

Quantitation Report (QT Reviewed)

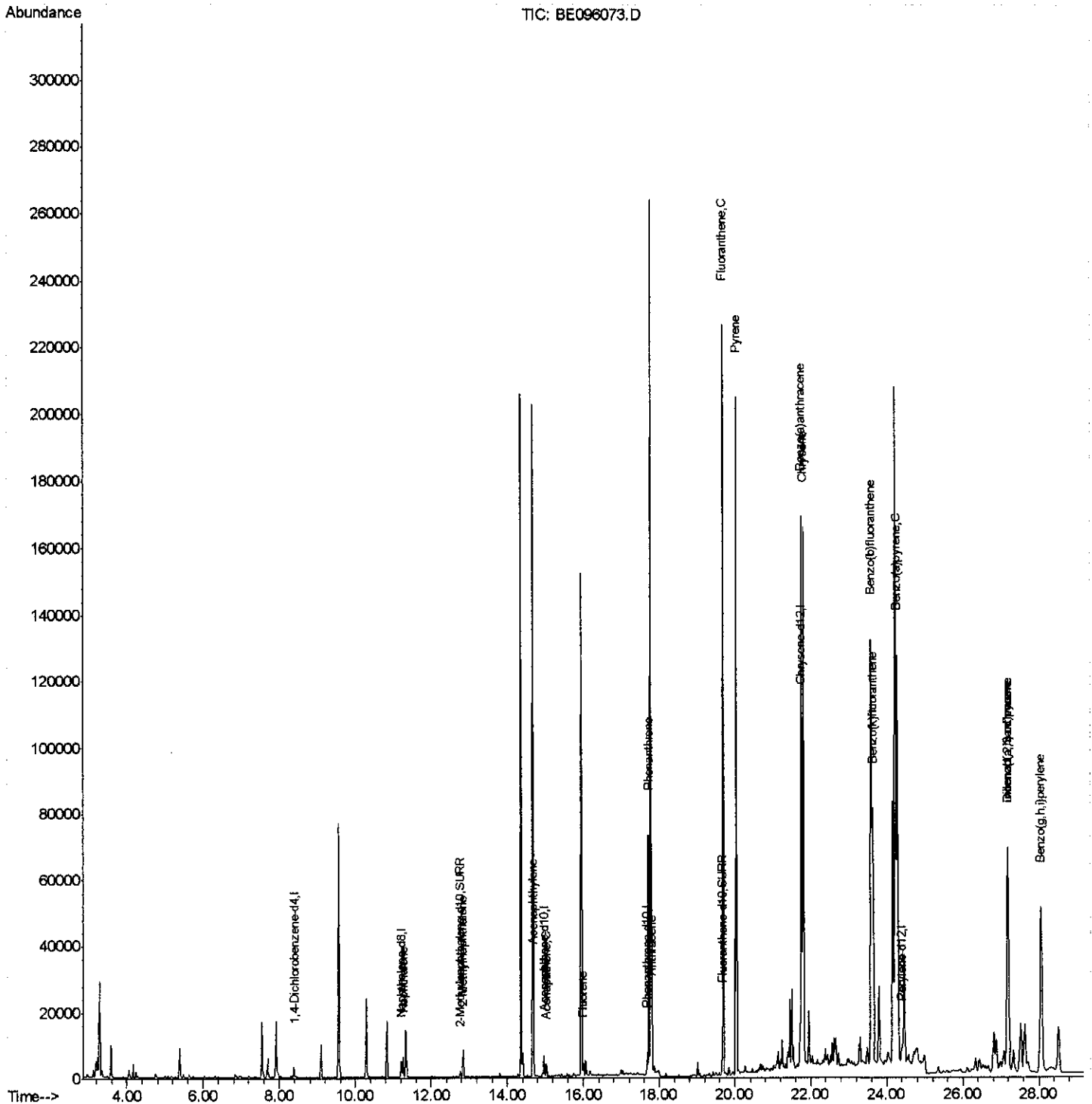
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096073.D
 Acq On : 21 Apr 2018 10:45
 Operator : SJ/JU
 Sample : J2434-09
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AC4

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:44:36 PM

Quant Time: Apr 23 04:13:31 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)

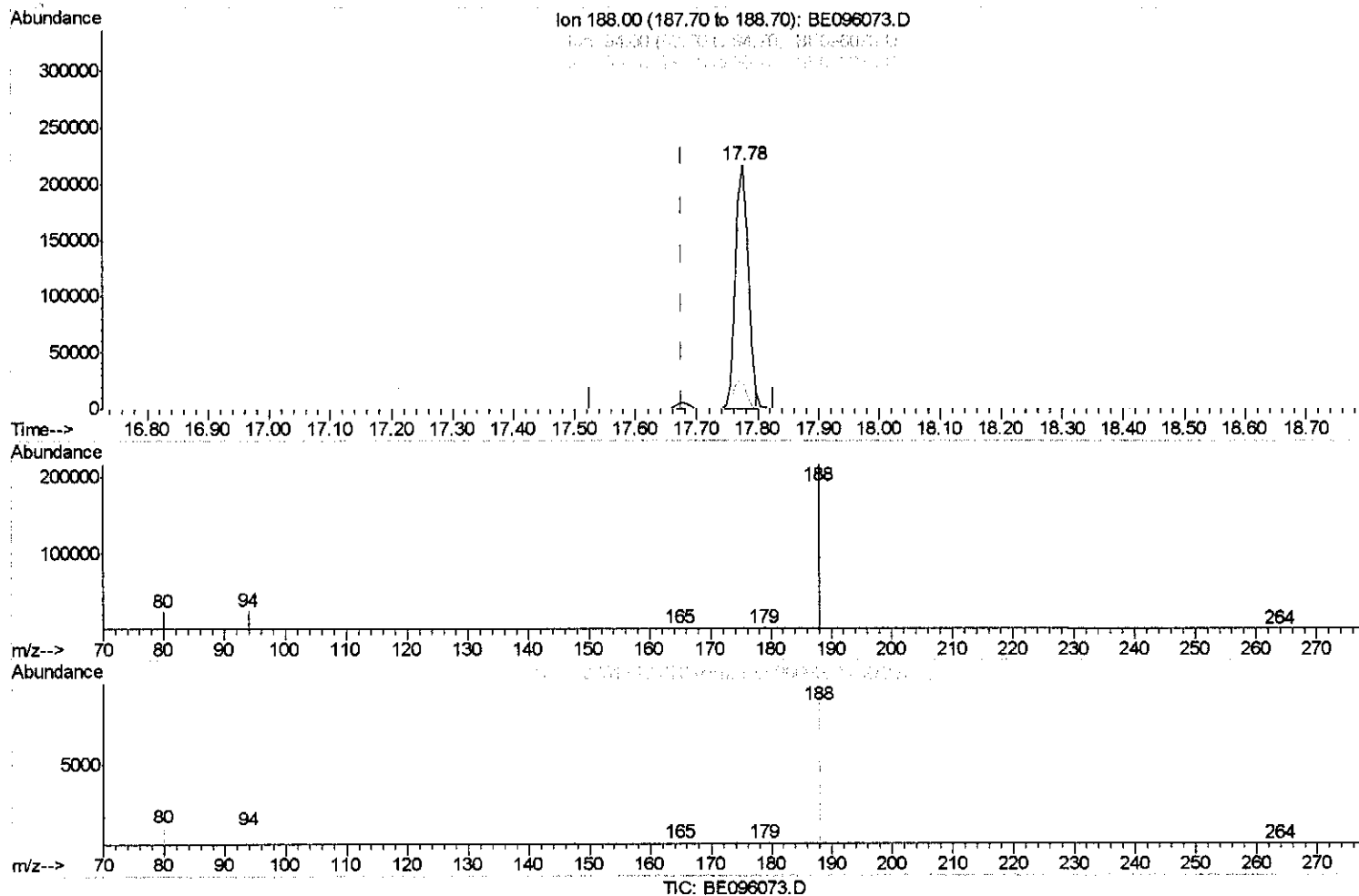
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
Data File : BE096073.D
Acq On : 21 Apr 2018 10:45
Operator : SJ/JU
Sample : J2434-09
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC4

Manual Integrations
APPROVED

Sohil
4/23/2018 6:44:36 PM

Quant Time: Apr 23 01:10:36 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



(10) Phenanthrene-d10 (I)

17.775min (+0.099) 0.40ng/ul

response 312586

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	10.79
80.00	11.80	10.29
0.00	0.00	0.00

Quantitation Report (Qedit)

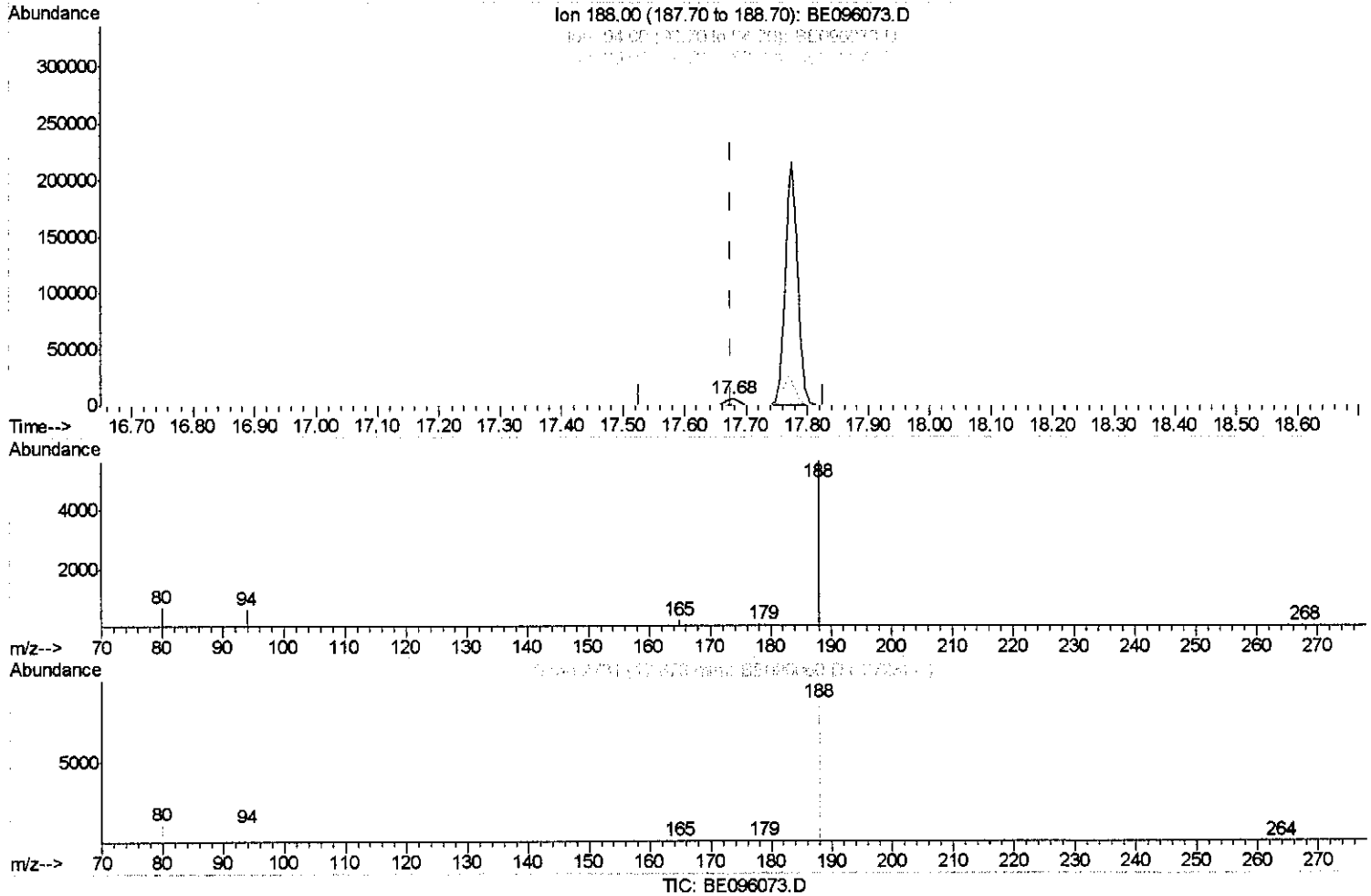
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
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 Operator : SJ/JU
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 C0AC4

Manual Integrations
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Sohil
 4/23/2018 6:44:36 PM

Quant Time: Apr 23 01:10:36 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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(10) Phenanthrene-d10 (I)

17.677min (+0.001) 0.40ng/ul m> SJ 4/24/18

response 7792

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	10.90
80.00	11.80	12.22
0.00	0.00	0.00

Quantitation Report (Qedit)

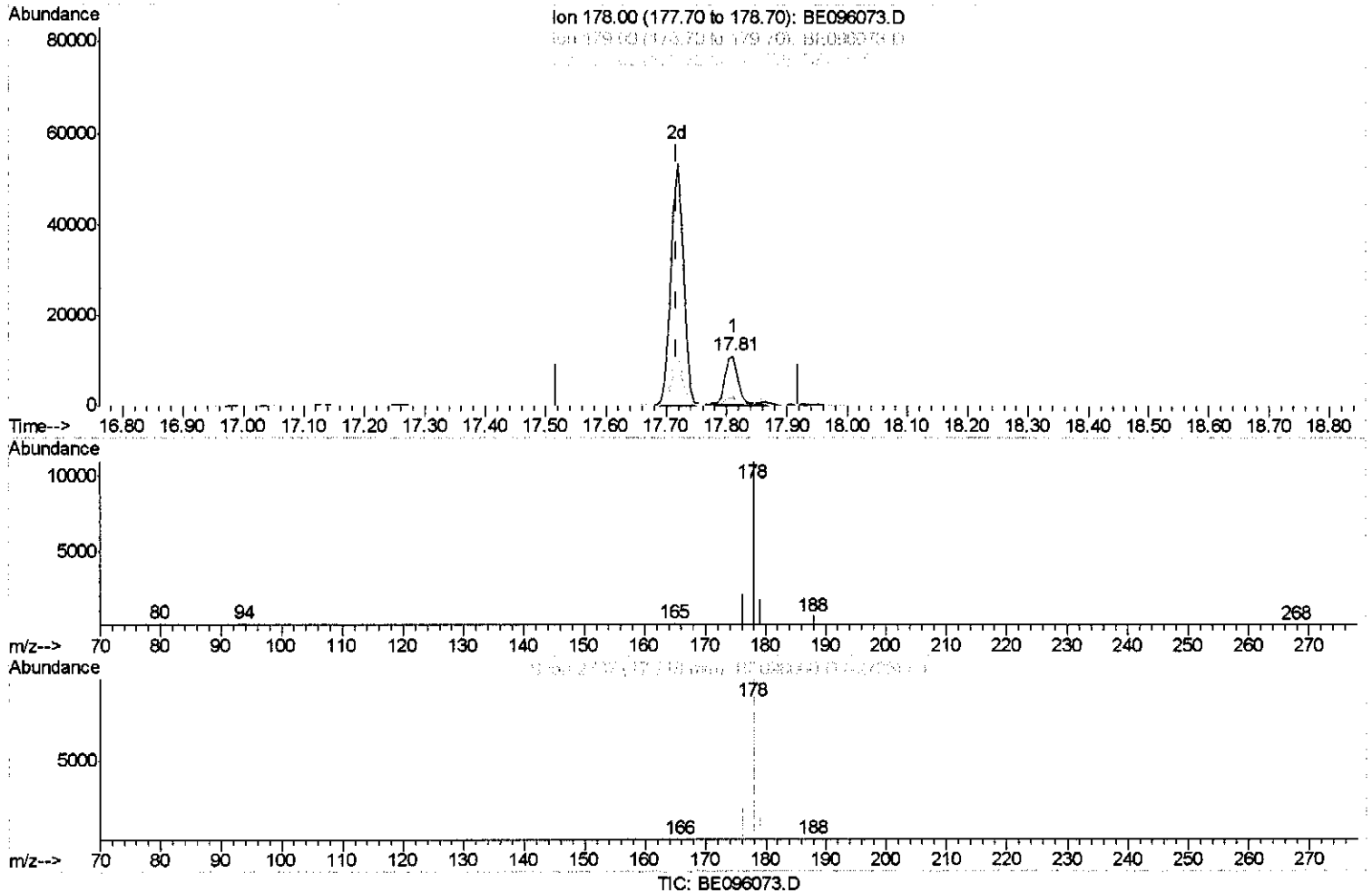
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096073.D
 Acq On : 21 Apr 2018 10:45
 Operator : SJ/JU
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 ALS Vial : 30 Sample Multiplier: 1

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Manual Integrations
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Sohil
 4/23/2018 6:44:36 PM

Quant Time: Apr 23 04:09:02 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
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(12) Phenanthrene

17.810min (+0.092) 0.67ng/ul

response 15499

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	16.11#
176.00	17.00	19.12
0.00	0.00	0.00

Quantitation Report (Qedit)

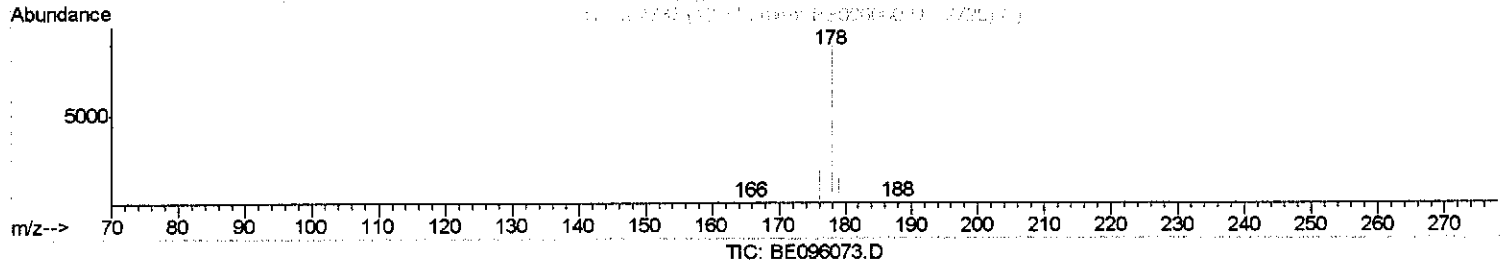
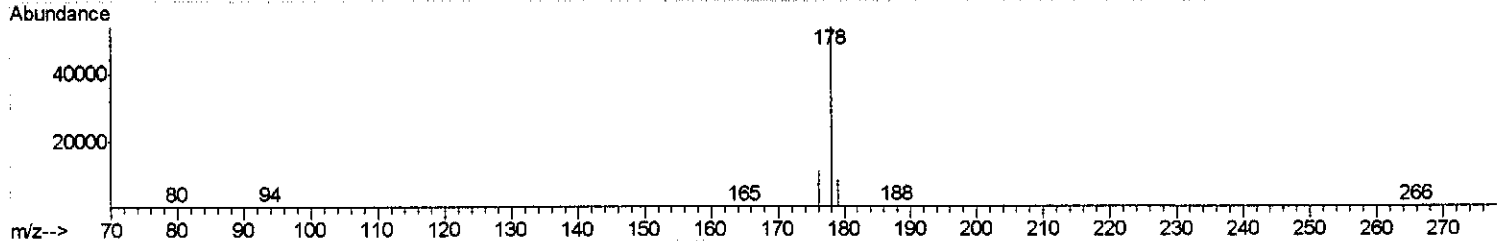
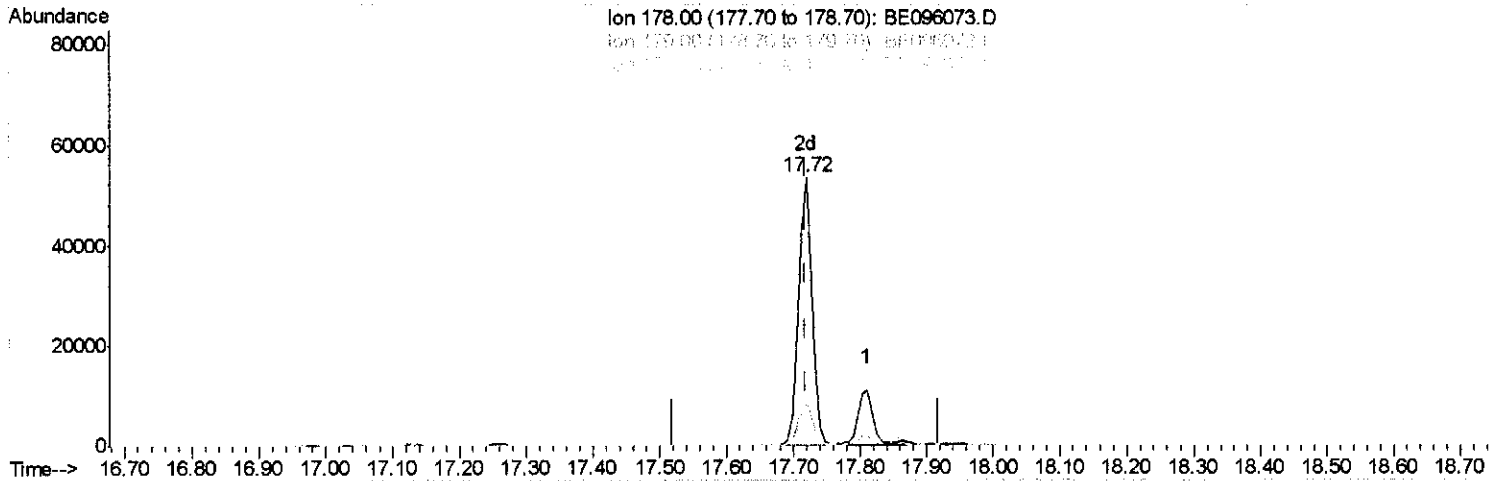
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(12) Phenanthrene

17.719min (+0.001) 3.34ng/ul m > SJ 4/24/18

response 76611

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	15.50#
176.00	17.00	19.87
0.00	0.00	0.00

Quantitation Report (Qedit)

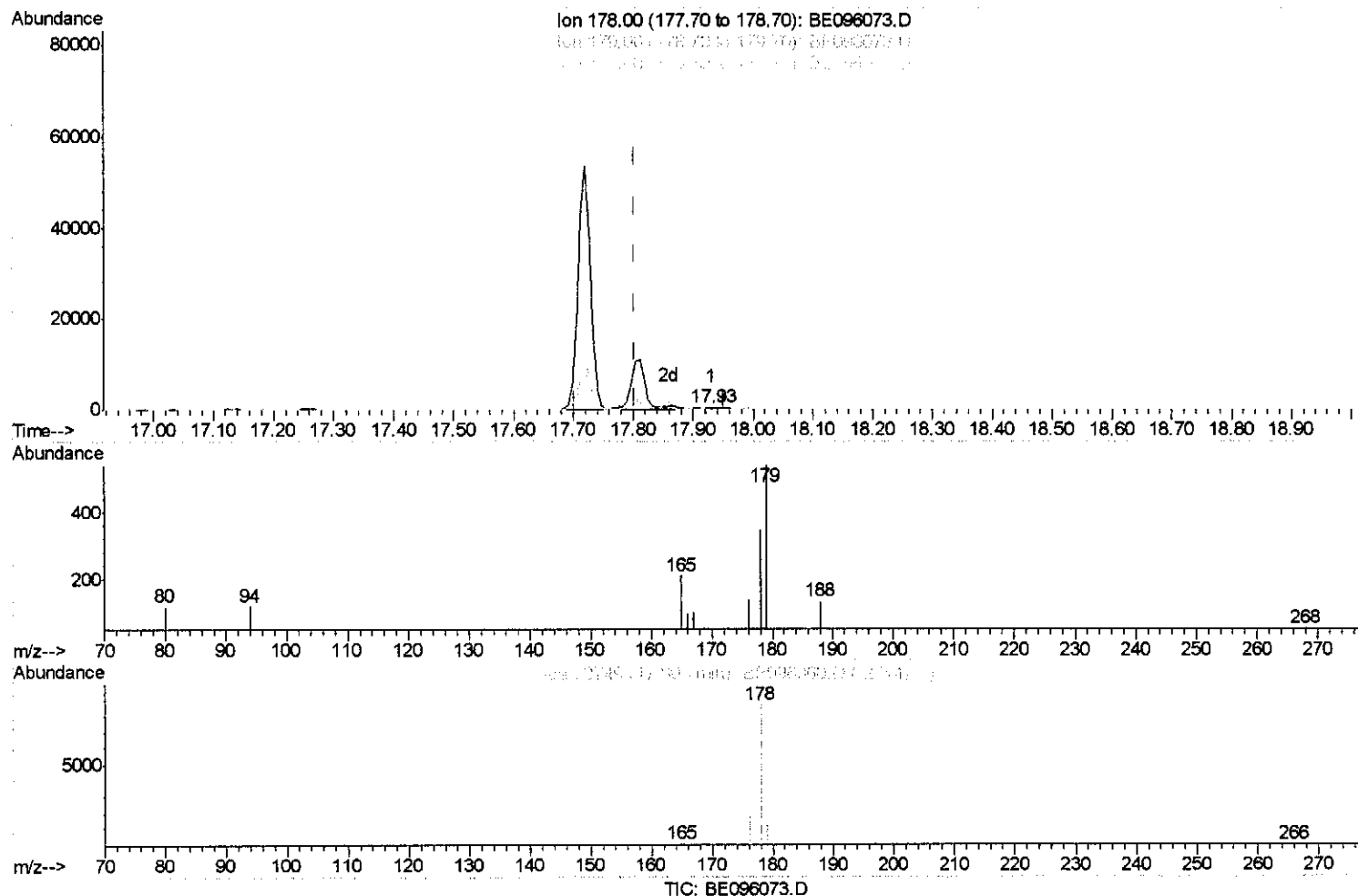
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
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(13) Anthracene

17.930min (+0.127) 0.06ng/ul

response 1479

Ion	Exp%	Act%
178.00	100	100
179.00	22.60	154.78#
176.00	18.40	40.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

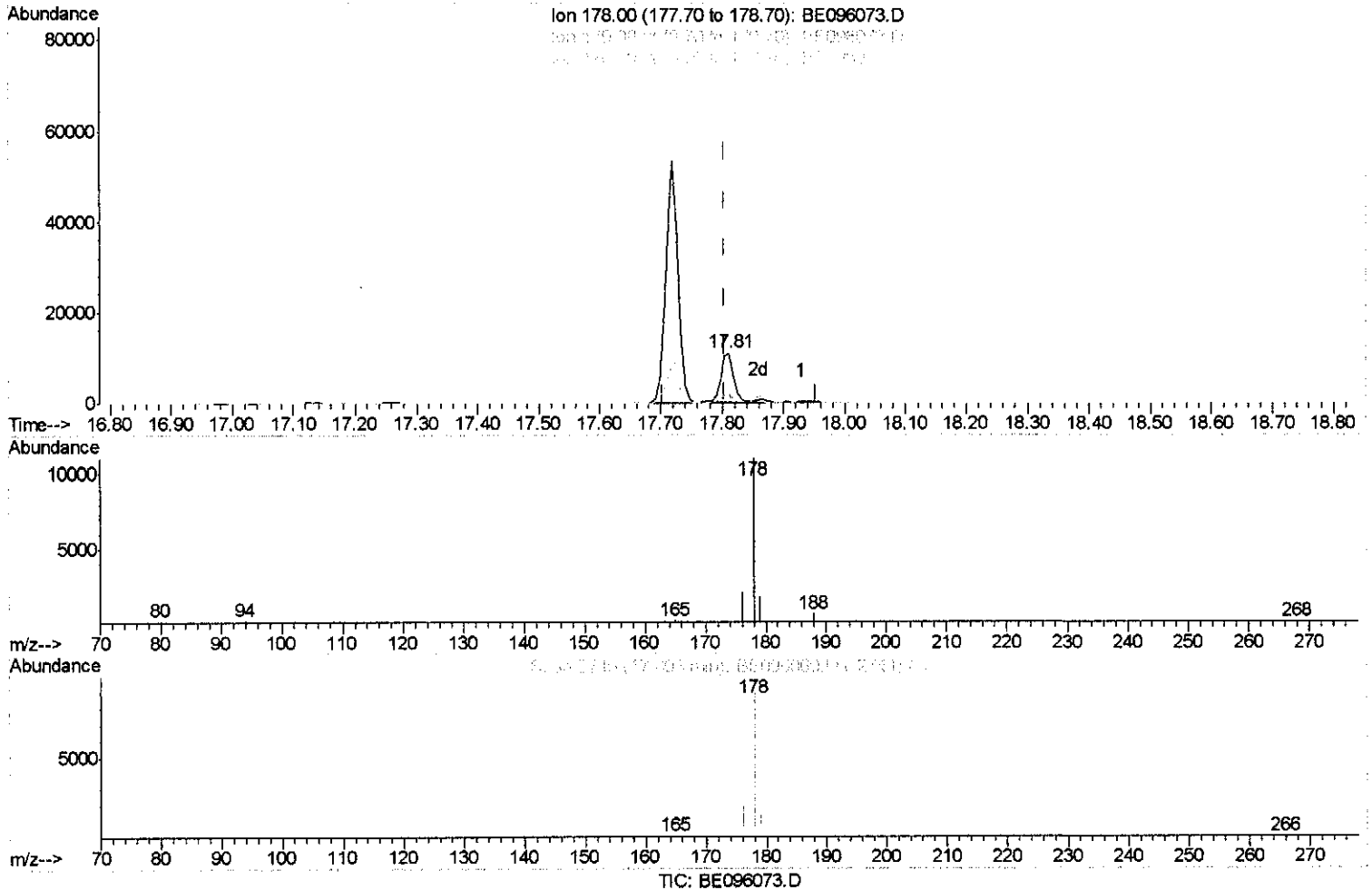
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 Acq On : 21 Apr 2018 10:45
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(13) Anthracene

17.810min (+0.008) 0.68ng/ul m >

SJ 4/24/18

response 15469

Ion	Exp%	Act%
178.00	100	100
179.00	22.60	16.11#
176.00	18.40	19.12
0.00	0.00	0.00

Quantitation Report (Qedit)

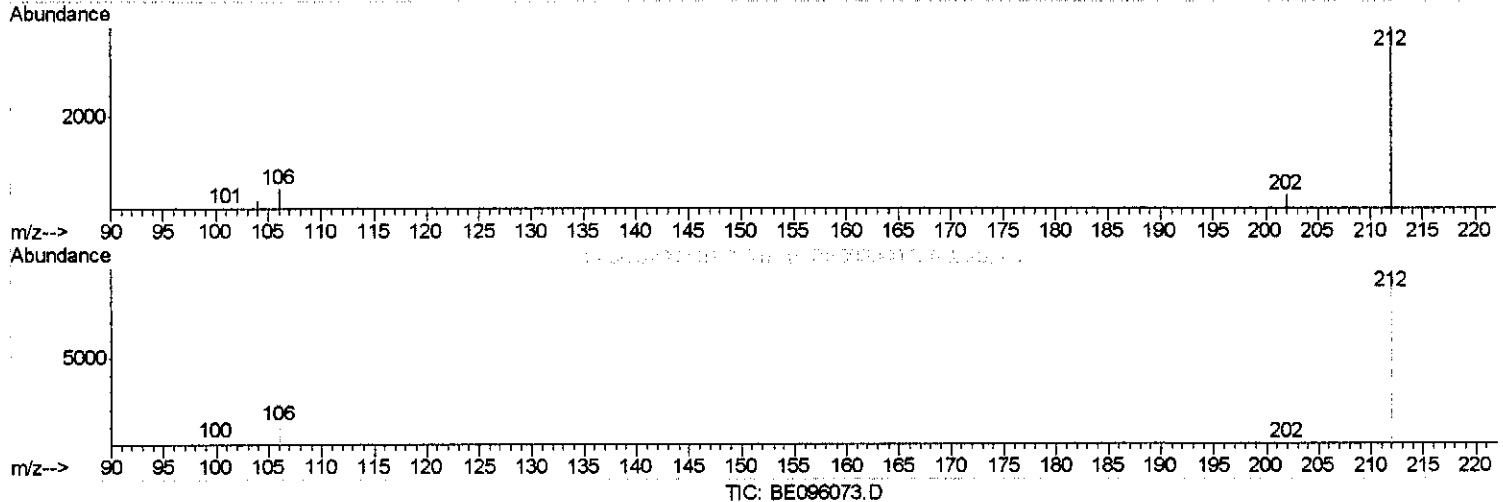
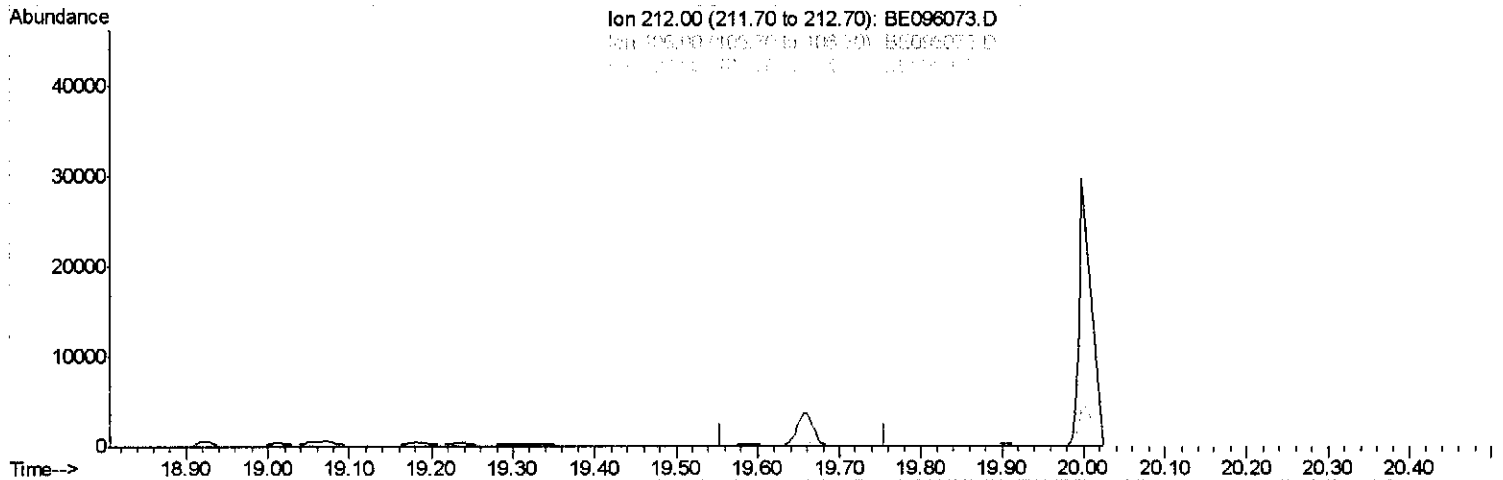
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096073.D
 Acq On : 21 Apr 2018 10:45
 Operator : SJ/JU
 Sample : J2434-09
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 C0AC4

Manual Integrations
 APPROVED

Sohil
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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)

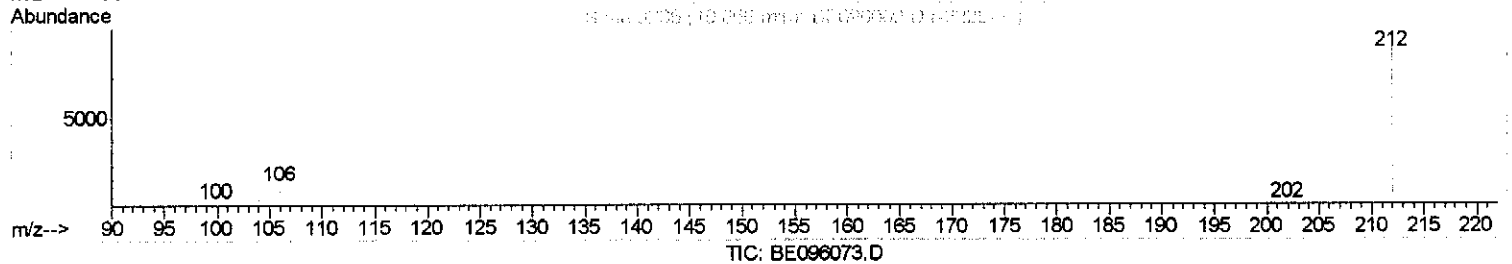
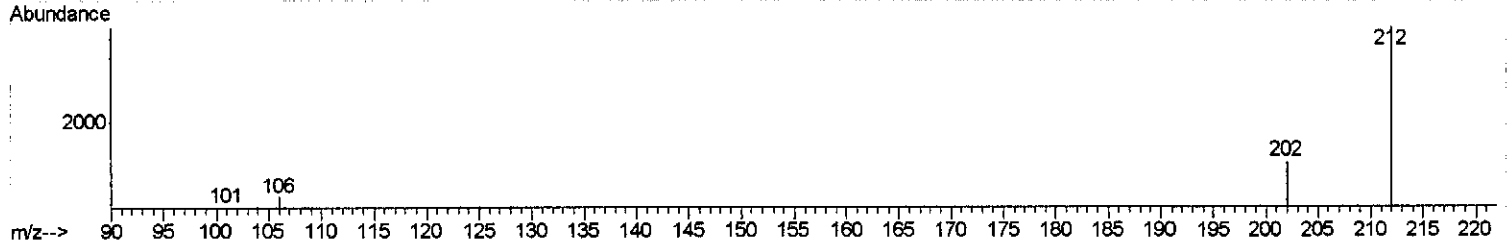
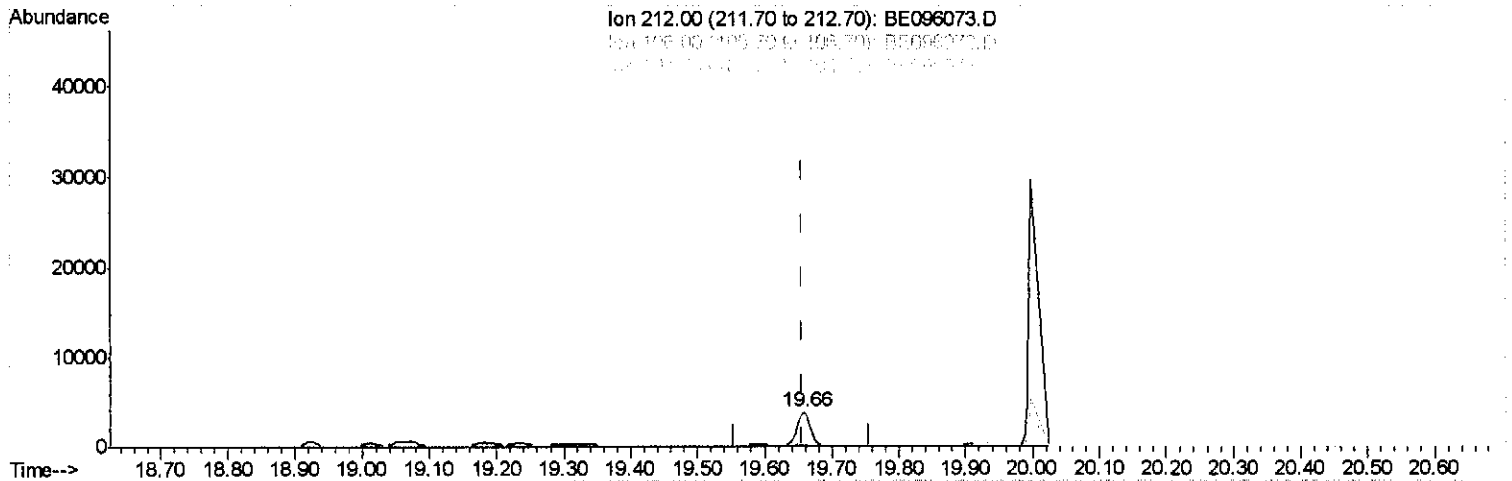
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096073.D
 Acq On : 21 Apr 2018 10:45
 Operator : SJ/JU
 Sample : J2434-09
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AC4

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:44:36 PM

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(14) Fluoranthene-d10 (SURR)

19.659min (+0.003) 0.16ng/ul m > 53 4/24/18

response 5017

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)

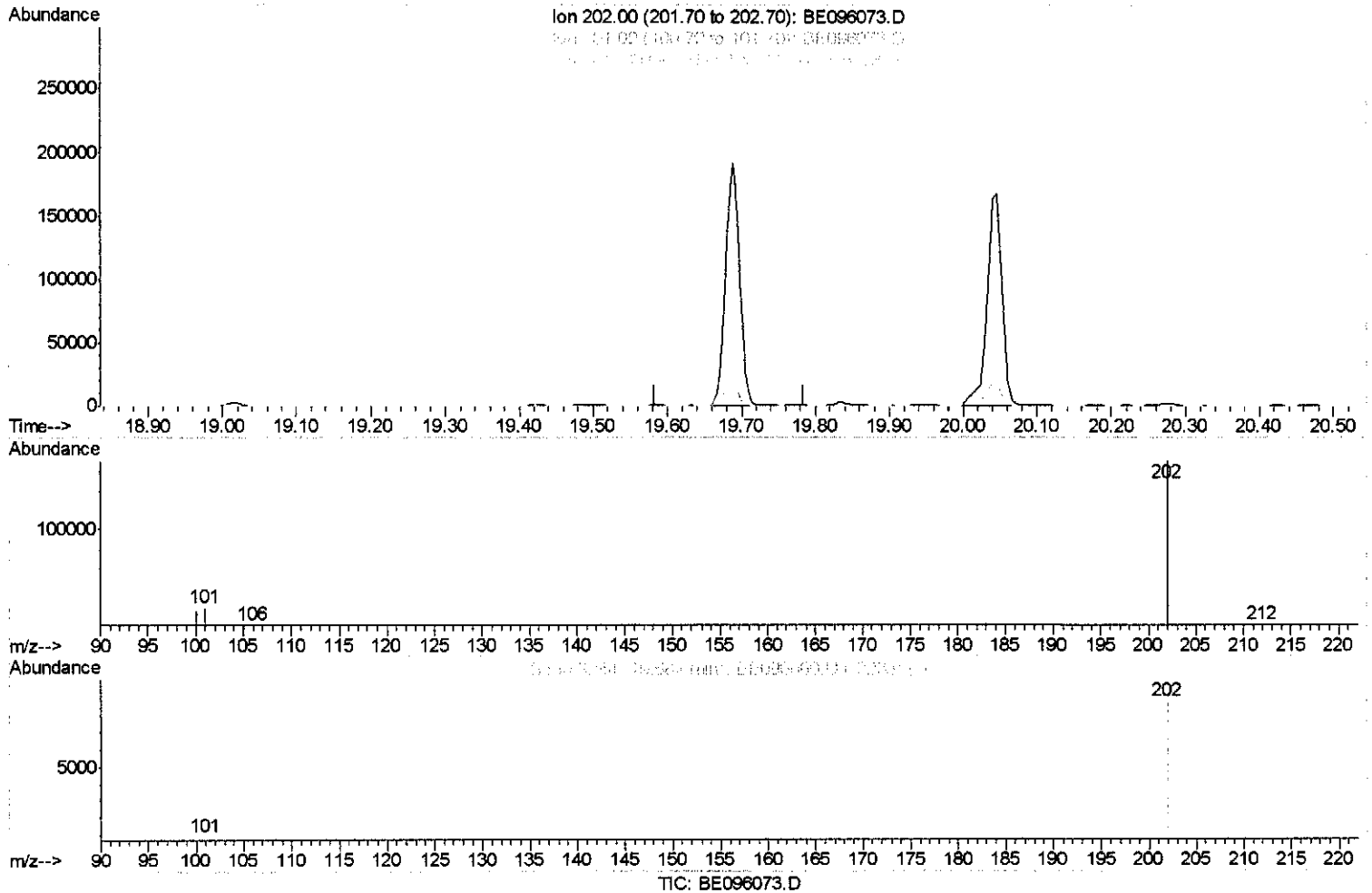
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096073.D
 Acq On : 21 Apr 2018 10:45
 Operator : SJ/JU
 Sample : J2434-09
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AC4

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)

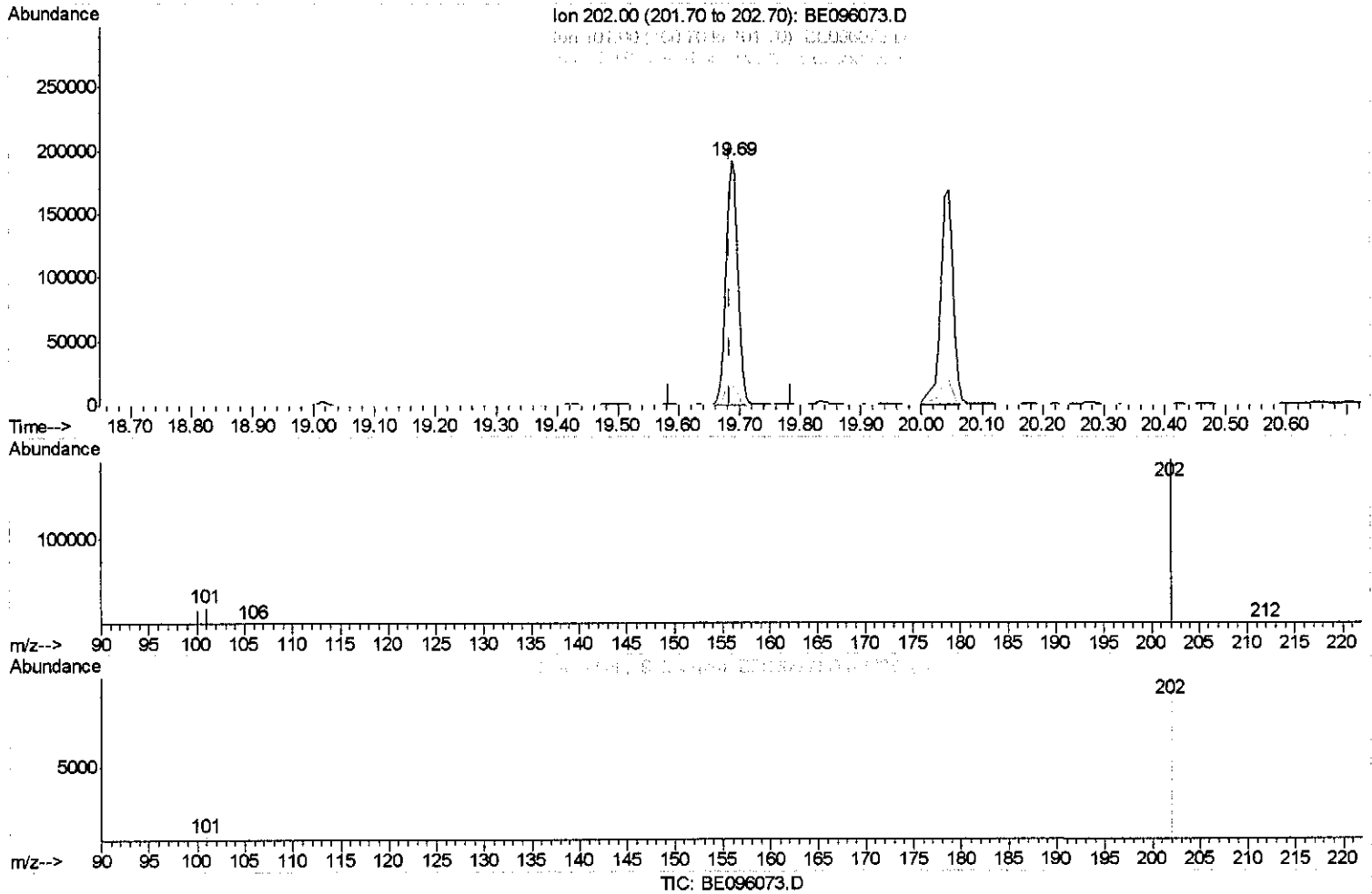
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096073.D
 Acq On : 21 Apr 2018 10:45
 Operator : SJ/JU
 Sample : J2434-09
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AC4

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:44:36 PM

Quant Time: Apr 23 04:09:02 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
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 Response via : Initial Calibration



(15) Fluoranthene (C)

19.687min (+0.003) 8.08ng/ul m > SJ 4/24/18
 response 252593

Ion	Exp%	Act%
202.00	100	100
101.00	10.30	9.86
100.00	19.50	8.18
0.00	0.00	0.00

Quantitation Report (Qedit)

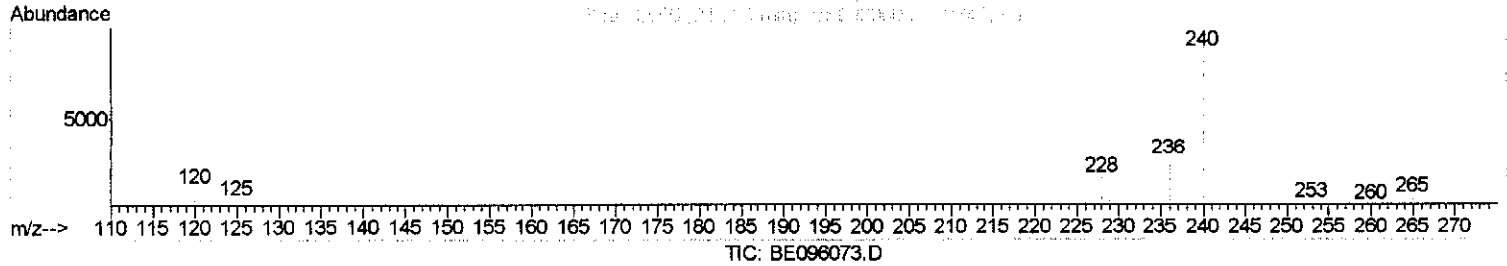
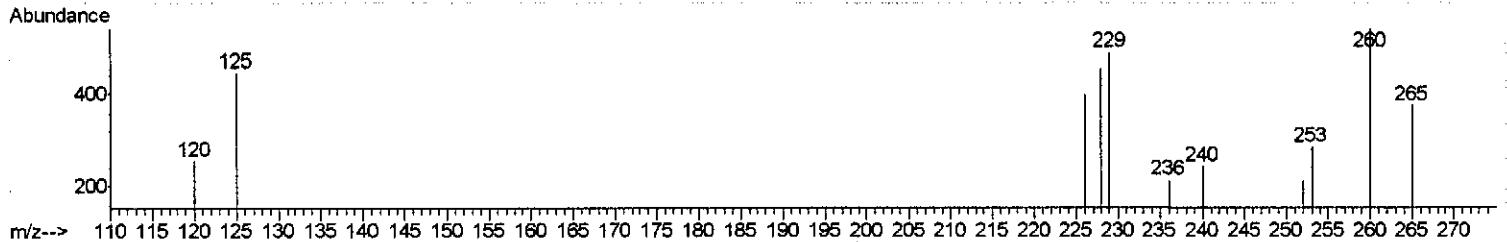
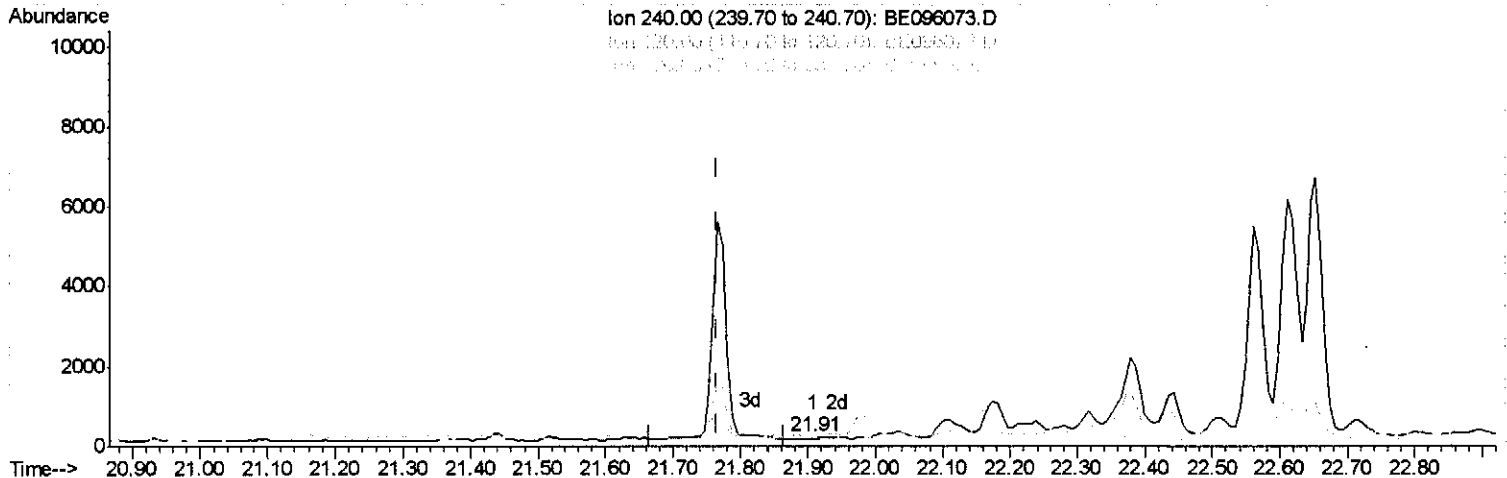
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
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Manual Integrations
 APPROVED

Sohil
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(16) Chrysene-d12 (I)

21.908min (+0.142) 0.40ng/ul

response 77

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	105.35#
236.00	34.90	87.24#
0.00	0.00	0.00

Quantitation Report (Qedit)

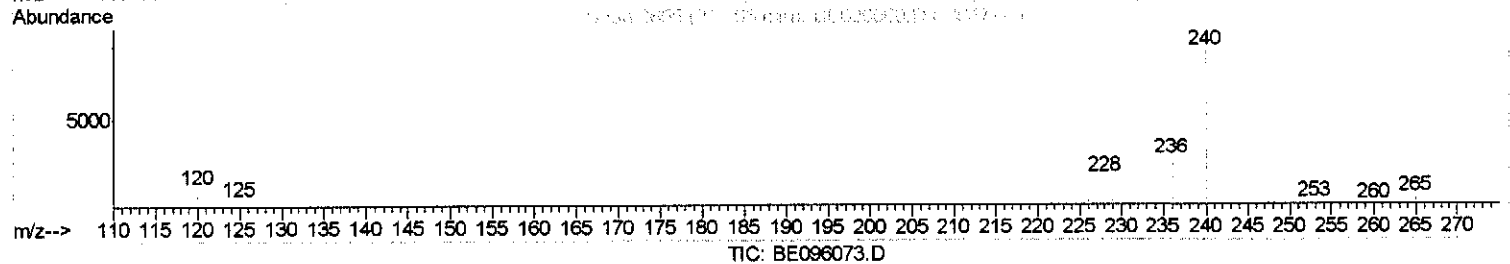
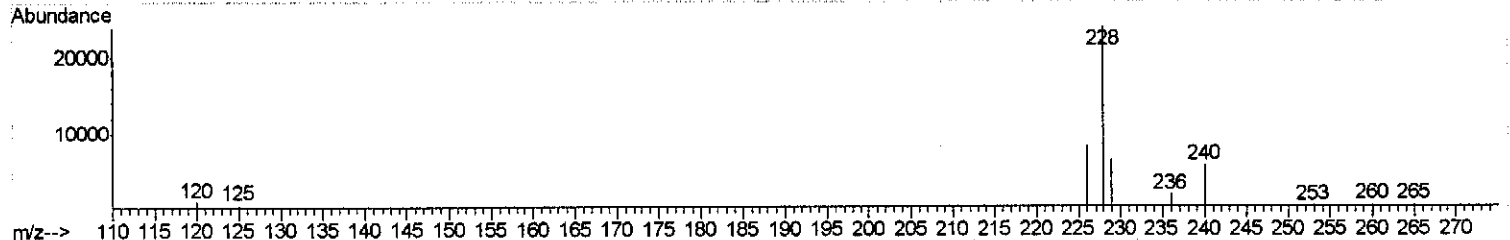
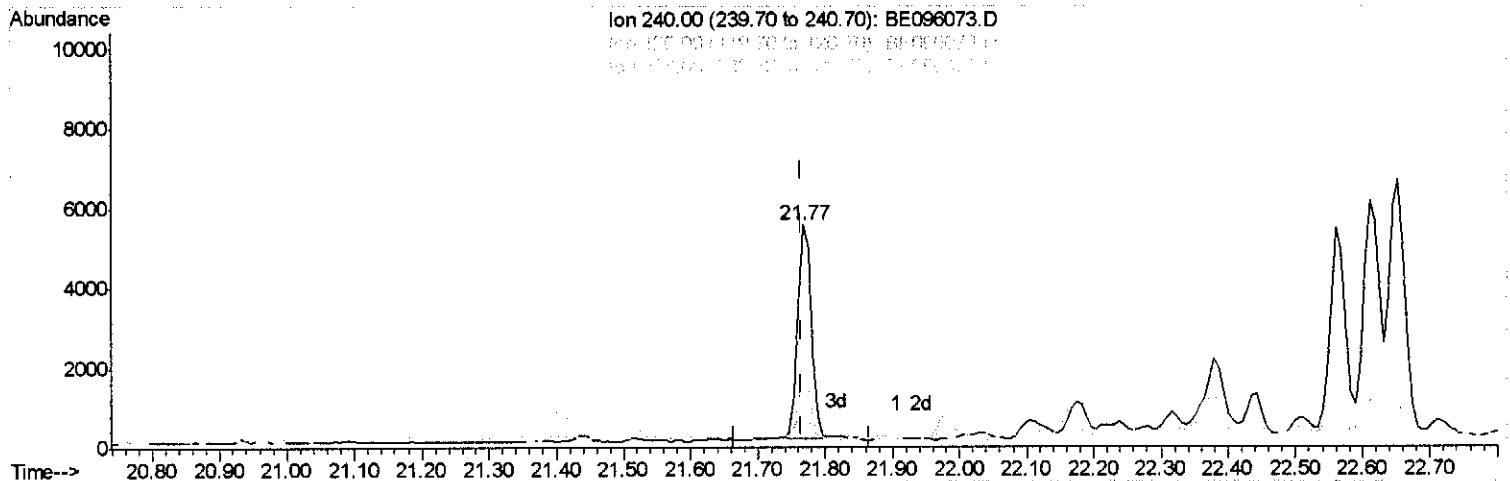
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096073.D
 Acq On : 21 Apr 2018 10:45
 Operator : SJ/JU
 Sample : J2434-09
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AC4

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:44:36 PM

Quant Time: Apr 23 04:09:02 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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(16) Chrysene-d12 (I)

21.767min (+0.002) 0.40ng/ul m > SJ 4/24/18

response 7320

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	15.94#
236.00	34.90	30.58
0.00	0.00	0.00

Quantitation Report (Qedit)

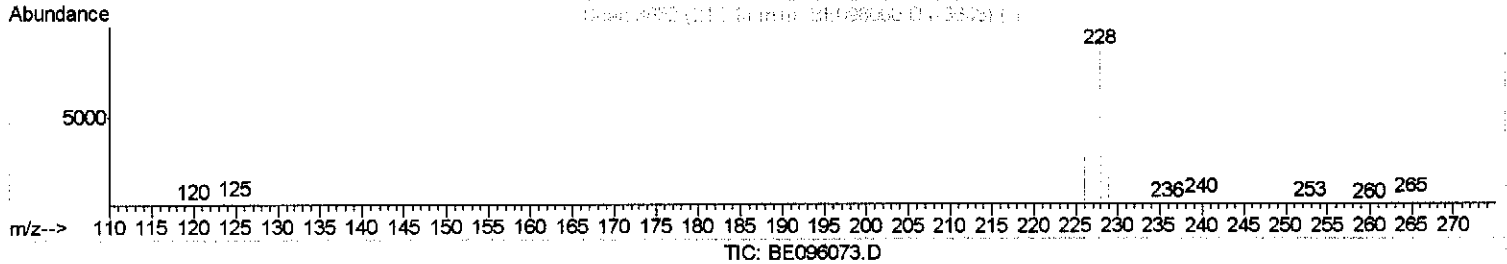
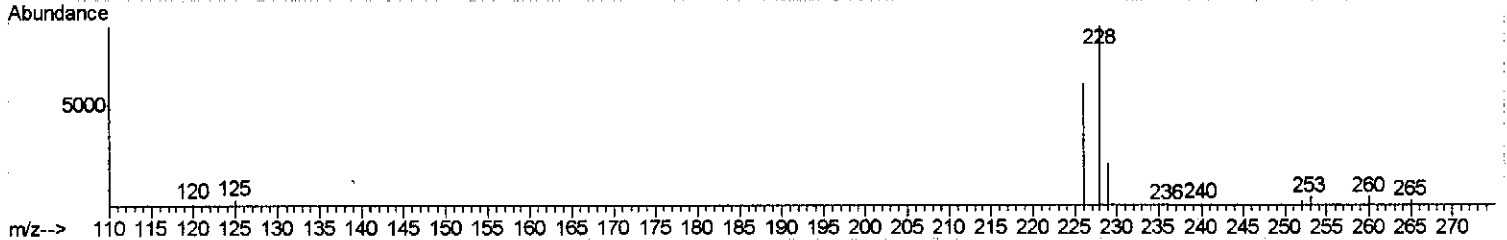
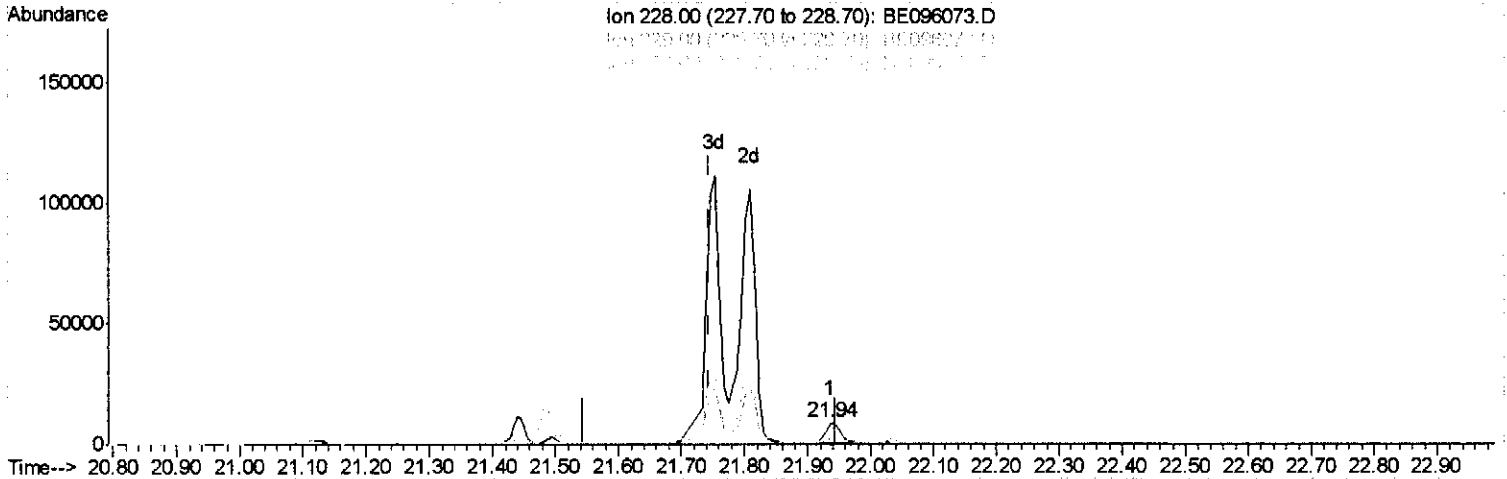
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(18) Benzo(a)anthracene

21.936min (+0.192) 0.46ng/ul

response 13654

Ion	Exp%	Act%
228.00	100	100
229.00	28.50	24.64
226.00	21.30	69.10#
0.00	0.00	0.00

Quantitation Report (Qedit)

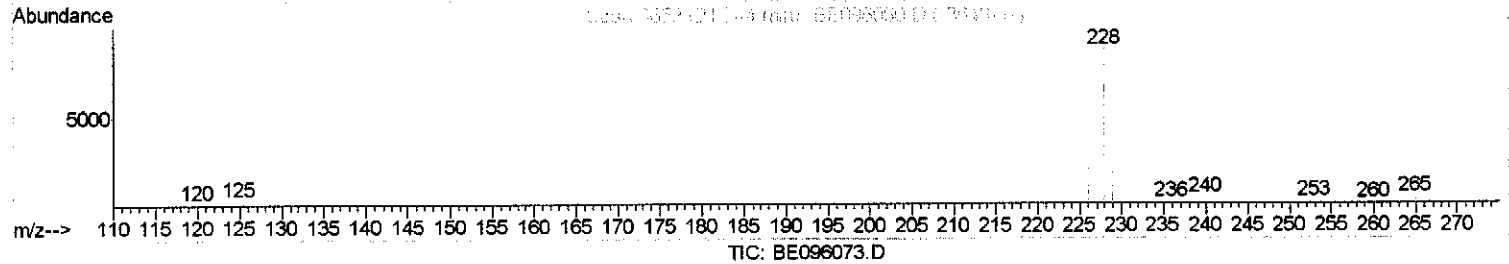
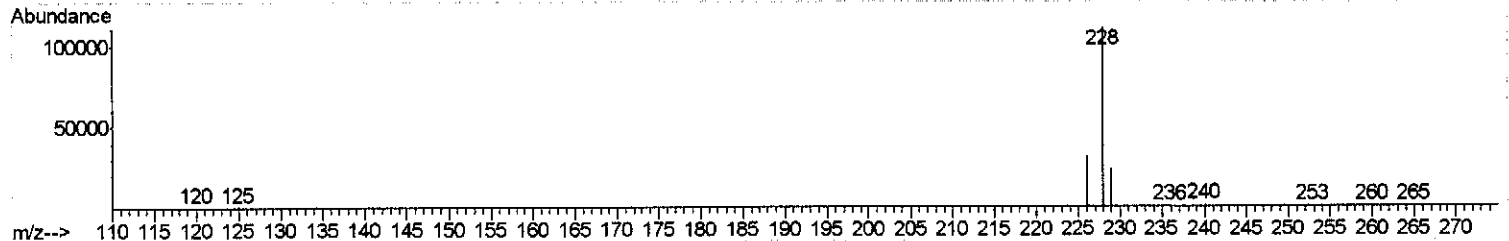
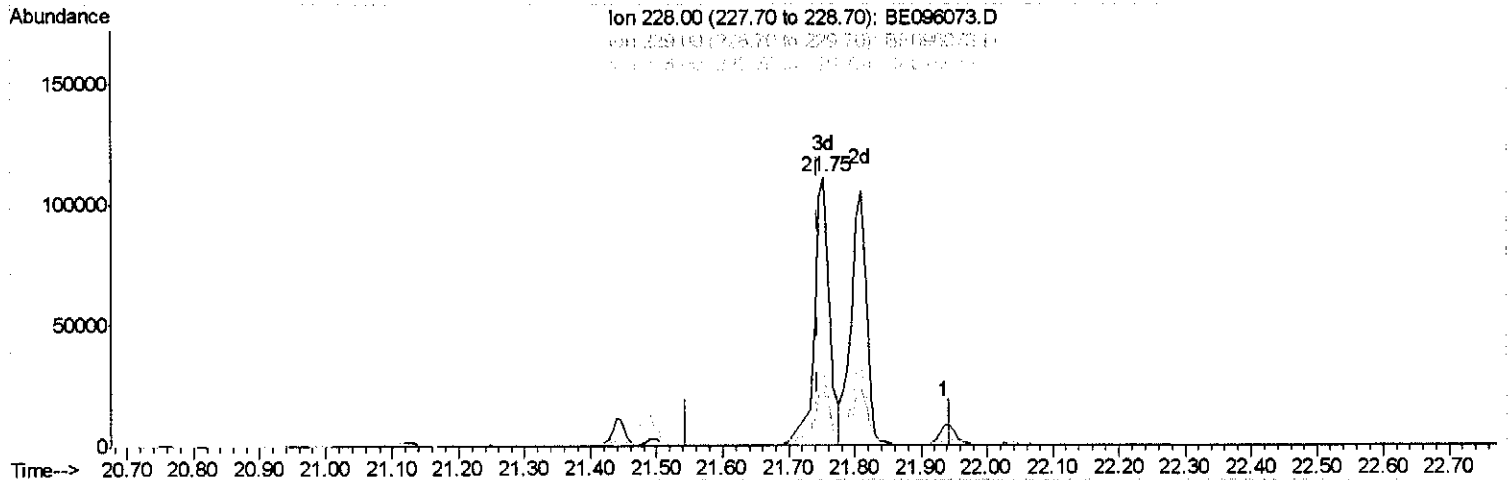
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(18) Benzo(a)anthracene

21.753min (+0.009) 6.97ng/ul m > SJ 4/24/18

response 205974

Ion	Exp%	Act%
228.00	100	100
229.00	28.50	21.09#
226.00	21.30	27.91#
0.00	0.00	0.00

Quantitation Report (Qedit)

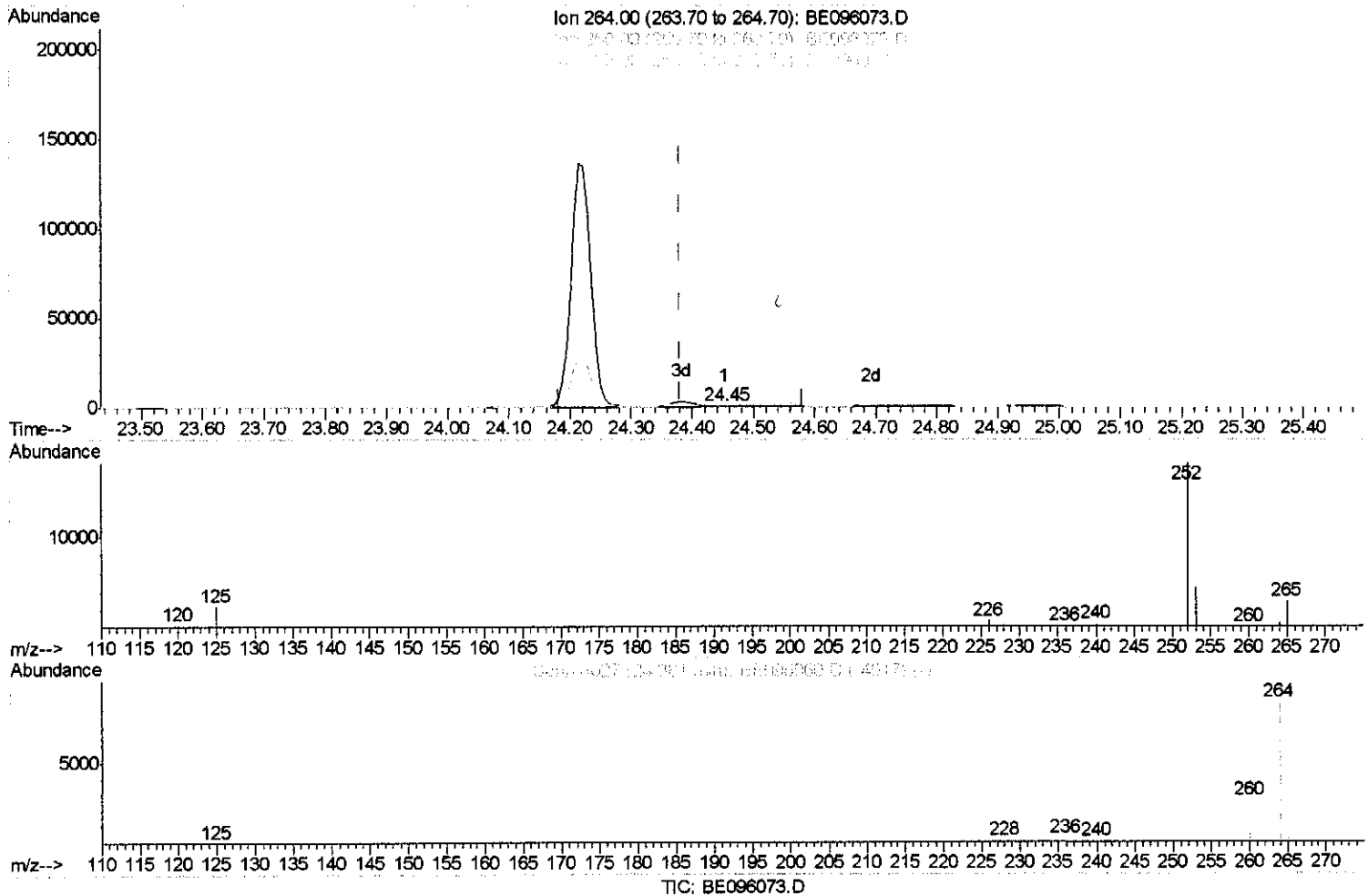
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(20) Perylene-d12 (I)

24.453min (+0.072) 0.40ng/ul

response 772

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	30.94
265.00	103.50	406.22#
0.00	0.00	0.00

Quantitation Report (Qedit)

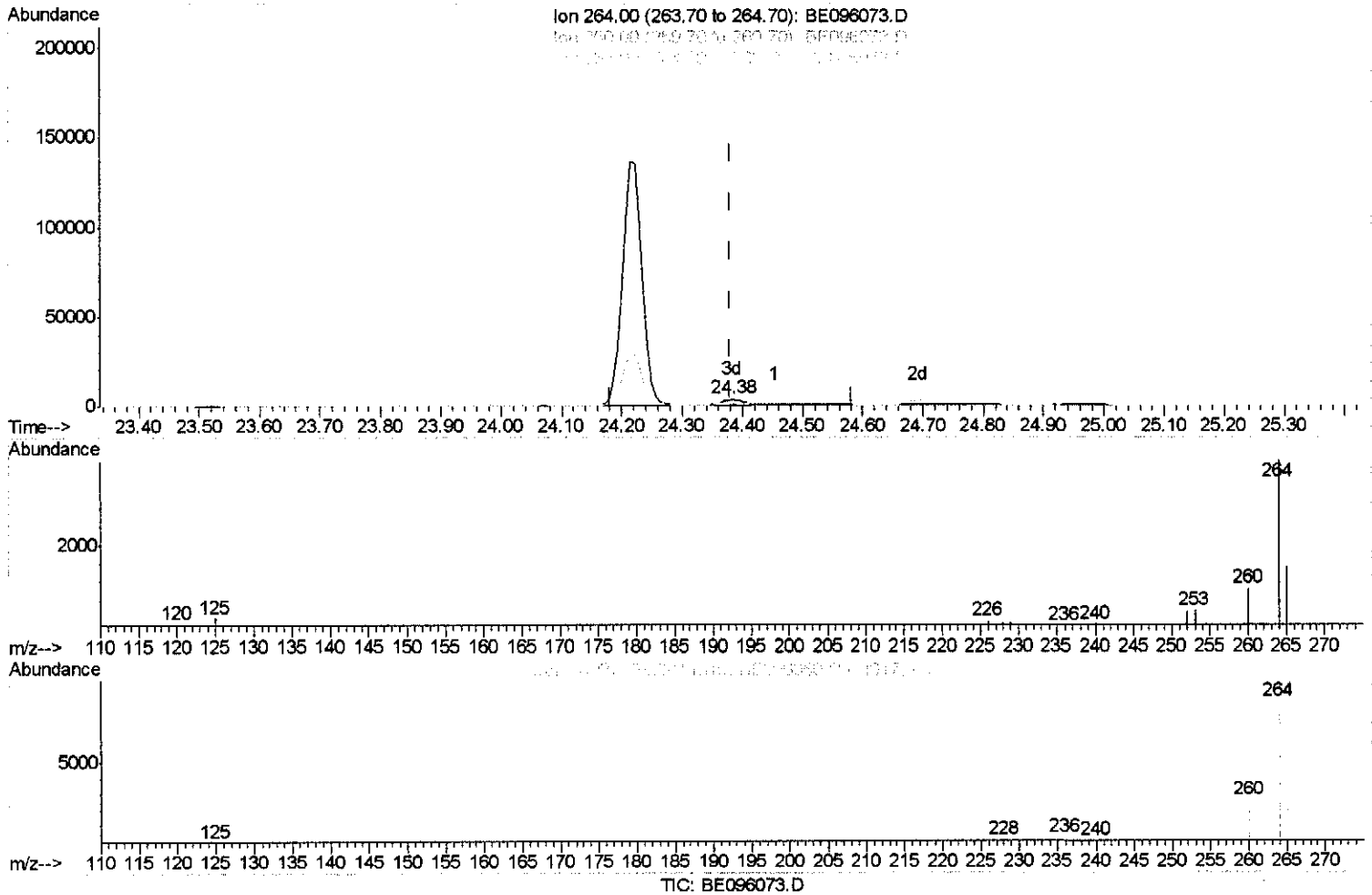
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(20) Perylene-d12 (I)

24.383min (+0.002) 0.40ng/ul m > SJ 4/24/18

response 7575

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	27.56
265.00	103.50	40.16#
0.00	0.00	0.00

Quantitation Report (Qedit)

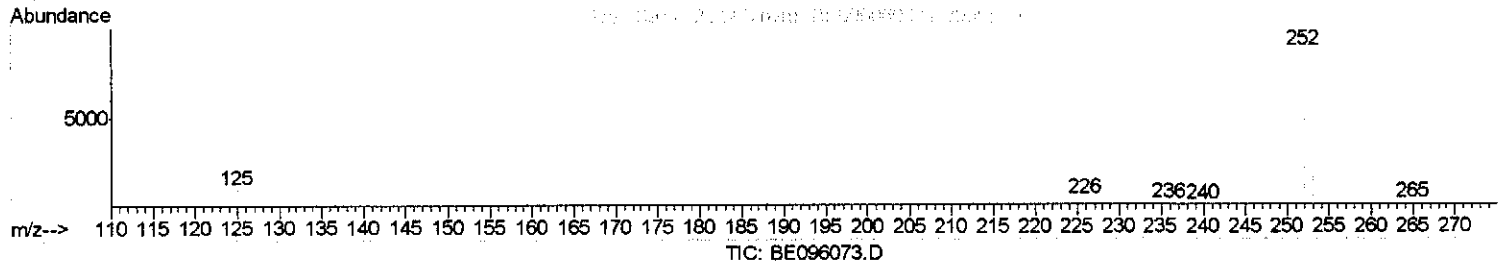
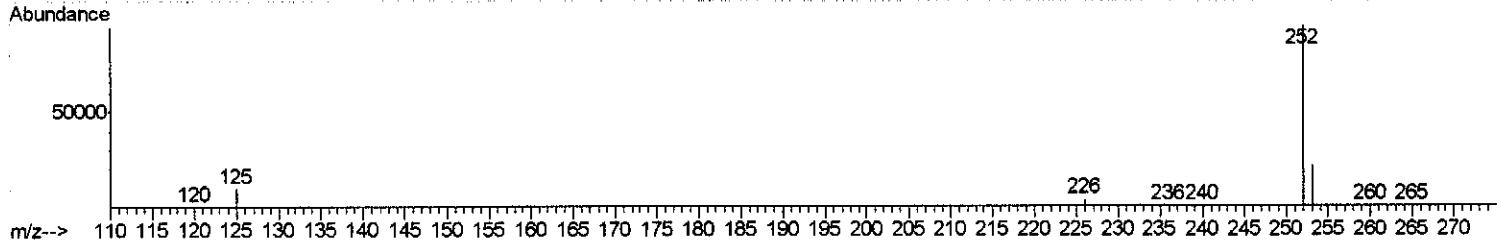
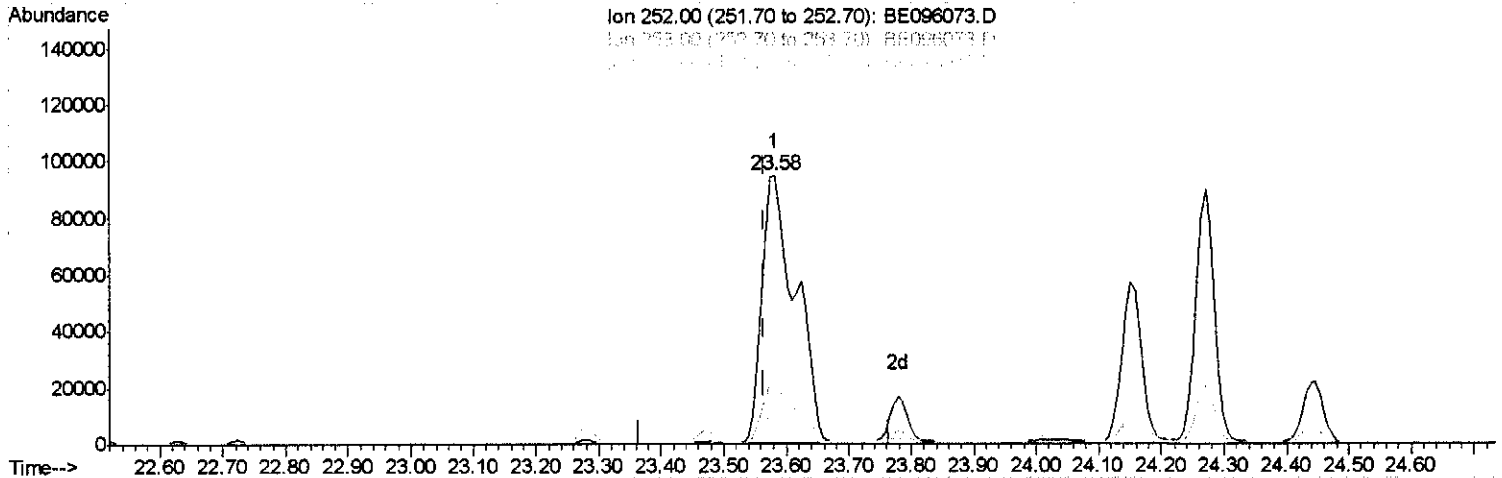
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096073.D
 Acq On : 21 Apr 2018 10:45
 Operator : SJ/JU
 Sample : J2434-09
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AC4

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:44:36 PM

Quant Time: Apr 23 04:11:44 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
 23.581min (+0.016) 14.18ng/ul
 response 347468

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.10
125.00	17.50	10.21
0.00	0.00	0.00

Quantitation Report (Qedit)

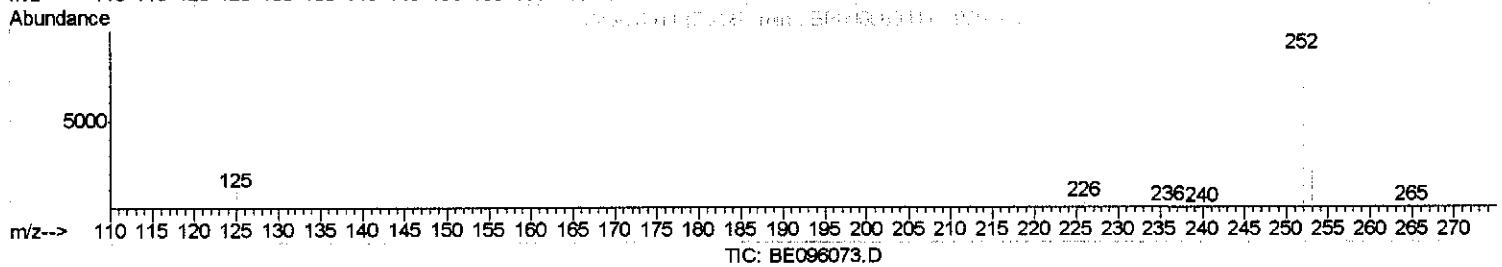
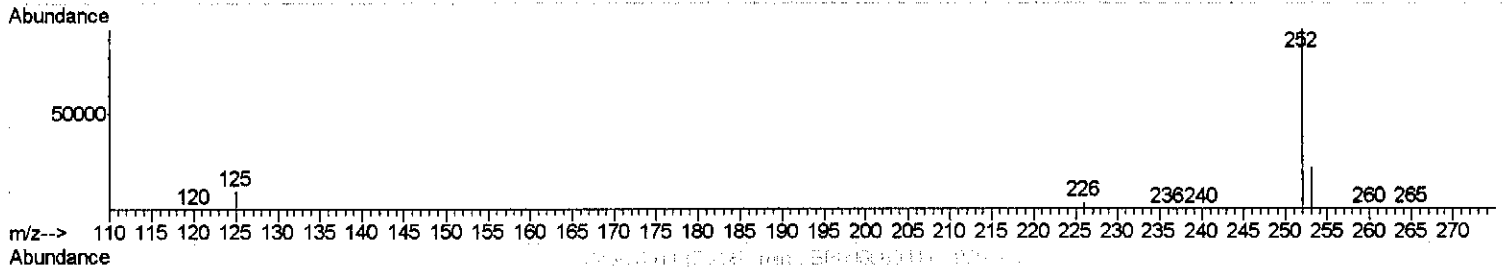
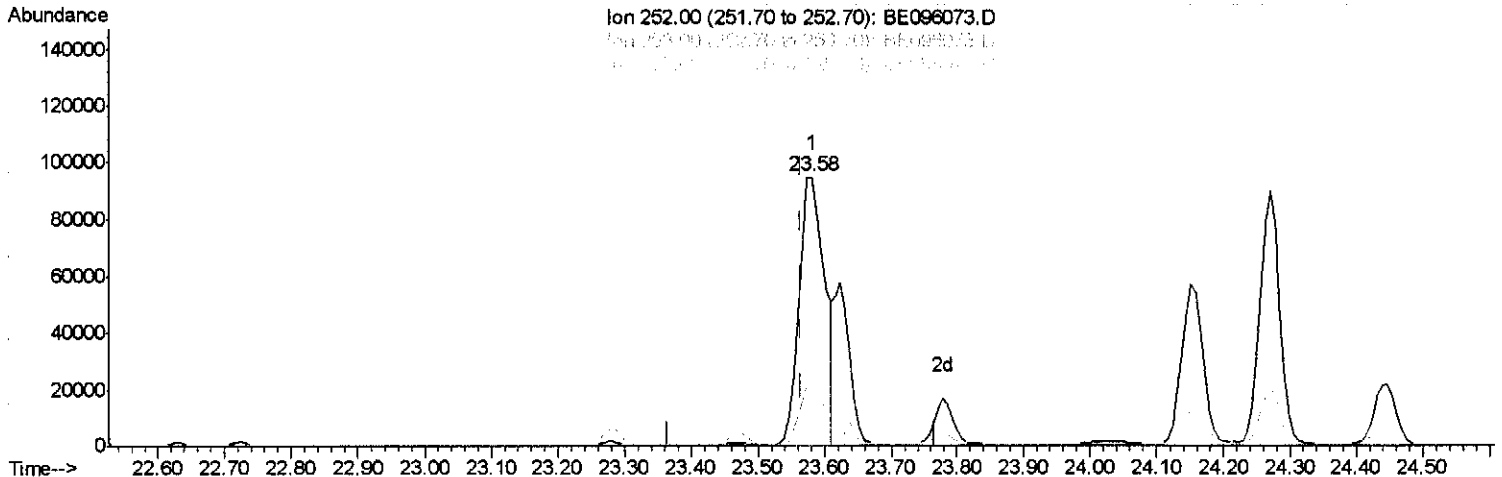
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096073.D
 Acq On : 21 Apr 2018 10:45
 Operator : SJ/JU
 Sample : J2434-09
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AC4

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:44:36 PM

Quant Time: Apr 23 04:11:44 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

23.581min (+0.016) 10.41ng/ul m> SJ 4/24/18
 response 255244

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.10
125.00	17.50	10.21
0.00	0.00	0.00

Quantitation Report (Qedit)

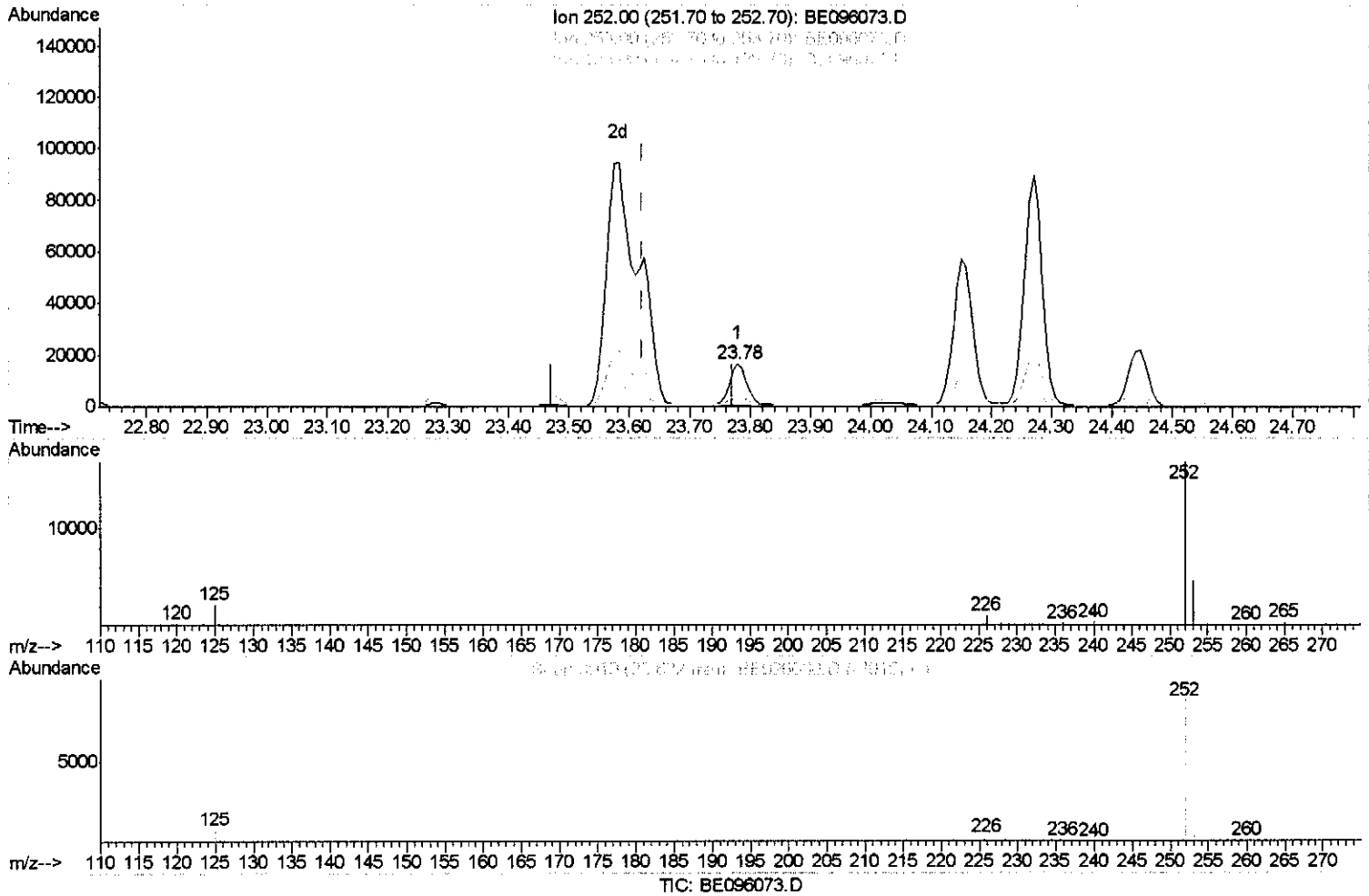
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096073.D
 Acq On : 21 Apr 2018 10:45
 Operator : SJ/JU
 Sample : J2434-09
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AC4

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:44:36 PM

Quant Time: Apr 23 04:11:44 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

23.778min (+0.156) 1.26ng/ul

response 30839

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	28.35
125.00	17.10	13.47#
0.00	0.00	0.00

Quantitation Report (Qedit)

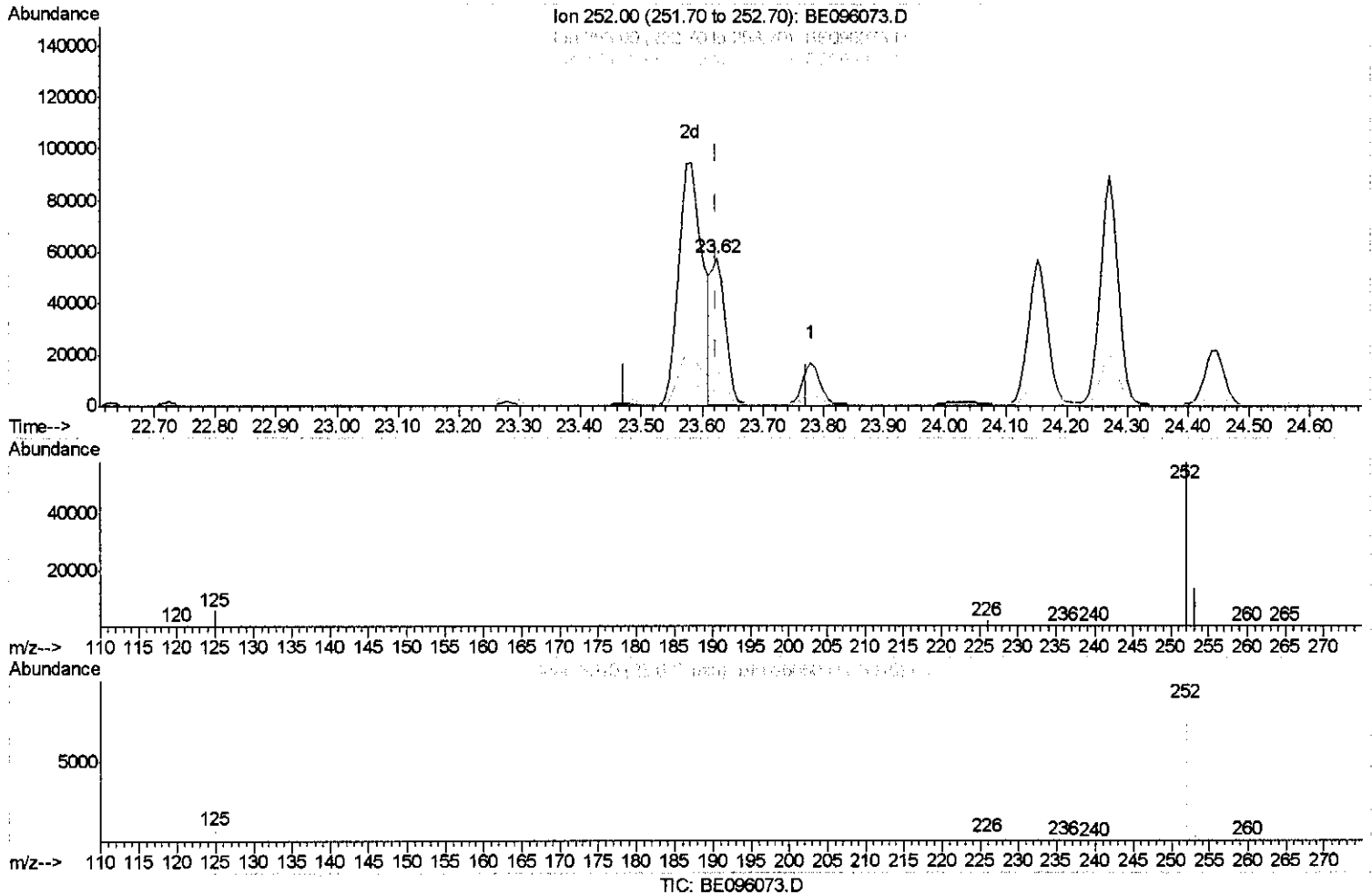
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096073.D
 Acq On : 21 Apr 2018 10:45
 Operator : SJ/JU
 Sample : J2434-09
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AC4

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:44:36 PM

Quant Time: Apr 23 04:11:44 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

23.623min (+0.002) 3.74ng/ul m> SJ 4/24/18

response 91443

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.62#
125.00	17.10	9.80#
0.00	0.00	0.00

Quantitation Report (Qedit)

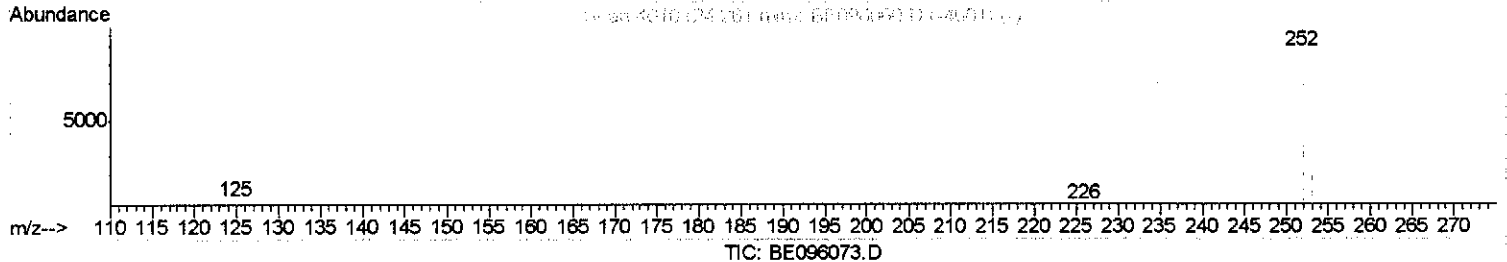
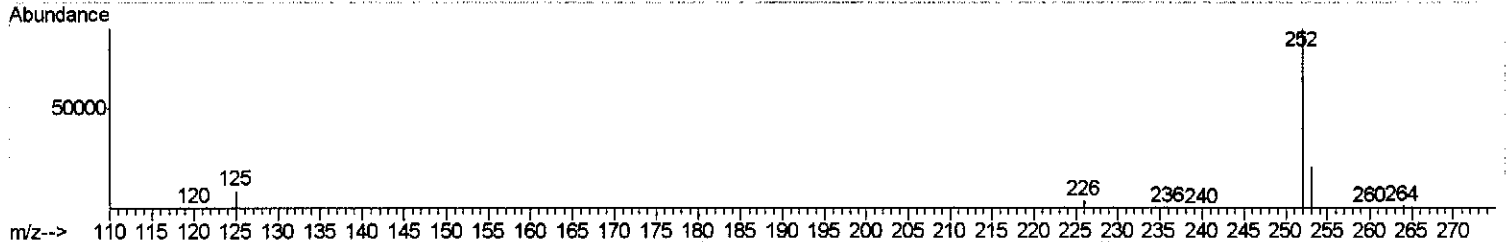
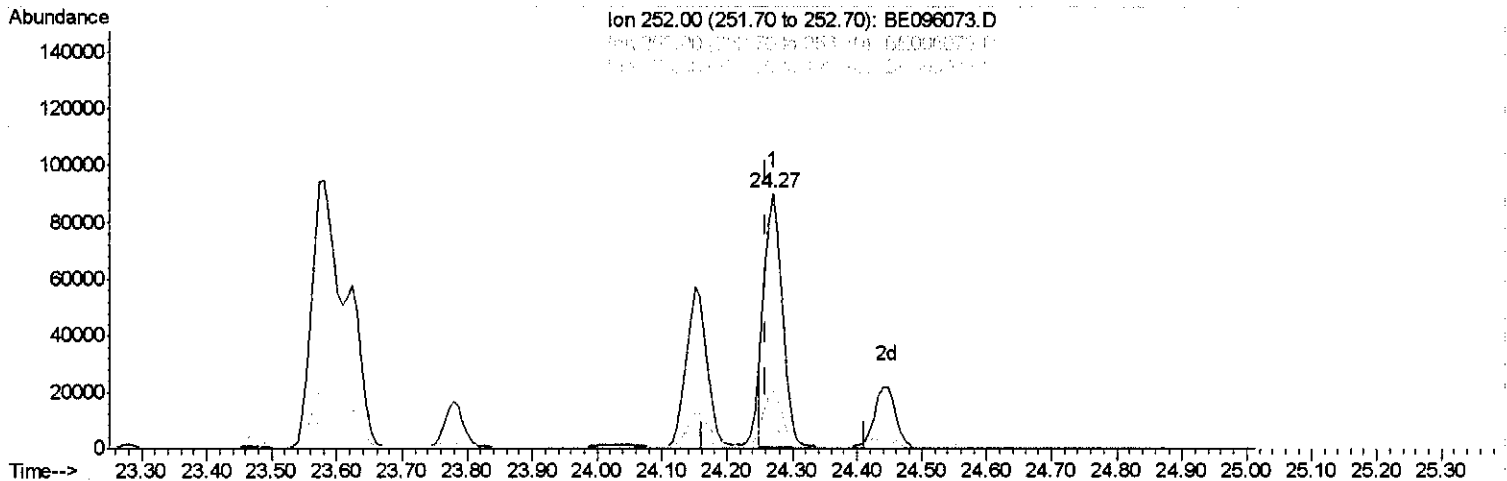
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096073.D
 Acq On : 21 Apr 2018 10:45
 Operator : SJ/JU
 Sample : J2434-09
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AC4

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:44:36 PM

Quant Time: Apr 23 04:11:44 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)

24.270min (+0.009) 7.02ng/ul

response 165993

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	22.86#
125.00	22.60	9.98#
0.00	0.00	0.00

Quantitation Report (Qedit)

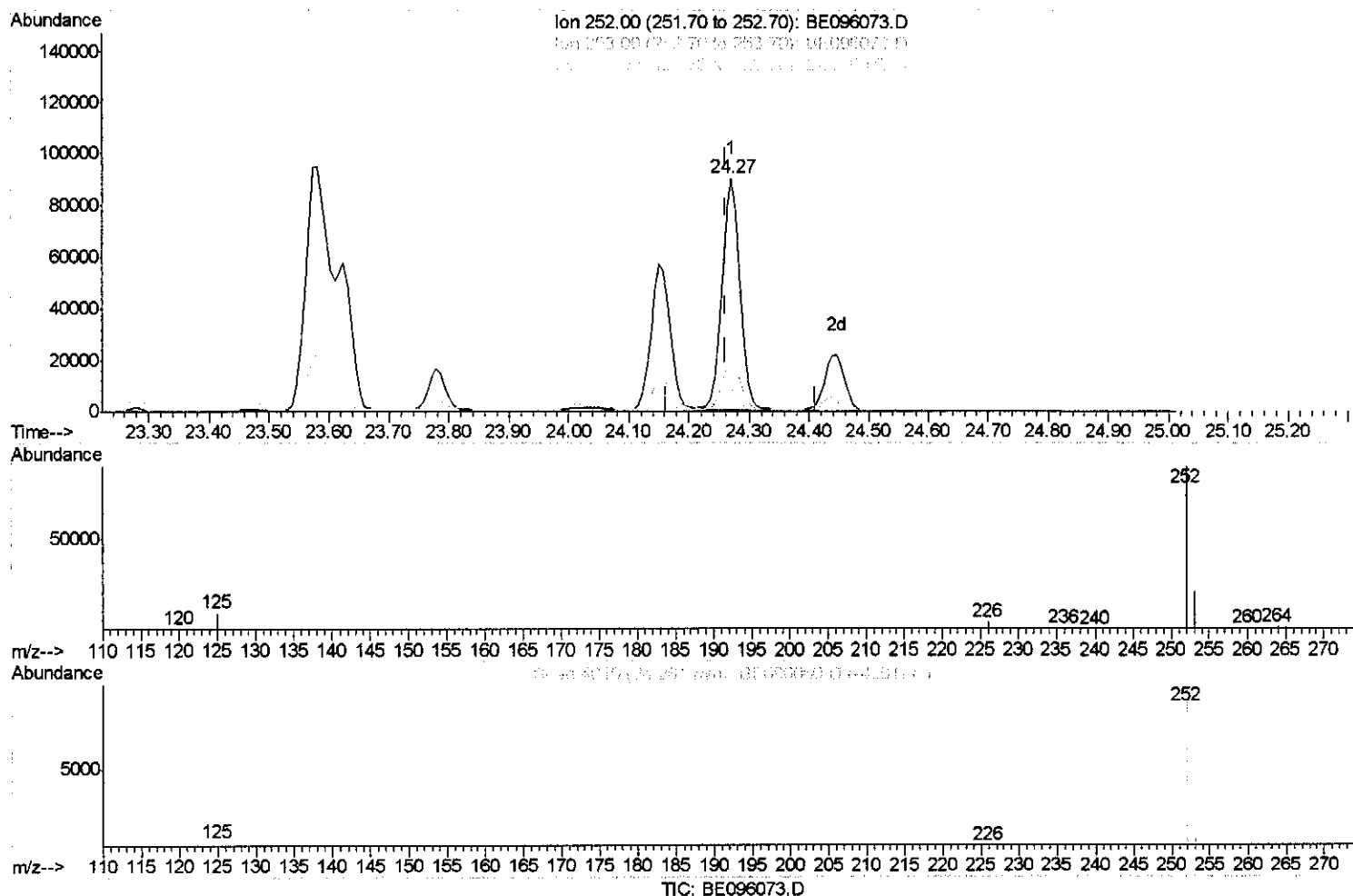
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
Data File : BE096073.D
Acq On : 21 Apr 2018 10:45
Operator : SJ/JU
Sample : J2434-09
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC4

Manual Integrations
APPROVED

Sohil
4/23/2018 6:44:36 PM

Quant Time: Apr 23 04:11:44 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)

24.270min (+0.009) 7.83ng/ul m > SJ 4/24/18

response 185200

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	22.86#
125.00	22.60	9.98#
0.00	0.00	0.00

Quantitation Report (Qedit)

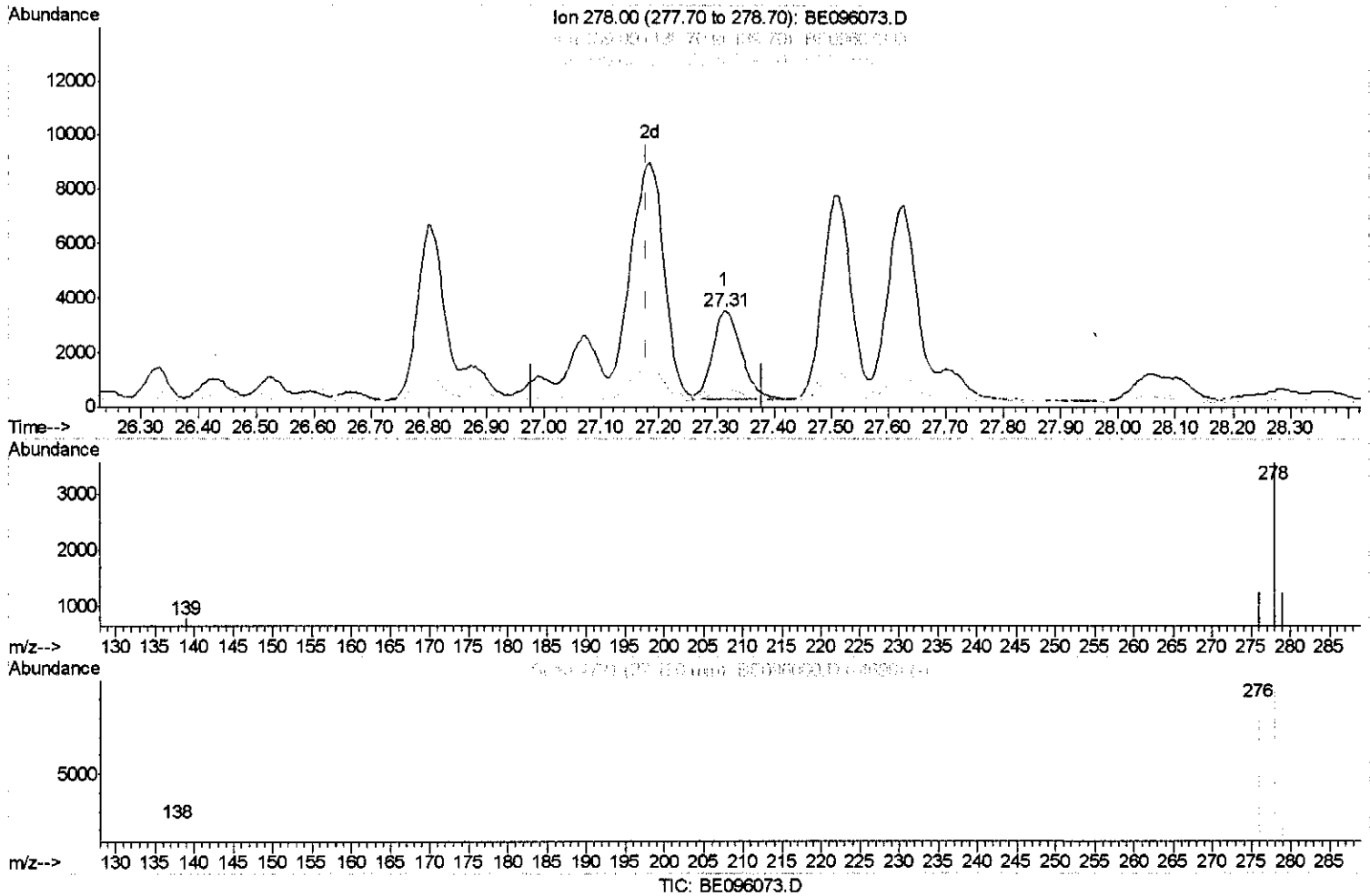
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096073.D
 Acq On : 21 Apr 2018 10:45
 Operator : SJ/JU
 Sample : J2434-09
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AC4

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:44:36 PM

Quant Time: Apr 23 04:11:44 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

27.312min (+0.133) 0.54ng/ul

response 11419

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	21.98
279.00	32.40	34.86
0.00	0.00	0.00

Quantitation Report (Qedit)

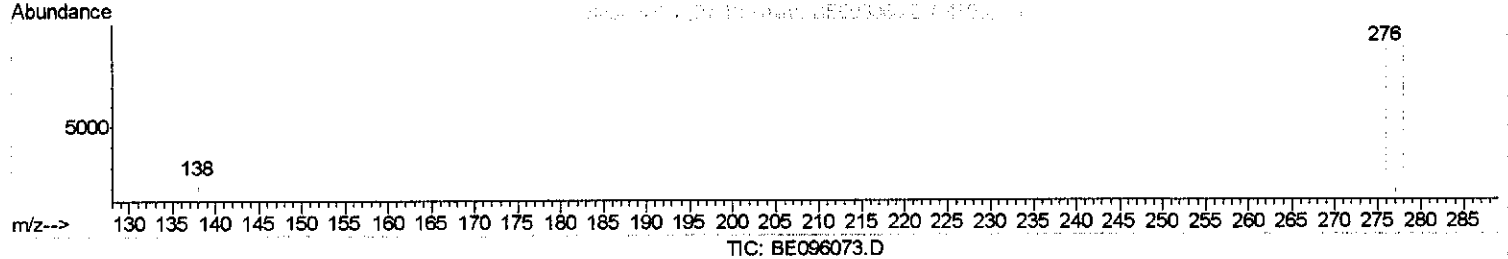
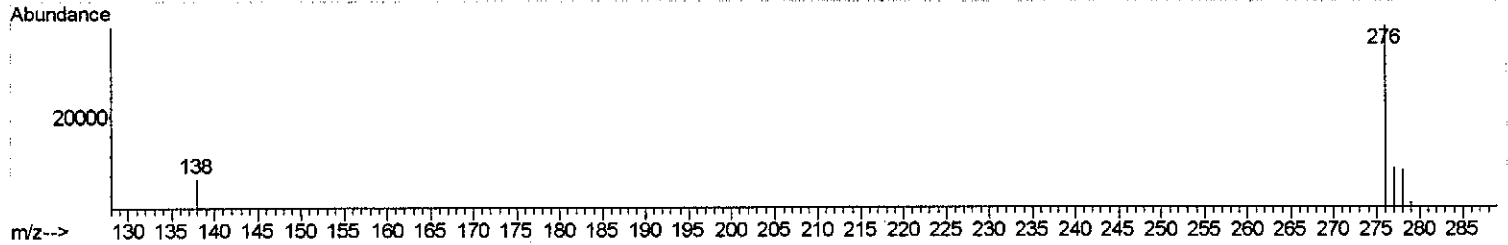
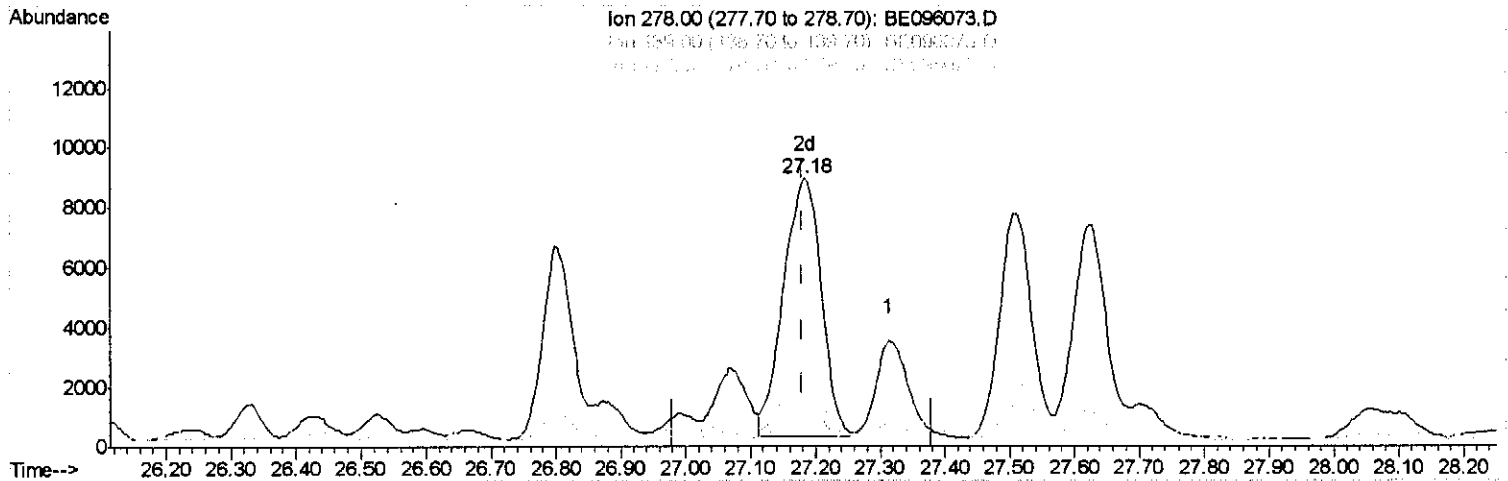
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096073.D
 Acq On : 21 Apr 2018 10:45
 Operator : SJ/JU
 Sample : J2434-09
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AC4

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:44:36 PM

Quant Time: Apr 23 04:11:44 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

27.184min (+0.004) 1.66ng/ul m> SJ 4/24/18
 response 35150

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	16.97#
279.00	32.40	27.52
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096073.D
 Acq On : 21 Apr 2018 10:45
 Operator : SJ/JU
 Sample : J2434-09
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AC4

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:44:36 PM

Quant Time: Apr 23 04:13:31 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	2135	0.40	ng/ul	0.00
2) Naphthalene-d8	11.20	136	6018	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.97	164	3516	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.68	188	7792m	0.40	ng/ul	0.00
16) Chrysene-d12	21.77	240	7320m	0.40	ng/ul	0.00
20) Perylene-d12	24.38	264	7575m	0.40	ng/ul	0.00

SJ 4/24/18

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.76	152	1909	0.17	ng/ul	0.00
14) Fluoranthene-d10	19.66	212	5017m	0.16	ng/ul	0.00

SJ 4/24/18

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	11.25	128	8085	0.481	ng/ul#	88
5) 2-Methylnaphthalene	12.83	142	6264	0.550	ng/ul	100
7) Acenaphthylene	14.70	152	4175	0.229	ng/ul	97
8) Acenaphthene	15.03	153	2121	0.162	ng/ul	90
9) Fluorene	15.99	166	2738	0.185	ng/ul	91
12) Phenanthrene	17.72	178	76611m	3.336	ng/ul	
13) Anthracene	17.81	178	15469m	0.677	ng/ul	
15) Fluoranthene	19.69	202	252593m	8.083	ng/ul	
17) Pyrene	20.04	202	270235	10.864	ng/ul#	77
18) Benzo(a)anthracene	21.75	228	205974m	6.965	ng/ul	
19) Chrysene	21.81	228	166100	7.804	ng/ul	98
21) Benzo(b)fluoranthene	23.58	252	255244m	10.413	ng/ul	
22) Benzo(k)fluoranthene	23.62	252	91443m	3.745	ng/ul	
23) Benzo(a)pyrene	24.27	252	185200m	7.830	ng/ul	
24) Indeno(1,2,3-cd)pyrene	27.18	276	130392	4.960	ng/ul#	74
25) Dibenzo(a,h)anthracene	27.18	278	35150m	1.661	ng/ul	
26) Benzo(a,h,i)perylene	28.05	276	129825	5.913	ng/ul#	92

SJ 4/24/18

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