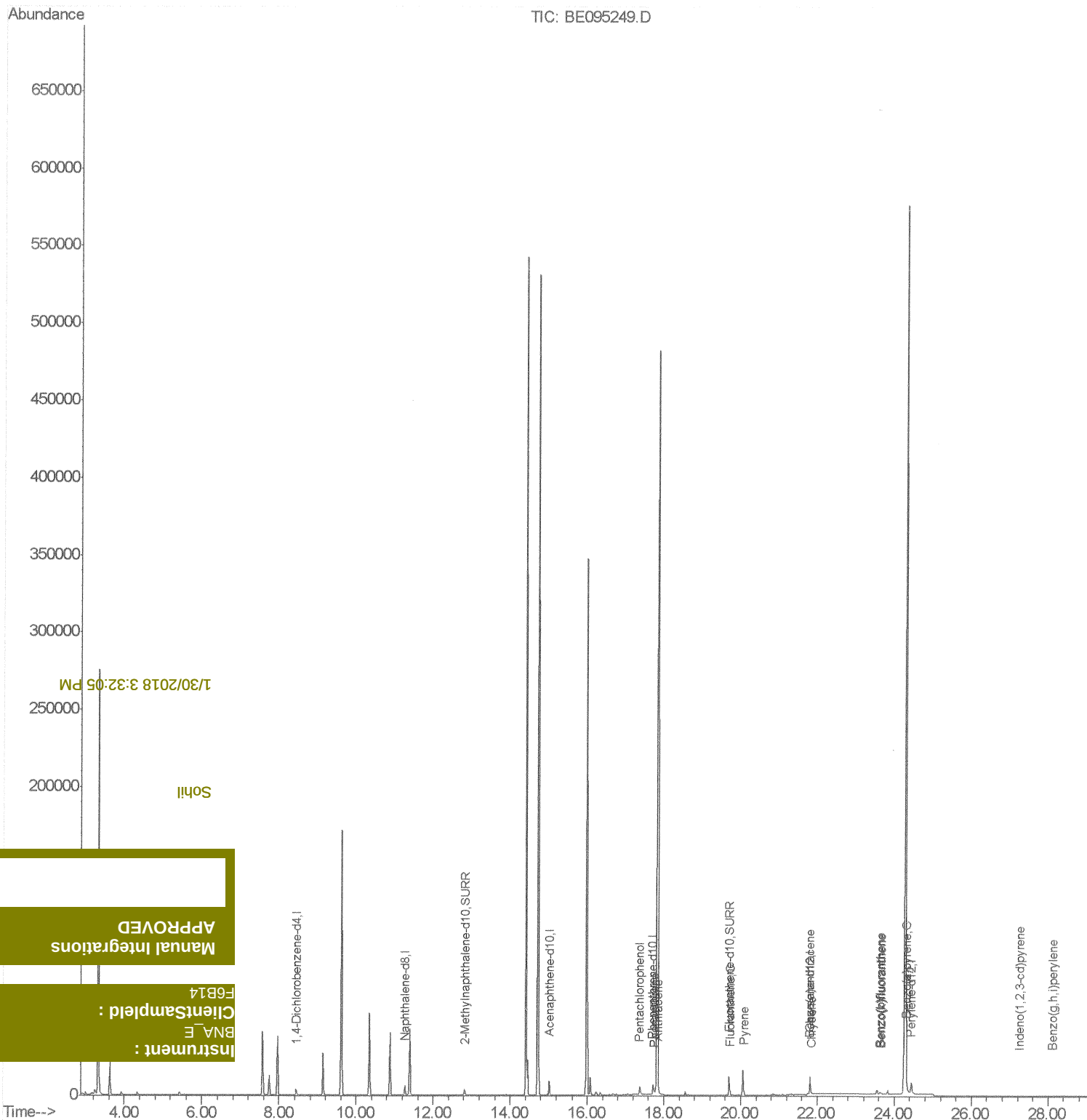


# Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012918\  
 Data File : BE095249.D  
 Acq On : 29 Jan 2018 16:32  
 Operator : SJ/JU  
 Sample : J1233-10  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

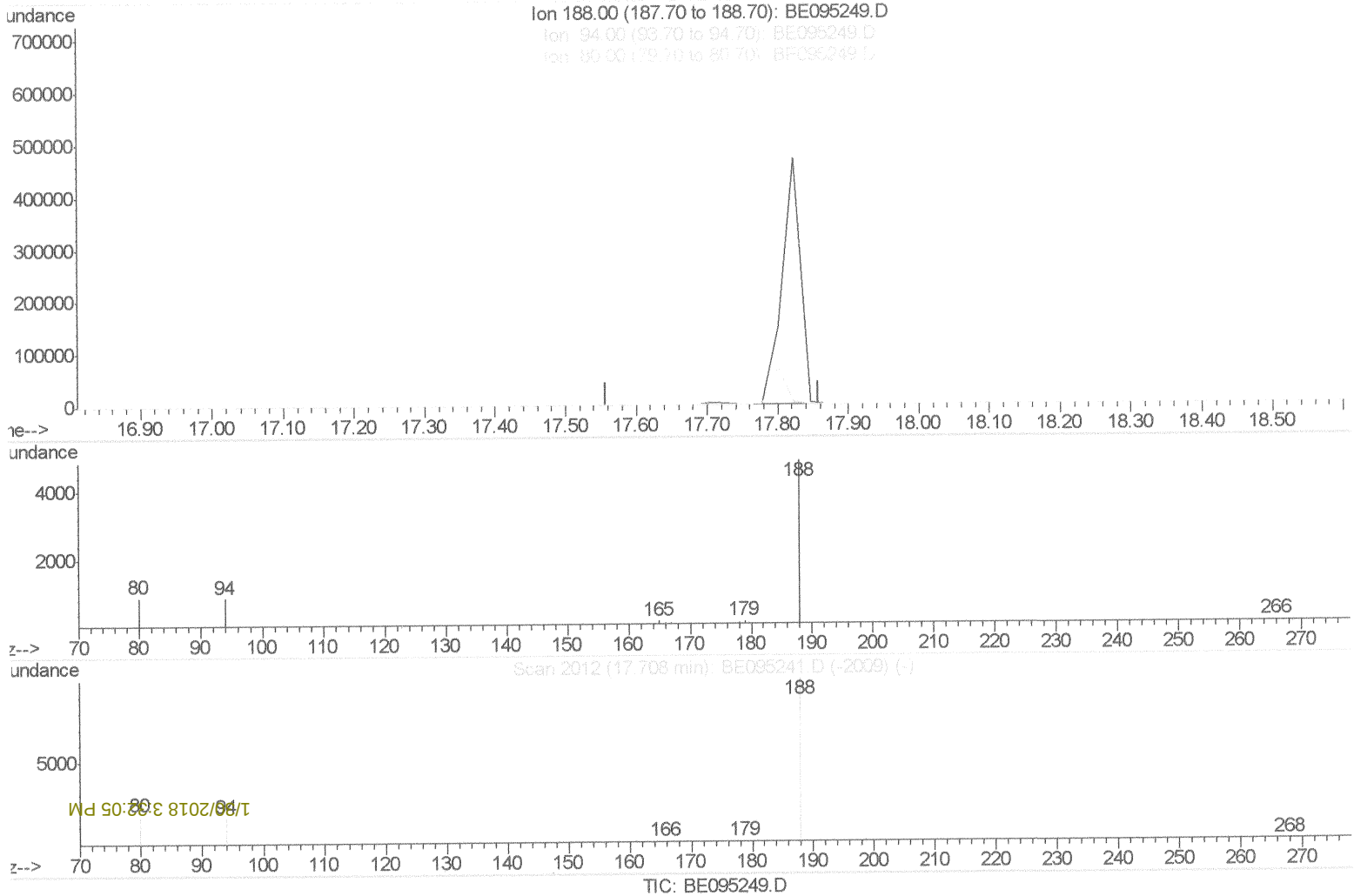
Quant Time: Jan 30 05:22:12 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 30 04:43:36 2018  
 Response via : Initial Calibration



# Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012918\  
Data File : BE095249.D  
Acq On : 29 Jan 2018 16:32  
Operator : SJ/JU  
Sample : J1233-10  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 30 04:44:55 2018  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jan 30 04:43:36 2018  
Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.708min (-17.708) 0.00ng/ul

Manual Integrations  
APPROVED

#00.00 11.00 94.00

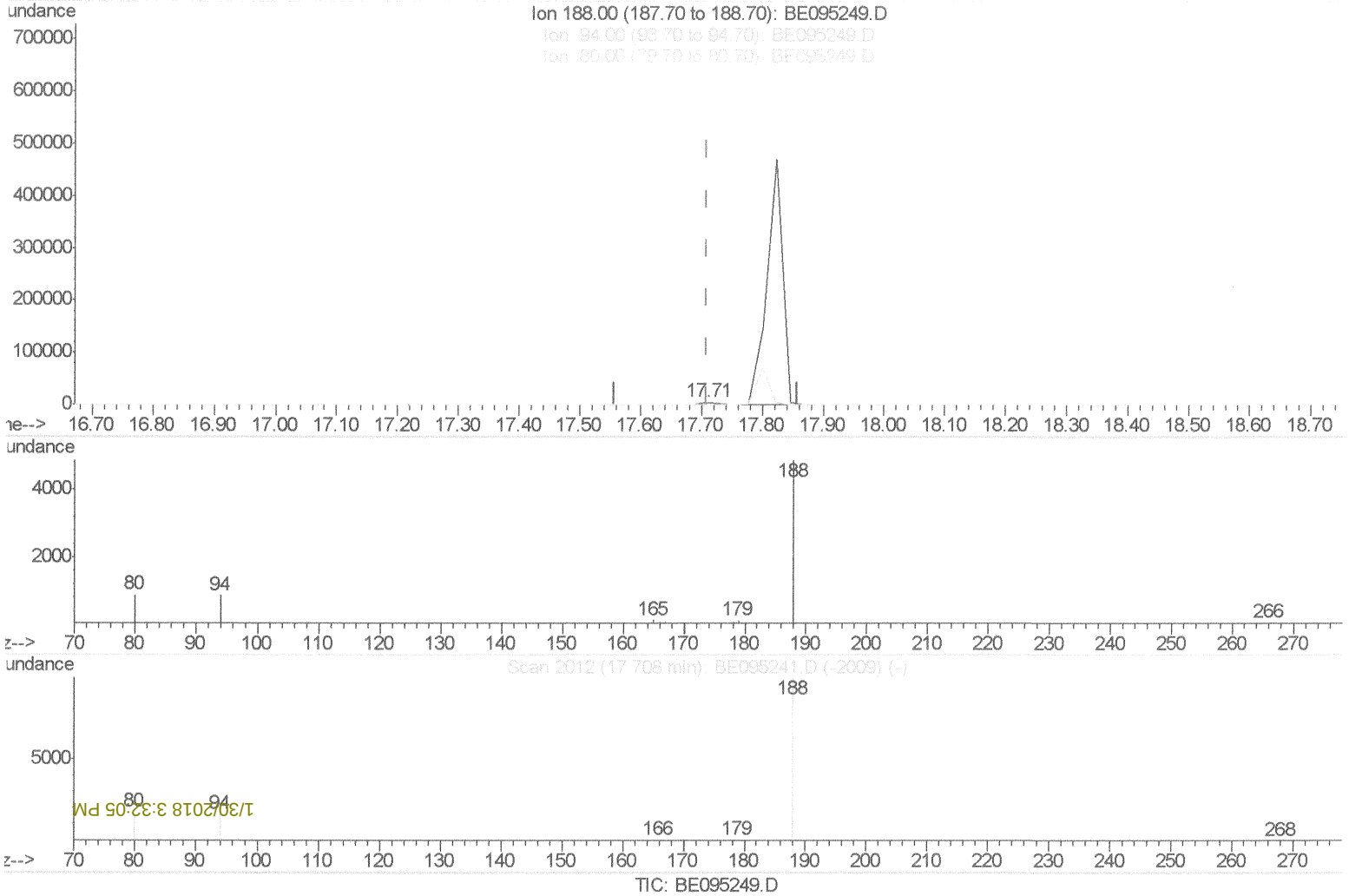
ClientSampled :  
F6B14

Instrument :  
BNA\_E

# Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012918\  
 Data File : BE095249.D  
 Acq On : 29 Jan 2018 16:32  
 Operator : SJ/JU  
 Sample : J1233-10  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 30 04:44:55 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 30 04:43:36 2018  
 Response via : Initial Calibration



(10) Phenanthrene-110 (I)

17.708min (+0.000) 0.40ng/ul m

*Handwritten signature*

Manual Integrations  
 APPROVED

#0181 00:11 11:00

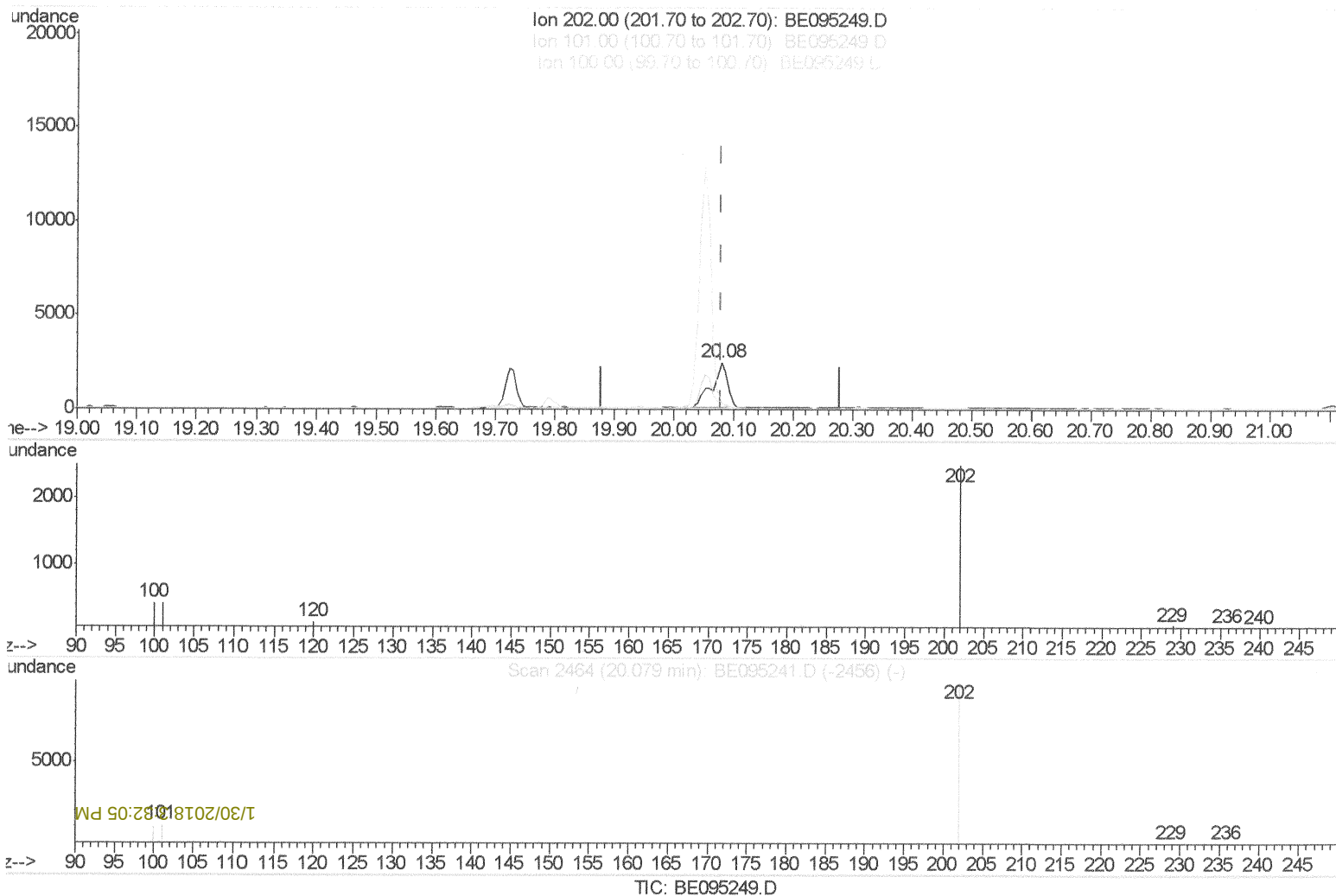
#0181 00:11 11:00  
 Client Sampled : F6B14

Instrument : BNA\_E

# Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012918\  
 Data File : BE095249.D  
 Acq On : 29 Jan 2018 16:32  
 Operator : SJ/JU  
 Sample : J1233-10  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 30 05:19:26 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 30 04:43:36 2018  
 Response via : Initial Calibration



(17) Pyrene S  
 20.079min (+0.000) 0.15ng/ul

Manual Integrations  
 APPROVED

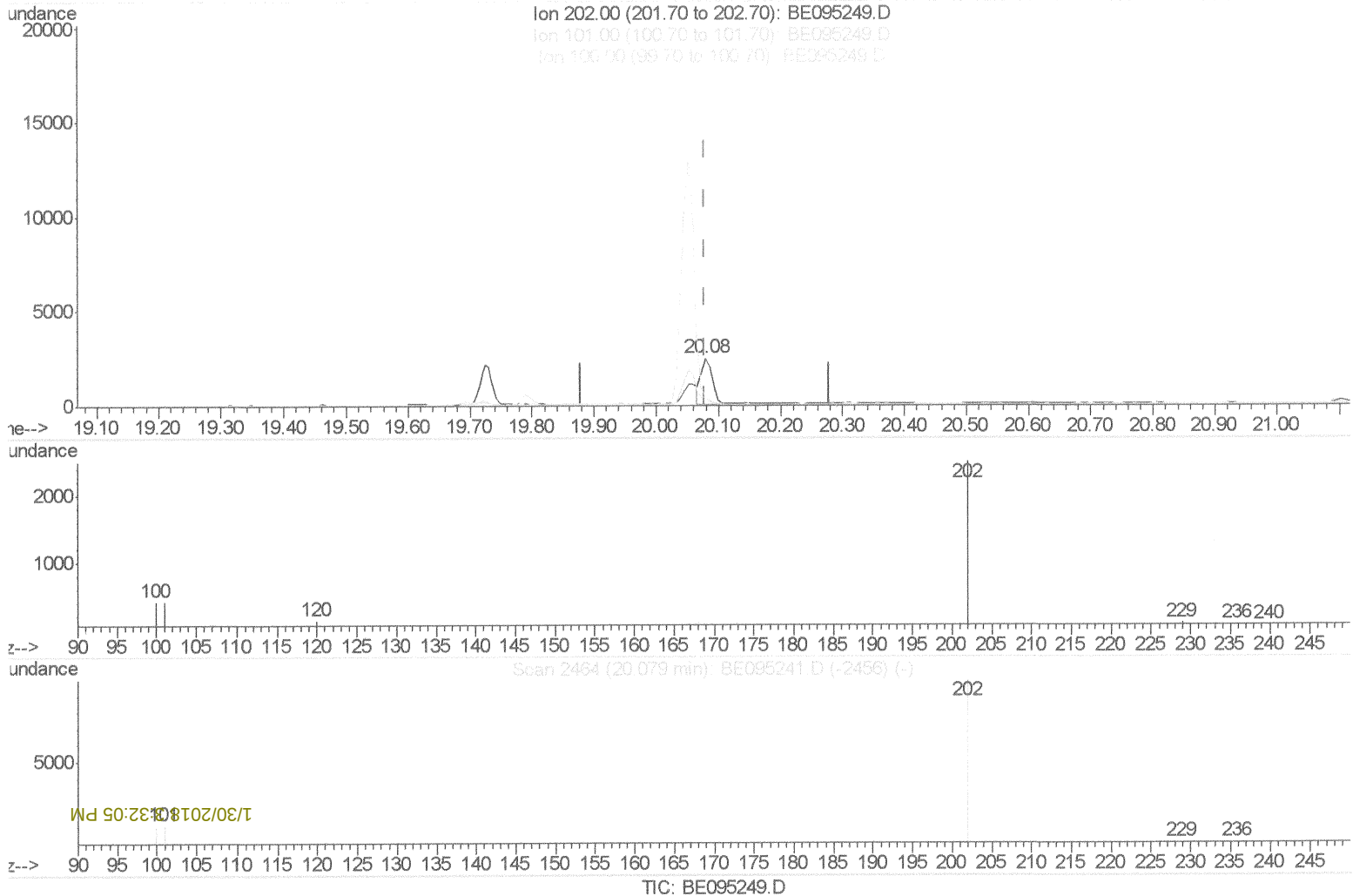
#1491 08.27 00.101

Instrument :  
 BNA\_E  
 Client Sample :  
 F6814

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012918\  
Data File : BE095249.D  
Acq On : 29 Jan 2018 16:32  
Operator : SJ/JU  
Sample : J1233-10  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 30 05:19:26 2018  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jan 30 04:43:36 2018  
Response via : Initial Calibration



(17) Pyrene <sup>10</sup>hll

20.079min (+0.000) 0.08ng/ul m

8/10/18

Manual Integrations  
APPROVED

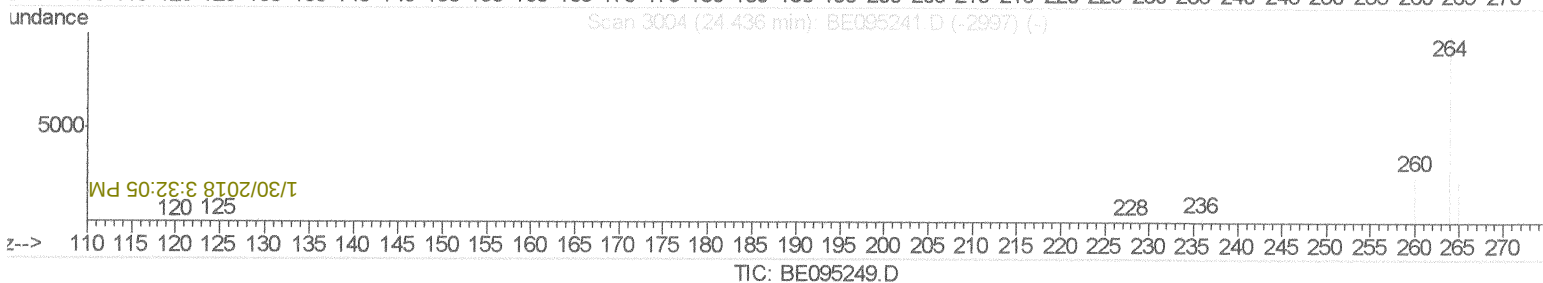
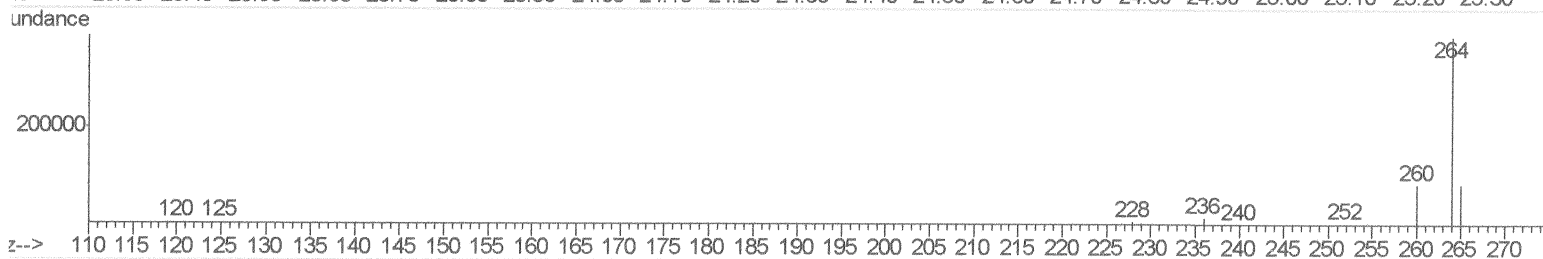
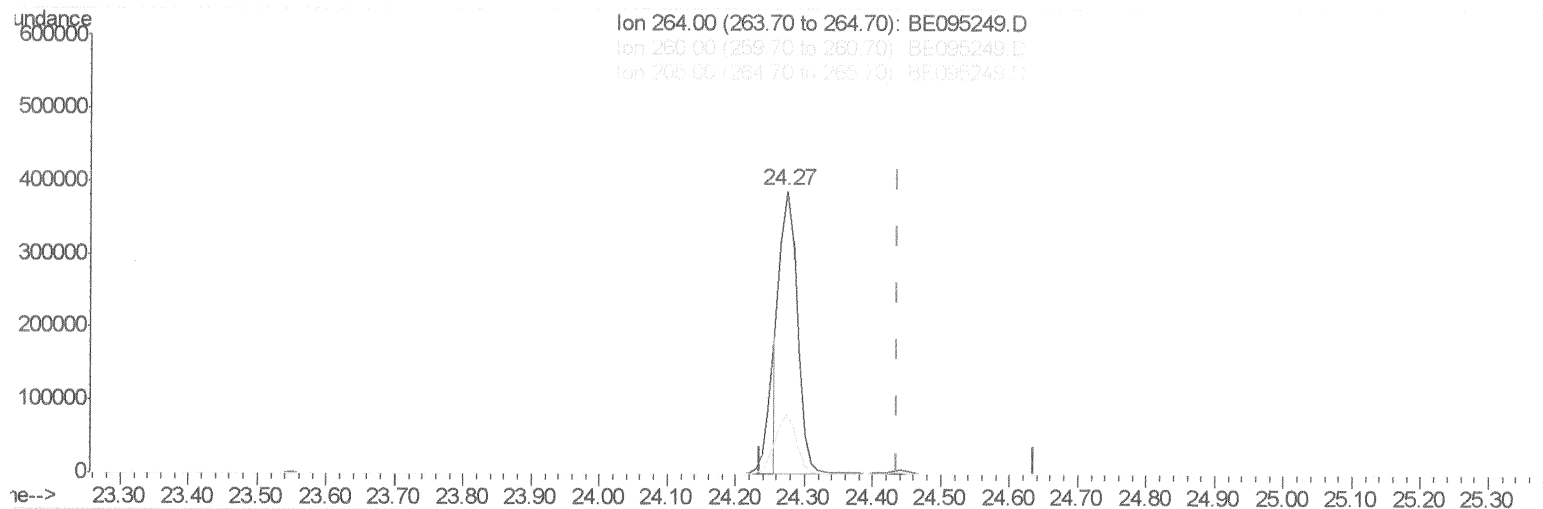
# 101.00 22.80 16.41

Instrument :  
BNA\_E  
Client Sample :  
F6B14

# Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012918\  
 Data File : BE095249.D  
 Acq On : 29 Jan 2018 16:32  
 Operator : SJ/JU  
 Sample : J1233-10  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 30 05:19:26 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 30 04:43:36 2018  
 Response via : Initial Calibration



(20) Perylene-d10

24.274min (-0.162) 0.40ng/ul

Manual Integrations  
 APPROVED

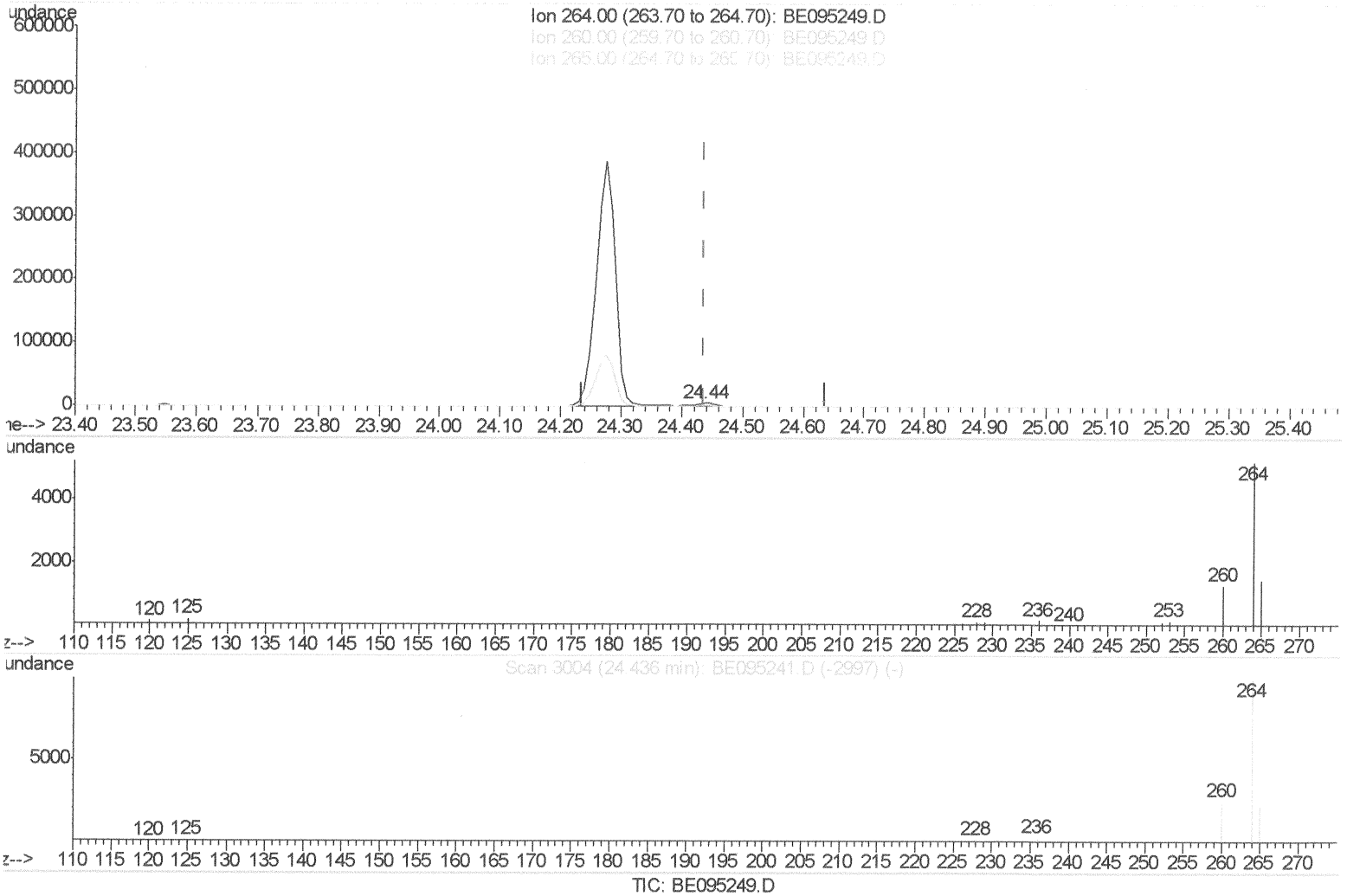
#0117 2018-01-30

Instrument : BNA\_E  
 Client Sample : #47  
 F6814

# Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012918\  
 Data File : BE095249.D  
 Acq On : 29 Jan 2018 16:32  
 Operator : SJ/JU  
 Sample : J1233-10  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 30 05:19:26 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 30 04:43:36 2018  
 Response via : Initial Calibration



(20) Perylene-d12 (I)

24.436min (+0.000) 0.40ng/ul m

*24.436min*

Sohil

Manual Integrations  
 APPROVED

25.32 30.10 26.00

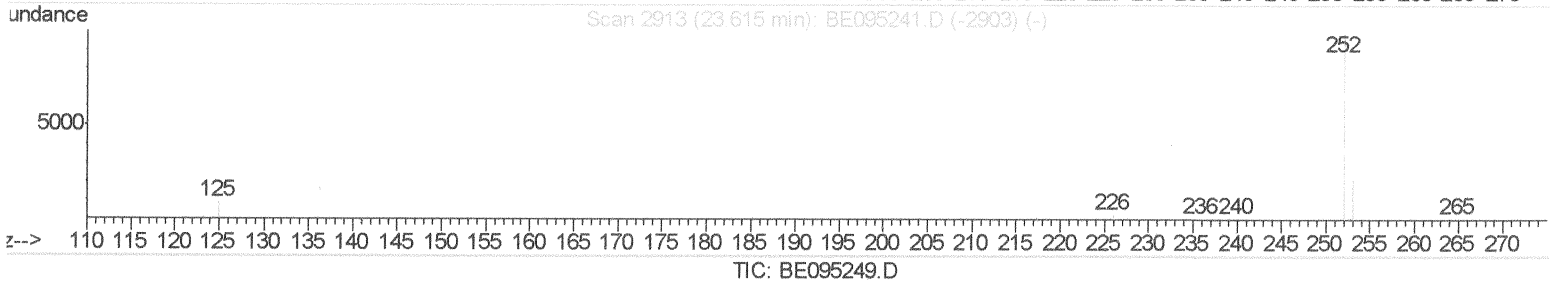
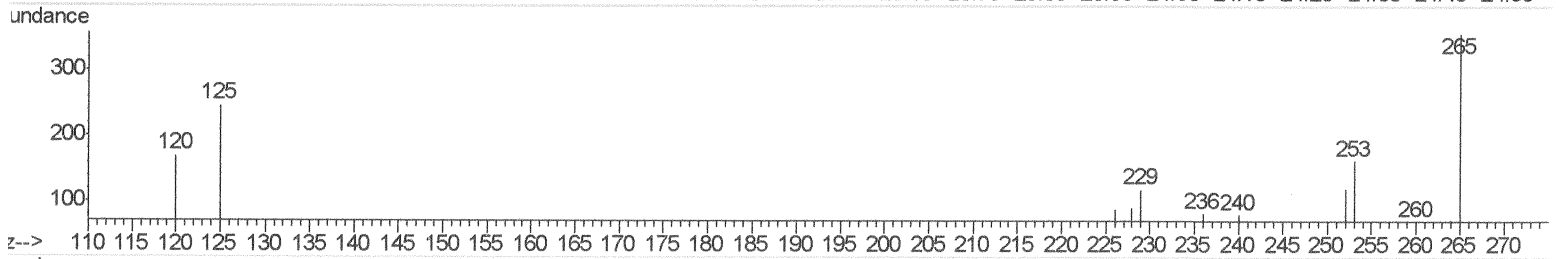
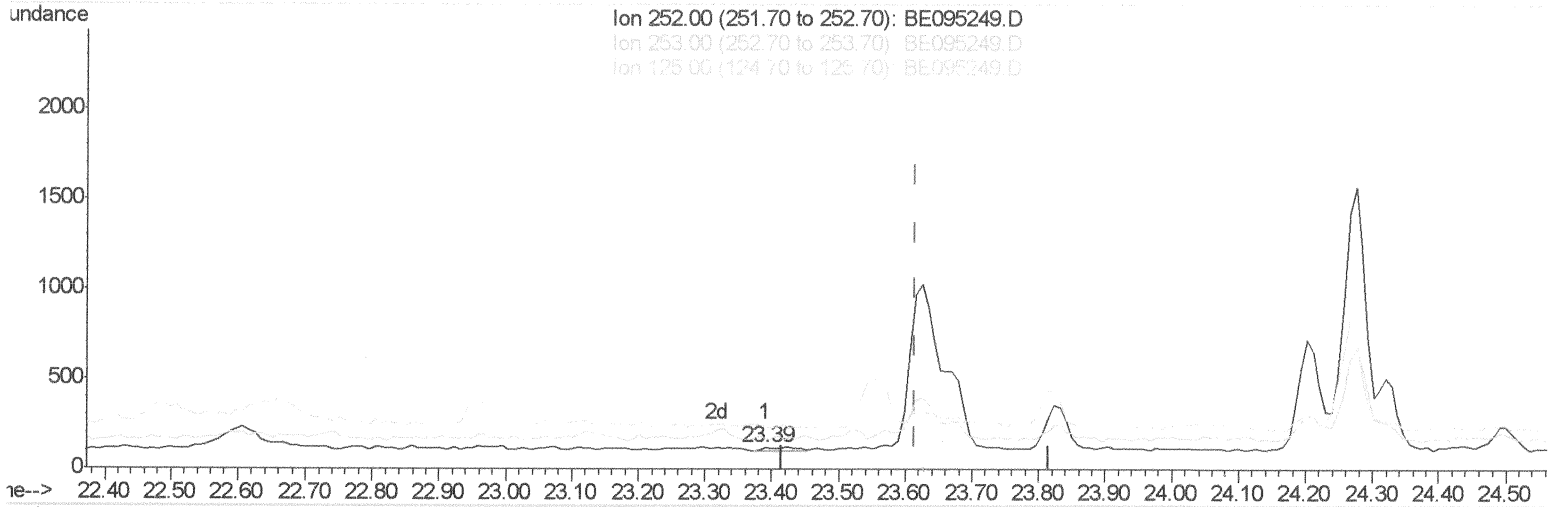
#18 Client Sample

Instrument : BNA\_E

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012918\  
Data File : BE095249.D  
Acq On : 29 Jan 2018 16:32  
Operator : SJ/JU  
Sample : J1233-10  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 30 05:20:32 2018  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jan 30 04:43:36 2018  
Response via : Initial Calibration



(21) Benzo(b)fluoranthene

23.391min (-0.225) 0.00ng/ul

1/30/2018 3:32:05 PM

Sohil

Manual Integrations  
APPROVED

#38.83 13.10 00.52 253.00

F6B14

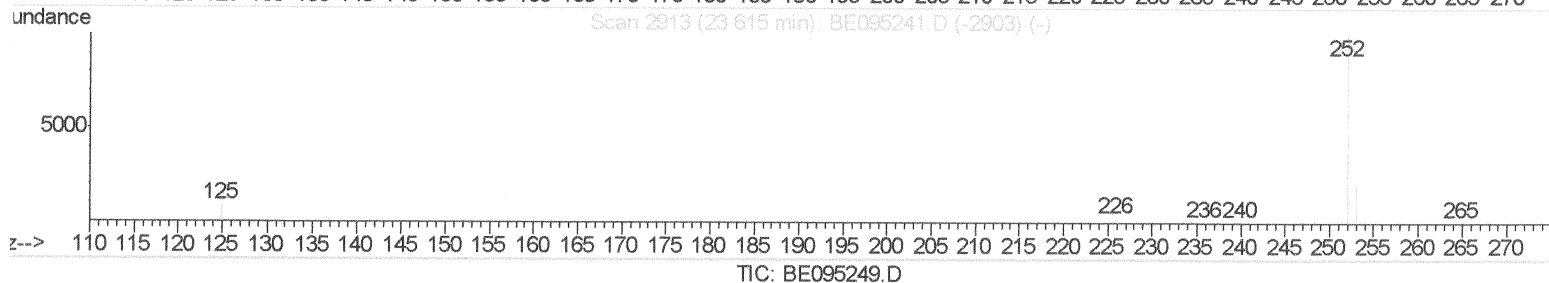
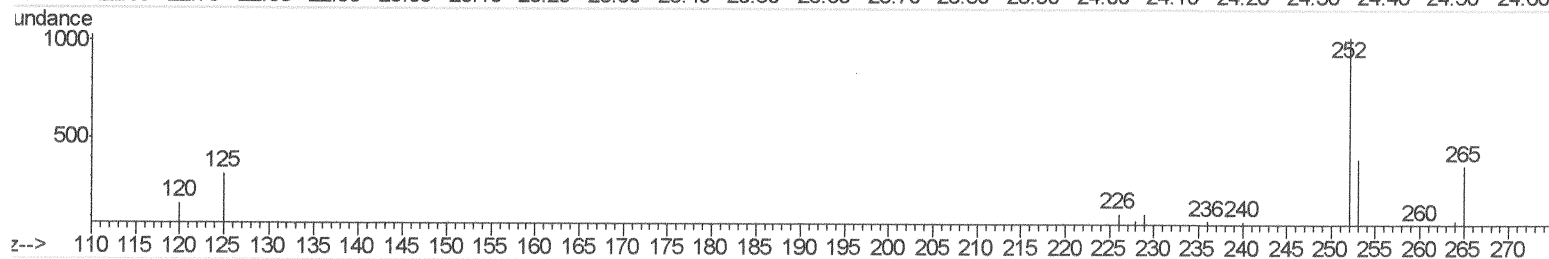
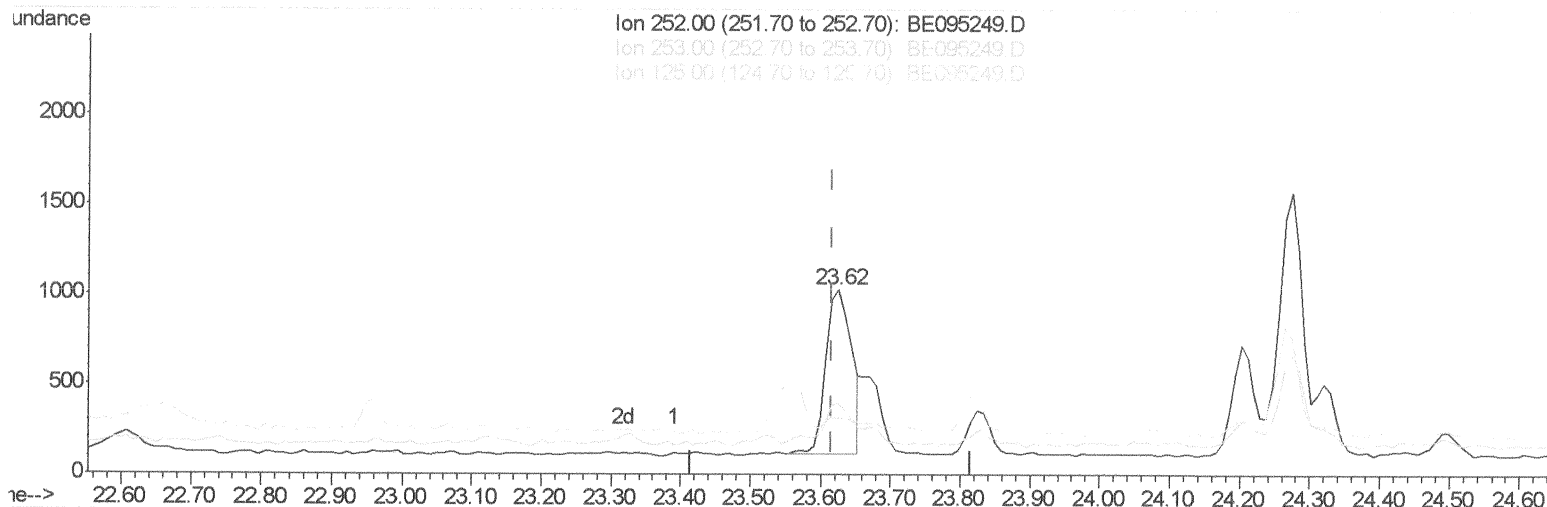
#00 Client Sample :

BNA\_E  
Instrument :

# Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012918\  
 Data File : BE095249.D  
 Acq On : 29 Jan 2018 16:32  
 Operator : SJ/JU  
 Sample : J1233-10  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 30 05:20:32 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 30 04:43:36 2018  
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

23.625min (+0.009) 0.07ng/ul m

1/30/2018 3:33:38 PM

Sohil

Manual Integrations  
 APPROVED

23.62 0.07 39.14

F6B14

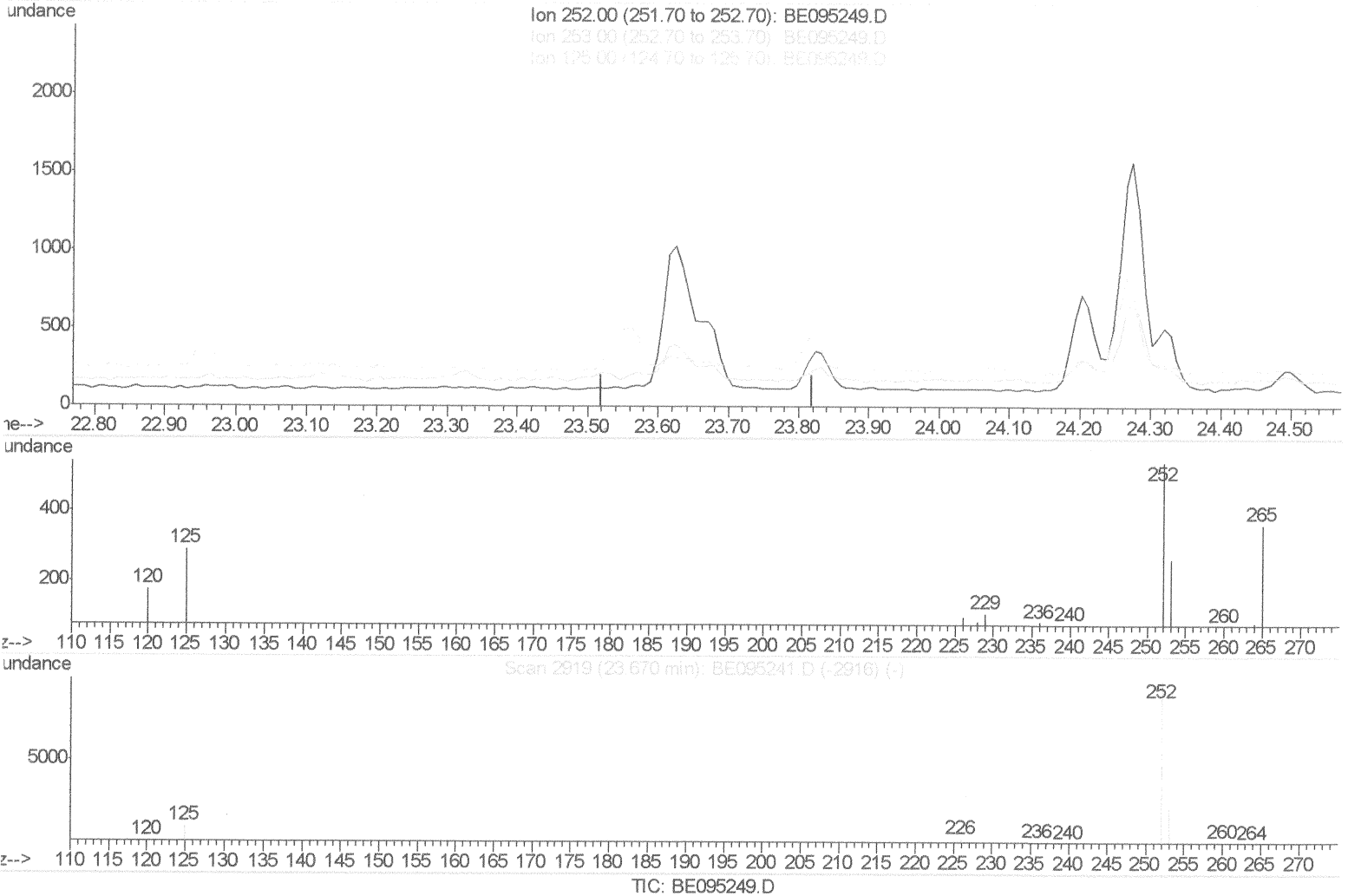
Client Sampled : 7

Instrument : BNA\_E

# Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012918\  
Data File : BE095249.D  
Acq On : 29 Jan 2018 16:32  
Operator : SJ/JU  
Sample : J1233-10  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 30 05:20:32 2018  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jan 30 04:43:36 2018  
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

23.670min (-23.670) 0.00ng/ul

1/30/2018 3:32:05 PM

Sohil

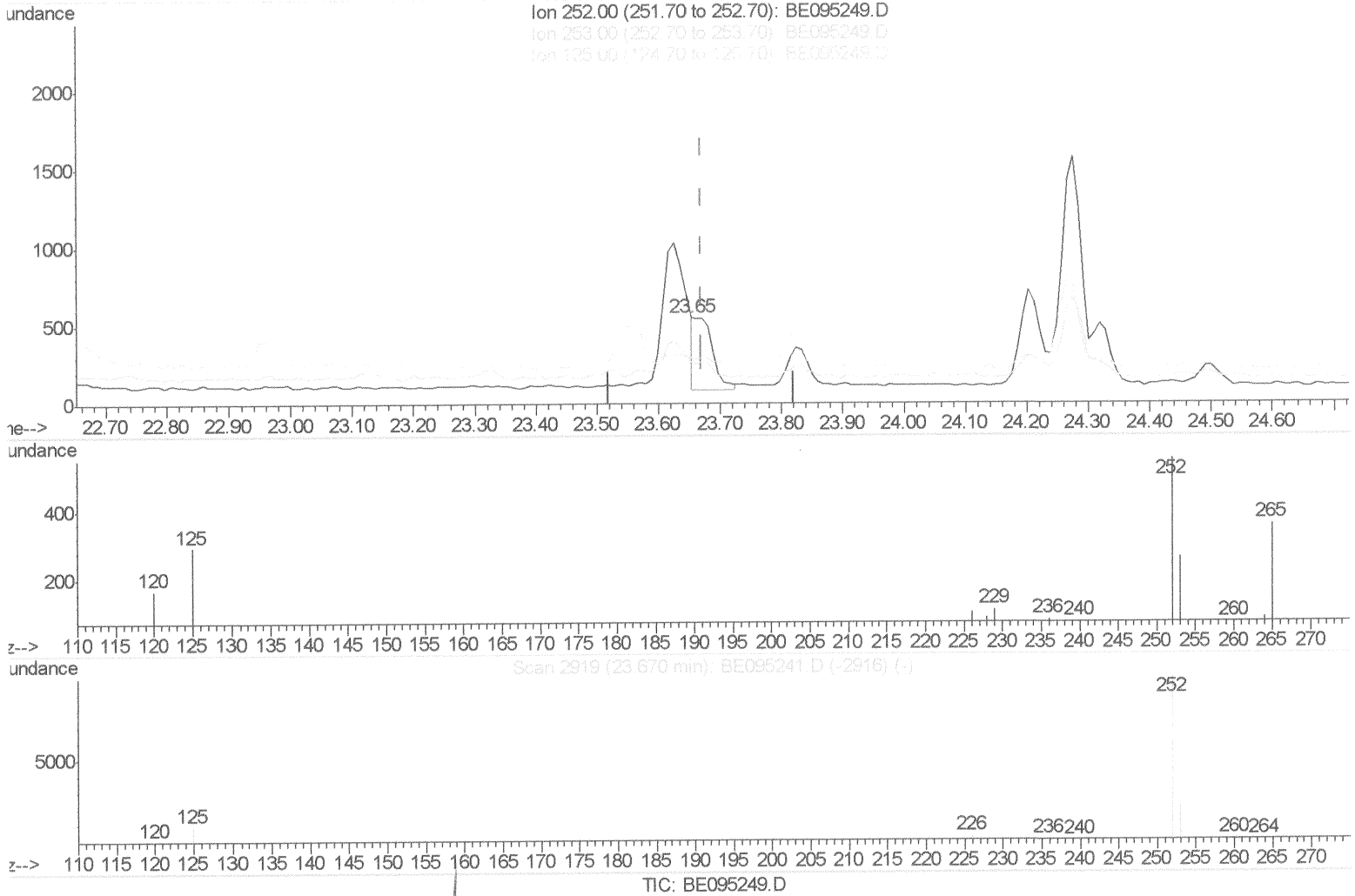
Manual Integrations  
APPROVED

Instrument :  
BNA\_E  
Client Sampled :  
#F6B14

# Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012918\  
 Data File : BE095249.D  
 Acq On : 29 Jan 2018 16:32  
 Operator : SJ/JU  
 Sample : J1233-10  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 30 05:20:32 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 30 04:43:36 2018  
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

23.652min (-0.018) 0.03ng/ul m

1/30/2018 8:07:08 PM

Sohil

Manual Integrations  
 APPROVED

# 47.72 30.60 253.00

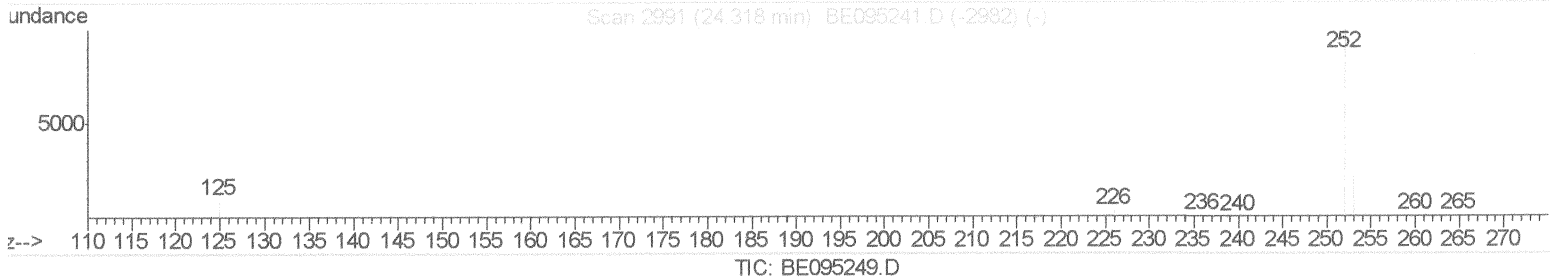
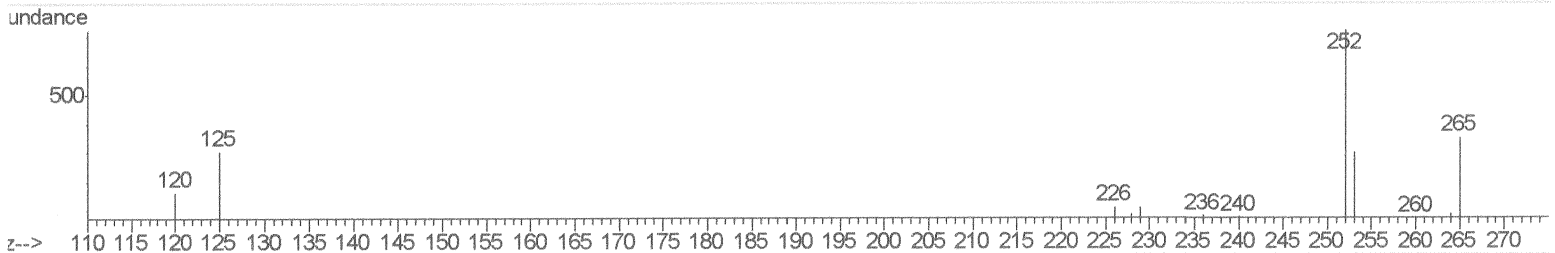
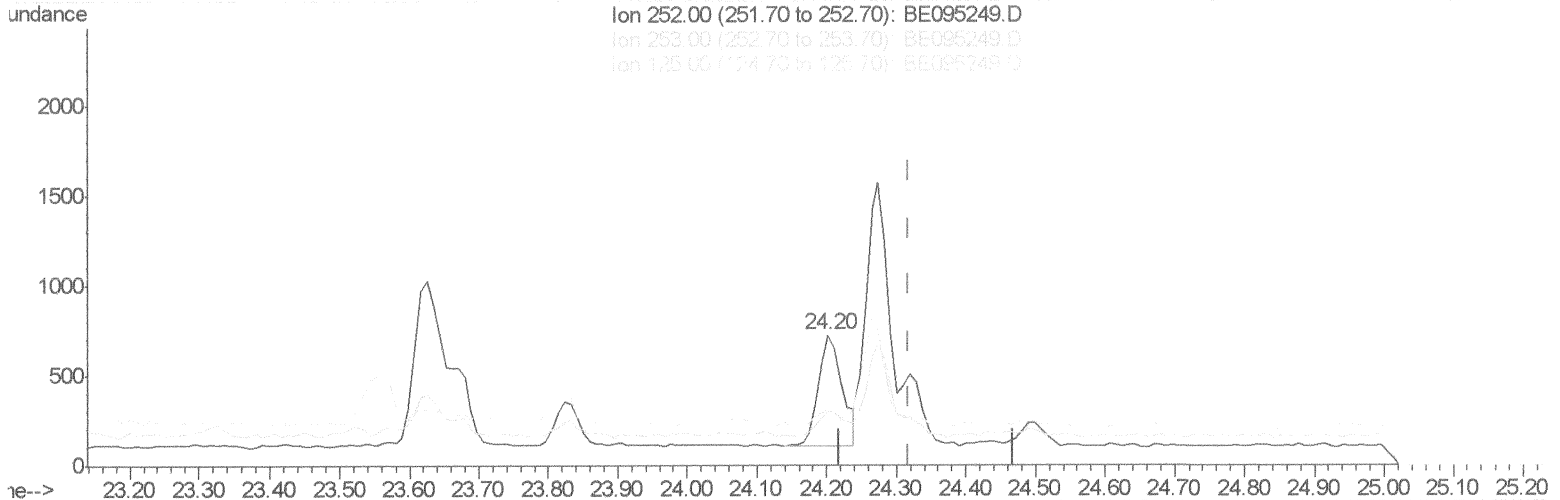
#37 Client Sample ID : F6B14

Instrument : BNA\_E

# Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012918\  
Data File : BE095249.D  
Acq On : 29 Jan 2018 16:32  
Operator : SJ/JU  
Sample : J1233-10  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 30 05:20:32 2018  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jan 30 04:43:36 2018  
Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

24.202min (-0.117) 0.05ng/ul

2018/01/30 3:38:38 PM

Sohil

Manual Integrations  
APPROVED

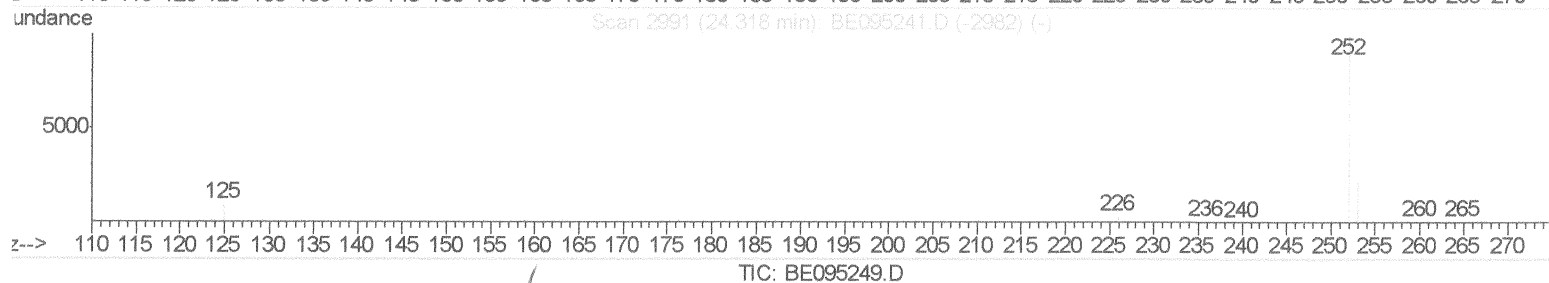
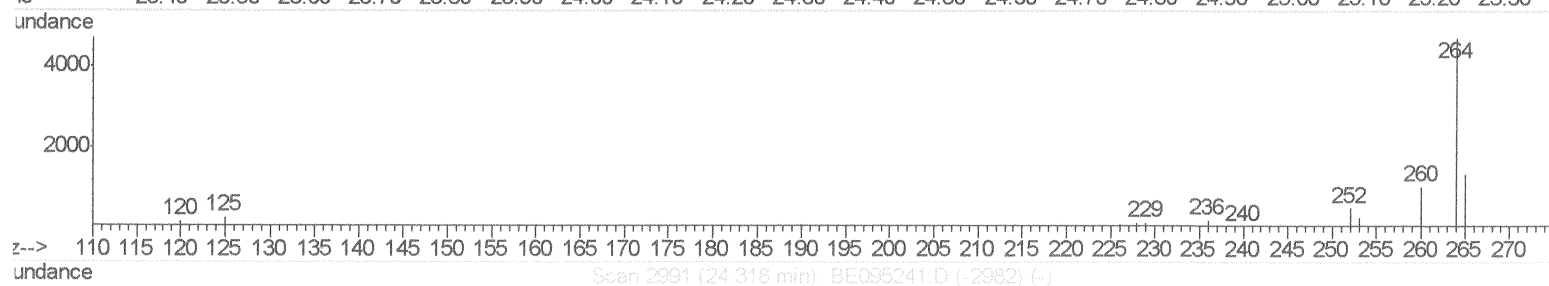
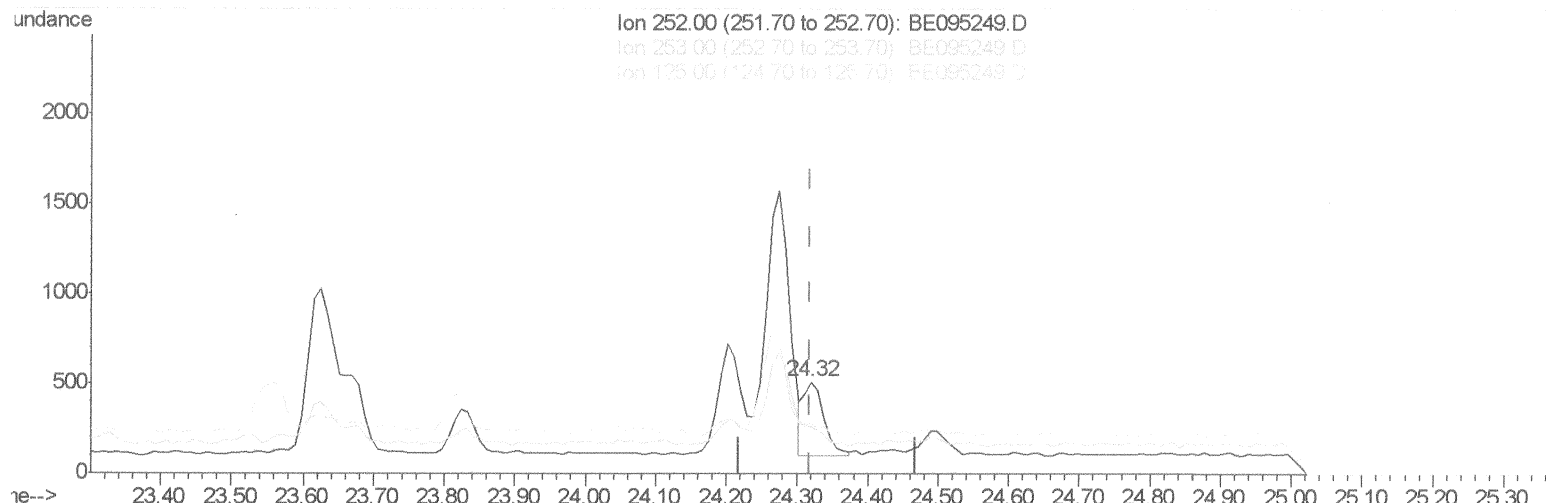
41.22 35.60 253.00

Instrument : BNA\_E  
ClientSample : F6B14  
#26

# Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012918\  
 Data File : BE095249.D  
 Acq On : 29 Jan 2018 16:32  
 Operator : SJ/JU  
 Sample : J1233-10  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 30 05:20:32 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 30 04:43:36 2018  
 Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

24.319min (+0.000) 0.03ng/ul m

1/30/2018 3:32:05 PM

Sohil

Manual Integrations  
 APPROVED

#9915 09:55 253.00

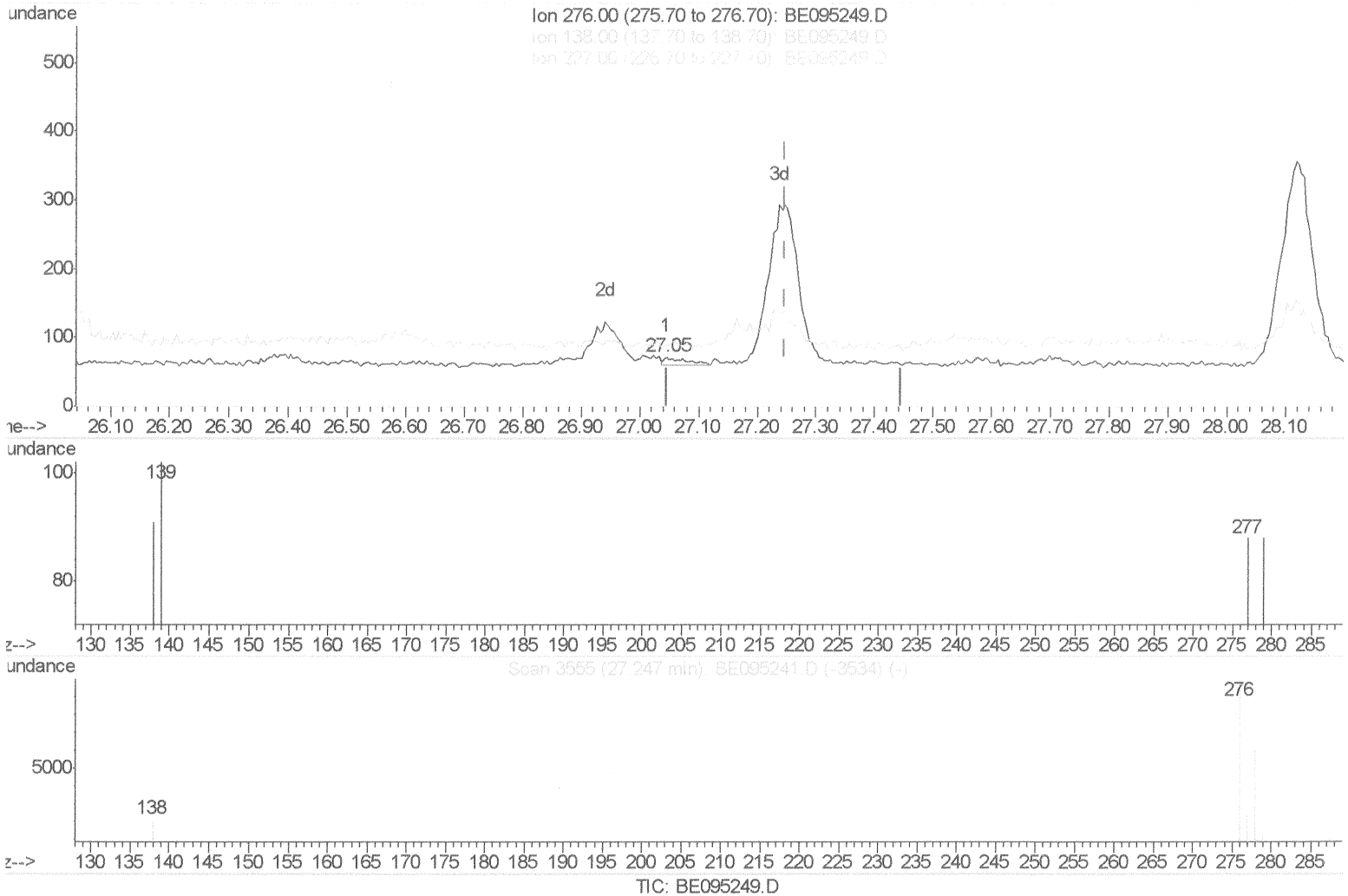
#1 Client Sampled :  
 BNA\_E

Instrument :

# Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012918\  
 Data File : BE095249.D  
 Acq On : 29 Jan 2018 16:32  
 Operator : SJ/JU  
 Sample : J1233-10  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 30 05:20:32 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 30 04:43:36 2018  
 Response via : Initial Calibration



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

27.046min (-0.201) 0.00ng/ul

1/30/2018 3:32:05 PM

Sohil

Manual Integrations  
 APPROVED

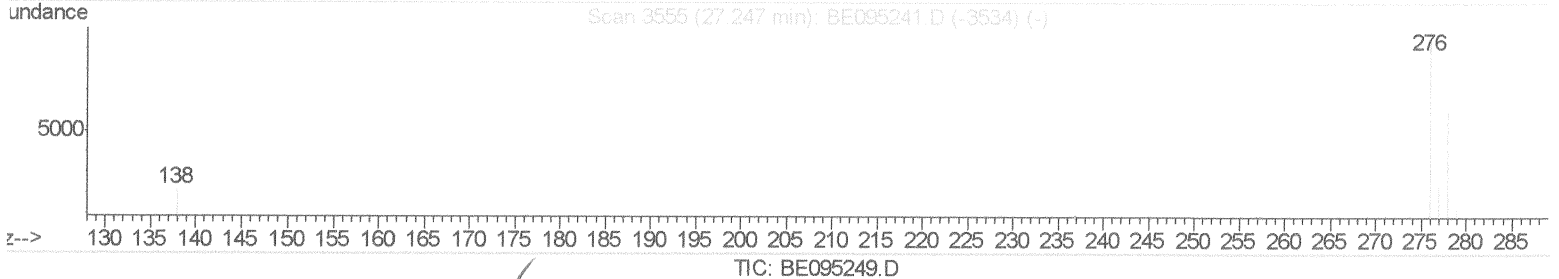
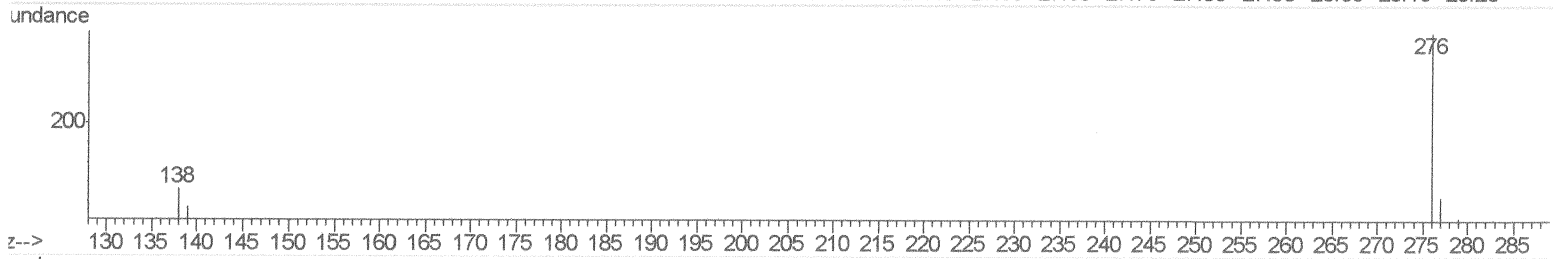
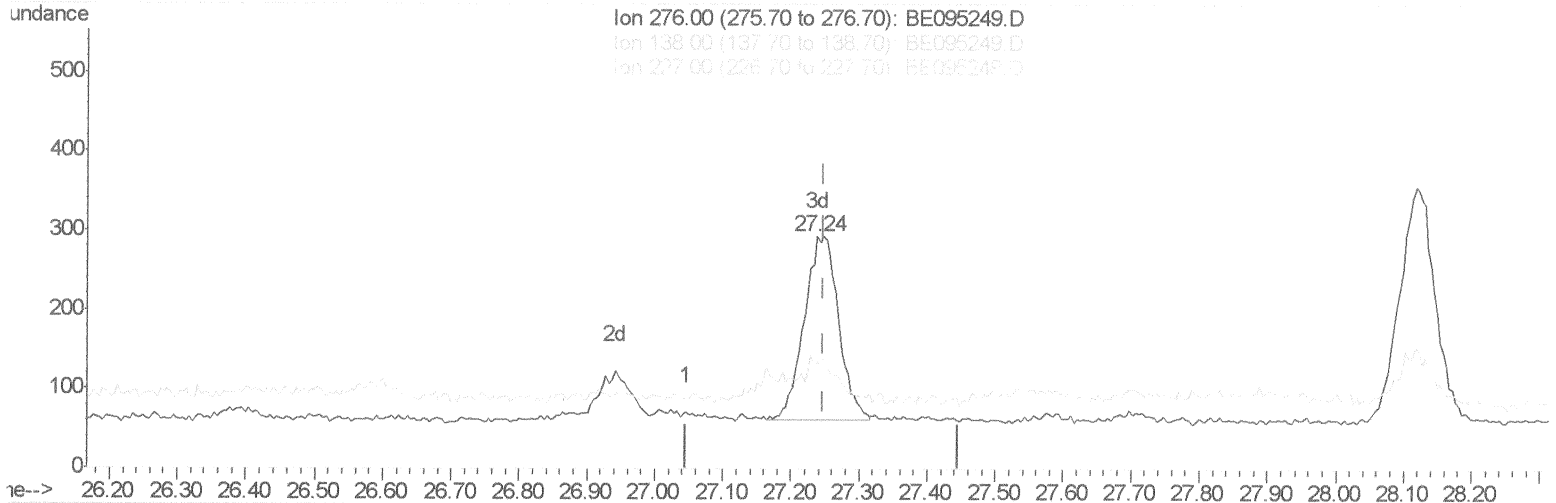
41.94  
 35.00  
 138.00

Instrument :  
 BNA\_E  
 Client Sample :  
 F6B14

# Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012918\  
Data File : BE095249.D  
Acq On : 29 Jan 2018 16:32  
Operator : SJ/JU  
Sample : J1233-10  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 30 05:20:32 2018  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jan 30 04:43:36 2018  
Response via : Initial Calibration



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

27.237min (-0.009) 0.03ng/ul m

1/30/2018 3:32:05 PM

Sohil

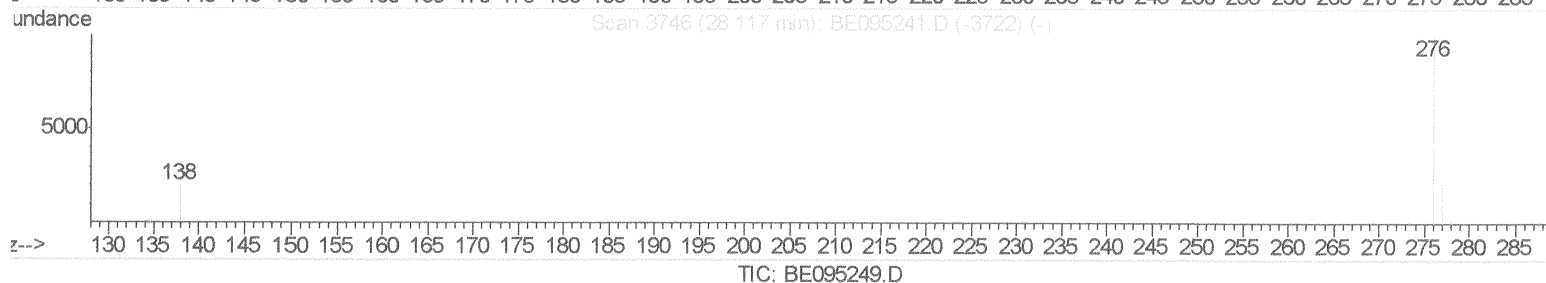
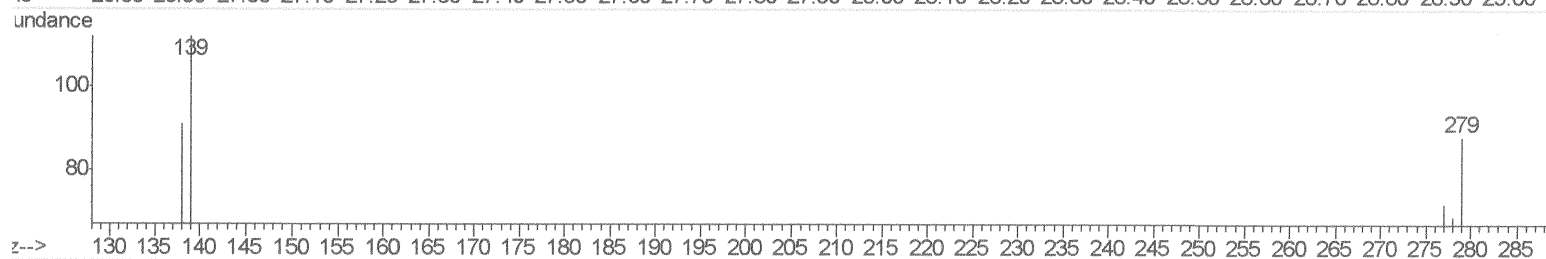
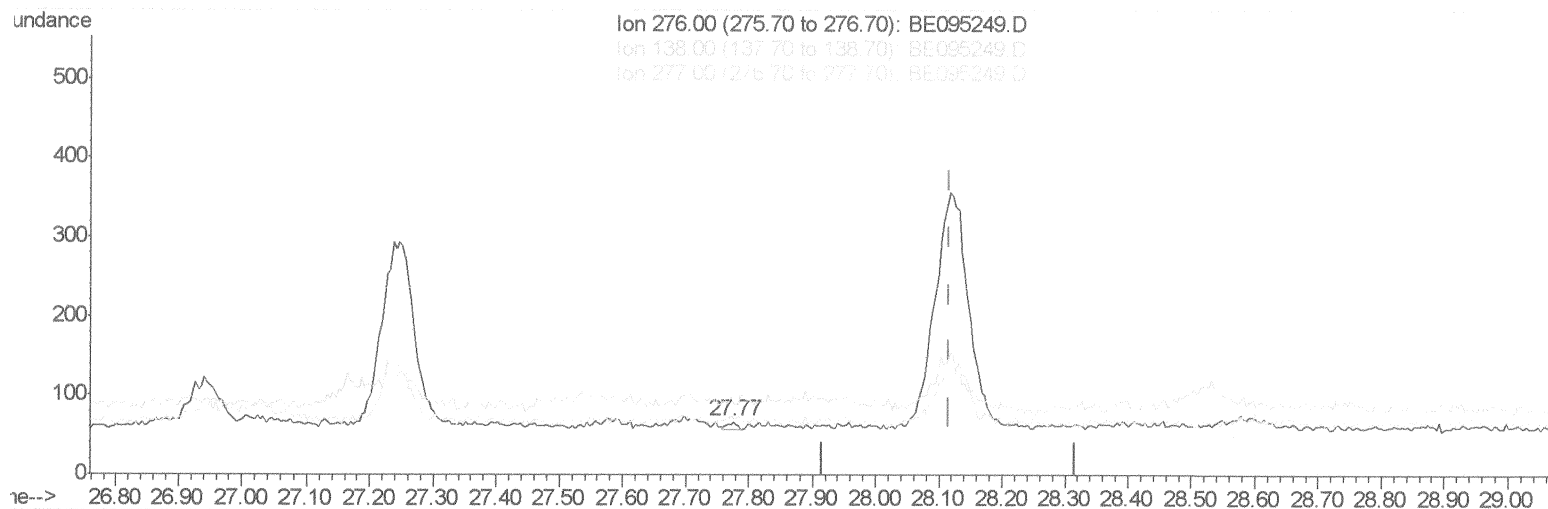
Manual Integrations  
APPROVED

Instrument :  
BNA\_E  
Client Sampled :  
#0F6B14

# Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012918\  
 Data File : BE095249.D  
 Acq On : 29 Jan 2018 16:32  
 Operator : SJ/JU  
 Sample : J1233-10  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 30 05:20:32 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 30 04:43:36 2018  
 Response via : Initial Calibration



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

27.775min (-0.342) 0.00ng/ul

1/30/2018 3:32:05 PM

Sohil

Manual Integrations  
 APPROVED

#28.82 138.00 27.30 00.821

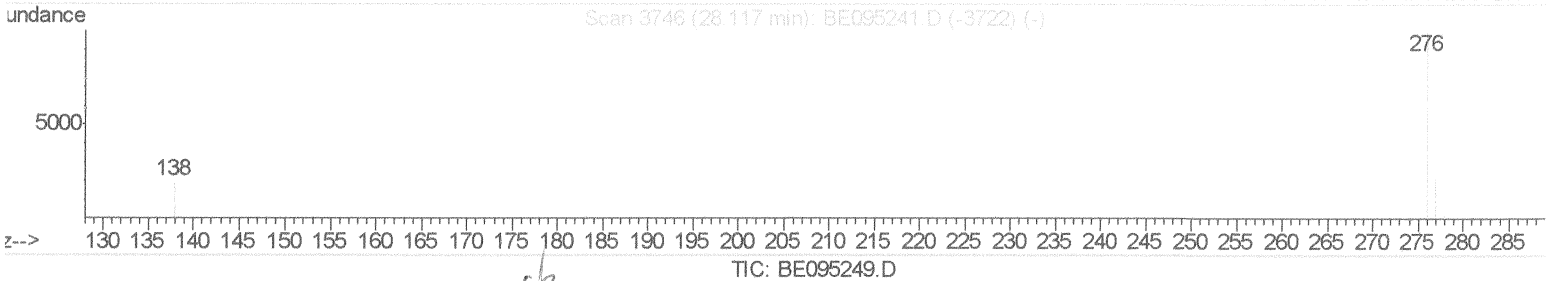
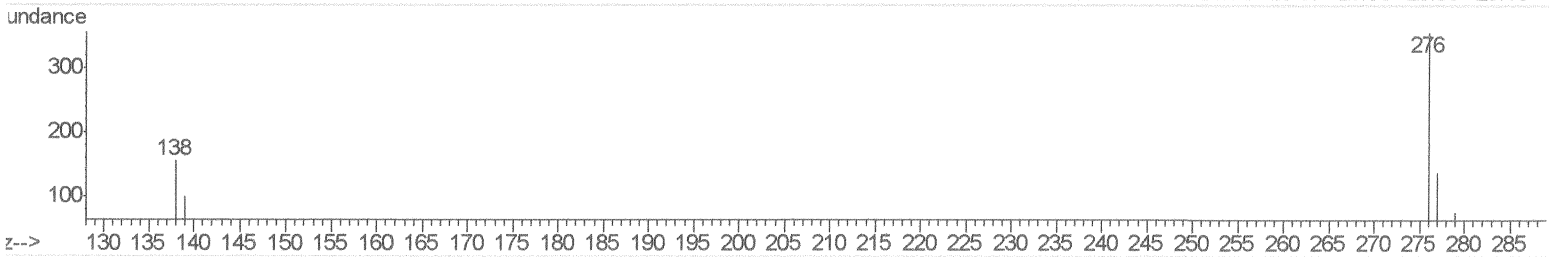
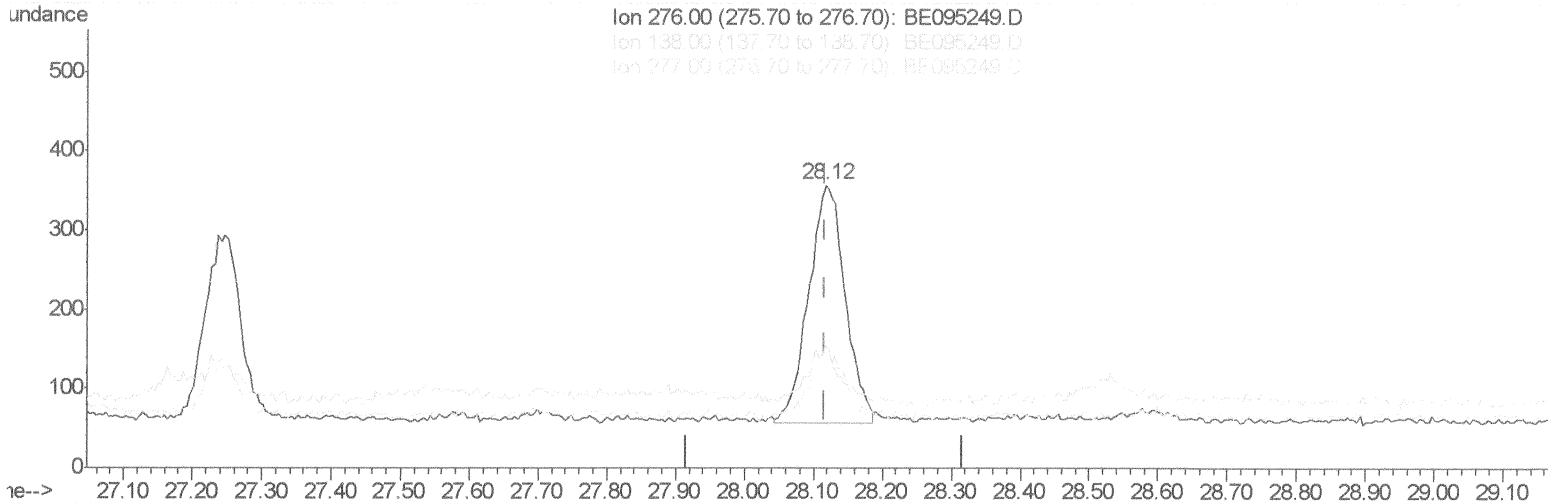
#96 Client Sampled :  
 F6B14

Instrument :  
 BNA\_E

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012918\  
Data File : BE095249.D  
Acq On : 29 Jan 2018 16:32  
Operator : SJ/JU  
Sample : J1233-10  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 30 05:20:32 2018  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jan 30 04:43:36 2018  
Response via : Initial Calibration



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

28.117min (-0.000) 0.04ng/ul m

1/30/2018 3:38:05 PM

Sohil

Manual Integrations  
APPROVED

#42 45.42#

#99 F6B14

Client Sampled :

Instrument :  
BNA\_E

## Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012918\  
Data File : BE095249.D  
Acq On : 29 Jan 2018 16:32  
Operator : SJ/JU  
Sample : J1233-10  
Disc :  
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 30 05:22:12 2018  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
Last Update : Tue Jan 30 04:43:36 2018  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.44  | 152  | 2548     | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 11.26 | 136  | 7814     | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 15.02 | 164  | 5136     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.71 | 188  | 10825m   | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 21.80 | 240  | 10679    | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 24.44 | 264  | 9521m    | 0.40 | ng/ul | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 12.81 | 152  | 4660     | 0.37 | ng/ul | 0.00     |
| 14) Fluoranthene-d10        | 19.70 | 212  | 12747    | 0.31 | ng/ul | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 11) Pentachlorophenol      | 17.36 | 266  | 3329     | 1.588 | ng/ul  | 97     |
| 12) Phenanthrene           | 17.75 | 178  | 1760     | 0.048 | ng/ul# | 92     |
| 13) Anthracene             | 17.85 | 178  | 911      | 0.027 | ng/ul# | 80     |
| 15) Fluoranthene           | 19.72 | 202  | 2794     | 0.059 | ng/ul  | 84     |
| 17) Pyrene                 | 20.08 | 202  | 3025m    | 0.084 | ng/ul  | 79     |
| 18) Benzo(a)anthracene     | 21.79 | 228  | 1019     | 0.031 | ng/ul# | 79     |
| 19) Chrysene               | 21.84 | 228  | 1170     | 0.034 | ng/ul# | 73     |
| 21) Benzo(b)fluoranthene   | 23.62 | 252  | 2396m    | 0.071 | ng/ul  | }      |
| 22) Benzo(k)fluoranthene   | 23.65 | 252  | 975m     | 0.032 | ng/ul  |        |
| 23) Benzo(a)pyrene         | 24.32 | 252  | 820m     | 0.027 | ng/ul  |        |
| 24) Indeno(1,2,3-cd)pyrene | 27.24 | 276  | 825m     | 0.025 | ng/ul  |        |
| 26) Benzo(a,h,i)perylene   | 28.12 | 276  | 1114m    | 0.040 | ng/ul  |        |

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

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Sohil

Manual Integrations  
APPROVED

Instrument : BNA\_E  
Client Sampled : F6B14