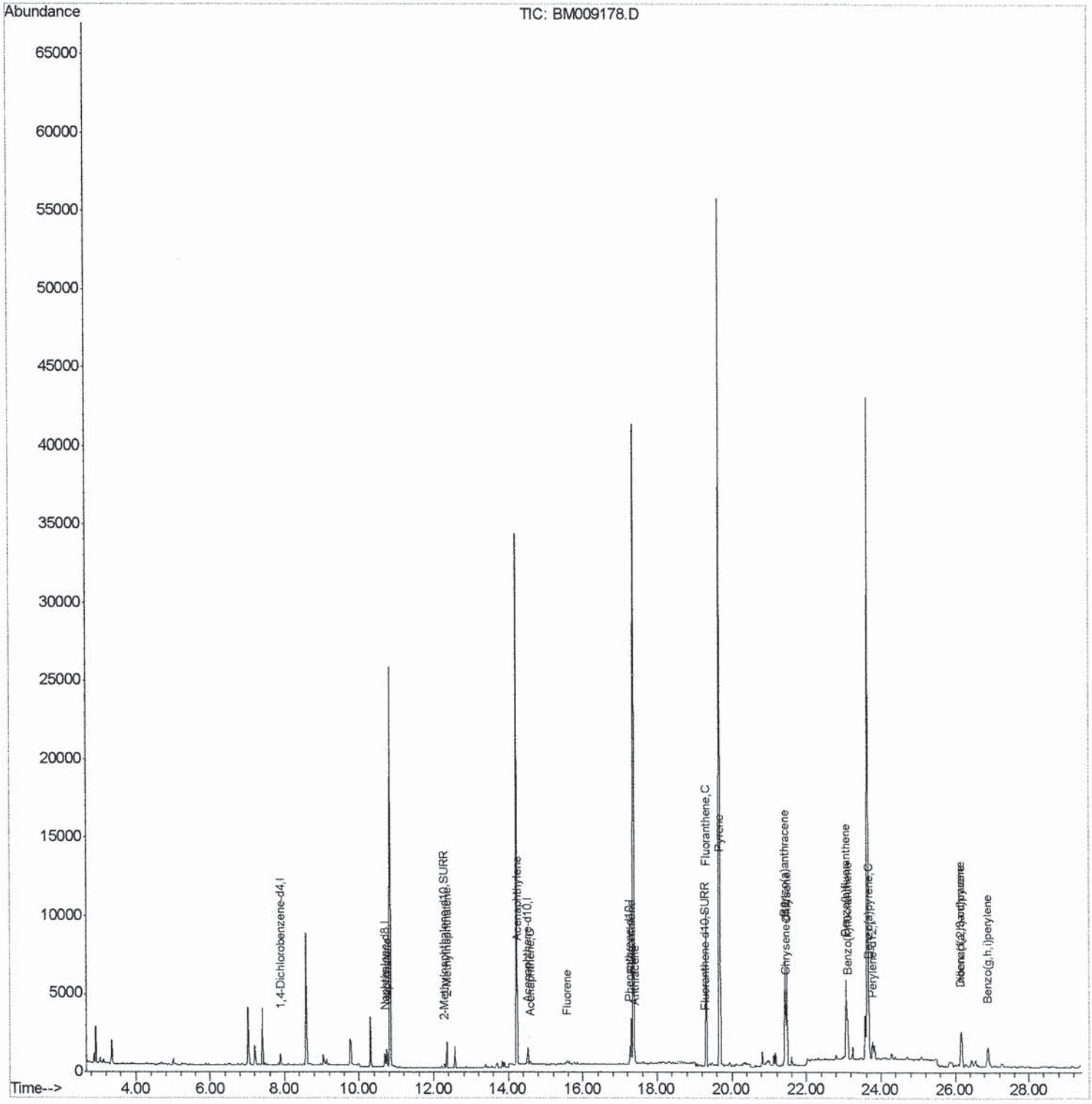
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009178.D
Acq On : 10 Mar 2017 16:22
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 10 17:25:22 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AJ9

Manual Integrations APPROVED
mohammad
3/13/2017 2:13:38 PM



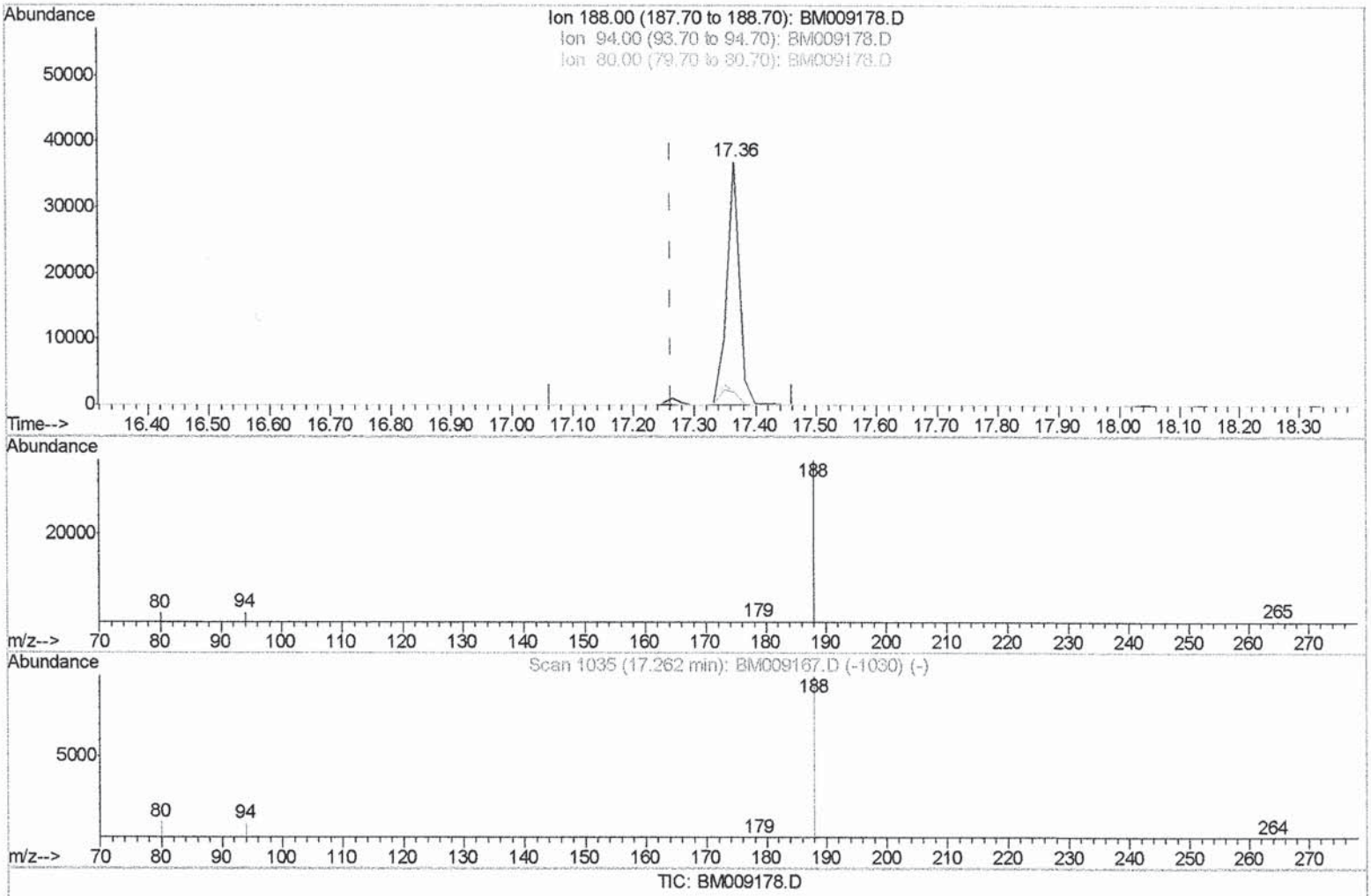
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009178.D
Acq On : 10 Mar 2017 16:22
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 10 17:19:51 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AJ9

Manual Integrations APPROVED
mohammad
3/13/2017 2:13:38 PM



TIC: BM009178.D

(10) Phenanthrene-d10 (I)

17.365min (+0.103) 0.40ng/ul

response 52297

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	5.65#
80.00	11.80	5.31#
0.00	0.00	0.00

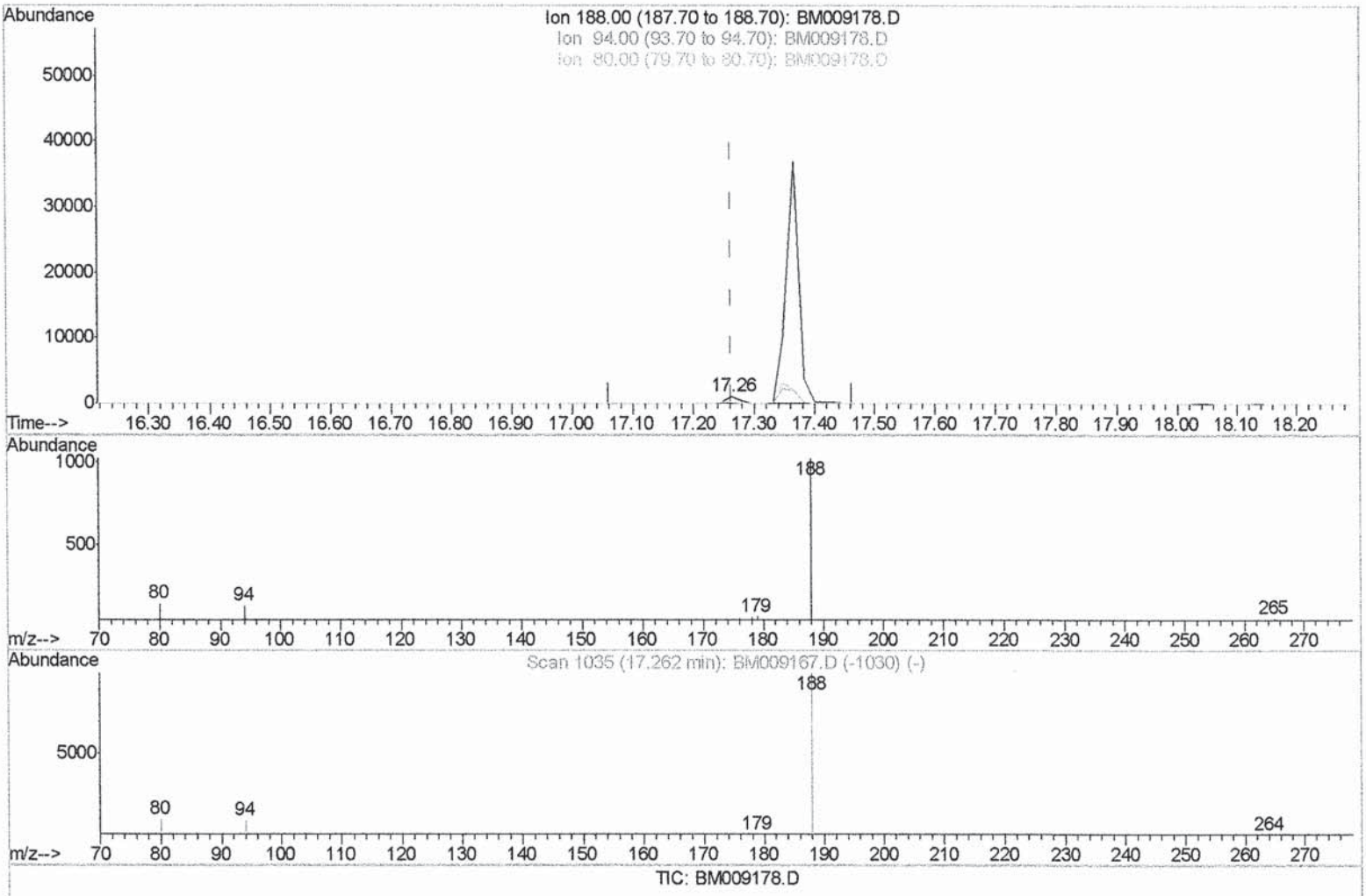
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009178.D
Acq On : 10 Mar 2017 16:22
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 10 17:19:51 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AJ9

Manual Integrations APPROVED
mohammad
3/13/2017 2:13:38 PM



TIC: BM009178.D

(10) Phenanthrene-d10 (I)

17.262min (+0.000) 0.40ng/ul m SJ 03/13/17

response 1389

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	12.62
80.00	11.80	13.99
0.00	0.00	0.00

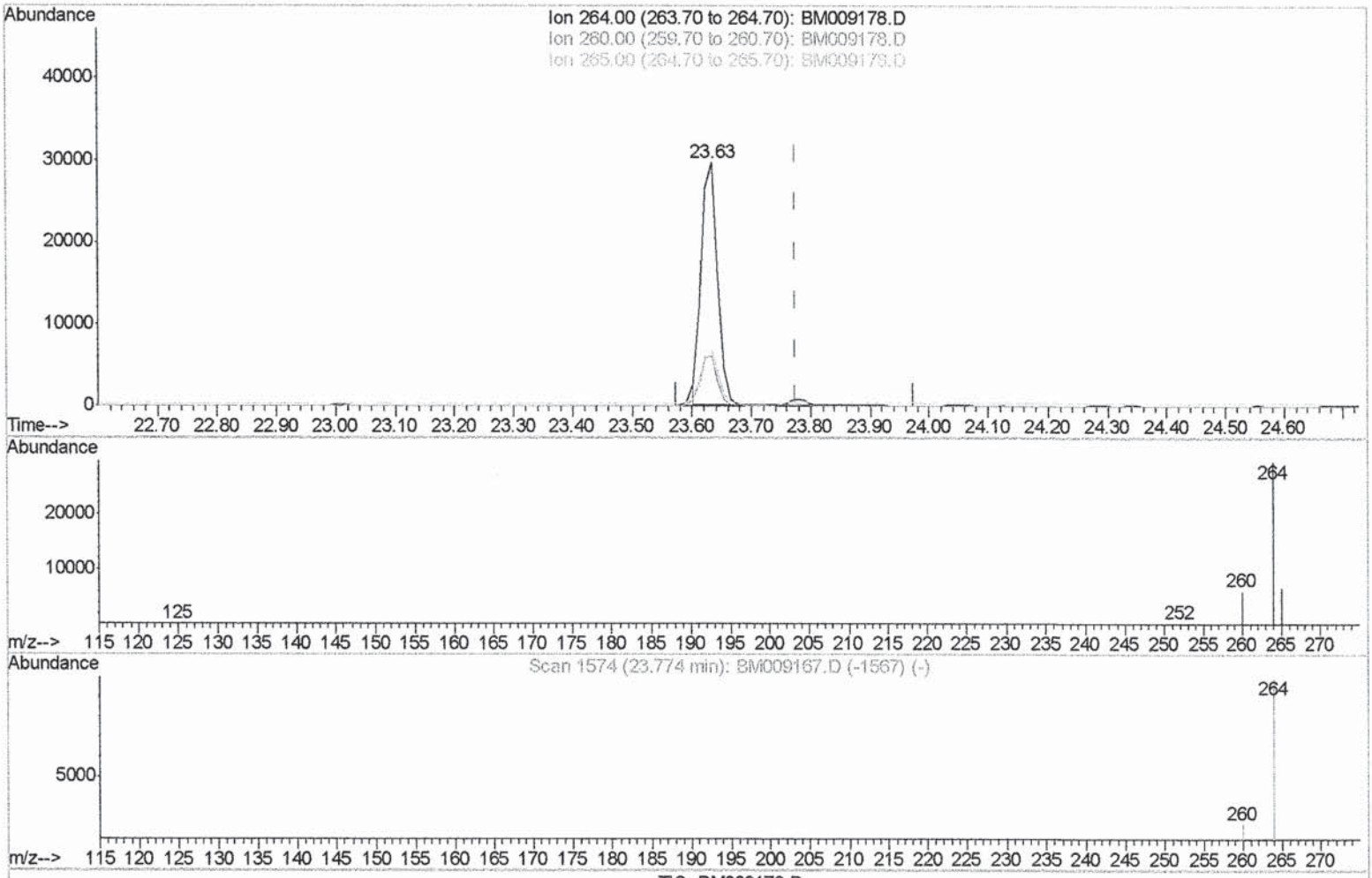
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009178.D
Acq On : 10 Mar 2017 16:22
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 10 17:21:28 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AJ9

Manual Integrations APPROVED
mohammad
3/13/2017 2:13:38 PM



TIC: BM009178.D

(20) Perylene-d12 (I)

23.632min (-0.142) 0.40ng/ul

response 55970

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.41#
265.00	103.50	22.65#
0.00	0.00	0.00

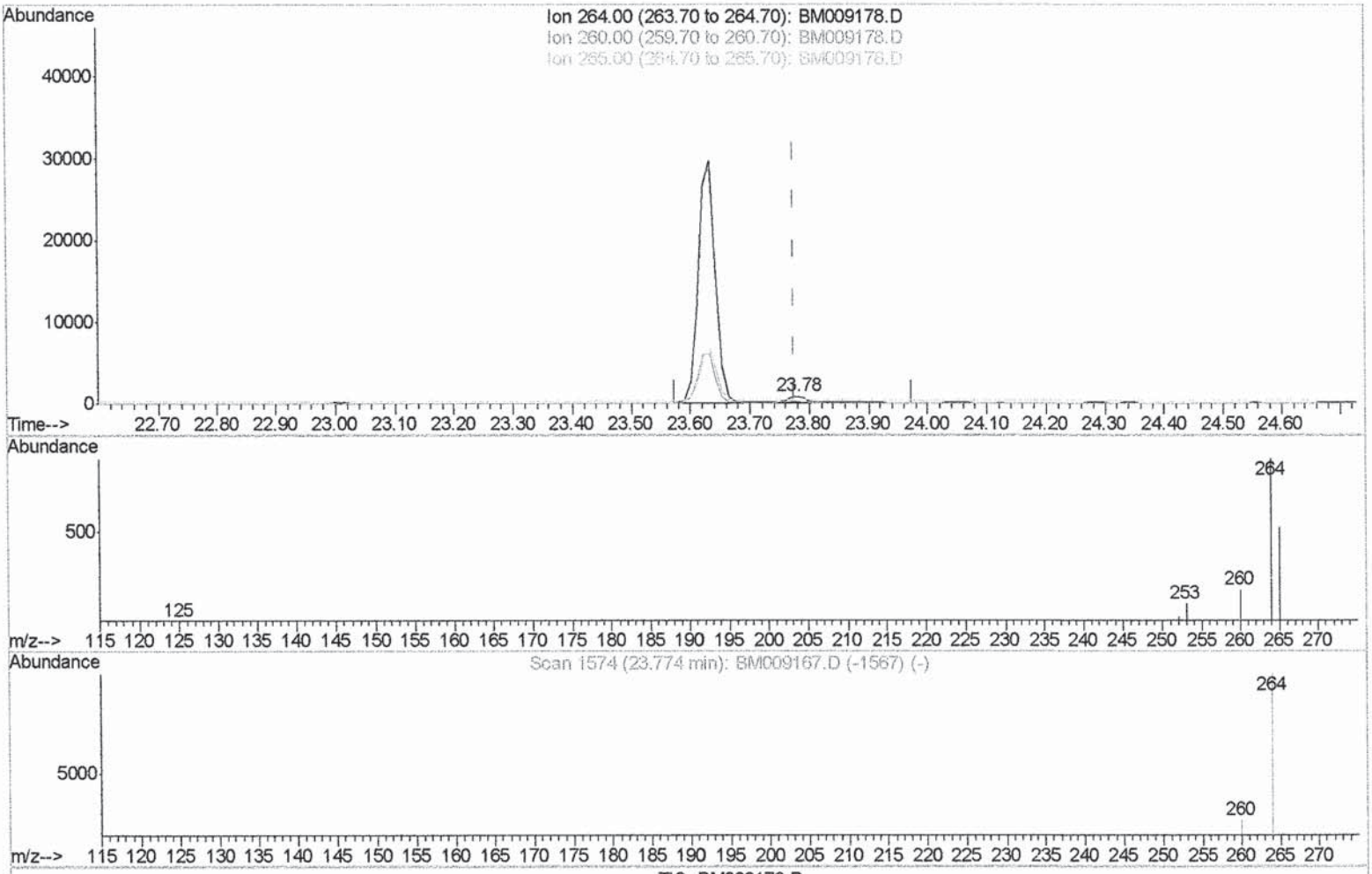
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009178.D
Acq On : 10 Mar 2017 16:22
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 10 17:21:28 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AJ9

Manual Integrations APPROVED
mohammad
3/13/2017 2:13:38 PM



TIC: BM009178.D

(20) Perylene-d12 (I)

23.778min (+0.004) 0.40ng/ul m > SJ 03/13/17

response 1480

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	29.40
265.00	103.50	63.18#
0.00	0.00	0.00

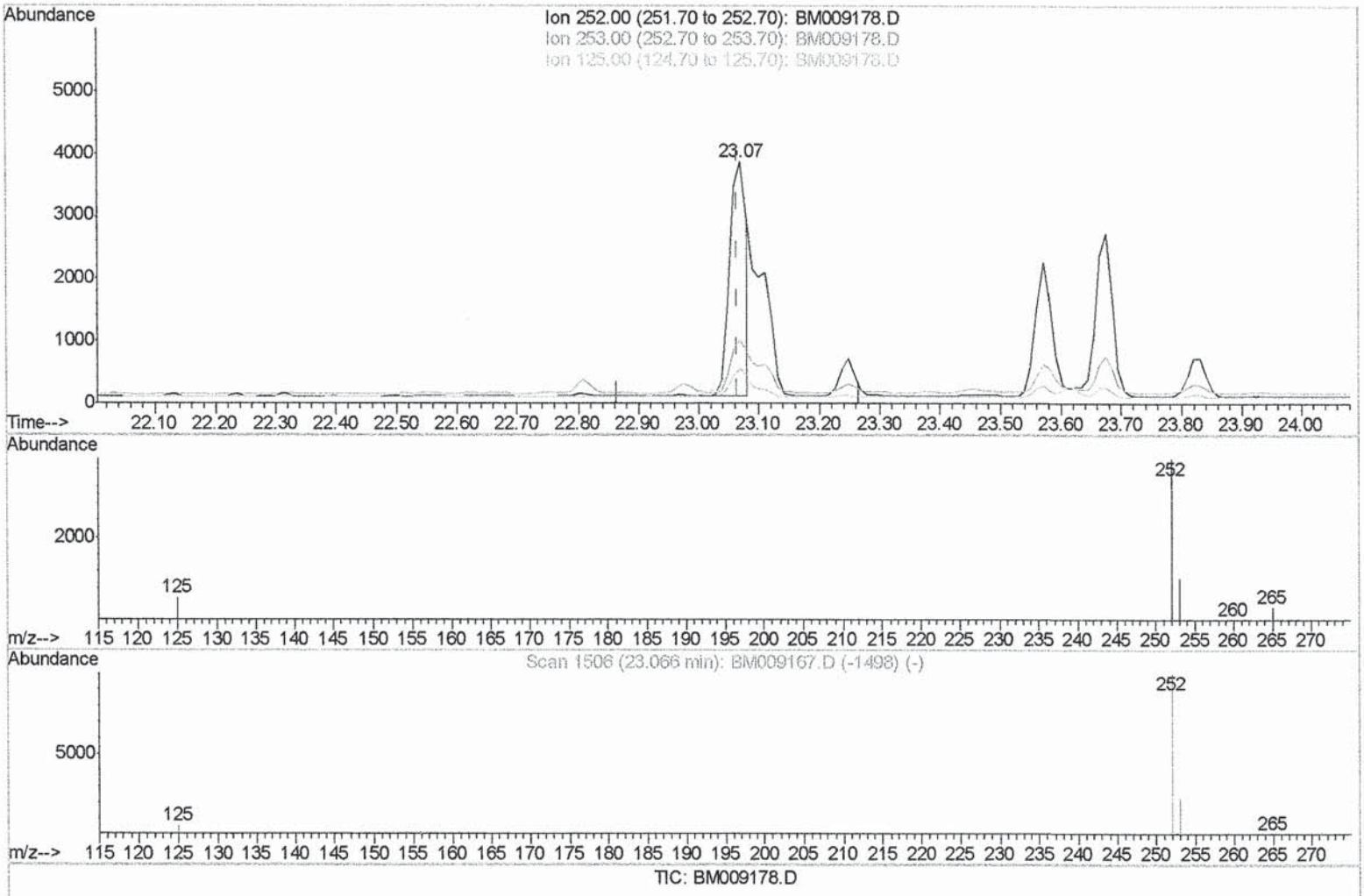
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009178.D
Acq On : 10 Mar 2017 16:22
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 10 17:22:21 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AJ9

Manual Integrations APPROVED
mohammad
3/13/2017 2:13:38 PM



TIC: BM009178.D

(21) Benzo(b)fluoranthene

23.069min (+0.004) 1.24ng/ul

response 7233

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	26.41
125.00	17.50	14.65
0.00	0.00	0.00

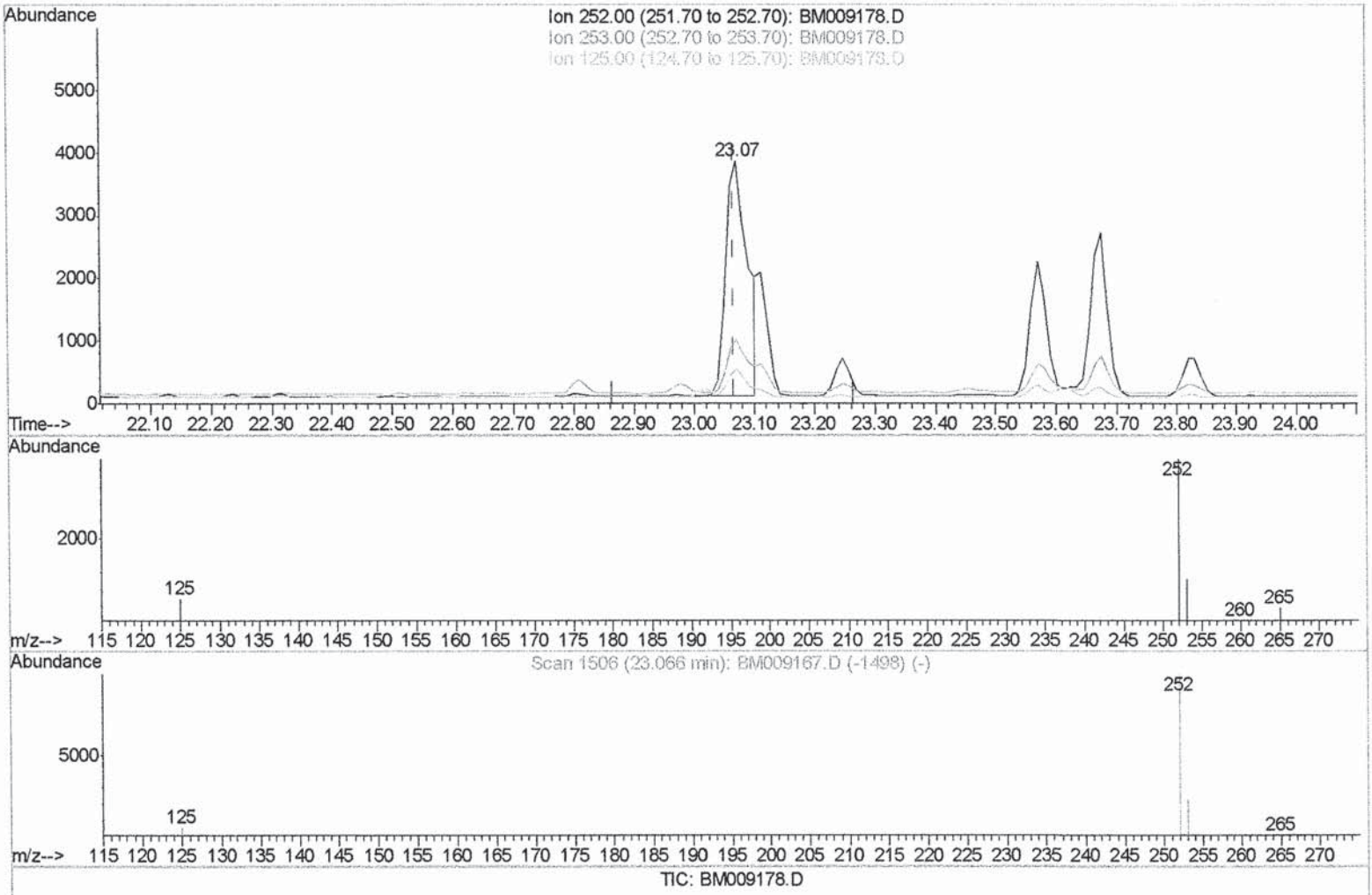
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009178.D
Acq On : 10 Mar 2017 16:22
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 10 17:22:21 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AJ9

Manual Integrations APPROVED
mohammad
3/13/2017 2:13:38 PM



TIC: BM009178.D

(21) Benzo(b)fluoranthene

23.069min (+0.004) 1.66ng/ul m SJ 03/13/17

response 9630

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	26.41
125.00	17.50	14.65
0.00	0.00	0.00

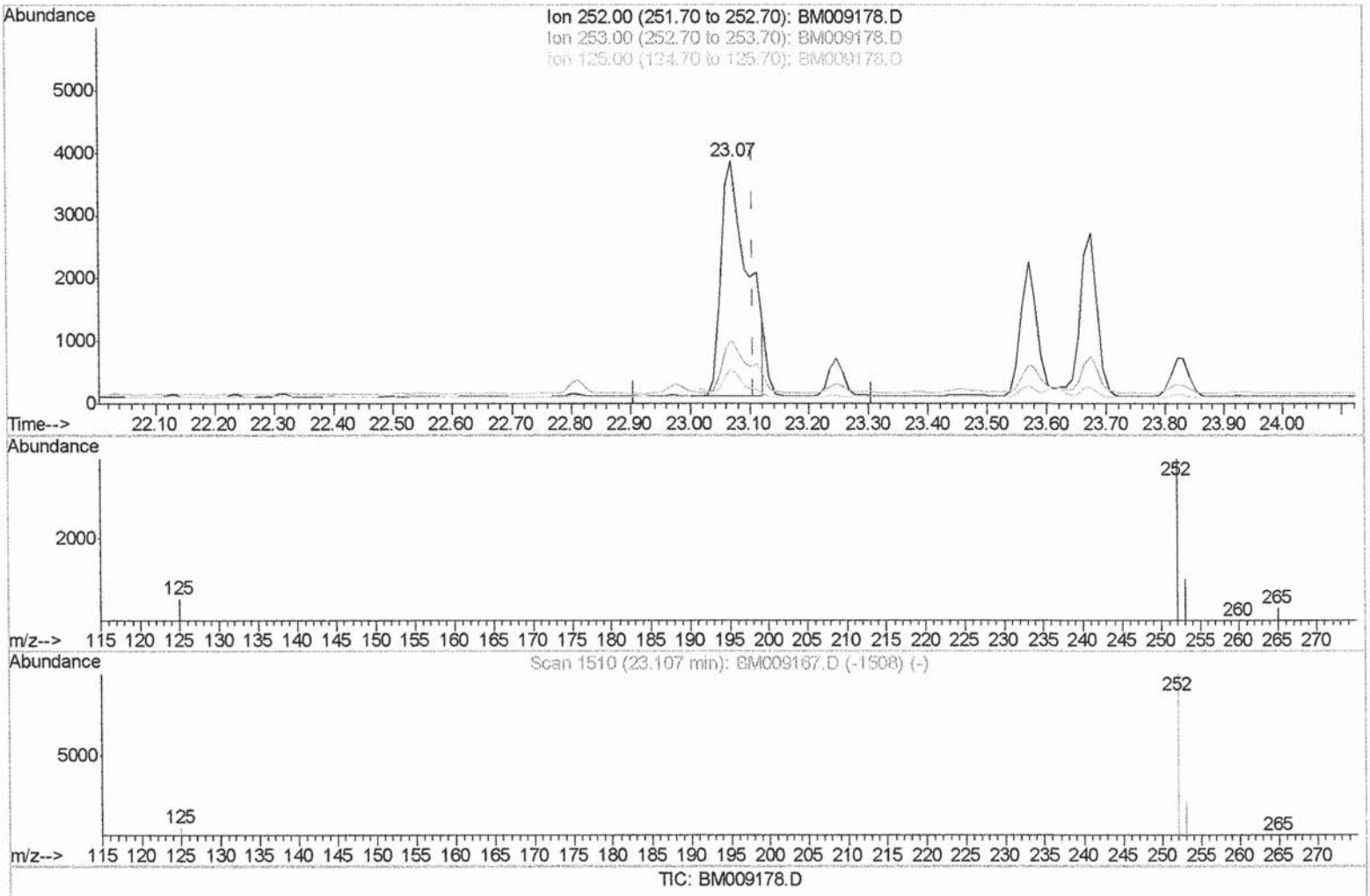
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009178.D
Acq On : 10 Mar 2017 16:22
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 10 17:22:21 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AJ9

Manual Integrations APPROVED
mohammad
3/13/2017 2:13:38 PM



TIC: BM009178.D

(22) Benzo(k)fluoranthene

23.069min (-0.038) 2.27ng/ul

response 11652

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	26.41
125.00	17.10	14.65
0.00	0.00	0.00

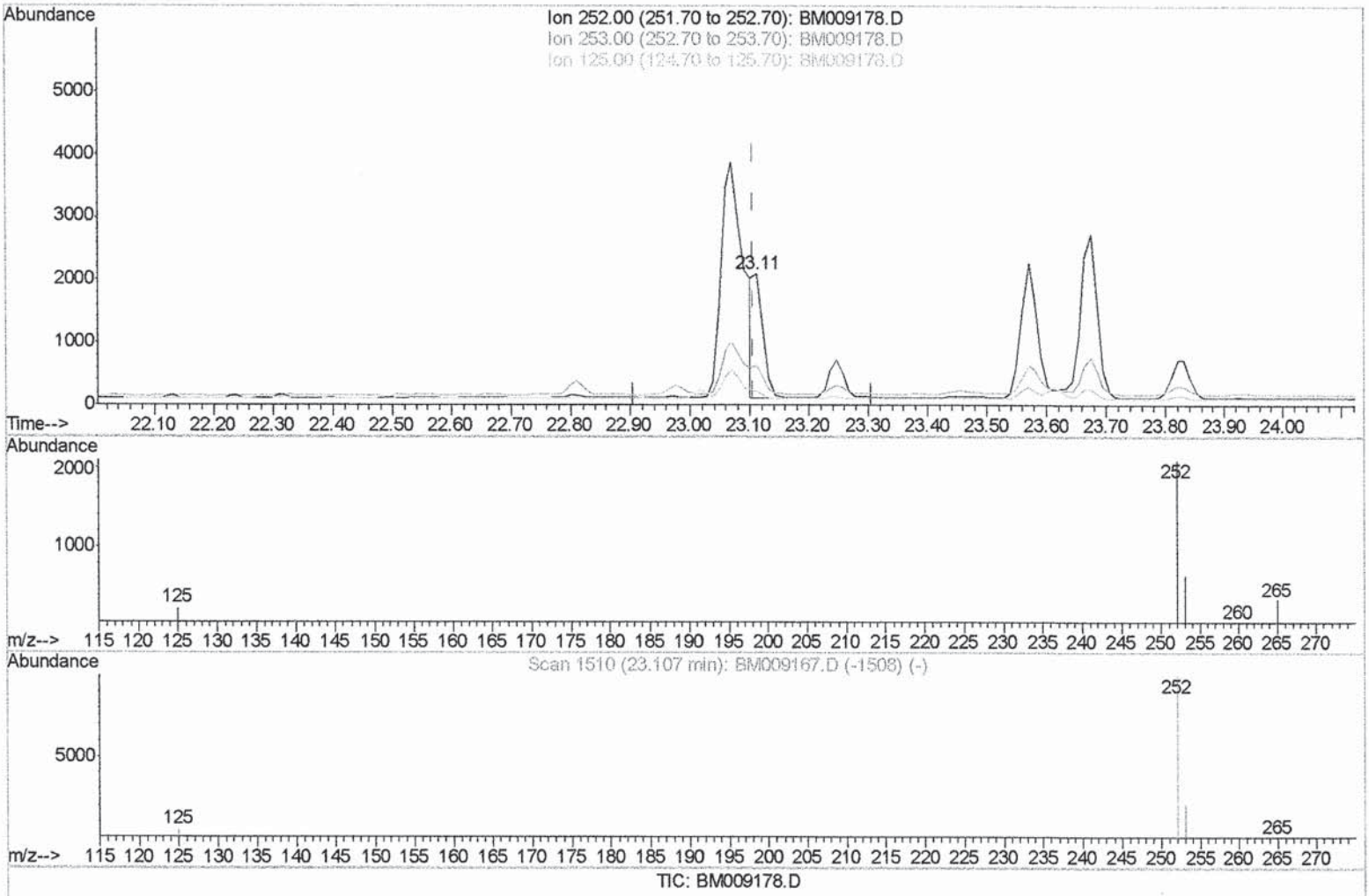
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009178.D
Acq On : 10 Mar 2017 16:22
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 10 17:22:21 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AJ9

Manual Integrations APPROVED
mohammad
3/13/2017 2:13:38 PM



TIC: BM009178.D

(22) Benzo(k)fluoranthene

23.111min (+0.004) 0.44ng/ul m > SJ 03/13/17

response 2255

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	30.48
125.00	17.10	11.00#
0.00	0.00	0.00

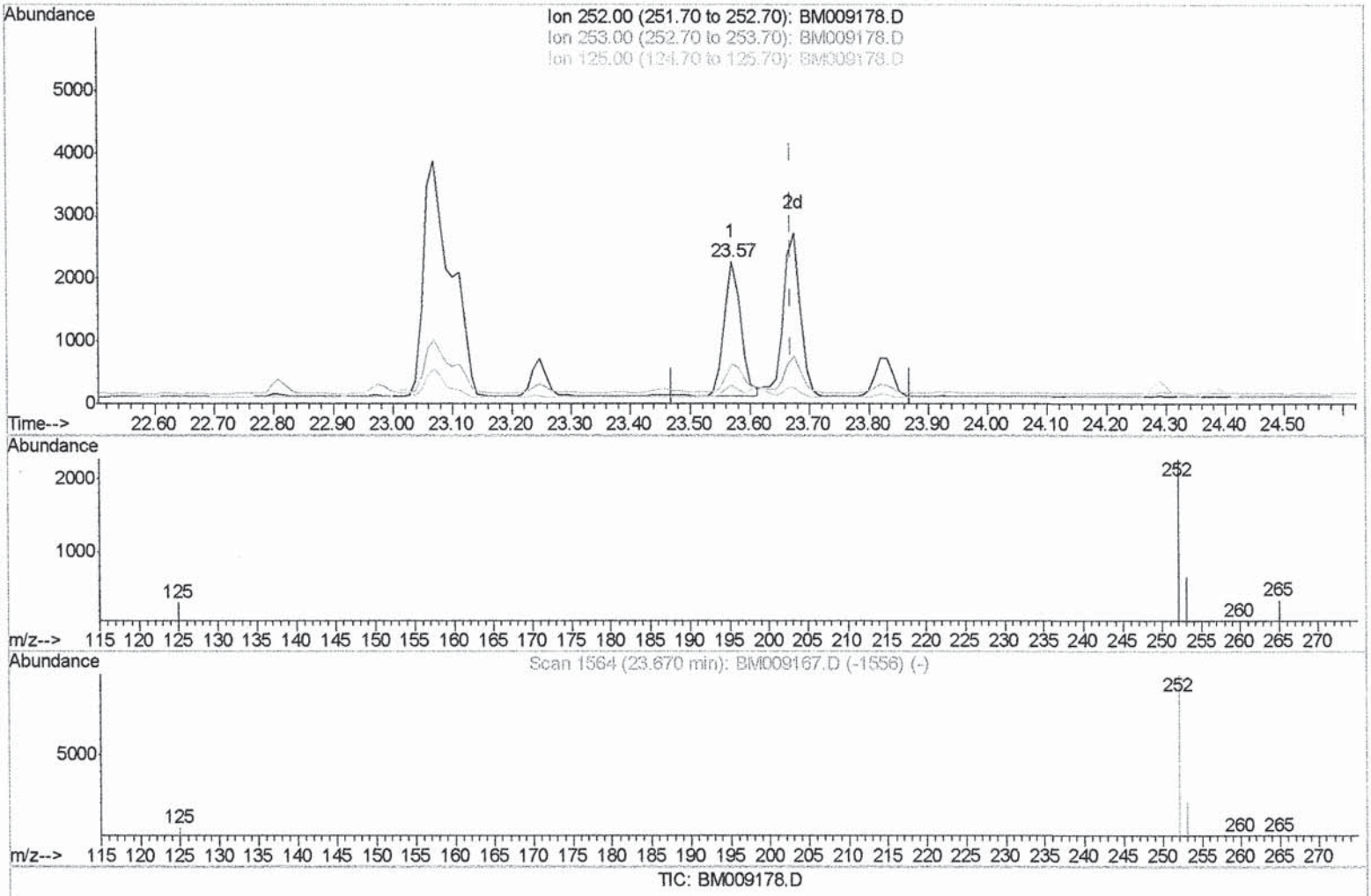
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009178.D
Acq On : 10 Mar 2017 16:22
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 10 17:22:21 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AJ9

Manual Integrations APPROVED
mohammad
3/13/2017 2:13:38 PM



TIC: BM009178.D

(23) Benzo(a)pyrene (C)

23.569min (-0.101) 0.78ng/ul

response 4105

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	28.24#
125.00	22.60	12.93#
0.00	0.00	0.00

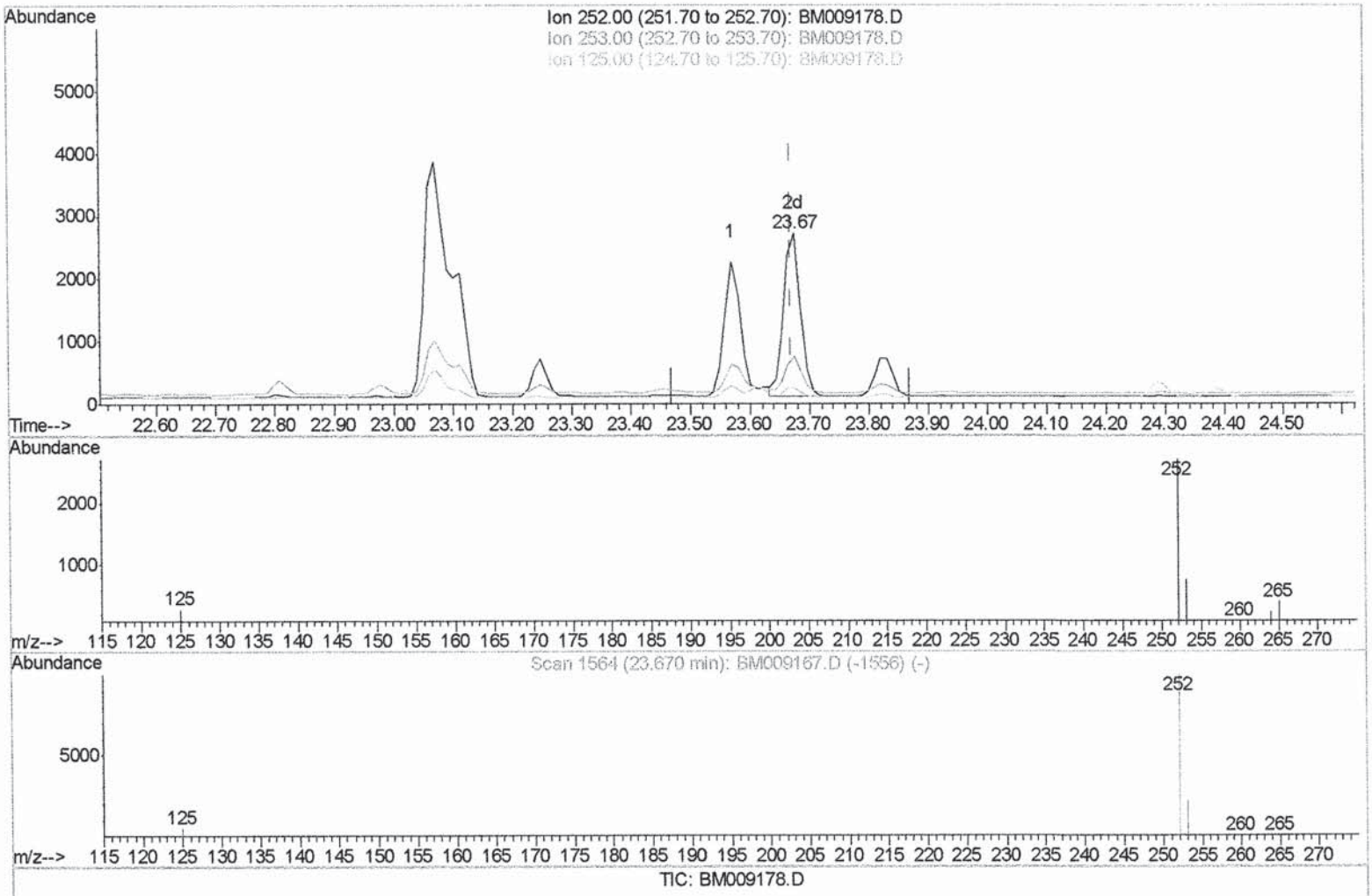
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009178.D
Acq On : 10 Mar 2017 16:22
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 10 17:22:21 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AJ9

Manual Integrations APPROVED
mohammad
3/13/2017 2:13:38 PM



TIC: BM009178.D

(23) Benzo(a)pyrene (C)

23.674min (+0.004) 0.97ng/ul m

response 5064

SJ 03/13/17

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	27.95#
125.00	22.60	10.00#
0.00	0.00	0.00

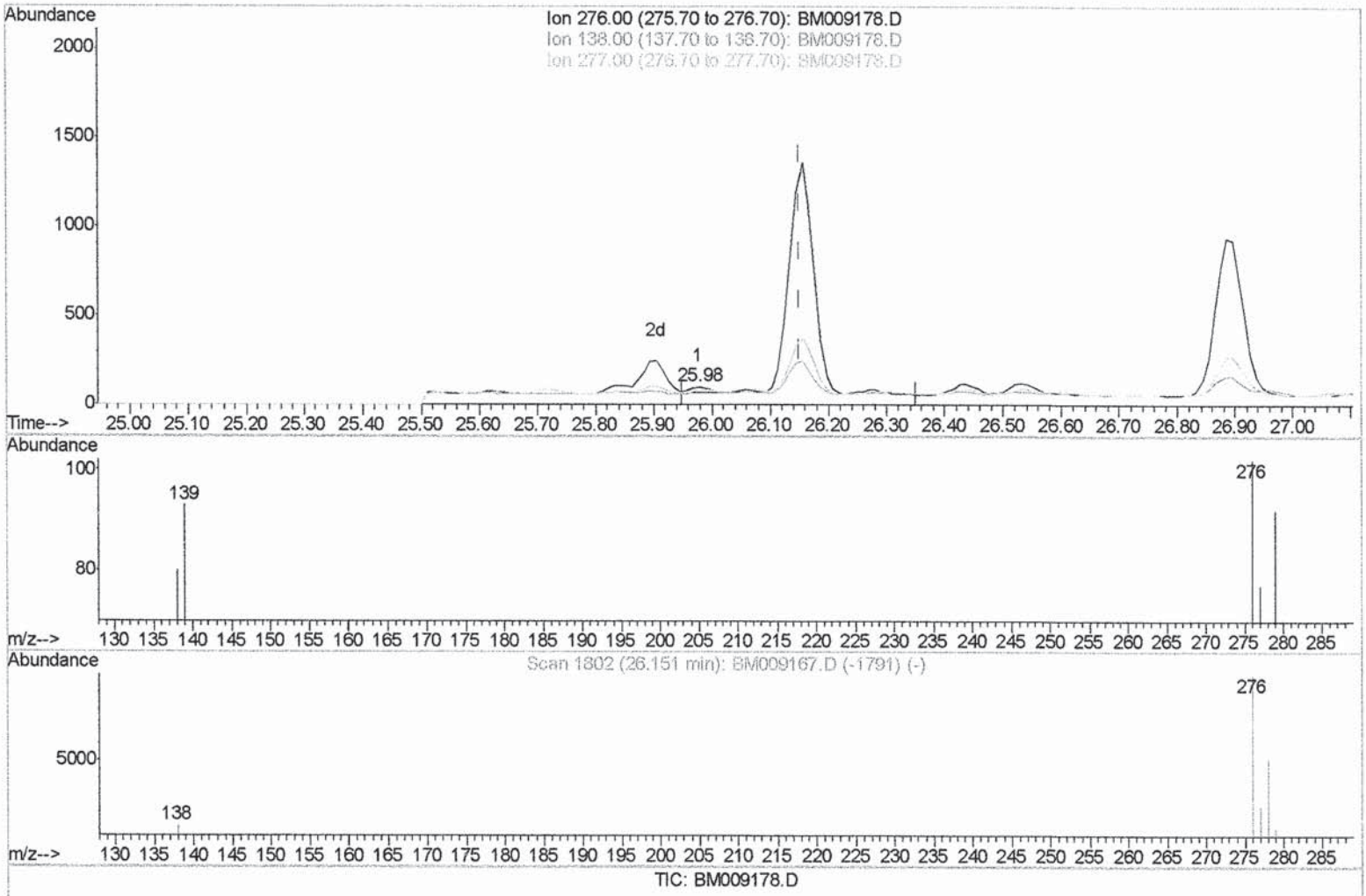
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009178.D
Acq On : 10 Mar 2017 16:22
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 10 17:22:21 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AJ9

Manual Integrations APPROVED
mohammad
3/13/2017 2:13:38 PM



TIC: BM009178.D

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

25.978min (-0.174) 0.01ng/ul

response 73

Ion	Exp%	Act%
276.00	100	100
138.00	23.90	0.00#
277.00	24.50	0.00#
0.00	0.00	0.00

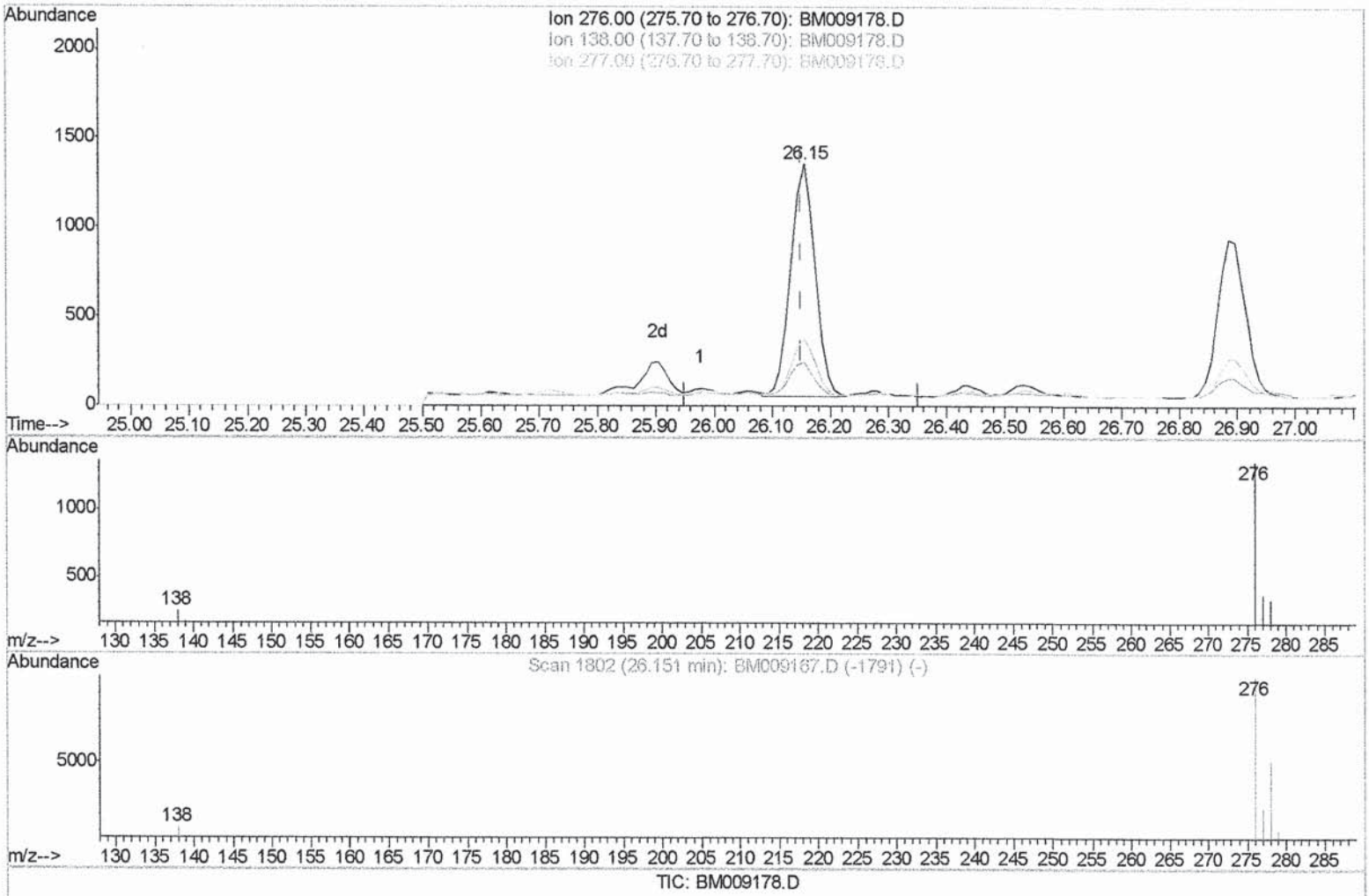
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009178.D
Acq On : 10 Mar 2017 16:22
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 10 17:22:21 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AJ9

Manual Integrations APPROVED
mohammad
3/13/2017 2:13:38 PM



TIC: BM009178.D

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

26.155min (+0.004) 0.56ng/ul m

SJ 03/13/17

response 3727

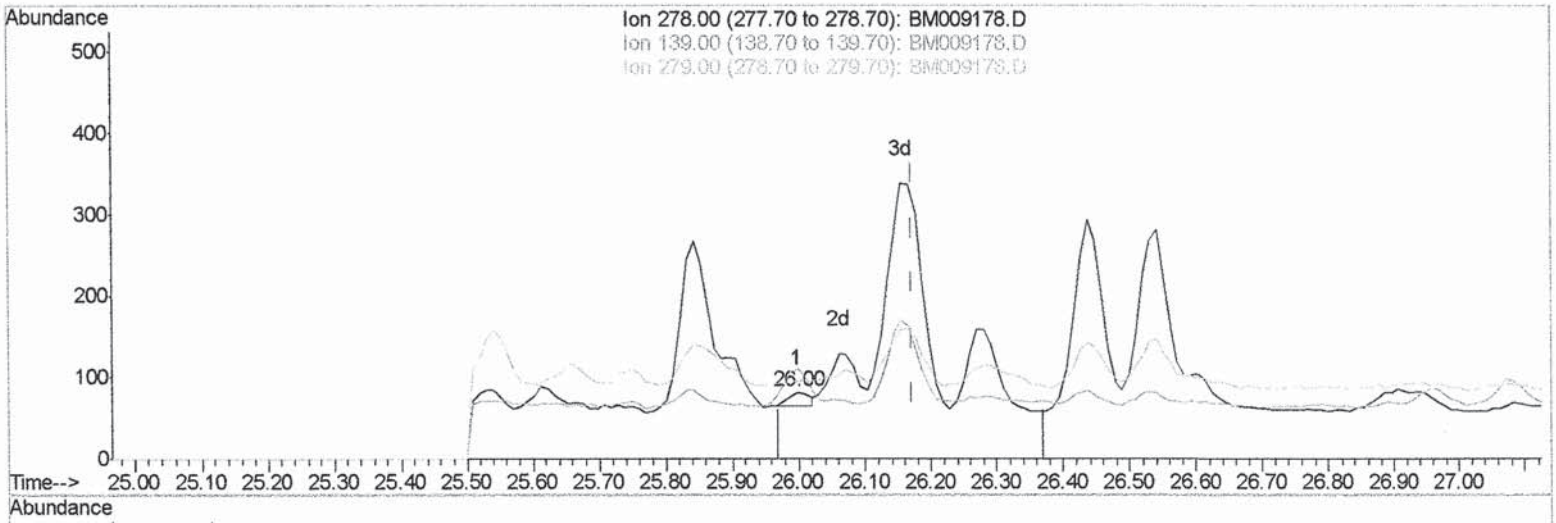
Ion	Exp%	Act%
276.00	100	100
138.00	23.90	0.00#
277.00	24.50	0.00#
0.00	0.00	0.00

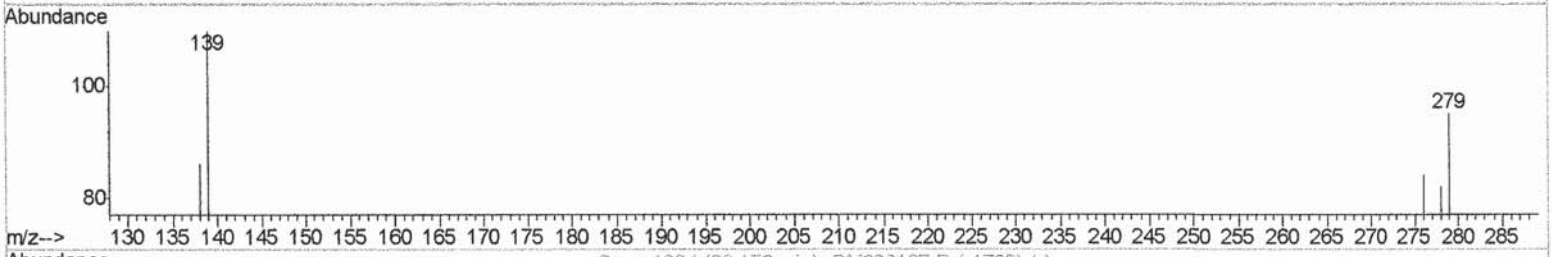
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009178.D
Acq On : 10 Mar 2017 16:22
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 10 17:22:21 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AJ9

Manual Integrations APPROVED
mohammad
3/13/2017 2:13:38 PM





TIC: BM009178.D

(25) Dibenzo(a,h)anthracene

25.998min (-0.174) 0.01ng/ul

response 41

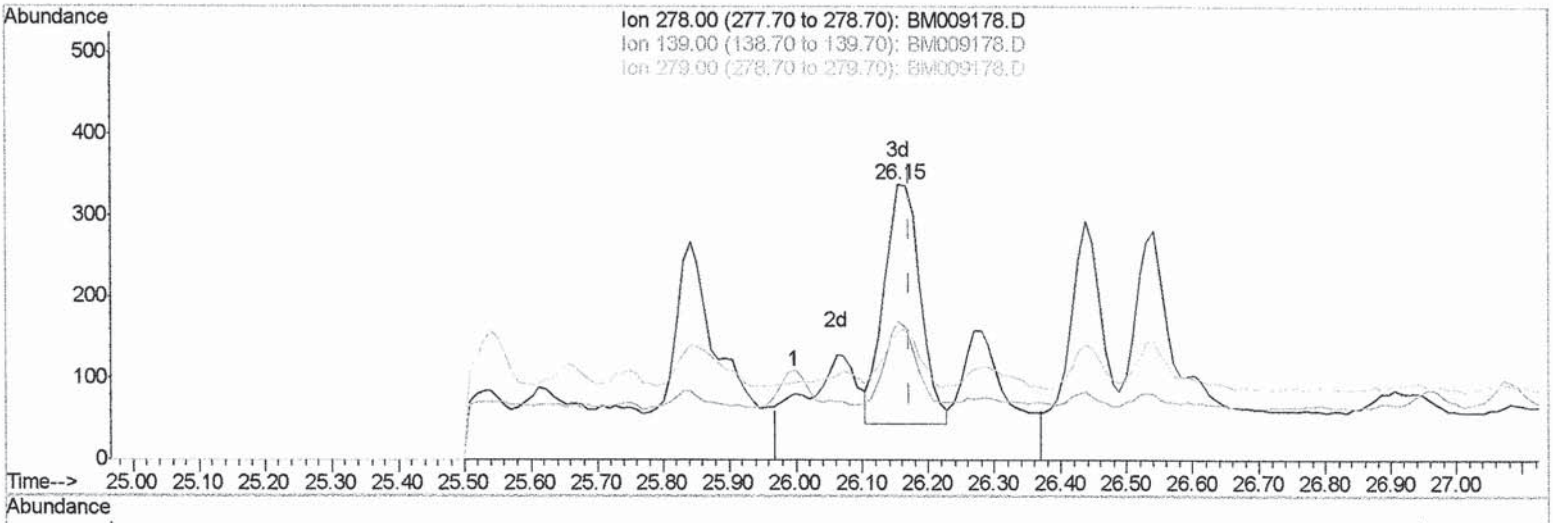
Ion	Exp%	Act%
278.00	100	100
139.00	21.70	134.15#
279.00	32.40	115.85#
0.00	0.00	0.00

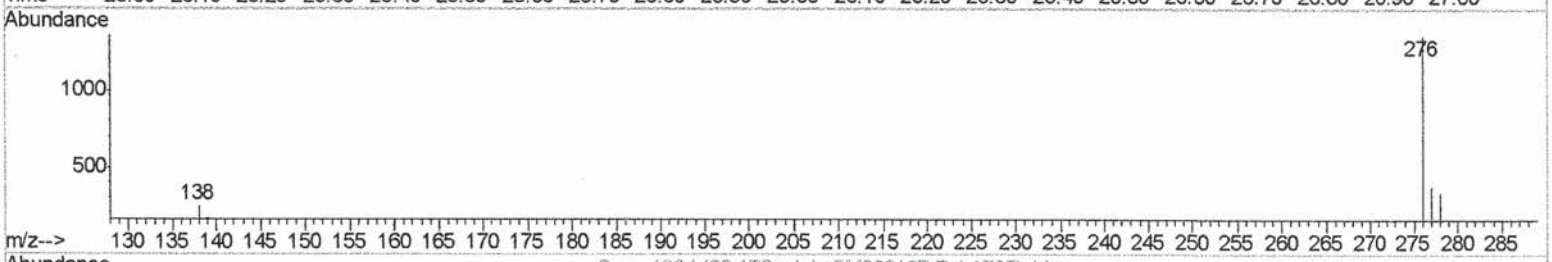
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009178.D
Acq On : 10 Mar 2017 16:22
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 10 17:22:21 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AJ9

Manual Integrations APPROVED
mohammad
3/13/2017 2:13:38 PM





TIC: BM009178.D

(25) Dibenzo(a,h)anthracene

26.155min (-0.017) 0.20ng/ul m

response 1118

SJ 03/13/17

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	50.30#
279.00	32.40	47.04#
0.00	0.00	0.00

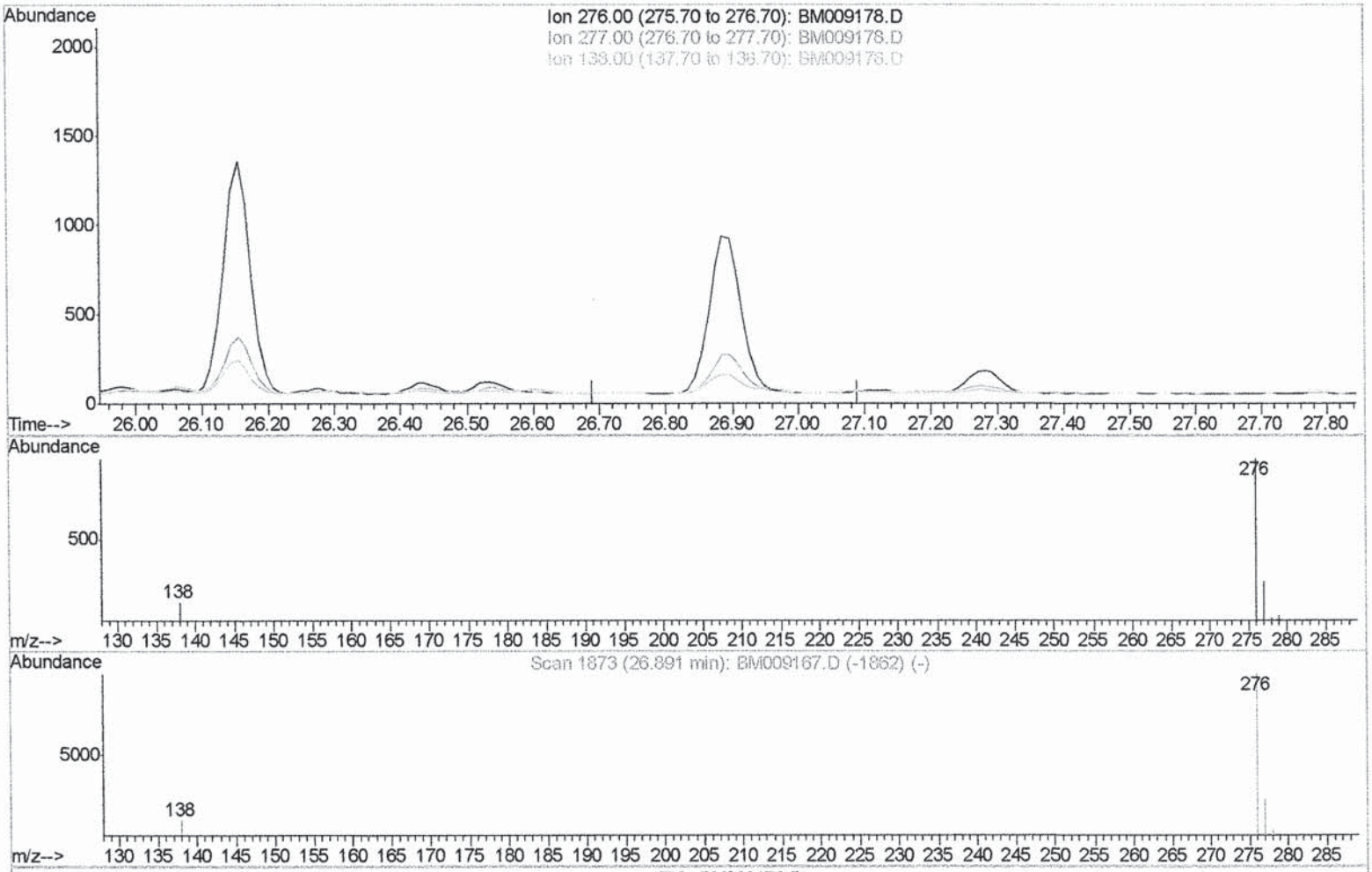
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009178.D
Acq On : 10 Mar 2017 16:22
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 10 17:22:21 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AJ9

Manual Integrations APPROVED
mohammad
3/13/2017 2:13:38 PM



TIC: BM009178.D

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

26.891min (-26.891) 0.00ng/ul

response 0

Ion	Exp%	Act%
276.00	100	0.00
277.00	27.30	0.00#
138.00	25.60	0.00#
0.00	0.00	0.00

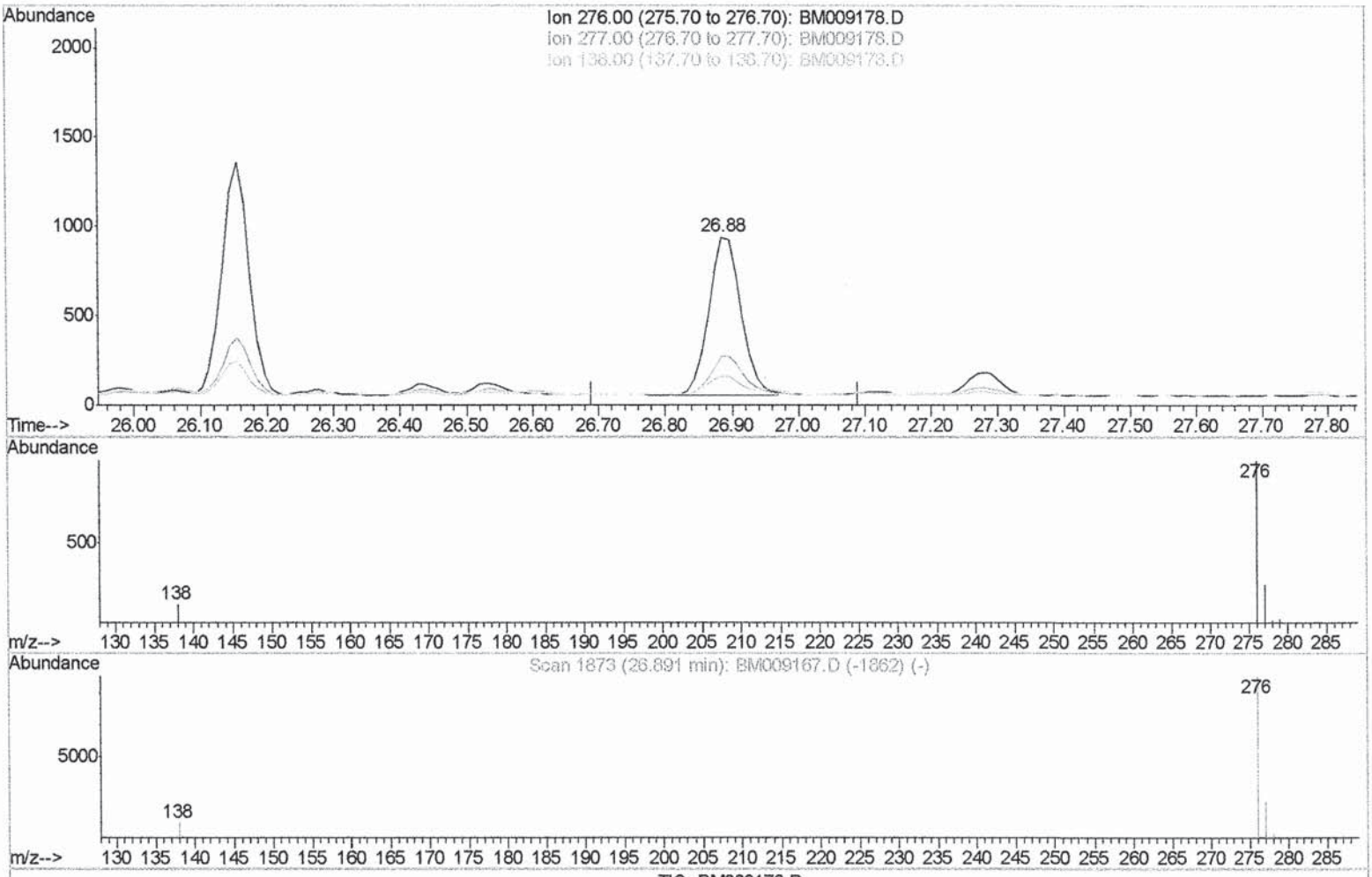
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009178.D
Acq On : 10 Mar 2017 16:22
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 10 17:22:21 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AJ9

Manual Integrations APPROVED
mohammad
3/13/2017 2:13:38 PM



TIC: BM009178.D

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

26.884min (-0.007) 0.53ng/ul m > SJ 03/13/17

response 3013

Ion	Exp%	Act%
276.00	100	100
277.00	27.30	28.87
138.00	25.60	17.73#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
Data File : BM009178.D
Acq On : 10 Mar 2017 16:22
Operator : SJ/MA
Sample : I2107-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 10 17:25:22 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 15:19:24 2017
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : C0AJ9

Manual Integrations APPROVED
mohammad
3/13/2017 2:13:38 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	341	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	1064	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	622	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	1389m	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	1675	0.40	ng/ul	0.00
20) Perylene-d12	23.78	264	1480m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	249	0.14	ng/ul	0.00
14) Fluoranthene-d10	19.30	212	709	0.16	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.73	128	1520	0.50	ng/ul	96
5) 2-Methylnaphthalene	12.34	142	1091	0.49	ng/ul	97
7) Acenaphthylene	14.23	152	368	0.11	ng/ul#	60
8) Acenaphthene	14.57	153	166	0.07	ng/ul#	87
9) Fluorene	15.56	166	186	0.06	ng/ul#	69
12) Phenanthrene	17.30	178	3878	0.89	ng/ul	97
13) Anthracene	17.40	178	967	0.22	ng/ul#	92
15) Fluoranthene	19.32	202	9193	1.62	ng/ul	94
17) Pyrene	19.68	202	8833	1.53	ng/ul	97
18) Benzo(a)anthracene	21.42	228	5923	1.06	ng/ul	99
19) Chrysene	21.47	228	6085	1.15	ng/ul	98
21) Benzo(b)fluoranthene	23.07	252	9630m	1.66	ng/ul	
22) Benzo(k)fluoranthene	23.11	252	2255m	0.44	ng/ul	
23) Benzo(a)pyrene	23.67	252	5064m	0.97	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.15	276	3727m	0.56	ng/ul	
25) Dibenzo(a,h)anthracene	26.15	278	1118m	0.20	ng/ul	
26) Benzo(g,h,i)perylene	26.88	276	3013m	0.53	ng/ul	

SJ 03/13/17

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