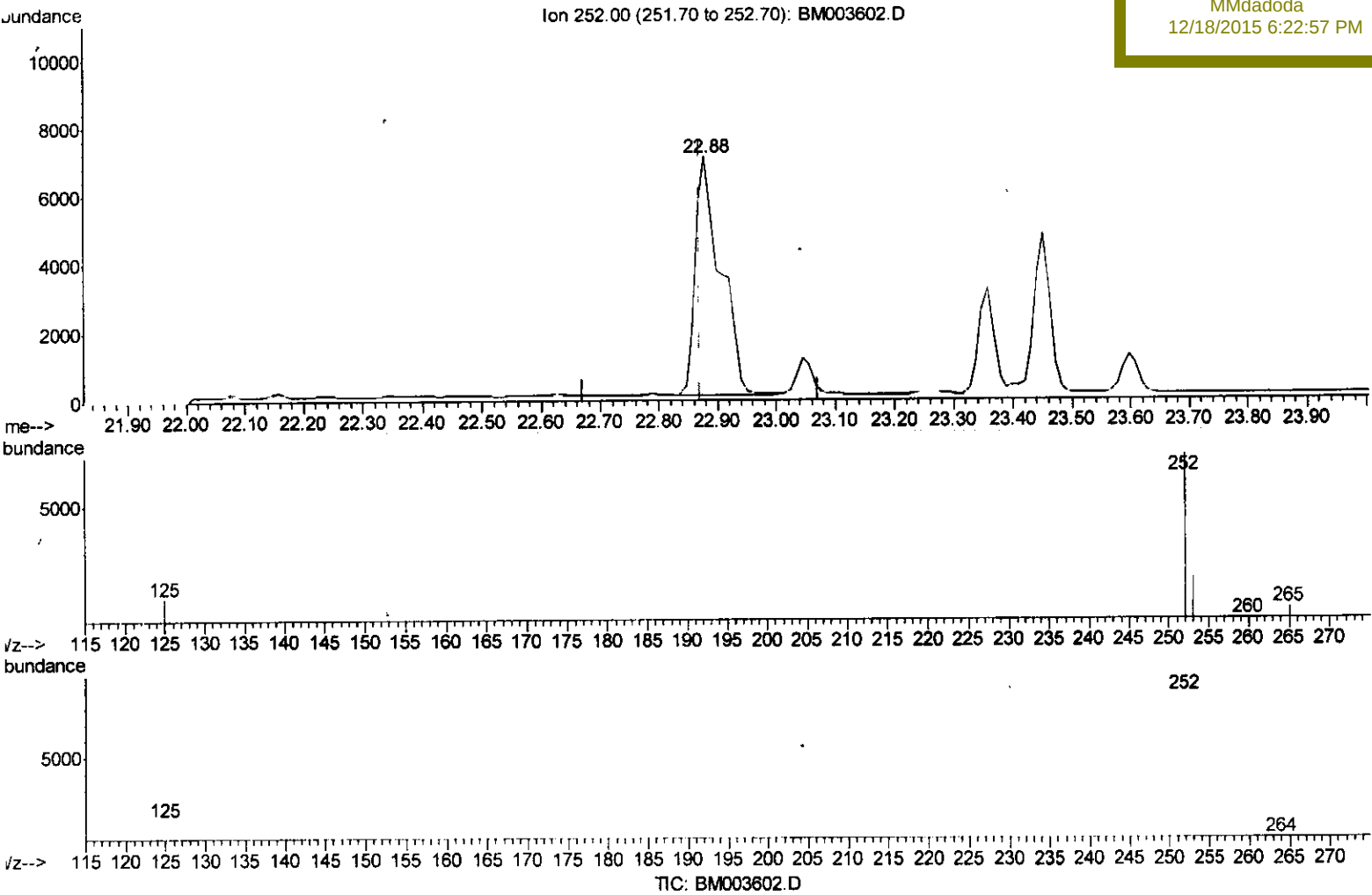


Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
Data File : BM003602.D
Acq On : 17 Dec 2015 16:53
Operator : UM/IZ
Sample : G4767-08DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 18 02:54:01 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
ClientSampled :
D9N30DL

Manual Integrations
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(23) Benzo(b)fluoranthene

22.878min (+0.007) 0.63ng/ul

response 20679

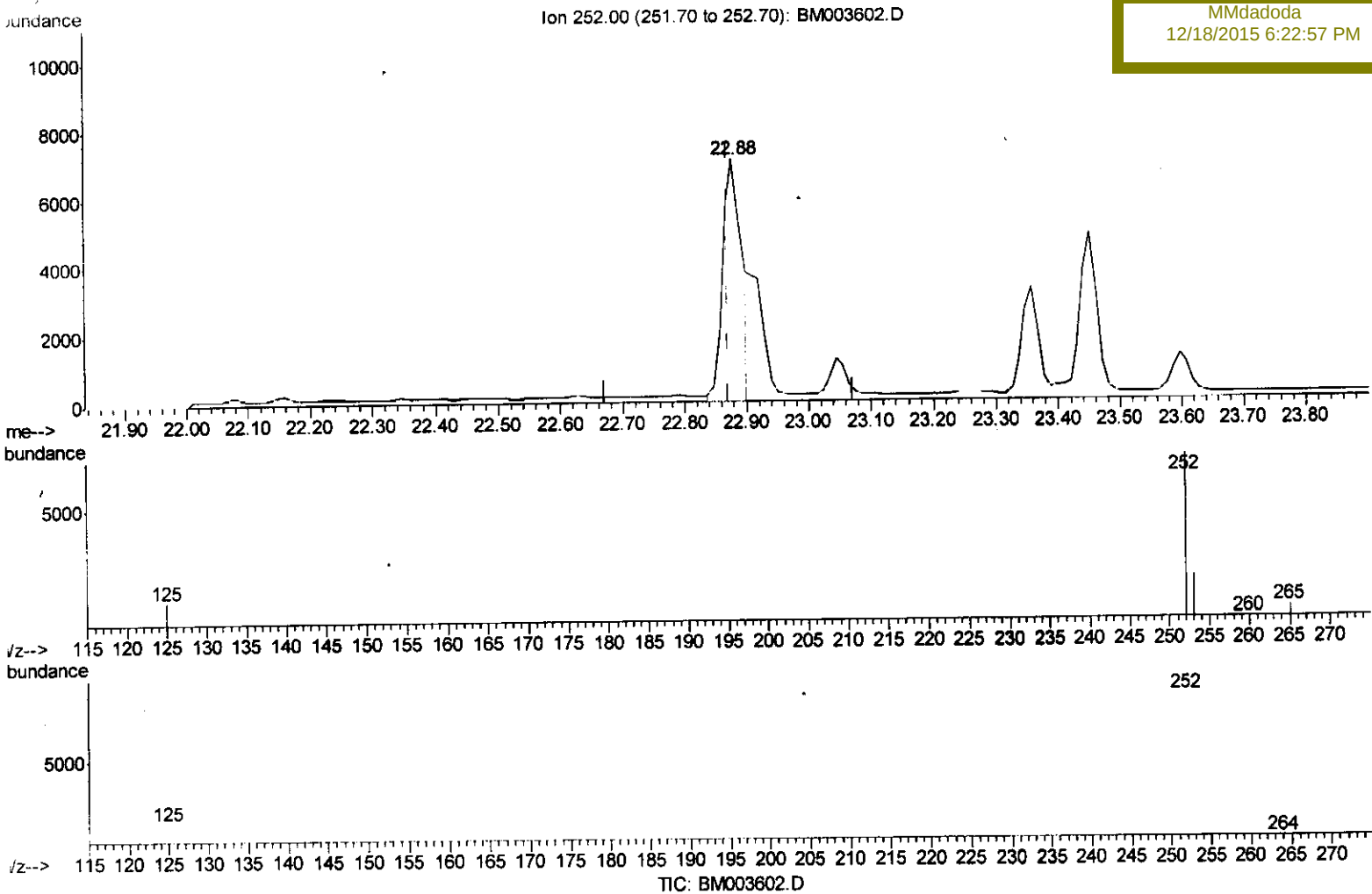
Ion	Exp%	Act%
252.00	100	100
253.00	22.70	25.93
125.00	14.40	14.44
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
Data File : BM003602.D
Acq On : 17 Dec 2015 16:53
Operator : UM/12
Sample : G4767-08DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 18 02:54:01 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 :
D9N30DL

Manual Integrations
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(23) Benzo(b)fluoranthene

22.878min (+0.007) 0.46ng/ul m

response 15330

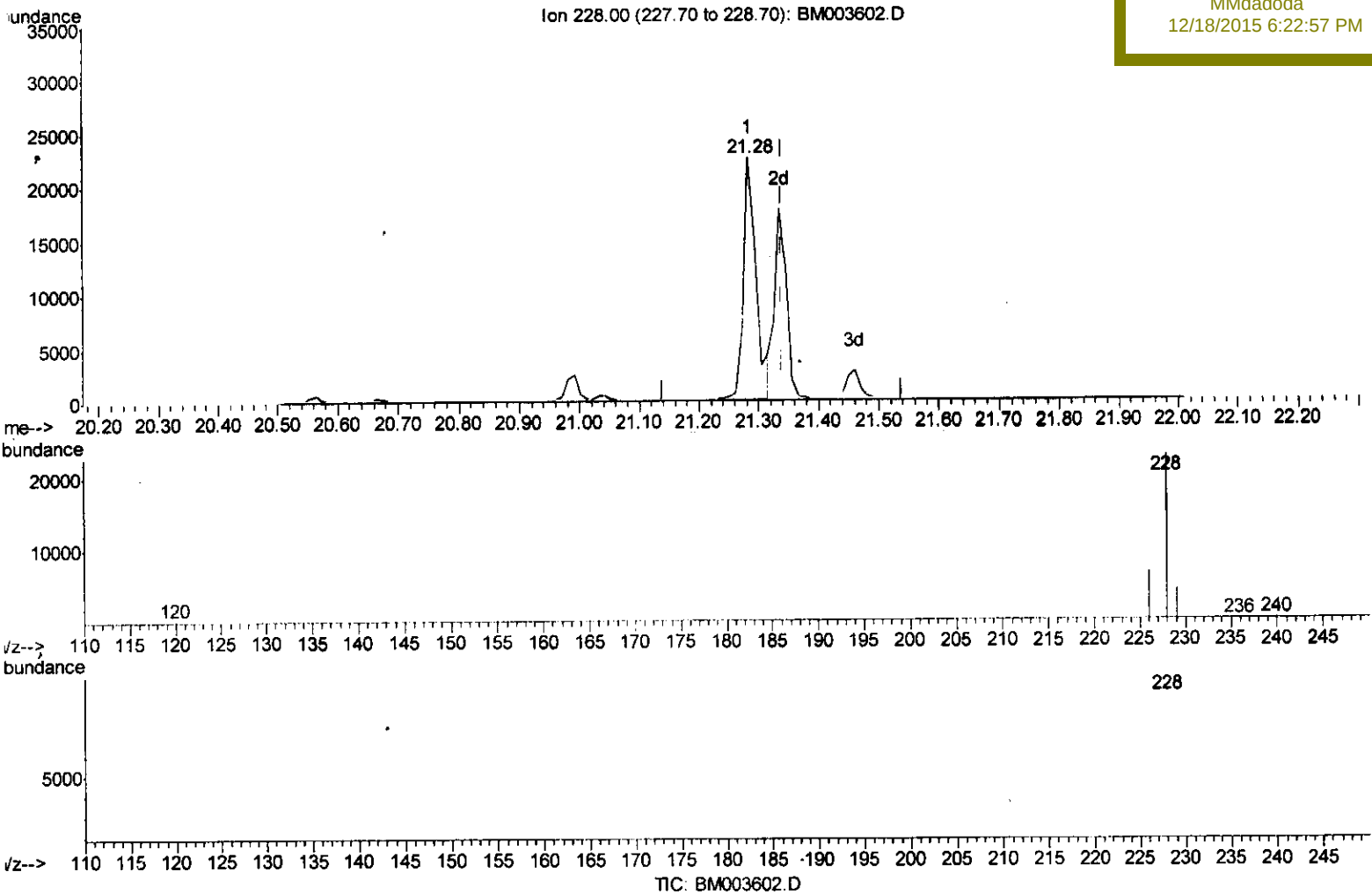
Ion	Exp%	Act%
252.00	100	100
253.00	22.70	25.93
125.00	14.40	14.44
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
Data File : BM003602.D
Acq On : 17 Dec 2015 16:53
Operator : UM/IZ
Sample : G4767-08DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 18 02:54:01 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 :
D9N30DL

Manual Integrations
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(21) Chrysene
21.283min (-0.056) 1.20ng/ul
response 33141

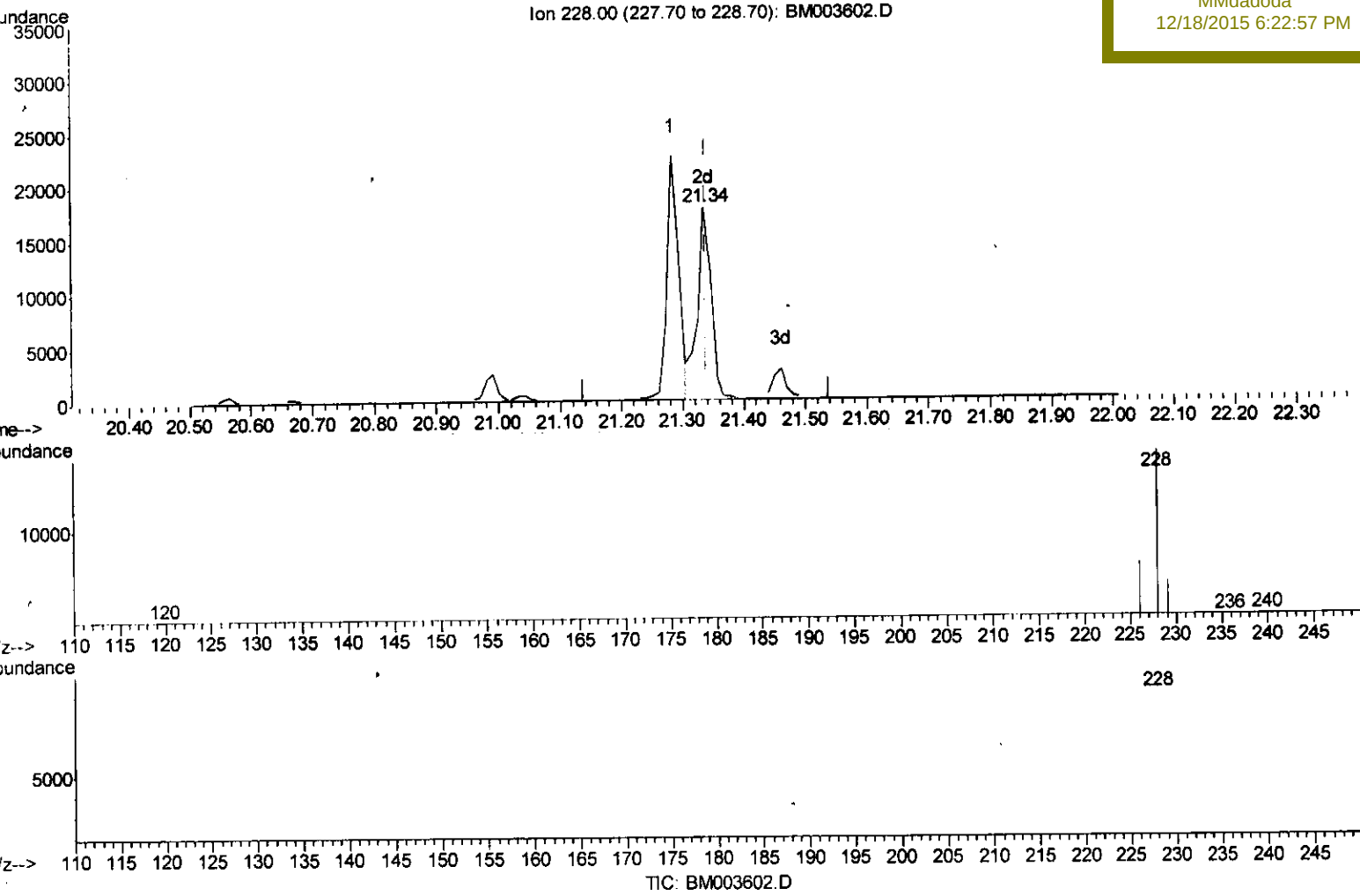
Ion	Exp%	Act%
228.00	100	100
226.00	26.50	29.03
229.00	21.30	19.36
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
Data File : BM003602.D
Acq On : 17 Dec 2015 16:53
Operator : UM/IZ
Sample : G4767-08DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 18 02:54:01 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 :
D9N30DL

Manual Integrations
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(21) Chrysene

21.335min (-0.003) 1.01ng/ul m

response 27901

Ion	Exp%	Act%
228.00	100	100
226.00	26.50	32.35#
229.00	21.30	21.21
0.00	0.00	0.00

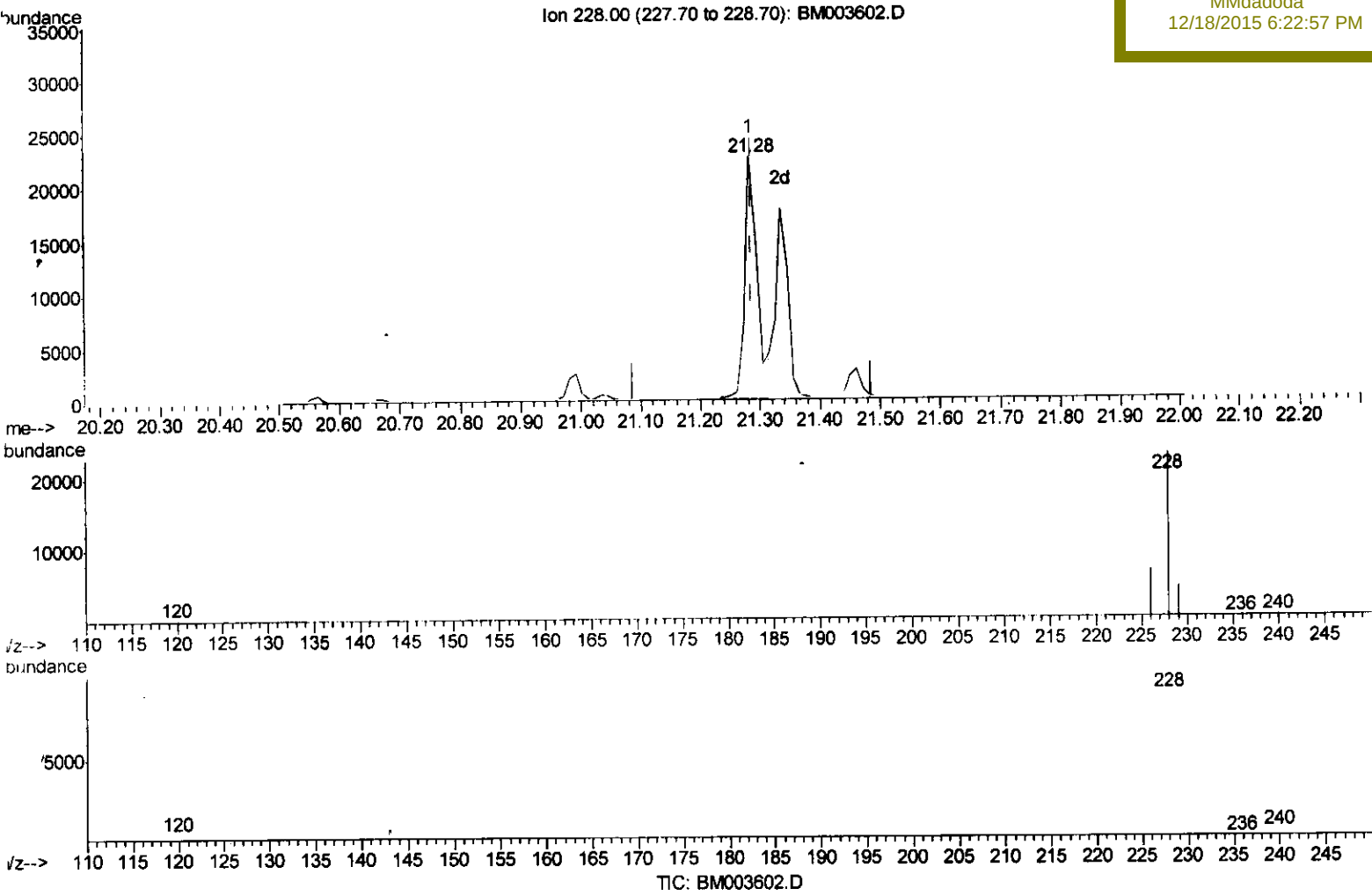
Handwritten:
U-21
12/18/15

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
Data File : BM003602.D
Acq On : 17 Dec 2015 16:53
Operator : UM/IZ
Sample : G4767-08DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 18 02:54:01 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 :
D9N30DL

Manual Integrations
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(20) Benzo(a)anthracene
21.283min (-0.003) 1.37ng/ul
response 33141

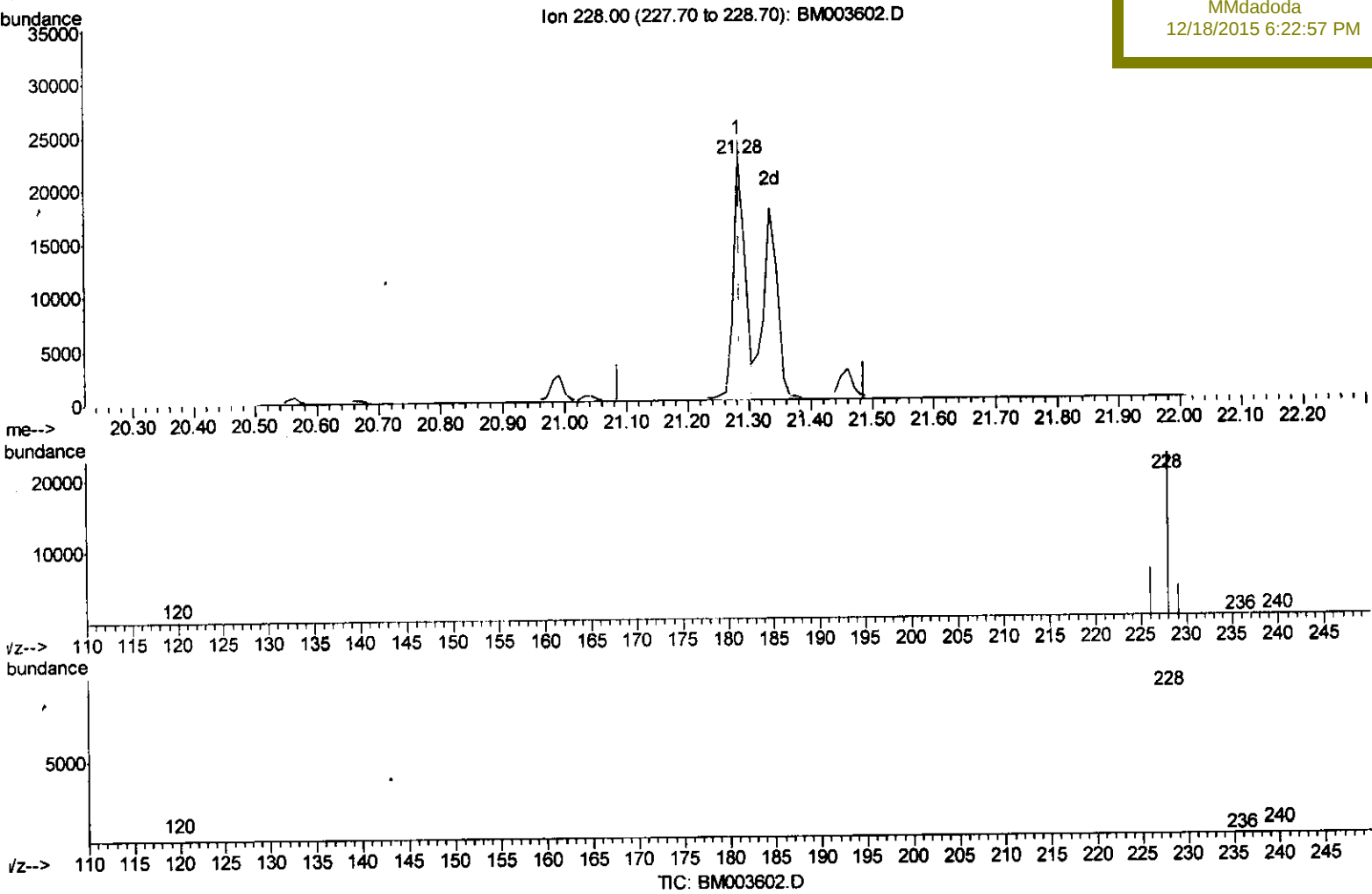
Ion	Exp%	Act%
228.00	100	100
226.00	23.50	29.03#
229.00	21.40	19.36
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
Data File : BM003602.D
Acq On : 17 Dec 2015 16:53
Operator : UM/IZ
Sample : G4767-08DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 18 02:54:01 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 :
D9N30DL

Manual Integrations
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(20) Benzo(a)anthracene
21.283min (-0.003) 1.28ng/ul m
response 30869
Ion Exp% Act%
228.00 100 100
226.00 23.50 29.03#
229.00 21.40 19.36
0.00 0.00 0.00

U.M.
12118-115

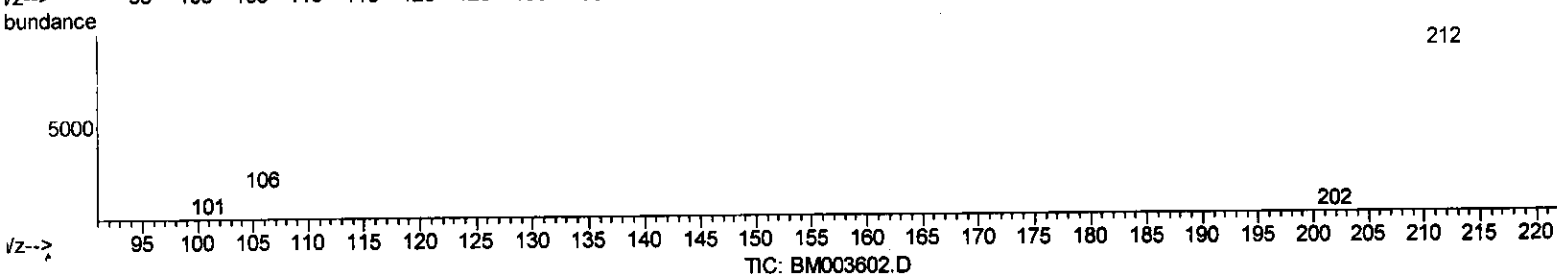
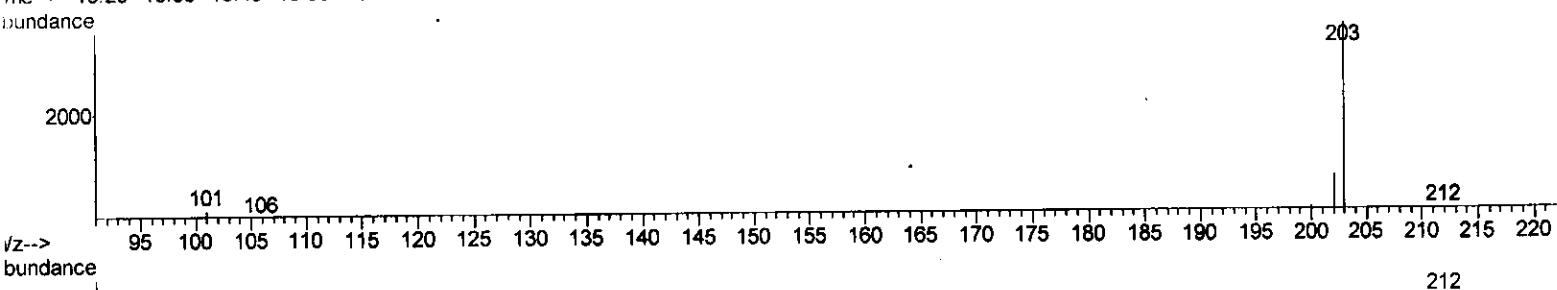
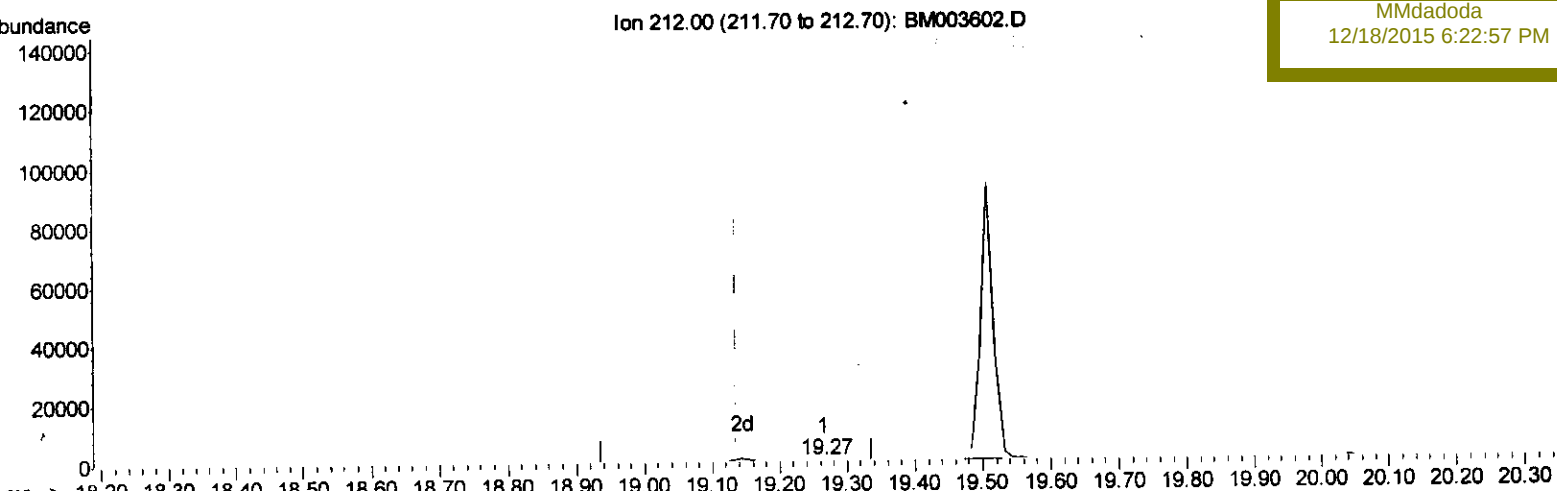
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
Data File : BM003602.D
Acq On : 17 Dec 2015 16:53
Operator : UM/IZ
Sample : G4767-08DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 18 02:54:01 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 :
D9N30DL

Manual Integrations
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TIC: BM003602.D

(16) Fluoranthene-d10 (SURR)

19.266min (+0.128) 0.00ng/ul

response 42

Ion	Exp%	Act%
212.00	100	100
106.00	18.90	14.29#
104.00	11.10	0.00#
0.00	0.00	0.00

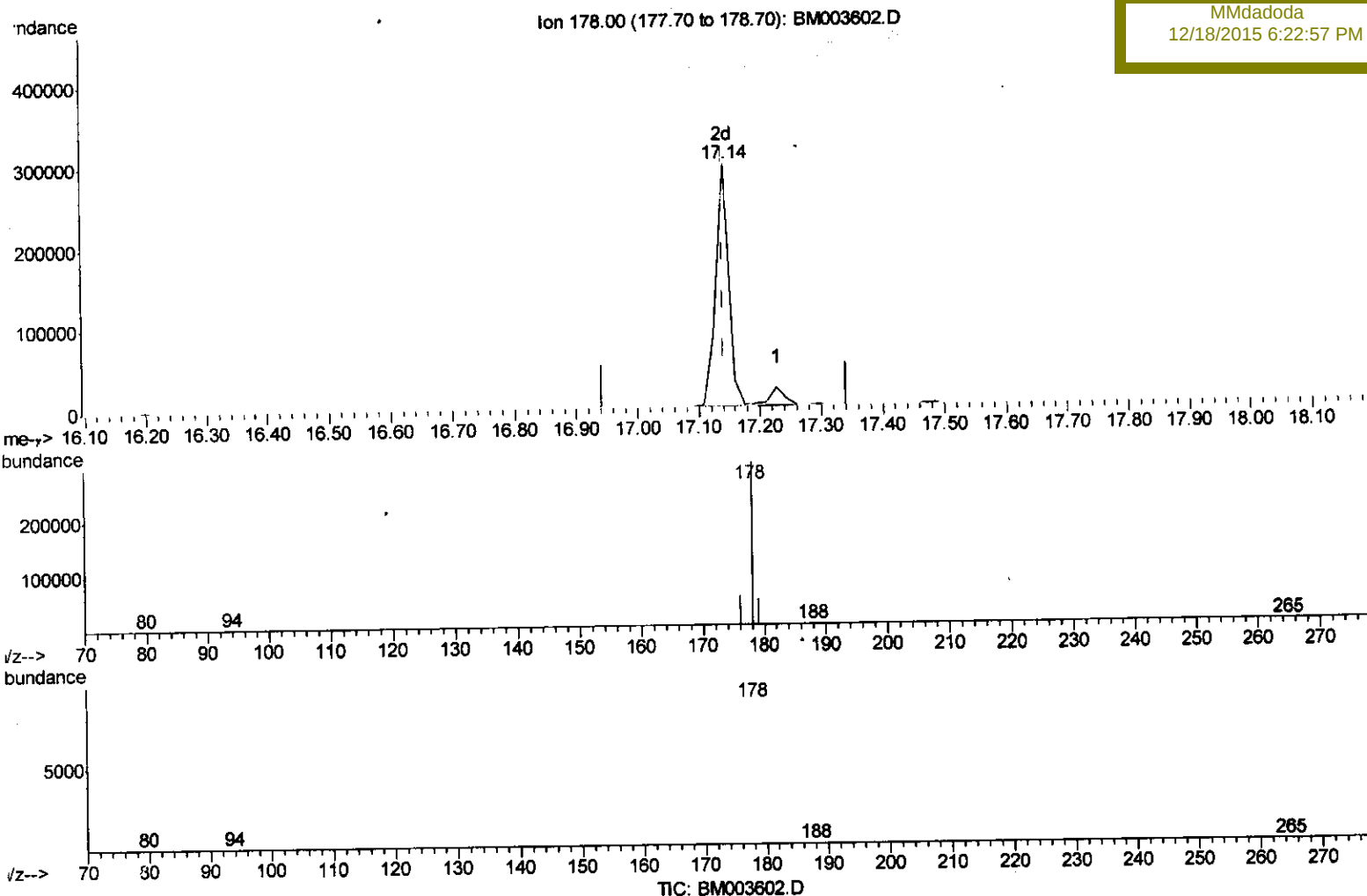
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
 Data File : BM003602.D
 Acq On : 17 Dec 2015 16:53
 Operator : UM/IZ
 Sample : G4767-08DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA M
 ClientSampleId :
 D9N30DL

Manual Integrations
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Quant Time: Dec 18 02:54:01 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



(14) Phenanthrene

17.142min (-0.000) 15.93ng/ul m

response 430470

Ion	Exp%	Act%
178.00	100	100
176.00	16.20	18.06
179.00	17.70	15.74
0.00	0.00	0.00

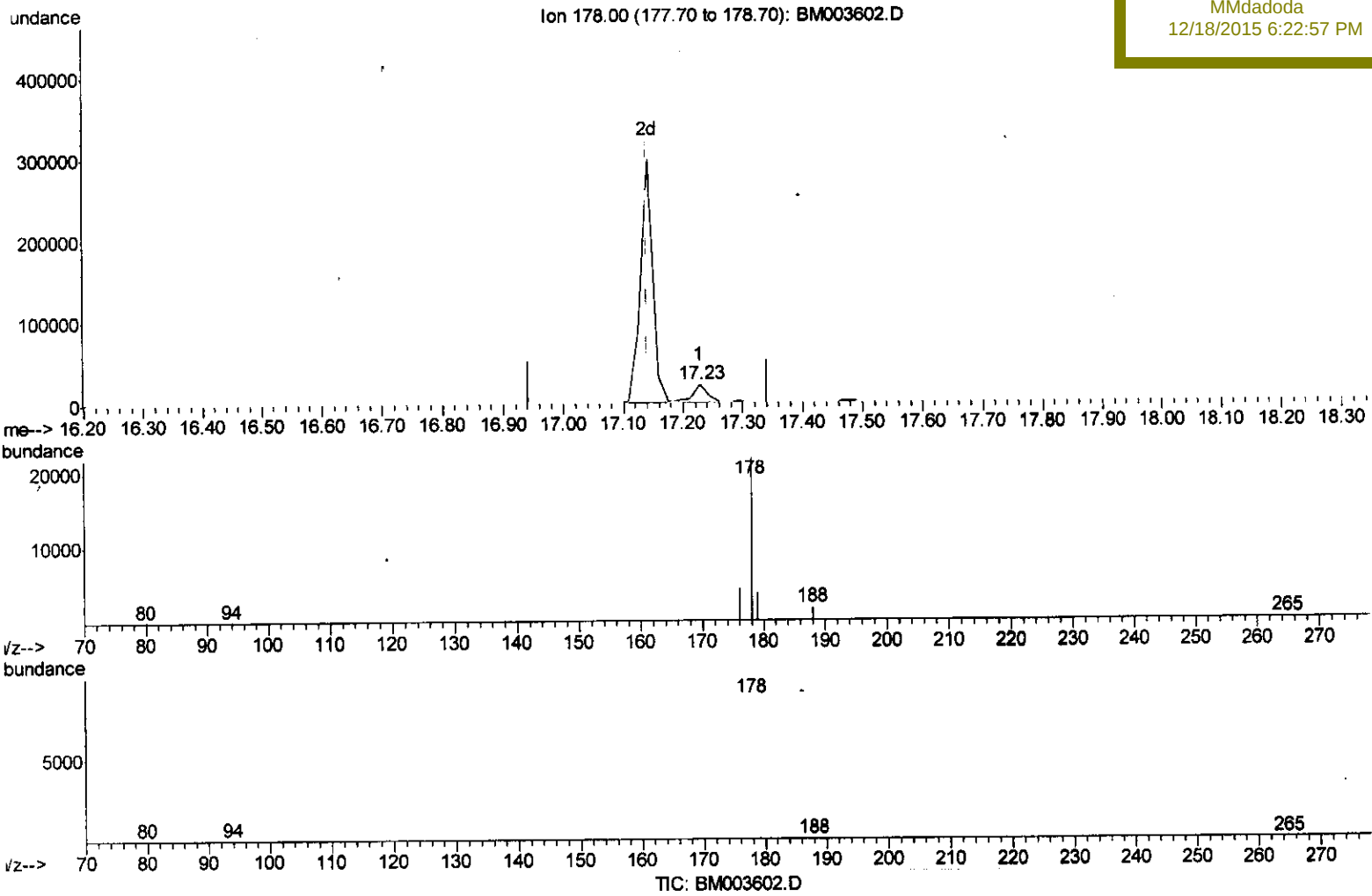
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12/18/15

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
Data File : BM003602.D
Acq On : 17 Dec 2015 16:53
Operator : UM/IZ
Sample : G4767-08DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 18 02:54:01 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Quant Update : Fri Dec 18 00:41:46 2015
Response via : Initial Calibration

Instrument :
BNA M
ClientSampleId :
D9N30DL

Manual Integrations
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(14) Phenanthrene

17.228min (+0.086) 1.29ng/ul

response 34750

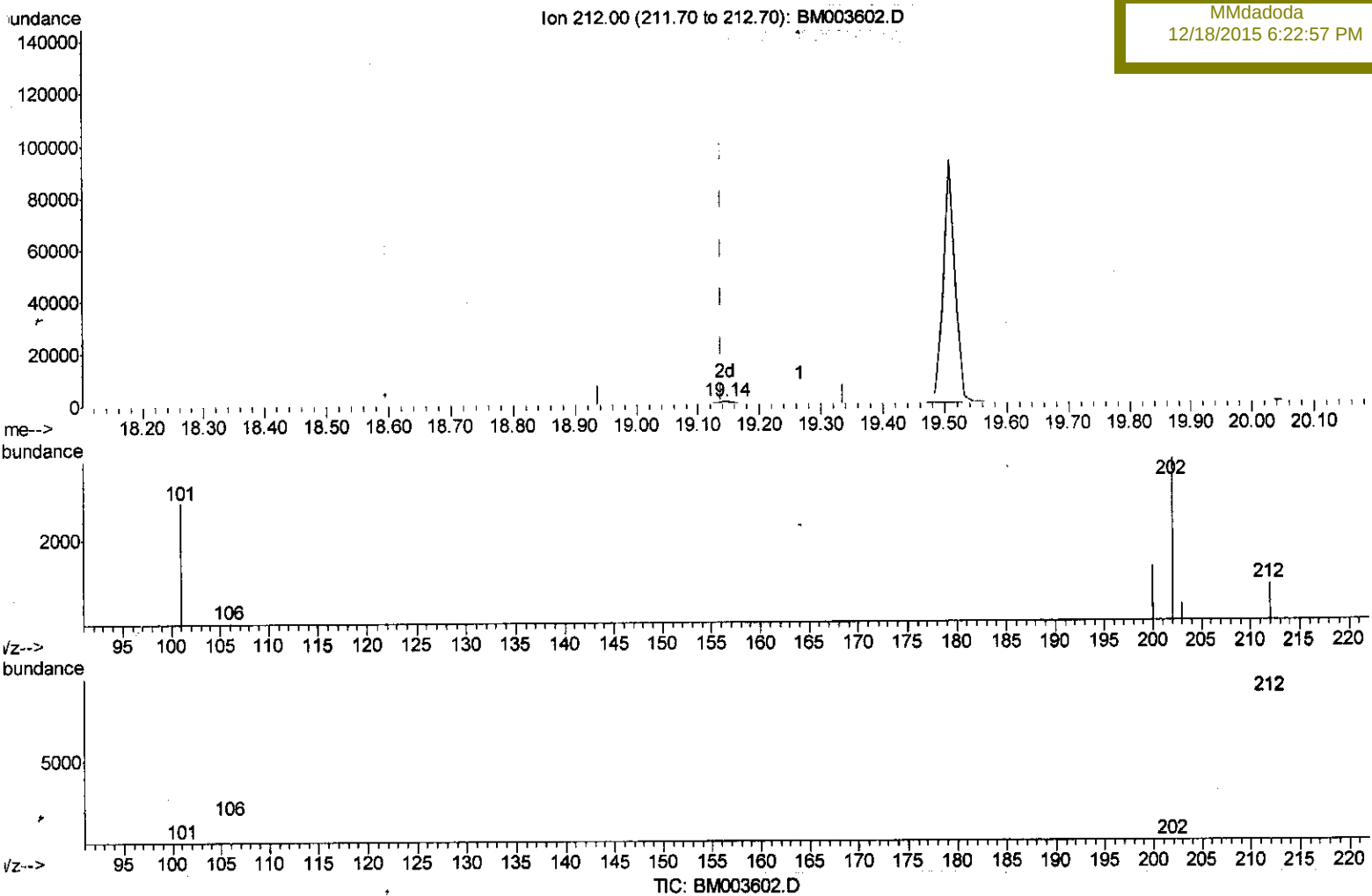
Ion	Exp%	Act%
178.00	100	100
176.00	16.20	19.24
179.00	17.70	16.45
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
Data File : BM003602.D
Acq On : 17 Dec 2015 16:53
Operator : UM/IZ
Sample : G4767-08DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 18 02:54:01 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 :
D9N30DL

Manual Integrations
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(16) Fluoranthene-d10 (SURR)
19.145min (+0.007) 0.05ng/ul m
response 1206

Ion	Exp%	Act%
212.00	100	100
106.00	18.90	0.50#
104.00	11.10	0.00#
0.00	0.00	0.00

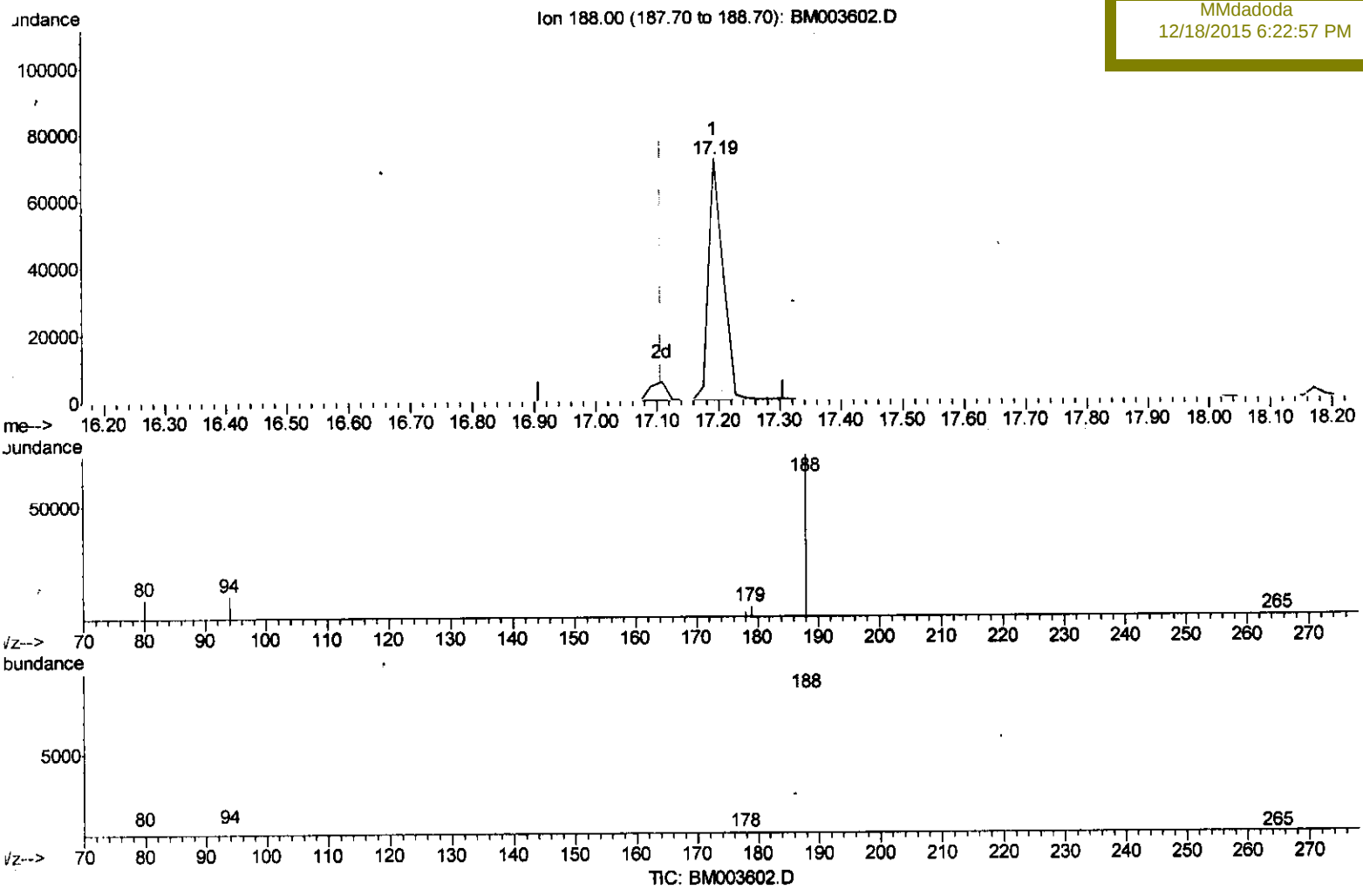
U.S.I
12/18/15

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
Data File : BM003602.D
Acq On : 17 Dec 2015 16:53
Operator : UM/IZ
Sample : G4767-08DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 18 00:45:50 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 :
D9N30DL

Manual Integrations
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(12) Phenanthrene-d10 (I)
17.193min (+0.086) 0.40ng/ul
response 117391

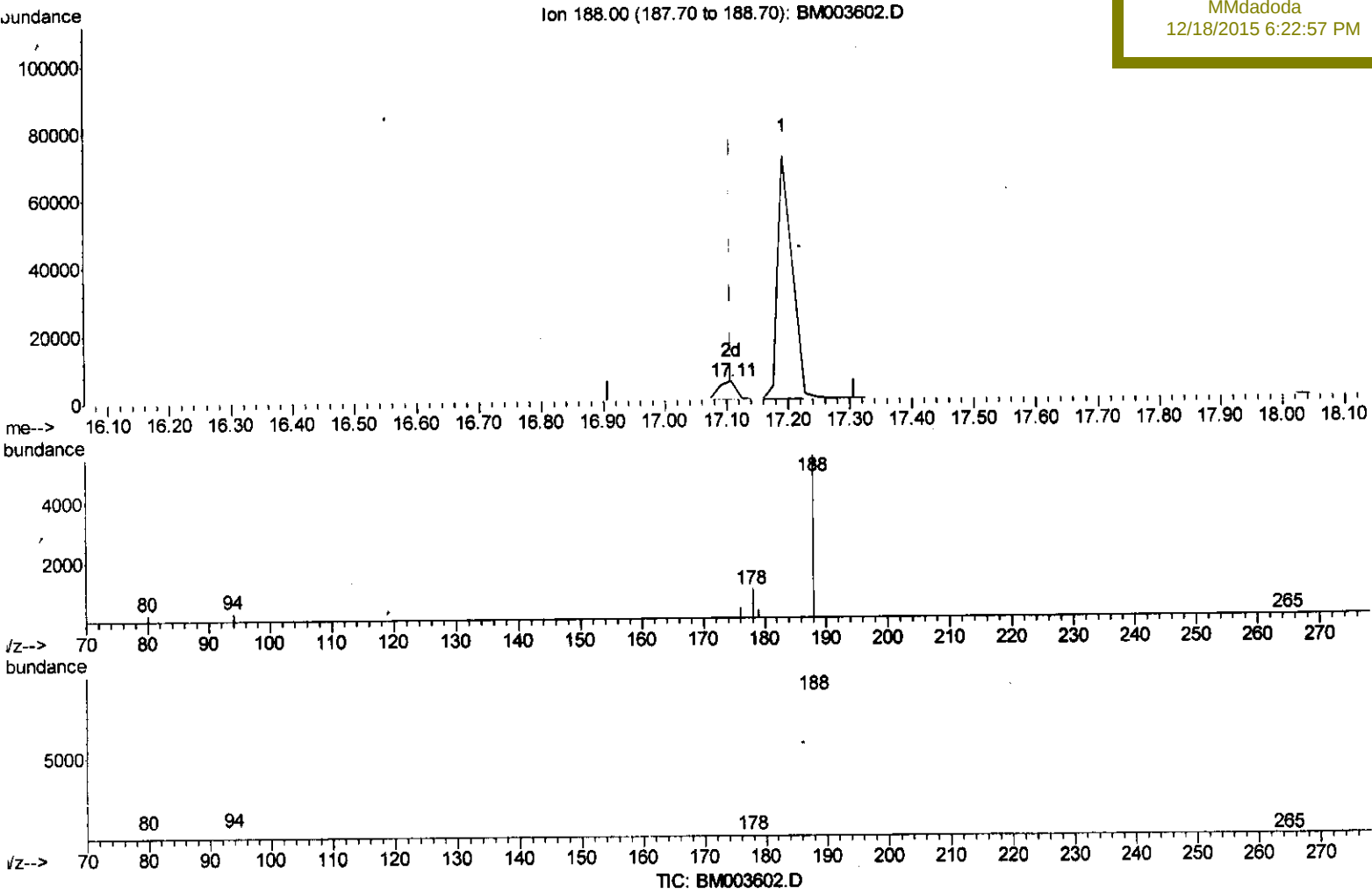
Ion	Exp%	Act%
188.00	100	100
94.00	11.70	13.99
80.00	11.90	11.82
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121715\
Data File : BM003602.D
Acq On : 17 Dec 2015 16:53
Operator : UM/IZ
Sample : G4767-08DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 18 00:45:50 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 :
D9N30DL

Manual Integrations
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(12) Phenanthrene-d10 (I)

17.108min (-0.000) 0.40ng/ul m

response 10478

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	5.79#
80.00	11.90	5.15#
0.00	0.00	0.00

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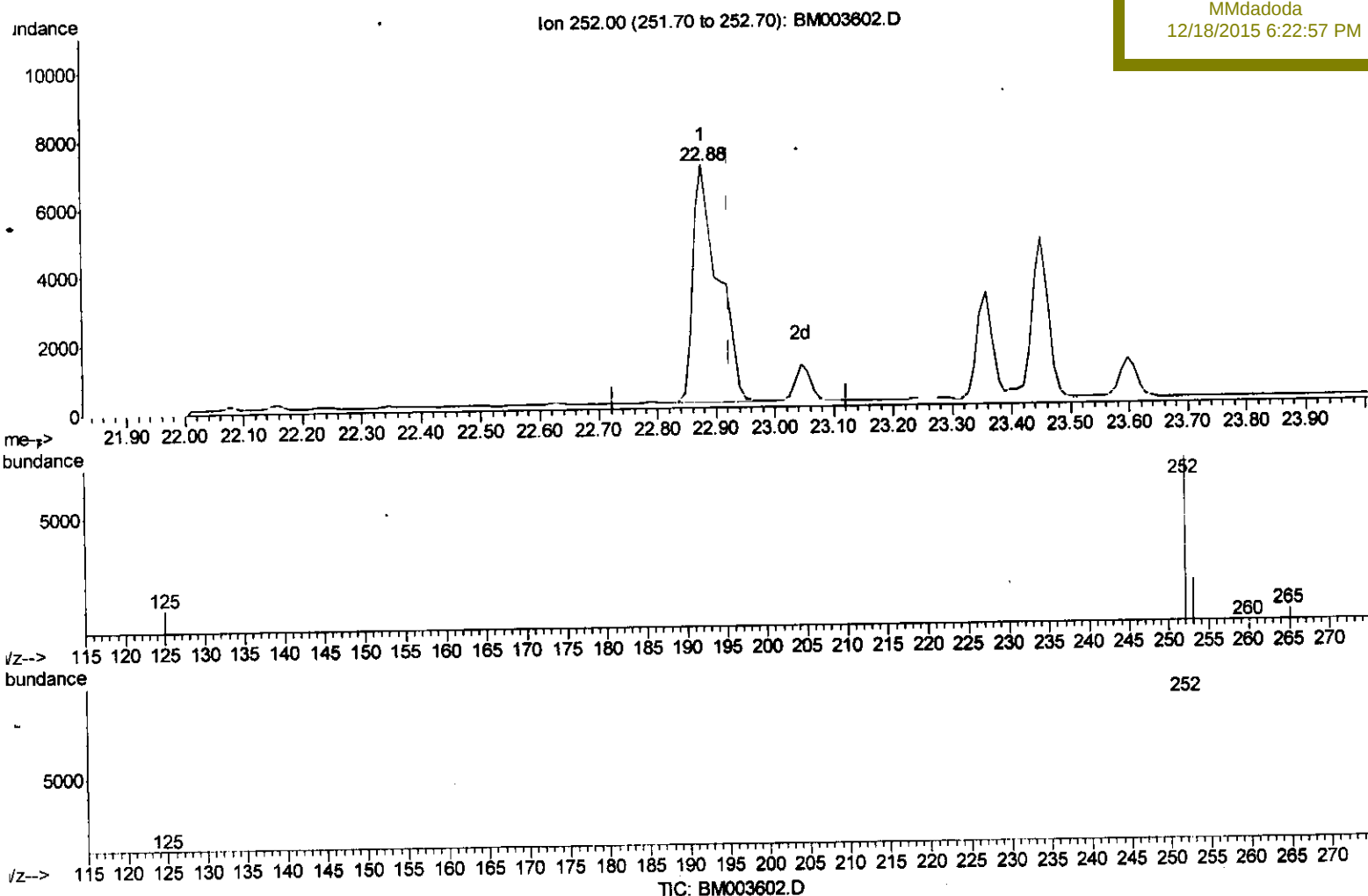
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
Data File : BM003602.D
Acq On : 17 Dec 2015 16:53
Operator : UM/IZ
Sample : G4767-08DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9N30DL

Manual Integrations
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Quant Time: Dec 18 02:54:01 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



(24) Benzo(k)fluoranthene

22.878min (-0.045) 0.69ng/ul

response 20679

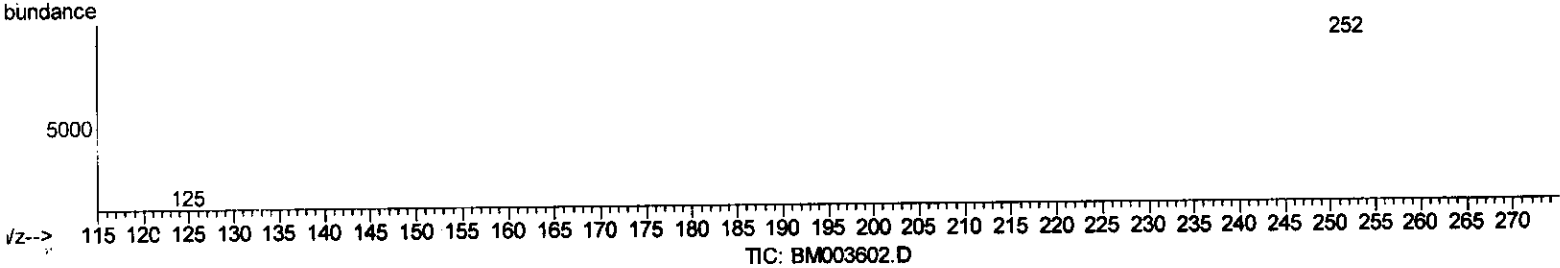
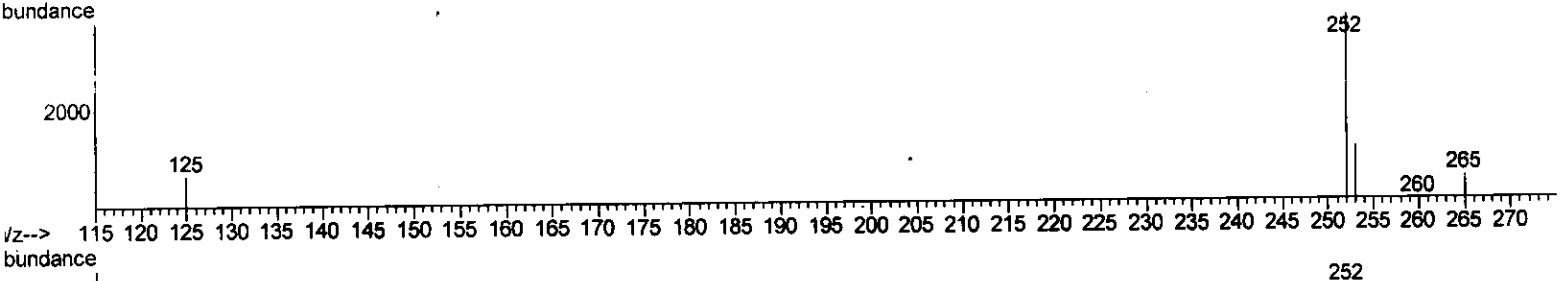
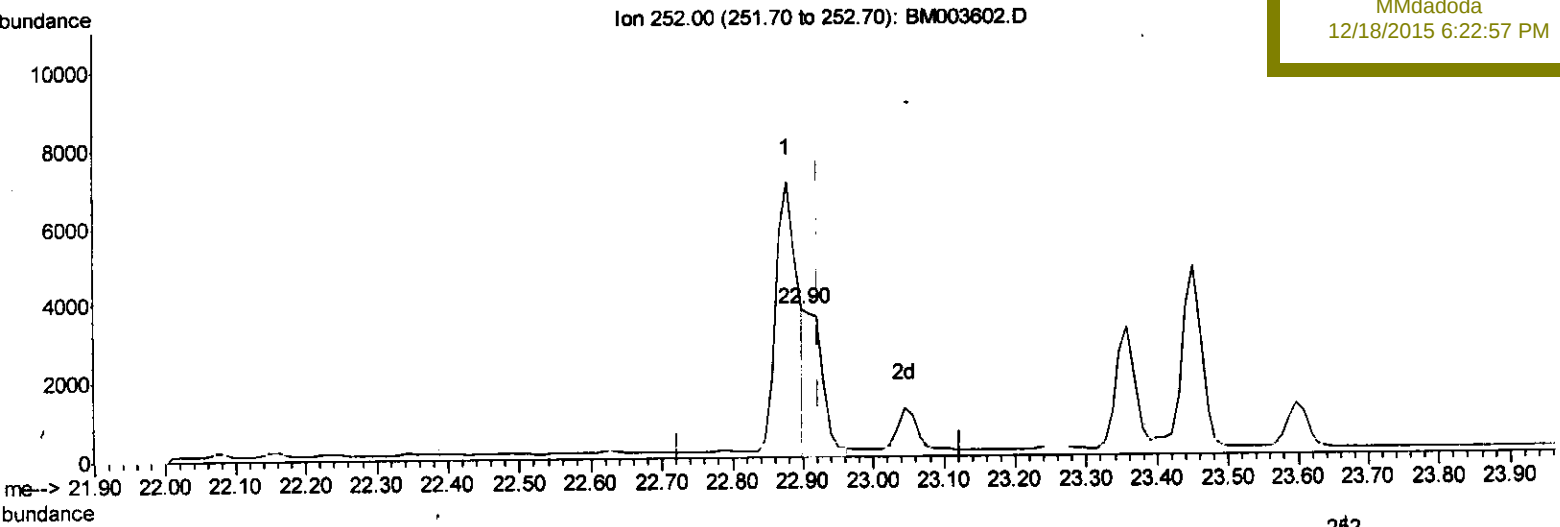
Ion	Exp%	Act%
252.00	100	100
253.00	24.80	25.93
125.00	13.00	14.44
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121715\
Data File : BM003602.D
Acq On : 17 Dec 2015 16:53
Operator : UM/IZ
Sample : G4767-08DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 18 02:54:01 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Dec 18 00:41:46 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampled :
D9N30DL

Manual Integrations
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(24) Benzo(k)fluoranthene

22.899min (-0.024) 0.21ng/ui m

response 6425

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	30.00#
125.00	13.00	18.12#
0.00	0.00	0.00

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Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
Data File : BM003602.D
Acq On : 17 Dec 2015 16:53
Operator : UM/IZ
Sample : G4767-08DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 18 02:55:56 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
Quant Title : ASF BNA STANDARDS FOR 5 POINT CALIBRATION
Quant Update : Fri Dec 18 00:41:46 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9N30DL

Manual Integrations
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Internal Standards	R.T.	Q Ion	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	2273	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	8805	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.35	164	5020	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.11	188	10478m	0.40	ng/ul	0.00
18) Chrysene-d12	21.30	240	9898	0.40	ng/ul	0.00
22) Perylene-d12	23.56	264	9667	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	2260	2.33	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.09	152	712	0.07	ng/ul	0.00
16) Fluoranthene-d10	19.14	212	1206m	0.05	ng/ul	0.00

Target Compounds	R.T.	Q Ion	Response	Conc	Units	Qvalue
5) Naphthalene	10.55	128	14305	0.72	ng/ul	98
7) 2-Methylnaphthalene	12.16	142	17991	1.35	ng/ul	99
9) Acenaphthylene	14.07	152	5095	0.27	ng/ul#	88
10) Acenaphthene	14.42	153	99387	6.43	ng/ul	96
11) Fluorene	15.41	166	96303	5.62	ng/ul	94
14) Phenanthrene	17.14	178	430470m	15.93	ng/ul	
15) Anthracene	17.23	178	35487	1.52	ng/ul	98
17) Fluoranthene	19.17	202	227865	7.76	ng/ul	97
19) Pyrene	19.53	202	155294	5.81	ng/ul	98
20) Benzo(a)anthracene	21.28	228	30869m	1.28	ng/ul	
21) Chrysene	21.34	228	27901m	1.01	ng/ul	
23) Benzo(b)fluoranthene	22.88	252	15330m	0.46	ng/ul	
24) Benzo(k)fluoranthene	22.90	252	6425m	0.21	ng/ul	
25) Benzo(a)pyrene	23.45	252	8885	0.32	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	25.82	276	2704	0.08	ng/ul#	95
27) Dibenzo(a,h)anthracene	25.83	278	799	0.03	ng/ul#	19
28) Benzo(g,h,i)perylene	26.52	276	2307	0.08	ng/ul#	84

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

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Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
Data File : BM003602.D
Acq On : 17 Dec 2015 16:53
Operator : UM/IZ
Sample : G4767-08DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 18 02:55:56 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 :
D9N30DL

Manual Integrations
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