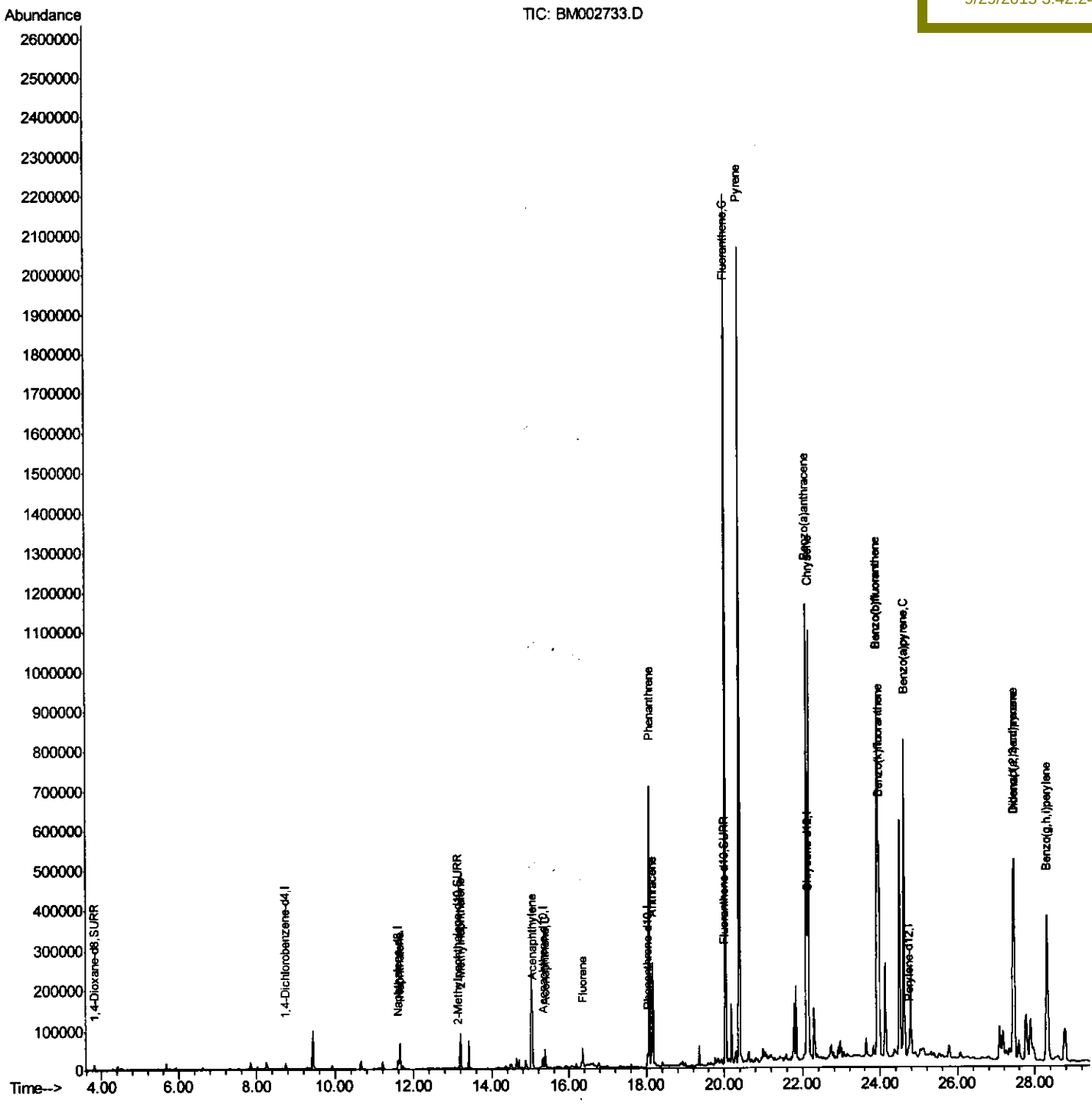
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
Data File : BM002733.D
Acq On : 28 Sep 2015 14:11
Operator : UM/IZ
Sample : G3798-12
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 03:54:07 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 00:32:23 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9G66

Manual Integrations APPROVED
MMDadoda
9/29/2015 3:42:24 PM



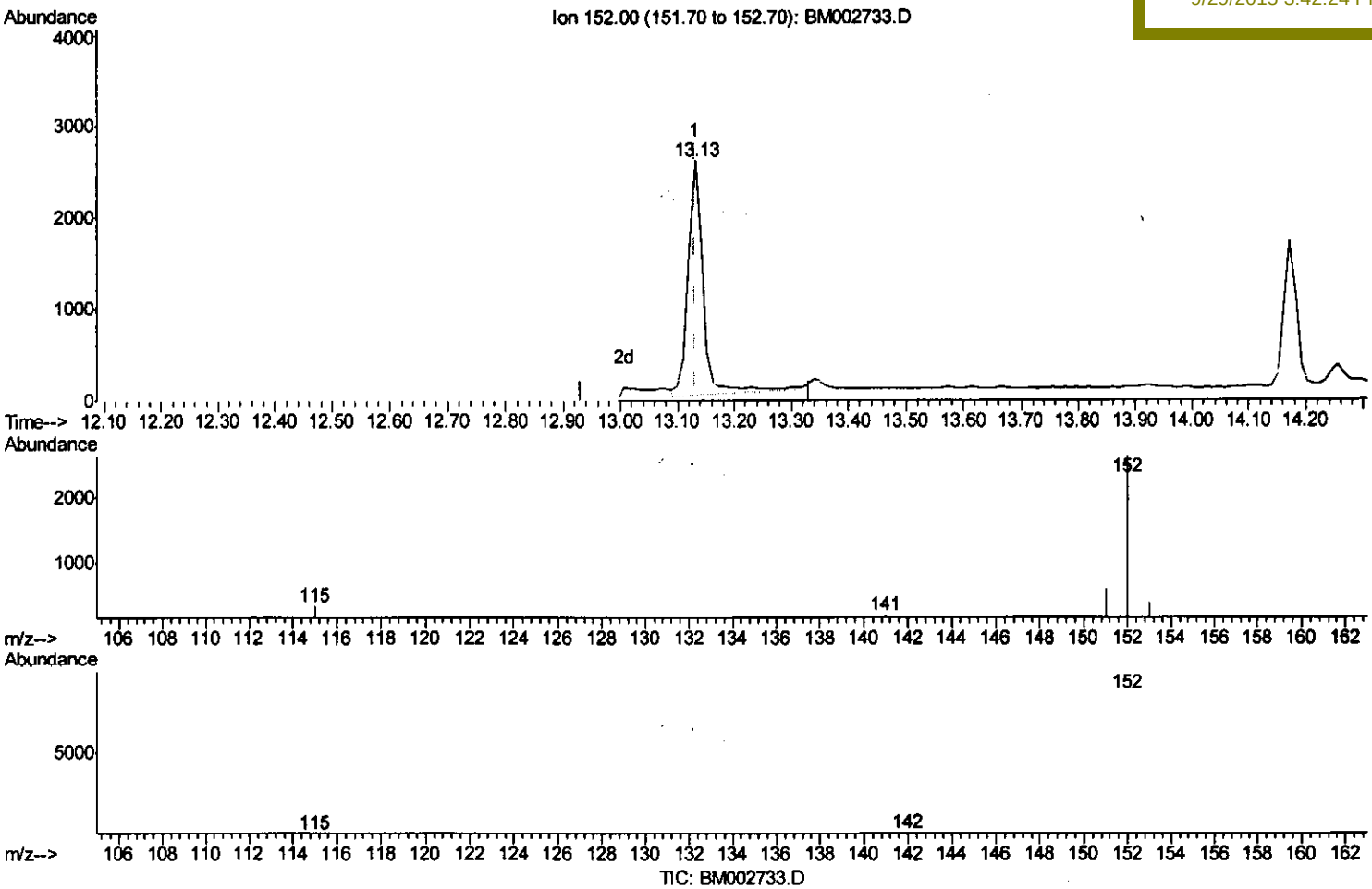
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
Data File : BM002733.D
Acq On : 28 Sep 2015 14:11
Operator : UM/IZ
Sample : G3798-12
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 01:32:24 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 00:32:23 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9G66

Manual Integrations APPROVED
MMDadoda
9/29/2015 3:42:24 PM



TIC: BM002733.D

(6) 2-Methylnaphthalene-d10 (SURR)

13.131min (-0.000) 0.08ng/ul

response 4653

Ion	Exp%	Act%
152.00	100	100
151.00	18.90	35.96#
0.00	0.00	0.00
0.00	0.00	0.00

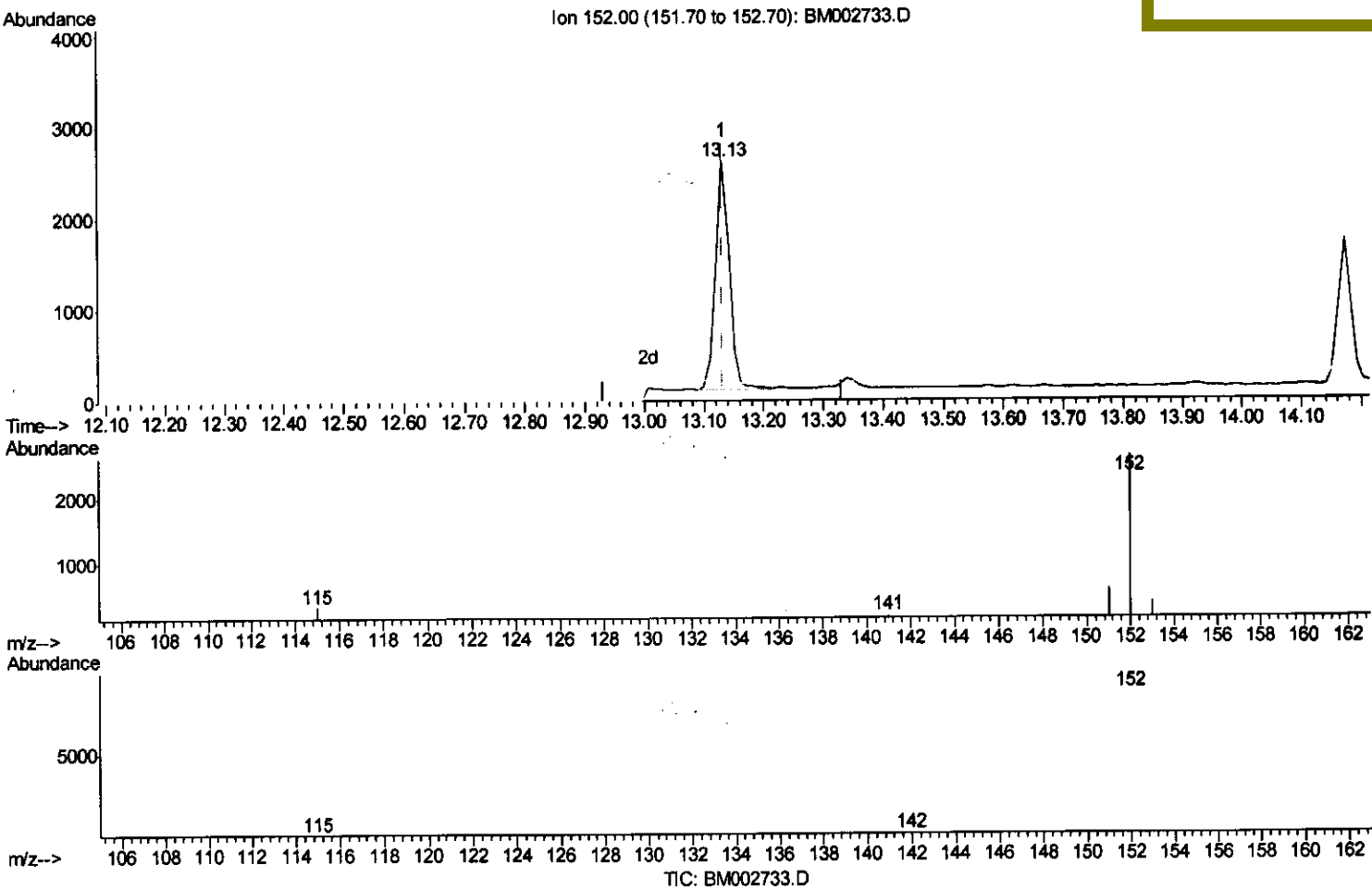
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
Data File : BM002733.D
Acq On : 28 Sep 2015 14:11
Operator : UM/IZ
Sample : G3798-12
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 01:32:24 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 00:32:23 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9G66

Manual Integrations APPROVED
MMDadoda
9/29/2015 3:42:24 PM



TIC: BM002733.D

(6) 2-Methylnaphthalene-d10 (SURR)

13.131min (-0.000) 0.07ng/ul m

response 4132

> U·M
09/30/15

Ion	Exp%	Act%
152.00	100	100
151.00	18.90	40.49#
0.00	0.00	0.00
0.00	0.00	0.00

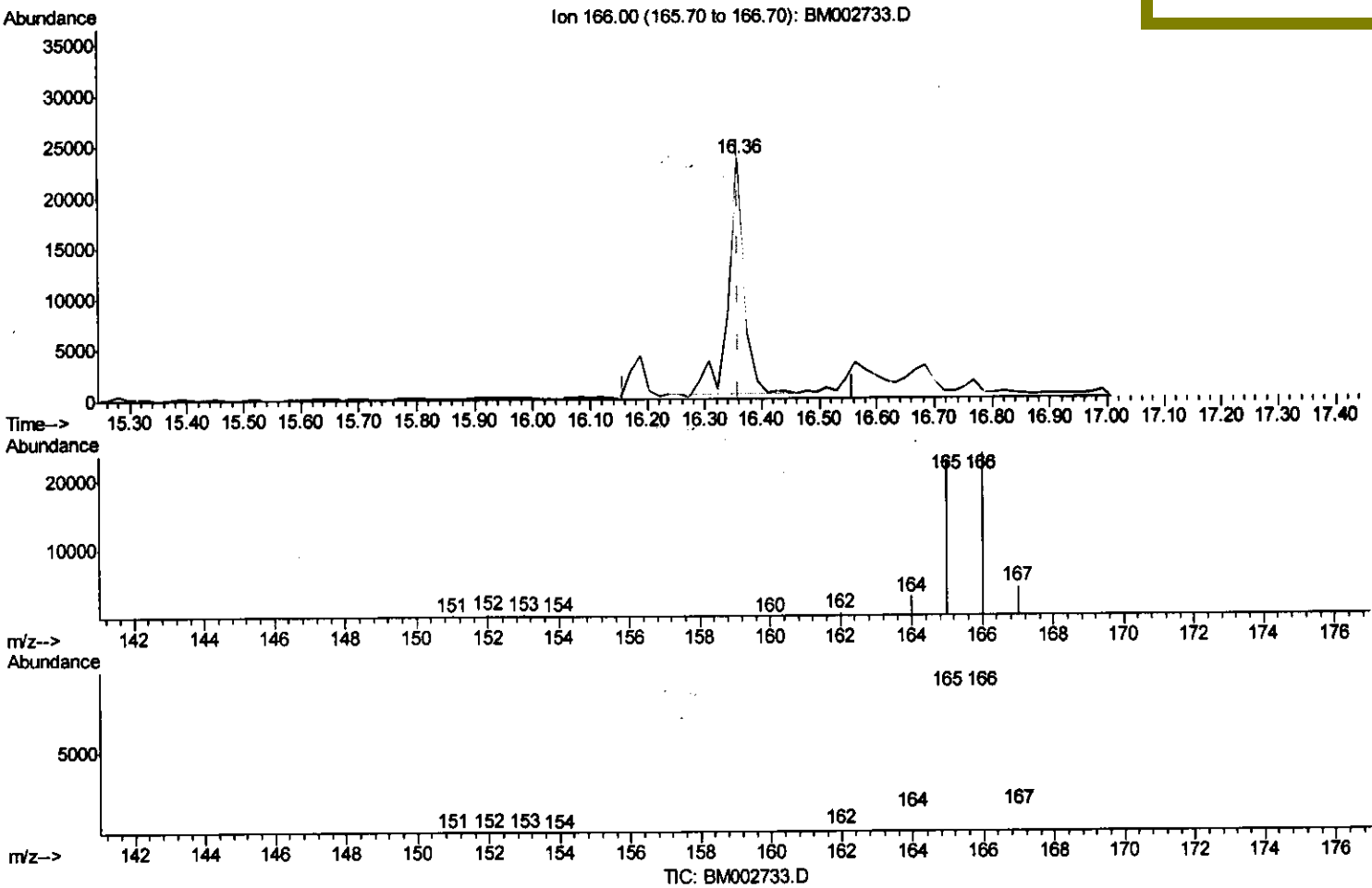
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
Data File : BM002733.D
Acq On : 28 Sep 2015 14:11
Operator : UM/IZ
Sample : G3798-12
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 01:32:24 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 00:32:23 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9G66

Manual Integrations APPROVED
MMDadoda
9/29/2015 3:42:24 PM



(11) Fluorene

16.358min (-0.000) 0.49ng/ul

response 44032

Ion	Exp%	Act%
166.00	100	100
165.00	109.50	95.39
167.00	13.90	18.10#
0.00	0.00	0.00

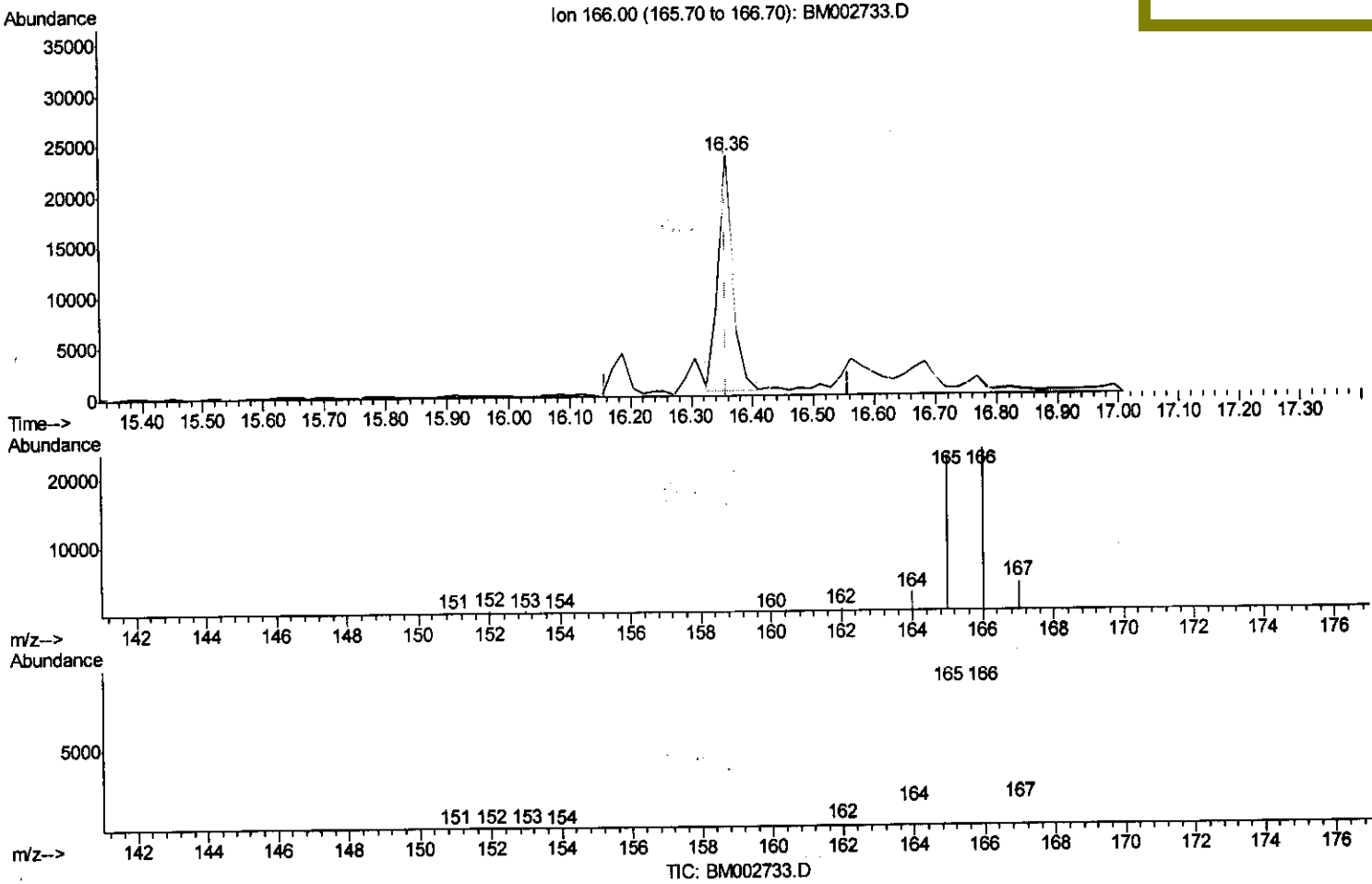
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
Data File : BM002733.D
Acq On : 28 Sep 2015 14:11
Operator : UM/IZ
Sample : G3798-12
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 01:32:24 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 00:32:23 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9G66

Manual Integrations APPROVED
MMDadoda
9/29/2015 3:42:24 PM



(11) Fluorene

16.358min (-0.000) 0.43ng/ul m

response 38912

> U.M
09/30/15

Ion	Exp%	Act%
166.00	100	100
165.00	109.50	95.39
167.00	13.90	18.10#
0.00	0.00	0.00

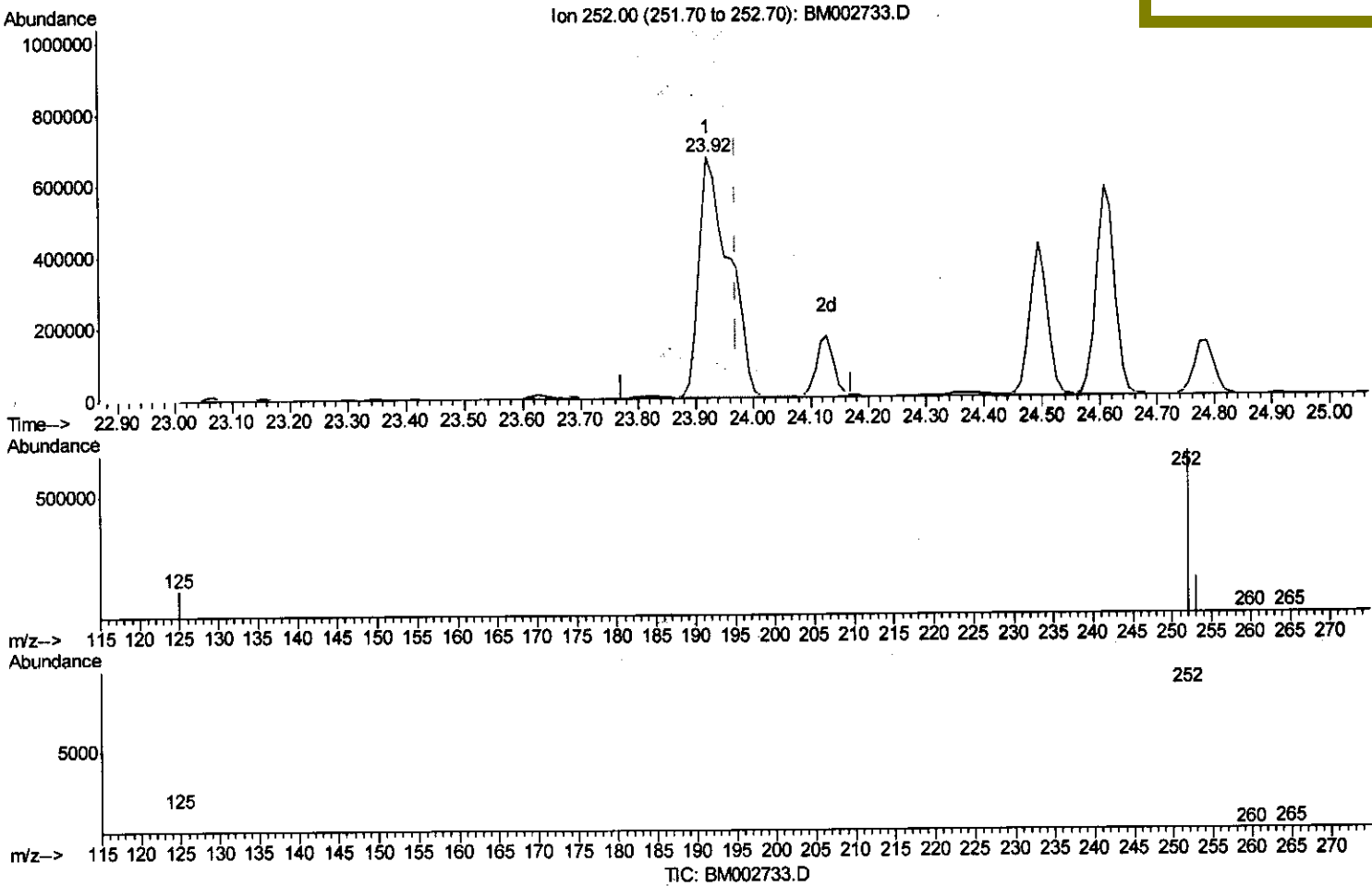
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
Data File : BM002733.D
Acq On : 28 Sep 2015 14:11
Operator : UM/IZ
Sample : G3798-12
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 00:33:29 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 00:32:23 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9G66

Manual Integrations APPROVED
MMDadoda
9/29/2015 3:42:24 PM



TIC: BM002733.D

(24) Benzo(k)fluoranthene

23.920min (-0.051) 16.35ng/ul

response 2428268

Ion	Exp%	Act%
252.00	100	100
253.00	26.00	22.16
125.00	15.30	16.39
0.00	0.00	0.00

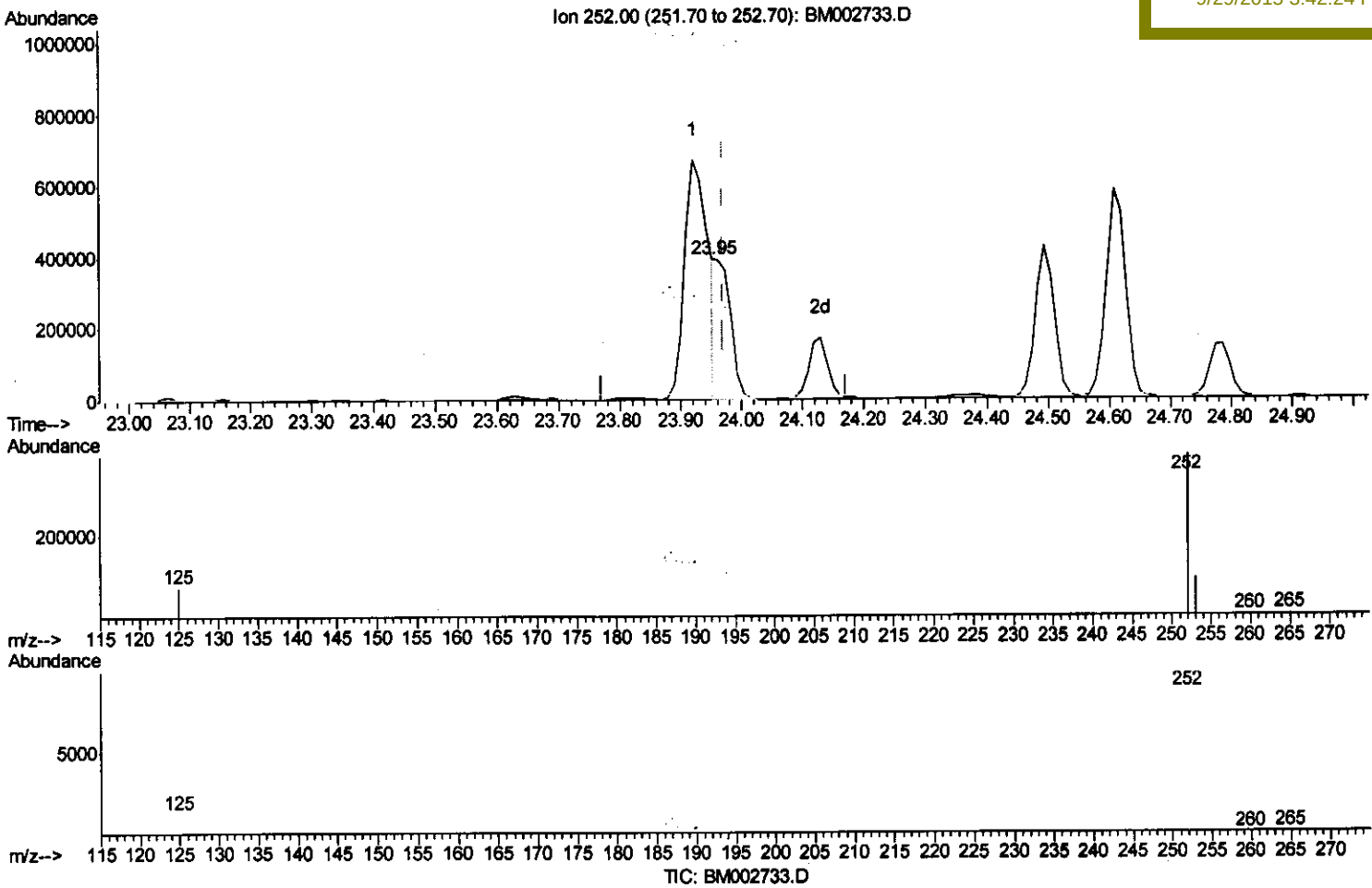
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
Data File : BM002733.D
Acq On : 28 Sep 2015 14:11
Operator : UM/IZ
Sample : G3798-12
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 00:33:29 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 00:32:23 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9G66

Manual Integrations APPROVED
MMDadoda
9/29/2015 3:42:24 PM



(24) Benzo(k)fluoranthene

23.951min (-0.019) 4.51ng/ul m > U·M 09/30/15

response 669533

Ion	Exp%	Act%
252.00	100	100
253.00	26.00	23.88
125.00	15.30	18.90#
0.00	0.00	0.00

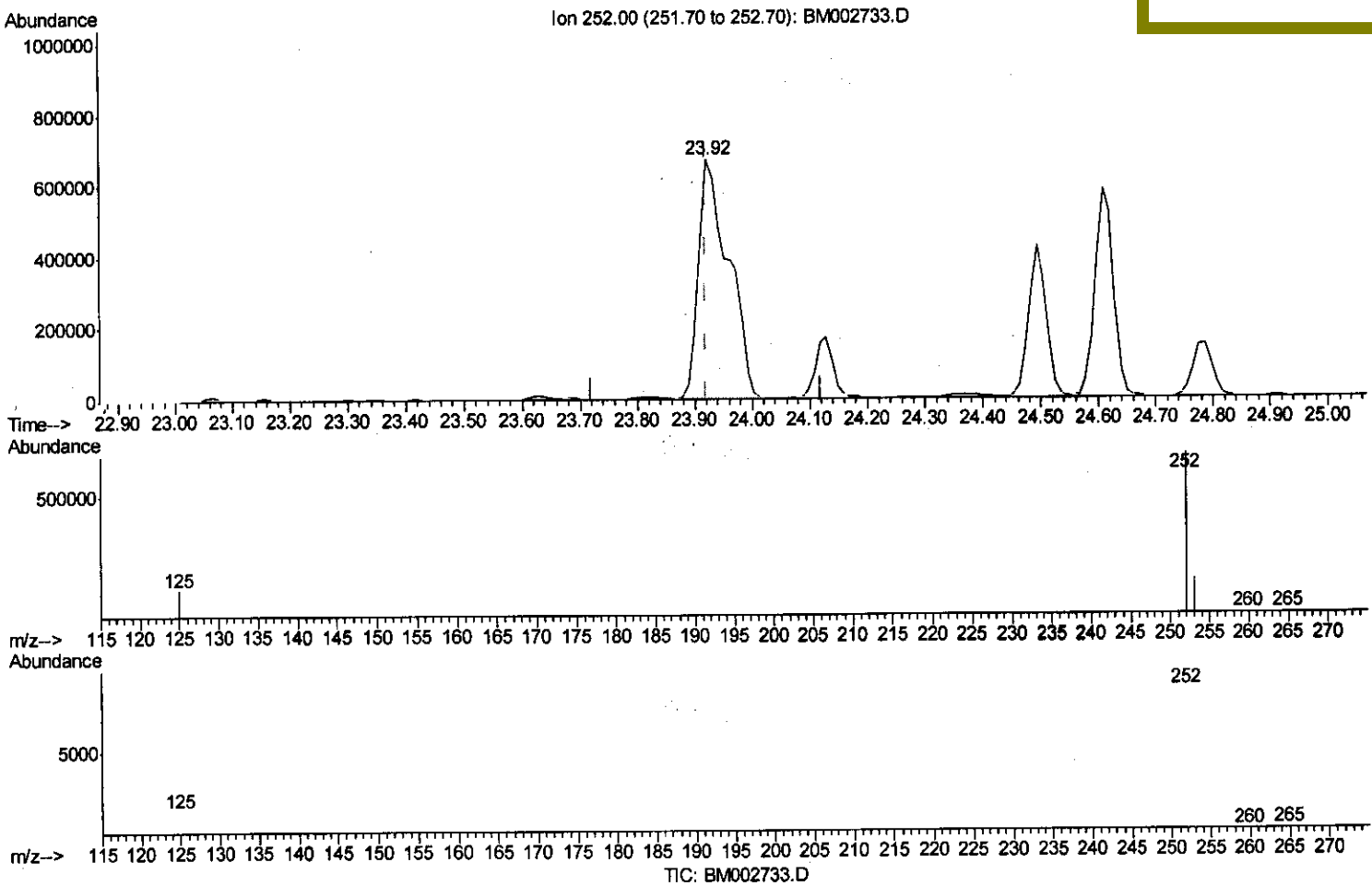
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
Data File : BM002733.D
Acq On : 28 Sep 2015 14:11
Operator : UM/IZ
Sample : G3798-12
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 00:33:29 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 00:32:23 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9G66

Manual Integrations APPROVED
MMDadoda
9/29/2015 3:42:24 PM



(23) Benzo(b)fluoranthene

23.920min (+0.002) 15.15ng/ul

response 2428268

ion	Exp%	Act%
252.00	100	100
253.00	24.00	22.16
125.00	18.30	16.39
0.00	0.00	0.00

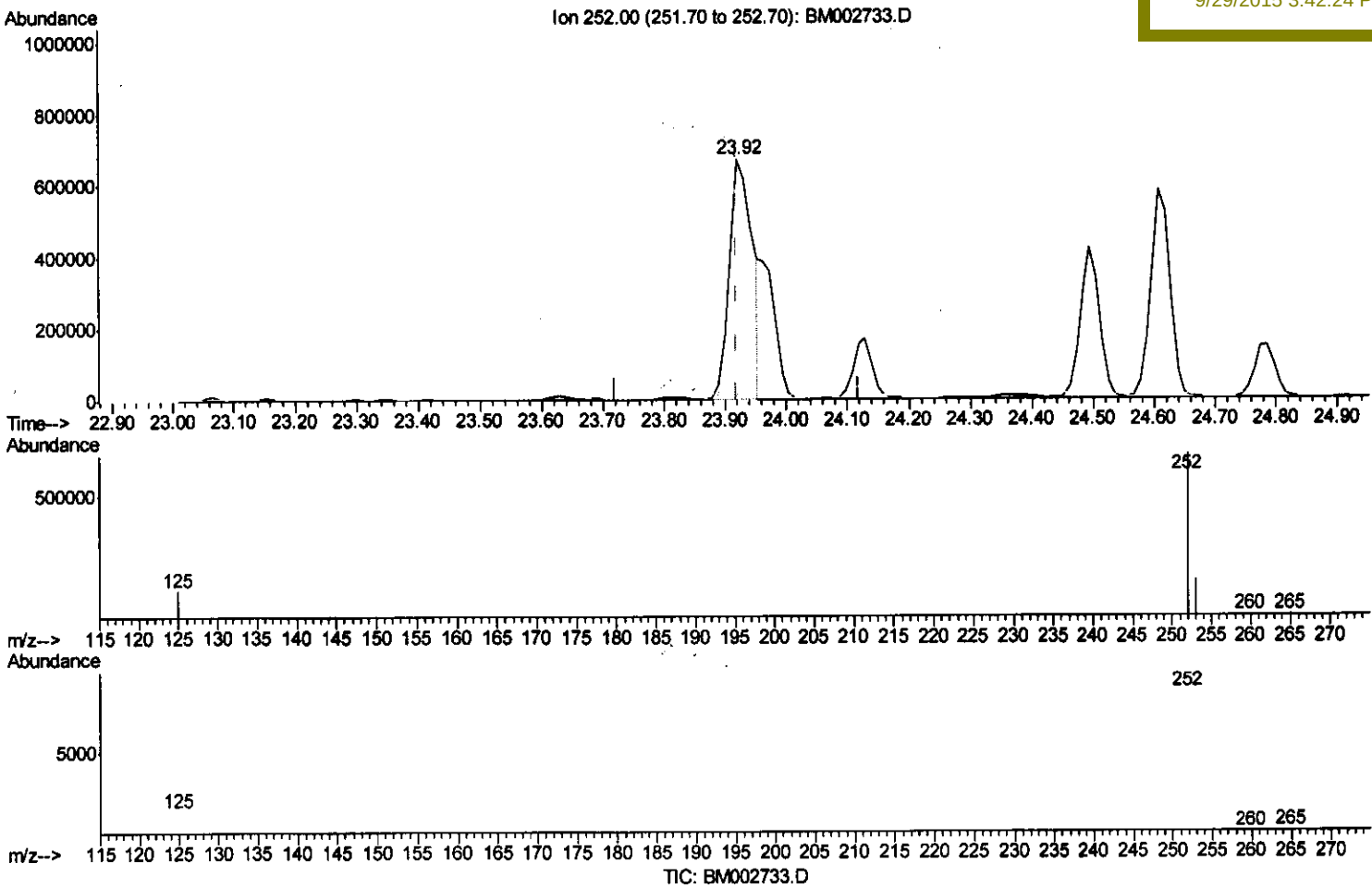
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
Data File : BM002733.D
Acq On : 28 Sep 2015 14:11
Operator : UM/IZ
Sample : G3798-12
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 00:33:29 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 00:32:23 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9G66

Manual Integrations APPROVED
MMDadoda
9/29/2015 3:42:24 PM



(23) Benzo(b)fluoranthene

23.920min (+0.002) 11.11ng/ul m

response 1781306

> U.M
09/30/15

Ion	Exp%	Act%
252.00	100	100
253.00	24.00	22.16
125.00	18.30	16.39
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\Data\BM092815\
Data File : BM002733.D
Acq On : 28 Sep 2015 14:11
Operator : UM/IZ
Sample : G3798-12
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9G66

Manual Integrations APPROVED
MMDadoda
9/29/2015 3:42:24 PM

Quant Time: Sep 29 03:54:07 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 00:32:23 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	10126	0.40	ng/ul	0.00
4) Naphthalene-d8	11.60	136	39201	0.40	ng/ul	0.01
8) Acenaphthene-d10	15.33	164	21065	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	43979	0.40	ng/ul	0.00
18) Chrysene-d12	22.13	240	43518	0.40	ng/ul	0.00
22) Perylene-d12	24.73	264	44471	0.40	ng/ul	0.01
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.80	96	11522	1.10	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.13	152	4132m	0.07	ng/ul	0.00
16) Fluoranthene-d10	20.01	212	10228	0.09	ng/ul	0.01
Target Compounds						Qvalue
5) Naphthalene	11.65	128	108083	1.02	ng/ul	97
7) 2-Methylnaphthalene	13.20	142	75654	1.11	ng/ul	99
9) Acenaphthylene	15.06	152	159381	1.47	ng/ul	95
10) Acenaphthene	15.38	153	31534	0.40	ng/ul	93
11) Fluorene	16.36	166	38912m	0.43	ng/ul	
14) Phenanthrene	18.08	178	829517	5.80	ng/ul	96
15) Anthracene	18.17	178	348821	2.64	ng/ul	95
17) Fluoranthene	20.04	202	2115191	13.59	ng/ul	93
19) Pyrene	20.39	202	2015124	11.88	ng/ul	99
20) Benzo(a)anthracene	22.10	228	1330749	9.15	ng/ul	99
21) Chrysene	22.16	228	1143034	8.21	ng/ul	95
23) Benzo(b)fluoranthene	23.92	252	1781306m	11.11	ng/ul	
24) Benzo(k)fluoranthene	23.95	252	669533m	4.51	ng/ul	
25) Benzo(a)pyrene	24.61	252	1288562	8.73	ng/ul	93
26) Indeno(1,2,3-cd)pyrene	27.46	276	916638	5.57	ng/ul	95
27) Dibenzo(a,h)anthracene	27.46	278	235584	1.74	ng/ul	98
28) Benzo(g,h,i)perylene	28.32	276	846386	6.06	ng/ul	97

> U.M 09/30/15

> U.M 09/30/15

> U.M 09/30/15

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