

Quantitation Report (QT Reviewed)

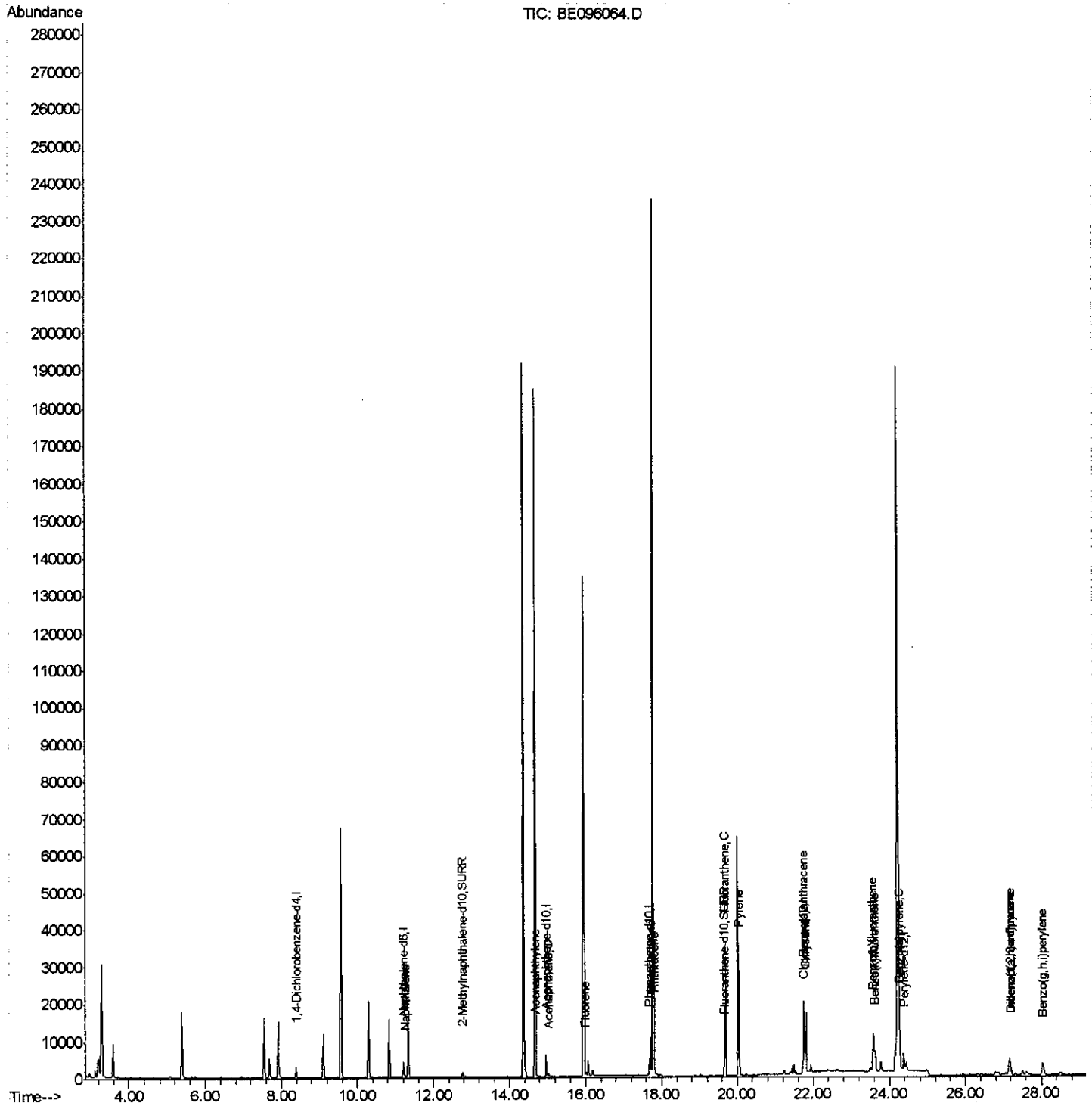
Instrument :
BNA_E
ClientSampleId :
C0AB8

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
Data File : BE096064.D
Acq On : 21 Apr 2018 5:25
Operator : SJ/JU
Sample : J2434-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Manual Integrations
APPROVED

Sohil
4/23/2018 6:44:20 PM

Quant Time: Apr 23 02:28:10 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)

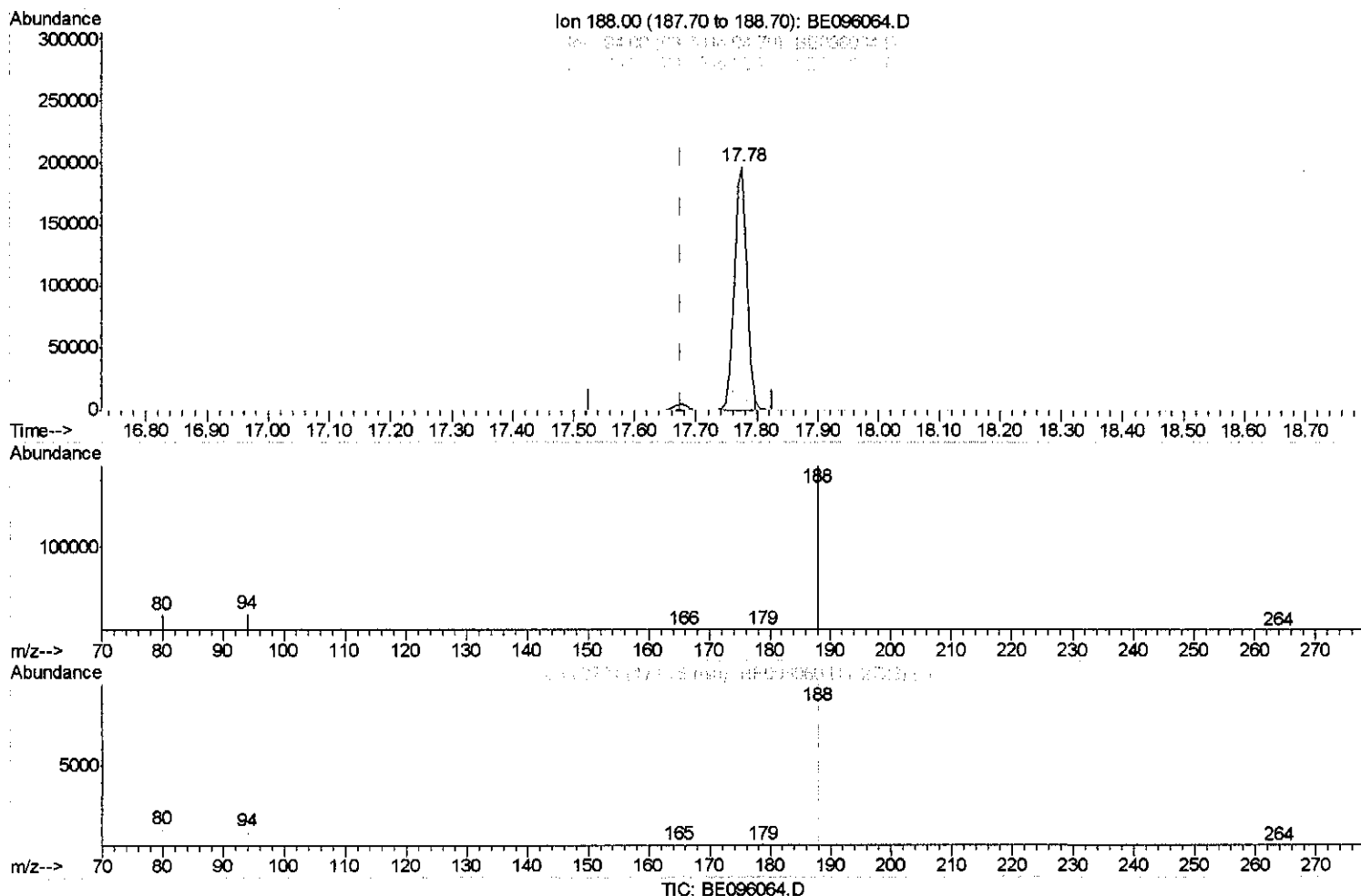
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096064.D
 Acq On : 21 Apr 2018 5:25
 Operator : SJ/JU
 Sample : J2434-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AB8

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:44:20 PM

Quant Time: Apr 23 01:09:04 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)

17.776min (+0.100) 0.40ng/ul

response 289099

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	9.95
80.00	11.80	9.34#
0.00	0.00	0.00

Quantitation Report (Qedit)

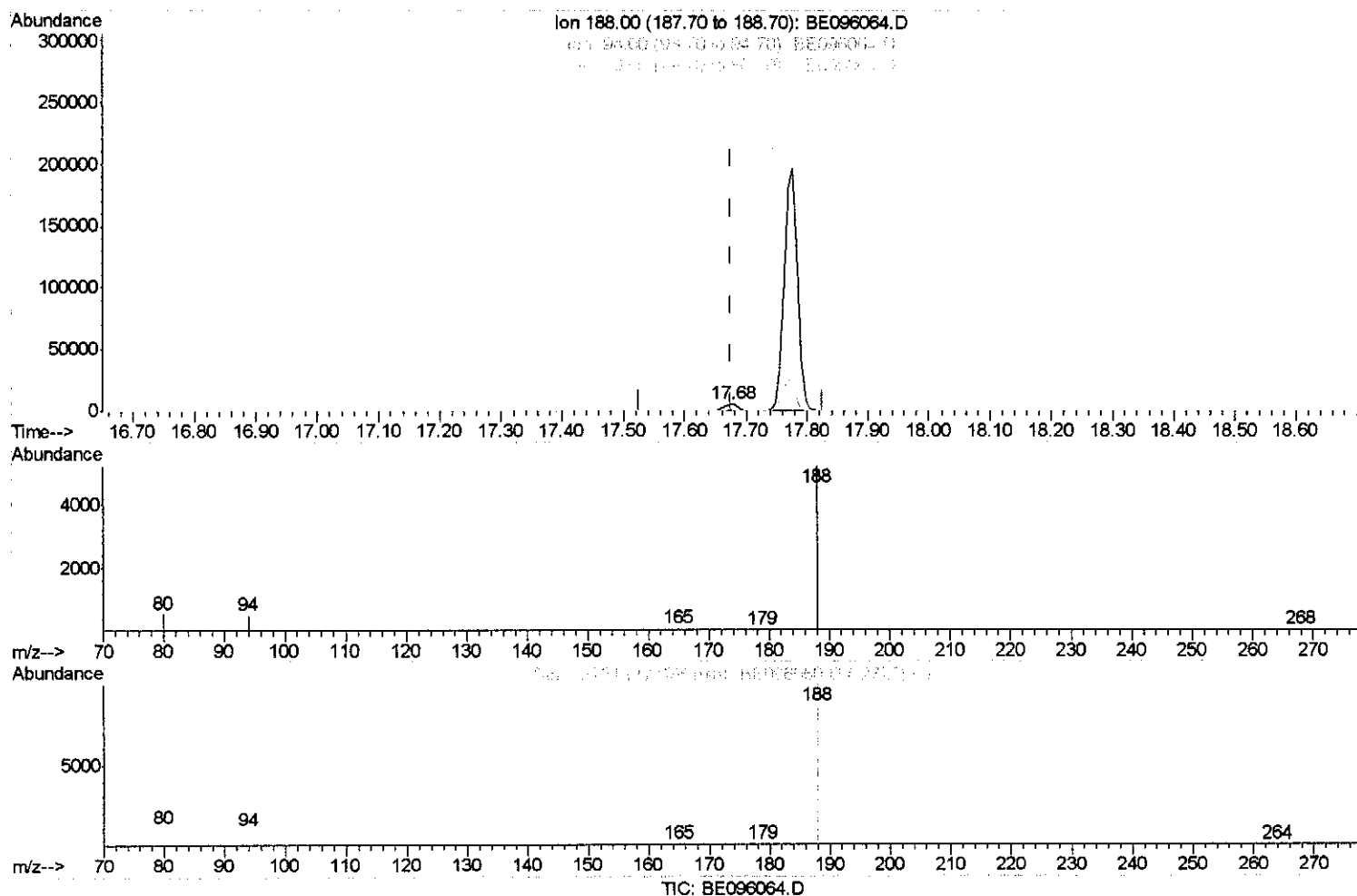
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096064.D
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 Operator : SJ/JU
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Sohil
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Quant Time: Apr 23 01:09:04 2018
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.677min (+0.001) 0.40ng/ul m } SJ 6/24/18

response 7388

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	9.89
80.00	11.80	10.94
0.00	0.00	0.00

Quantitation Report (Qedit)

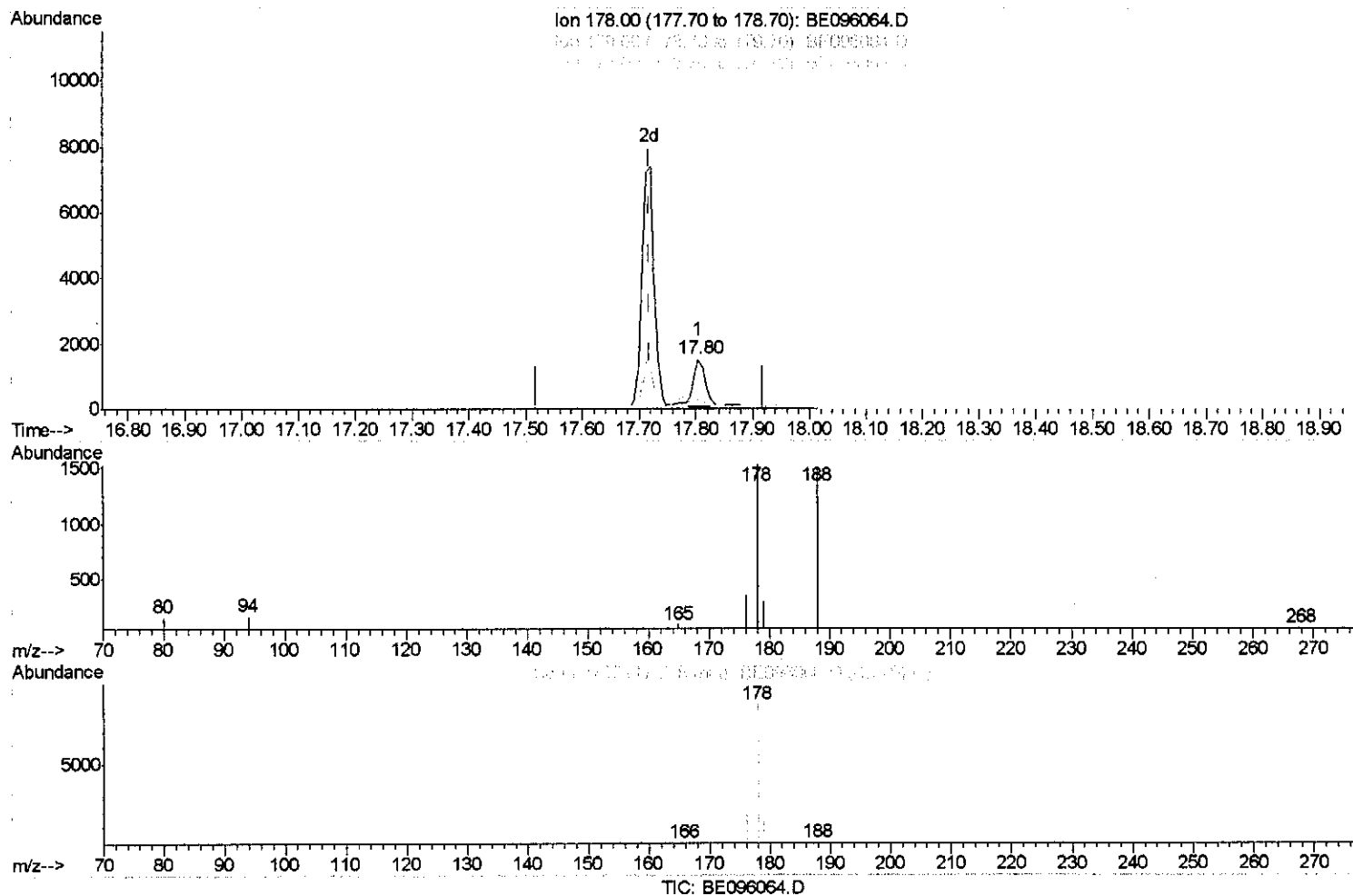
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
Data File : BE096064.D
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Quant Time: Apr 23 02:24:37 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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(12) Phenanthrene

17.804min (+0.086) 0.11ng/ul

response 2345

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	19.04
176.00	17.00	22.72#
0.00	0.00	0.00

Quantitation Report (Qedit)

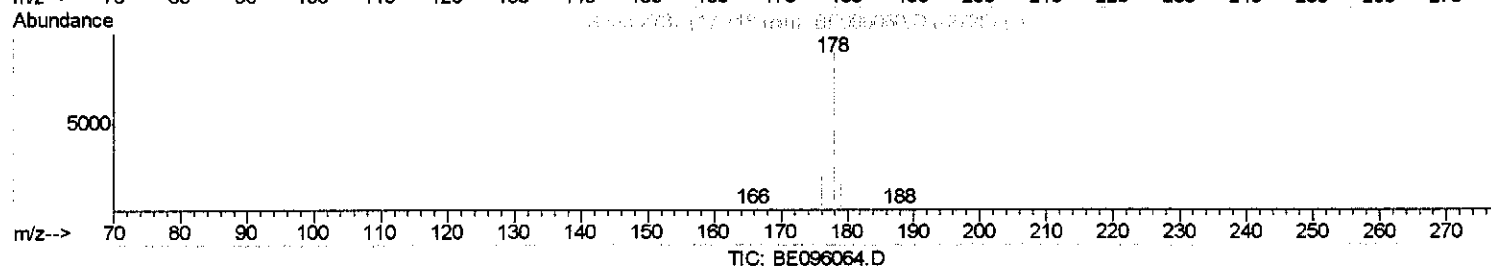
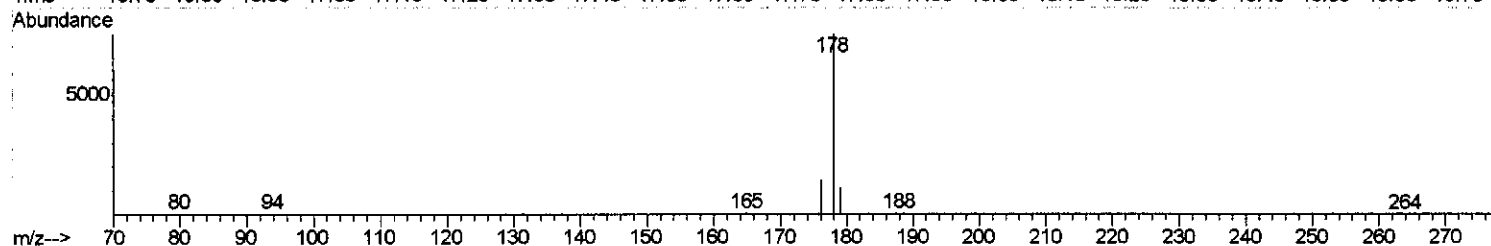
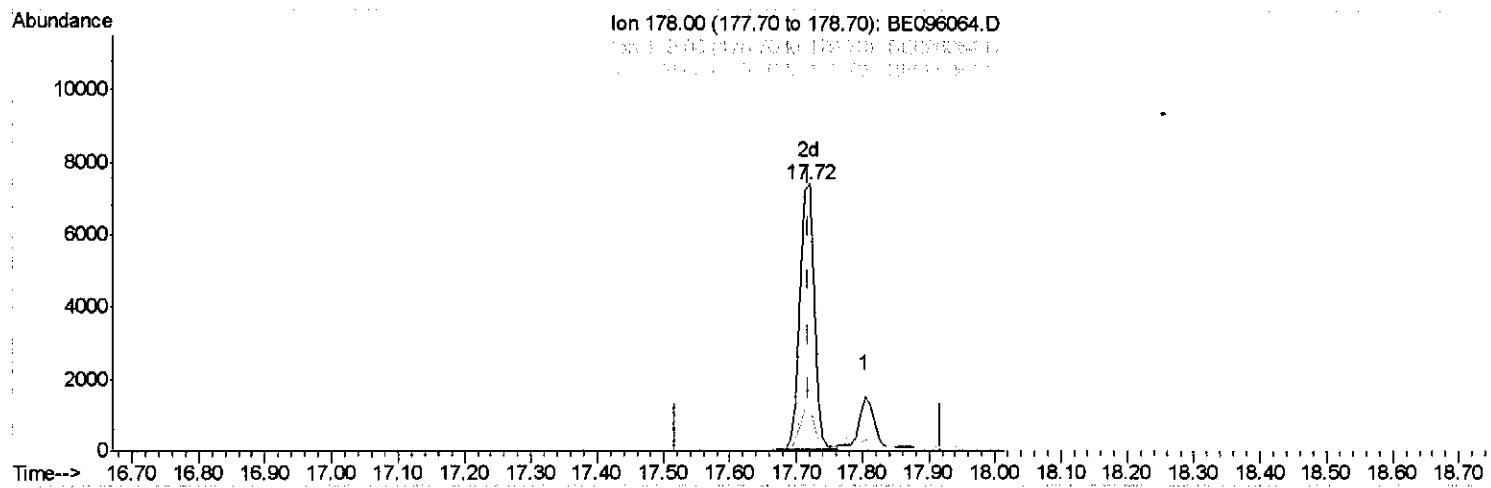
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
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(12) Phenanthrene

17.719min (+0.001) 0.51ng/ul m

> SJ 4/24/18

response 11047

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	15.72#
176.00	17.00	19.98
0.00	0.00	0.00

Quantitation Report (Qedit)

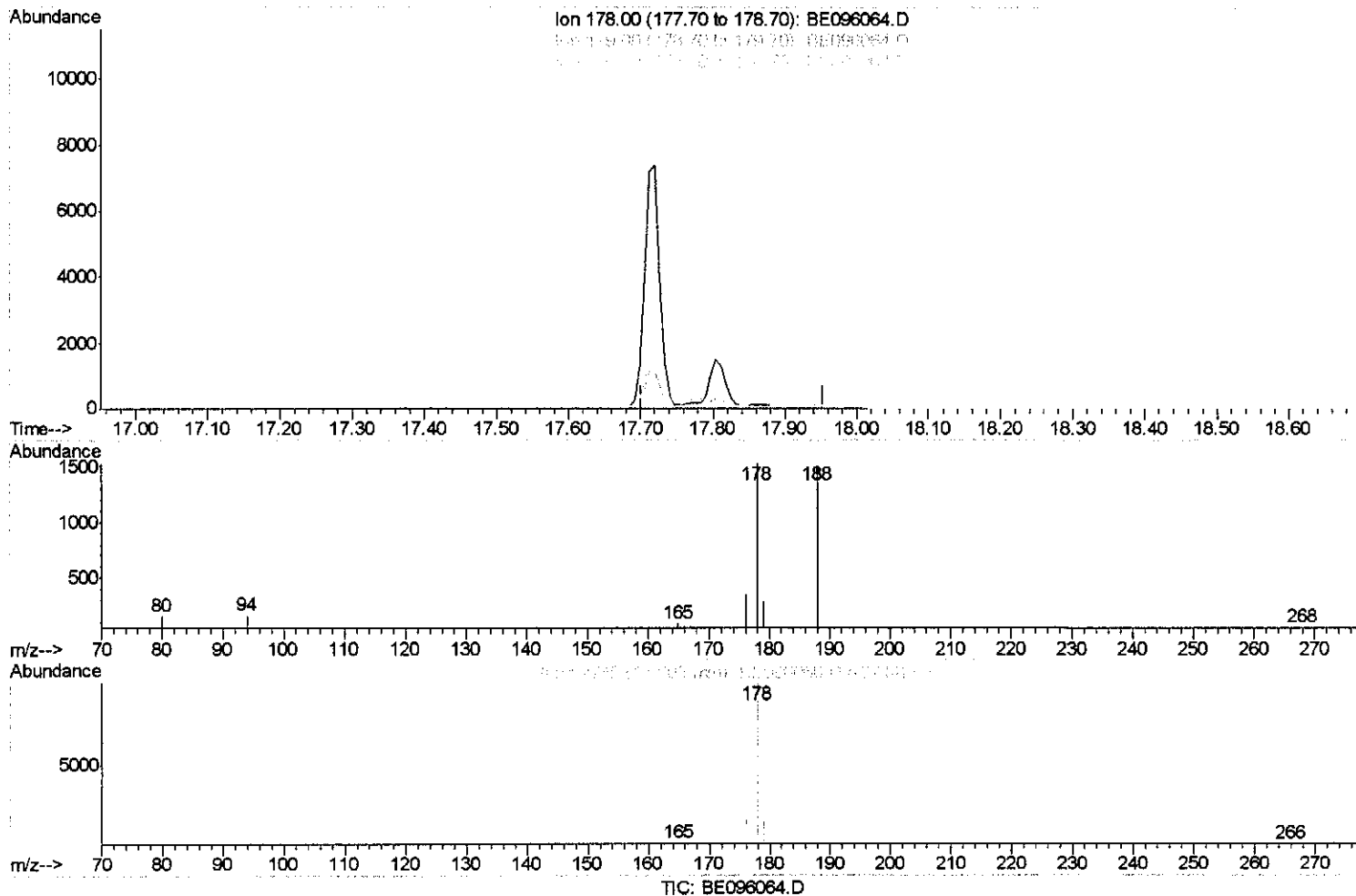
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
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(13) Anthracene

17.803min (-17.803) 0.00ng/ul

response 0

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

Quantitation Report (Qedit)

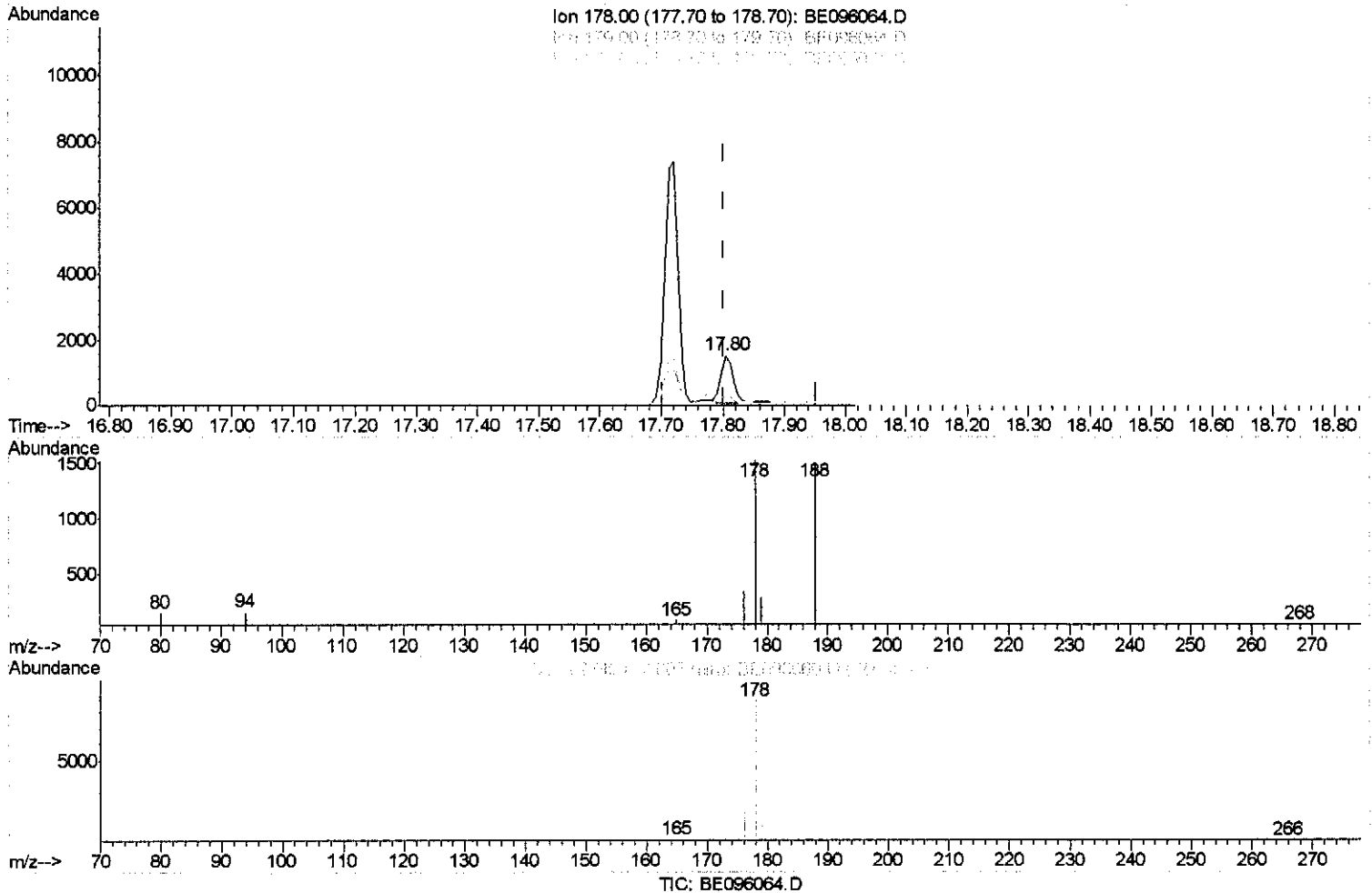
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096064.D
 Acq On : 21 Apr 2018 5:25
 Operator : SJ/JU
 Sample : J2434-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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(13) Anthracene

17.804min (+0.001) 0.10ng/ul m > SJ 4/24/18

response 2104

Ion	Exp%	Act%
178.00	100	100
179.00	22.60	19.04
176.00	18.40	22.72#
0.00	0.00	0.00

Quantitation Report (Qedit)

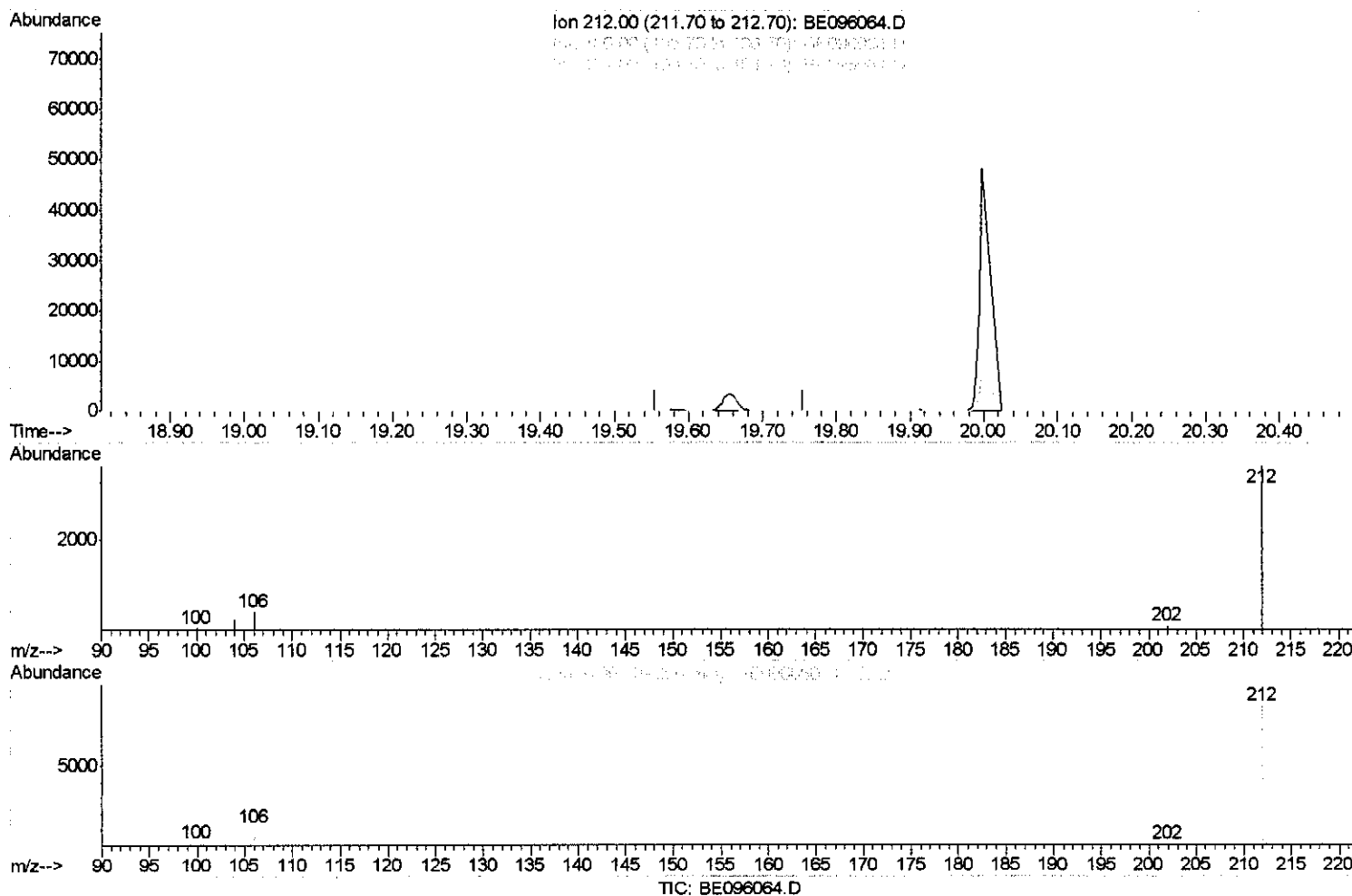
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096064.D
 Acq On : 21 Apr 2018 5:25
 Operator : SJ/JU
 Sample : J2434-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
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Manual Integrations
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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)

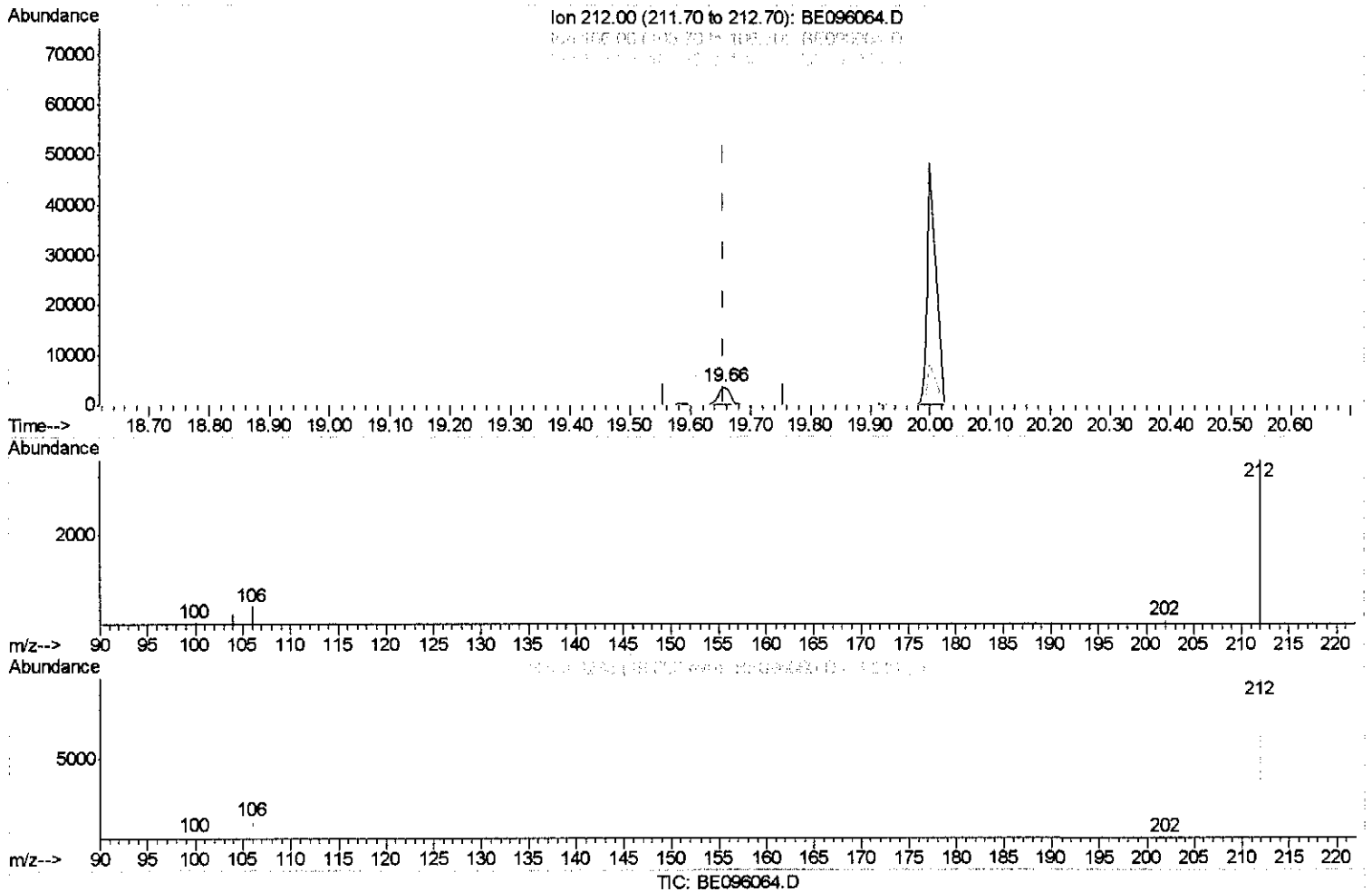
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096064.D
 Acq On : 21 Apr 2018 5:25
 Operator : SJ/JU
 Sample : J2434-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
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Manual Integrations
 APPROVED

Sohil
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(14) Fluoranthene-d10 (SURR)

19.655min (-0.001) 0.15ng/ul m

SJ 4/24/18

response 4672

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)

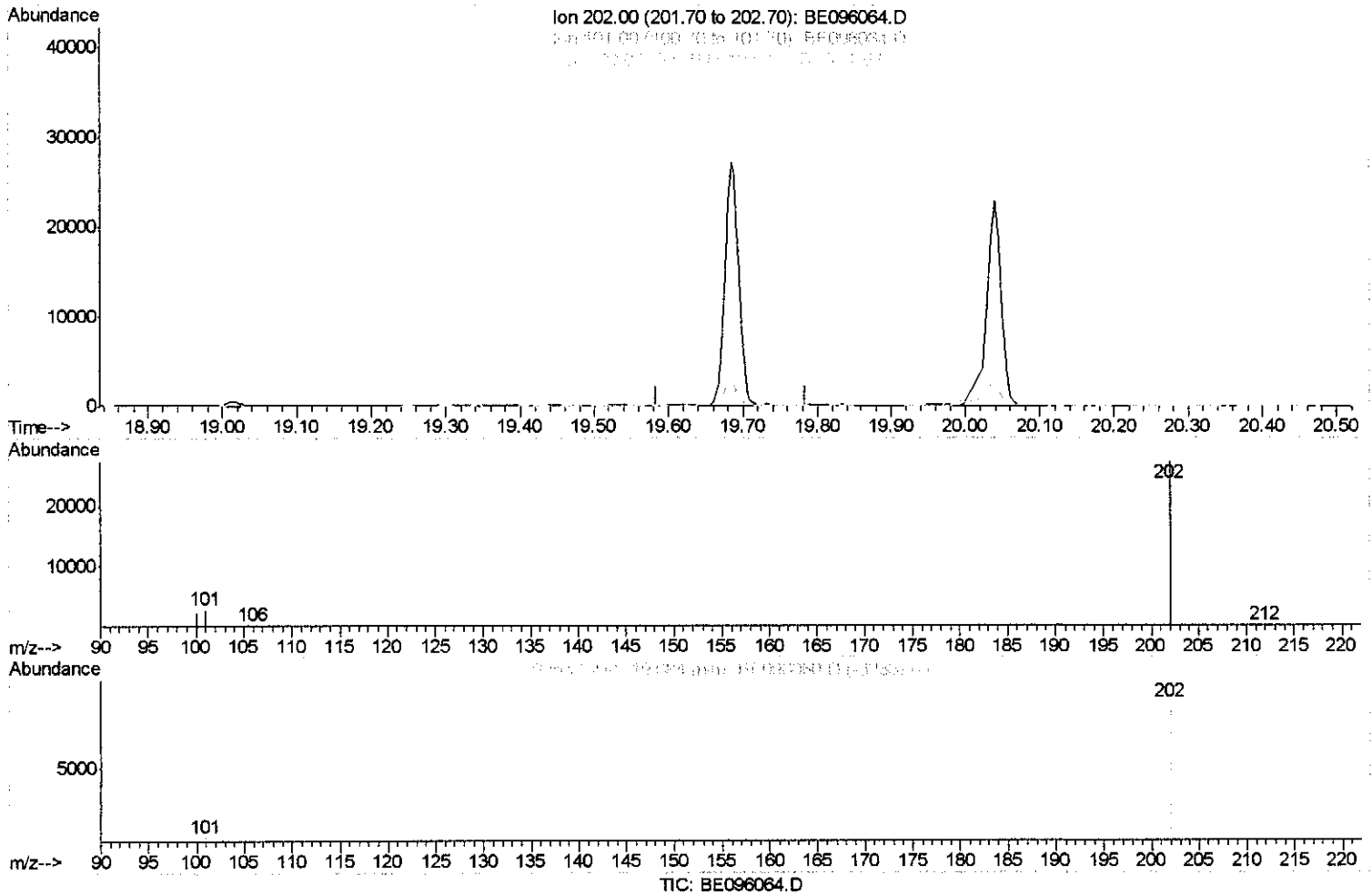
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096064.D
 Acq On : 21 Apr 2018 5:25
 Operator : SJ/JU
 Sample : J2434-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AB8

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)

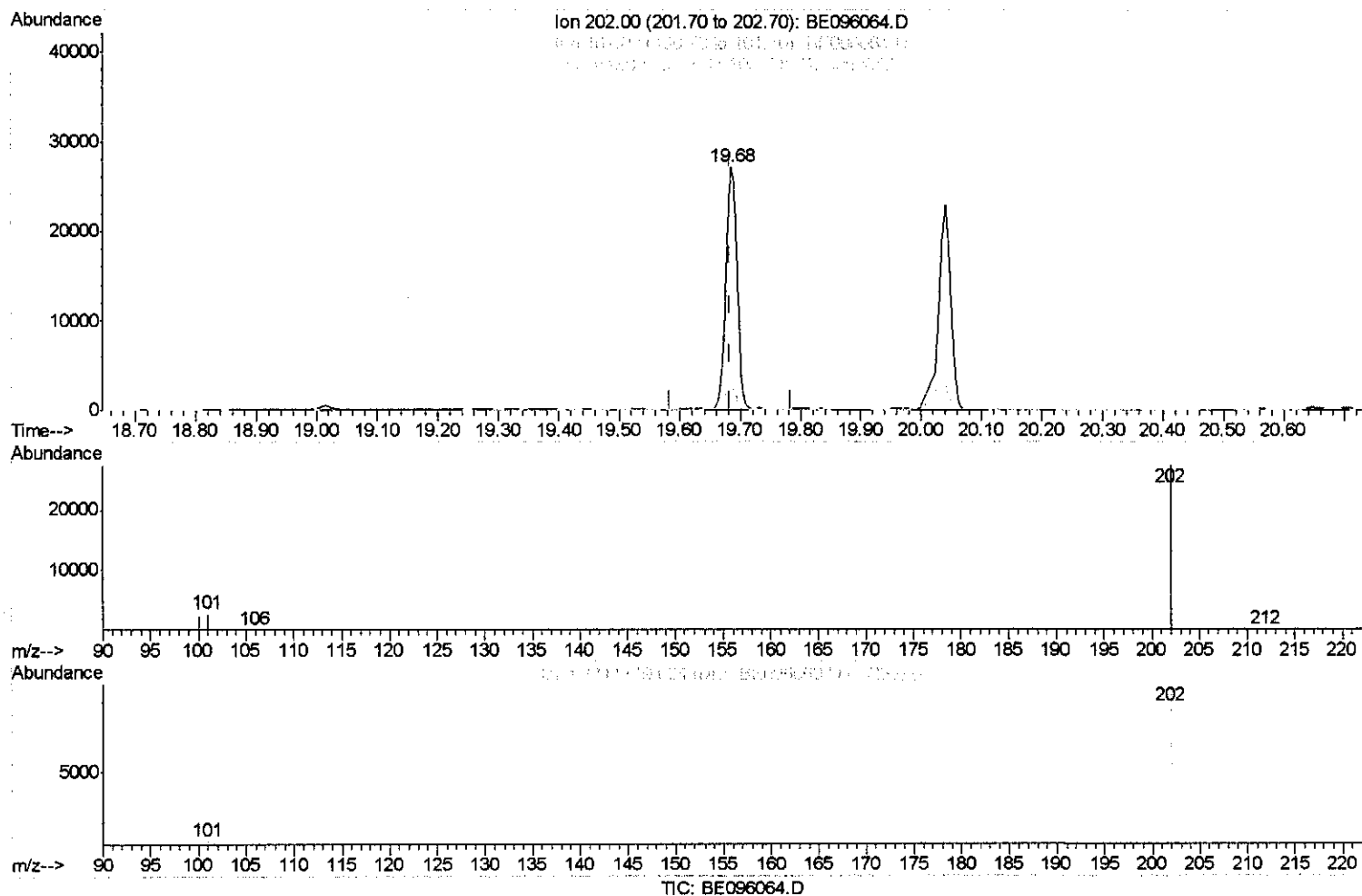
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096064.D
 Acq On : 21 Apr 2018 5:25
 Operator : SJ/JU
 Sample : J2434-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AB8

Manual Integrations
 APPROVED

Sohil
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(15) Fluoranthene (C)

19.684min (-0.001) 1.17ng/ul m) SJ 4/24/18

response 34747

Ion	Exp%	Act%
202.00	100	100
101.00	10.30	10.04
100.00	19.50	8.42
0.00	0.00	0.00

Quantitation Report (Qedit)

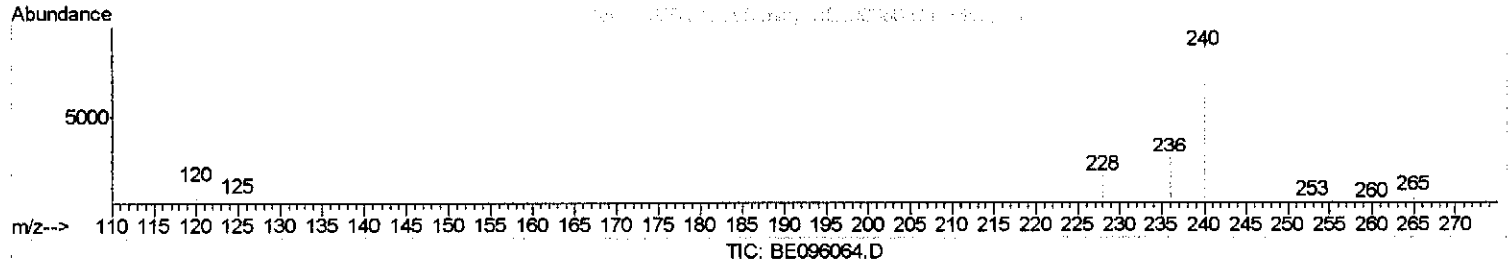
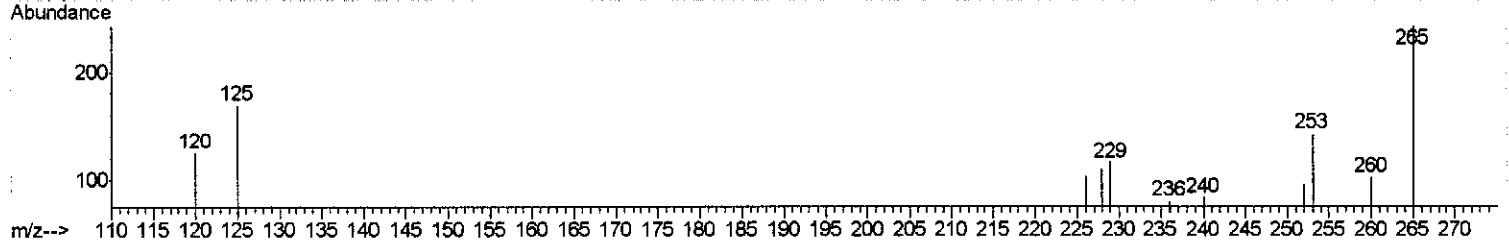
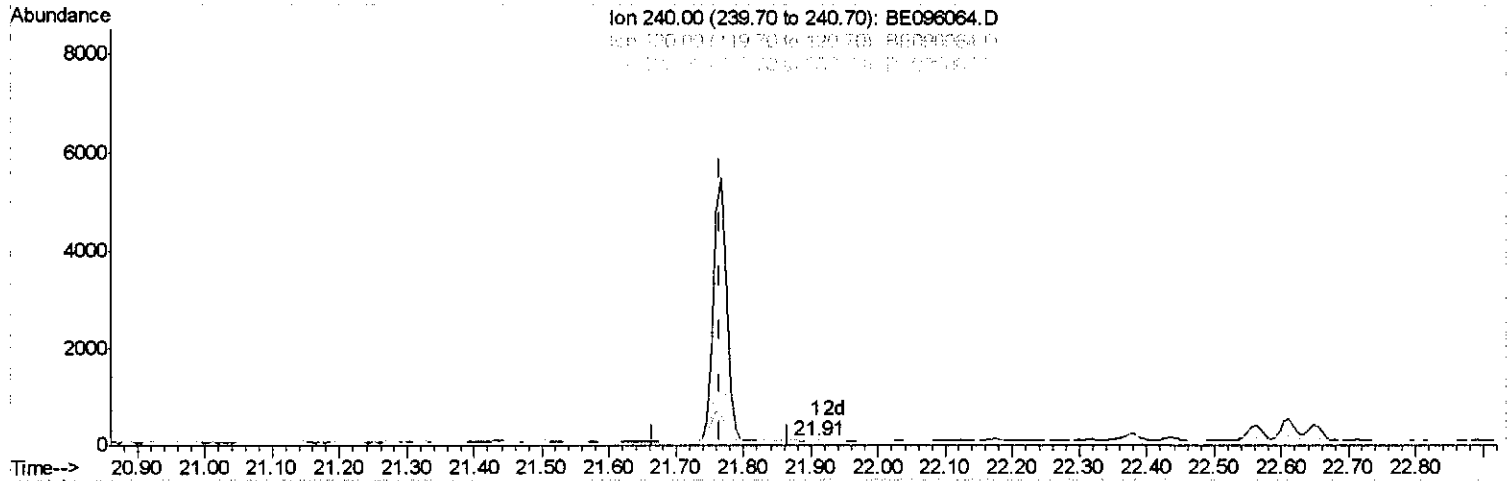
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096064.D
 Acq On : 21 Apr 2018 5:25
 Operator : SJ/JU
 Sample : J2434-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AB8

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:44:20 PM

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(16) Chrysene-d12 (I)

21.908min (+0.142) 0.40ng/ul

response 20

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	148.81#
236.00	34.90	95.24#
0.00	0.00	0.00

Quantitation Report (Qedit)

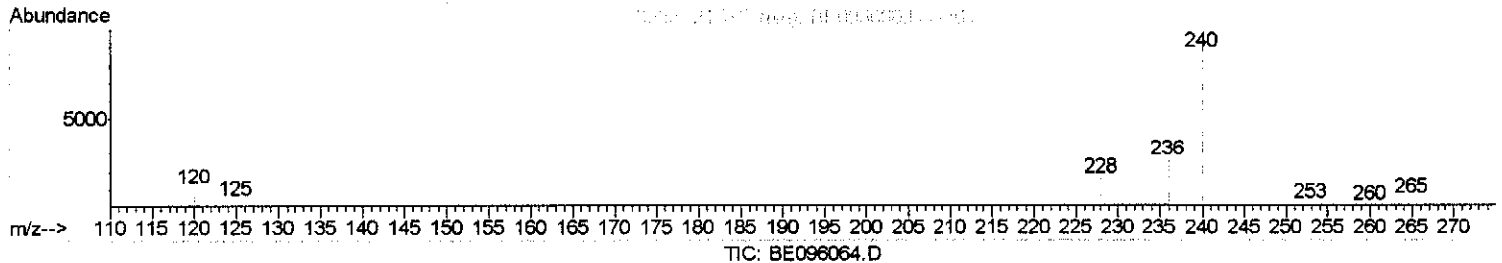
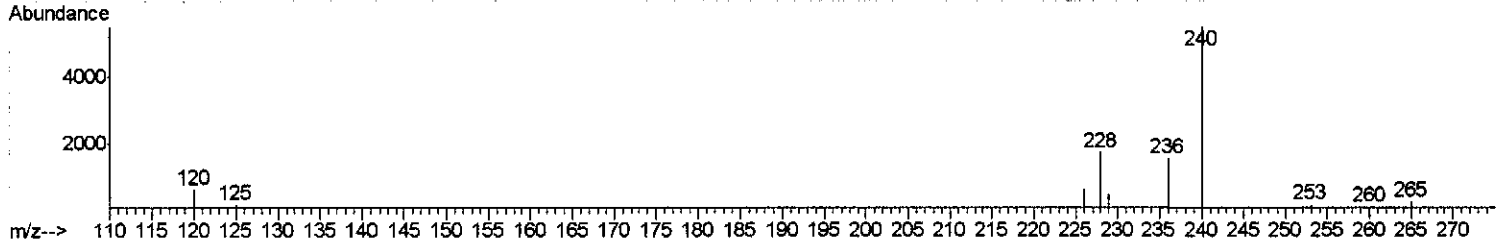
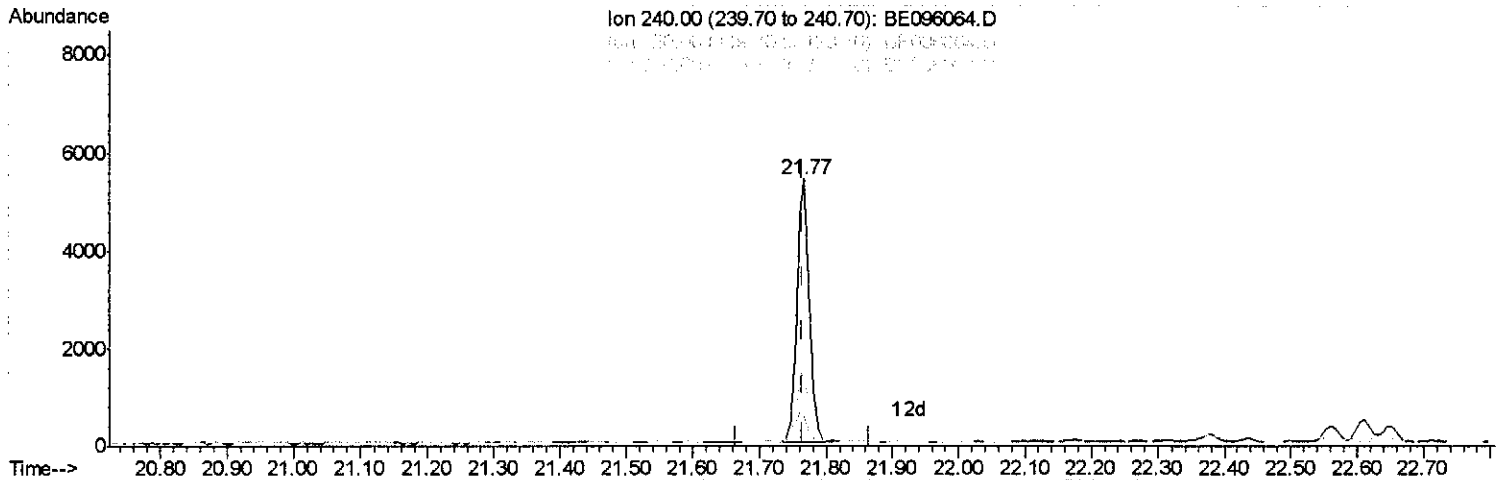
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096064.D
 Acq On : 21 Apr 2018 5:25
 Operator : SJ/JU
 Sample : J2434-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

Sohil
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 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 7330

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	11.18#
236.00	34.90	28.16
0.00	0.00	0.00

Quantitation Report (Qedit)

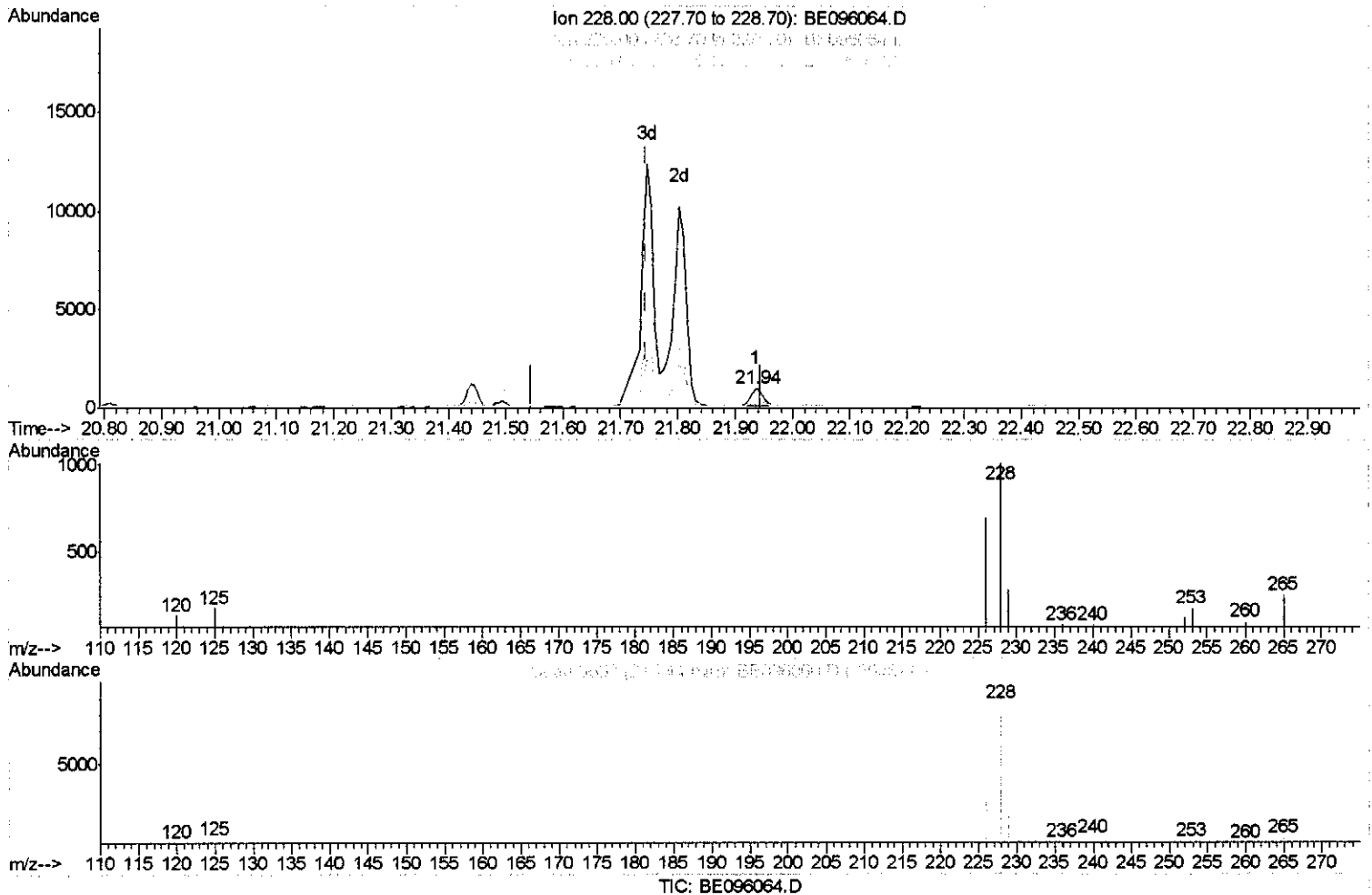
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096064.D
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Instrument :
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Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:44:20 PM

Quant Time: Apr 23 02:26:36 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
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(18) Benzo(a)anthracene
 21.936min (+0.192) 0.05ng/ul
 response 1391

Ion	Exp%	Act%
228.00	100	100
229.00	28.50	28.29
226.00	21.30	69.02#
0.00	0.00	0.00

Quantitation Report (Qedit)

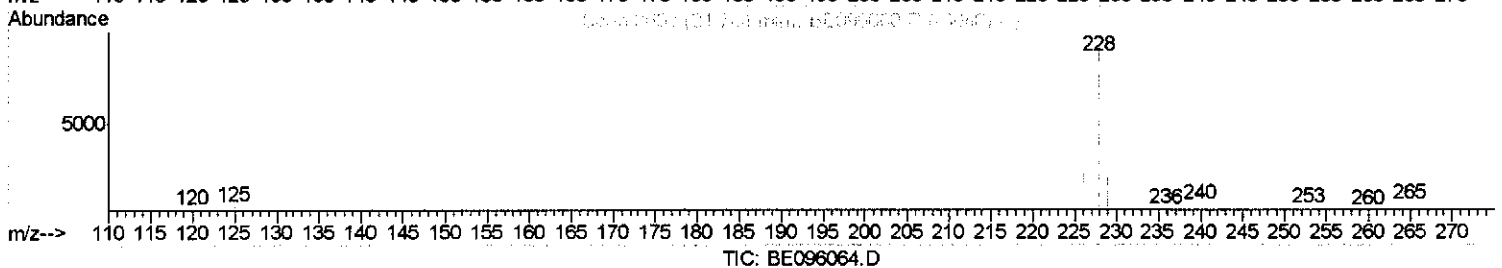
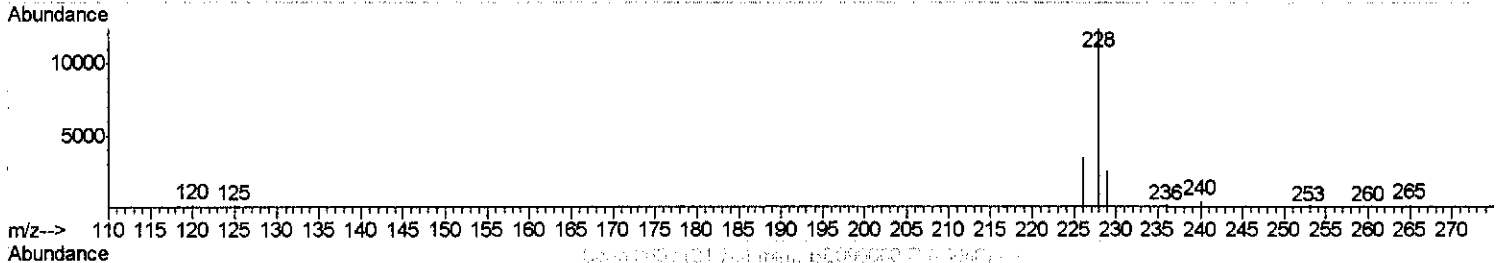
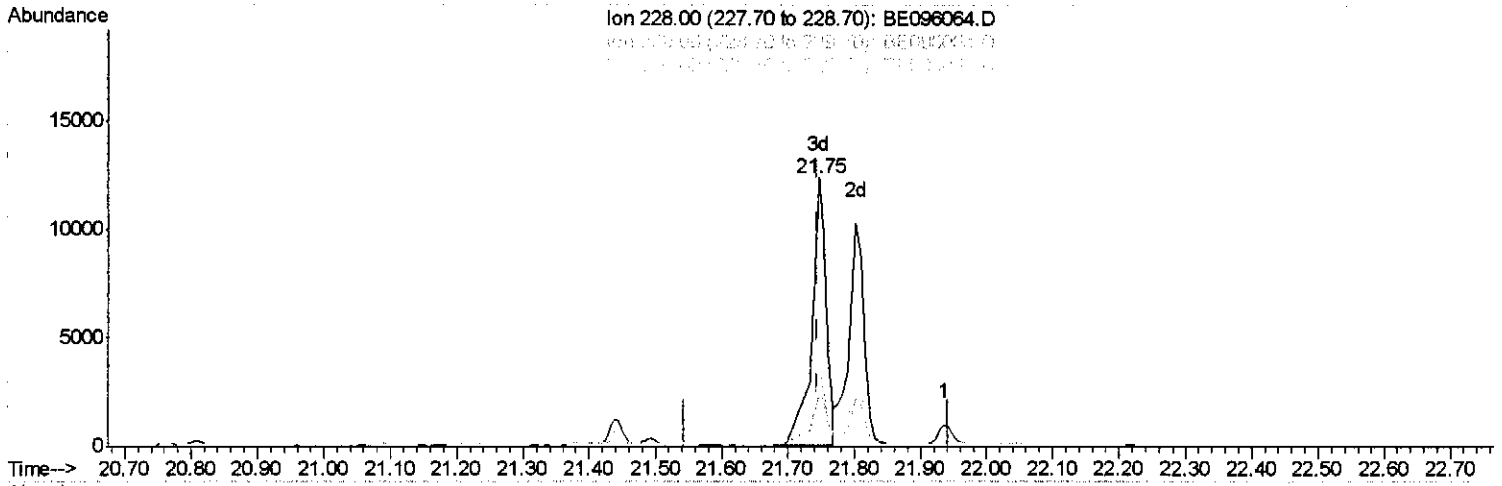
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Manual Integrations
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(18) Benzo(a)anthracene

21.746min (+0.002) 0.72ng/ul m⁵ 52 4/24/18

response 21184

Ion	Exp%	Act%
228.00	100	100
229.00	28.50	20.40#
226.00	21.30	28.29#
0.00	0.00	0.00

Quantitation Report (Qedit)

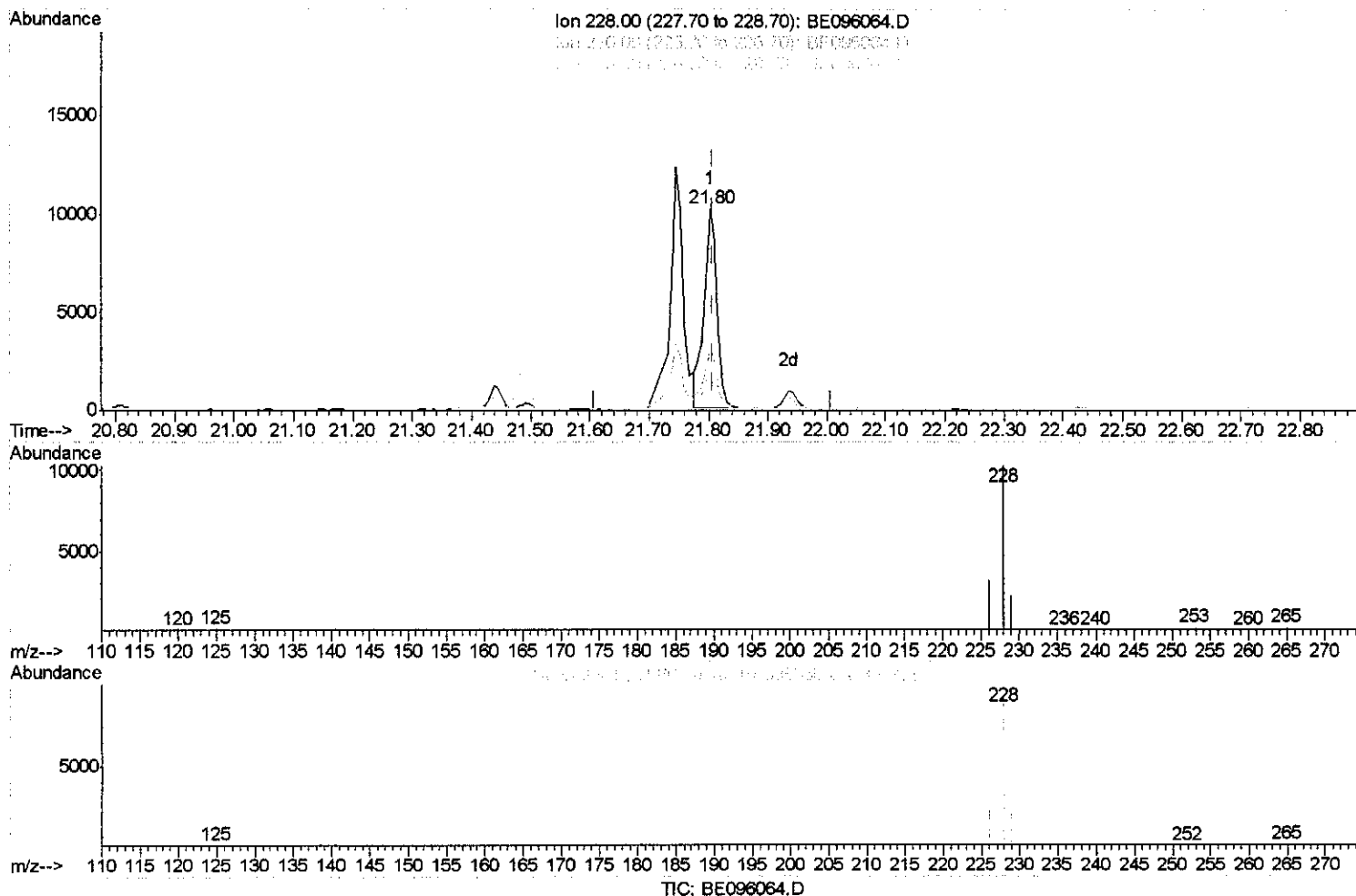
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(19) Chrysene

21.802min (-0.005) 0.73ng/ul

response 15505

Ion	Exp%	Act%
228.00	100	100
226.00	29.20	30.91
229.00	22.10	22.02
0.00	0.00	0.00

Quantitation Report (Qedit)

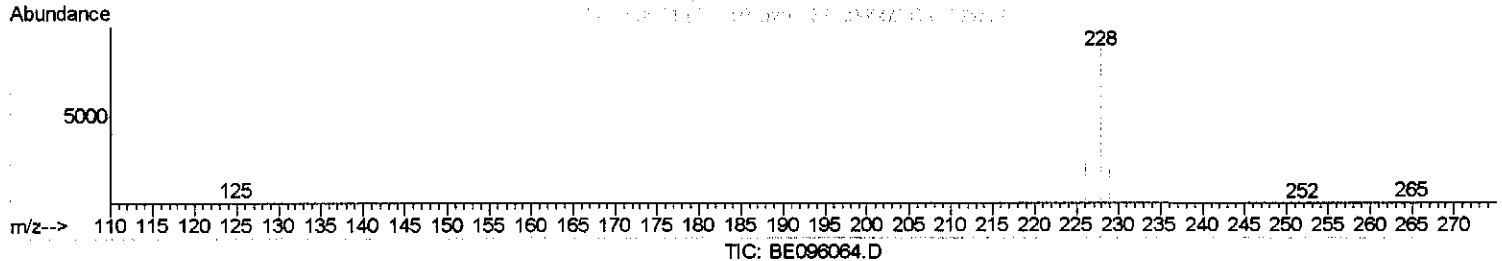
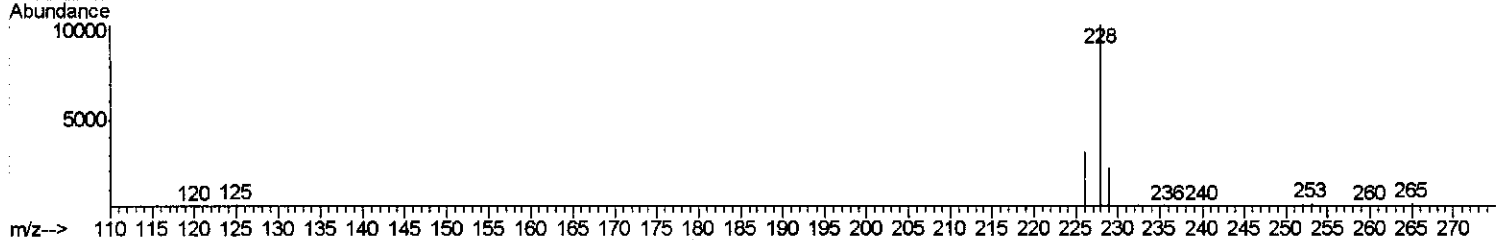
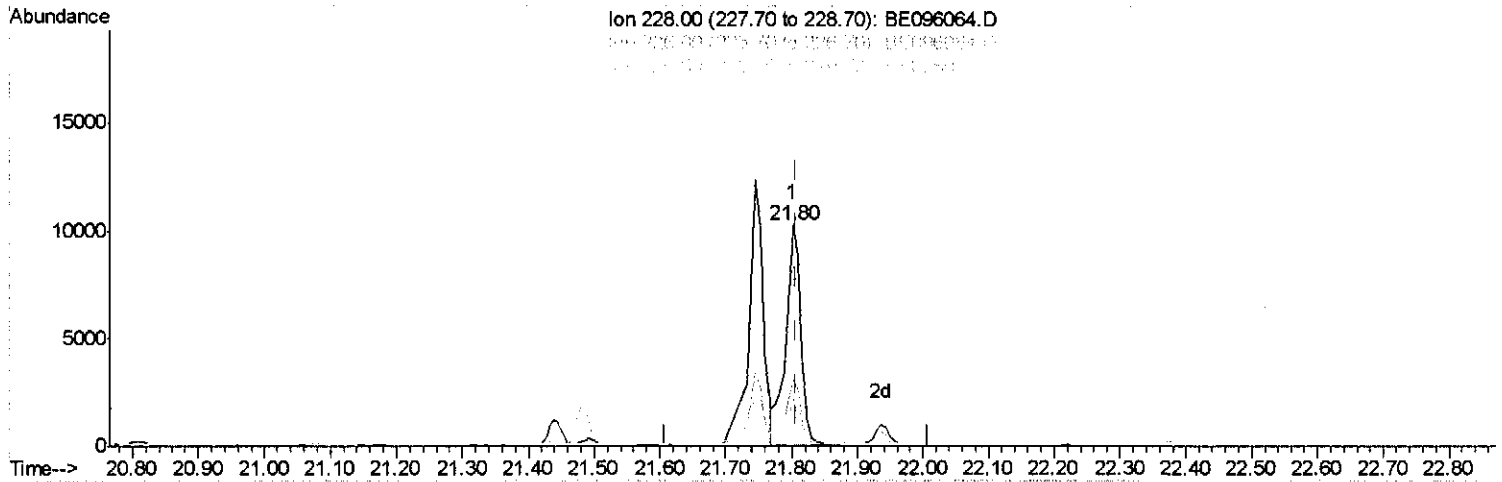
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(19) Chrysene

21.802min (-0.005) 0.77ng/ul m > SJ 4/24/18

response 16513

Ion	Exp%	Act%
228.00	100	100
226.00	29.20	30.91
229.00	22.10	22.02
0.00	0.00	0.00

Quantitation Report (Qedit)

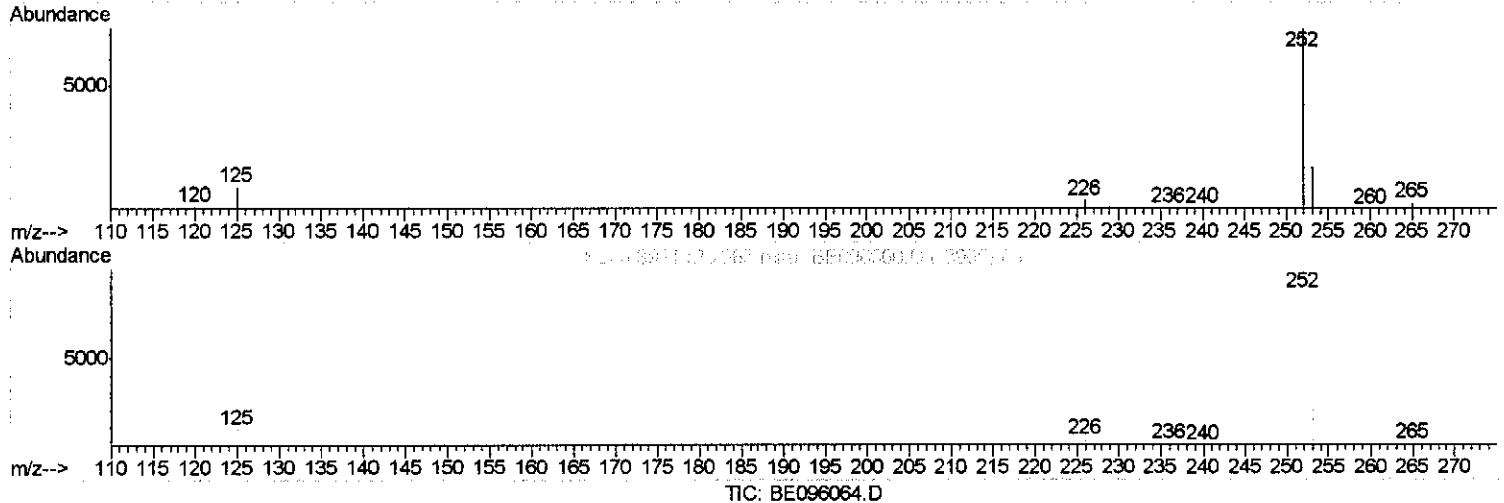
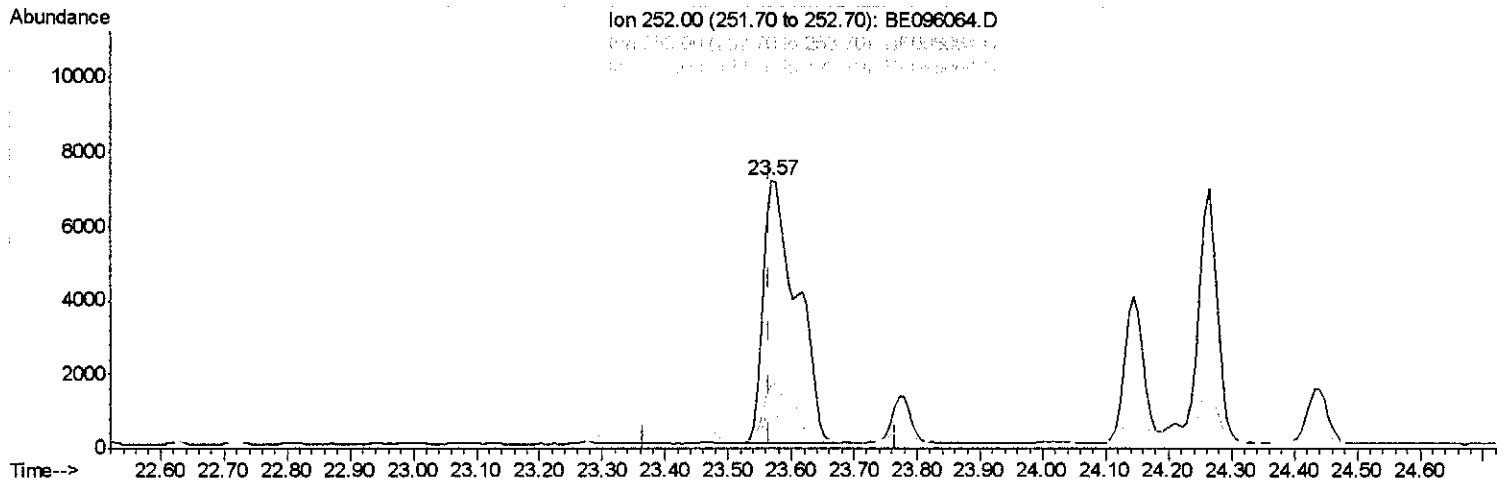
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Quant Time: Apr 23 02:26:36 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 01:07:45 2018
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

23.567min (+0.002) 1.07ng/ul

response 26179

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	24.07
125.00	17.50	12.59
0.00	0.00	0.00

Quantitation Report (Qedit)

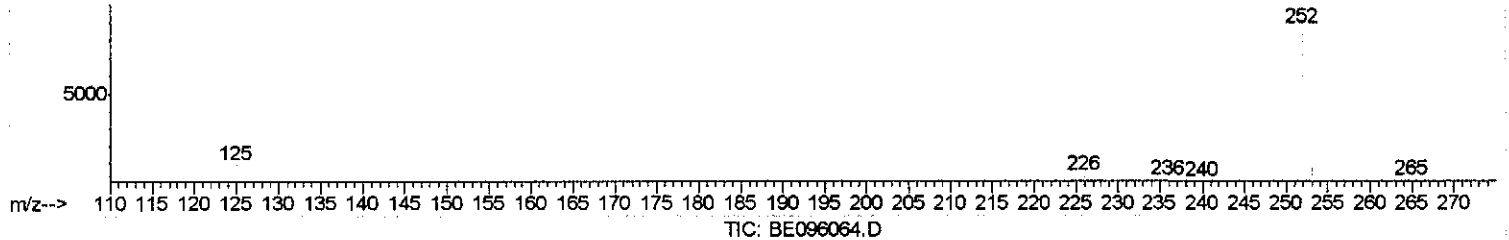
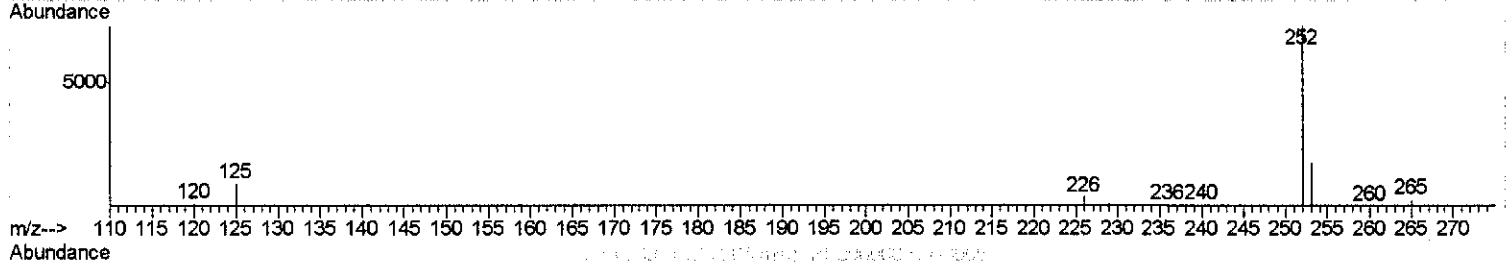
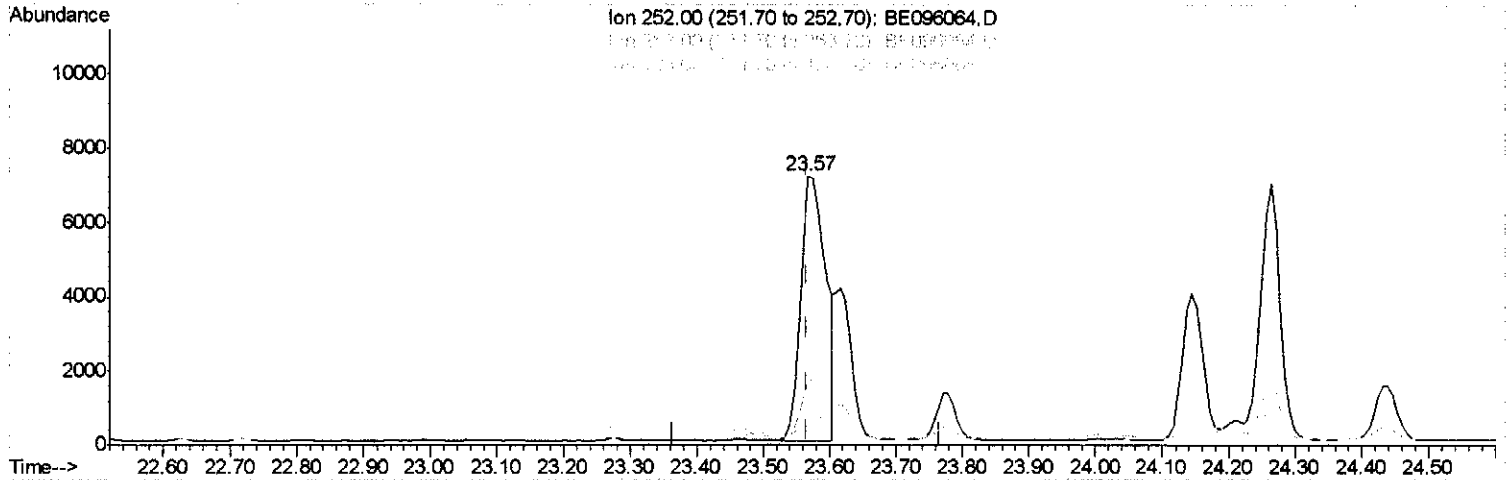
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096064.D
 Acq On : 21 Apr 2018 5:25
 Operator : SJ/JU
 Sample : J2434-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AB8

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:44:20 PM

Quant Time: Apr 23 02:26:36 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



(21) Benzo(b)fluoranthene

23.567min (+0.002) 0.78ng/ul m > SJ 4/24/18

response 18929

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	24.07
125.00	17.50	12.59
0.00	0.00	0.00

Quantitation Report (Qedit)

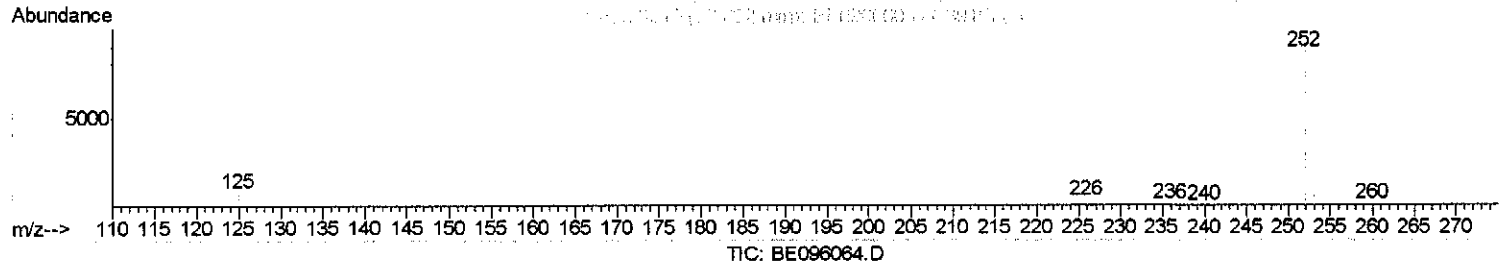
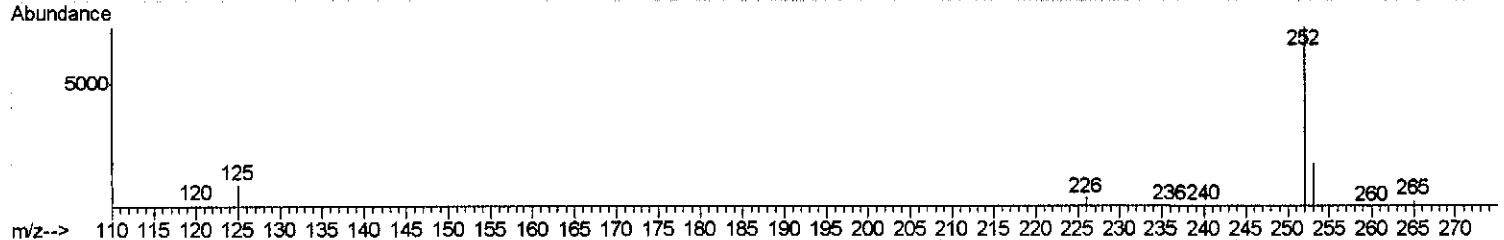
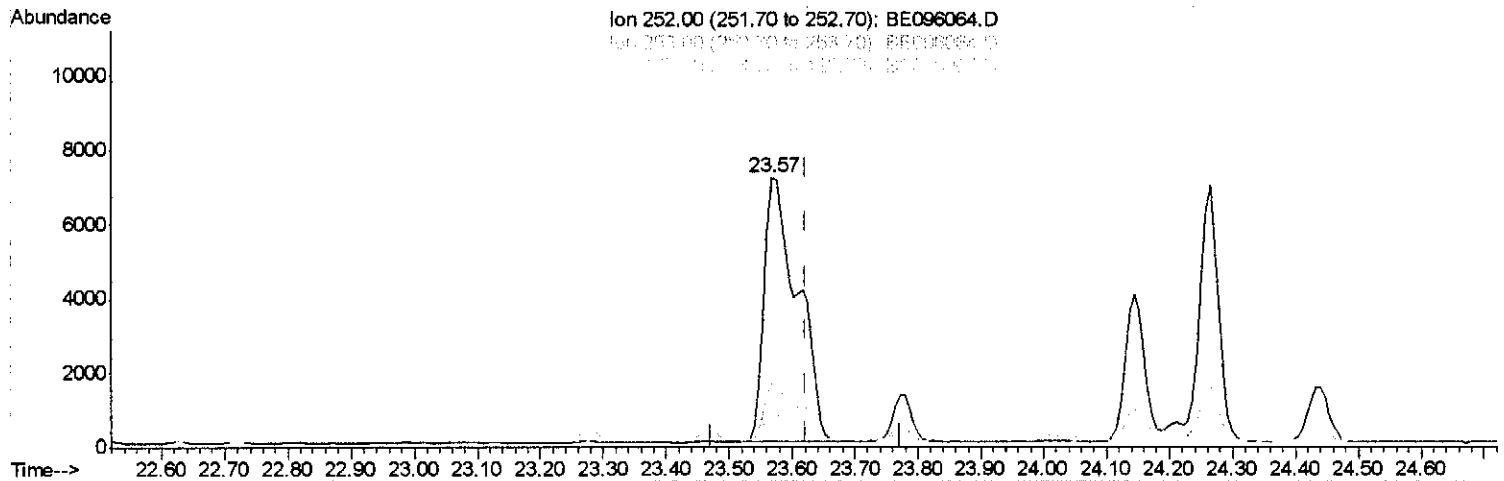
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096064.D
 Acq On : 21 Apr 2018 5:25
 Operator : SJ/JU
 Sample : J2434-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AB8

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:44:20 PM

Quant Time: Apr 23 02:26:36 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



(22) Benzo(k)fluoranthene

23.567min (-0.055) 1.08ng/ul

response 26179

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	24.07#
125.00	17.10	12.59#
0.00	0.00	0.00

Quantitation Report (Qedit)

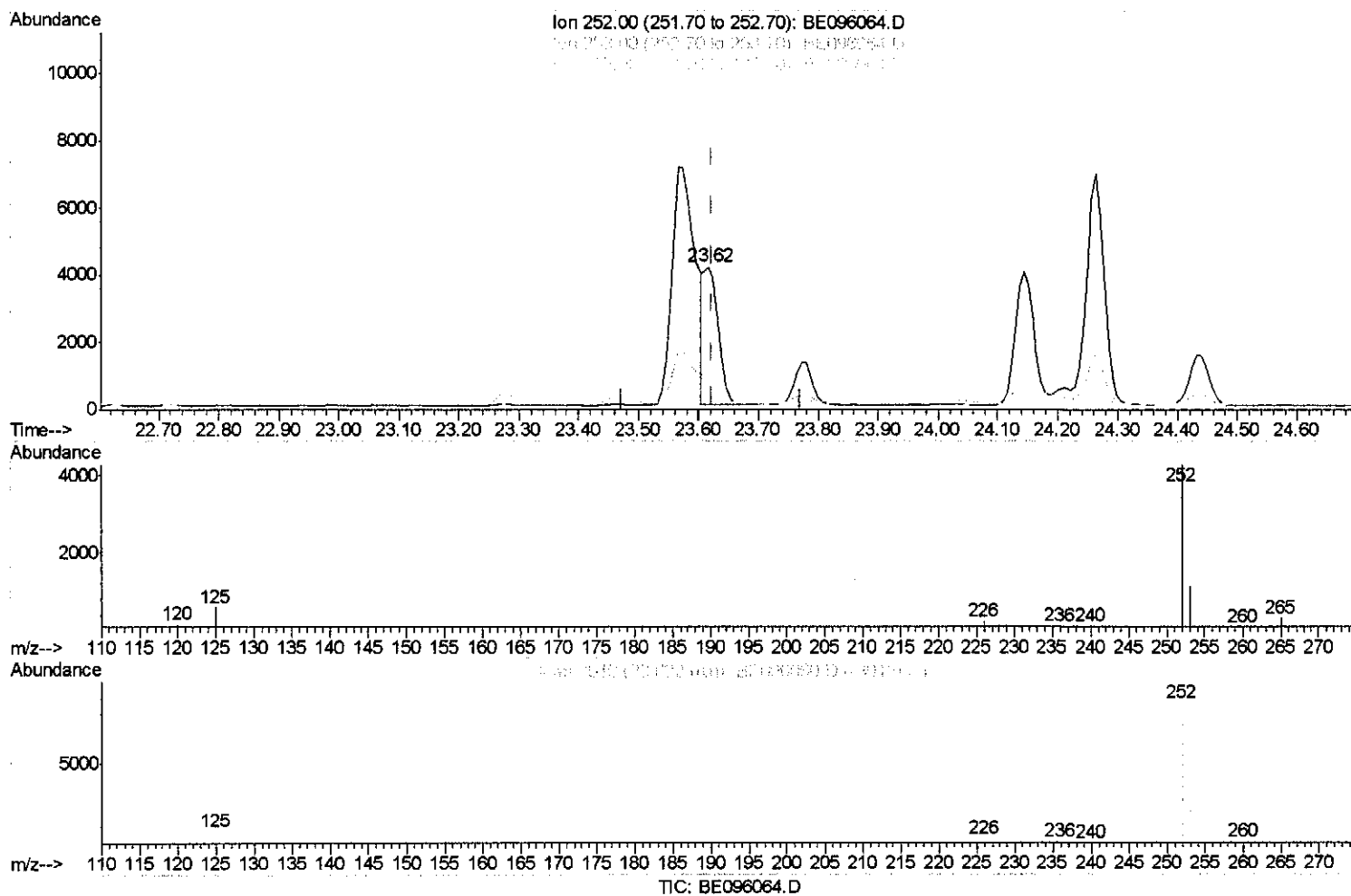
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096064.D
 Acq On : 21 Apr 2018 5:25
 Operator : SJ/JU
 Sample : J2434-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AB8

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:44:20 PM

Quant Time: Apr 23 02:26:36 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



(22) Benzo(k)fluoranthene

23.616min (-0.005) 0.30ng/ul m> SJ 4/24/18

response 7239

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	26.15
125.00	17.10	13.77
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\
 Data File : BE096064.D
 Acq On : 21 Apr 2018 5:25
 Operator : SJ/JU
 Sample : J2434-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AB8

Manual Integrations
 APPROVED

Sohil
 4/23/2018 6:44:20 PM

Quant Time: Apr 23 02:28:10 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	2005	0.40	ng/ul	0.00
2) Naphthalene-d8	11.20	136	5542	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.97	164	3307	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.68	188	7388m	0.40	ng/ul	0.00
16) Chrysene-d12	21.77	240	7330m	0.40	ng/ul	0.00
20) Perylene-d12	24.38	264	7545	0.40	ng/ul	0.00

SJ 4/24/18

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.76	152	1640	0.16	ng/ul	0.00
14) Fluoranthene-d10	19.66	212	4672m	0.15	ng/ul	0.00

SJ 4/24/18

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	11.25	128	438	0.028	ng/ul#	61
7) Acenaphthylene	14.70	152	376	0.022	ng/ul#	64
8) Acenaphthene	15.03	153	361	0.029	ng/ul#	92
9) Fluorene	16.00	166	438	0.032	ng/ul#	84
12) Phenanthrene	17.72	178	11047m	0.507	ng/ul	
13) Anthracene	17.80	178	2104m	0.097	ng/ul	
15) Fluoranthene	19.68	202	34747m	1.173	ng/ul	
17) Pyrene	20.04	202	31798	1.277	ng/ul#	78
18) Benzo(a)anthracene	21.75	228	21184m	0.715	ng/ul	
19) Chrysene	21.80	228	16513m	0.775	ng/ul	
21) Benzo(b)fluoranthene	23.57	252	18929m	0.775	ng/ul	
22) Benzo(k)fluoranthene	23.62	252	7239m	0.298	ng/ul	
23) Benzo(a)pyrene	24.26	252	14236	0.604	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	27.16	276	8428	0.322	ng/ul#	74
25) Dibenzo(a,h)anthracene	27.17	278	2237	0.106	ng/ul#	87
26) Benzo(a,h,i)perylene	28.03	276	7573	0.346	ng/ul	95

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