Quantitation Report (QT Reviewed)

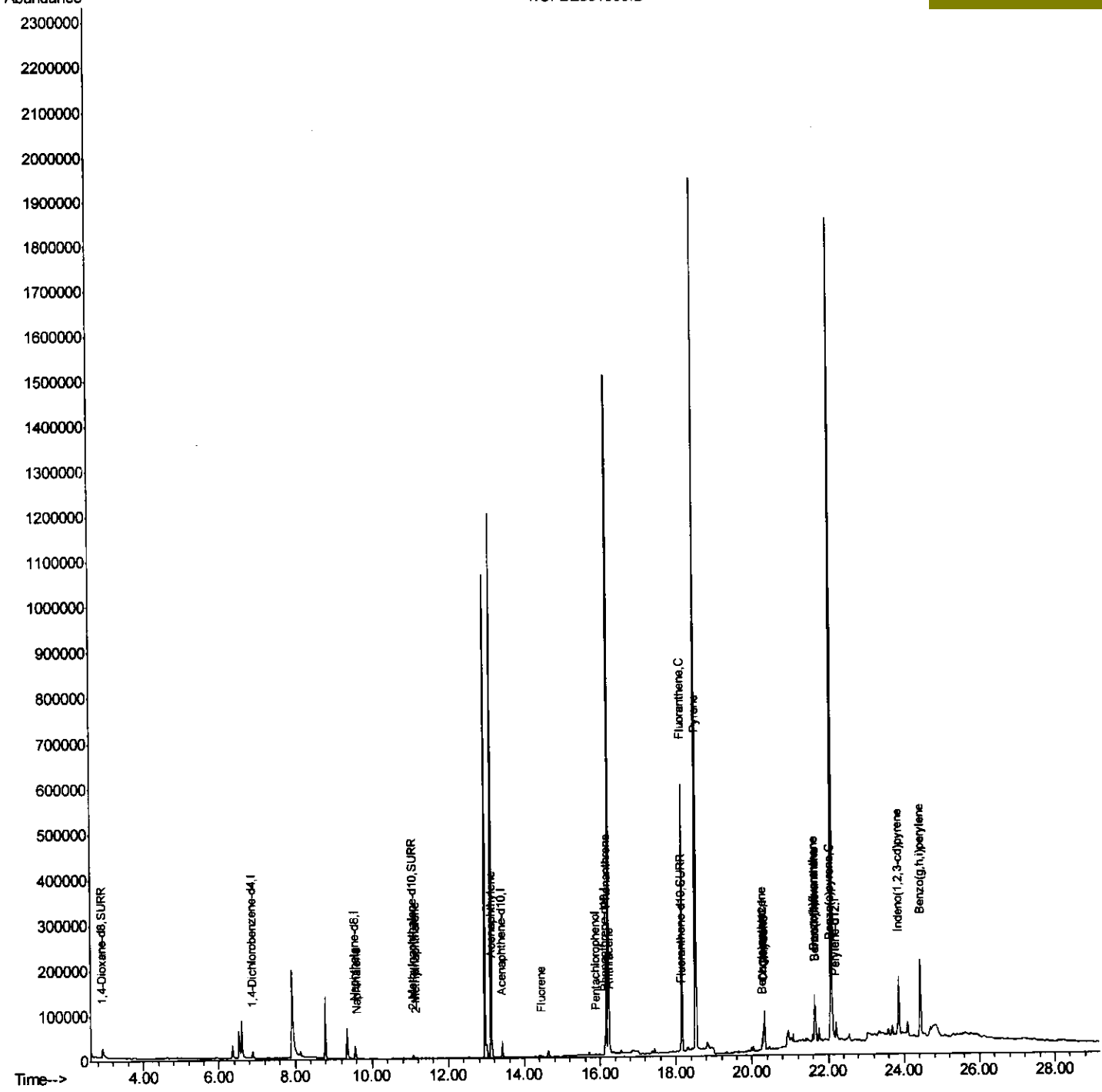
Data Path : Z:\HPCHEM1\BNA_E\Data\Be102715\
Data File : BE091055.D
Acq On : 27 Oct 2015 18:59
Operator : UM/NP
Sample : G4075-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 28 10:23:22 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 28 03:57:22 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
JG9K7RE

Manual Integrations APPROVED
MmDadoda
10/28/2015 6:36:51 PM

TIC: BE091055.D



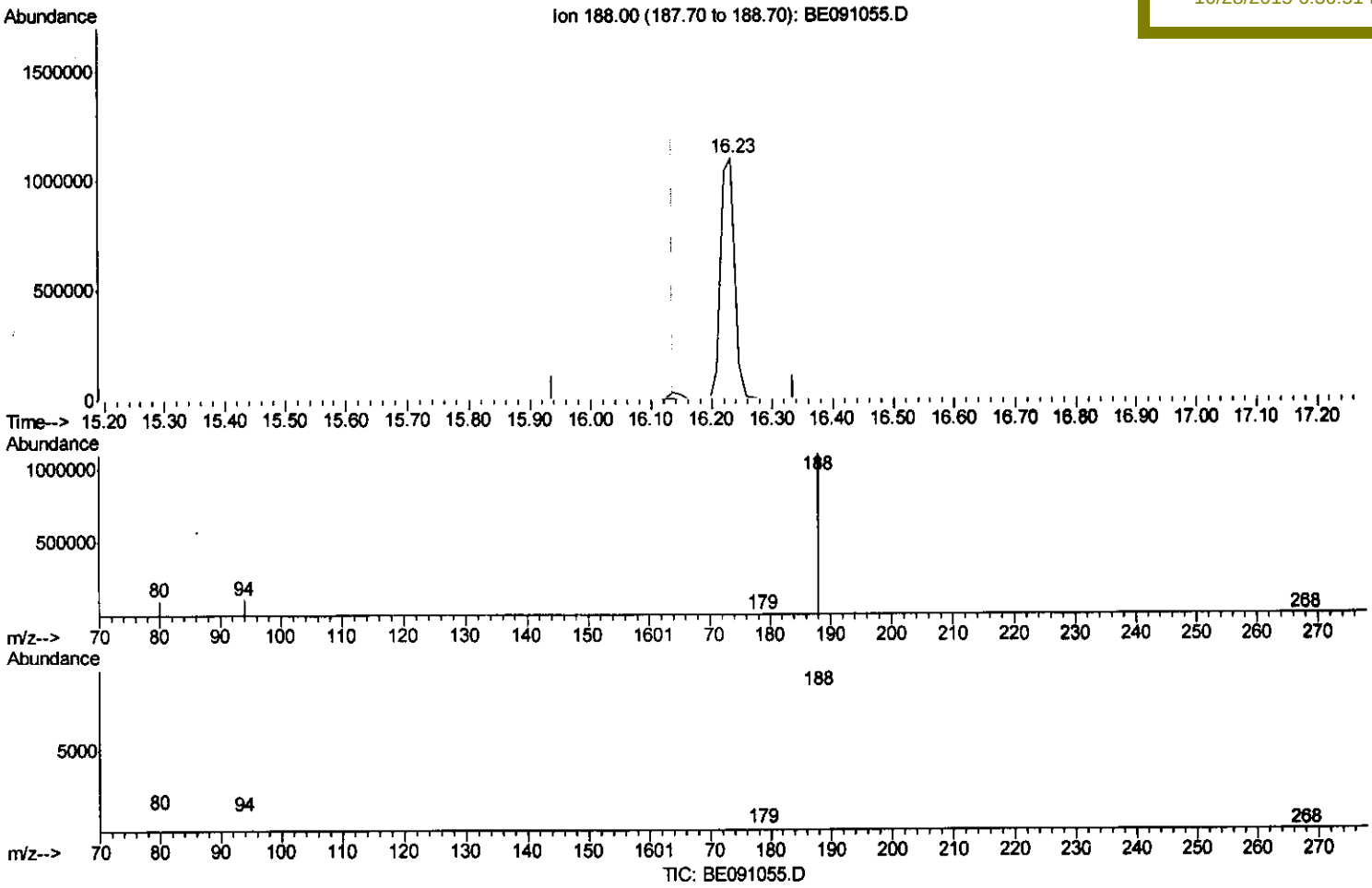
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_E\Data\Be102715\
Data File : BE091055.D
Acq On : 27 Oct 2015 18:59
Operator : UM/NP
Sample : G4075-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 28 10:16:35 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 28 03:57:22 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
JG9K7RE

Manual Integrations APPROVED
MmDadoda
10/28/2015 6:36:51 PM



TIC: BE091055.D

(12) Phenanthrene-d10 (I)

16.233min (+0.097) 0.40ng/ul

response 1773996

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	10.28
80.00	8.90	8.97
0.00	0.00	0.00

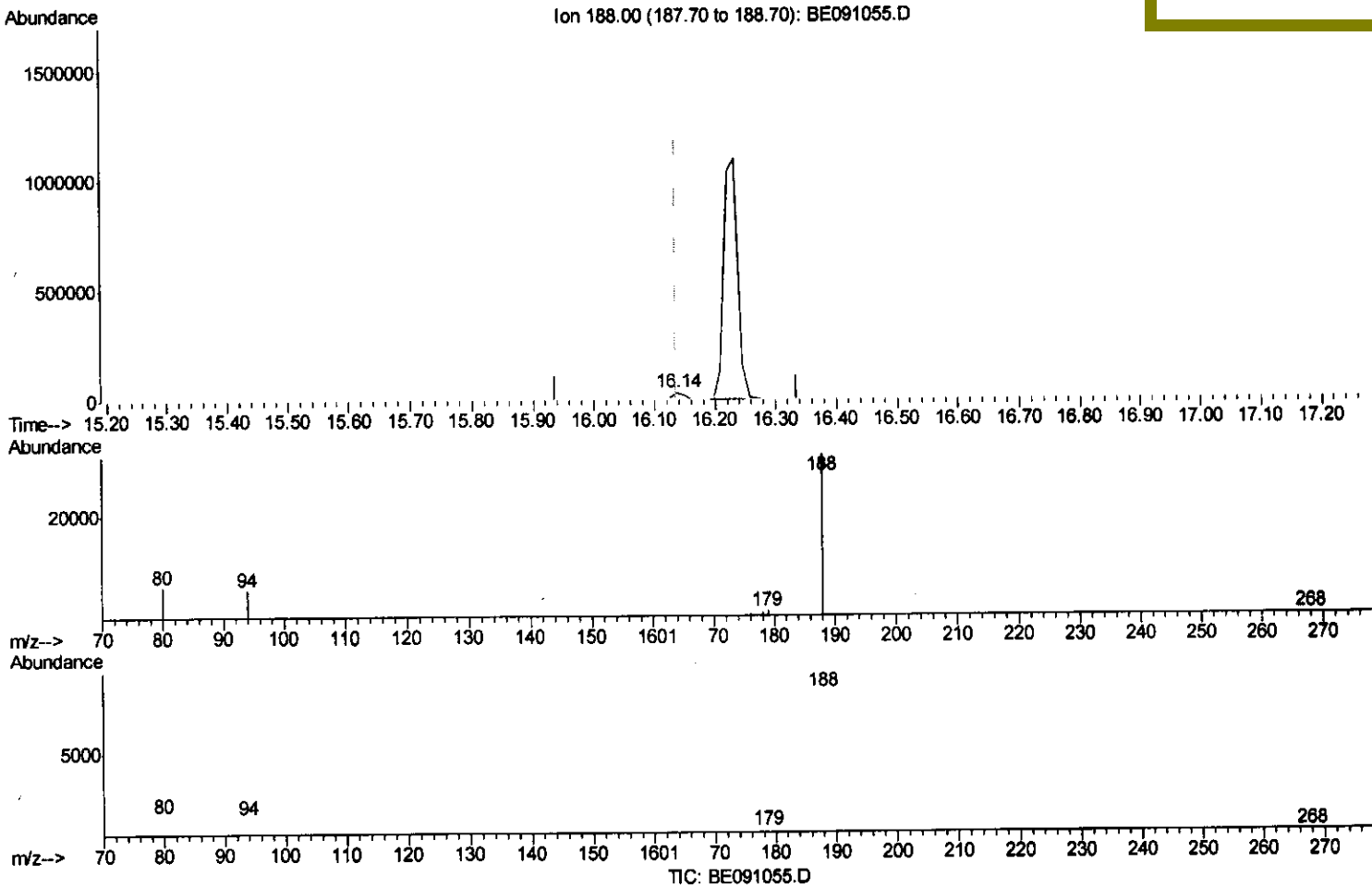
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_E\Data\Be102715\
Data File : BE091055.D
Acq On : 27 Oct 2015 18:59
Operator : UM/NP
Sample : G4075-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 28 10:16:35 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 28 03:57:22 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
JG9K7RE

Manual Integrations APPROVED
MmDadoda
10/28/2015 6:36:51 PM



(12) Phenanthrene-d10 (I)

16.136min (-0.000) 0.40ng/ul m

response 44277

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	17.26#
80.00	8.90	19.24#
0.00	0.00	0.00

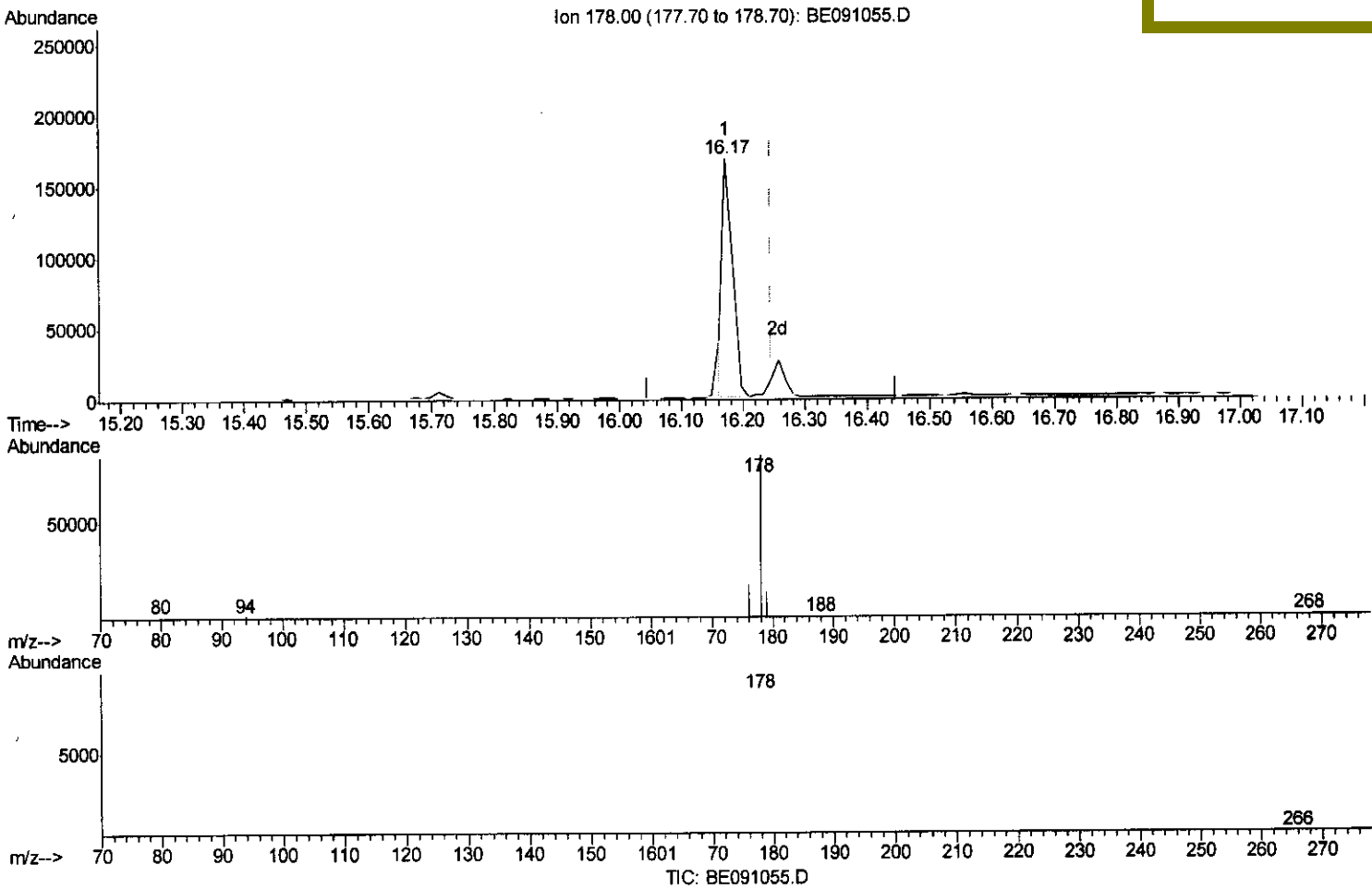
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_E\Data\Be102715\
Data File : BE091055.D
Acq On : 27 Oct 2015 18:59
Operator : UM/NP
Sample : G4075-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 28 10:19:03 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 28 03:57:22 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
JG9K7RE

Manual Integrations APPROVED
MmDadoda
10/28/2015 6:36:51 PM



TIC: BE091055.D

(15) Anthracene

16.172min (-0.073) 0.42ng/ul

response 194592

Ion	Exp%	Act%
178.00	100	100
176.00	19.80	20.19
179.00	16.60	15.68
0.00	0.00	0.00

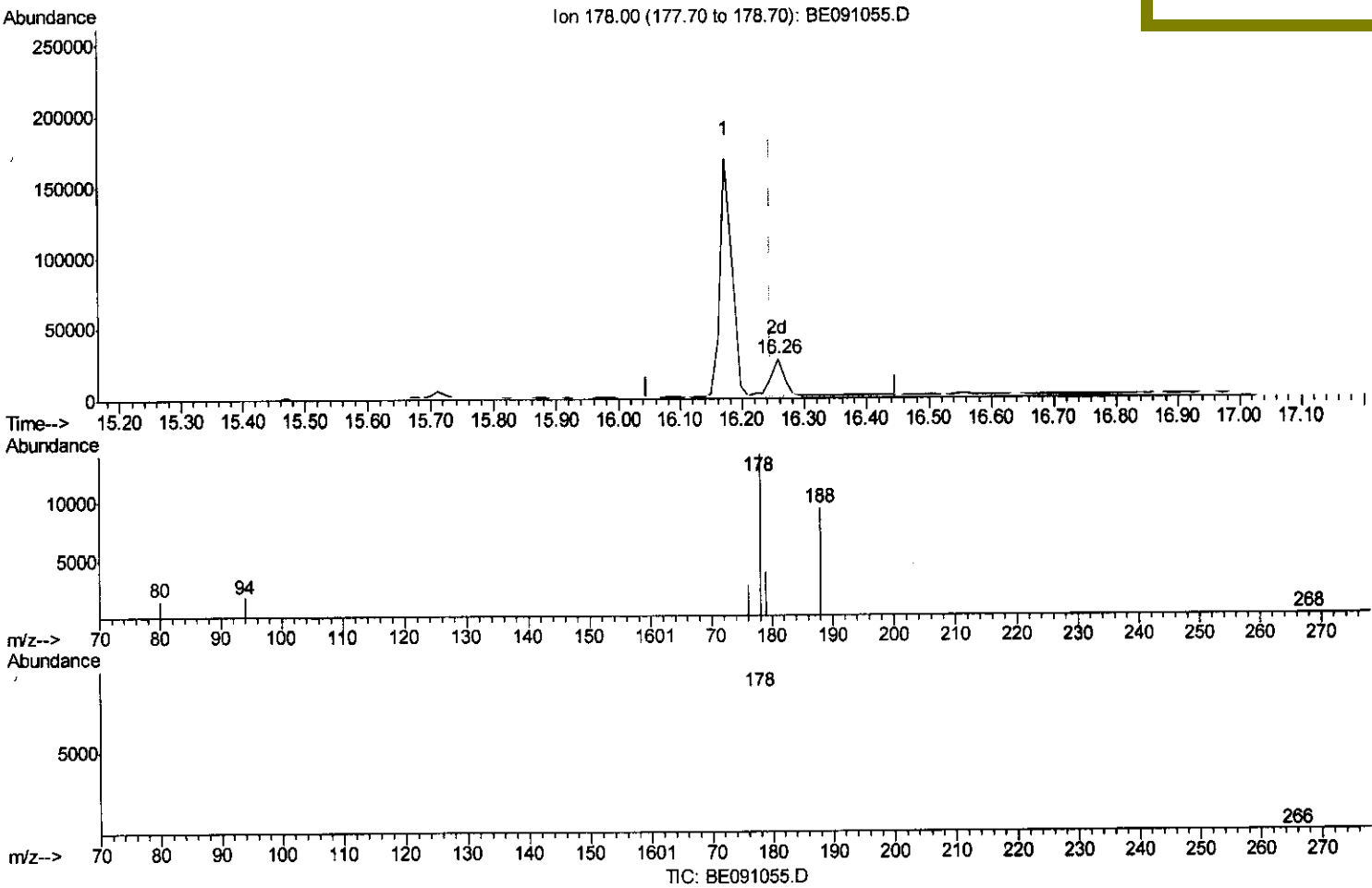
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_E\Data\Be102715\
Data File : BE091055.D
Acq On : 27 Oct 2015 18:59
Operator : UM/NP
Sample : G4075-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 28 10:19:03 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 28 03:57:22 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
JG9K7RE

Manual Integrations APPROVED
MmDadoda
10/28/2015 6:36:51 PM



(15) Anthracene

16.257min (+0.012) 0.09ng/ul m V.M 10/29/15

response 43132

Ion	Exp%	Act%
178.00	100	100
176.00	19.80	20.05
179.00	16.60	28.10#
0.00	0.00	0.00

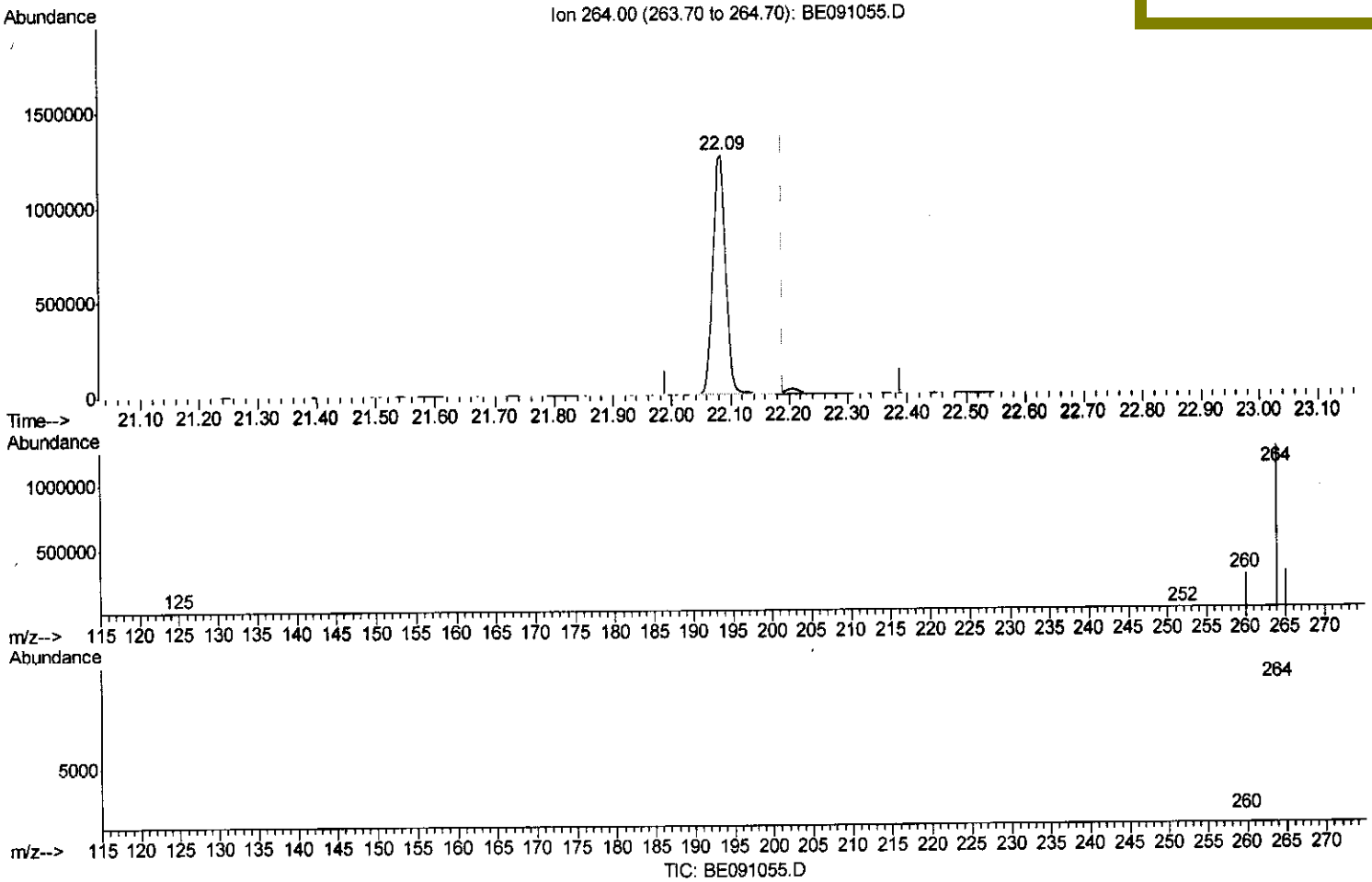
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_E\Data\Be102715\
Data File : BE091055.D
Acq On : 27 Oct 2015 18:59
Operator : UM/NP
Sample : G4075-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 28 10:19:03 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 28 03:57:22 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
JG9K7RE

Manual Integrations APPROVED
MmDadoda
10/28/2015 6:36:51 PM



(22) Perylene-d12 (I)

22.085min (-0.104) 0.40ng/ul

response 1911242

Ion	Exp%	Act%
264.00	100	100
260.00	28.90	21.29#
265.00	34.70	23.05#
0.00	0.00	0.00

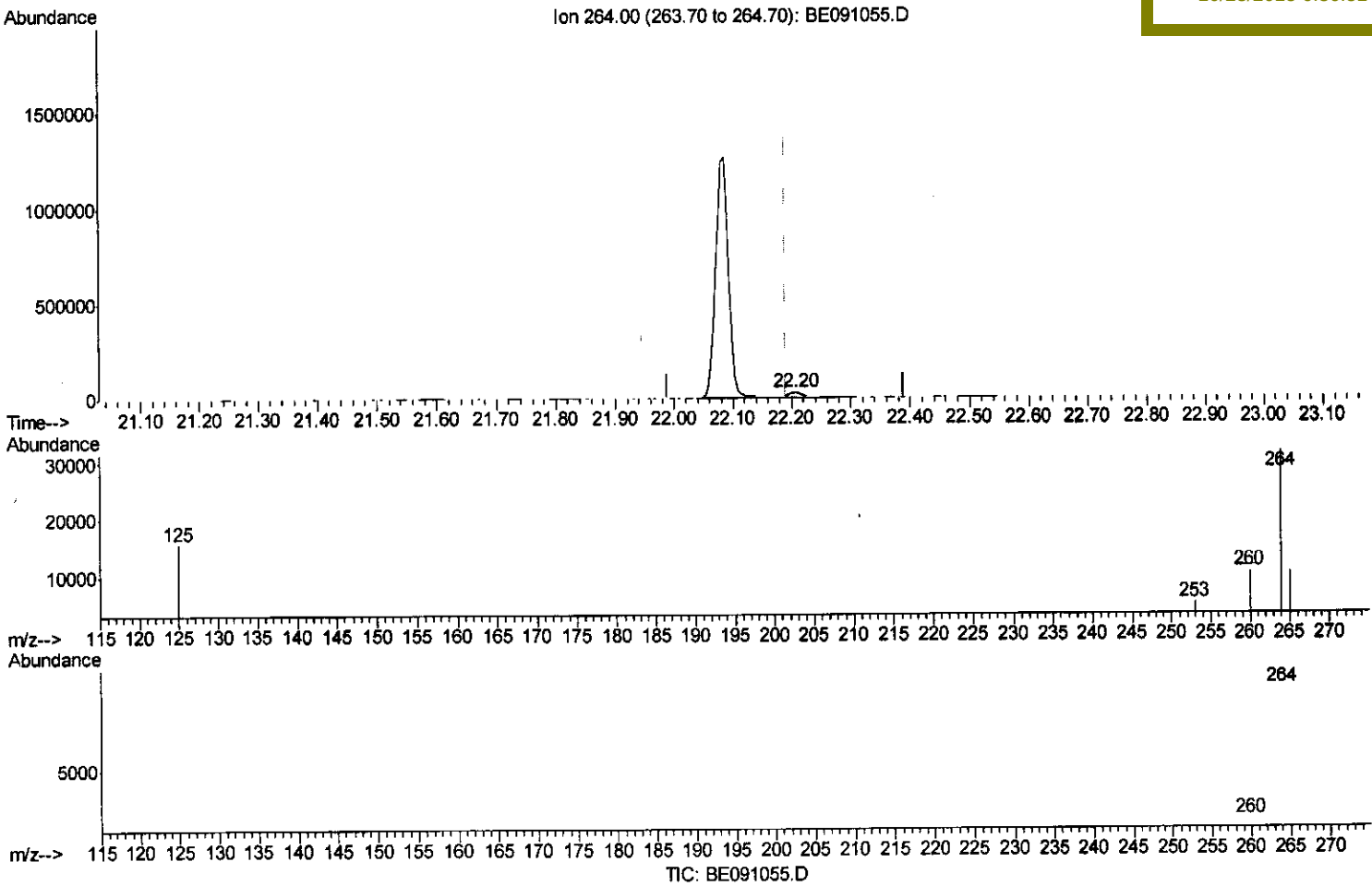
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_E\Data\Be102715\
Data File : BE091055.D
Acq On : 27 Oct 2015 18:59
Operator : UM/NP
Sample : G4075-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 28 10:19:03 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 28 03:57:22 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
JG9K7RE

Manual Integrations APPROVED
MmDadoda
10/28/2015 6:36:51 PM



(22) Perylene-d12 (I)

22.203min (+0.014) 0.40ng/ul m U.M

response 38908 10/28/15

ion	Exp%	Act%
264.00	100	100
260.00	28.90	32.67
265.00	34.70	32.42
0.00	0.00	0.00

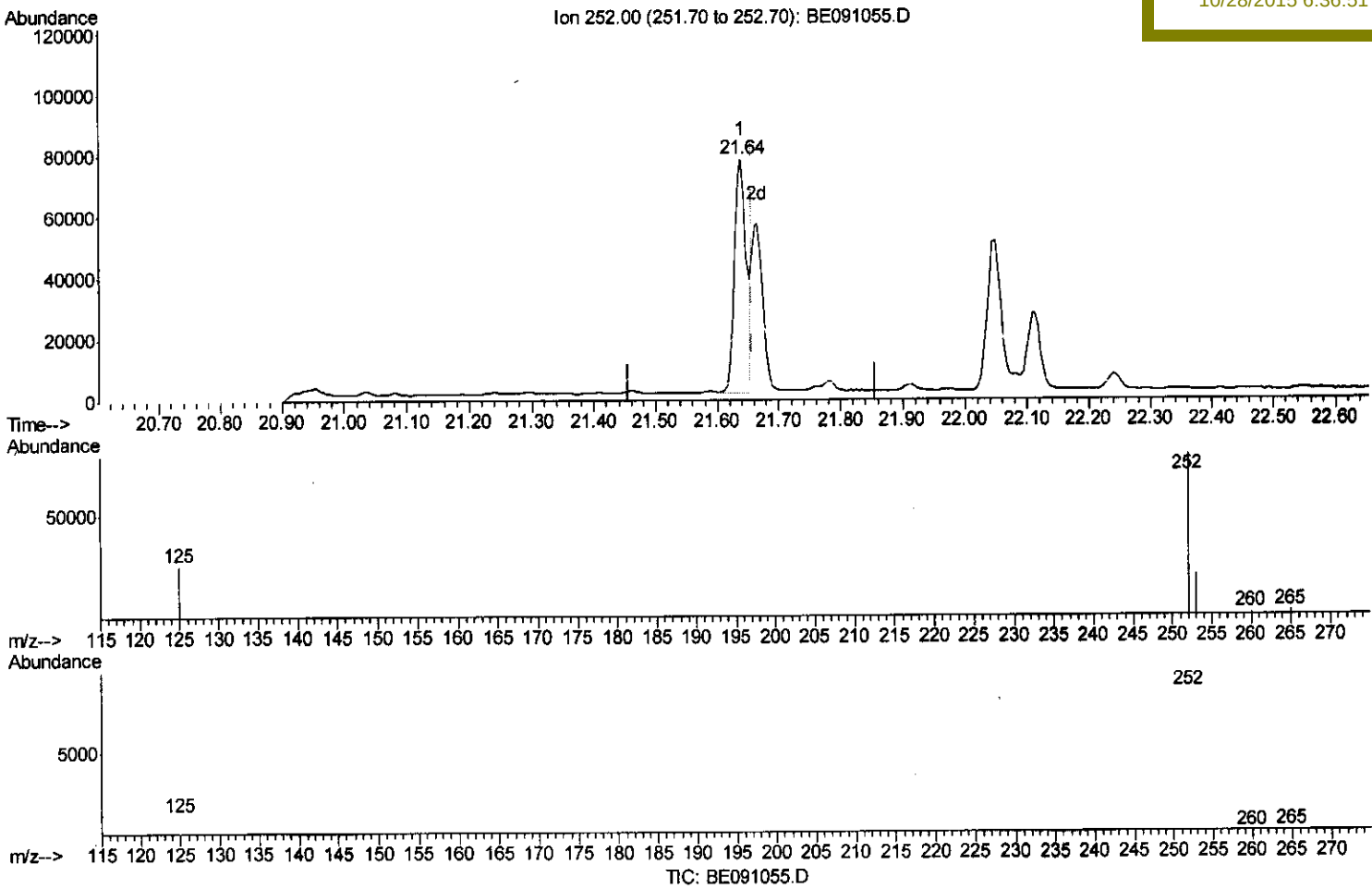
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_E\Data\Be102715\
Data File : BE091055.D
Acq On : 27 Oct 2015 18:59
Operator : UM/NP
Sample : G4075-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 28 10:21:04 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 28 03:57:22 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
JG9K7RE

Manual Integrations APPROVED
MmDadoda
10/28/2015 6:36:51 PM



(24) Benzo(k)fluoranthene

21.639min (-0.018) 0.82ng/ul

response 102445

Ion	Exp%	Act%
252.00	100	100
253.00	26.00	27.17
125.00	15.30	33.23#
0.00	0.00	0.00

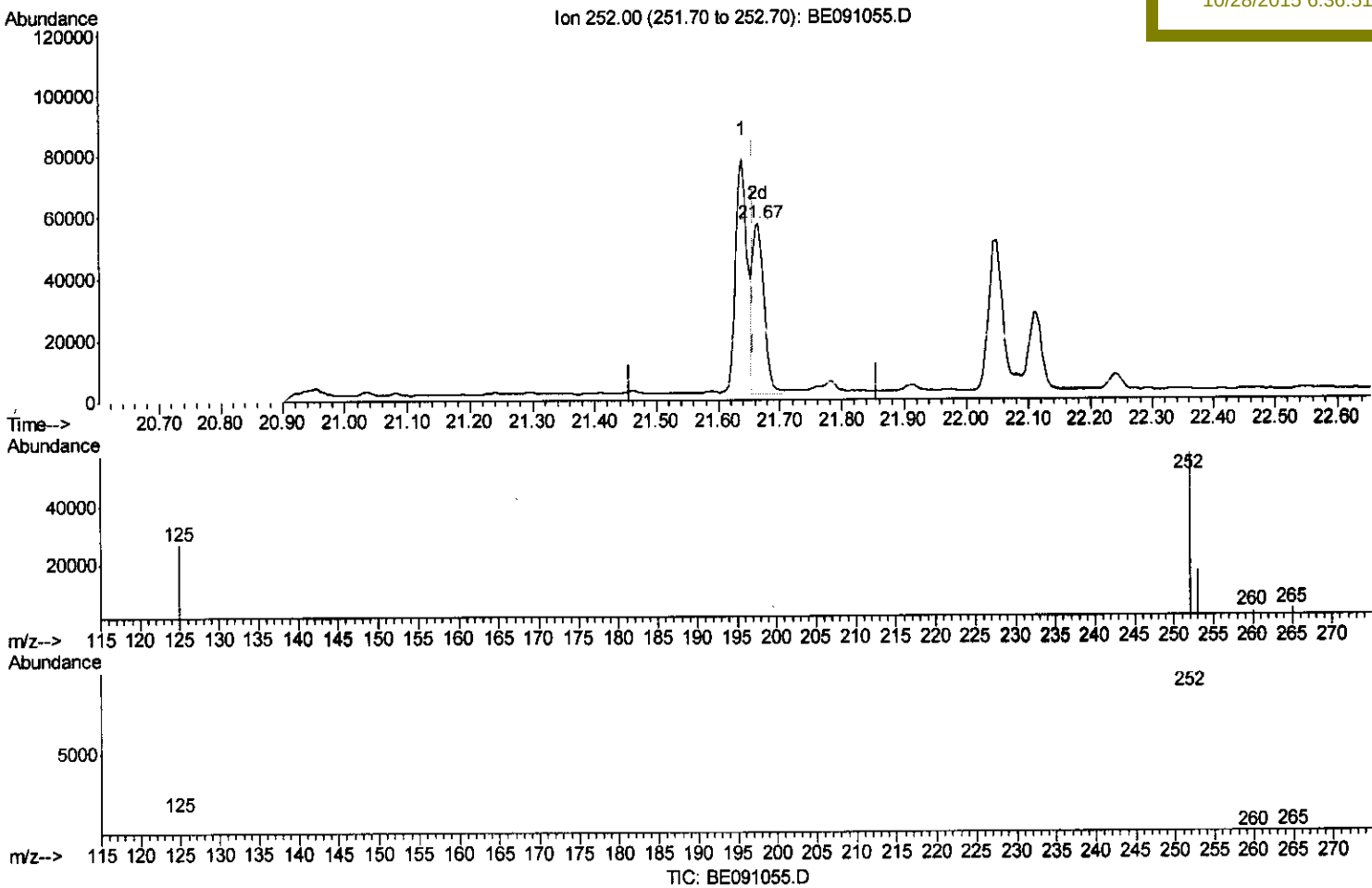
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_E\Data\Be102715\
Data File : BE091055.D
Acq On : 27 Oct 2015 18:59
Operator : UM/NP
Sample : G4075-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 28 10:21:04 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 28 03:57:22 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
JG9K7RE

Manual Integrations APPROVED
MmDadoda
10/28/2015 6:36:51 PM



(24) Benzo(k)fluoranthene

21.666min (+0.009) 0.56ng/ul m U.M 10/29/15

response 70009

Ion	Exp%	Act%
252.00	100	100
253.00	26.00	29.73
125.00	15.30	46.69#
0.00	0.00	0.00

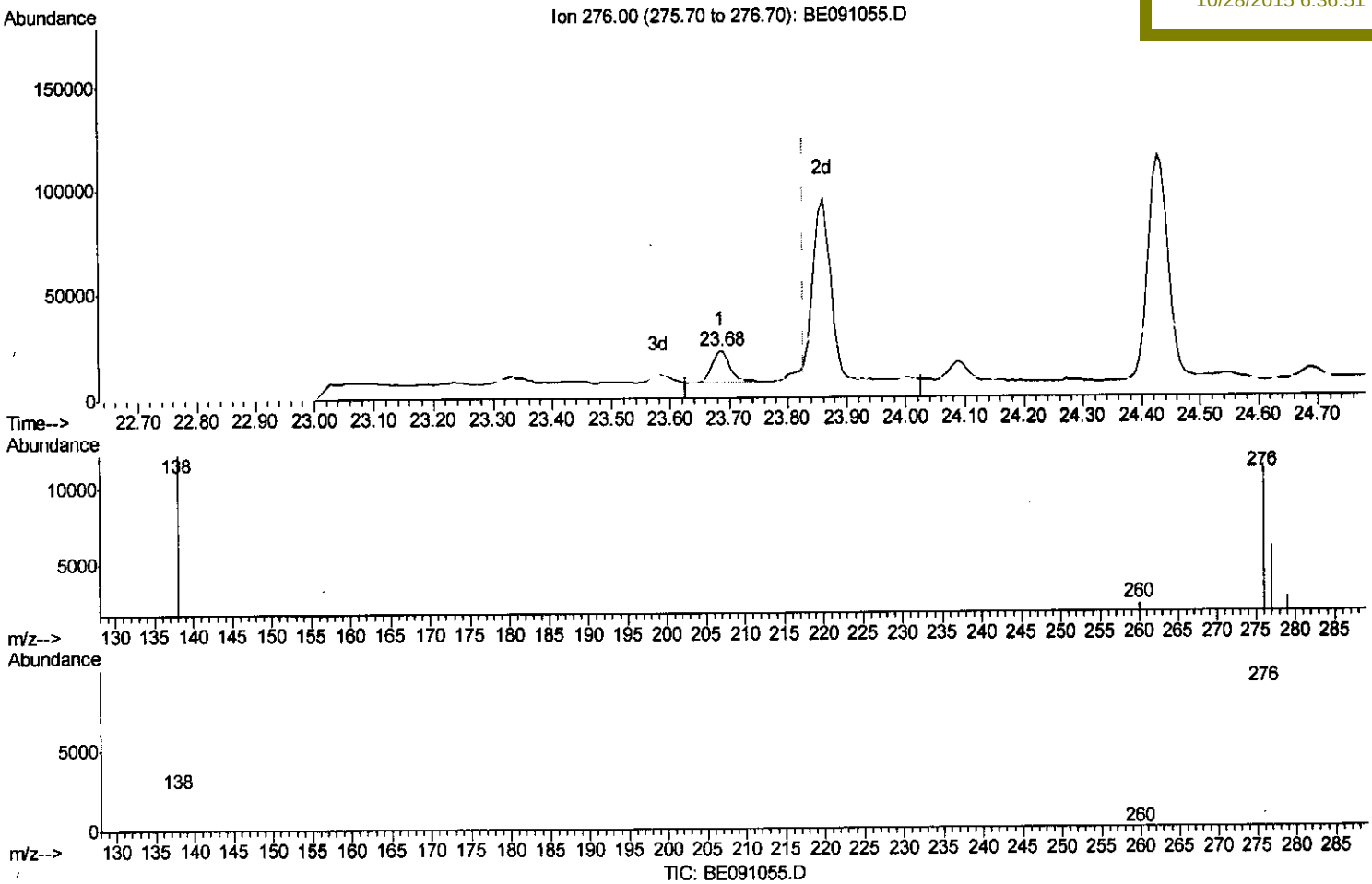
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_E\Data\Be102715\
Data File : BE091055.D
Acq On : 27 Oct 2015 18:59
Operator : UM/NP
Sample : G4075-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 28 10:21:04 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 28 03:57:22 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
JG9K7RE

Manual Integrations APPROVED
MmDadoda
10/28/2015 6:36:51 PM



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

23.684min (-0.143) 0.07ng/ul

response 34216

Ion	Exp%	Act%
276.00	100	100
138.00	34.40	29.11
277.00	24.10	24.77
0.00	0.00	0.00

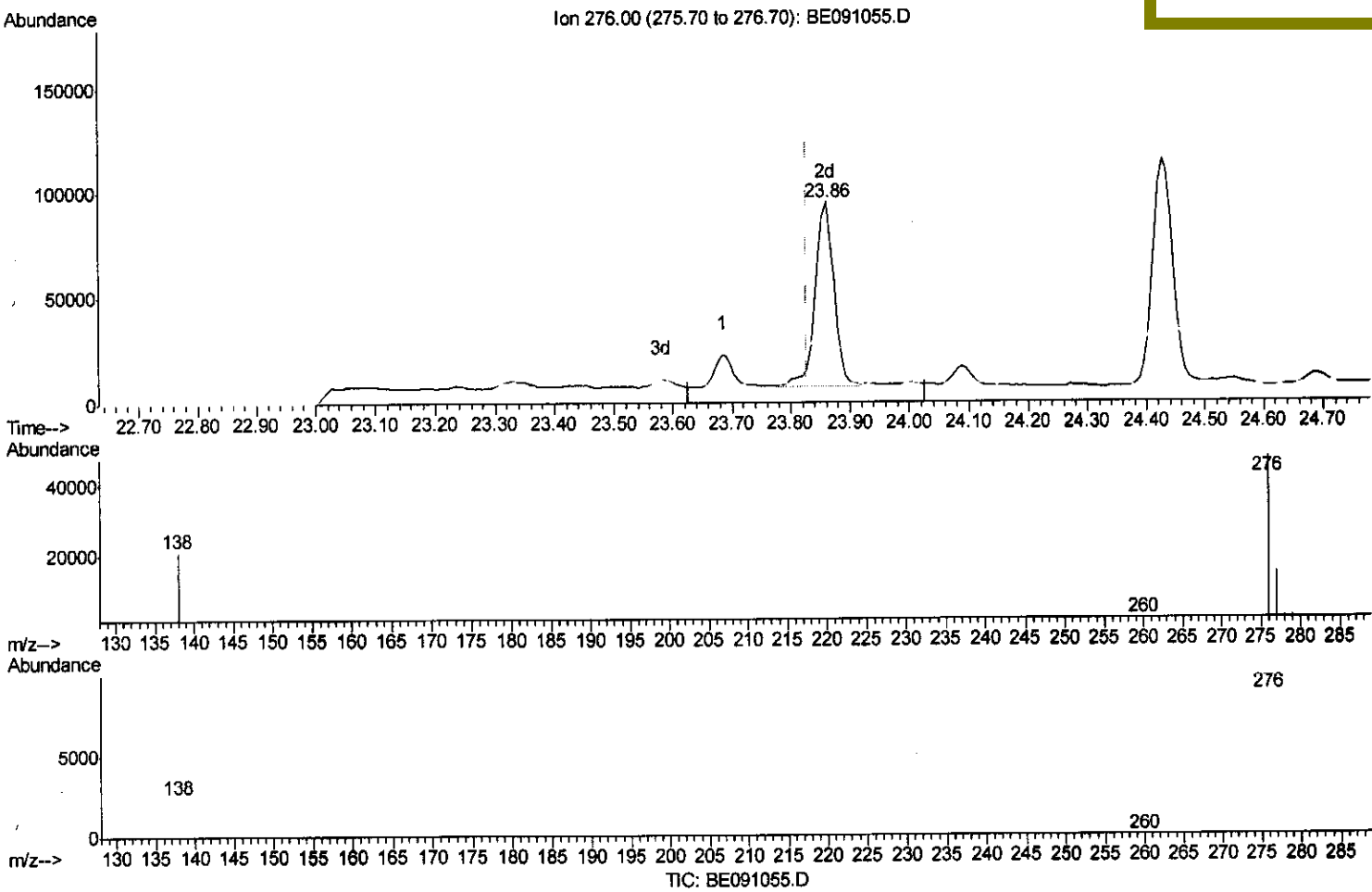
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_E\Data\Be102715\
Data File : BE091055.D
Acq On : 27 Oct 2015 18:59
Operator : UM/NP
Sample : G4075-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 28 10:21:04 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 28 03:57:22 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
JG9K7RE

Manual Integrations APPROVED
MmDadoda
10/28/2015 6:36:51 PM



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

23.860min (+0.033) 0.40ng/ul m

response 190527

U.M 10/29/15

Ion	Exp%	Act%
276.00	100	100
138.00	34.40	5.23#
277.00	24.10	4.45#
0.00	0.00	0.00

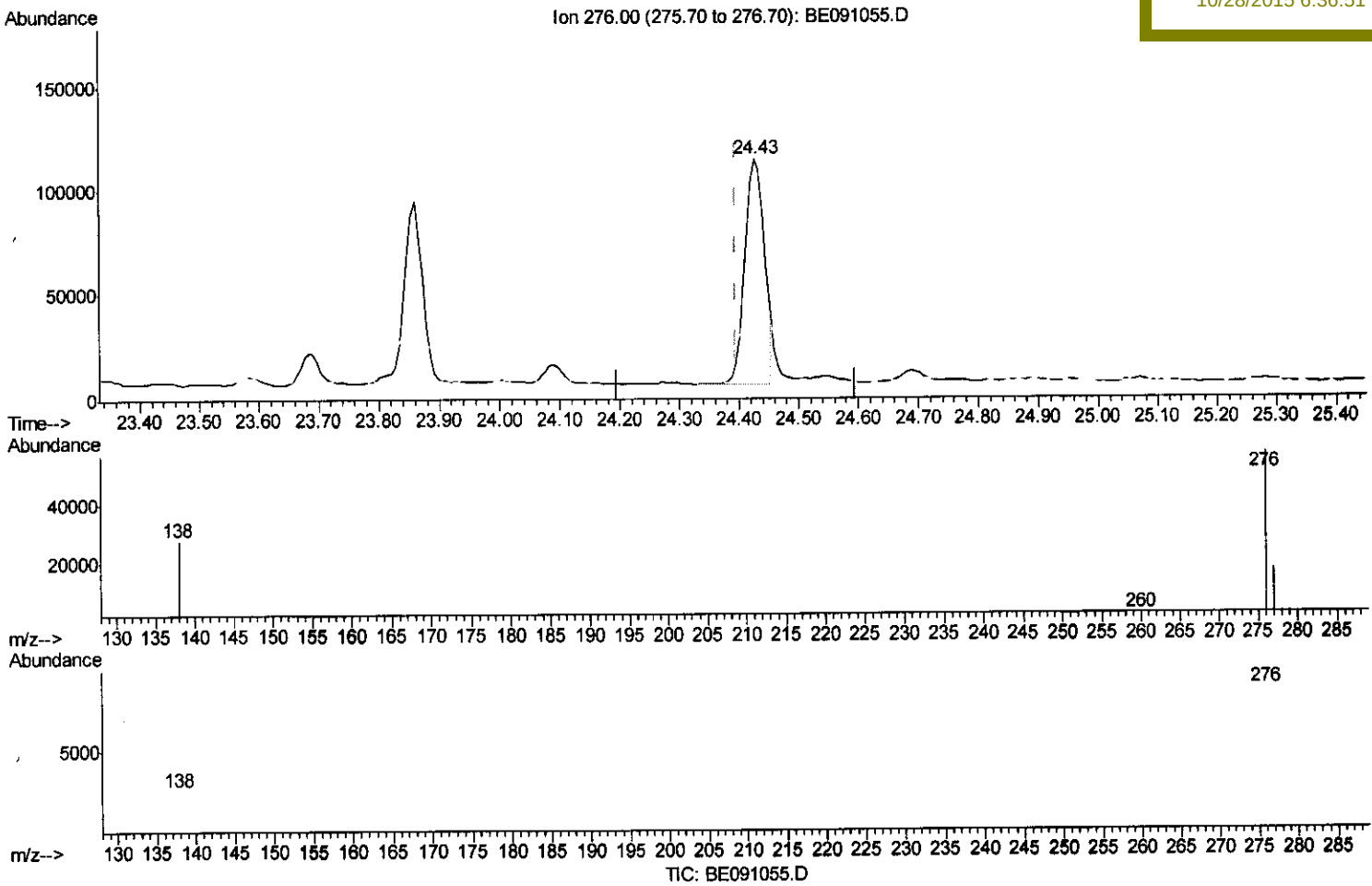
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_E\Data\Be102715\
Data File : BE091055.D
Acq On : 27 Oct 2015 18:59
Operator : UM/NP
Sample : G4075-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 28 10:21:04 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 28 03:57:22 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
JG9K7RE

Manual Integrations APPROVED
MmDadoda
10/28/2015 6:36:51 PM



TIC: BE091055.D

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

24.427min (+0.033) 0.50ng/ul

response 249333

Ion	Exp%	Act%
276.00	100	100
277.00	26.60	29.74
138.00	31.90	48.08#
0.00	0.00	0.00

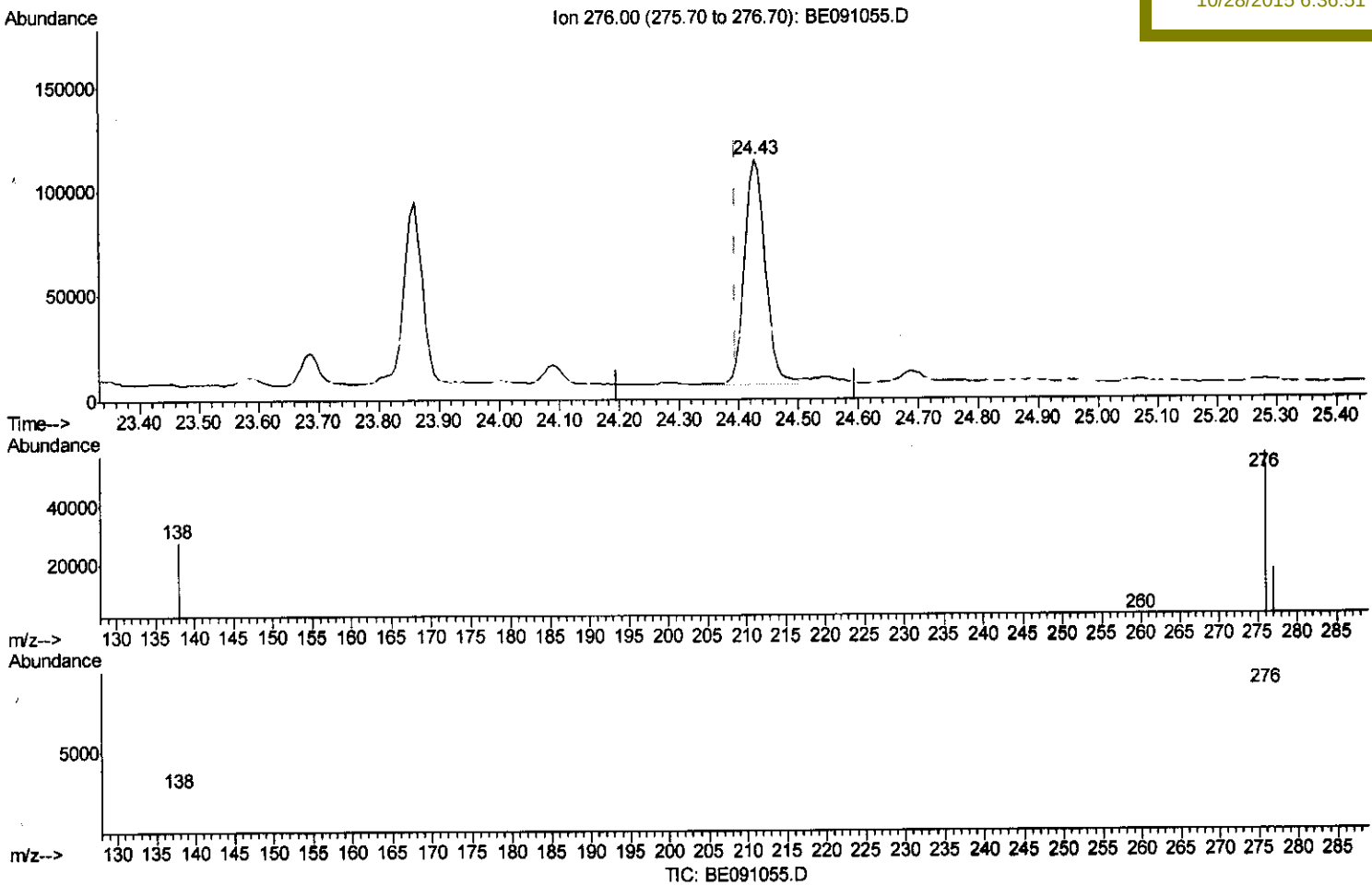
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_E\Data\Be102715\
Data File : BE091055.D
Acq On : 27 Oct 2015 18:59
Operator : UM/NP
Sample : G4075-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 28 10:21:04 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 28 03:57:22 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
JG9K7RE

Manual Integrations APPROVED
MmDadoda
10/28/2015 6:36:51 PM



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

24.427min (+0.033) 0.54ng/ul m U,M 10/29/15

response 266467

Ion	Exp%	Act%
276.00	100	100
277.00	26.60	29.74
138.00	31.90	48.08#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\Data\Be102715\
Data File : BE091055.D
Acq On : 27 Oct 2015 18:59
Operator : UM/NP
Sample : G4075-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Instrument : BNA_E
ClientSampleId : JG9K7RE

Manual Integrations APPROVED
MmDadoda
10/28/2015 6:36:51 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	6604	0.40	ng/ul	-0.02
4) Naphthalene-d8	9.57	136	34465	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.41	164	20685	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	44277m	0.40	ng/ul	0.00
18) Chrysene-d12	20.30	240	43256	0.40	ng/ul	0.01
22) Perylene-d12	22.20	264	38908m	0.40	ng/ul	0.01
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.91	96	23369	4.92	ng/uL	-0.07
6) 2-Methylnaphthalene-d10	11.07	152	9830	0.21	ng/ul	-0.01
16) Fluoranthene-d10	18.13	212	24285	0.19	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	9.61	128	2131	0.03	ng/ul#	71
7) 2-Methylnaphthalene	11.14	142	1244	0.02	ng/ul	87
9) Acenaphthylene	13.15	152	5197	0.05	ng/ul#	89
11) Fluorene	14.45	166	1778	0.02	ng/ul#	96
13) Pentachlorophenol	15.89	266	808	0.19	ng/ul	95
14) Phenanthrene	16.17	178	228387	0.45	ng/ul	100
15) Anthracene	16.26	178	43132m	0.09	ng/ul	
17) Fluoranthene	18.16	202	599079	1.00	ng/ul	88
19) Pyrene	18.54	202	510734	1.04	ng/ul#	78
20) Benzo(a)anthracene	20.27	228	20326	0.18	ng/ul#	72
21) Chrysene	20.32	228	84029	0.66	ng/ul#	95
23) Benzo(b)fluoranthene	21.64	252	102445	0.84	ng/ul	82
24) Benzo(k)fluoranthene	21.67	252	70009m	0.56	ng/ul	
25) Benzo(a)pyrene	22.05	252	80905	0.72	ng/ul#	67
26) Indeno(1,2,3-cd)pyrene	23.86	276	190527m	0.40	ng/ul	
28) Benzo(g,h,i)perylene	24.43	276	266467m	0.54	ng/ul	

U.M 10/29/15

U.M 10/29/15

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