

Quantitation Report (QT Reviewed)

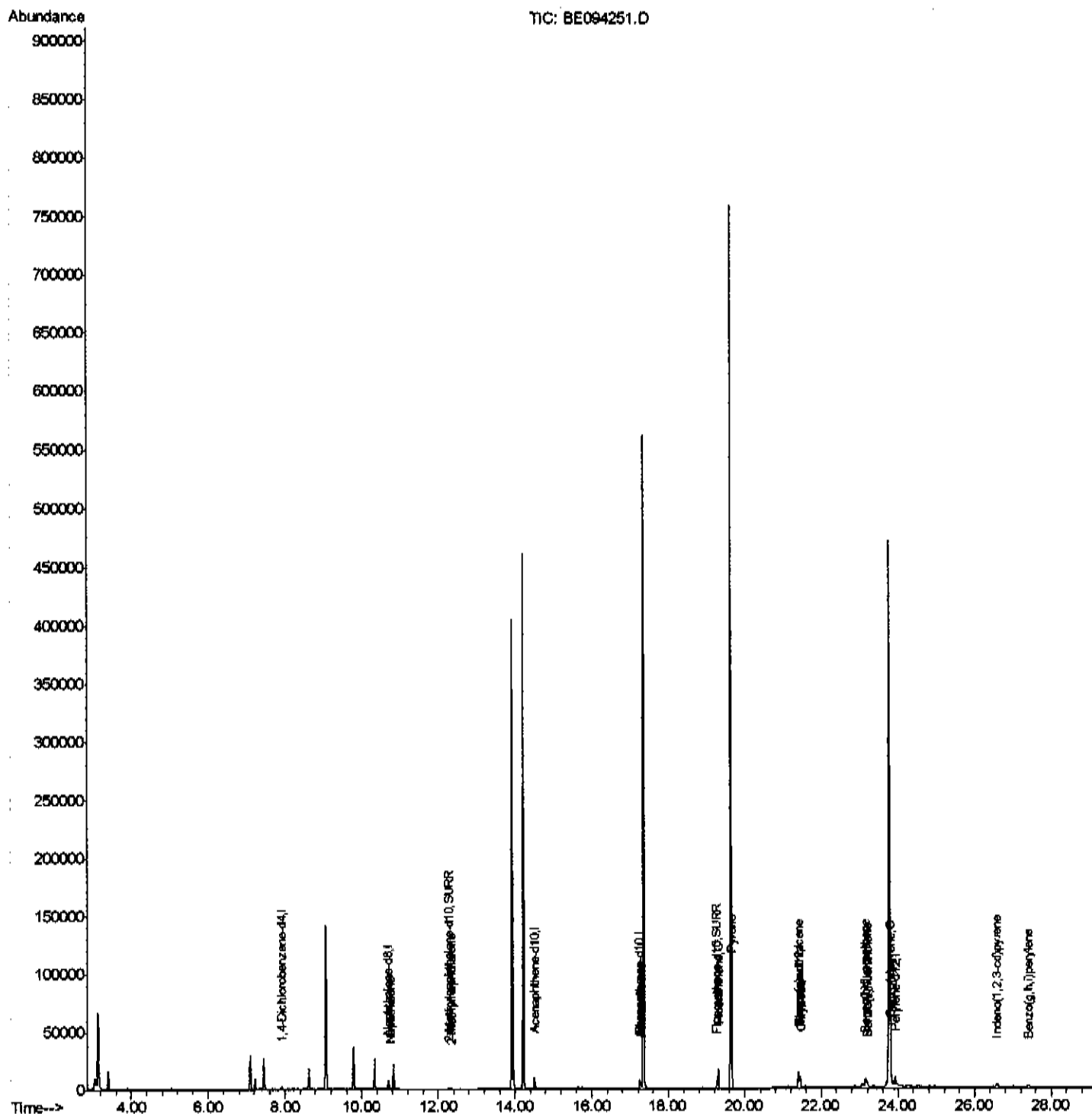
Data Path : Z:\HPCHEM1\BNA_E\Data\BE101017\
 Data File : BE094251.D
 Acq On : 10 Oct 2017 13:03
 Operator : SJ/JU
 Sample : I5522-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AD5

Manual Integrations
 APPROVED

Sohil
 10/11/2017 7:19:39 PM

Quant Time: Oct 11 11:23:04 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 08:24:24 2017
 Response via : Initial Calibration



Quantitation Report (Qedit)

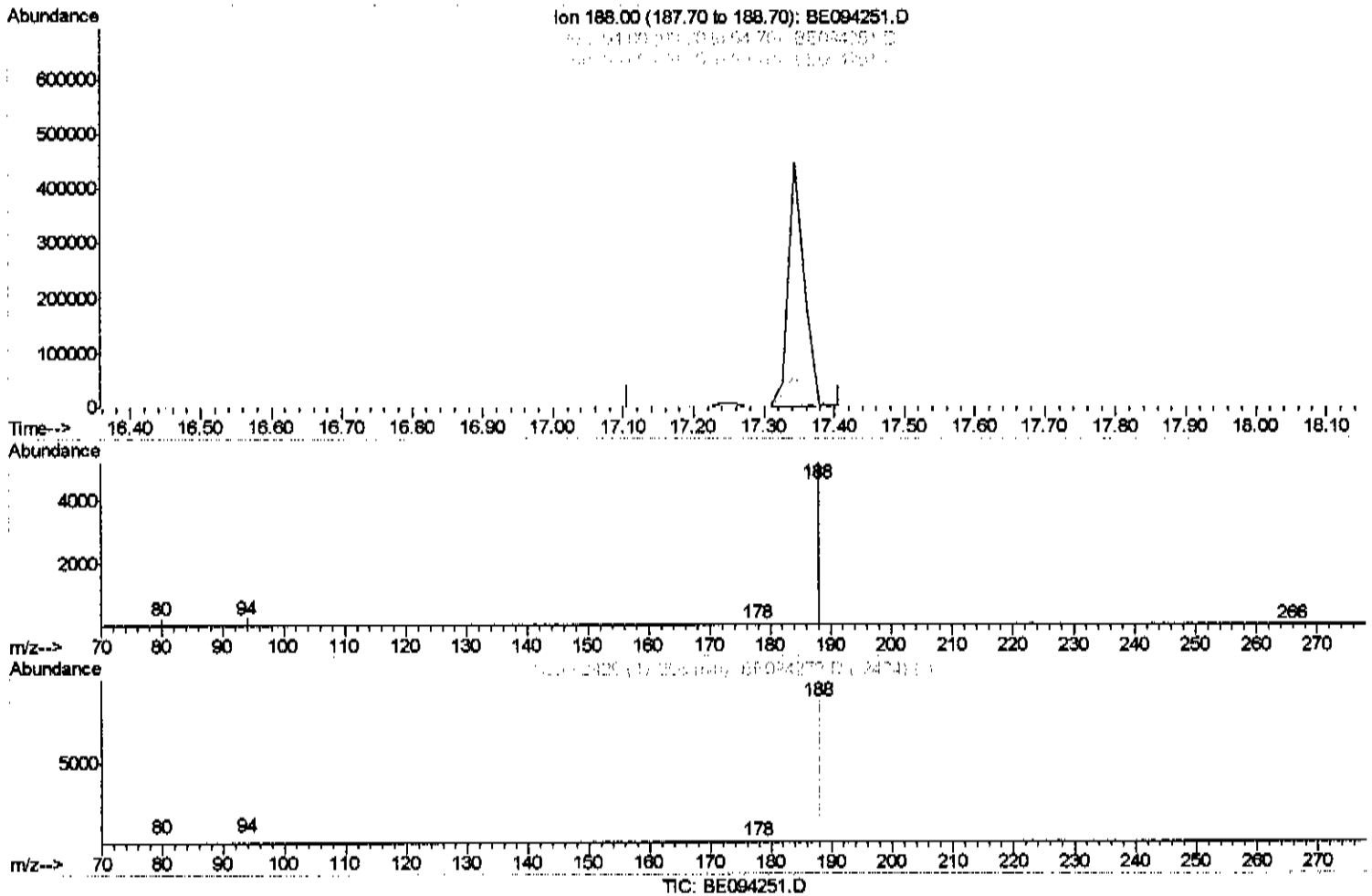
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 10/11/2017 7:19:39 PM

Quant Time: Oct 11 11:17:22 2017
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(10) Phenanthrene-d10 (I)
 17.256min (-17.256) 0.00ng/ul
 response 0

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

Quantitation Report (Qedit)

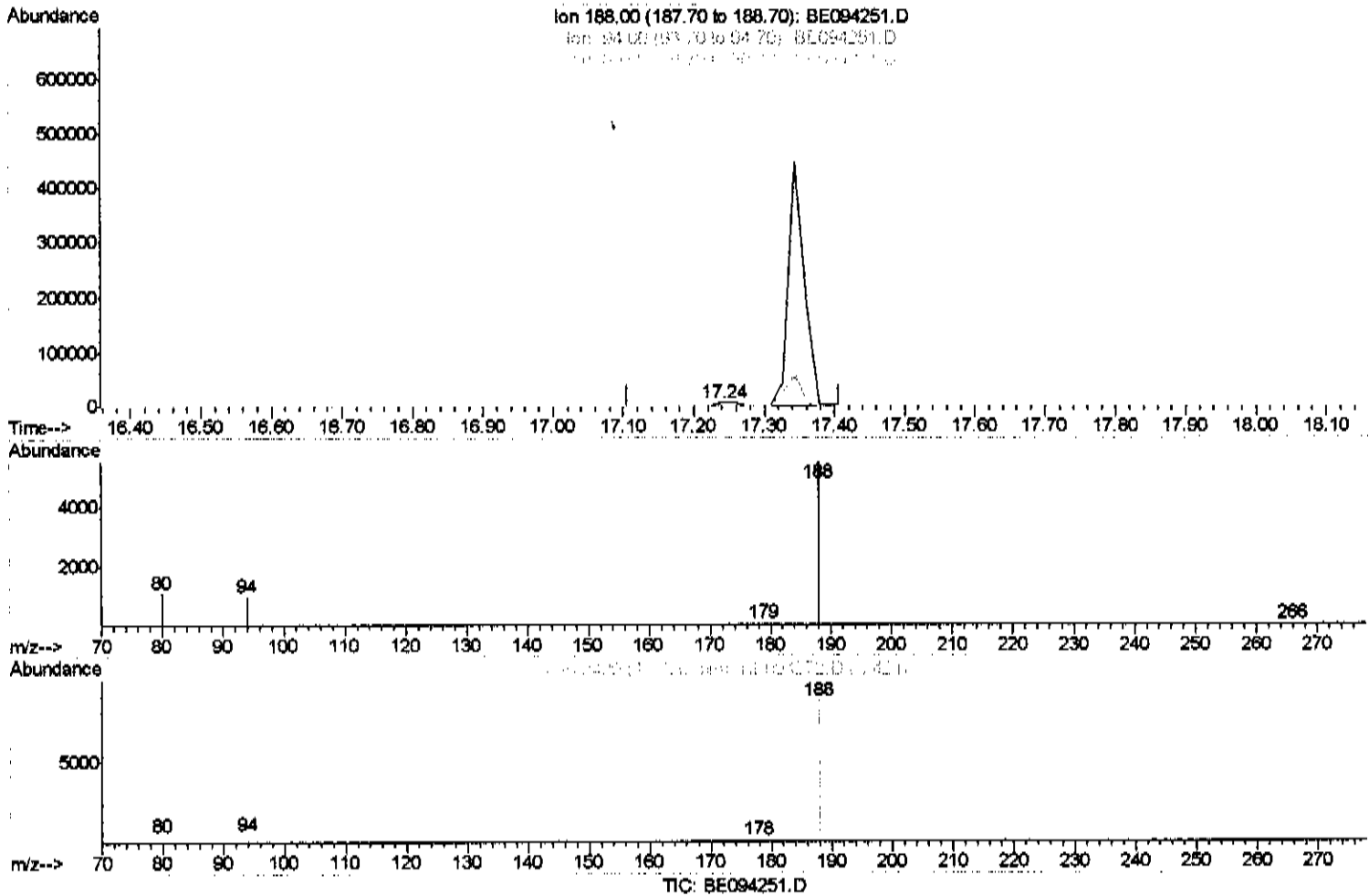
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(10) Phenanthrene-d10 (I)

17.240min (-0.017) 0.40ng/ul m

response 11635

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	18.01#
80.00	11.80	20.59#
0.00	0.00	0.00

Handwritten signature: JU 10/11/17

Quantitation Report (Qedit)

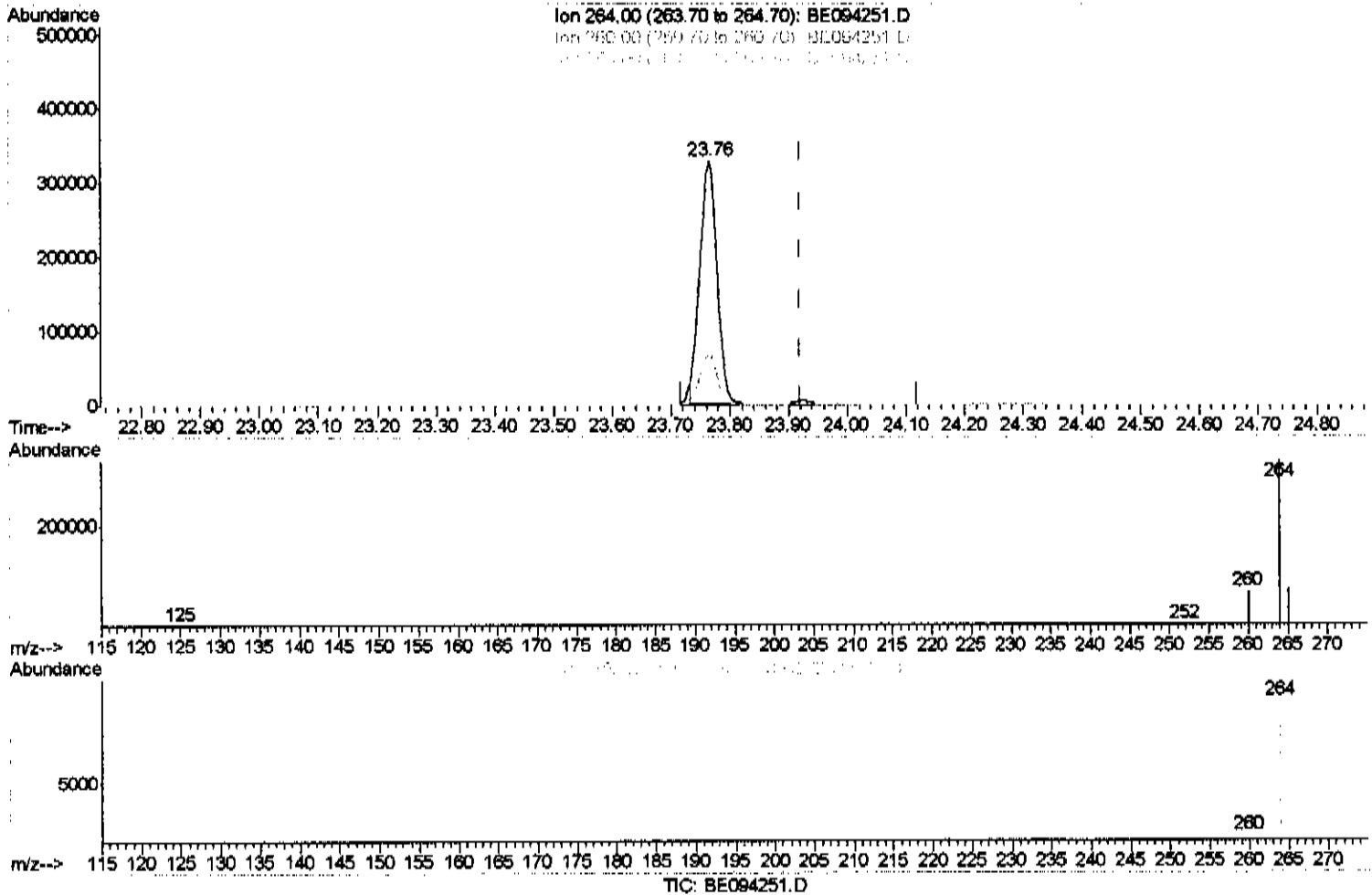
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Quant Time: Oct 11 11:18:57 2017
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(20) Perylene-d12 (I)

23.764min (-0.155) 0.40ng/ul

response 669478

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.68%
265.00	103.50	21.82%
0.00	0.00	0.00

Quantitation Report (Qedit)

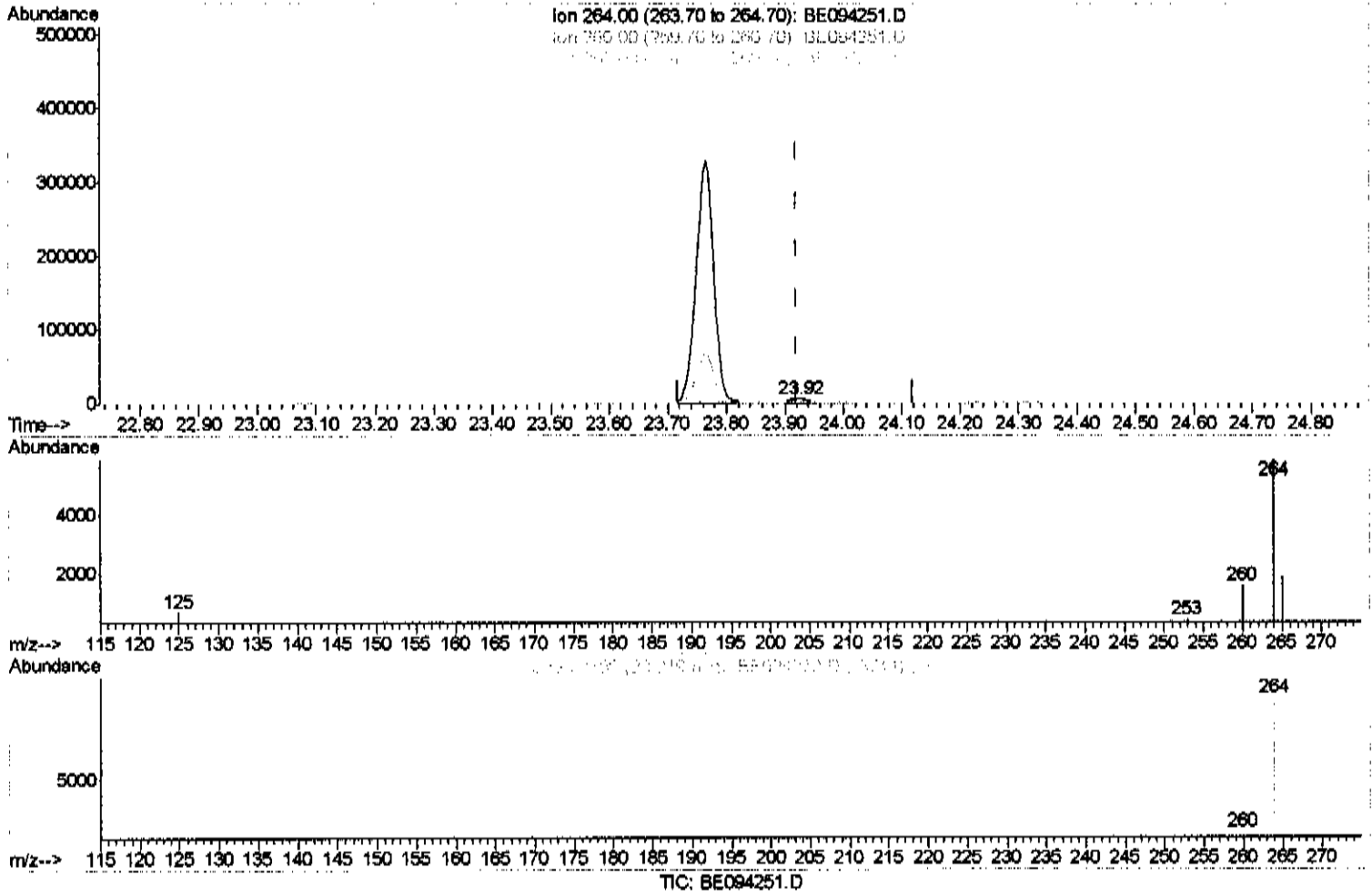
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(20) Perylene-d12 (I)

23.923min (+0.004) 0.40ng/ul m

response 10216

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	26.88
265.00	103.50	32.33#
0.00	0.00	0.00

Quantitation Report (Qedit)

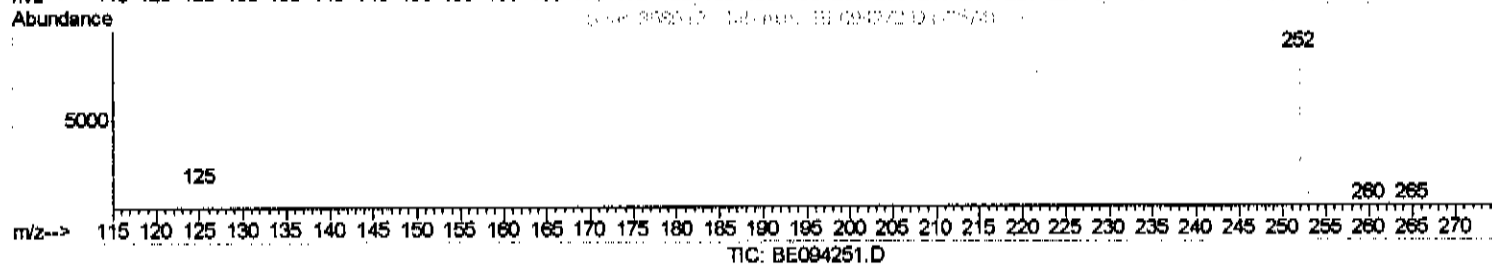
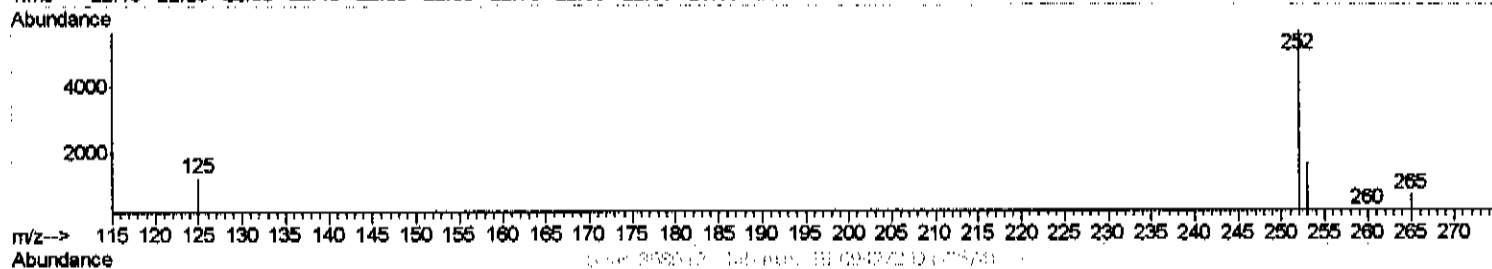
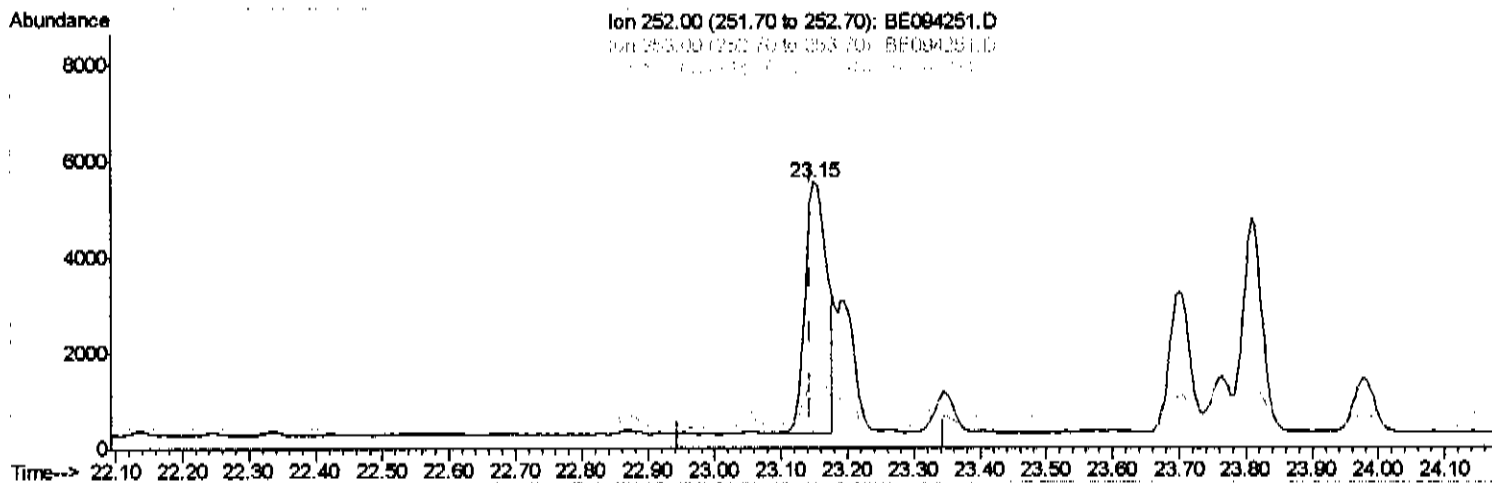
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(21) Benzo(b)fluoranthene

23.149min (+0.004) 0.44ng/ul

response 12092

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	29.16
125.00	17.50	22.47
0.00	0.00	0.00

Quantitation Report (Qedit)

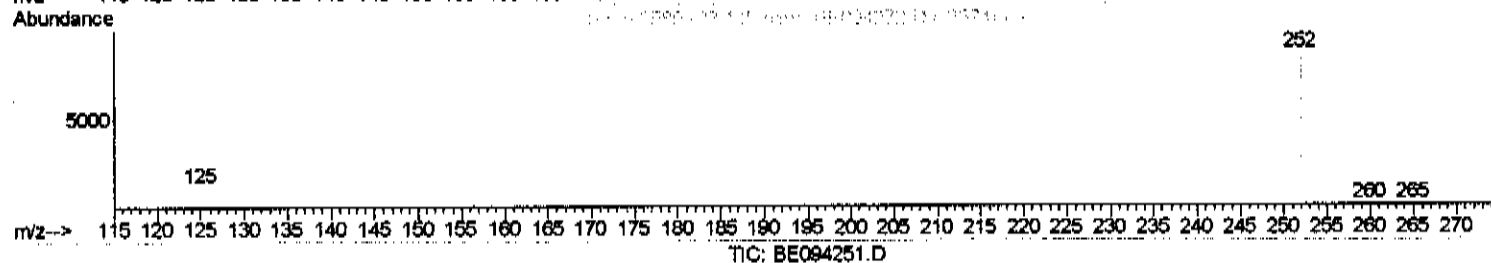
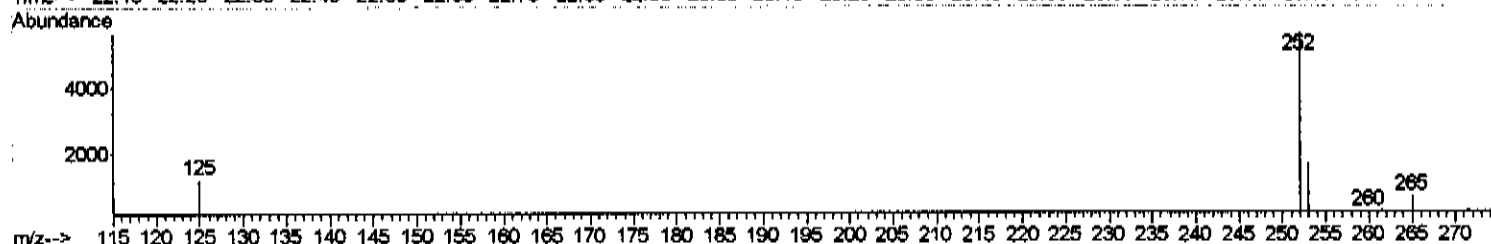
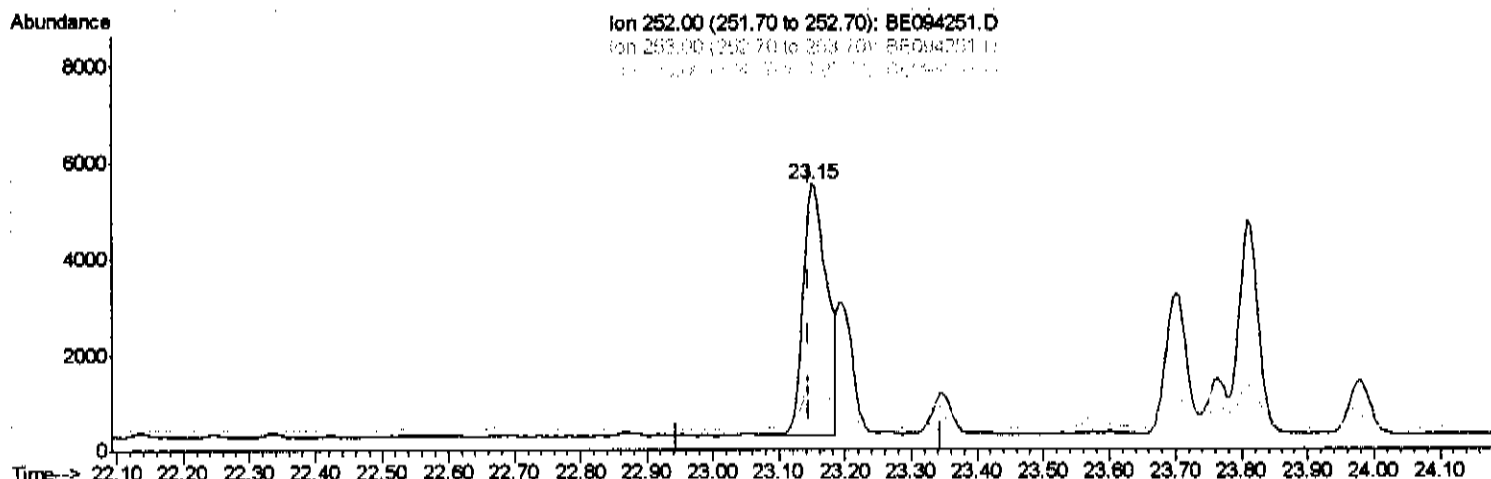
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 Misc :
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 ClientSampleId :
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(21) Benzo(b)fluoranthene

23.149min (+0.004) 0.49ng/ul m

response 13658

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	29.16
125.00	17.50	22.47
0.00	0.00	0.00

Quantitation Report (Qedit)

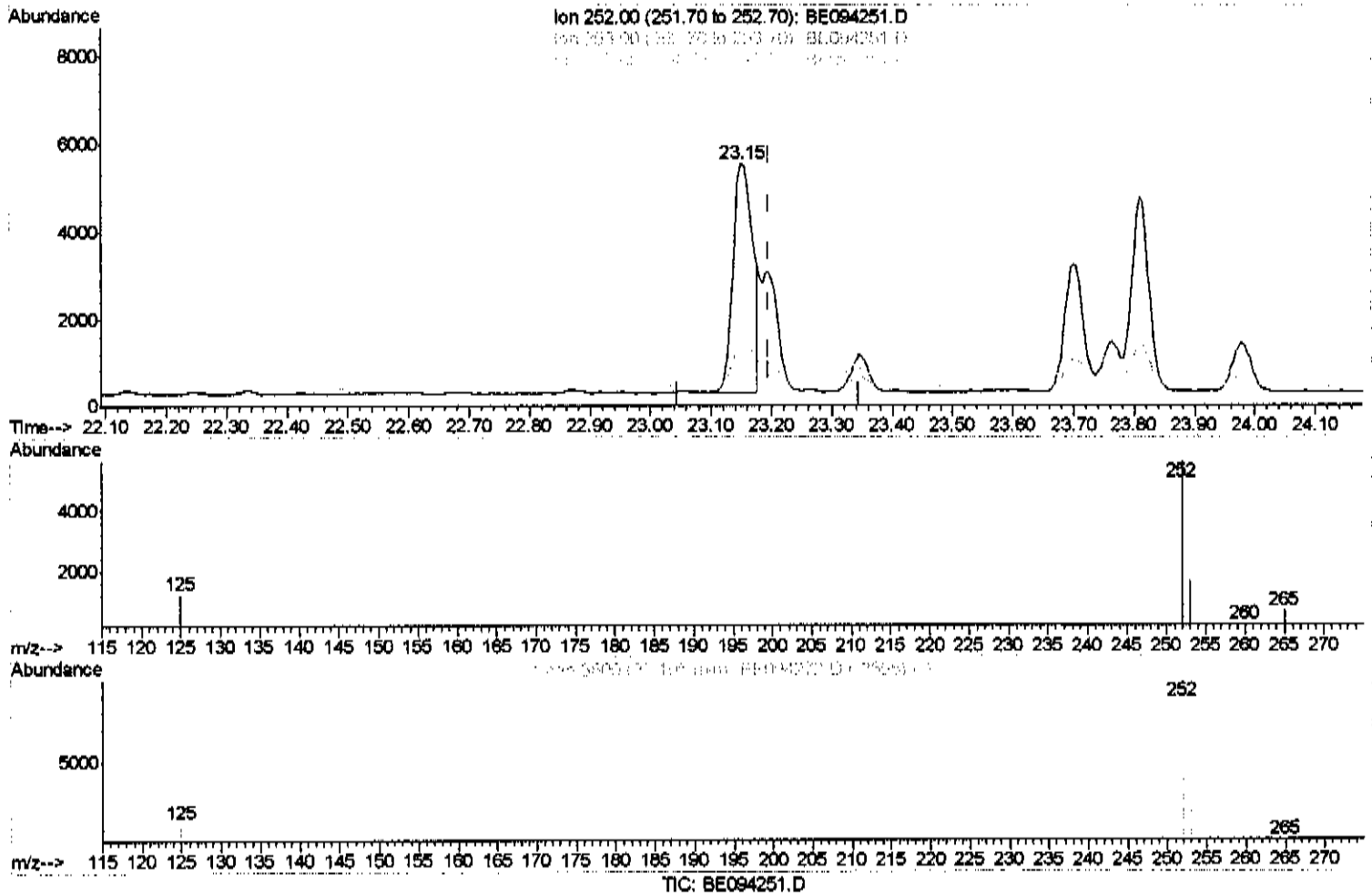
Data Path : Z:\HPCHEM1\BNA_E\Data\BE101017\
 Data File : BE094251.D
 Acq On : 10 Oct 2017 13:03
 Operator : SJ/JU
 Sample : I5522-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampled :
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(22) Benzo(k)fluoranthene
 23.149min (-0.046) 0.38ng/ui
 response 12092

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	29.16
125.00	17.10	22.47#
0.00	0.00	0.00

Quantitation Report (Qedit)

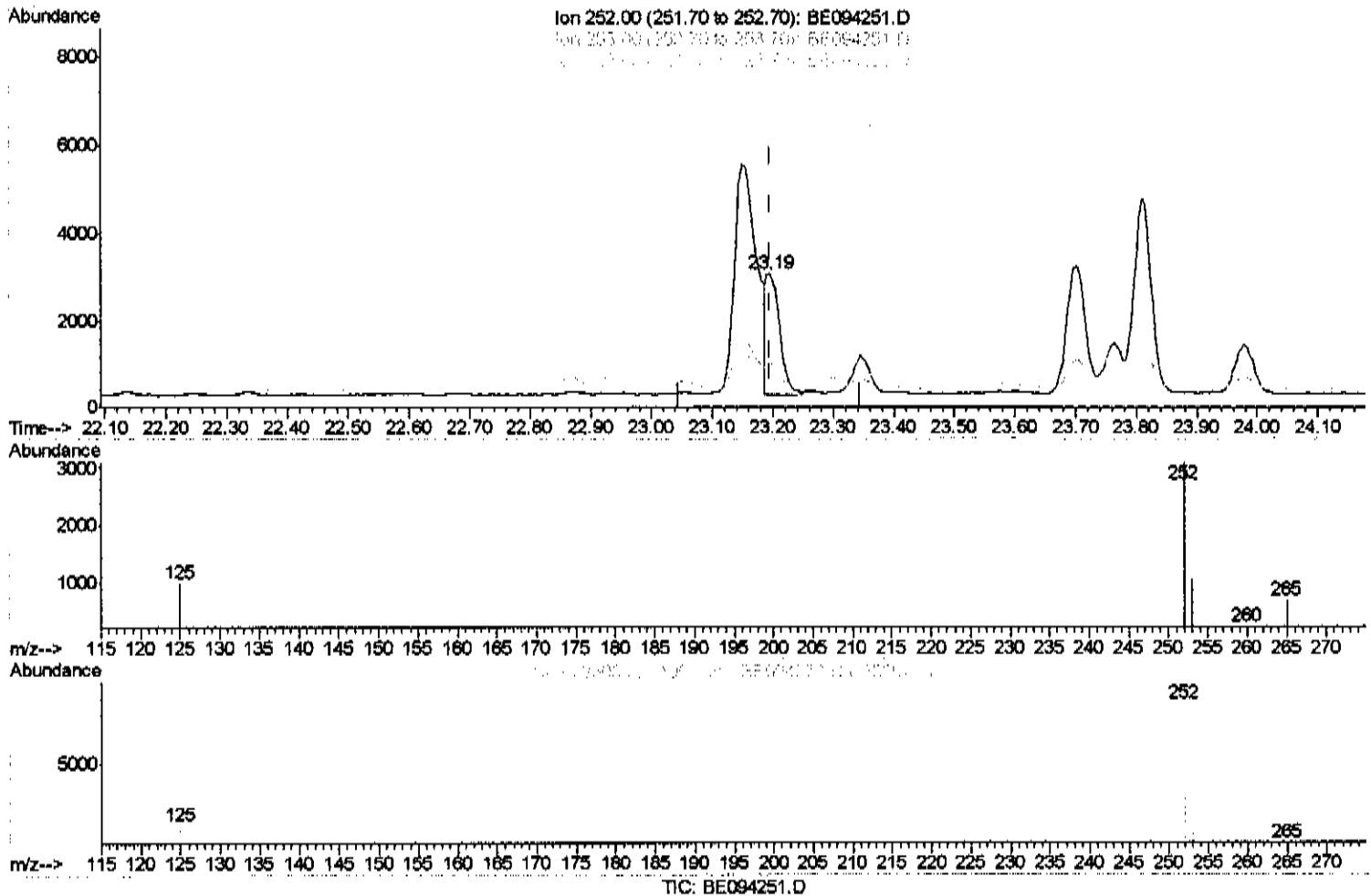
Data Path : Z:\HPCHEM1\BNA_E\Data\BE101017\
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 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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(22) Benzo(k)fluoranthene

23.194min (-0.001) 0.14ng/ul m

response 4460

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	33.84
125.00	17.10	32.25#
0.00	0.00	0.00

Quantitation Report (Qedit)

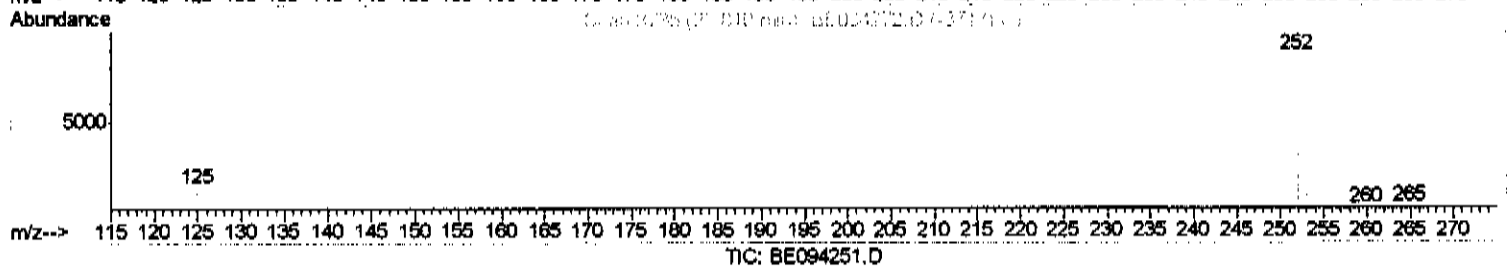
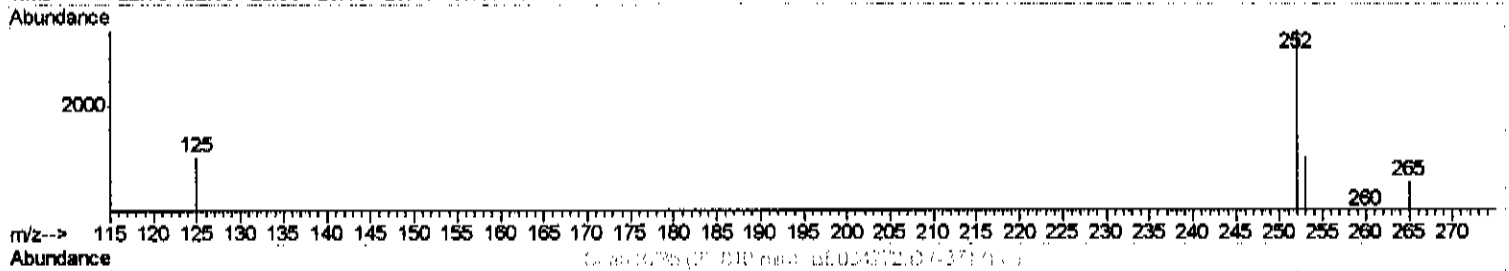
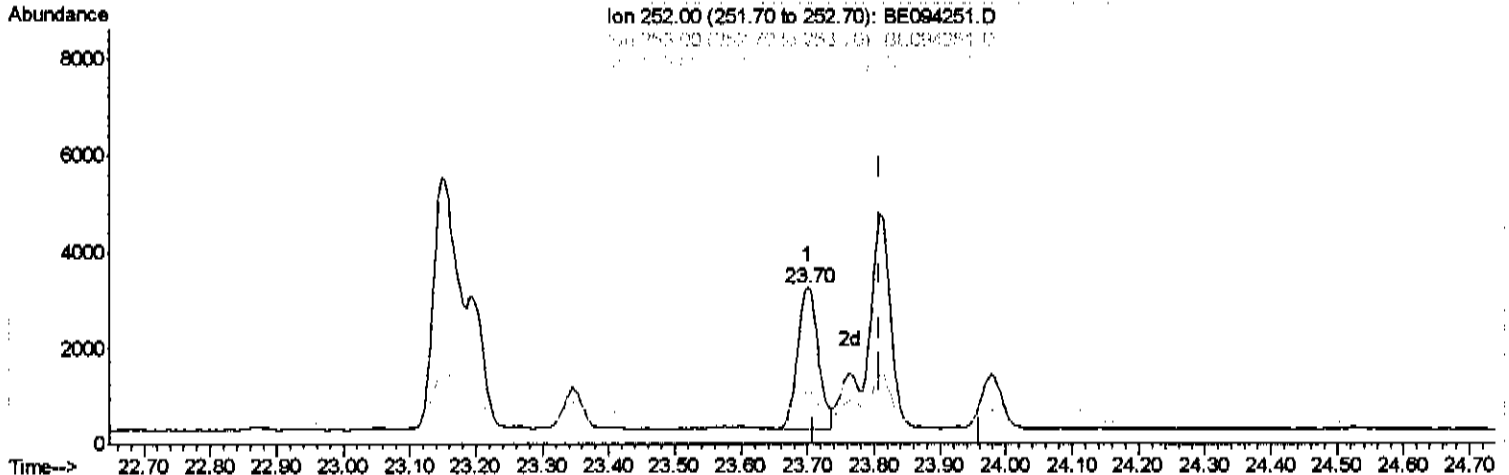
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(23) Benzo(a)pyrene (C)
 23.700min (-0.110) 0.23ng/ul
 response 6507

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	34.31
125.00	22.60	34.40%
0.00	0.00	0.00

Quantitation Report (Qedit)

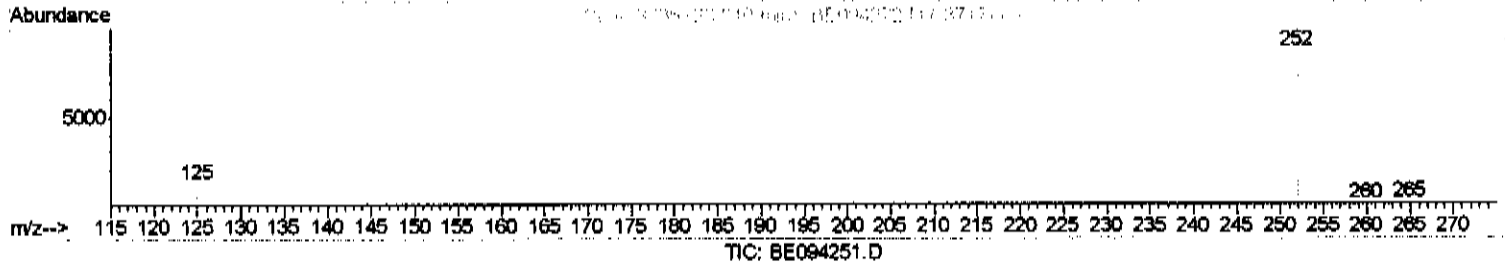
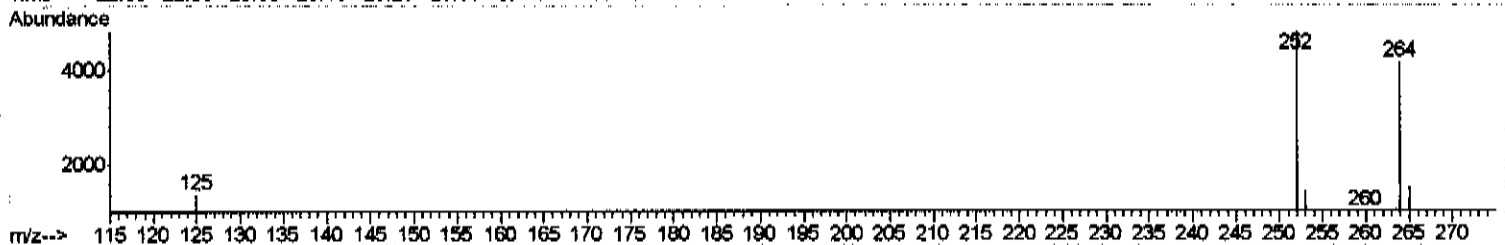
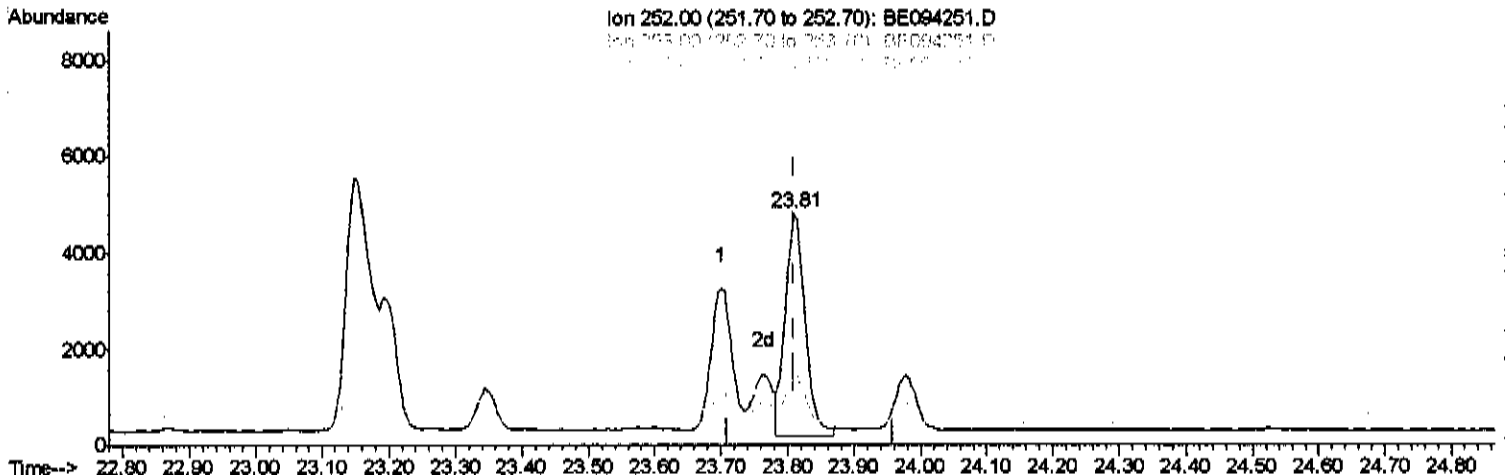
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 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampled :
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Manual Integrations
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Sohil
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(23) Benzo(a)pyrene (C)

23.809min (-0.001) 0.33ng/ul m

response 9579

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	29.93
125.00	22.60	28.49#
0.00	0.00	0.00

Quantitation Report (Qedit)

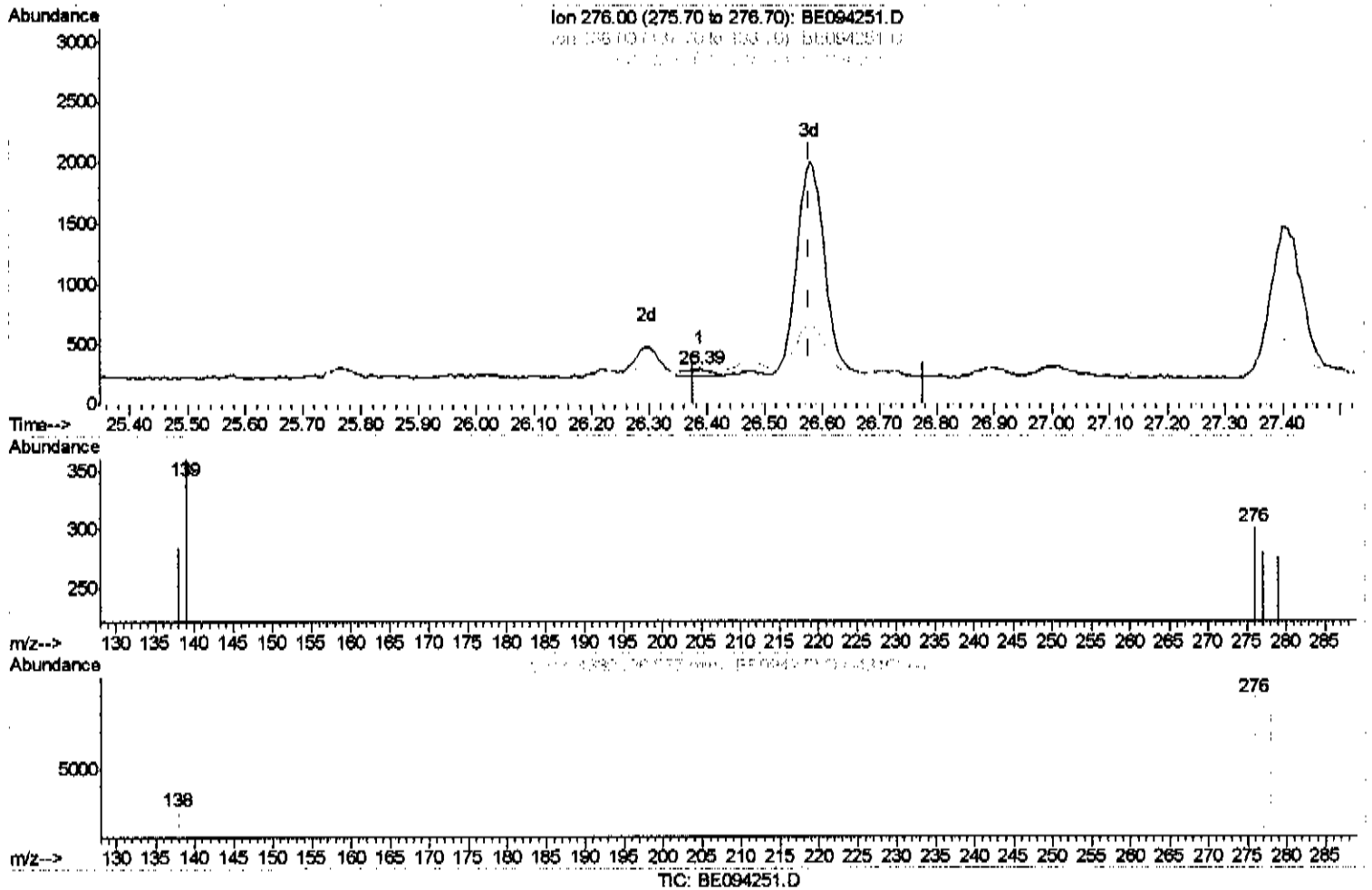
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(24) Indeno(1,2,3-cd)pyrene

26.387min (-0.190) 0.00ng/ul

response 147

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

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Manual Integrations
APPROVED

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10/11/2017 7:19:39 PM

The figure displays three plots related to the analysis of compound 1. The top plot is a Total Ion Chromatogram (TIC) for ion 276.00, showing abundance versus time. It features three labeled peaks: 2d at 26.30 minutes, 1 at 26.40 minutes, and 3d at 26.58 minutes. The middle plot is a mass spectrum of peak 1, showing abundance versus m/z, with major peaks at 138 and 276. The bottom plot is a mass spectrum of peak 3d, also showing abundance versus m/z, with major peaks at 138 and 276.

26.578min (+0.001) 0.20ng/ul m

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

Quantitation Report (Qedit)

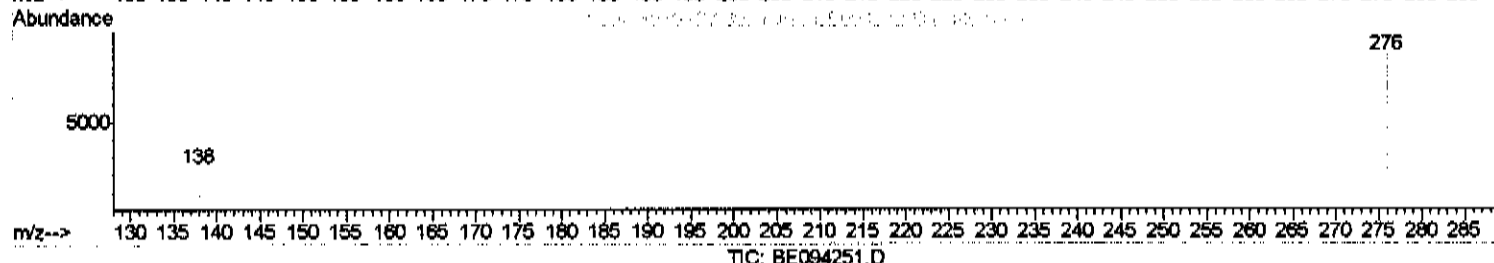
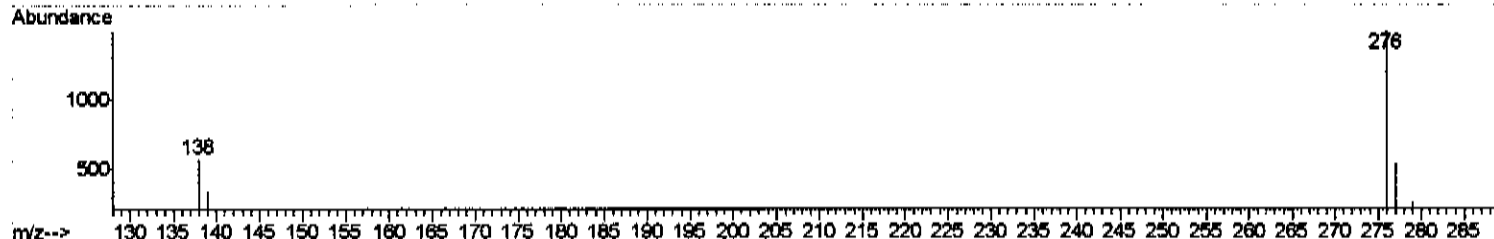
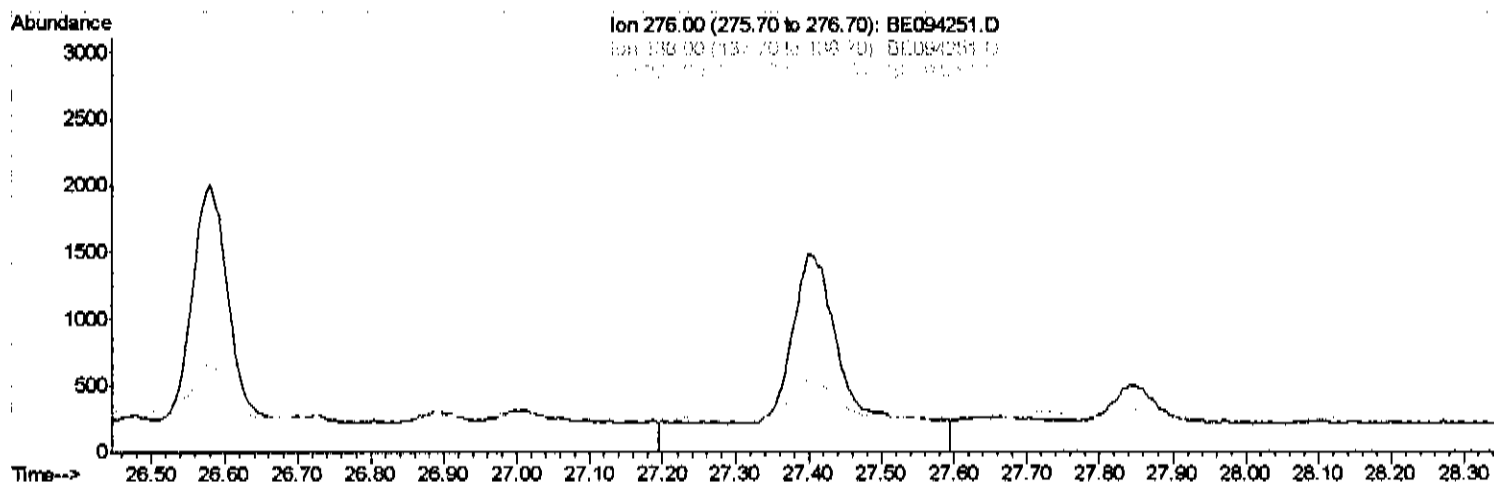
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(26) Benzo(g,h,i)perylene

27.397min (-27.397) 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

Quantitation Report (Qedit)

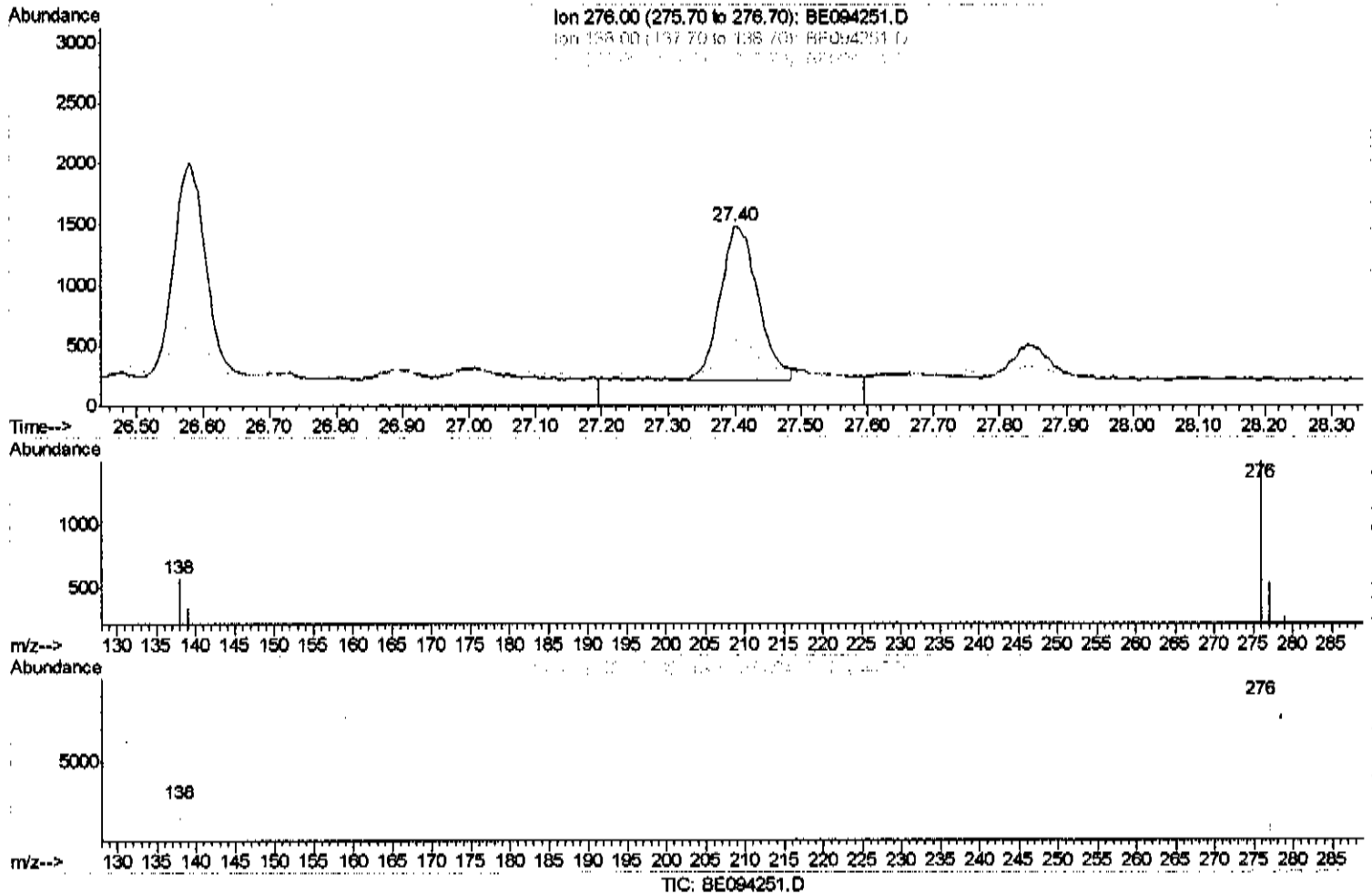
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(26) Benzo(g,h,i)perylene

27.399min (+0.001) 0.20ng/ul

response 5102

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	38.48#
277.00	25.60	36.12#
0.00	0.00	0.00

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1723	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	9092	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	5441	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.24	188	11635m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	11470	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	10216m	0.40	ng/ul	0.00

ju 10/11/17

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.28	152	3734	0.26	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	9208	0.24	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.74	128	2361	0.106	ng/ul#	94
5) 2-Methylnaphthalene	12.35	142	491	0.034	ng/ul	99
12) Phenanthrene	17.29	178	6532	0.215	ng/ul#	93
15) Fluoranthene	19.30	202	18891	0.473	ng/ul	83
17) Pyrene	19.66	202	17936	0.562	ng/ul#	83
18) Benzo(a)anthracene	21.39	228	9028	0.297	ng/ul#	90
19) Chrysene	21.45	228	10309	0.293	ng/ul	93
21) Benzo(b)fluoranthene	23.15	252	13658m	0.492	ng/ul	}
22) Benzo(k)fluoranthene	23.19	252	4460m	0.139	ng/ul	
23) Benzo(a)pyrene	23.81	252	9579m	0.332	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.58	276	6030m	0.204	ng/ul	
26) Benzo(g,h,i)perylene	27.40	276	5102m	0.201	ng/ul	

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