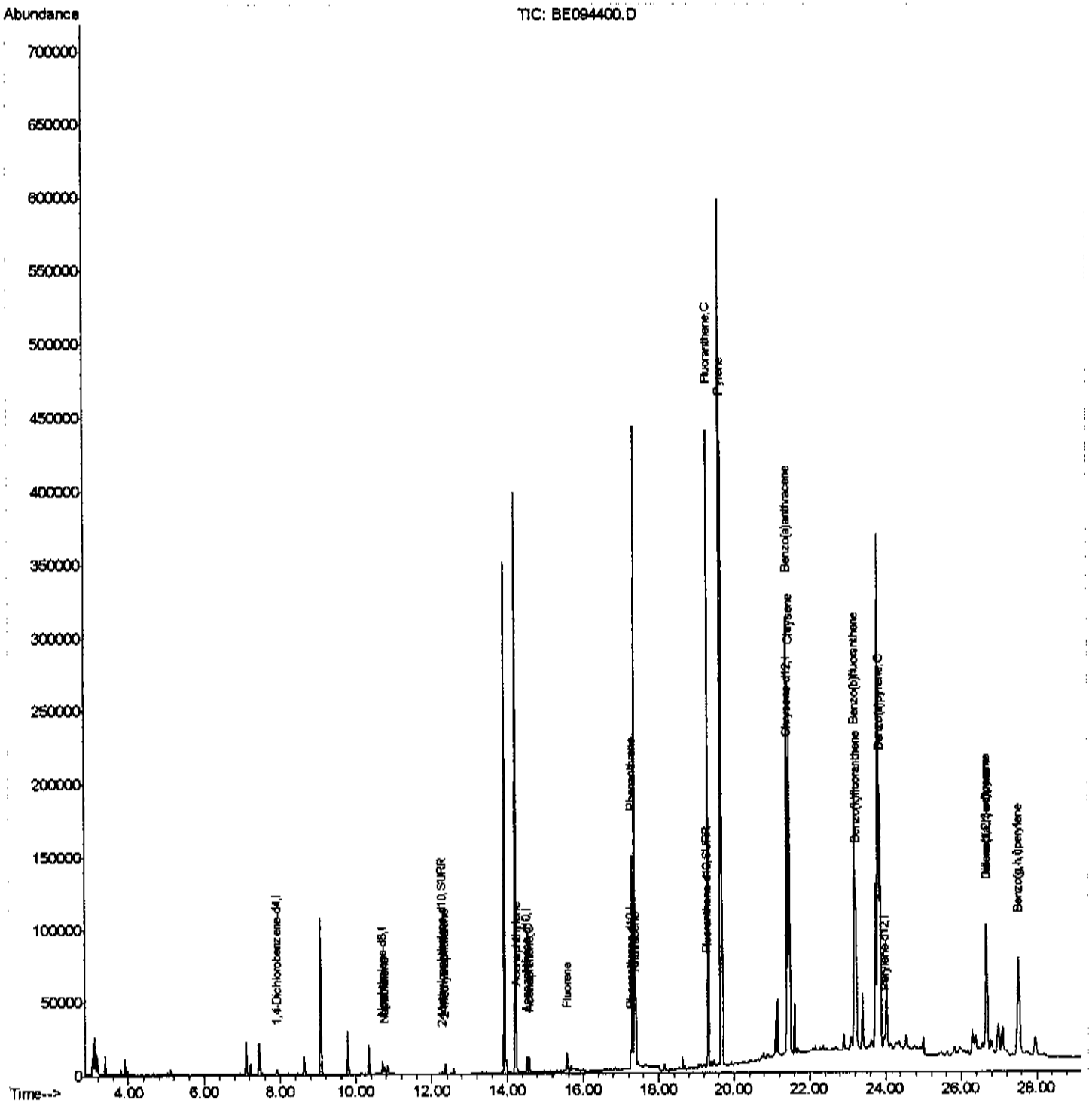
Instrument :
BNA_E
ClientSampleId :
C0AE8

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:33 PM

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094400.D
Acq On : 15 Oct 2017 19:23
Operator : SJ/JU
Sample : I5548-22
Misc :
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Oct 16 08:05:56 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 16 07:45:00 2017
Response via : Initial Calibration



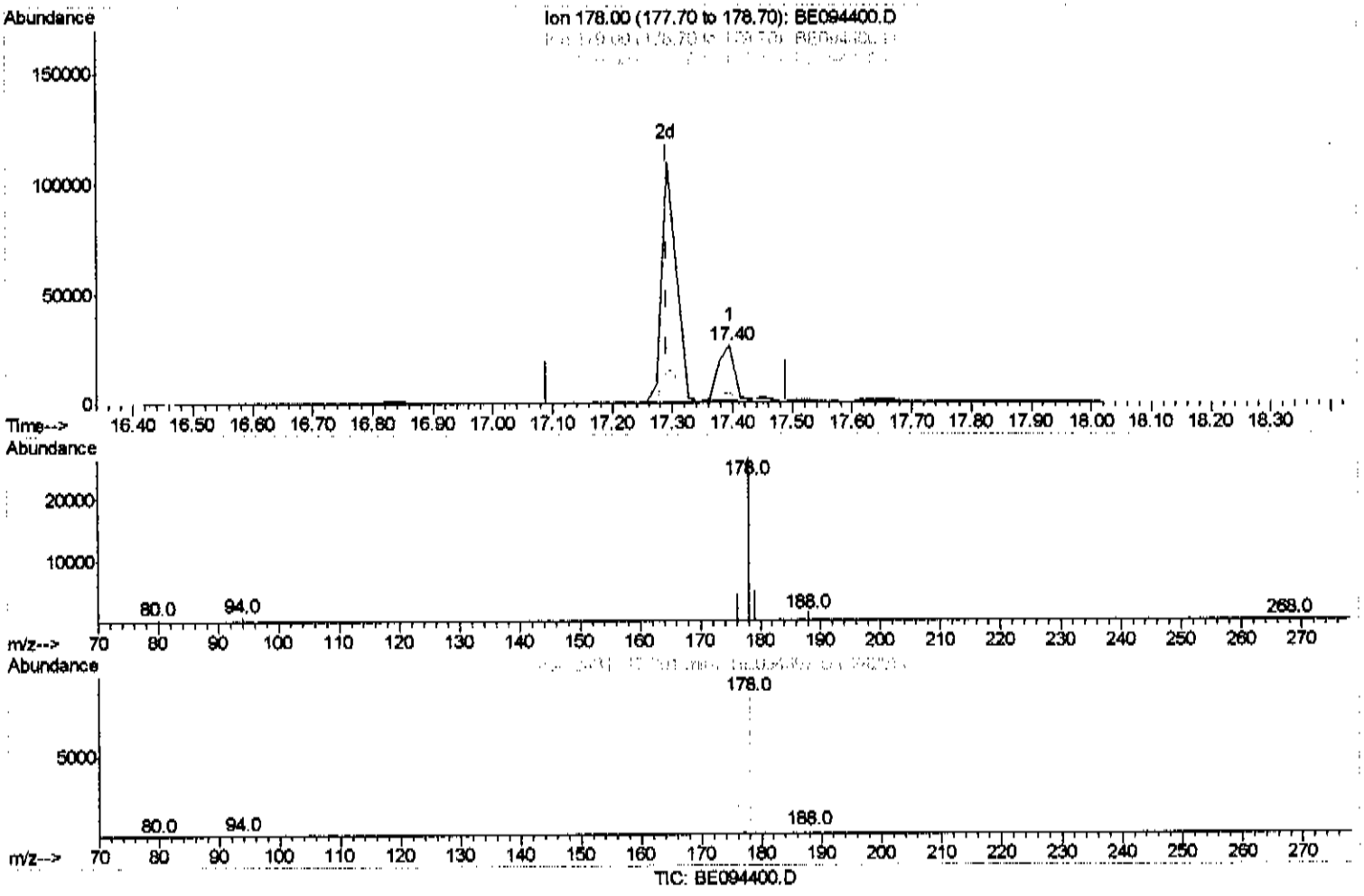
Instrument :
BNA_E
ClientSampleId :
C0AE8

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:33 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094400.D
Acq On : 15 Oct 2017 19:23
Operator : SJ/JU
Sample : I5548-22
Misc :
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Oct 16 07:53:30 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 16 07:45:00 2017
Response via : Initial Calibration



(12) Phenanthrene

17.395min (+0.104) 1.42ng/ul

response 47366

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	19.09
176.00	17.00	16.72
0.00	0.00	0.00

Instrument :
BNA_E
ClientSampleId :
C0AE8

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:33 PM

Quantitation Report (Qedit)

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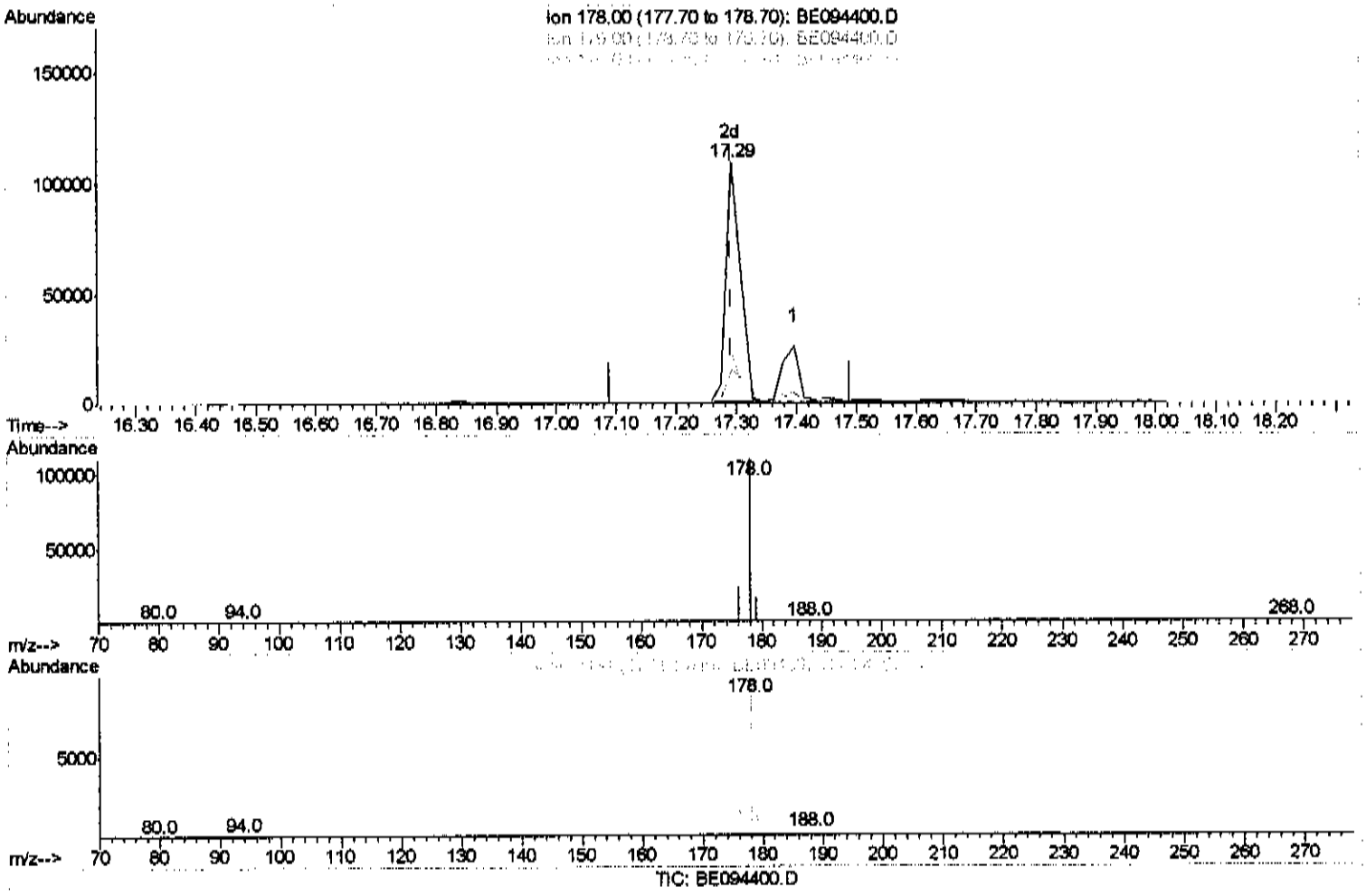
Acq On : 15 Oct 2017 19:23
Operator : SJ/JU
Sample : I5548-22
Misc :
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Oct 16 07:53:30 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 16 07:45:00 2017
Response via : Initial Calibration



(12) Phenanthrene

17.291min (+0.001) 5.46ng/ul m JU 10/16/17

response 182454

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	14.31#
176.00	17.00	21.21#
0.00	0.00	0.00

Instrument :
BNA_E
ClientSampleId :
C0AE8

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:33 PM

Quantitation Report (Qedit)

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Operator : SJ/JU
Sample : I5548-22
Misc :
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Oct 16 07:53:30 2017
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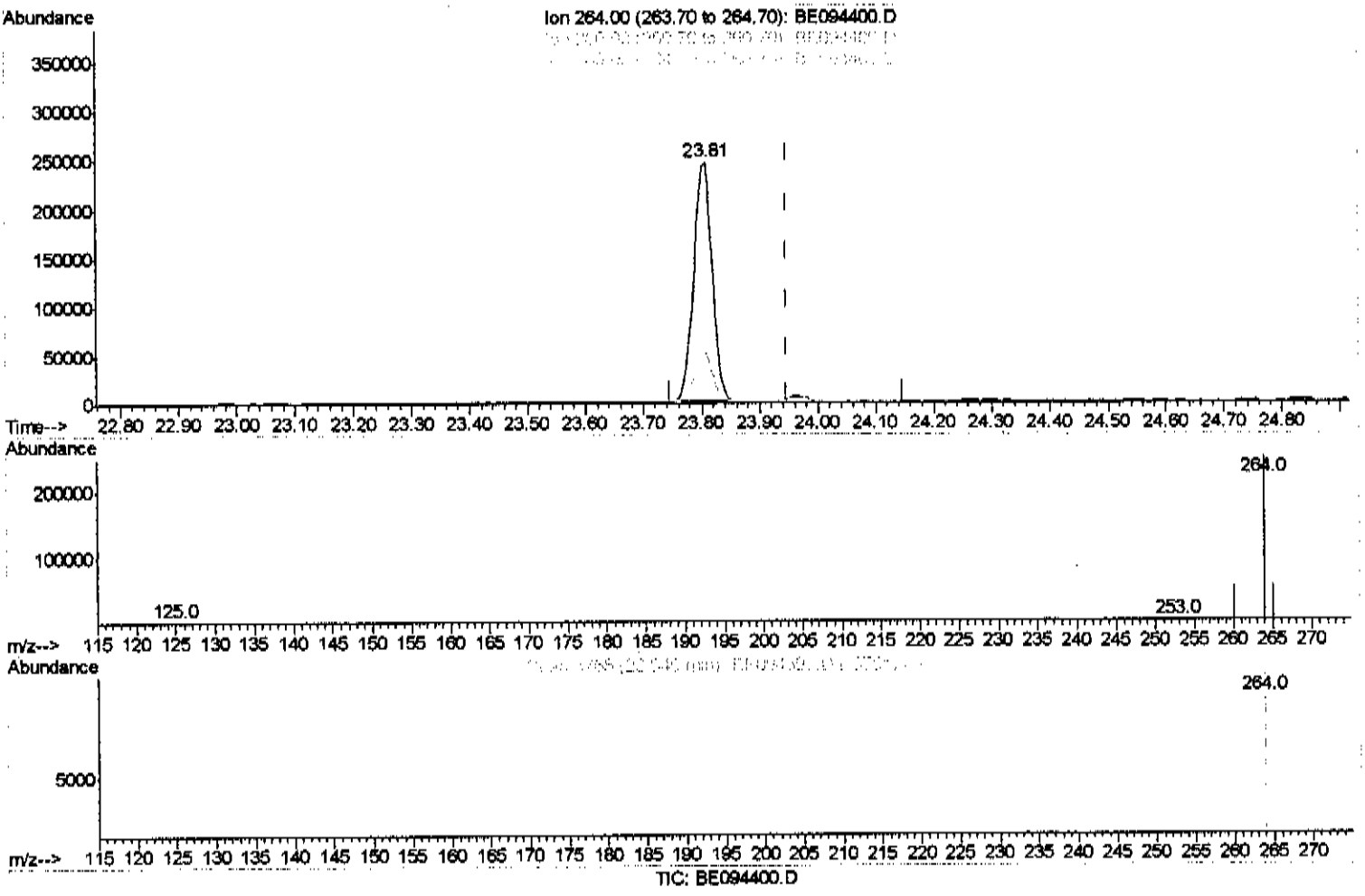
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 16 07:45:00 2017
Response via : Initial Calibration



TIC: BE094400.D

(20) Perylene-d12 (I)

23.805min (-0.141) 0.40ng/ul

response 539953

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.44#
265.00	103.50	22.37#
0.00	0.00	0.00

Instrument :
BNA_E
ClientSampleId :
C0AE8

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:33 PM

Quantitation Report (Qedit)

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Misc :
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Oct 16 07:53:30 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 16 07:45:00 2017
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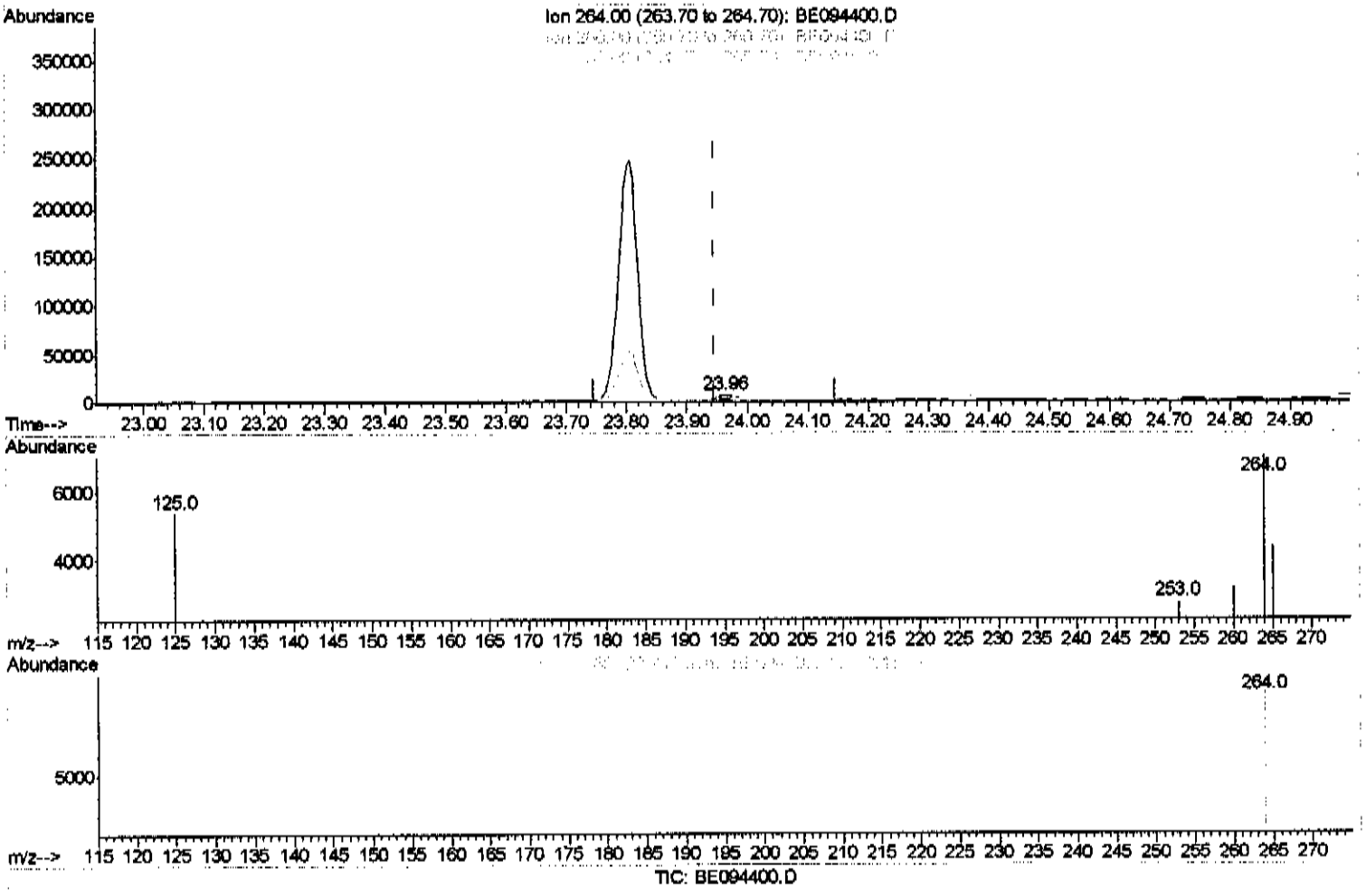

(20) Perylene-d12 (I)

23.960min (+0.014) 0.40ng/ul m JU 10/16/17

response 11626

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	44.51#
265.00	103.50	61.67#
0.00	0.00	0.00

Instrument :
BNA_E
ClientSampleId :
C0AE8

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:33 PM

Quantitation Report (Qedit)

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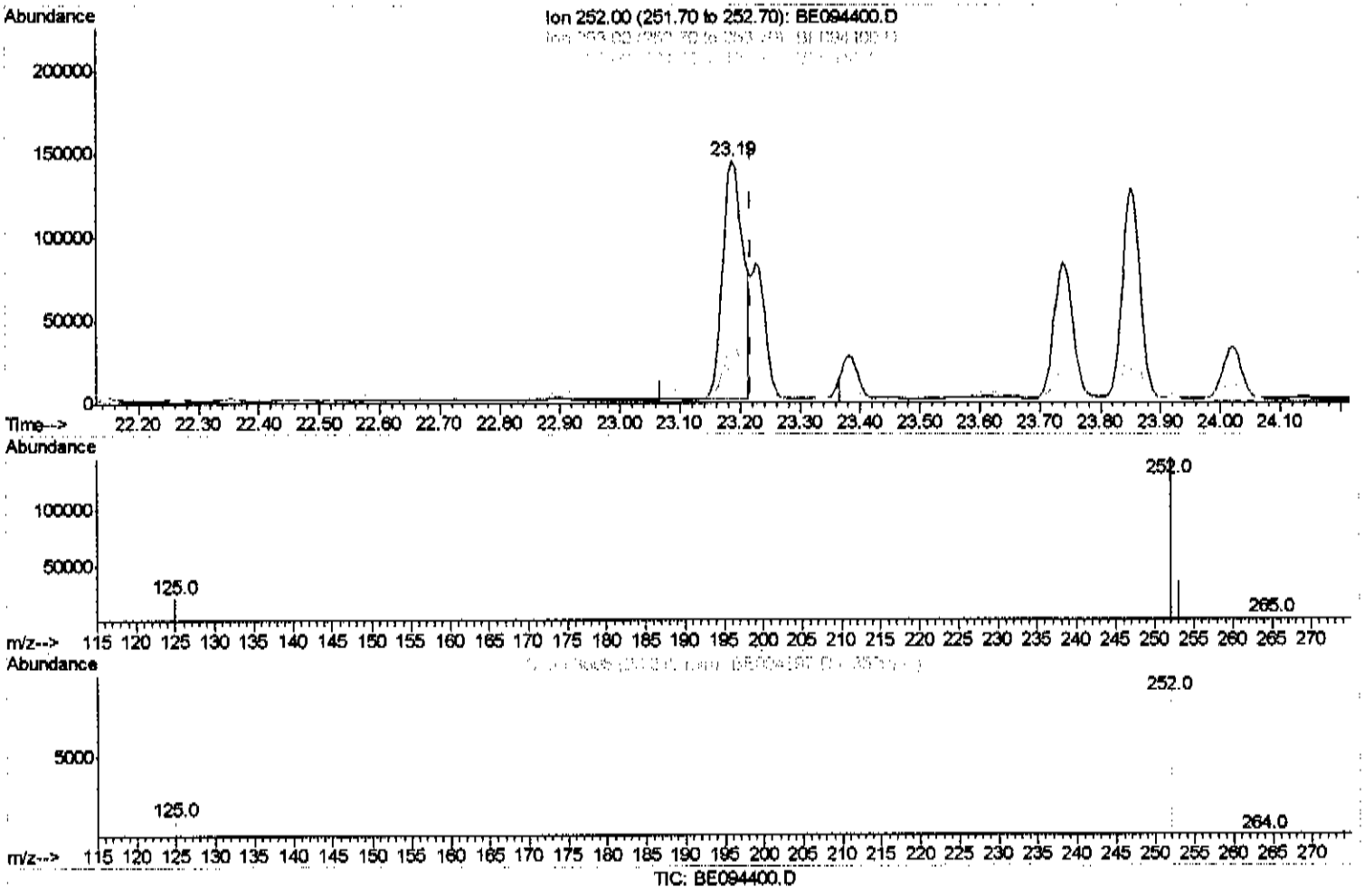
Data File : BE094400.D
Acq On : 15 Oct 2017 19:23
Operator : SJ/JU
Sample : I5548-22
Misc :
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Oct 16 08:04:25 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 16 07:45:00 2017
Response via : Initial Calibration



TIC: BE094400.D

(22) Benzo(k)fluoranthene

23.186min (-0.032) 9.40ng/ul

response 343196

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	24.07#
125.00	17.10	15.11
0.00	0.00	0.00

Instrument :
BNA_E
ClientSampleId :
C0AE8

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:33 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094400.D
Acq On : 15 Oct 2017 19:23
Operator : SJ/JU
Sample : I5548-22
Misc :
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Oct 16 08:04:25 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 16 07:45:00 2017
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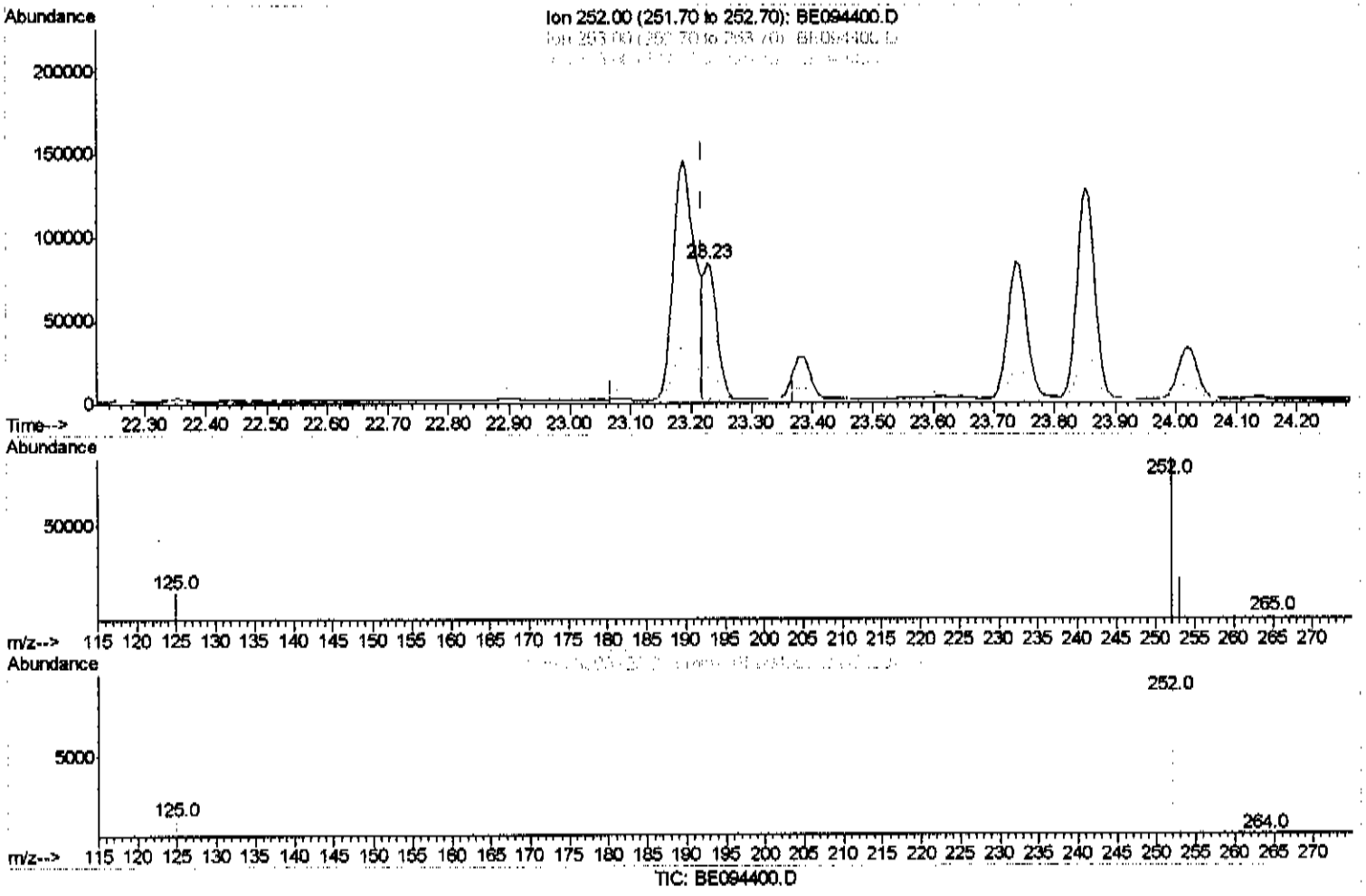


(22) Benzo(k)fluoranthene

23.227min (+0.009) 3.31ng/ul m JU 10/16/17

response 120899

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	25.65
125.00	17.10	18.16
0.00	0.00	0.00

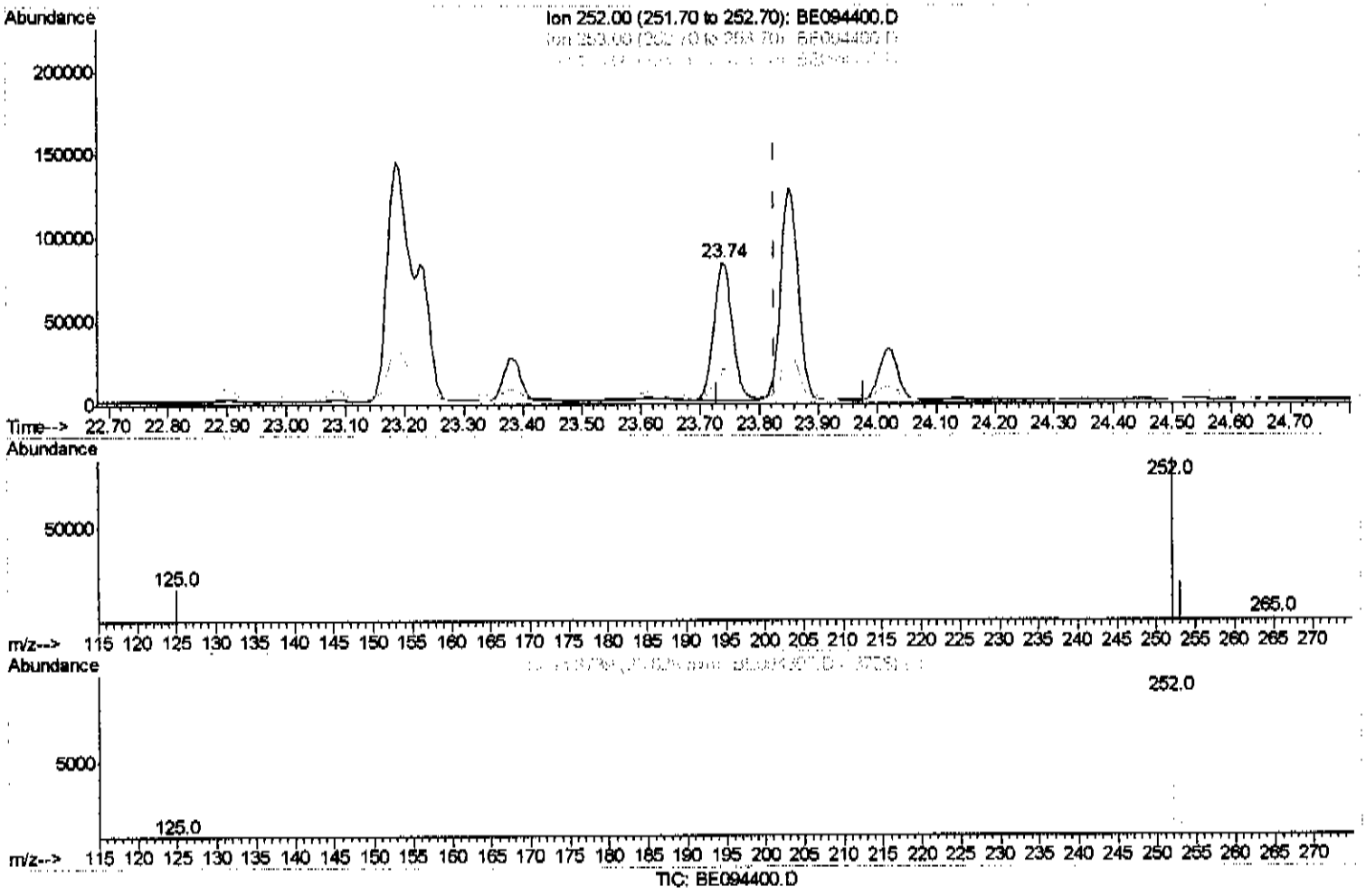
Instrument :
BNA_E
ClientSampleId :
C0AE8

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:33 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094400.D
Acq On : 15 Oct 2017 19:23
Operator : SJ/JU
Sample : I5548-22
Misc :
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Oct 16 08:04:25 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 16 07:45:00 2017
Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

23.737min (-0.091) 5.58ng/ul

response 183165

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	24.92#
125.00	22.60	21.66
0.00	0.00	0.00

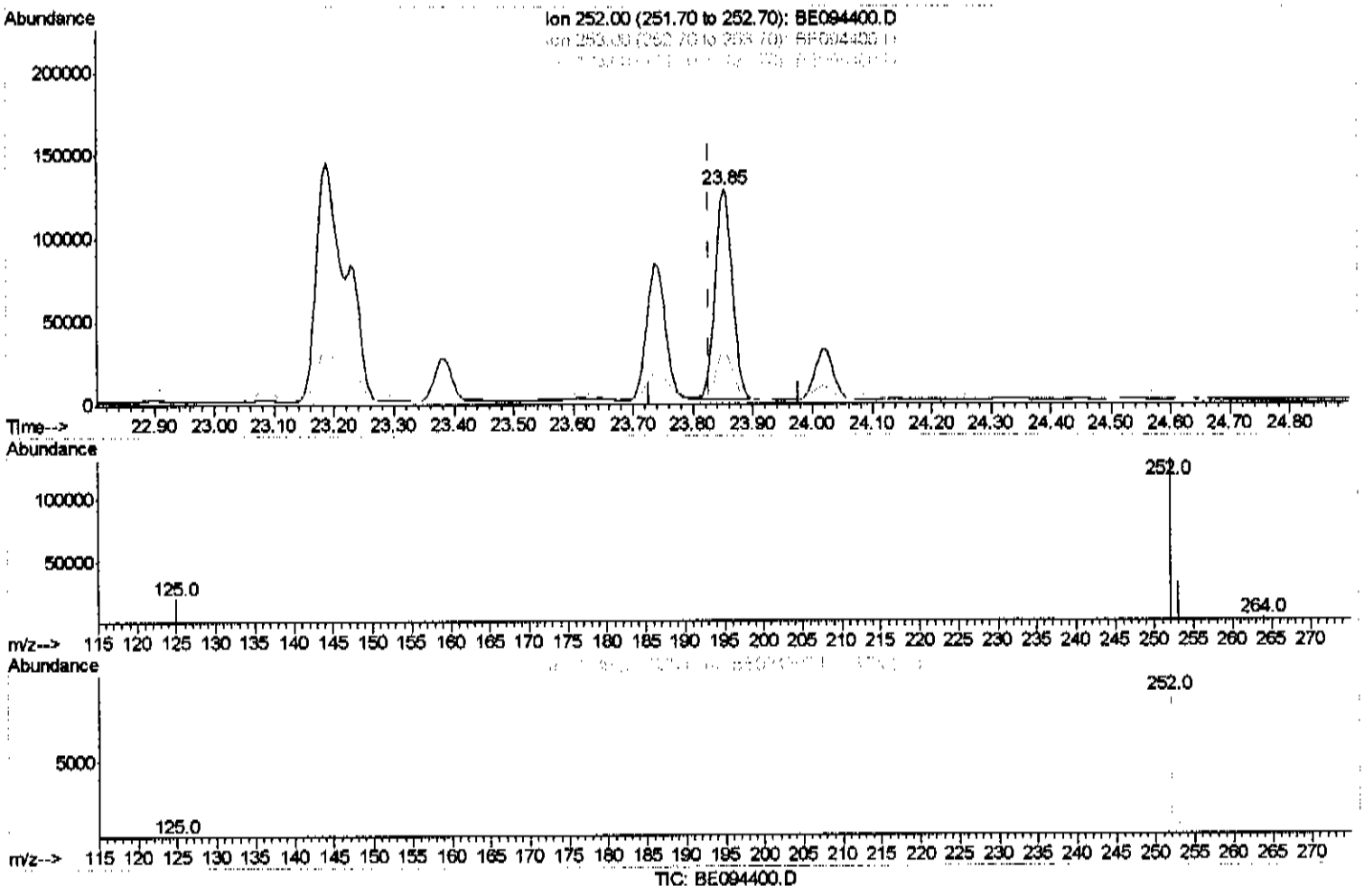
Instrument :
BNA_E
ClientSampleId :
C0AE8

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:33 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094400.D
Acq On : 15 Oct 2017 19:23
Operator : SJ/JU
Sample : I5548-22
Misc :
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Oct 16 08:04:25 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 16 07:45:00 2017
Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

23.851min (+0.023) 7.89ng/ul m JU 10/16/17

response 258872

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	24.52#
125.00	22.60	15.75#
0.00	0.00	0.00

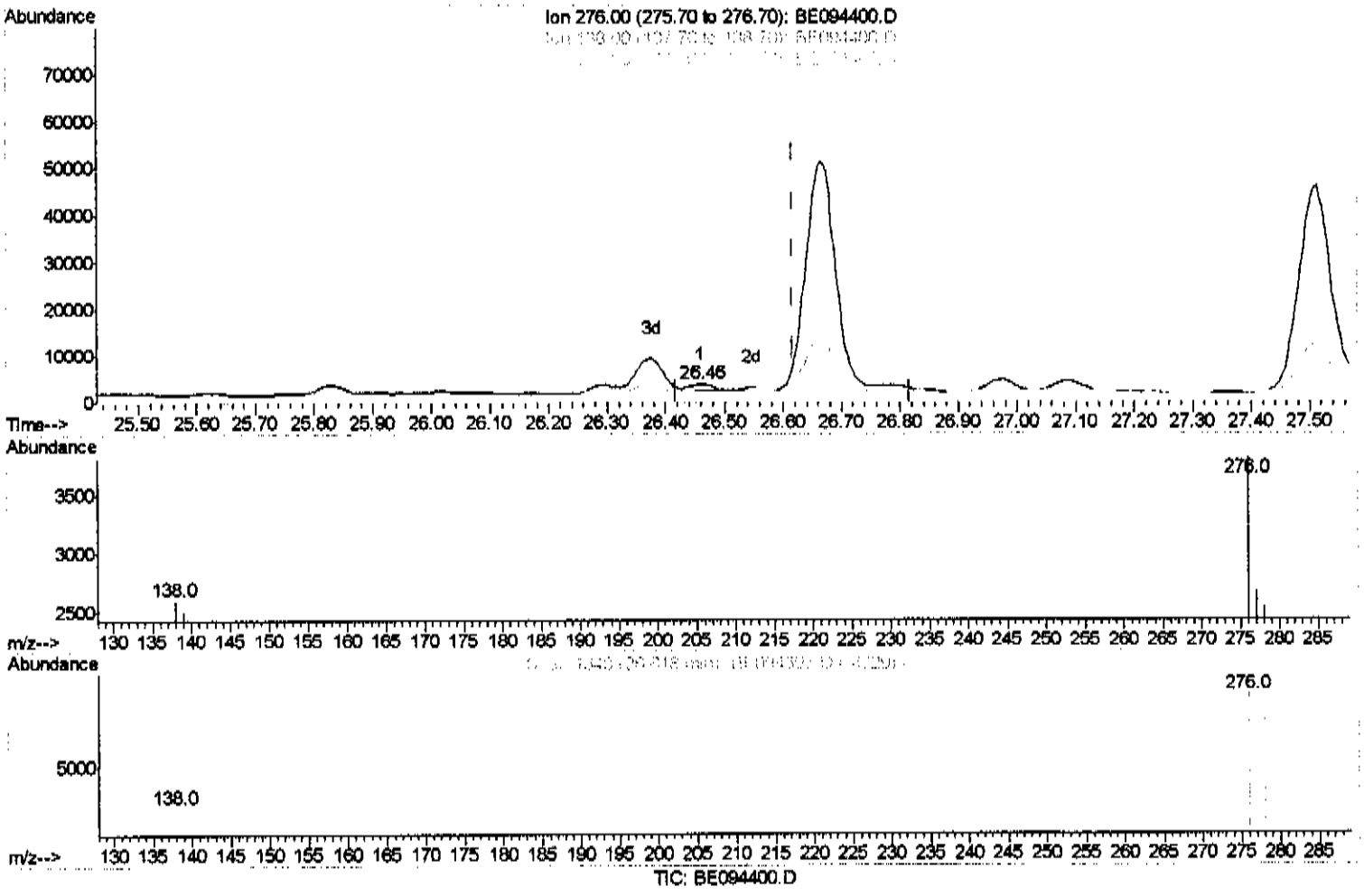
Instrument :
BNA_E
ClientSampleId :
C0AE8

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:33 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094400.D
Acq On : 15 Oct 2017 19:23
Operator : SJ/JU
Sample : I5548-22
Misc :
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Oct 16 08:04:25 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 16 07:45:00 2017
Response via : Initial Calibration



TIC: BE094400.D

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

26.459min (-0.159) 0.13ng/ul

response 4281

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	23.43#
227.00	10.00	0.00#
0.00	0.00	0.00

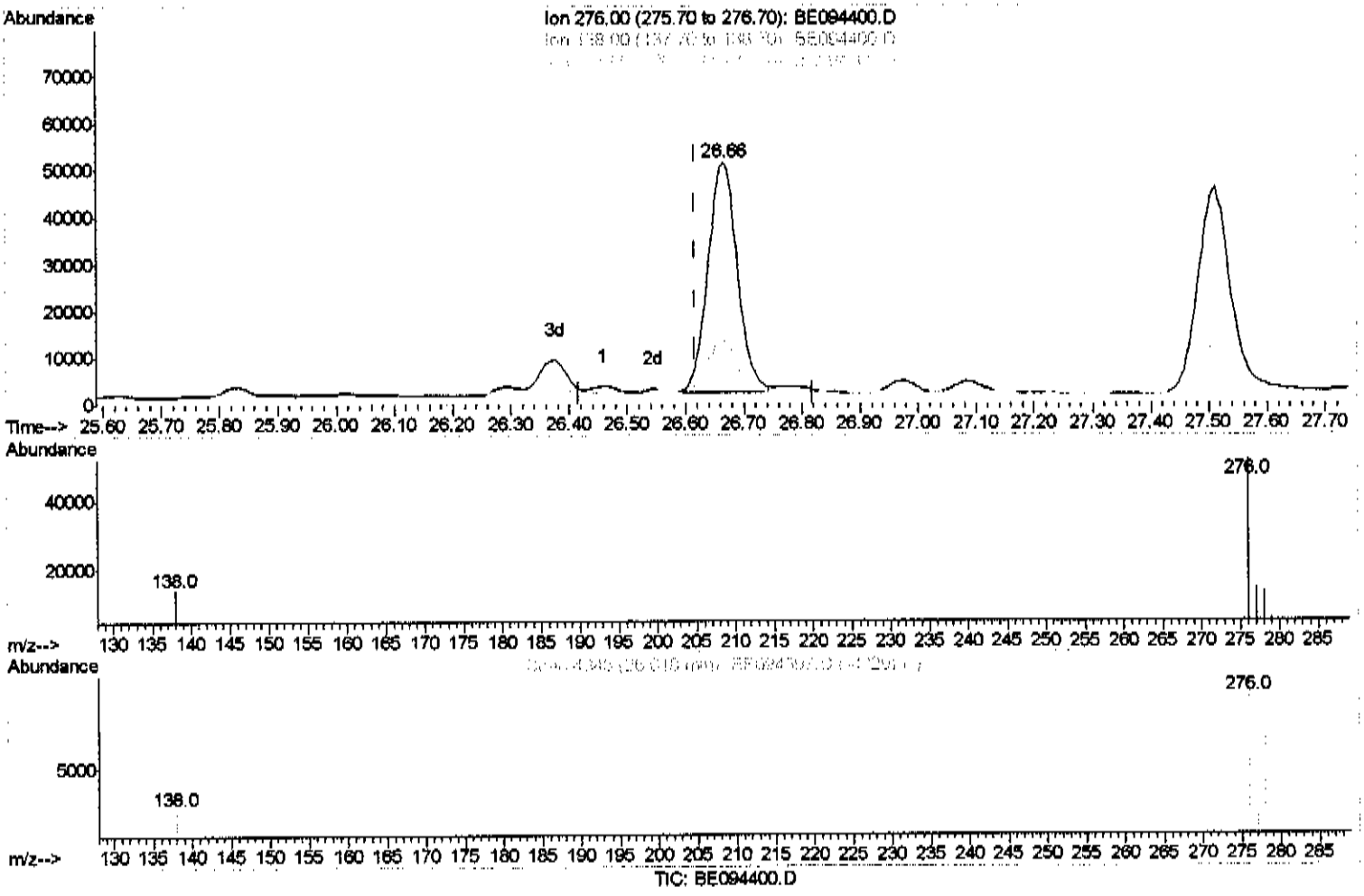
Instrument :
BNA_E
ClientSampleId :
C0AE8

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:33 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094400.D
Acq On : 15 Oct 2017 19:23
Operator : SJ/JU
Sample : I5548-22
Misc :
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Oct 16 08:04:25 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 16 07:45:00 2017
Response via : Initial Calibration



TIC: BE094400.D

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

26.664min (+0.046) 5.16ng/ul m SJ 10/16/17

response 173238

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	0.58#
227.00	10.00	0.00#
0.00	0.00	0.00

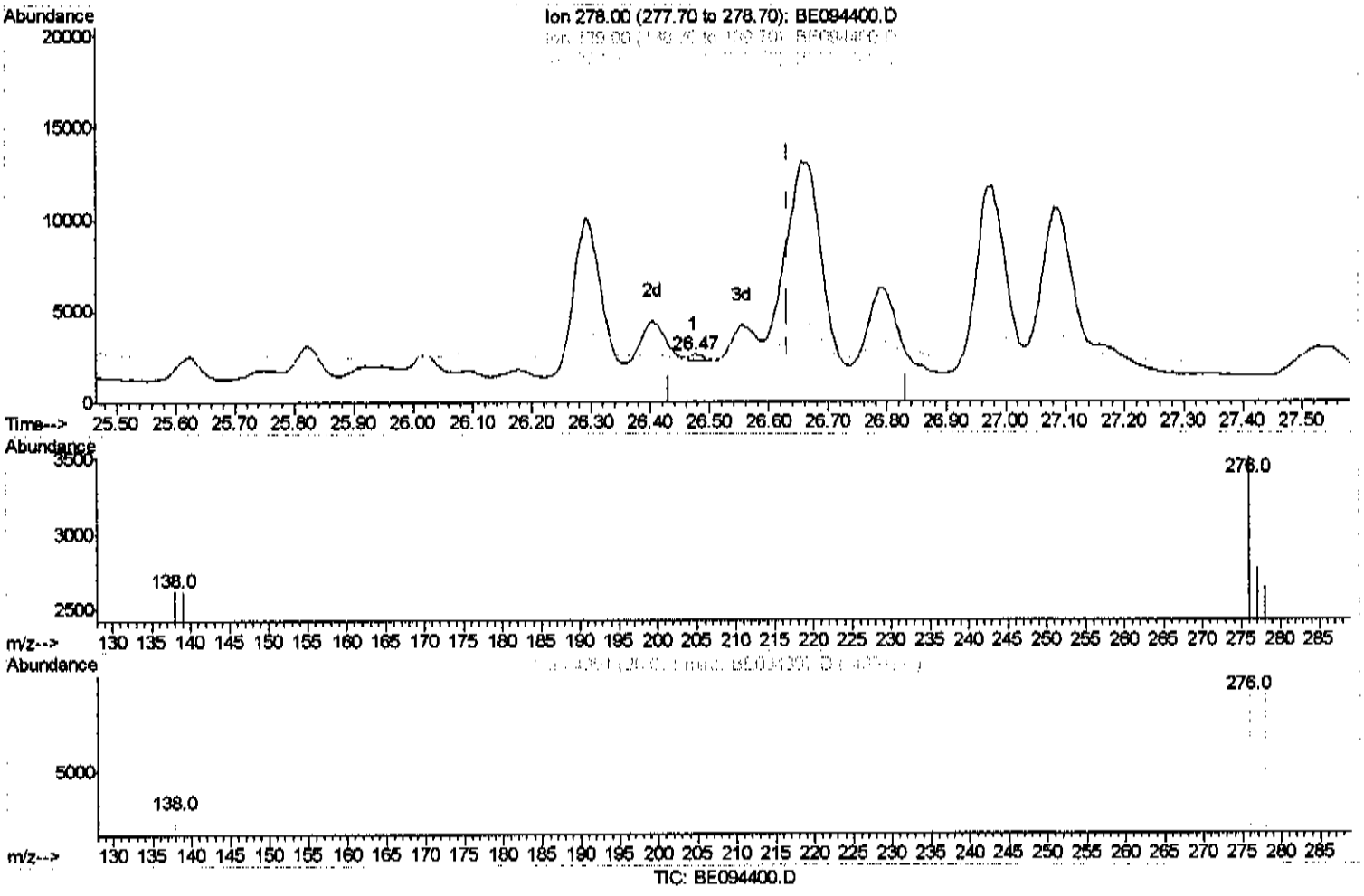
Instrument :
BNA_E
ClientSampleId :
C0AE8

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:33 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094400.D
Acq On : 15 Oct 2017 19:23
Operator : SJ/JU
Sample : I5548-22
Misc :
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Oct 16 08:04:25 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 16 07:45:00 2017
Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

26.473min (-0.159) 0.02ng/ul

response 483

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	99.13#
279.00	32.40	91.76#
0.00	0.00	0.00

Instrument :
BNA_E
ClientSampleId :
C0AE8

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:33 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094400.D
Acq On : 15 Oct 2017 19:23
Operator : SJ/JU
Sample : I5548-22
Misc :
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Oct 16 08:04:25 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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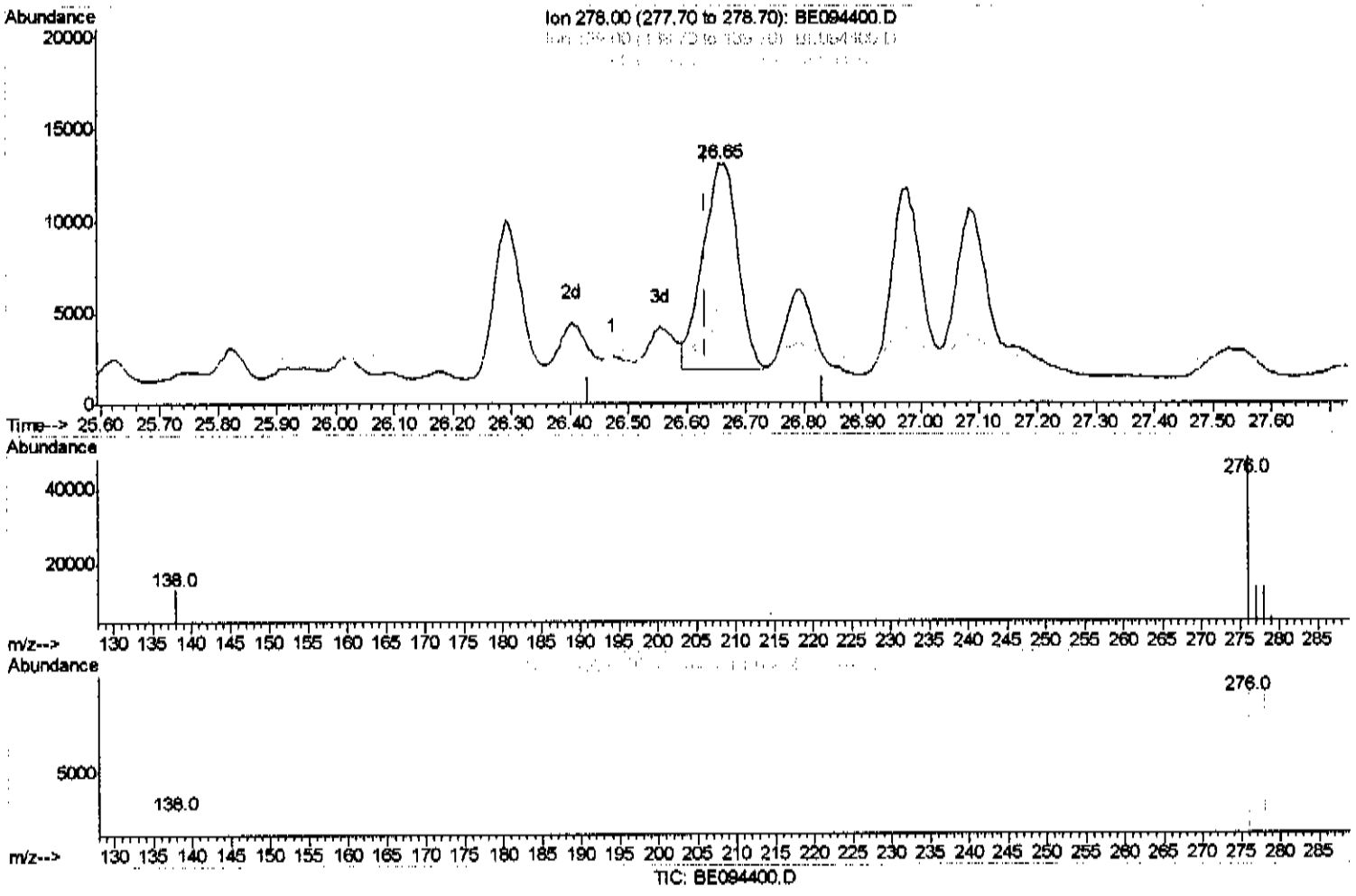

TIC: BE094400.D

(25) Dibenzo(a,h)anthracene

26.655min (+0.023) 1.68ng/ul m JU 10/16/17

response 47316

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	32.89#
279.00	32.40	39.99#
0.00	0.00	0.00

Instrument :
BNA_E
ClientSampleId :
C0AE8

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:33 PM

Quantitation Report (Qedit)

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Misc :
ALS Vial : 46 Sample Multiplier: 1

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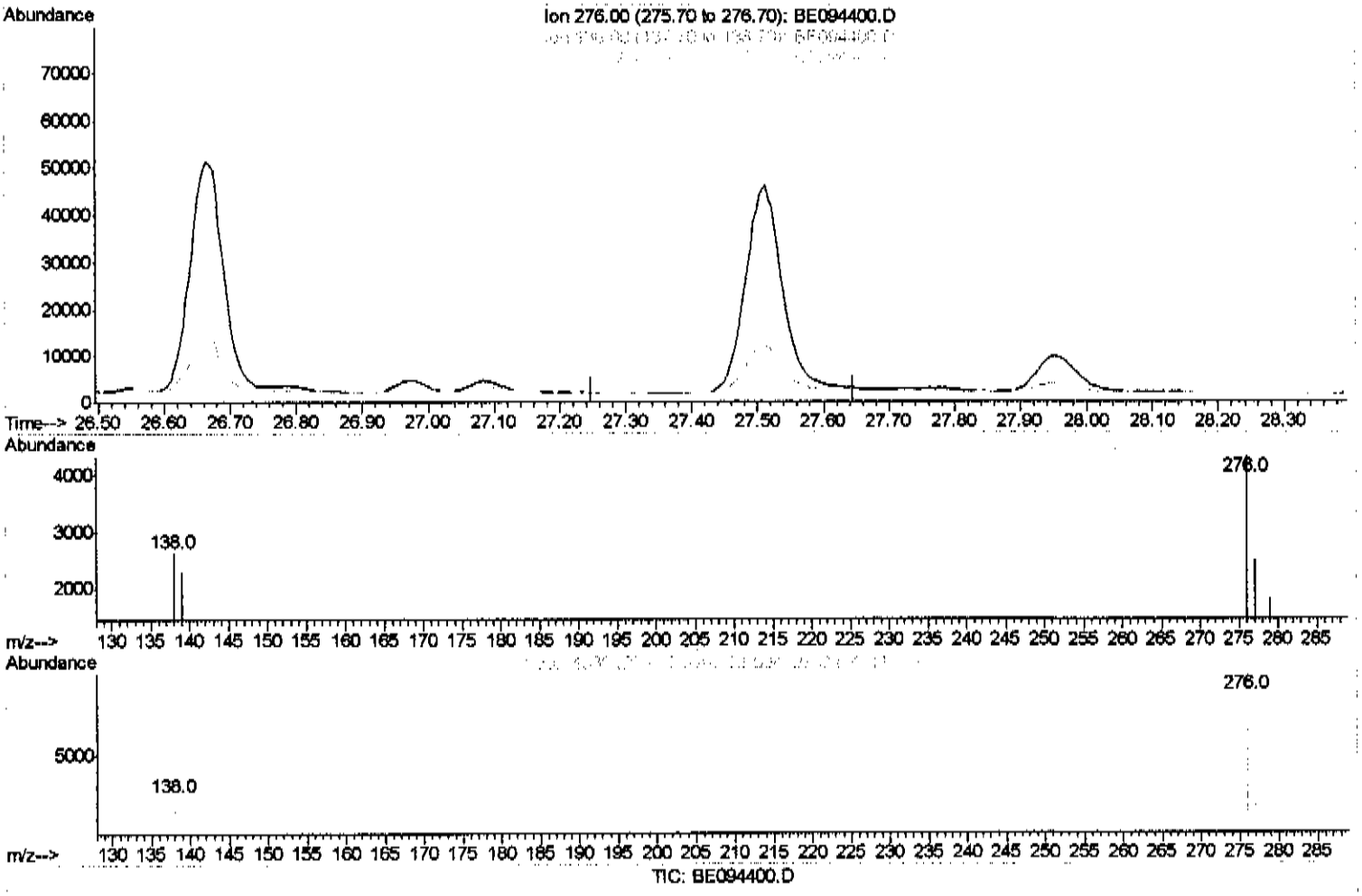

TIC: BE094400.D

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

27.447min (-27.447) 0.00ng/ul

response 0

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

Instrument :
BNA_E
ClientSampleId :
C0AE8

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:33 PM

Quantitation Report (Qedit)

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ALS Vial : 46 Sample Multiplier: 1

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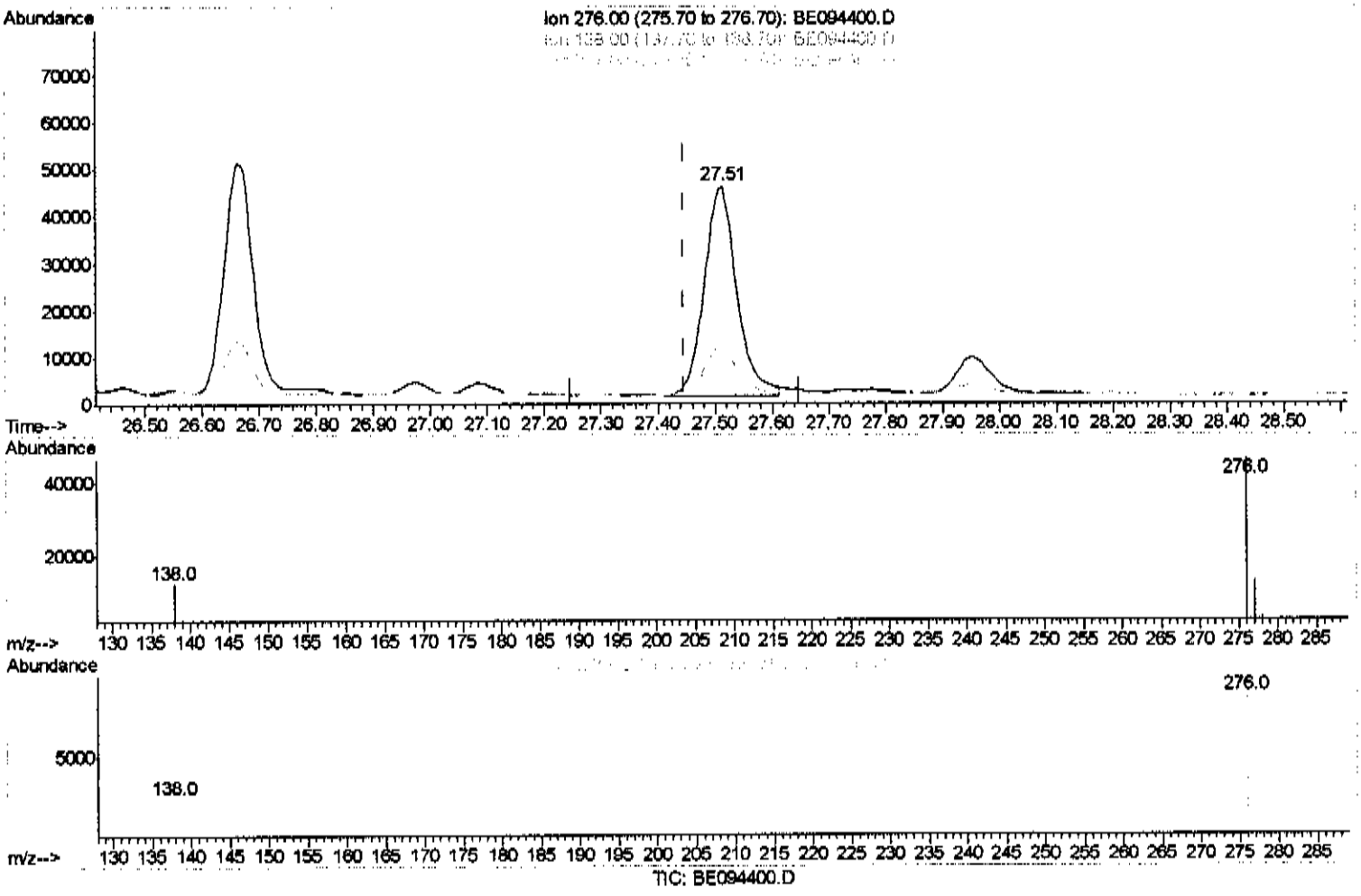
Response via : Initial Calibration



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

27.511min (+0.064) 6.11ng/ul m JO 10/16/17

response 176897

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	26.30
277.00	25.60	27.28
0.00	0.00	0.00

Instrument :
BNA_E
ClientSampleId :
C0AE8

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:33 PM

Quantitation Report (QT Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1740	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	9669	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	6112	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	12798	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	11969	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	11626m	0.40	ng/ul	0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	3230	0.22	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	7588	0.18	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.74	128	6430	0.272	ng/ul#	95
5) 2-Methylnaphthalene	12.35	142	6720	0.437	ng/ul	98
7) Acenaphthylene	14.25	152	10890	0.457	ng/ul	99
8) Acenaphthene	14.58	153	6776	0.345	ng/ul	97
9) Fluorene	15.57	166	8681	0.378	ng/ul	94
12) Phenanthrene	17.29	178	182454m	5.456	ng/ul	94
13) Anthracene	17.40	178	50707	1.559	ng/ul	94
15) Fluoranthene	19.31	202	486333	11.067	ng/ul	84
17) Pyrene	19.68	202	458500	13.768	ng/ul#	82
18) Benzo(a)anthracene	21.41	228	278163	8.760	ng/ul#	87
19) Chrysene	21.46	228	264218	7.206	ng/ul	97
21) Benzo(b)fluoranthene	23.19	252	343196	10.867	ng/ul	89
22) Benzo(k)fluoranthene	23.23	252	120899m	3.312	ng/ul	
23) Benzo(a)pyrene	23.85	252	258872m	7.888	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.66	276	173238m	5.160	ng/ul	
25) Dibenzo(a,h)anthracene	26.65	278	47316m	1.680	ng/ul	
26) Benzo(g,h,i)perylene	27.51	276	176897m	6.109	ng/ul	

JU 10/16/17

JU 10/16/17

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