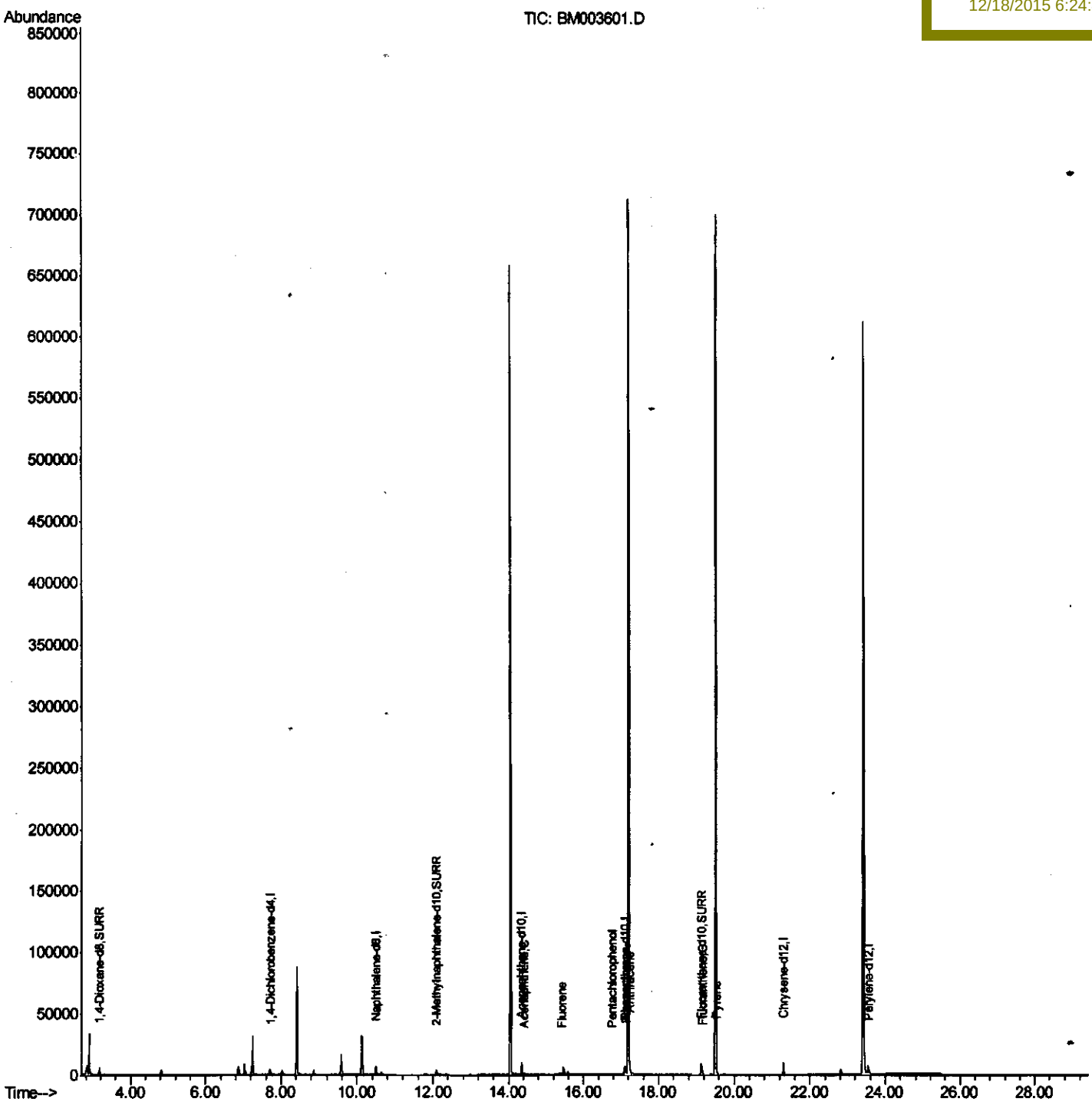
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\Data\bm121715\
Data File : BM003601.D
Acq On : 17 Dec 2015 16:16
Operator : UM/IZ
Sample : G4734-04MSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 04 03:17:25 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 18 00:41:46 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4KW2MSD

Manual Integrations APPROVED
MMdadoda
12/18/2015 6:24:42 PM



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Data File : BM003601.D
Acq On : 17 Dec 2015 16:16
Operator : UM/IZ
Sample : G4734-04MSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 16:20:19 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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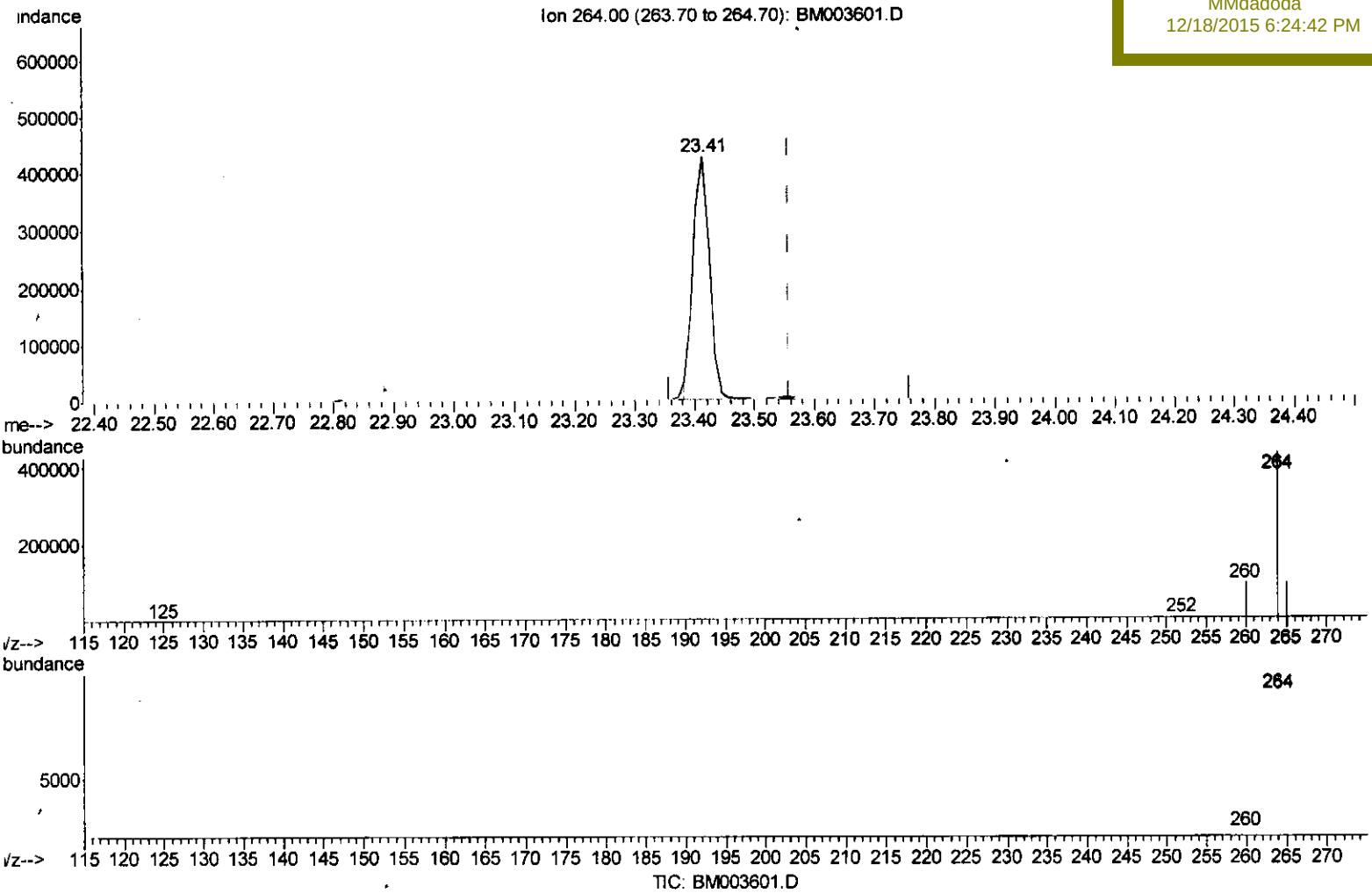

TIC: BM003601.D

(22) Perylene-d12 (I)

23.413min (-0.146) 0.40ng/ul

response 790566

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	21.15
265.00	38.20	21.62#
0.00	0.00	0.00

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Samp o : G4734-04MSD
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BNA_M
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Manual Integrations APPROVED
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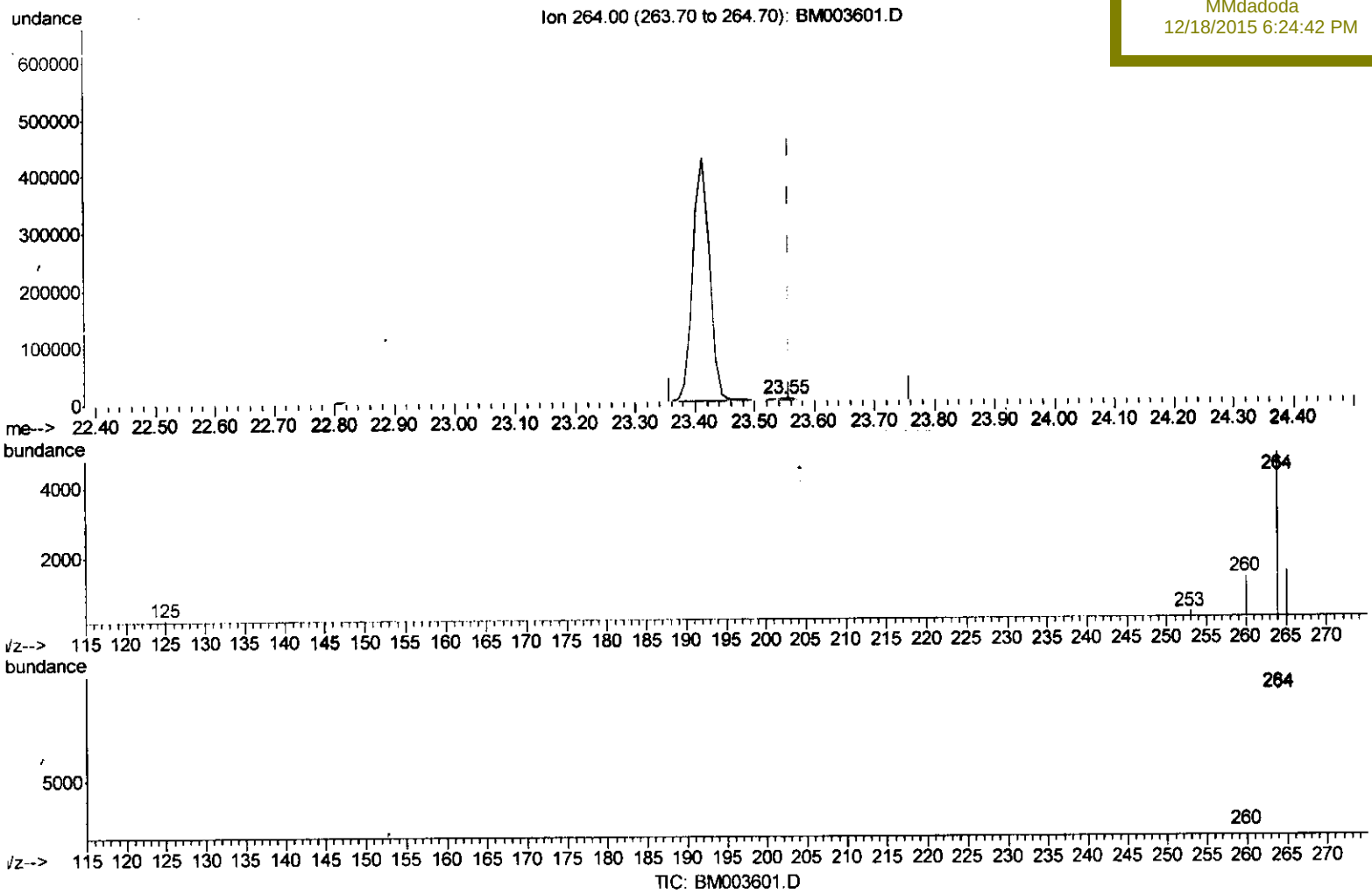
12/18/2015 6:24:42 PM



(22) Perylene-d12 (I)

23.549min (-0.010) 0.40ng/ul m

response 8123

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	27.34
265.00	38.20	31.55
0.00	0.00	0.00

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Data File : BM003601.D
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Operator : UM/IZ
Sample : G4734-04MSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 16:20:19 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
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QLast Update : Fri Dec 18 00:41:46 2015
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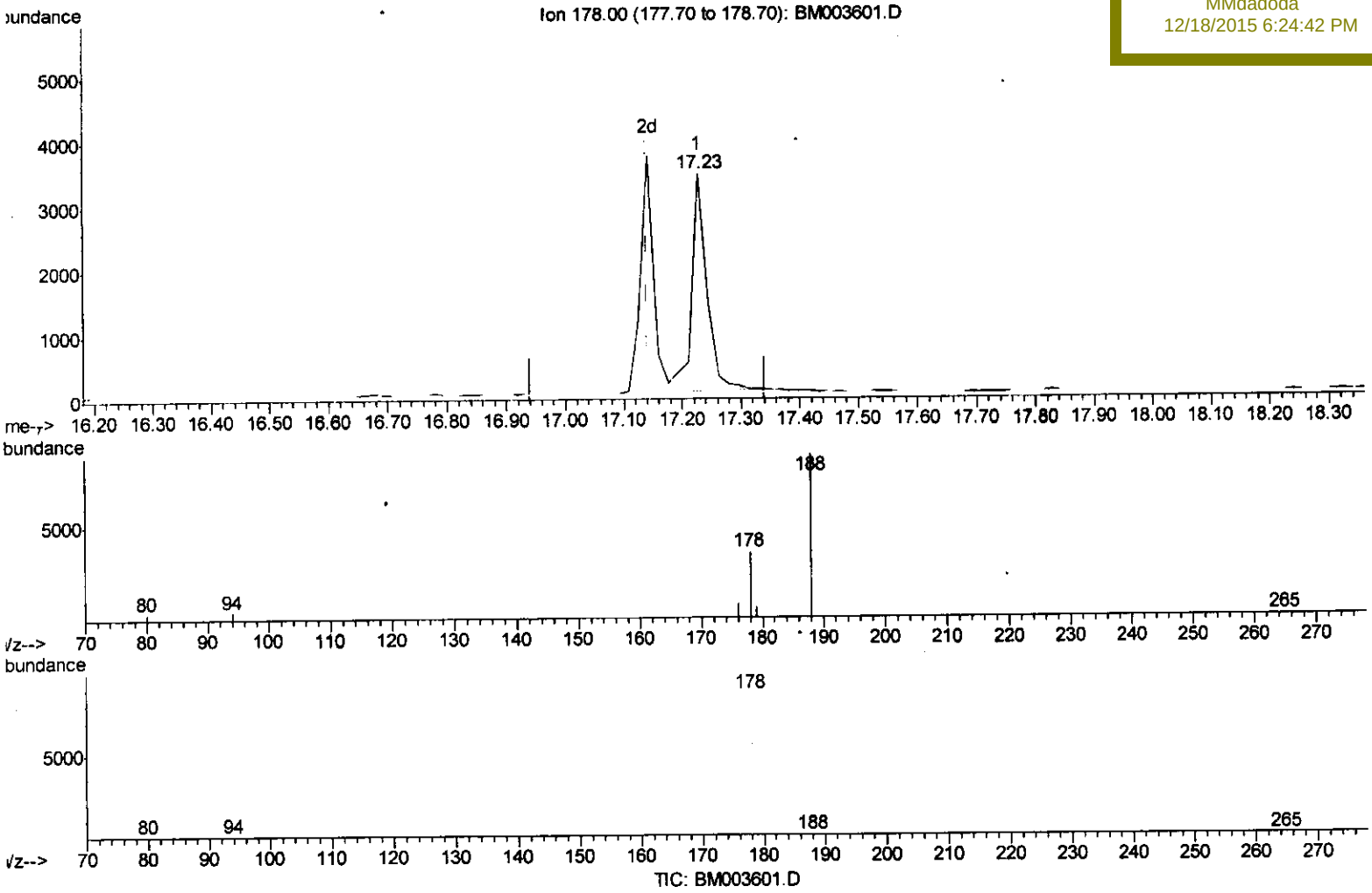
Instrument :
BNA_M
ClientSampleId :
A4KW2MSD

Manual Integrations APPROVED
MMdadoda
12/18/2015 6:24:42 PM



(14) Phenanthrene

17.228min (+0.086) 0.20ng/ul

response 6203

Ion	Exp%	Act%
178.00	100	100
176.00	16.20	21.22#
179.00	17.70	17.08
0.00	0.00	0.00

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Sample : G4734-04MSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

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Instrument :
BNA_M
ClientSampleId :
A4KW2MSD

Manual Integrations APPROVED
MMdadoda
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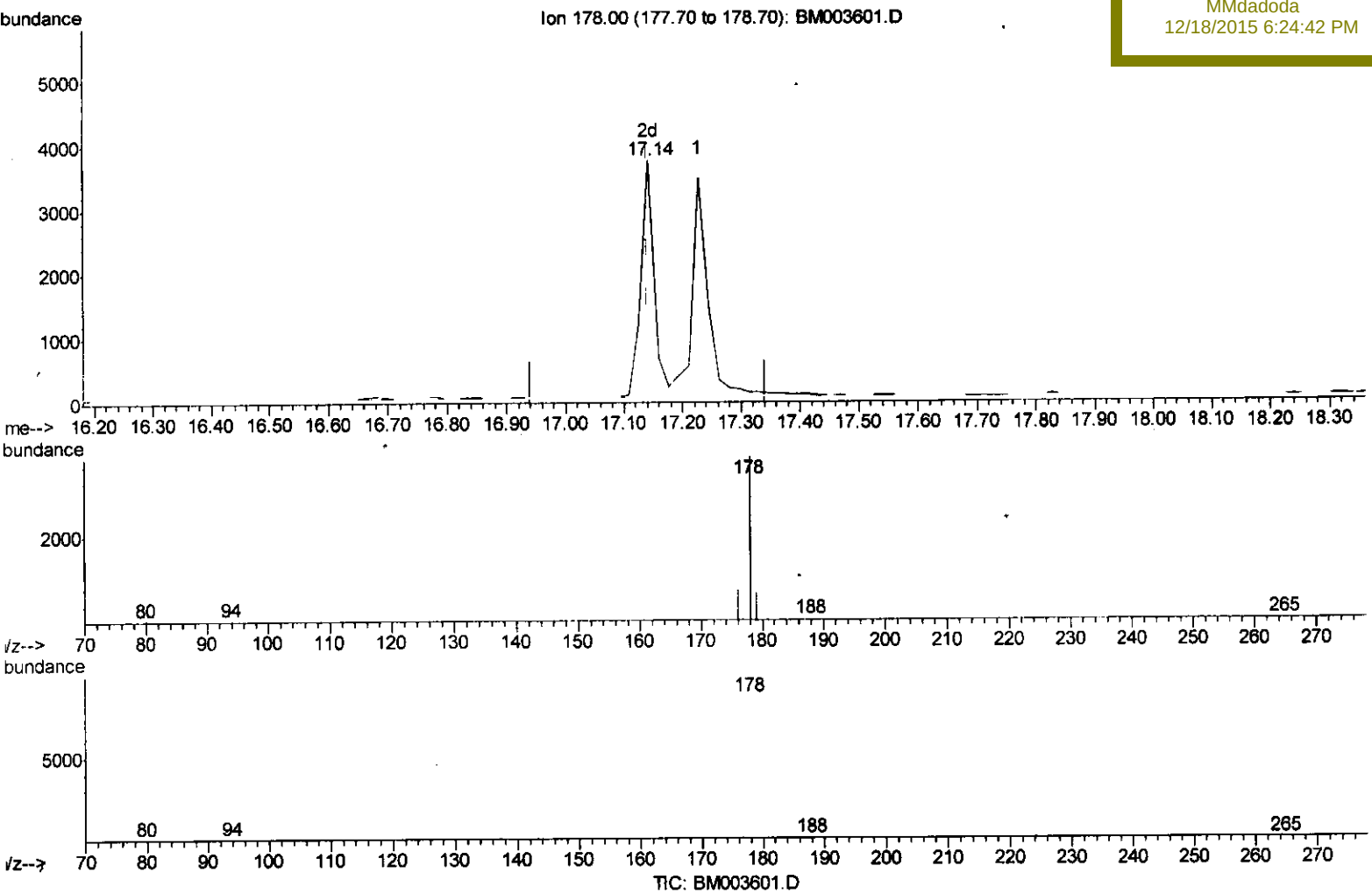

(14) Phenanthrene

17.142min (+0.000) 0.19ng/ul m

response 5822

Ion	Exp%	Act%
178.00	100	100
176.00	16.20	19.80#
179.00	17.70	17.36
0.00	0.00	0.00

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12/18/15

Data Path : Z:\HPCHEM1\BNA_M\Data\bm121715\
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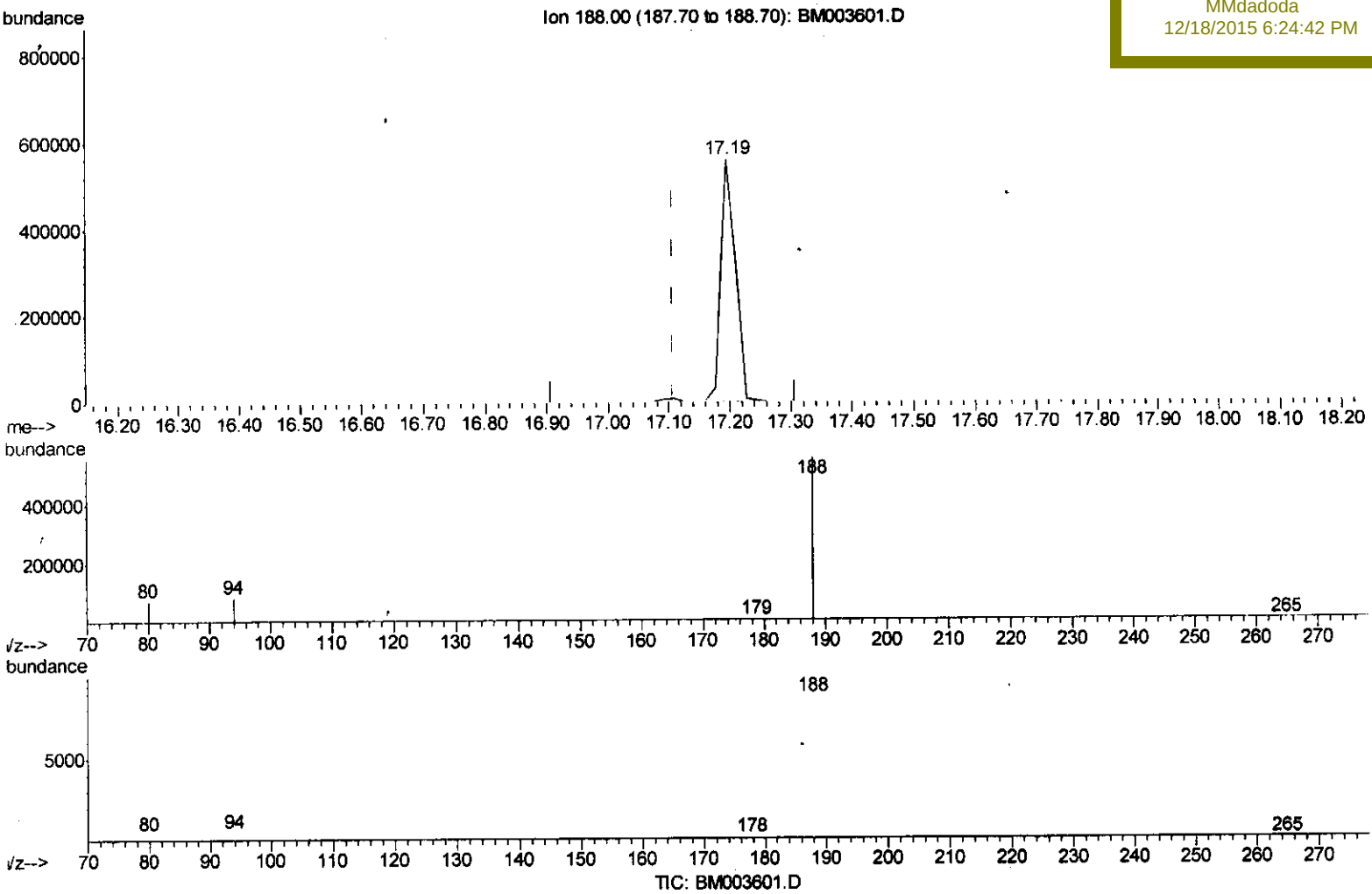
Acq On : 17 Dec 2015 16:16
Operator : UM/IZ
Sample : G4734-04MSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 16:18:14 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 18 00:41:46 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4KW2MSD

Manual Integrations APPROVED
MMdadoda
12/18/2015 6:24:42 PM



(12) Phenanthrene-d10 (I)

17.194min (+0.086) 0.40ng/ul

response 941641

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	14.69#
80.00	11.90	12.62
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\bm121715\
Data File : BM003601.D
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Operator : UM/IZ
Sample : G4734-04MSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 16:18:14 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 18 00:41:46 2015
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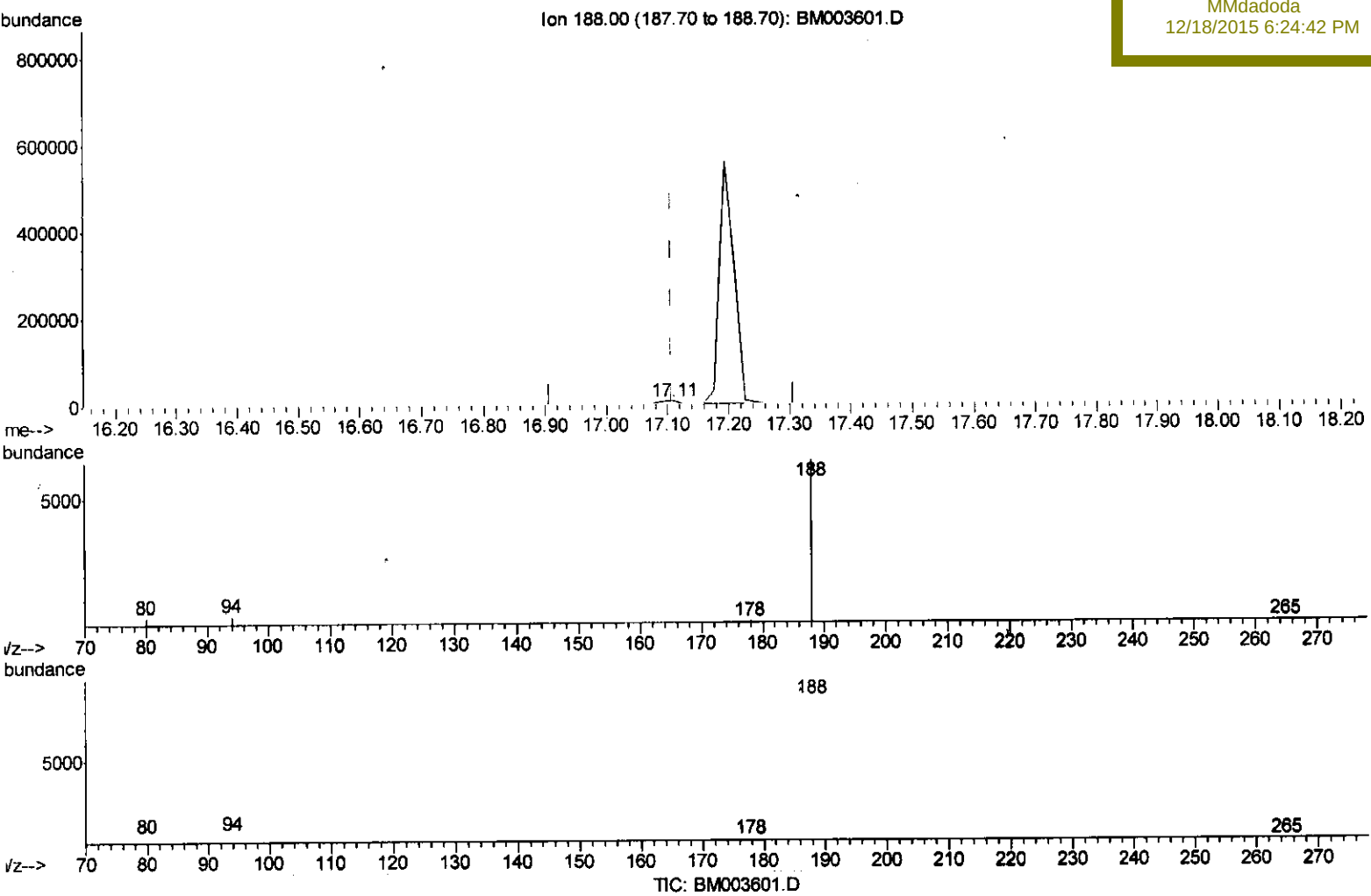
Instrument :
BNA_M
ClientSampleId :
A4KW2MSD

Manual Integrations APPROVED
MMdadoda
12/18/2015 6:24:42 PM



(12) Phenanthrene-d10 (I)

17.108min (+0.000) 0.40ng/ul m

response 12009

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	5.87#
80.00	11.90	5.18#
0.00	0.00	0.00

UM 12/18/15

Quantitation Report (QT Reviewed)

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Operator : UM/IZ
Sample : G4734-04MSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations APPROVED
MMdadoda
12/18/2015 6:24:42 PM

Quant Time: Jan 04 03:17:25 2016
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	2557	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	10588	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.35	164	6174	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.11	188	12009m	0.40	ng/ul	0.00
18) Chrysene-d12	21.31	240	9653	0.40	ng/ul	0.00
22) Perylene-d12	23.55	264	8123m	0.40	ng/ul	-0.01
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	4278	3.91	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.09	152	5331	0.42	ng/ul	0.00
16) Fluoranthene-d10	19.14	212	10736	0.42	ng/ul	0.00
Target Compounds						Qvalue
10) Acenaphthene	14.42	153	815	0.04	ng/ul#	89
11) Fluorene	15.41	166	865	0.04	ng/ul#	89
13) Pentachlorophenol	16.76	266	885	0.51	ng/ul	95
14) Phenanthrene	17.14	178	5822m	0.19	ng/ul	
15) Anthracene	17.23	178	6323	0.24	ng/ul#	94
17) Fluoranthene	19.17	202	4020	0.12	ng/ul	92
19) Pyrene	19.54	202	4554	0.17	ng/ul#	93

U.M 12/18/15

U.M 12/18/15

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