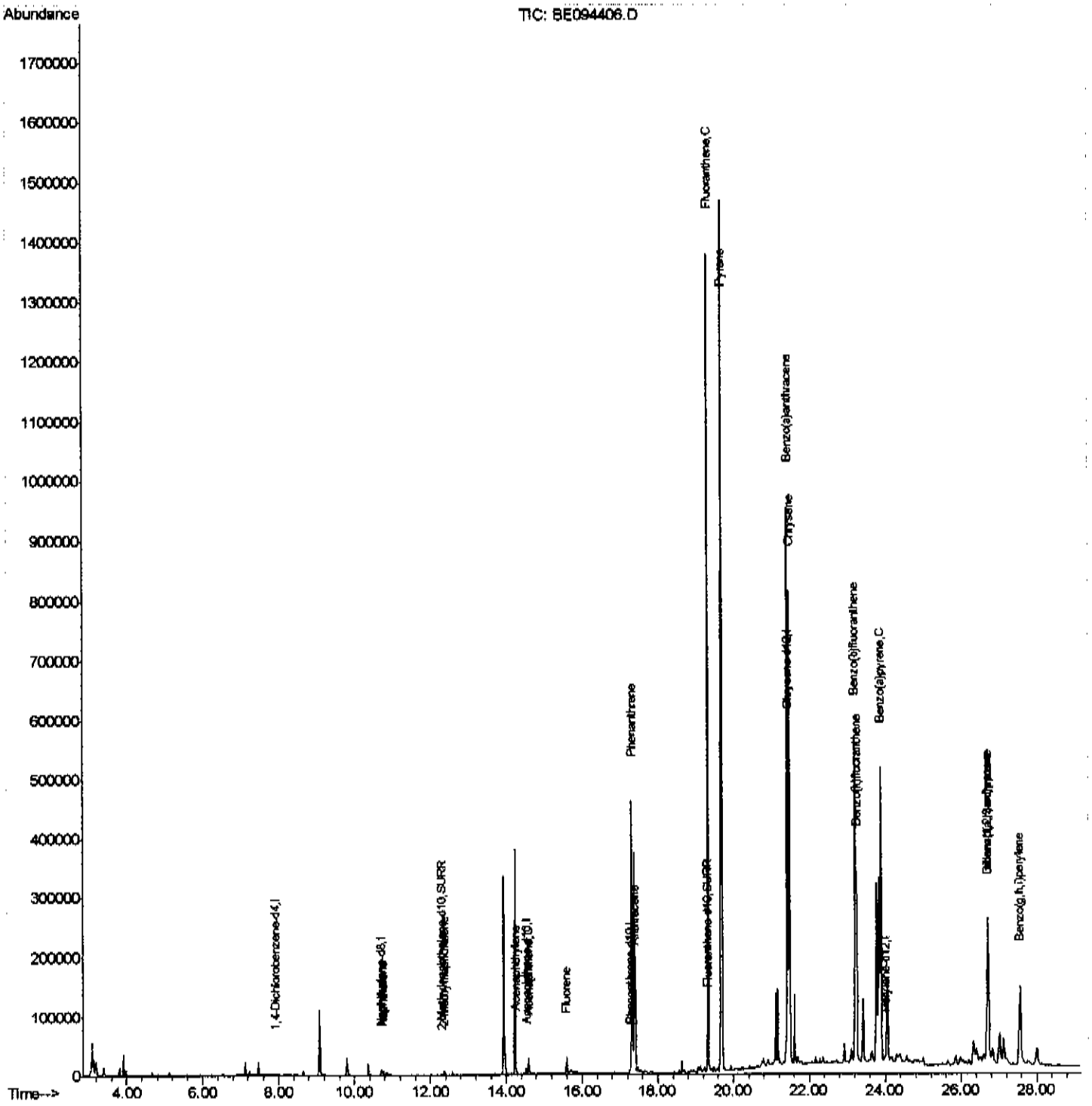
Instrument :
BNA_E
ClientSampleId :
C0AD1

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:45 PM

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094406.D
Acq On : 15 Oct 2017 23:04
Operator : SJ/JU
Sample : I5548-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 16 08:23:44 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



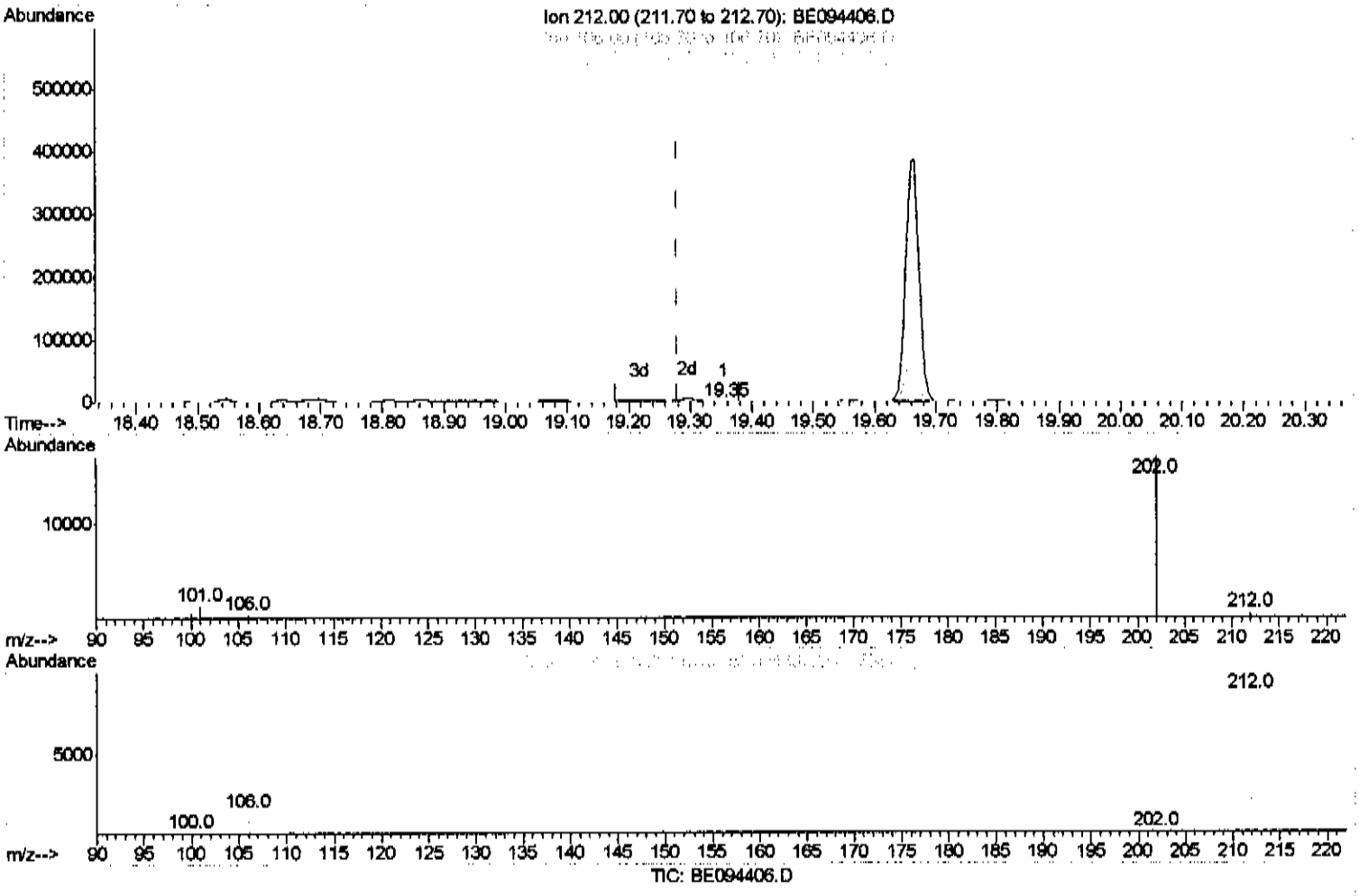
Instrument :
BNA_E
ClientSampleId :
C0AD1

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:45 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094406.D
Acq On : 15 Oct 2017 23:04
Operator : SJ/JU
Sample : I5548-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 16 07:54:43 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



(14) Fluoranthene-d10 (SURR)

19.355min (+0.074) 0.01ng/ul

response 281

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	18.86
104.00	15.60	17.79
0.00	0.00	0.00

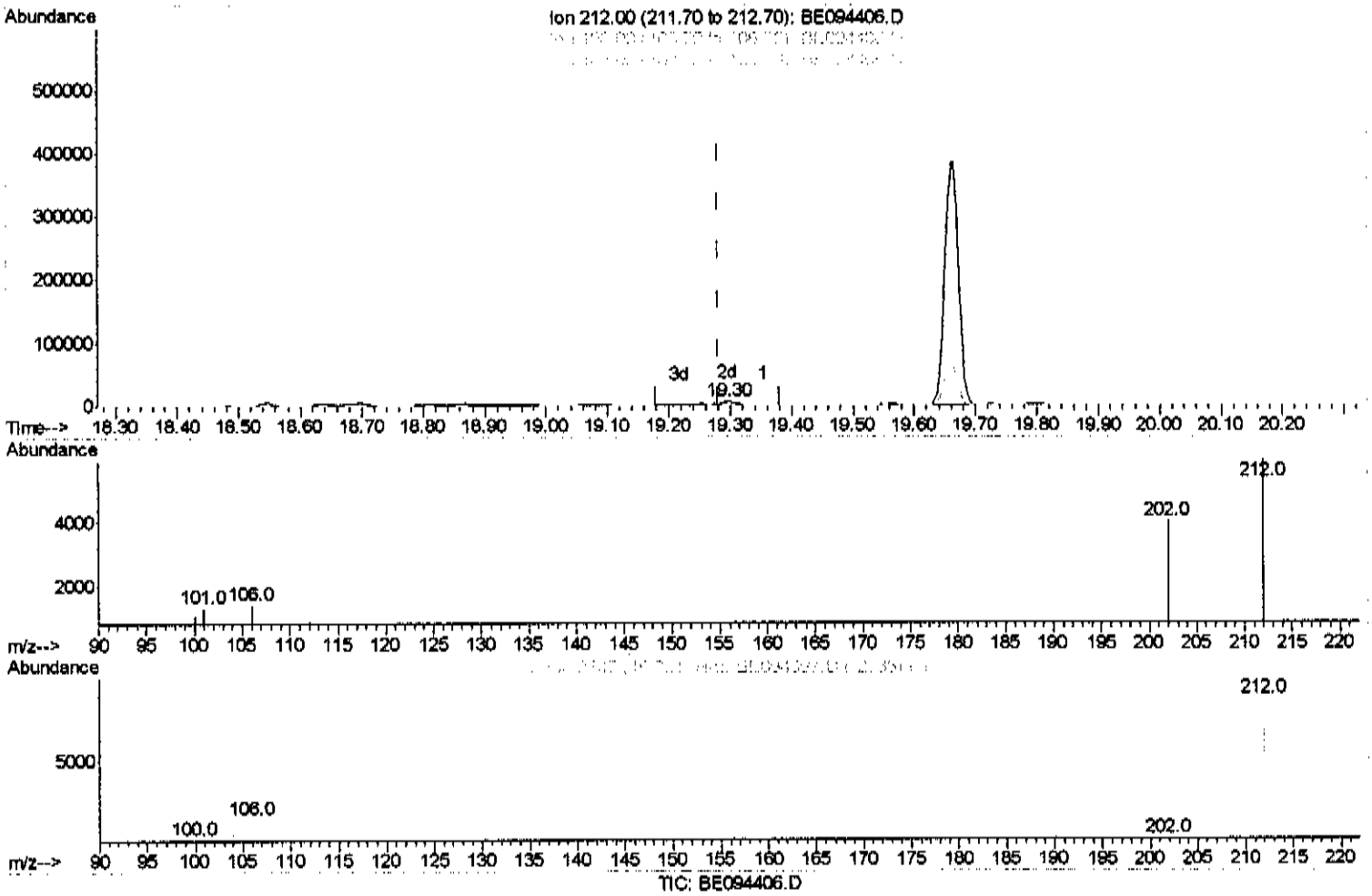
Instrument :
BNA_E
ClientSampleId :
C0AD1

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:45 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094406.D
Acq On : 15 Oct 2017 23:04
Operator : SJ/JU
Sample : I5548-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 16 07:54:43 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



(14) Fluoranthene-d10 (SURR)

19.295min (+0.014) 0.17ng/ul m SJ 10/16/17

response 7040

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	0.75#
104.00	15.60	0.71#
0.00	0.00	0.00

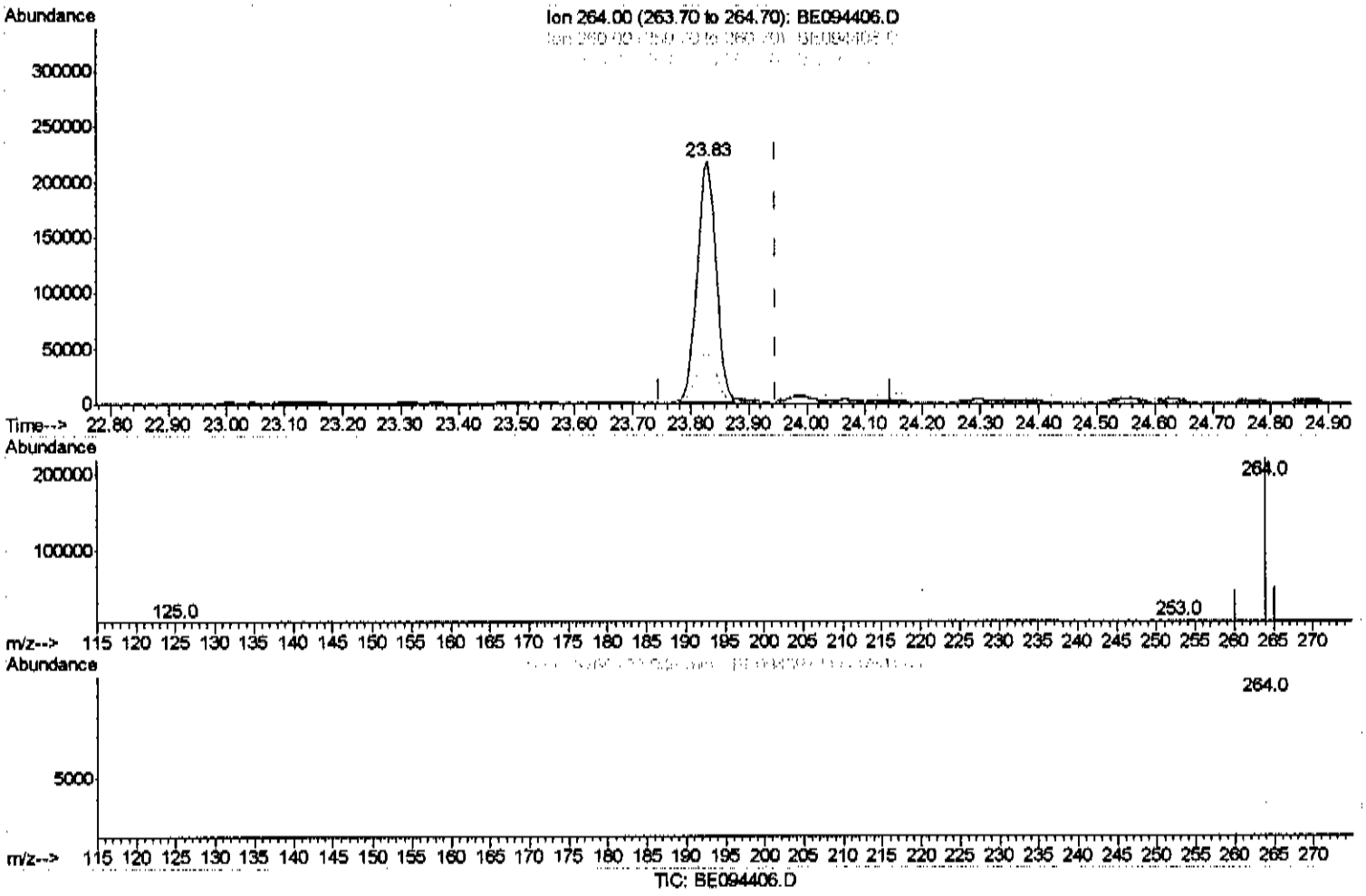
Instrument :
BNA_E
ClientSampleId :
C0AD1

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:45 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094406.D
Acq On : 15 Oct 2017 23:04
Operator : SJ/JU
Sample : I5548-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 16 08:21:42 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: BE094406.D

(20) Perylene-d12 (I)

23.828min (-0.118) 0.40ng/ul

response 482566

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.52#
265.00	103.50	22.91#
0.00	0.00	0.00

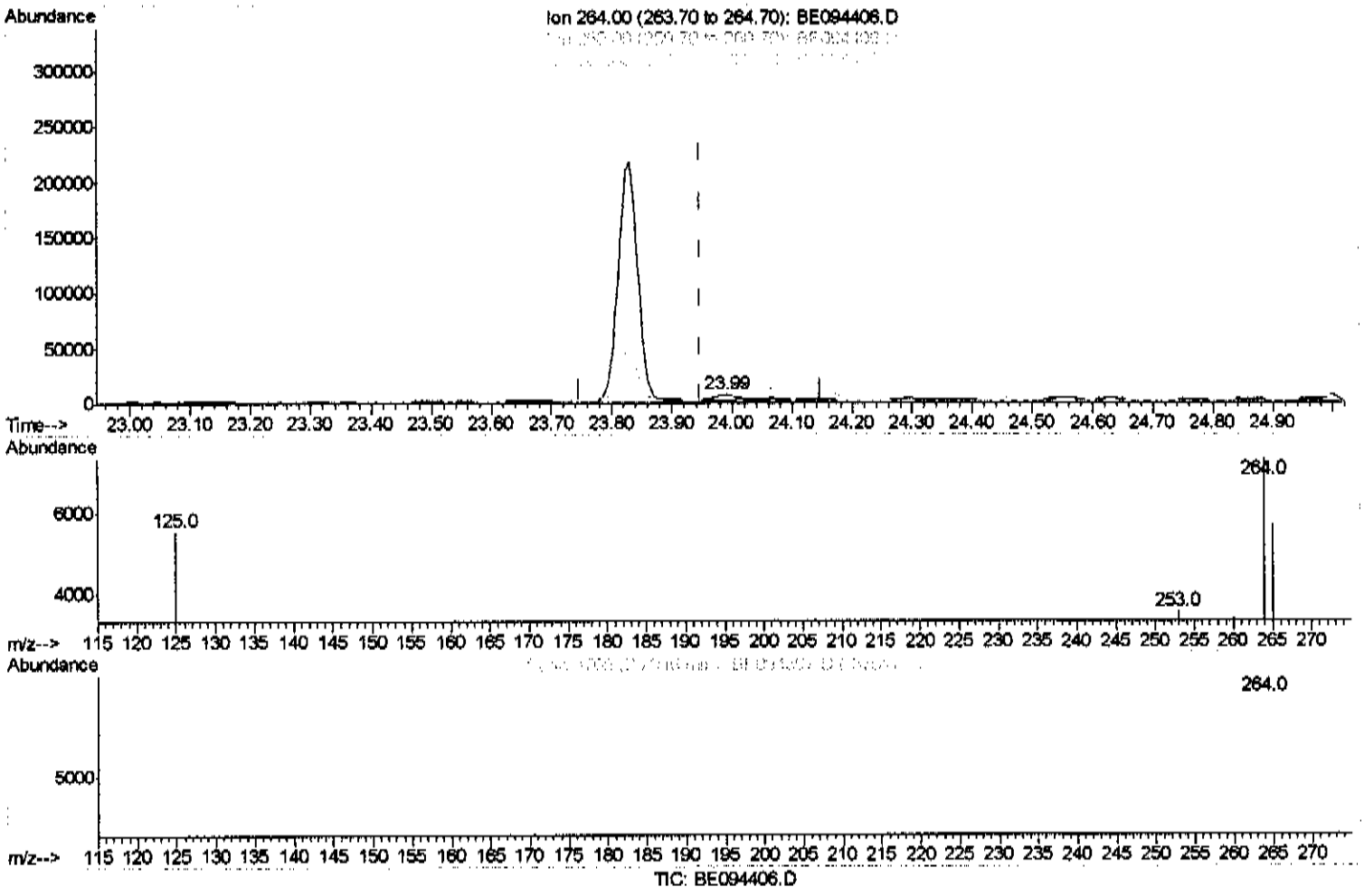
Instrument :
BNA_E
ClientSampleId :
C0AD1

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:45 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094406.D
Acq On : 15 Oct 2017 23:04
Operator : SJ/JU
Sample : I5548-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 16 08:21:42 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



(20) Perylene-d12 (I)

23.987min (+0.041) 0.40ng/ul m 10/16/17

response 12945

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	46.15#
265.00	103.50	77.83#
0.00	0.00	0.00

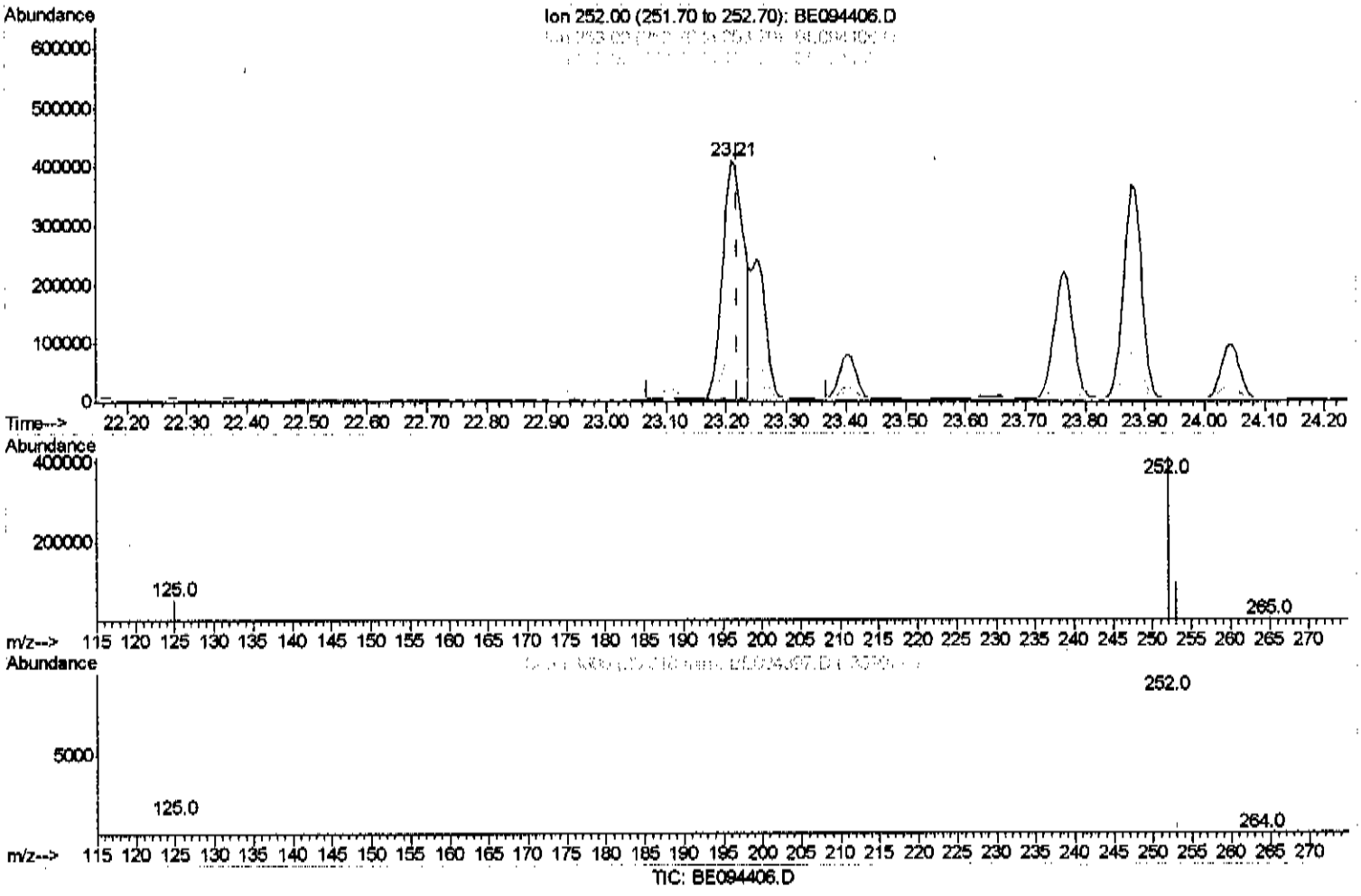
Instrument :
BNA_E
ClientSampleId :
C0AD1

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:45 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094406.D
Acq On : 15 Oct 2017 23:04
Operator : SJ/JU
Sample : I5548-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 16 08:22:20 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



(22) Benzo(k)fluoranthene

23.209min (-0.009) 24.61ng/ul

response 1000330

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.40#
125.00	17.10	12.82#
0.00	0.00	0.00

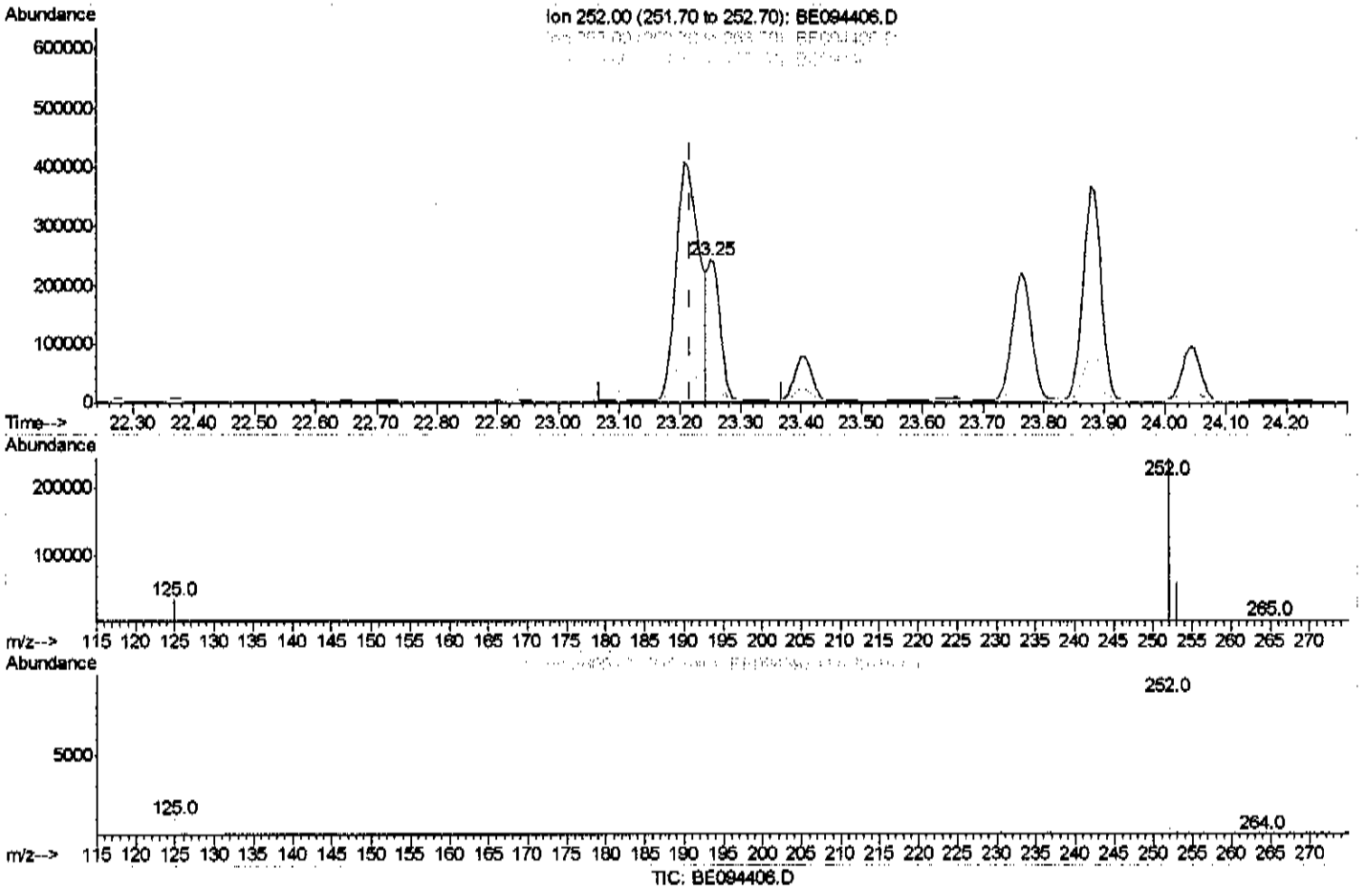
Instrument :
BNA_E
ClientSampleId :
C0AD1

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:45 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094406.D
Acq On : 15 Oct 2017 23:04
Operator : SJ/JU
Sample : I5548-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 16 08:22:20 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: BE094406.D

(22) Benzo(k)fluoranthene

23.250min (+0.032) 8.89ng/ul m JV 10/16/17

response 361210

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	24.15#
125.00	17.10	13.50#
0.00	0.00	0.00

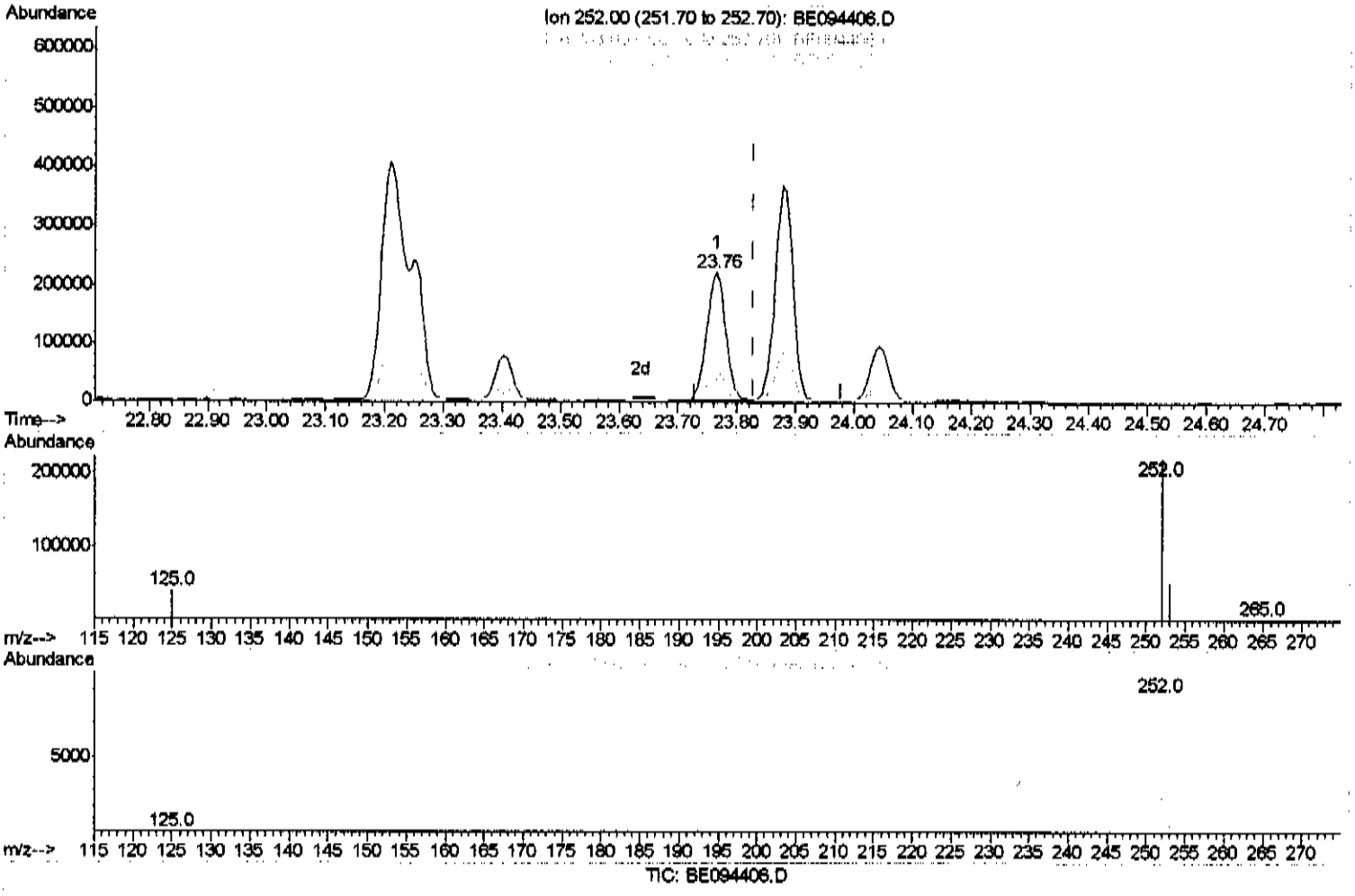
Instrument :
BNA_E
ClientSampleId :
C0AD1

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:45 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094406.D
Acq On : 15 Oct 2017 23:04
Operator : SJ/JU
Sample : I5548-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 16 08:22:20 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)

23.764min (-0.063) 13.59ng/ul

response 496479

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	23.70#
125.00	22.60	18.11
0.00	0.00	0.00

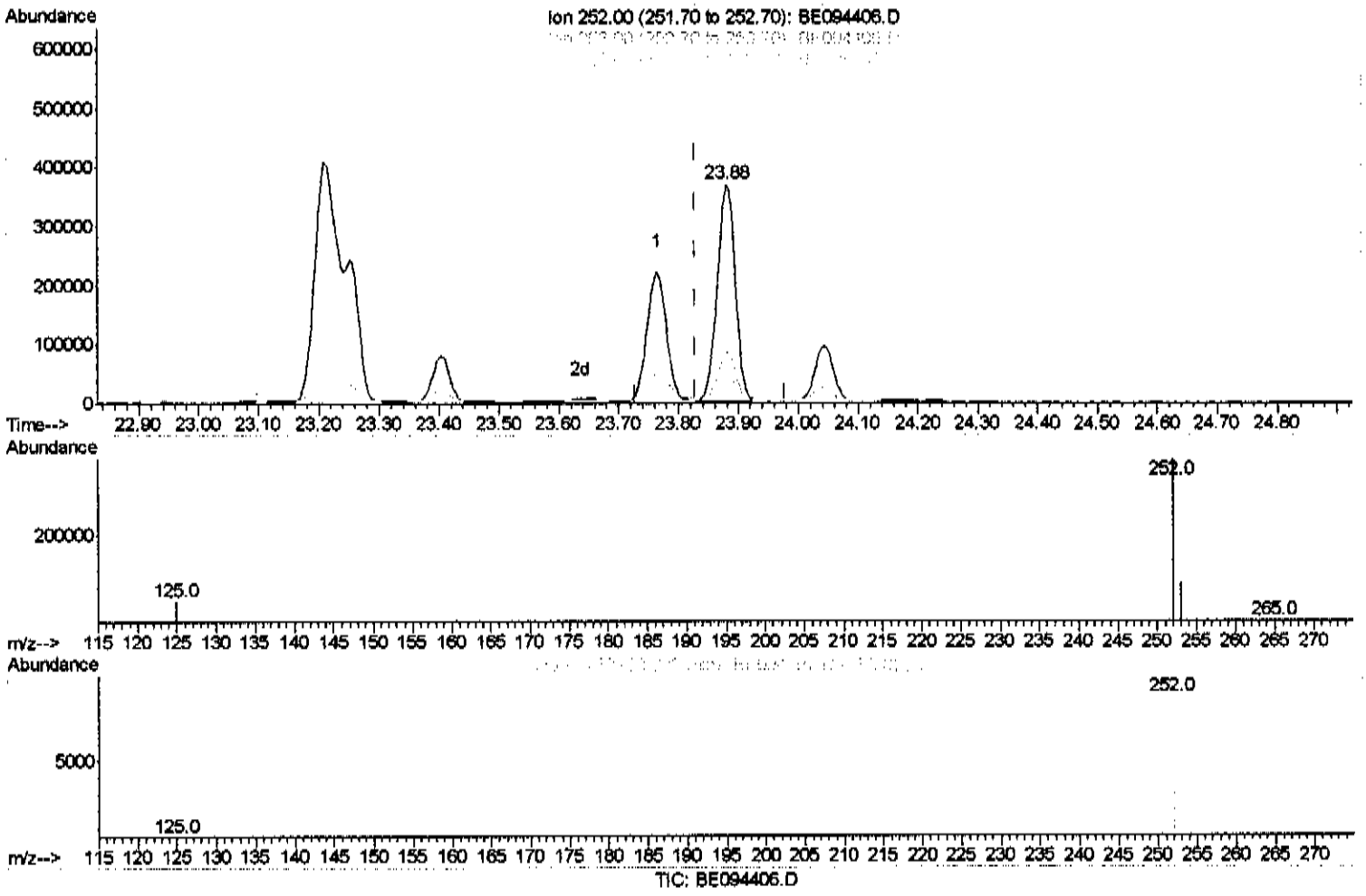
Instrument :
BNA_E
ClientSampleId :
C0AD1

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:45 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094406.D
Acq On : 15 Oct 2017 23:04
Operator : SJ/JU
Sample : I5548-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 16 08:22:20 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)

23.878min (+0.050) 21.11ng/ul m JU 10/16/17

response 771259

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	23.57#
125.00	22.60	13.28#
0.00	0.00	0.00

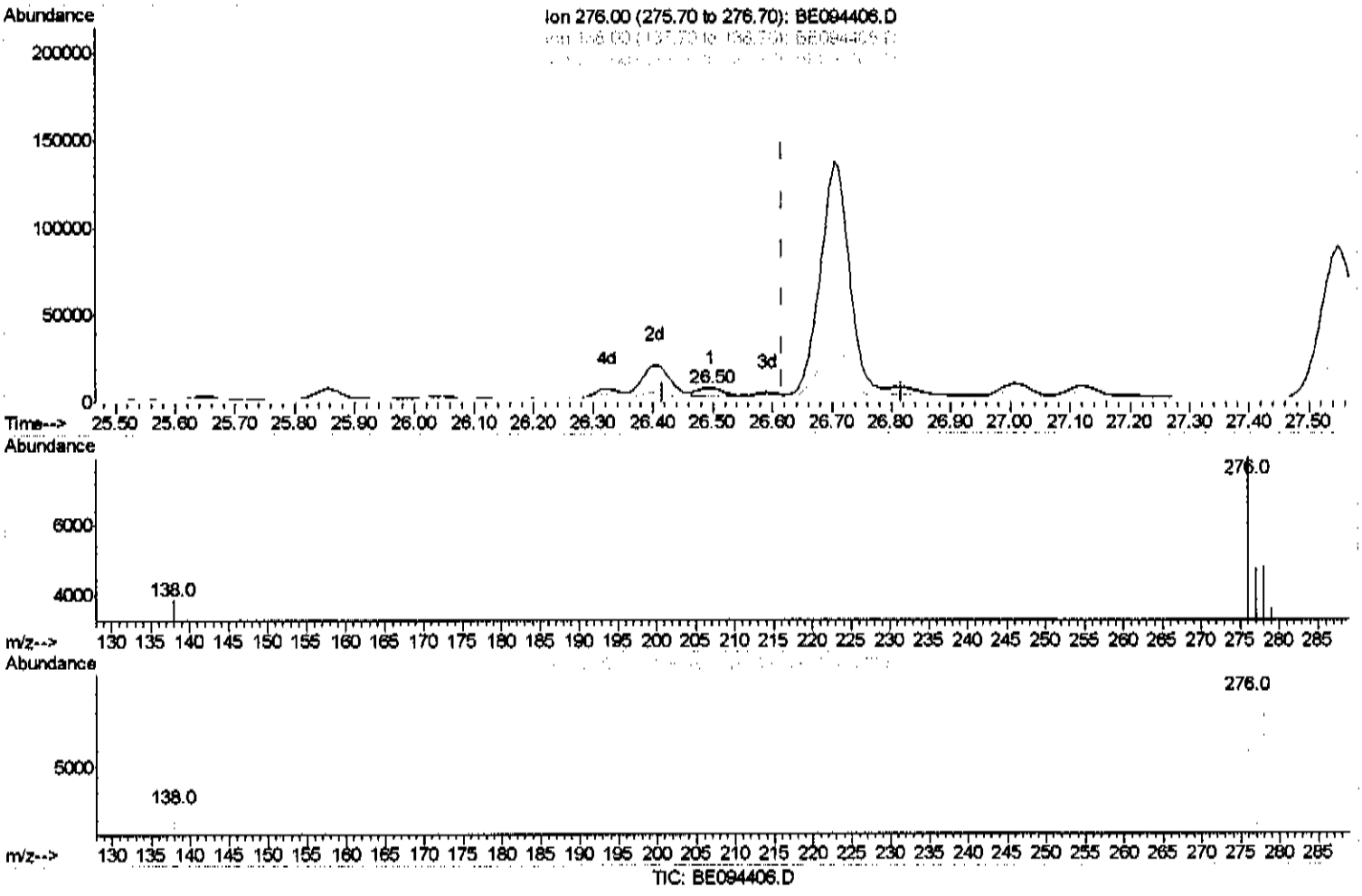
Instrument :
BNA_E
ClientSampleId :
C0AD1

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:45 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094406.D
Acq On : 15 Oct 2017 23:04
Operator : SJ/JU
Sample : I5548-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 16 08:22:20 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



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

26.496min (-0.122) 0.31ng/ul

response 11694

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	25.77#
227.00	10.00	0.00#
0.00	0.00	0.00

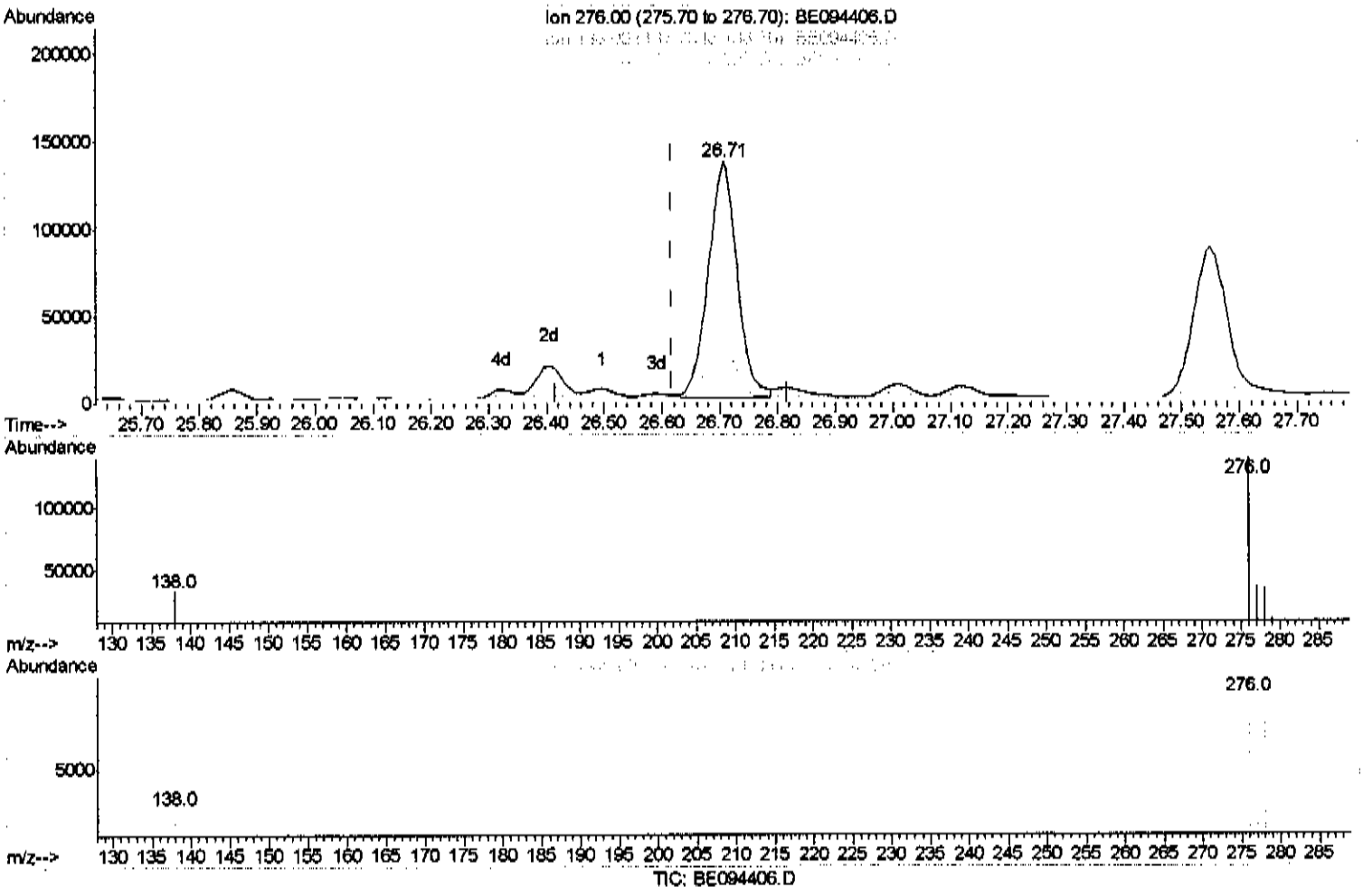
Instrument :
BNA_E
ClientSampleId :
C0AD1

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:45 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094406.D
Acq On : 15 Oct 2017 23:04
Operator : SJ/JU
Sample : I5548-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 16 08:22:20 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



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

26.705min (+0.088) 12.43ng/ul m JU 10/16/17

response 464474

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	0.65#
227.00	10.00	0.00#
0.00	0.00	0.00

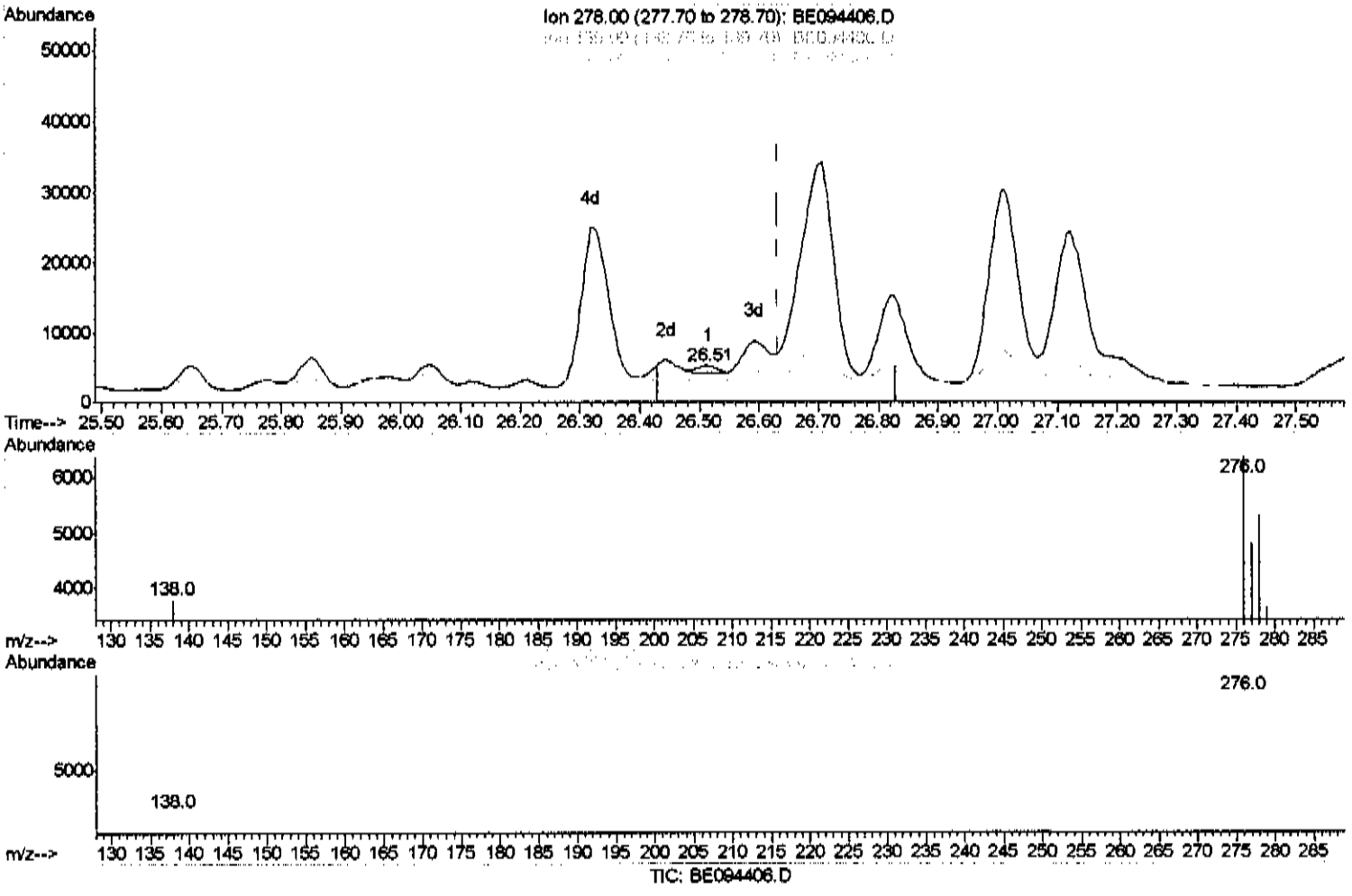
Instrument :
BNA_E
ClientSampleId :
C0AD1

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:45 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094406.D
Acq On : 15 Oct 2017 23:04
Operator : SJ/JU
Sample : I5548-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 16 08:22:20 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: BE094406.D

(25) Dibenzo(a,h)anthracene

26.514min (-0.118) 0.07ng/ul

response 2147

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	64.25#
279.00	32.40	68.82#
0.00	0.00	0.00

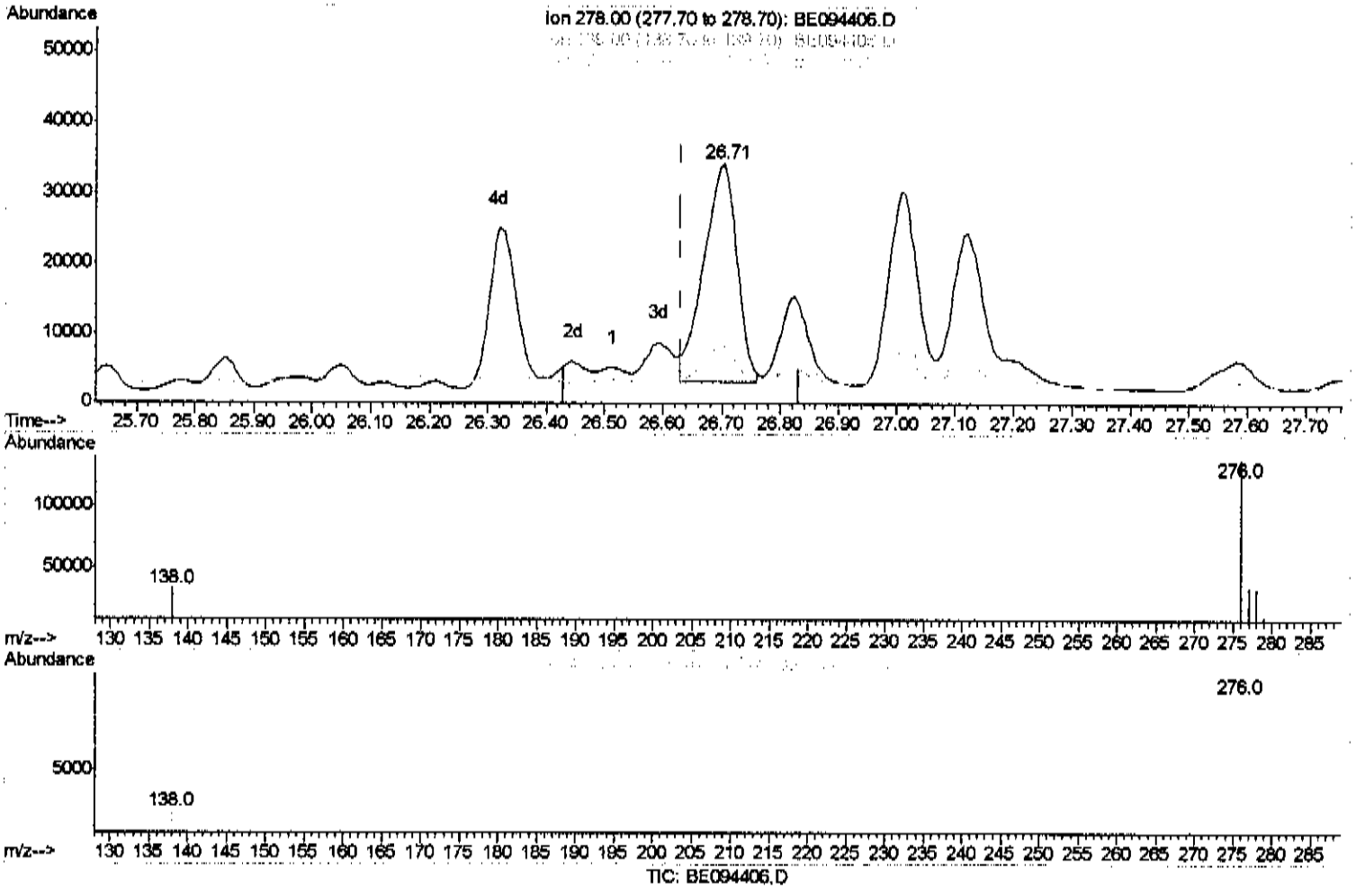
Instrument :
BNA_E
ClientSampleId :
C0AD1

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:45 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094406.D
Acq On : 15 Oct 2017 23:04
Operator : SJ/JU
Sample : I5548-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 16 08:22:20 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: BE094406.D

(25) Dibenzo(a,h)anthracene

26.705min (+0.074) 3.95ng/ul m JJ 10/16/17

response 123839

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	24.52
279.00	32.40	31.55
0.00	0.00	0.00

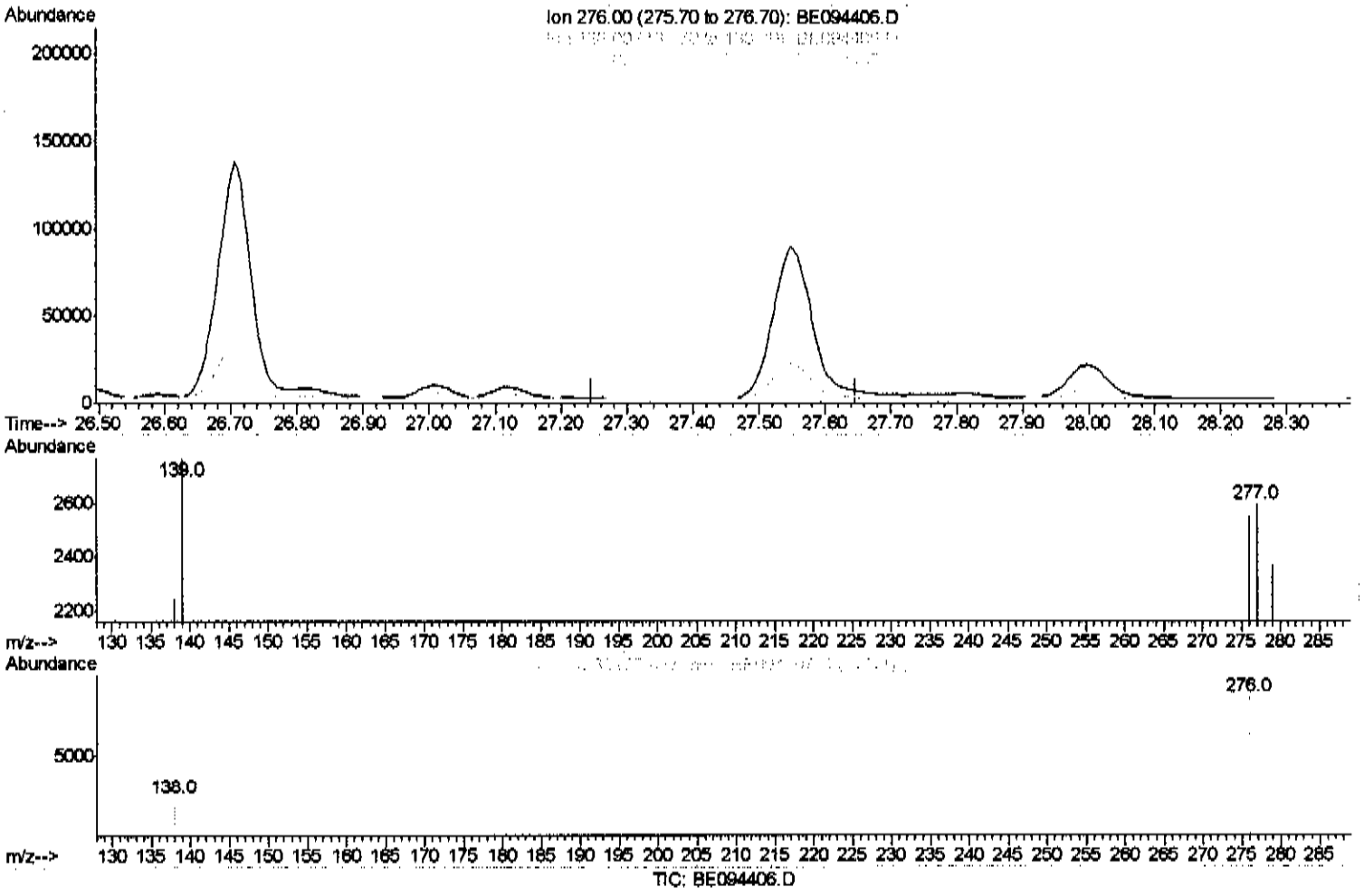
Instrument :
BNA_E
ClientSampleId :
C0AD1

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:45 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094406.D
Acq On : 15 Oct 2017 23:04
Operator : SJ/JU
Sample : I5548-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 16 08:22:20 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



(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

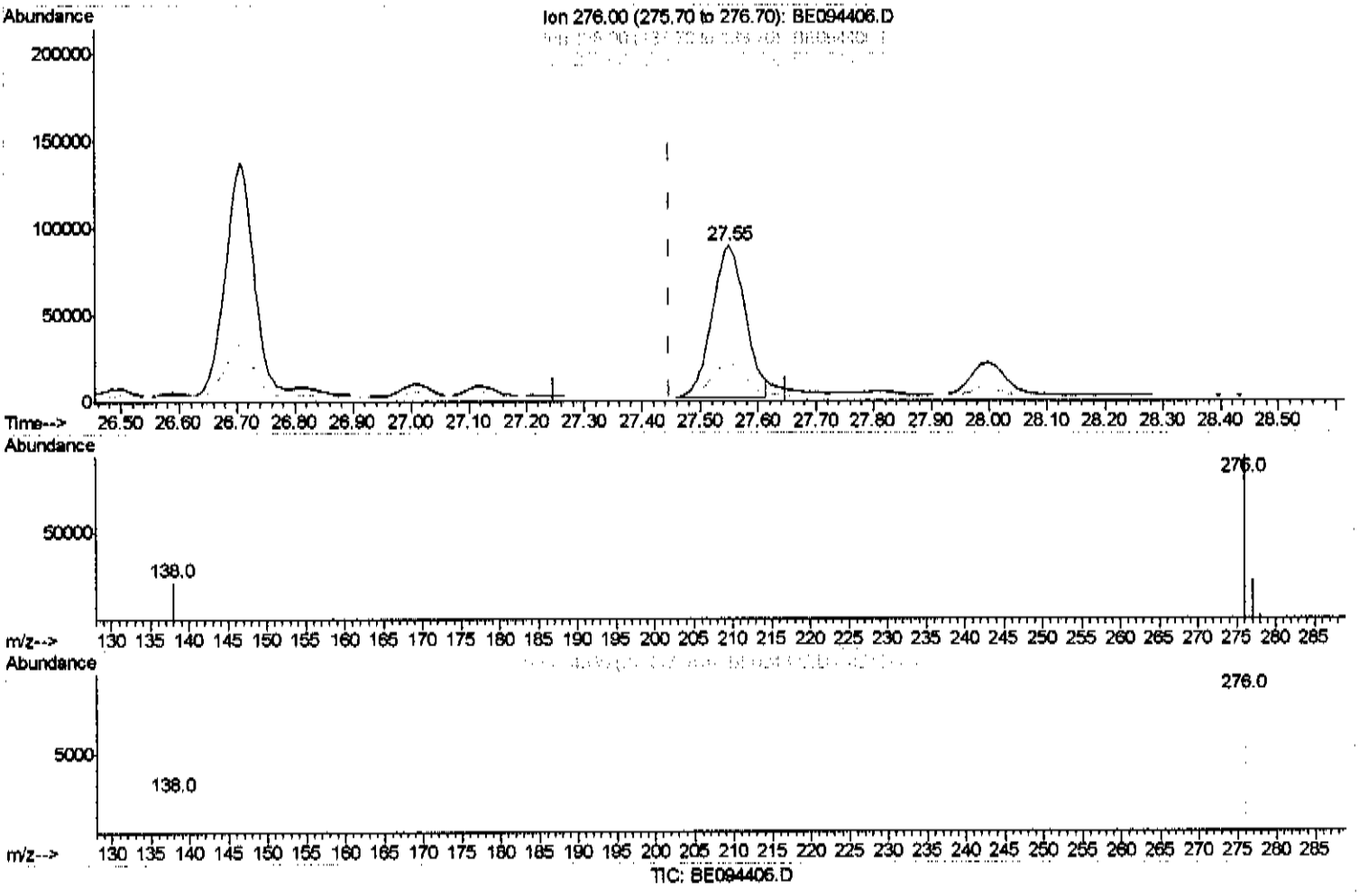
Instrument :
BNA_E
ClientSampleId :
C0AD1

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:45 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094406.D
Acq On : 15 Oct 2017 23:04
Operator : SJ/JU
Sample : I5548-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 16 08:22:20 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: BE094406.D

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

27.548min (+0.101) 10.97ng/ul m JU 10/16/17

response 353647

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	25.67
277.00	25.60	26.05
0.00	0.00	0.00

Instrument : BNA_E
ClientSampleId : C0AD1

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:45 PM

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094406.D
Acq On : 15 Oct 2017 23:04
Operator : SJ/JU
Sample : I5548-20
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 16 08:23:44 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1968	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	10496	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.53	164	6111	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.27	188	12235	0.40	ng/ul	0.02
16) Chrysene-d12	21.44	240	11426	0.40	ng/ul	0.02
20) Perylene-d12	23.99	264	12945m	0.40	ng/ul	0.04
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	3233	0.20	ng/ul	0.00
14) Fluoranthene-d10	19.30	212	7040m	0.17	ng/ul	0.01
Target Compounds						Qvalue
3) Naphthalene	10.76	128	11474	0.446	ng/ul#	92
5) 2-Methylnaphthalene	12.36	142	6889	0.413	ng/ul	99
7) Acenaphthylene	14.26	152	15256	0.640	ng/ul	98
8) Acenaphthene	14.59	153	16437	0.838	ng/ul	97
9) Fluorene	15.58	166	18630	0.811	ng/ul	95
12) Phenanthrene	17.31	178	491575	15.375	ng/ul#	89
13) Anthracene	17.40	178	151869	4.884	ng/ul#	89
15) Fluoranthene	19.33	202	1636301	38.950	ng/ul	84
17) Pyrene	19.69	202	1635416	51.443	ng/ul#	84
18) Benzo(a)anthracene	21.43	228	929322	30.659	ng/ul#	86
19) Chrysene	21.48	228	820527	23.440	ng/ul	98
21) Benzo(b)fluoranthene	23.21	252	1000330	28.447	ng/ul	86
22) Benzo(k)fluoranthene	23.25	252	361210m	8.887	ng/ul	
23) Benzo(a)pyrene	23.88	252	771259m	21.107	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.71	276	464474m	12.426	ng/ul	
25) Dibenzo(a,h)anthracene	26.71	278	123839m	3.950	ng/ul	
26) Benzo(g,h,i)perylene	27.55	276	353647m	10.968	ng/ul	

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