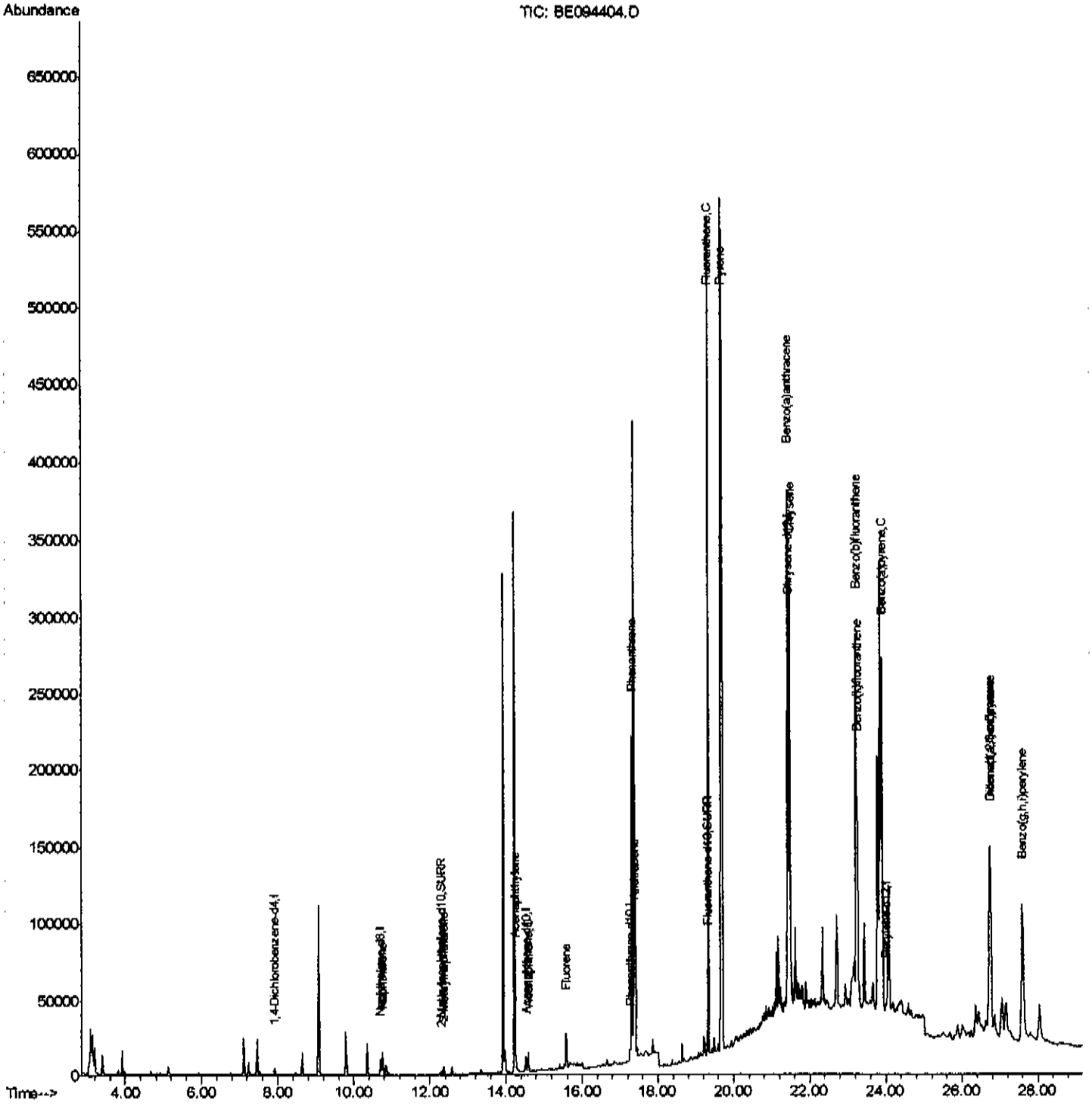
Instrument :
BNA_E
ClientSampleId :
C0AF7

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:41 PM

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094404.D
Acq On : 15 Oct 2017 21:50
Operator : SJ/JU
Sample : I5548-17
Misc :
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Oct 16 08:18:33 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



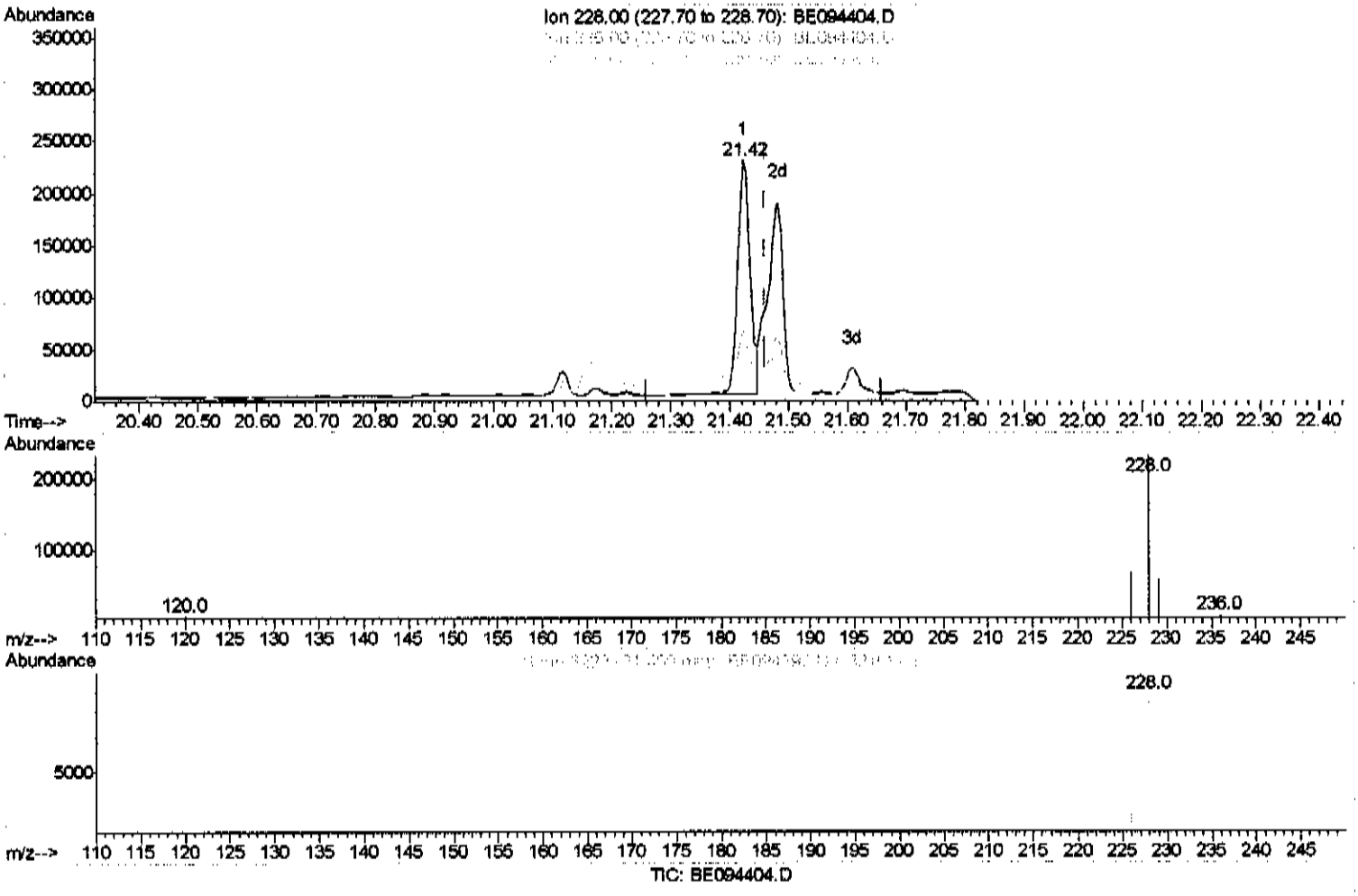
Instrument :
BNA_E
ClientSampleId :
C0AF7

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:41 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094404.D
Acq On : 15 Oct 2017 21:50
Operator : SJ/JU
Sample : I5548-17
Misc :
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Oct 16 07:54:19 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



(19) Chrysene

21.423min (-0.037) 10.07ng/ul

response 329711

Ion	Exp%	Act%
228.00	100	100
226.00	29.20	29.91
229.00	22.10	25.67
0.00	0.00	0.00

Instrument :
BNA_E
ClientSampleId :
C0AF7

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:41 PM

Quantitation Report (Qedit)

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Misc :
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Quant Time: Oct 16 07:54:19 2017
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QLast Update : Mon Oct 16 07:45:00 2017
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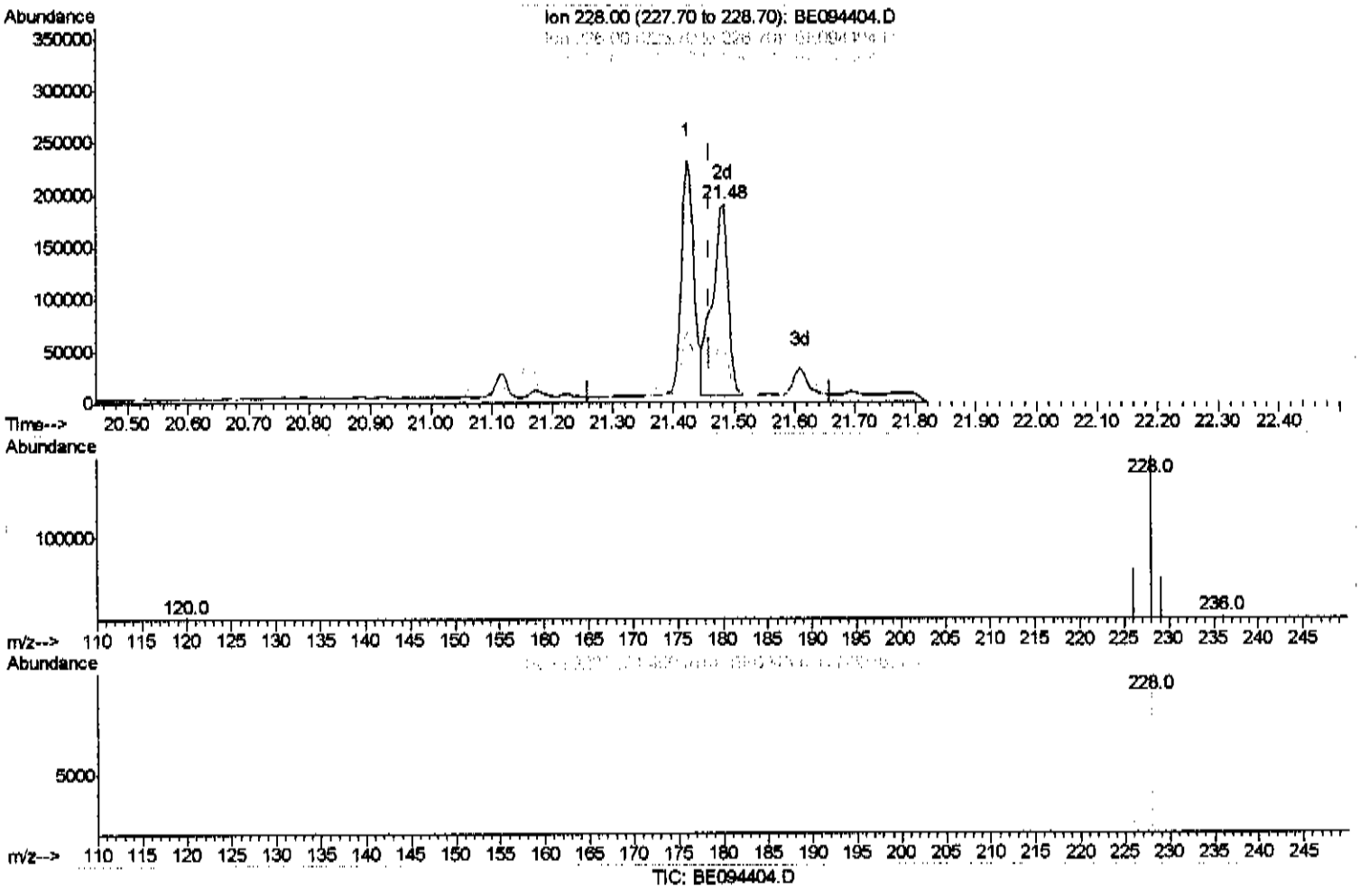

TIC: BE094404.D

(19) Chrysene

21.482min (+0.022) 10.40ng/ul m JU 10/16/17

response 340346

Ion	Exp%	Act%
228.00	100	100
226.00	29.20	32.58
229.00	22.10	27.27#
0.00	0.00	0.00

Instrument :
BNA_E
ClientSampleId :
C0AF7

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:41 PM

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Misc :
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Quant Time: Oct 16 07:54:19 2017
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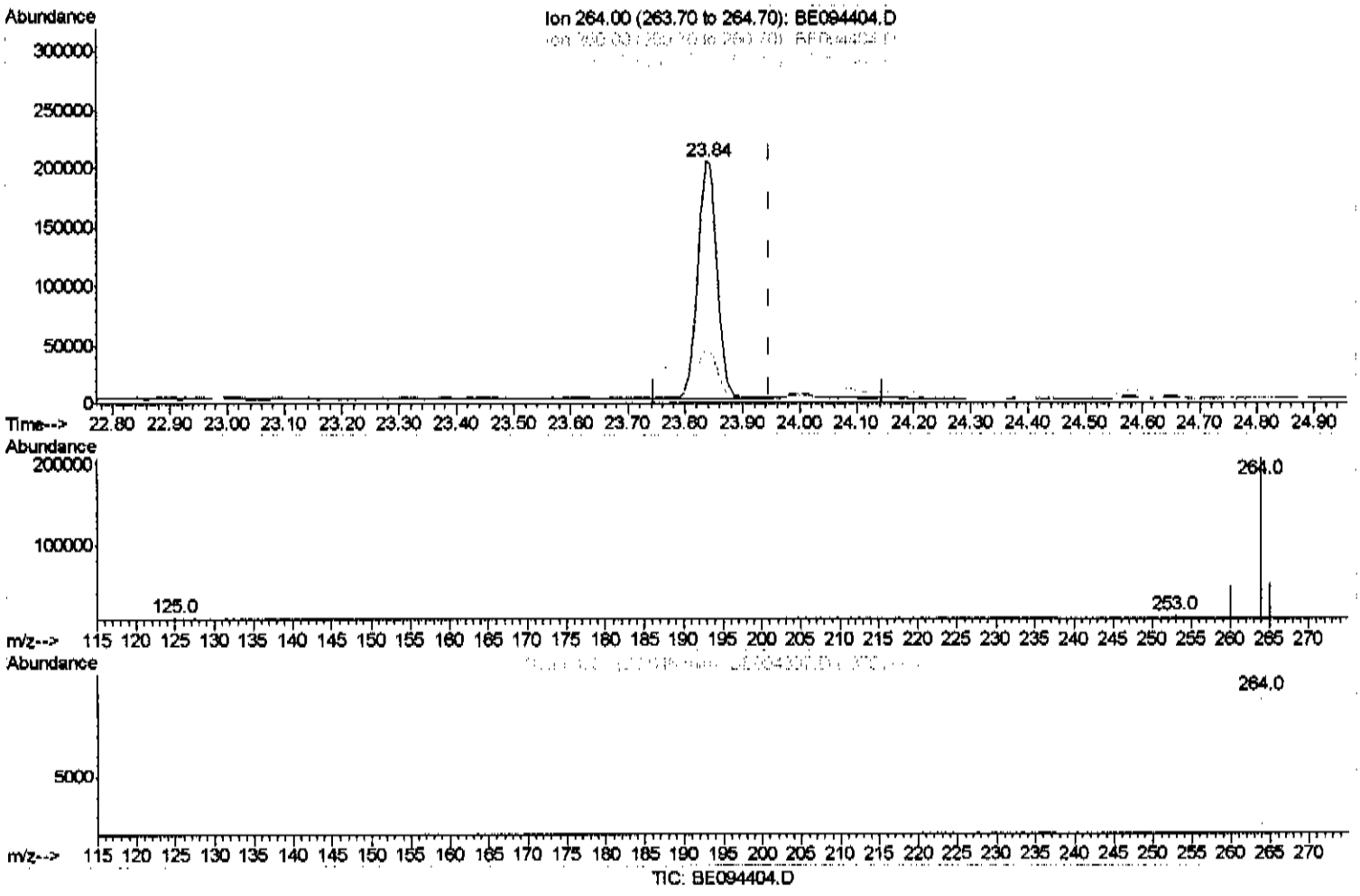

(20) Perylene-d12 (I)

23.837min (-0.109) 0.40ng/ul

response 467093

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	23.27#
265.00	103.50	25.23#
0.00	0.00	0.00

Instrument :
BNA_E
ClientSampleId :
C0AF7

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:41 PM

Quantitation Report (Qedit)

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Misc :
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Oct 16 07:54:19 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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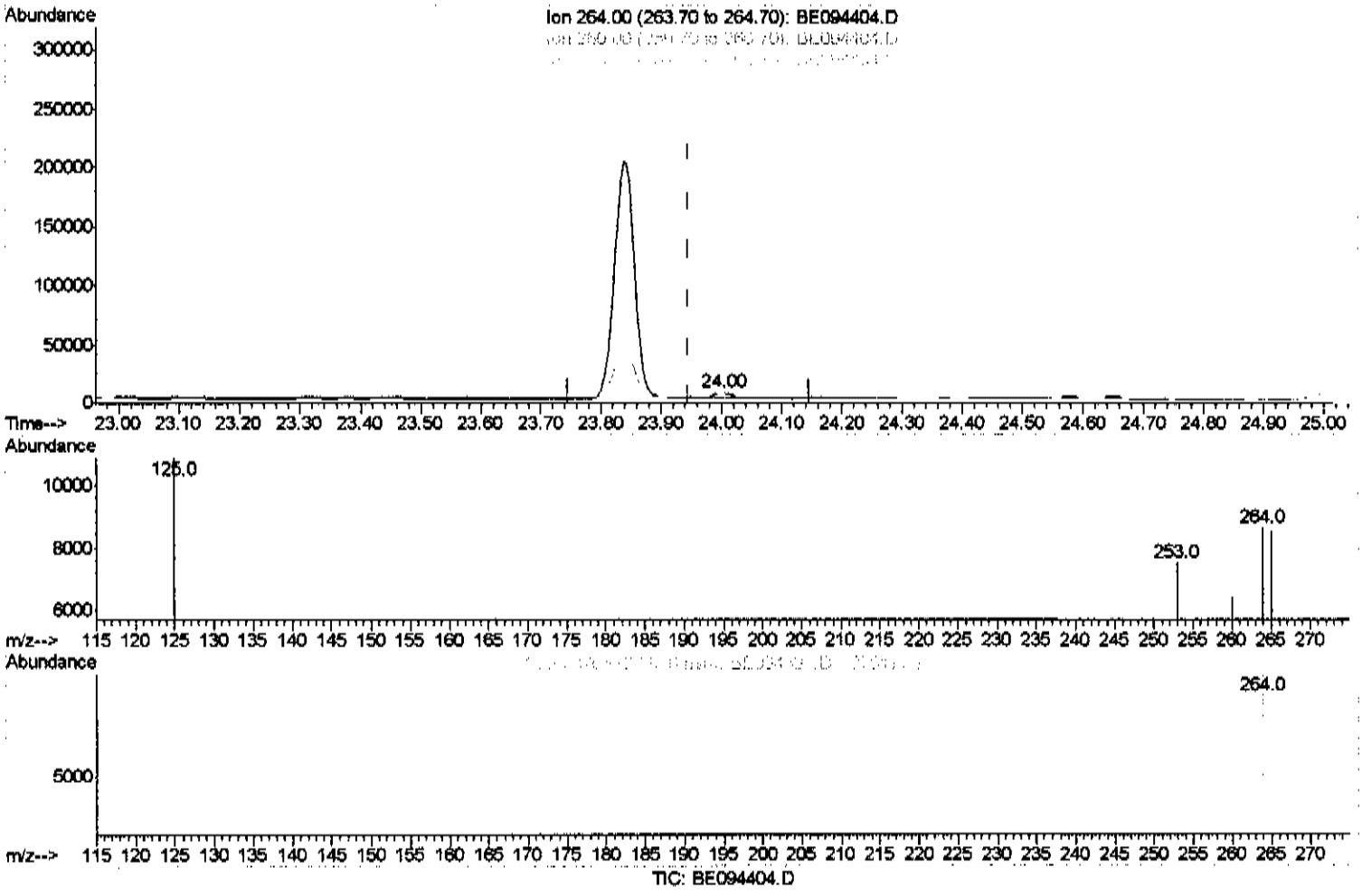

(20) Perylene-d12 (I)

24.001min (+0.055) 0.40ng/ul m JU 10/16/17

response 11384

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	74.66#
265.00	103.50	98.58
0.00	0.00	0.00

Instrument :
BNA_E
ClientSampleId :
C0AF7

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:41 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
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Operator : SJ/JU
Sample : I5548-17
Misc :
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Oct 16 08:17:00 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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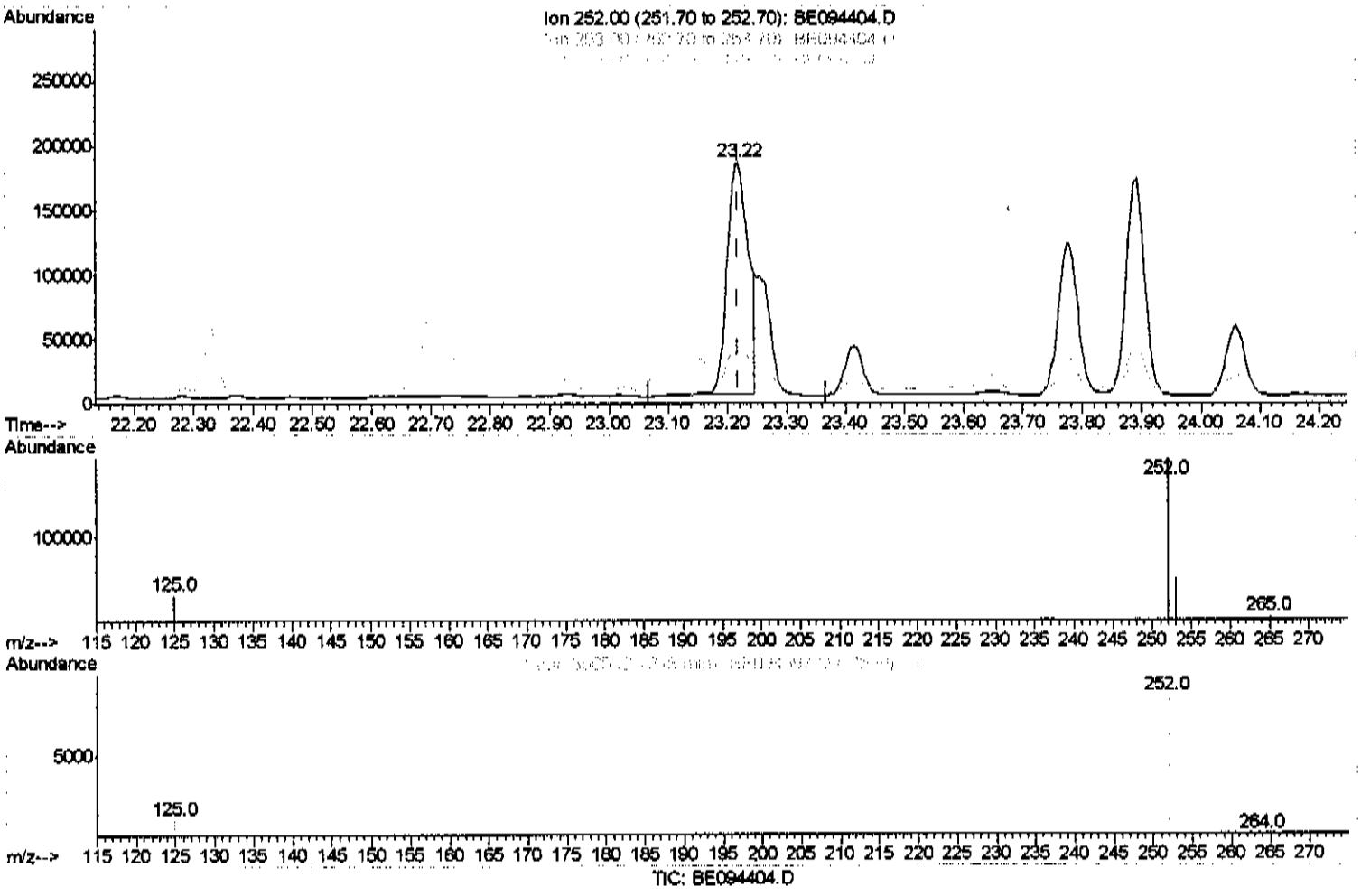

(22) Benzo(k)fluoranthene

23.218min (-0.000) 12.60ng/ul

response 450494

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	26.99
125.00	17.10	17.55
0.00	0.00	0.00

Instrument :
BNA_E
ClientSampleId :
C0AF7

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:41 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
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Operator : SJ/JU
Sample : I5548-17
Misc :
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Oct 16 08:17:00 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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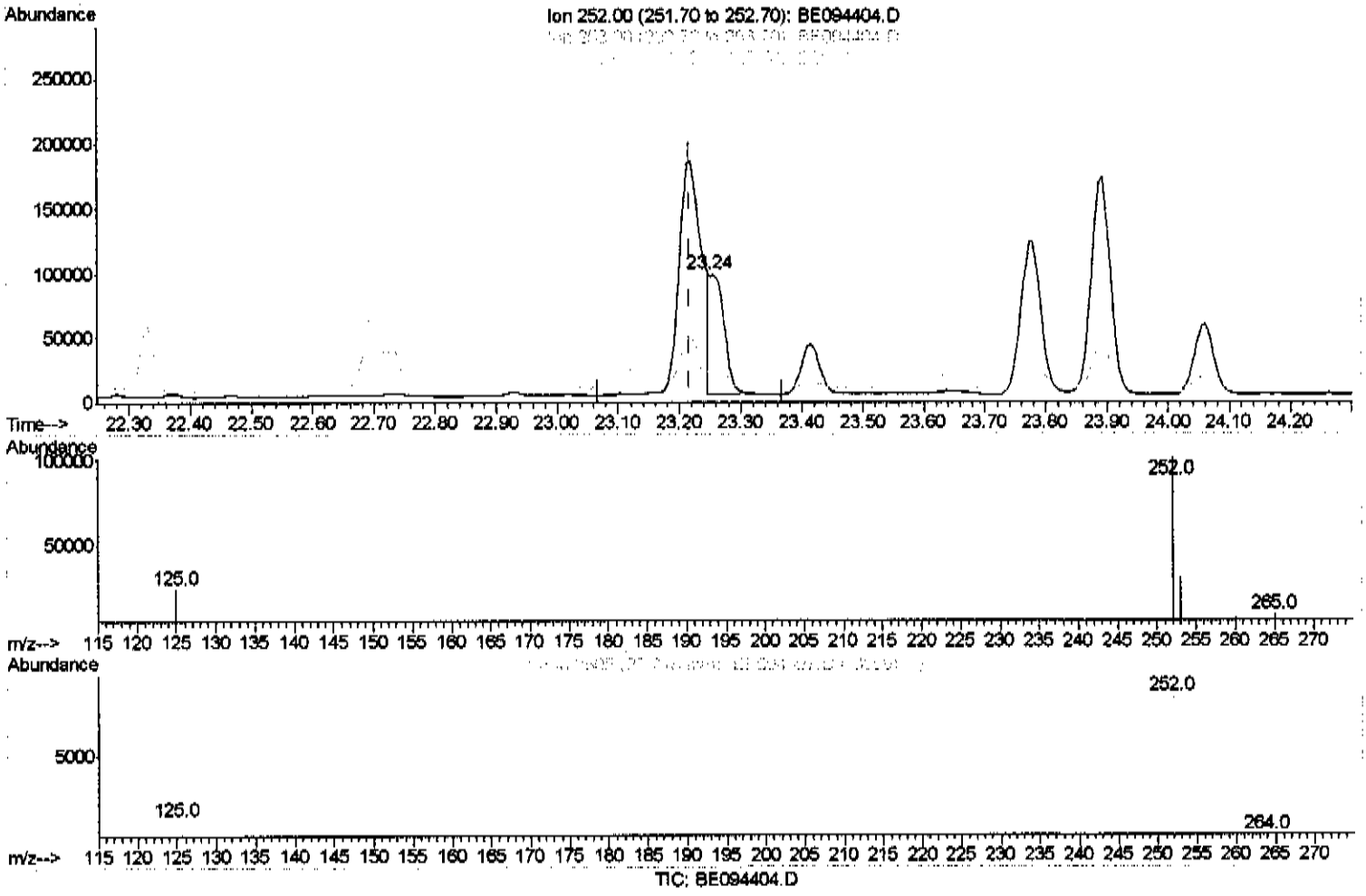


(22) Benzo(k)fluoranthene

23.245min (+0.027) 4.43ng/ul m JV 10/16/17

response 158242

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	30.00
125.00	17.10	23.43#
0.00	0.00	0.00

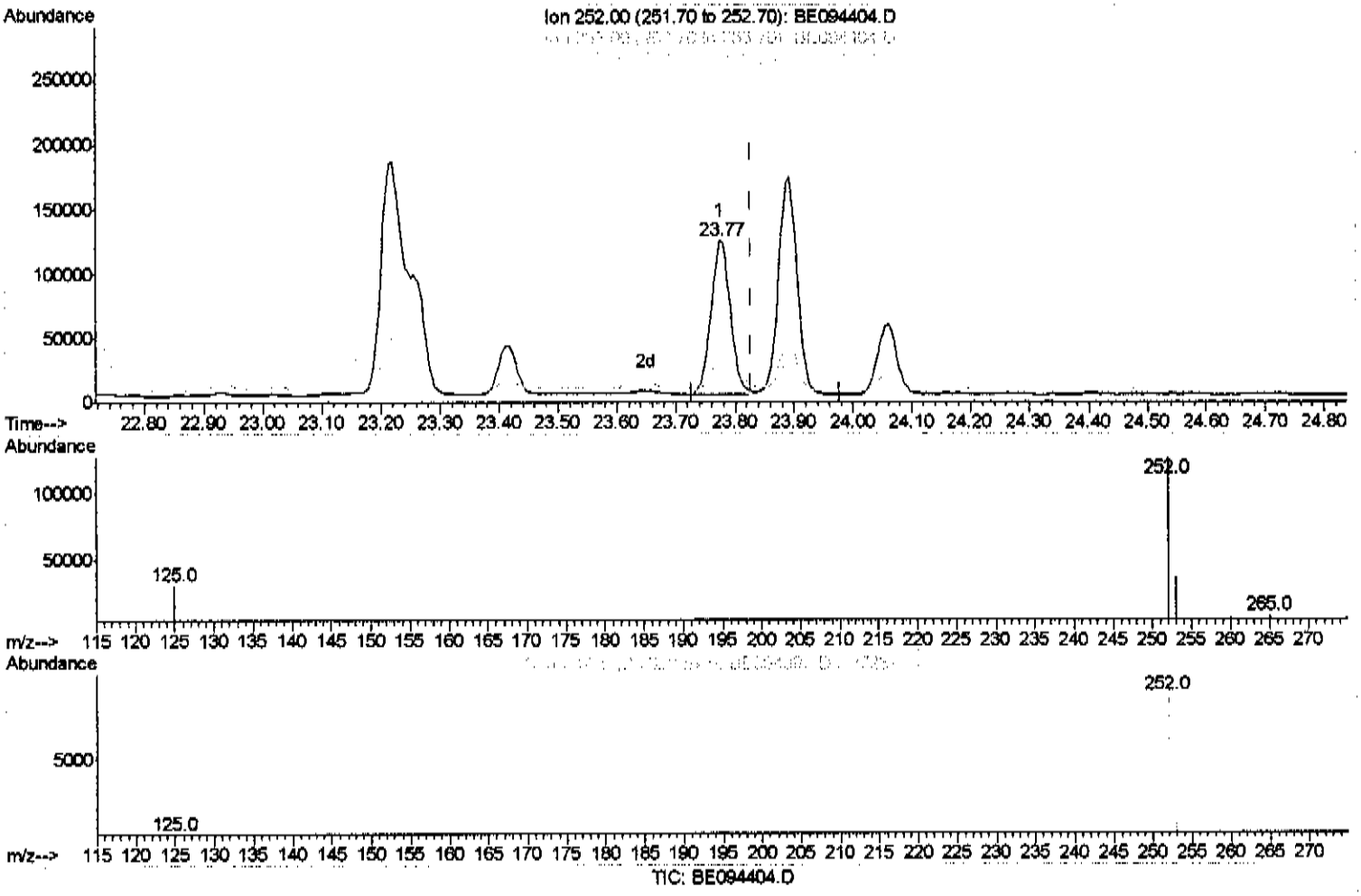
Instrument :
BNA_E
ClientSampleId :
C0AF7

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:41 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094404.D
Acq On : 15 Oct 2017 21:50
Operator : SJ/JU
Sample : I5548-17
Misc :
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Oct 16 08:17:00 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)

23.773min (-0.055) 8.61ng/ul

response 276534

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	28.67
125.00	22.60	23.80
0.00	0.00	0.00

Instrument :
BNA_E
ClientSampleId :
C0AF7

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:41 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094404.D
Acq On : 15 Oct 2017 21:50
Operator : SJ/JU
Sample : I5548-17
Misc :
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Oct 16 08:17:00 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
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QLast Update : Mon Oct 16 07:45:00 2017
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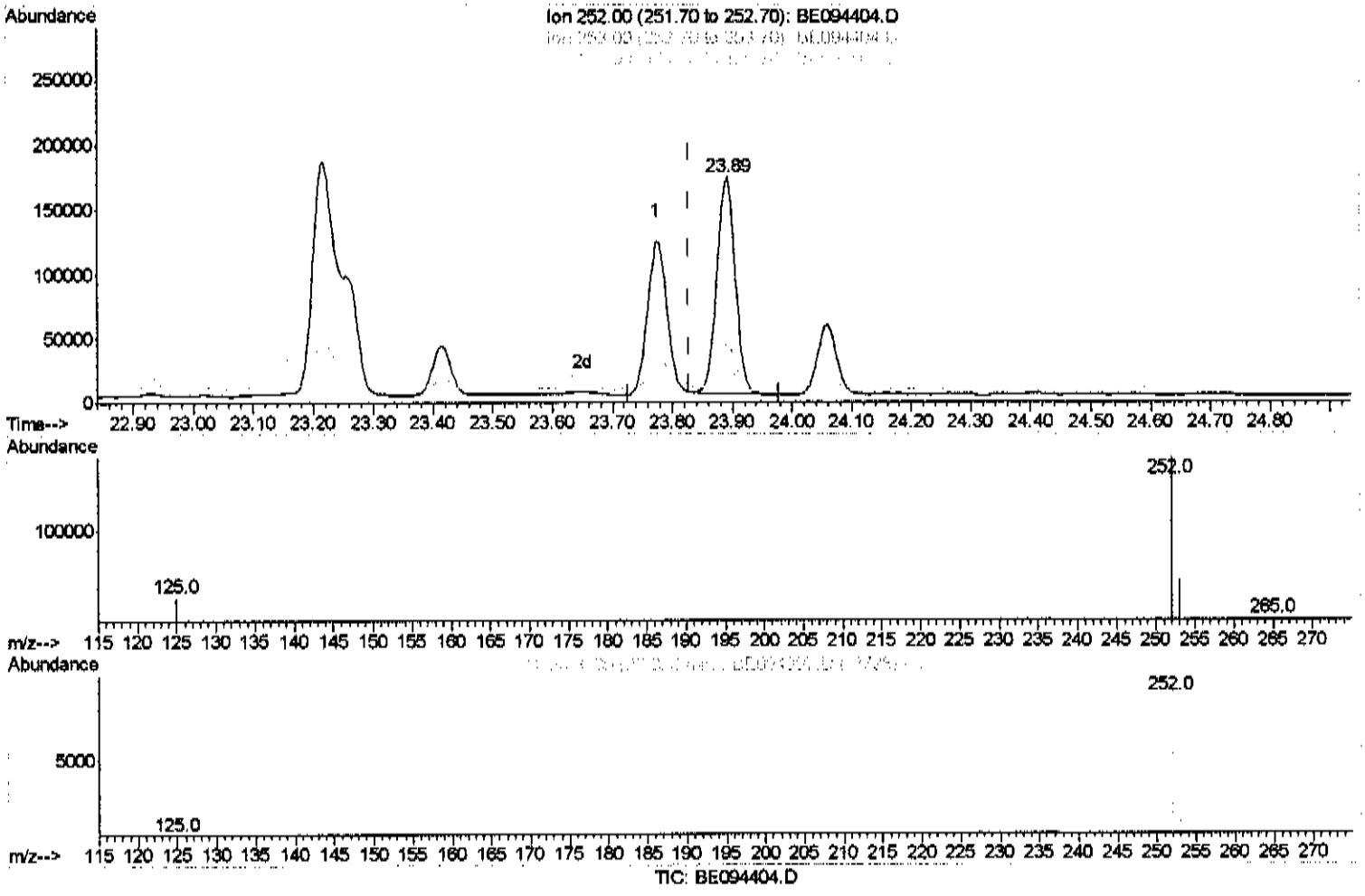

(23) Benzo(a)pyrene (C)

23.892min (+0.064) 11.22ng/ul m JU 10/16/17

response 360511

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	26.86#
125.00	22.60	17.38#
0.00	0.00	0.00

Instrument :
BNA_E
ClientSampleId :
C0AF7

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:41 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094404.D
Acq On : 15 Oct 2017 21:50
Operator : SJ/JU
Sample : I5548-17
Misc :
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Oct 16 08:17:00 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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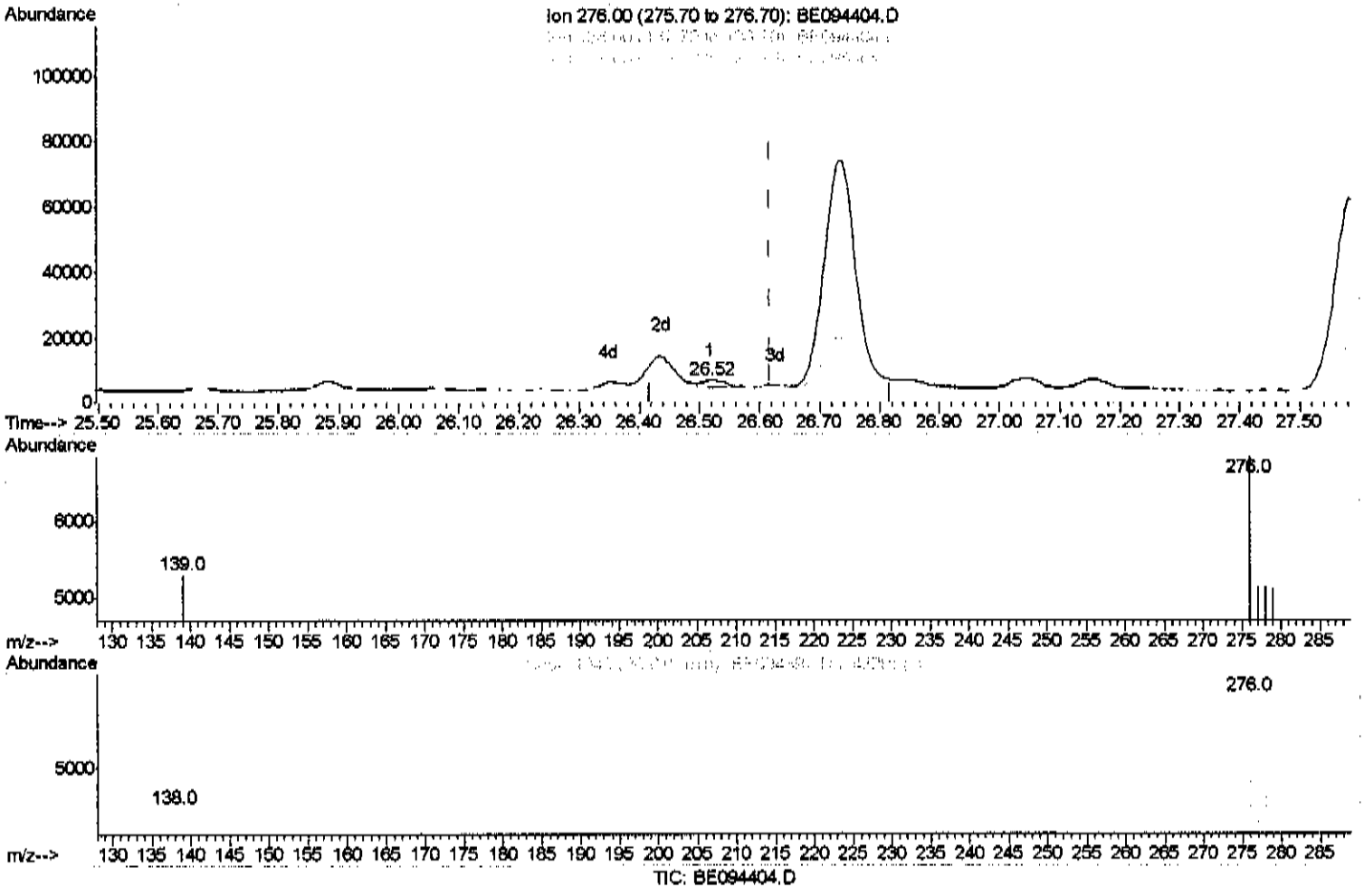


TIC: BE094404.D

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

26.518min (-0.100) 0.20ng/ul

response 6650

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	15.98#
227.00	10.00	0.00#
0.00	0.00	0.00

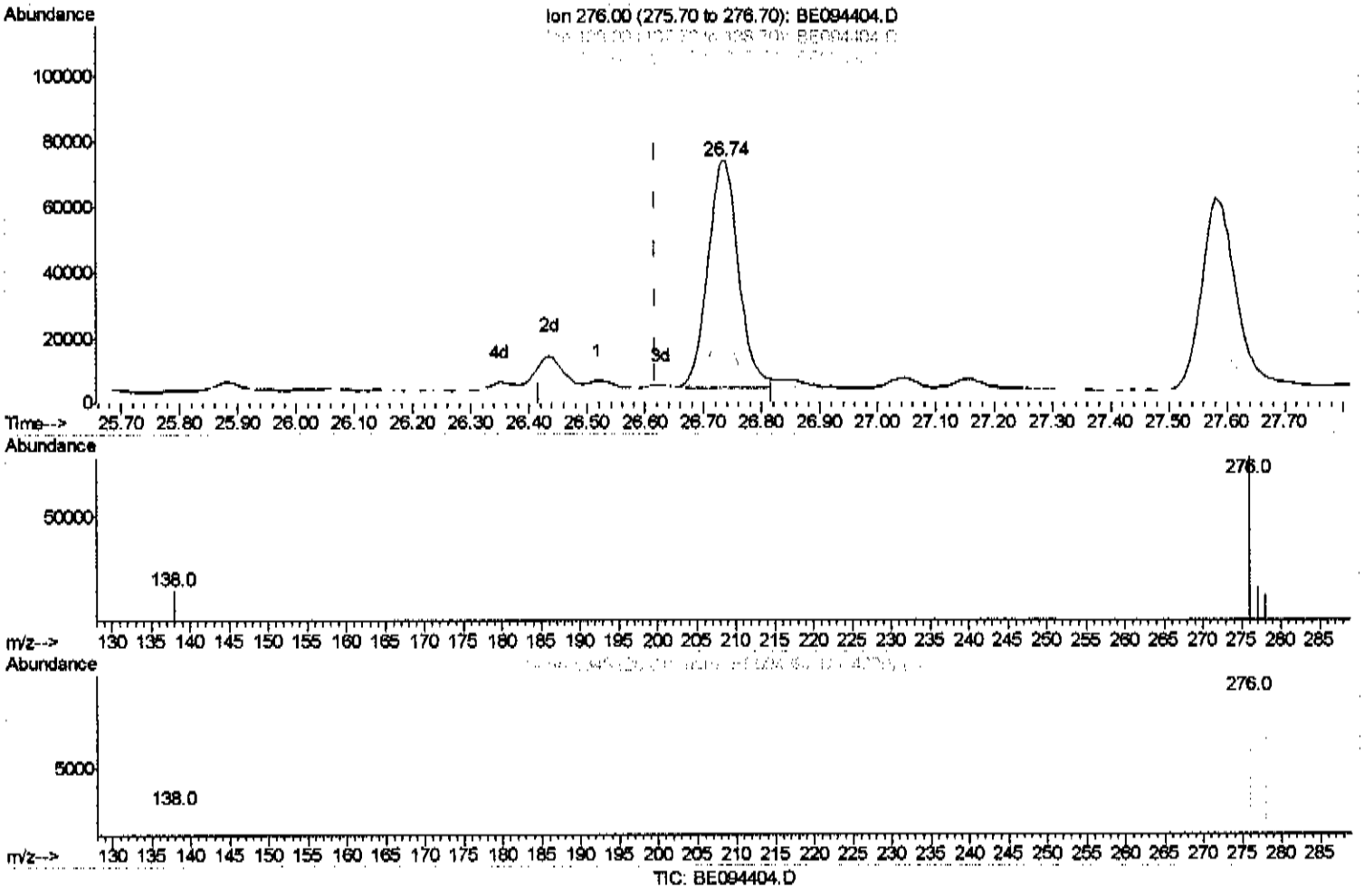
Instrument :
BNA_E
ClientSampleId :
C0AF7

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:41 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094404.D
Acq On : 15 Oct 2017 21:50
Operator : SJ/JU
Sample : I5548-17
Misc :
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Oct 16 08:17:00 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: BE094404.D

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

26.737min (+0.119) 7.84ng/ul m JU 10/16/17

response 257796

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	0.41#
227.00	10.00	0.00#
0.00	0.00	0.00

Instrument :
BNA_E
ClientSampleId :
C0AF7

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:41 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094404.D
Acq On : 15 Oct 2017 21:50
Operator : SJ/JU
Sample : I5548-17
Misc :
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Oct 16 08:17:00 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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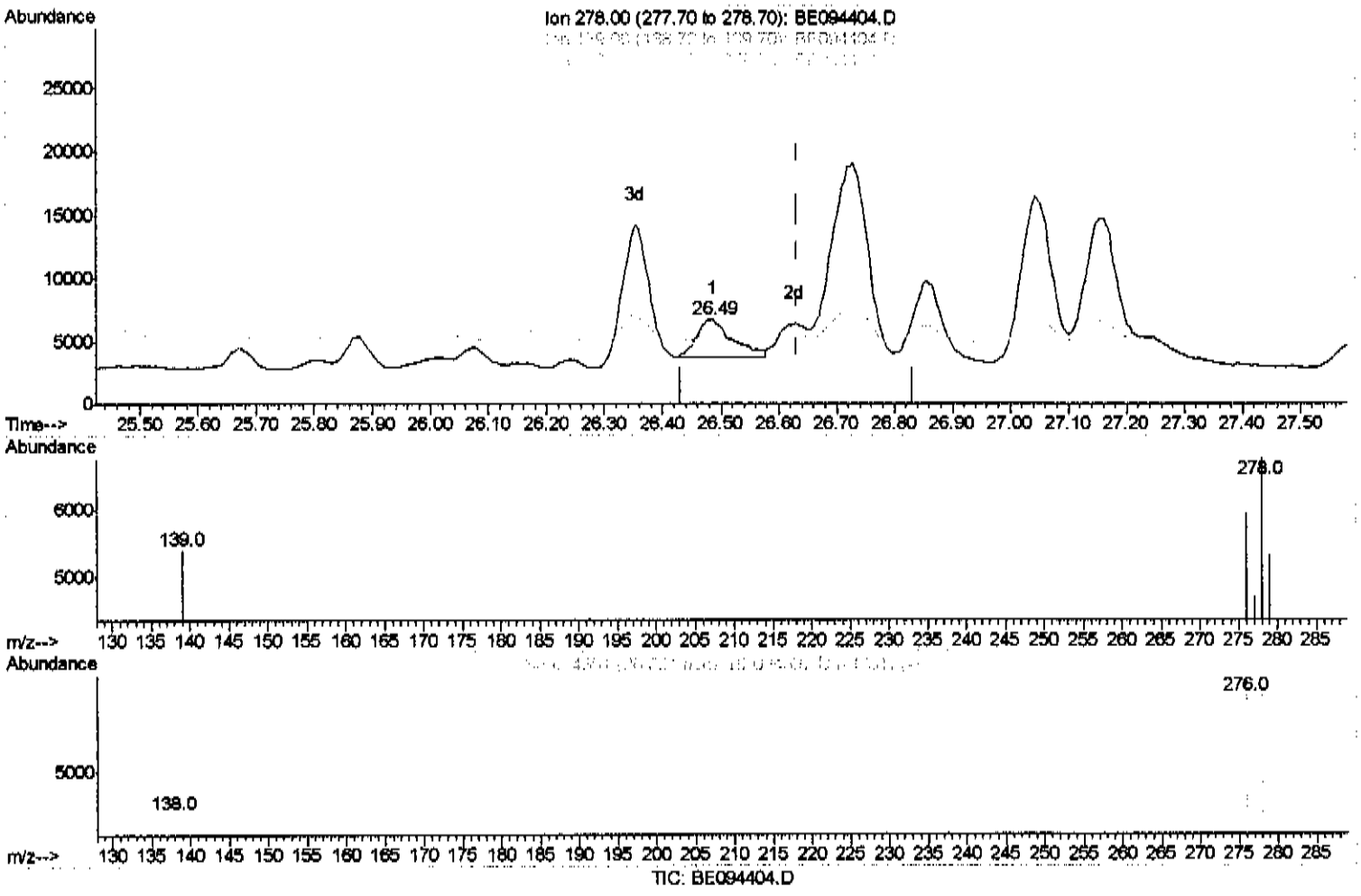

TIC: BE094404.D

(25) Dibenzo(a,h)anthracene

26.486min (-0.146) 0.47ng/ul

response 12830

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	80.00#
279.00	32.40	78.78#
0.00	0.00	0.00

Instrument :
BNA_E
ClientSampleId :
C0AF7

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:41 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
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Sample : I5548-17
Misc :
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Oct 16 08:17:00 2017
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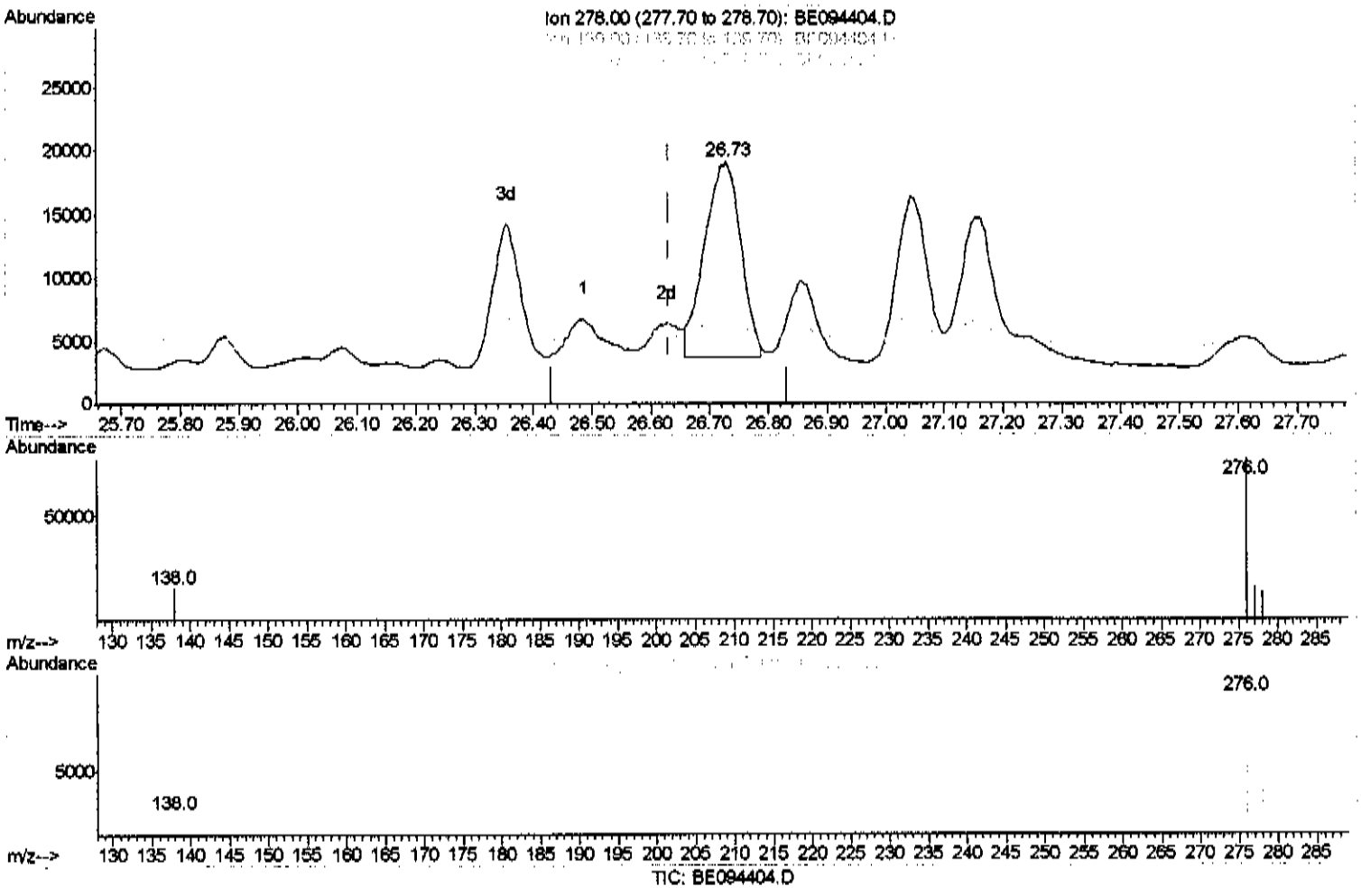

(25) Dibenzo(a,h)anthracene

26.727min (+0.096) 2.39ng/ul m JU 10/16/17

response 65819

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	40.74#
279.00	32.40	45.59#
0.00	0.00	0.00

Instrument :
BNA_E
ClientSampleId :
C0AF7

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:41 PM

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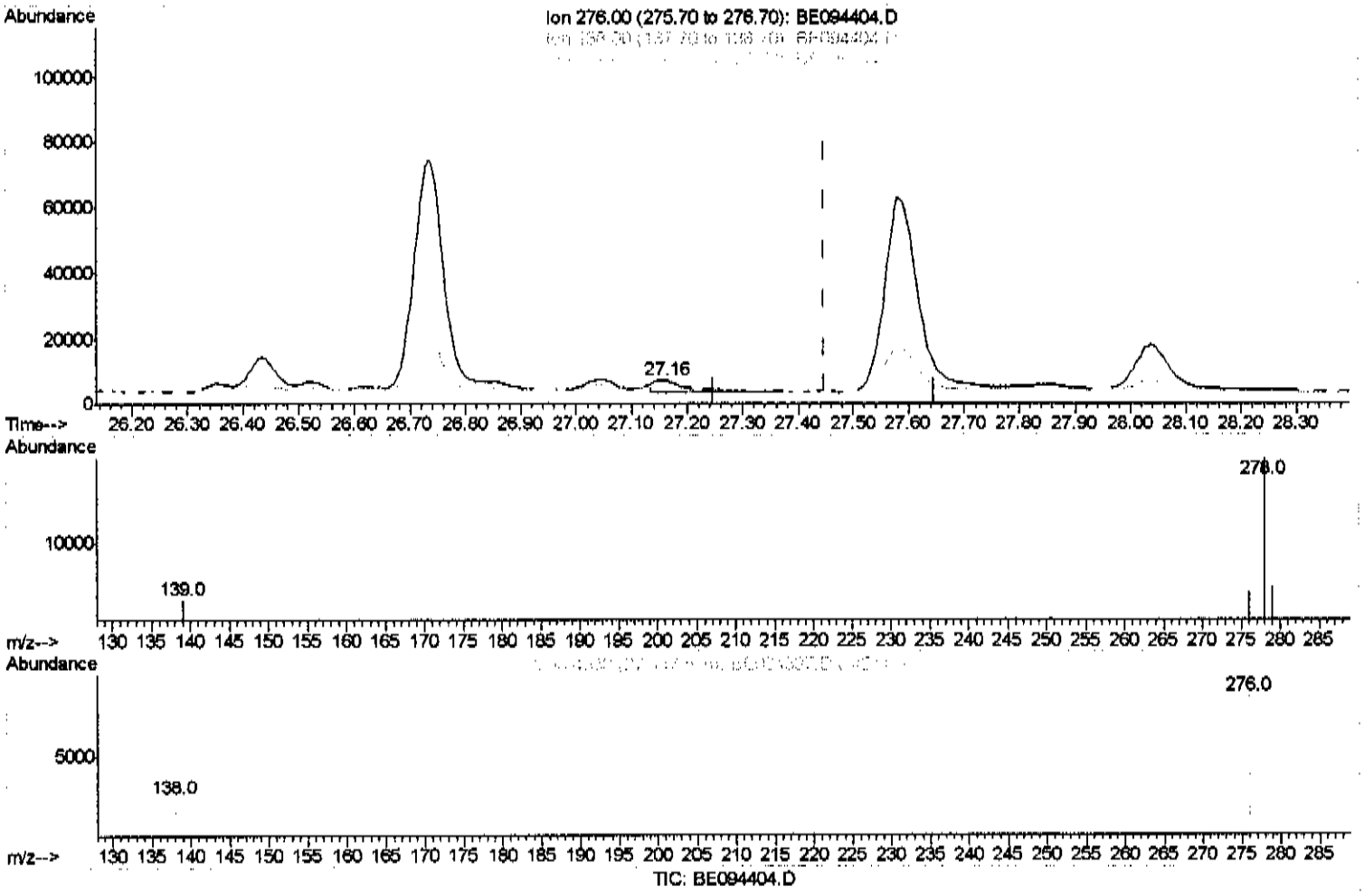

TIC: BE094404.D

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

27.160min (-0.287) 0.55ng/ul

response 15656

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	79.59#
277.00	25.60	78.44#
0.00	0.00	0.00

Instrument :
BNA_E
ClientSampleId :
C0AF7

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:41 PM

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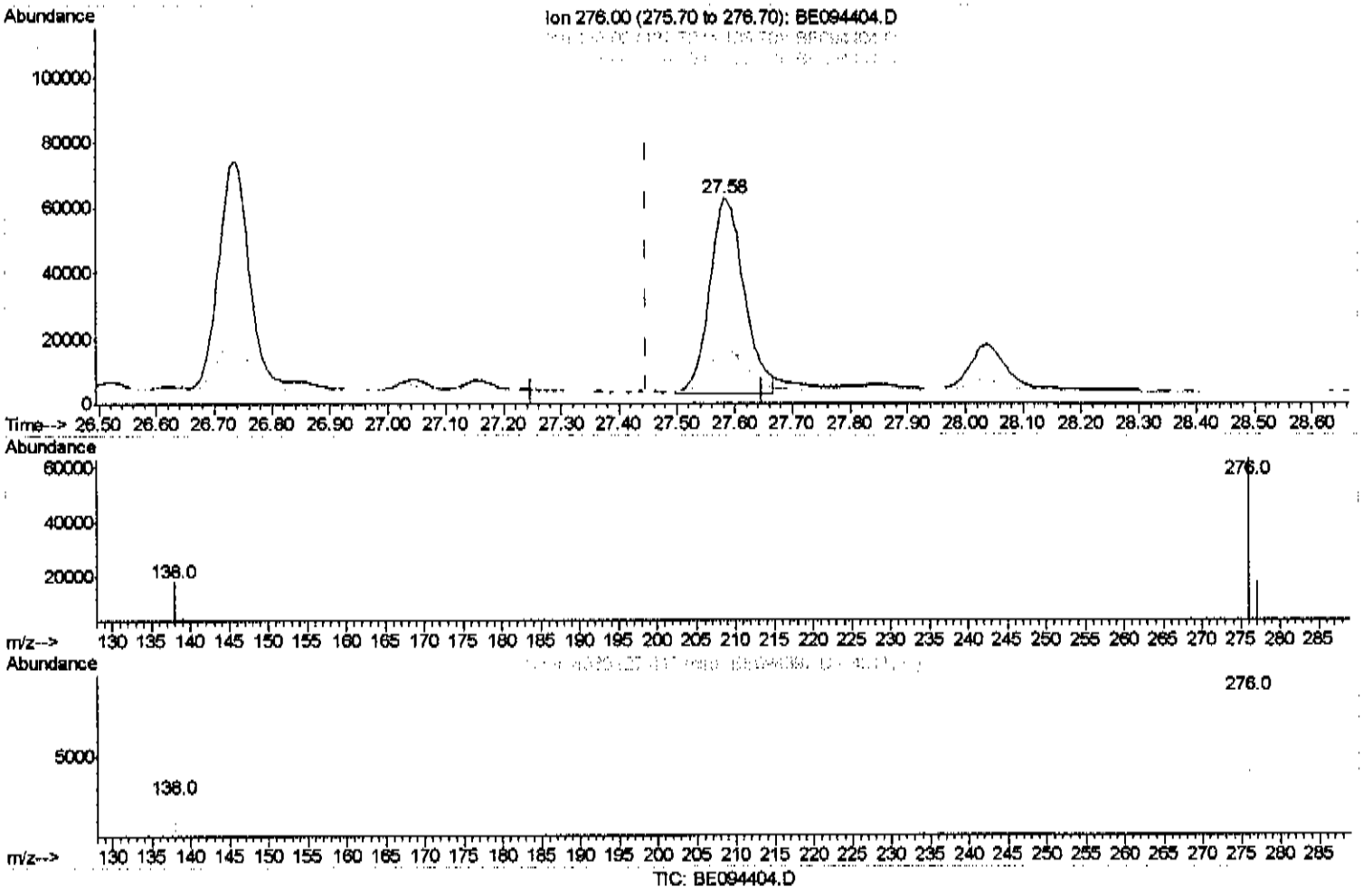

(26) Benzo(g,h,l)perylene

27.580min (+0.132) 8.76ng/ul m SJ 10/16/17

response 248364

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	28.37
277.00	25.60	28.40
0.00	0.00	0.00

Instrument : BNA_E
ClientSampleId : C0AF7

Manual Integrations APPROVED
Sohil
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2073	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	10414	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	6261	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	11891	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	10687	0.40	ng/ul	0.02
20) Perylene-d12	24.00	264	11384m	0.40	ng/ul	0.05
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	3221	0.20	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	7272	0.18	ng/ul	0.01
Target Compounds						Qvalue
3) Naphthalene	10.75	128	22873	0.897	ng/ul#	91
5) 2-Methylnaphthalene	12.36	142	5316	0.321	ng/ul	99
7) Acenaphthylene	14.25	152	35841	1.468	ng/ul	98
8) Acenaphthene	14.59	153	8226	0.409	ng/ul	97
9) Fluorene	15.58	166	15623	0.664	ng/ul	91
12) Phenanthrene	17.31	178	260207	8.374	ng/ul#	94
13) Anthracene	17.39	178	86380	2.858	ng/ul#	93
15) Fluoranthene	19.32	202	618220	15.142	ng/ul	84
17) Pyrene	19.69	202	576917	19.402	ng/ul#	83
18) Benzo(a)anthracene	21.42	228	329711	11.629	ng/ul#	89
19) Chrysene	21.48	228	340346m	10.395	ng/ul	94
21) Benzo(b)fluoranthene	23.22	252	450494	14.568	ng/ul	
22) Benzo(k)fluoranthene	23.24	252	158242m	4.427	ng/ul	
23) Benzo(a)pyrene	23.89	252	360511m	11.219	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.74	276	257796m	7.842	ng/ul	
25) Dibenzo(a,h)anthracene	26.73	278	65819m	2.387	ng/ul	
26) Benzo(g,h,i)perylene	27.58	276	248364m	8.759	ng/ul	

SJ 10/16/17

SJ 10/16/17

SJ 10/16/17

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