

Quantitation Report (QT Reviewed)

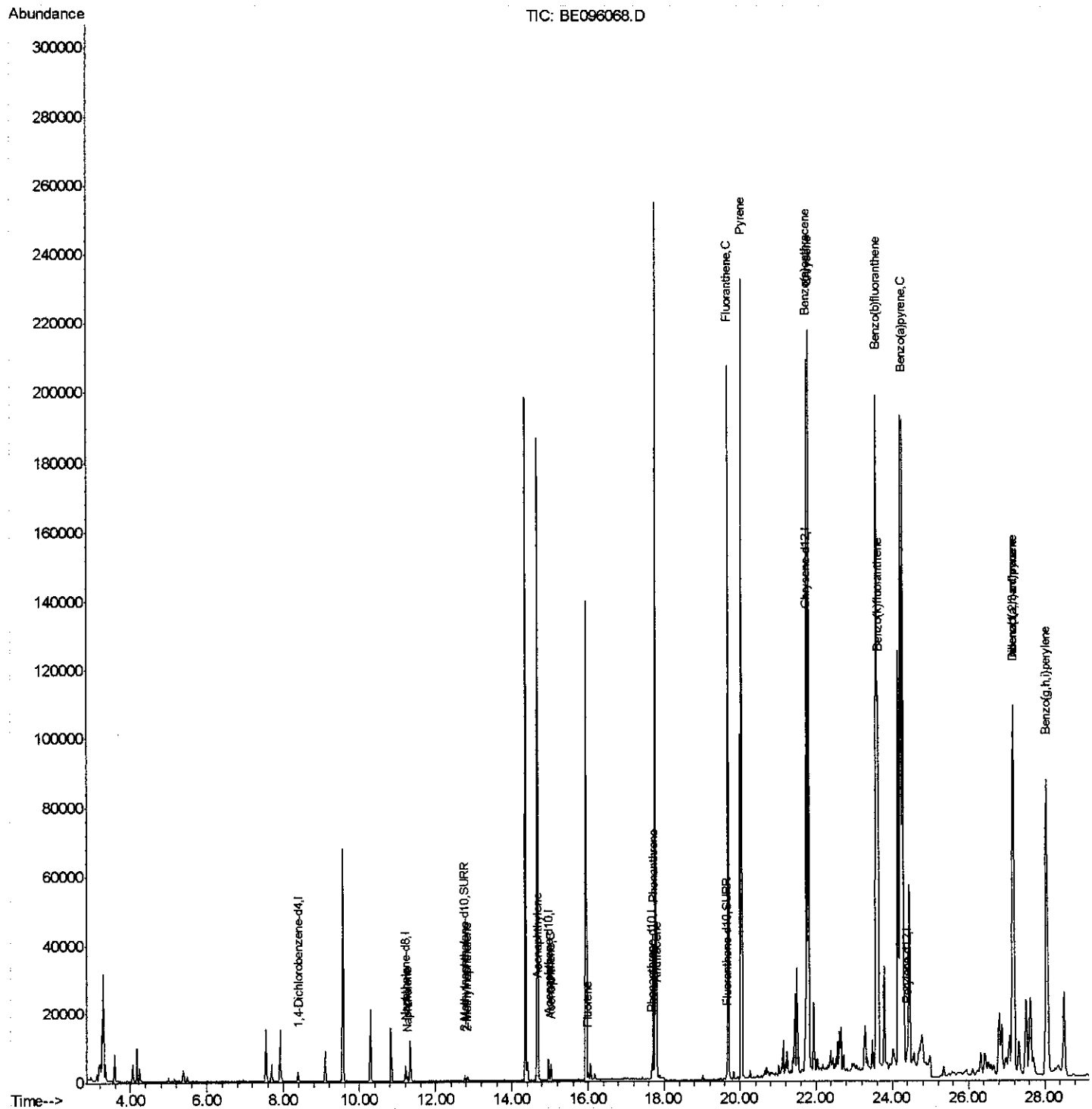
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096068.D
 Acq On : 21 Apr 2018 7:46
 Operator : SJ/JU
 Sample : J2434-18
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AD3

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:44:27 PM

Quant Time: Apr 23 03:02:46 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 01:07:45 2018
 Response via : Initial Calibration



Quantitation Report (Qedit)

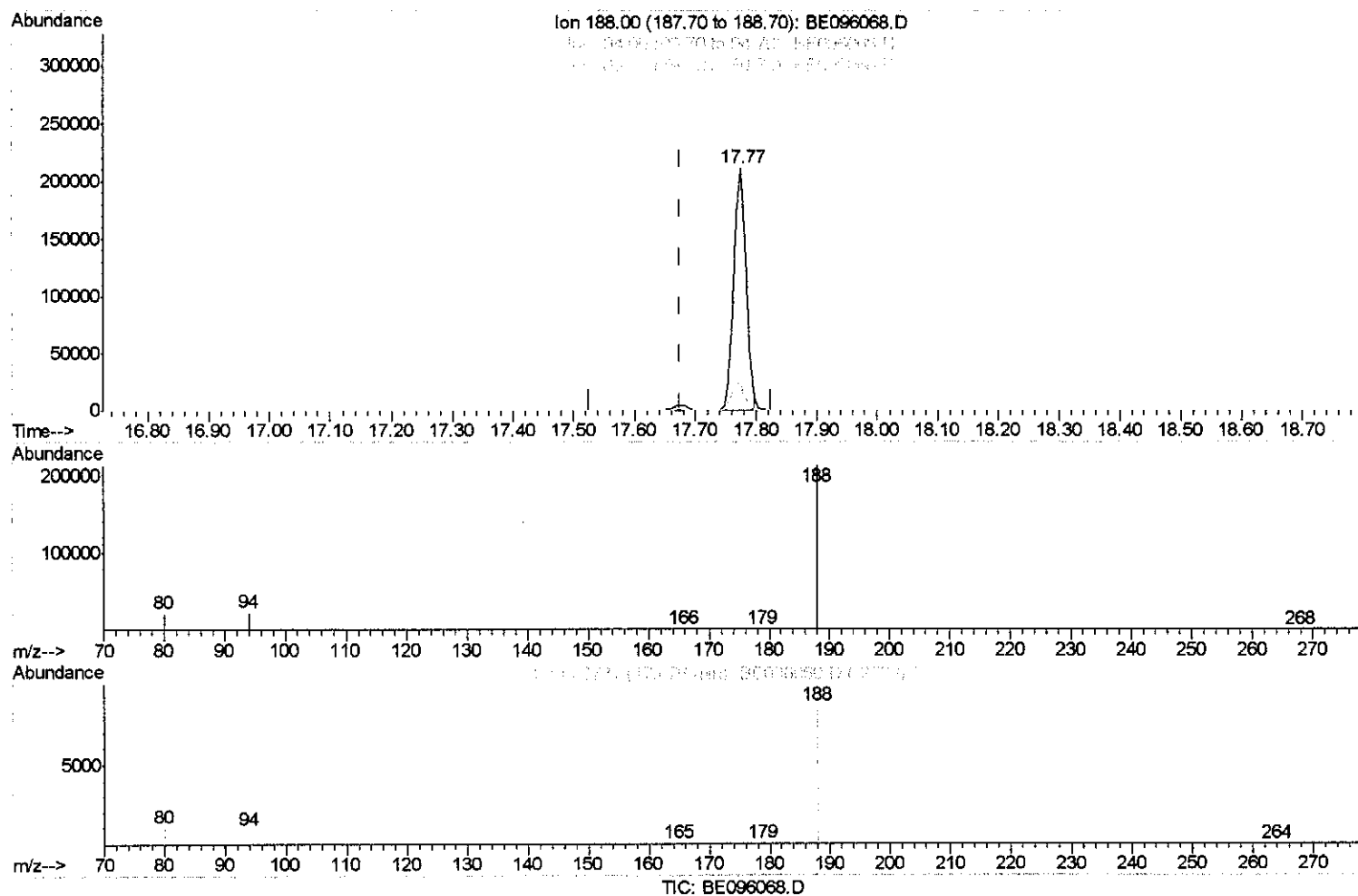
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
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Manual Integrations
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Sohil
 4/23/2018 6:44:27 PM

Quant Time: Apr 23 01:09:45 2018
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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(10) Phenanthrene-d10 (I)

17.775min (+0.099) 0.40ng/ul

response 290290

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	10.33
80.00	11.80	9.68
0.00	0.00	0.00

Quantitation Report (Qedit)

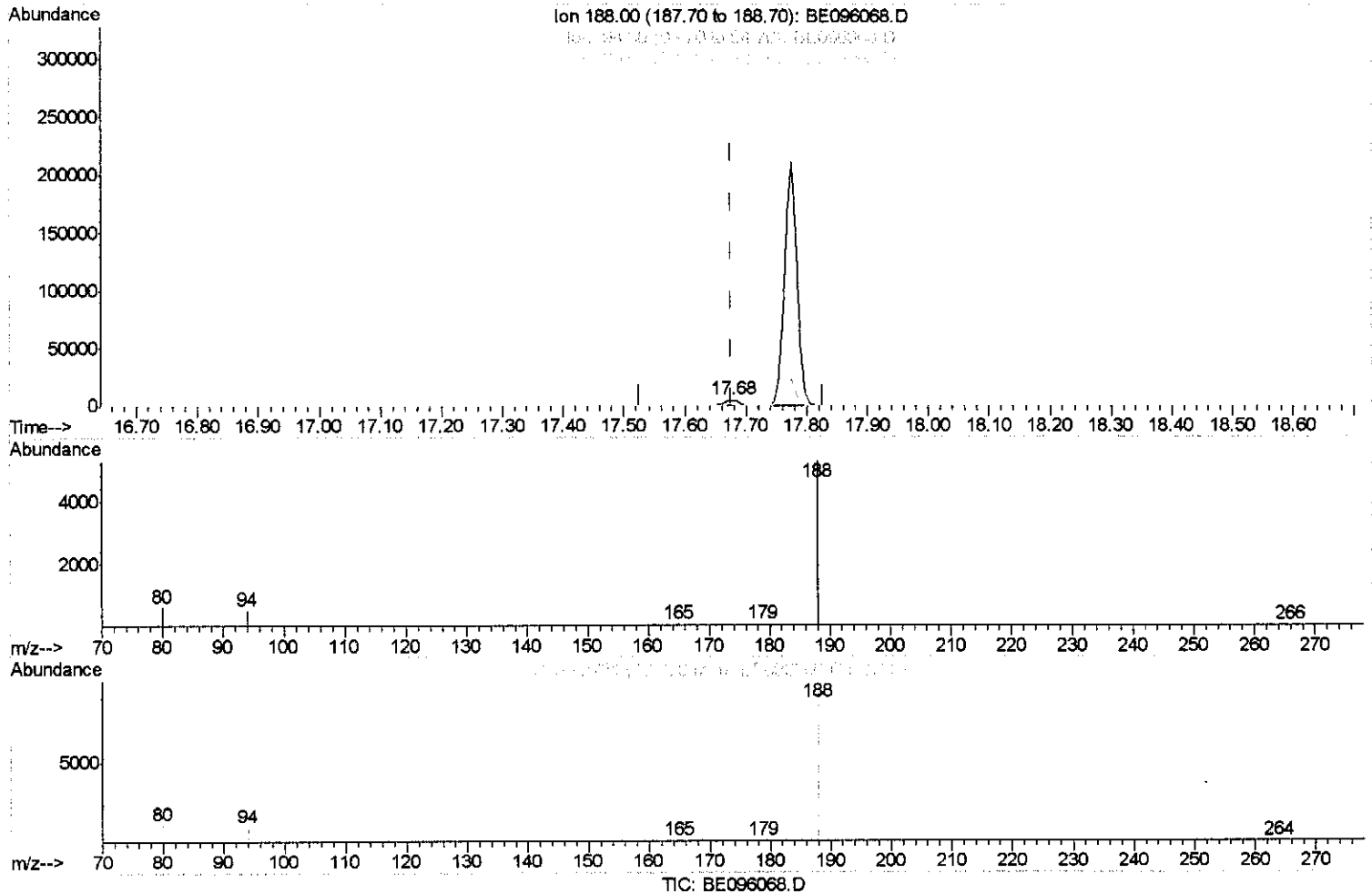
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
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(10) Phenanthrene-d10 (I)

17.676min (+0.000) 0.40ng/ul m > SJ

4/24/18

response 7496

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	10.39
80.00	11.80	12.31
0.00	0.00	0.00

Quantitation Report (Qedit)

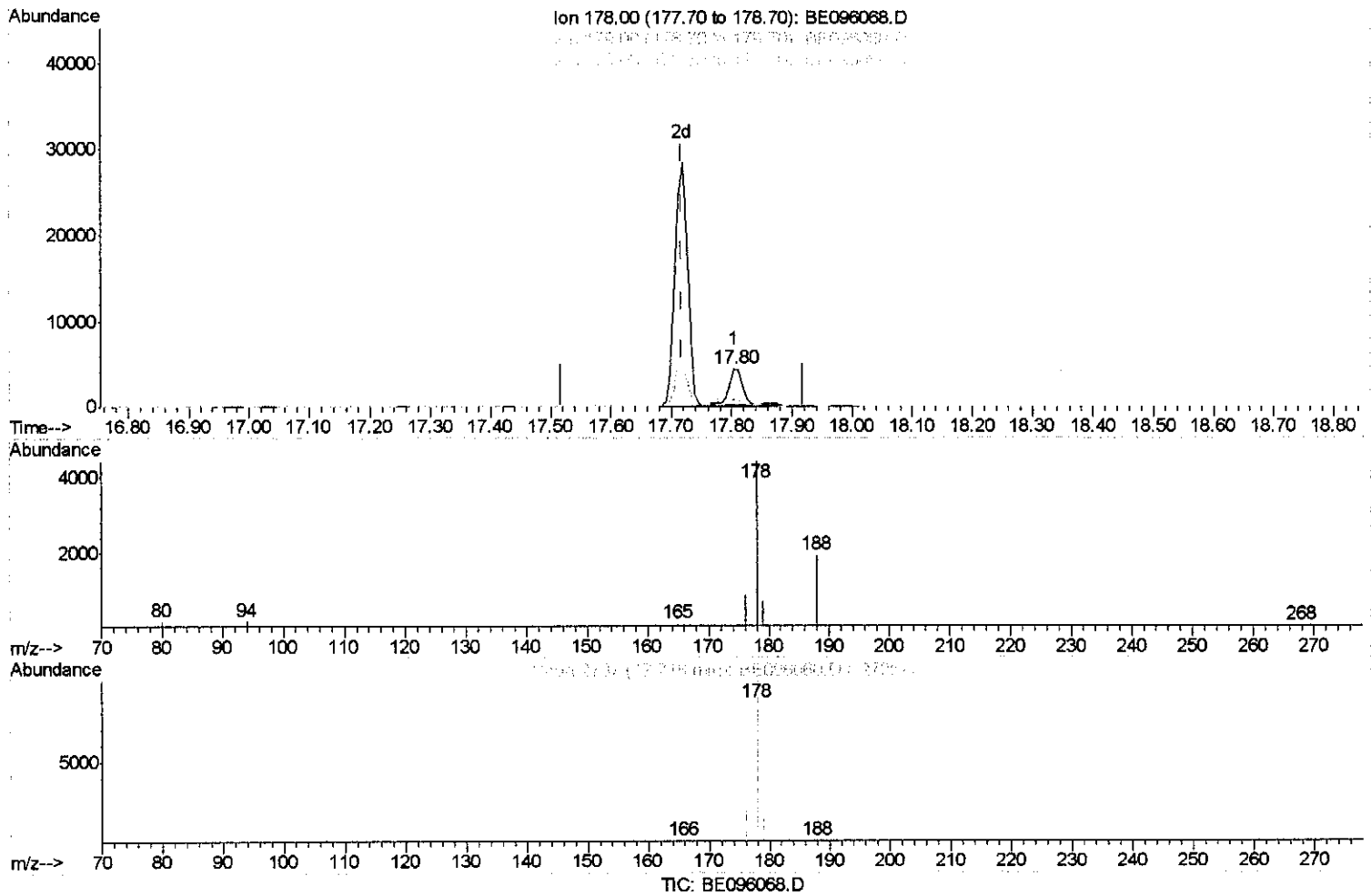
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
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Sohil
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Quant Time: Apr 23 02:57:36 2018
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(12) Phenanthrene

17.803min (+0.085) 0.29ng/ul

response 6439

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	16.32#
176.00	17.00	19.68
0.00	0.00	0.00

Quantitation Report (Qedit)

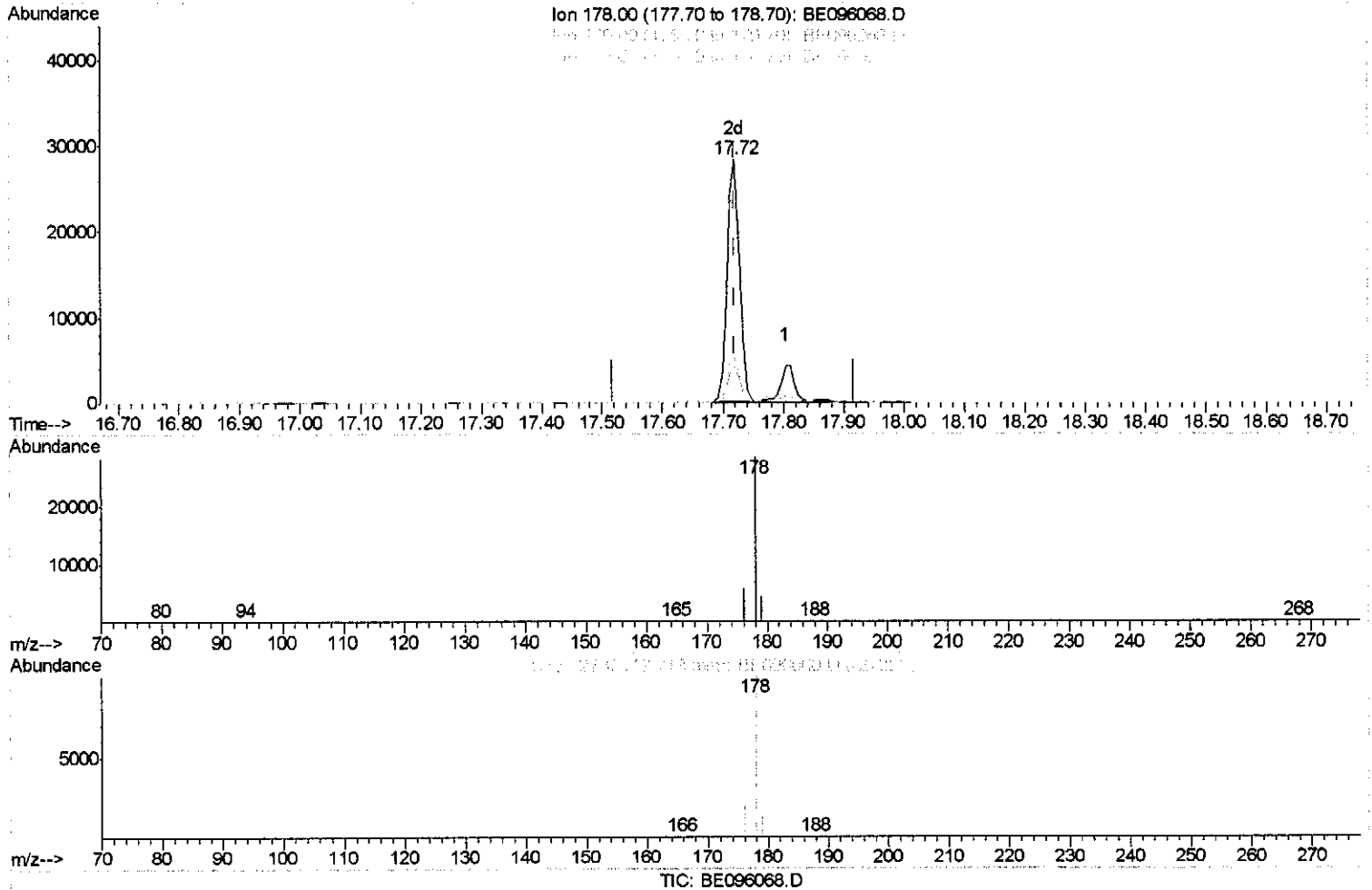
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(12) Phenanthrene

17.718min (+0.000) 1.85ng/ul m > SJ 4/24/18

response 40829

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	15.51#
176.00	17.00	19.85
0.00	0.00	0.00

Quantitation Report (Qedit)

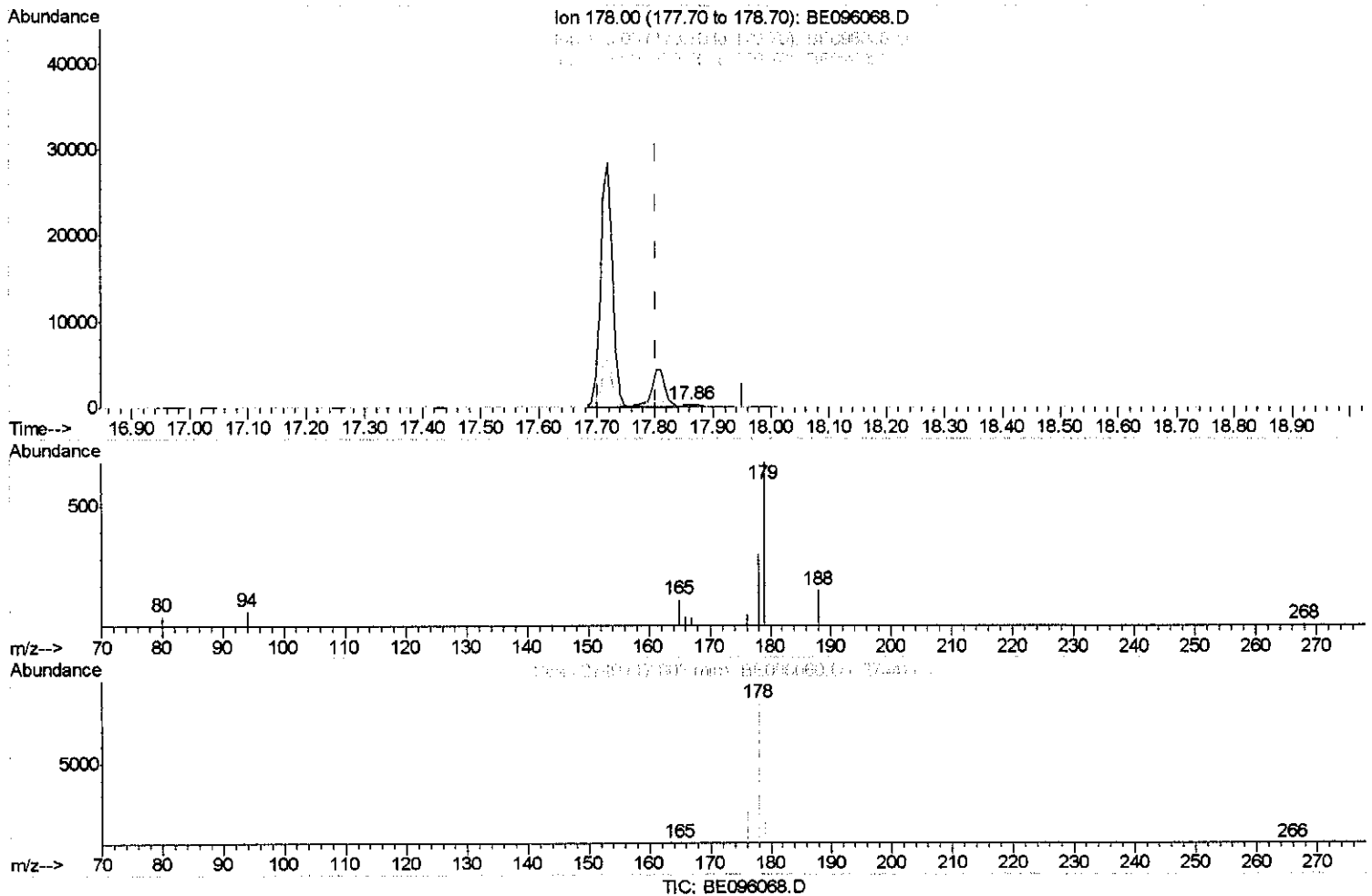
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
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(13) Anthracene

17.859min (+0.057) 0.07ng/ui

response 1471

Ion	Exp%	Act%
178.00	100	100
179.00	22.60	209.21#
176.00	18.40	28.89#
0.00	0.00	0.00

Quantitation Report (Qedit)

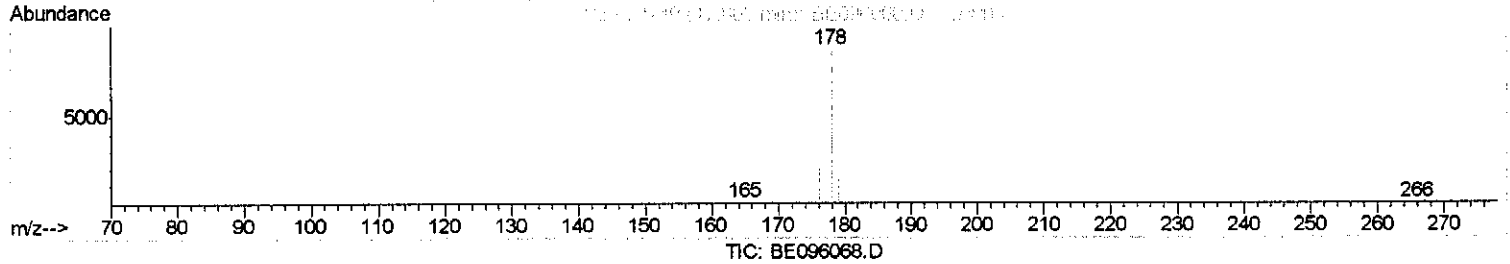
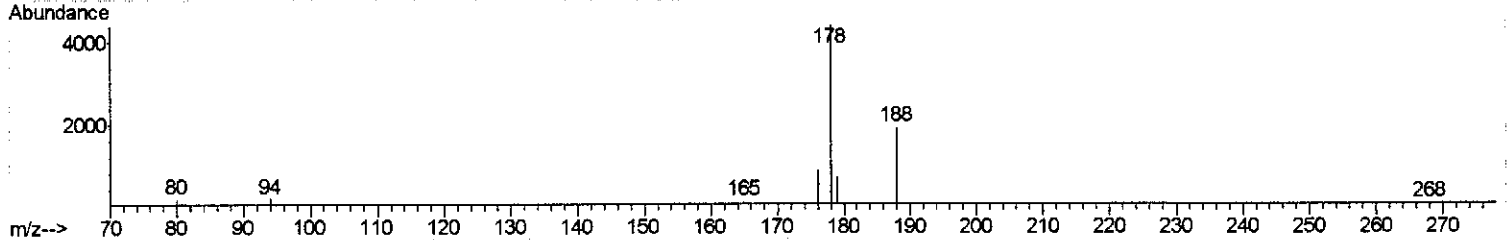
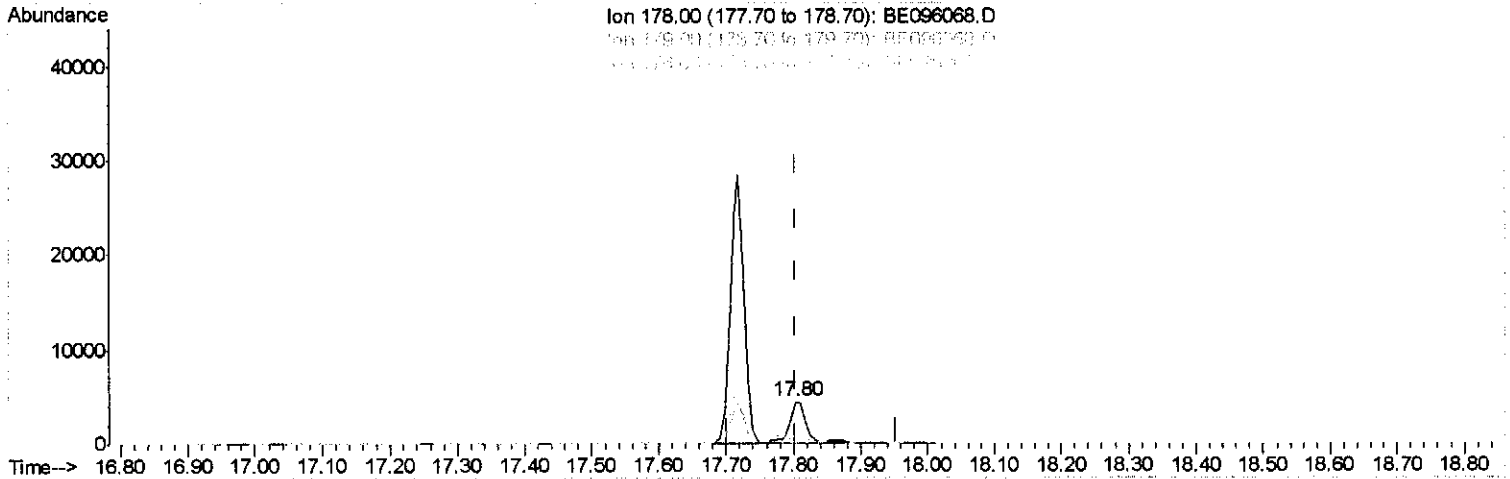
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(13) Anthracene

17.803min (+0.000) 0.29ng/ul m> SJ 4/24/18

response 6477

Ion	Exp%	Act%
178.00	100	100
179.00	22.60	16.32#
176.00	18.40	19.68
0.00	0.00	0.00

Quantitation Report (Qedit)

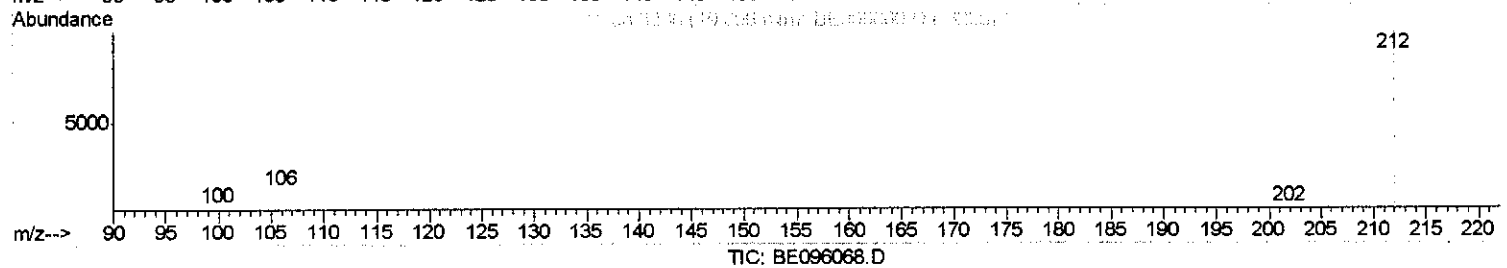
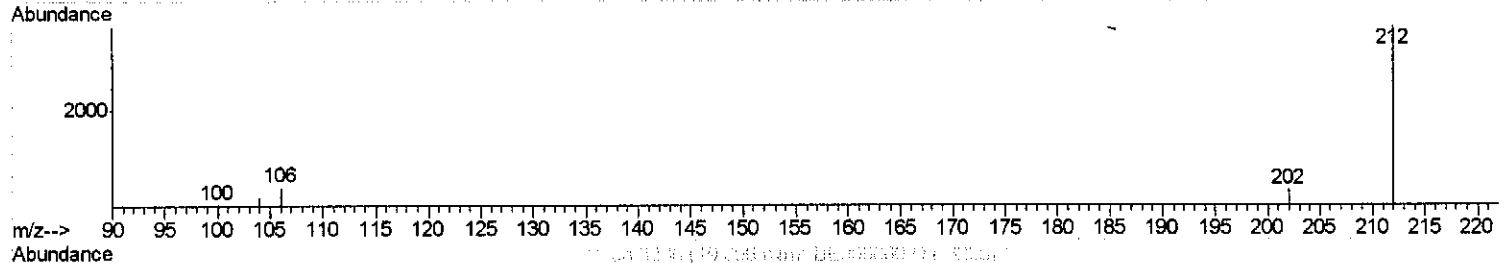
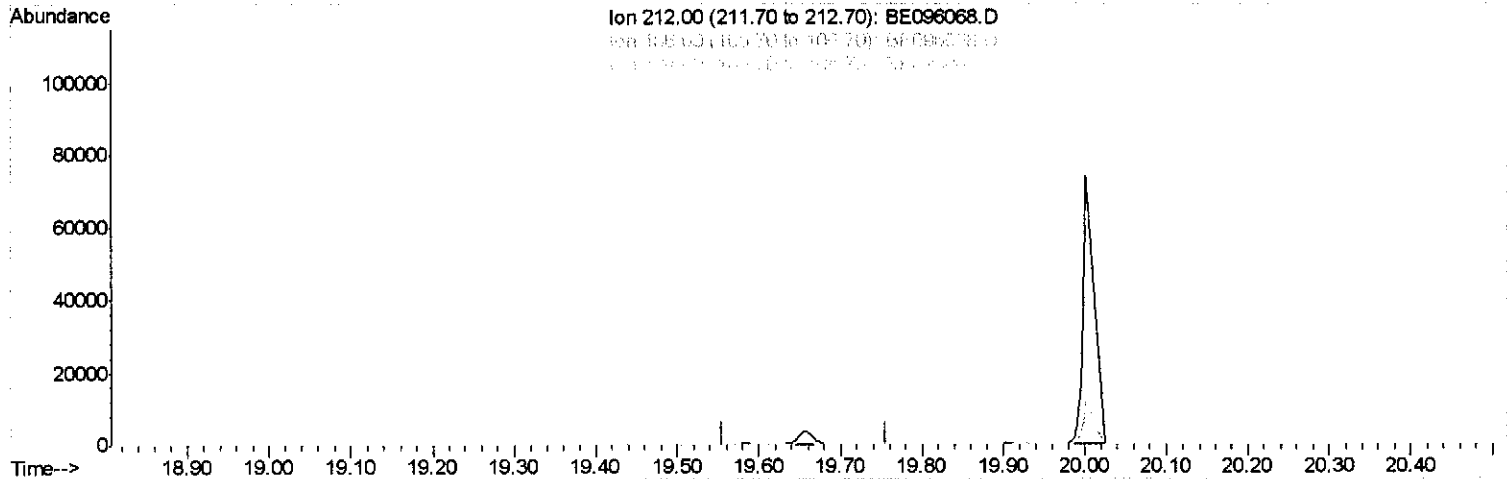
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096068.D
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(14) Fluoranthene-d10 (SURR)

19.656min (-19.656) 0.00ng/ul

response 0

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

Quantitation Report (Qedit)

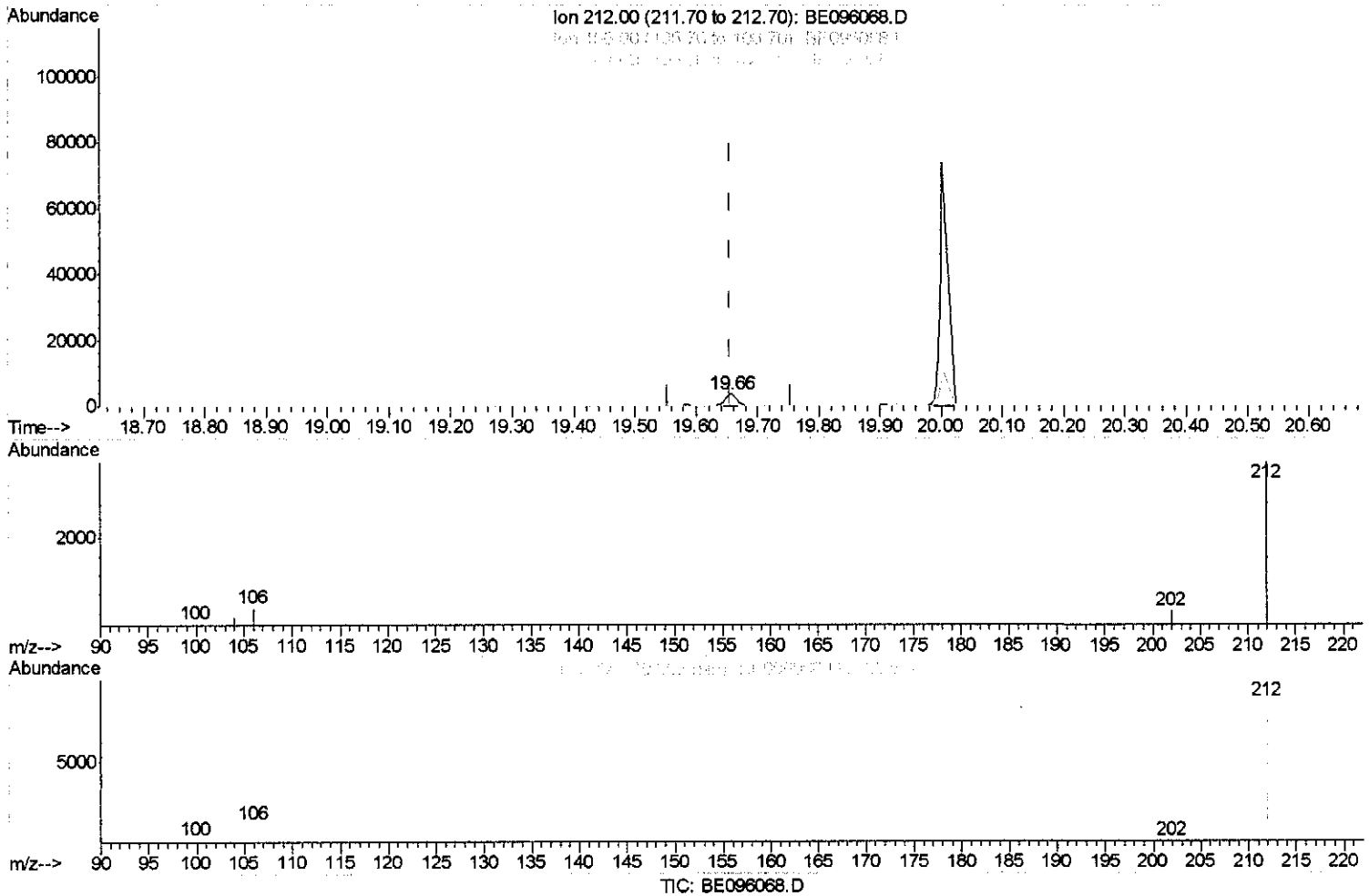
Instrument :
BNA_E
ClientSampleId :
C0AD3

Manual Integrations
APPROVED

Sohil
4/23/2018 6:44:27 PM

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
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Sample : J2434-18
Misc :
ALS Vial : 25 Sample Multiplier: 1

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(14) Fluoranthene-d10 (SURR)

19.656min (-0.000) 0.15ng/ul m) SJ 4/24/18

response 4720

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

Quantitation Report (Qedit)

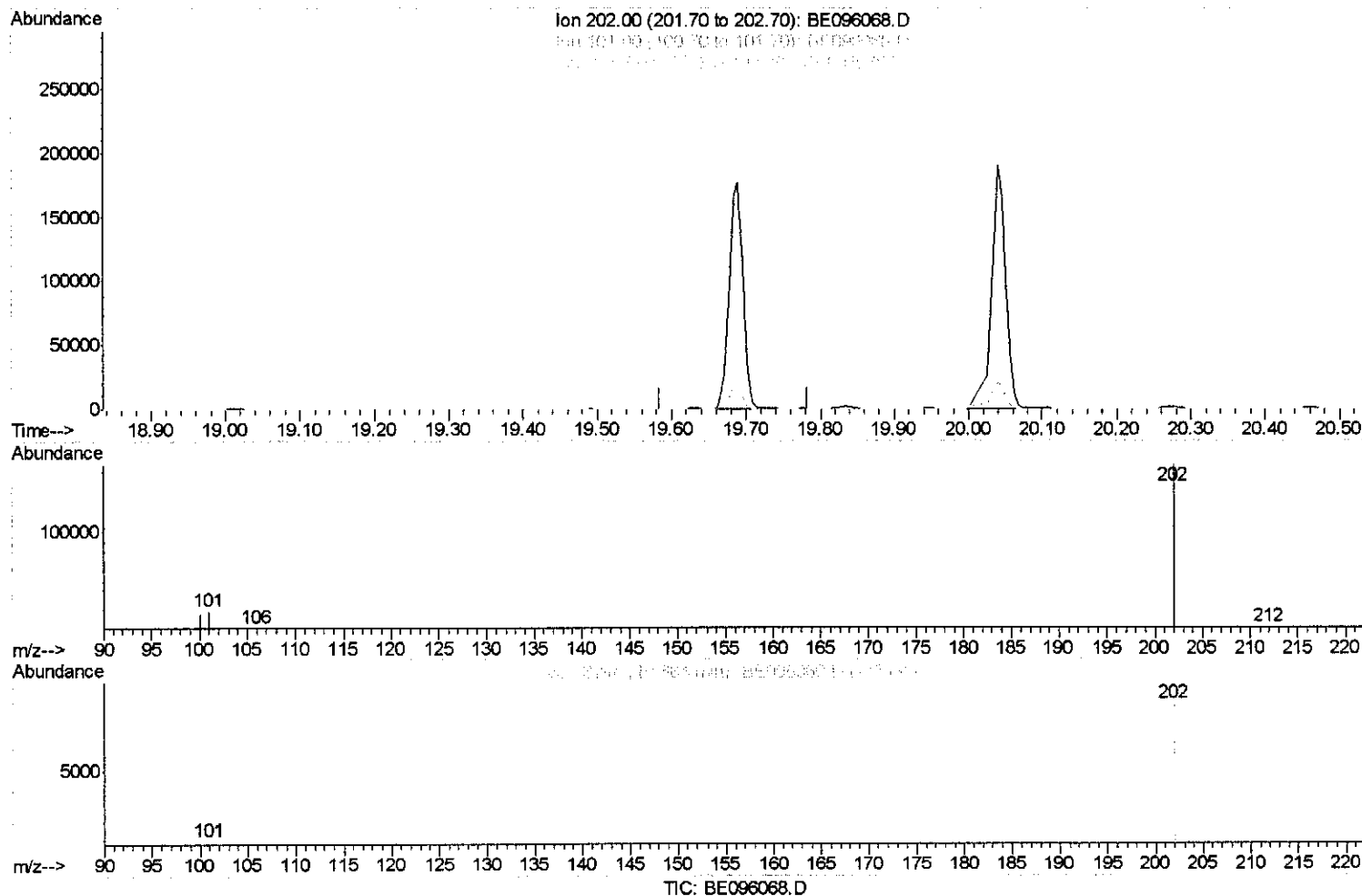
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096068.D
 Acq On : 21 Apr 2018 7:46
 Operator : SJ/JU
 Sample : J2434-18
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 C0AD3

Manual Integrations
 APPROVED

Sohil
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(15) Fluoranthene (C)

19.684min (-19.684) 0.00ng/ul

response 0

Ion	Exp%	Act%
202.00	100	0.00
101.00	10.30	0.00
100.00	19.50	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

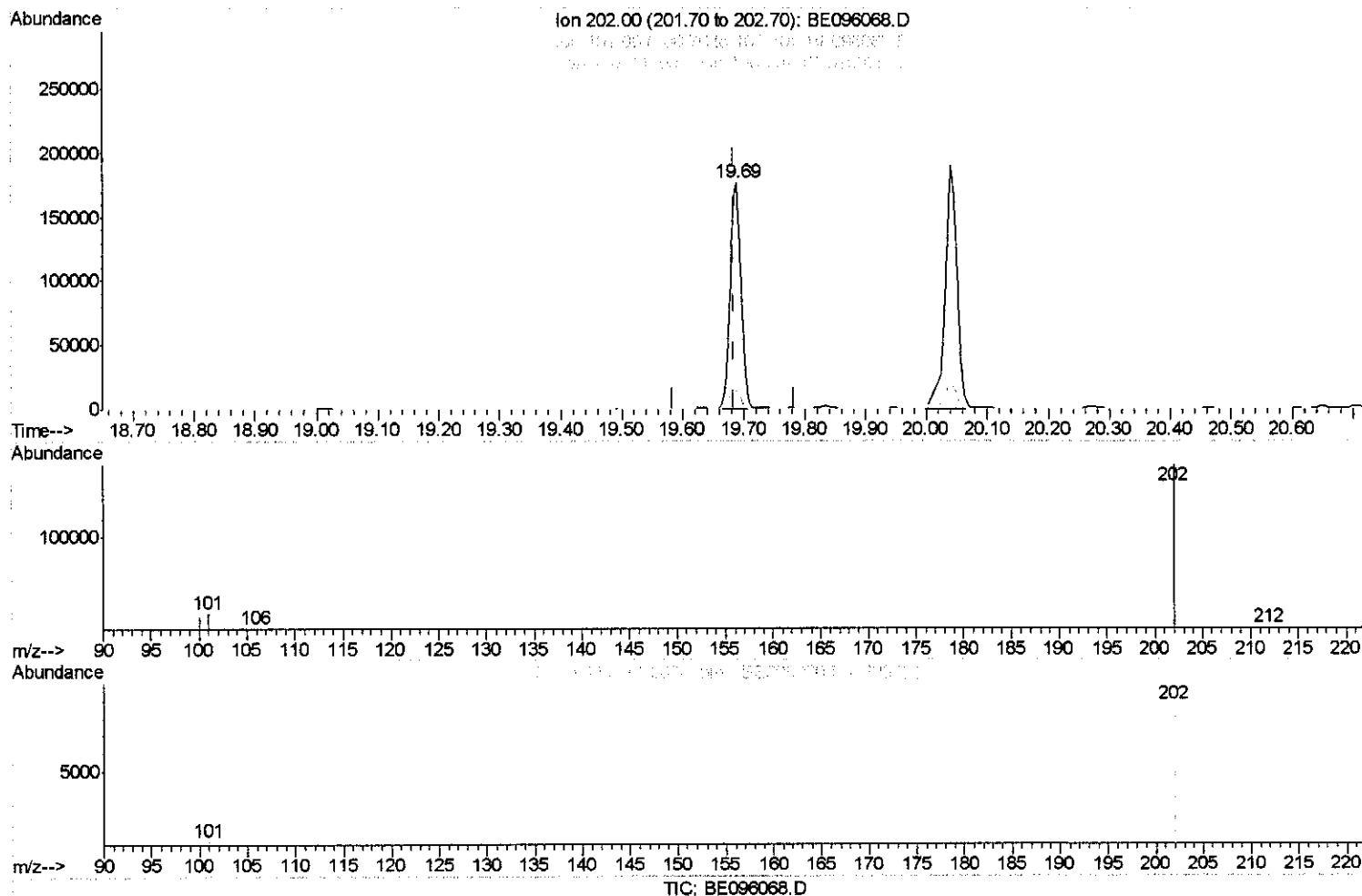
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096068.D
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 Operator : SJ/JU
 Sample : J2434-18
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
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 C0AD3

Manual Integrations
 APPROVED

Sohil
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(15) Fluoranthene (C)

19.688min (+0.003) 7.57ng/ul m) SJ 4/24/18

response 227502

Ion	Exp%	Act%
202.00	100	100
101.00	10.30	9.48
100.00	19.50	7.67
0.00	0.00	0.00

Quantitation Report (Qedit)

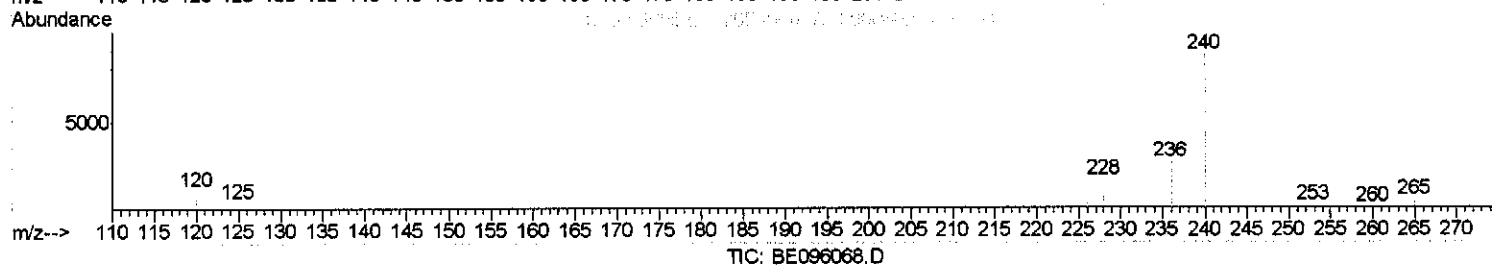
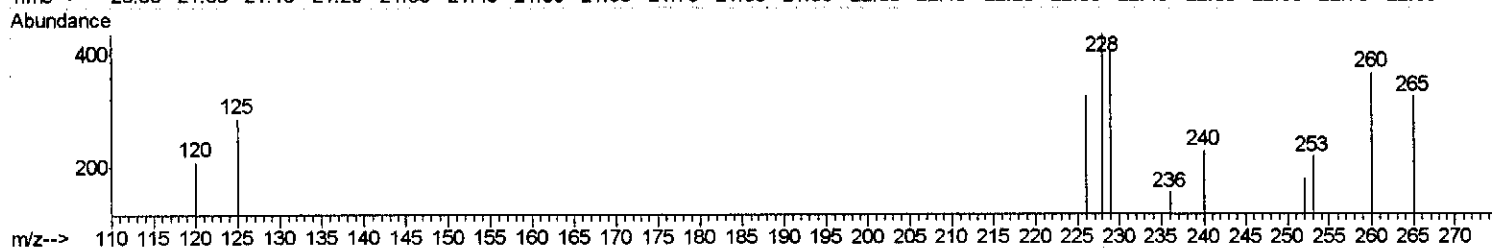
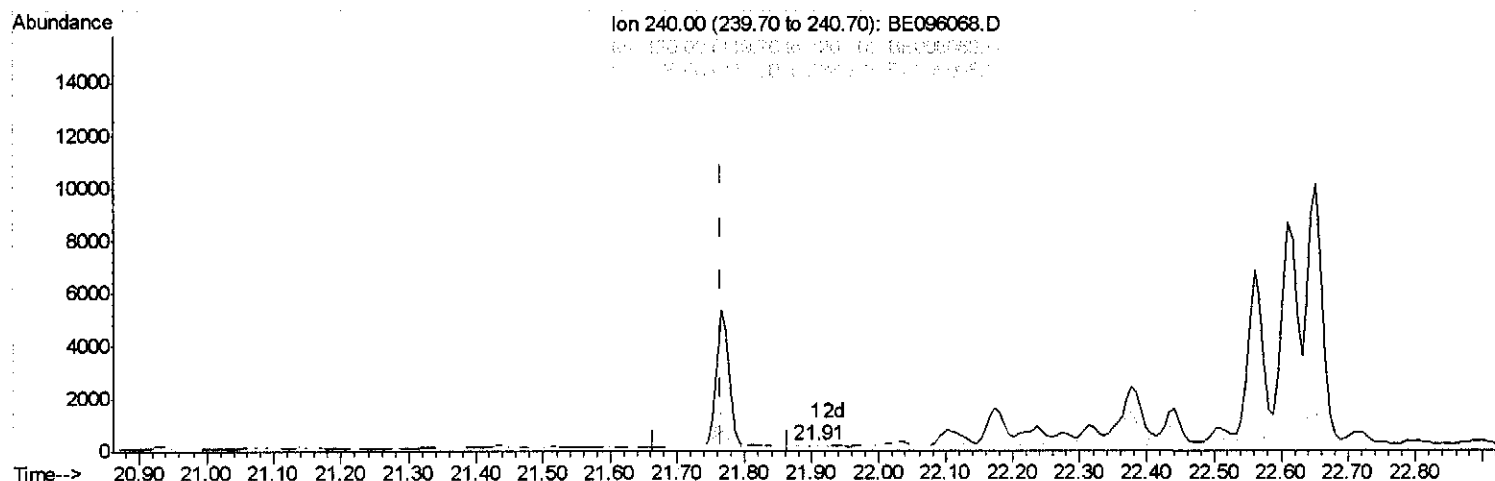
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
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(16) Chrysene-d12 (I)

21.906min (+0.141) 0.40ng/ul

response 166

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	91.67#
236.00	34.90	67.11#
0.00	0.00	0.00

Quantitation Report (Qedit)

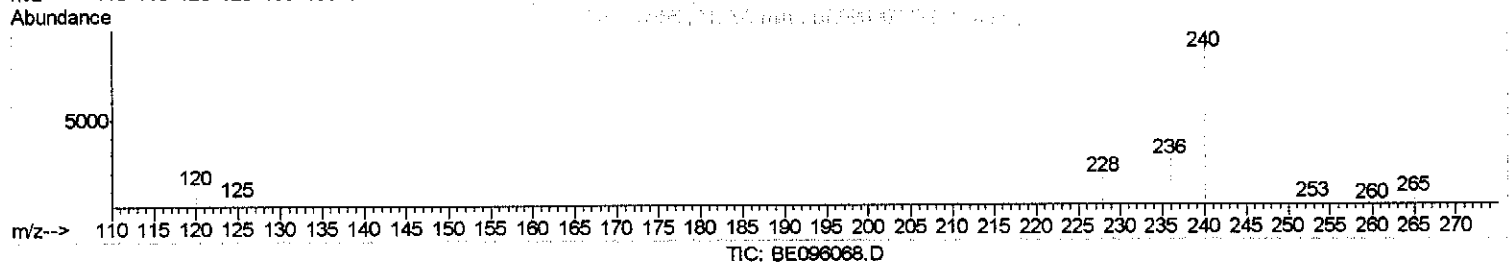
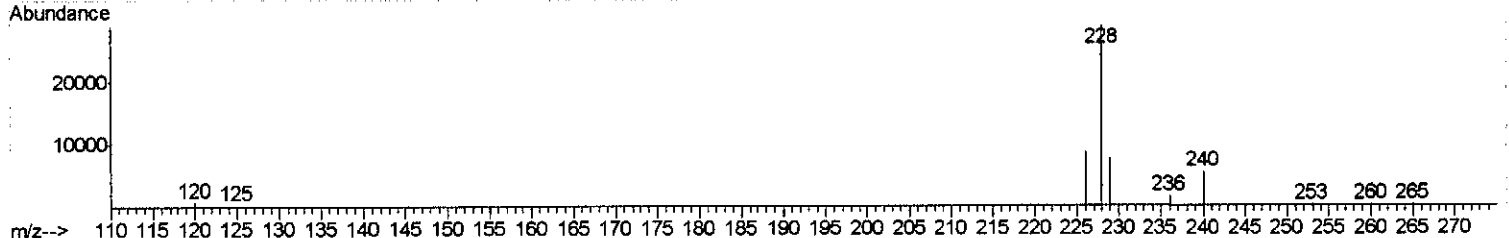
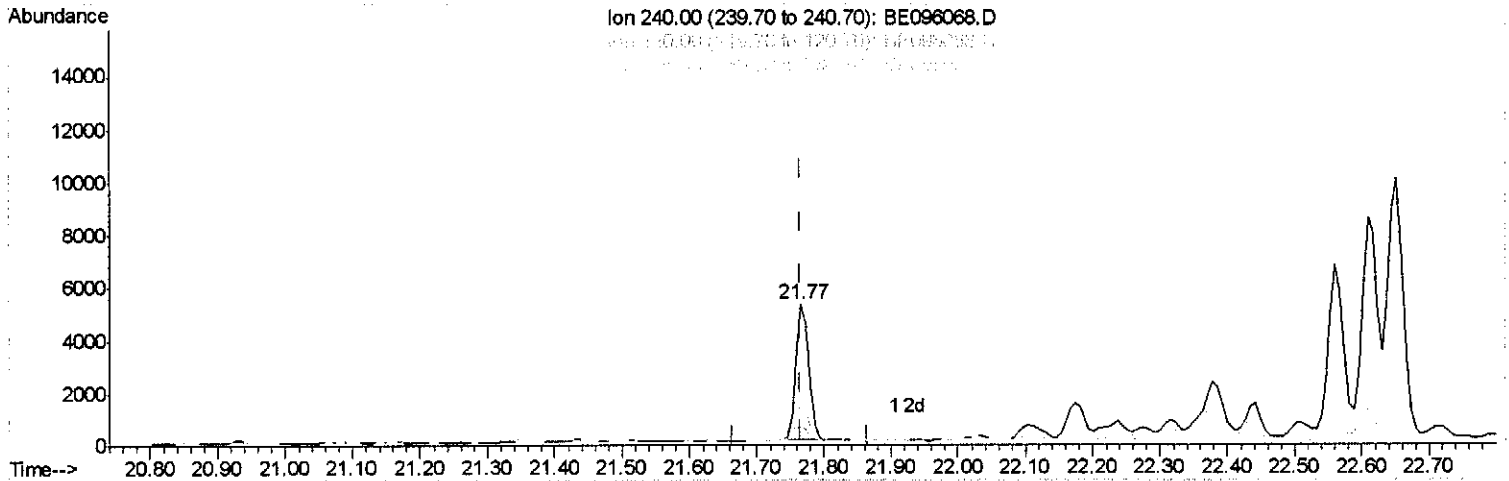
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Manual Integrations
 APPROVED

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(16) Chrysene-d12 (I)

21.766min (+0.000) 0.40ng/ul m > SJ 4/24/18

response 7093

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	14.87#
236.00	34.90	29.61
0.00	0.00	0.00

Quantitation Report (Qedit)

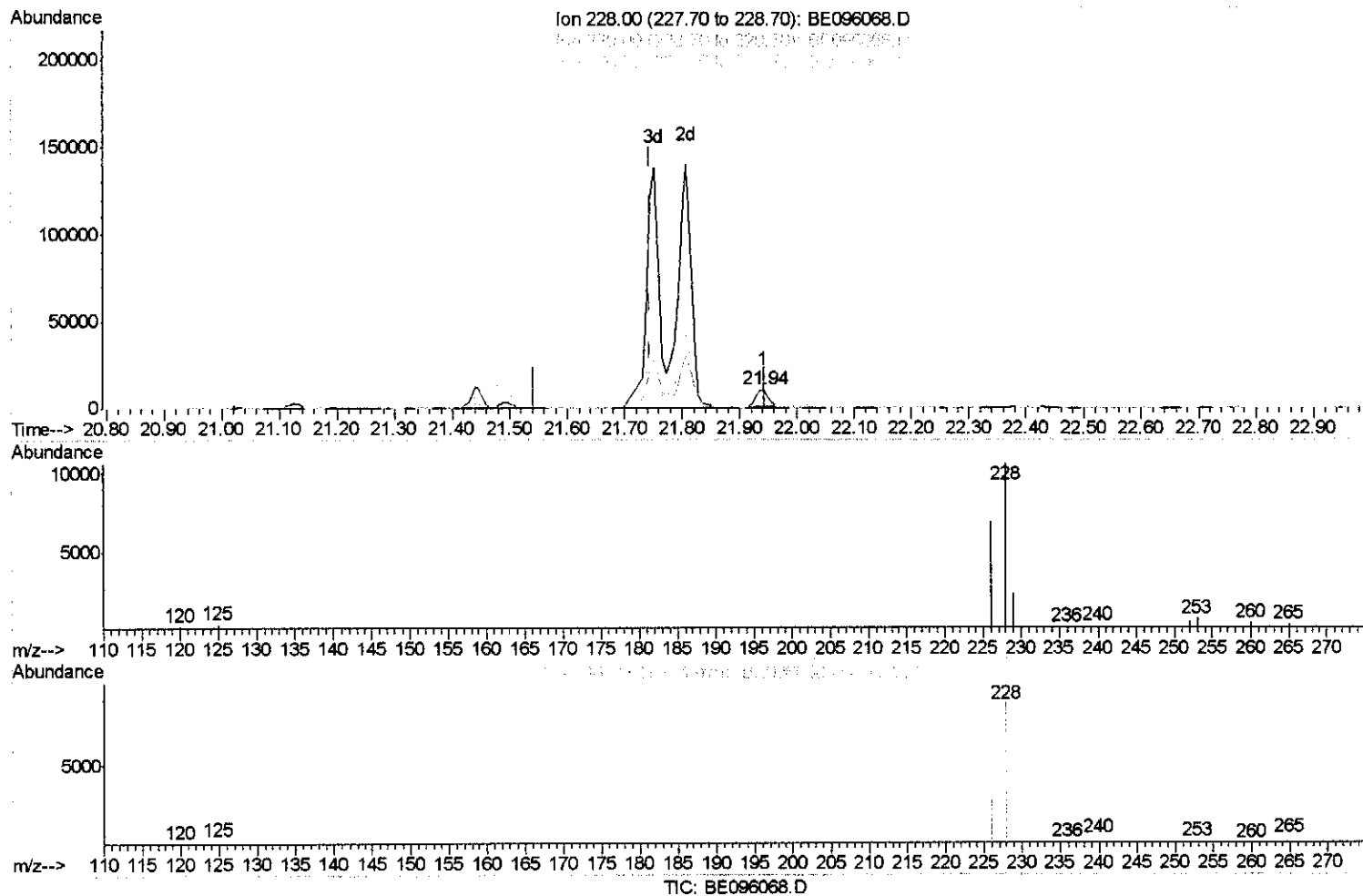
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(18) Benzo(a)anthracene

21.941min (+0.197) 0.56ng/ui

response 16022

Ion	Exp%	Act%
228.00	100	100
229.00	28.50	22.15#
226.00	21.30	65.49#
0.00	0.00	0.00

Quantitation Report (Qedit)

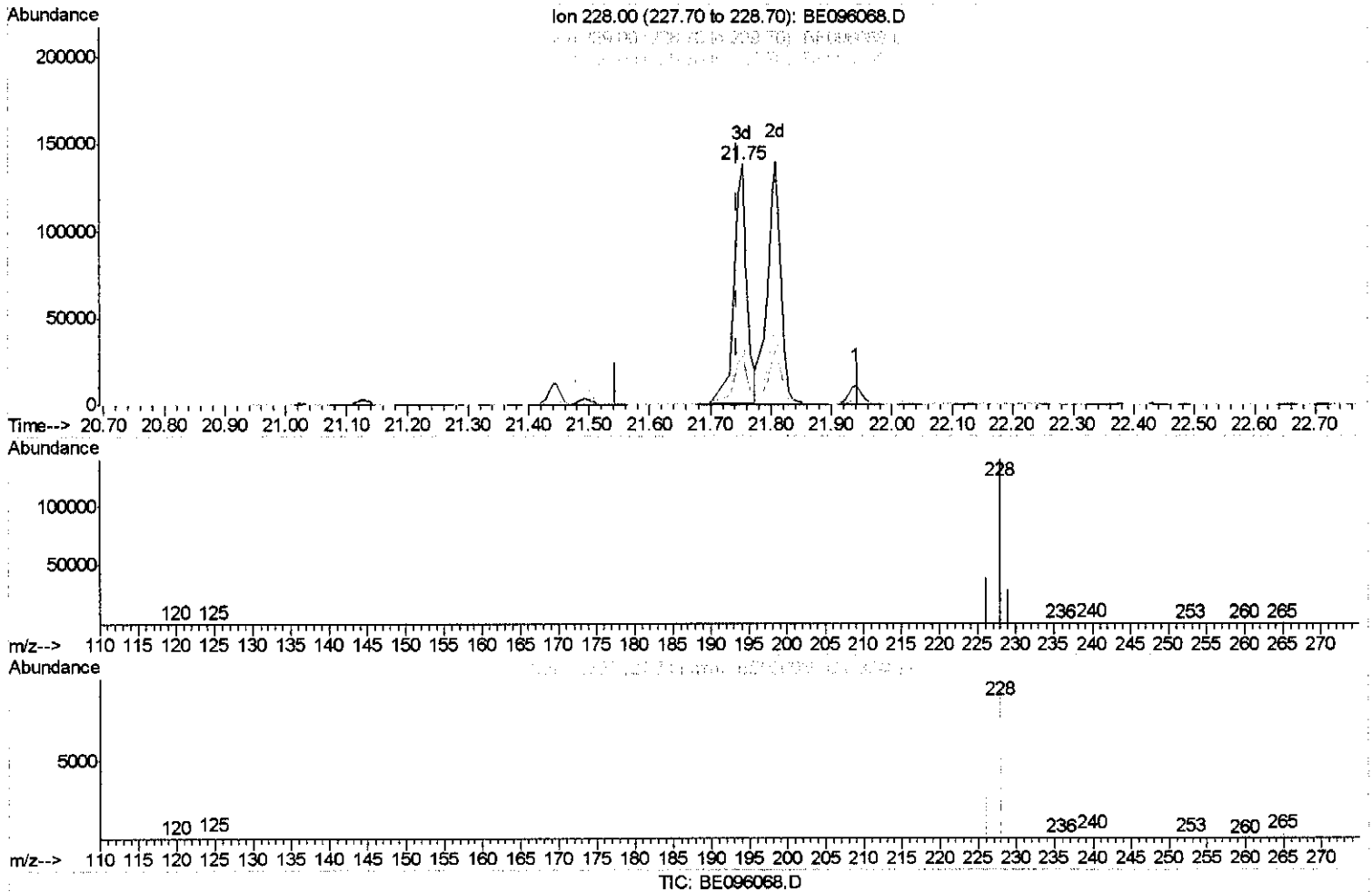
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(18) Benzo(a)anthracene

21.752min (+0.008) 9.52ng/ul m> SJ 4/24/18

response 272785

Ion	Exp%	Act%
228.00	100	100
229.00	28.50	20.73#
226.00	21.30	27.82#
0.00	0.00	0.00

Quantitation Report (Qedit)

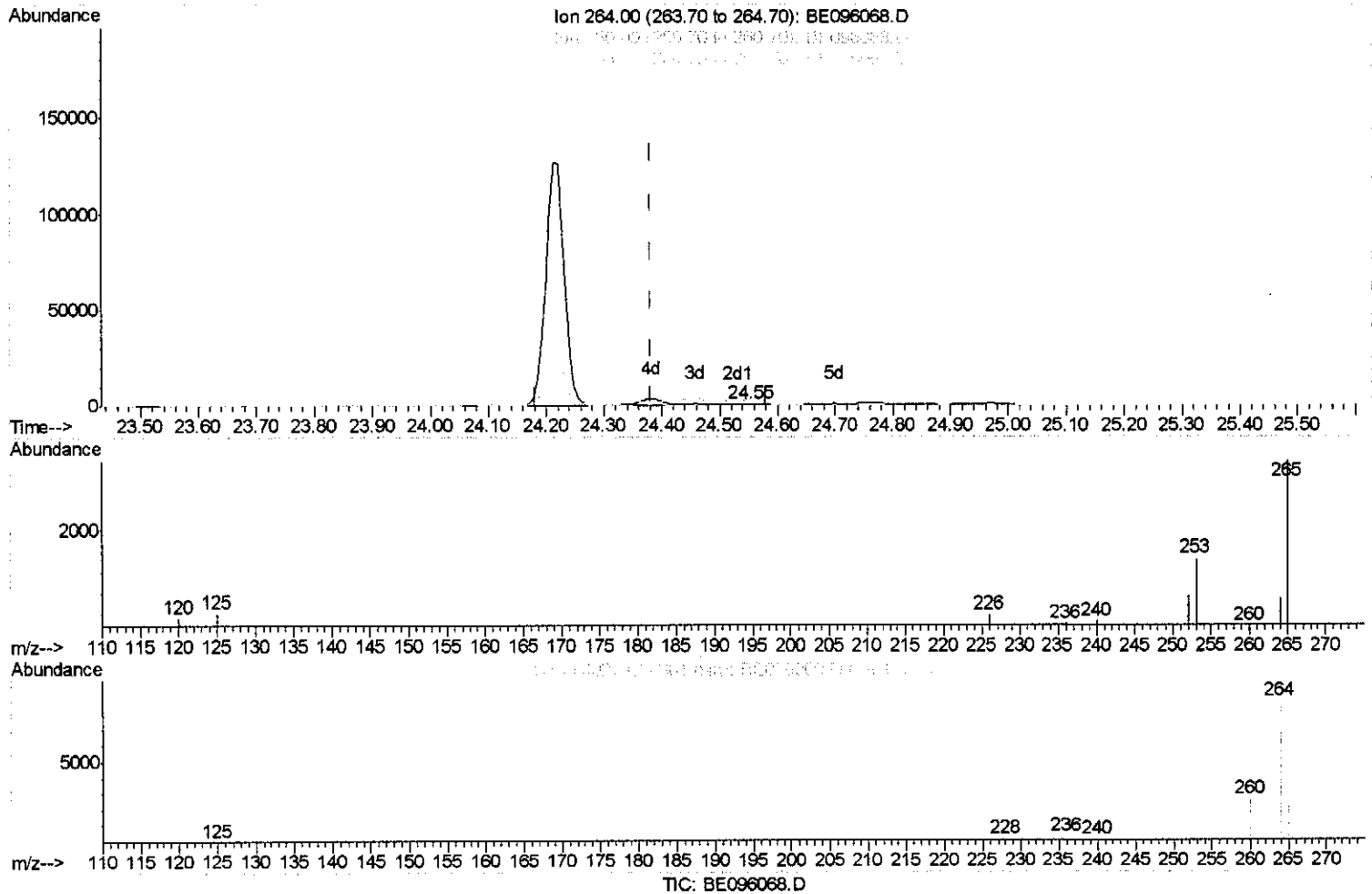
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(20) Perylene-d12 (I)

24.550min (+0.169) 0.40ng/ul

response 928

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	24.50
265.00	103.50	474.21#
0.00	0.00	0.00

Quantitation Report (Qedit)

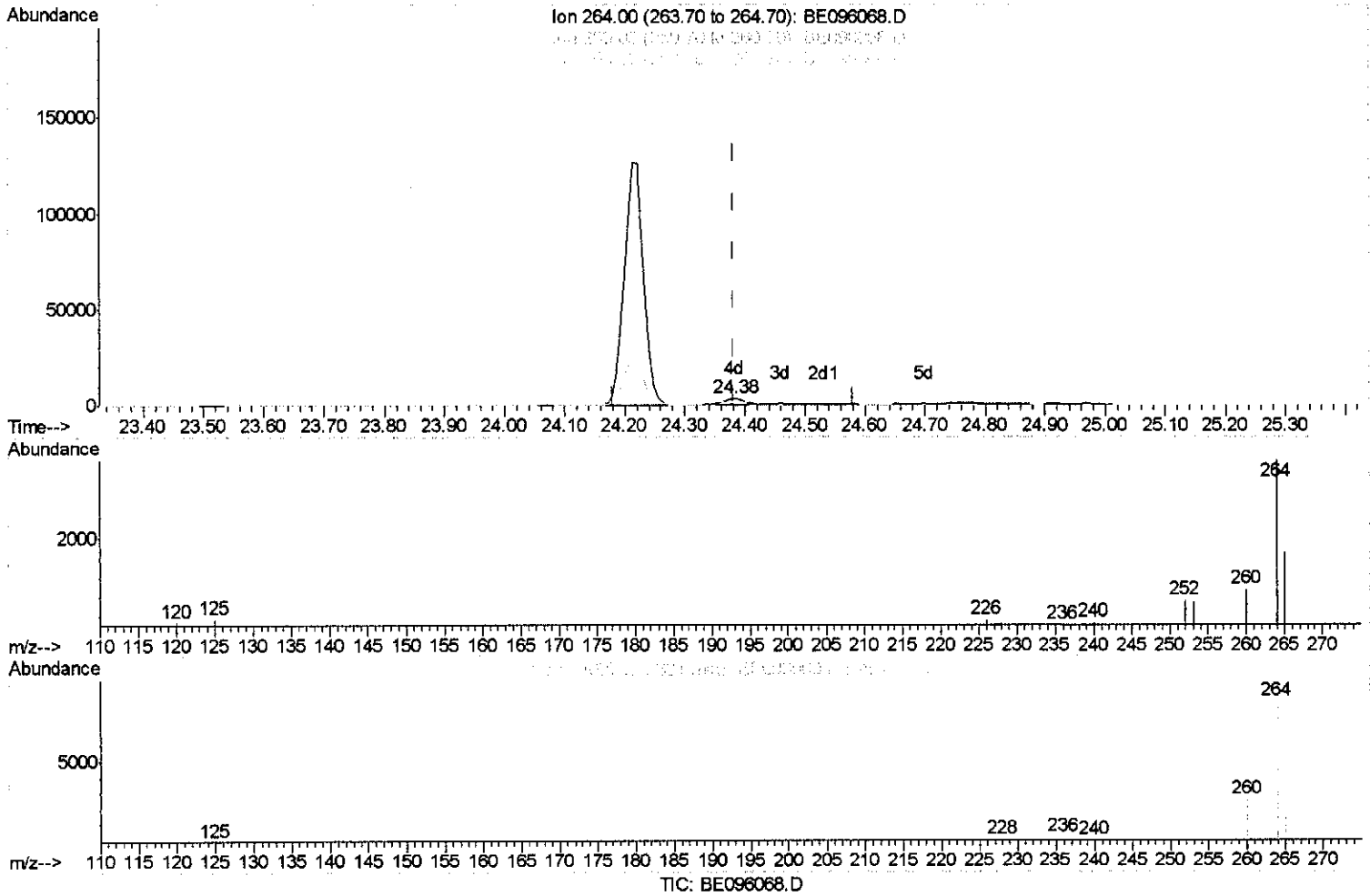
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(20) Perylene-d12 (I)

24.381min (+0.000) 0.40ng/ul m > SJ 4/24/18

response 7714

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	26.10
265.00	103.50	46.91#
0.00	0.00	0.00

Quantitation Report (Qedit)

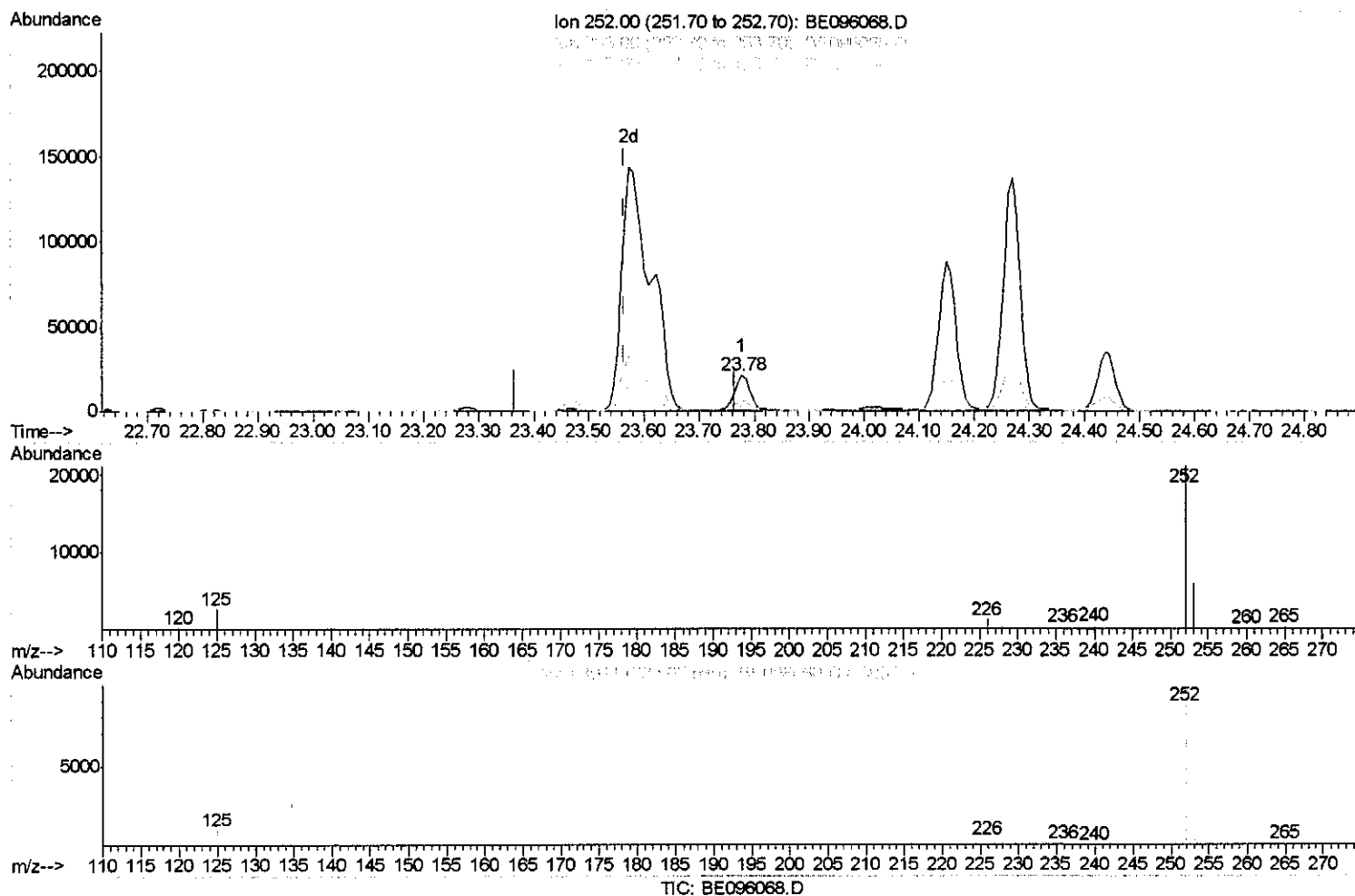
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(21) Benzo(b)fluoranthene

23.777min (+0.211) 1.64ng/ul

response 40997

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	28.71
125.00	17.50	12.69
0.00	0.00	0.00

Quantitation Report (Qedit)

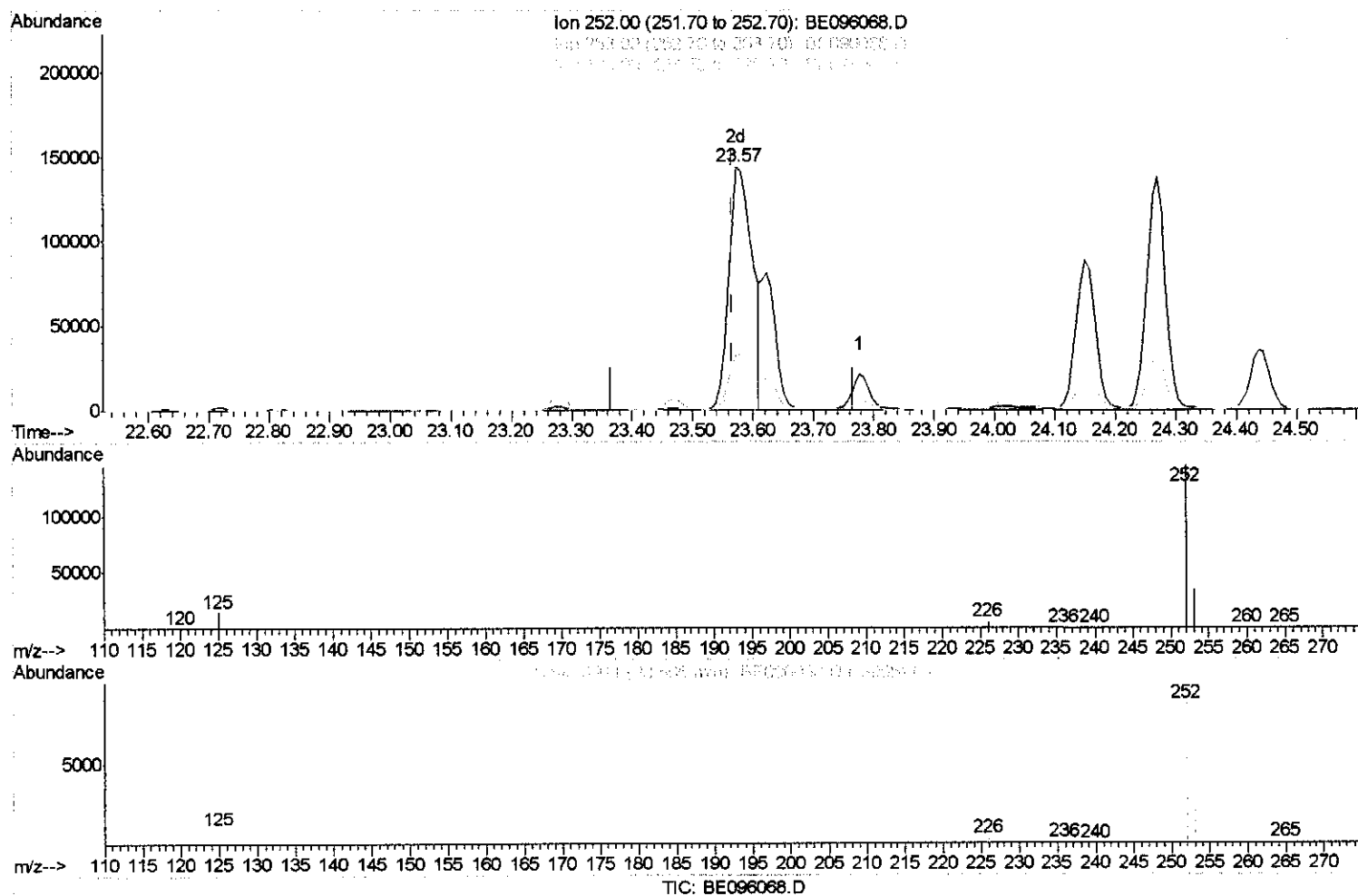
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
Data File : BE096068.D
Acq On : 21 Apr 2018 7:46
Operator : SJ/JU
Sample : J2434-18
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AD3

Manual Integrations
APPROVED

Sohil
4/23/2018 6:44:27 PM

Quant Time: Apr 23 03:00:23 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 23 01:07:45 2018
Response via : Initial Calibration



(21) Benzo(b)fluoranthene

23.573min (+0.007) 15.60ng/ul m> SJ 4/24/18

response 389321

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.09
125.00	17.50	10.27
0.00	0.00	0.00

Quantitation Report (Qedit)

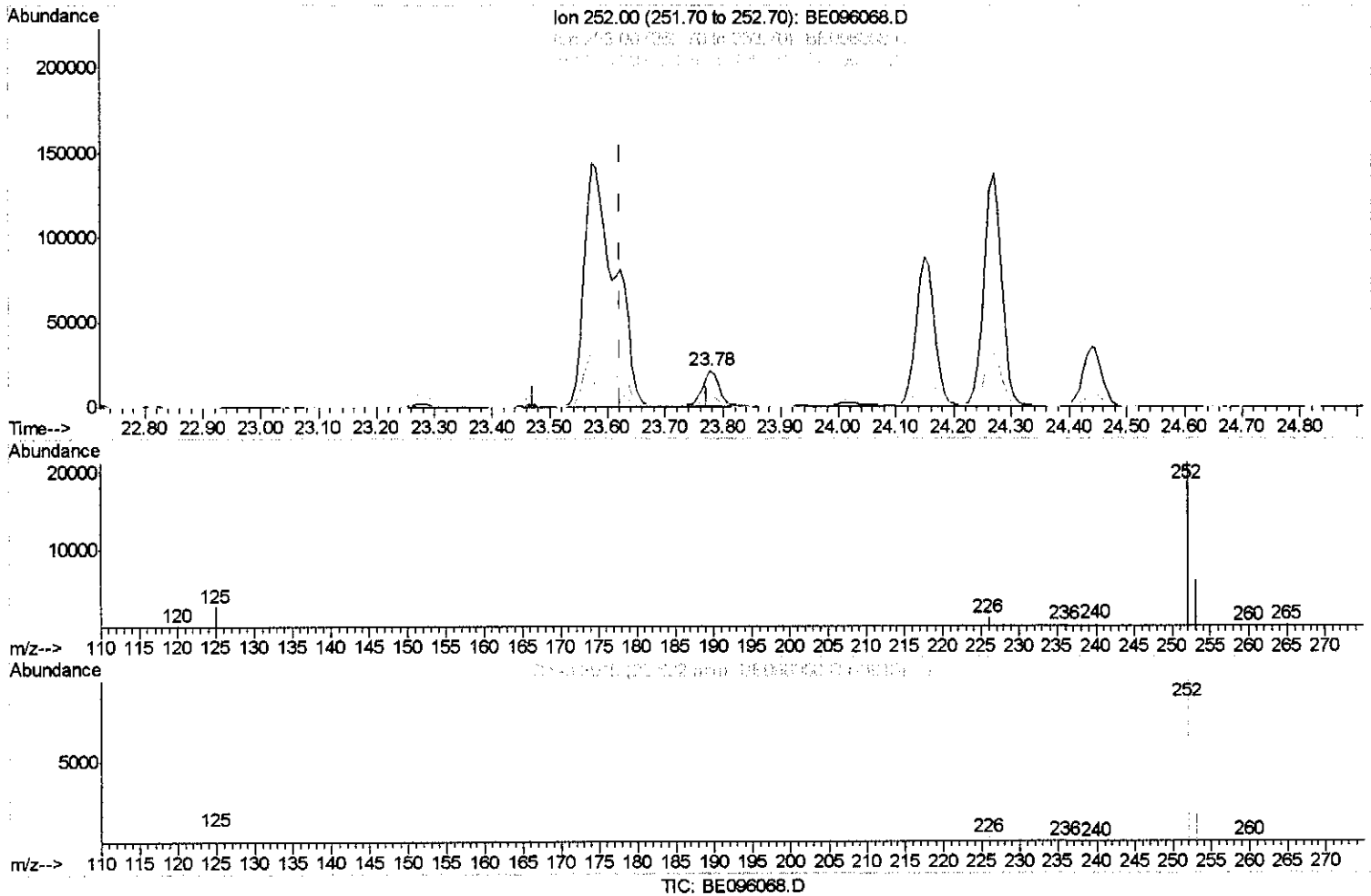
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096068.D
 Acq On : 21 Apr 2018 7:46
 Operator : SJ/JU
 Sample : J2434-18
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AD3

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:44:27 PM

Quant Time: Apr 23 03:00:23 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 01:07:45 2018
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

23.777min (+0.155) 1.65ng/ul

response 41078

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	28.71
125.00	17.10	12.69#
0.00	0.00	0.00

Quantitation Report (Qedit)

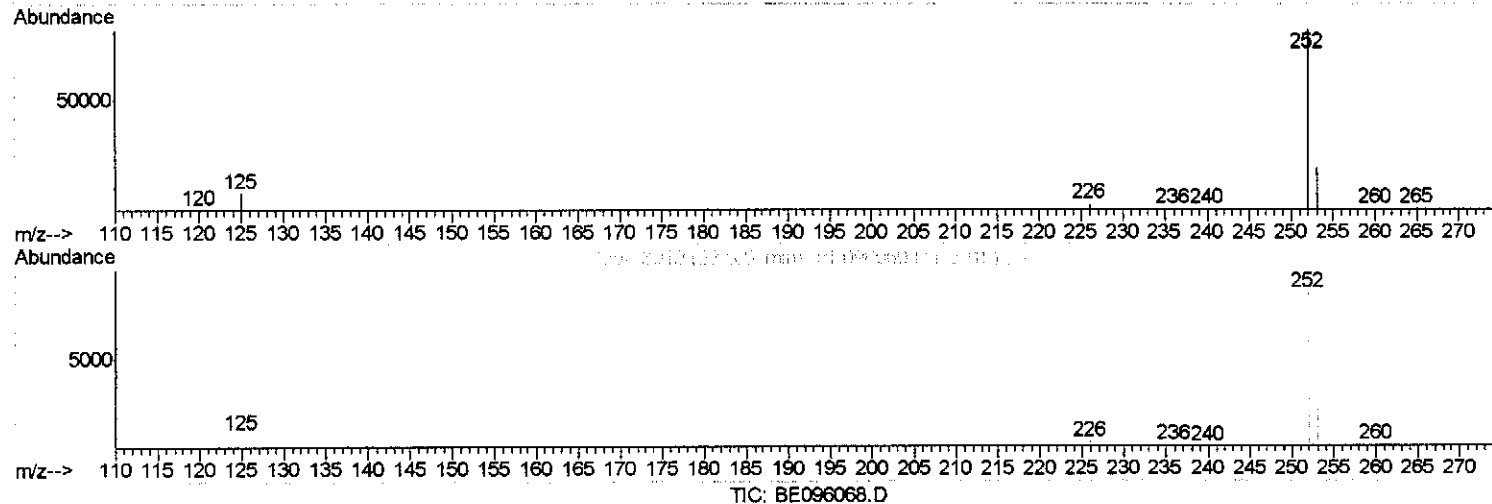
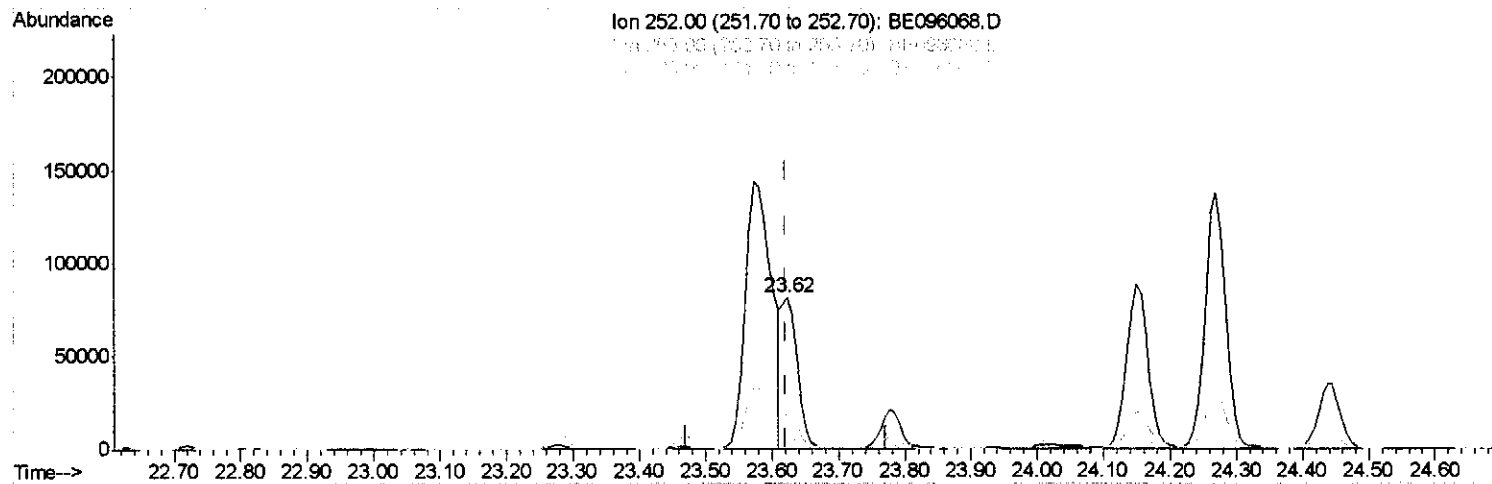
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096068.D
 Acq On : 21 Apr 2018 7:46
 Operator : SJ/JU
 Sample : J2434-18
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 Client Sample ID :
 C0AD3

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:44:27 PM

Quant Time: Apr 23 03:00:23 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 01:07:45 2018
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

23.622min (+0.000) 5.49ng/ul m) SJ 4/24/18

response 136433

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.39#
125.00	17.10	9.59#
0.00	0.00	0.00

Quantitation Report (Qedit)

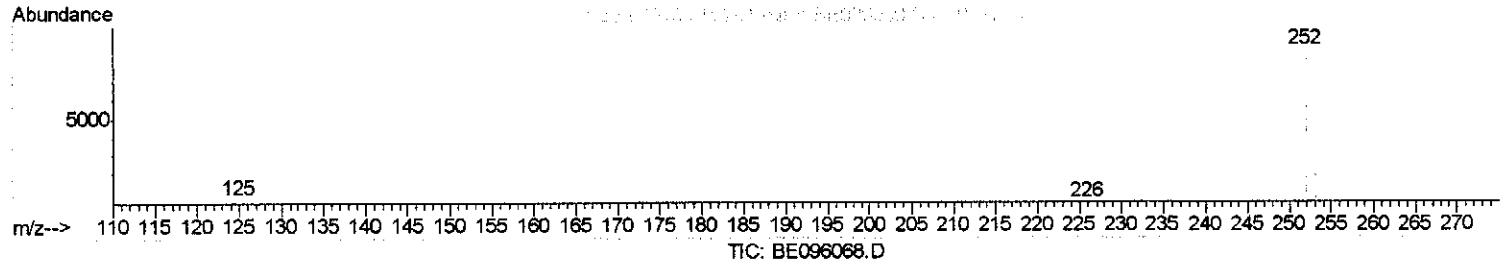
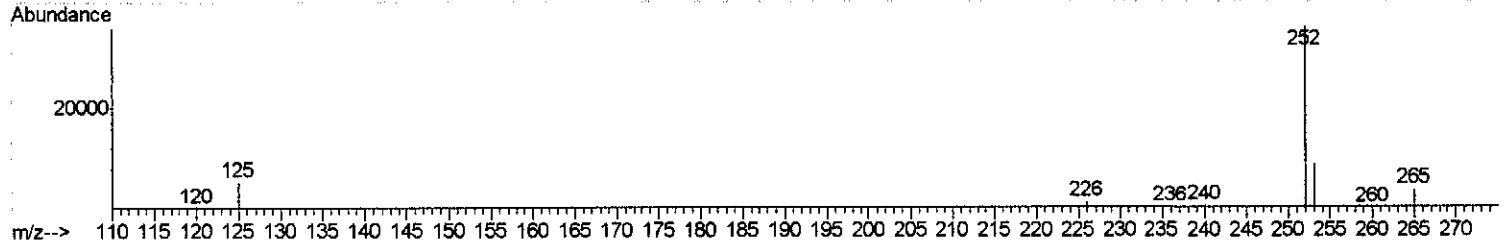
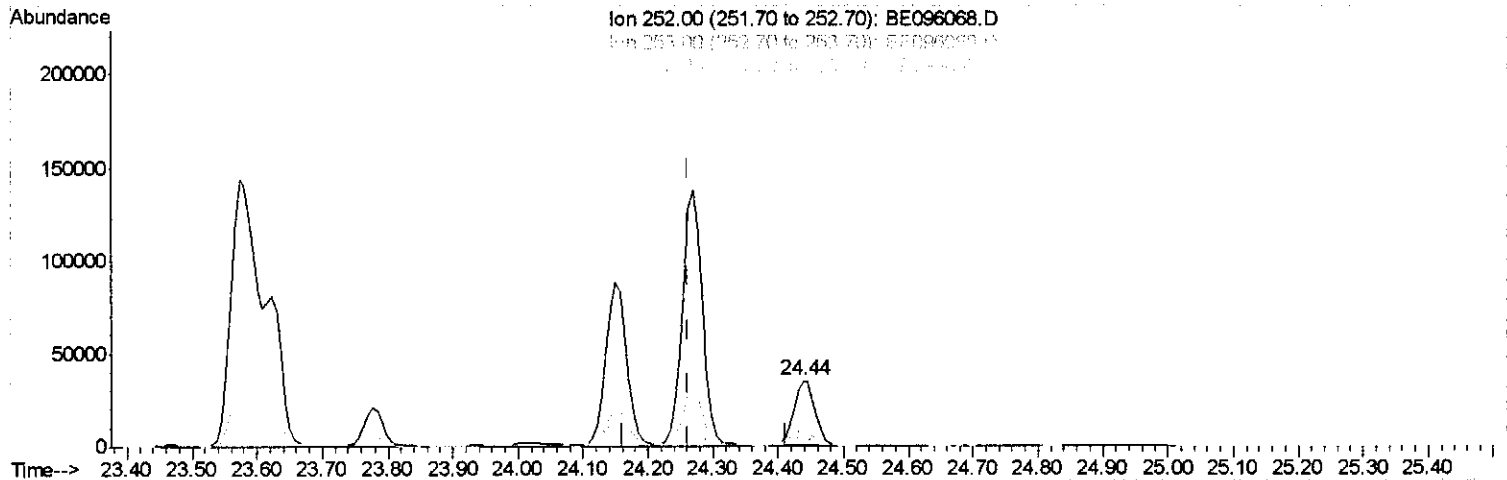
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096068.D
 Acq On : 21 Apr 2018 7:46
 Operator : SJ/JU
 Sample : J2434-18
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AD3

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:44:27 PM

Quant Time: Apr 23 03:00:23 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 01:07:45 2018
 Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

24.438min (+0.176) 3.25ng/ul

response 78353

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	24.46#
125.00	22.60	15.24#
0.00	0.00	0.00

Quantitation Report (Qedit)

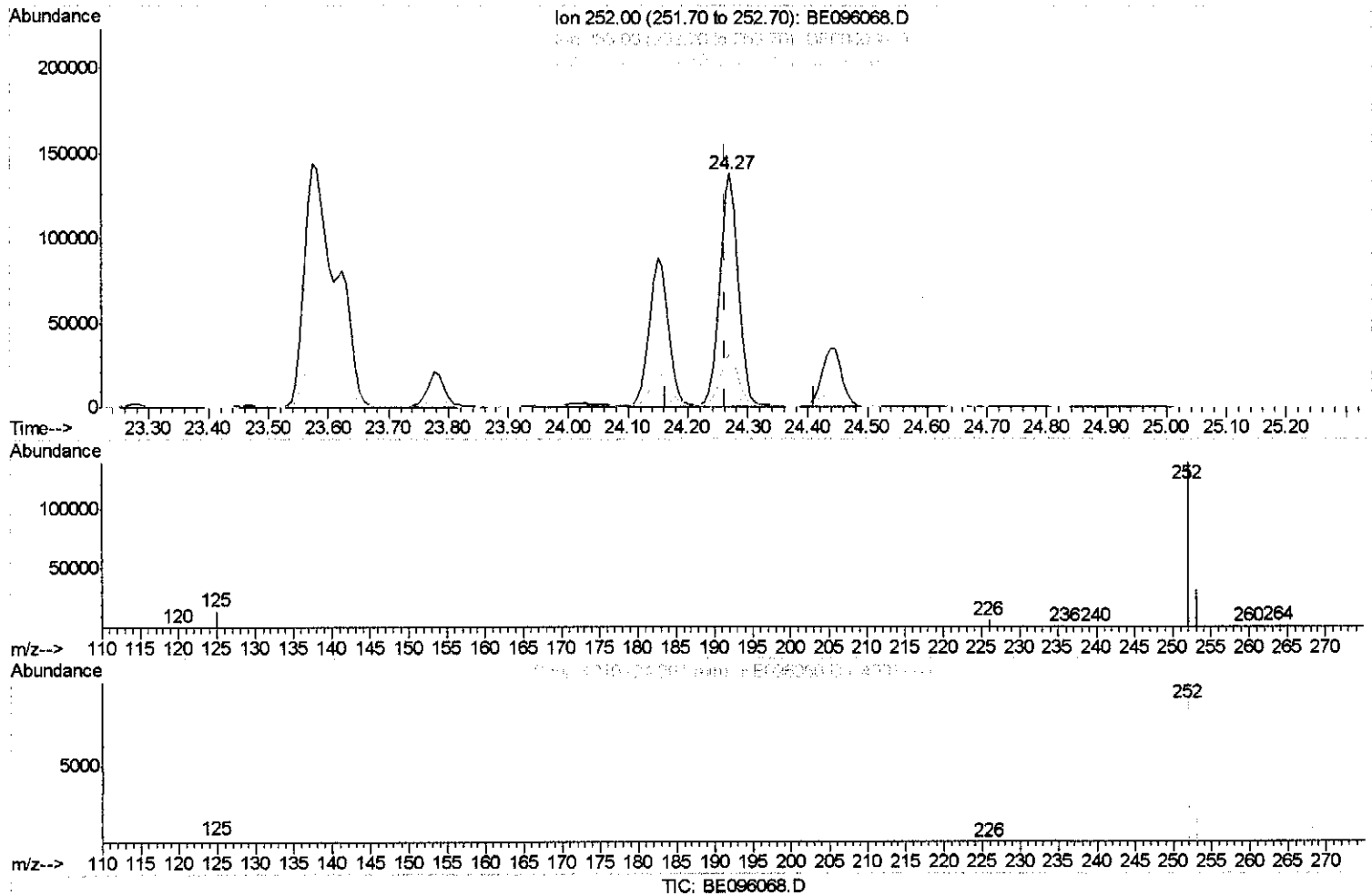
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096068.D
 Acq On : 21 Apr 2018 7:46
 Operator : SJ/JU
 Sample : J2434-18
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AD3

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:44:27 PM

Quant Time: Apr 23 03:00:23 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 01:07:45 2018
 Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

24.269min (+0.008) 12.22ng/ul m > SJ 4/24/18

response 294297

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	22.82#
125.00	22.60	10.03#
0.00	0.00	0.00

Quantitation Report (Qedit)

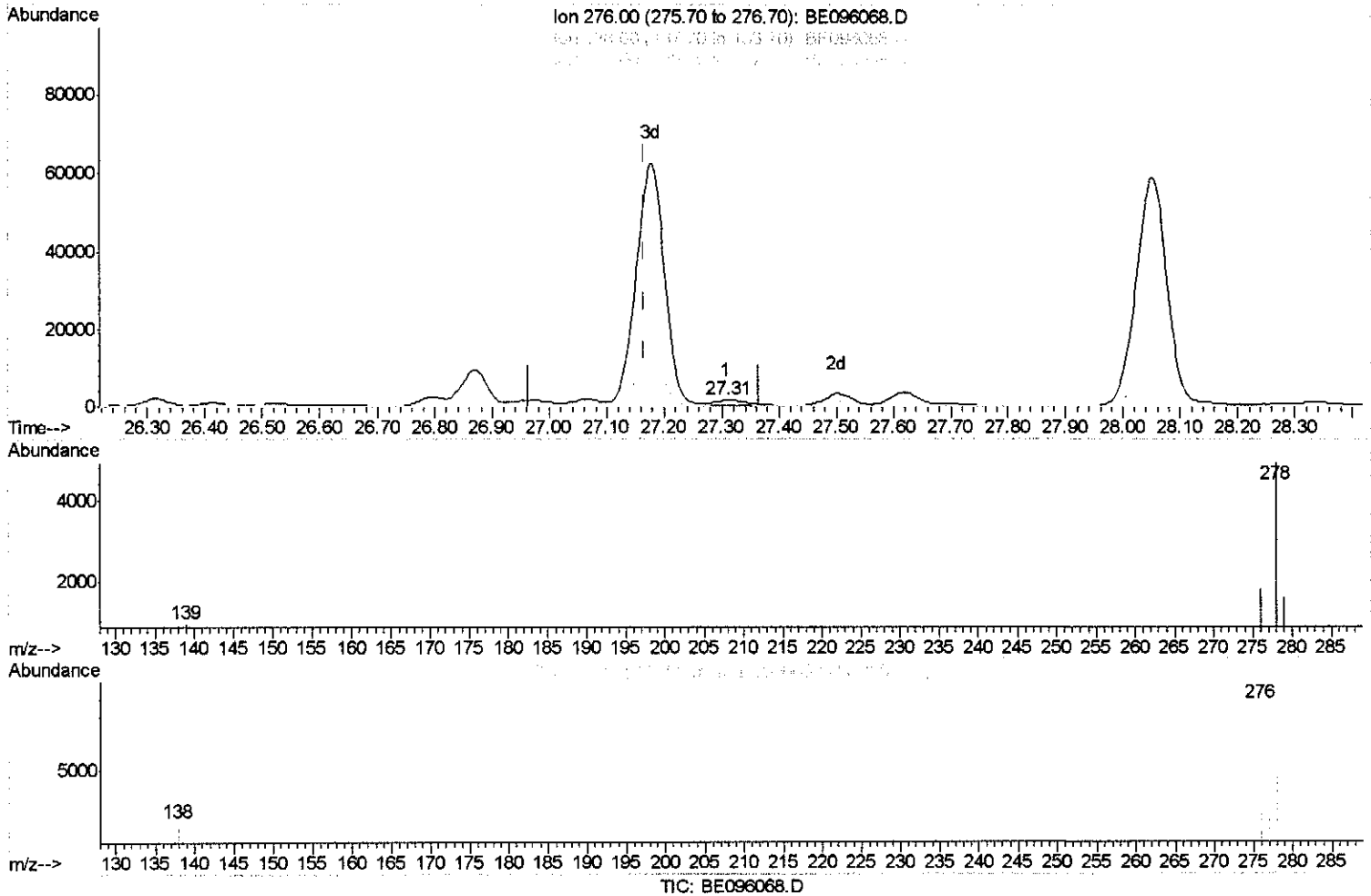
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096068.D
 Acq On : 21 Apr 2018 7:46
 Operator : SJ/JU
 Sample : J2434-18
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AD3

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:44:27 PM

Quant Time: Apr 23 03:00:23 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 01:07:45 2018
 Response via : Initial Calibration



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

27.308min (+0.142) 0.20ng/ui

response 5340

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	46.72#
227.00	10.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

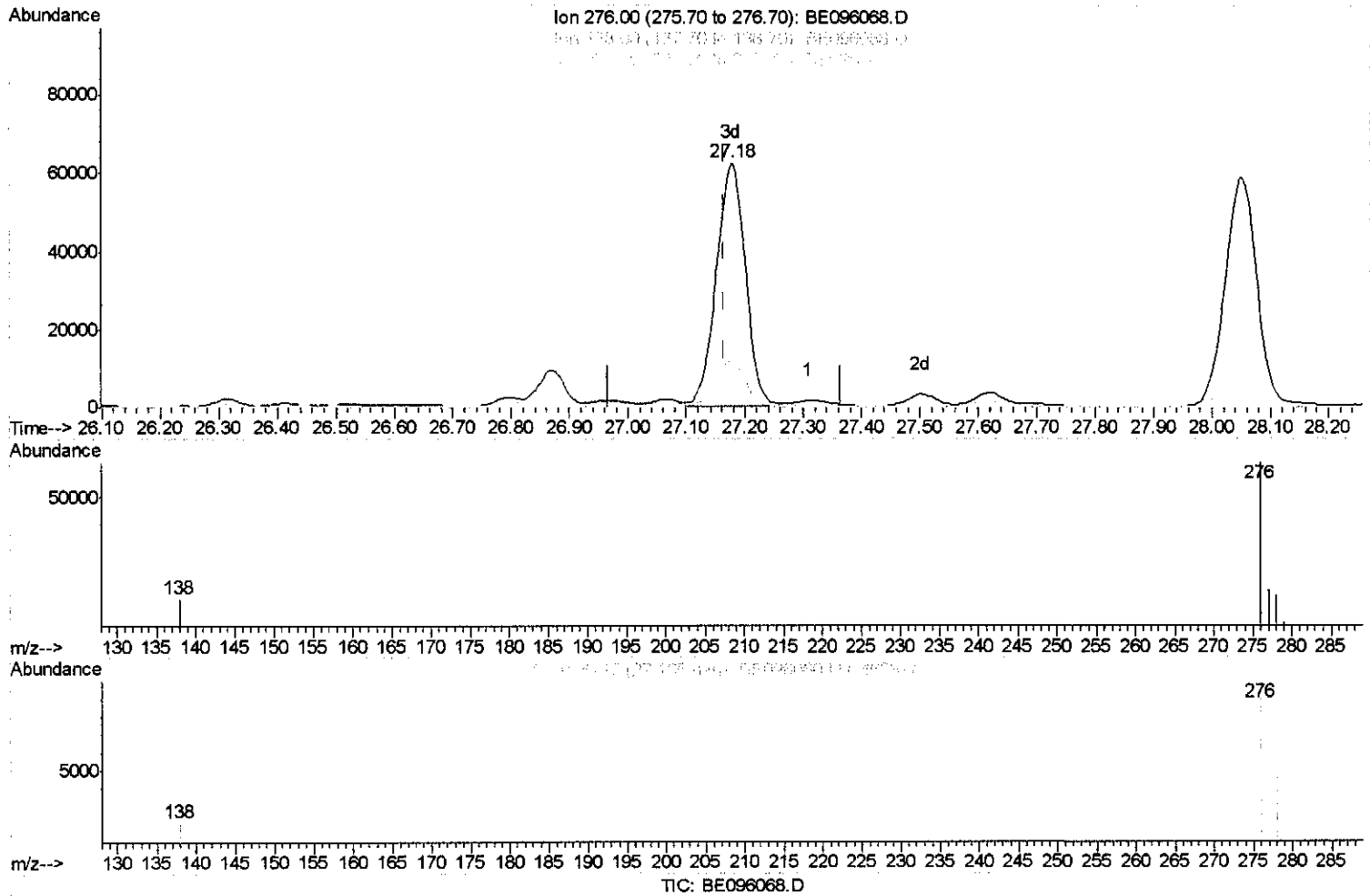
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096068.D
 Acq On : 21 Apr 2018 7:46
 Operator : SJ/JU
 Sample : J2434-18
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AD3

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:44:27 PM

Quant Time: Apr 23 03:00:23 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 01:07:45 2018
 Response via : Initial Calibration



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

27.176min (+0.011) 8.05ng/ul m> SJ 4/24/18

response 215393

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	1.16#
227.00	10.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

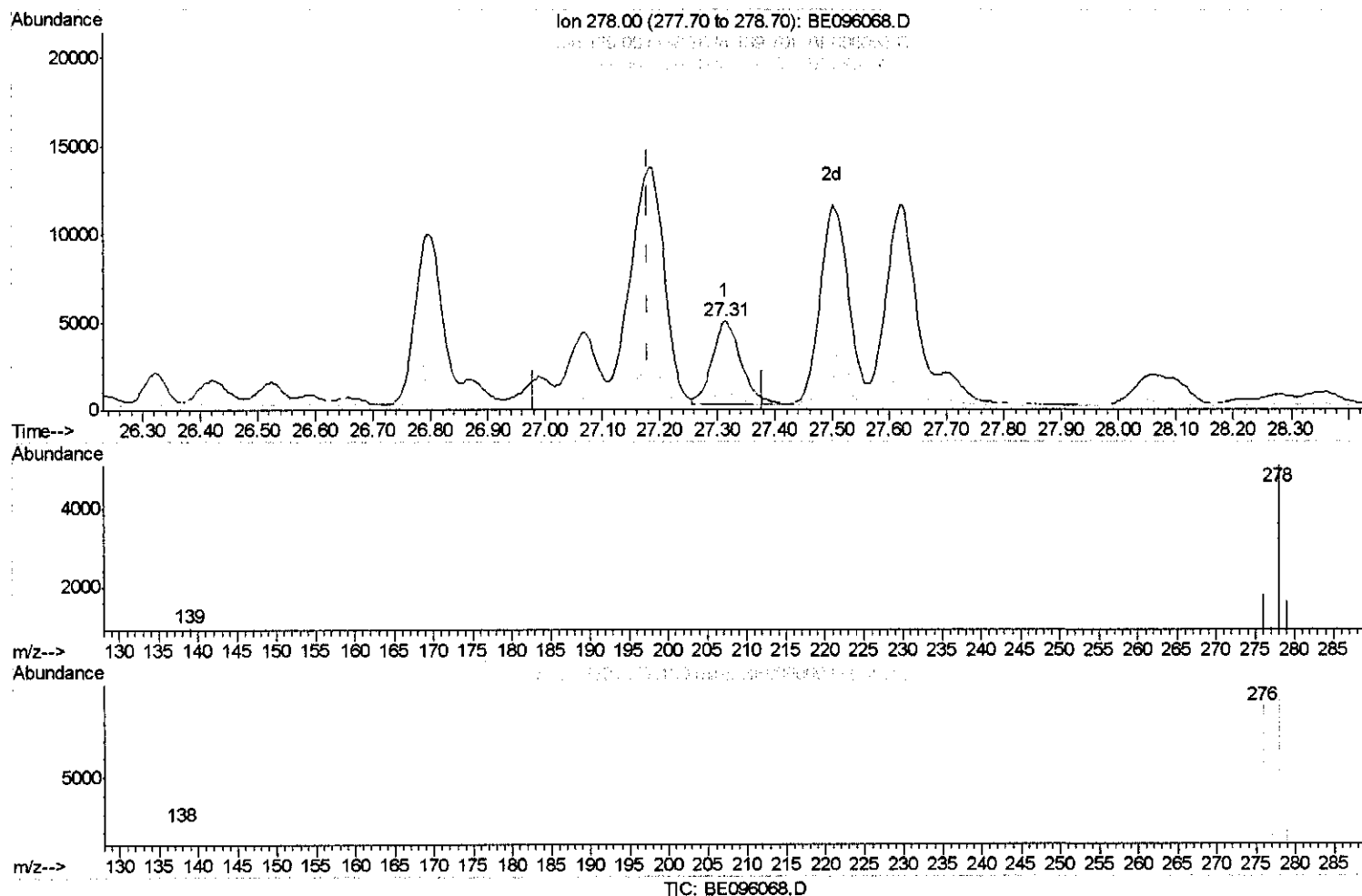
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096068.D
 Acq On : 21 Apr 2018 7:46
 Operator : SJ/JU
 Sample : J2434-18
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AD3

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:44:27 PM

Quant Time: Apr 23 03:00:23 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 01:07:45 2018
 Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

27.311min (+0.132) 0.75ng/ul

response 16202

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	18.93
279.00	32.40	32.02
0.00	0.00	0.00

Quantitation Report (Qedit)

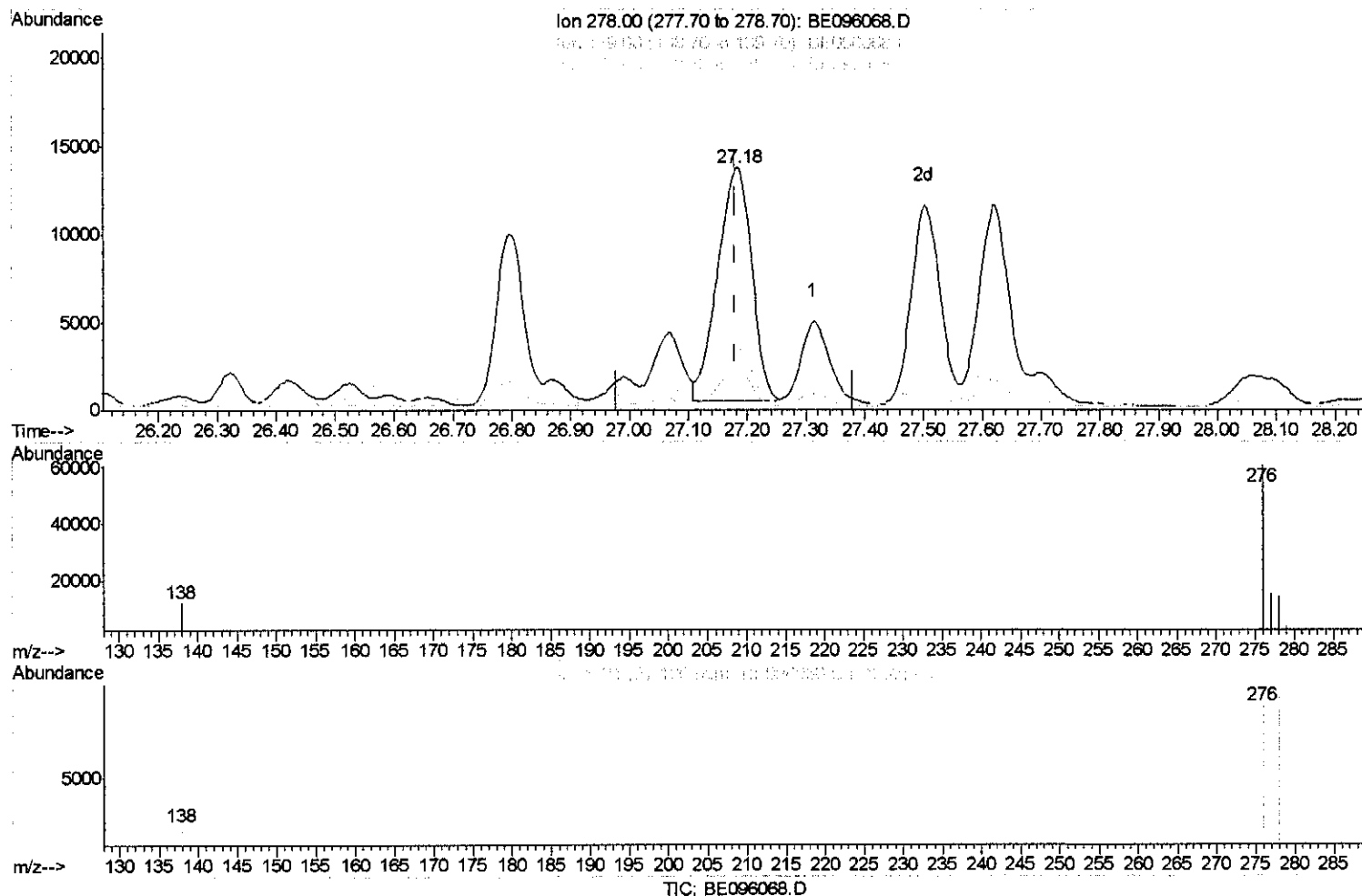
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096068.D
 Acq On : 21 Apr 2018 7:46
 Operator : SJ/JU
 Sample : J2434-18
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AD3

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:44:27 PM

Quant Time: Apr 23 03:00:23 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 01:07:45 2018
 Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

27.183min (+0.003) 2.50ng/ul m> SJ 4/24/18

response 53789

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	16.58#
279.00	32.40	25.83#
0.00	0.00	0.00

Quantitation Report (Qedit)

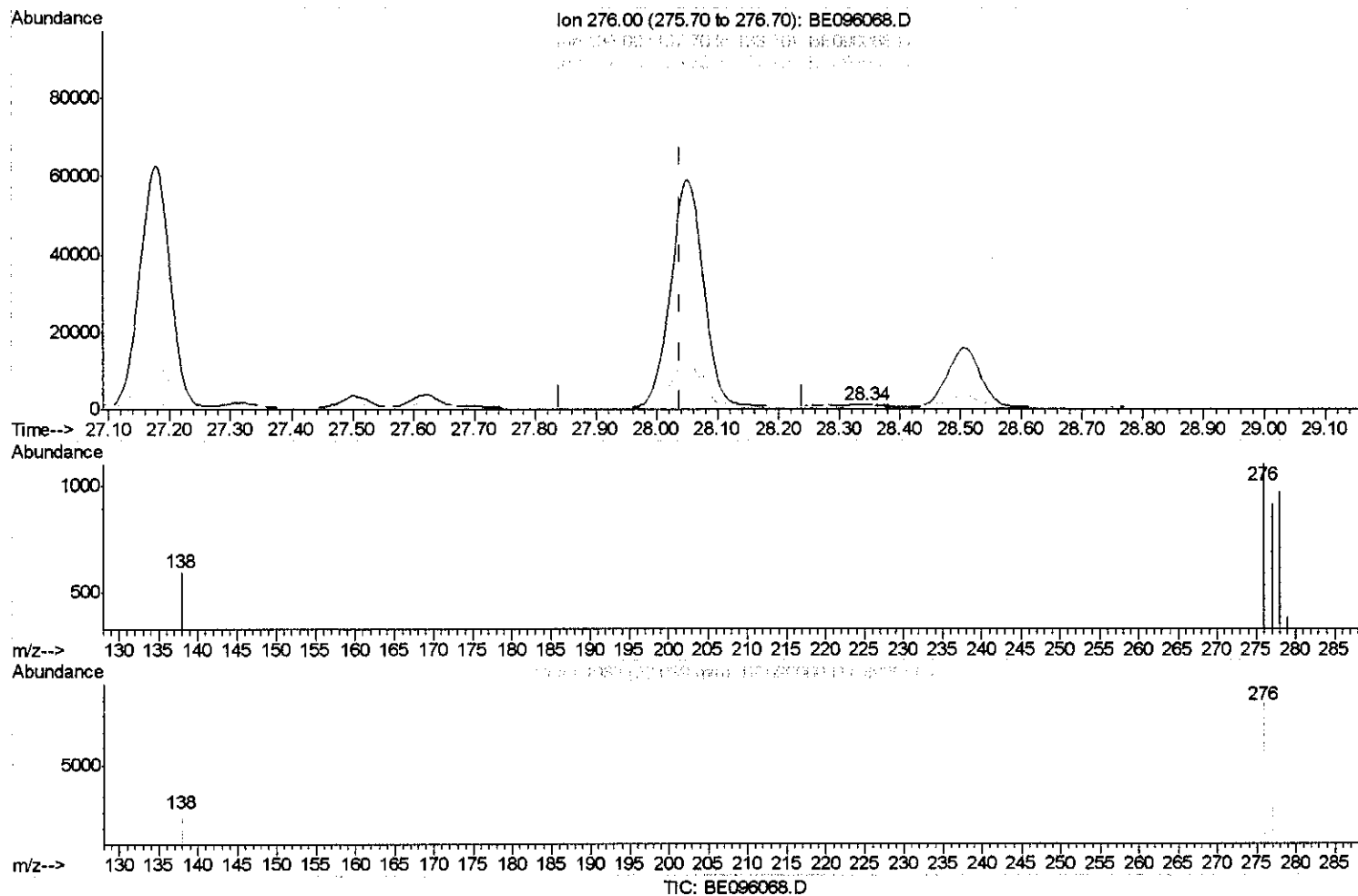
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096068.D
 Acq On : 21 Apr 2018 7:46
 Operator : SJ/JU
 Sample : J2434-18
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AD3

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:44:27 PM

Quant Time: Apr 23 03:00:23 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 01:07:45 2018
 Response via : Initial Calibration



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

28.342min (+0.303) 0.09ng/ul

response 1974

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	54.28#
277.00	25.60	83.42#
0.00	0.00	0.00

Quantitation Report (Qedit)

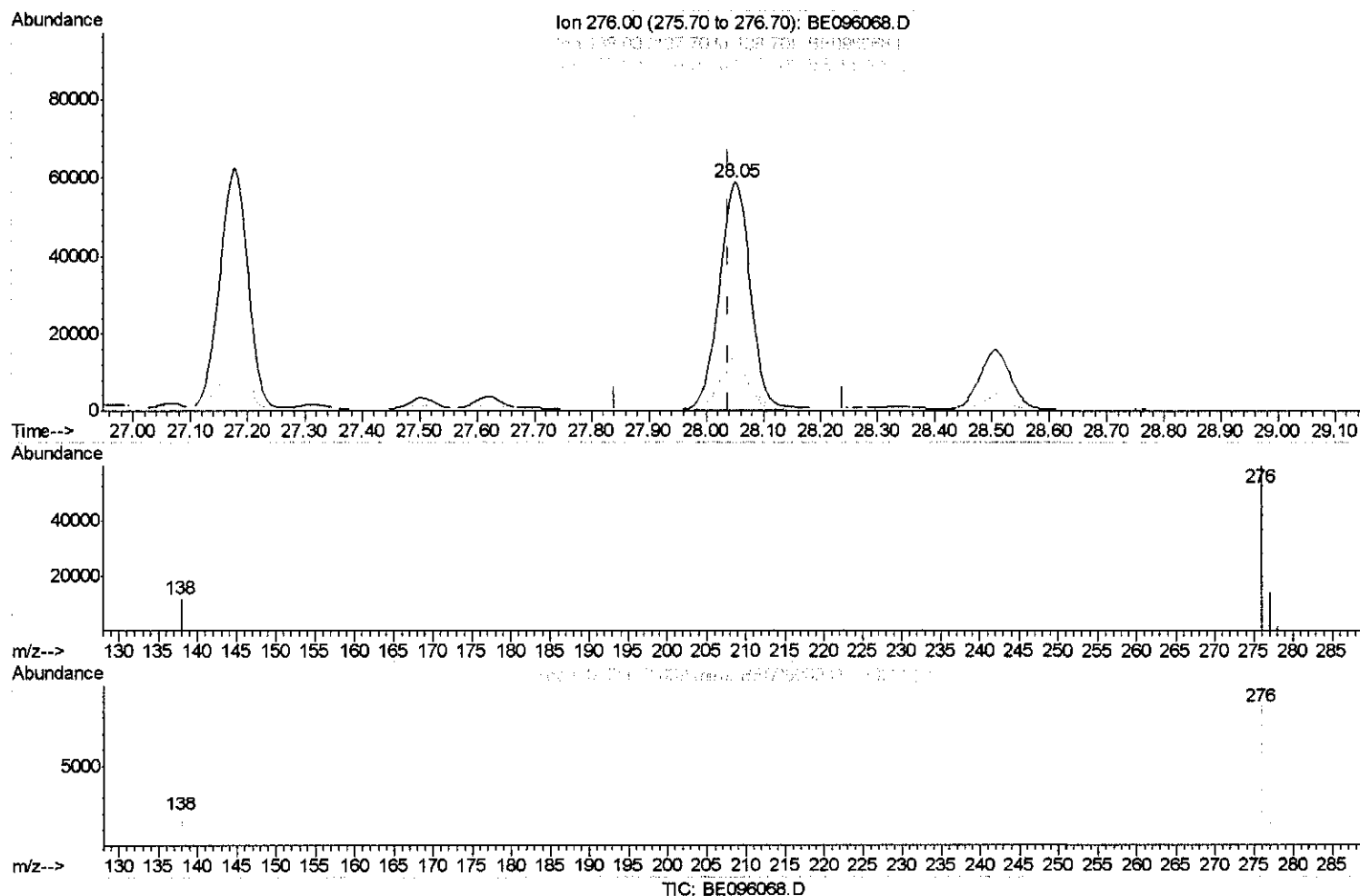
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096068.D
 Acq On : 21 Apr 2018 7:46
 Operator : SJ/JU
 Sample : J2434-18
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 C0AD3

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:44:27 PM

Quant Time: Apr 23 03:00:23 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 01:07:45 2018
 Response via : Initial Calibration



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

28.050min (+0.011) 10.00ng/ul m > SJ 4/24/18

response 223669

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	19.99#
277.00	25.60	24.03
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096068.D
 Acq On : 21 Apr 2018 7:46
 Operator : SJ/JU
 Sample : J2434-18
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AD3

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:44:27 PM

Quant Time: Apr 23 03:02:46 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 01:07:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.38	152	2017	0.40	ng/ul	0.00
2) Naphthalene-d8	11.20	136	5724	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.97	164	3329	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.68	188	7496m	0.40	ng/ul	0.00
16) Chrysene-d12	21.77	240	7093m	0.40	ng/ul	0.00
20) Perylene-d12	24.38	264	7714m	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.76	152	1651	0.15	ng/ul	0.00
14) Fluoranthene-d10	19.66	212	4720m	0.15	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	11.25	128	1457	0.091	ng/ul#	84
5) 2-Methylnaphthalene	12.83	142	876	0.081	ng/ul	98
7) Acenaphthylene	14.70	152	3608	0.209	ng/ul	98
8) Acenaphthene	15.03	153	2706	0.219	ng/ul	96
9) Fluorene	15.99	166	1296	0.093	ng/ul	91
12) Phenanthrene	17.72	178	40829m	1.848	ng/ul	
13) Anthracene	17.80	178	6477m	0.295	ng/ul	
15) Fluoranthene	19.69	202	227502m	7.568	ng/ul	
17) Pyrene	20.04	202	246738	10.237	ng/ul#	78
18) Benzo(a)anthracene	21.75	228	272785m	9.519	ng/ul	
19) Chrysene	21.81	228	220083	10.671	ng/ul	98
21) Benzo(b)fluoranthene	23.57	252	389321m	15.597	ng/ul	
22) Benzo(k)fluoranthene	23.62	252	136433m	5.486	ng/ul	
23) Benzo(a)pyrene	24.27	252	294297m	12.218	ng/ul	
24) Indeno(1,2,3-cd)pyrene	27.18	276	215393m	8.046	ng/ul	
25) Dibenzo(a,h)anthracene	27.18	278	53789m	2.495	ng/ul	
26) Benzo(a,h,i)perylene	28.05	276	223669m	10.003	ng/ul	

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