

Quantitation Report (QT Reviewed)

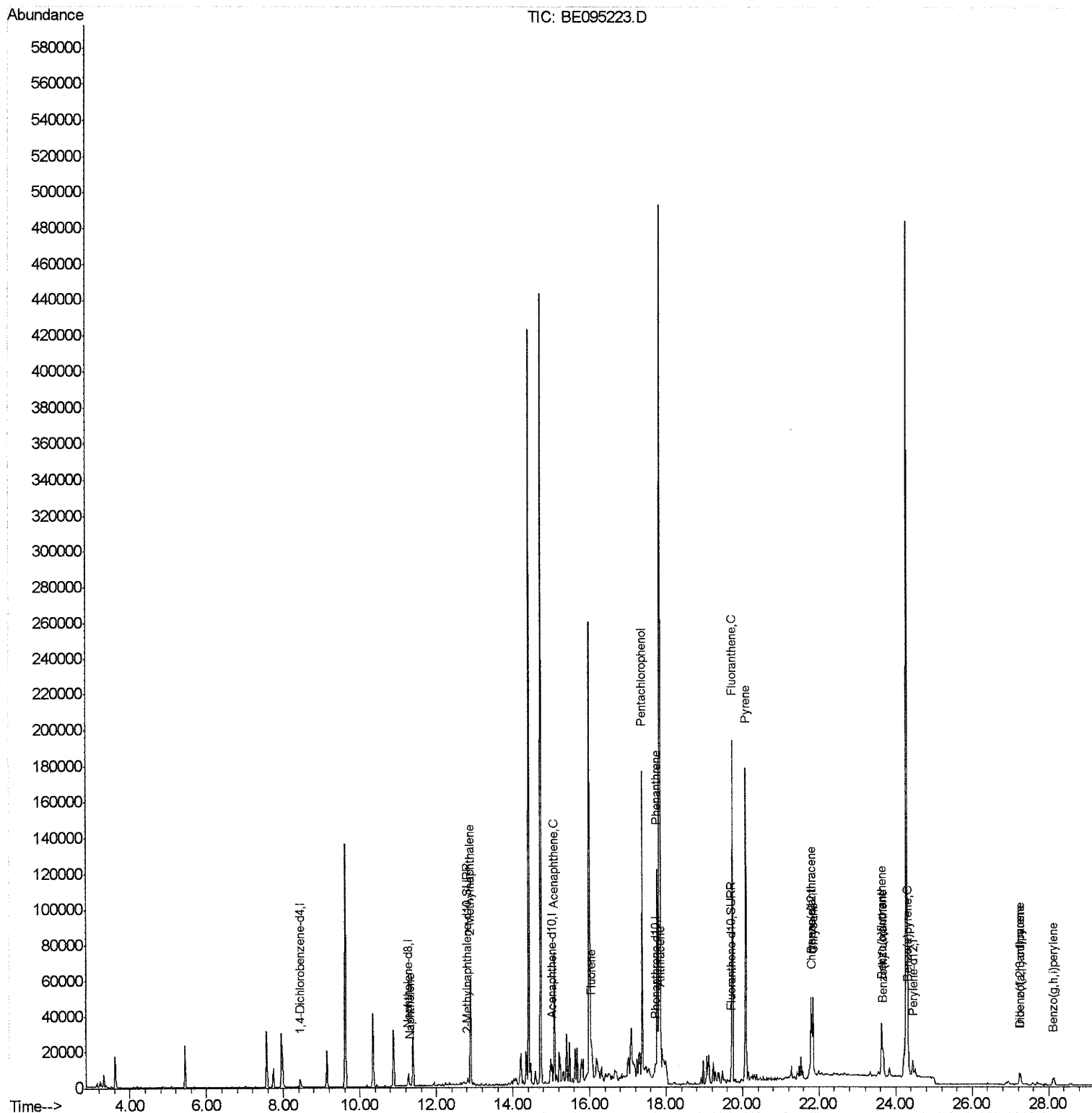
Data Path : Z:\HPCHEM1\BNA E\Data\BE012818\
 Data File : BE095223.D
 Acq On : 29 Jan 2018 00:52
 Operator : SJ/JU
 Sample : J1223-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 F6A68

Manual Integrations
 APPROVED

Sohil
 1/29/2018 6:26:01 PM

Quant Time: Jan 31 07:59:35 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 08:11:22 2018
 Response via : Initial Calibration



Quantitation Report (Qedit)

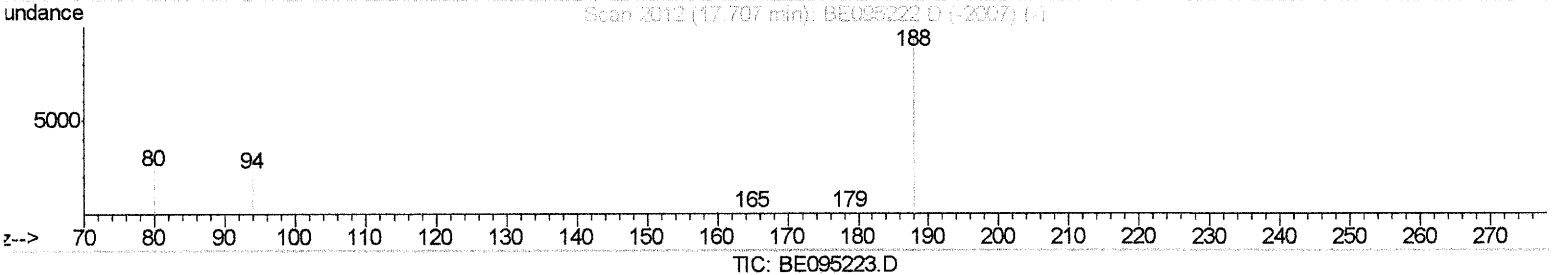
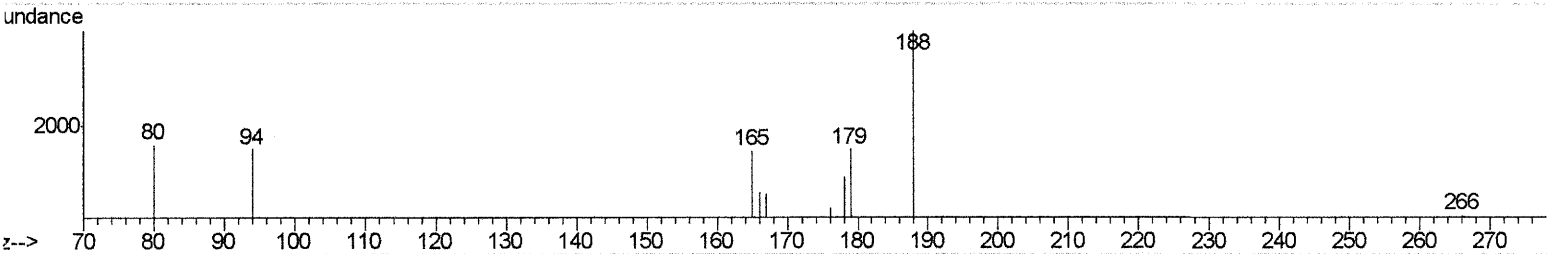
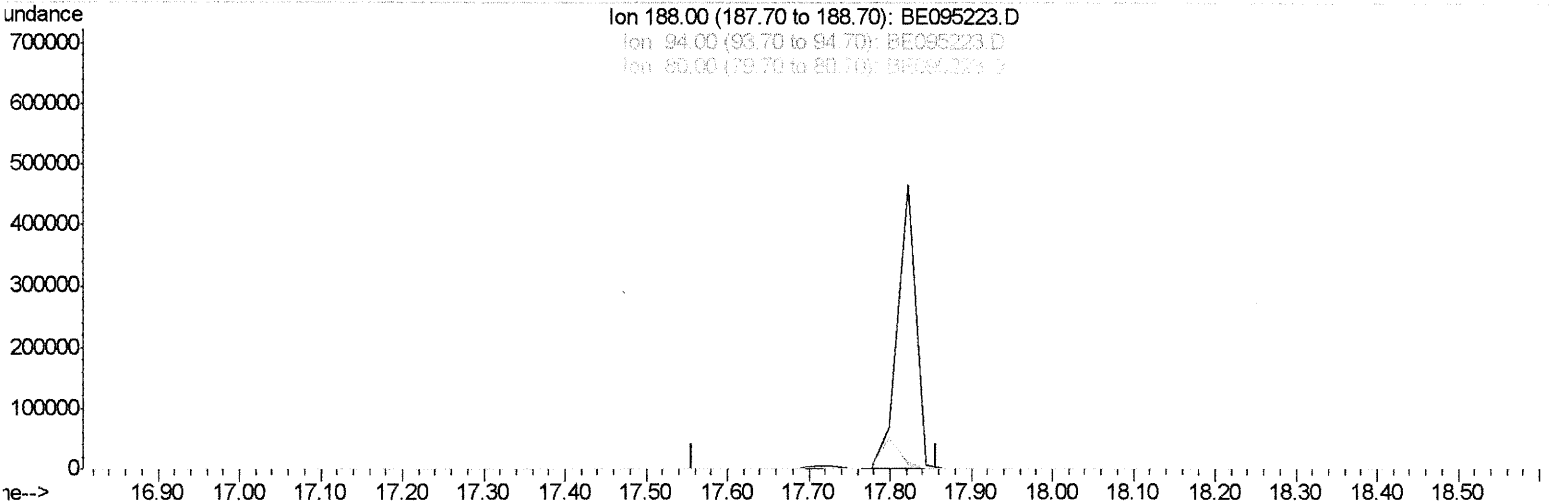
Data Path : Z:\HPCHEM1\BNA E\DATA\BE012818\
 Data File : BE095223.D
 Acq On : 29 Jan 2018 00:52
 Operator : SJ/JU
 Sample : J1223-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 F6A68

Manual Integrations
 APPROVED

Sohil
 1/29/2018 6:26:01 PM

Quant Time: Jan 29 08:13:18 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 08:11:22 2018
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.707min (-17.707) 0.00ng/ul

response 0

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

Quantitation Report (Qedit)

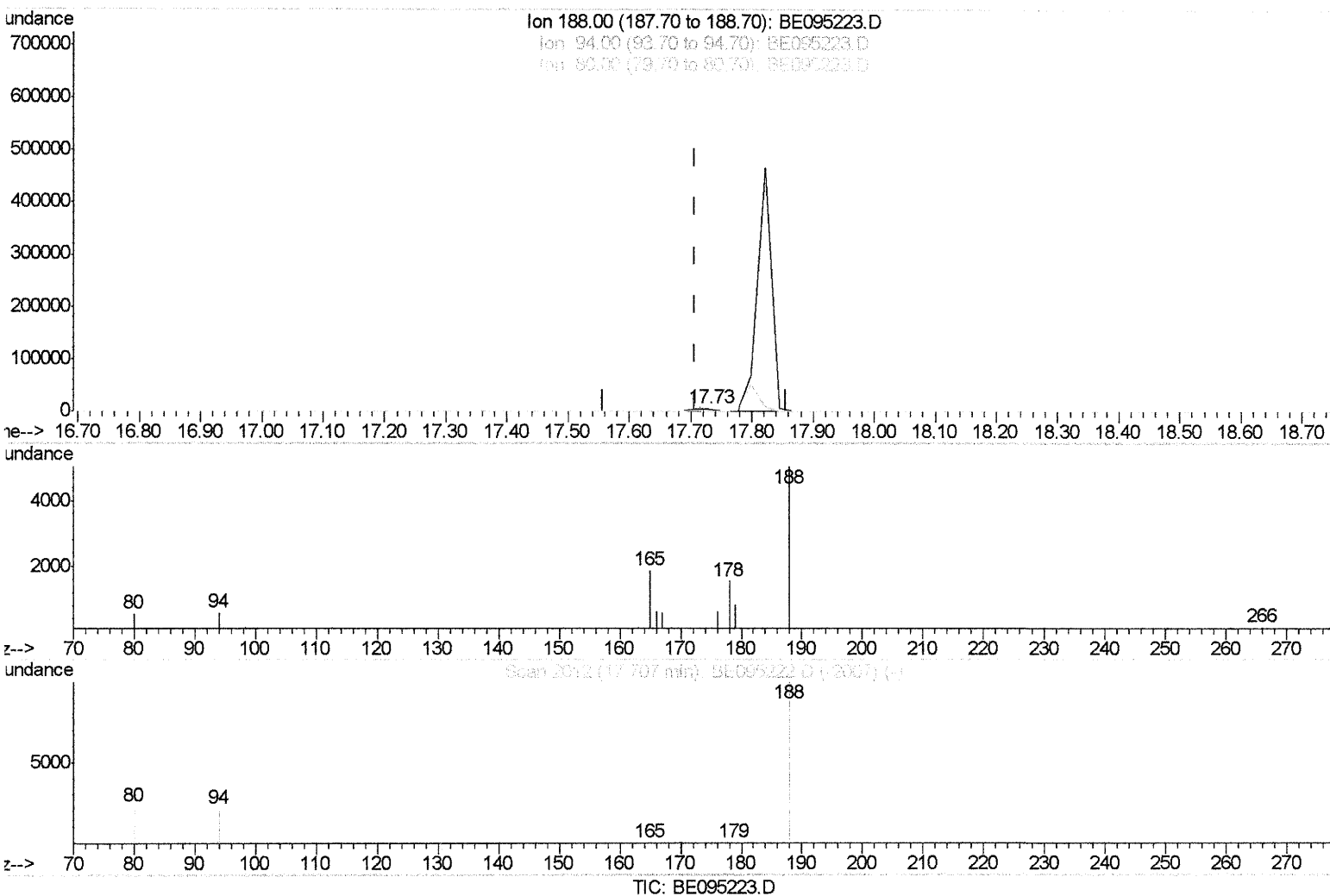
Data Path : Z:\HPCHEM1\BNA E\DATA\BE012818\
Data File : BE095223.D
Acq On : 29 Jan 2018 00:52
Operator : SJ/JU
Sample : J1223-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
F6A68

Manual Integrations
APPROVED

Sohil
1/29/2018 6:26:01 PM

Quant Time: Jan 29 08:13:18 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 29 08:11:22 2018
Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.729min (+0.022) 0.40ng/ul m

response 12672

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	11.71
80.00	11.80	10.91
0.00	0.00	0.00

551/31/18

Quantitation Report (Qedit)

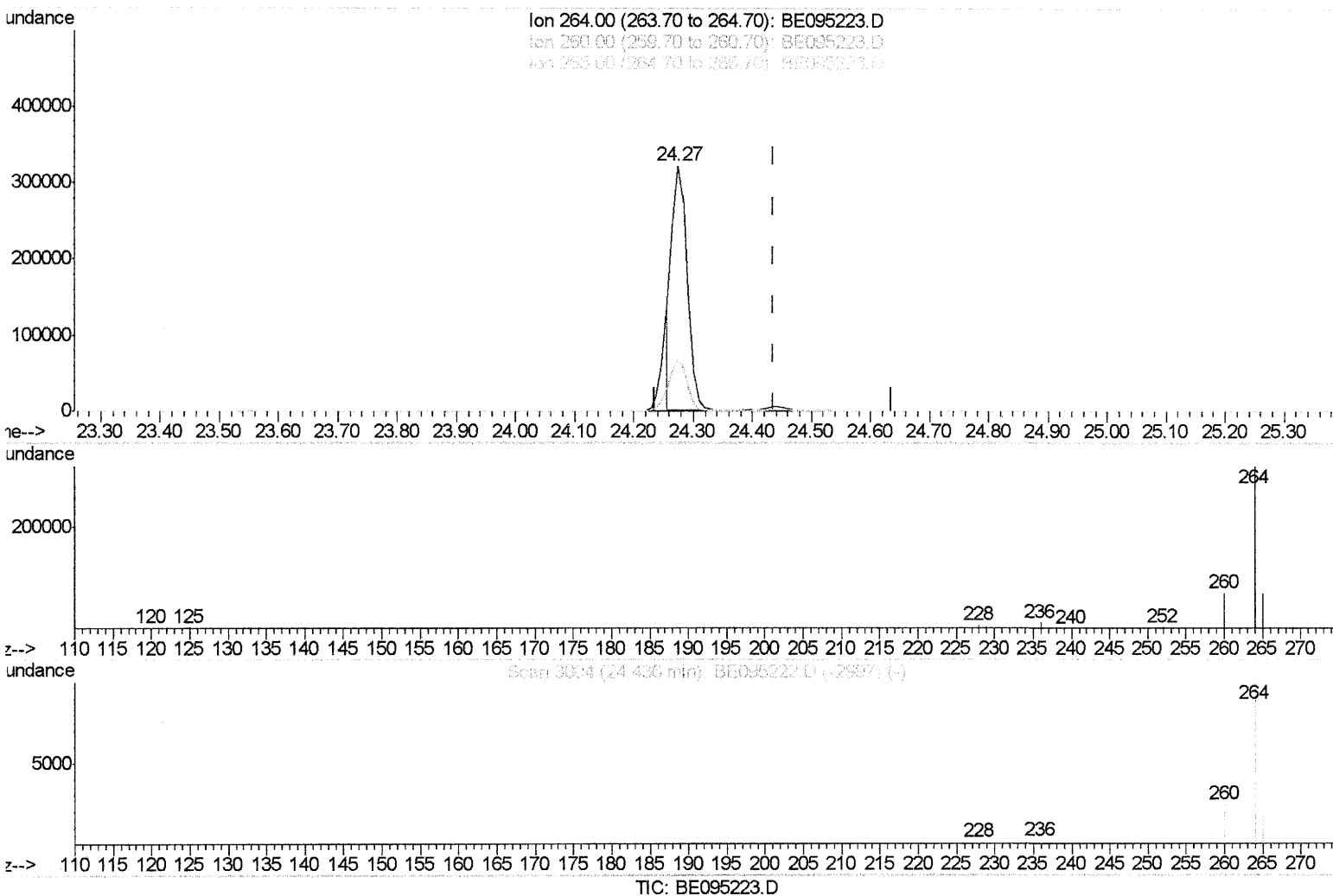
Data Path : Z:\HPCHEM1\BNA E\DATA\BE012818\
Data File : BE095223.D
Acq On : 29 Jan 2018 00:52
Operator : SJ/JU
Sample : J1223-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6A68

Manual Integrations
APPROVED

Sohil
1/29/2018 6:26:01 PM

Quant Time: Jan 29 08:15:55 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 29 08:11:22 2018
Response via : Initial Calibration



(20) Perylene-d12 (I)

24.274min (-0.163) 0.40ng/ul

response 574610

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.40#
265.00	103.50	21.36#
0.00	0.00	0.00

Quantitation Report (Qedit)

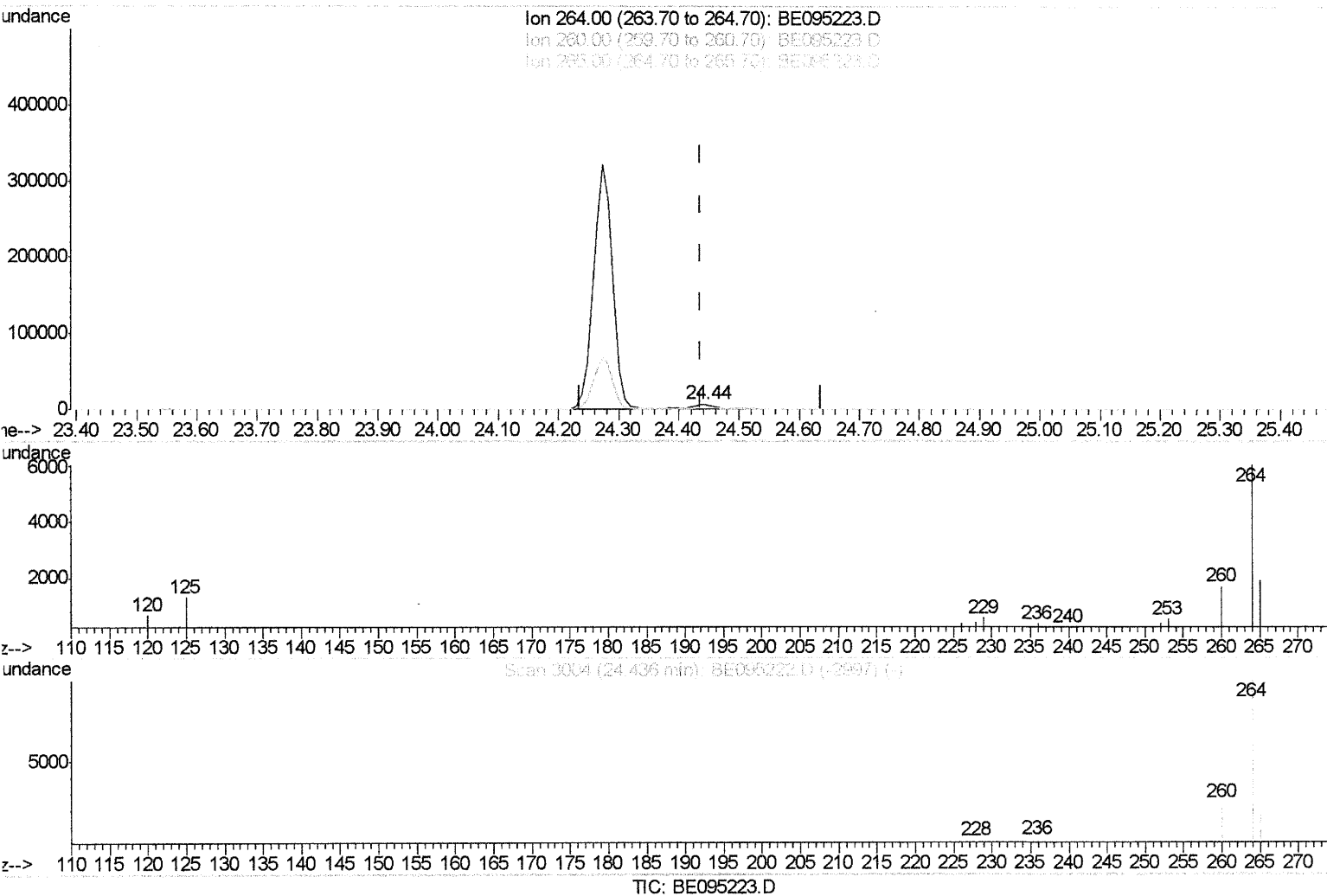
Data Path : Z:\HPCHEM1\BNA E\DATA\BE012818\
 Data File : BE095223.D
 Acq On : 29 Jan 2018 00:52
 Operator : SJ/JU
 Sample : J1223-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 F6A68

Manual Integrations
 APPROVED

Sohil
 1/29/2018 6:26:01 PM

Quant Time: Jan 29 08:15:55 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 08:11:22 2018
 Response via : Initial Calibration



(20) Perylene-d12 (I)

24.445min (+0.009) 0.40ng/ul m

501/31/18

response 11930

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	27.84
265.00	103.50	31.65#
0.00	0.00	0.00

Quantitation Report (Qedit)

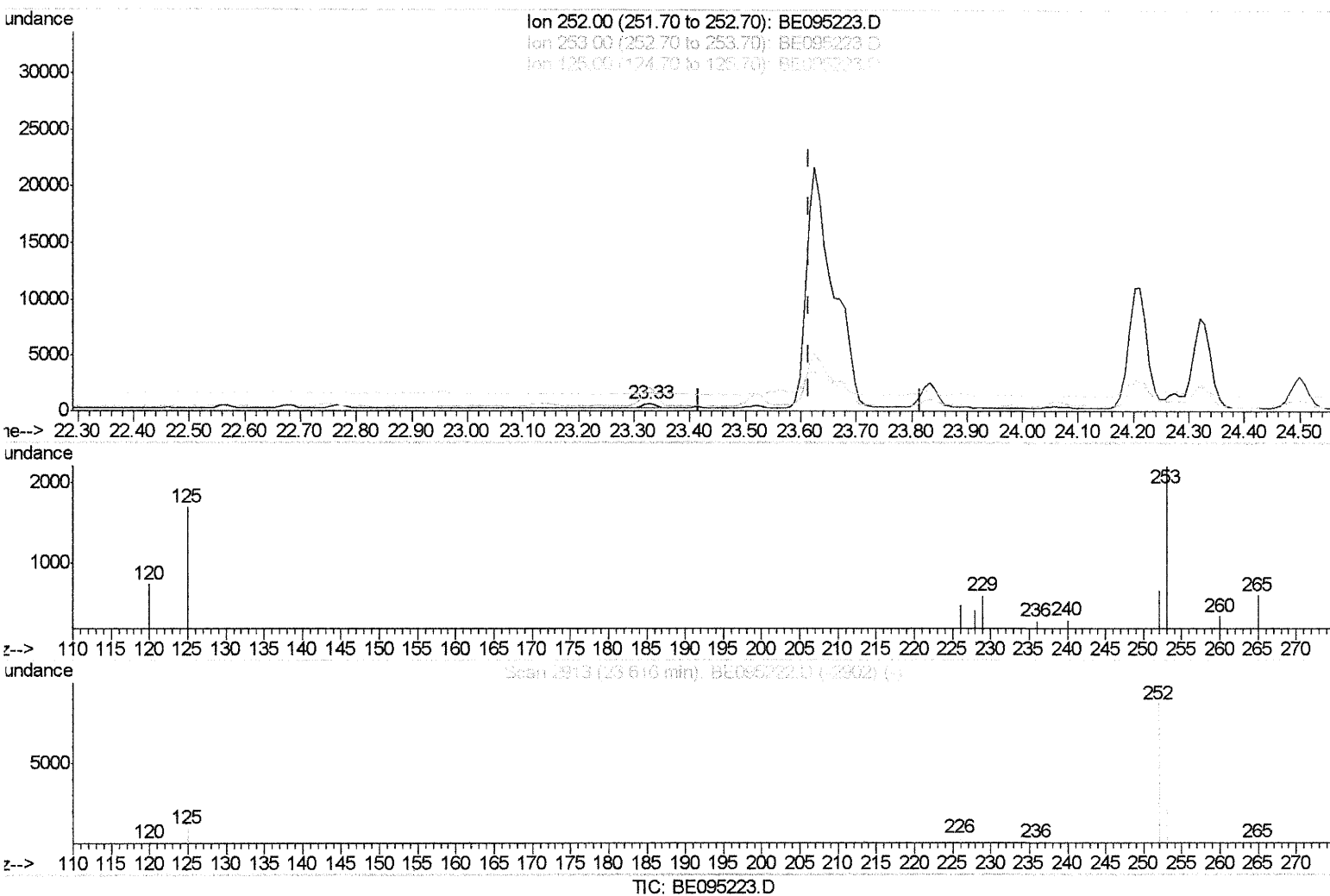
Instrument :
BNA_E
ClientSampled :
F6A68

Manual Integrations
APPROVED

Sohil
1/29/2018 6:26:01 PM

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012818\
Data File : BE095223.D
Acq On : 29 Jan 2018 00:52
Operator : SJ/JU
Sample : J1223-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jan 29 08:16:38 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 29 08:11:22 2018
Response via : Initial Calibration



(21) Benzo(b)fluoranthene

23.327min (-0.289) 0.01ng/ul

response 631

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	333.99#
125.00	17.50	255.54#
0.00	0.00	0.00

Quantitation Report (Qedit)

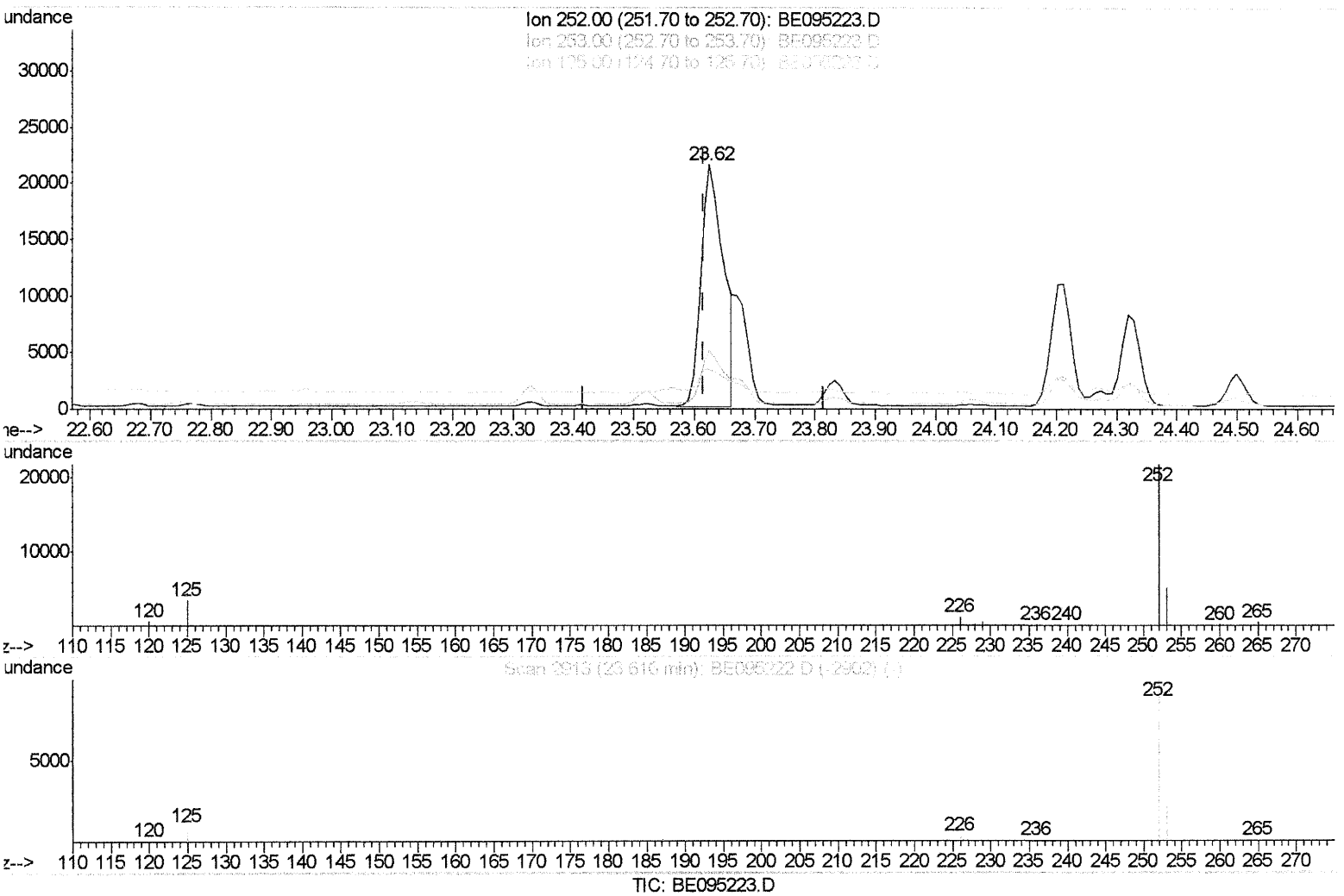
Data Path : Z:\HPCHEM1\BNA E\DATA\BE012818\
 Data File : BE095223.D
 Acq On : 29 Jan 2018 00:52
 Operator : SJ/JU
 Sample : J1223-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 F6A68

Manual Integrations
 APPROVED

Sohil
 1/29/2018 6:26:01 PM

Quant Time: Jan 29 08:16:38 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 08:11:22 2018
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

23.625min (+0.009) 1.37ng/ul m

50 1/31/18

response 57642

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.99
125.00	17.50	16.30
0.00	0.00	0.00

Quantitation Report (Qedit)

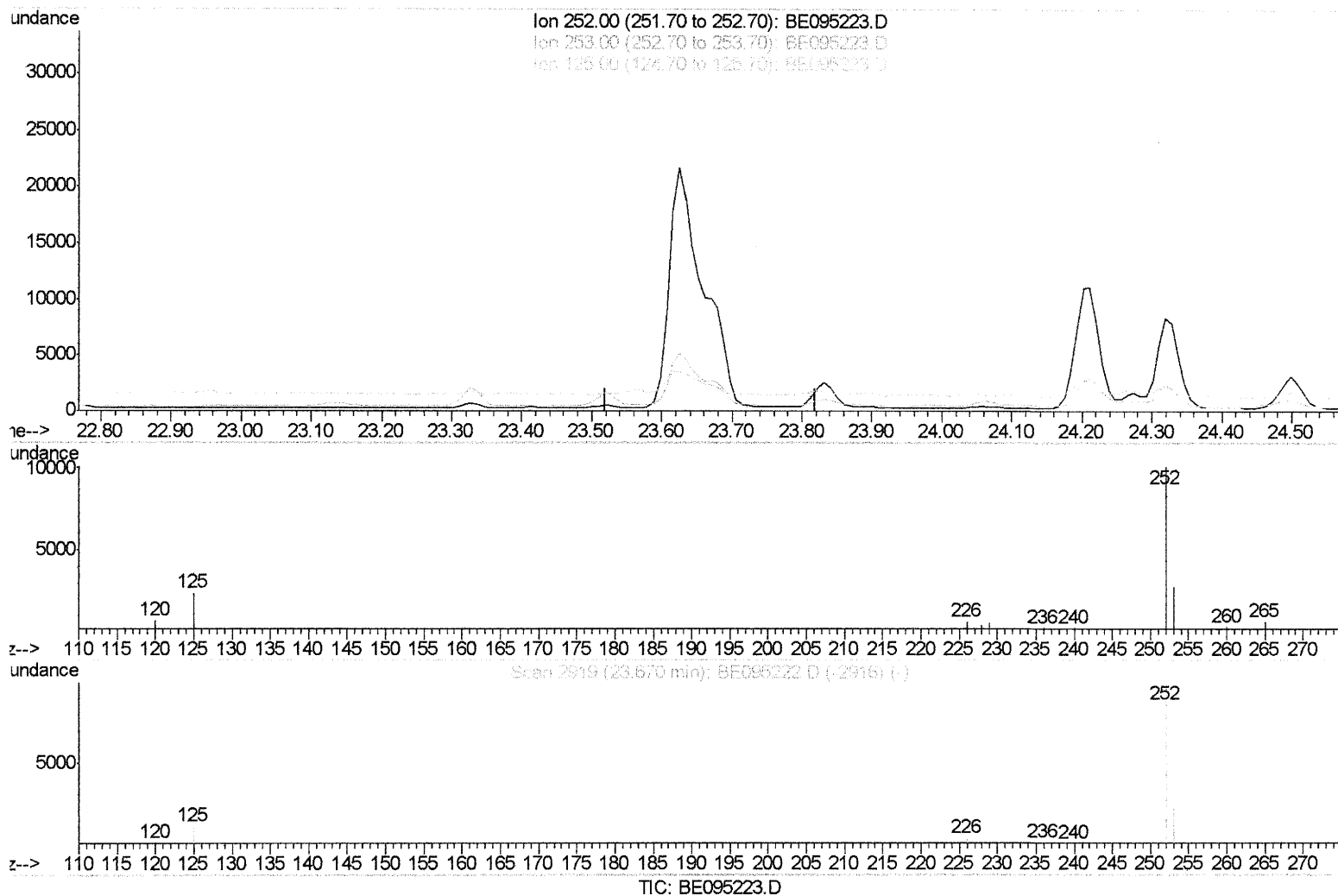
Data Path : Z:\HPCHEM1\BNA E\DATA\BE012818\
 Data File : BE095223.D
 Acq On : 29 Jan 2018 00:52
 Operator : SJ/JU
 Sample : J1223-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F6A68

Manual Integrations
 APPROVED

Sohil
 1/29/2018 6:26:01 PM

Quant Time: Jan 29 08:16:38 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 08:11:22 2018
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

23.670min (-23.670) 0.00ng/ul

response 0

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

Quantitation Report (Qedit)

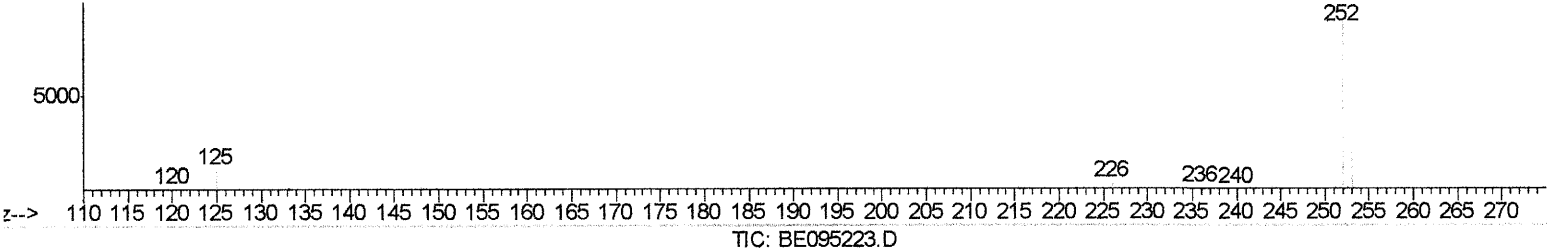
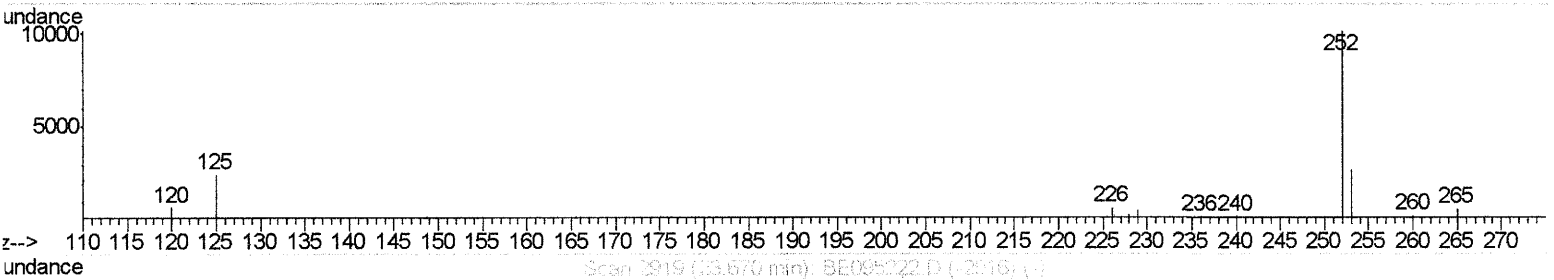
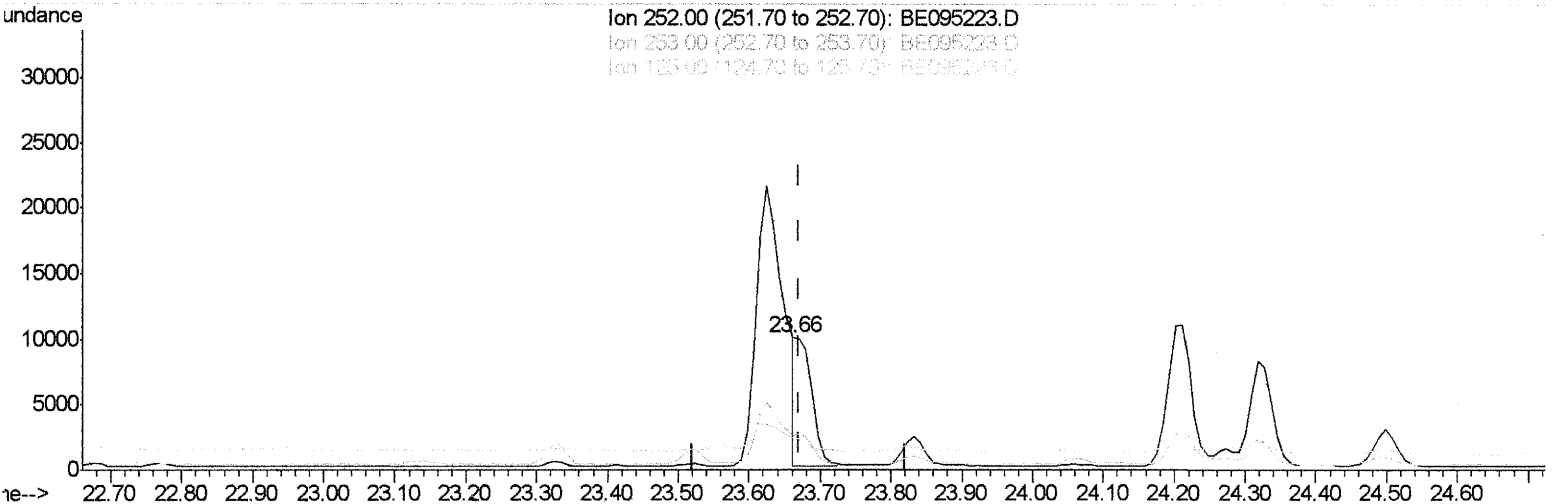
Data Path : Z:\HPCHEM1\BNA E\DATA\BE012818\
 Data File : BE095223.D
 Acq On : 29 Jan 2018 00:52
 Operator : SJ/JU
 Sample : J1223-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F6A68

Manual Integrations
 APPROVED

Sohil
 1/29/2018 6:26:01 PM

Quant Time: Jan 29 08:16:38 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 08:11:22 2018
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

23.661min (-0.009) 0.39ng/ul m

SO 1/31/18

response 15134

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	26.78
125.00	17.10	24.34#
0.00	0.00	0.00

Quantitation Report (Qedit)

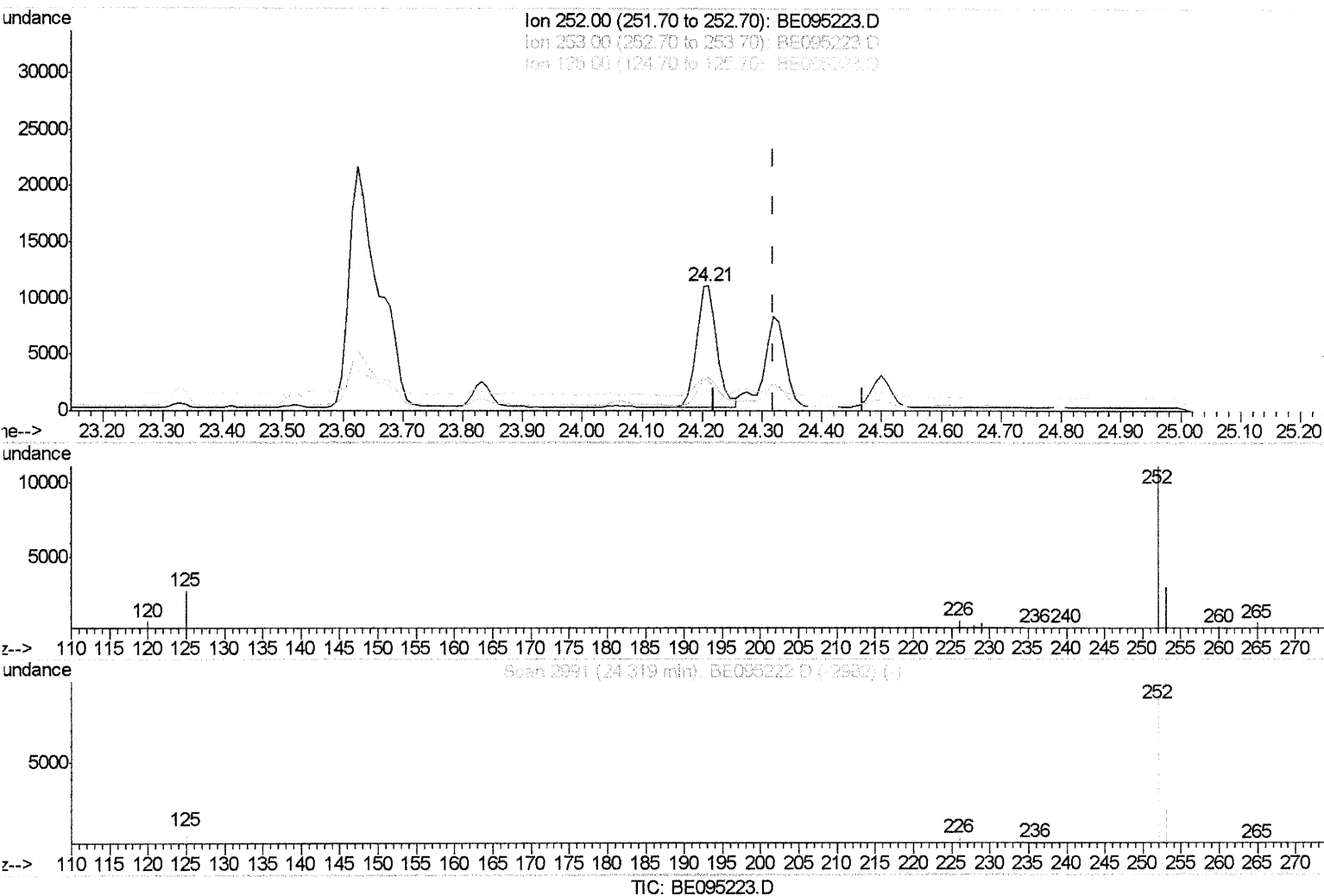
Data Path : Z:\HPCHEM1\BNA E\DATA\BE012818\
 Data File : BE095223.D
 Acq On : 29 Jan 2018 00:52
 Operator : SJ/JU
 Sample : J1223-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F6A68

Manual Integrations
 APPROVED

Sohil
 1/29/2018 6:26:01 PM

Quant Time: Jan 29 08:16:38 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 08:11:22 2018
 Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

24.211min (-0.108) 0.69ng/ul

response 26023

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	26.77#
125.00	22.60	24.24
0.00	0.00	0.00

Quantitation Report (Qedit)

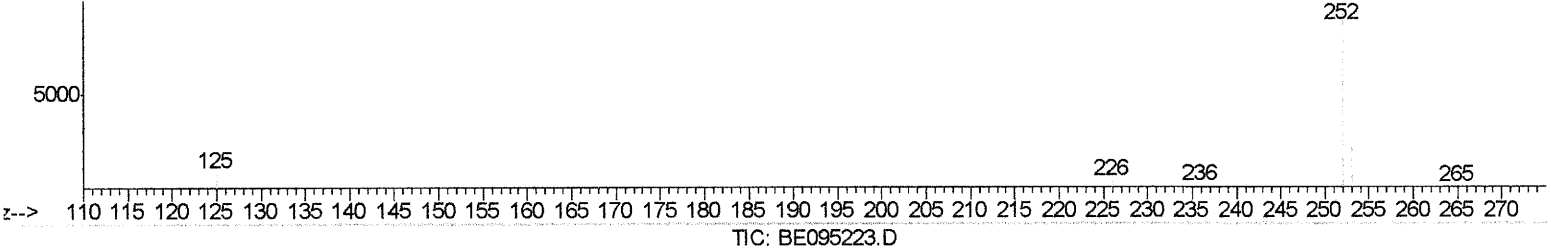
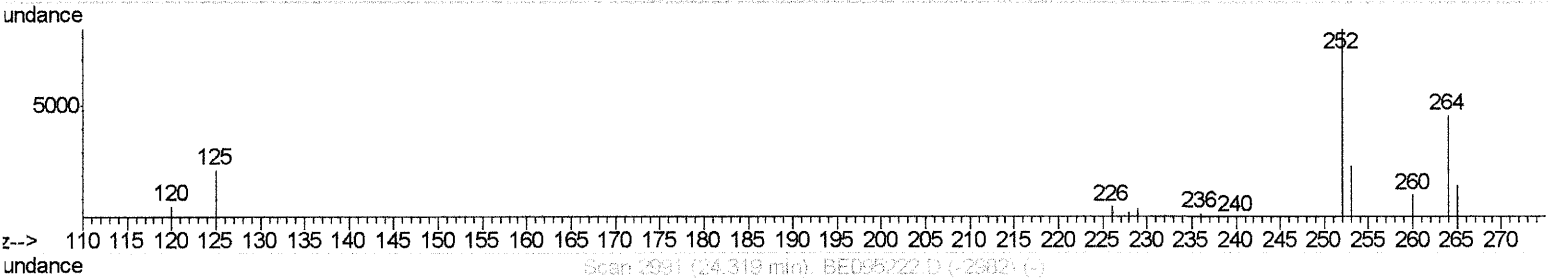
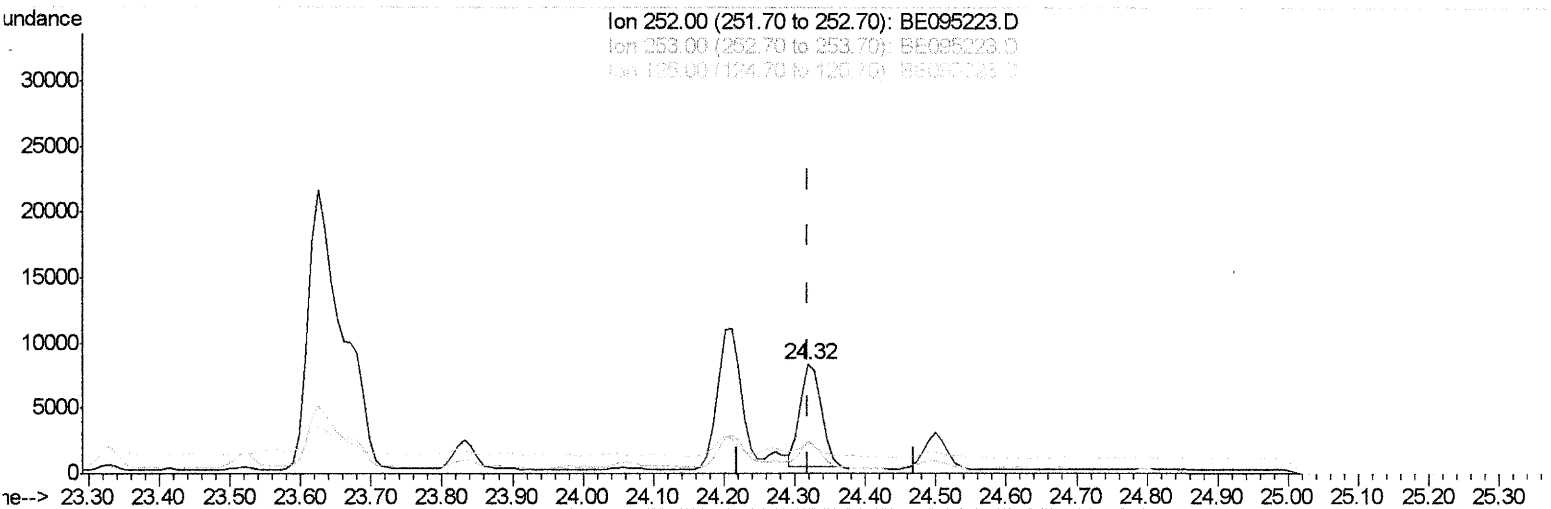
Data Path : Z:\HPCHEM1\BNA E\DATA\BE012818\
 Data File : BE095223.D
 Acq On : 29 Jan 2018 00:52
 Operator : SJ/JU
 Sample : J1223-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F6A68

Manual Integrations
 APPROVED

Sohil
 1/29/2018 6:26:01 PM

Quant Time: Jan 29 08:16:38 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 08:11:22 2018
 Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

24.319min (-0.000) 0.43ng/ul m

31/31/18

response 16295

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	29.06
125.00	22.60	26.85
0.00	0.00	0.00

Quantitation Report (Qedit)

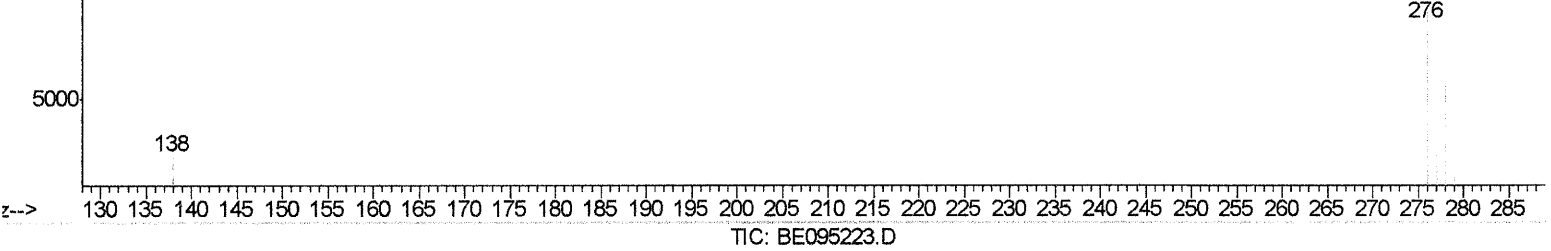
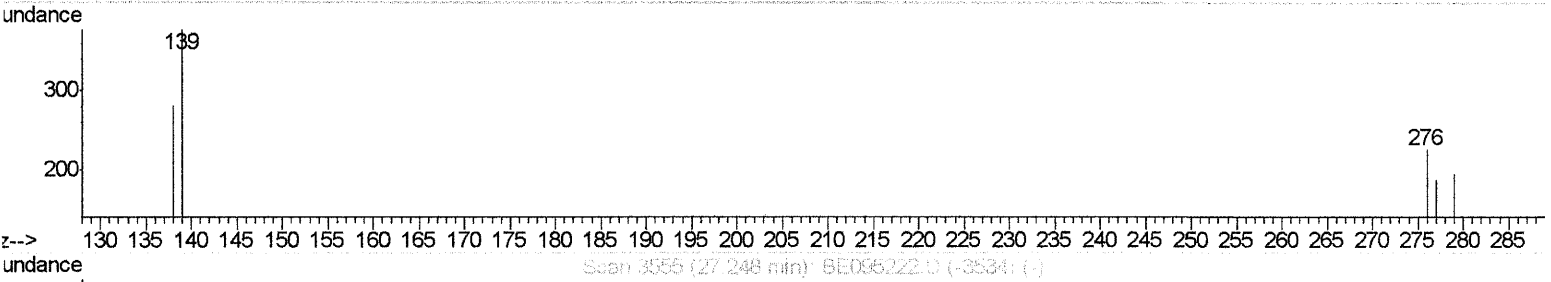
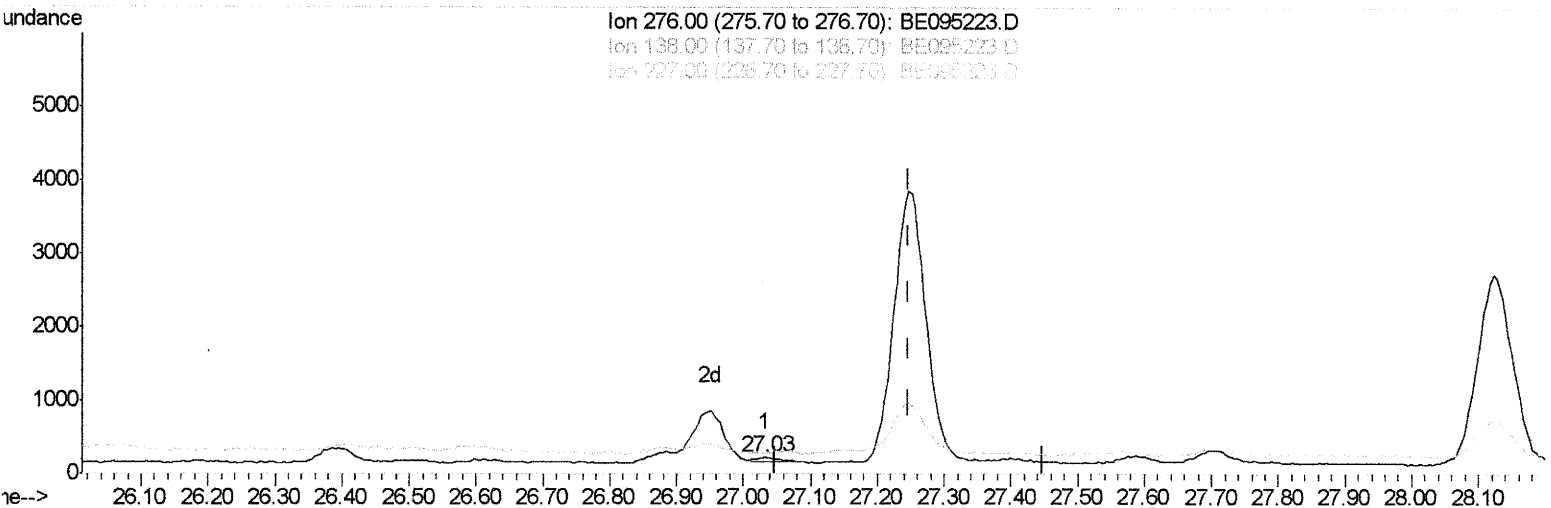
Data Path : Z:\HPCHEM1\BNA E\DATA\BE012818\
 Data File : BE095223.D
 Acq On : 29 Jan 2018 00:52
 Operator : SJ/JU
 Sample : J1223-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F6A68

Manual Integrations
 APPROVED

Sohil
 1/29/2018 6:26:01 PM

Quant Time: Jan 29 08:16:38 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 08:11:22 2018
 Response via : Initial Calibration



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

27.033min (-0.215) 0.00ng/ul

response 168

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	22.02#
227.00	10.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

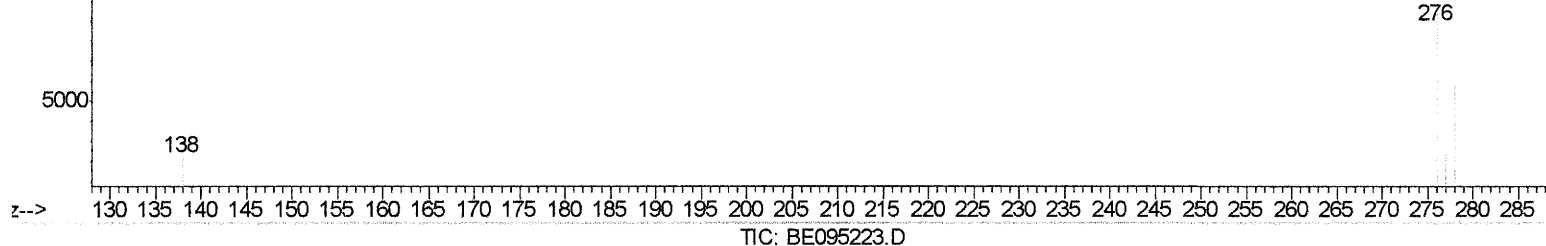
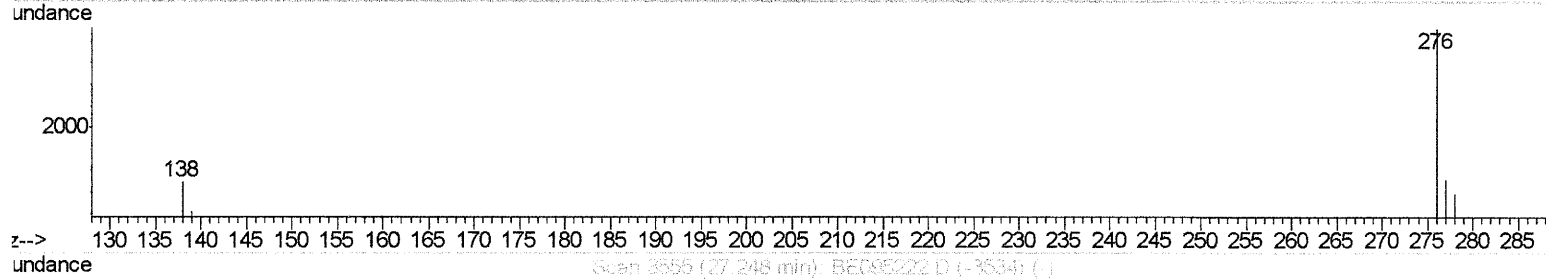
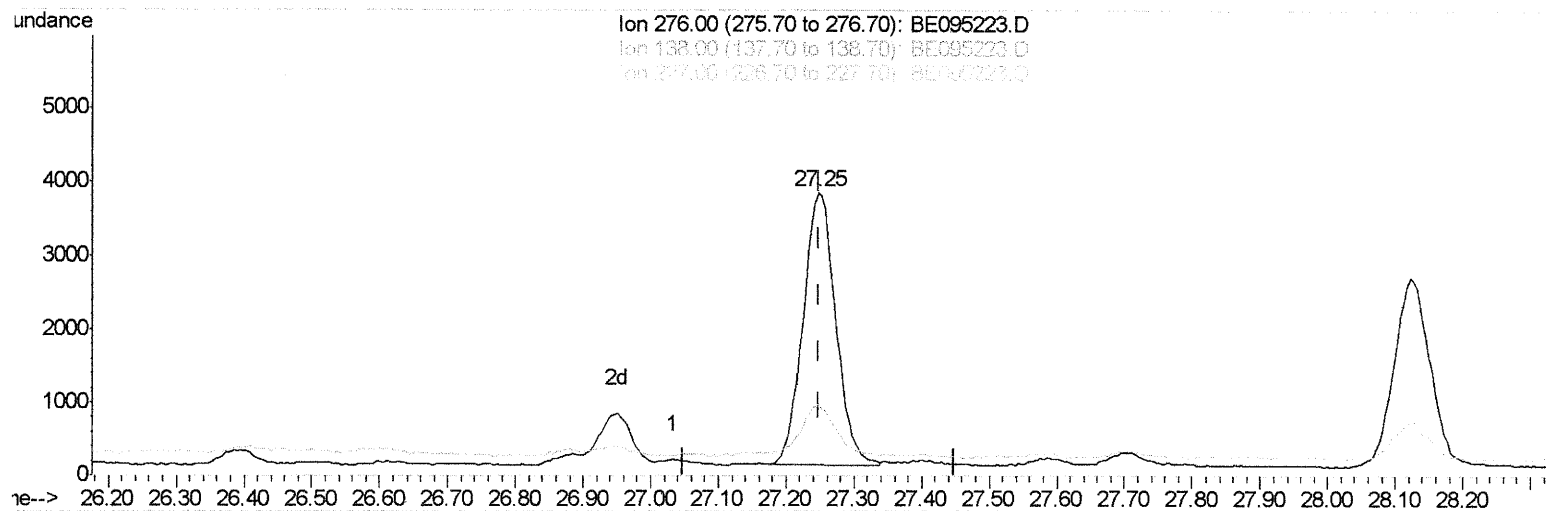
Instrument :
BNA_E
ClientSampled :
F6A68

Manual Integrations
APPROVED

Sohil
1/29/2018 6:26:01 PM

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012818\
Data File : BE095223.D
Acq On : 29 Jan 2018 00:52
Operator : SJ/JU
Sample : J1223-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jan 29 08:16:38 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 29 08:11:22 2018
Response via : Initial Calibration



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

27.247min (-0.001) 0.30ng/ul m

SJ 1/31/18

response 12379

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	0.30#
227.00	10.00	0.00#
0.00	0.00	0.00

Instrument :

BNA E

ClientSampleId :

F6A68

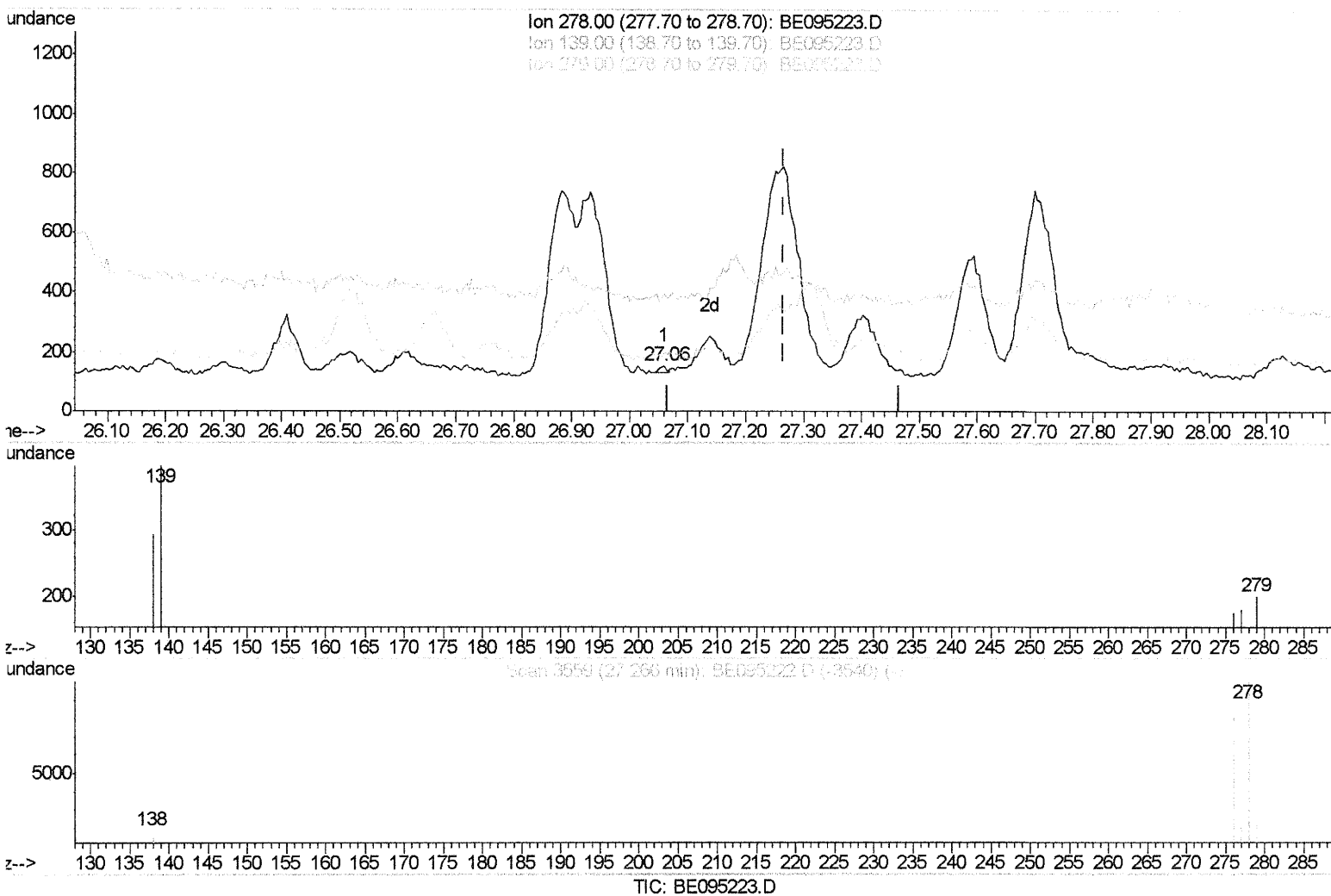
Manual Integrations
APPROVED

Sohil

1/29/2018 6:26:01 PM

```
Data Path : Z:\HPCHEM1\BNA E\DATA\BE012818\
Data File : BE095223.D
Acq On    : 29 Jan 2018   00:52
Operator  : SJ/JU
Sample    : J1223-02
Misc      :
ALS Vial   : 20      Sample Multiplier: 1
```

Quant Time: Jan 29 08:16:38 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 29 08:11:22 2018
Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

27.060min (-0.206) 0.00ng/ul

response 23

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	256.49#
279.00	32.40	130.52#
0.00	0.00	0.00

Quantitation Report (Qedit)

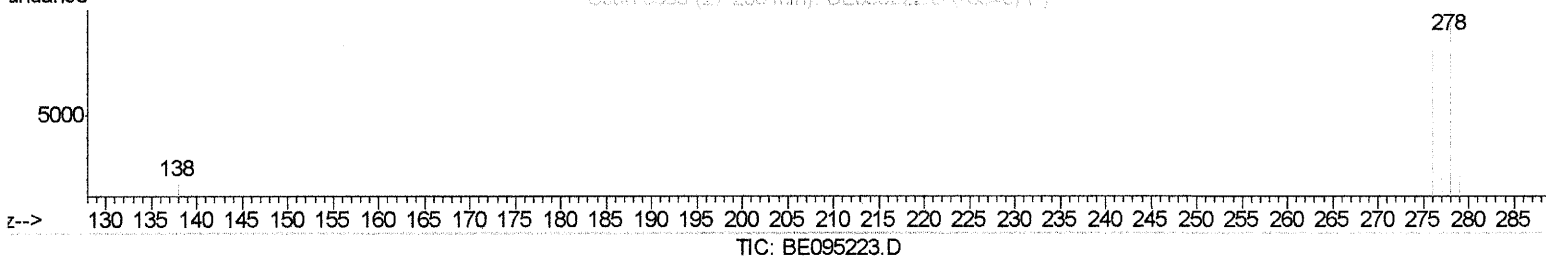
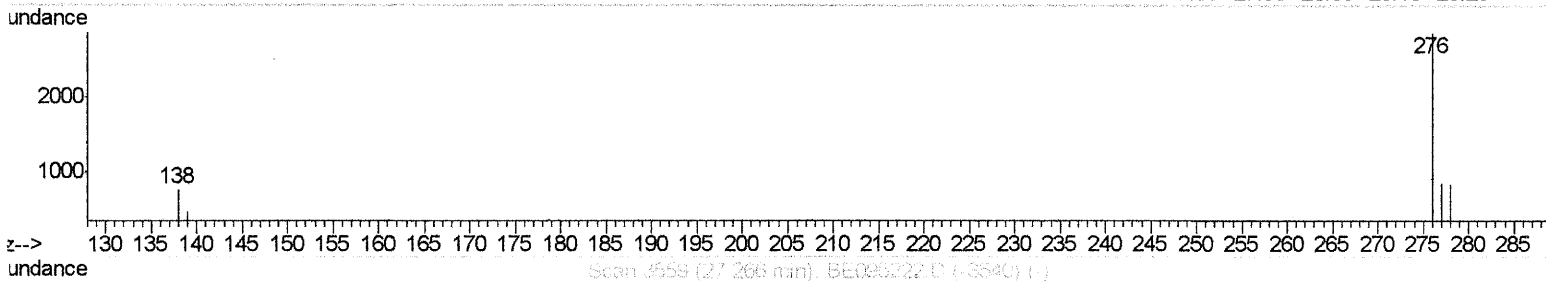
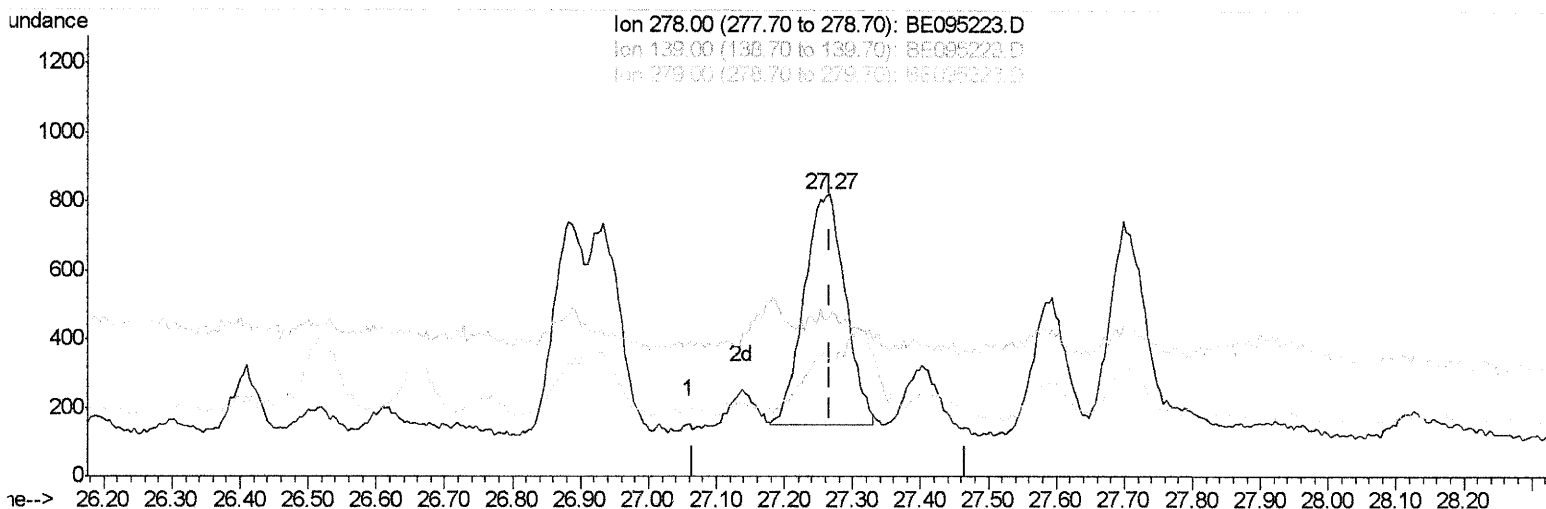
Data Path : Z:\HPCHEM1\BNA E\DATA\BE012818\
Data File : BE095223.D
Acq On : 29 Jan 2018 00:52
Operator : SJ/JU
Sample : J1223-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6A68

Manual Integrations
APPROVED

Sohil
1/29/2018 6:26:01 PM

Quant Time: Jan 29 08:16:38 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 29 08:11:22 2018
Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

27.265min (-0.001) 0.08ng/ul m

GA1/31/18

response 2863

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	56.87#
279.00	32.40	42.04#
0.00	0.00	0.00

Quantitation Report (Qedit)

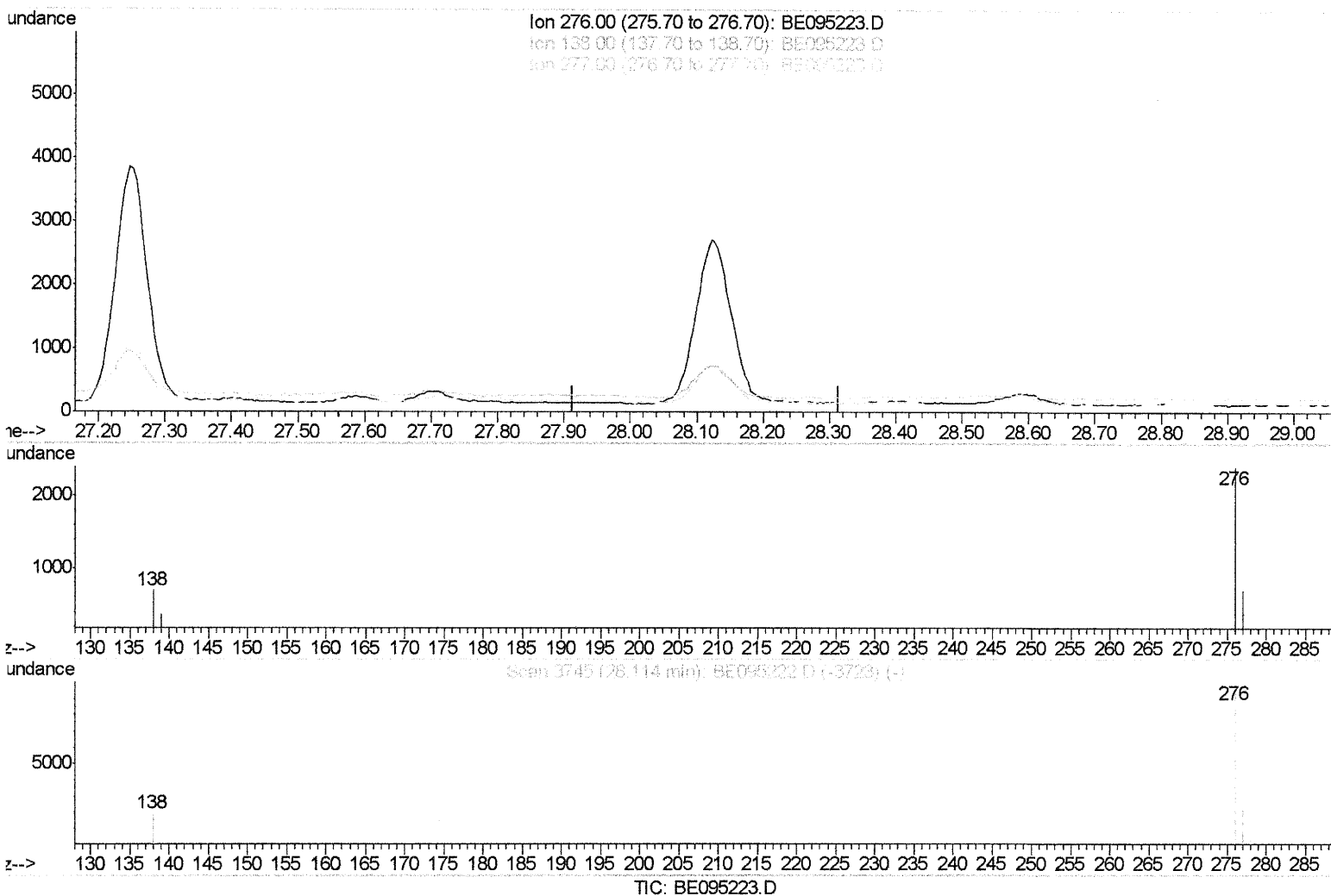
Data Path : Z:\HPCHEM1\BNA E\DATA\BE012818\
 Data File : BE095223.D
 Acq On : 29 Jan 2018 00:52
 Operator : SJ/JU
 Sample : J1223-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F6A68

Manual Integrations
 APPROVED

Sohil
 1/29/2018 6:26:01 PM

Quant Time: Jan 29 08:16:38 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 08:11:22 2018
 Response via : Initial Calibration



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

28.114min (-28.114) 0.00ng/ul

response 0

Ion	Exp%	Act%
276.00	100	0.00
138.00	27.30	0.00#
277.00	25.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

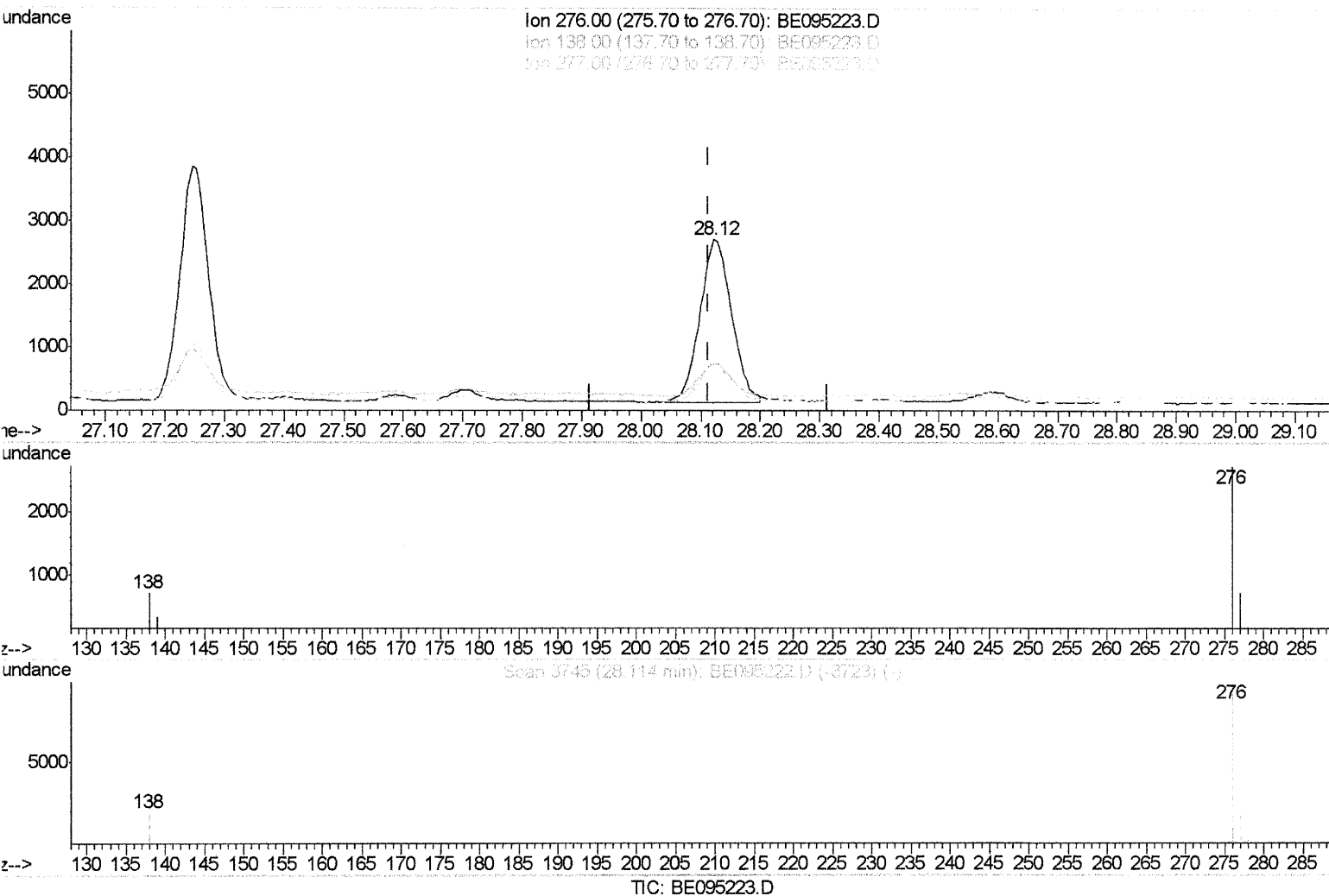
Data Path : Z:\HPCHEM1\BNA E\DATA\BE012818\
 Data File : BE095223.D
 Acq On : 29 Jan 2018 00:52
 Operator : SJ/JU
 Sample : J1223-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F6A68

Manual Integrations
 APPROVED

Sohil
 1/29/2018 6:26:01 PM

Quant Time: Jan 29 08:16:38 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 08:11:22 2018
 Response via : Initial Calibration



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

28.122min (+0.008) 0.28ng/ul m

response 9693

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	26.88
277.00	25.60	27.10
0.00	0.00	0.00

951/31/18

Quantitation Report (QT Reviewed)

Instrument :
BNA_E
Client Sampled :
F6A68

Manual Integrations
APPROVED

Sohil
1/29/2018 6:26:01 PM

Data Path : Z:\HPCHEM1\BNA E\Data\BE012818\
Data File : BE095223.D
Acq On : 29 Jan 2018 00:52
Operator : SJ/JU
Sample : J1223-02
Disc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jan 31 07:59:35 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Jan 29 08:11:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	Q Ion	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.44	152	2874	0.40	ng/ul	0.00
2) Naphthalene-d8	11.27	136	9423	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.02	164	6654	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.73	188	12672m	0.40	ng/ul	0.02
16) Chrysene-d12	21.80	240	12875	0.40	ng/ul	0.00
20) Perylene-d12	24.44	264	11930m	0.40	ng/ul	0.00

SJ/31/18
SJ/31/18

System Monitoring Compounds	R.T.	Q Ion	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.82	152	3855	0.25	ng/ul	0.00
14) Fluoranthene-d10	19.70	212	11144	0.23	ng/ul	0.00

Target Compounds	R.T.	Q Ion	Response	Conc	Units	Ovalue
3) Naphthalene	11.31	128	1111	0.042	ng/ul#	57
5) 2-Methylnaphthalene	12.89	142	46607	2.645	ng/ul	100
8) Acenaphthene	15.08	153	43712	1.760	ng/ul	94
9) Fluorene	16.02	166	25289	0.987	ng/ul#	65
11) Pentachlorophenol	17.36	266	94207	38.383	ng/ul	96
12) Phenanthrene	17.75	178	143992	3.379	ng/ul#	86
13) Anthracene	17.84	178	18321	0.470	ng/ul	93
15) Fluoranthene	19.73	202	212067	3.843	ng/ul	82
17) Pyrene	20.08	202	187697	4.345	ng/ul#	79
18) Benzo(a)anthracene	21.79	228	46369	1.152	ng/ul#	87
19) Chrysene	21.84	228	49889	1.194	ng/ul	94
21) Benzo(b)fluoranthene	23.62	252	57642m	1.370	ng/ul	} SJ/31/18
22) Benzo(k)fluoranthene	23.66	252	15134m	0.393	ng/ul	
23) Benzo(a)pyrene	24.32	252	16295m	0.434	ng/ul	
24) Indeno(1,2,3-cd)pyrene	27.25	276	12379m	0.300	ng/ul	
25) Dibenzo(a,h)anthracene	27.27	278	2863m	0.085	ng/ul	
26) Benzo(a,h,i)perylene	28.12	276	9693m	0.278	ng/ul	

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