

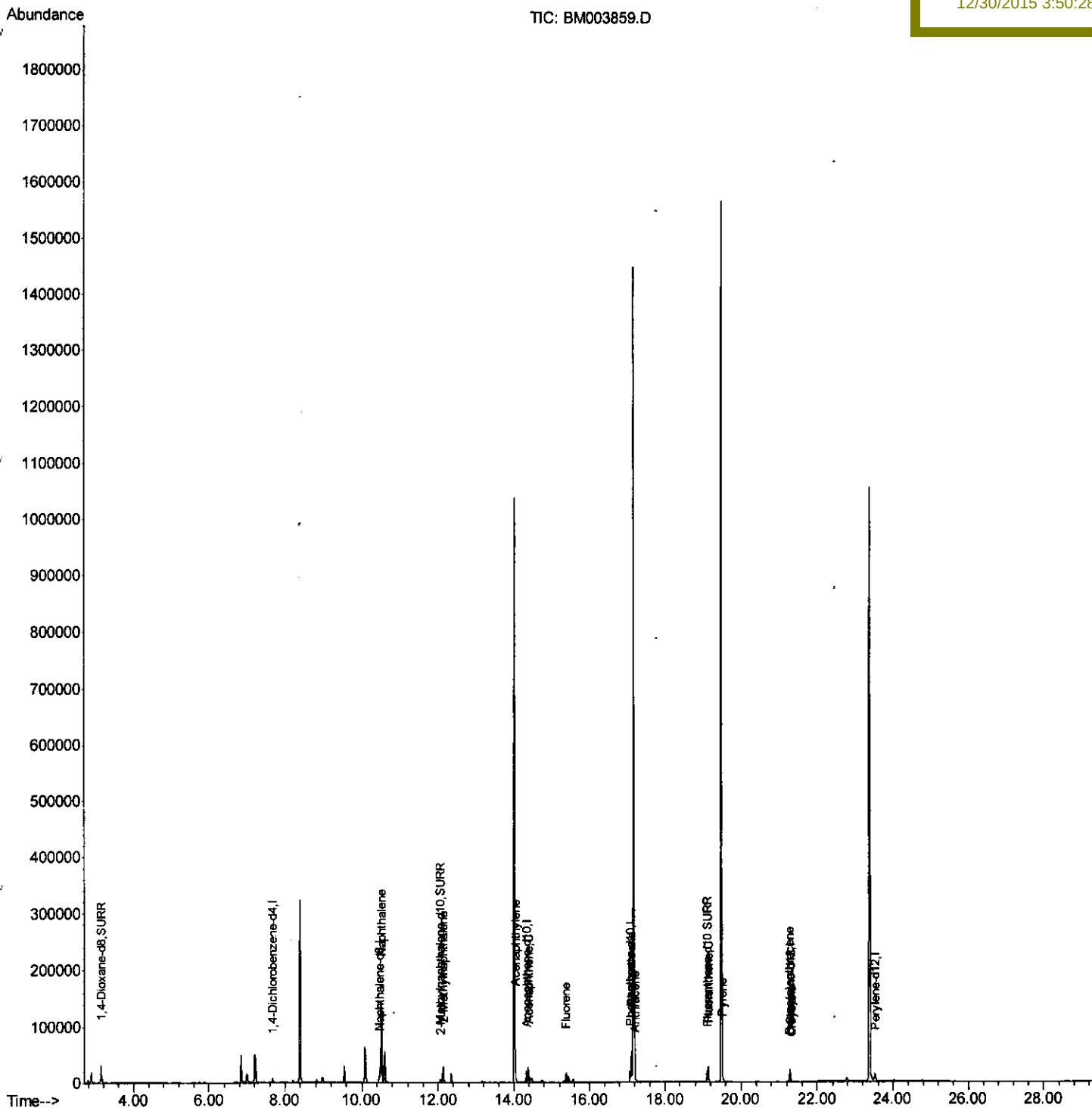
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123115\
Data File : BM003859.D
Acq On : 29 Dec 2015 21:09
Operator : SJ/UM
Sample : G4848-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9N65

Quant Time: Dec 30 04:41:43 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 : Wed Dec 30 03:30:26 2015
Response via : Initial Calibration

Manual Integrations
APPROVED

Sohil
12/30/2015 3:50:28 PM



Quantitation Report (Qedit)

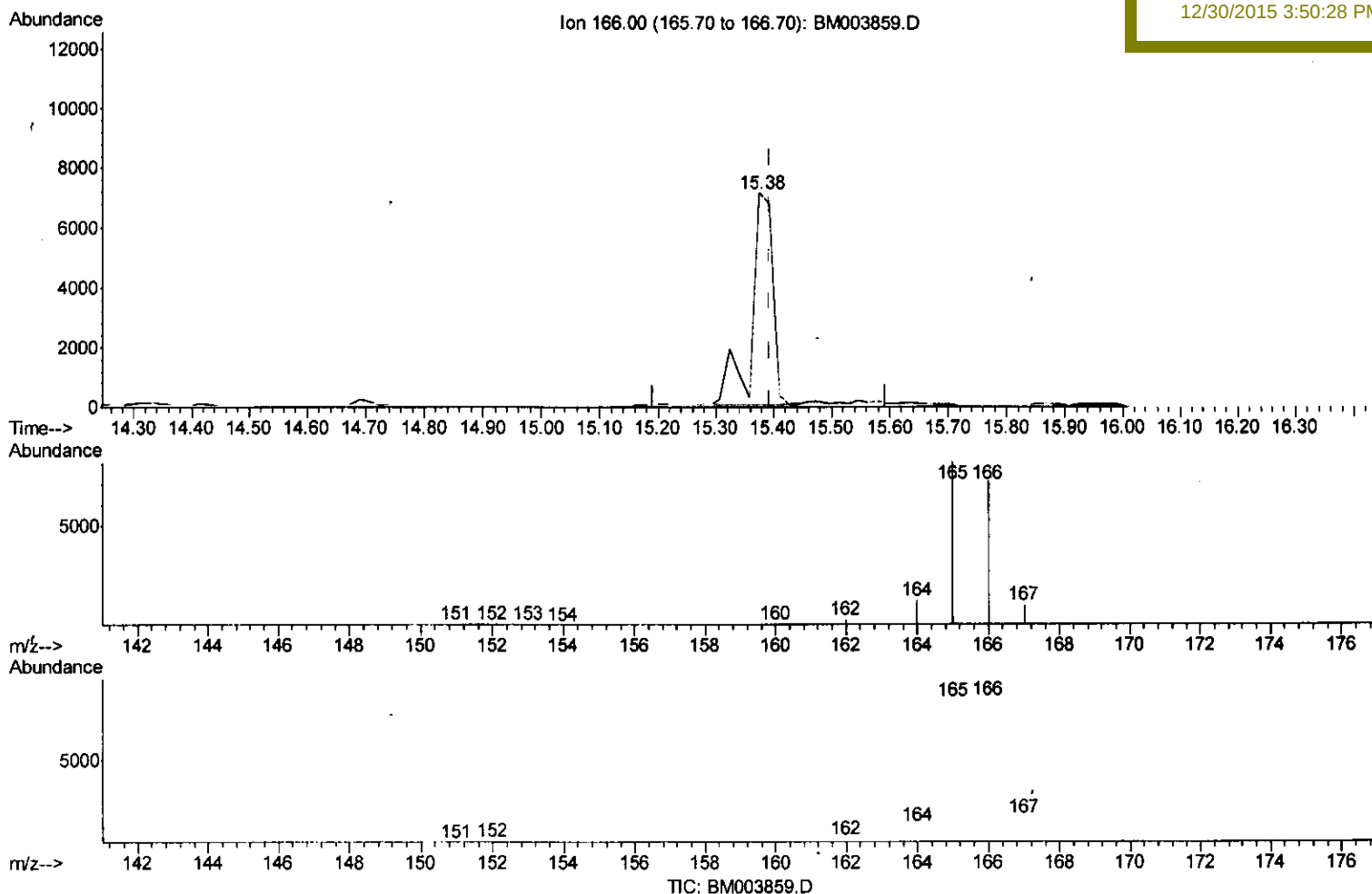
Data Path : Z:\HPCHEM1\BNA M\Data\BM123115\
 Data File : BM003859.D
 Acq On : 29 Dec 2015 21:09
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 ClientSampleId :
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Manual Integrations
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 12/30/2015 3:50:28 PM

Quant Time: Dec 30 03:34:10 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 : Wed Dec 30 03:30:26 2015
 Response via : Initial Calibration



(11) Fluorene

15.376min (-0.017) 0.46ng/ul

response 18207

Ion	Exp%	Act%
166.00	100	100
165.00	87.00	112.94#
167.00	14.90	14.45
0.00	0.00	0.00

Quantitation Report (Qedit)

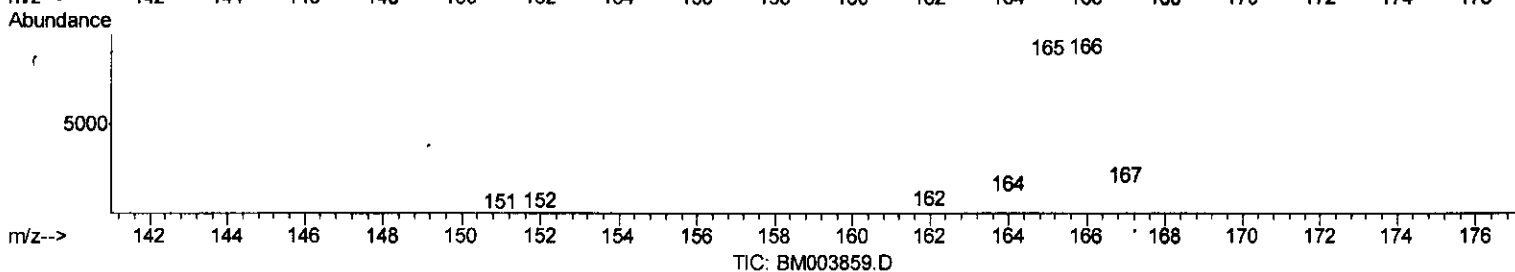
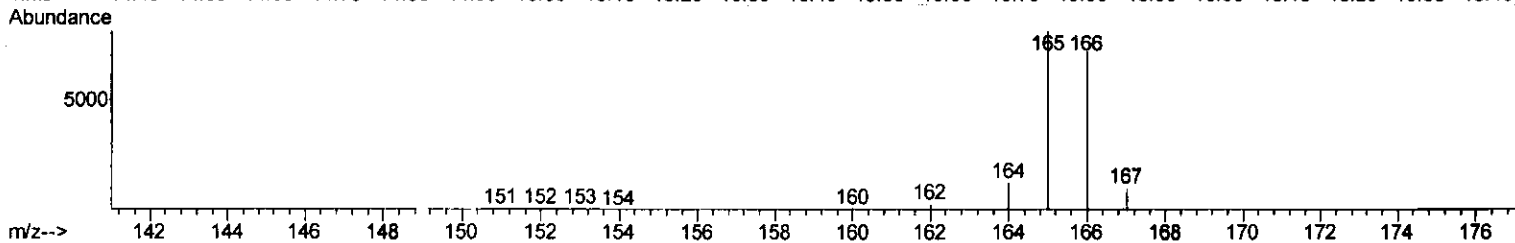
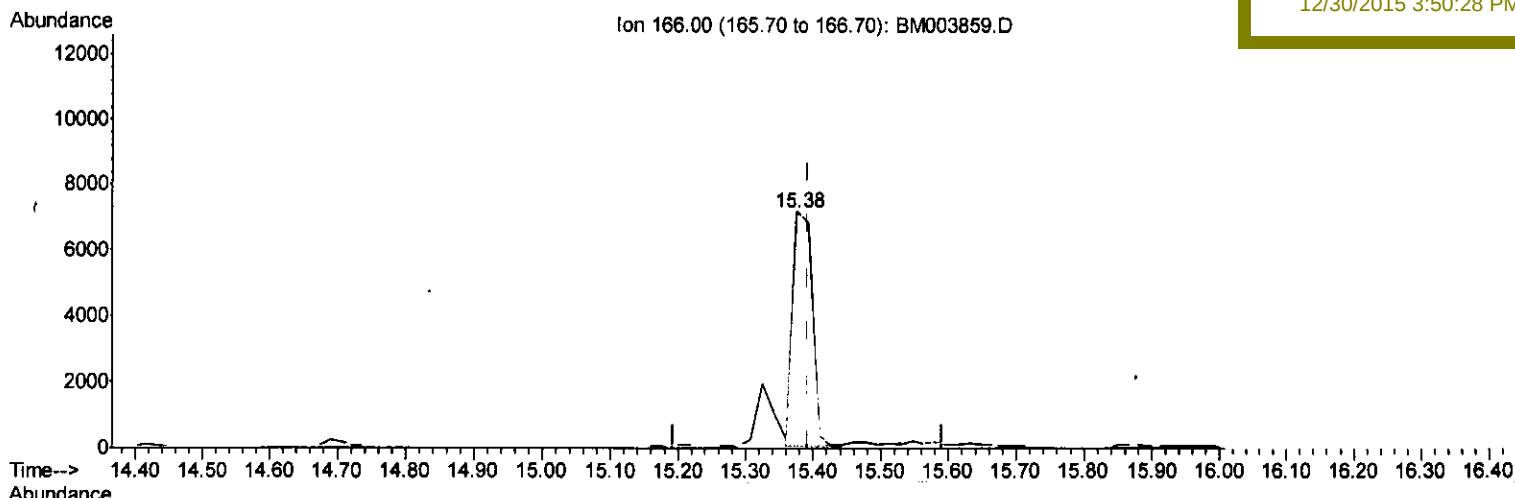
Data Path : Z:\HPCHEM1\BNA M\Data\BM123115\
 Data File : BM003859.D
 Acq On : 29 Dec 2015 21:09
 Operator : SJ/UM
 Sample : G4848-19
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
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Sohil
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Quant Time: Dec 30 03:34:10 2015
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 Response via : Initial Calibration



(11) Fluorene

15.376min (-0.017) 0.37ng/ul m

response 14739

U.M
 1/1/16

Ion	Exp%	Act%
166.00	100	100
165.00	87.00	112.94#
167.00	14.90	14.45
0.00	0.00	0.00

Quantitation Report (Qedit)

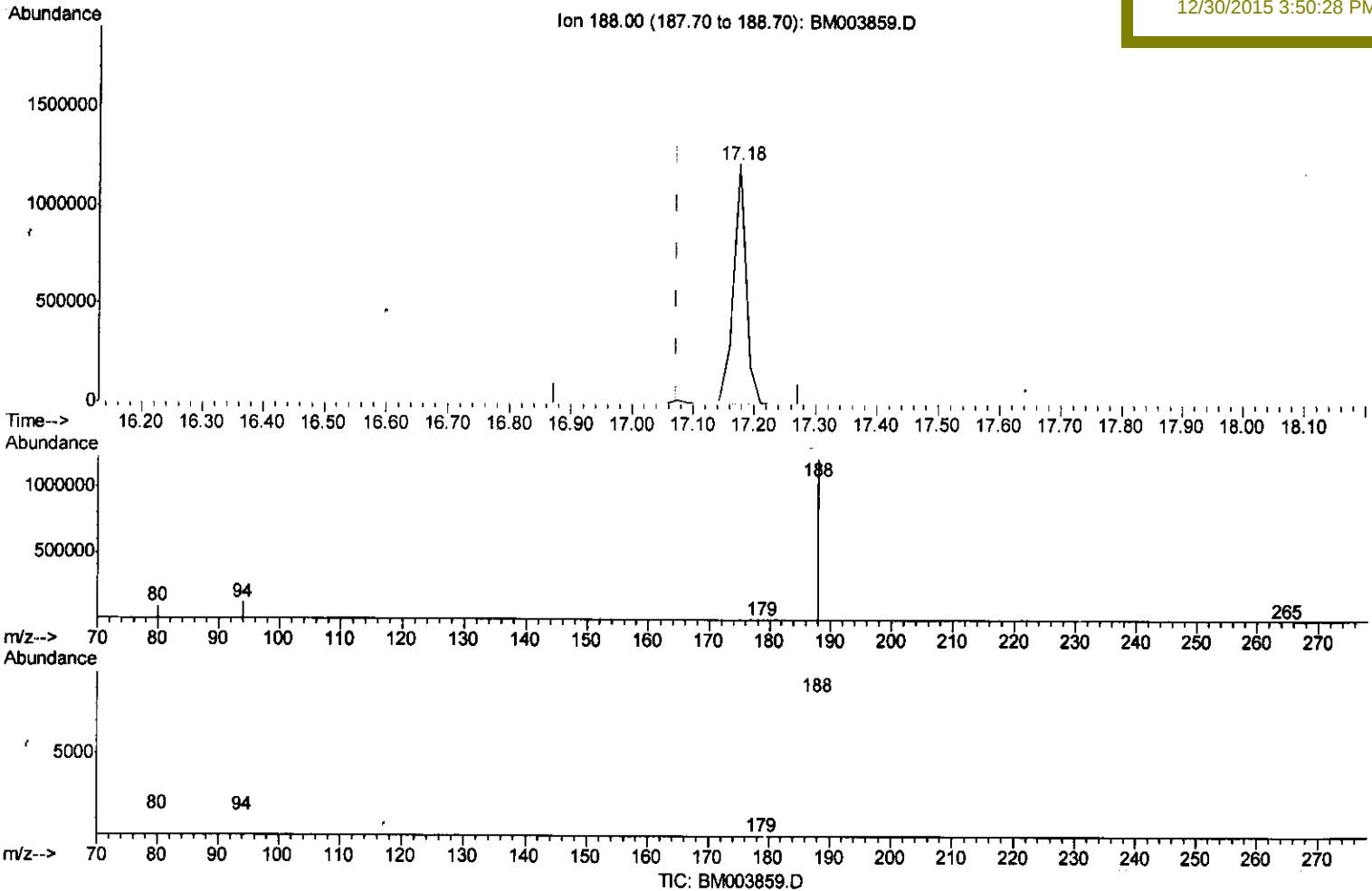
Data Path : Z:\HPCHEM1\BNA M\Data\BM123115\
 Data File : BM003859.D
 Acq On : 29 Dec 2015 21:09
 Operator : SJ/UM
 Sample : G4848-19
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 30 03:34:10 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM121515.M
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 QLast Update : Wed Dec 30 03:30:26 2015
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Instrument :
 BNA_M
 ClientSampleId :
 D9N65

Manual Integrations
 APPROVED

Sohil
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(12) Phenanthrene-d10 (I)

17.176min (+0.103) 0.40ng/ul

response 1759229

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	10.09
80.00	11.90	7.86#
0.00	0.00	0.00

Quantitation Report (Qedit)

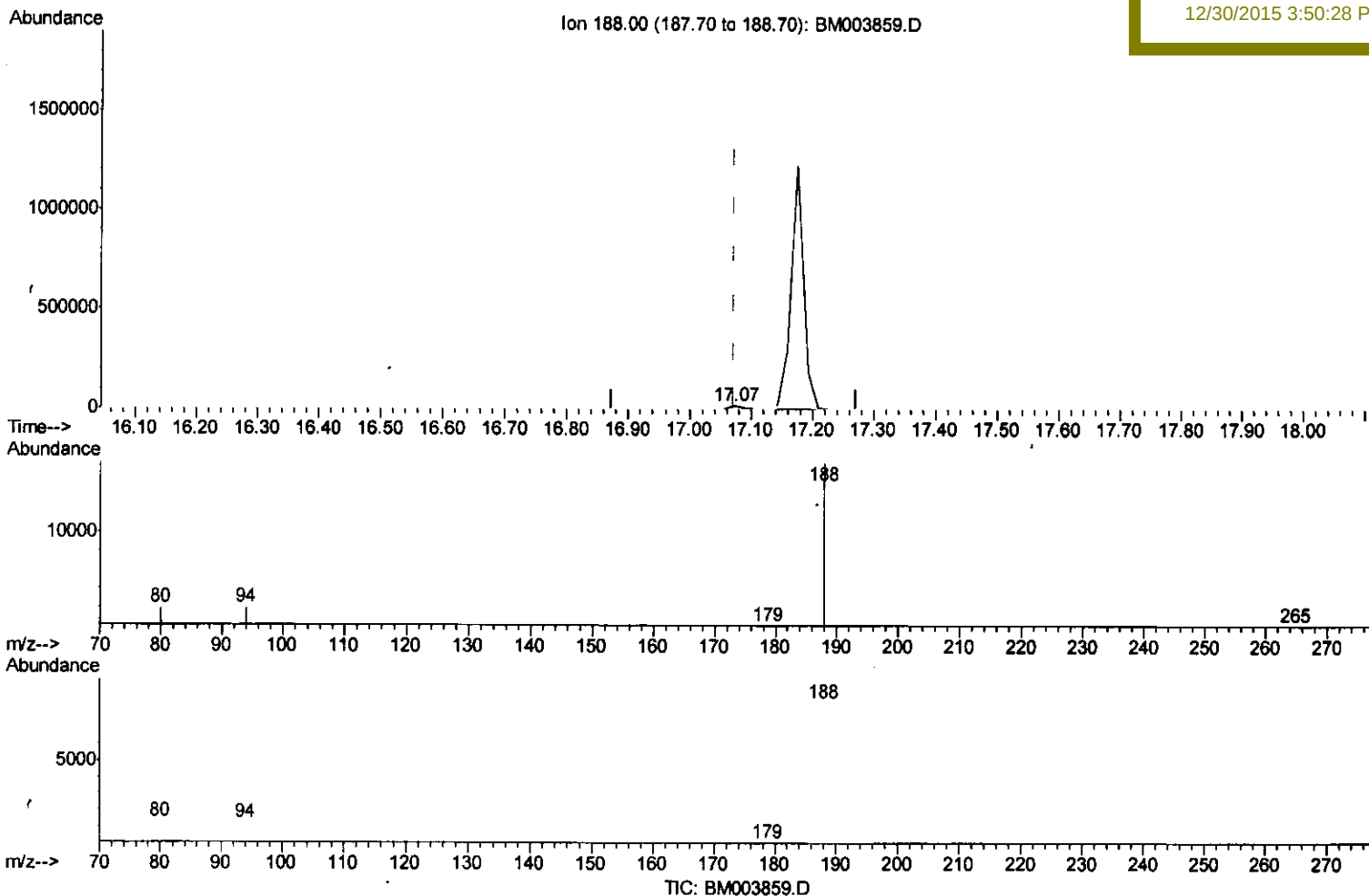
Data Path : Z:\HPCHEM1\BNA M\Data\BM123115\
 Data File : BM003859.D
 Acq On : 29 Dec 2015 21:09
 Operator : SJ/UM
 Sample : G4848-19
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

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Instrument :
 BNA_M
 ClientSampleId :
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Manual Integrations
 APPROVED

Sohil
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(12) Phenanthrene-d10 (I)

17.073min (-0.000) 0.40ng/ul m U.M

response 25870

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	10.70
80.00	11.90	10.84
0.00	0.00	0.00

Quantitation Report (Qedit)

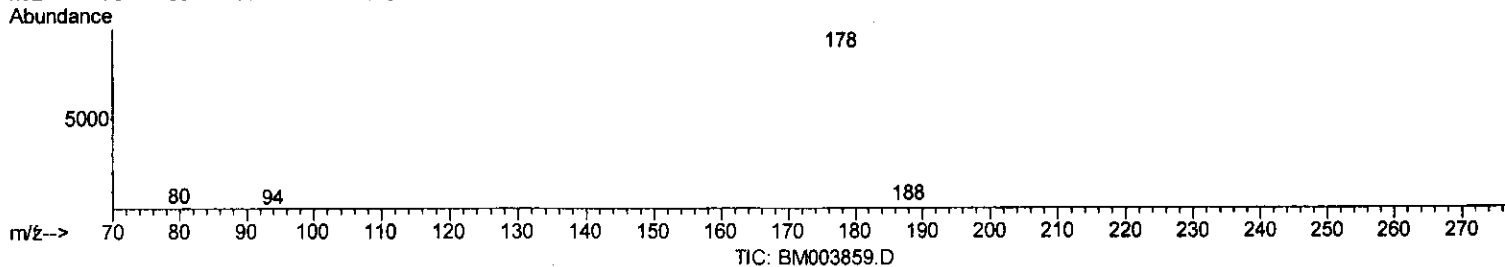
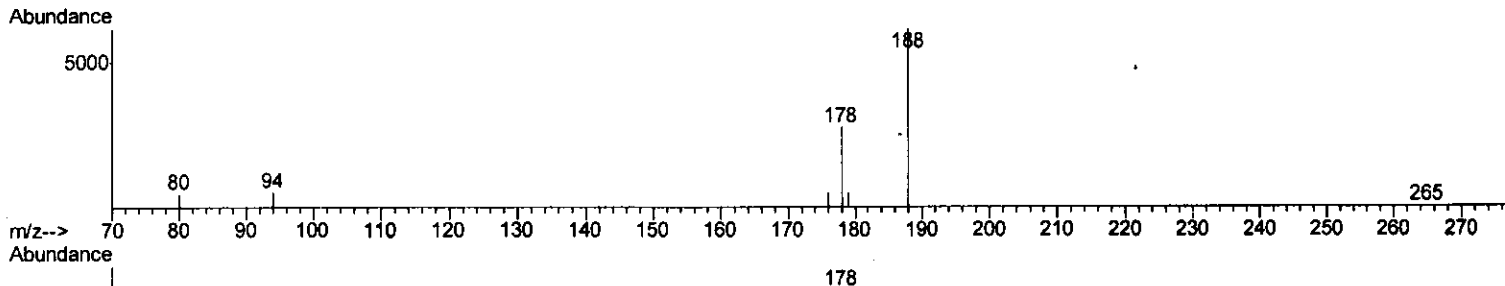
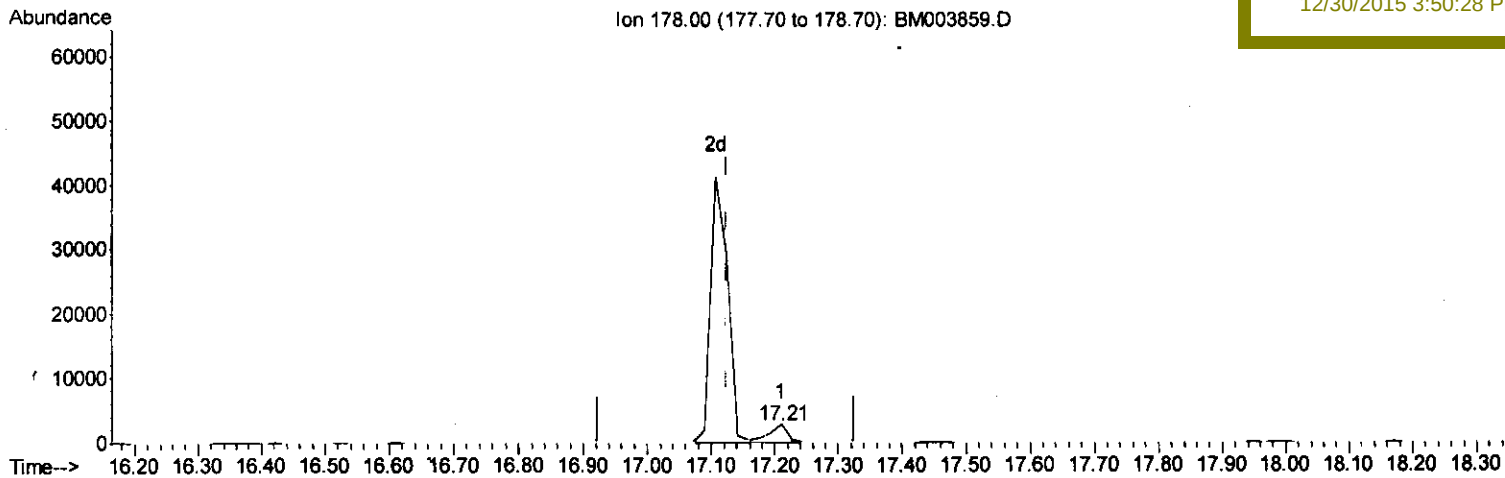
Data Path : Z:\HPCHEM1\BNA M\Data\BM123115\
 Data File : BM003859.D
 Acq On : 29 Dec 2015 21:09
 Operator : SJ/UM
 Sample : G4848-19
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 30 04:37:57 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 : Wed Dec 30 03:30:26 2015
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Instrument :
 BNA_M
 ClientSampleId :
 D9N65

Manual Integrations
 APPROVED

Sohil
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(14) Phenanthrene

17.210min (+0.086) 0.08ng/ul

response 5350

Ion	Exp%	Act%
178.00	100	100
176.00	16.20	19.12
179.00	17.70	20.05
0.00	0.00	0.00

Quantitation Report (Qedit)

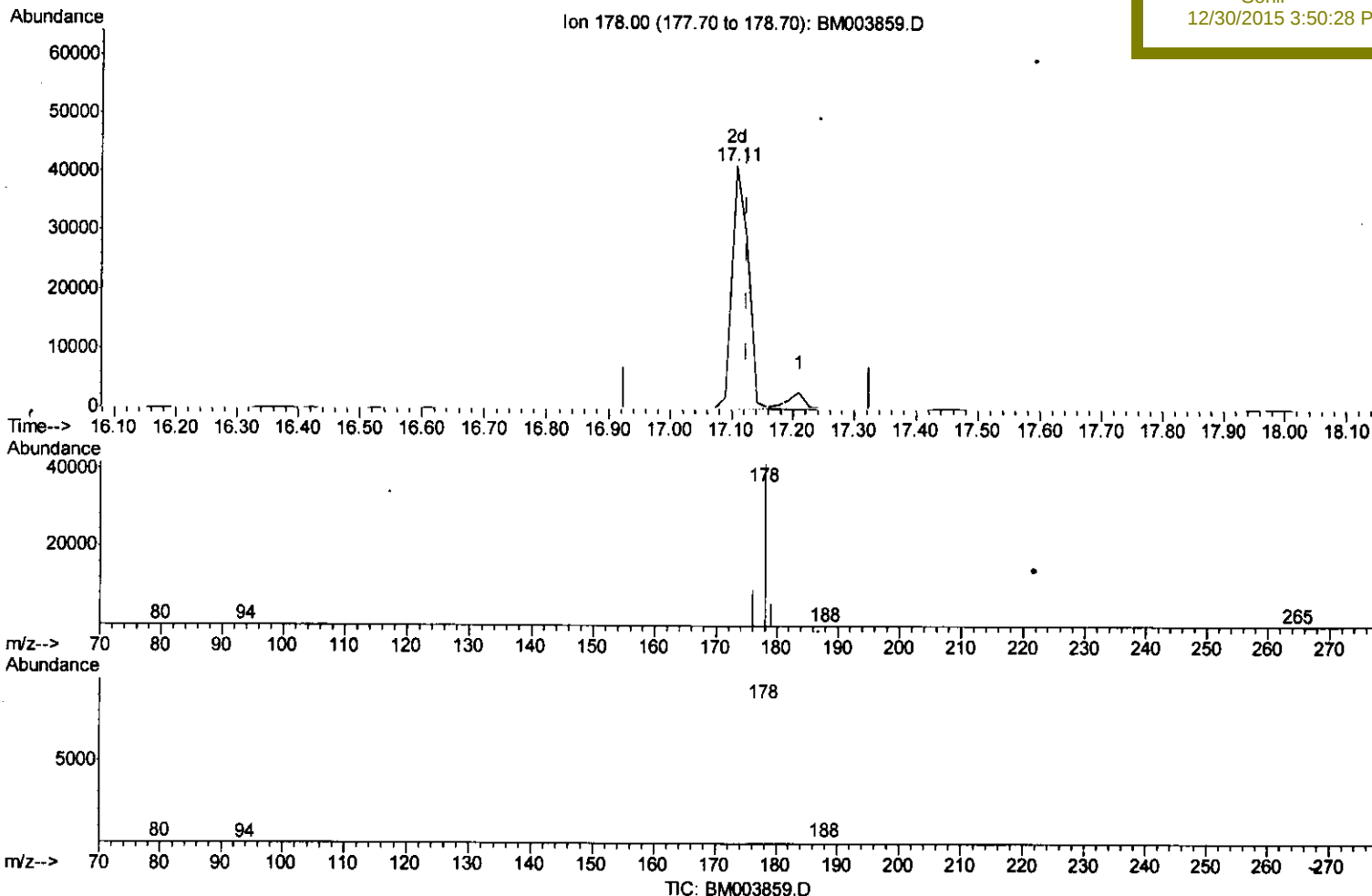
Data Path : Z:\HPCHEM1\BNA M\Data\BM123115\
 Data File : BM003859.D
 Acq On : 29 Dec 2015 21:09
 Operator : SJ/UM
 Sample : G4848-19
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 30 04:37:57 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 : Wed Dec 30 03:30:26 2015
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Instrument :
 BNA_M
 ClientSampleId :
 D9N65

Manual Integrations
 APPROVED

Sohil
 12/30/2015 3:50:28 PM



(14) Phenanthrene

17.107min (-0.017) 1.13ng/ul m

response 75414

Ion	Exp%	Act%
178.00	100	100
176.00	16.20	21.78#
179.00	17.70	13.80#
0.00	0.00	0.00

U.M
 11/16

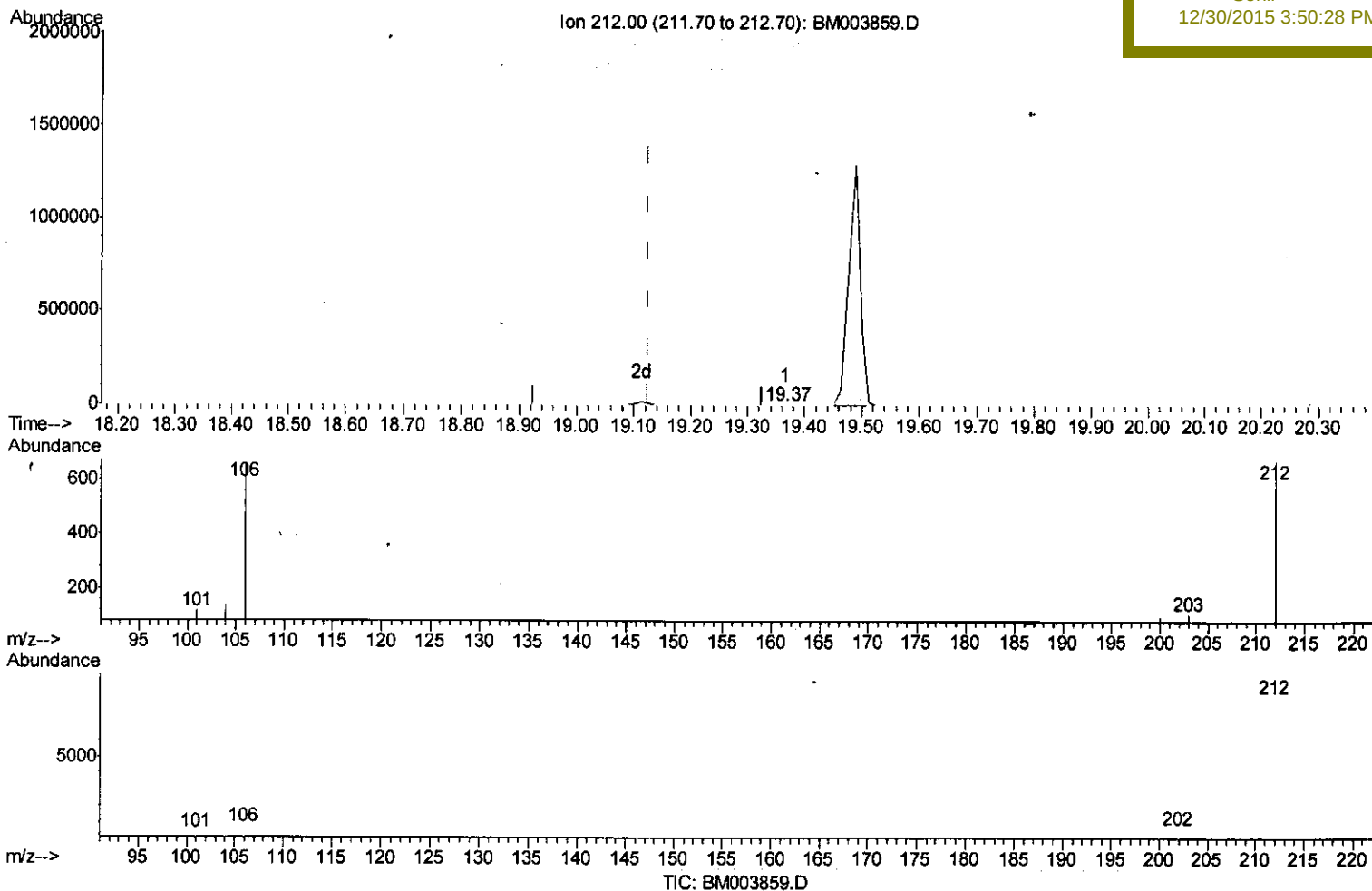
Data Path : Z:\HPCHEM1\BNA M\Data\BM123115\
Data File : BM003859.D
Acq On : 29 Dec 2015 21:09
Operator : SJ/UM
Sample : G4848-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 30 04:37:57 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM121515.M
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Instrument :
BNA_M
ClientSampleId :
D9N65

Manual Integrations
APPROVED

Sohil
12/30/2015 3:50:28 PM



(16) Fluoranthene-d10 (SURR)

19.367min (+0.242) 0.02ng/ul

response 974

Ion	Exp%	Act%
212.00	100	100
106.00	18.90	78.85#
104.00	11.10	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

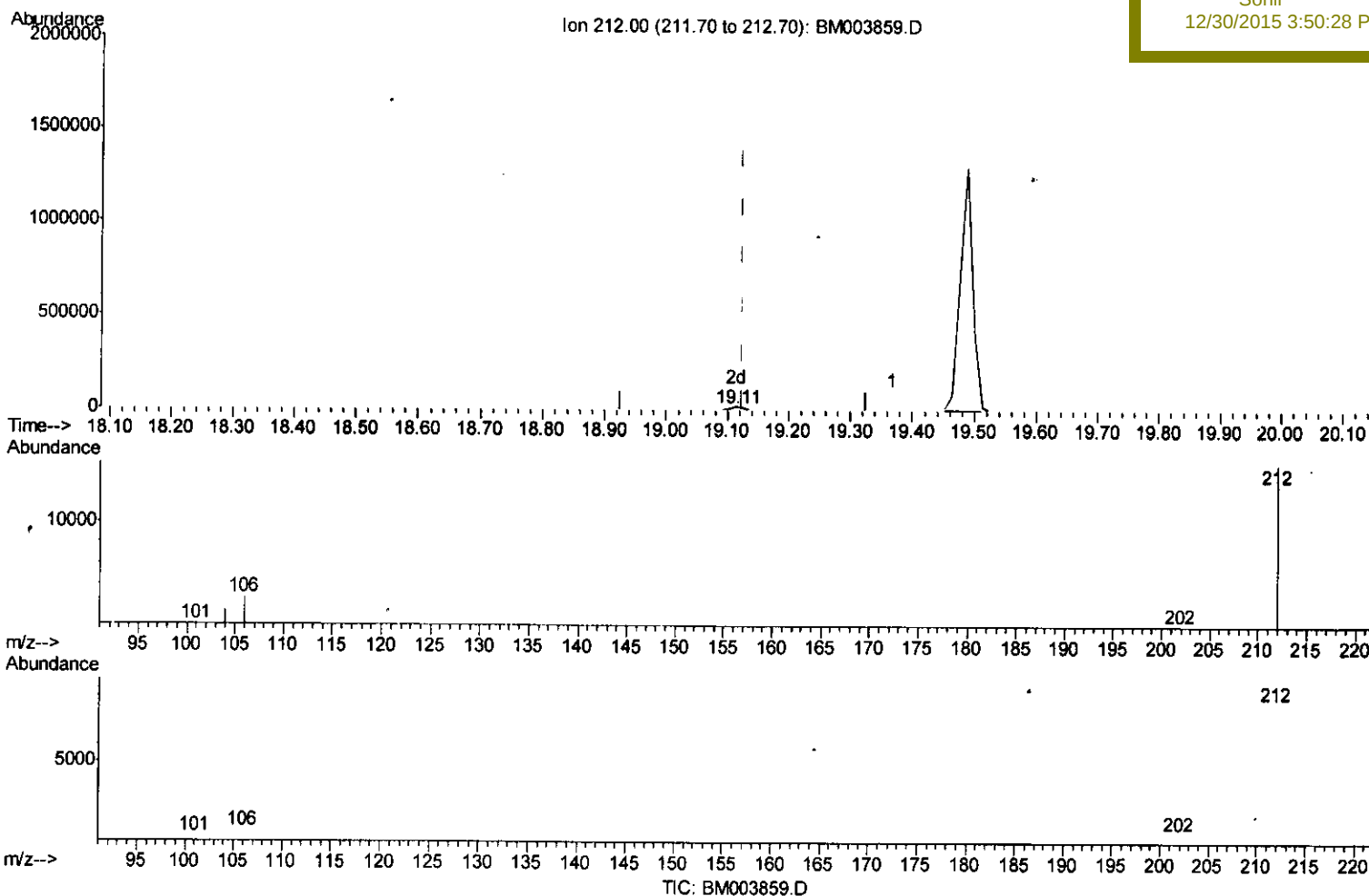
Data Path : Z:\HPCHEM1\BNA M\Data\BM123115\
 Data File : BM003859.D
 Acq On : 29 Dec 2015 21:09
 Operator : SJ/UM
 Sample : G4848-19
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 30 04:37:57 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 : Wed Dec 30 03:30:26 2015
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 D9N65

Manual Integrations
 APPROVED

Sohil
 12/30/2015 3:50:28 PM



(16) Fluoranthene-d10 (SURR)

19.113min (-0.012) 0.44ng/ul m U, M
 response 24132 11116

Ion	Exp%	Act%
212.00	100	100
106.00	18.90	3.18#
104.00	11.10	0.00#
0.00	0.00	0.00

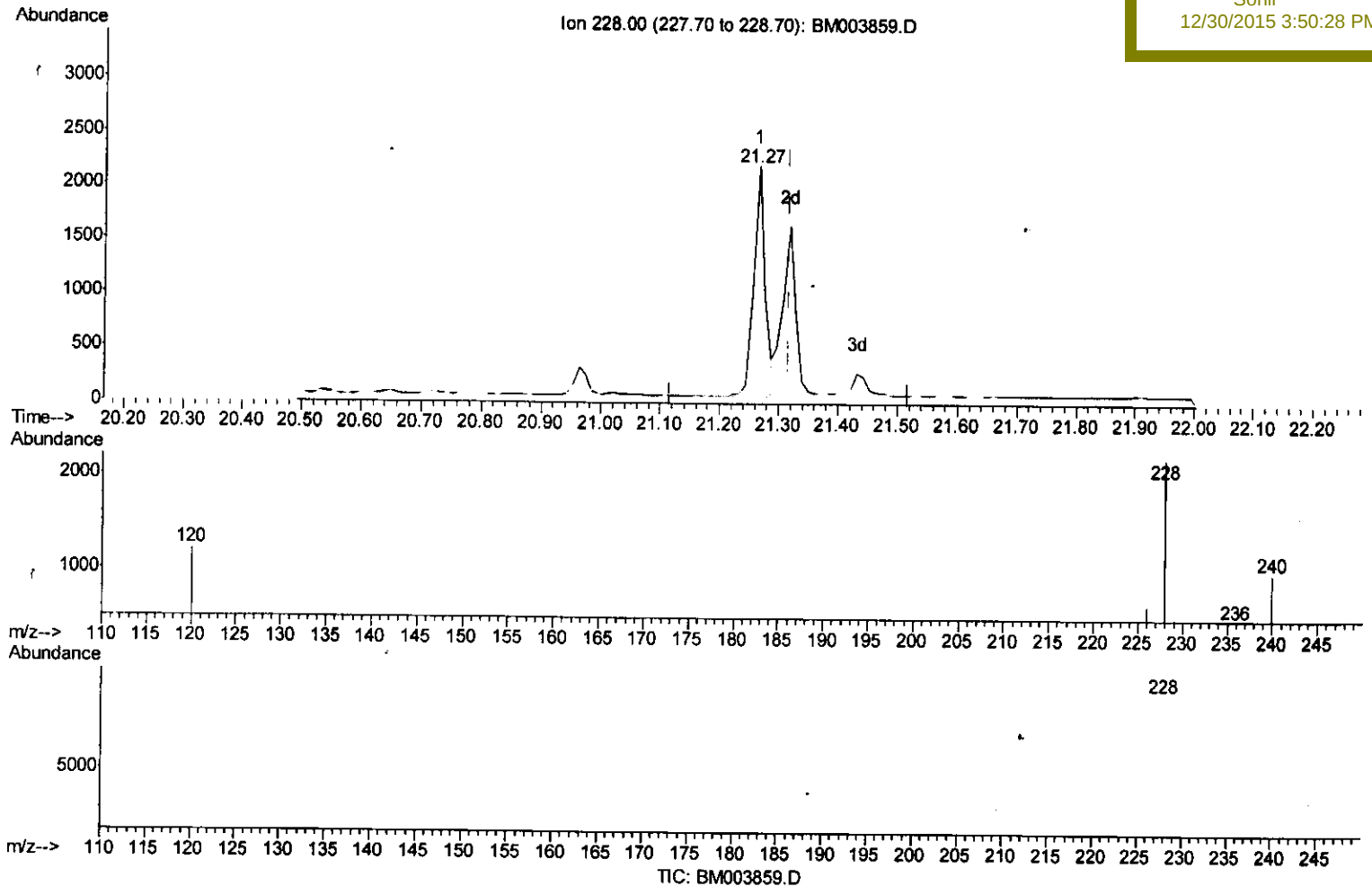
Data Path : Z:\HPCHEM1\BNA M\Data\BM123115\
Data File : BM003859.D
Acq On : 29 Dec 2015 21:09
Operator : SJ/UM
Sample : G4848-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 30 04:37:57 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 : Wed Dec 30 03:30:26 2015
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Instrument :
BNA_M
ClientSampleId :
D9N65

Manual Integrations
APPROVED

Sohil
12/30/2015 3:50:28 PM



(21) Chrysene

21.266min (-0.052) 0.05ng/ul

response 2812

Ion	Exp%	Act%
228.00	100	100
226.00	26.50	29.07
229.00	21.30	22.90
0.00	0.00	0.00

Quantitation Report (Qedit)

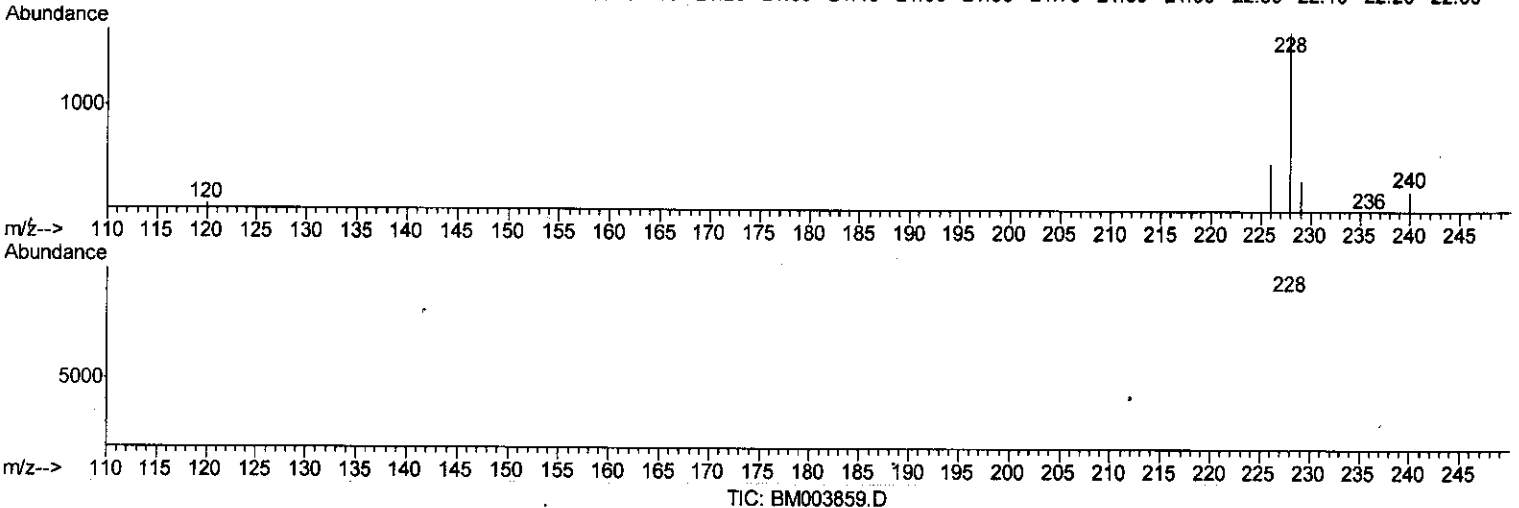
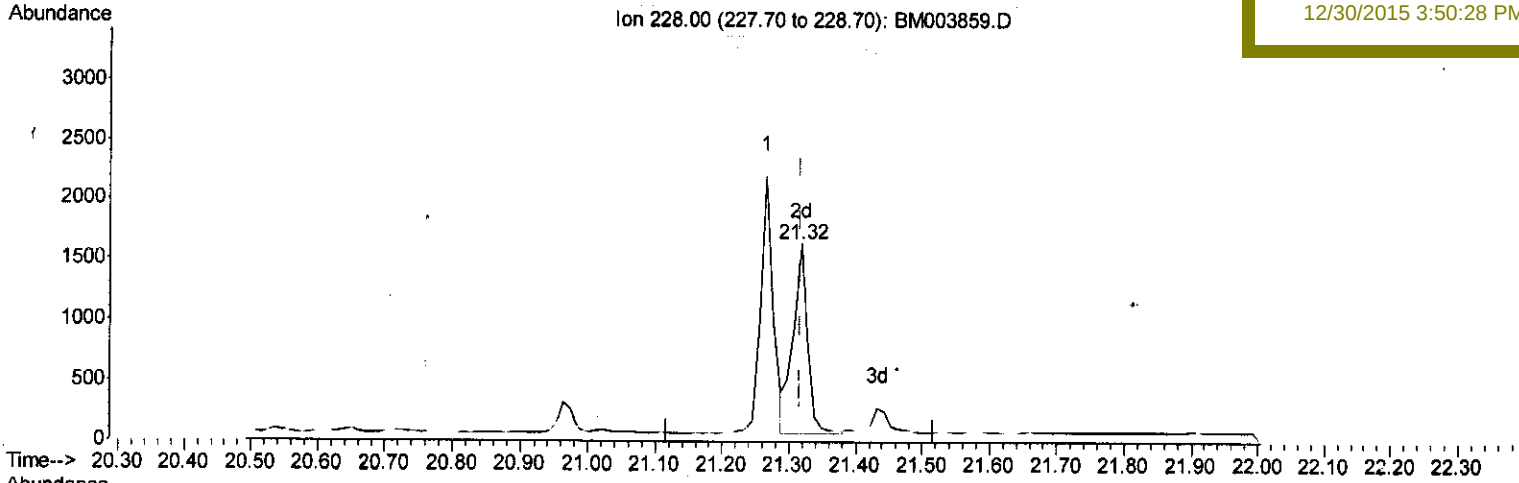
Data Path : Z:\HPCHEM1\BNA M\Data\BM123115\
 Data File : BM003859.D
 Acq On : 29 Dec 2015 21:09
 Operator : SJ/UM
 Sample : G4848-19
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 30 04:37:57 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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Instrument :
 BNA_M
 ClientSampleId :
 D9N65

Manual Integrations
 APPROVED

Sohil
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(21) Chrysene

21.318min (-0.000) 0.04ng/ul m *U.M*
11/16

response 2438

Ion	Exp%	Act%
228.00	100	100
226.00	26.50	33.05#
229.00	21.30	24.16
0.00	0.00	0.00

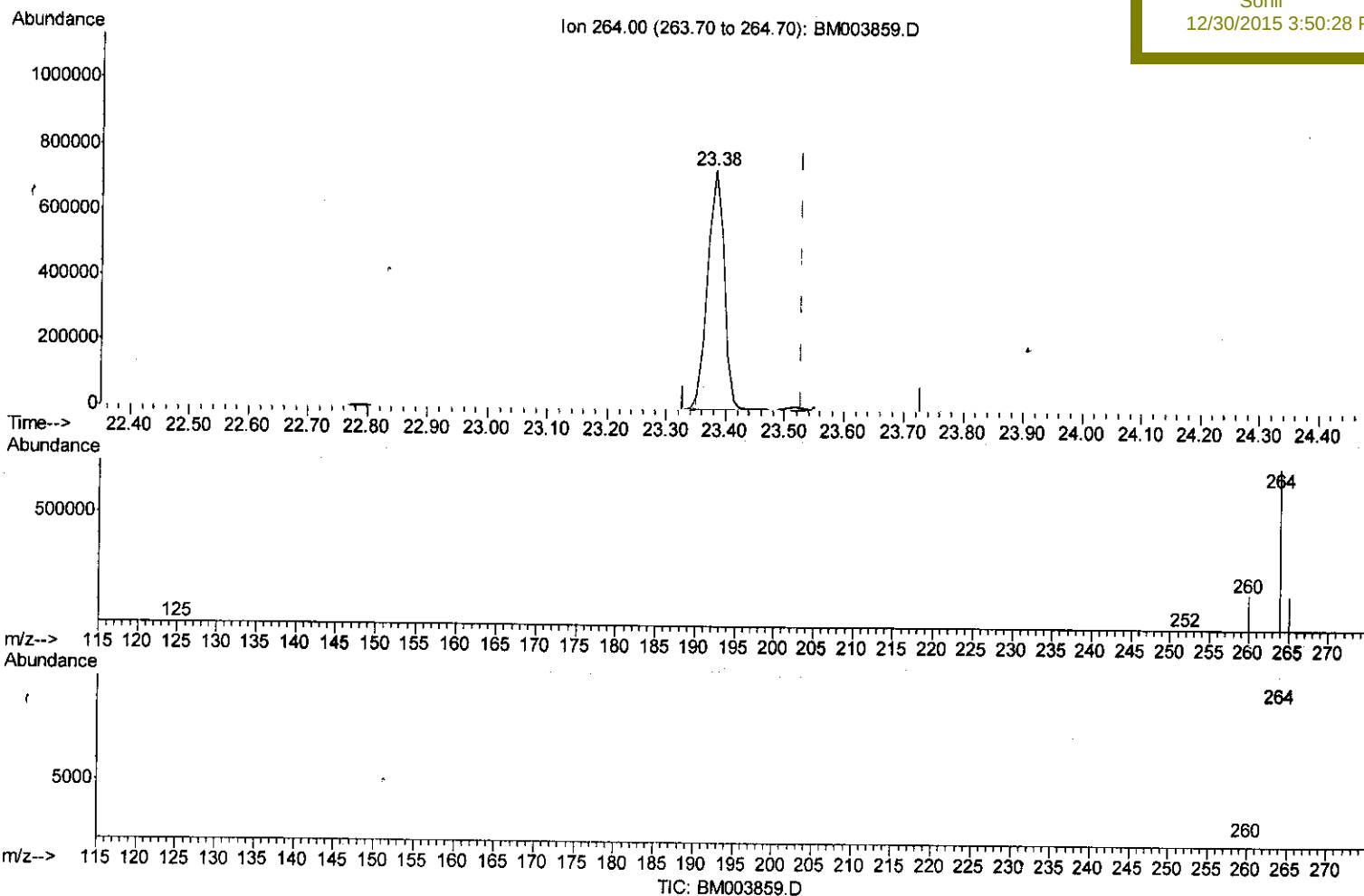
Data Path : Z:\HPCHEM1\BNA M\Data\BM123115\
Data File : BM003859.D
Acq On : 29 Dec 2015 21:09
Operator : SJ/UM
Sample : G4848-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 30 04:37:57 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SFM-BM121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 30 03:30:26 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9N65

Manual Integrations
APPROVED

Sohil
12/30/2015 3:50:28 PM



(22) Perylene-d12 (I)

23.382min (-0.146) 0.40ng/ul

response 1362187

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	22.03
265.00	38.20	21.64#
0.00	0.00	0.00

Quantitation Report (Qedit)

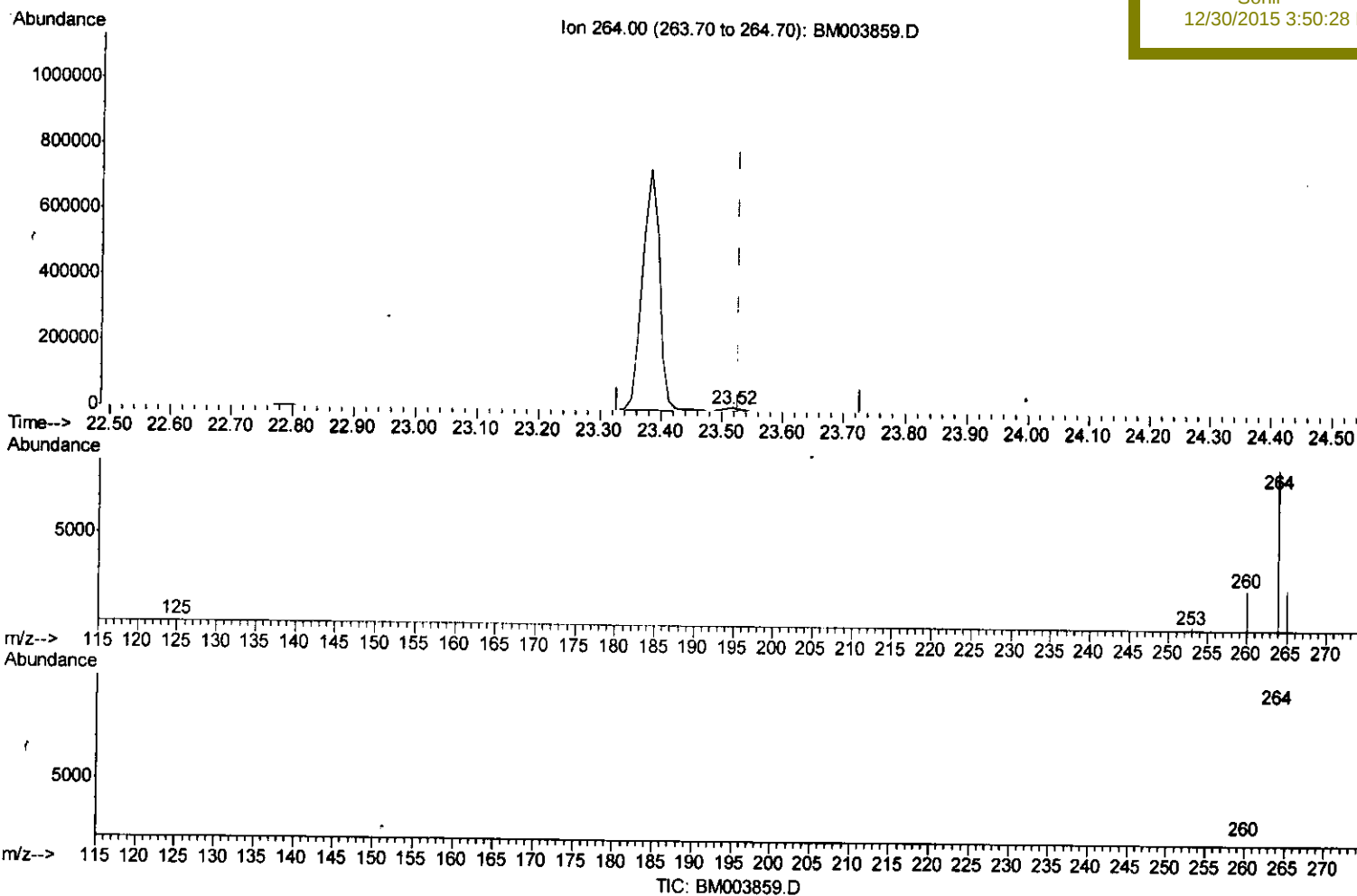
Data Path : Z:\HPCHEM1\BNA M\Data\BM123115\
 Data File : BM003859.D
 Acq On : 29 Dec 2015 21:09
 Operator : SJ/UM
 Sample : G4848-19
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

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Manual Integrations
 APPROVED

Sohil
 12/30/2015 3:50:28 PM



(22) Perylene-d12 (I)

23.517min (-0.011) 0.40ng/ul m

response 14841

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	26.40
265.00	38.20	26.65#
0.00	0.00	0.00

U.M
 11/16

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123115\
 Data File : BM003859.D
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 Operator : SJ/UM
 Sample : G4848-19
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 D9N65

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	4170	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	18733	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.33	164	11705	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	25870m	0.40	ng/ul	0.00
18) Chrysene-d12	21.29	240	22130	0.40	ng/ul	0.00
22) Perylene-d12	23.52	264	14841m	0.40	ng/ul	-0.01
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.14	96	23992	13.46	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.06	152	9411	0.42	ng/ul	-0.01
16) Fluoranthene-d10	19.11	212	24132m	0.44	ng/ul	-0.01
Target Compounds						
5) Naphthalene	10.51	128	196263	4.65	ng/ul	98
7) 2-Methylnaphthalene	12.13	142	21807	0.77	ng/ul	99
9) Acenaphthylene	14.04	152	2138	0.05	ng/ul#	92
10) Acenaphthene	14.38	153	16759	0.47	ng/ul	82
11) Fluorene	15.38	166	14739m	0.37	ng/ul	
14) Phenanthrene	17.11	178	75414m	1.13	ng/ul	
15) Anthracene	17.21	178	5341	0.09	ng/ul#	94
17) Fluoranthene	19.15	202	28806	0.40	ng/ul	93
19) Pyrene	19.51	202	22180	0.37	ng/ul#	94
20) Benzo(a)anthracene	21.27	228	2812	0.05	ng/ul#	93
21) Chrysene	21.32	228	2438m	0.04	ng/ul	

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