

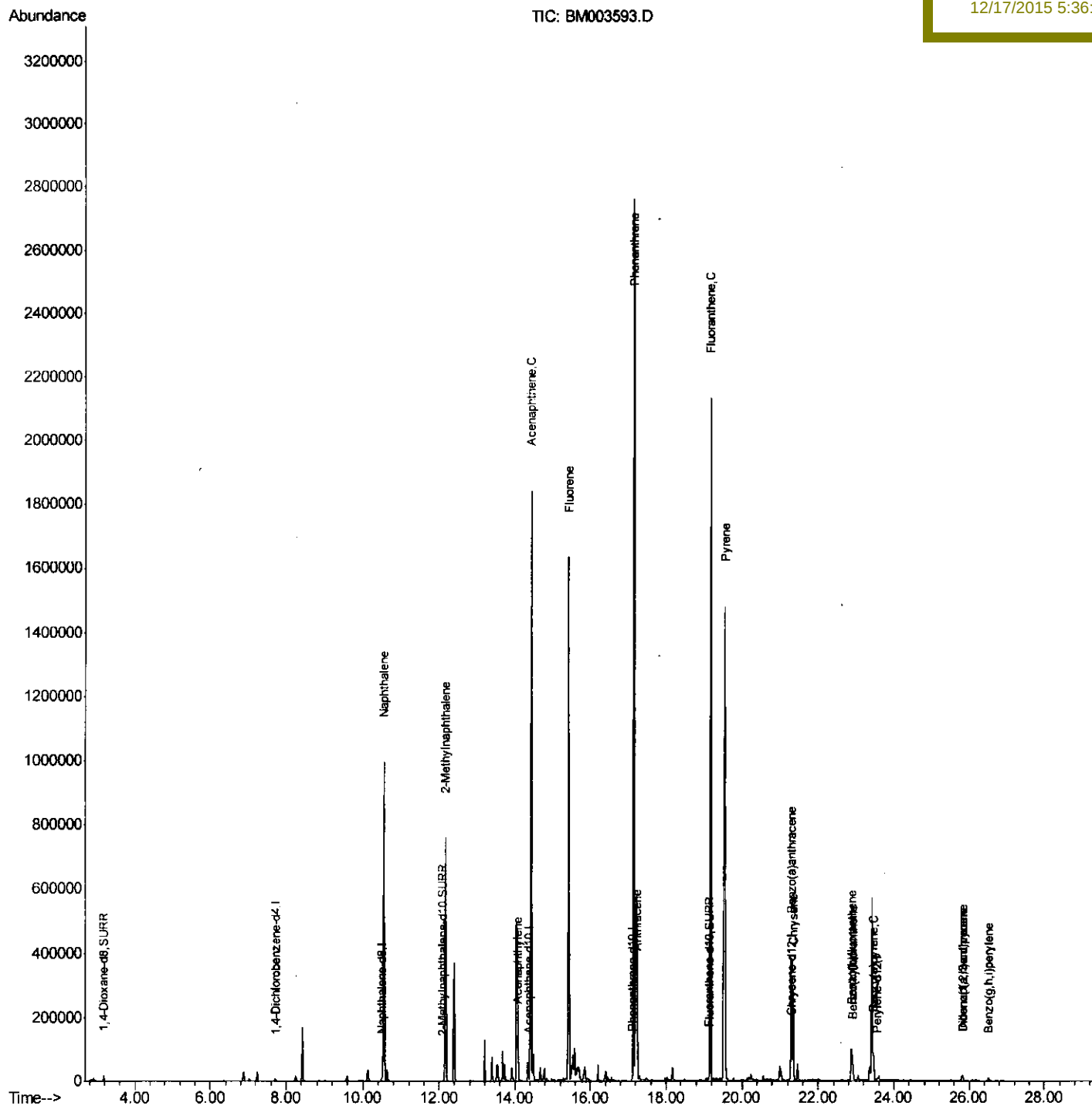
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121615\
Data File : BM003593.D
Acq On : 17 Dec 2015 00:31
Operator : UM/IZ
Sample : G4767-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 17 08:16:32 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 : Thu Dec 17 02:56:38 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9N39

Manual Integrations
APPROVED

MMdadoda
12/17/2015 5:36:19 PM



Quantitation Report (Qedit)

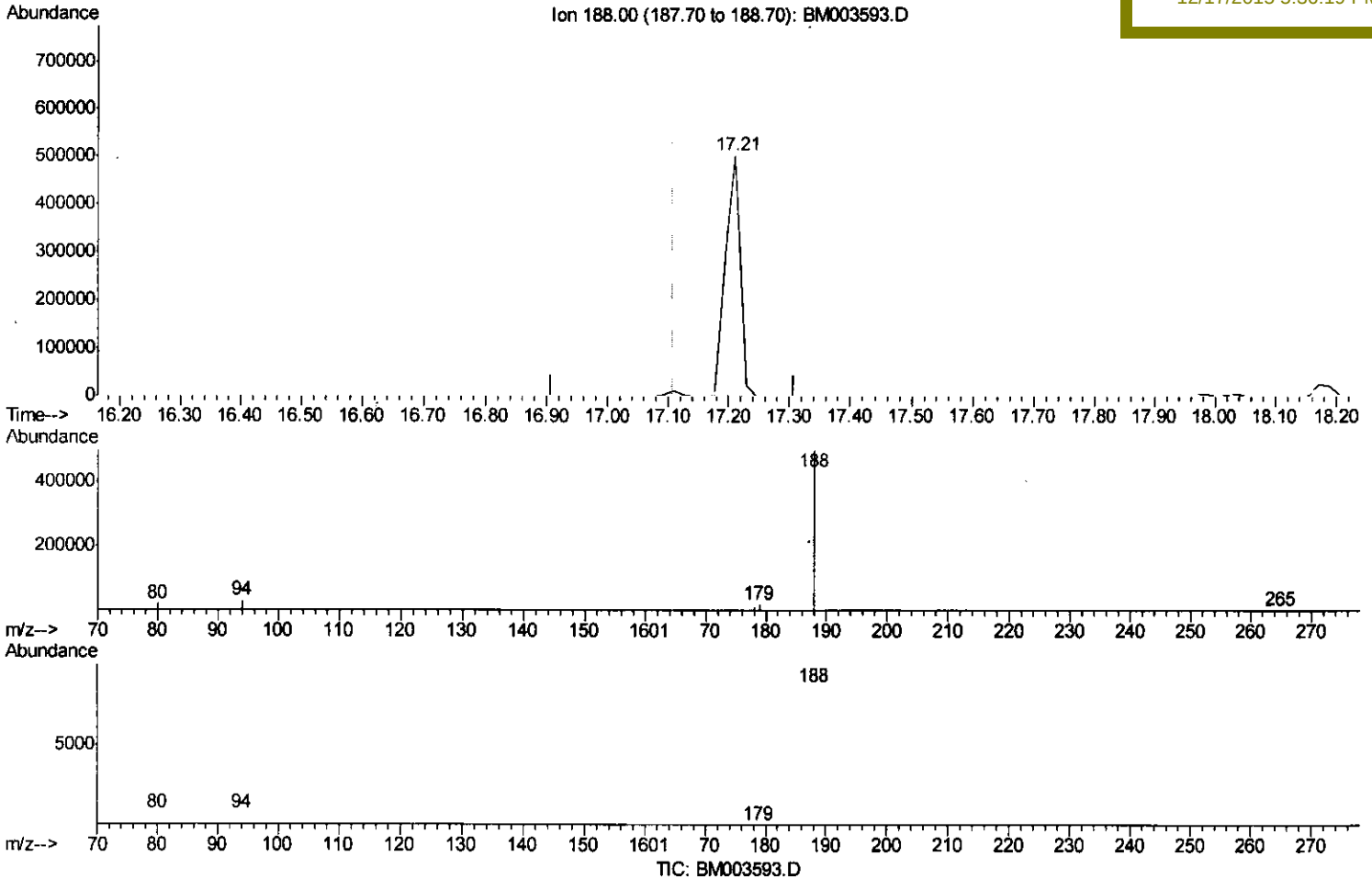
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121615\
 Data File : BM003593.D
 Acq On : 17 Dec 2015 00:31
 Operator : UM/IZ
 Sample : G4767-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N39

Quant Time: Dec 17 03:03:40 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 : Thu Dec 17 02:56:38 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMdadoda
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(12) Phenanthrene-d10 (I)

17.211min (+0.103) 0.40ng/ul

response 847966

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	5.73#
80.00	11.90	3.93#
0.00	0.00	0.00

Quantitation Report (Qedit)

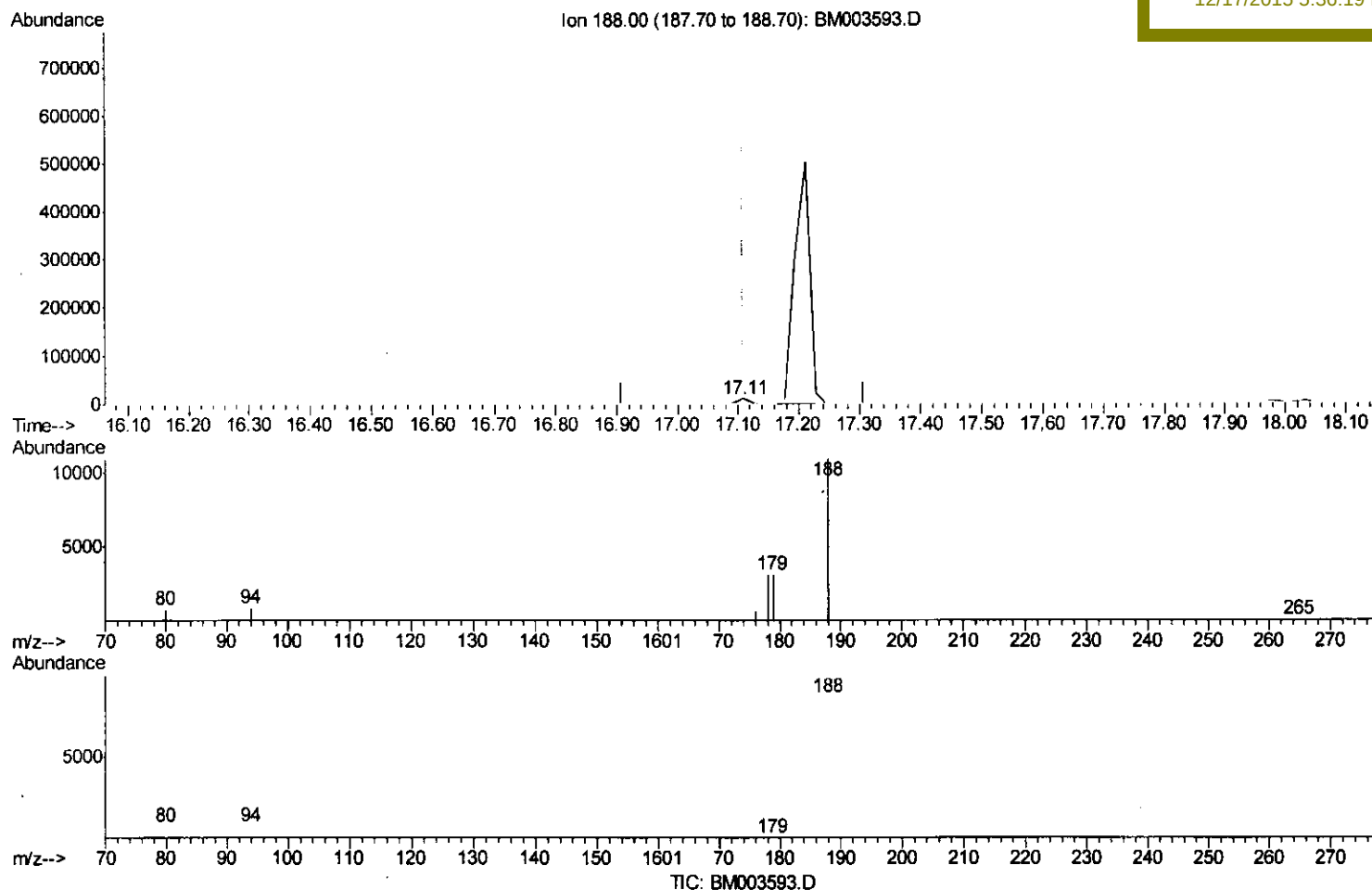
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121615\
Data File : BM003593.D
Acq On : 17 Dec 2015 00:31
Operator : UM/IZ
Sample : G4767-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9N39

Quant Time: Dec 17 03:03:40 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 : Thu Dec 17 02:56:38 2015
Response via : Initial Calibration

Manual Integrations
APPROVED

MMdadoda
12/17/2015 5:36:19 PM



(12) Phenanthrene-d10 (I)

17.108min (+0.000) 0.40ng/ul m

response 16456

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	8.06#
80.00	11.90	7.33#
0.00	0.00	0.00

U.M
12/18/15

Quantitation Report (Qedit)

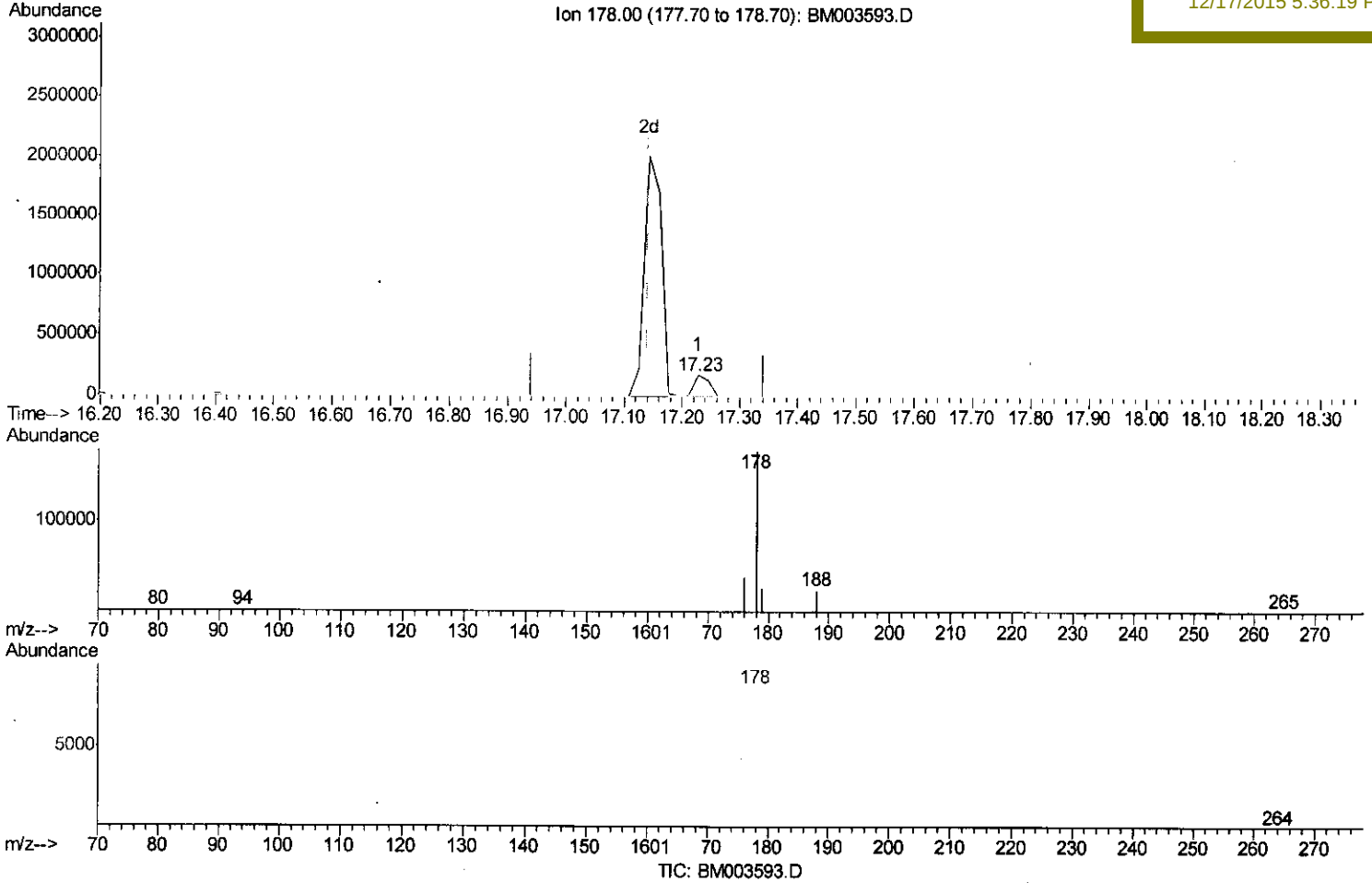
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121615\
 Data File : BM003593.D
 Acq On : 17 Dec 2015 00:31
 Operator : UM/I2
 Sample : G4767-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 17 03:03:40 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 : Thu Dec 17 02:56:38 2015
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 D9N39

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 5:36:19 PM



(14) Phenanthrene

17.228min (+0.086) 8.32ng/ul

response 353010

Ion	Exp%	Act%
178.00	100	100
176.00	16.20	21.50#
179.00	17.70	14.62
0.00	0.00	0.00

Quantitation Report (Qedit)

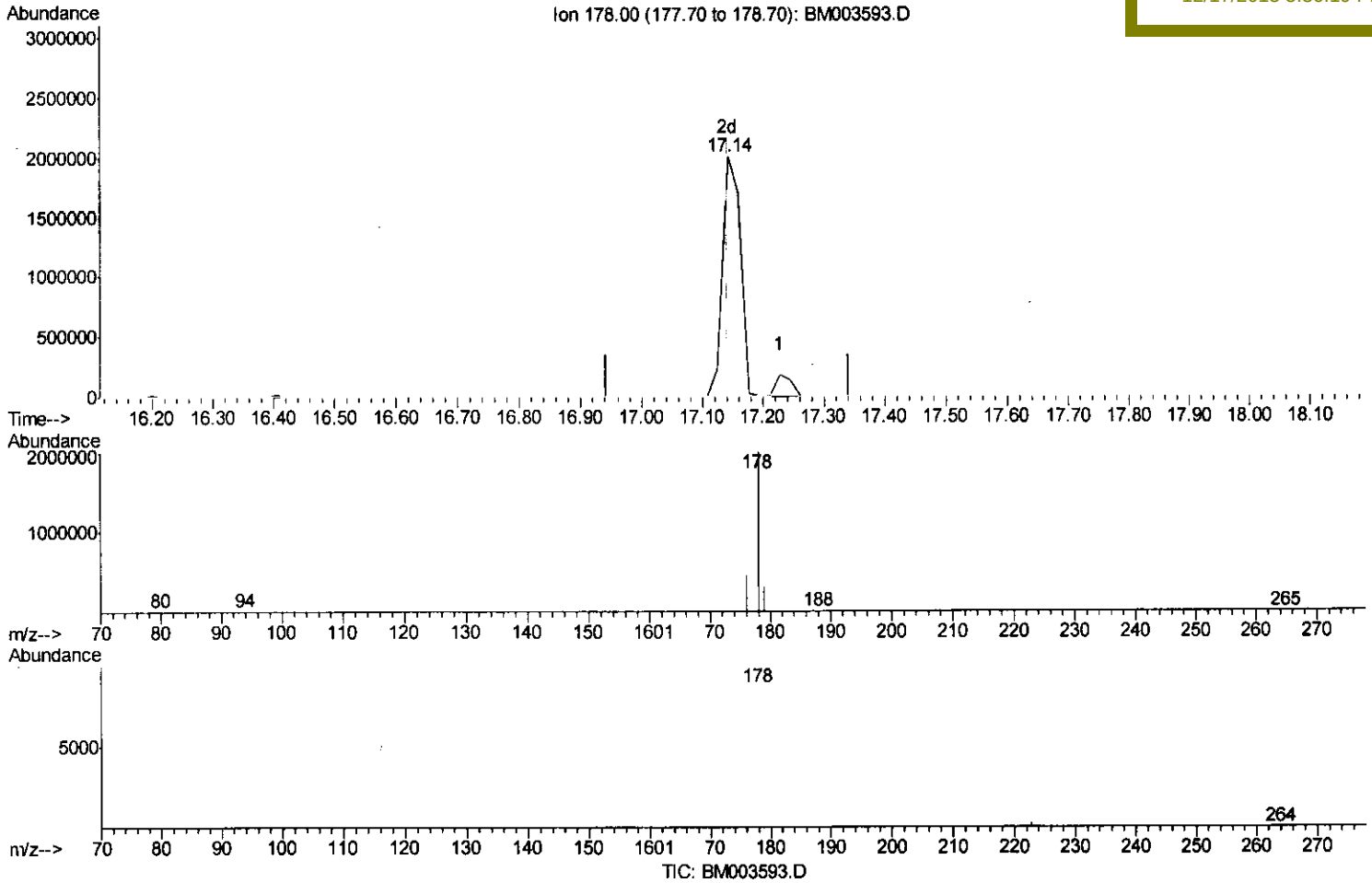
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121615\
Data File : BM003593.D
Acq On : 17 Dec 2015 : 00:31
Operator : UM/IZ
Sample : G4767-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9N39

Manual Integrations
APPROVED

MMdadoda
12/17/2015 5:36:19 PM

Quant Time: Dec 17 03:03:40 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 : Thu Dec 17 02:56:38 2015
Response via : Initial Calibration



(14) Phenanthrene

17.142min (+0.000) 96.33ng/ul m

response 4088815

Ion	Exp%	Act%
178.00	100	100
176.00	16.20	22.62#
179.00	17.70	14.85
0.00	0.00	0.00

U.M
12/18/15

Quantitation Report (Qedit)

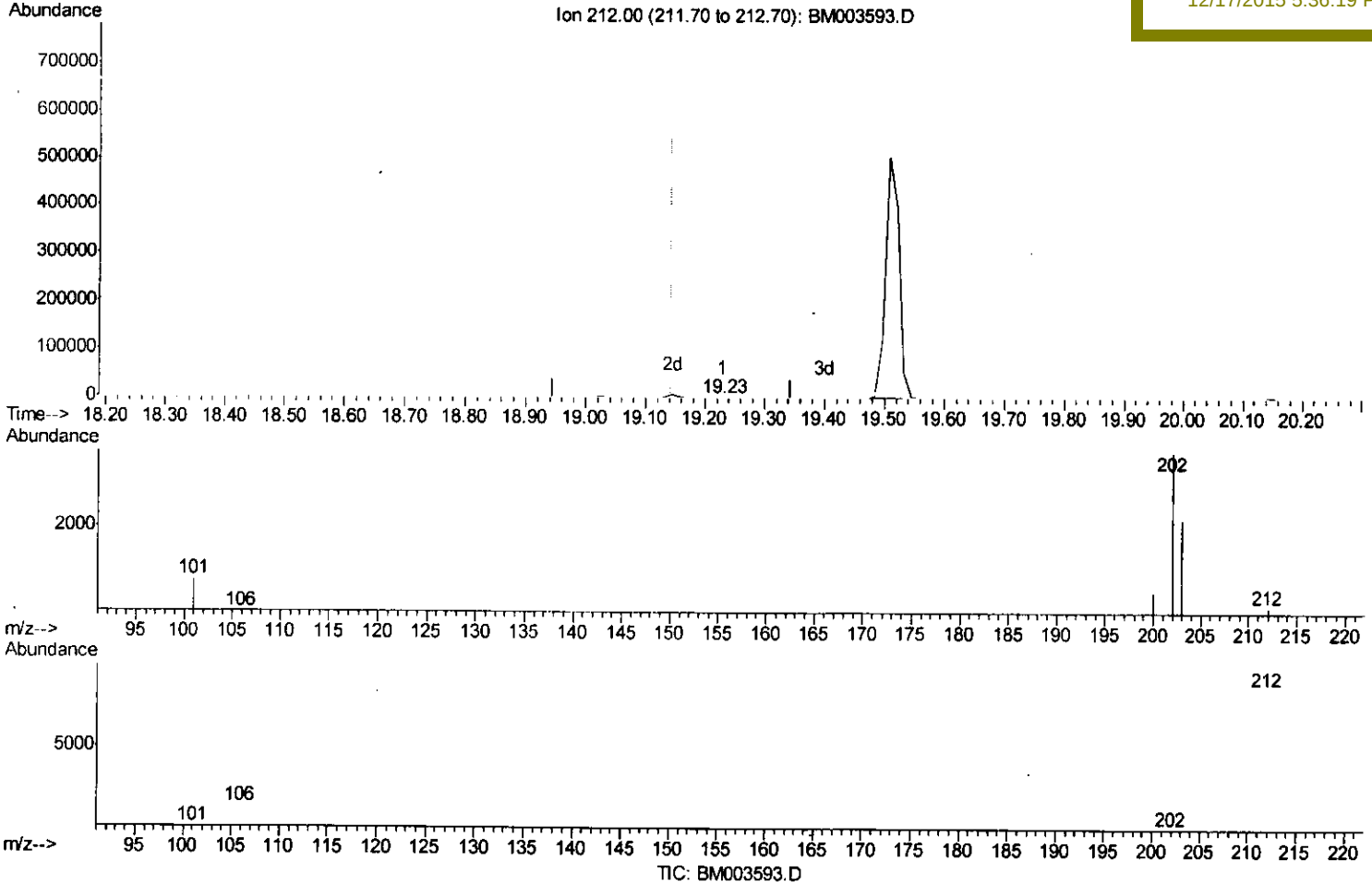
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121615\
 Data File : BM003593.D
 Acq On : 17 Dec 2015 00:31
 Operator : UM/IZ
 Sample : 04767-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N39

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 5:36:19 PM

Quant Time: Dec 17 08:14:38 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 : Thu Dec 17 02:56:38 2015
 Response via : Initial Calibration



(16) Fluoranthene-d10 (SURR)

19.230min (+0.085) 0.01ng/ul

response 356

Ion	Exp%	Act%
212.00	100	100
106.00	0.00	43.26#
104.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

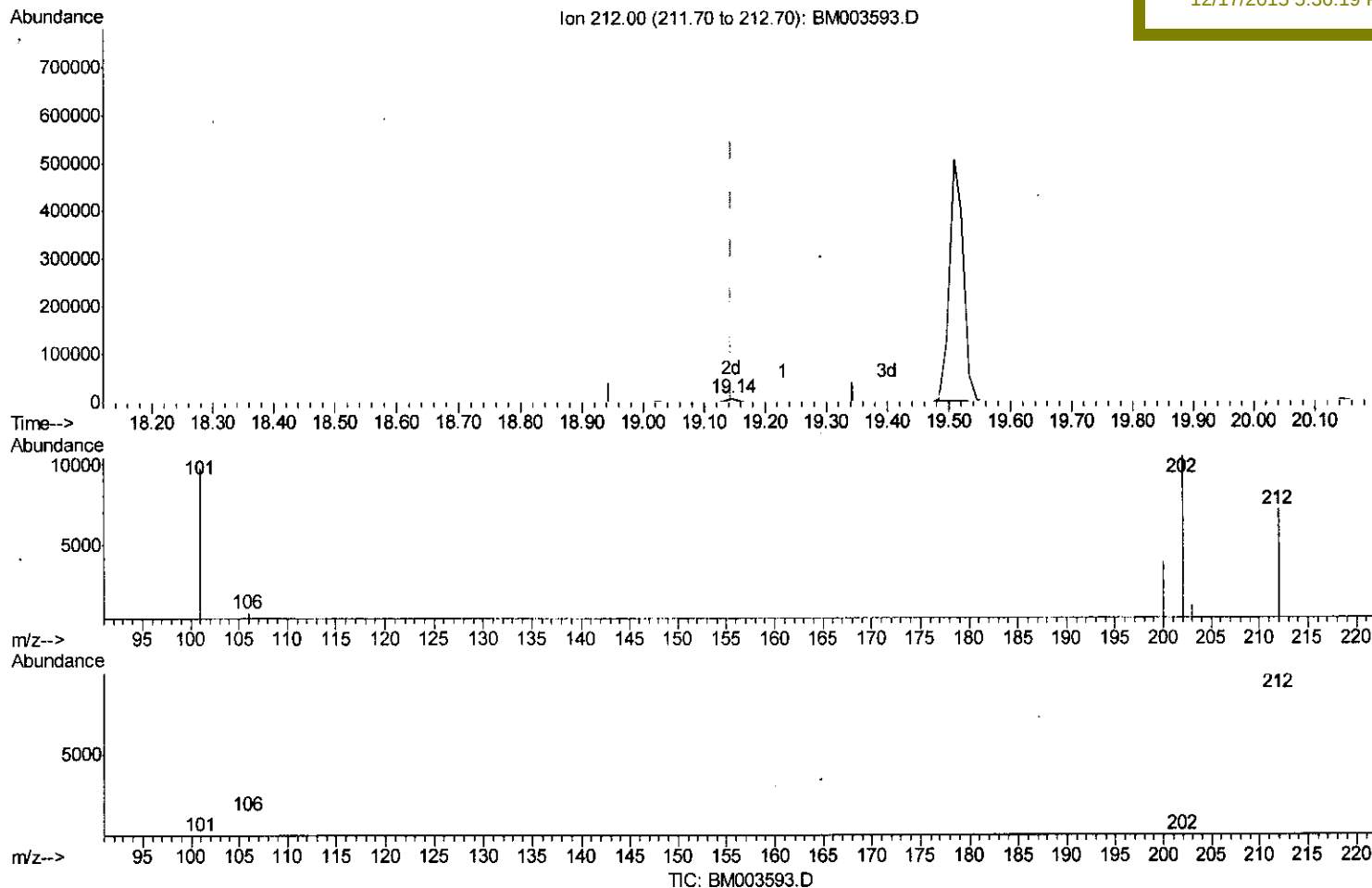
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121615\
 Data File : BM003593.D
 Acq On : 17 Dec 2015 00:31
 Operator : UM/IZ
 Sample : G4767-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N39

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 5:36:19 PM

Quant Time: Dec 17 08:14:38 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 : Thu Dec 17 02:56:38 2015
 Response via : Initial Calibration



(16) Fluoranthene-d10 (SURRE)

19.145min (+0.000) 0.29ng/ul m

response 10126

U.M
 12/18/15

Ion	Exp%	Act%
212.00	100	100
106.00	0.00	1.52#
104.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

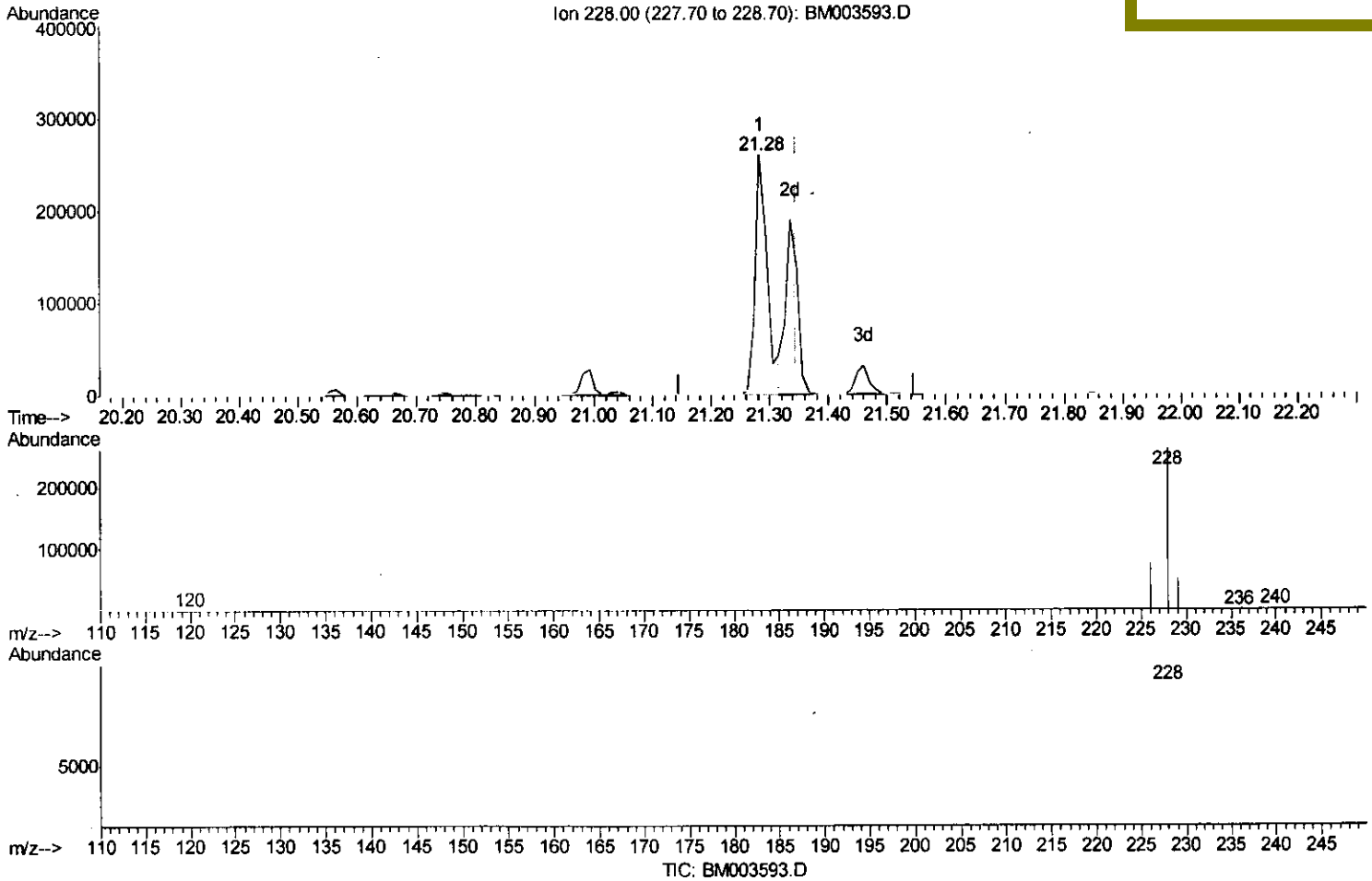
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121615\
 Data File : BM003593.D
 Acq On : 17 Dec 2015 00:31
 Operator : UM/1Z
 Sample : G4767-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N39

Quant Time: Dec 17 08:14:38 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 : Thu Dec 17 02:56:38 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 5:36:19 PM



(21) Chrysene

21.283min (-0.062) 9.20ng/ul

response 371269

Ion	Exp%	Act%
228.00	100	100
226.00	26.50	29.04
229.00	21.30	19.07
0.00	0.00	0.00

Quantitation Report (Qedit)

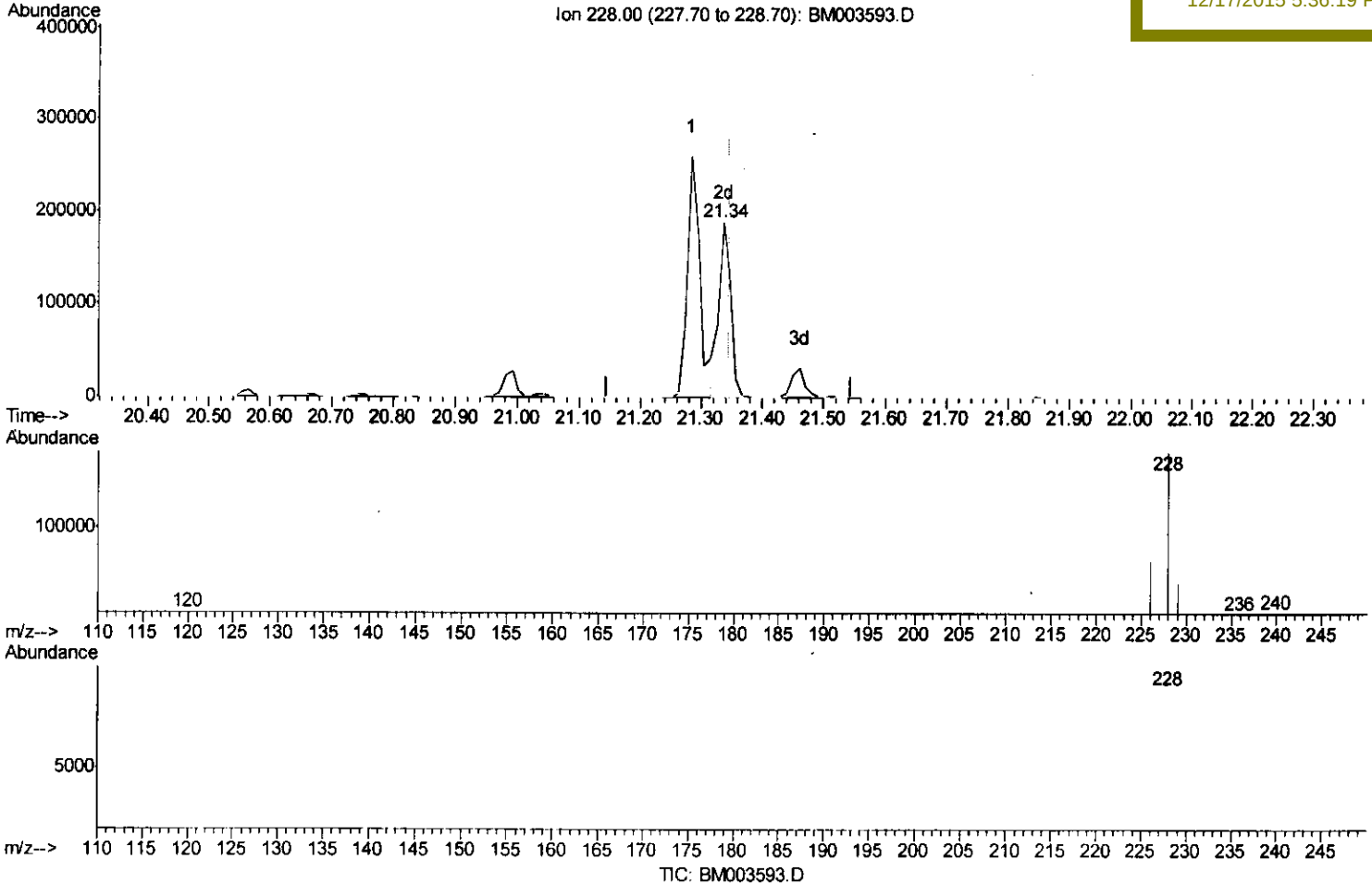
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121615\
 Data File : BM003593.D
 Acq On : 17 Dec 2015 00:31
 Operator : UM/IZ
 Sample : G4767-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 17 08:14:38 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 : Thu Dec 17 02:56:38 2015
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 D9N39

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 5:36:19 PM



(21) Chrysene

21.336min (-0.010) 6.61ng/ul m

response 266853

U.M
 12/18/15

Ion	Exp%	Act%
228.00	100	100
226.00	26.50	32.12#
229.00	21.30	19.40
0.00	0.00	0.00

Quantitation Report (Qedit)

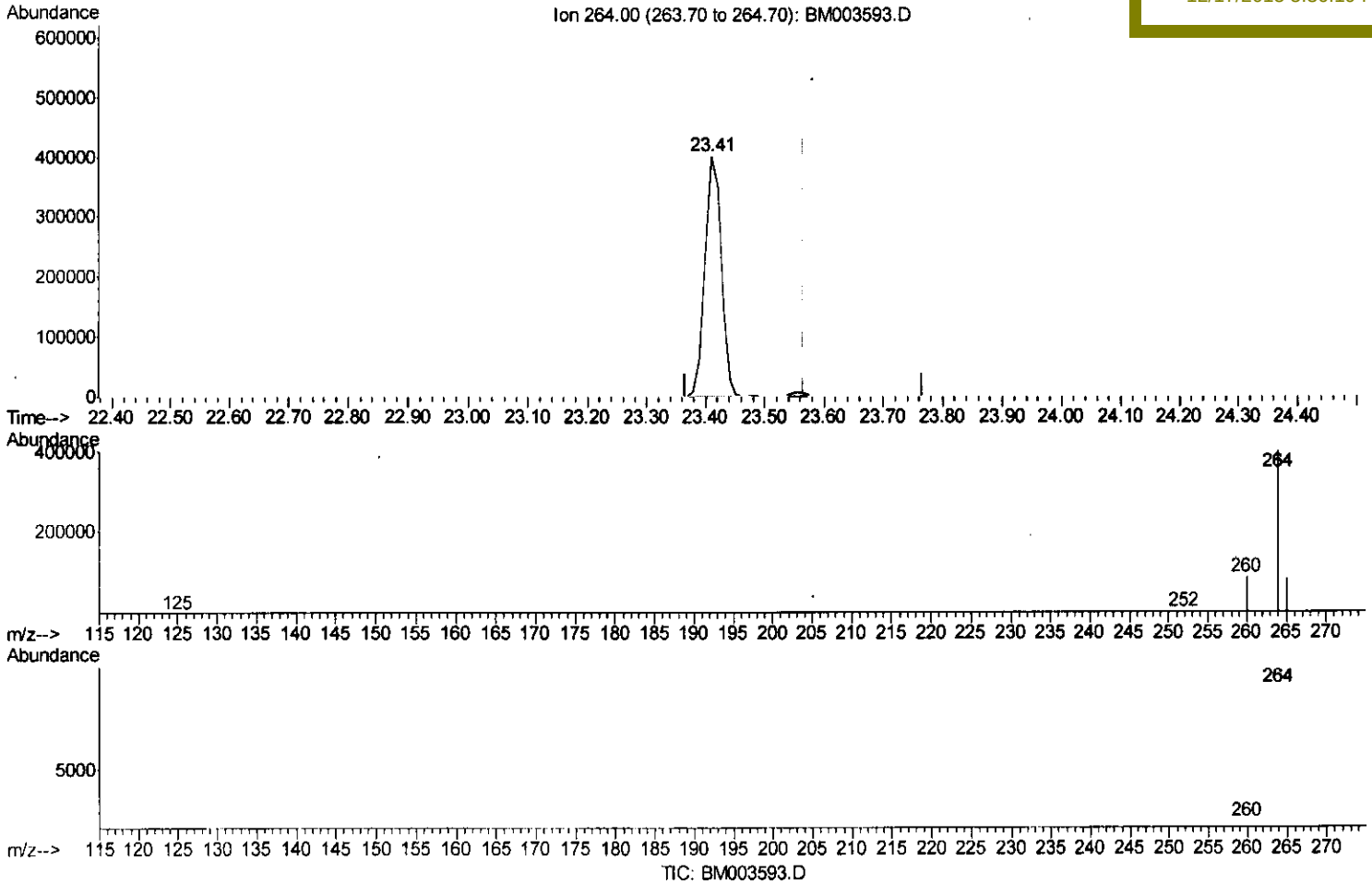
Data Path : F:\HPCHEM1\BNA_M\Data\BM121615\
 Data File : BM003593.D
 Acq On : 17 Dec 2015 00:31
 Operator : UM/IZ
 Sample : G4767-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N39

Quant Time: Dec 17 08:14:38 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 : Thu Dec 17 02:56:38 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 5:36:19 PM



(22) Perylene-d12 (I)

23.410min (-0.156) 0.40ng/ul

response 762344

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	21.89
265.00	38.20	20.85#
0.00	0.00	0.00

Quantitation Report (Qedit)

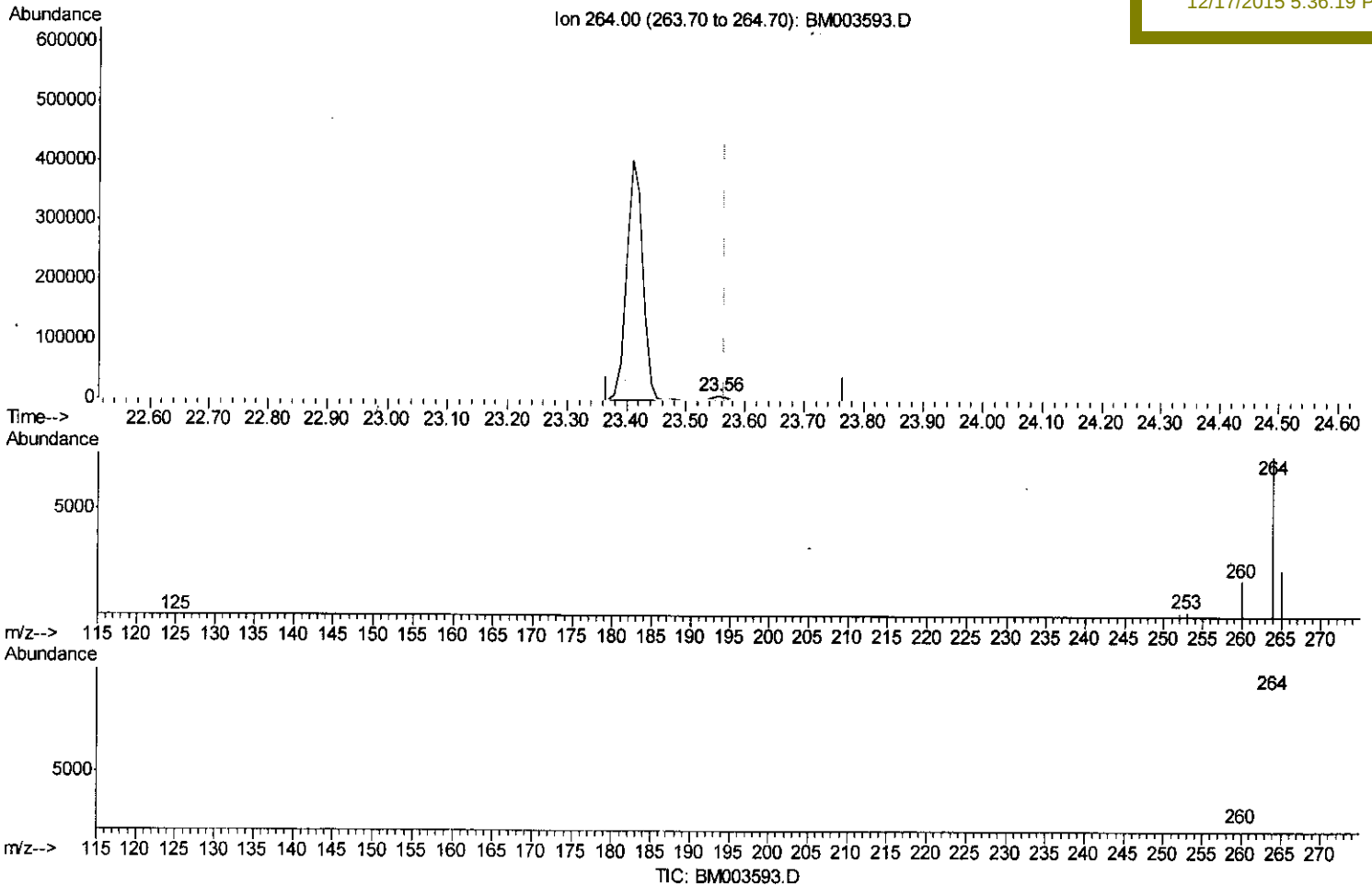
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121615\
 Data File : BM003593.D
 Acq On : 17 Dec 2015 00:31
 Operator : UM/IZ
 Sample : G4767-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N39

Quant Time: Dec 17 08:14:38 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 : Thu Dec 17 02:56:38 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 5:36:19 PM



(22) Perylene-d12 (I)

23.556min (-0.010) 0.40ng/ul m U.M

response 16708

12/18/15

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	25.78
265.00	38.20	32.14
0.00	0.00	0.00

Quantitation Report (Qedit)

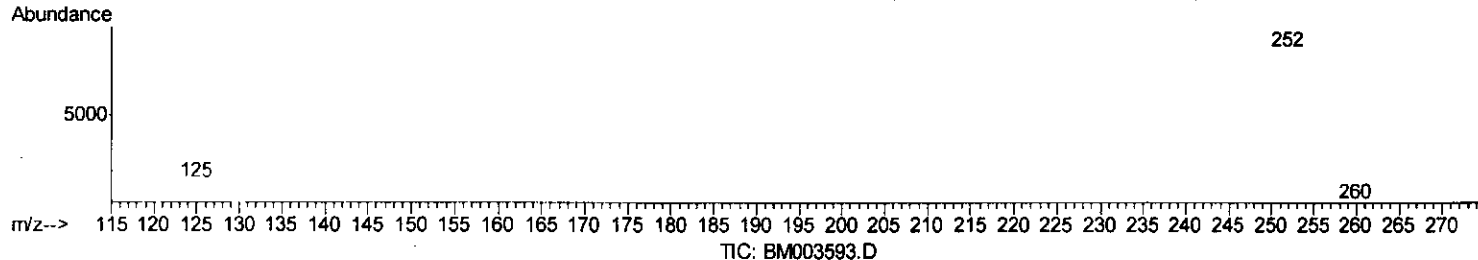
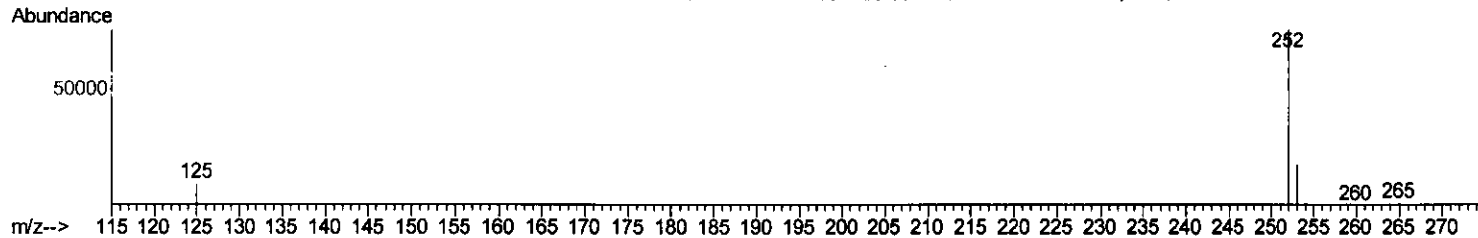
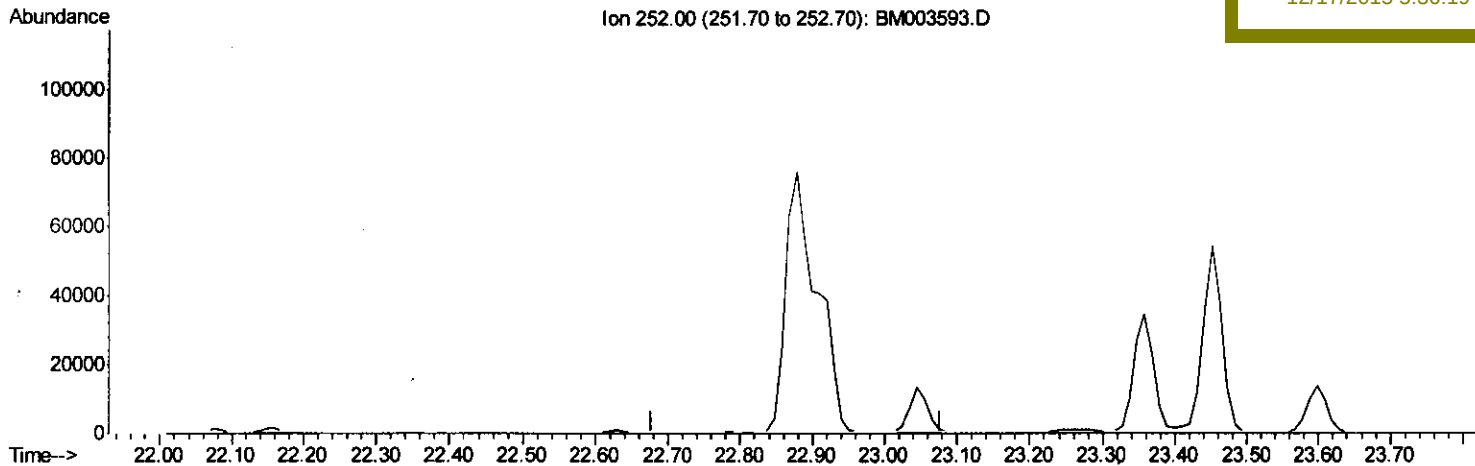
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121615\
 Data File : BM003593.D
 Acq On : 17 Dec 2015 00:31
 Operator : UM/IZ
 Sample : G4767-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N39

Quant Time: Dec 17 08:14:38 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 : Thu Dec 17 02:56:38 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 5:36:19 PM



(23) Benzo(b)fluoranthene

22.878min (-22.878) 0.00ng/ul

response 0

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

Quantitation Report (Qedit)

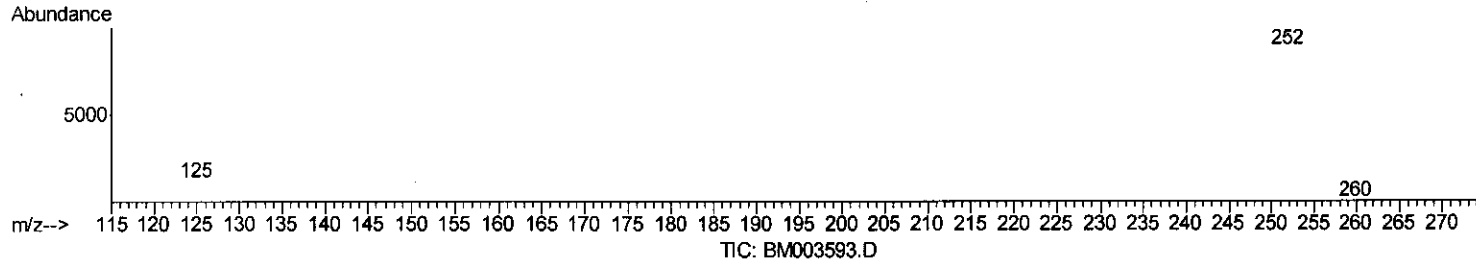
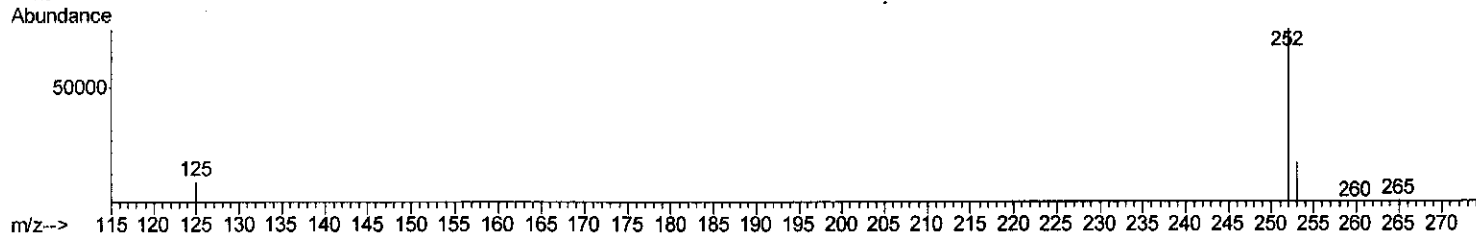
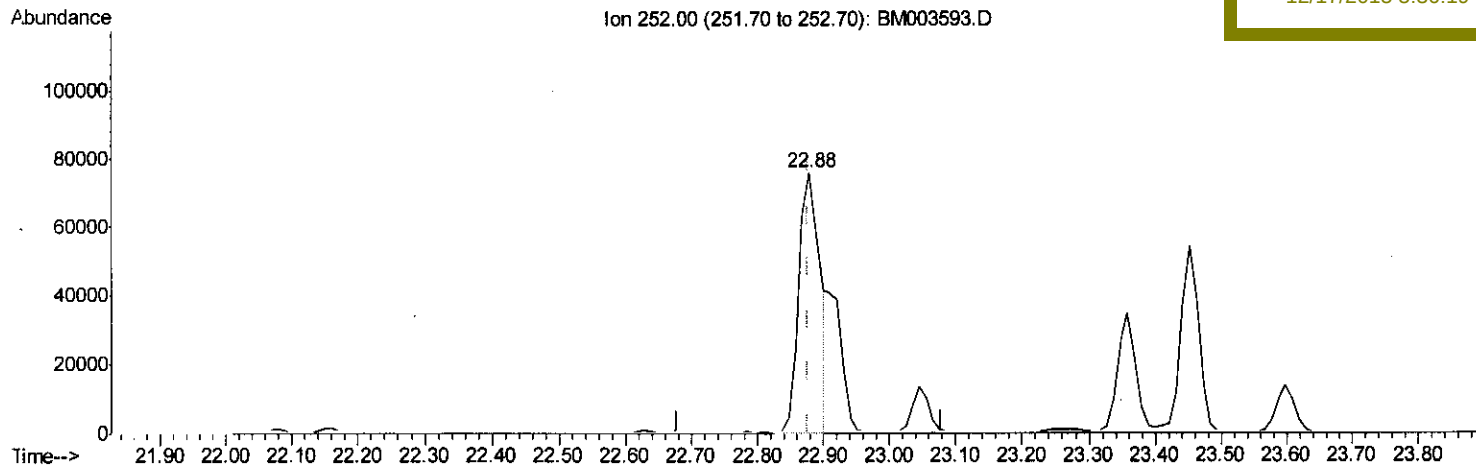
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121615\
 Data File : BM003593.D
 Acq On : 17 Dec 2015 00:31
 Operator : UM/IZ
 Sample : G4767-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N39

Manual Integrations
 APPROVED

MMdadoda
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Quant Time: Dec 17 08:14:38 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 : Thu Dec 17 02:56:38 2015
 Response via : Initial Calibration



(23) Benzo(b)fluoranthene

22.878min (+0.000) 2.93ng/ul m *U.M*
12/18/15

response 166956

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	22.77
125.00	14.40	11.93
0.00	0.00	0.00

Quantitation Report (Qedit)

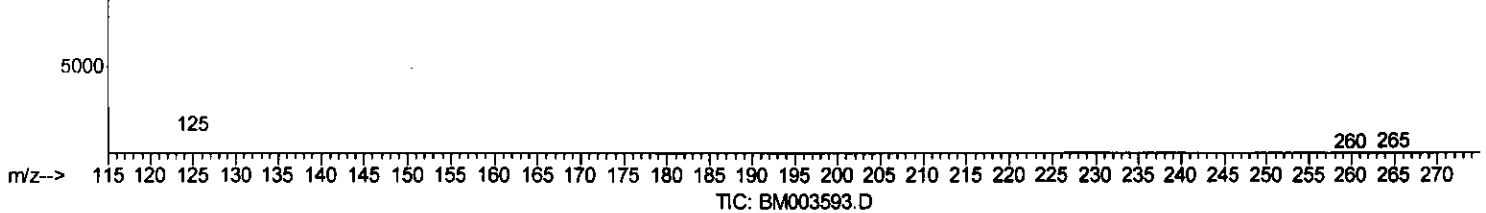
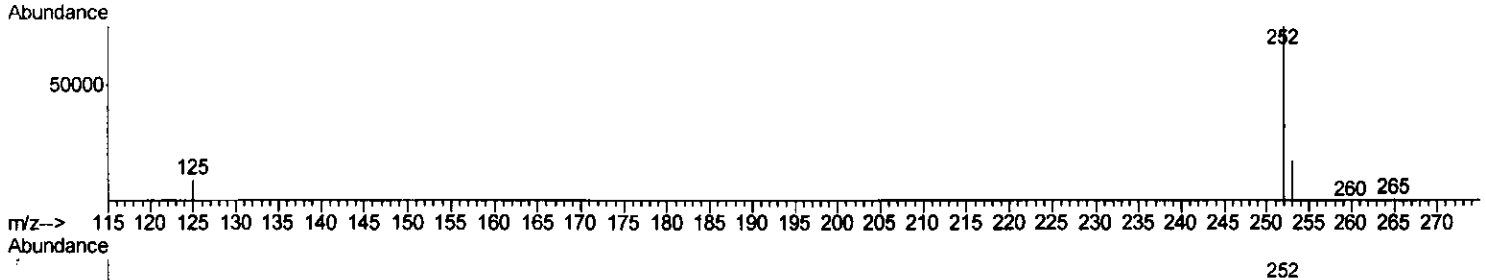
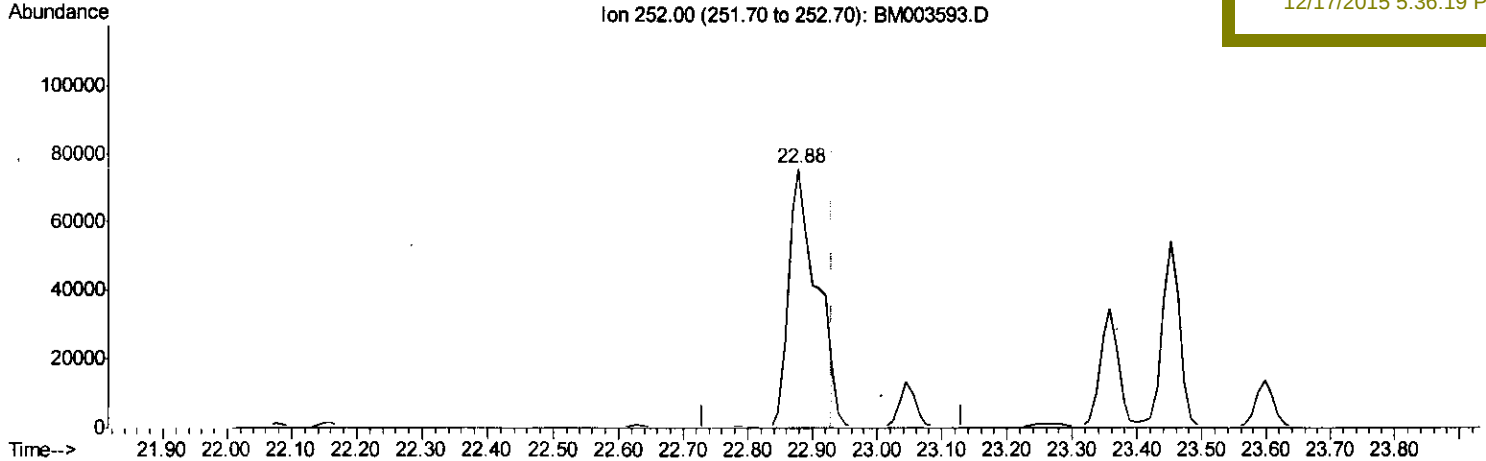
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121615\
 Data File : BM003593.D
 Acq On : 17 Dec 2015 00:31
 Operator : UM/IZ
 Sample : G4767-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N39

Quant Time: Dec 17 08:14:38 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 : Thu Dec 17 02:56:38 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 5:36:19 PM



(24) Benzo(k)fluoranthene

22.878min (-0.052) 4.36ng/ul

response 225364

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	22.77
125.00	13.00	11.93
0.00	0.00	0.00

Quantitation Report (Qedit)

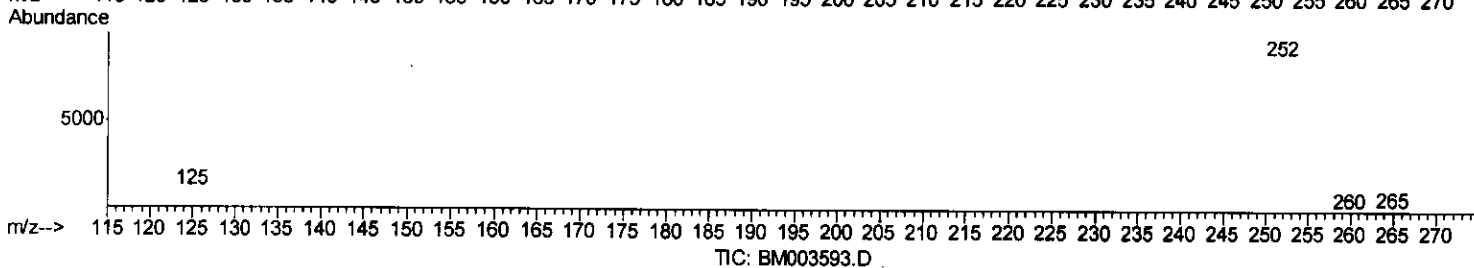
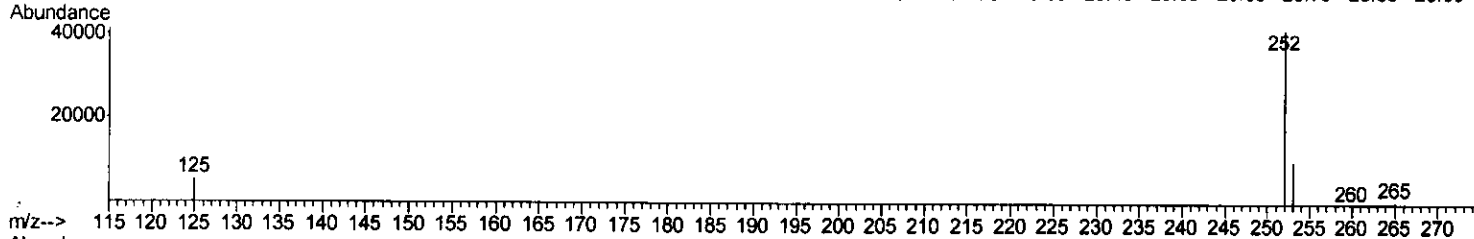
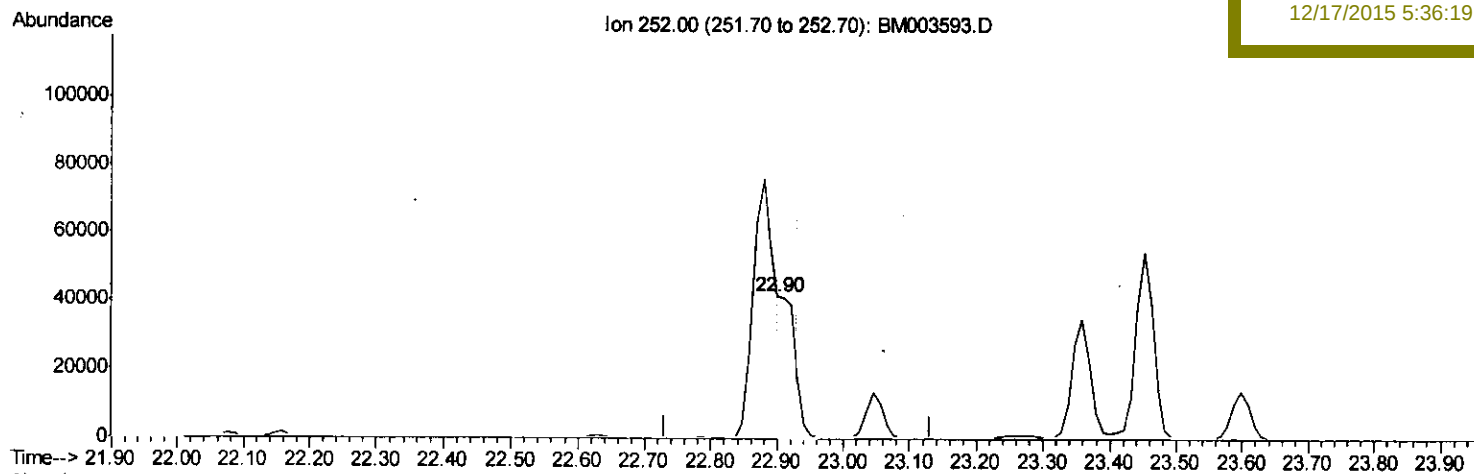
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121615\
Data File : BM003593.D
Acq On : 17 Dec 2015 00:31
Operator : UM/IZ
Sample : G4767-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 17 08:14:38 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 : Thu Dec 17 02:56:38 2015
Response via : Initial Calibration

Instrument :
BNA M
ClientSampleId :
D9N39

Manual Integrations
APPROVED

MMdadoda
12/17/2015 5:36:19 PM



(24) Benzo(k)fluoranthene

22.899min (-0.031) 1.25ng/ul m

response 64455

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	24.04
125.00	13.00	13.48
0.00	0.00	0.00

U.M
12/18/15

Quantitation Report (Qedit)

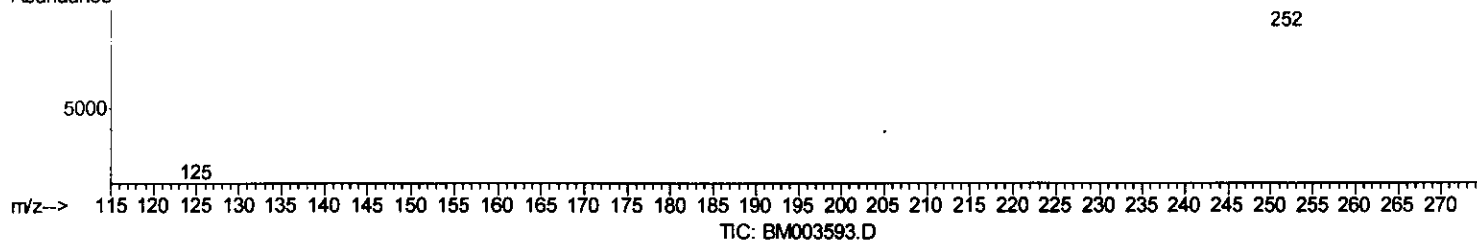
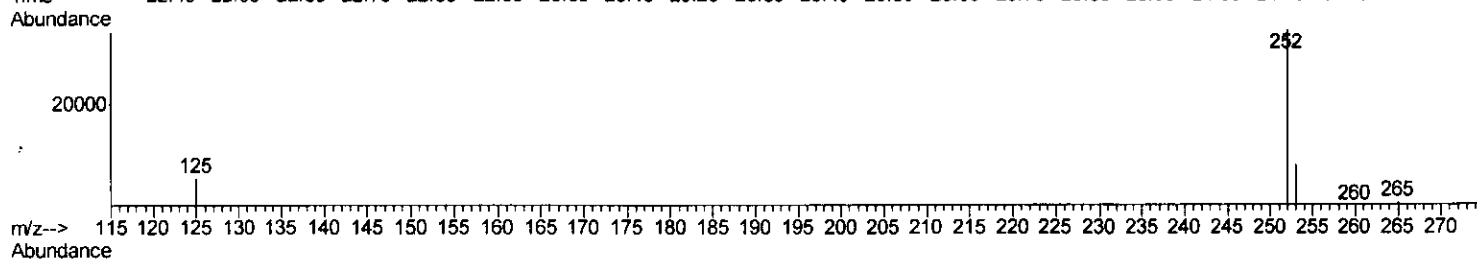
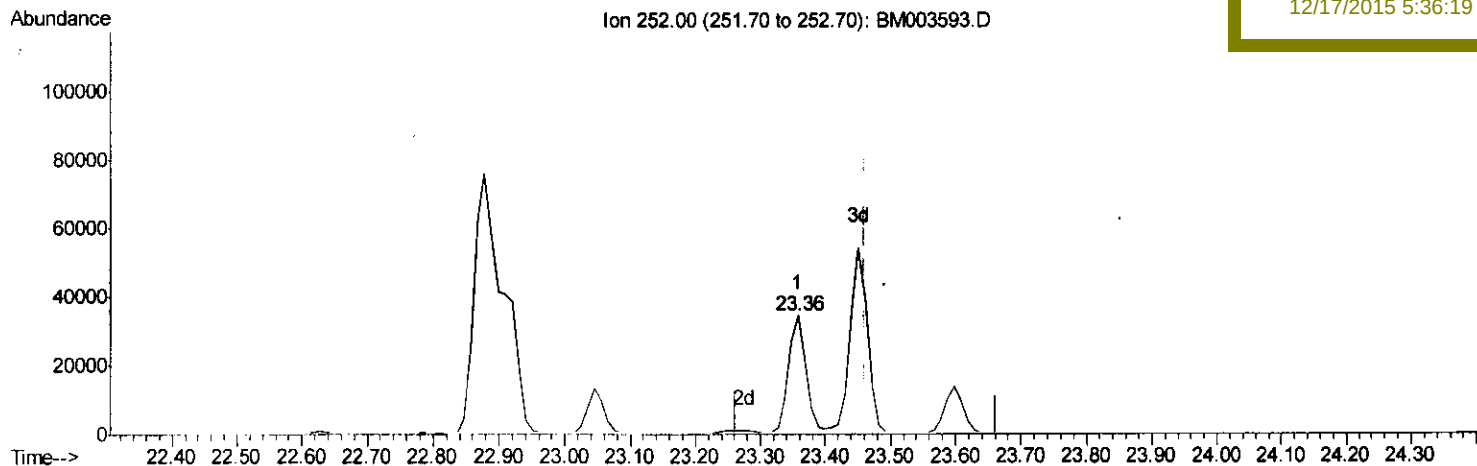
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121615\
 Data File : BM003593.D
 Acq On : 17 Dec 2015 00:31
 Operator : UM/IZ
 Sample : G4767-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N39

Manual Integrations
 APPROVED

MMdadoda
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Quant Time: Dec 17 08:14:38 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 : Thu Dec 17 02:56:38 2015
 Response via : Initial Calibration



(25) Benzo(a)pyrene (C)

23.358min (-0.104) 1.34ng/ul

response 64656

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	23.01
125.00	15.90	16.32
0.00	0.00	0.00

Quantitation Report (Qedit)

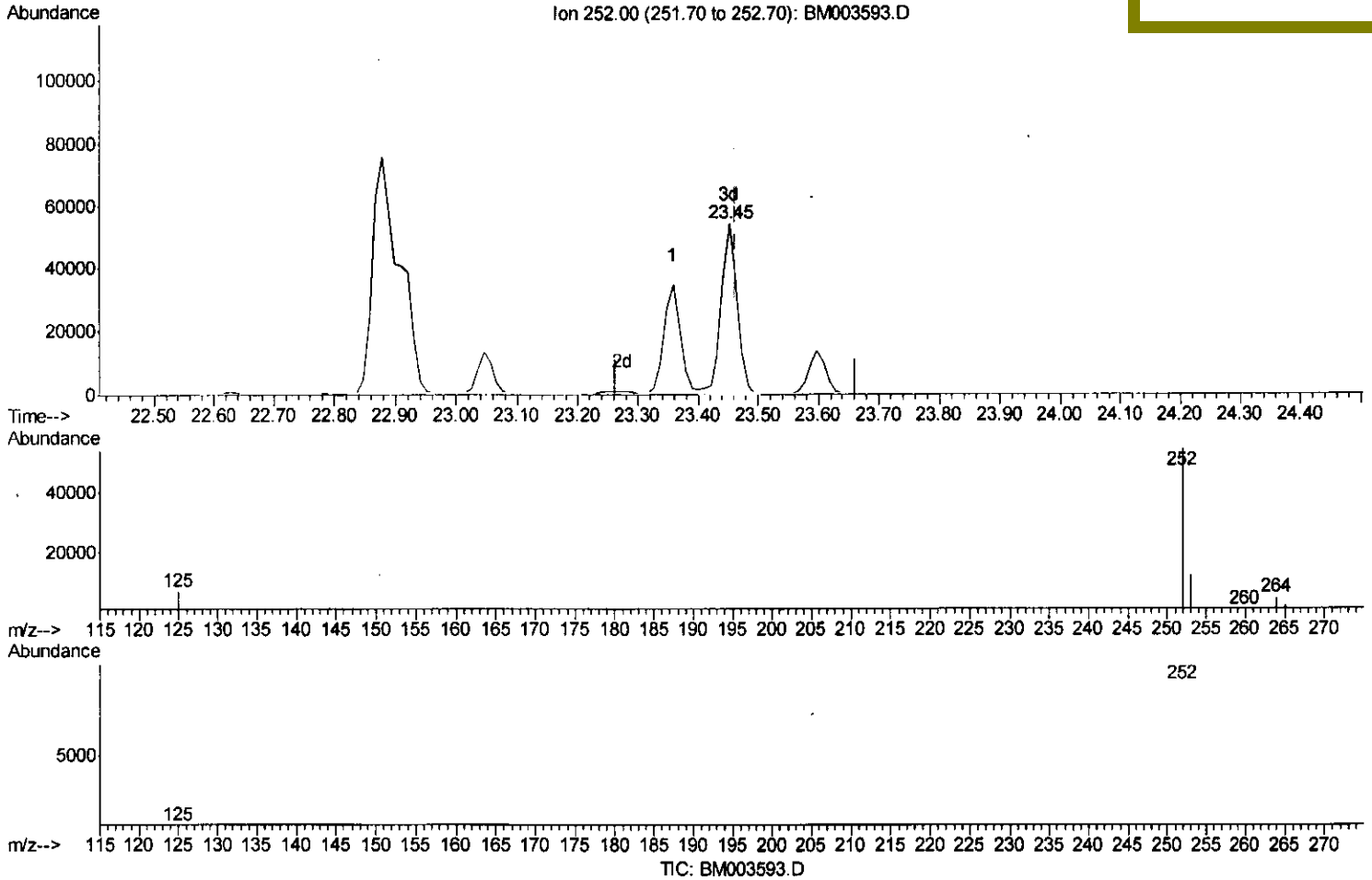
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121615\
 Data File : BM003593.D
 Acq On : 17 Dec 2015 00:31
 Operator : UM/IZ
 Sample : G4767-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N39

Quant Time: Dec 17 08:14:38 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 : Thu Dec 17 02:56:38 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 5:36:19 PM



(25) Benzo(a)pyrene (C)

23.452min (-0.010) 2.14ng/ul m U.M

response 102715

12/18/15

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	22.40
125.00	15.90	12.55#
0.00	0.00	0.00

Quantitation Report (Qedit)

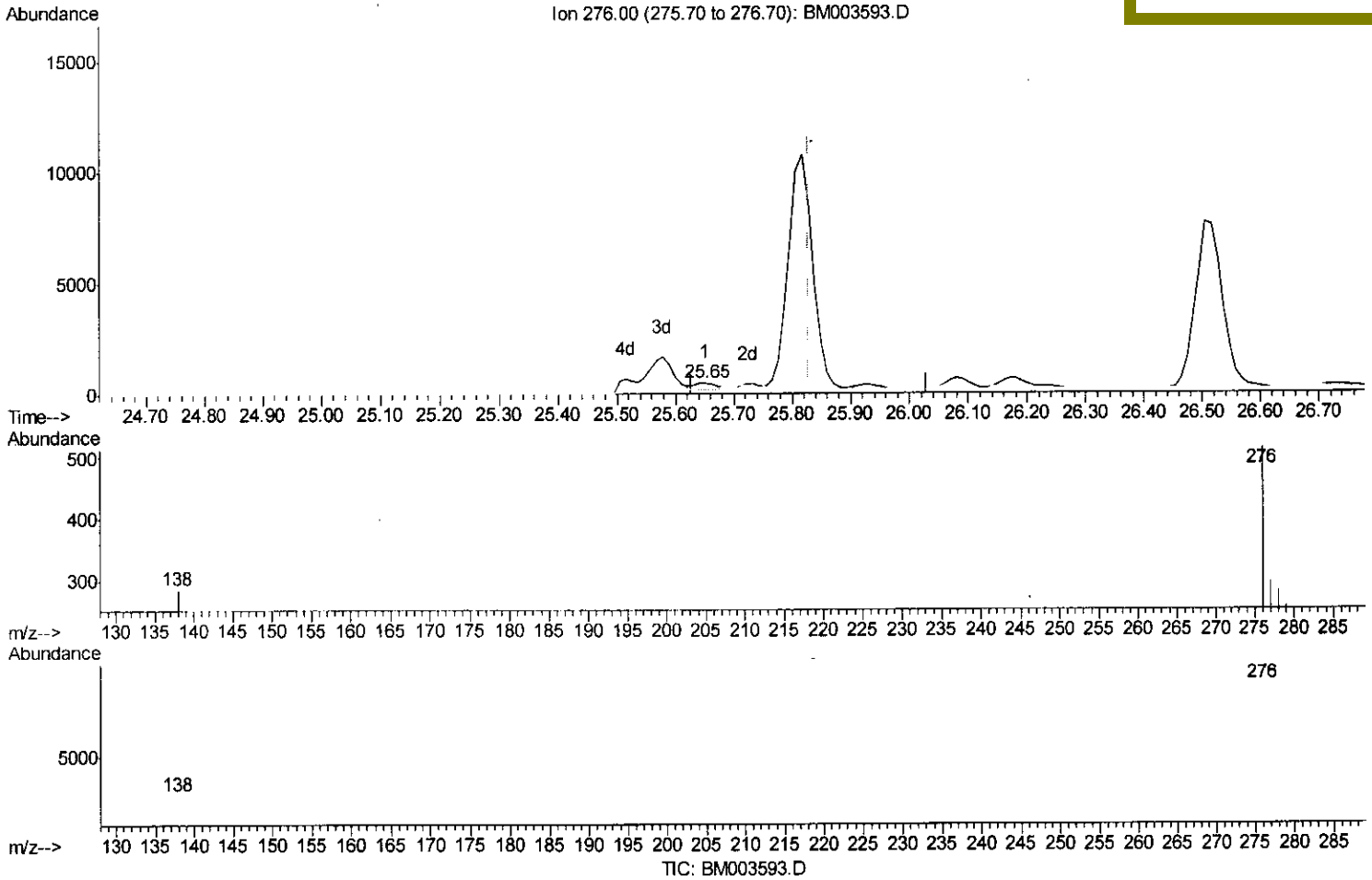
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121615\
 Data File : BM003593.D
 Acq On : 17 Dec 2015 00:31
 Operator : UM/IZ
 Sample : G4767-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA M
 ClientSampleId :
 D9N39

Quant Time: Dec 17 08:14:38 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 : Thu Dec 17 02:56:38 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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 12/17/2015 5:36:19 PM



(26) Indeno(1,2,3-cd)pyrene

25.651min (-0.177) 0.01ng/ul

response 804

Ion	Exp%	Act%
276.00	100	100
138.00	20.40	0.00#
277.00	24.80	60.45#
0.00	0.00	0.00

Quantitation Report (Qedit)

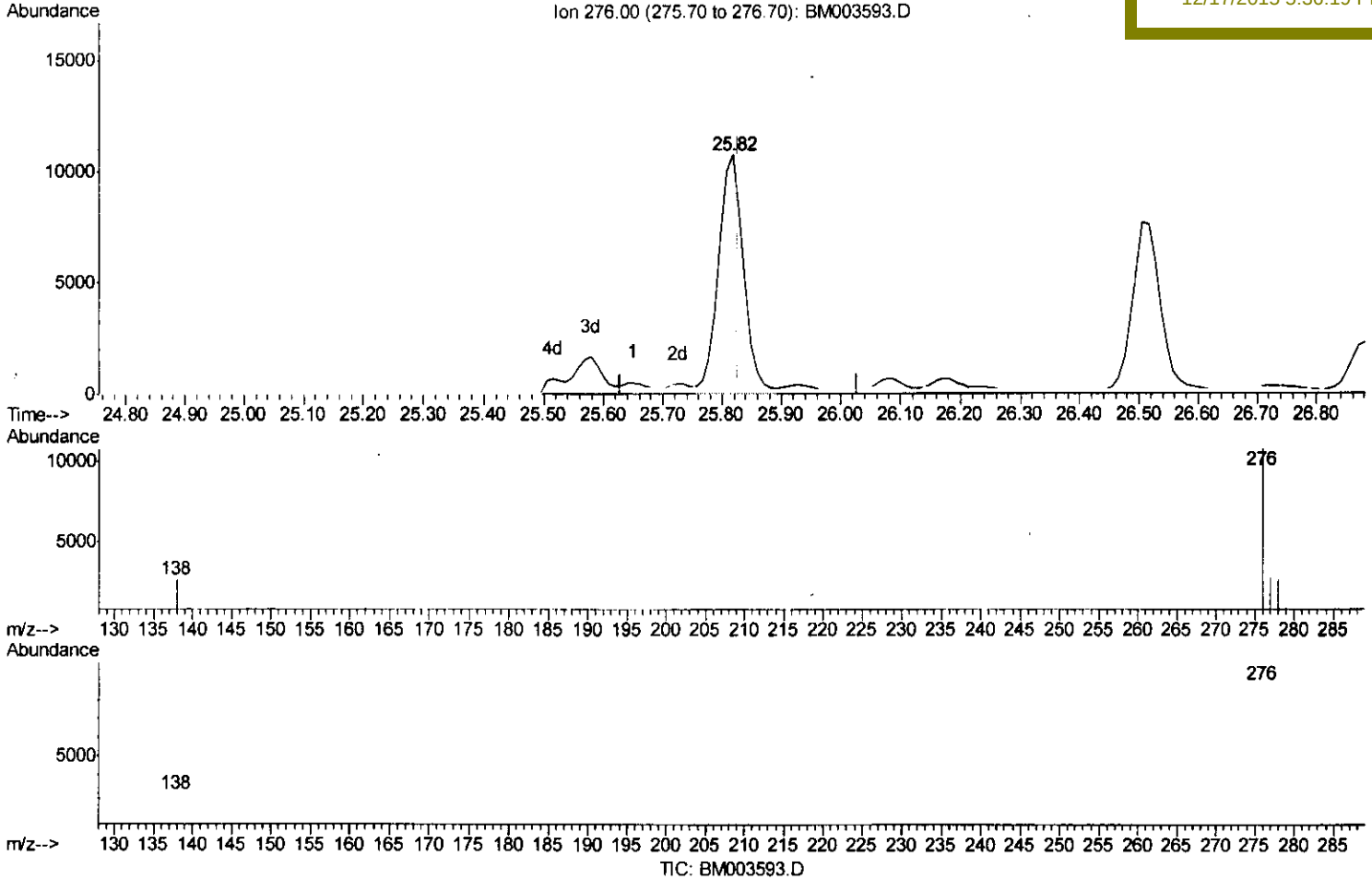
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121615\
 Data File : BM003593.D
 Acq On : 17 Dec 2015 00:31
 Operator : UM/1Z
 Sample : 04767-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N39

Manual Integrations
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Quant Time: Dec 17 08:14:38 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 : Thu Dec 17 02:56:38 2015
 Response via : Initial Calibration



(26) Indeno(1,2,3-cd)pyrene

25.818min (-0.010) 0.57ng/ul m U.M

response 31695

12/18/15

Ion	Exp%	Act%
276.00	100	100
138.00	20.40	0.00#
277.00	24.80	1.53#
0.00	0.00	0.00

Quantitation Report (Qedit)

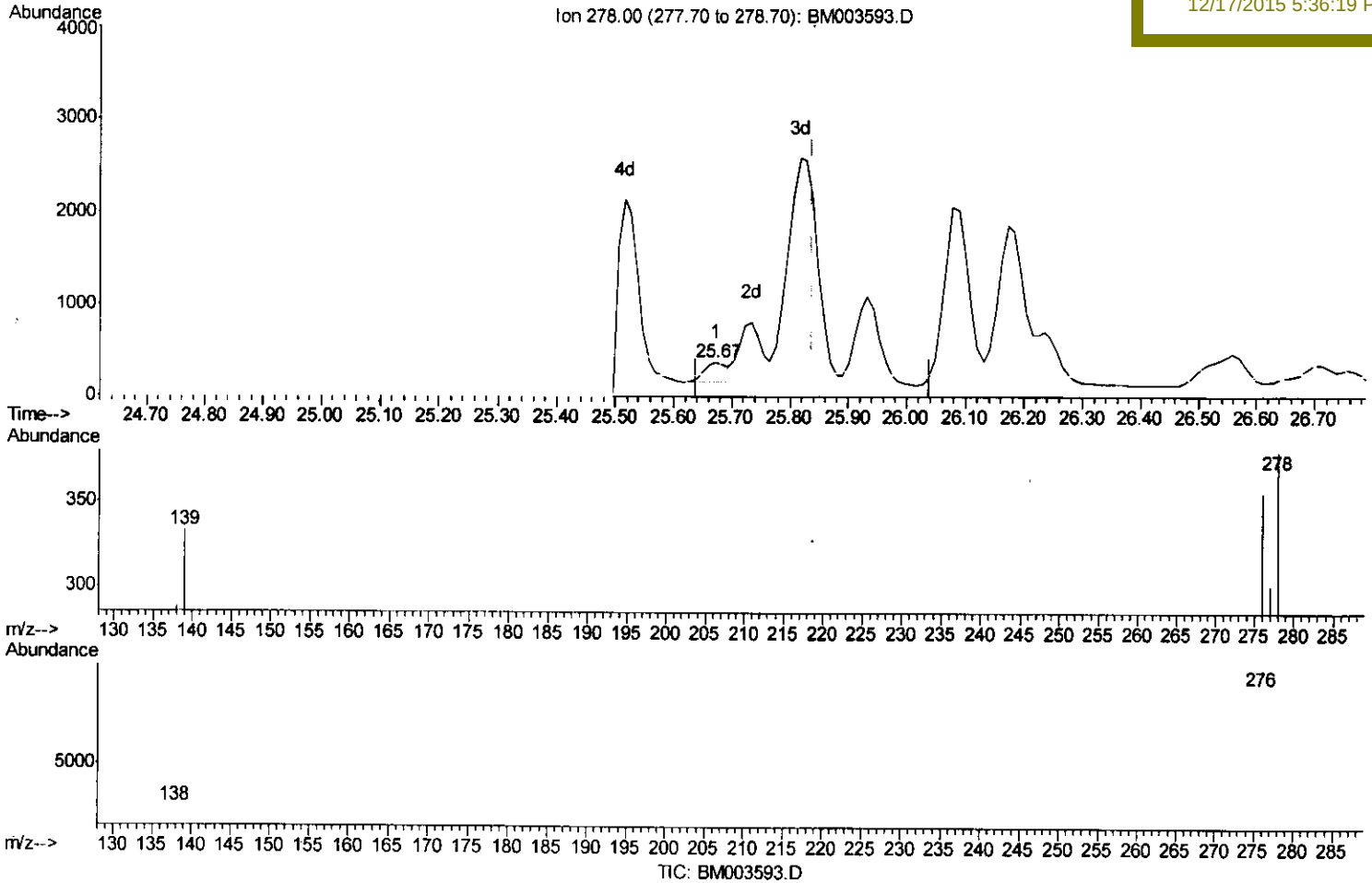
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121615\
 Data File : BM003593.D
 Acq On : 17 Dec 2015 00:31
 Operator : UM/IZ
 Sample : G4767-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N39

Quant Time: Dec 17 08:14:38 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 : Thu Dec 17 02:56:38 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMdadoda
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(27) Dibenzo(a,h)anthracene

25.672min (-0.167) 0.01ng/ui

response 564

Ion	Exp%	Act%
278.00	100	100
139.00	20.50	87.63#
279.00	25.20	75.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

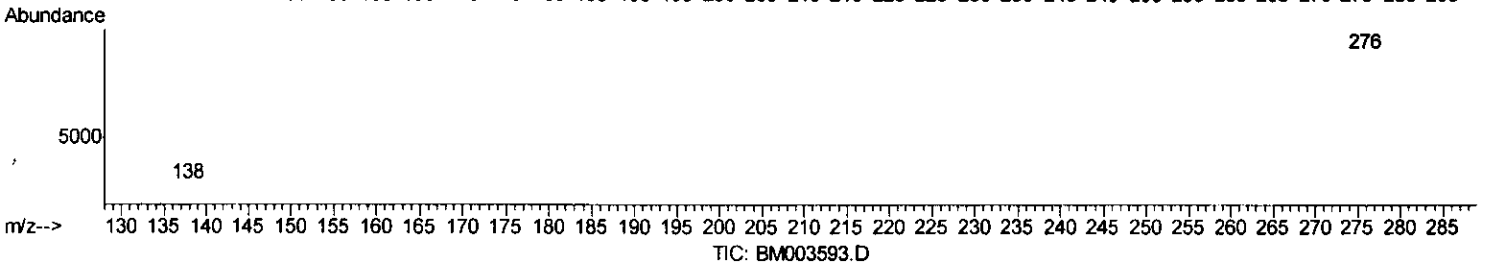
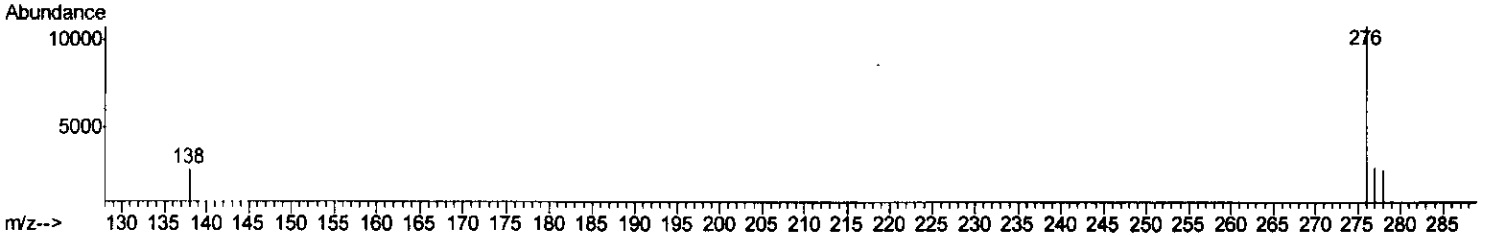
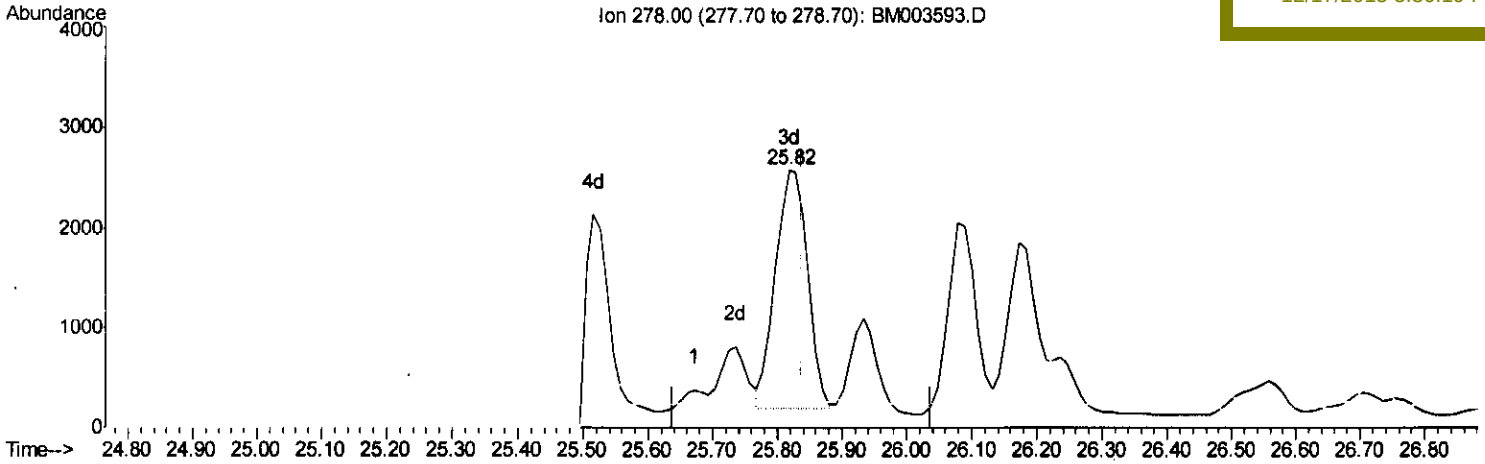
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121615\
 Data File : BM003593.D
 Acq On : 17 Dec 2015 00:31
 Operator : UM/IZ
 Sample : G4767-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 D9N39

Quant Time: Dec 17 08:14:38 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 : Thu Dec 17 02:56:38 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 5:36:19 PM



(27) Dibenzo(a,h)anthracene

25.818min (-0.021) 0.18ng/ul m

response 8261

U.M
 12/16/15

Ion	Exp%	Act%
278.00	100	100
139.00	20.50	28.58#
279.00	25.20	30.09
0.00	0.00	0.00

Quantitation Report (Qedit)

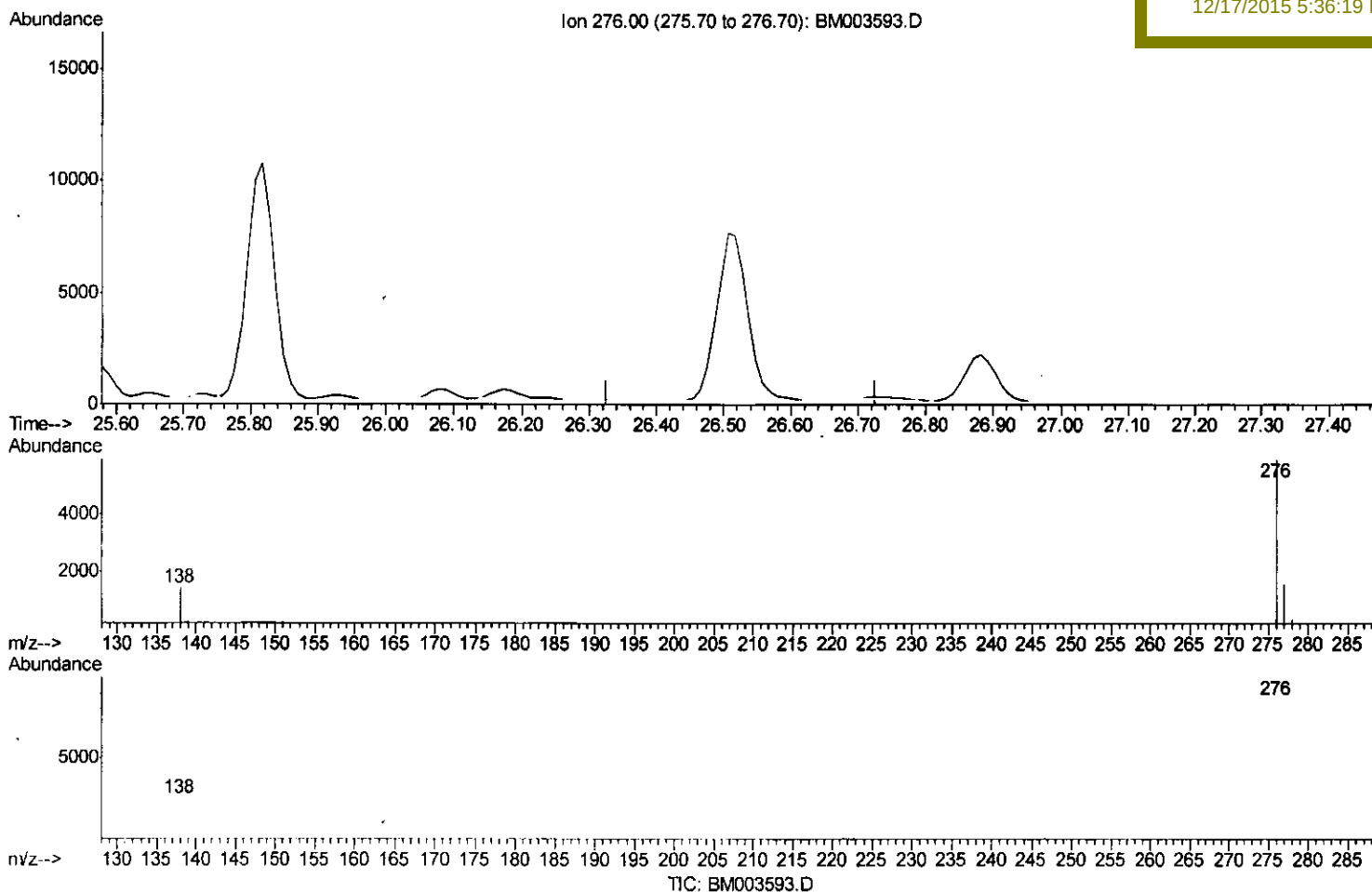
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121615\
Data File : BM003593.D
Acq On : 17 Dec 2015 00:31
Operator : UM/IZ
Sample : G4767-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 17 08:14:38 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 : Thu Dec 17 02:56:38 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9N39

Manual Integrations
APPROVED

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

26.526min (-26.526) 0.00ng/ul

response 0

Ion	Exp%	Act%
276.00	100	0.00
277.00	23.60	0.00#
138.00	28.10	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

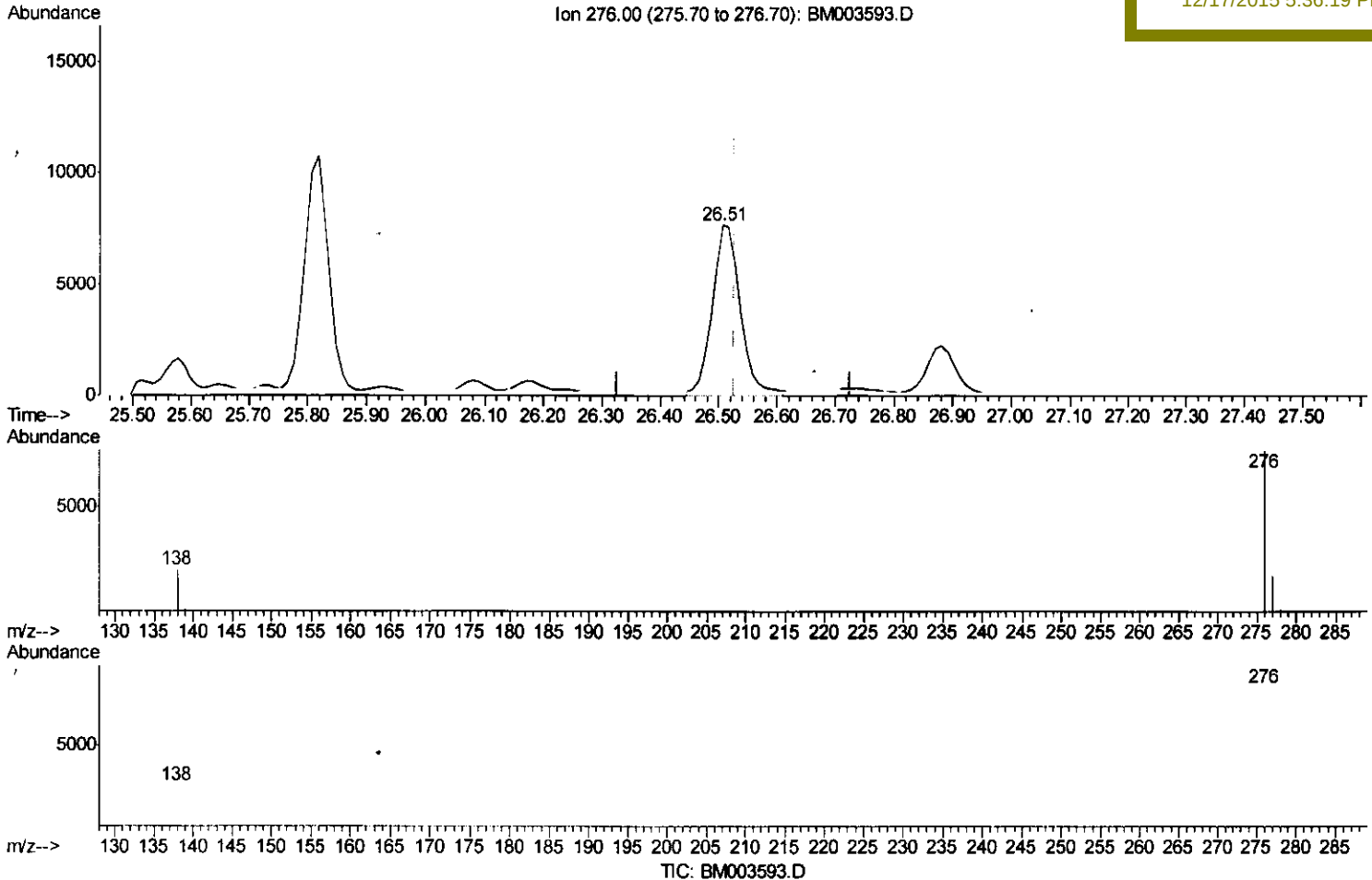
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121615\
 Data File : BM003593.D
 Acq On : 17 Dec 2015 . 00:31
 Operator : UM/IZ
 Sample : G4767-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N39

Quant Time: Dec 17 08:14:38 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 : Thu Dec 17 02:56:38 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 5:36:19 PM



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

26.506min (-0.021) 0.54ng/ul m U.M

response 26060

12/18/15

Ion	Exp%	Act%
276.00	100	100
277.00	23.60	23.81
138.00	28.10	27.30
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121615\
 Data File : BM003593.D
 Acq On : 17 Dec 2015 00:31
 Operator : UM/IZ
 Sample : G4767-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N39

Quant Time: Dec 17 08:16:32 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 : Thu Dec 17 02:56:38 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 5:36:19 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	3676	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	15788	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.37	164	10585	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.11	188	16456m	0.40	ng/ul	0.00
18) Chrysene-d12	21.30	240	14424	0.40	ng/ul	-0.01
22) Perylene-d12	23.56	264	16708m	0.40	ng/ul	-0.01
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	14143	9.00	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.09	152	4884	0.26	ng/ul	-0.01
16) Fluoranthene-d10	19.14	212	10126m	0.29	ng/ul	0.00
Target Compounds						
5) Naphthalene	10.55	128	1356619	38.14	ng/ul	98
7) 2-Methylnaphthalene	12.16	142	536233	22.46	ng/ul	99
9) Acenaphthylene	14.07	152	106172	2.63	ng/ul#	91
10) Acenaphthene	14.42	153	1118555	34.32	ng/ul	87
11) Fluorene	15.41	166	1083804	30.00	ng/ul	84
14) Phenanthrene	17.14	178	4088815m	96.33	ng/ul	
15) Anthracene	17.23	178	335509	9.14	ng/ul#	94
17) Fluoranthene	19.17	202	2342673	50.82	ng/ul	95
19) Pyrene	19.54	202	1658829	42.60	ng/ul	93
20) Benzo(a)anthracene	21.28	228	371269	10.54	ng/ul#	92
21) Chrysene	21.34	228	266853m	6.61	ng/ul	
23) Benzo(b)fluoranthene	22.88	252	166956m	2.93	ng/ul	
24) Benzo(k)fluoranthene	22.90	252	64455m	1.25	ng/ul	
25) Benzo(a)pyrene	23.45	252	102715m	2.14	ng/ul	
26) Indeno(1,2,3-cd)pyrene	25.82	276	31695m	0.57	ng/ul	
27) Dibenzo(a,h)anthracene	25.82	278	8261m	0.18	ng/ul	
28) Benzo(g,h,i)perylene	26.51	276	26060m	0.54	ng/ul	

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