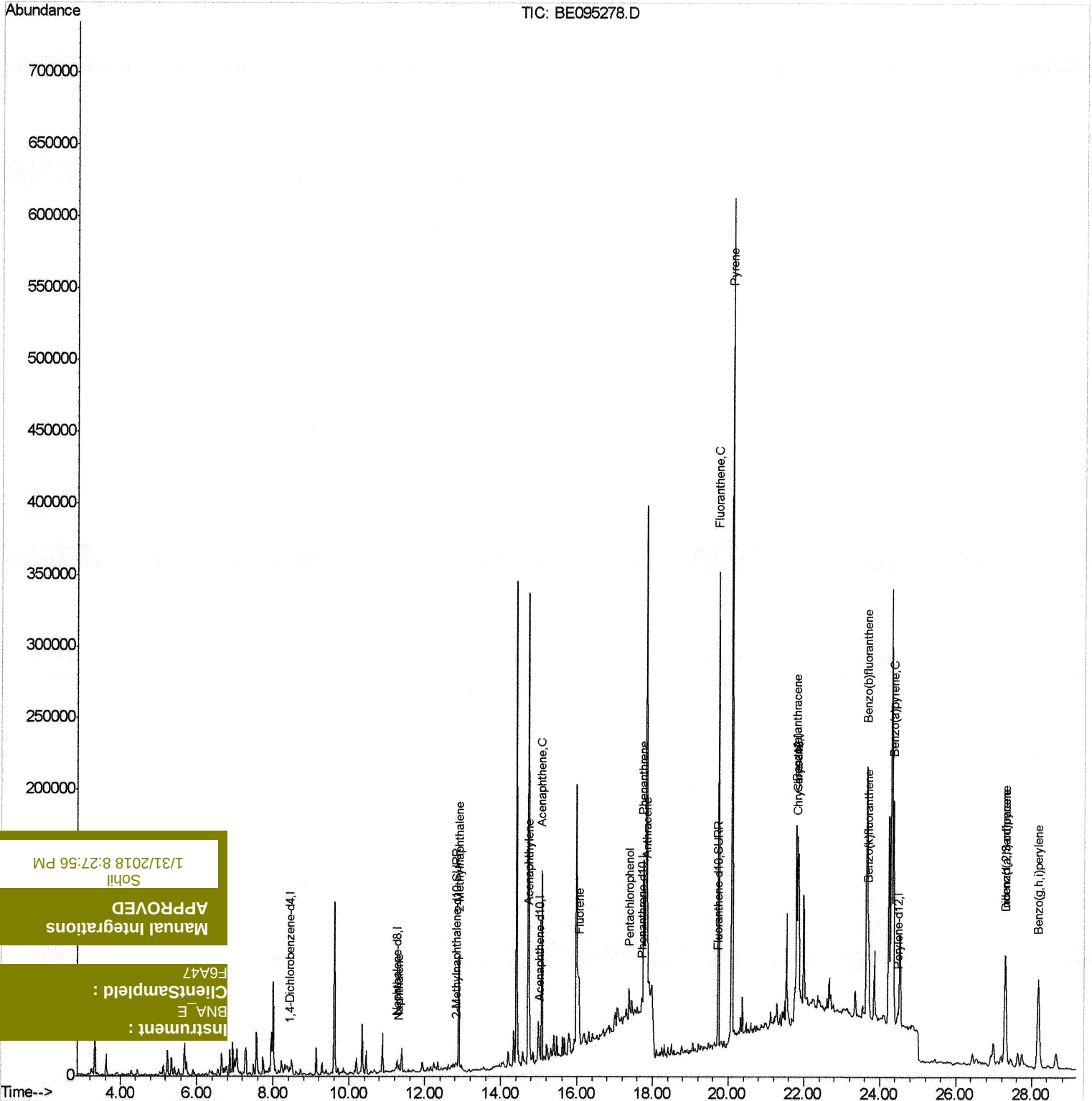


Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
 Data File : BE095278.D
 Acq On : 30 Jan 2018 10:40
 Operator : SJ/JU
 Sample : J1174-12RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

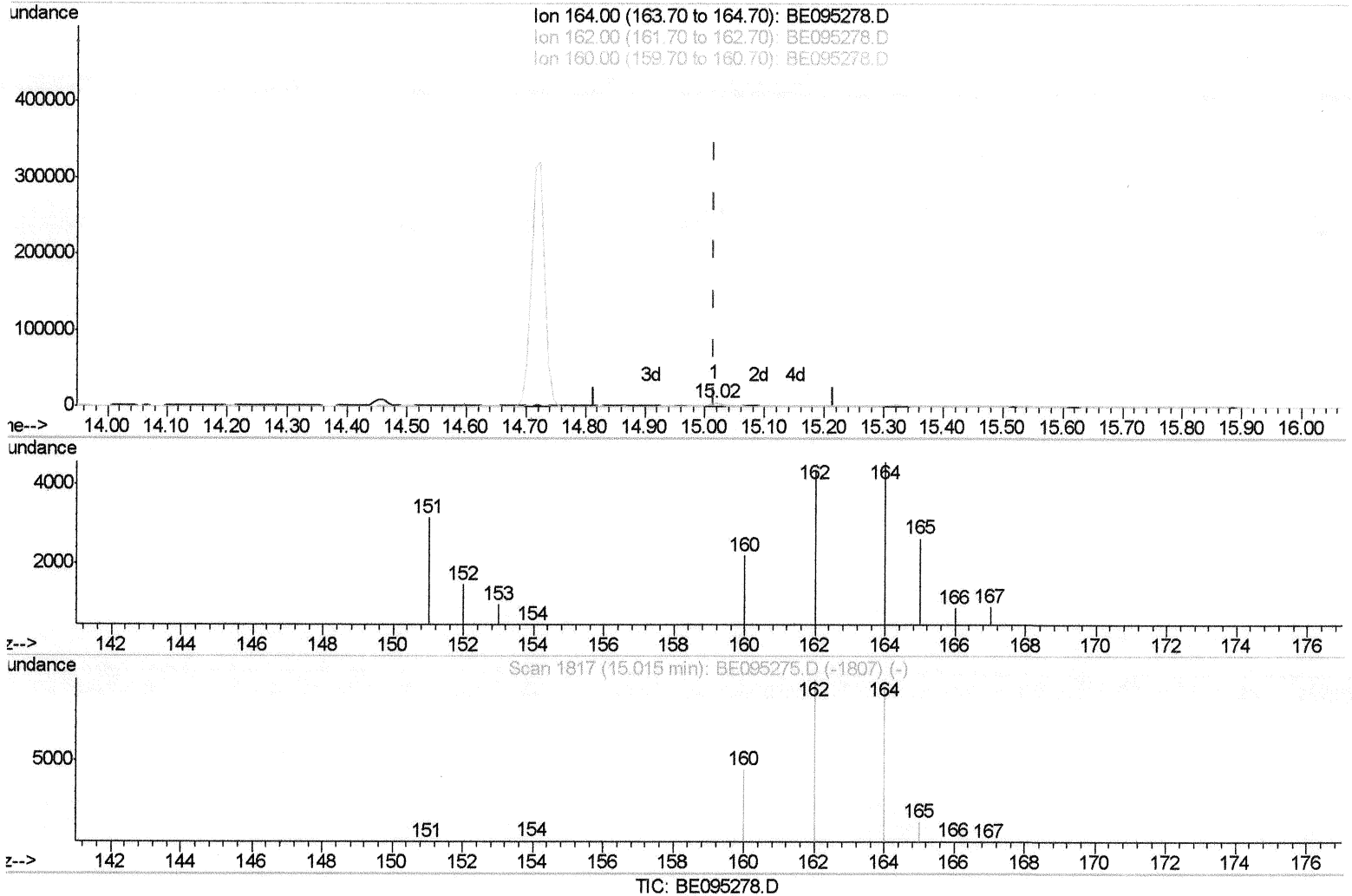
Quant Time: Jan 31 02:01:57 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 01:22:09 2018
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
 Data File : BE095278.D
 Acq On : 30 Jan 2018 10:40
 Operator : SJ/JU
 Sample : J1174-12RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 01:55:13 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 01:22:09 2018
 Response via : Initial Calibration



(6) Acenaphthene-d10 (I)
 15.017min (+0.001) 0.40ng/ul

1/31/2018 8:27:56 PM
 Sohll

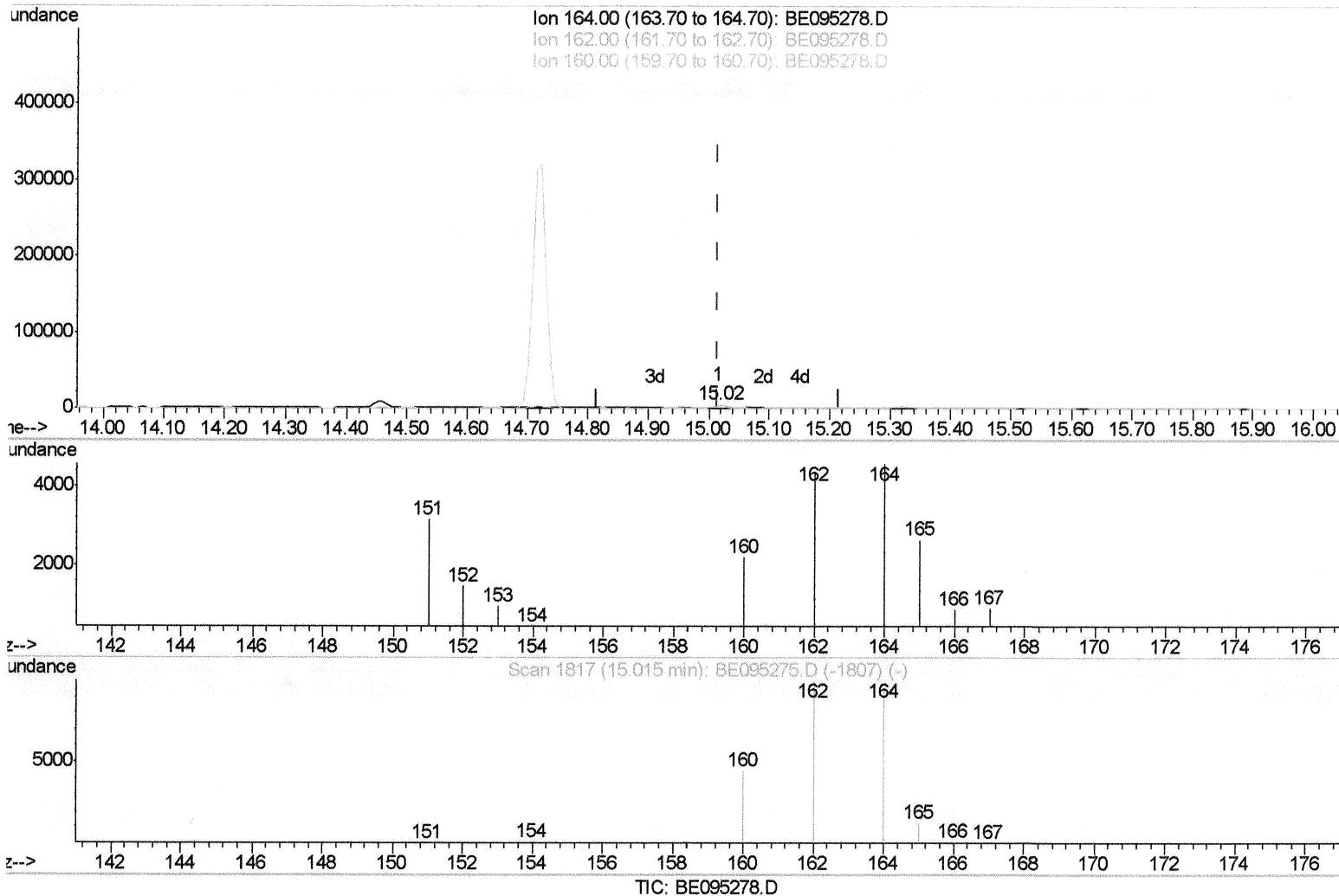
Manual Integrations
 APPROVED

Instrument : BNA_E
 ClientSampled : 3
 F6A47

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
 Data File : BE095278.D
 Acq On : 30 Jan 2018 10:40
 Operator : SJ/JU
 Sample : J1174-12RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 01:55:13 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 01:22:09 2018
 Response via : Initial Calibration



(6) Acenaphthene-d10 (I)

15.017min (+0.001) 0.40ng/ul m> 52 2/1/18

1/31/2018 8:27:56 PM

Sohil

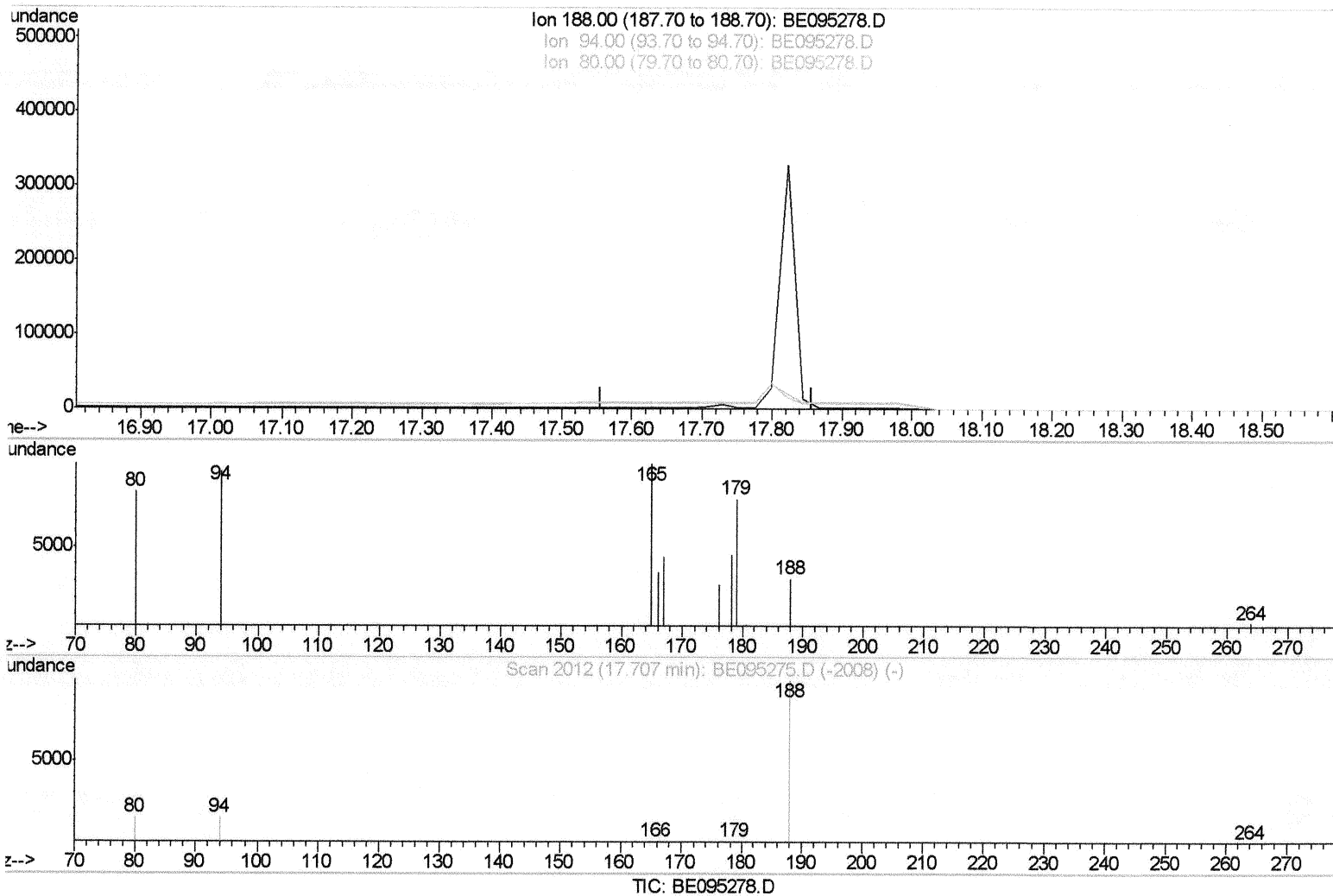
Manual Integrations
 APPROVED

Instrument : BNA_E
 ClientSampleId : F6A47
 3

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
 Data File : BE095278.D
 Acq On : 30 Jan 2018 10:40
 Operator : SJ/JU
 Sample : J1174-12RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 01:55:13 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 01:22:09 2018
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.707min (-17.707) 0.00ng/ul

1/31/2018 8:27:56 PM

Sohil

APPROVED

Manual Integrations

94.00 11.00 0.00#

F6A47

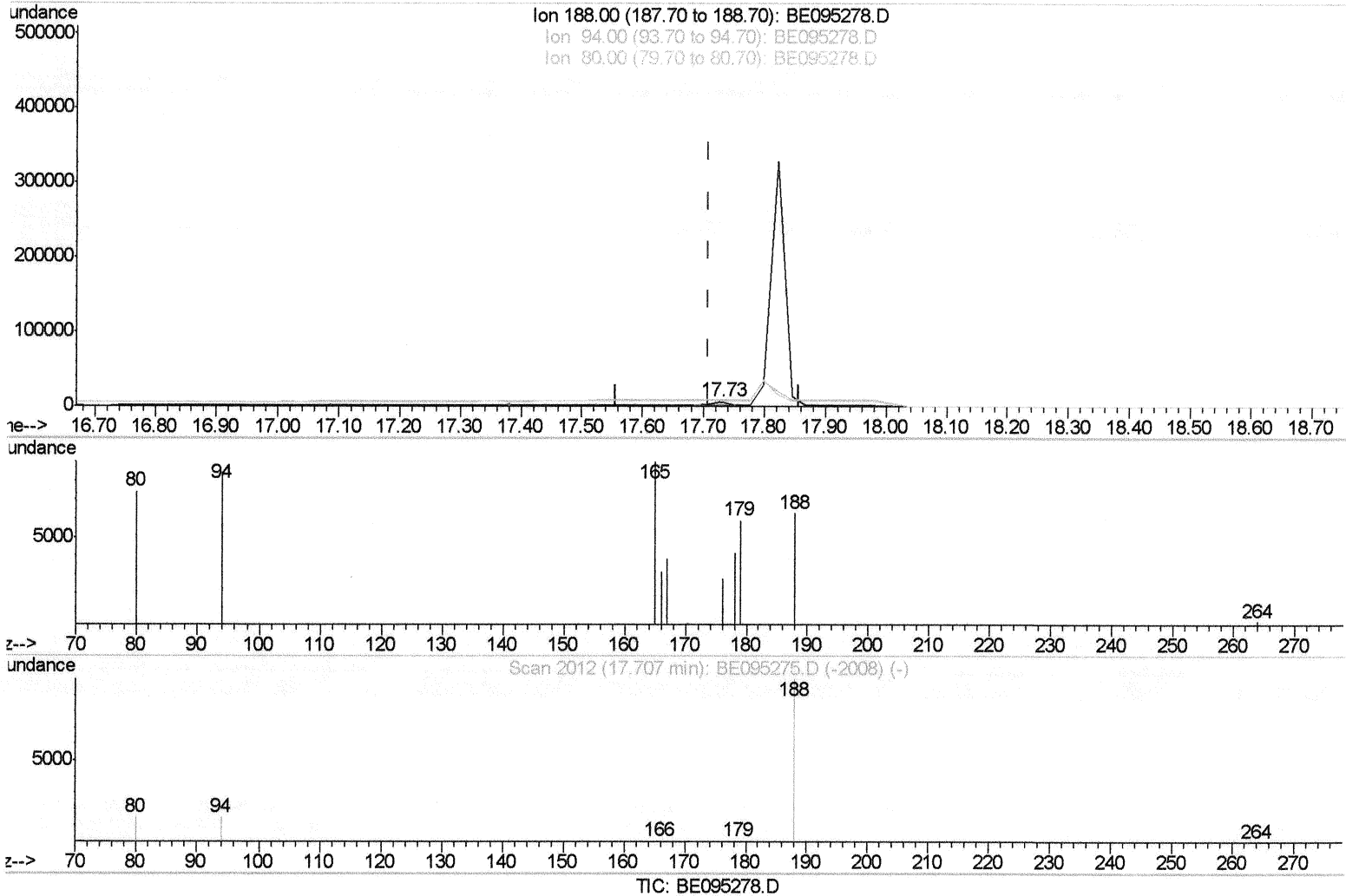
#ClientSampled :

BNA_E
 Instrument :

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
 Data File : BE095278.D
 Acq On : 30 Jan 2018 10:40
 Operator : SJ/JU
 Sample : J1174-12RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 01:55:13 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 01:22:09 2018
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.729min (+0.022) 0.40ng/ul m > SJ 2/1/18

1/31/2018 8:27:56 PM
 Sohll

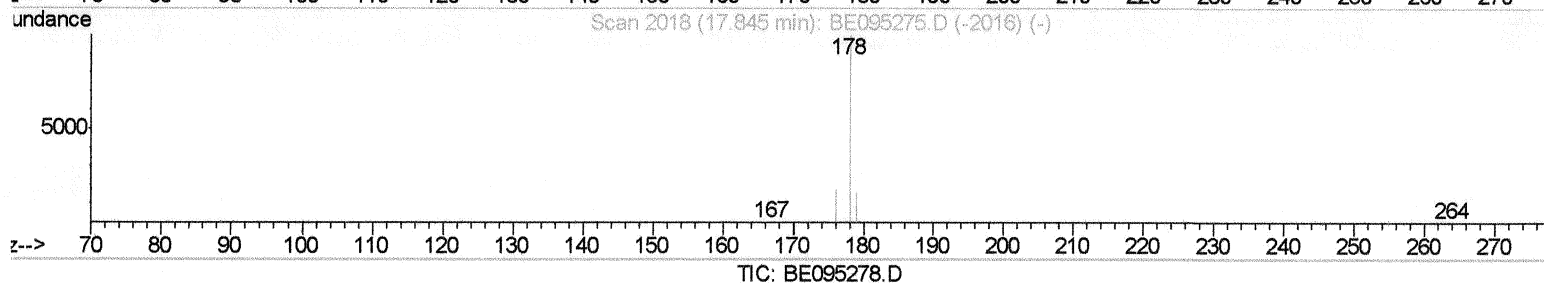
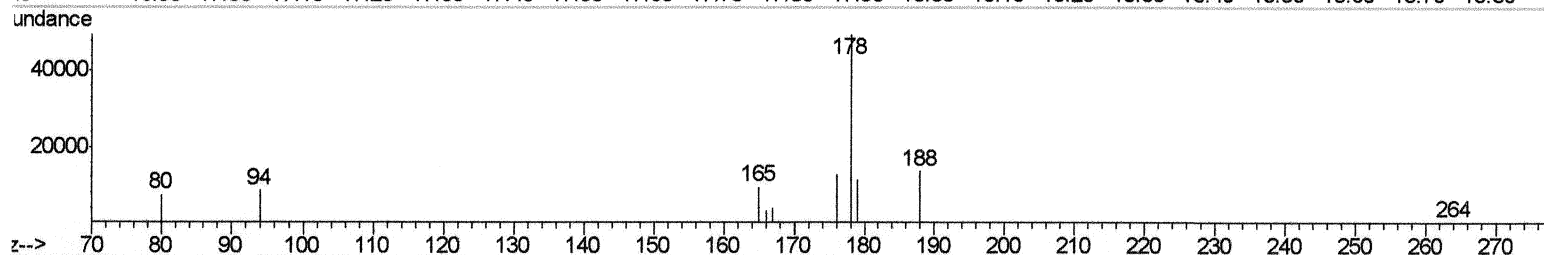
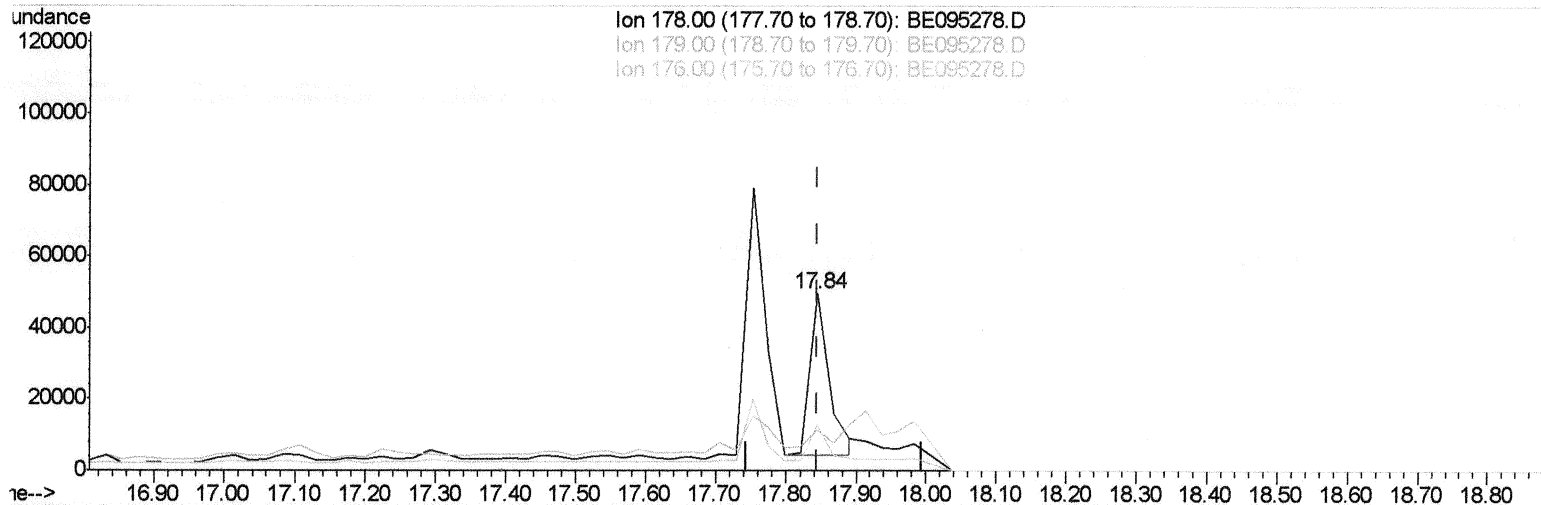
Manual Integrations
 APPROVED

Instrument : BNA_E
 Client Sampled : #65-6A47
 #90

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
 Data File : BE095278.D
 Acq On : 30 Jan 2018 10:40
 Operator : SJ/JU
 Sample : J1174-12RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 01:58:08 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 01:22:09 2018
 Response via : Initial Calibration



(13) Anthracene

17.845min (-0.001) 2.86ng/ul

1/31/2018 8:27:56 PM

Sohil

APPROVED

Manual Integrations

17.845 00.641 23.19

F6A47

#6 Client Sample

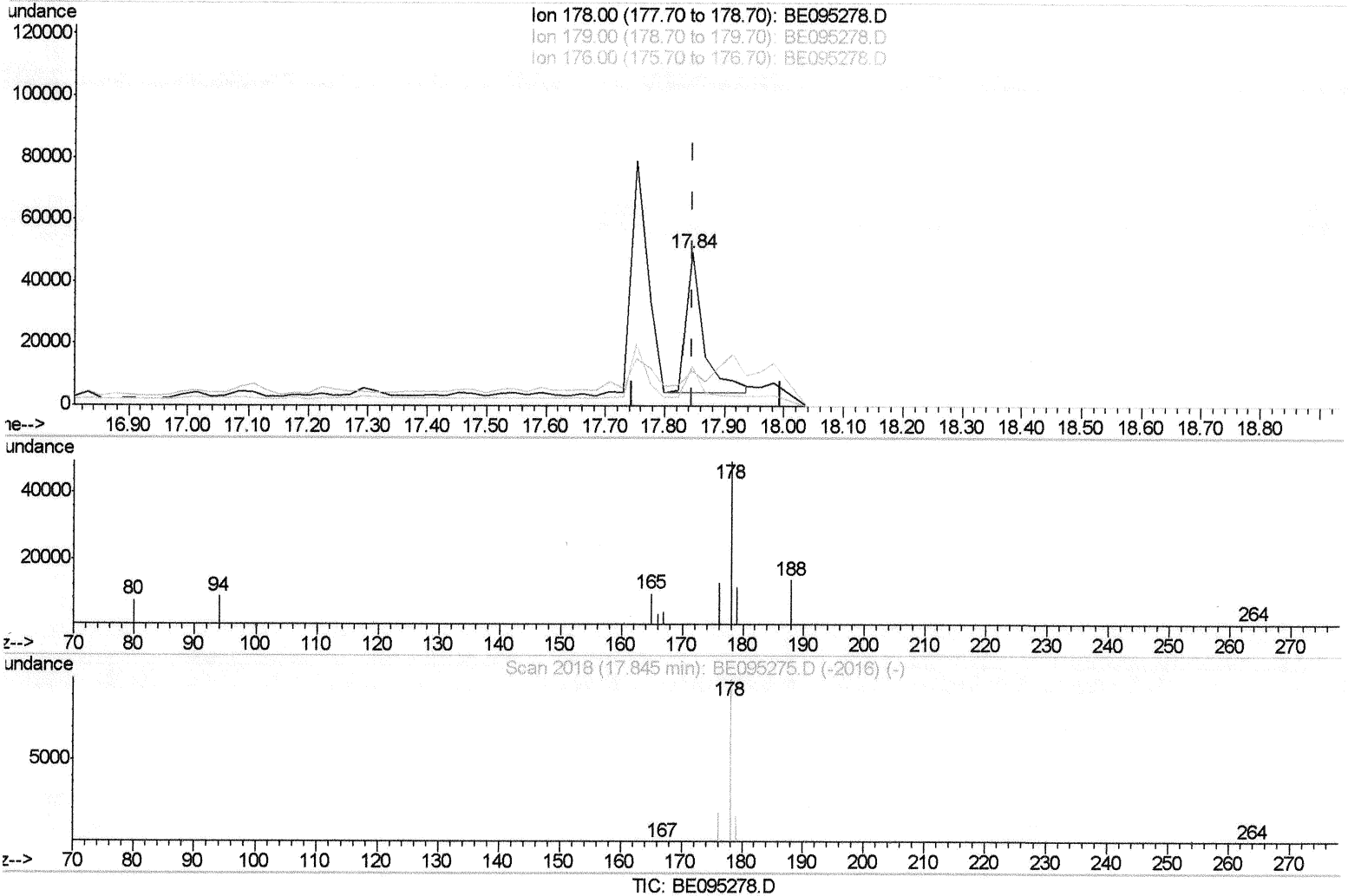
BNA_E

Instrument :

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
Data File : BE095278.D
Acq On : 30 Jan 2018 10:40
Operator : SJ/JU
Sample : J1174-12RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 01:58:08 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 31 01:22:09 2018
Response via : Initial Calibration



(13) Anthracene

17.845min (-0.001) 3.16ng/ul m> SJ 2/1/18

1/31/2018 8:27:56 PM
Sohil

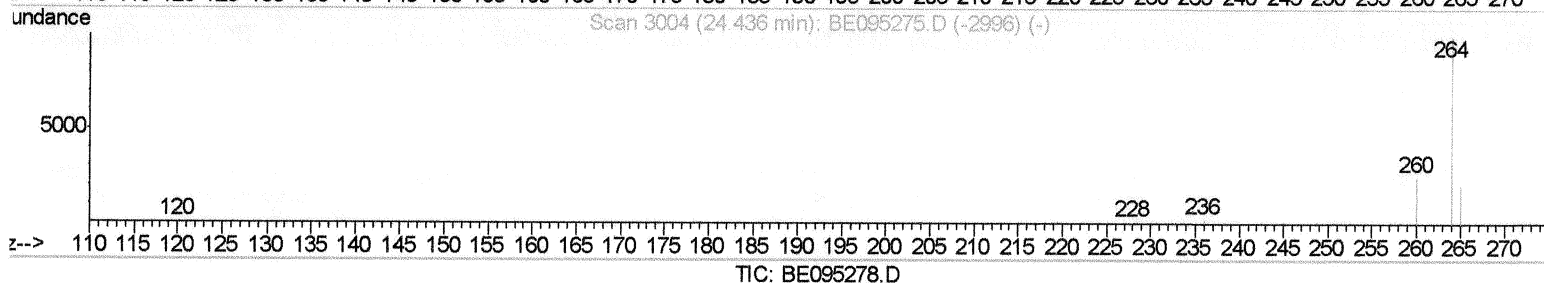
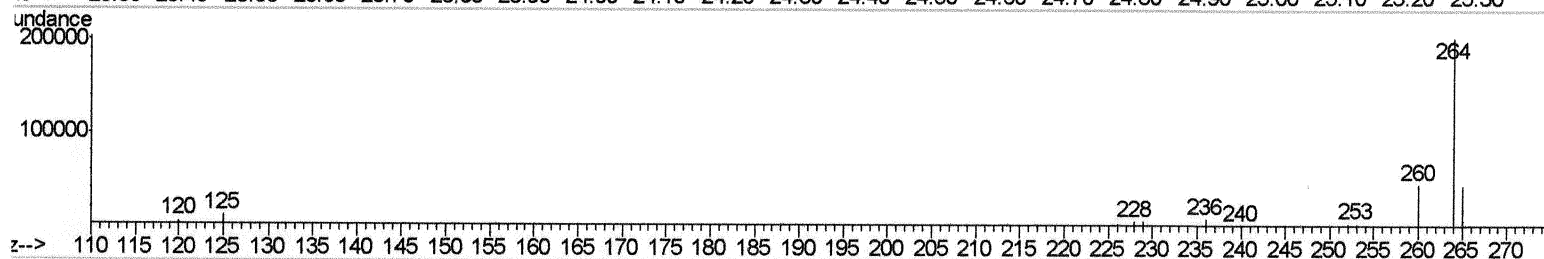
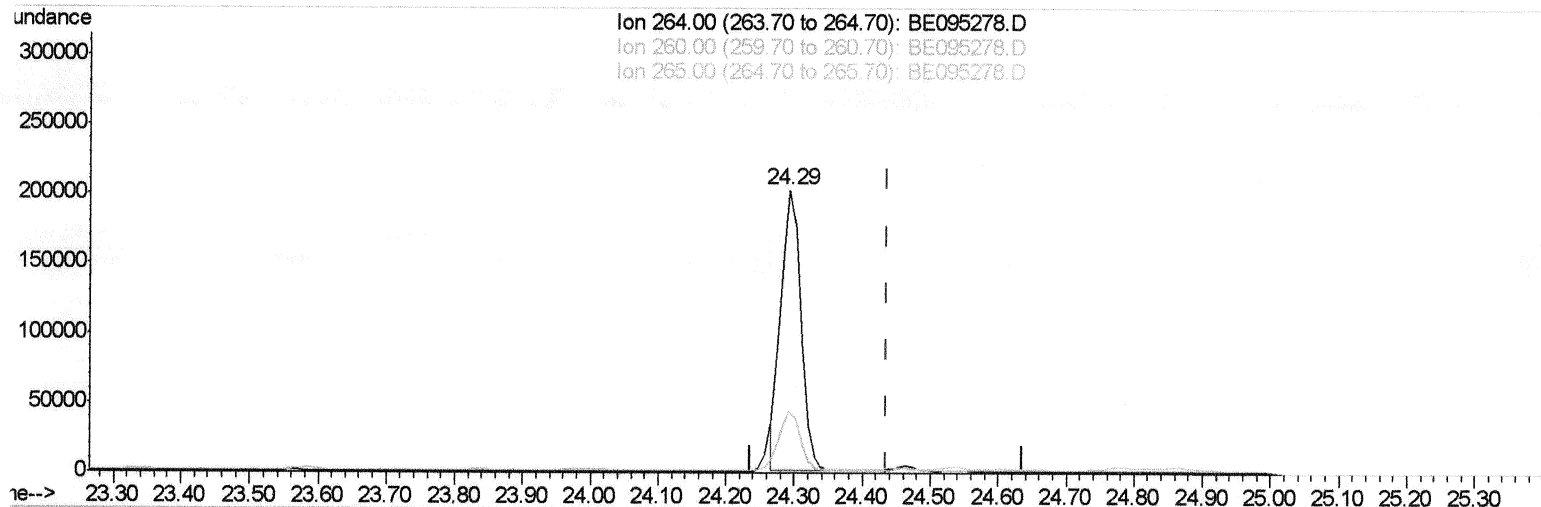
Manual Integrations
APPROVED

Instrument : BNA_E
Client Sampled : #6
F6A47

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
 Data File : BE095278.D
 Acq On : 30 Jan 2018 10:40
 Operator : SJ/JU
 Sample : J1174-12RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 01:58:08 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 01:22:09 2018
 Response via : Initial Calibration



(20) Perylene-d12 (I)

24.292min (-0.144) 0.40ng/ul

1/31/2018 8:27:56 PM

Sohil

APPROVED

Manual Integrations

#2249

#30

Client Sampled :

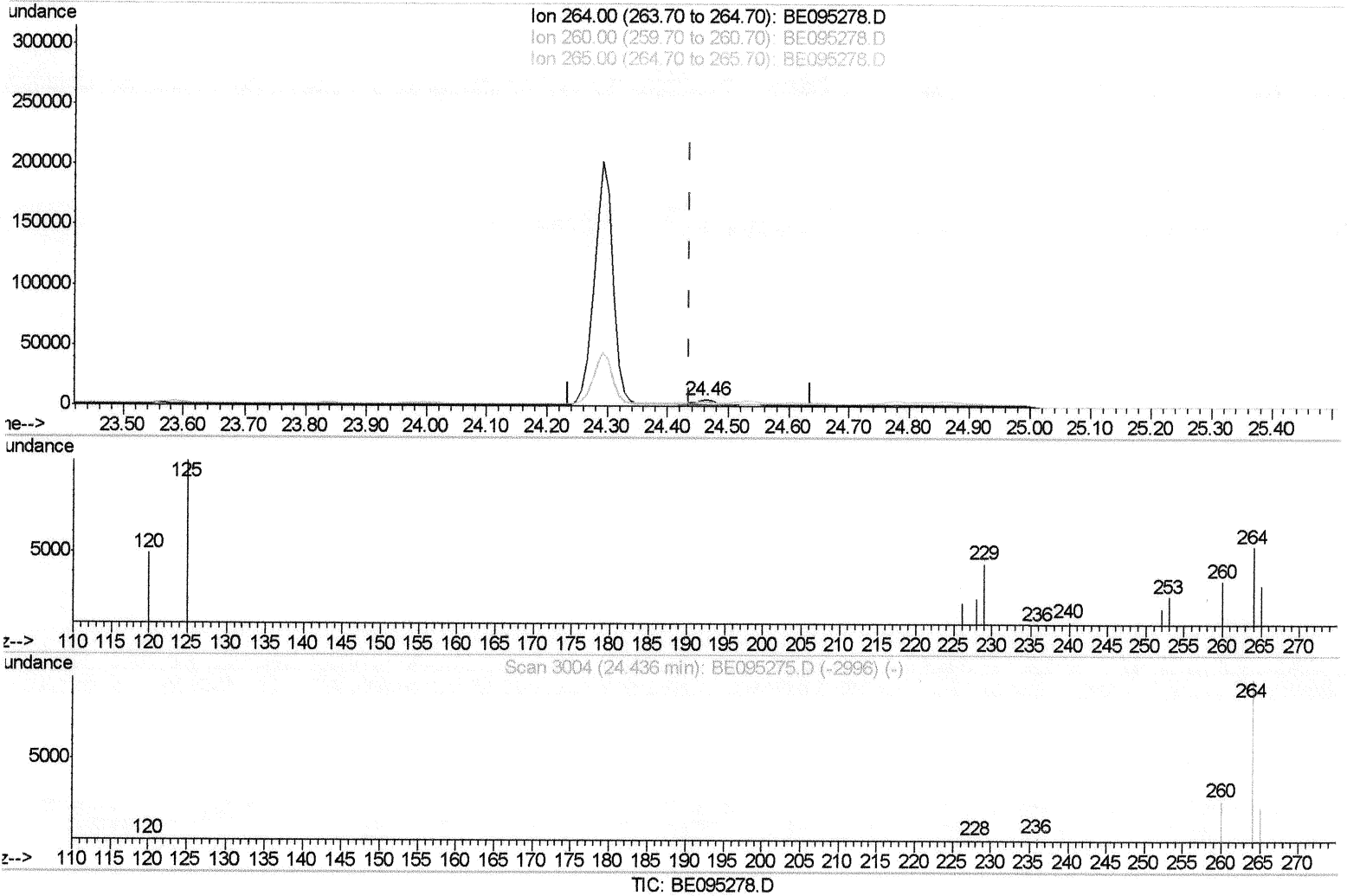
BNA_E

Instrument :

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
 Data File : BE095278.D
 Acq On : 30 Jan 2018 10:40
 Operator : SJ/JU
 Sample : J1174-12RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 01:58:08 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 01:22:09 2018
 Response via : Initial Calibration



(20) Perylene-d12 (I)

24.463min (+0.028) 0.40ng/ul m> 51 2/1/18

1/31/2018 8:27:56 PM
 Sohll

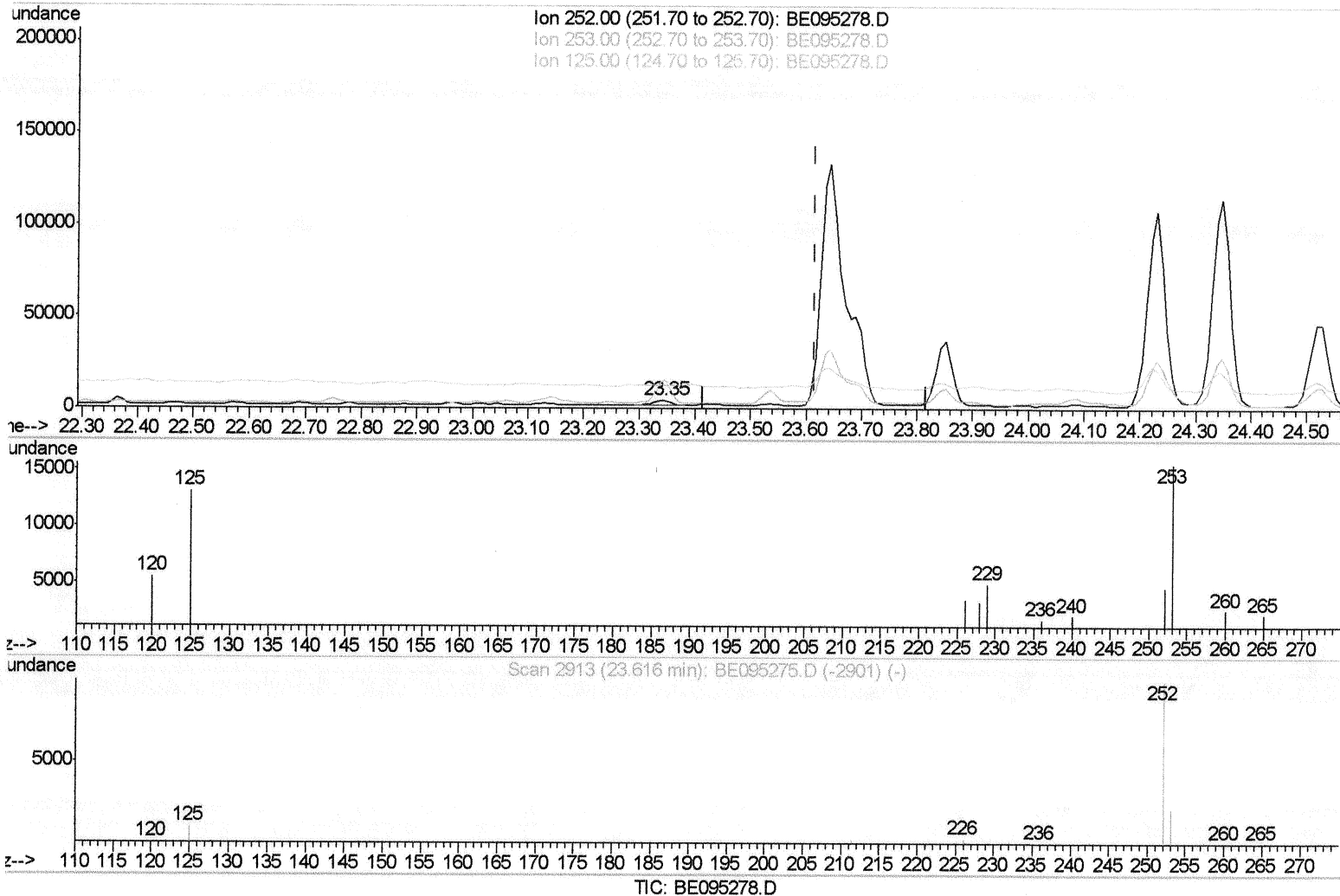
Manual Integrations
 APPROVED

Instrument : BNA_E
 ClientSampled : #00F6A47
 #00F6A47

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
 Data File : BE095278.D
 Acq On : 30 Jan 2018 10:40
 Operator : SJ/JU
 Sample : J1174-12RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 01:59:17 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 01:22:09 2018
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene
 23.346min (-0.270) 0.18ng/ul

1/31/2018 8:27:56 PM
 Sohll

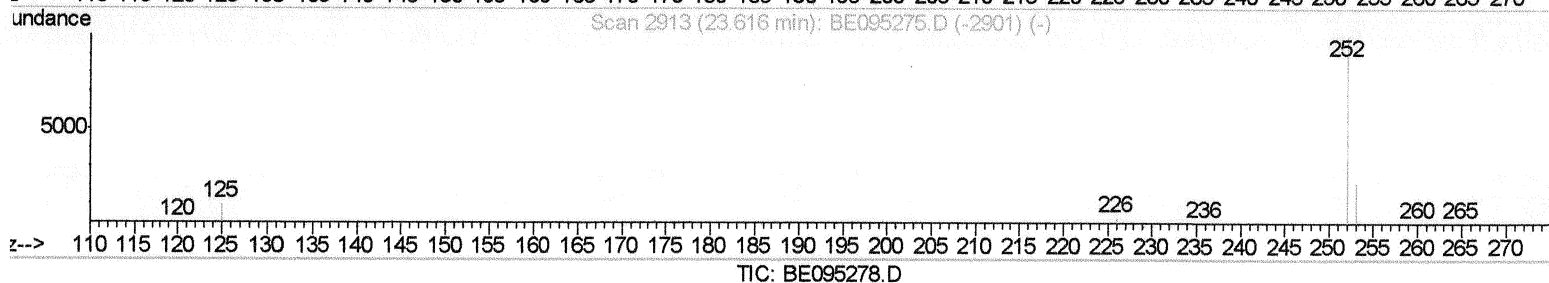
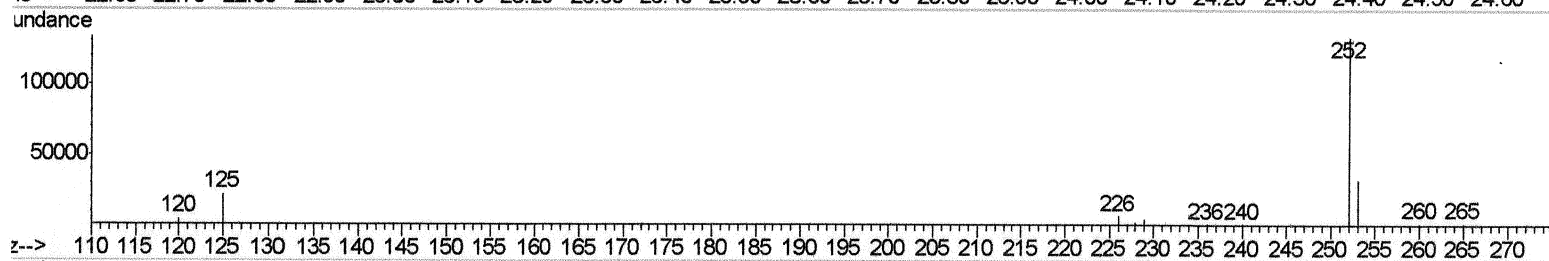
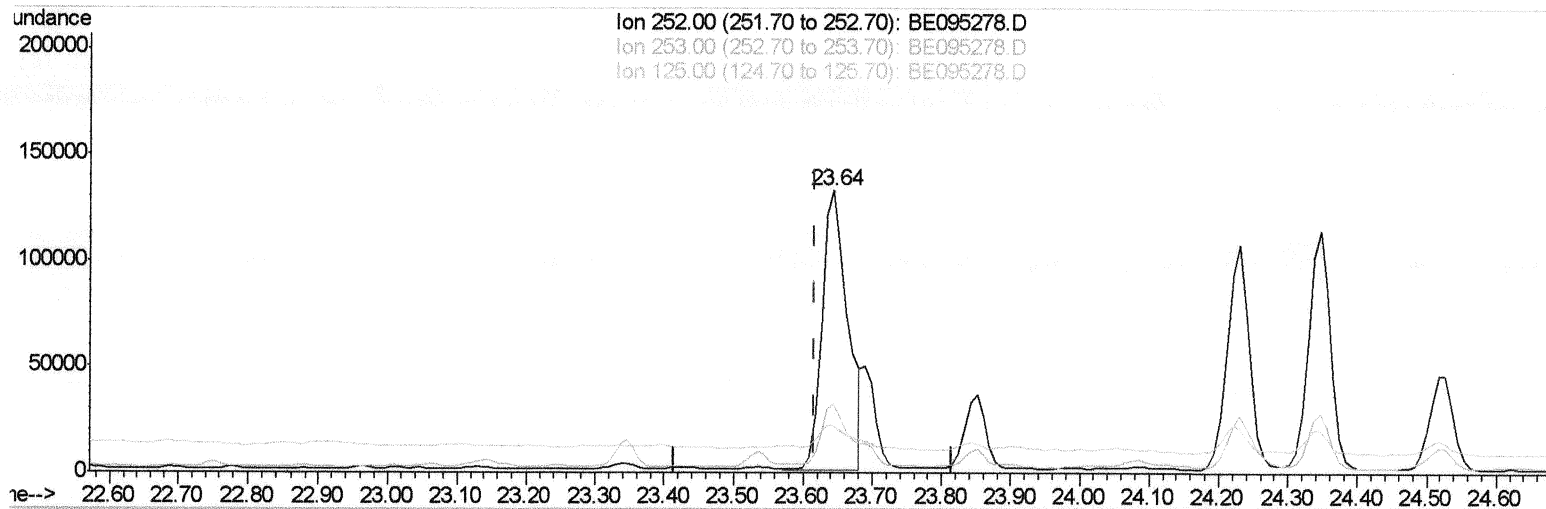
APPROVED
 Manual Integrations

Instrument :
 BNA_E
 Client Sampled :
 #047-6A47

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
 Data File : BE095278.D
 Acq On : 30 Jan 2018 10:40
 Operator : SJ/JU
 Sample : J1174-12RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 01:59:17 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 01:22:09 2018
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

23.643min (+0.028) 11.20ng/ul m> SJ 2/1/18

1/31/2018 8:27:56 PM

Sohil

APPROVED

Manual Integrations

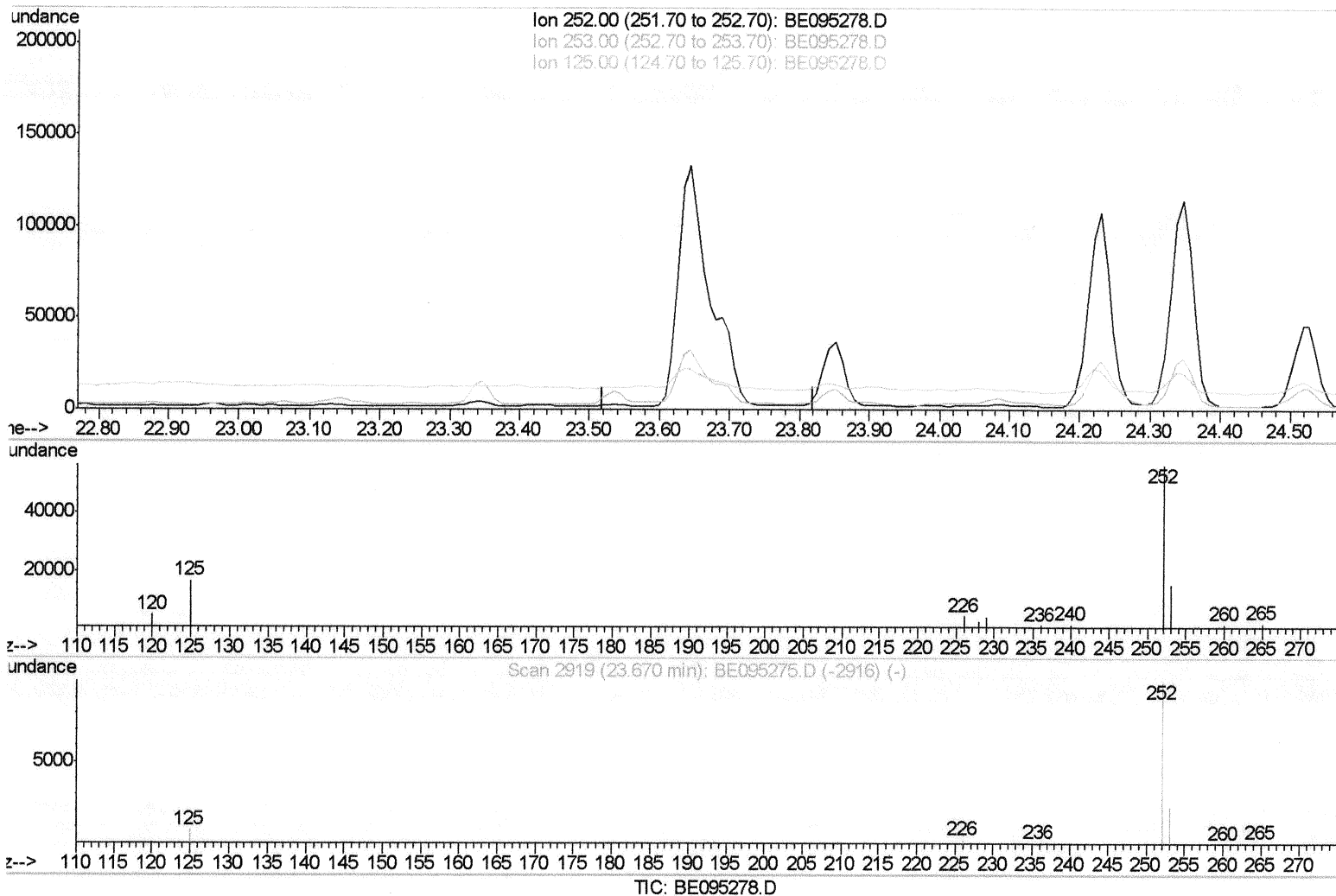
Client Sampled : 5

Instrument : BNA_E

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
 Data File : BE095278.D
 Acq On : 30 Jan 2018 10:40
 Operator : SJ/JU
 Sample : J1174-12RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 01:59:17 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 01:22:09 2018
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene
 23.670min (-23.670) 0.00ng/ul

1/31/2018 8:27:56 PM

Sohil

APPROVED

Manual Integrations

#0

#06A47

Client Sampled :

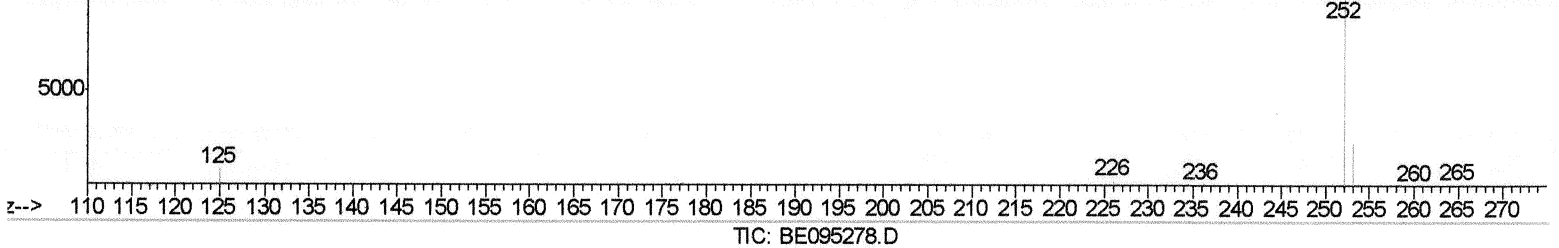
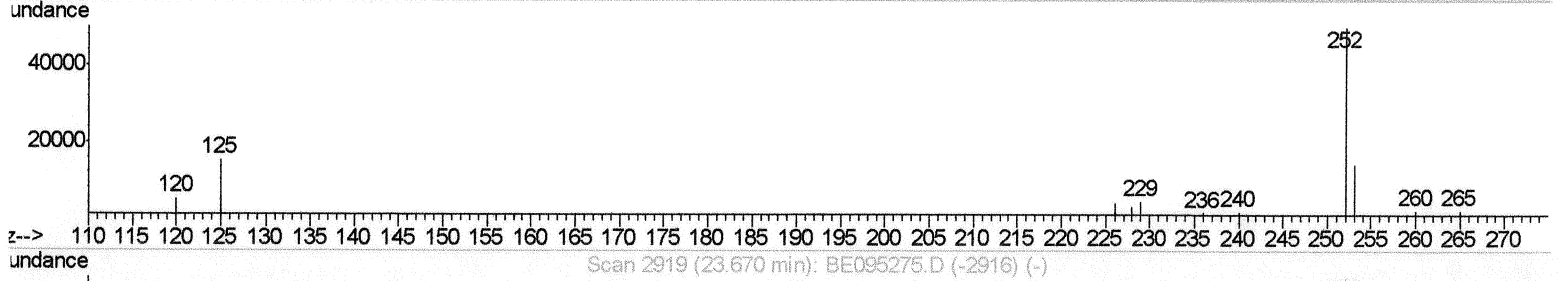
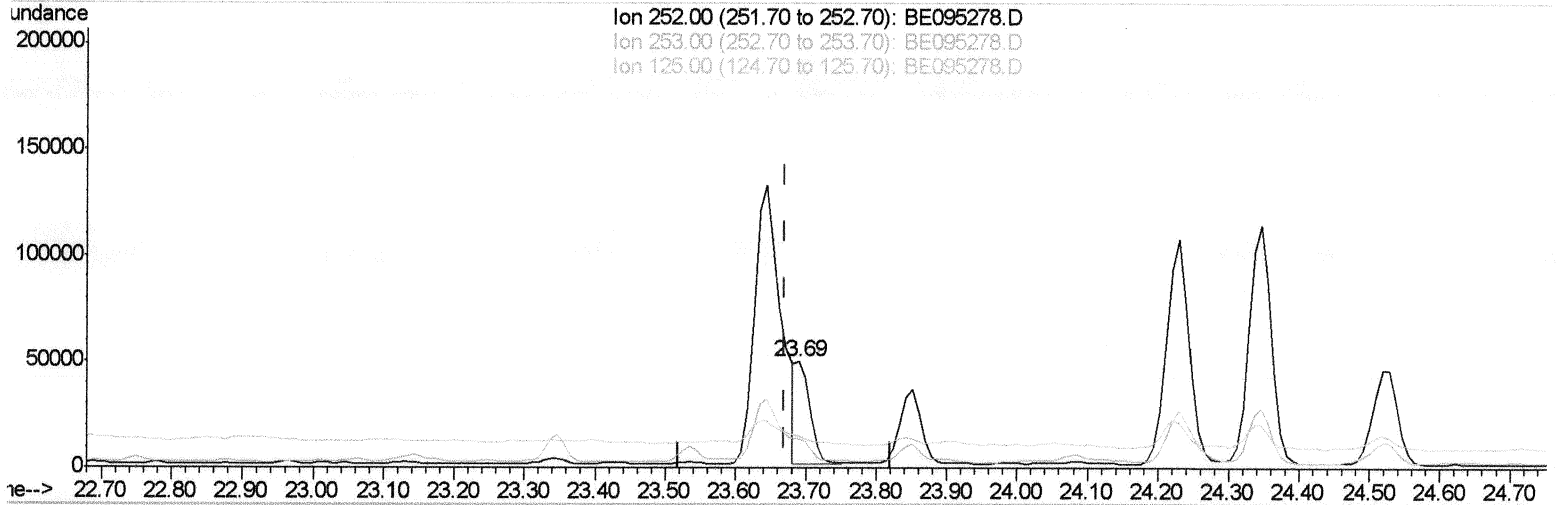
BNA_E

Instrument :

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
 Data File : BE095278.D
 Acq On : 30 Jan 2018 10:40
 Operator : SJ/JU
 Sample : J1174-12RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 01:59:17 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 01:22:09 2018
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

23.688min (+0.019) 2.39ng/ul m > 53 2/1/18

1/31/2018 8:27:56 PM
 Sohll

Manual Integrations
 APPROVED

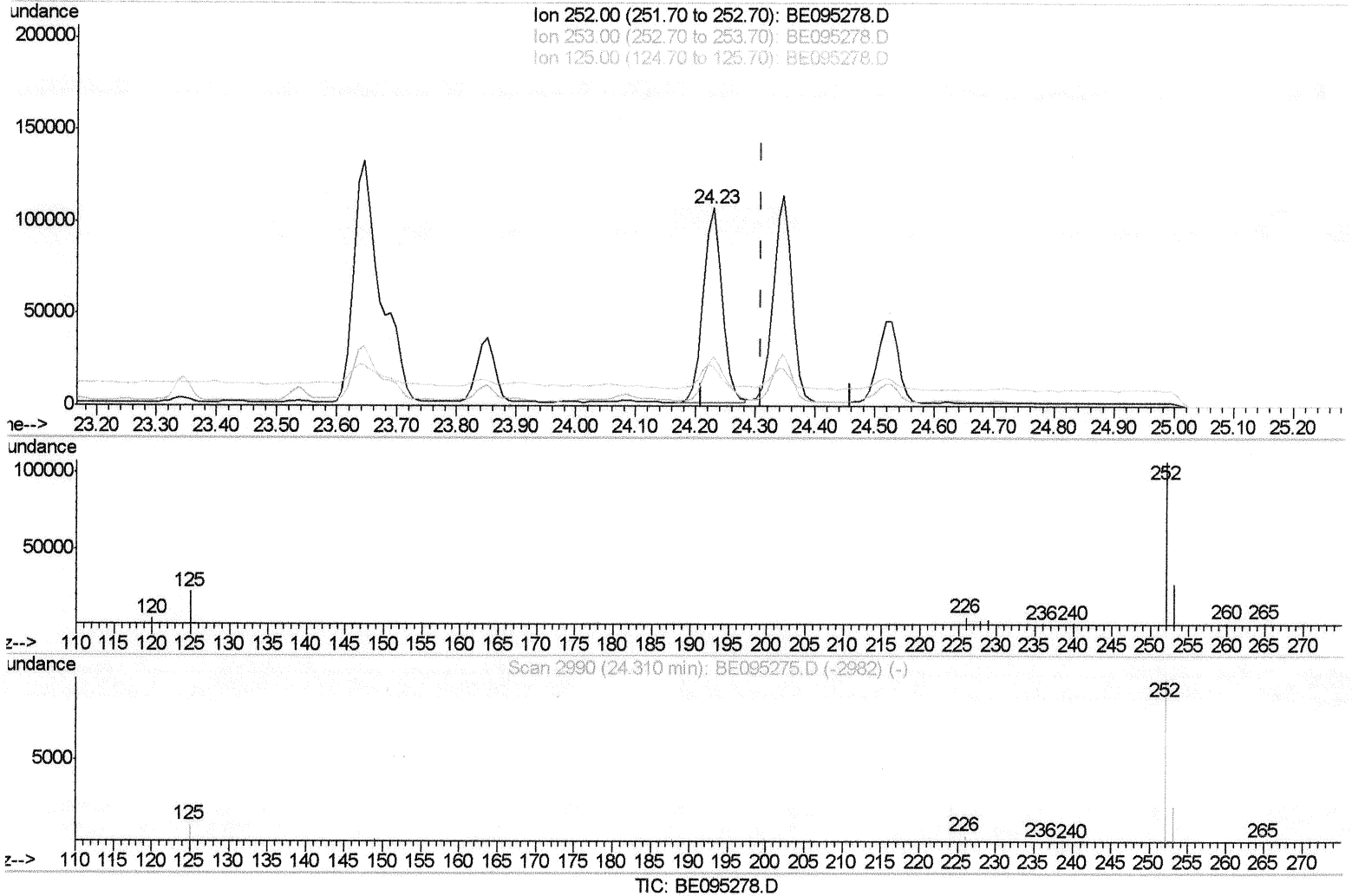
253.00 30.60 28.13

#4 Client Sample
 BNA_E
 Instrument

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
 Data File : BE095278.D
 Acq On : 30 Jan 2018 10:40
 Operator : SJ/JU
 Sample : J1174-12RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 01:59:17 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 01:22:09 2018
 Response via : Initial Calibration



(23) Benzo(a)pyrene (C)
 24.229min (-0.080) 8.49ng/ul

1/31/2018 8:27:56 PM
 Sohll

Manual Integrations
 APPROVED

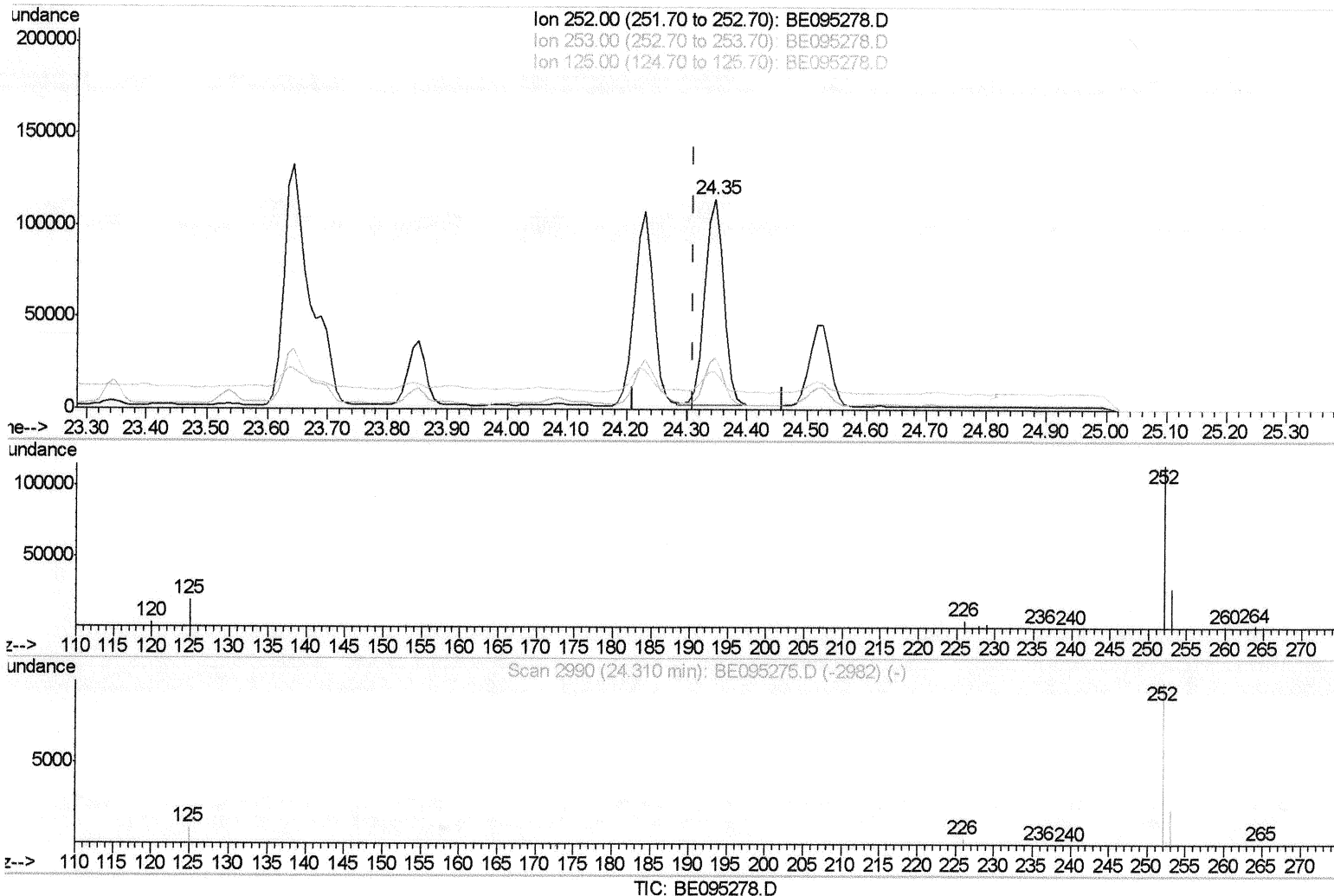
#2

Instrument :
 BNA_E
 ClientSampled :
 7F6A47

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
 Data File : BE095278.D
 Acq On : 30 Jan 2018 10:40
 Operator : SJ/JU
 Sample : J1174-12RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 01:59:17 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 01:22:09 2018
 Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

24.346min (+0.037) 8.91ng/ul m> 51 2/1/18

1/31/2018 8:27:56 PM
 Sohll

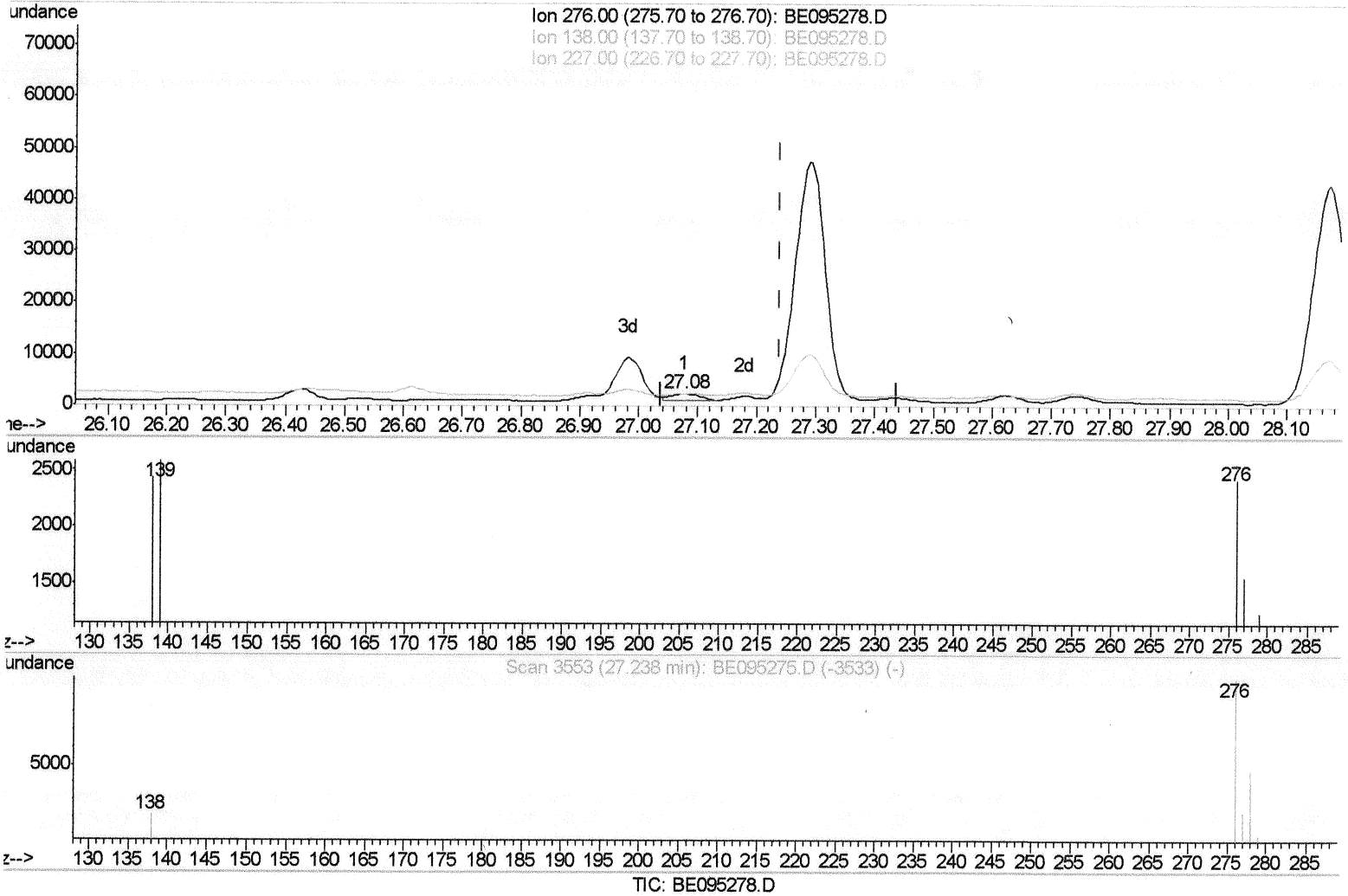
APPROVED
 Manual Integrations

Instrument : BNA_E
 Client Sampled : #9
 F6A47

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
Data File : BE095278.D
Acq On : 30 Jan 2018 10:40
Operator : SJ/JU
Sample : J1174-12RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 01:59:17 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 31 01:22:09 2018
Response via : Initial Calibration



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

27.078min (-0.160) 0.14ng/ul

1/31/2018 8:27:56 PM

Sohil

APPROVED

Manual Integrations

138.00 35.00 30.54

F6A47

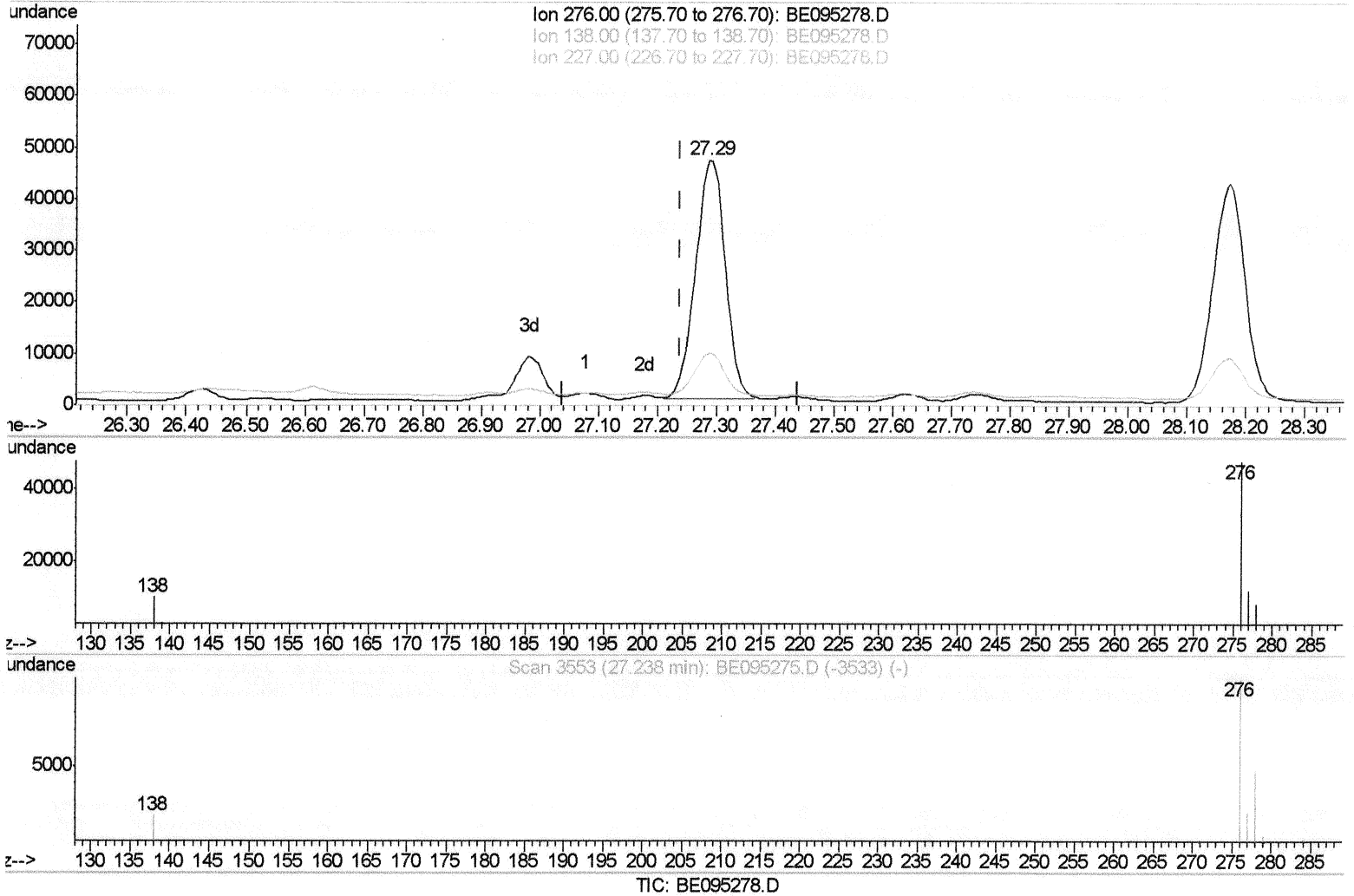
#ClientSampled :

BNA_E
Instrument :

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
 Data File : BE095278.D
 Acq On : 30 Jan 2018 10:40
 Operator : SJ/JU
 Sample : J1174-12RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 01:59:17 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 01:22:09 2018
 Response via : Initial Calibration



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

27.288min (+0.049) 5.45ng/ul m > 51 2/1/18

1/31/2018 8:27:56 PM
 Sohll

Manual Integrations
 APPROVED

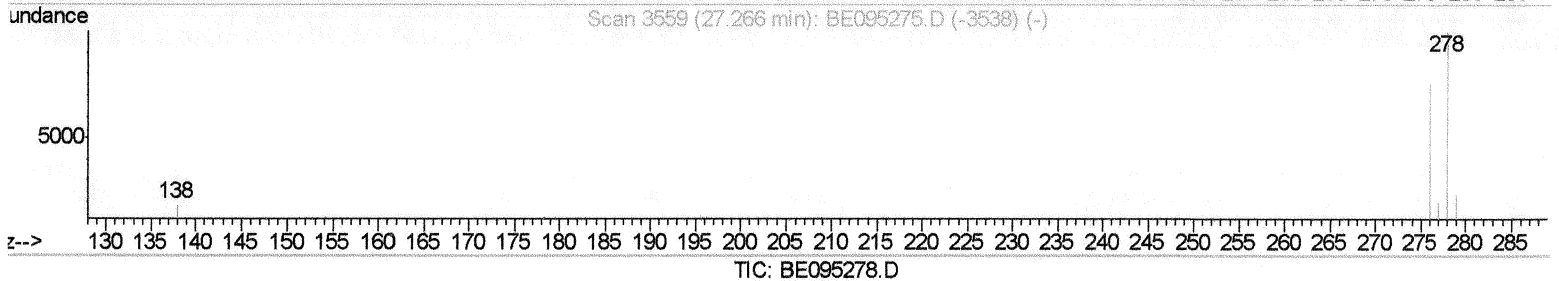
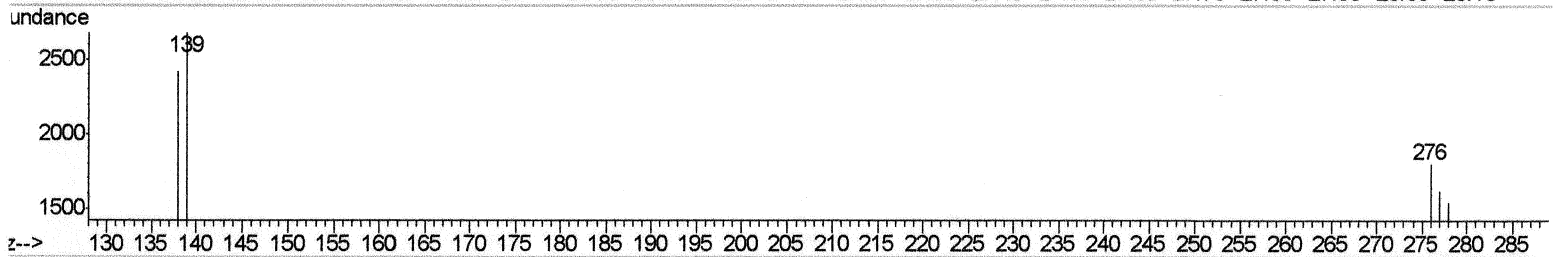
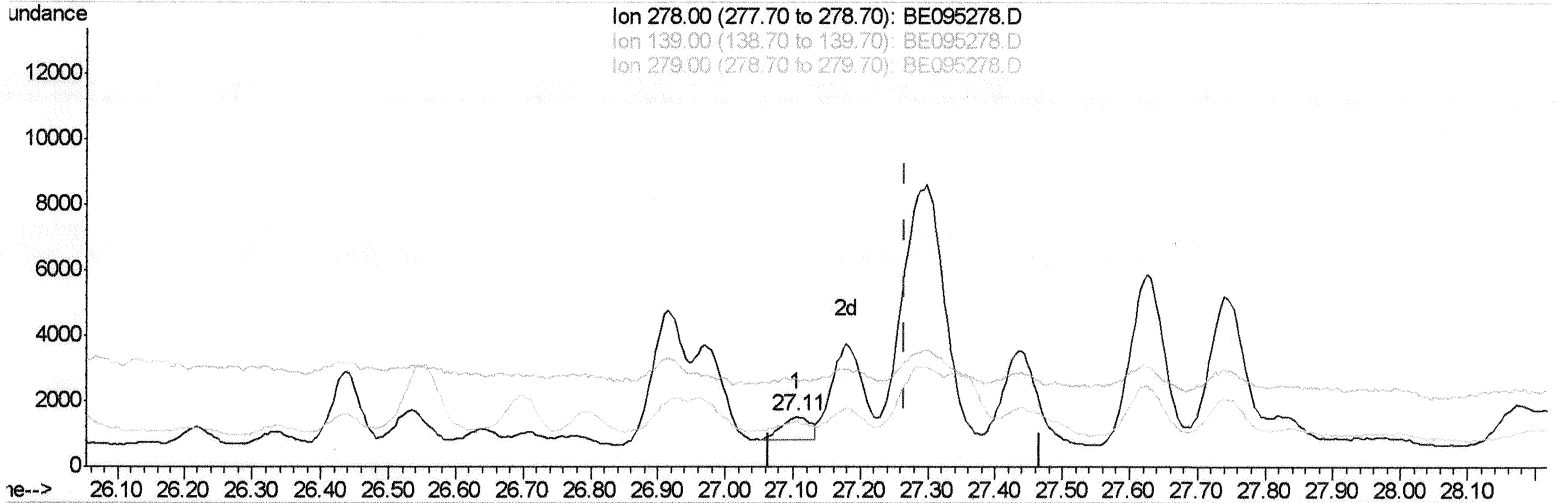
#7

Instrument : BNA_E
 Client Sampled : #0-F6A47

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
Data File : BE095278.D
Acq On : 30 Jan 2018 10:40
Operator : SJ/JU
Sample : J1174-12RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 01:59:17 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 31 01:22:09 2018
Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

27.106min (-0.160) 0.08ng/ul

1/31/2018 8:27:56 PM

Sohil

APPROVED

Manual Integrations

#139.00 174.14

F6A47

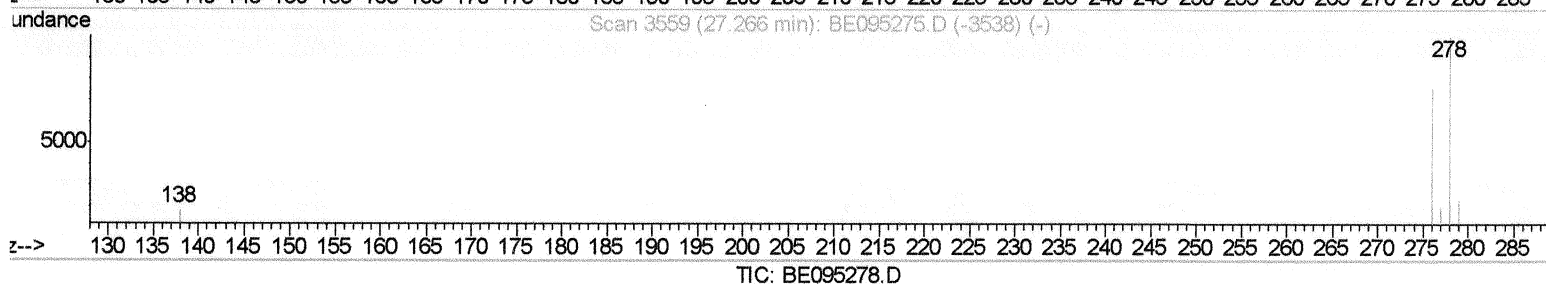
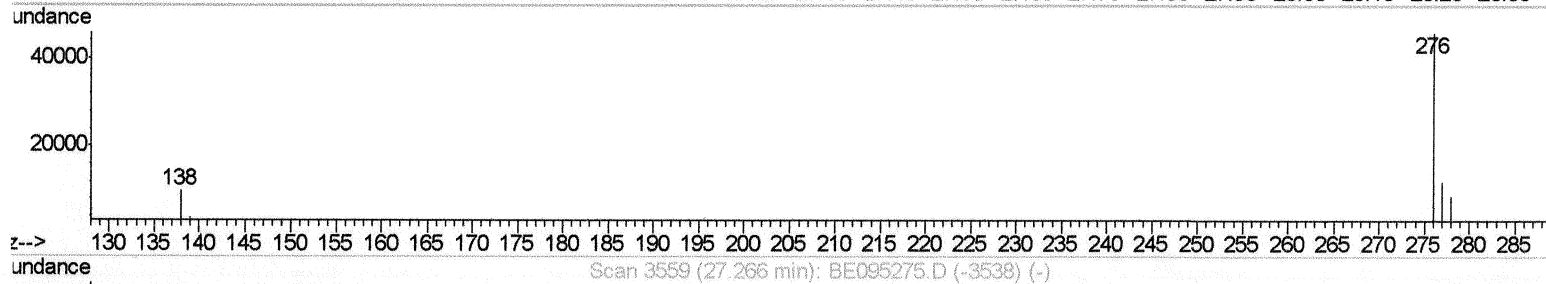
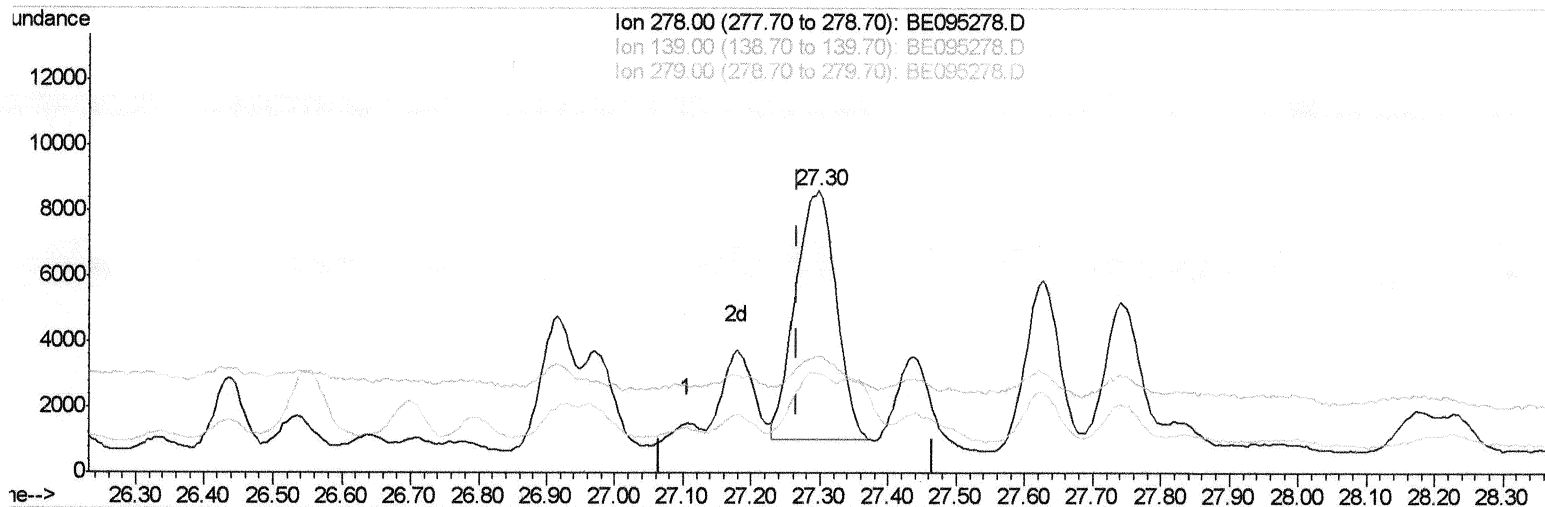
#4 Client Sampled :

BNA_E
Instrument :

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
 Data File : BE095278.D
 Acq On : 30 Jan 2018 10:40
 Operator : SJ/JU
 Sample : J1174-12RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 01:59:17 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 01:22:09 2018
 Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

27.297min (+0.031) 1.28ng/ul m

SJ 2/1/18

1/31/2018 8:27:56 PM

Sohil

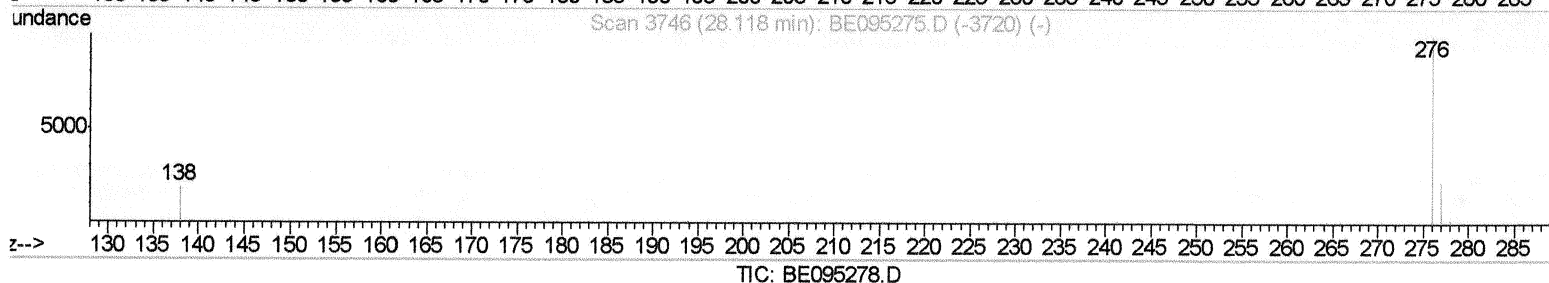
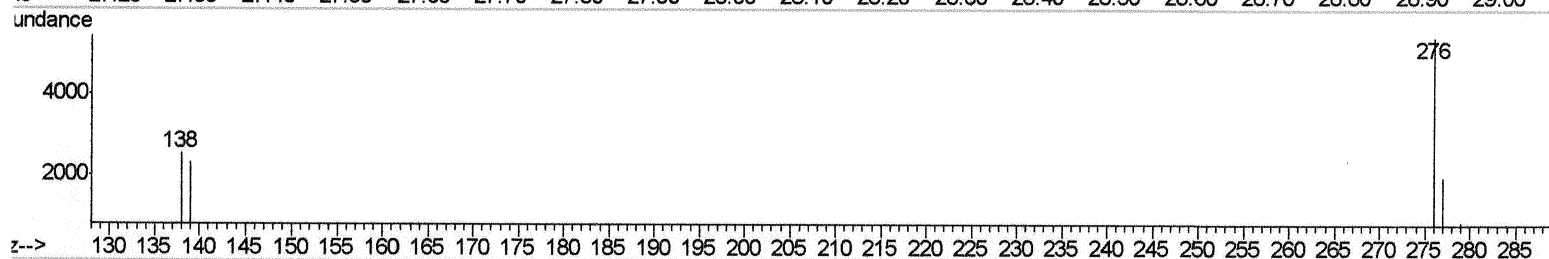
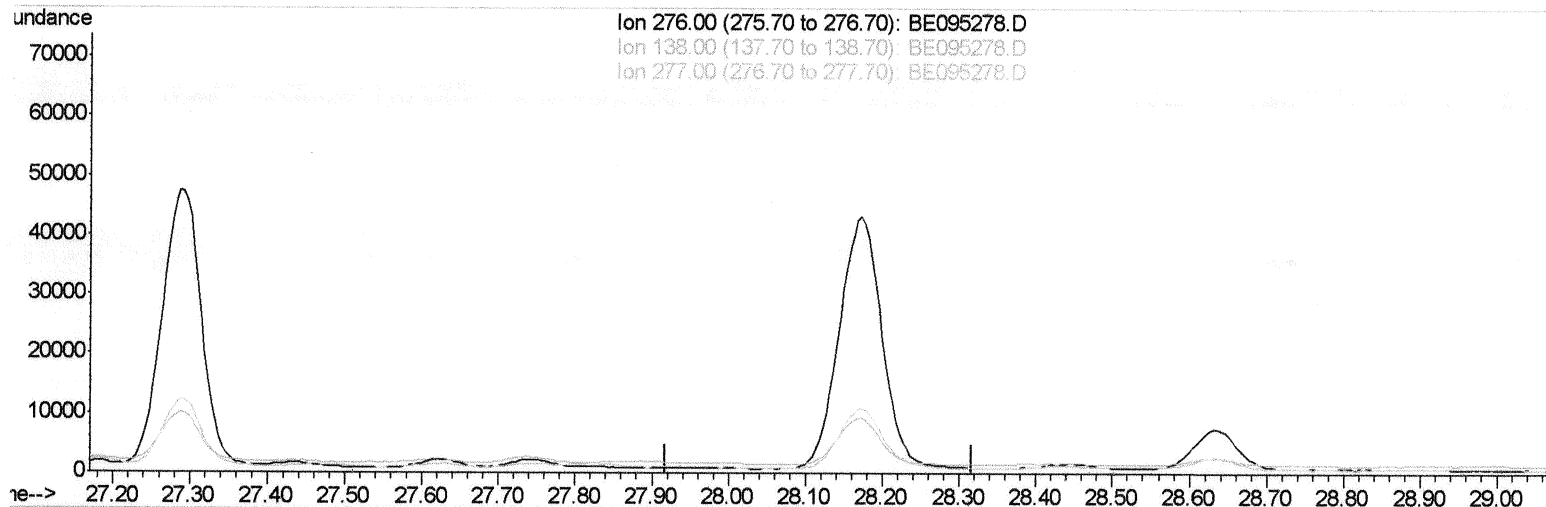
Manual Integrations
 APPROVED

Instrument : BNA_E
 ClientSampled : F6A47

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
 Data File : BE095278.D
 Acq On : 30 Jan 2018 10:40
 Operator : SJ/JU
 Sample : J1174-12RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 01:59:17 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 01:22:09 2018
 Response via : Initial Calibration



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

28.118min (-28.118) 0.00ng/ul

1/31/2018 8:27:56 PM

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Manual Integrations

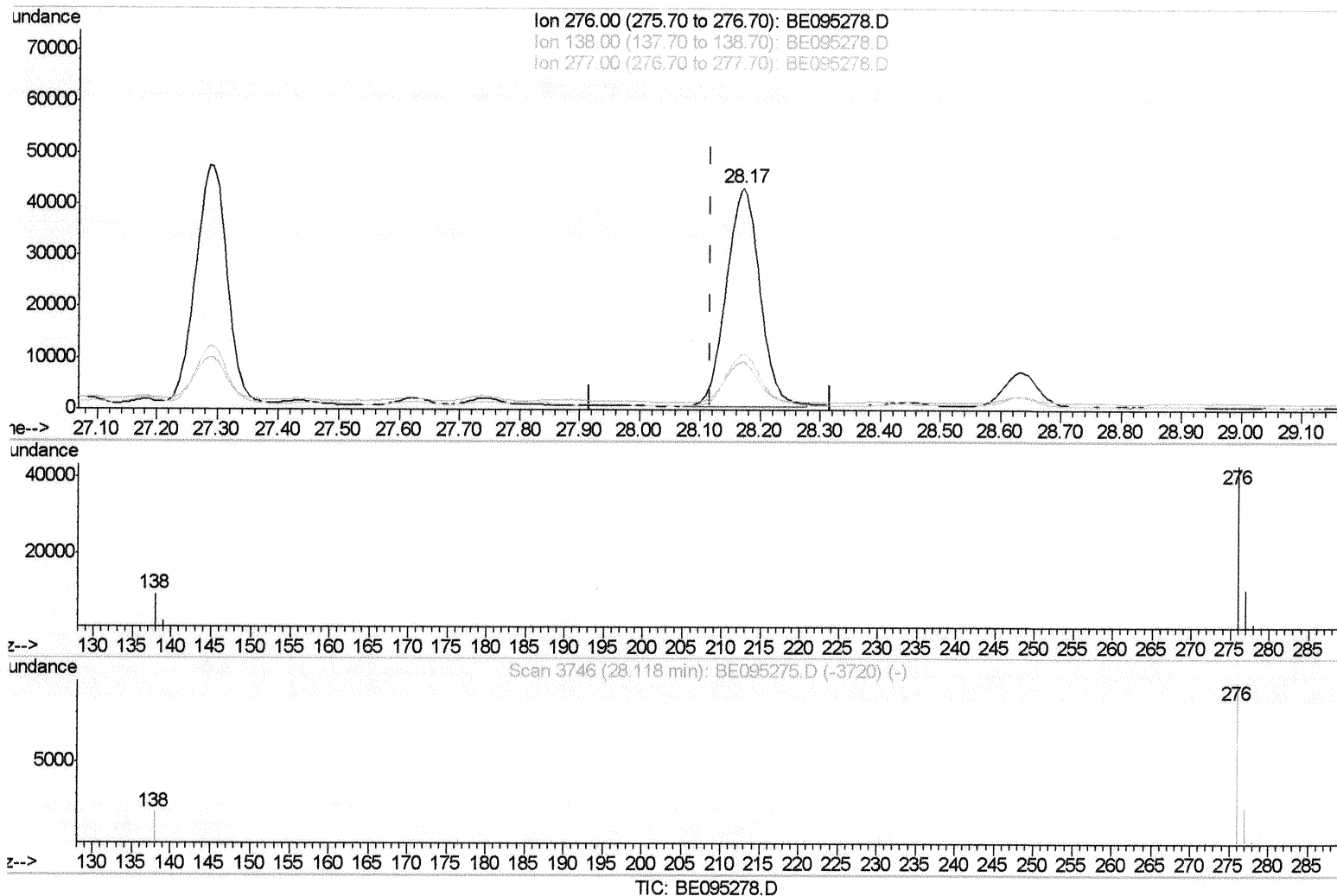
#ClientSampled :

Instrument :

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
 Data File : BE095278.D
 Acq On : 30 Jan 2018 10:40
 Operator : SJ/JU
 Sample : J1174-12RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 01:59:17 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 01:22:09 2018
 Response via : Initial Calibration



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

28.172min (+0.054) 6.48ng/ul m > 51 2/11/18

1/31/2018 8:27:56 PM

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Manual Integrations
 APPROVED

#

76A47

Client Sampled :

BNA E

Instrument :

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
 Data File : BE095278.D
 Acq On : 30 Jan 2018 10:40
 Operator : SJ/JU
 Sample : J1174-12RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 02:01:57 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Jan 31 01:22:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.44	152	2990	0.40	ng/ul	0.00
2) Naphthalene-d8	11.26	136	8912	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.02	164	7133m	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.73	188	9679m	0.40	ng/ul	0.02
16) Chrysene-d12	21.81	240	9709	0.40	ng/ul	0.00
20) Perylene-d12	24.46	264	8693m	0.40	ng/ul	0.03

SJ 2/1/18

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.81	152	4396	0.30	ng/ul	0.00
14) Fluoranthene-d10	19.71	212	6567	0.18	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	11.31	128	7036	0.282	ng/ul#	76
5) 2-Methylnaphthalene	12.89	142	62447	3.747	ng/ul	99
7) Acenaphthylene	14.75	152	45733	1.332	ng/ul#	82
8) Acenaphthene	15.08	153	81209	3.050	ng/ul	92
9) Fluorene	16.05	166	60678	2.210	ng/ul#	94
11) Pentachlorophenol	17.38	266	22100	11.789	ng/ul	98
12) Phenanthrene	17.75	178	151961	4.668	ng/ul#	88
13) Anthracene	17.84	178	94137m	3.159	ng/ul	
15) Fluoranthene	19.73	202	375096	8.899	ng/ul	81
17) Pyrene	20.09	202	670984	20.596	ng/ul#	76
18) Benzo(a)anthracene	21.80	228	146939	4.841	ng/ul#	90
19) Chrysene	21.83	228	182413	5.787	ng/ul#	87
21) Benzo(b)fluoranthene	23.64	252	343382m	11.196	ng/ul	
22) Benzo(k)fluoranthene	23.69	252	66932m	2.386	ng/ul	
23) Benzo(a)pyrene	24.35	252	244026m	8.911	ng/ul	
24) Indeno(1,2,3-cd)pyrene	27.29	276	163597m	5.447	ng/ul	
25) Dibenzo(a,h)anthracene	27.30	278	31552m	1.284	ng/ul	
26) Benzo(g,h,i)perylene	28.17	276	164750m	6.479	ng/ul	

SJ 2/1/18

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

1/31/2018 8:27:56 PM

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 Manual Integrations

 Instrument : BNA_E
 Client Sample : F6A47