

Instrument :
BNA_E
ClientSampleId :
C0AC8

Manual Integrations
APPROVED

Sohil
10/16/2017 8:25:22 PM

Chromatogram showing abundance versus time (minutes) for various polycyclic aromatic hydrocarbons (PAHs). The x-axis ranges from 4.00 to 28.00 minutes, and the y-axis ranges from 0 to 560,000 abundance. Major peaks are labeled with their chemical names and retention times.

Retention Time (min)	Chemical Name	Approximate Abundance
7.8	1,4-Dichlorobenzene-d4, I	80,000
10.5	Naphthalene-d8, I	20,000
12.5	2-Methylnaphthalene-d10, SURR	10,000
14.0	Acenaphthylene	250,000
14.2	Acenaphthene-10, I	280,000
15.5	Fluorene	10,000
17.5	Fluorene-d10, I	270,000
19.5	Fluorene-d10, SURR	200,000
20.0	Fluoranthene, C	480,000
21.5	Chrysene	100,000
23.5	Benzo(b)fluoranthene	100,000
24.0	Pyrene-d12, I	280,000
26.5	Dibenz(a,h)pyrene	40,000
27.5	Benzo(g,h,i)perylene	20,000

Quantitation Report (Qedit)

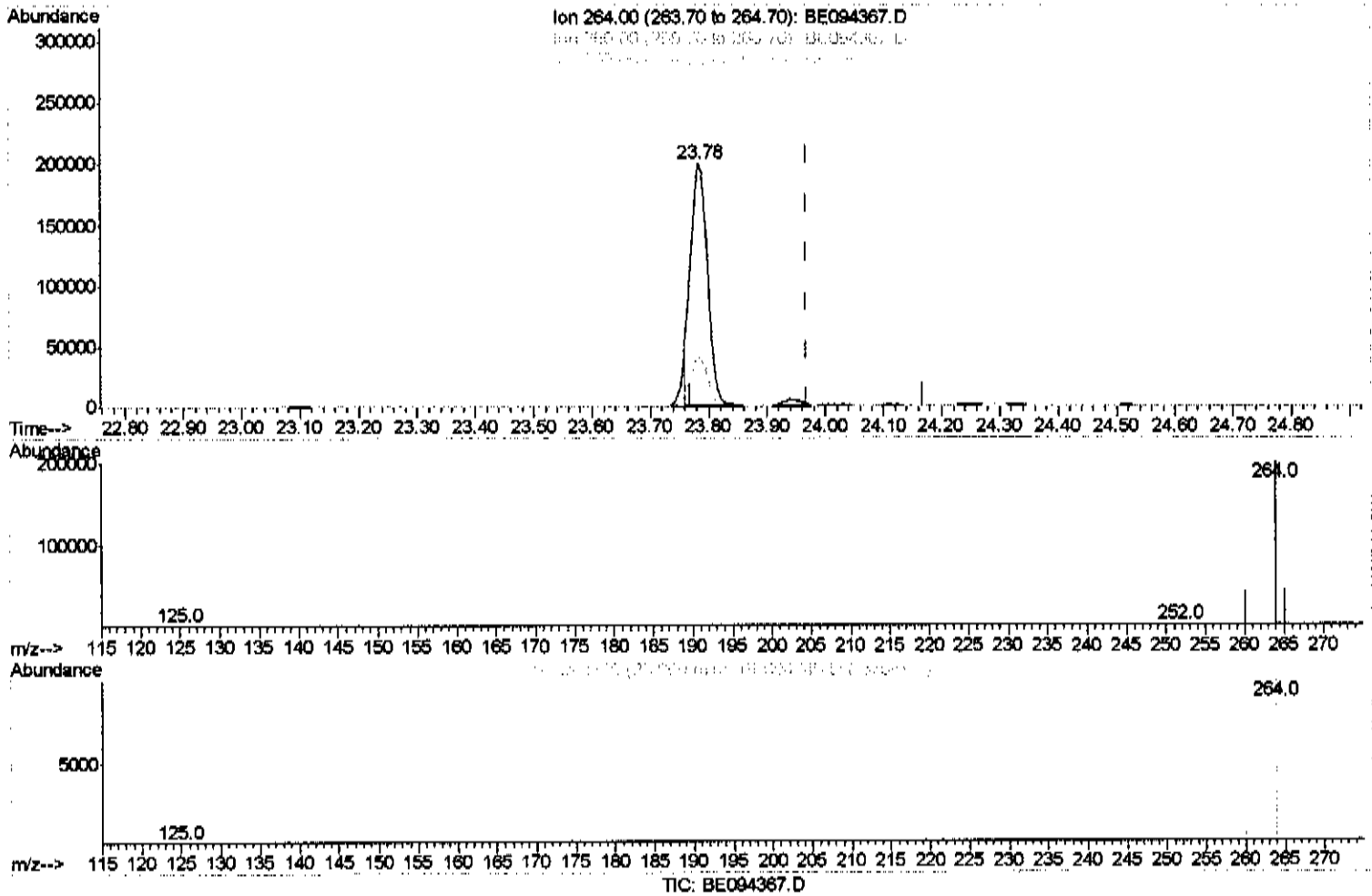
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 Data File : BE094367.D
 Acq On : 14 Oct 2017 22:27
 Operator : SJ/JU
 Sample : I5548-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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Quant Time: Oct 15 01:10:32 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 14 05:22:31 2017
 Response via : Initial Calibration



(20) Perylene-d12 (I)

23.783min (-0.186) 0.40ng/ui

response 389839

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.88%
265.00	103.50	21.72%
0.00	0.00	0.00

Quantitation Report (Qedit)

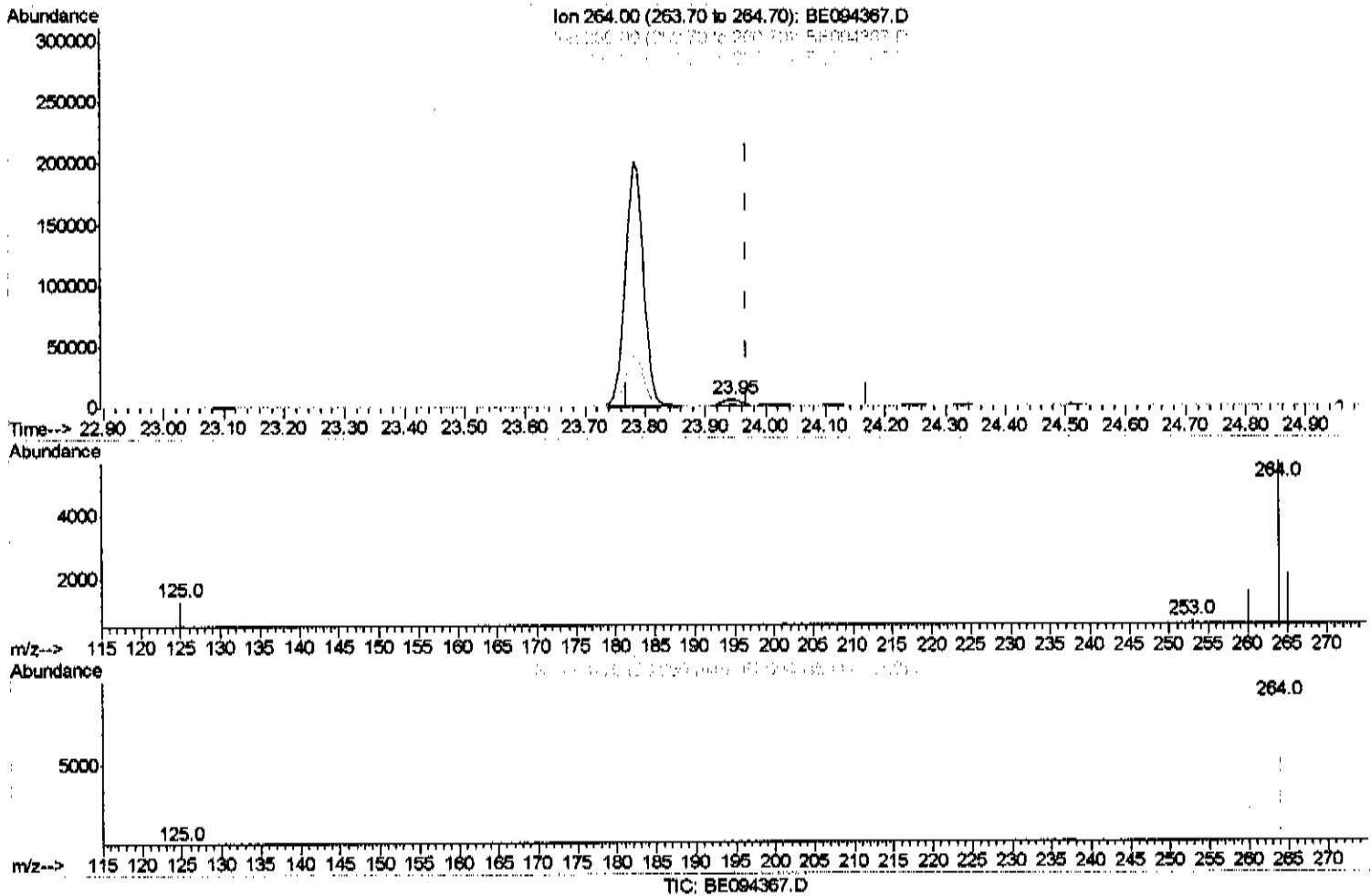
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(20) Perylene-d12 (I)

23.947min (-0.023) 0.40ng/ul m

response 10696

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	28.41
265.00	103.50	37.00#
0.00	0.00	0.00

SJ 10/16/17

Quantitation Report (Qedit)

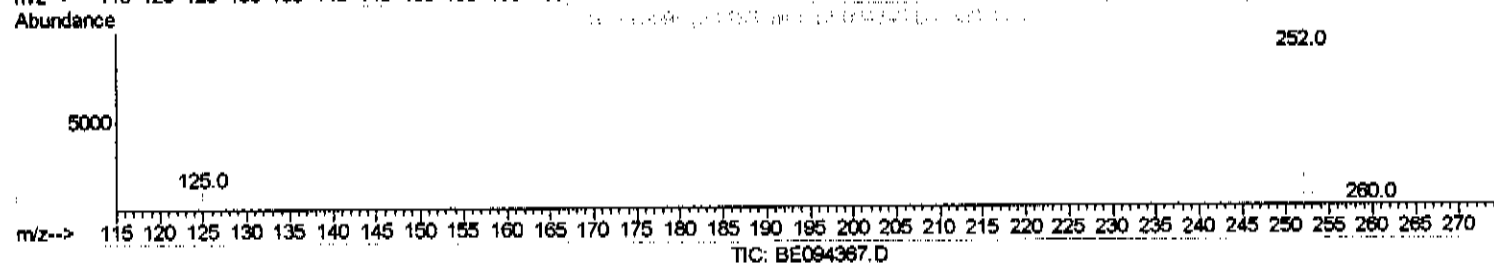
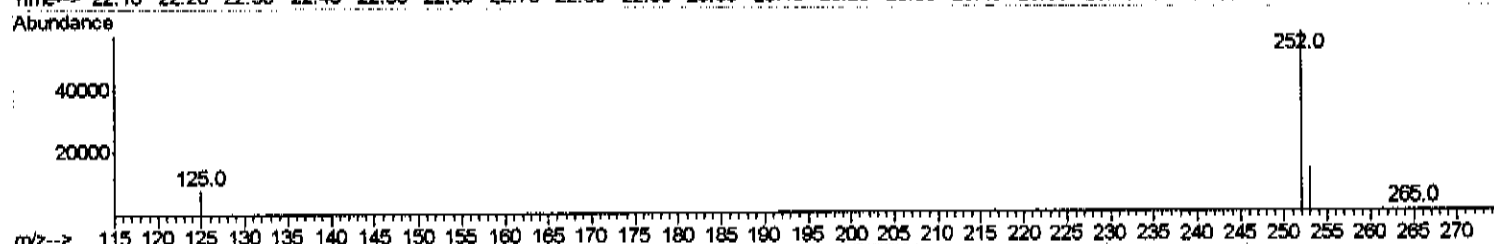
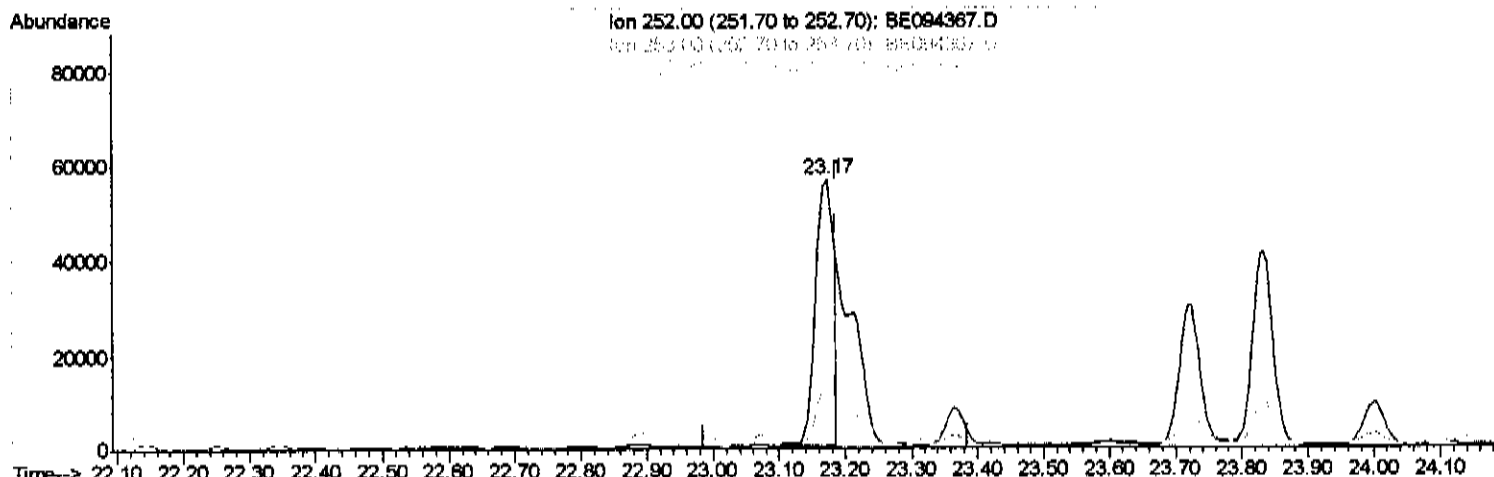
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Quant Time: Oct 15 02:37:23 2017
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(21) Benzo(b)fluoranthene
 23.172min (-0.013) 3.85ng/ul
 response 111908

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.52
125.00	17.50	13.67
0.00	0.00	0.00

Quantitation Report (Qedit)

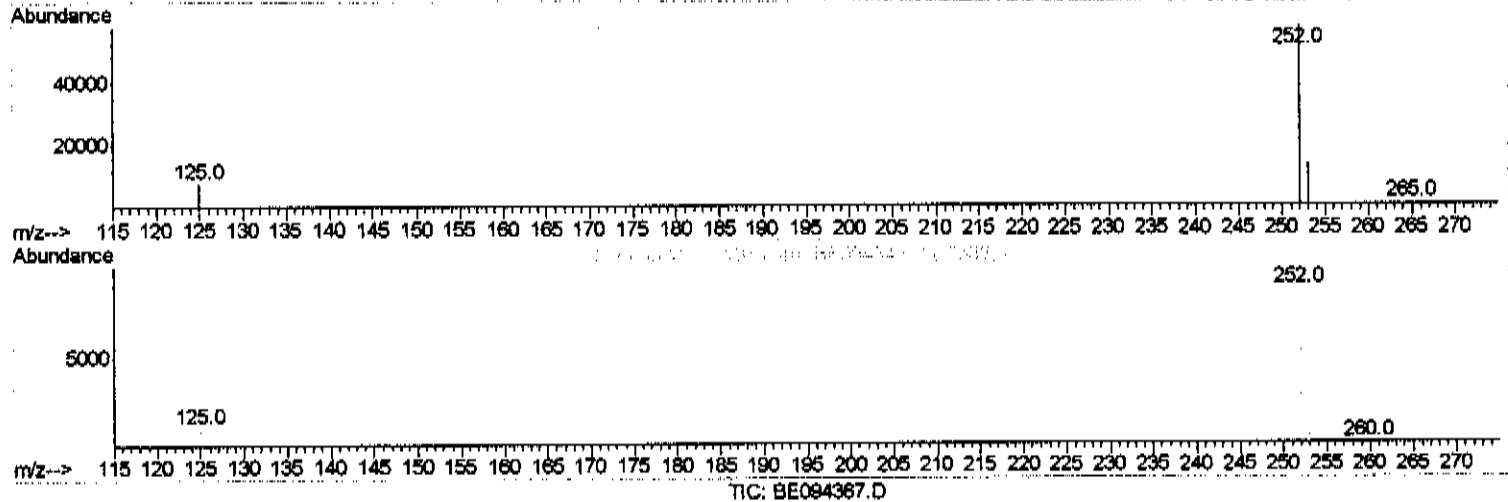
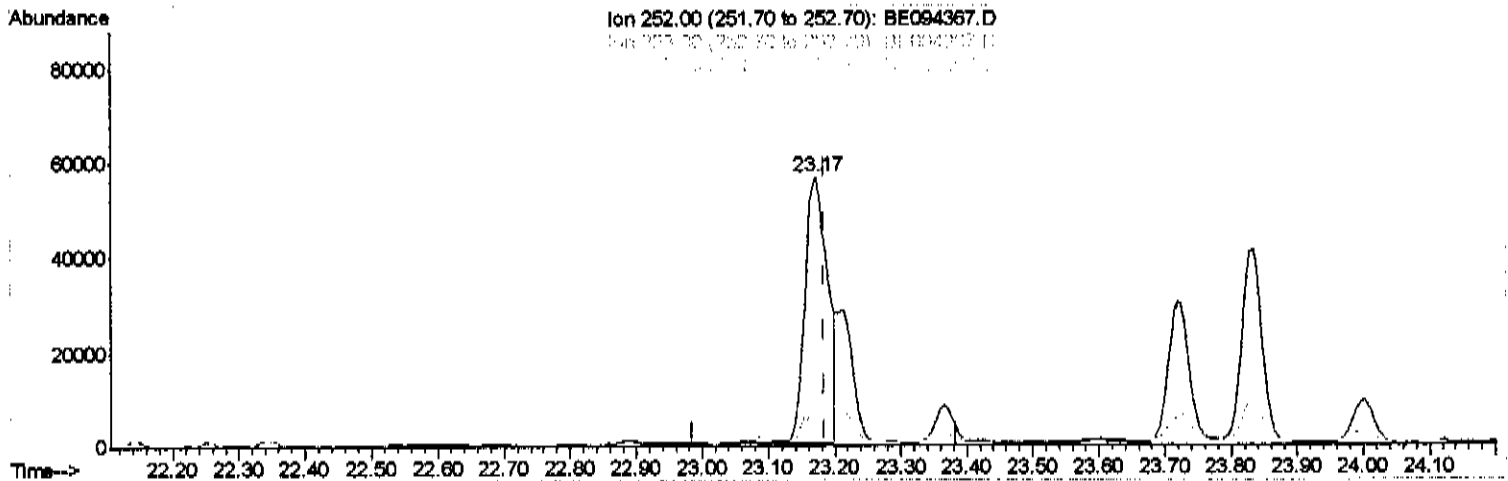
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(21) Benzo(b)fluoranthene

23.172min (-0.013) 4.74ng/ui m

response 137856

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.52
125.00	17.50	13.67
0.00	0.00	0.00

Quantitation Report (Qedit)

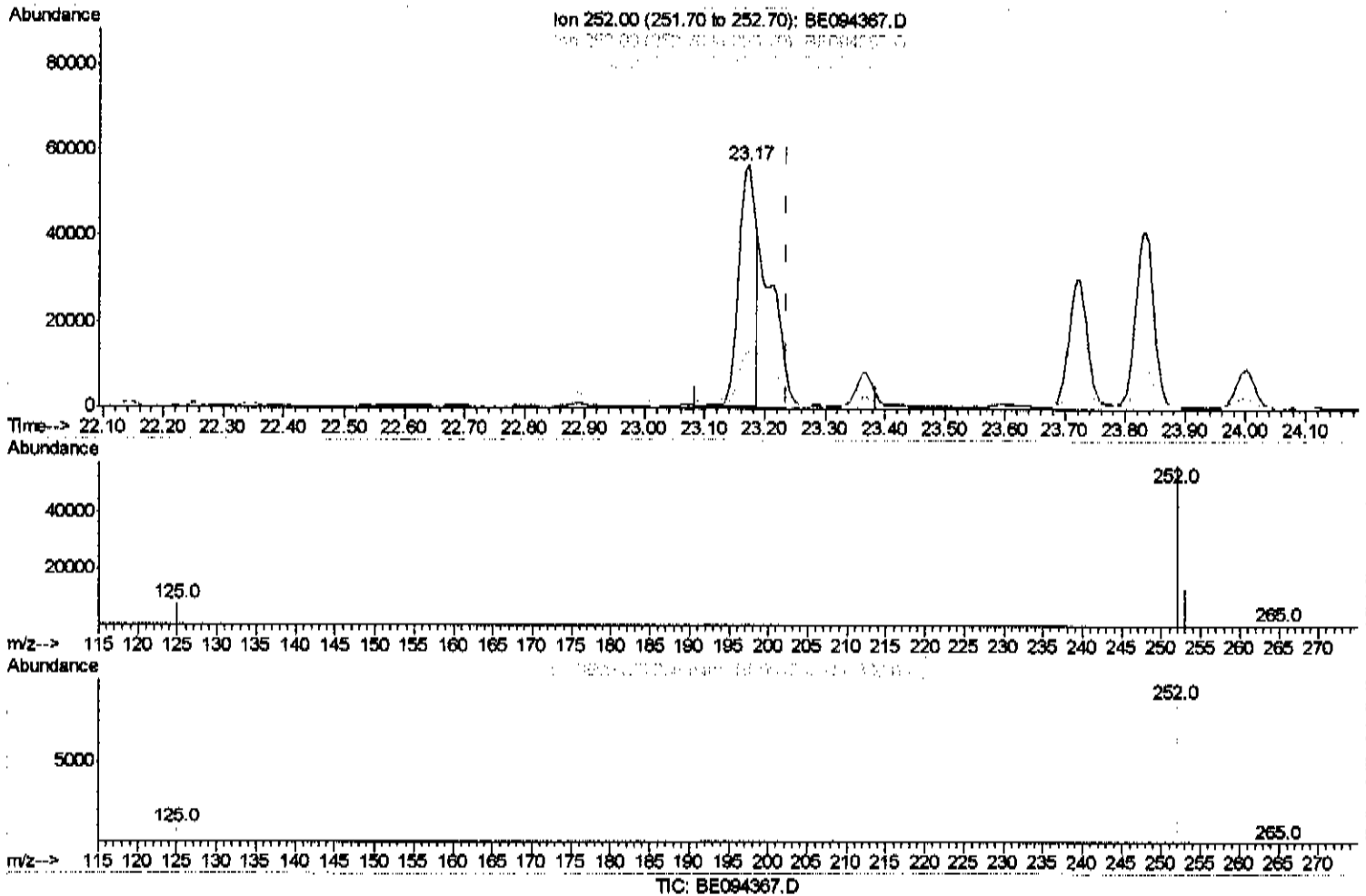
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(22) Benzo(k)fluoranthene
 23.172min (-0.064) 3.33ng/ui
 response 111908

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.52#
125.00	17.10	13.67#
0.00	0.00	0.00

Quantitation Report (Qedit)

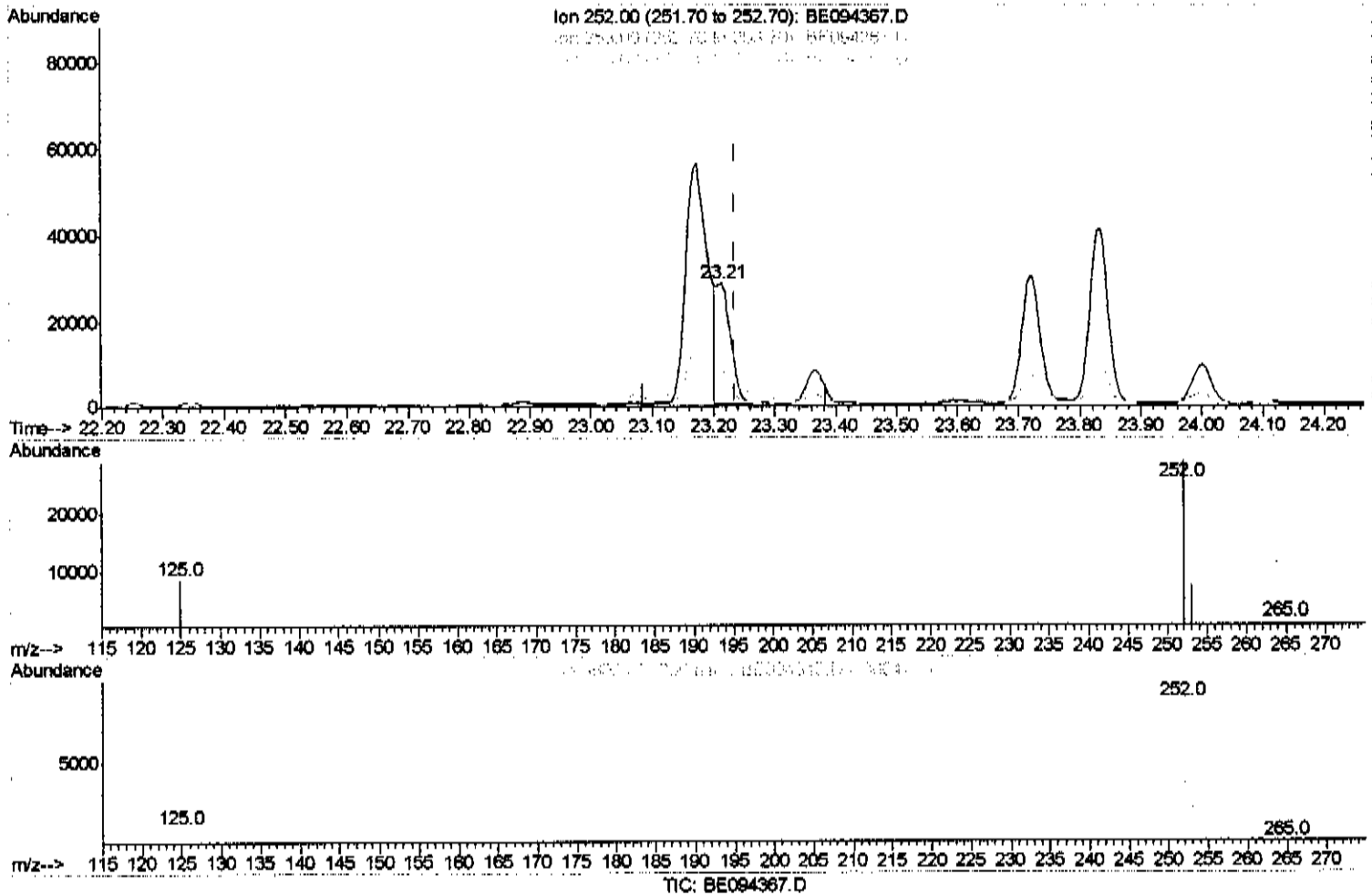
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(22) Benzo(k)fluoranthene

23.213min (-0.023) 1.41ng/ul m

response 47375

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	25.21
125.00	17.10	29.10*
0.00	0.00	0.00

Quantitation Report (Qedit)

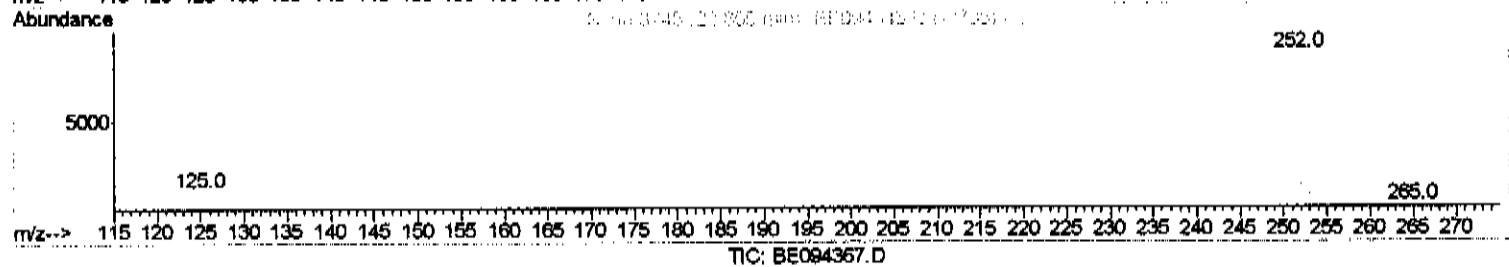
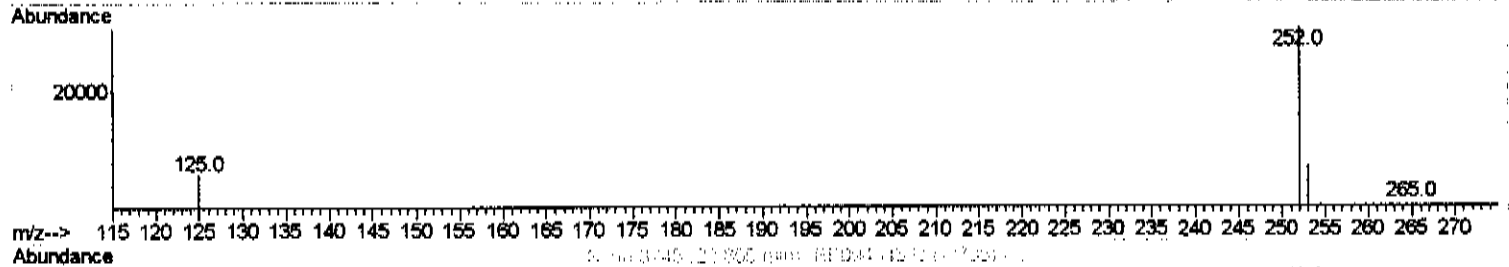
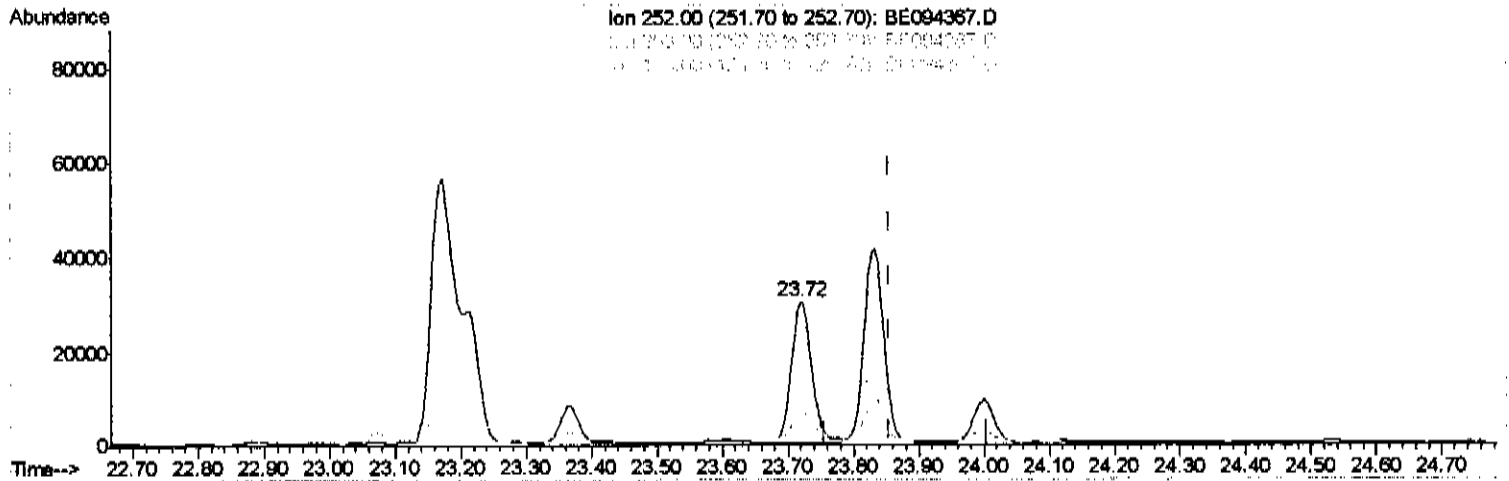
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 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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(23) Benzo(a)pyrene (C)

23.719min (-0.136) 2.15ng/ul

response 64843

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	23.79%
125.00	22.60	19.28
0.00	0.00	0.00

Quantitation Report (Qedit)

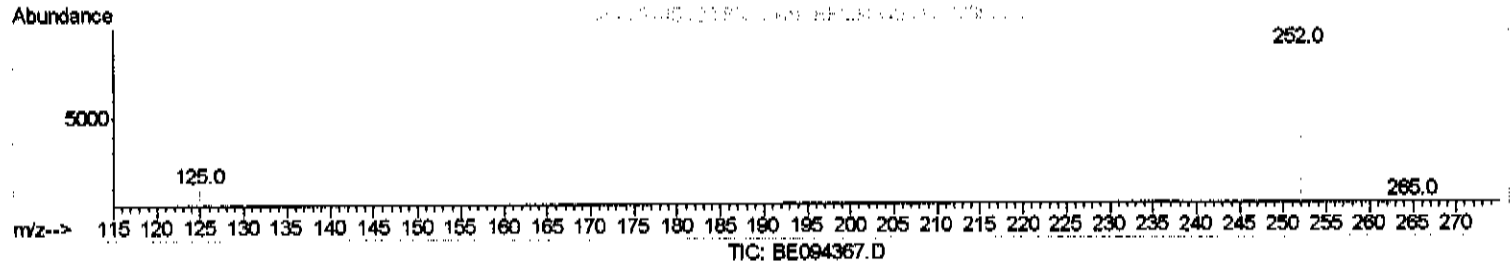
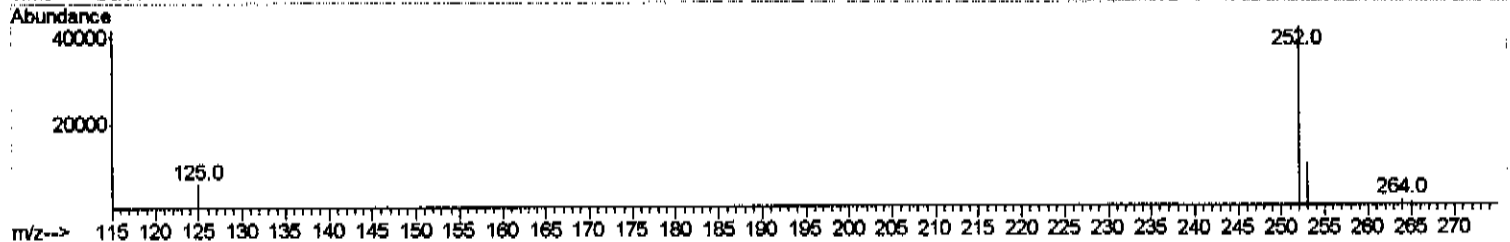
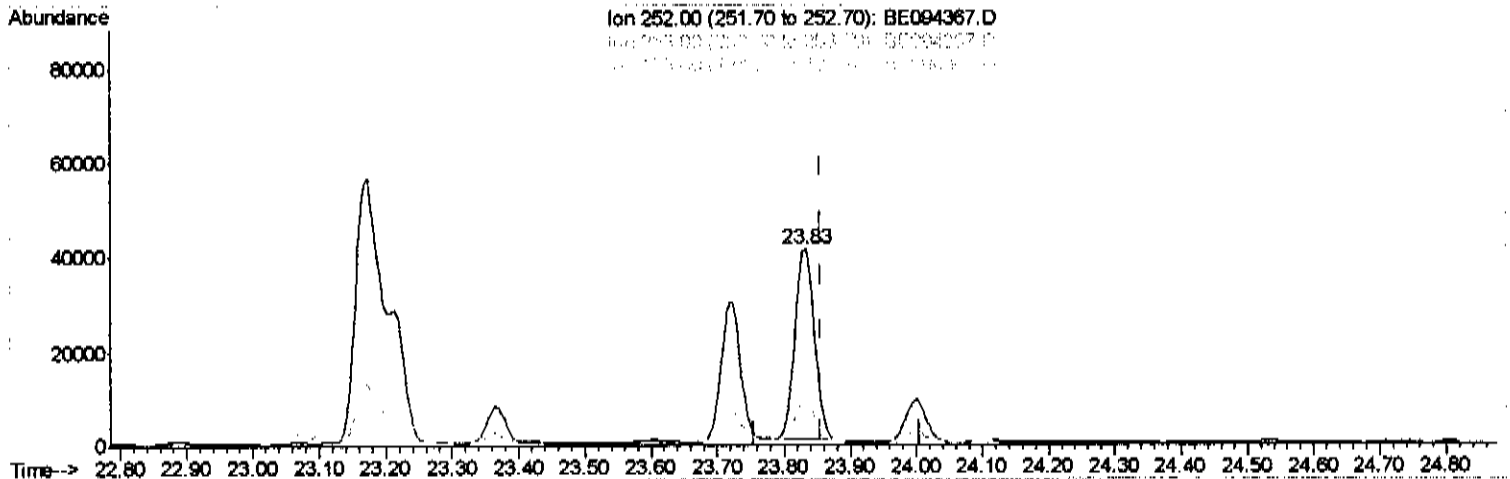
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(23) Benzo(a)pyrene (C)

23.833min (-0.023) 2.79ng/ul m

response 84374

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	24.24#
125.00	22.60	14.71#
0.00	0.00	0.00

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Quantitation Report (Qedit)

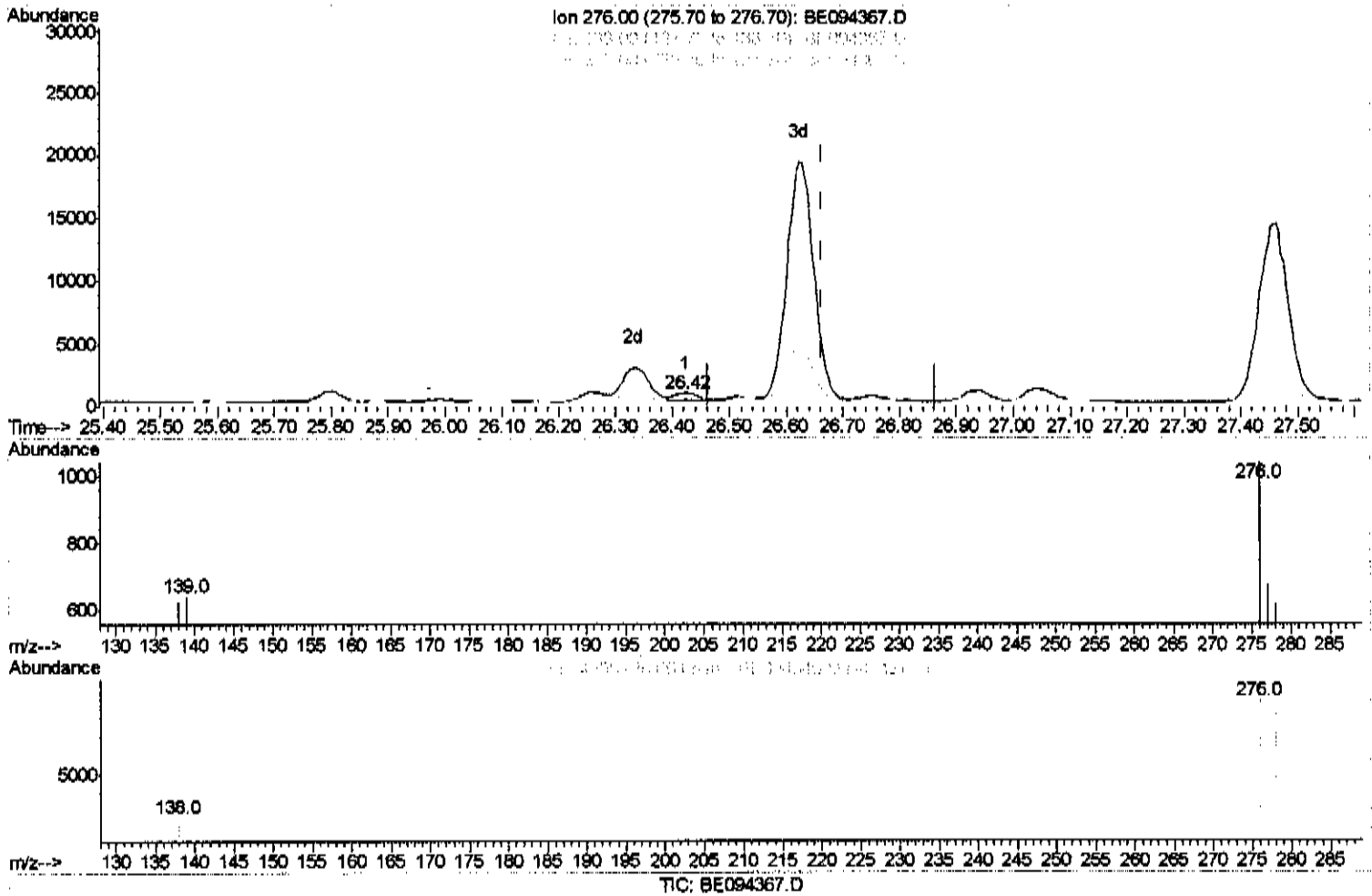
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(24) Indeno(1,2,3-cd)pyrene

26.422min (-0.241) 0.05ng/ul

response 1557

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)

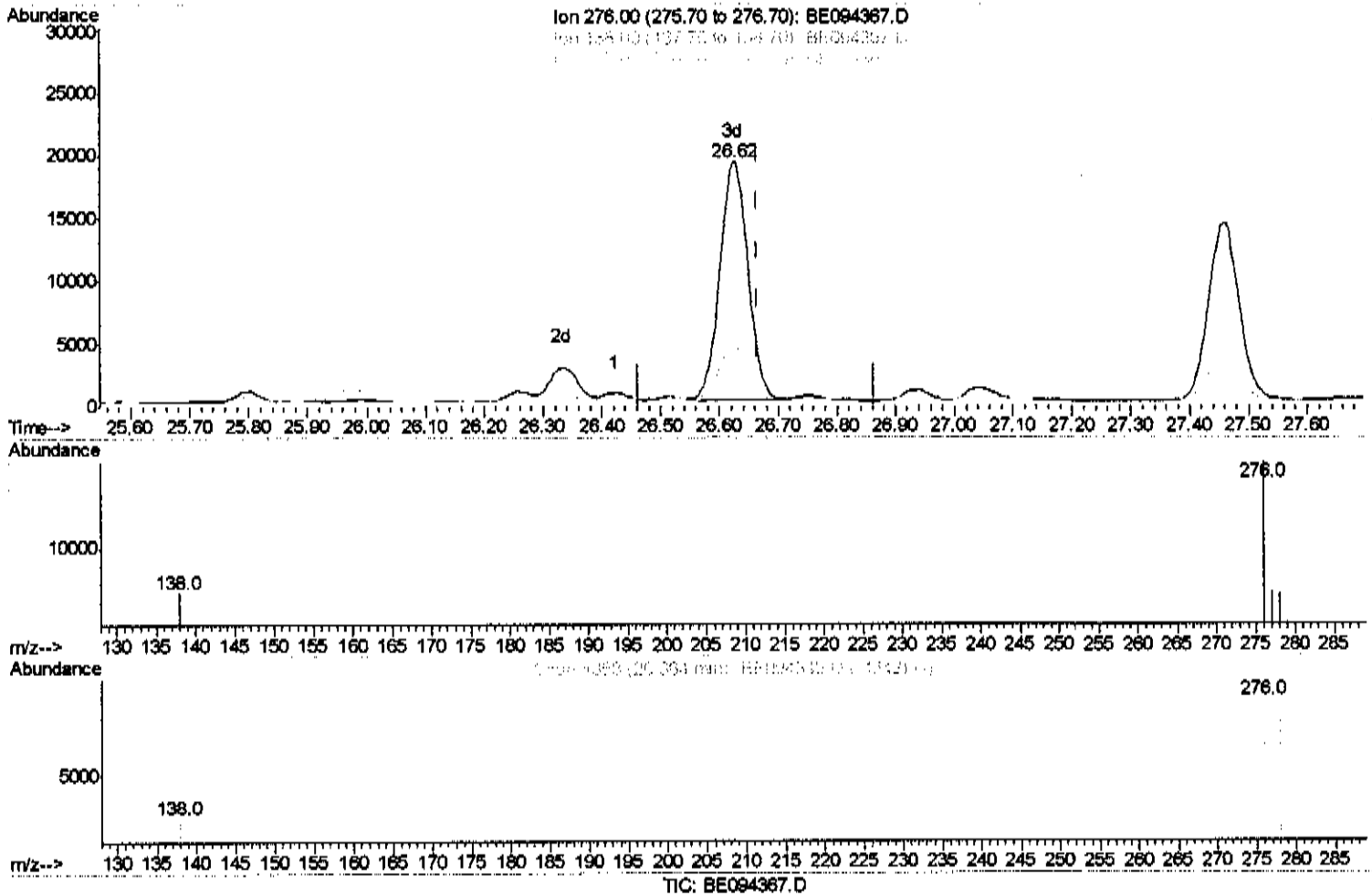
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 Sample : I5548-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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

26.623min (-0.041) 2.03ng/ul m

response 62714

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)

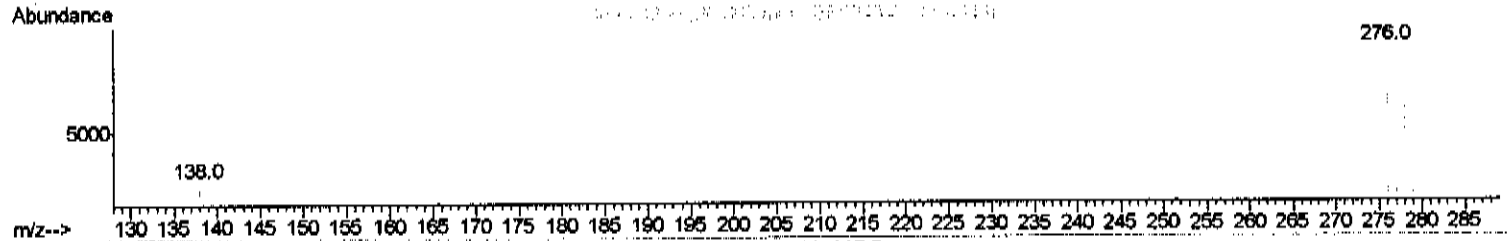
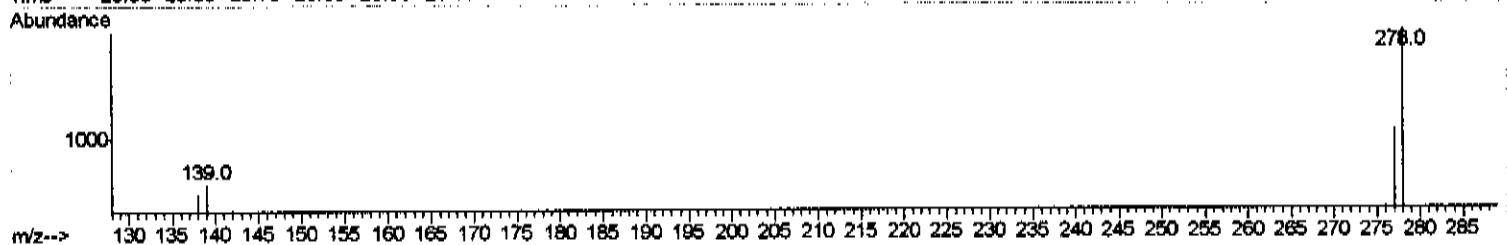
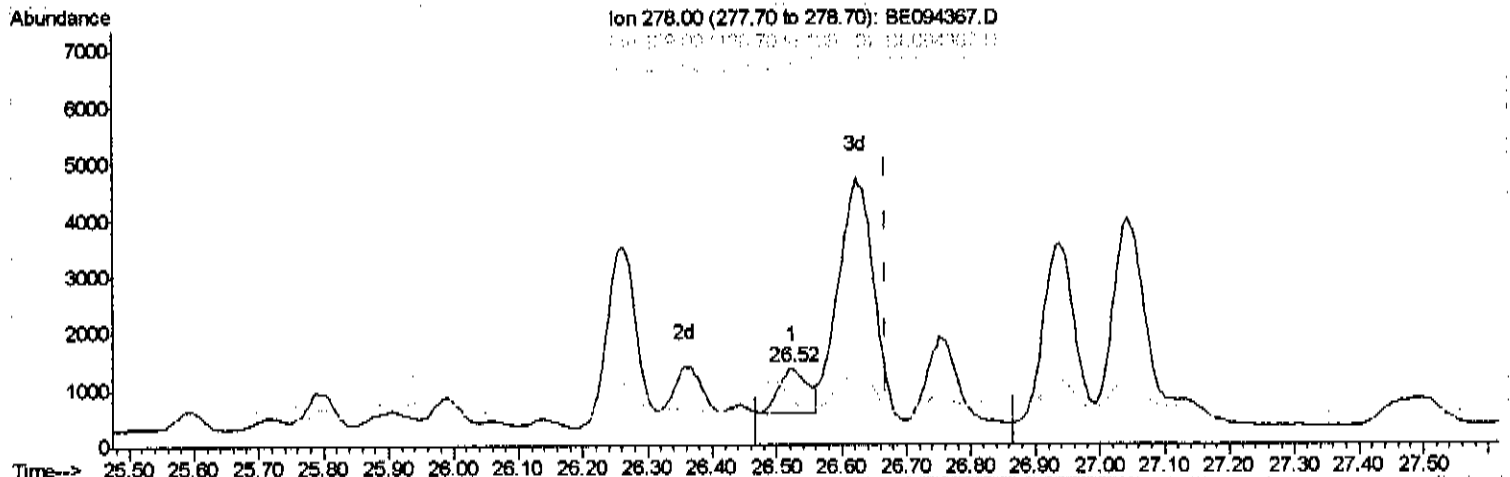
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TIC: BE094367.D

(25) Dibenzo(a,h)anthracene

26.523min (-0.146) 0.10ng/ul

response 2480

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	61.75#
279.00	32.40	54.85#
0.00	0.00	0.00

Quantitation Report (Qedit)

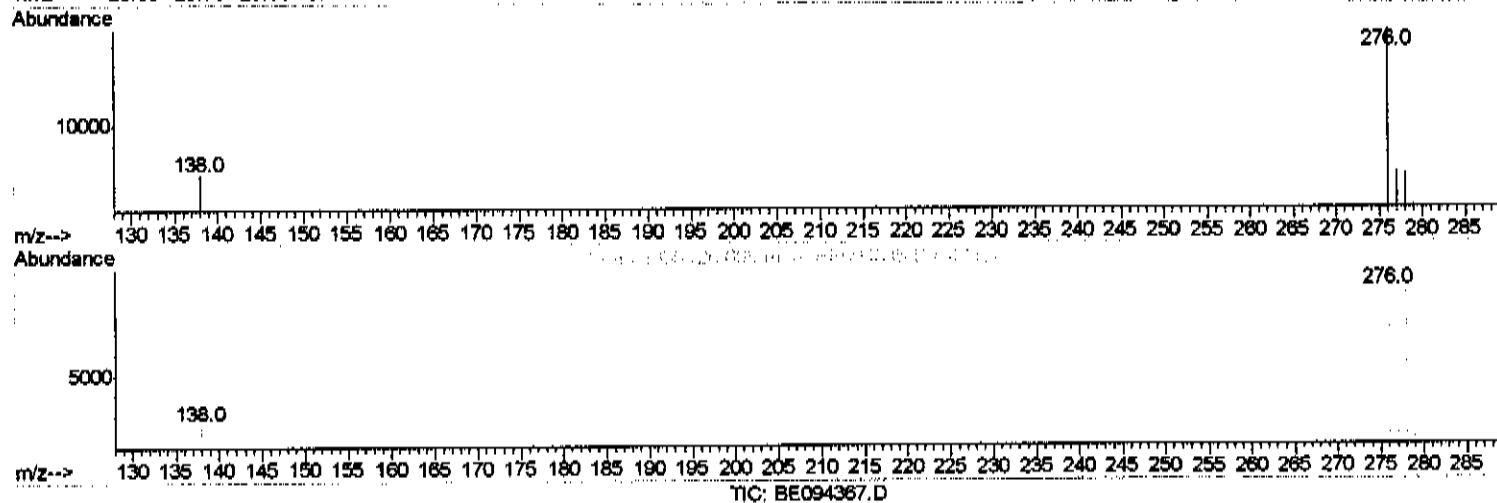
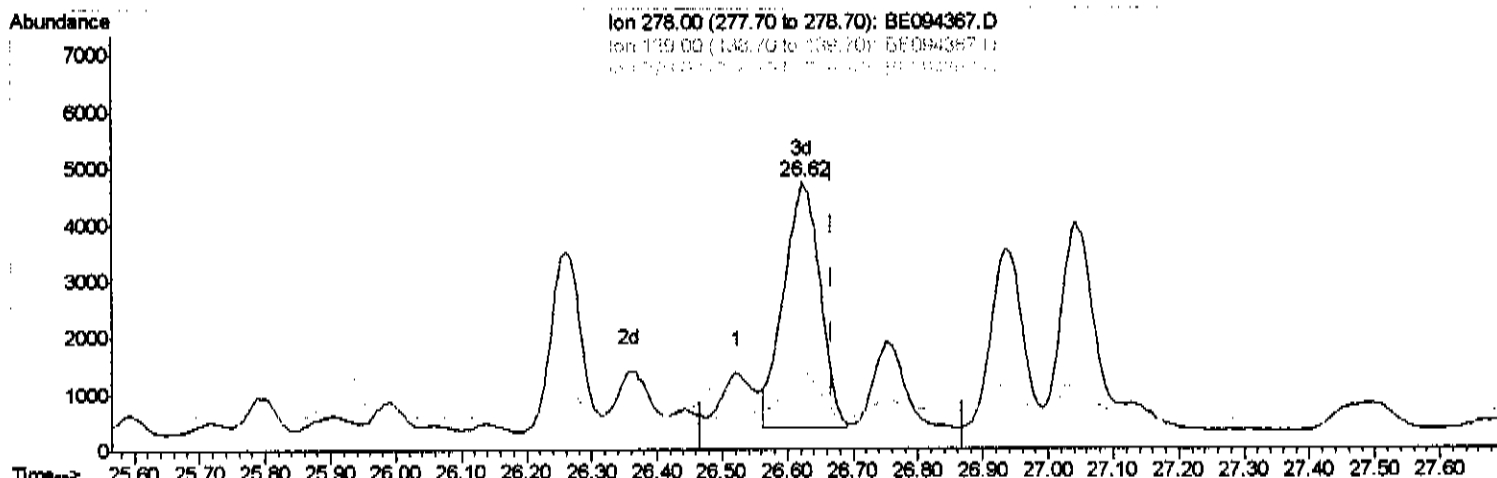
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(25) Dibenzo(a,h)anthracene

26.623min (-0.045) 0.65ng/ul m

response 16780

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	28.57#
279.00	32.40	32.83
0.00	0.00	0.00

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Quantitation Report (Qedit)

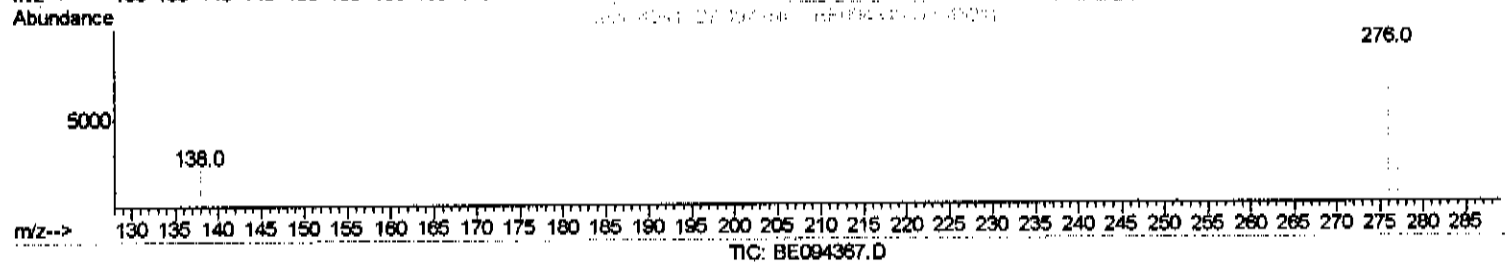
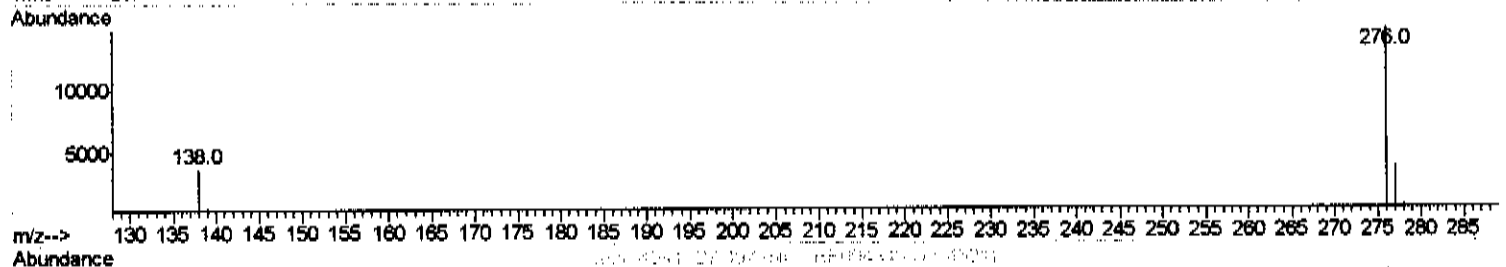
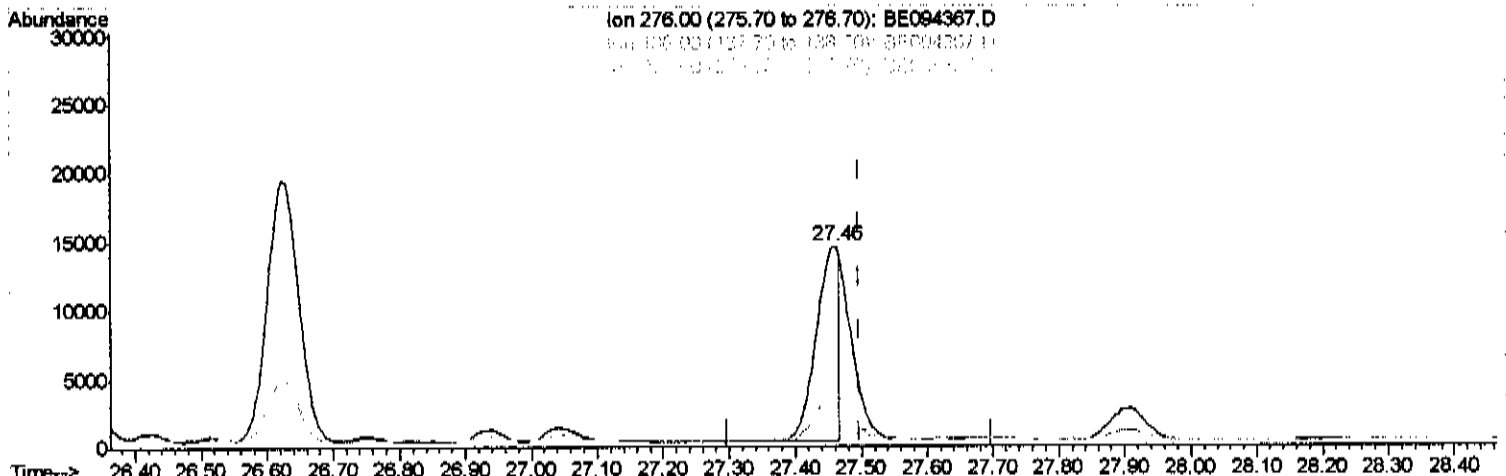
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(26) Benzo(g,h,i)perylene
 27.481min (-0.036) 1.28ng/ul
 response 34135

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	25.92
277.00	25.60	25.90
0.00	0.00	0.00

Quantitation Report (Qedit)

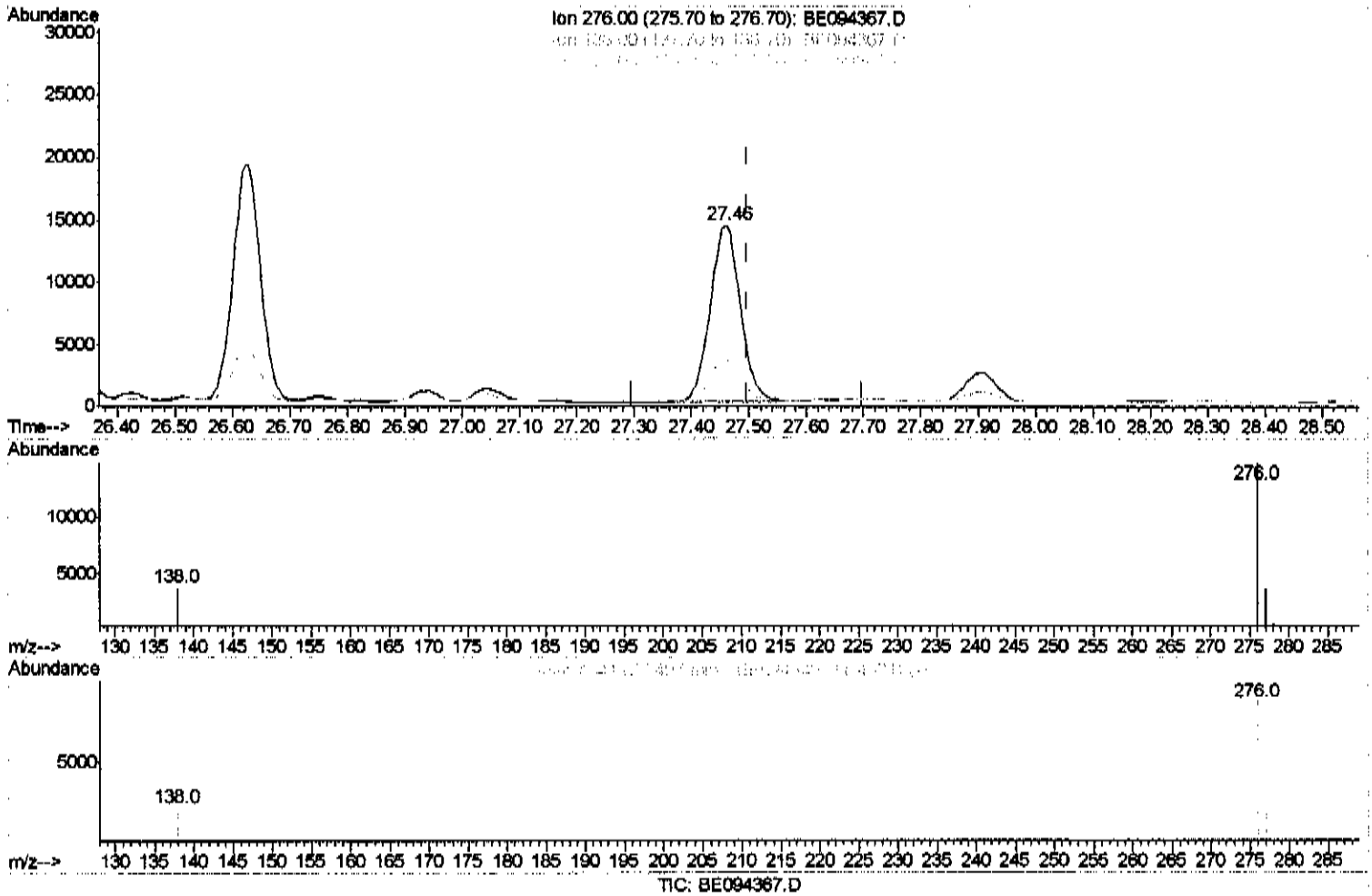
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(26) Benzo(g,h,i)perylene

27.461min (-0.036) 1.97ng/ul m

response 52540

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	25.92
277.00	25.60	25.90
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	1521	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.70	136	8033	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.52	164	5157	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	11694	0.40	ng/ul	-0.02
16) Chrysene-d12	21.42	240	11934	0.40	ng/ul	-0.02
20) Perylene-d12	23.95	264	10696m	0.40	ng/ul	-0.02

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System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.28	152	2289	0.18	ng/ul	-0.01
14) Fluoranthene-d10	19.28	212	6359	0.16	ng/ul	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.74	128	4842	0.246	ng/ul#	94
5) 2-Methylnaphthalene	12.35	142	3210	0.251	ng/ul	97
7) Acenaphthylene	14.24	152	4113	0.205	ng/ul	97
8) Acenaphthene	14.58	153	3185	0.192	ng/ul	98
9) Fluorene	15.57	166	3525	0.182	ng/ul	92
12) Phenanthrene	17.29	178	105330	3.447	ng/ul#	88
13) Anthracene	17.38	178	16121	0.542	ng/ul#	90
15) Fluoranthene	19.31	202	222047	5.530	ng/ul	84
17) Pyrene	19.67	202	194985	5.872	ng/ul#	79
18) Benzo(a)anthracene	21.40	228	93559	2.955	ng/ul#	86
19) Chrysene	21.46	228	111890	3.060	ng/ul	99
21) Benzo(b)fluoranthene	23.17	252	137856m	4.745	ng/ul	JU 10/16/17
22) Benzo(k)fluoranthene	23.21	252	47375m	1.411	ng/ul	
23) Benzo(a)pyrene	23.83	252	84374m	2.795	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.62	276	62714m	2.030	ng/ul	
25) Dibenzo(a,h)anthracene	26.62	278	16780m	0.648	ng/ul	
26) Benzo(a,h,i)perylene	27.46	276	52540m	1.972	ng/ul	

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