

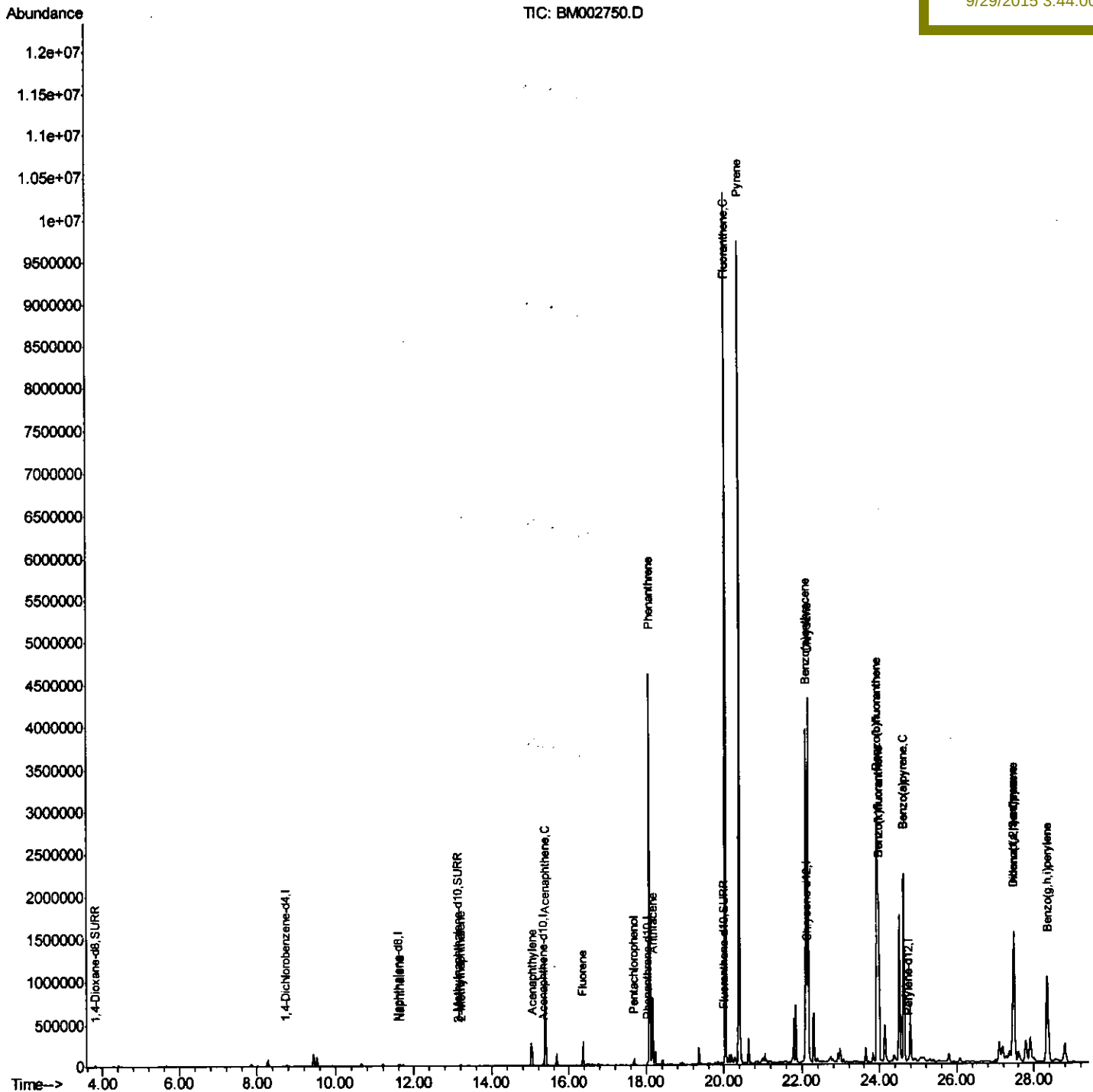
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
Data File : BM002750.D
Acq On : 29 Sep 2015 01:10
Operator : UM/IZ
Sample : G3798-26MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 29 05:04:09 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 29 02:52:19 2015
Response via : Initial Calibration

Instrument :
BNA_M
Client Sample Id :
D9G67MSD

Manual Integrations
APPROVED

MMDadoda
9/29/2015 3:44:00 PM



Quantitation Report (Qedit)

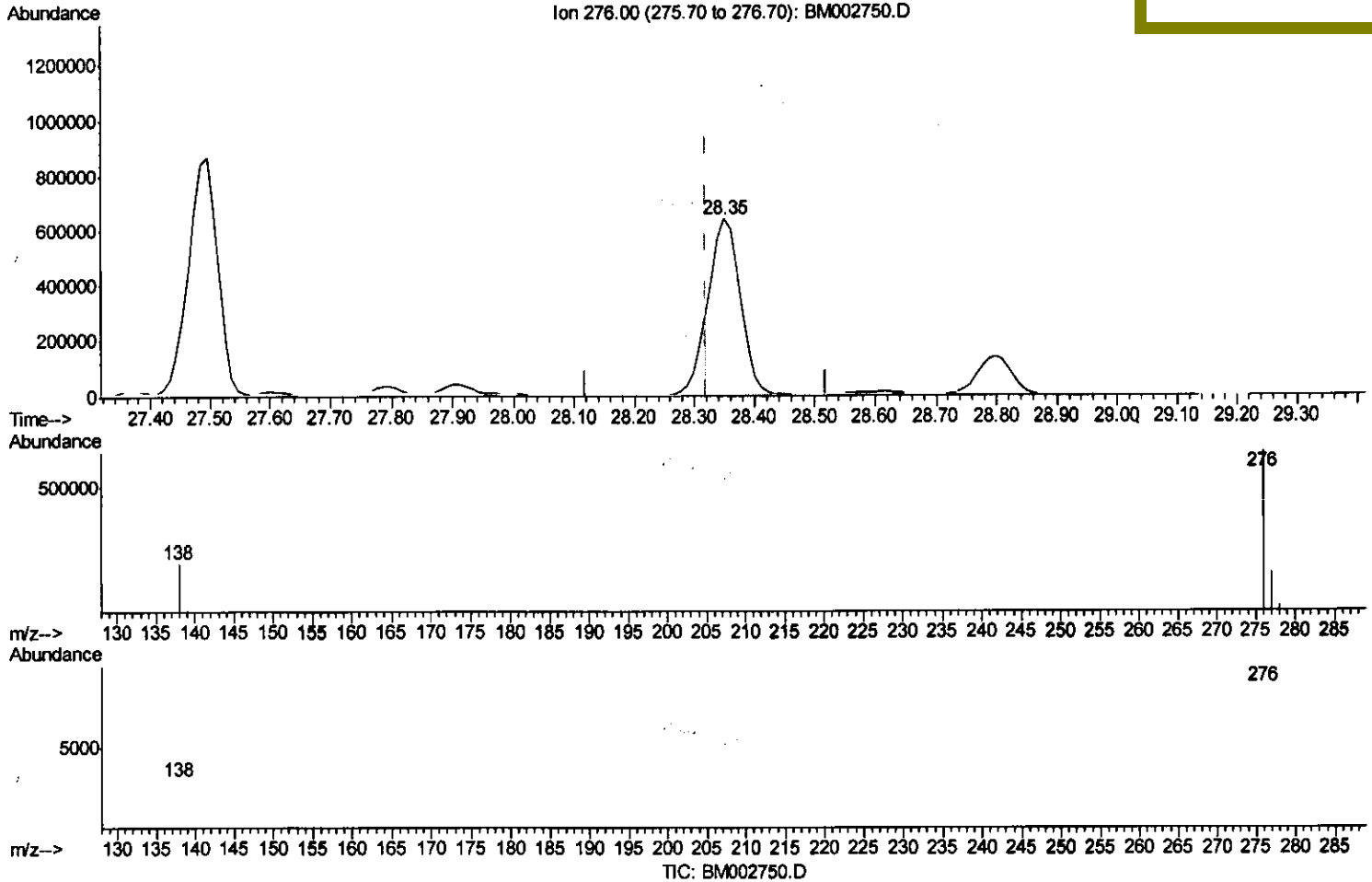
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002750.D
 Acq On : 29 Sep 2015 01:10
 Operator : UM/IZ
 Sample : G3798-26MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MSD

Quant Time: Sep 29 05:01:18 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 9/29/2015 3:44:00 PM



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

28.349min (+0.030) 13.18ng/ul

response 2028831

Ion	Exp%	Act%
276.00	100	100
277.00	26.60	24.45
138.00	31.90	31.08
0.00	0.00	0.00

Quantitation Report (Qedit)

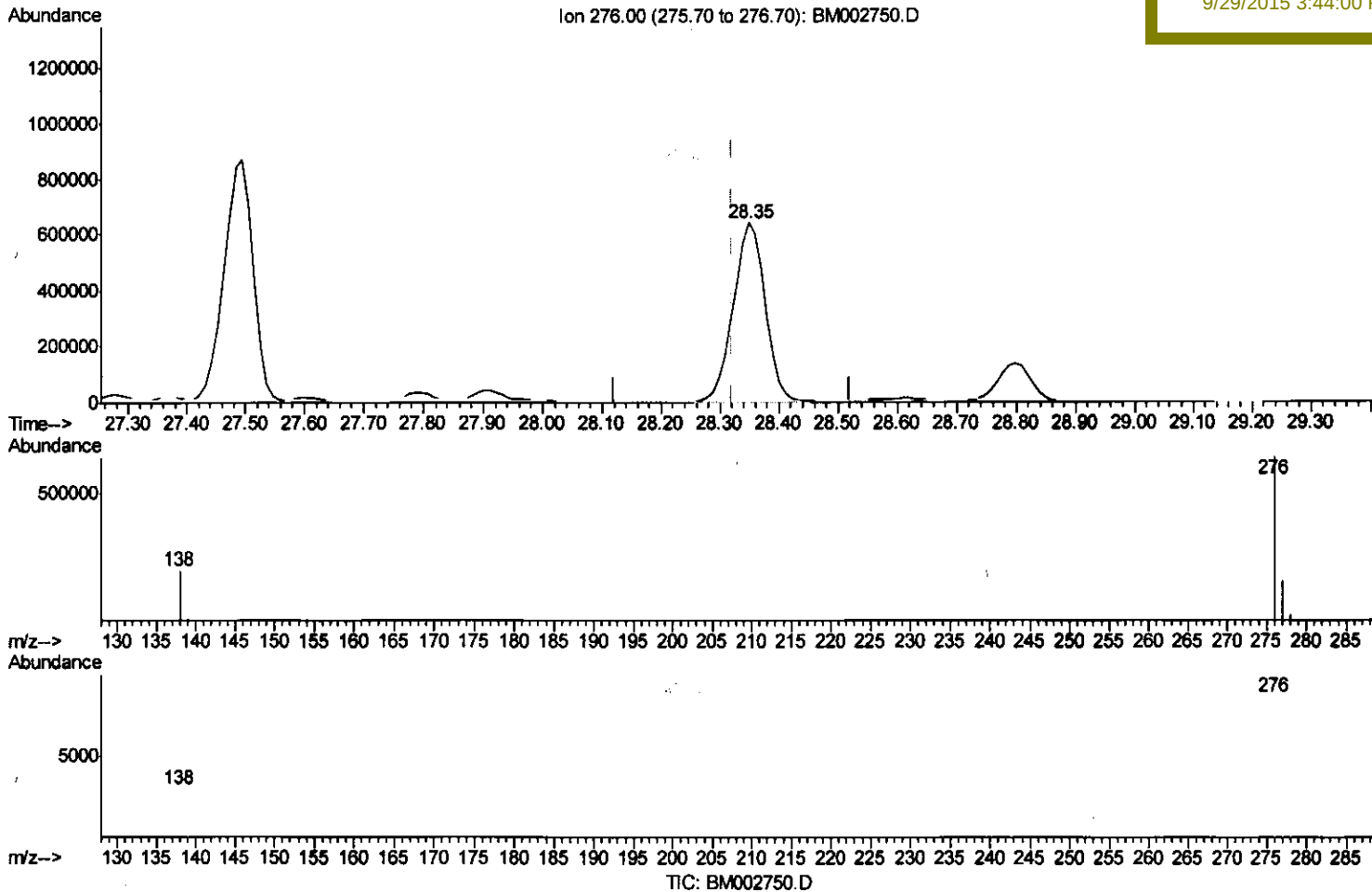
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002750.D
 Acq On : 29 Sep 2015 01:10
 Operator : UM/IZ
 Sample : G3798-26MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MSD

Manual Integrations
 APPROVED

MMDadoda
 9/29/2015 3:44:00 PM

Quant Time: Sep 29 05:01:18 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration



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

28.349min (+0.030) 15.90ng/ul m

response 2447859

Ion	Exp%	Act%
276.00	100	100
277.00	26.60	24.45
138.00	31.90	31.08
0.00	0.00	0.00

> U.M
 09/30/15

Quantitation Report (Qedit)

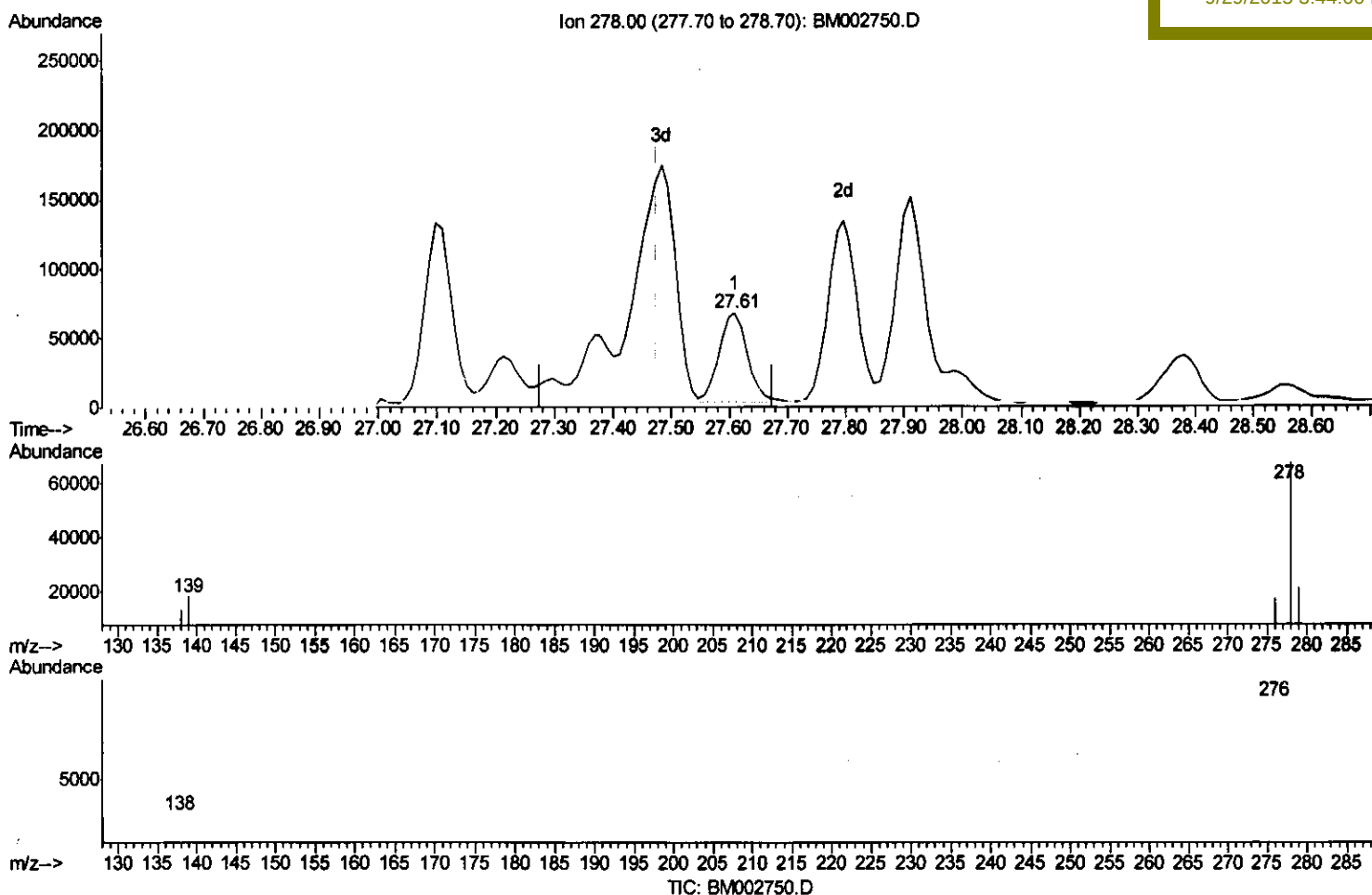
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002750.D
 Acq On : 29 Sep 2015 01:10
 Operator : UM/IZ
 Sample : G3798-26MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MSD

Quant Time: Sep 29 05:01:18 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 9/29/2015 3:44:00 PM



(27) Dibenzo(a,h)anthracene

27.609min (+0.134) 1.45ng/ul

response 215477

Ion	Exp%	Act%
278.00	100	100
139.00	27.10	27.39
279.00	27.40	31.43
0.00	0.00	0.00

Quantitation Report (Qedit)

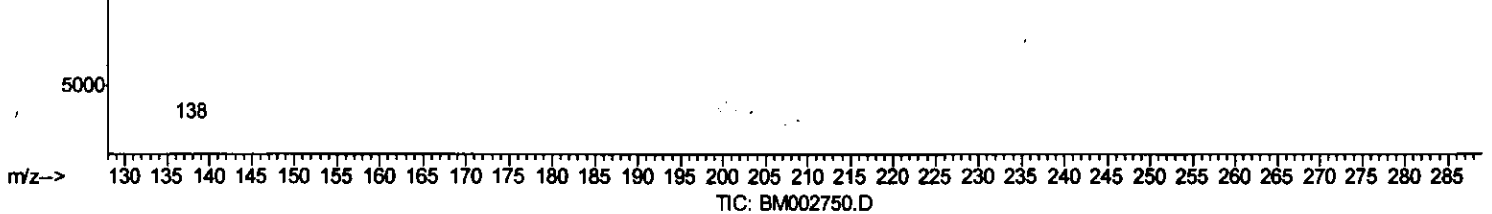
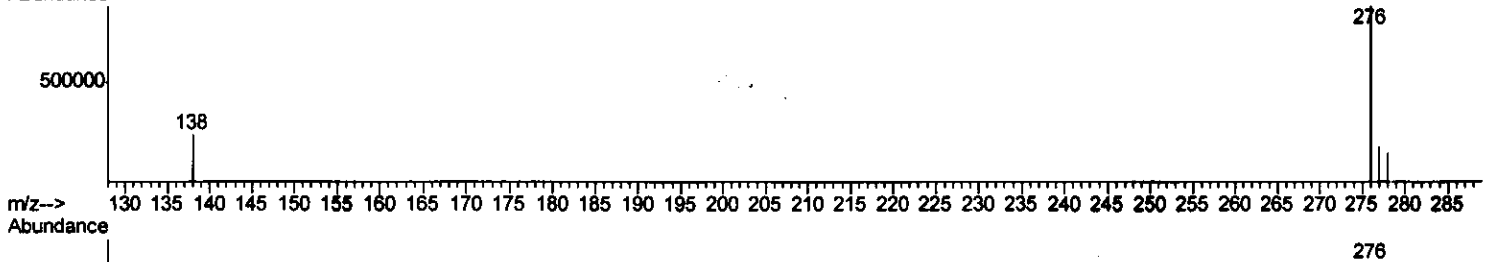
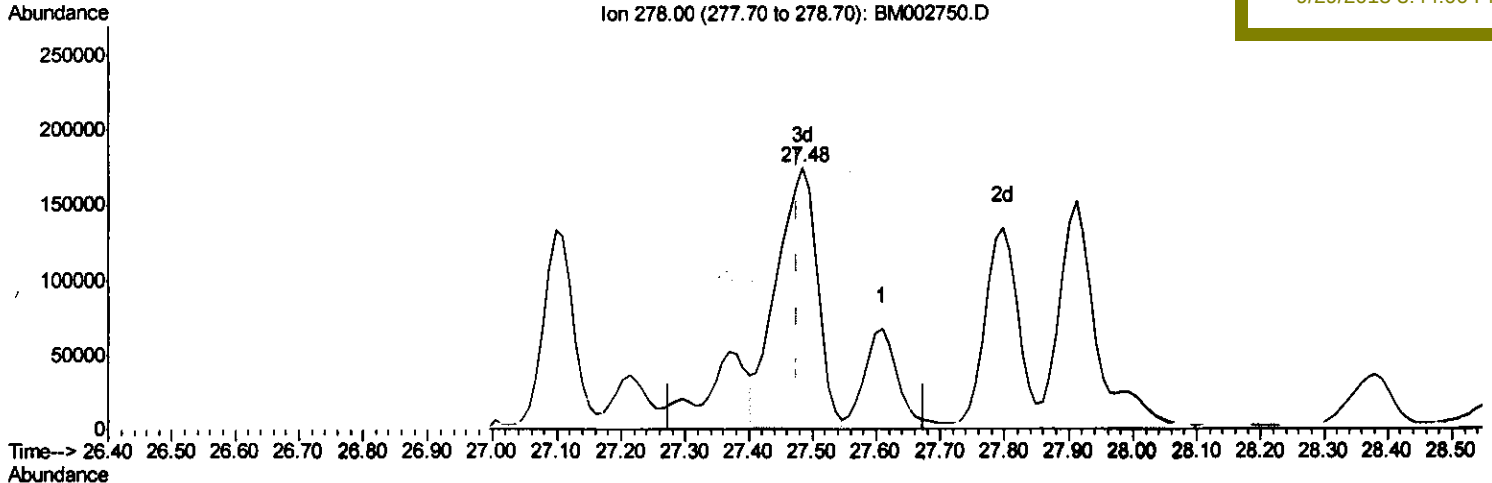
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002750.D
 Acq On : 29 Sep 2015 01:10
 Operator : UM/IZ
 Sample : G3798-26MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MSD

Quant Time: Sep 29 05:01:18 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 9/29/2015 3:44:00 PM



(27) Dibenzo(a,h)anthracene

27.484min (+0.009) 5.18ng/ul m

response 771826

Ion	Exp%	Act%
278.00	100	100
139.00	27.10	25.13
279.00	27.40	25.83
0.00	0.00	0.00

> U.M
 09/30/15

Quantitation Report (Qedit)

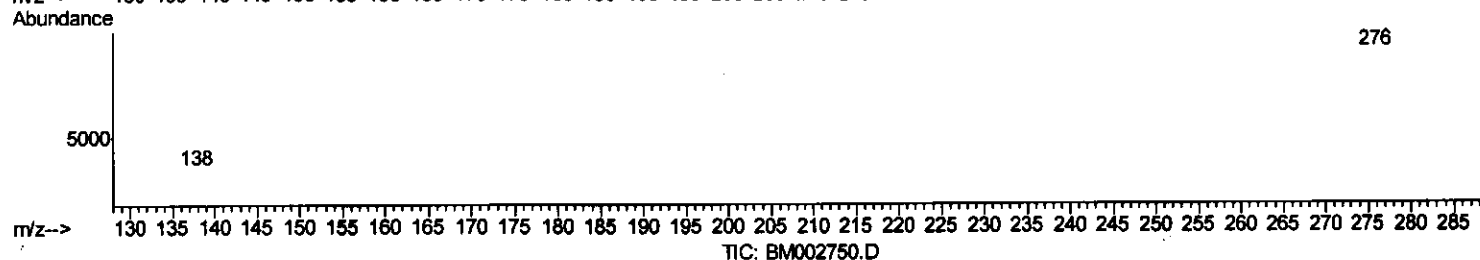
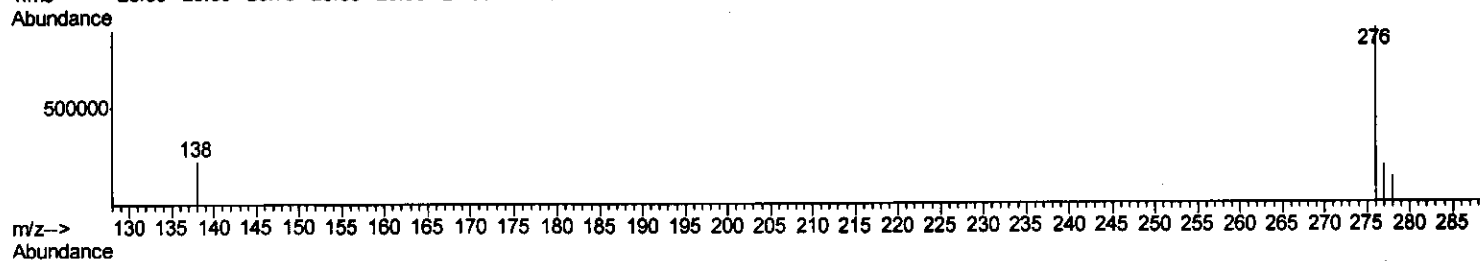
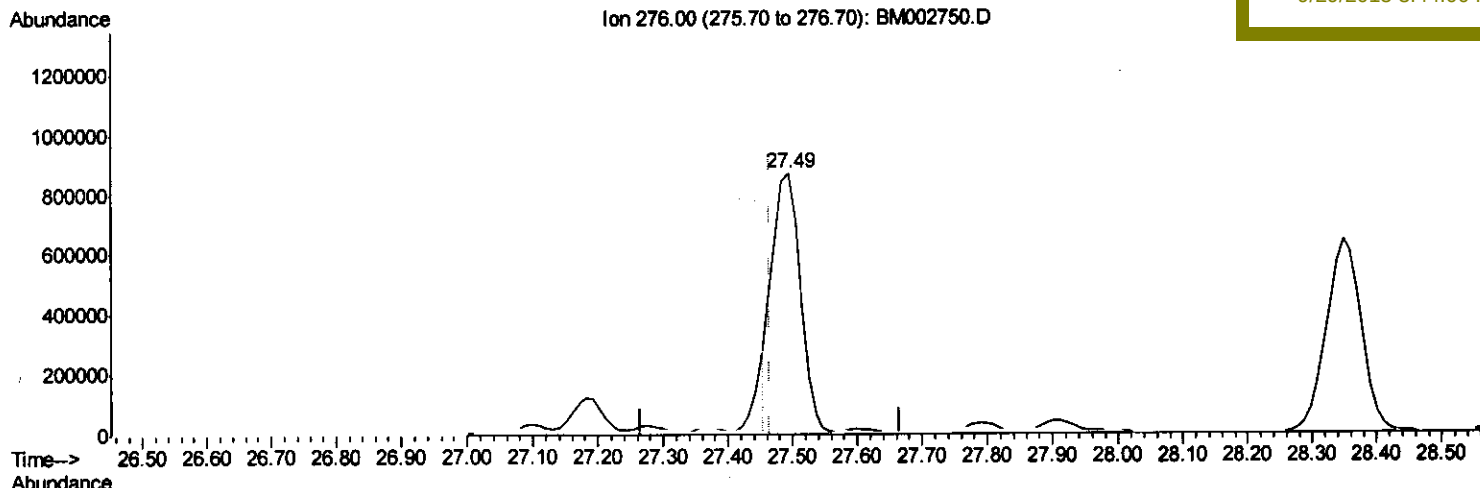
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002750.D
 Acq On : 29 Sep 2015 01:10
 Operator : UM/IZ
 Sample : G3798-26MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MSD

Quant Time: Sep 29 05:01:18 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 9/29/2015 3:44:00 PM



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

27.494min (+0.030) 14.38ng/ul

response 2609700

Ion	Exp%	Act%
276.00	100	100
138.00	34.40	28.14
277.00	24.10	24.59
0.00	0.00	0.00

Quantitation Report (Qedit)

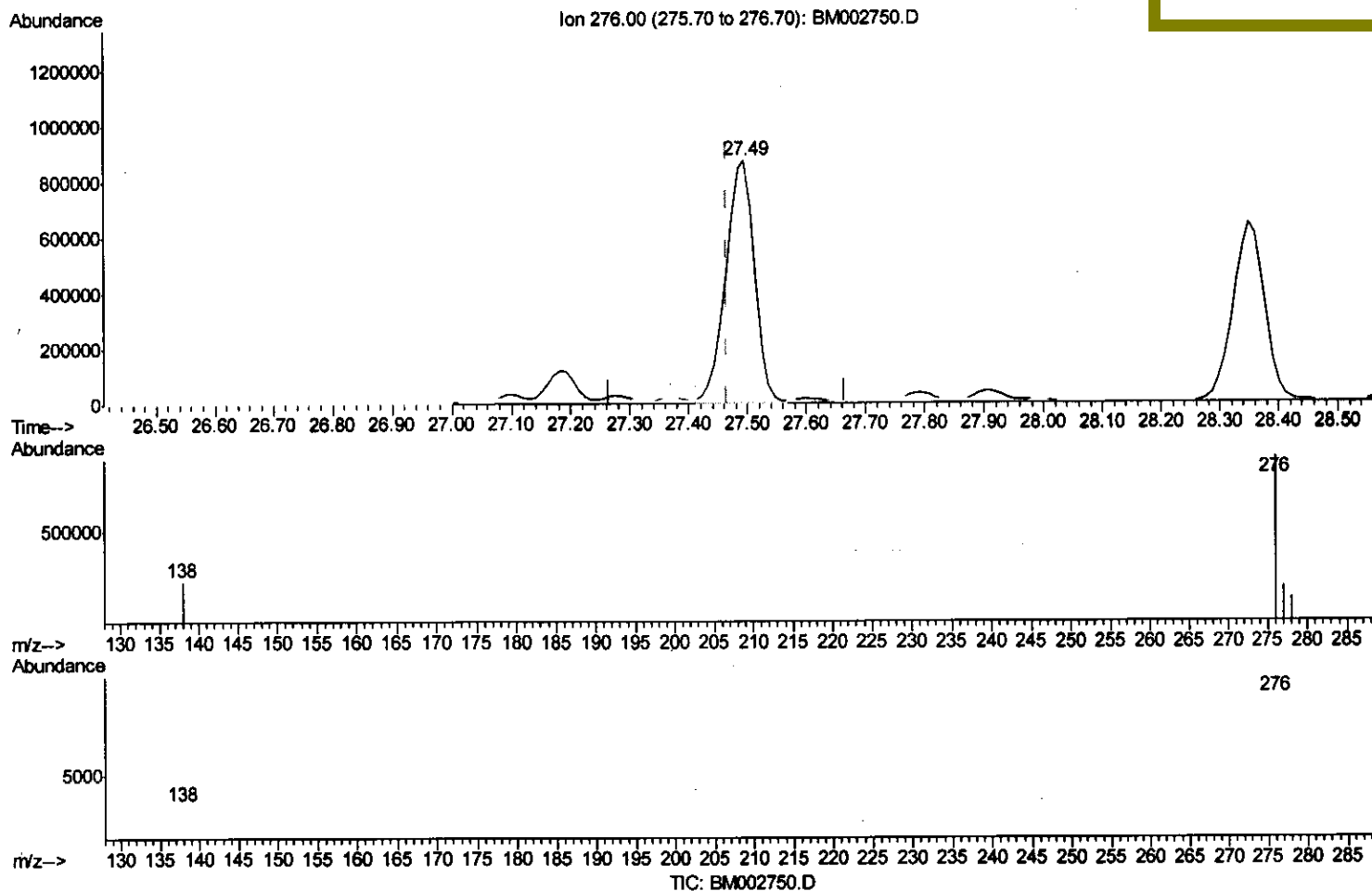
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002750.D
 Acq On : 29 Sep 2015 01:10
 Operator : UM/IZ
 Sample : G3798-26MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MSD

Quant Time: Sep 29 05:01:18 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 9/29/2015 3:44:00 PM



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

27.494min (+0.030) 16.48ng/ul m

response 2991322

Ion	Exp%	Act%
276.00	100	100
138.00	34.40	24.55#
277.00	24.10	21.45
0.00	0.00	0.00

10.M
 09/30/15

Quantitation Report (Qedit)

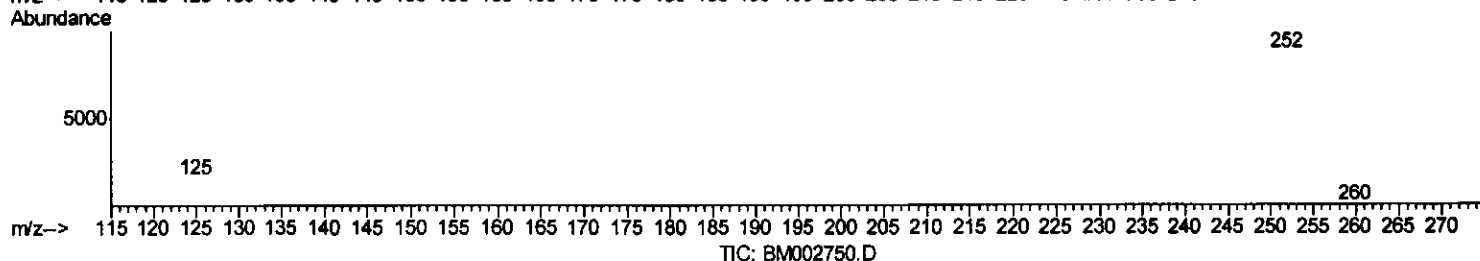
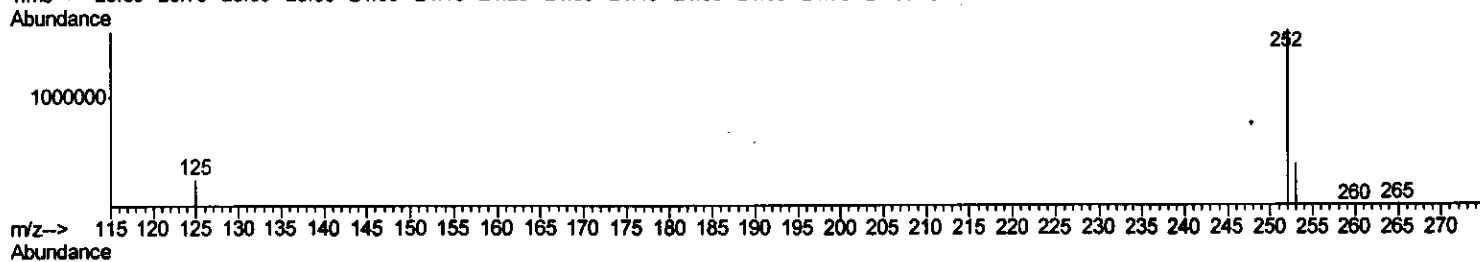
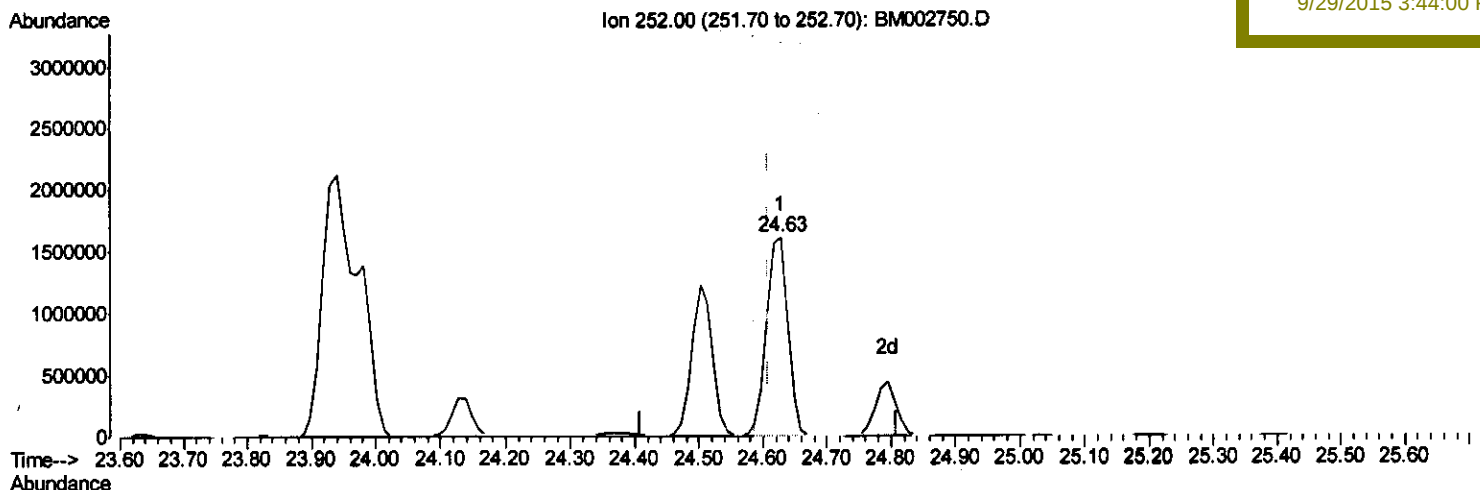
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002750.D
 Acq On : 29 Sep 2015 01:10
 Operator : UM/IZ
 Sample : G3798-26MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
Client Sample Id :
 D9G67MSD

Manual Integrations
APPROVED

MMDadoda
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Quant Time: Sep 29 05:01:18 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration



(25) Benzo(a)pyrene (C)

24.627min (+0.019) 22.39ng/ul

response 3643459

Ion	Exp%	Act%
252.00	100	100
253.00	27.30	23.47
125.00	18.10	15.50
0.00	0.00	0.00

Quantitation Report (Qedit)

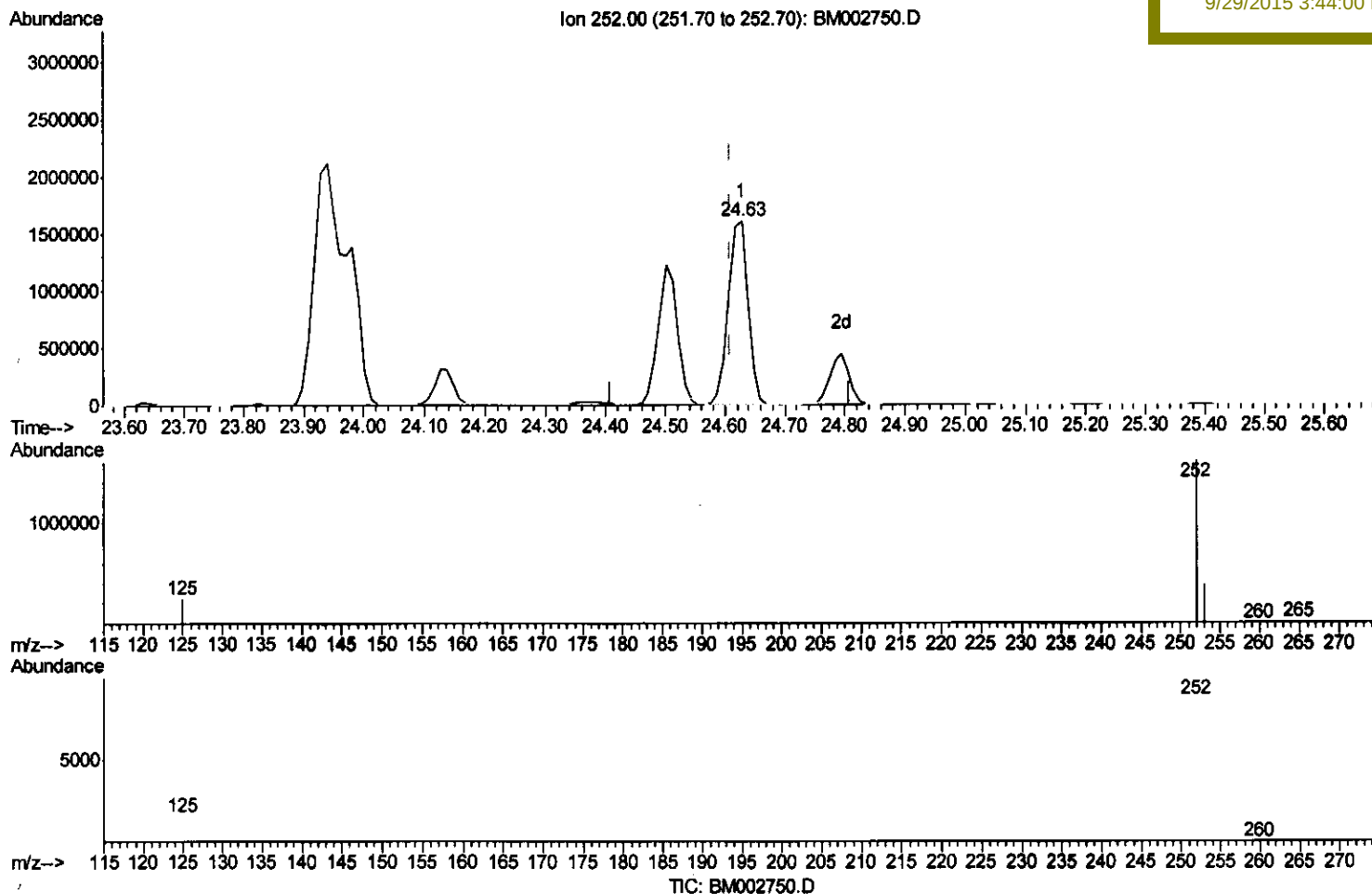
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002750.D
 Acq On : 29 Sep 2015 01:10
 Operator : UM/IZ
 Sample : G3798-26MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MSD

Manual Integrations
 APPROVED

MMDadoda
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Quant Time: Sep 29 05:01:18 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration



(25) Benzo(a)pyrene (C)

24.627min (+0.019) 23.03ng/ul m

response 3747379

Ion	Exp%	Act%
252.00	100	100
253.00	27.30	23.47
125.00	18.10	15.50
0.00	0.00	0.00

> U.M
 09/30/15

Quantitation Report (Qedit)

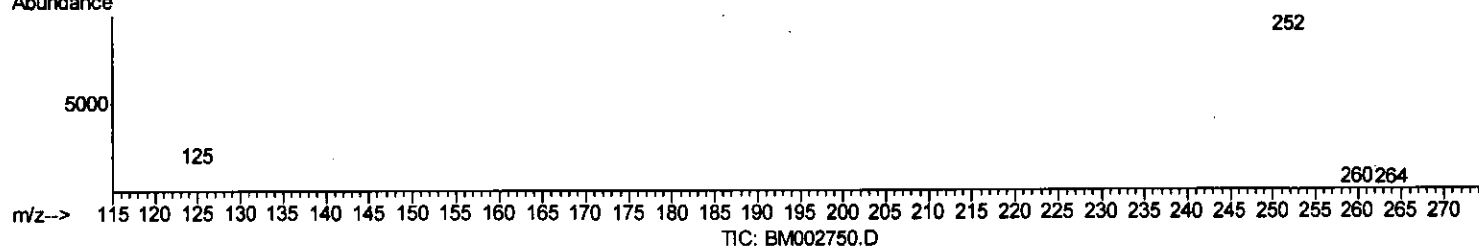
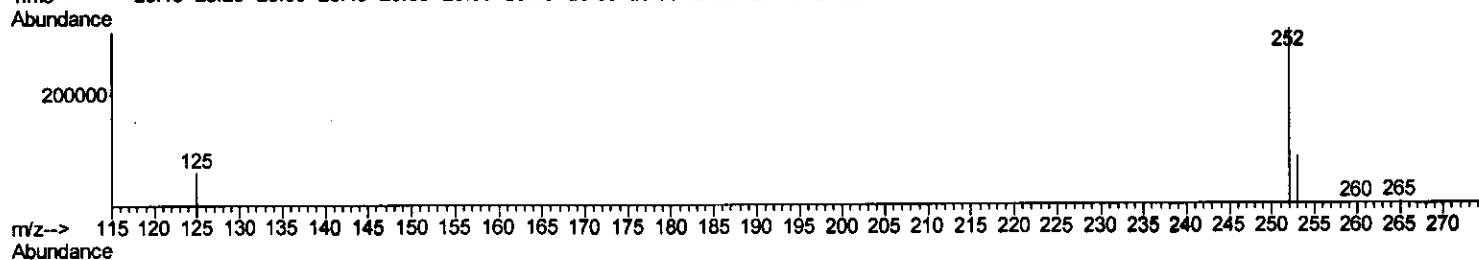
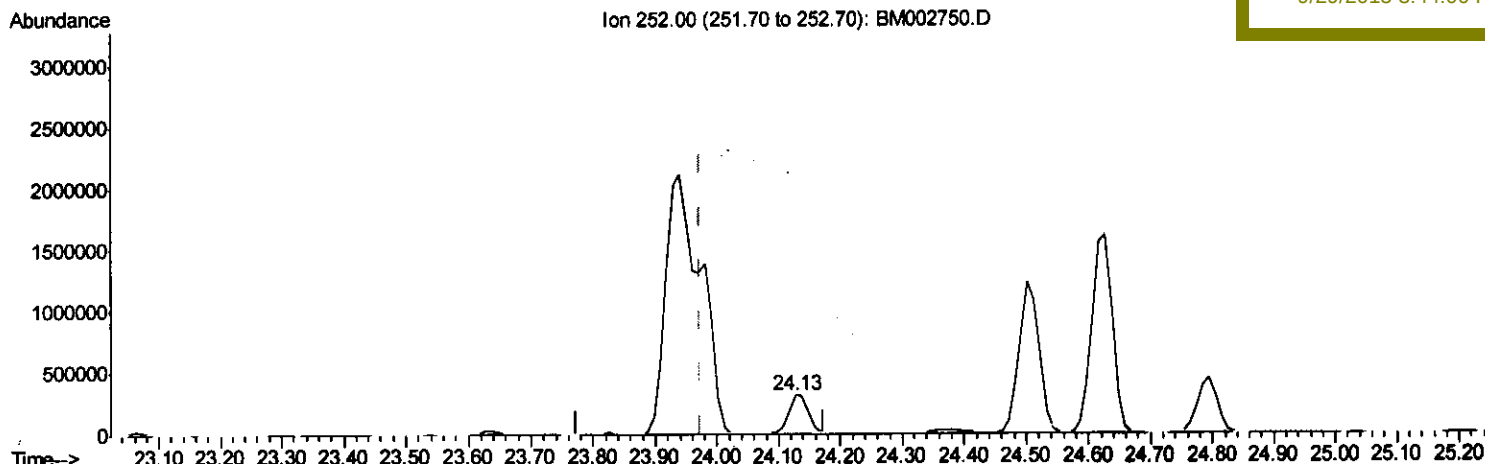
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002750.D
 Acq On : 29 Sep 2015 01:10
 Operator : UM/IZ
 Sample : G3798-26MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MSD

Manual Integrations
 APPROVED

MMDadoda
 9/29/2015 3:44:00 PM

Quant Time: Sep 29 05:01:18 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration



(24) Benzo(k)fluoranthene

24.127min (+0.155) 4.17ng/ui

response 683052

Ion	Exp%	Act%
252.00	100	100
253.00	26.00	27.90
125.00	15.30	19.49#
0.00	0.00	0.00

Quantitation Report (Qedit)

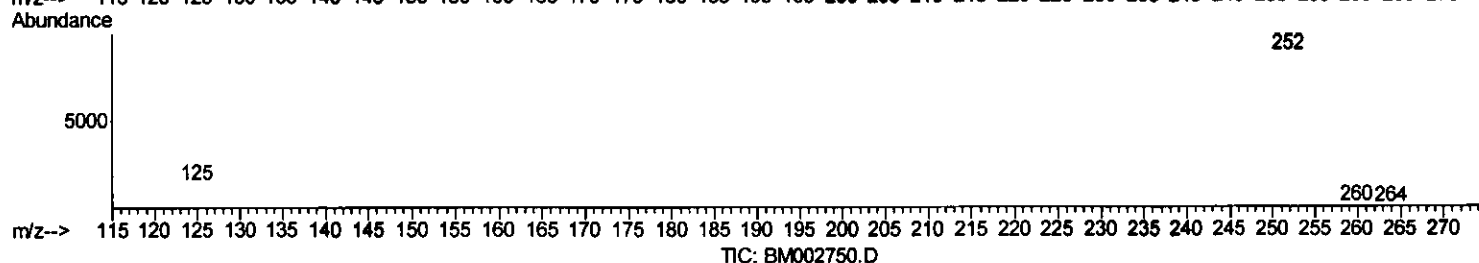
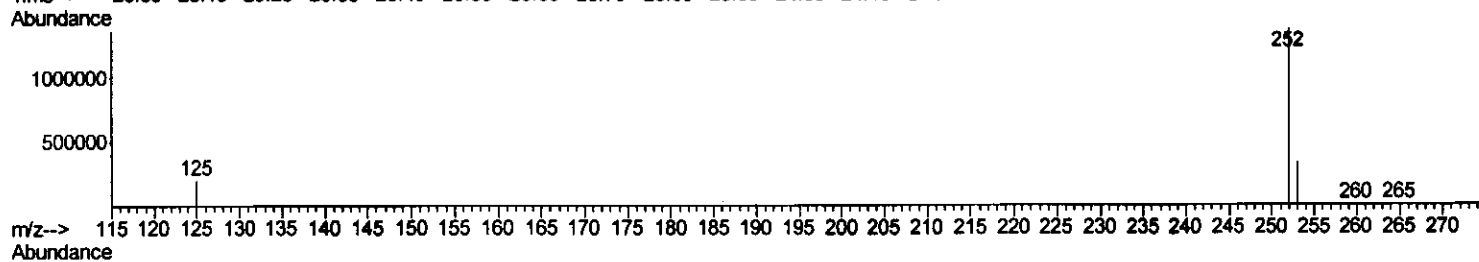
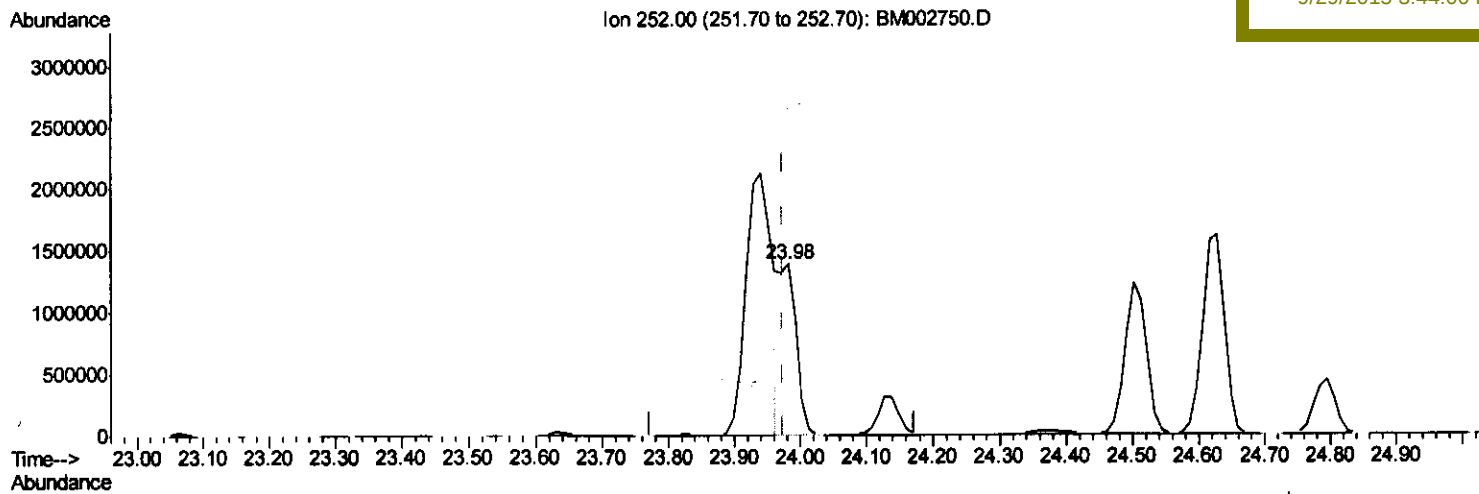
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
Data File : BM002750.D
Acq On : 29 Sep 2015 01:10
Operator : UM/IZ
Sample : G3798-26MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9G67MSD

Manual Integrations
APPROVED

MMDadoda
9/29/2015 3:44:00 PM

Quant Time: Sep 29 05:01:18 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 29 02:52:19 2015
Response via : Initial Calibration



(24) Benzo(k)fluoranthene

23.981min (+0.009) 15.24ng/ul m

response 2495503

Ion	Exp%	Act%
252.00	100	100
253.00	26.00	23.83
125.00	15.30	14.55
0.00	0.00	0.00

2 U.M
09/30/15

Quantitation Report (Qedit)

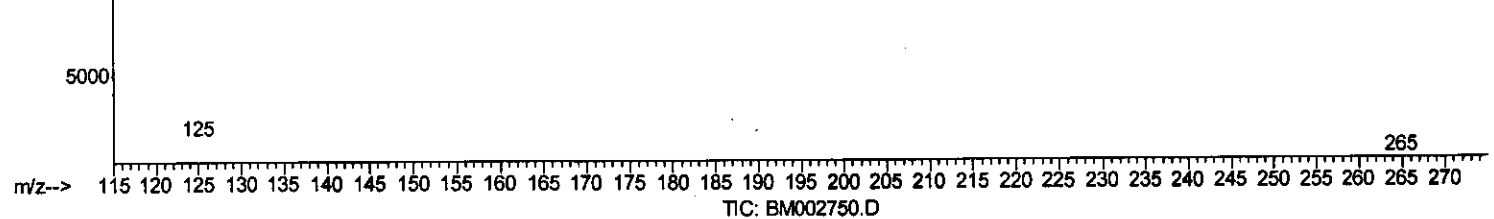
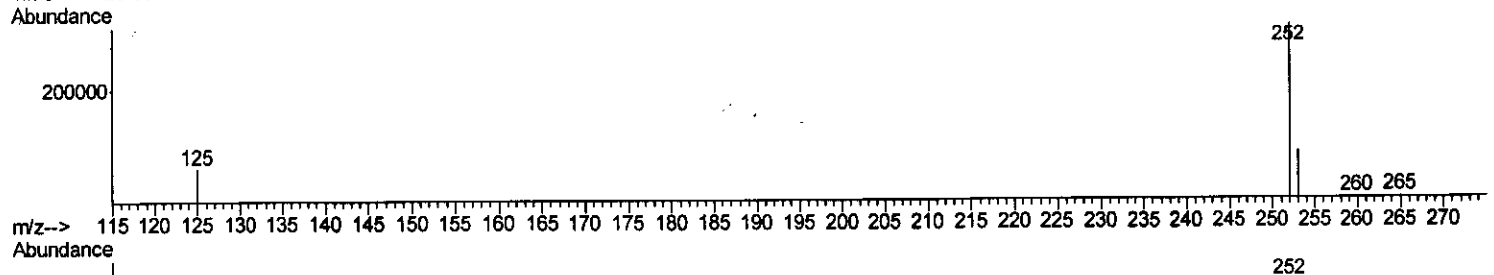
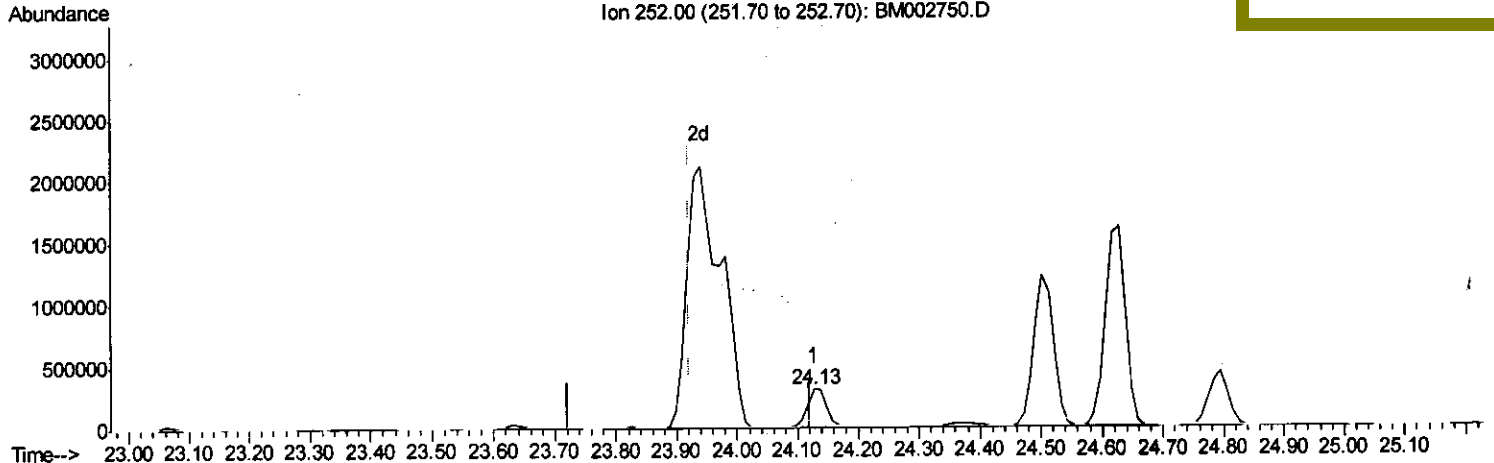
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002750.D
 Acq On : 29 Sep 2015 01:10
 Operator : UM/IZ
 Sample : G3798-26MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MSD

Quant Time: Sep 29 05:01:18 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 9/29/2015 3:44:00 PM



(23) Benzo(b)fluoranthene

24.127min (+0.207) 3.86ng/ul

response 682352

Ion	Exp%	Act%
252.00	100	100
253.00	24.00	27.90
125.00	18.30	19.49
0.00	0.00	0.00

Quantitation Report (Qedit)

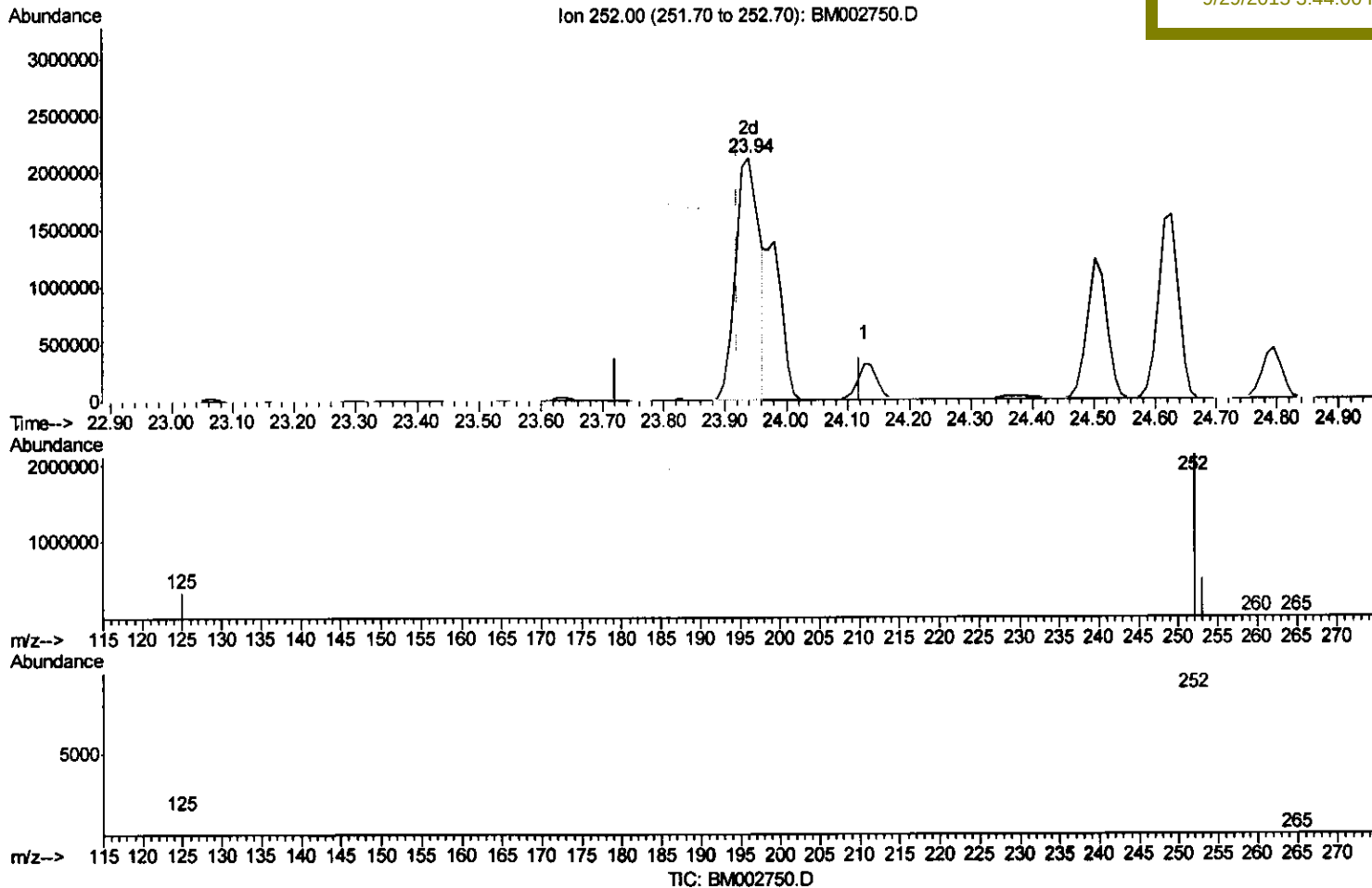
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002750.D
 Acq On : 29 Sep 2015 01:10
 Operator : UM/IZ
 Sample : G3798-26MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MSD

Quant Time: Sep 29 05:01:18 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 9/29/2015 3:44:00 PM



(23) Benzo(b)fluoranthene

23.939min (+0.019) 32.65ng/ul m

response 5771076

Ion	Exp%	Act%
252.00	100	100
253.00	24.00	23.37
125.00	18.30	15.88
0.00	0.00	0.00

> U.M
 09/30/15

Quantitation Report (Qedit)

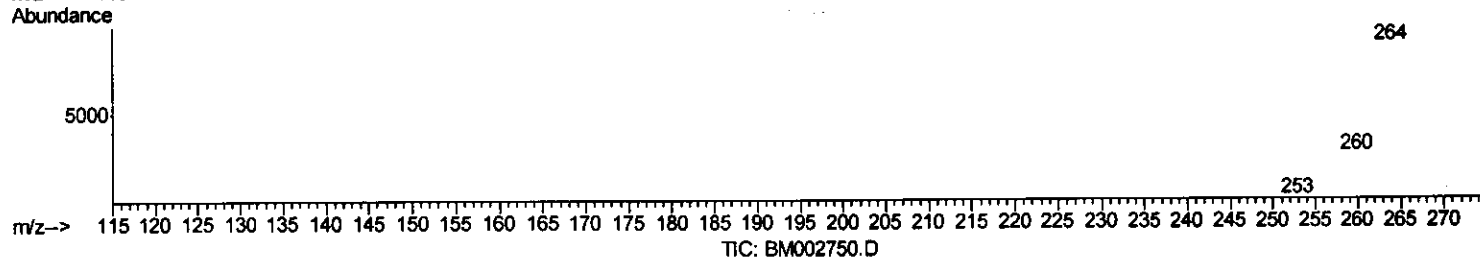
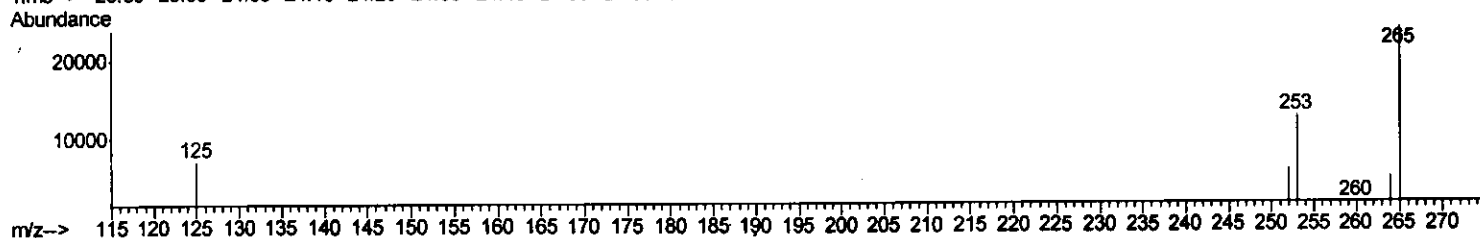
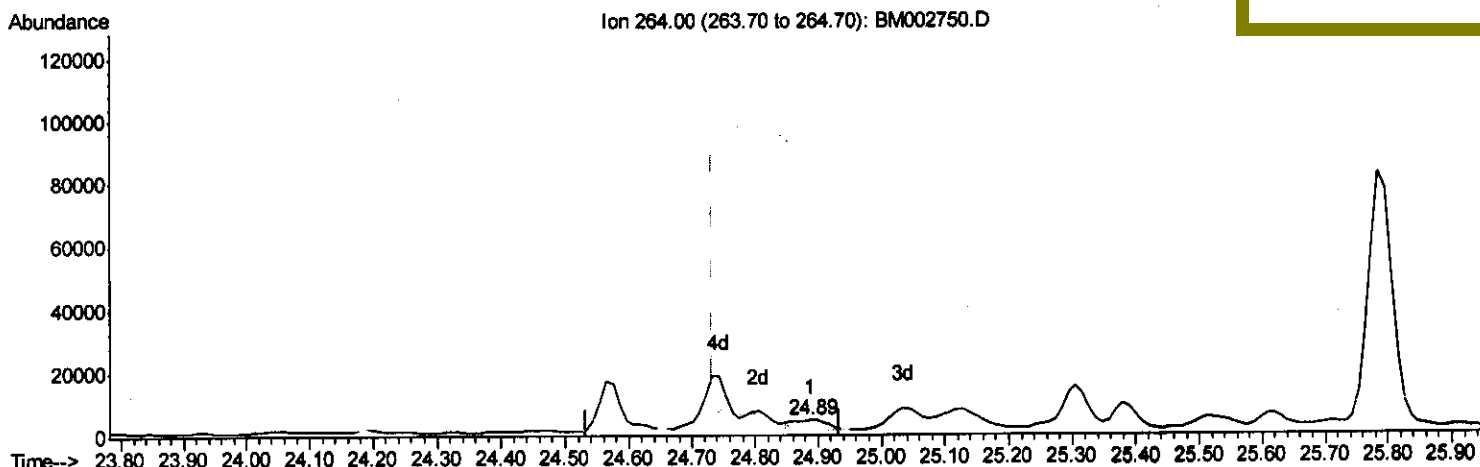
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002750.D
 Acq On : 29 Sep 2015 01:10
 Operator : UM/IZ
 Sample : G3798-26MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MSD

Quant Time: Sep 29 04:58:13 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 9/29/2015 3:44:00 PM



(22) Perylene-d12 (I)

24.888min (+0.155) 0.40ng/ul

response 12238

Ion	Exp%	Act%
264.00	100	100
260.00	28.90	36.64#
265.00	34.70	482.57#
0.00	0.00	0.00

Quantitation Report (Qedit)

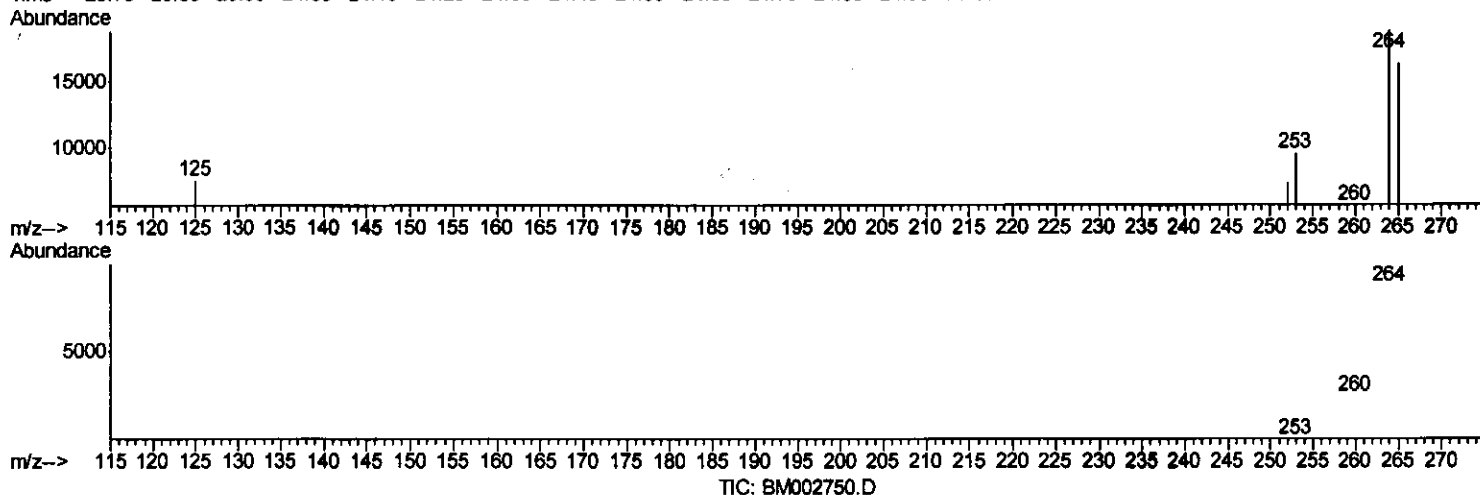
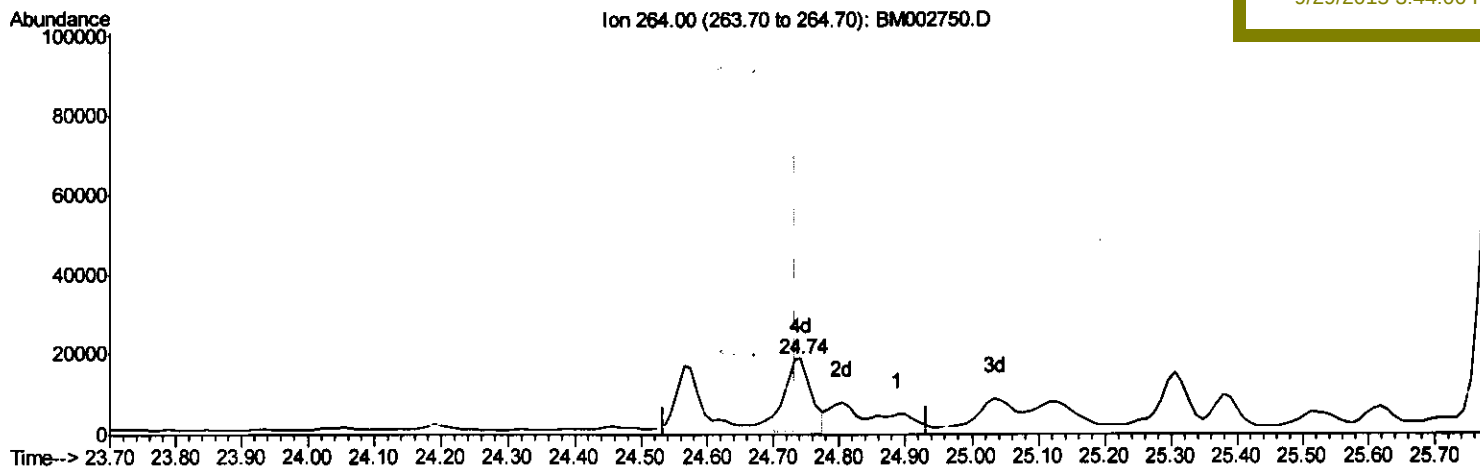
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002750.D
 Acq On : 29 Sep 2015 01:10
 Operator : UM/IZ
 Sample : G3798-26MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MSD

Manual Integrations
 APPROVED

MMDadoda
 9/29/2015 3:44:00 PM

Quant Time: Sep 29 04:58:13 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration



(22) Perylene-d12 (I)

24.742min (+0.009) 0.40ng/ul m

response 49029

Ion	Exp%	Act%
264.00	100	100
260.00	28.90	29.46
265.00	34.70	86.46#
0.00	0.00	0.00

> U.M
 09/30/15

Quantitation Report (Qedit)

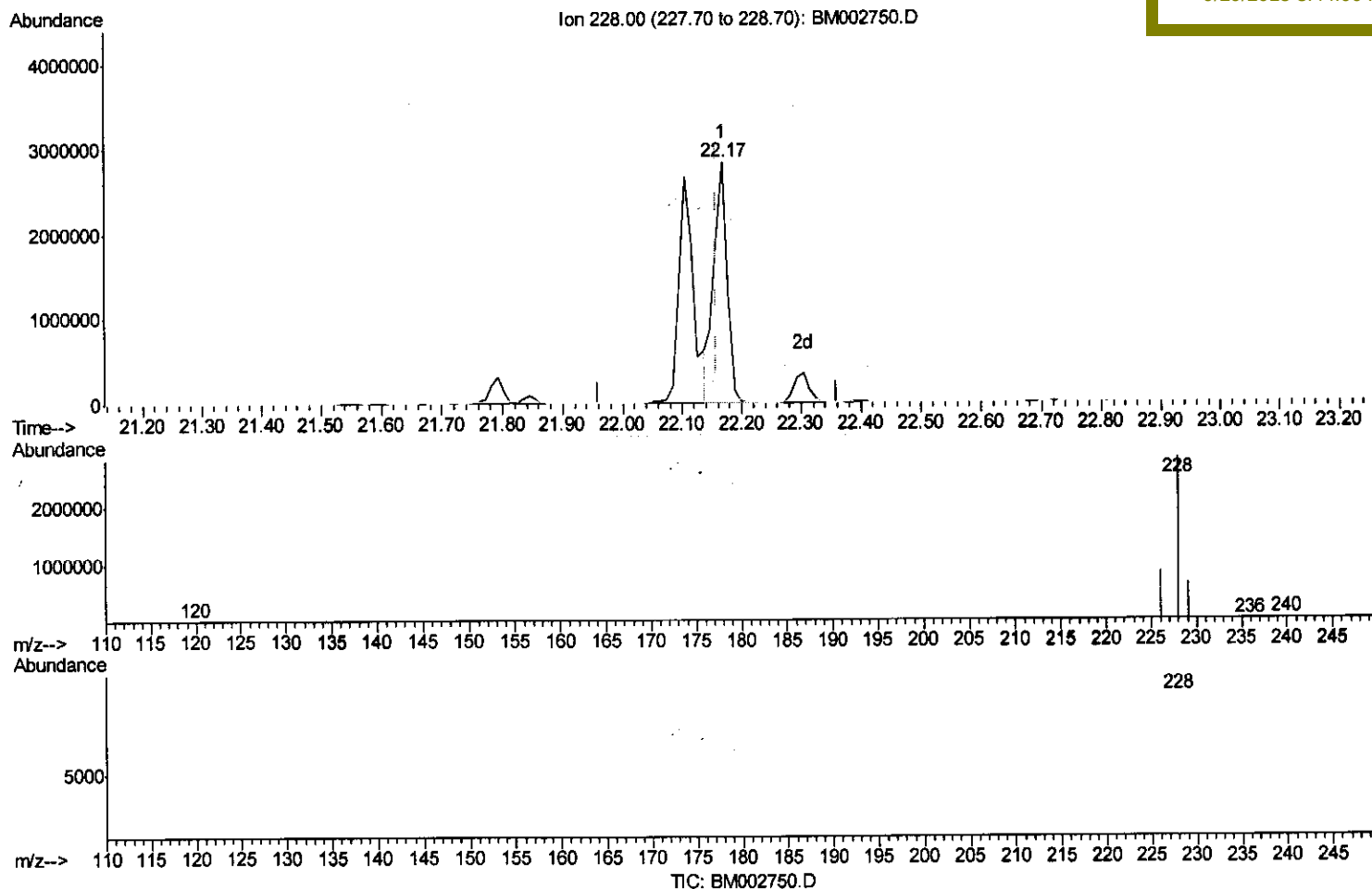
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
Data File : BM002750.D
Acq On : 29 Sep 2015 01:10
Operator : UM/IZ
Sample : G3798-26MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9G67MSD

Quant Time: Sep 29 04:58:13 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 29 02:52:19 2015
Response via : Initial Calibration

Manual Integrations
APPROVED

MMDadoda
9/29/2015 3:44:00 PM



(21) Chrysene

22.167min (+0.009) 34.49ng/ul

response 4372428

Ion	Exp%	Act%
228.00	100	100
226.00	32.10	29.73
229.00	19.00	22.75
0.00	0.00	0.00

Quantitation Report (Qedit)

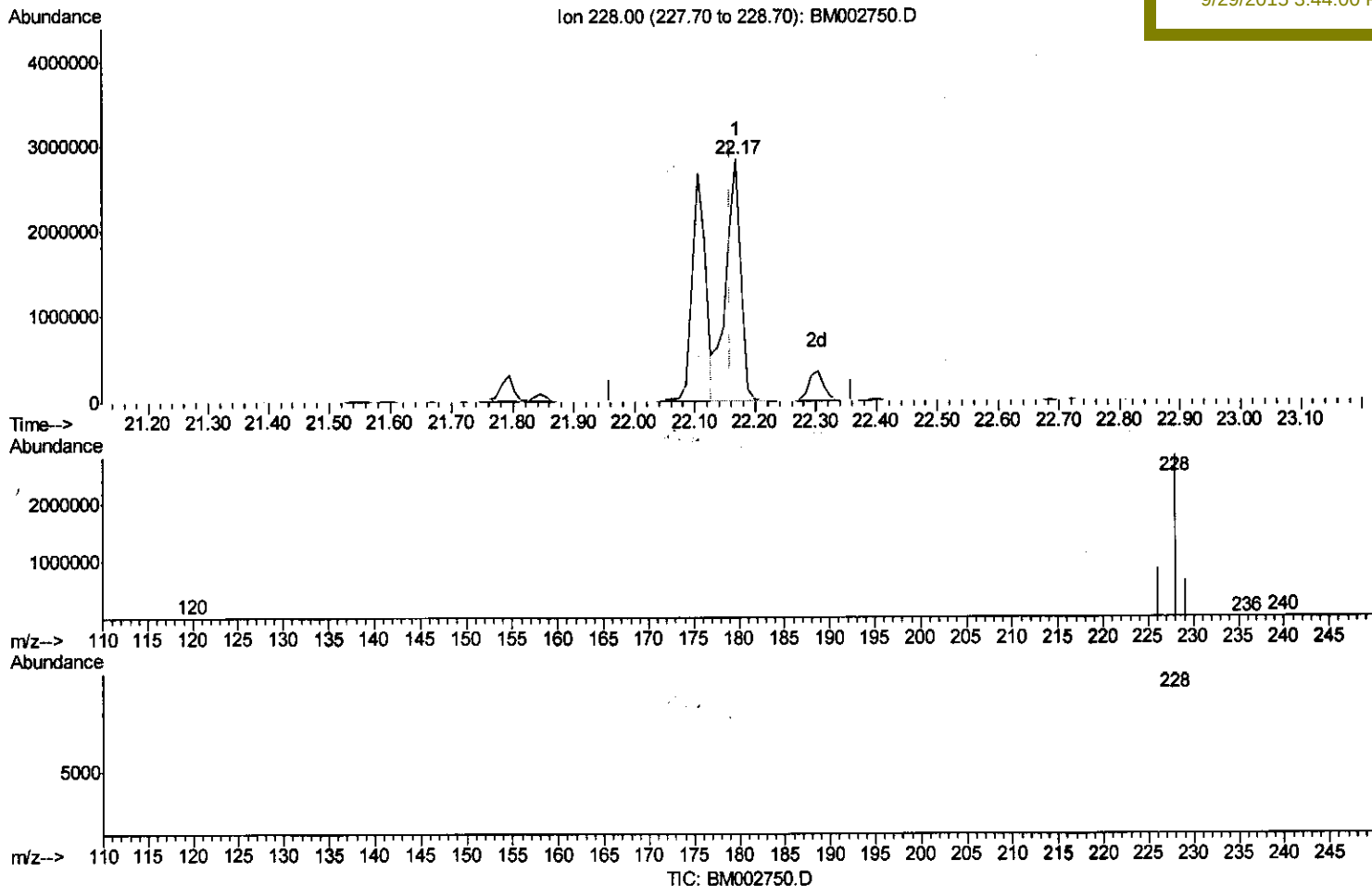
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002750.D
 Acq On : 29 Sep 2015 01:10
 Operator : UM/IZ
 Sample : G3798-26MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA M
 ClientSampleId :
 D9G67MSD

Manual Integrations
 APPROVED

MMDadoda
 9/29/2015 3:44:00 PM

Quant Time: Sep 29 04:58:13 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration



(21) Chrysene

22.167min (+0.009) 37.74ng/ul m

response 4784928

Ion	Exp%	Act%
228.00	100	100
226.00	32.10	29.73
229.00	19.00	22.75
0.00	0.00	0.00

U.M
 09/30/15

Quantitation Report (Qedit)

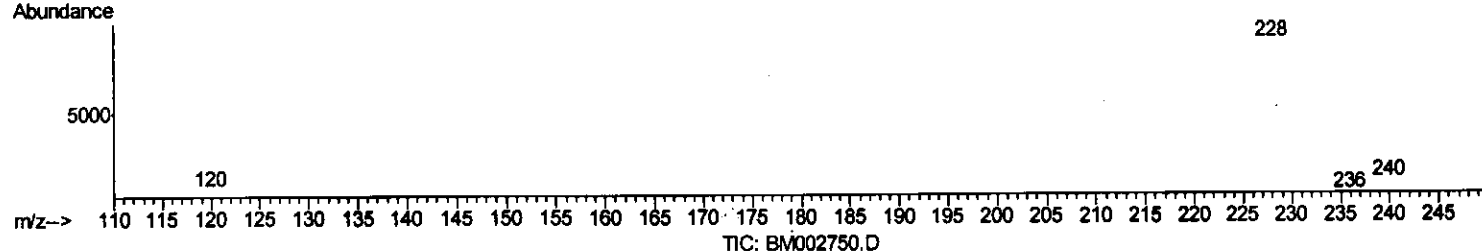
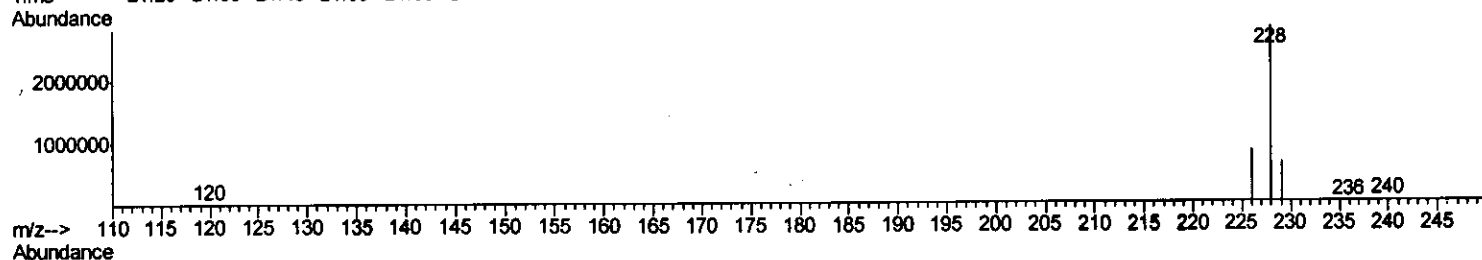
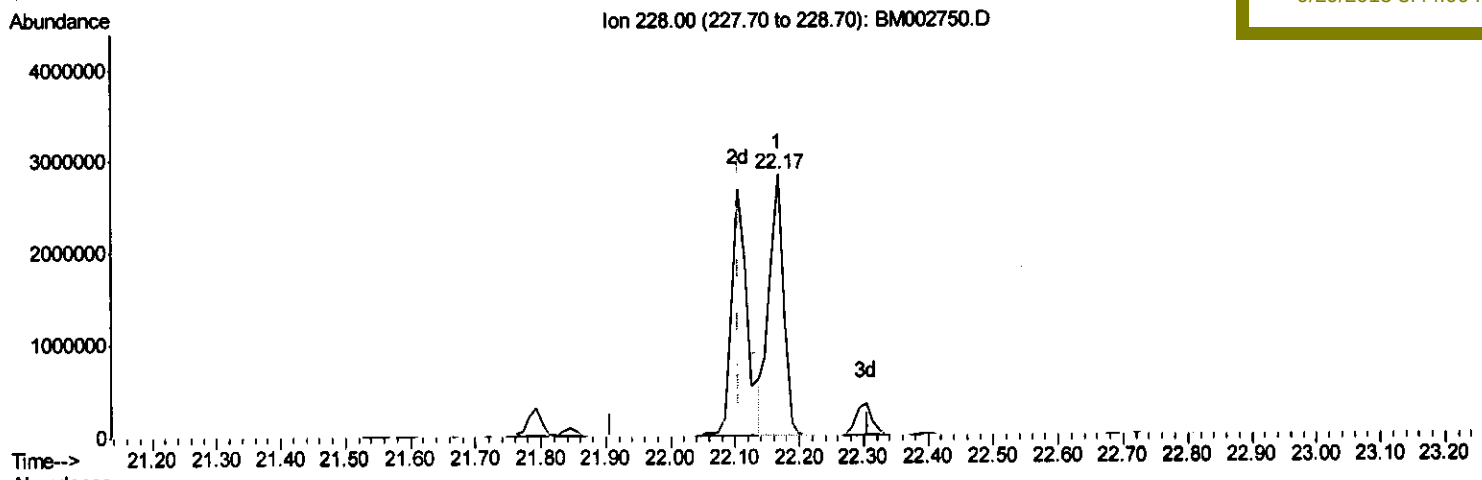
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002750.D
 Acq On : 29 Sep 2015 01:10
 Operator : UM/IZ
 Sample : G3798-26MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MSD

Quant Time: Sep 29 04:58:13 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 9/29/2015 3:44:00 PM



(20) Benzo(a)anthracene

22.167min (+0.061) 33.01ng/ul

response 4372428

Ion	Exp%	Act%
228.00	100	100
226.00	28.70	29.73
229.00	19.00	22.75
0.00	0.00	0.00

Quantitation Report (Qedit)

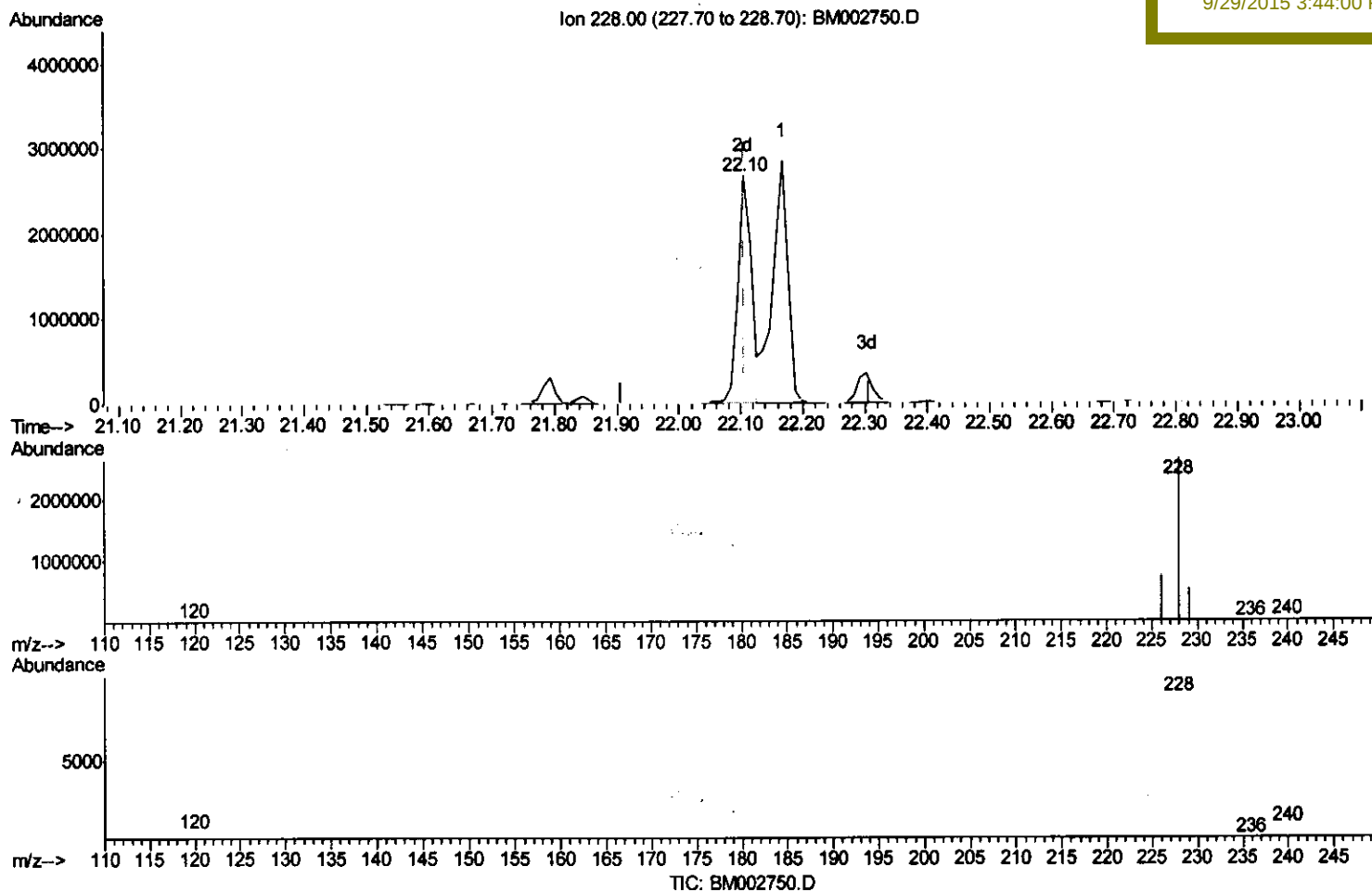
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
Data File : BM002750.D
Acq On : 29 Sep 2015 01:10
Operator : UM/IZ
Sample : G3798-26MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 29 04:58:13 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 29 02:52:19 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9G67MSD

Manual Integrations
APPROVED

MMDadoda
9/29/2015 3:44:00 PM



(20) Benzo(a)anthracene

22.105min (-0.002) 30.70ng/ul m

response 4066641

Ion	Exp%	Act%
228.00	100	100
226.00	28.70	28.45
229.00	19.00	20.05
0.00	0.00	0.00

> U.M
09/30/15

Quantitation Report (Qedit)

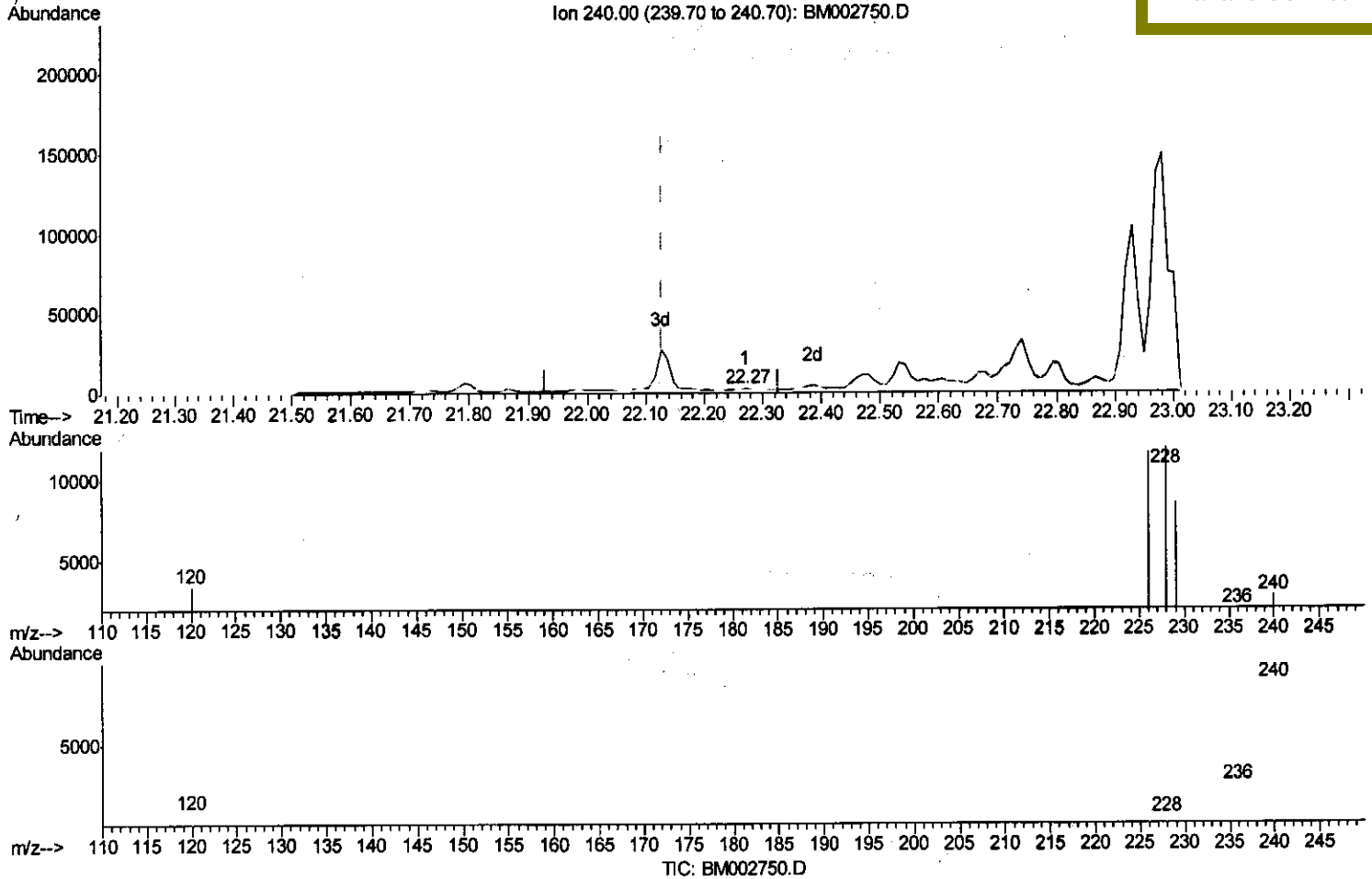
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002750.D
 Acq On : 29 Sep 2015 01:10
 Operator : UM/IZ
 Sample : G3798-26MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MSD

Manual Integrations
 APPROVED

MMDadoda
 9/29/2015 3:44:00 PM

Quant Time: Sep 29 04:56:46 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration



(18) Chrysene-d12 (I)

22.272min (+0.144) 0.40ng/ul

response 1592

Ion	Exp%	Act%
240.00	100	100
120.00	15.00	123.73#
236.00	30.00	70.27#
0.00	0.00	0.00

Quantitation Report (Qedit)

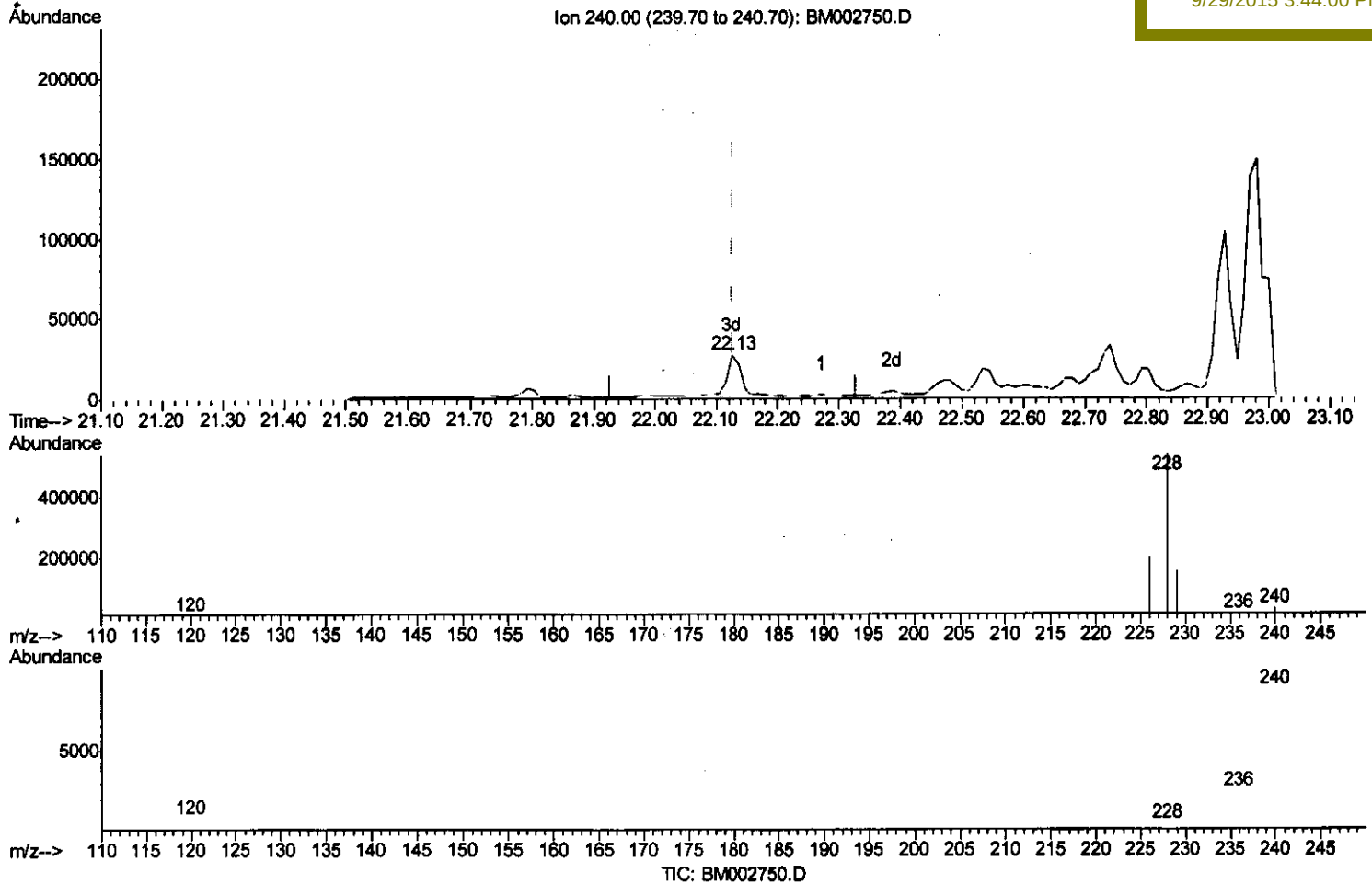
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002750.D
 Acq On : 29 Sep 2015 01:10
 Operator : UM/IZ
 Sample : G3798-26MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MSD

Quant Time: Sep 29 04:56:46 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 9/29/2015 3:44:00 PM



(18) Chrysene-d12 (I)

22.126min (-0.002) 0.40ng/ul m

response 39635

Ion	Exp%	Act%
240.00	100	100
120.00	15.00	27.33#
236.00	30.00	32.87
0.00	0.00	0.00

> U.M
09/30/15

Quantitation Report (Qedit)

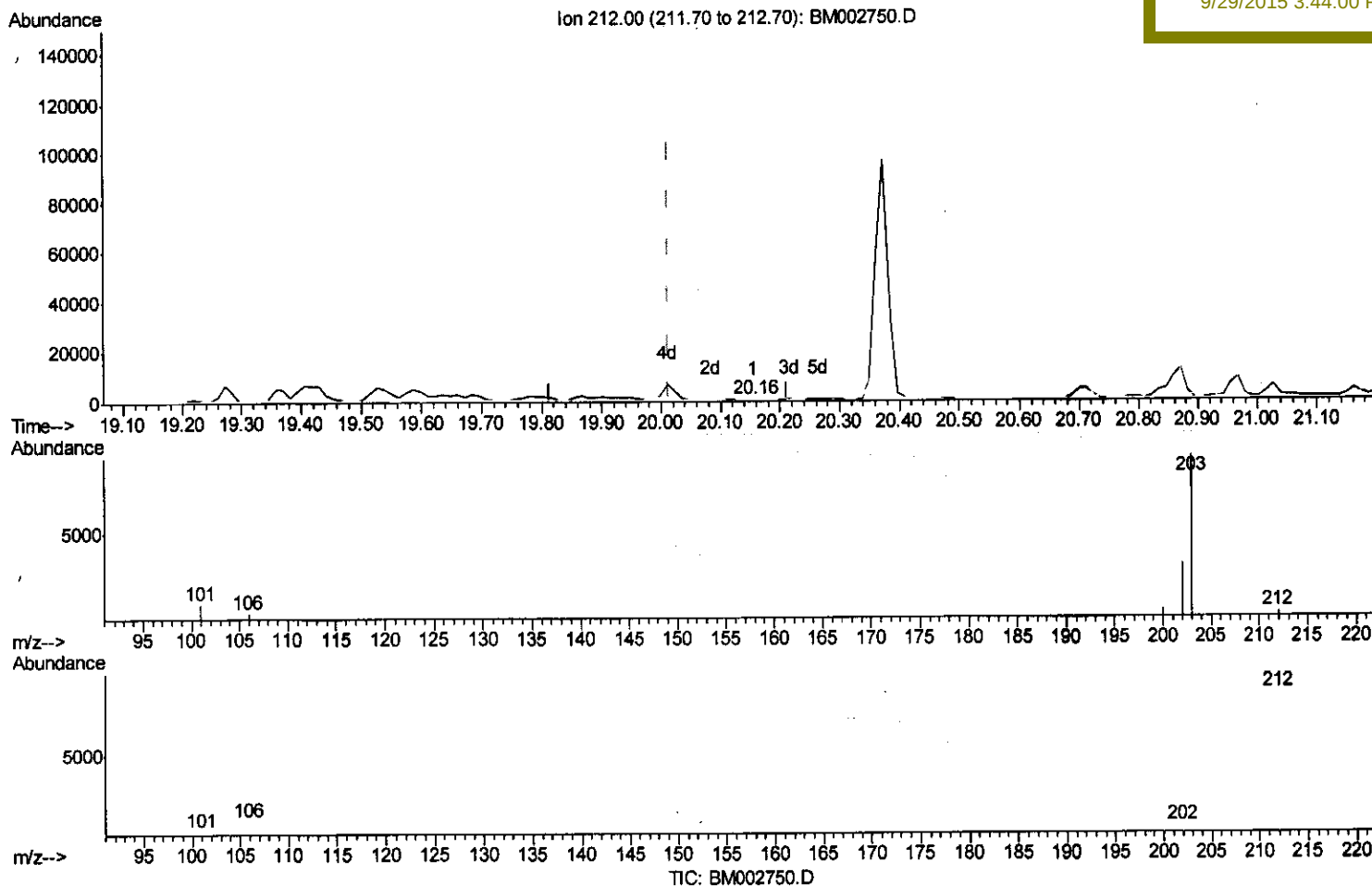
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
Data File : BM002750.D
Acq On : 29 Sep 2015 01:10
Operator : UM/IZ
Sample : G3798-26MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9G67MSD

Quant Time: Sep 29 04:56:46 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 29 02:52:19 2015
Response via : Initial Calibration

Manual Integrations
APPROVED

MMDadoda
9/29/2015 3:44:00 PM



(16) Fluoranthene-d10 (SURR)

20.156min (+0.143) 0.00ng/ul

response 448

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	0.00#
104.00	10.80	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

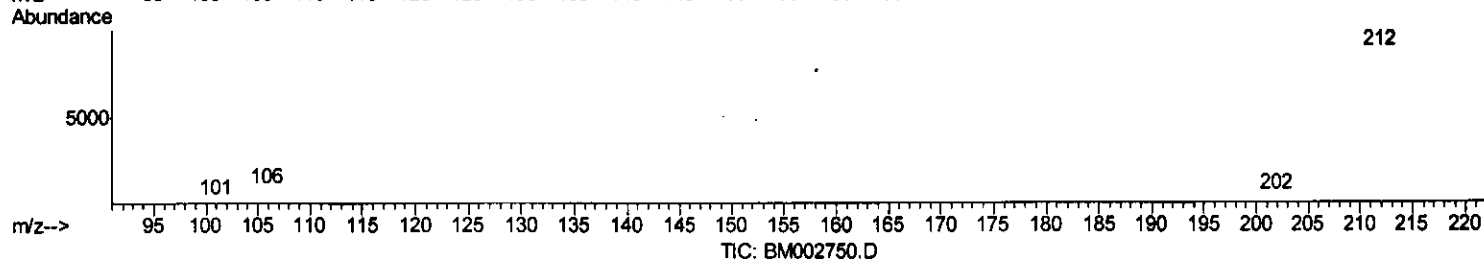
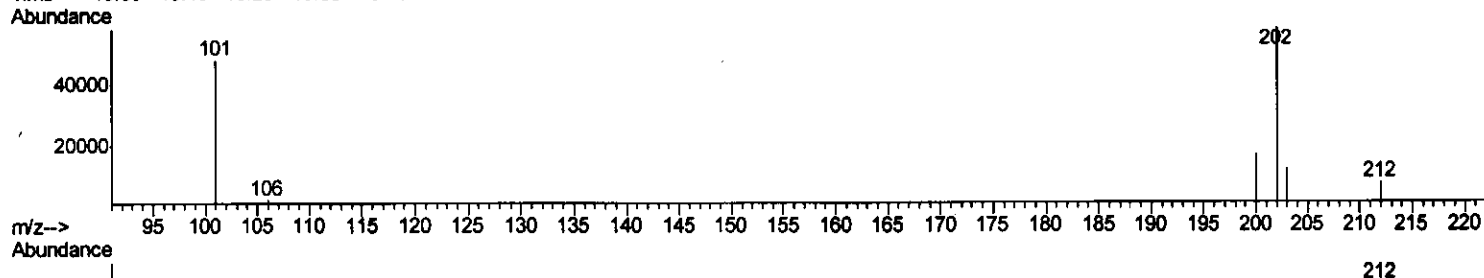
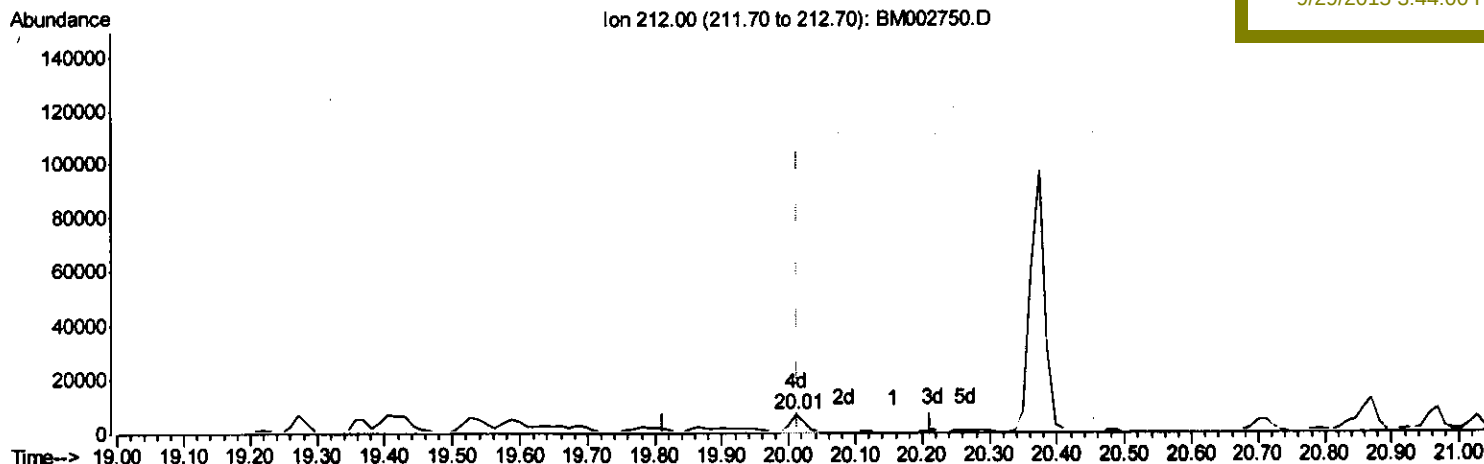
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002750.D
 Acq On : 29 Sep 2015 01:10
 Operator : UM/IZ
 Sample : G3798-26MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MSD

Manual Integrations
 APPROVED

MMDadoda
 9/29/2015 3:44:00 PM

Quant Time: Sep 29 04:56:46 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration



(16) Fluoranthene-d10 (SURR)

20.010min (-0.002) 0.13ng/ul m

response 12099

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	0.00#
104.00	10.80	0.00#
0.00	0.00	0.00

U.M
 09/30/15

Quantitation Report (Qedit)

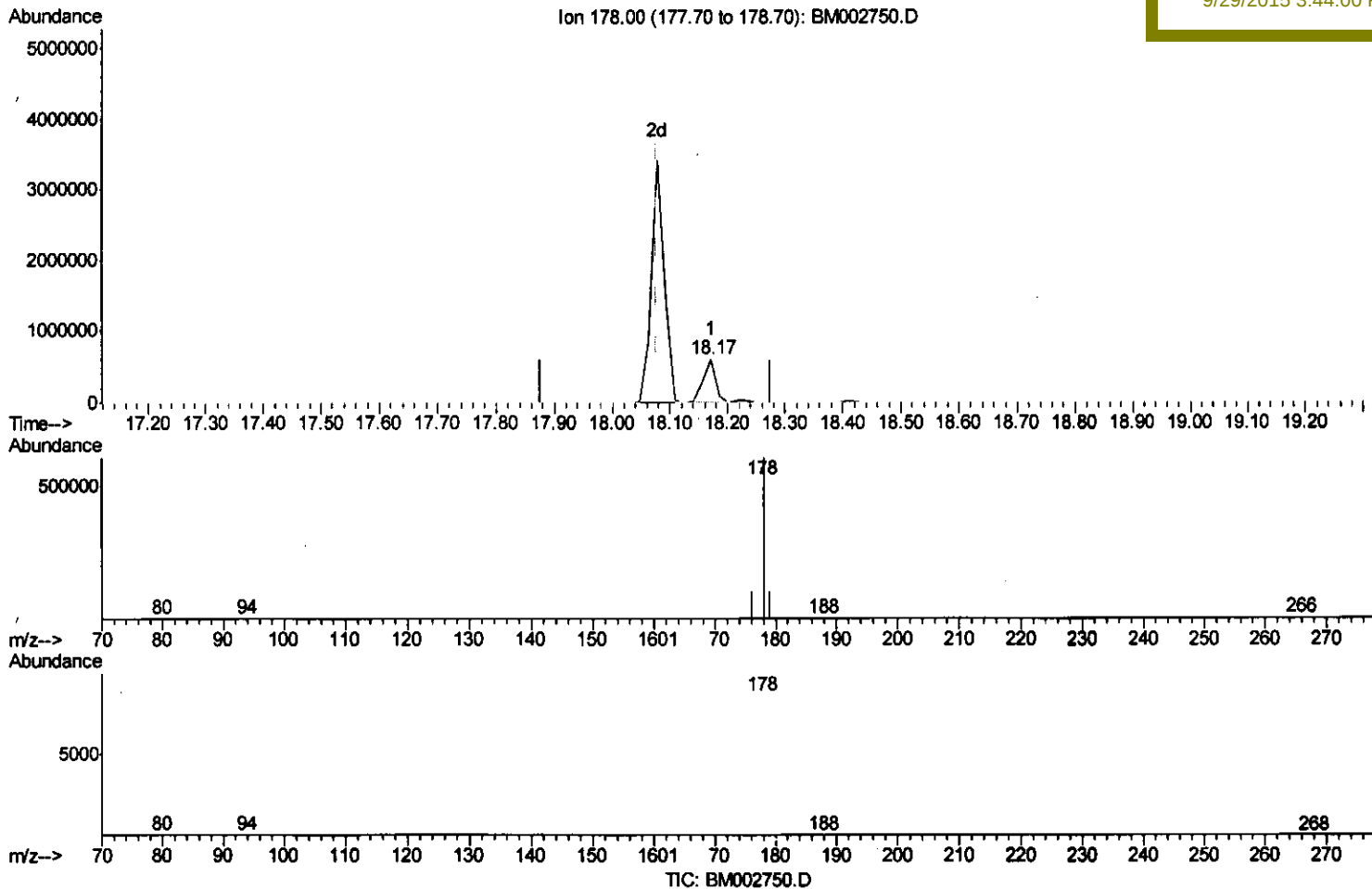
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002750.D
 Acq On : 29 Sep 2015 01:10
 Operator : UM/IZ
 Sample : G3798-26MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MSD

Manual Integrations
 APPROVED

MMDadoda
 9/29/2015 3:44:00 PM

Quant Time: Sep 29 04:56:46 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration



(14) Phenanthrene

18.171min (+0.094) 8.08ng/ul

response 999553

Ion	Exp%	Act%
178.00	100	100
176.00	20.30	16.74
179.00	16.00	16.23
0.00	0.00	0.00

Quantitation Report (Qedit)

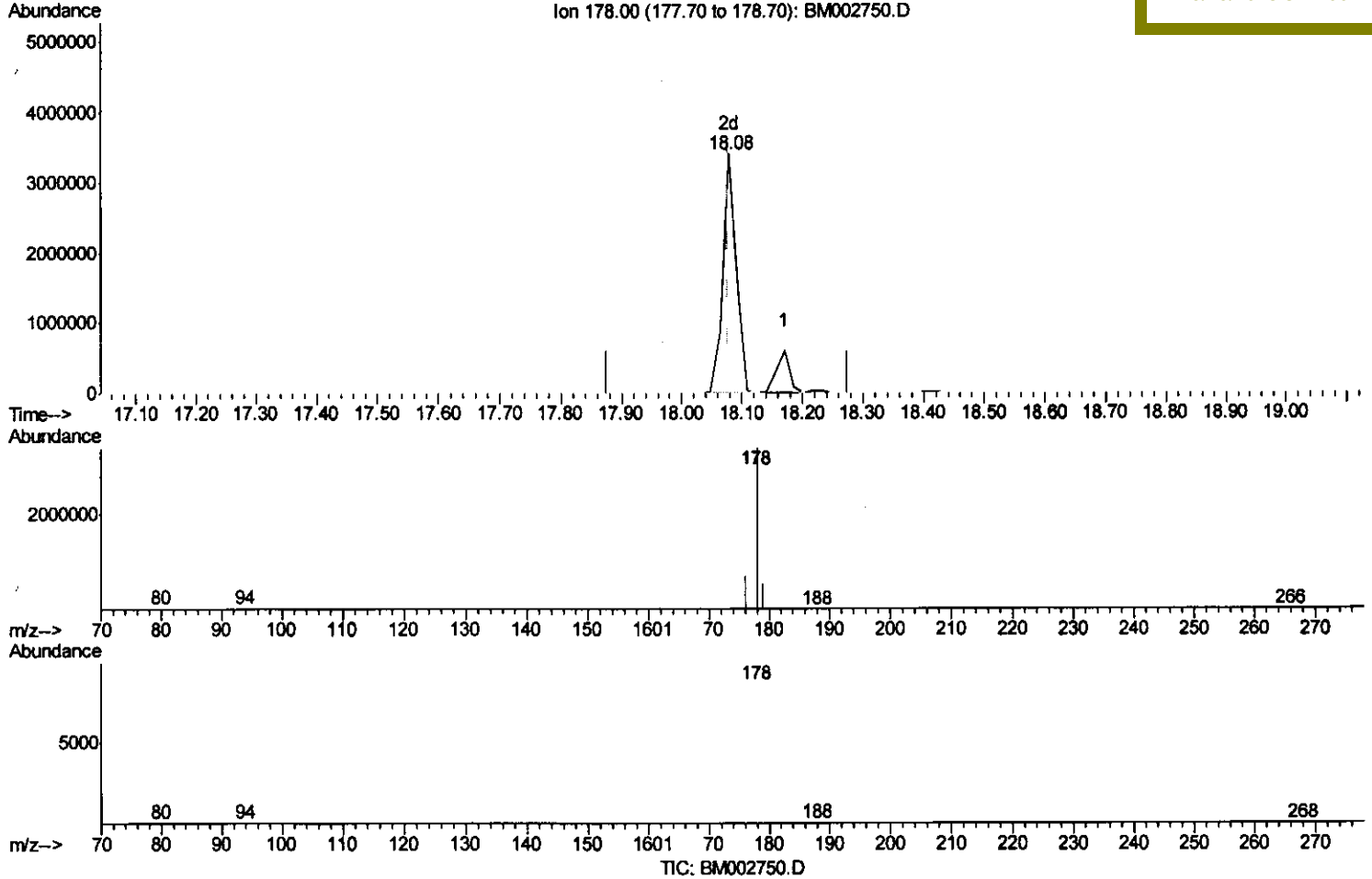
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002750.D
 Acq On : 29 Sep 2015 01:10
 Operator : UM/IZ
 Sample : G3798-26MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MSD

Quant Time: Sep 29 04:56:46 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 9/29/2015 3:44:00 PM



(14) Phenanthrene

18.078min (+0.002) 42.68ng/ul m

response 5280435

Ion	Exp%	Act%
178.00	100	100
176.00	20.30	20.27
179.00	16.00	15.60
0.00	0.00	0.00

> U.M
 09/30/15

Quantitation Report (Qedit)

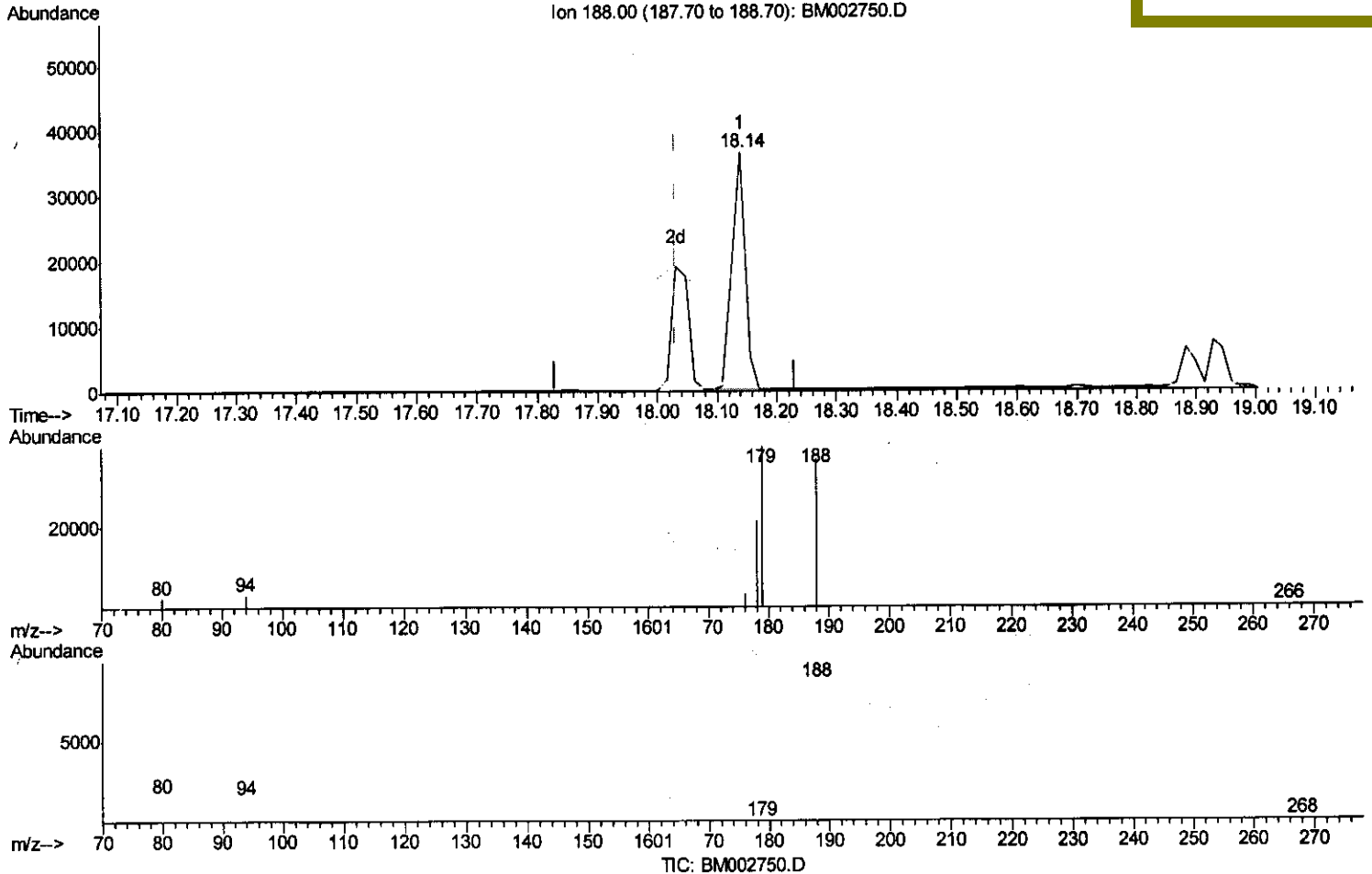
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002750.D
 Acq On : 29 Sep 2015 01:10
 Operator : UM/IZ
 Sample : G3798-26MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MSD

Quant Time: Sep 29 04:42:13 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 9/29/2015 3:44:00 PM



(12) Phenanthrene-d10 (I)

18.140min (+0.110) 0.40ng/ul

response 56309

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	9.00
80.00	8.90	7.20
0.00	0.00	0.00

Quantitation Report (Qedit)

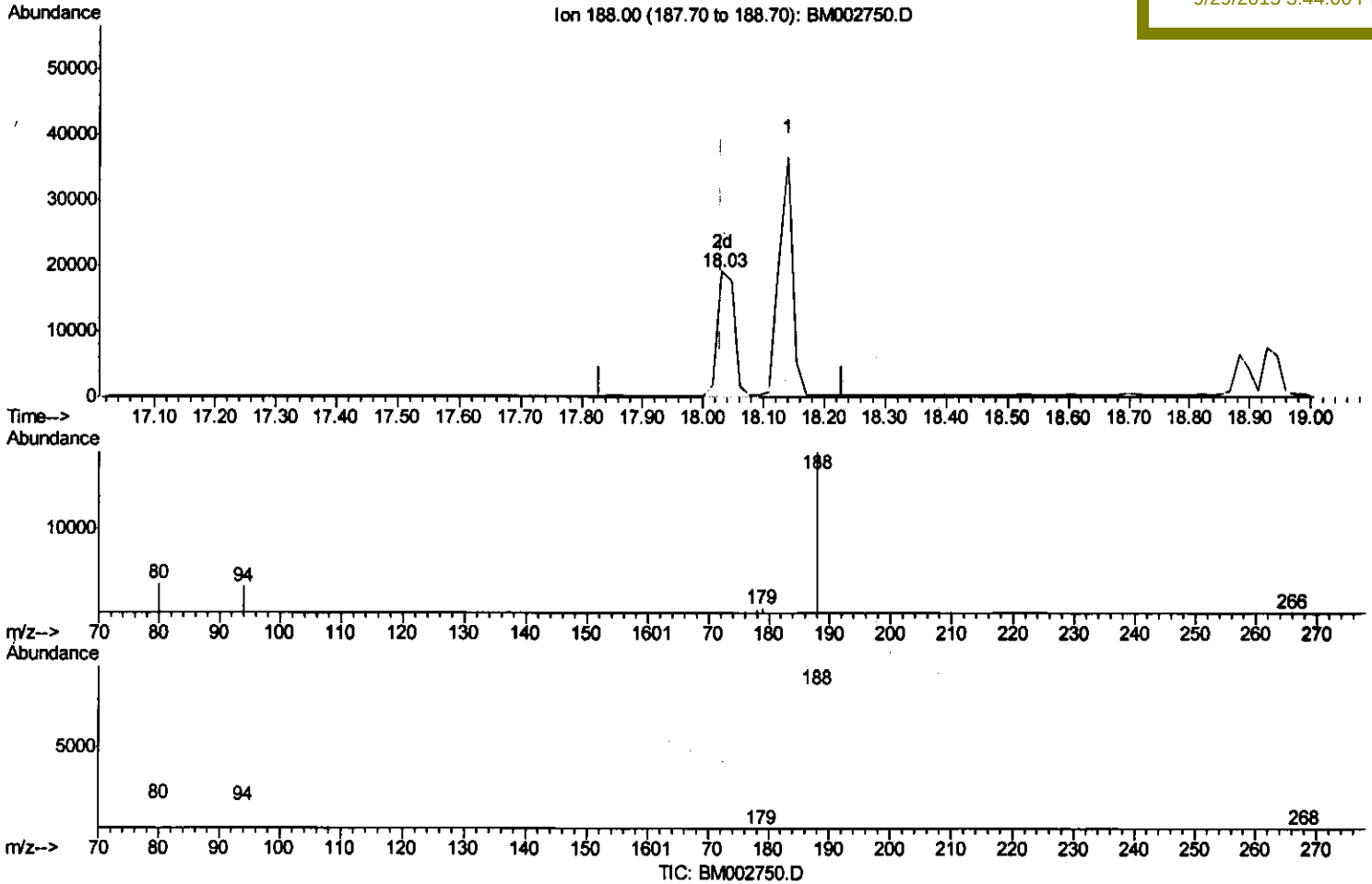
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002750.D
 Acq On : 29 Sep 2015 01:10
 Operator : UM/IZ
 Sample : G3798-26MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MSD

Quant Time: Sep 29 04:42:13 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 9/29/2015 3:44:00 PM



(12) Phenanthrene-d10 (I)

18.031min (+0.002) 0.40ng/ul m

response 38022

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	17.17#
80.00	8.90	18.86#
0.00	0.00	0.00

> U.M
 09/30/15

Quantitation Report (Qedit)

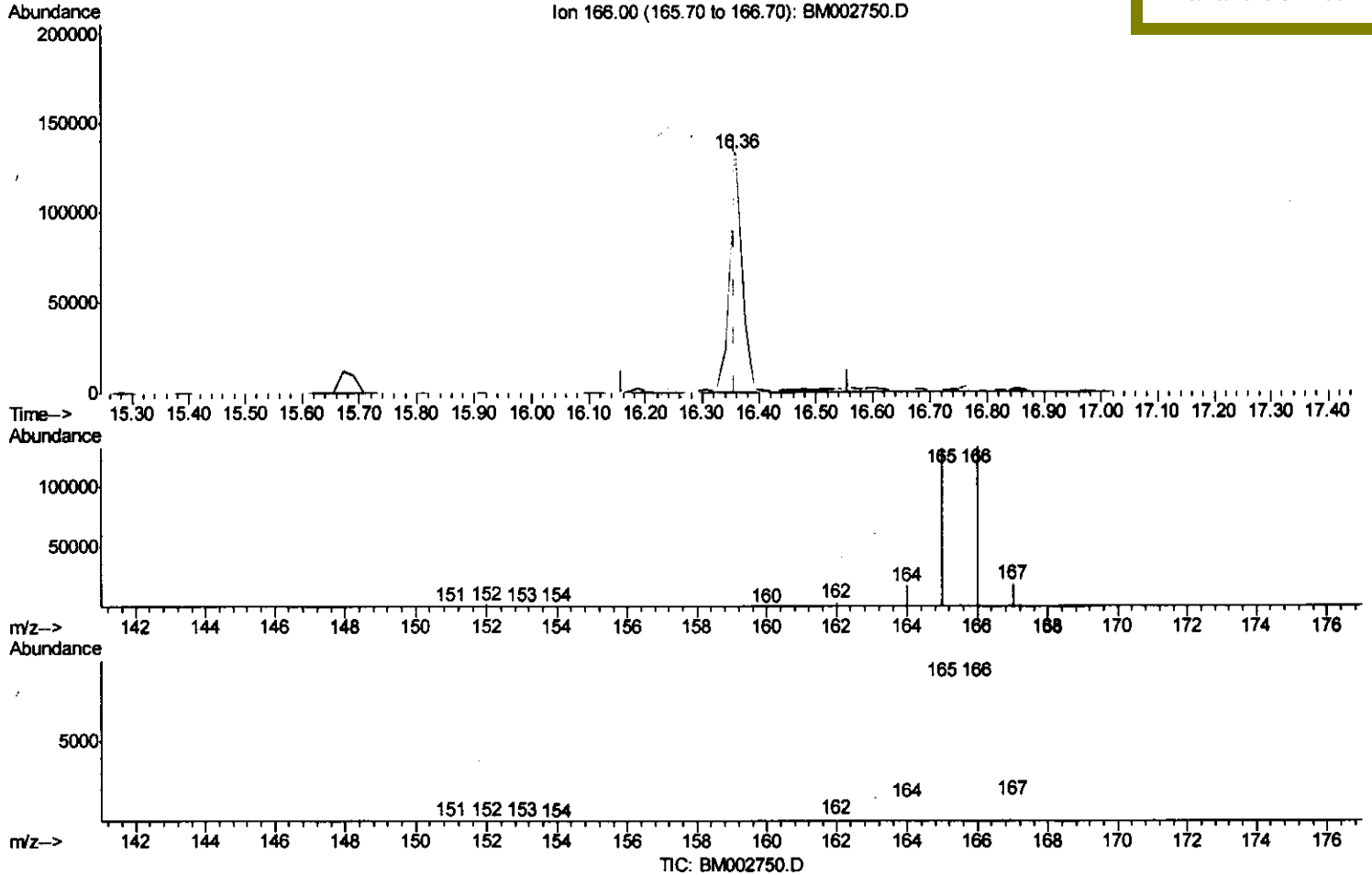
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002750.D
 Acq On : 29 Sep 2015 01:10
 Operator : UM/IZ
 Sample : G3798-26MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MSD

Quant Time: Sep 29 04:42:13 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 9/29/2015 3:44:00 PM



(11) Fluorene

16.358min (-0.000) 2.81ng/ul

response 208187

Ion	Exp%	Act%
166.00	100	100
165.00	109.50	98.89
167.00	13.90	14.12
0.00	0.00	0.00

Quantitation Report (Qedit)

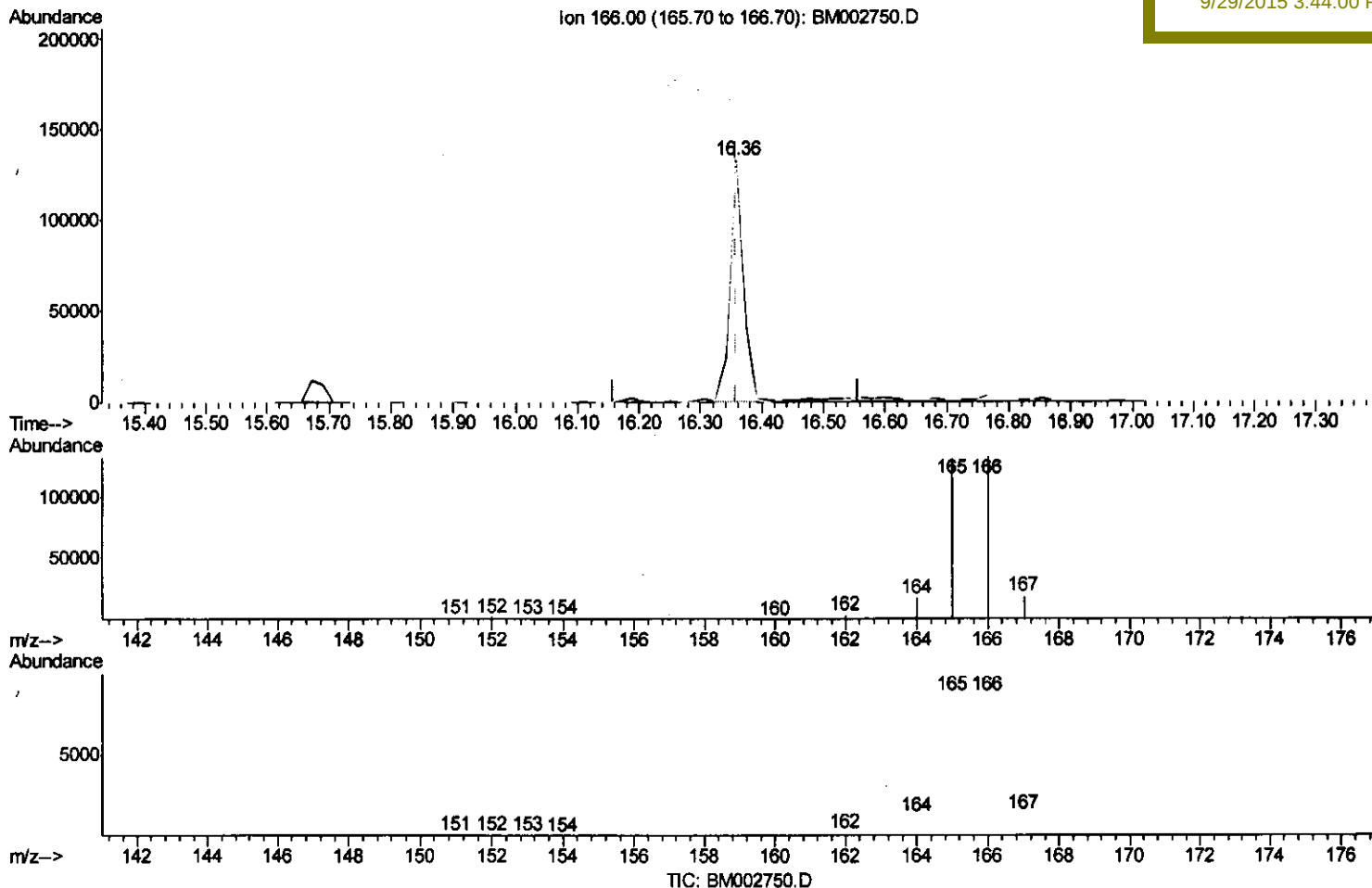
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
Data File : BM002750.D
Acq On : 29 Sep 2015 01:10
Operator : UM/IZ
Sample : G3798-26MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9G67MSD

Quant Time: Sep 29 04:42:13 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 29 02:52:19 2015
Response via : Initial Calibration

Manual Integrations
APPROVED

MMDadoda
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(11) Fluorene

16.358min (-0.000) 2.75ng/ul m

response 203807

Ion	Exp%	Act%
166.00	100	100
165.00	109.50	98.89
167.00	13.90	14.12
0.00	0.00	0.00

> U.M
09/30/15

Quantitation Report (Qedit)

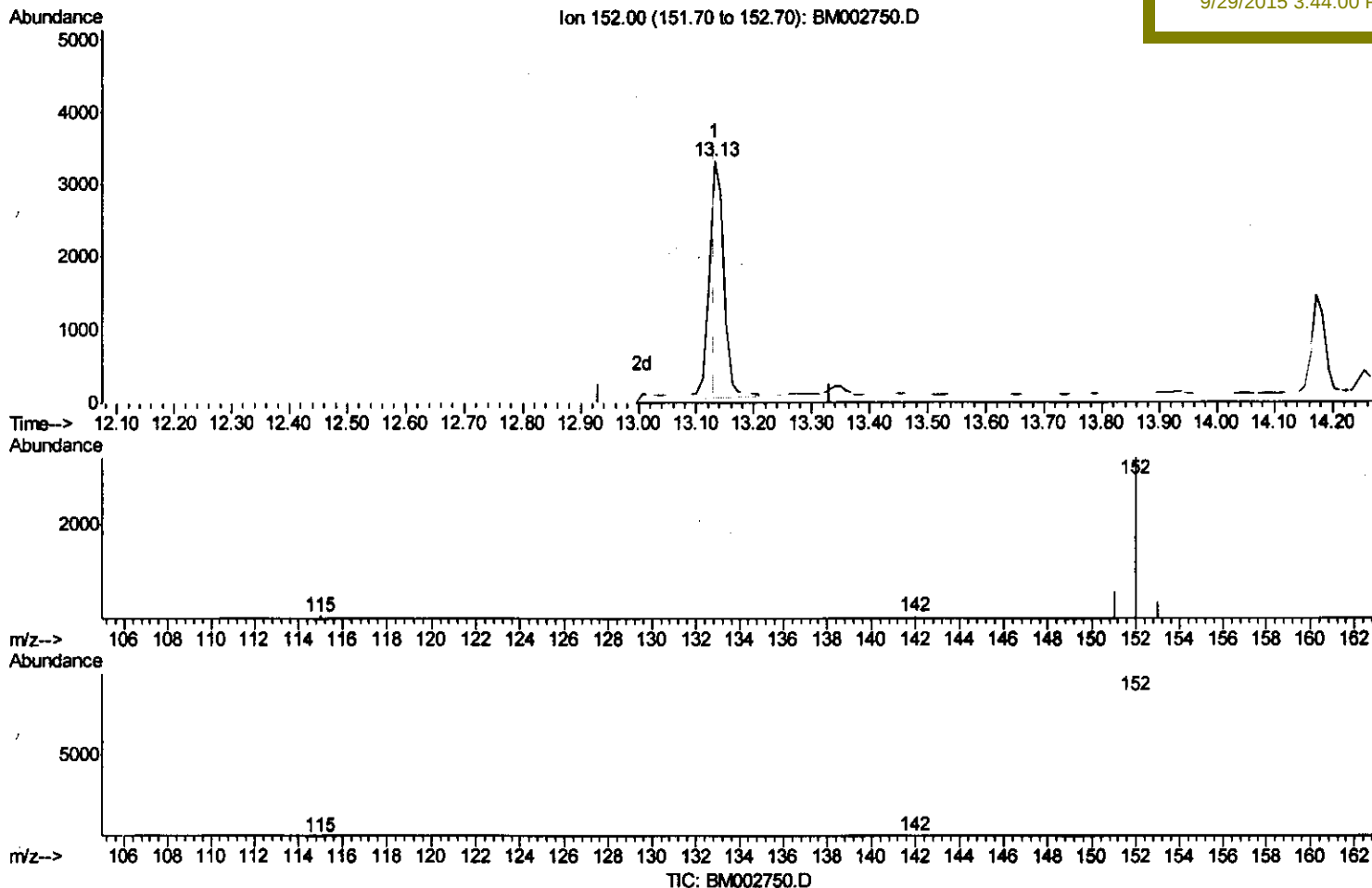
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002750.D
 Acq On : 29 Sep 2015 01:10
 Operator : UM/IZ
 Sample : G3798-26MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MSD

Quant Time: Sep 29 04:42:13 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 9/29/2015 3:44:00 PM



(6) 2-Methylnaphthalene-d10 (SURR)

13.131min (-0.000) 0.13ng/ul

response 5926

Ion	Exp%	Act%
152.00	100	100
151.00	18.90	25.45#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

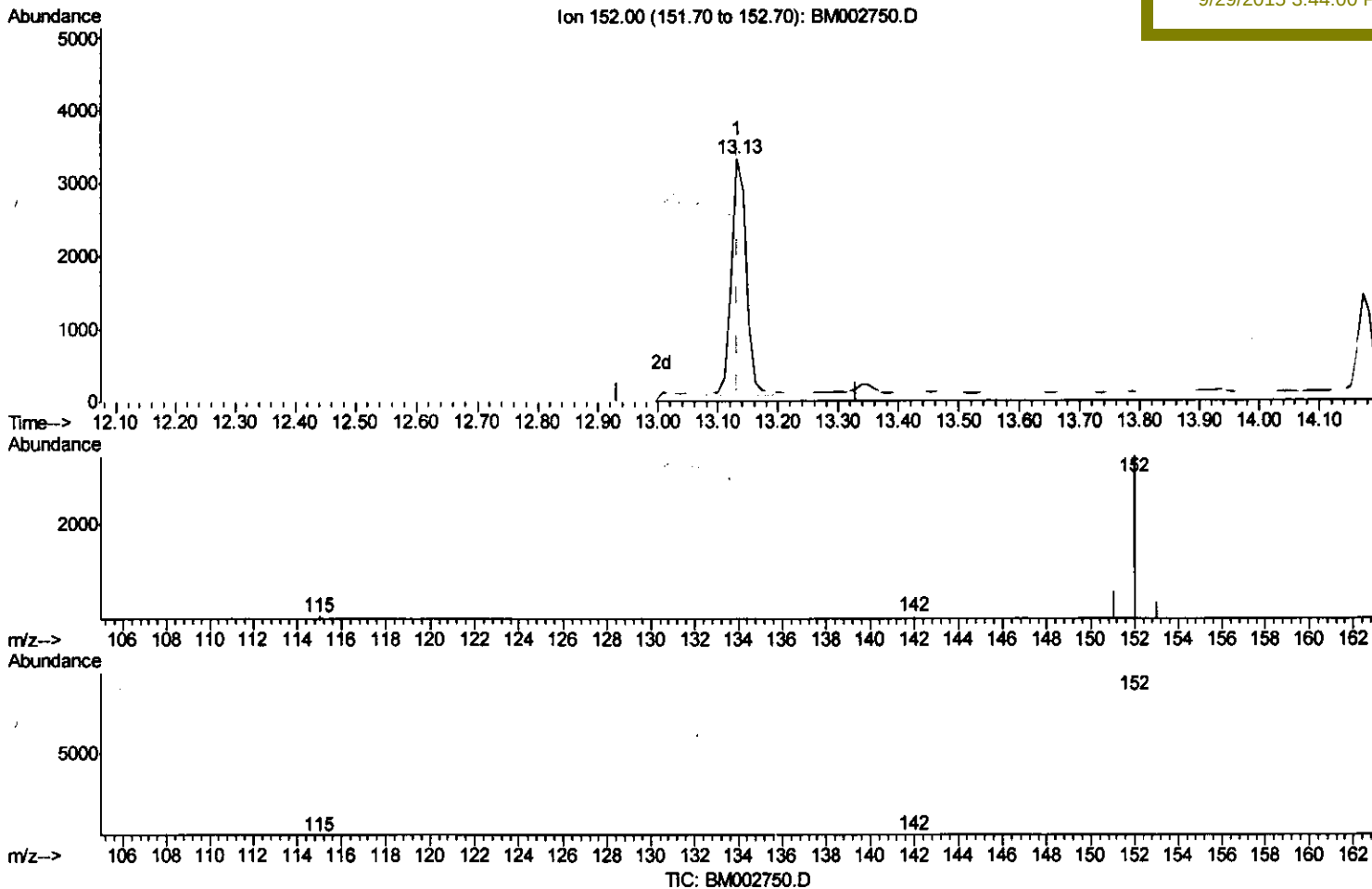
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002750.D
 Acq On : 29 Sep 2015 01:10
 Operator : UM/IZ
 Sample : G3798-26MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MSD

Quant Time: Sep 29 04:42:13 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 9/29/2015 3:44:00 PM



(6) 2-Methylnaphthalene-d10 (SURR)

13.131min (-0.000) 0.12ng/ul m

response 5619

Ion	Exp%	Act%
152.00	100	100
151.00	18.90	26.84#
0.00	0.00	0.00
0.00	0.00	0.00

> U.M
 09/30/15

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002750.D
 Acq On : 29 Sep 2015 01:10
 Operator : UM/IZ
 Sample : G3798-26MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MSD

Quant Time: Sep 29 05:04:09 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 9/29/2015 3:44:00 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	8181	0.40	ng/ul	0.00
4) Naphthalene-d8	11.60	136	31705	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.33	164	17272	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	38022m	0.40	ng/ul	0.00
18) Chrysene-d12	22.13	240	39635m	0.40	ng/ul	0.00
22) Perylene-d12	24.74	264	49029m	0.40	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.80	96	17433	2.06	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.13	152	5619m	0.12	ng/ul	0.00
16) Fluoranthene-d10	20.01	212	12099m	0.13	ng/ul	0.00

Target Compounds

						Ovalue
5) Naphthalene	11.65	128	29953	0.35	ng/ul	99
7) 2-Methylnaphthalene	13.20	142	15765	0.29	ng/ul	99
9) Acenaphthylene	15.06	152	110444	1.24	ng/ul	96
10) Acenaphthene	15.38	153	799507	12.30	ng/ul	95
11) Fluorene	16.36	166	203807m	2.75	ng/ul	
13) Pentachlorophenol	17.69	266	68515	9.23	ng/ul	95
14) Phenanthrene	18.08	178	5280435m	42.68	ng/ul	
15) Anthracene	18.17	178	1001772	8.76	ng/ul	96
17) Fluoranthene	20.05	202	10726037	79.71	ng/ul	92
19) Pyrene	20.40	202	9567363	61.94	ng/ul	96
20) Benzo(a)anthracene	22.10	228	4066641m	30.70	ng/ul	
21) Chrysene	22.17	228	4784928m	37.74	ng/ul	
23) Benzo(b)fluoranthene	23.94	252	5771076m	32.65	ng/ul	
24) Benzo(k)fluoranthene	23.98	252	2495503m	15.24	ng/ul	
25) Benzo(a)pyrene	24.63	252	3747379m	23.03	ng/ul	
26) Indeno(1,2,3-cd)pyrene	27.49	276	2991322m	16.48	ng/ul	
27) Dibenzo(a,h)anthracene	27.48	278	771826m	5.18	ng/ul	
28) Benzo(a,h,i)perylene	28.35	276	2447859m	15.90	ng/ul	

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