

(QT Reviewed)

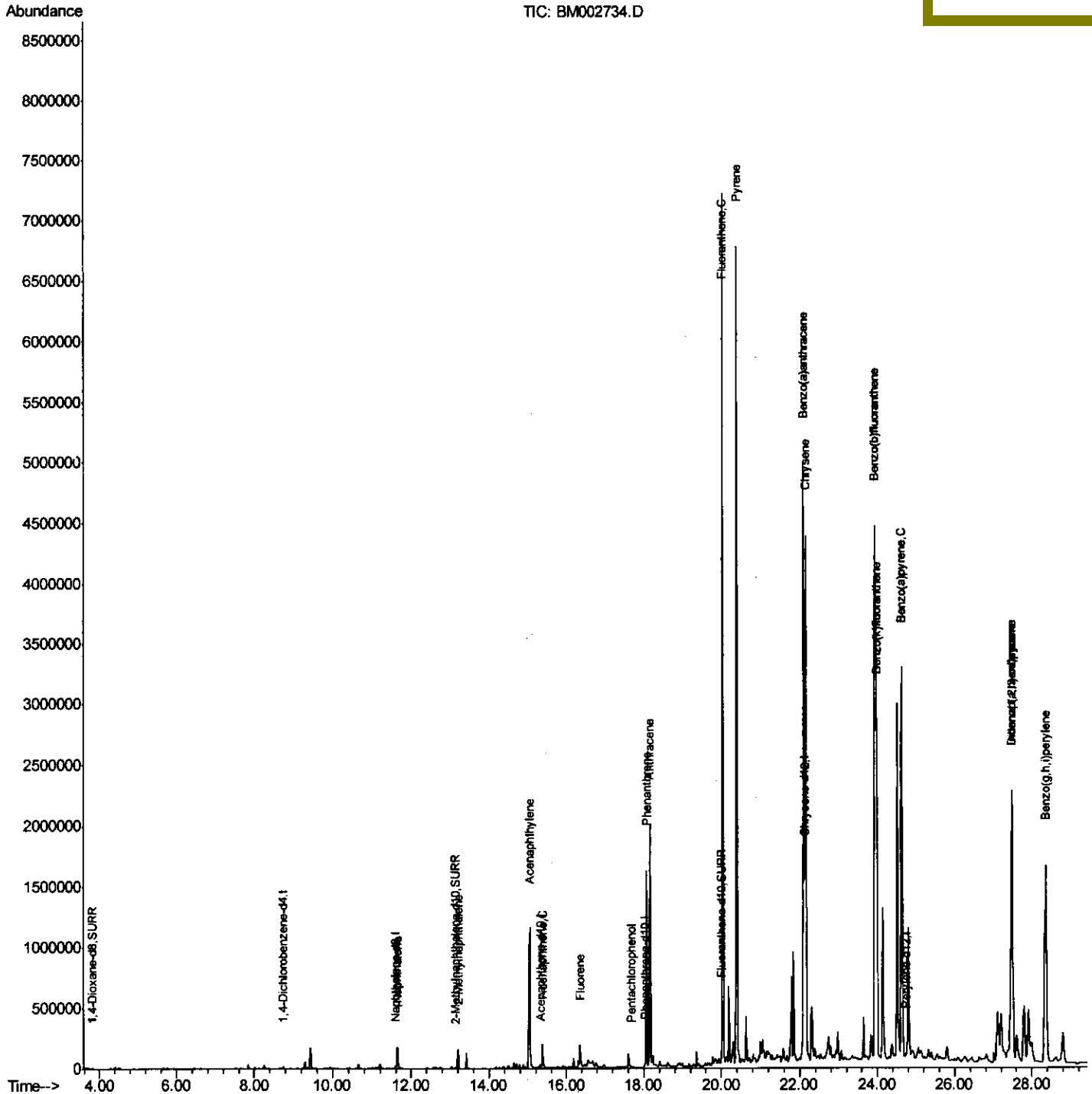
```
Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\  
Data File : BM002734.D  
Acq On    : 28 Sep 2015   15:26  
Operator  : UM/IZ  
Sample    : G3798-13  
Misc      :  
ALS Vial  : 7      Sample Multiplier: 1
```

Instrument :
BNA_M
ClientSampleId :
D9G67

Quant Time: Sep 29 04:15:10 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

MMDadoda
9/29/2015 3:42:32 PM



Quantitation Report (Qedit)

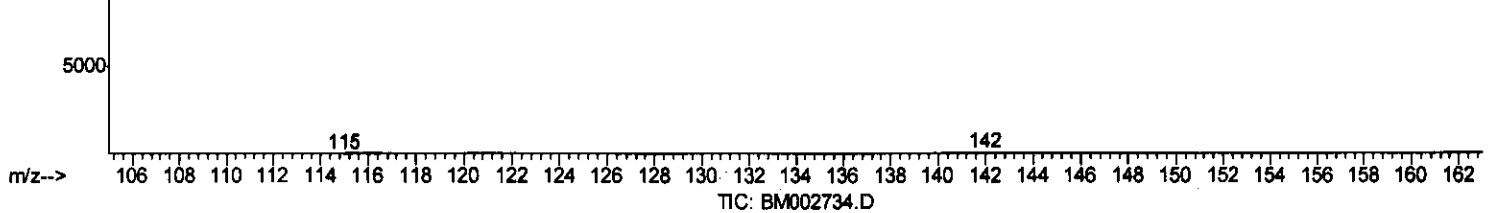
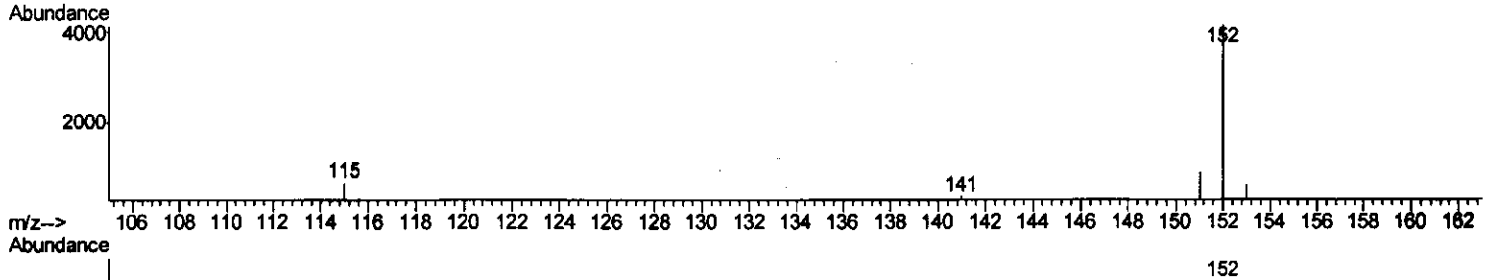
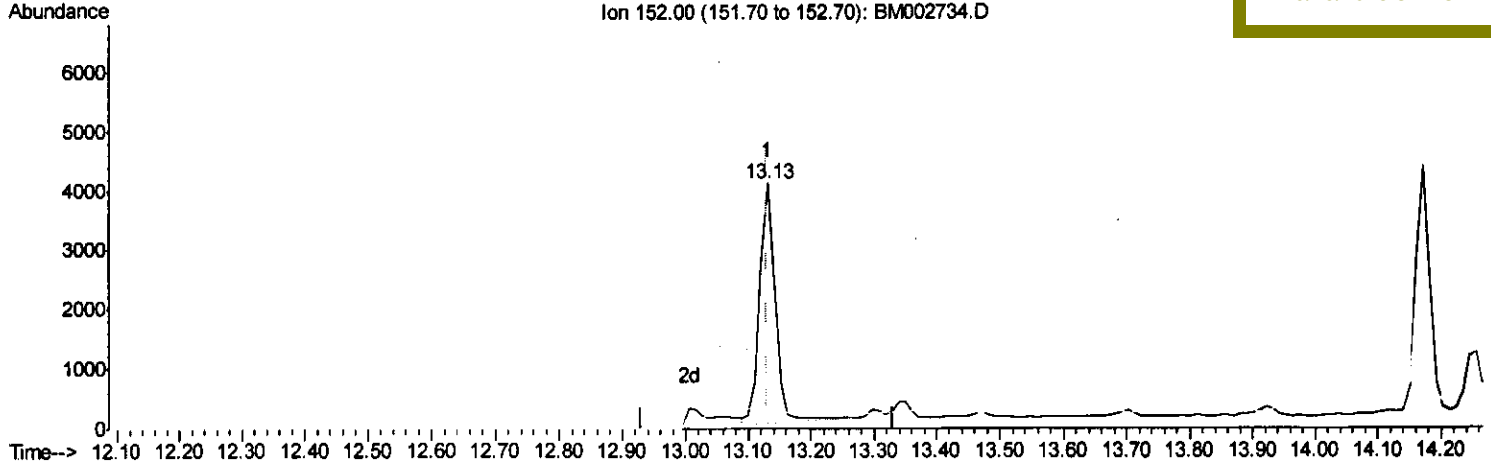
Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
 Data File : BM002734.D
 Acq On : 28 Sep 2015 15:26
 Operator : UM/IZ
 Sample : G3798-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67

Quant Time: Sep 29 04:02:55 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
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(6) 2-Methylnaphthalene-d10 (SURR)

13.131min (-0.000) 0.12ng/ul

response 7018

Ion	Exp%	Act%
152.00	100	100
151.00	18.90	36.06#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

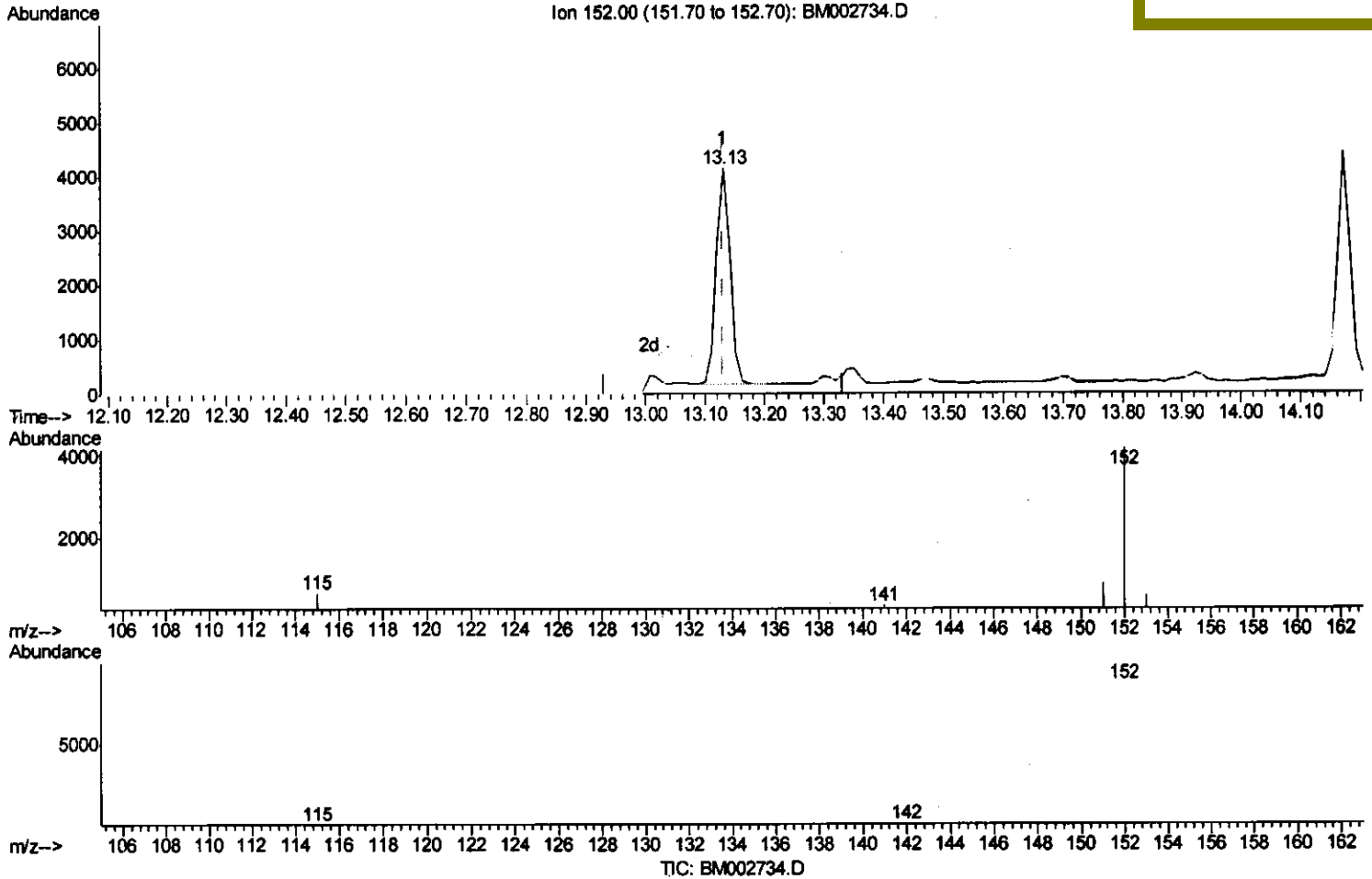
Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
 Data File : BM002734.D
 Acq On : 28 Sep 2015 15:26
 Operator : UM/IZ
 Sample : G3798-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67

Quant Time: Sep 29 04:02:55 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

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(6) 2-Methylnaphthalene-d10 (SURR)

13.131min (-0.000) 0.11ng/ul m

response 6405

Ion	Exp%	Act%
152.00	100	100
151.00	18.90	39.52#
0.00	0.00	0.00
0.00	0.00	0.00

> 0.1m
09/30/15

Quantitation Report (Qedit)

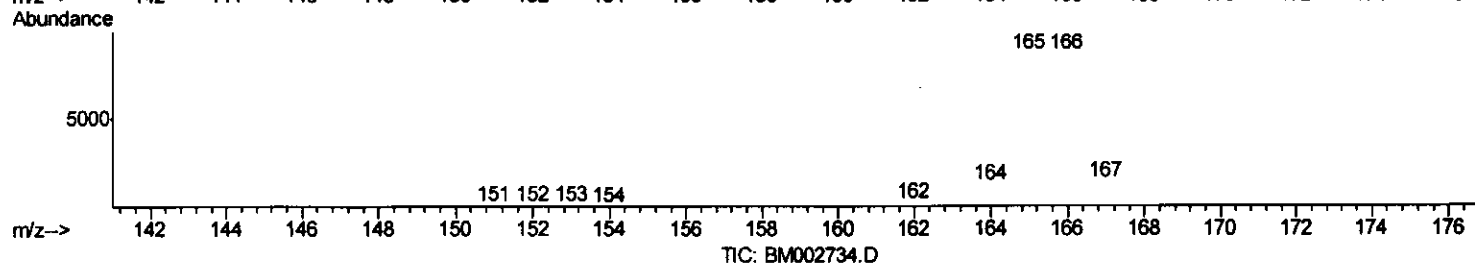
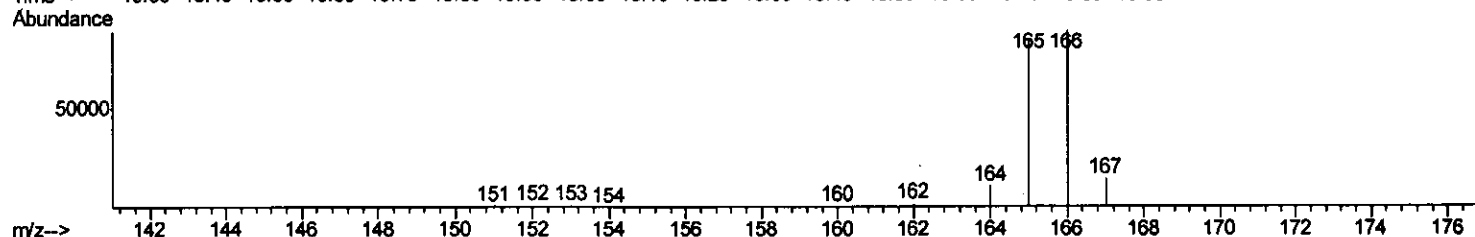
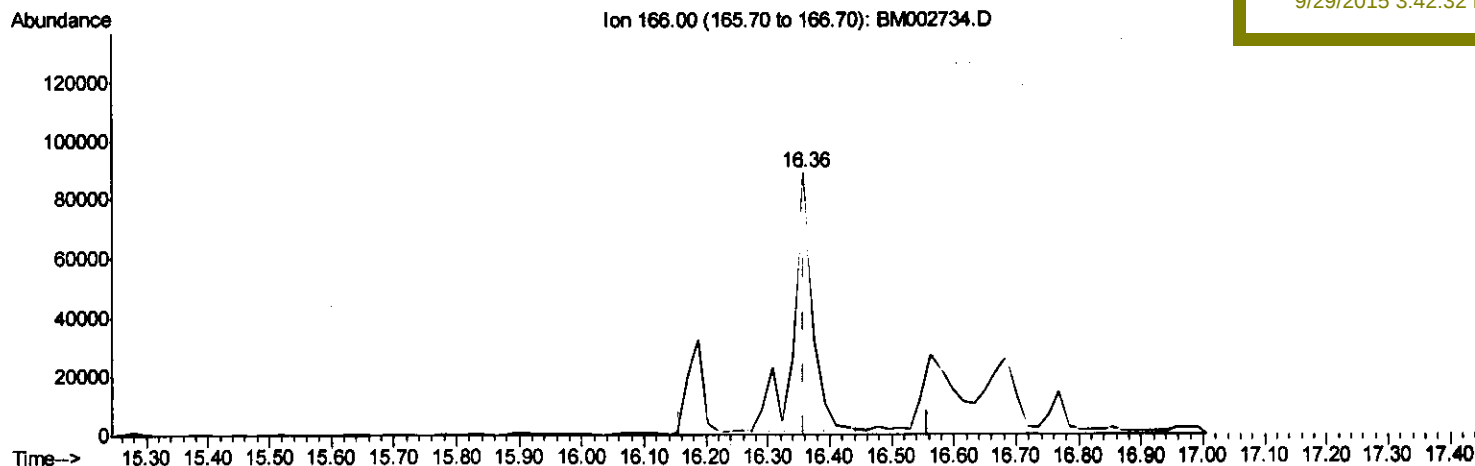
Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
 Data File : BM002734.D
 Acq On : 28 Sep 2015 15:26
 Operator : UM/IZ
 Sample : G3798-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67

Quant Time: Sep 29 04:02:55 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Manual Integrations
 APPROVED

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(11) Fluorene

16.358min (-0.000) 2.10ng/ul

response 194920

Ion	Exp%	Act%
166.00	100	100
165.00	109.50	95.52
167.00	13.90	16.20
0.00	0.00	0.00

Quantitation Report (Qedit)

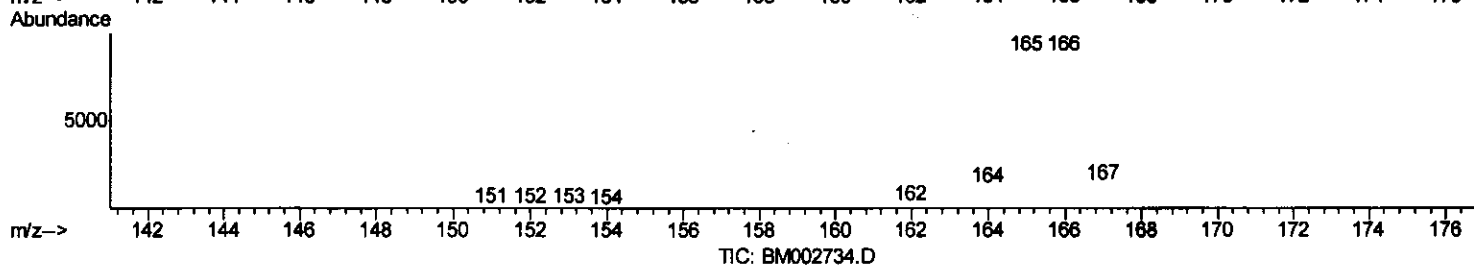
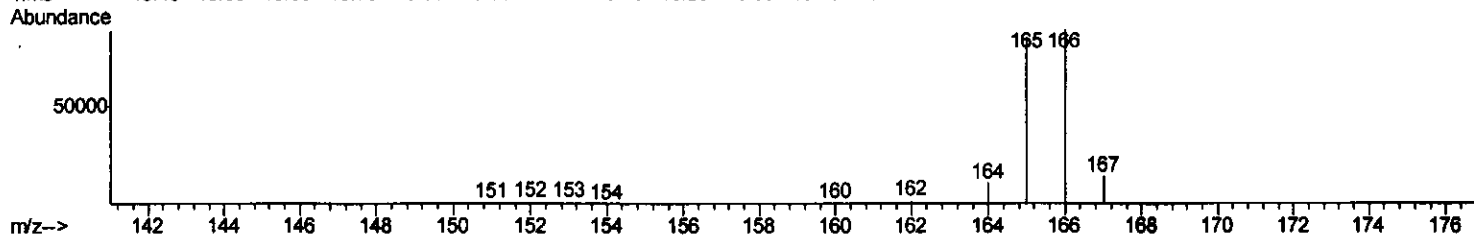
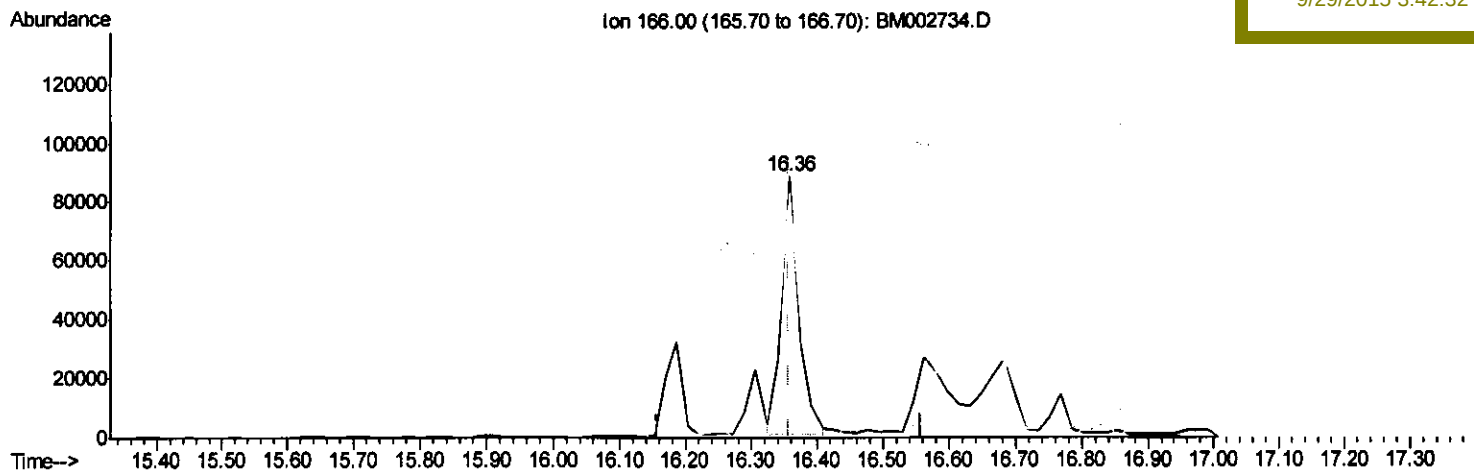
Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
 Data File : BM002734.D
 Acq On : 28 Sep 2015 15:26
 Operator : UM/IZ
 Sample : G3798-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67

Quant Time: Sep 29 04:02:55 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
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Manual Integrations
 APPROVED

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 9/29/2015 3:42:32 PM



(11) Fluorene

16.358min (-0.000) 1.72ng/ul m

response 159651

Ion	Exp%	Act%
166.00	100	100
165.00	109.50	95.52
167.00	13.90	16.20
0.00	0.00	0.00

> U.M
 09/30/15

Quantitation Report (Qedit)

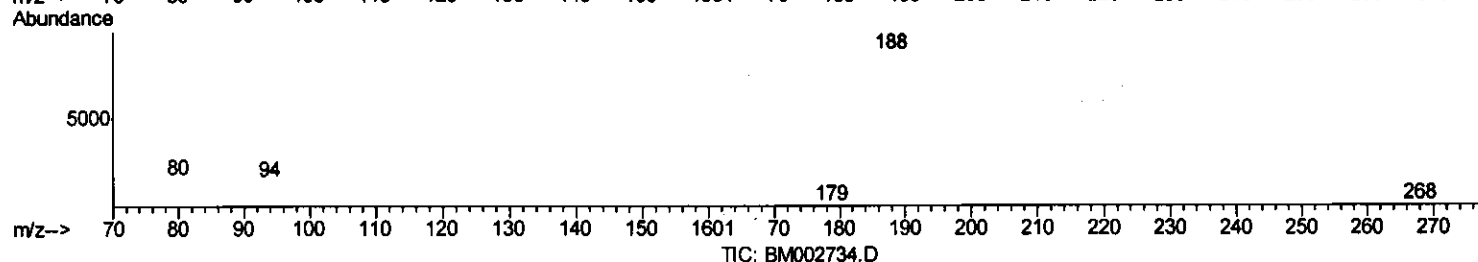
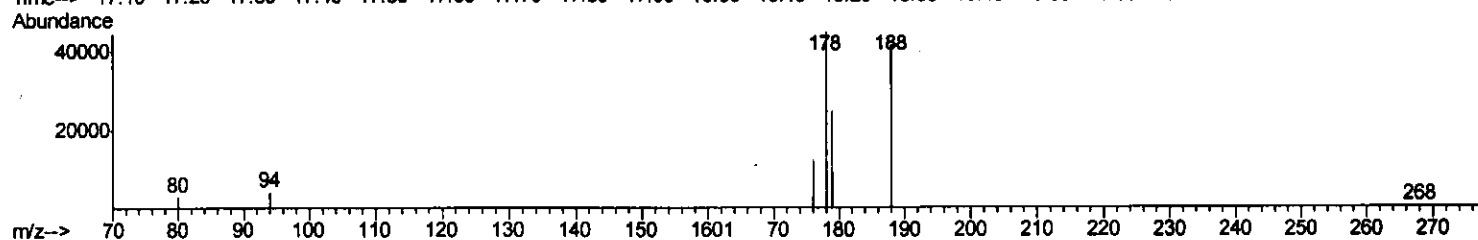
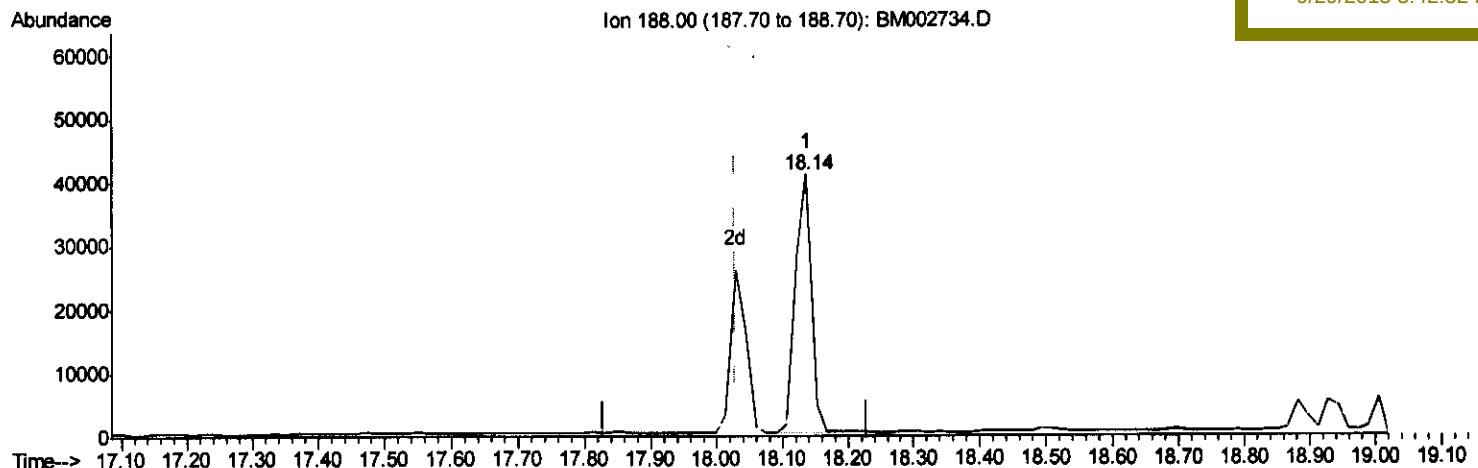
Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
Data File : BM002734.D
Acq On : 28 Sep 2015 15:26
Operator : UM/IZ
Sample : G3798-13
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9G67

Quant Time: Sep 29 04:02:55 2015
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(12) Phenanthrene-d10 (I)

18.138min (+0.108) 0.40ng/ul

response 69143

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	10.05
80.00	8.90	7.28
0.00	0.00	0.00

Quantitation Report (Qedit)

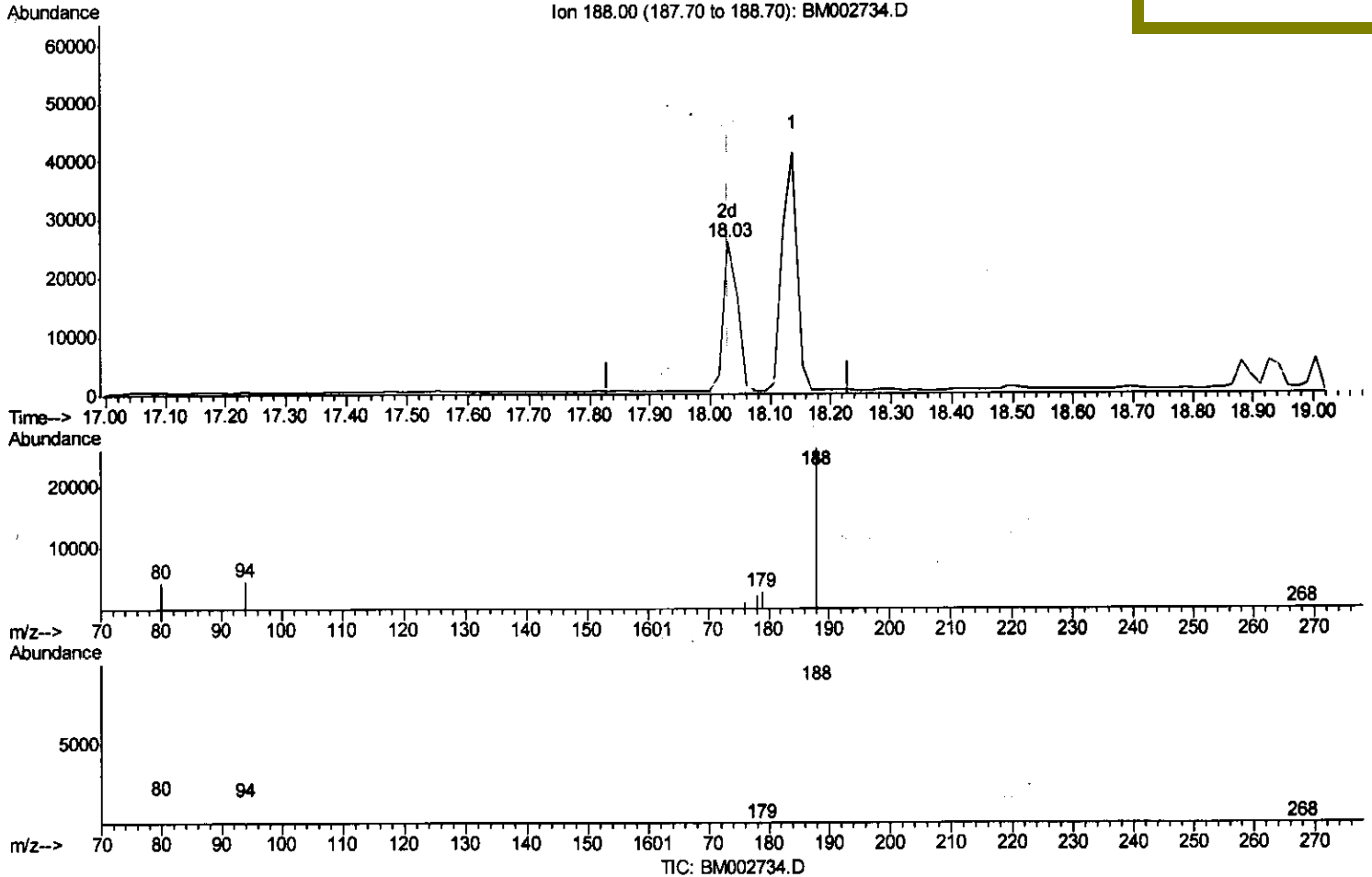
Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
 Data File : BM002734.D
 Acq On : 28 Sep 2015 15:26
 Operator : UM/IZ
 Sample : G3798-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA M
 ClientSampleId :
 D9G67

Quant Time: Sep 29 04:02:55 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 3:42:32 PM



(12) Phenanthrene-d10 (I)

18.030min (-0.000) 0.40ng/ul m

response 42536

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	17.76#
80.00	8.90	17.09#
0.00	0.00	0.00

> U.M
 09/30/15

Quantitation Report (Qedit)

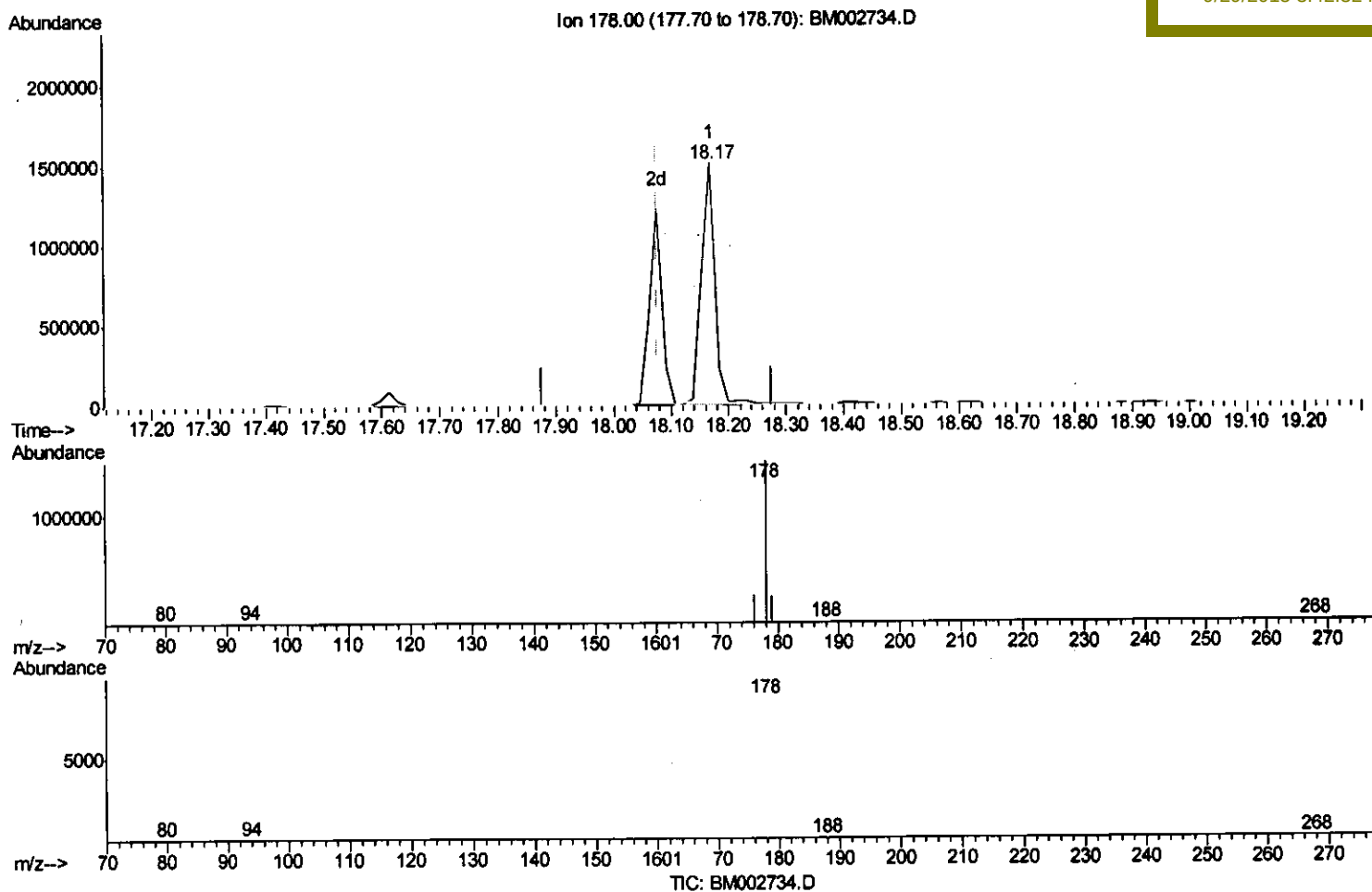
Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
Data File : BM002734.D
Acq On : 28 Sep 2015 15:26
Operator : UM/IZ
Sample : G3798-13
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9G67

Quant Time: Sep 29 04:05:17 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
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(14) Phenanthrene

18.169min (+0.093) 17.72ng/ul

response 2452496

Ion	Exp%	Act%
178.00	100	100
176.00	20.30	17.00
179.00	16.00	16.39
0.00	0.00	0.00

Quantitation Report (Qedit)

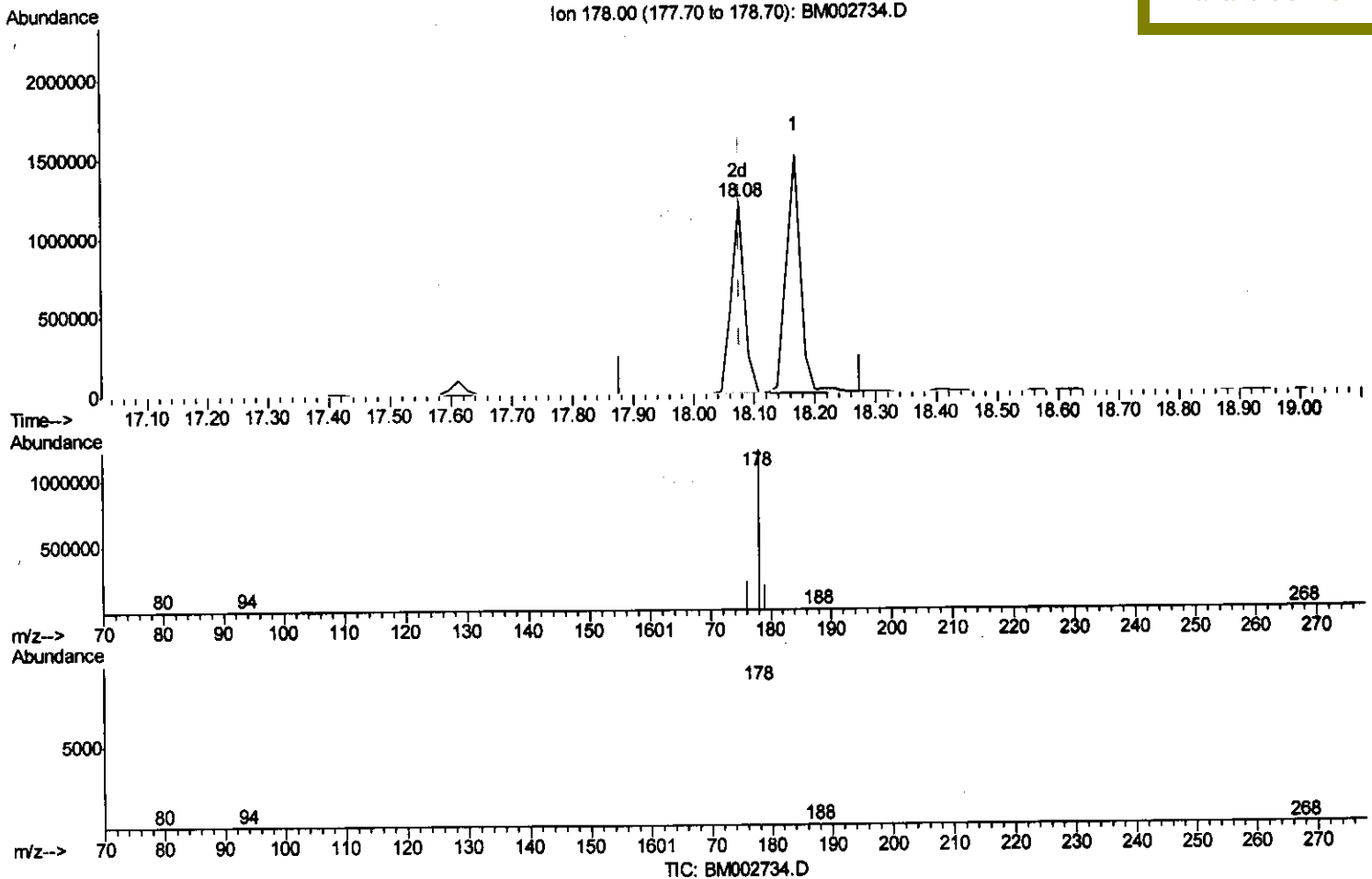
Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
 Data File : BM002734.D
 Acq On : 28 Sep 2015 15:26
 Operator : UM/IZ
 Sample : G3798-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67

Quant Time: Sep 29 04:05:17 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

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 9/29/2015 3:42:32 PM



(14) Phenanthrene

18.076min (-0.000) 13.27ng/ul m

response 1836829

Ion	Exp%	Act%
178.00	100	100
176.00	20.30	18.02
179.00	16.00	15.93
0.00	0.00	0.00

> U.M
 09/30/15

Quantitation Report (Qedit)

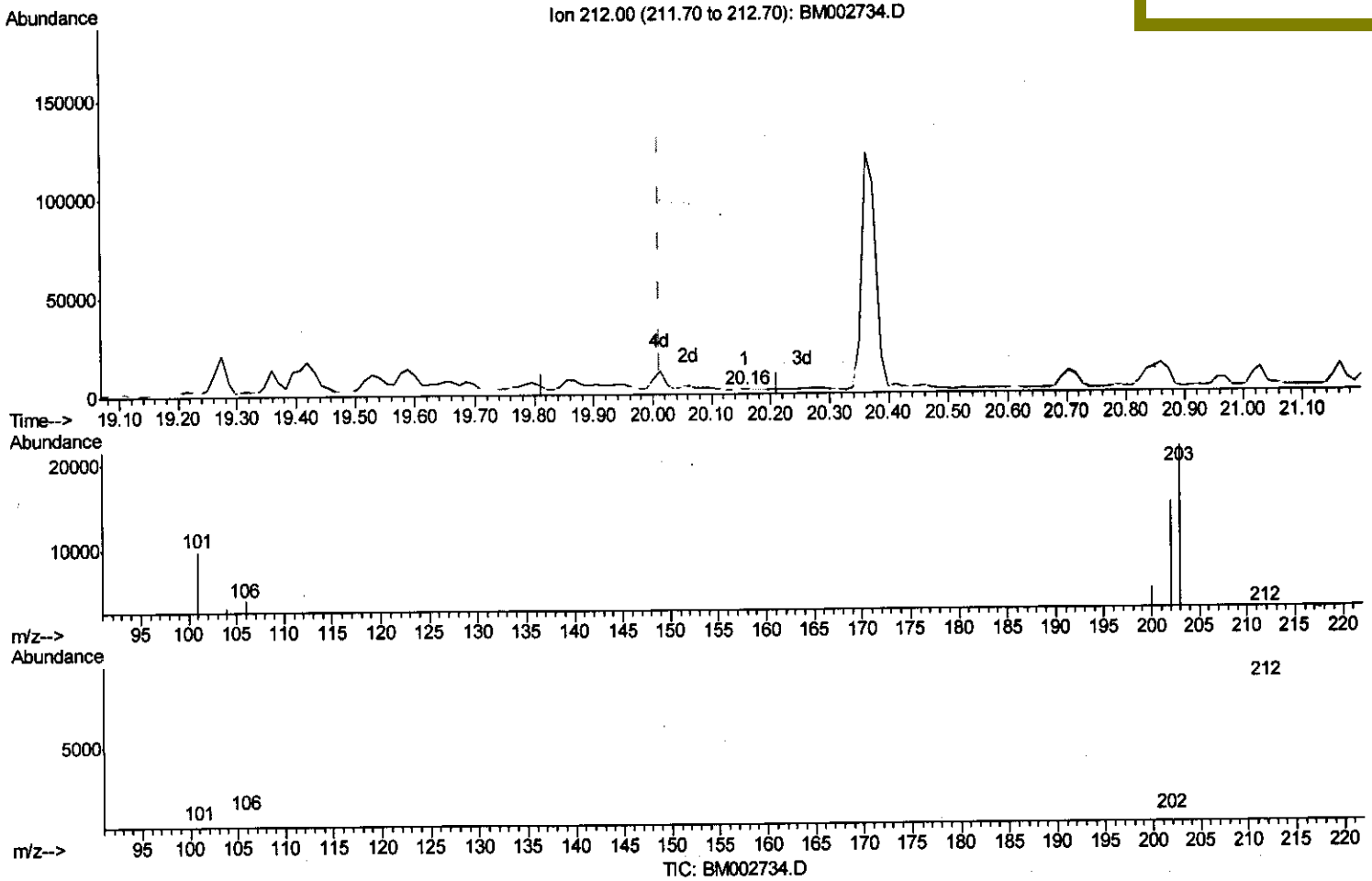
Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
 Data File : BM002734.D
 Acq On : 28 Sep 2015 15:26
 Operator : UM/IZ
 Sample : G3798-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67

Quant Time: Sep 29 04:05:17 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

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(16) Fluoranthene-d10 (SURR)

20.157min (+0.145) 0.01ng/ul

response 1288

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	0.00#
104.00	10.80	195.89#
0.00	0.00	0.00

Quantitation Report (Qedit)

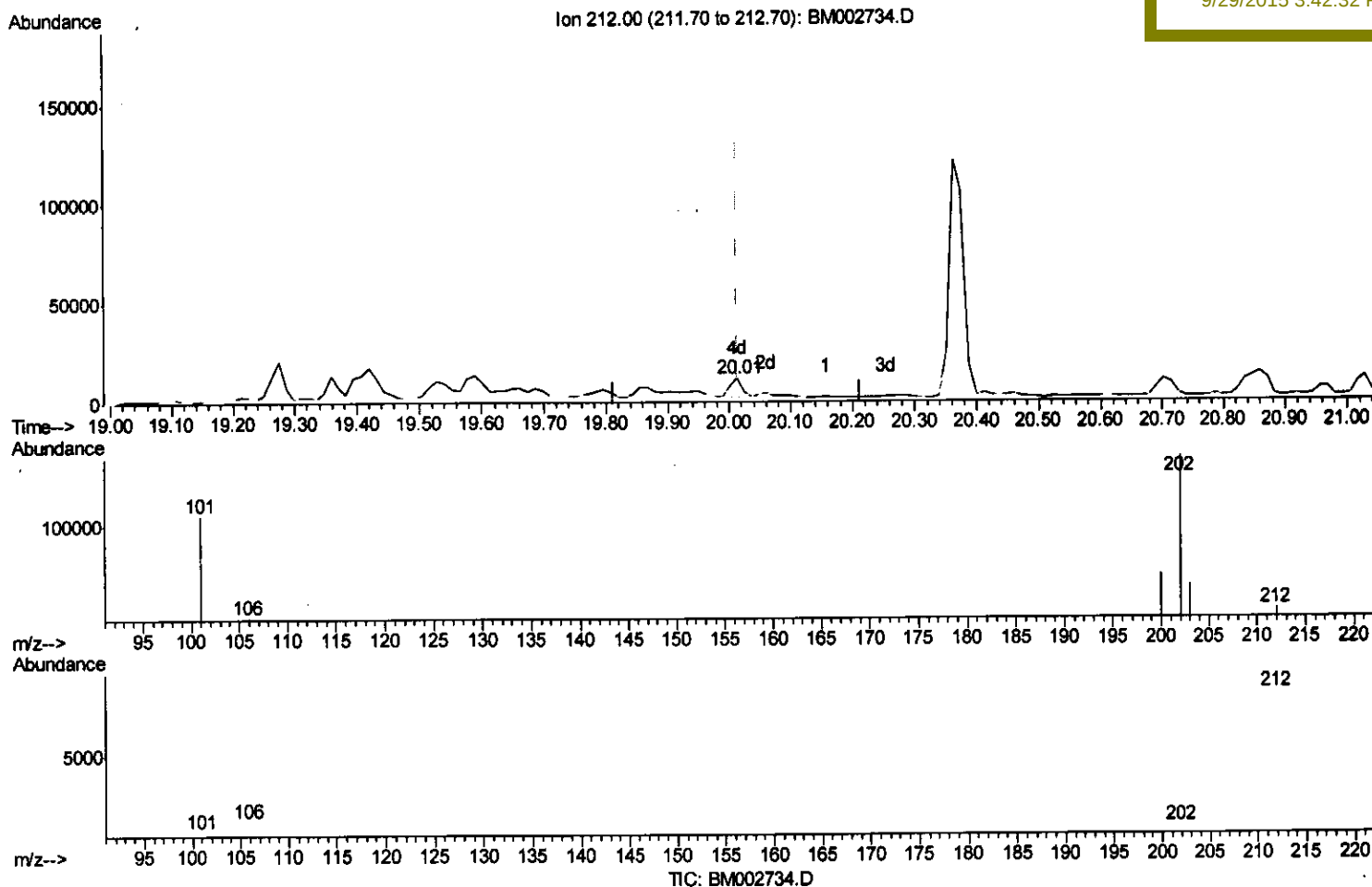
Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
Data File : BM002734.D
Acq On : 28 Sep 2015 15:26
Operator : UM/IZ
Sample : G3798-13
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9G67

Quant Time: Sep 29 04:05:17 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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(16) Fluoranthene-d10 (SURR)

20.012min (-0.000) 0.12ng/ul m

response 12927

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	0.00#
104.00	10.80	19.52#
0.00	0.00	0.00

> U.M
09/30/15

Quantitation Report (Qedit)

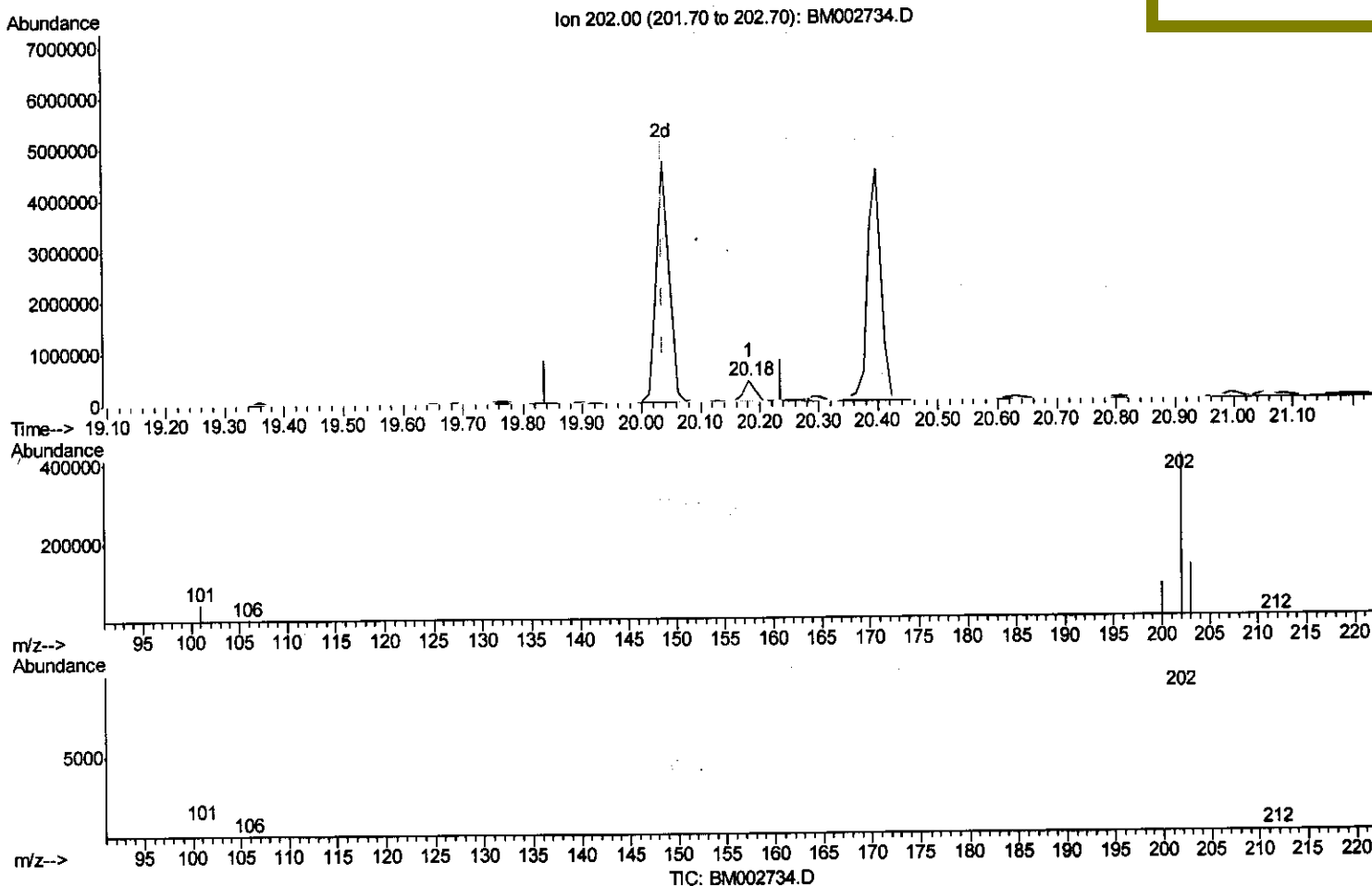
Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
 Data File : BM002734.D
 Acq On : 28 Sep 2015 15:26
 Operator : UM/IZ
 Sample : G3798-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67

Quant Time: Sep 29 04:05:17 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

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(17) Fluoranthene (C)

20.182min (+0.145) 3.62ng/ul

response 545671

Ion	Exp%	Act%
202.00	100	100
101.00	13.10	10.61
203.00	17.20	31.72
0.00	0.00	0.00

Quantitation Report (Qedit)

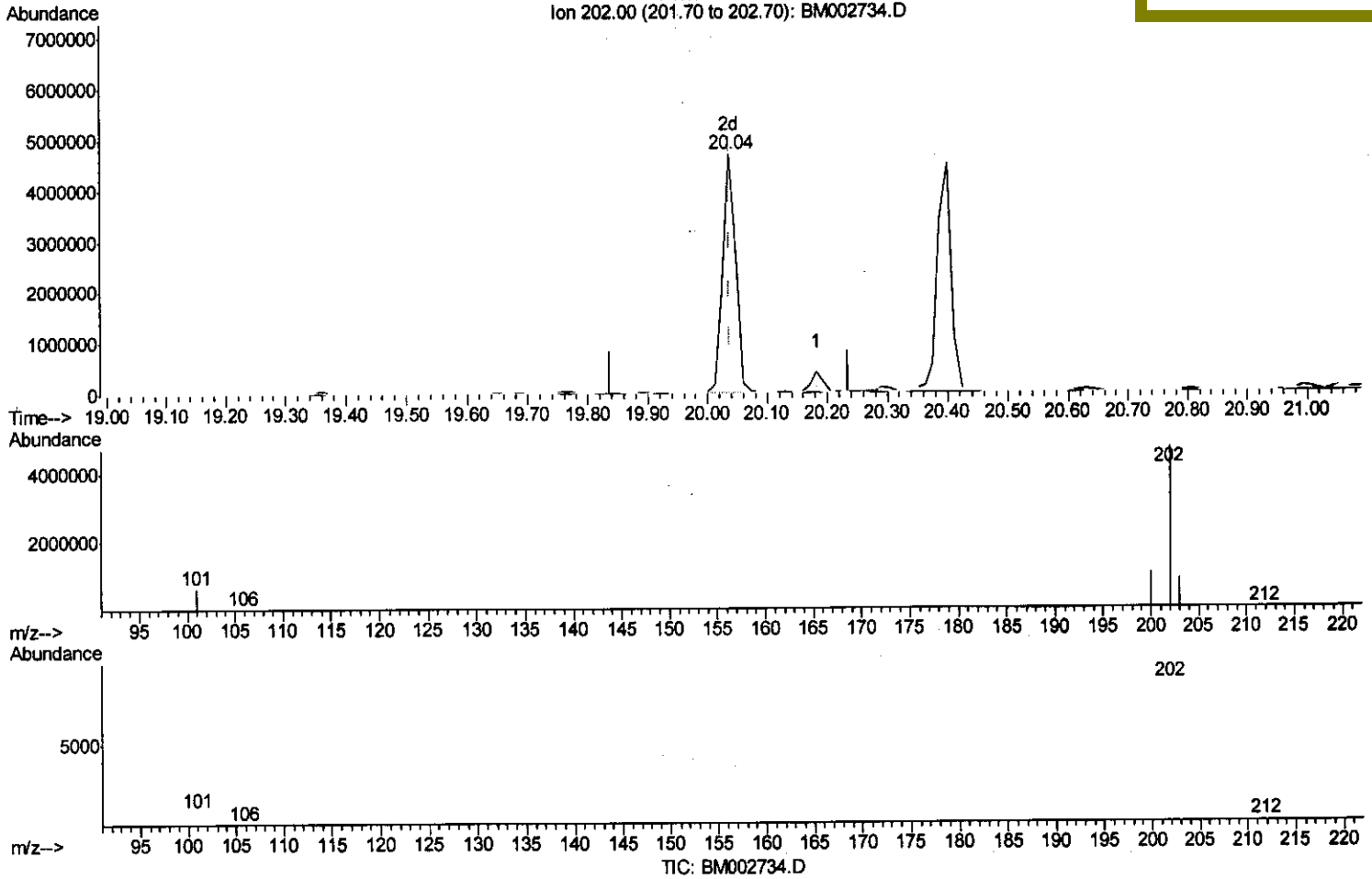
Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
 Data File : BM002734.D
 Acq On : 28 Sep 2015 15:26
 Operator : UM/IZ
 Sample : G3798-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67

Manual Integrations
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Quant Time: Sep 29 04:05:17 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



(17) Fluoranthene (C)

20.036min (-0.000) 46.28ng/ul m

response 6967480

Ion	Exp%	Act%
202.00	100	100
101.00	13.10	13.07
203.00	17.20	18.05
0.00	0.00	0.00

U.M
 09/30/15

Quantitation Report (Qedit)

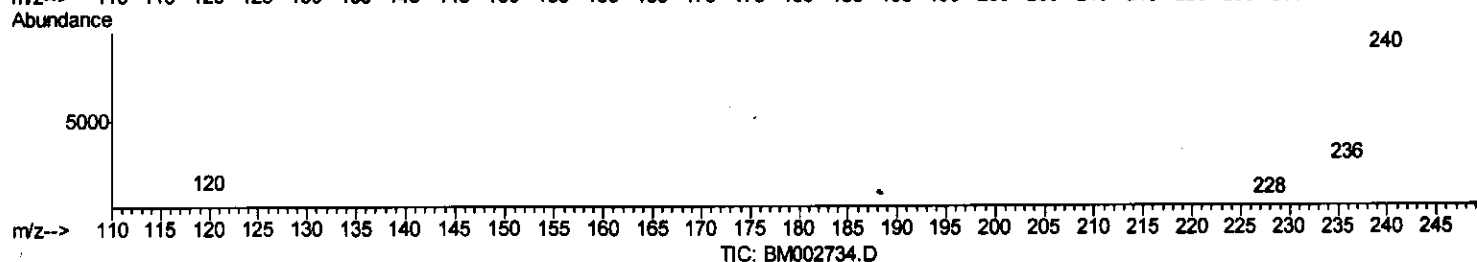
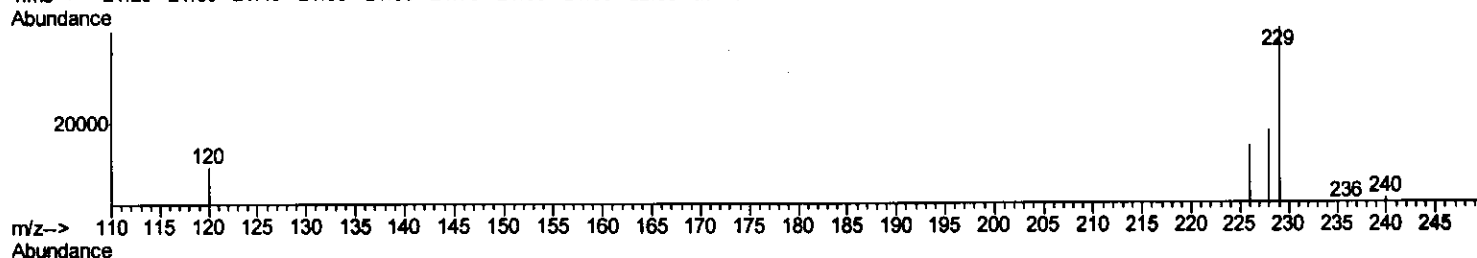
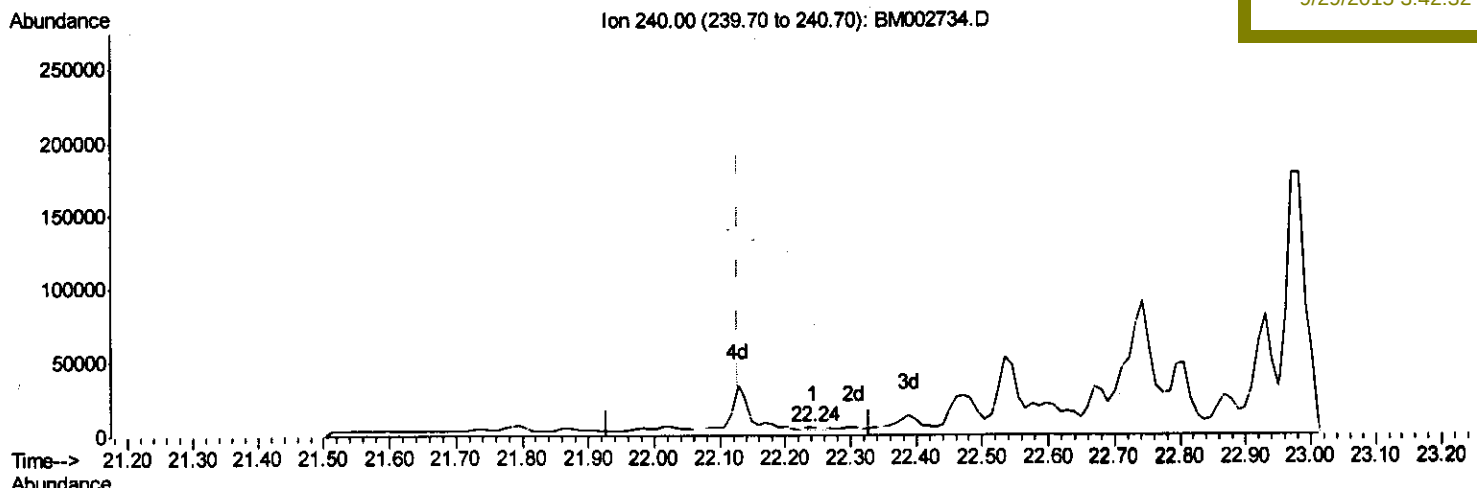
Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
 Data File : BM002734.D
 Acq On : 28 Sep 2015 15:26
 Operator : UM/IZ
 Sample : G3798-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67

Quant Time: Sep 29 04:05:17 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Manual Integrations
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(18) Chrysene-d12 (I)

22.242min (+0.115) 0.40ng/ul

response 2189

Ion	Exp%	Act%
240.00	100	100
120.00	15.00	203.45#
236.00	30.00	85.69#
0.00	0.00	0.00

Quantitation Report (Qedit)

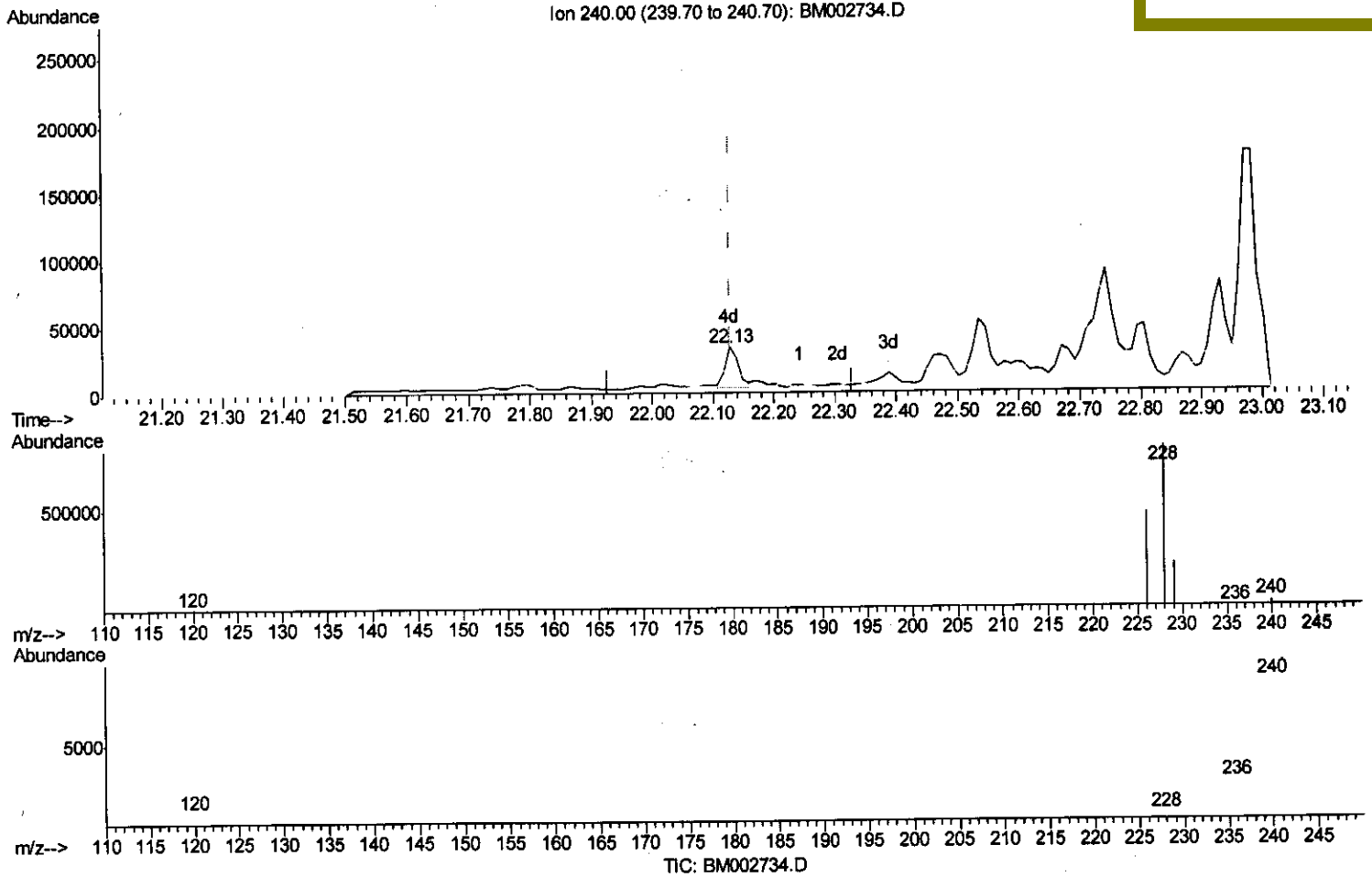
Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
 Data File : BM002734.D
 Acq On : 28 Sep 2015 15:26
 Operator : UM/IZ
 Sample : G3798-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 D9G67

Quant Time: Sep 29 04:05:17 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Manual Integrations
 APPROVED

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(18) Chrysene-d12 (I)

22.127min (-0.000) 0.40ng/ul m

response 43480

Ion	Exp%	Act%
240.00	100	100
120.00	15.00	47.62#
236.00	30.00	36.18#
0.00	0.00	0.00

> U.M
 09/30/15

Quantitation Report (Qedit)

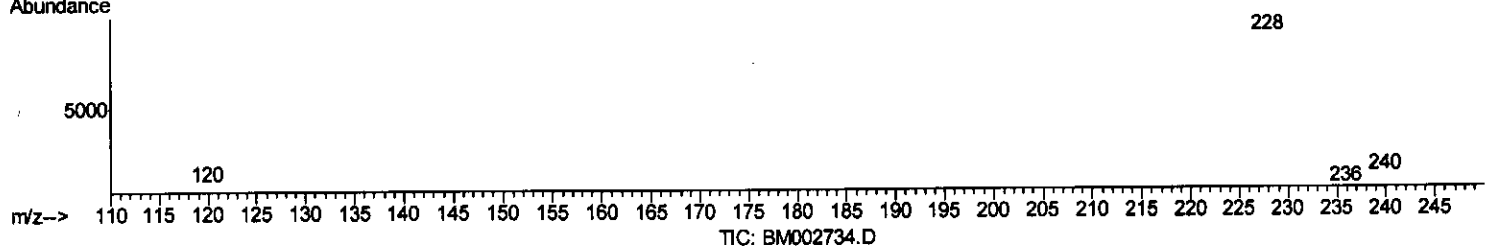
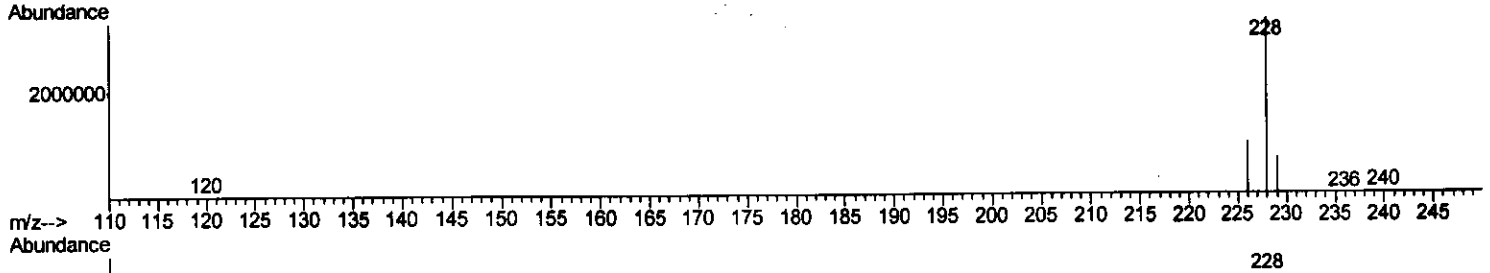
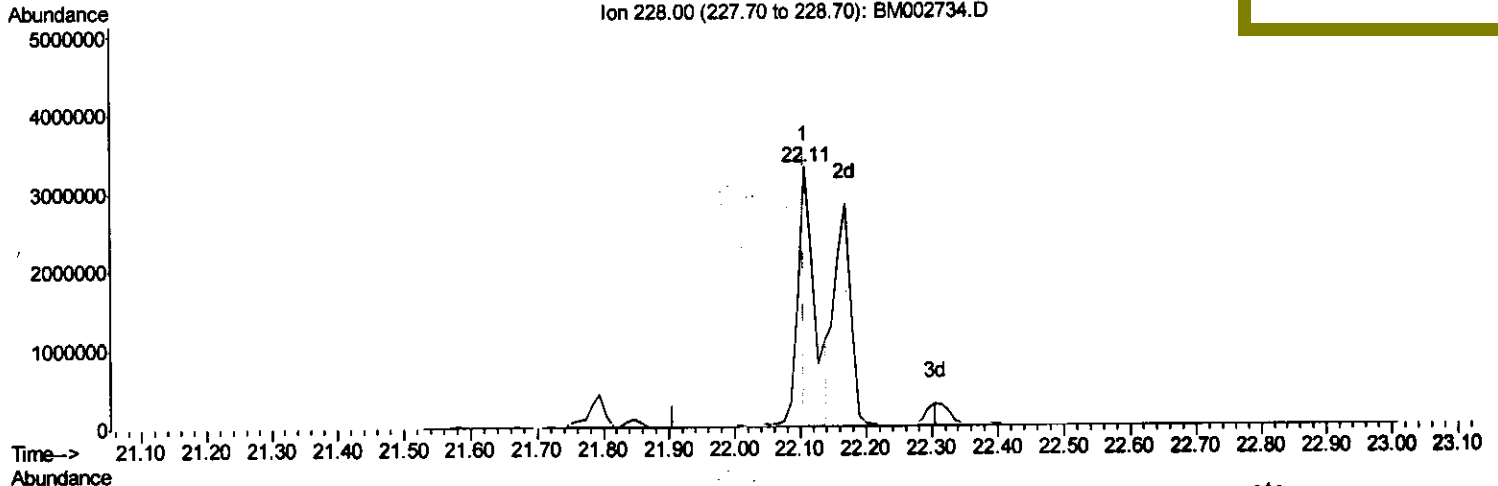
Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
 Data File : BM002734.D
 Acq On : 28 Sep 2015 15:26
 Operator : UM/IZ
 Sample : G3798-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67

Quant Time: Sep 29 04:08:49 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 APPROVED

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 9/29/2015 3:42:32 PM



(20) Benzo(a)anthracene

22.107min (-0.000) 40.00ng/ul

response 5812213

Ion	Exp%	Act%
228.00	100	100
226.00	28.70	29.37
229.00	19.00	20.54
0.00	0.00	0.00

Quantitation Report (Qedit)

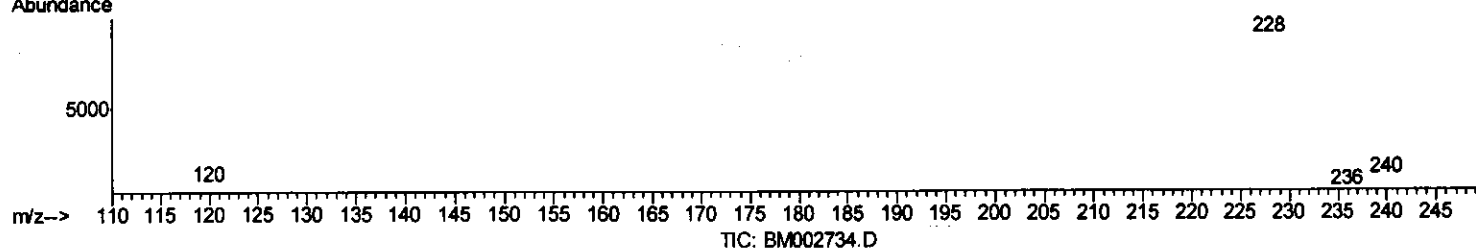
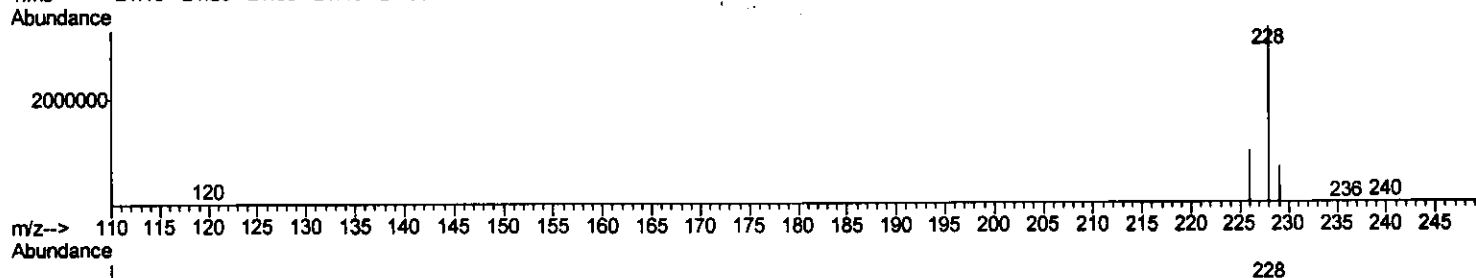
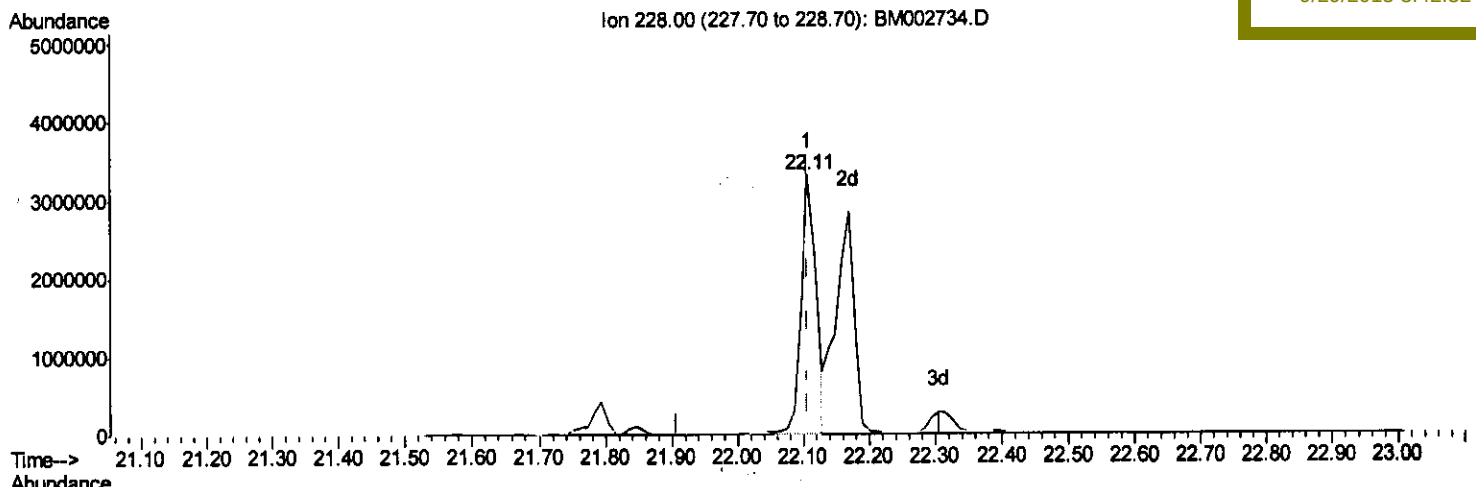
Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
 Data File : BM002734.D
 Acq On : 28 Sep 2015 15:26
 Operator : UM/IZ
 Sample : G3798-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Quant Time: Sep 29 04:08:49 2015
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Manual Integrations
 APPROVED

MMDadoda
 9/29/2015 3:42:32 PM



(20) Benzo(a)anthracene

22.107min (-0.000) 36.52ng/ul m

response 5306400

> U.M
 09/30/15

Ion	Exp%	Act%
228.00	100	100
226.00	28.70	29.37
229.00	19.00	20.54
0.00	0.00	0.00

Quantitation Report (Qedit)

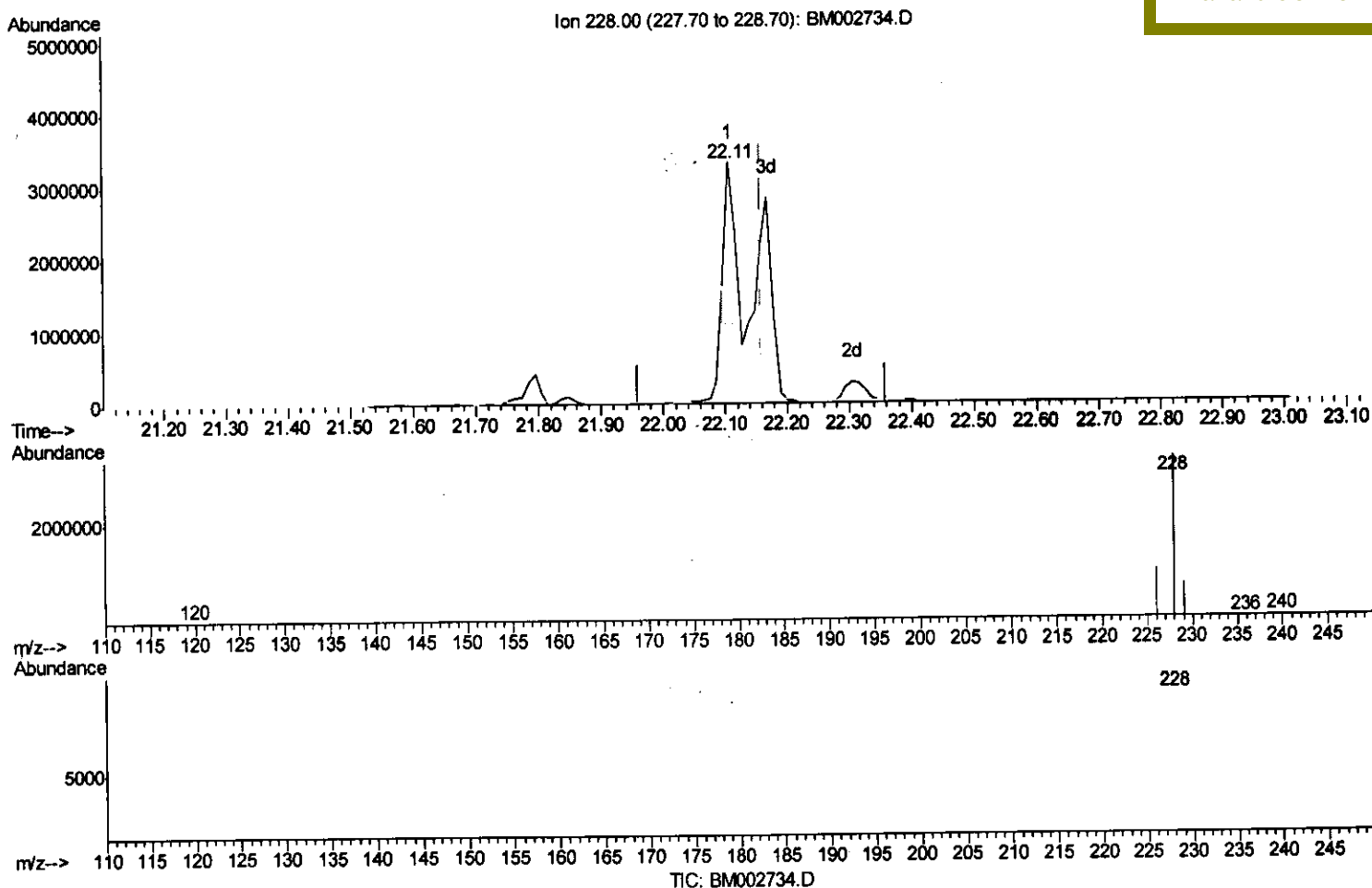
Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
Data File : BM002734.D
Acq On : 28 Sep 2015 15:26
Operator : UM/IZ
Sample : G3798-13
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9G67

Quant Time: Sep 29 04:08:49 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 3:42:32 PM



(21) Chrysene

22.107min (-0.052) 14.19ng/ul

response 1973829

Ion	Exp%	Act%
228.00	100	100
226.00	32.10	29.37
229.00	19.00	20.54
0.00	0.00	0.00

Quantitation Report (Qedit)

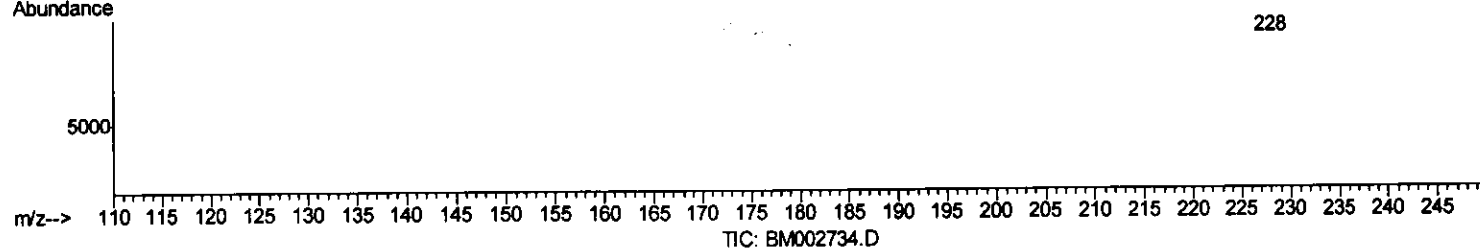
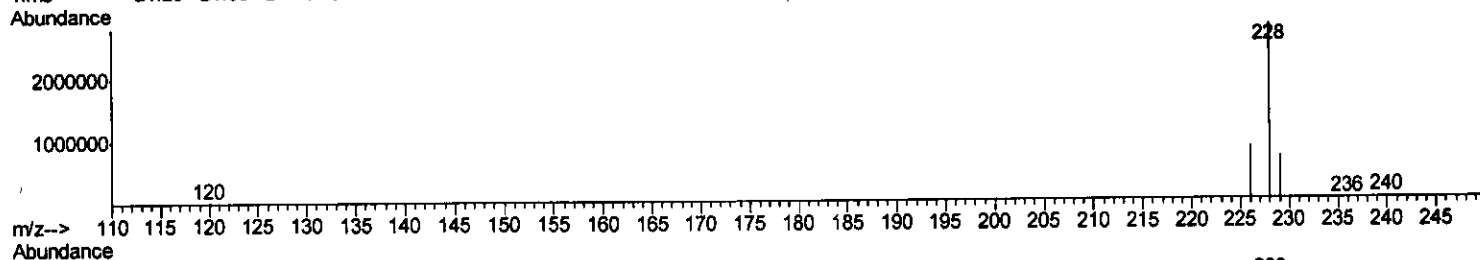
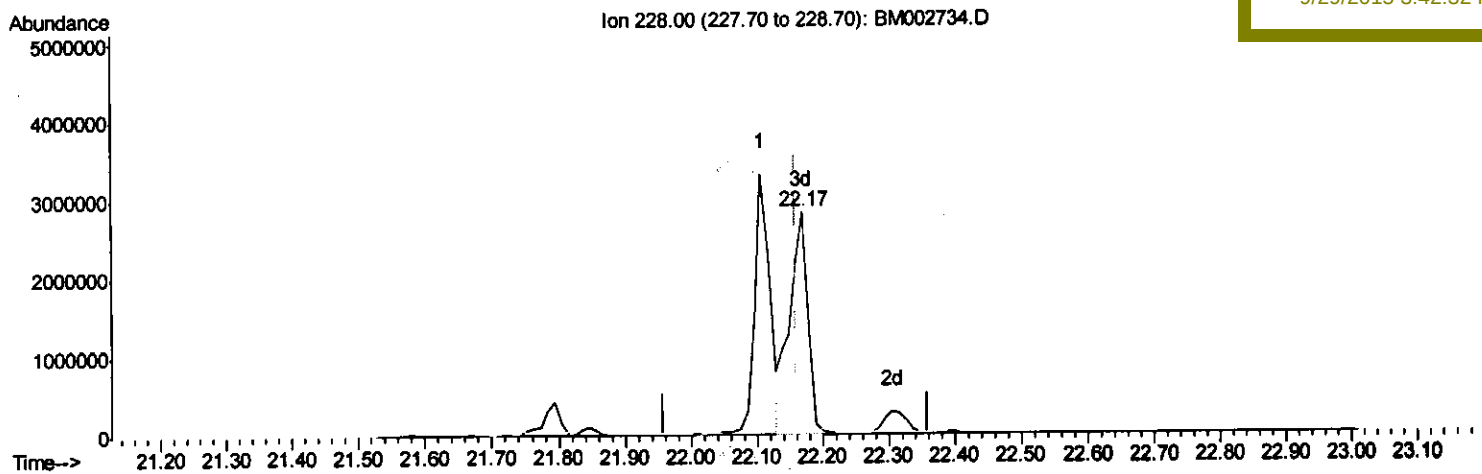
Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
 Data File : BM002734.D
 Acq On : 28 Sep 2015 15:26
 Operator : UM/IZ
 Sample : G3798-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67

Quant Time: Sep 29 04:08:49 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 3:42:32 PM



(21) Chrysene

22.169min (+0.010) 39.39ng/ul m

response 5478289

Ion Exp% Act%

228.00 100 100

226.00 32.10 29.95

229.00 19.00 23.89#

0.00 0.00 0.00

20.0
09/30/15

Quantitation Report (Qedit)

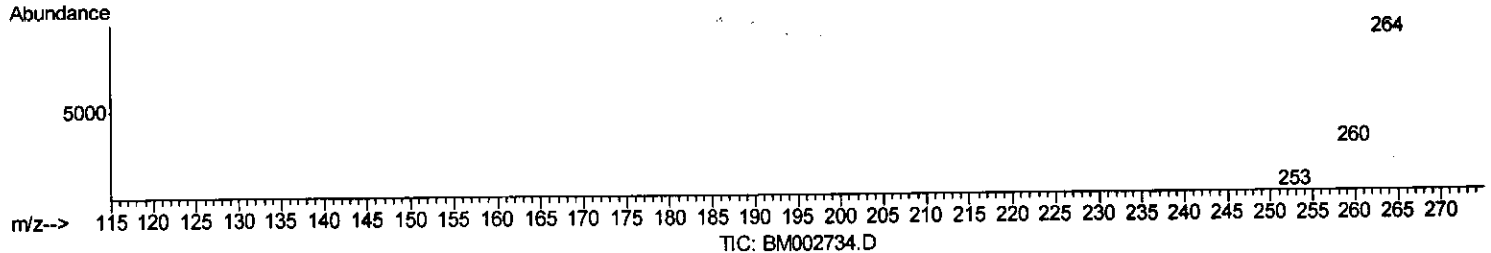
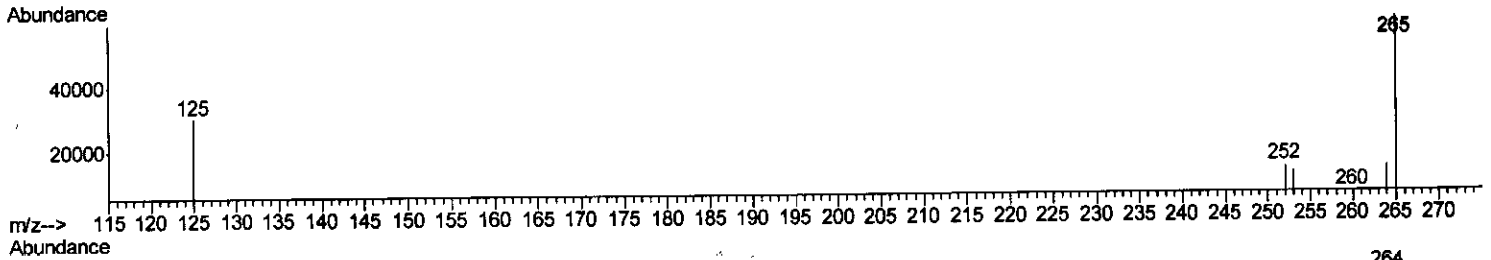
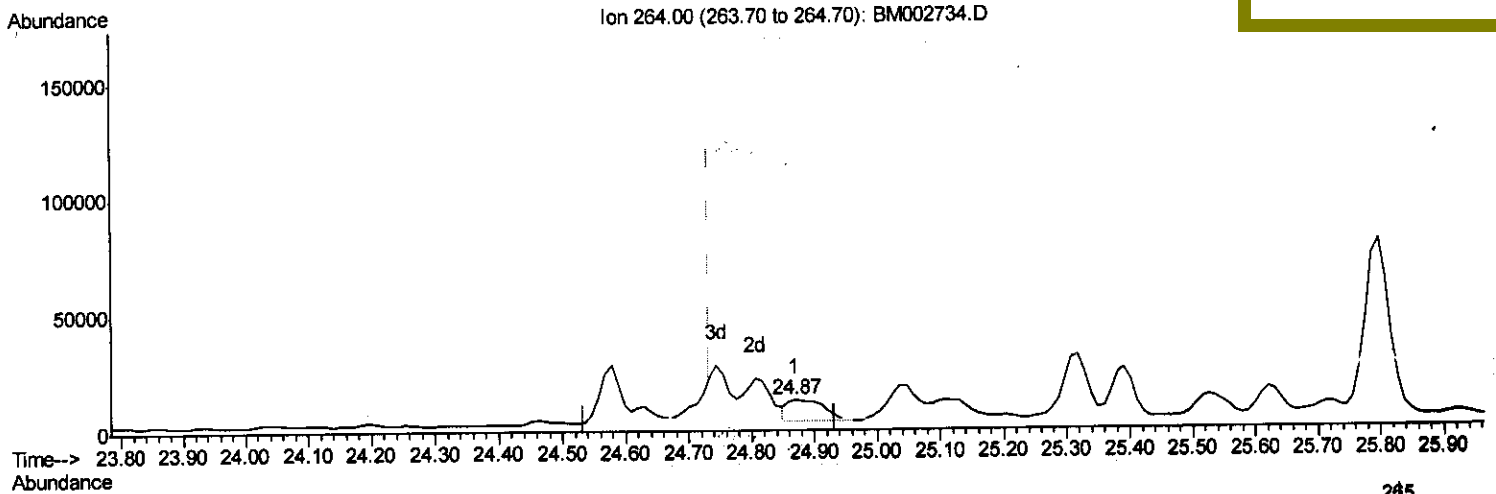
Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
 Data File : BM002734.D
 Acq On : 28 Sep 2015 15:26
 Operator : UM/IZ
 Sample : G3798-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67

Quant Time: Sep 29 04:08:49 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 3:42:32 PM



(22) Perylene-d12 (I)

24.869min (+0.135) 0.40ng/ul

response 36697

Ion	Exp%	Act%
264.00	100	100
260.00	28.90	40.69#
265.00	34.70	447.06#
0.00	0.00	0.00

Quantitation Report (Qedit)

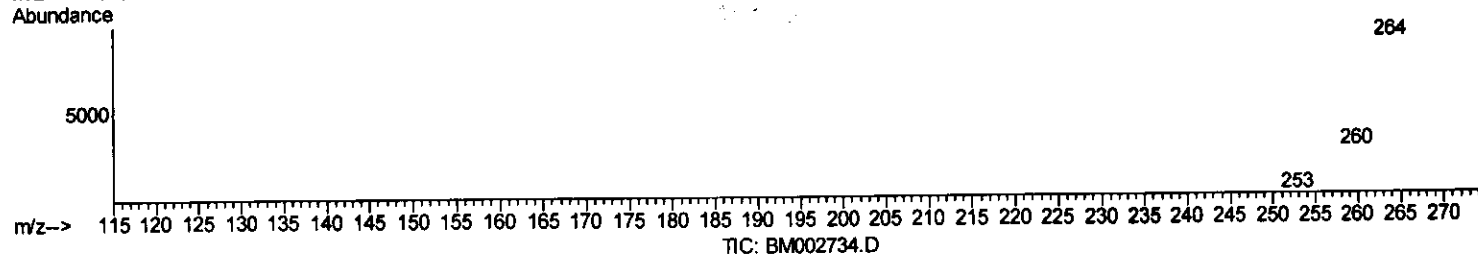
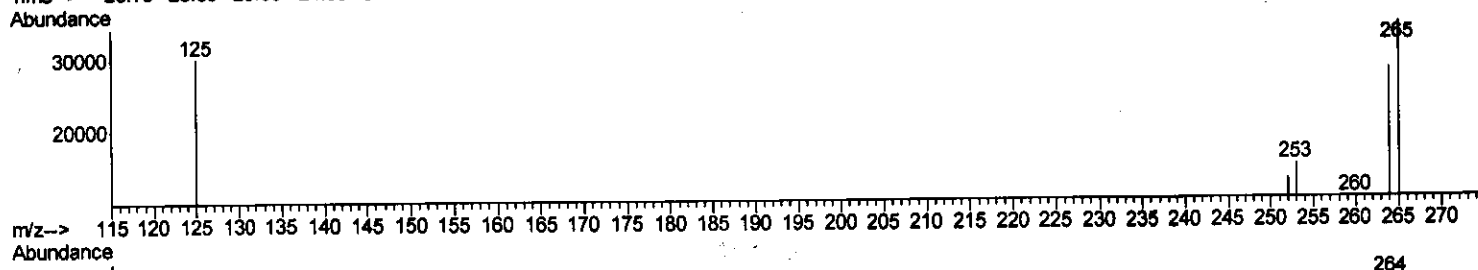
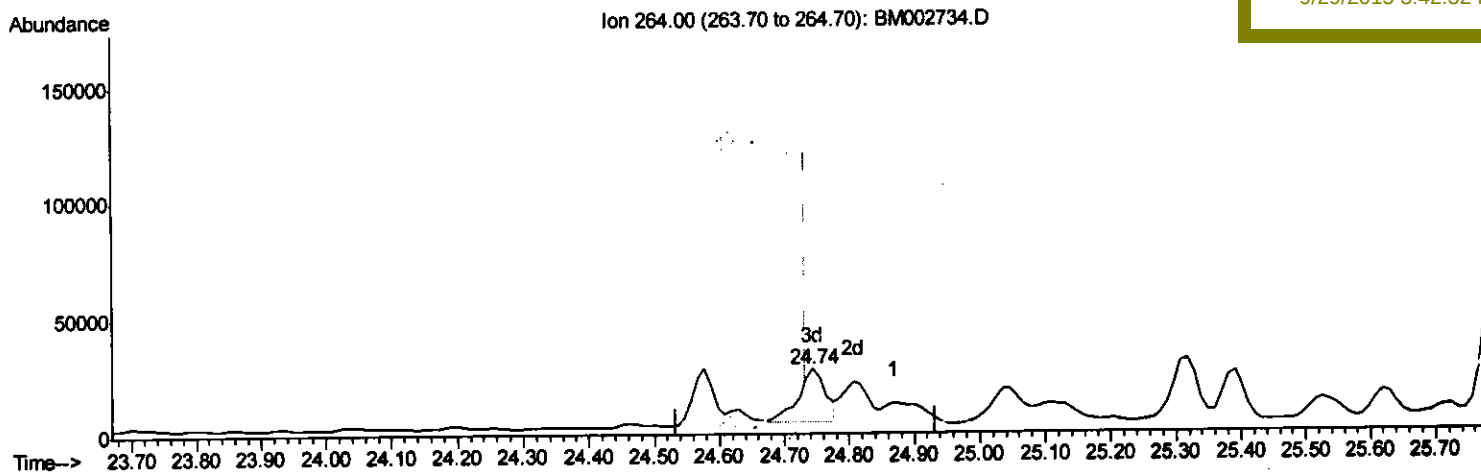
Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
 Data File : BM002734.D
 Acq On : 28 Sep 2015 15:26
 Operator : UM/IZ
 Sample : G3798-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67

Quant Time: Sep 29 04:08:49 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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(22) Perylene-d12 (I)

24.744min (+0.010) 0.40ng/ui m

response 67998

Ion	Exp%	Act%
264.00	100	100
260.00	28.90	36.44#
265.00	34.70	123.09#
0.00	0.00	0.00

> U.M
09/30/15

Quantitation Report (Qedit)

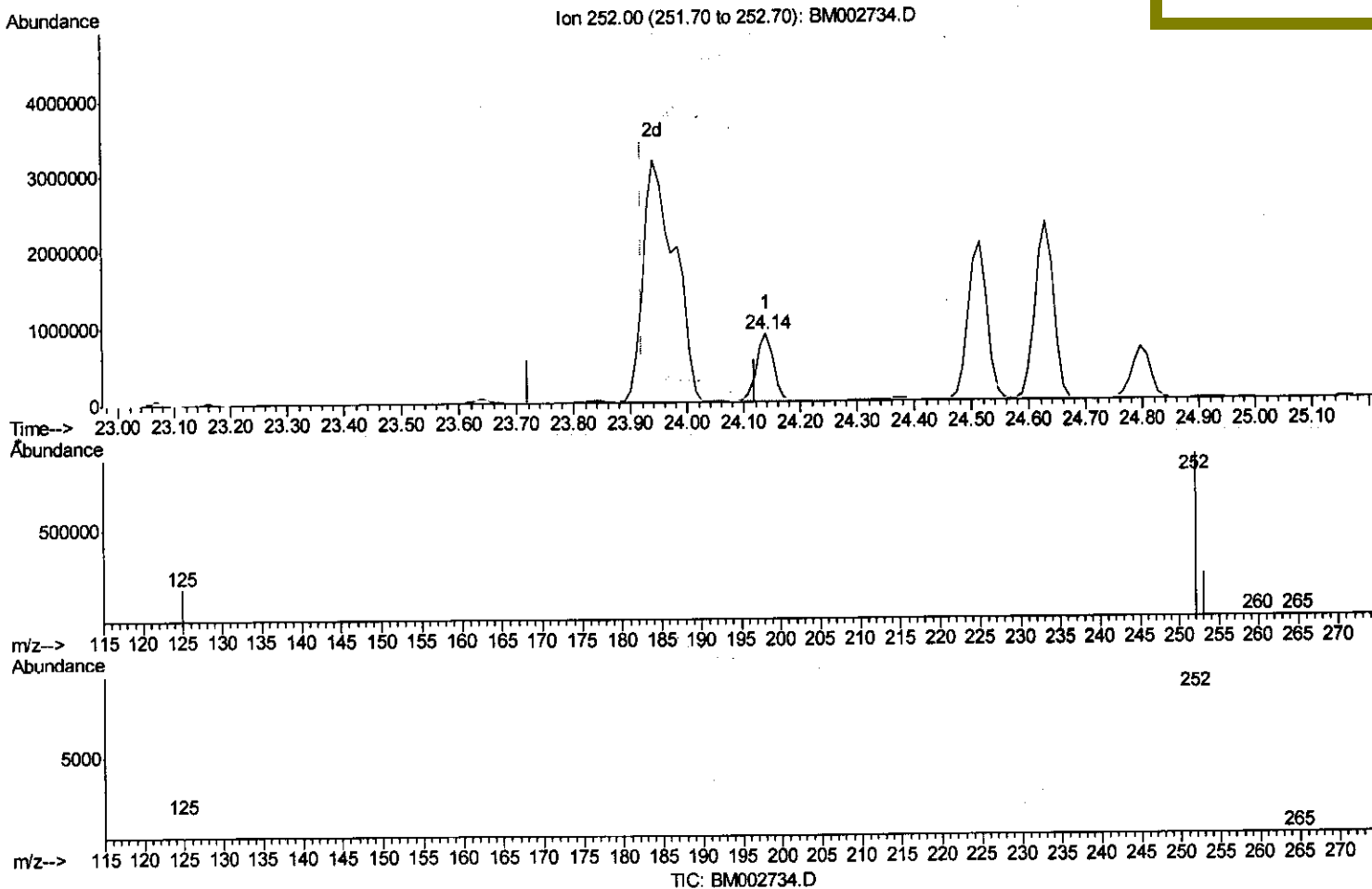
Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
 Data File : BM002734.D
 Acq On : 28 Sep 2015 15:26
 Operator : UM/IZ
 Sample : G3798-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67

Quant Time: Sep 29 04:11:05 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 3:42:32 PM



(23) Benzo(b)fluoranthene

24.139min (+0.219) 7.42ng/ul

response 1818893

Ion	Exp%	Act%
252.00	100	100
253.00	24.00	26.50
125.00	18.30	20.11
0.00	0.00	0.00

Quantitation Report (Qedit)

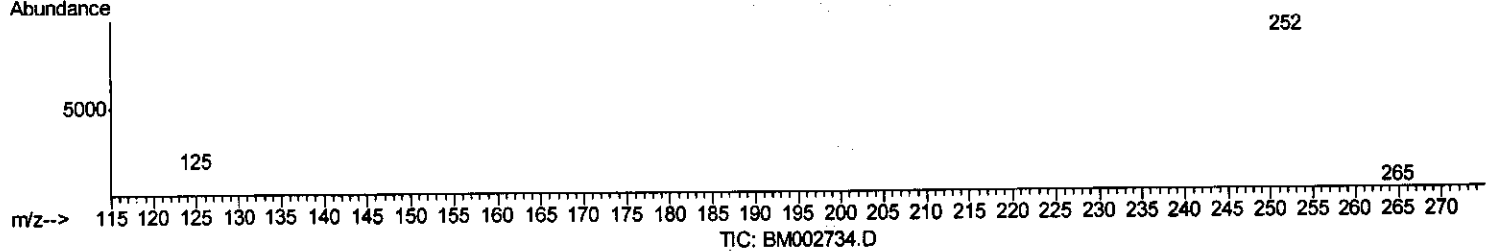
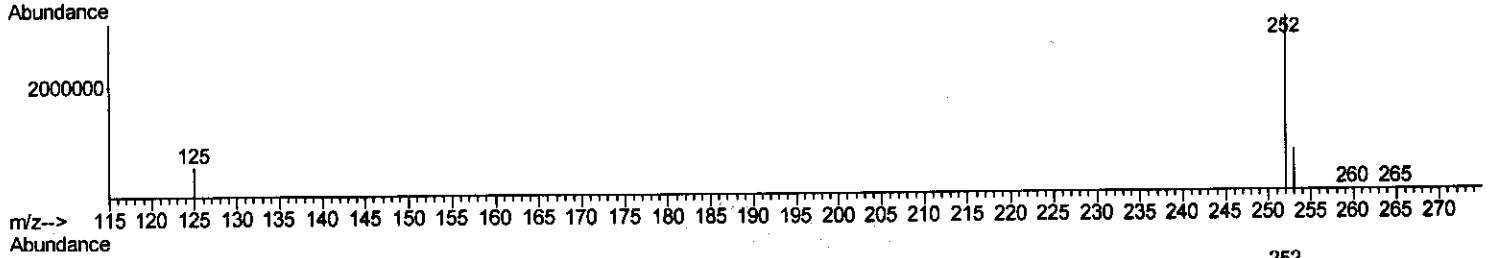
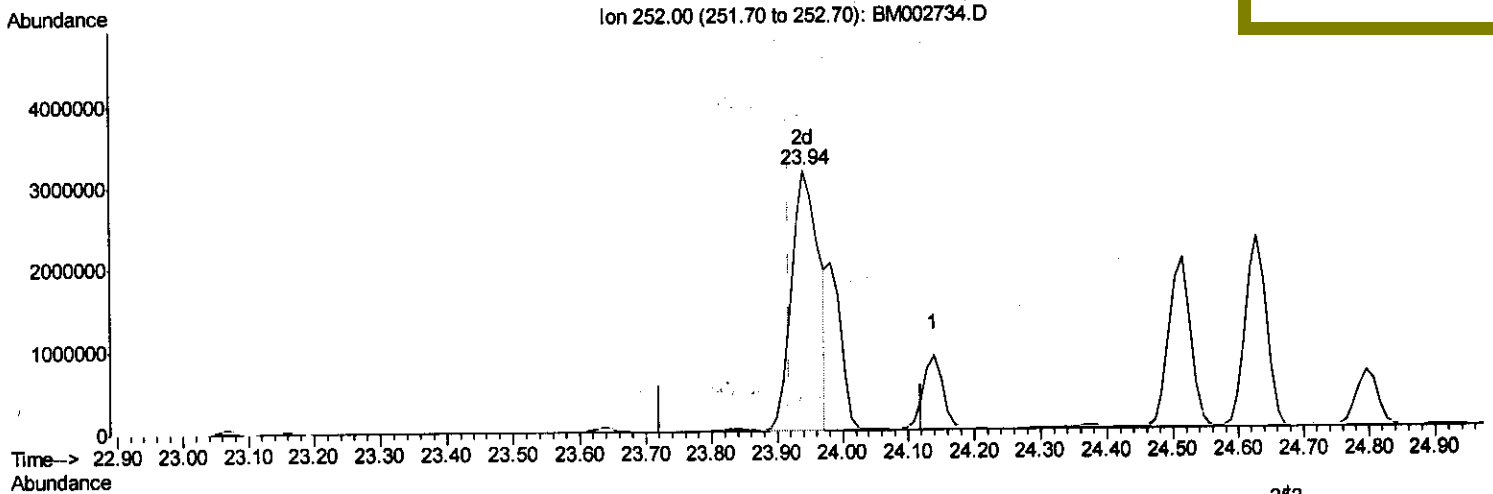
Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
 Data File : BM002734.D
 Acq On : 28 Sep 2015 15:26
 Operator : UM/IZ
 Sample : G3798-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67

Quant Time: Sep 29 04:11:05 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 3:42:32 PM



(23) Benzo(b)fluoranthene

23.941min (+0.021) 38.48ng/ul m

response 9433741

Ion	Exp%	Act%
252.00	100	100
253.00	24.00	23.33
125.00	18.30	17.15
0.00	0.00	0.00

> U.M
09/29/15

Quantitation Report (Qedit)

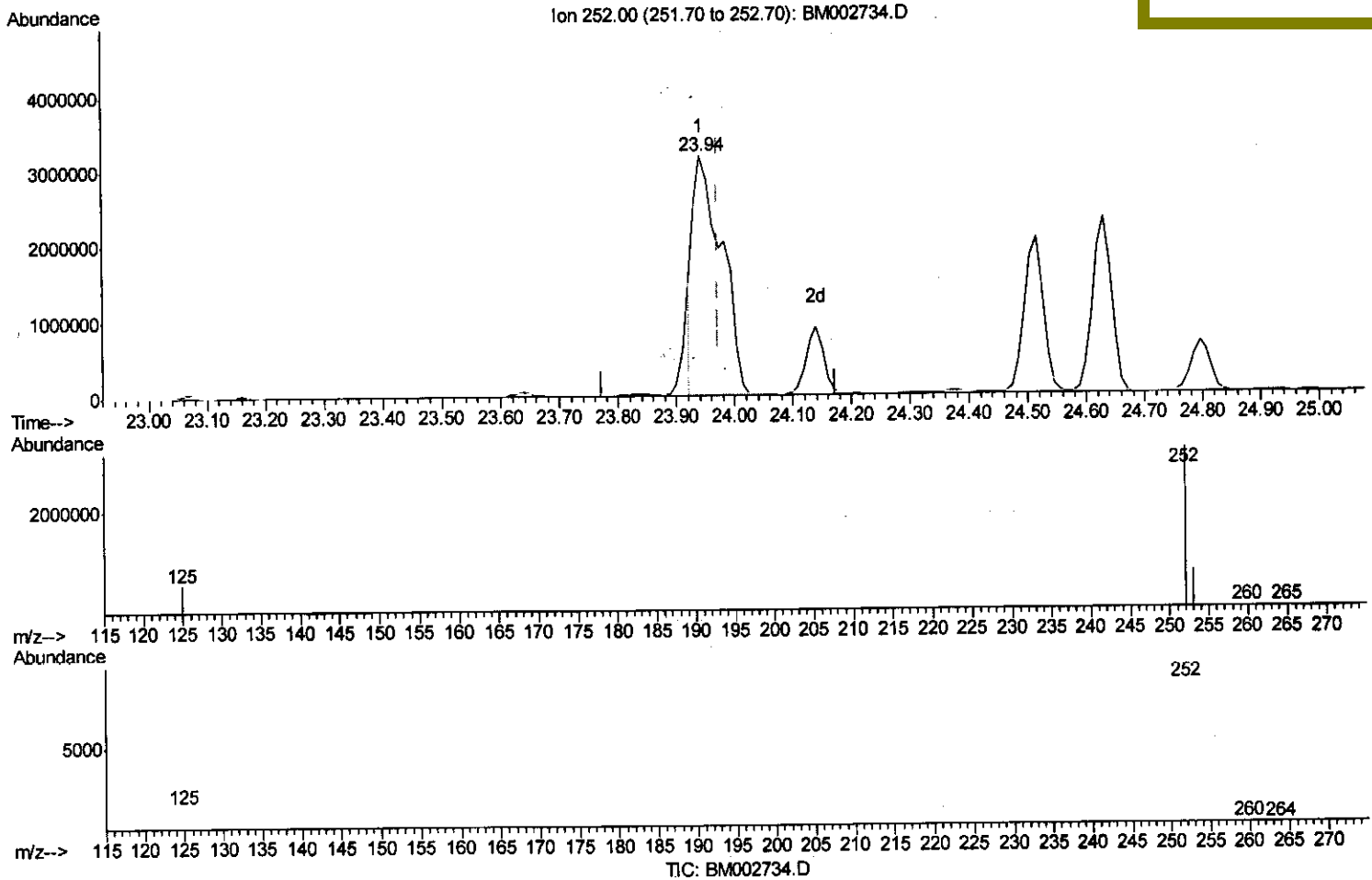
Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
 Data File : BM002734.D
 Acq On : 28 Sep 2015 15:26
 Operator : UM/IZ
 Sample : G3798-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 D9G67

Quant Time: Sep 29 04:11:05 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 3:42:32 PM



(24) Benzo(k)fluoranthene

23.941min (-0.031) 47.50ng/ul

response 10787091

Ion	Exp%	Act%
252.00	100	100
253.00	26.00	23.33
125.00	15.30	17.15
0.00	0.00	0.00

Quantitation Report (Qedit)

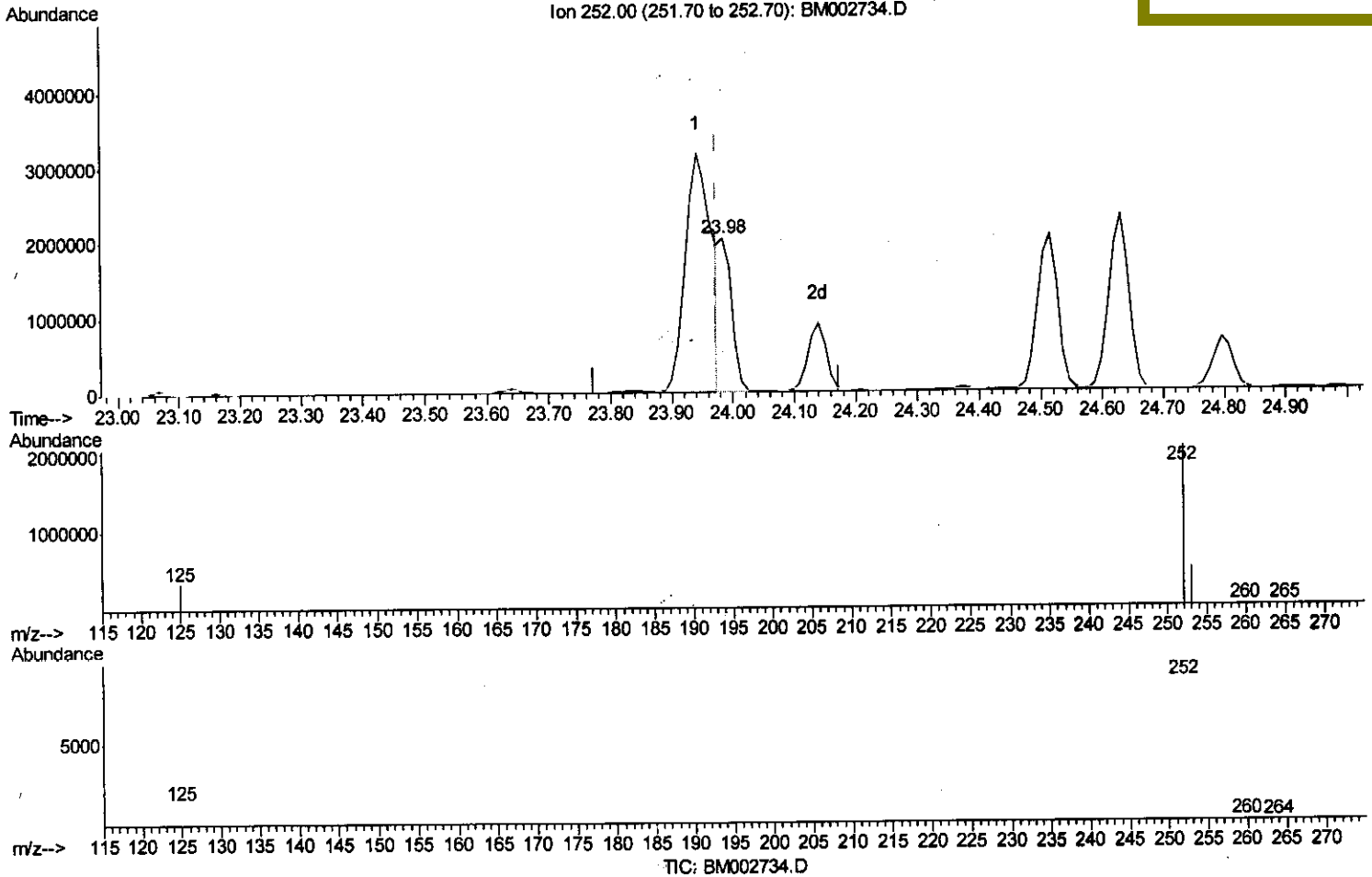
Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
 Data File : BM002734.D
 Acq On : 28 Sep 2015 15:26
 Operator : UM/IZ
 Sample : G3798-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67

Quant Time: Sep 29 04:11:05 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 3:42:32 PM



(24) Benzo(k)fluoranthene

23.983min (+0.010) 12.54ng/ul m

response 2848507

Ion	Exp%	Act%
252.00	100	100
253.00	26.00	23.80
125.00	15.30	16.36
0.00	0.00	0.00

> U.M
 09/30/15

Quantitation Report (Qedit)

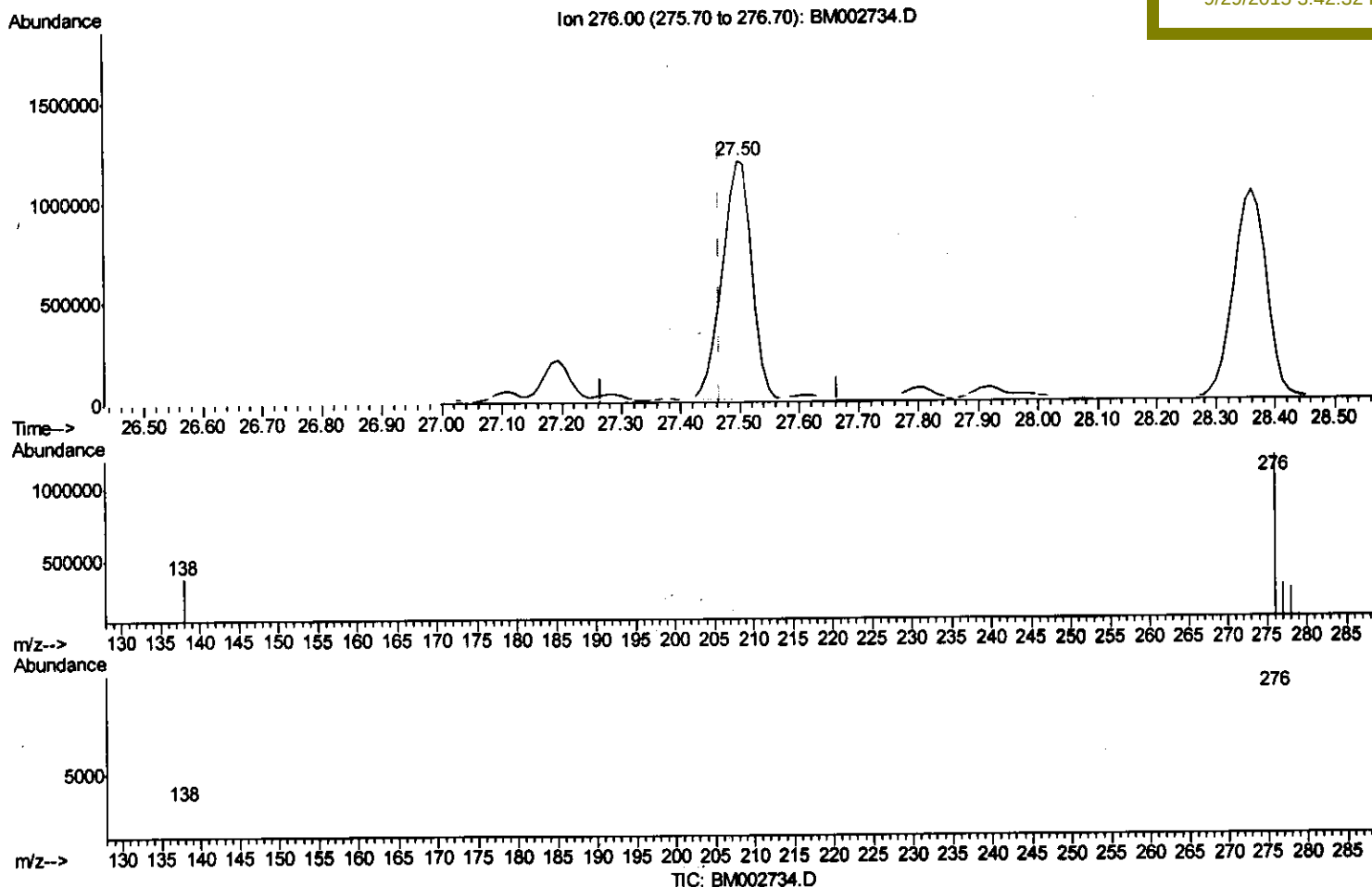
Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
 Data File : BM002734.D
 Acq On : 28 Sep 2015 15:26
 Operator : UM/IZ
 Sample : G3798-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67

Quant Time: Sep 29 04:11:05 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 3:42:32 PM



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

27.496min (+0.031) 16.13ng/ul

response 4060106

Ion	Exp%	Act%
276.00	100	100
138.00	34.40	29.95
277.00	24.10	24.80
0.00	0.00	0.00

Quantitation Report (Qedit)

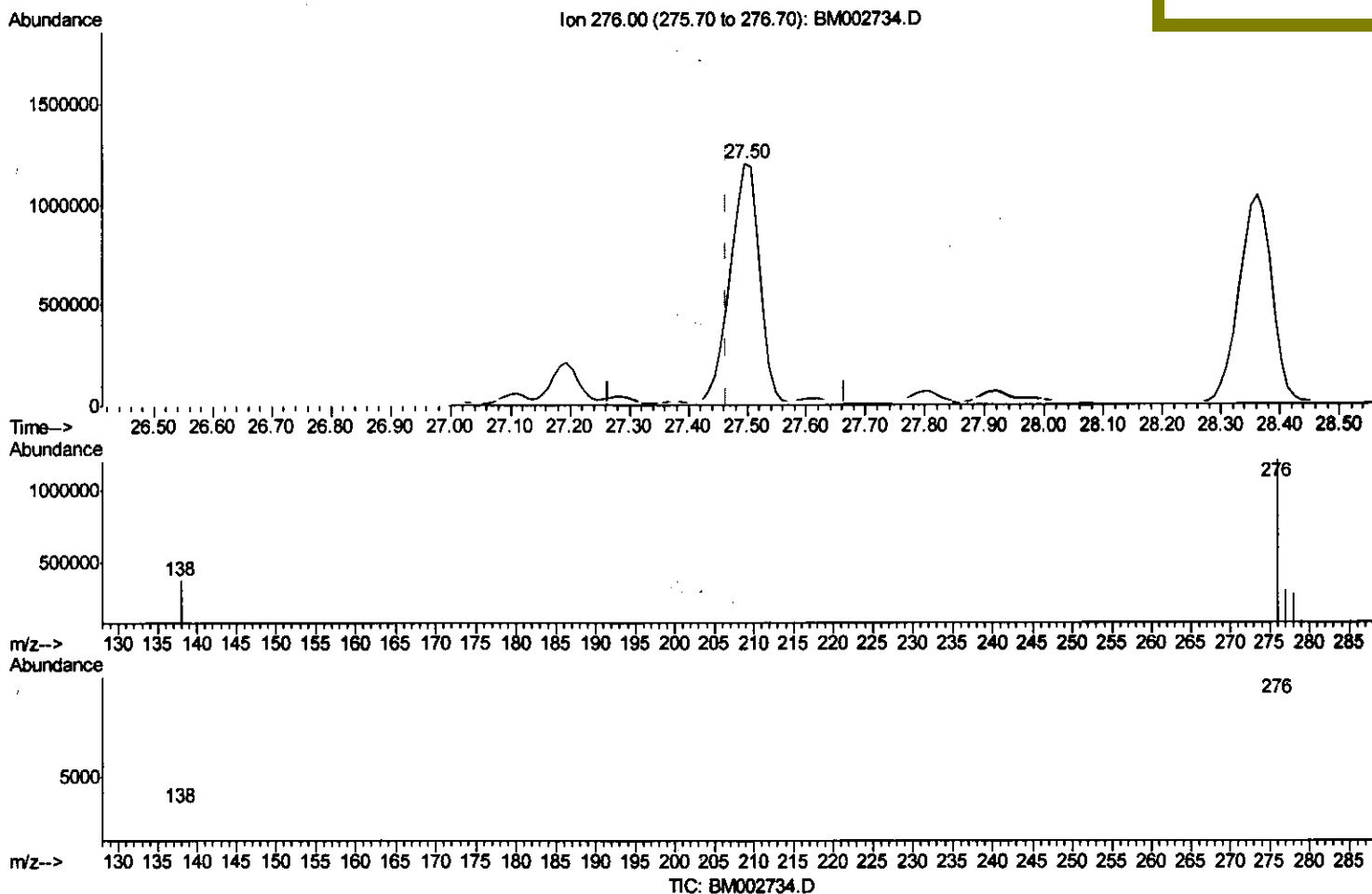
Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
Data File : BM002734.D
Acq On : 28 Sep 2015 15:26
Operator : UM/IZ
Sample : G3798-13
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
Client Sampled :
D9G67

Quant Time: Sep 29 04:11:05 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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(26) Indeno(1,2,3-cd)pyrene

27.496min (+0.031) 16.66ng/ul m

response 4193674

Ion	Exp%	Act%
276.00	100	100
138.00	34.40	29.00
277.00	24.10	24.01
0.00	0.00	0.00

20.00
09/30/15

Quantitation Report (Qedit)

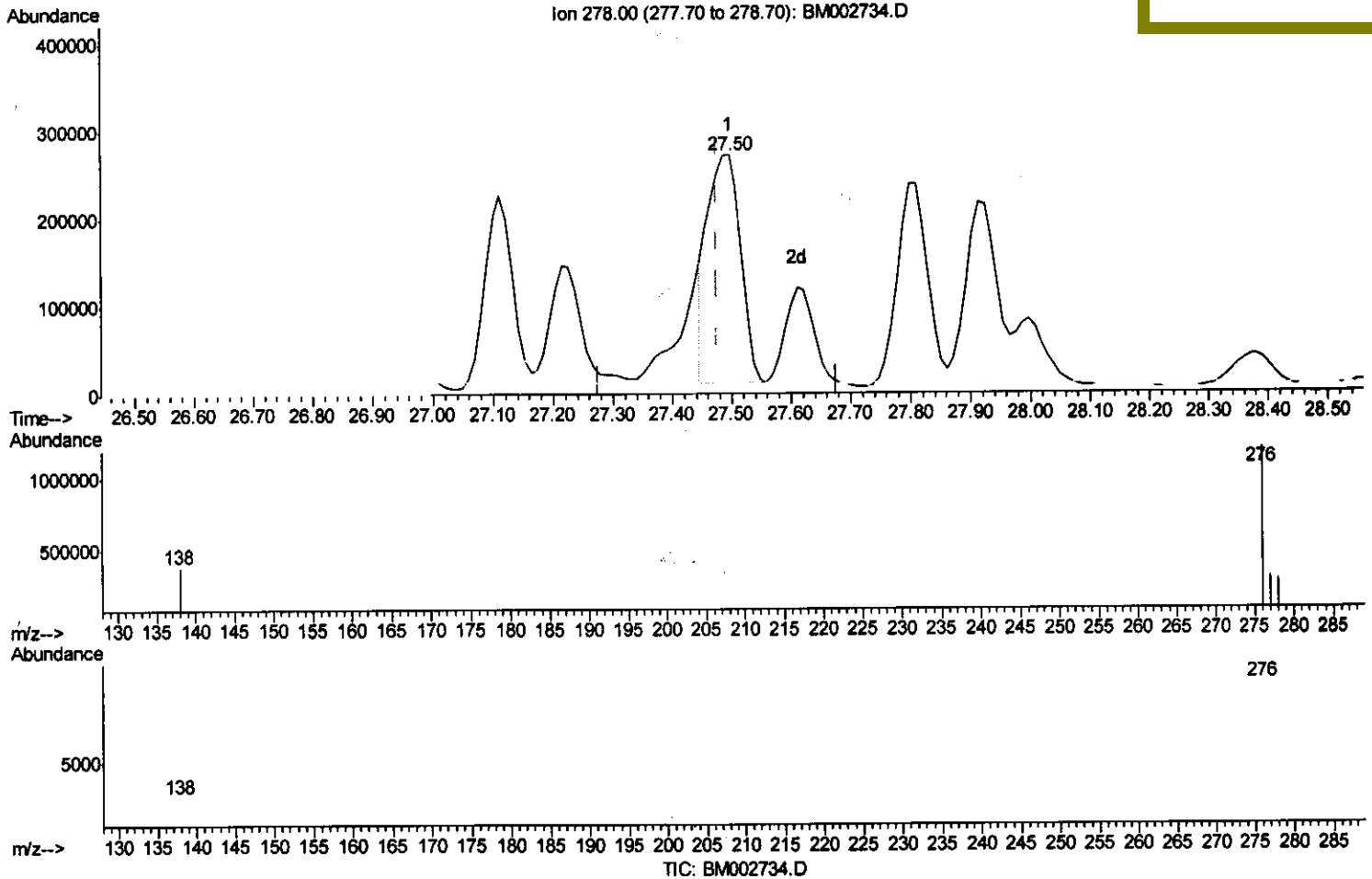
Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
 Data File : BM002734.D
 Acq On : 28 Sep 2015 15:26
 Operator : UM/IZ
 Sample : G3798-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67

Quant Time: Sep 29 04:11:05 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 3:42:32 PM



(27) Dibenzo(a,h)anthracene

27.496min (+0.021) 4.84ng/ul

response 999904

Ion	Exp%	Act%
278.00	100	100
139.00	27.10	26.49
279.00	27.40	28.45
0.00	0.00	0.00

Quantitation Report (Qedit)

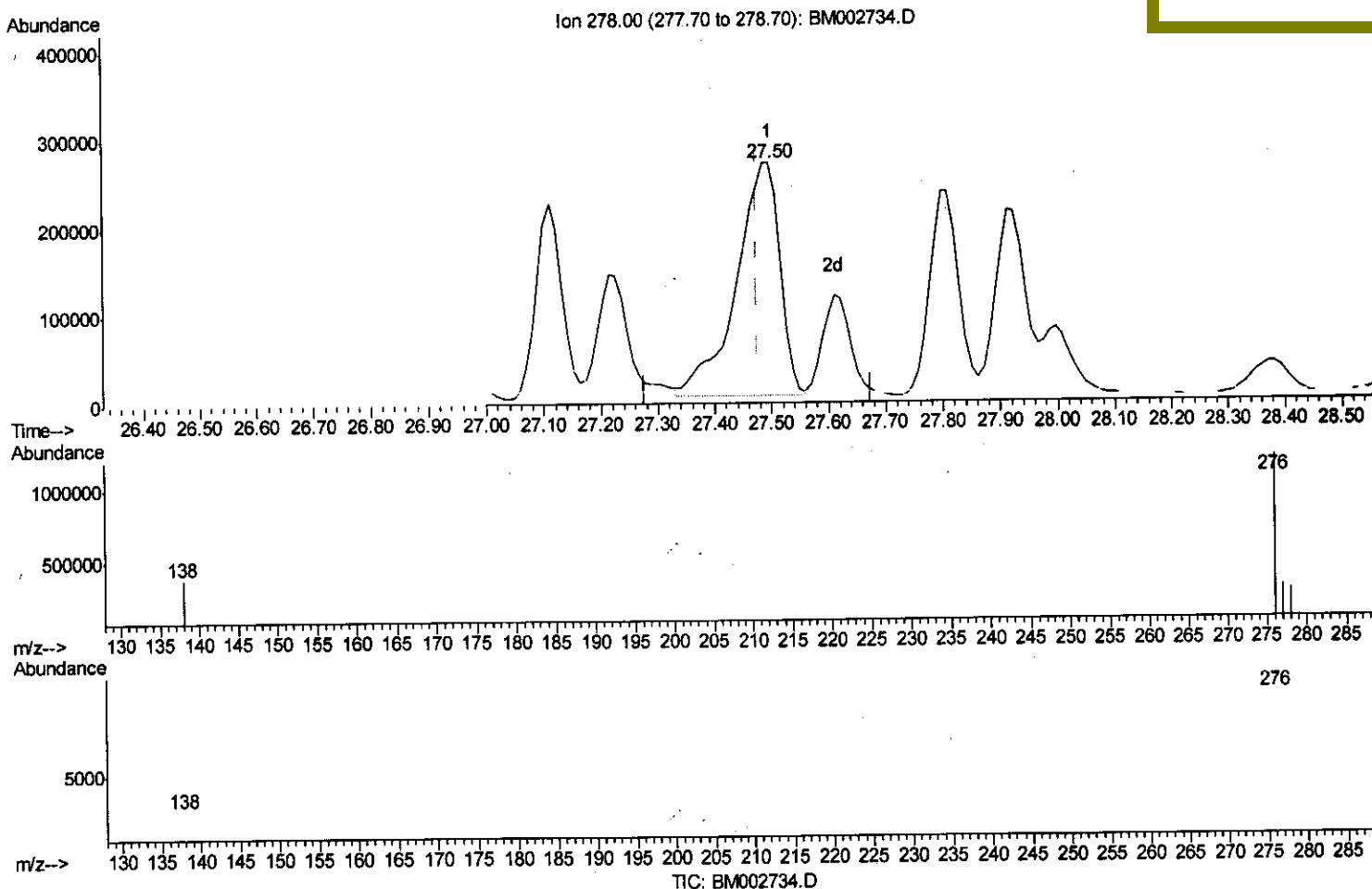
Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
 Data File : BM002734.D
 Acq On : 28 Sep 2015 15:26
 Operator : UM/IZ
 Sample : G3798-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67

Quant Time: Sep 29 04:11:05 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 3:42:32 PM



(27) Dibenzo(a,h)anthracene

27.496min (+0.021) 6.77ng/ul m

response 1397389

Ion	Exp%	Act%
278.00	100	100
139.00	27.10	26.49
279.00	27.40	28.45
0.00	0.00	0.00

Handwritten: > 0.00
 09/30/15

Quantitation Report (Qedit)

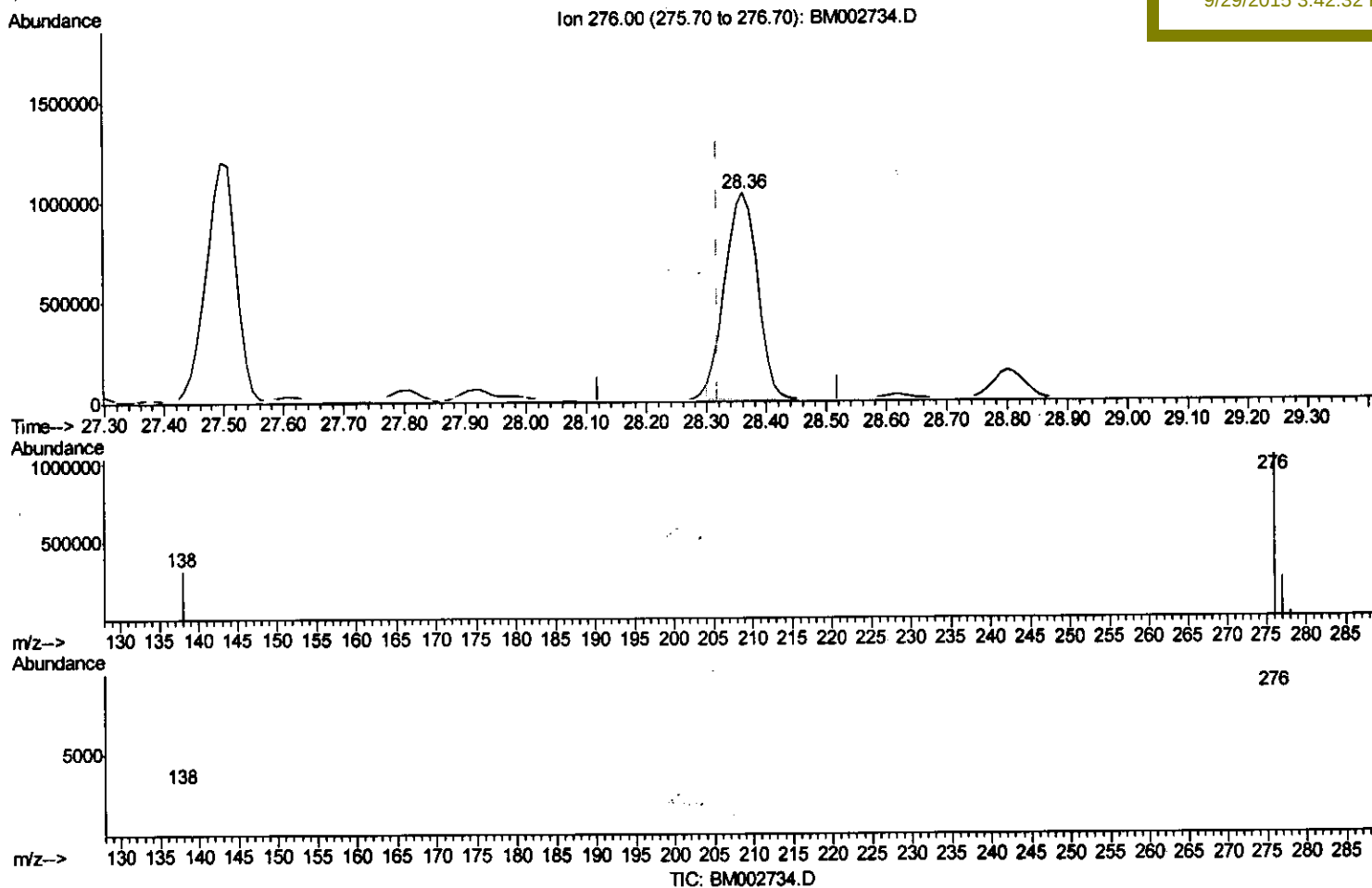
Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
Data File : BM002734.D
Acq On : 28 Sep 2015 15:26
Operator : UM/IZ
Sample : G3798-13
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9G67

Quant Time: Sep 29 04:11:05 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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(28) Benzo(g,h,i)perylene

28.361min (+0.042) 18.29ng/ul

response 3905533

Ion	Exp%	Act%
276.00	100	100
277.00	26.60	24.42
138.00	31.90	30.99
0.00	0.00	0.00

Quantitation Report (Qedit)

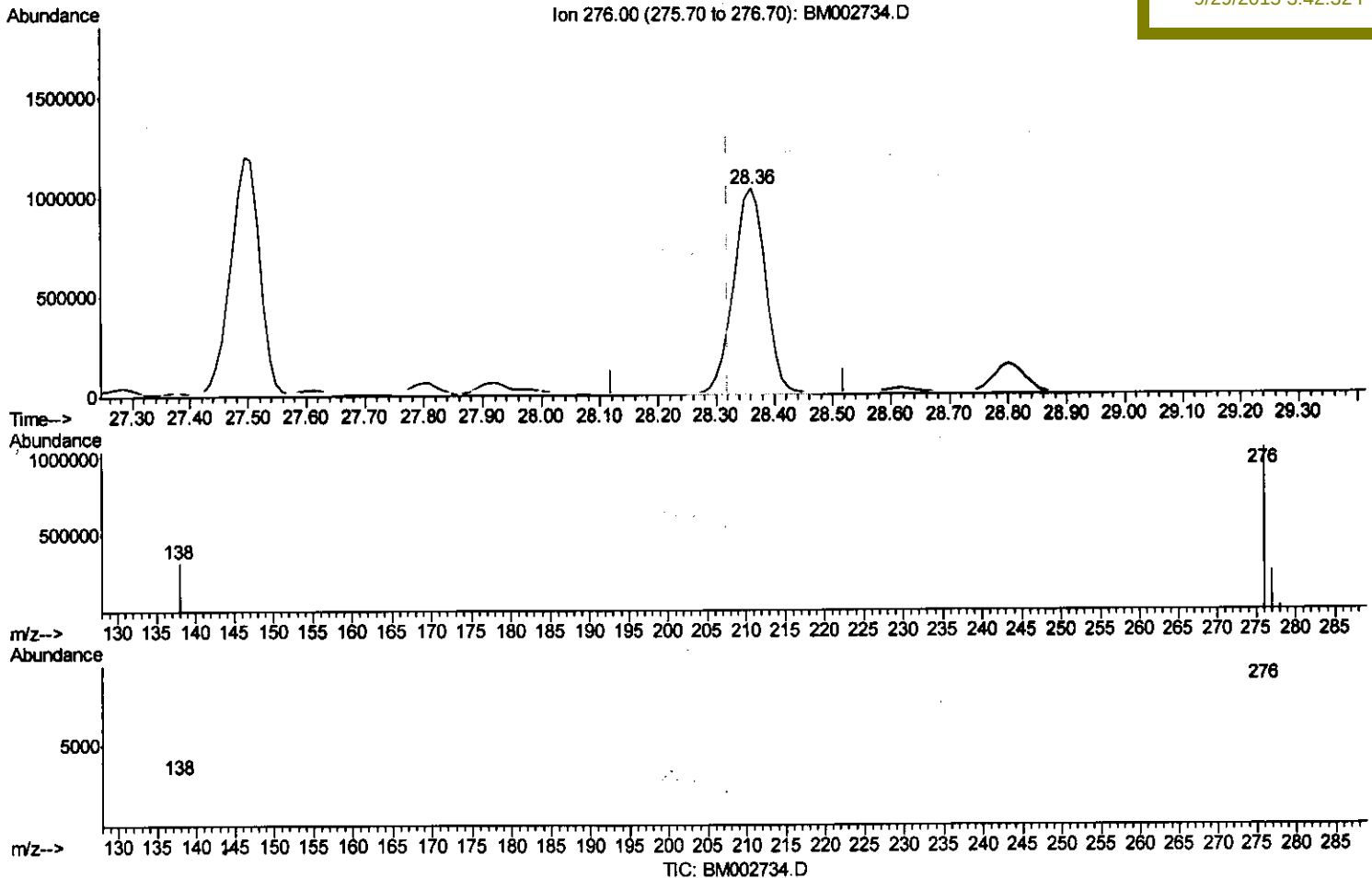
Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
 Data File : BM002734.D
 Acq On : 28 Sep 2015 15:26
 Operator : UM/IZ
 Sample : G3798-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67

Quant Time: Sep 29 04:11:05 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 3:42:32 PM



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

28.361min (+0.042) 19.03ng/ul m

response 4063223

Ion	Exp%	Act%
276.00	100	100
277.00	26.60	24.42
138.00	31.90	30.99
0.00	0.00	0.00

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 09/30/15

Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
 Data File : BM002734.D
 Acq On : 28 Sep 2015 15:26
 Operator : UM/IZ
 Sample : G3798-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA M
 ClientSampleId :
 D9G67

Quant Time: Sep 29 04:15:10 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
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	10140	0.40	ng/ul	0.00
4) Naphthalene-d8	11.60	136	39066	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.33	164	21676	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	42536m	0.40	ng/ul	0.00
18) Chrysene-d12	22.13	240	43480m	0.40	ng/ul	0.00
22) Perylene-d12	24.74	264	67998m	0.40	ng/ul	0.01

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 09/30/15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.80	96	6759	0.65	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.13	152	6405m	0.11	ng/ul	0.00
16) Fluoranthene-d10	20.01	212	12927m	0.12	ng/ul	0.00

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Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	11.65	128	291680	2.76	ng/ul	97
7) 2-Methylnaphthalene	13.20	142	136945	2.01	ng/ul	99
9) Acenaphthylene	15.06	152	1618928	14.48	ng/ul	95
10) Acenaphthene	15.38	153	130292	1.60	ng/ul	92
11) Fluorene	16.36	166	159651m	1.72	ng/ul	92
13) Pentachlorophenol	17.69	266	1399	0.17	ng/ul	85
14) Phenanthrene	18.08	178	1836829m	13.27	ng/ul	96
15) Anthracene	18.17	178	2447747	19.13	ng/ul	96
17) Fluoranthene	20.04	202	6967480m	46.28	ng/ul	94
19) Pyrene	20.40	202	7183811	42.39	ng/ul	94
20) Benzo(a)anthracene	22.11	228	5306400m	36.52	ng/ul	95
21) Chrysene	22.17	228	5478289m	39.39	ng/ul	95
23) Benzo(b)fluoranthene	23.94	252	9433741m	38.48	ng/ul	95
24) Benzo(k)fluoranthene	23.98	252	2848507m	12.54	ng/ul	95
25) Benzo(a)pyrene	24.63	252	5268763	23.34	ng/ul	95
26) Indeno(1,2,3-cd)pyrene	27.50	276	4193674m	16.66	ng/ul	95
27) Dibenzo(a,h)anthracene	27.50	278	1397389m	6.77	ng/ul	95
28) Benzo(a,h,i)perylene	28.36	276	4063223m	19.03	ng/ul	95

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 09/30/15

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 09/30/15

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 09/30/15

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