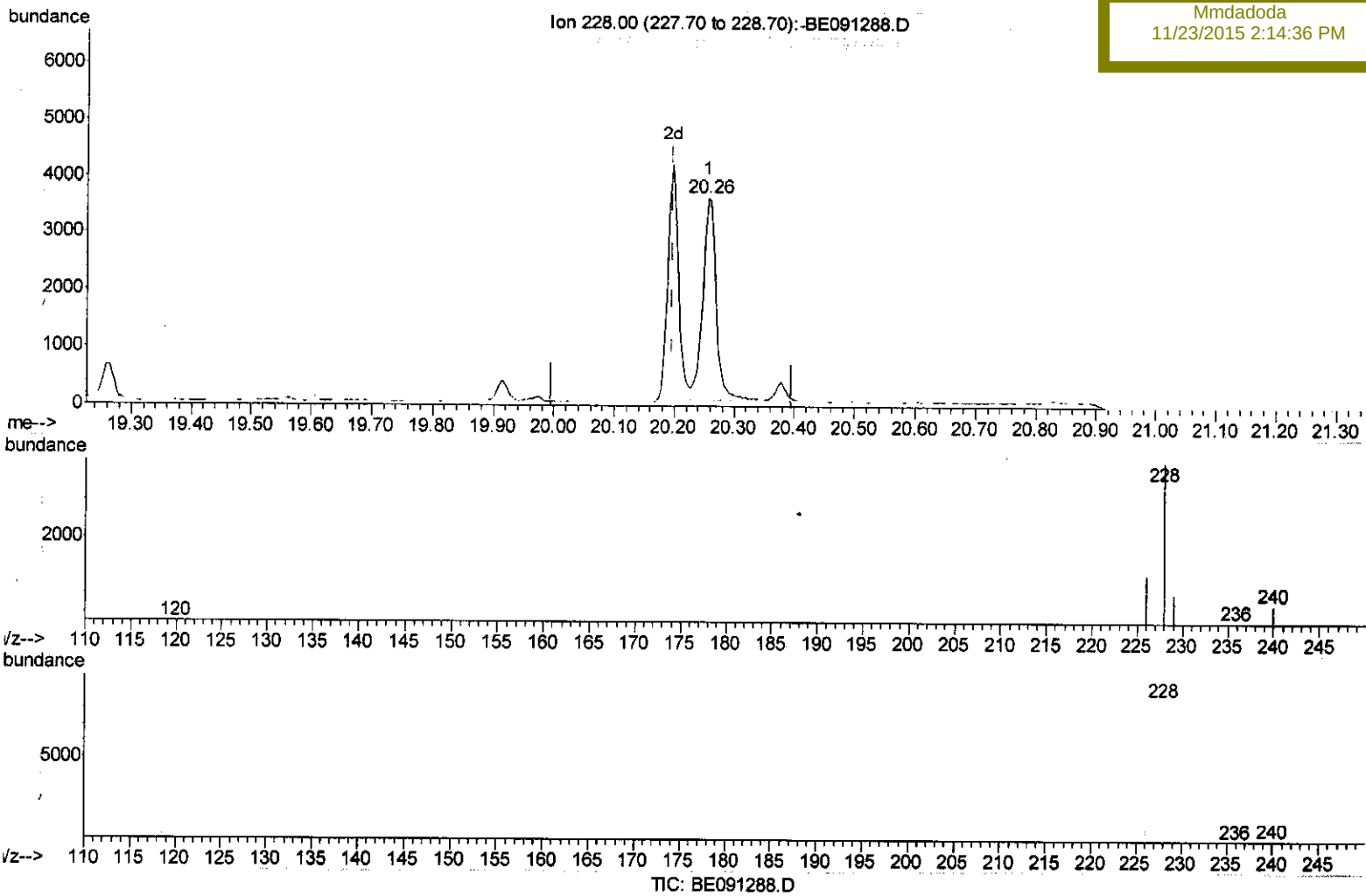
Instrument :
BNA_E
ClientSampleId :
A4J69

Manual Integrations APPROVED
Mmdadoda
11/23/2015 2:14:36 PM



TIC: BE091288.D

(20) Benzo(a)anthracene

20.255min (+0.058) 0.11ng/ul

response 5503

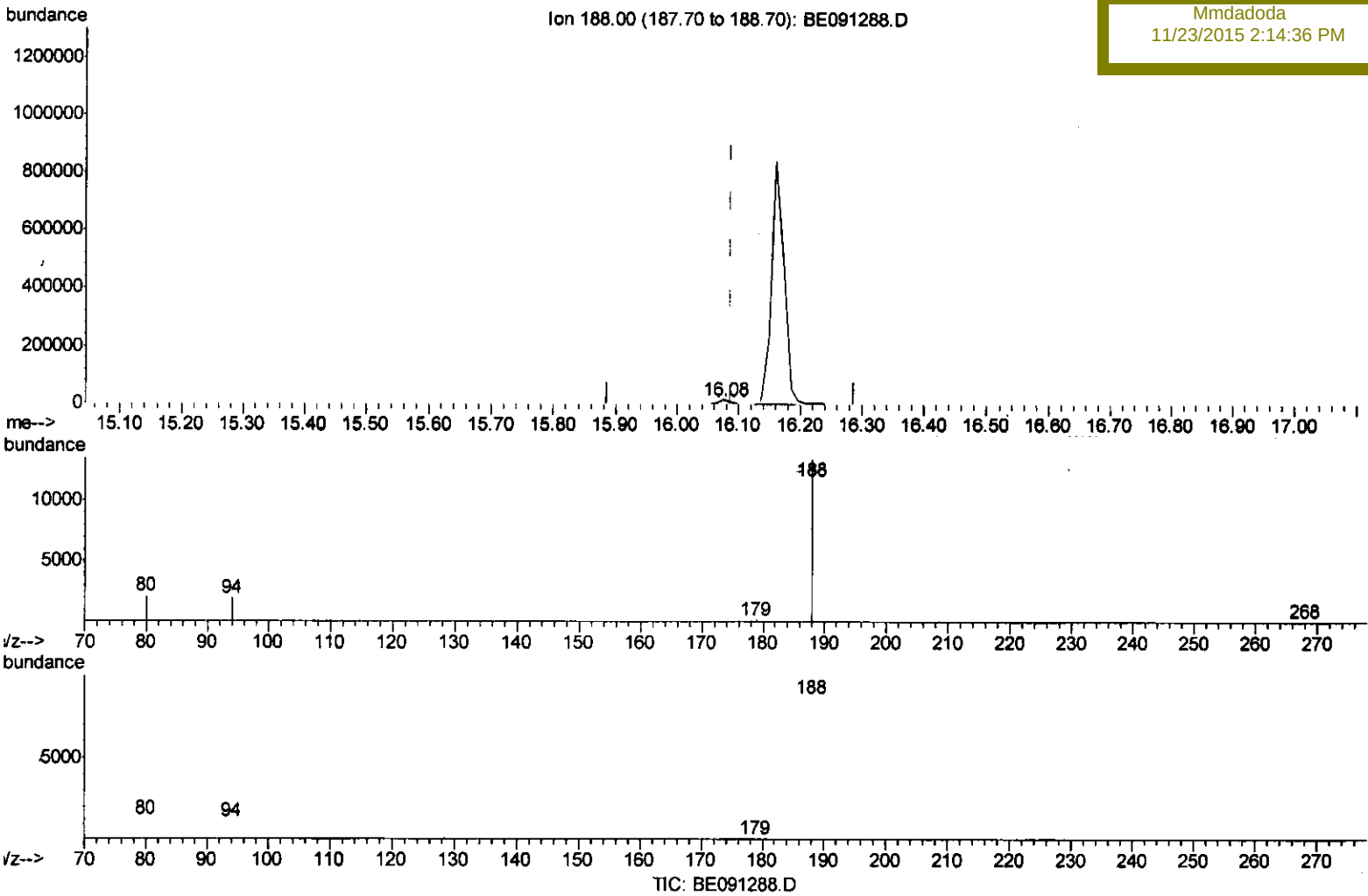
Ion	Exp%	Act%
228.00	100	100
226.00	28.70	33.03
229.00	19.00	22.52
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112215\
Data File : BE091288.D
Acq On : 21 Nov 2015 22:19
Operator : UM/NP
Sample : G4345-24
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 22 02:03:50 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 : Sun Nov 22 01:59:17 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
A4J69

Manual Integrations APPROVED
Mmdadoda
11/23/2015 2:14:36 PM



(12) Phenanthrene-d10 (I)

16.076min (-0.012) 0.40ng/ul m

response 17613

U.M 11/25/15

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	14.46#
80.00	8.90	15.65#
0.00	0.00	0.00

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Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 22 02:03:50 2015
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ClientSampleId :
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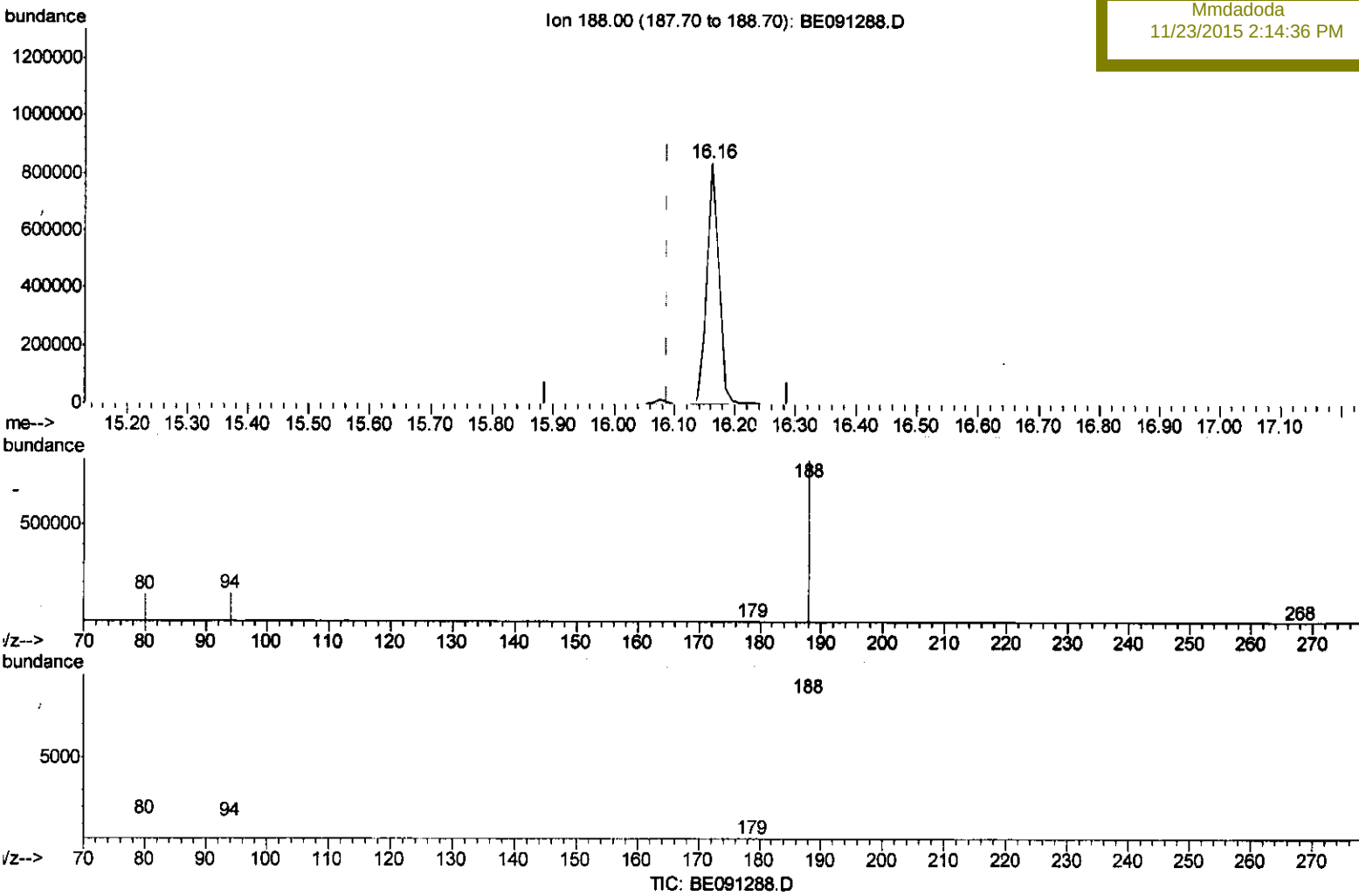
Manual Integrations APPROVED
Mmdadoda
11/23/2015 2:14:36 PM



TIC: BE091288.D

(12) Phenanthrene-d10 (I)

16.161min (+0.073) 0.40ng/ul

response 1188109

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	17.49#
80.00	8.90	16.54#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

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Data File : BE091288.D
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Operator : UM/NP
Sample : G4345-24
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
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Manual Integrations APPROVED
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Quant Time: Nov 23 10:35:52 2015
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	2838	0.40	ng/ul	-0.02
4) Naphthalene-d8	9.54	136	13352	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	7657	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.08	188	17613m	0.40	ng/ul	-0.01
18) Chrysene-d12	20.23	240	19417	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	15168m	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.92	96	22867	11.20	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.05	152	5462	0.30	ng/ul	0.00
16) Fluoranthene-d10	18.06	212	14163	0.29	ng/ul	0.00
Target Compounds						Qvalue
10) Acenaphthene	13.42	153	760	0.03	ng/ul	92
11) Fluorene	14.40	166	1246	0.04	ng/ul#	93
13) Pentachlorophenol	15.86	266	199	0.12	ng/ul	94
14) Phenanthrene	16.11	178	65310	0.32	ng/ul	100
17) Fluoranthene	18.09	202	63269	0.27	ng/ul	90
20) Benzo(a)anthracene	20.20	228	5129m	0.10	ng/ul	
21) Chrysene	20.26	228	5599	0.10	ng/ul	96
23) Benzo(b)fluoranthene	21.55	252	3747	0.08	ng/ul	91
24) Benzo(k)fluoranthene	21.58	252	3460m	0.07	ng/ul	
26) Indeno(1,2,3-cd)pyrene	23.71	276	8727	0.05	ng/ul	94
28) Benzo(g,h,i)perylene	24.26	276	10026m	0.05	ng/ul	

U.M
11/25/15

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