

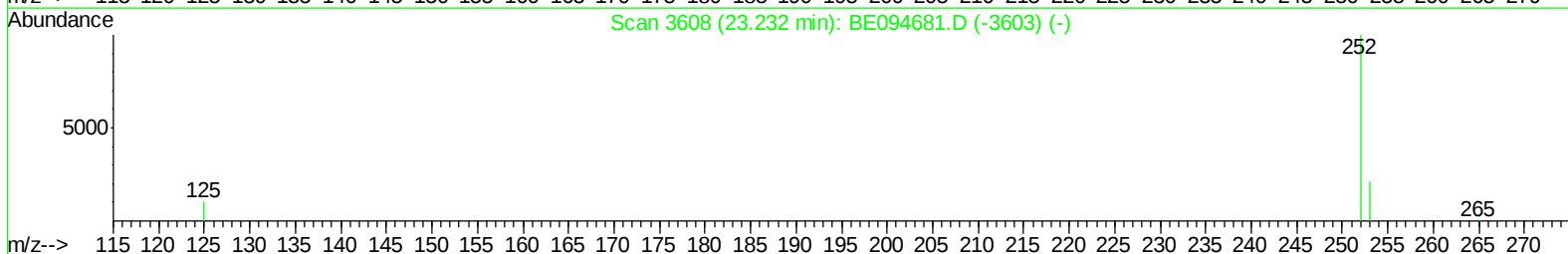
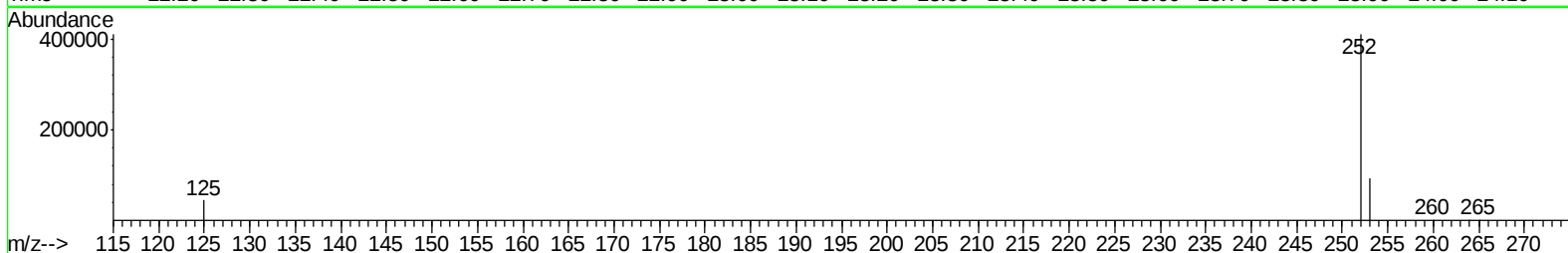
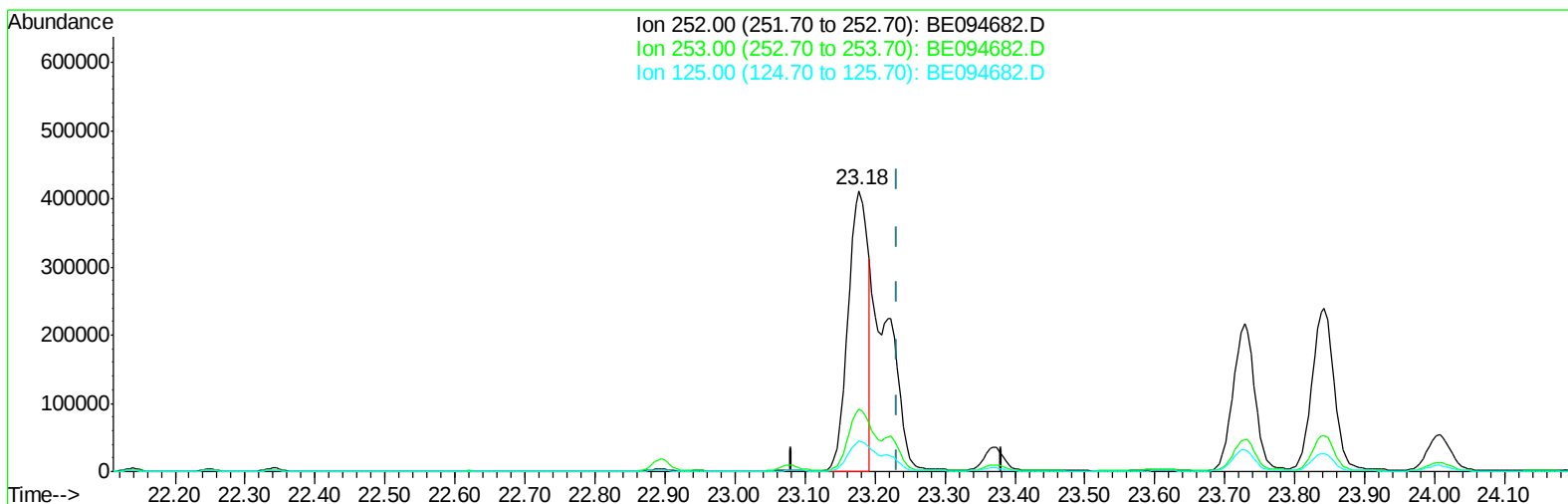
Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
Data File : BE094682.D
Acq On : 1 Nov 2017 5:29
Operator : SJ/JU
Sample : I5844-20
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AH4

Manual Integrations
APPROVED

Sohil
11/1/2017 4:30:00 PM

Quant Time: Nov 01 09:40:15 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 01 09:37:39 2017
Response via : Initial Calibration



TIC: BE094682.D

(22) Benzo(k)fluoranthene

23.177min (-0.054) 27.79ng/ul

response 796230

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	22.45#
125.00	17.10	10.77#
0.00	0.00	0.00

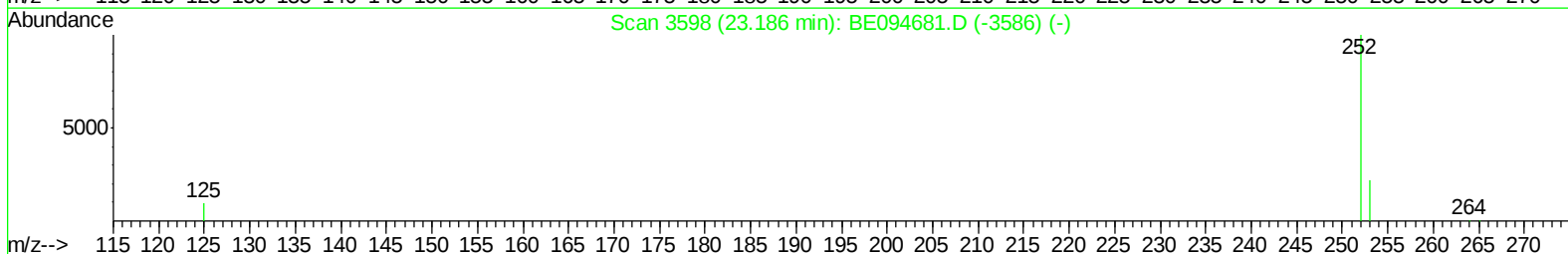
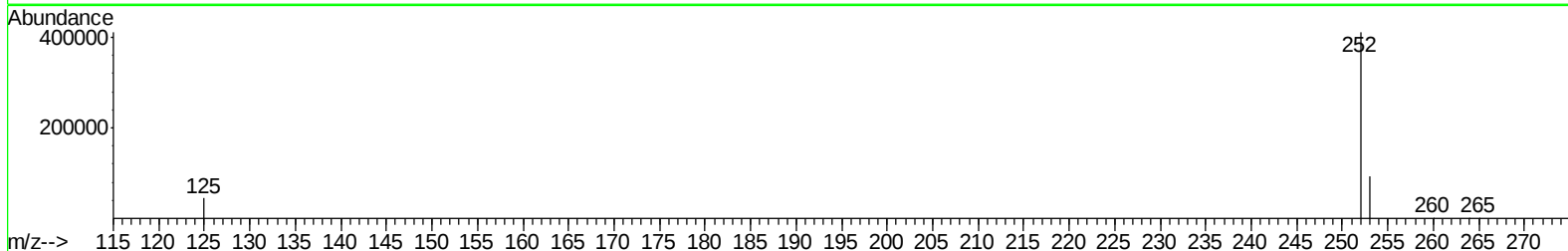
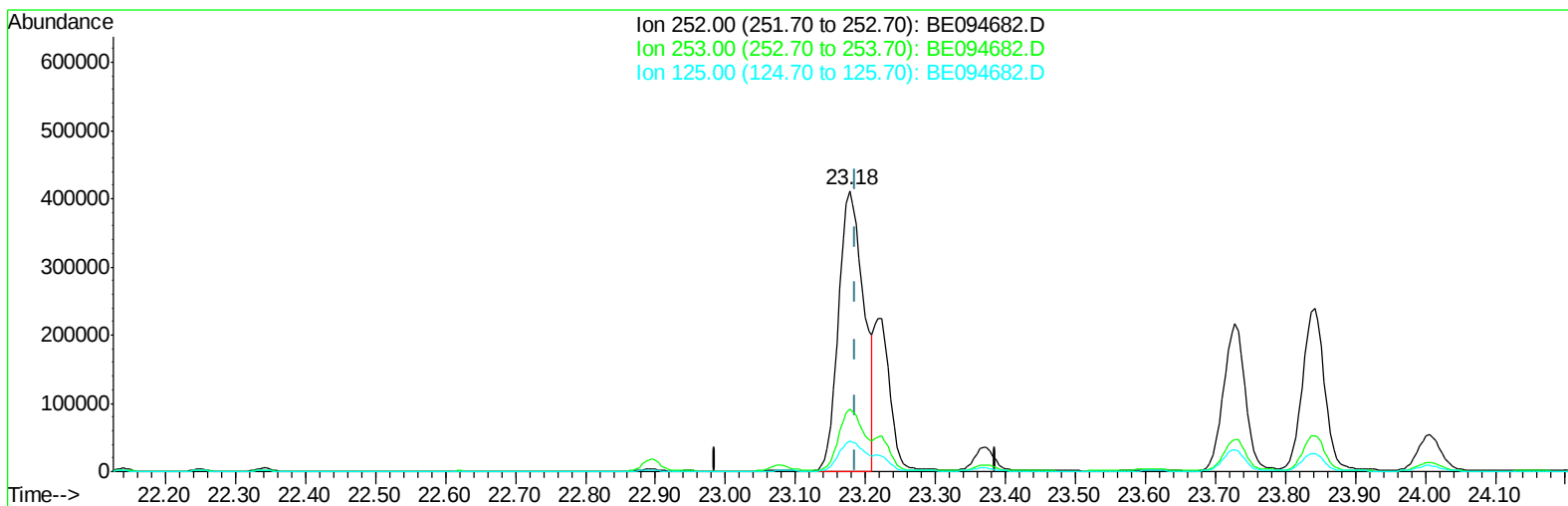
Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
Data File : BE094682.D
Acq On : 1 Nov 2017 5:29
Operator : SJ/JU
Sample : I5844-20
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AH4

Manual Integrations
APPROVED

Sohil
11/1/2017 4:30:00 PM

Quant Time: Nov 01 09:43:15 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 01 09:37:39 2017
Response via : Initial Calibration



TIC: BE094682.D

(21) Benzo(b)fluoranthene

23.177min (-0.009) 39.01ng/ul m

response 1043035

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	22.45
125.00	17.50	10.77
0.00	0.00	0.00

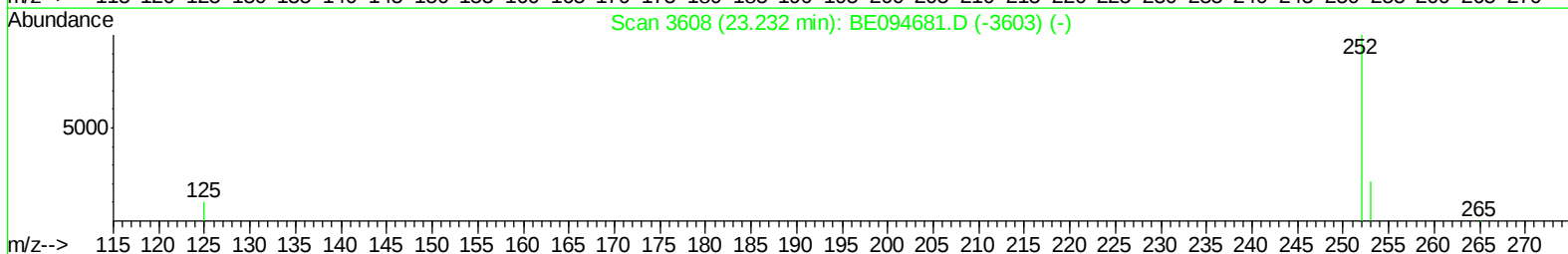
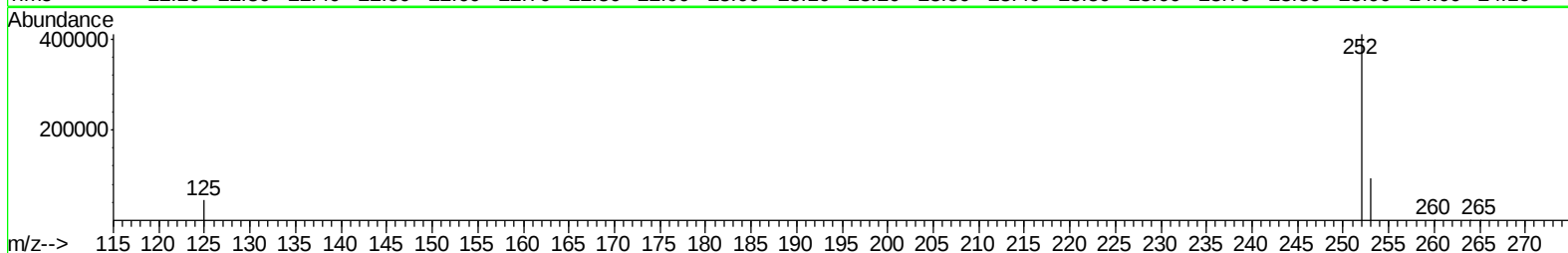
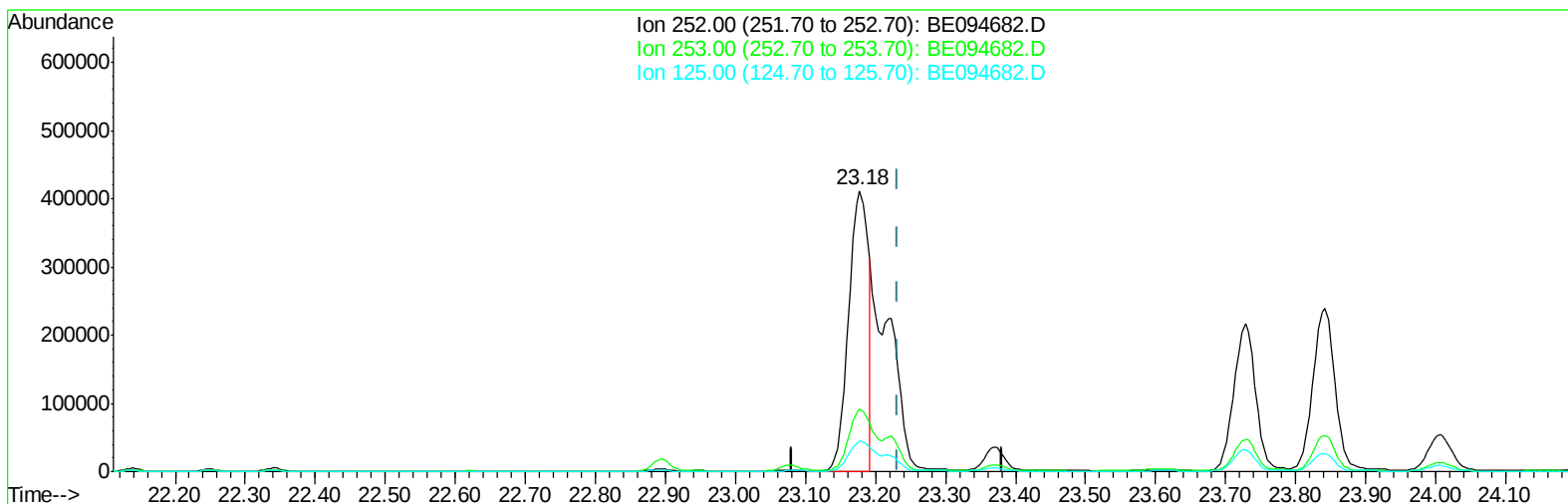
Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
Data File : BE094682.D
Acq On : 1 Nov 2017 5:29
Operator : SJ/JU
Sample : I5844-20
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AH4

Manual Integrations
APPROVED

Sohil
11/1/2017 4:30:00 PM

Quant Time: Nov 01 09:43:15 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 01 09:37:39 2017
Response via : Initial Calibration



TIC: BE094682.D

(22) Benzo(k)fluoranthene

23.177min (-0.054) 27.79ng/ul

response 796230

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	22.45#
125.00	17.10	10.77#
0.00	0.00	0.00

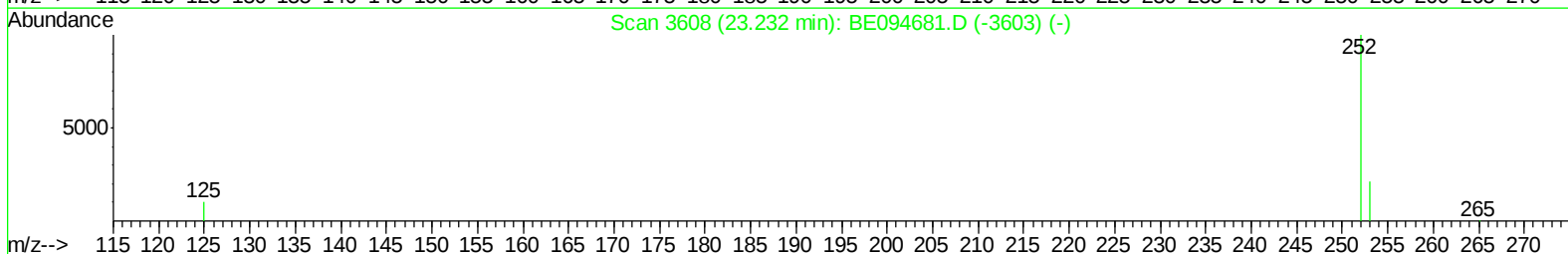
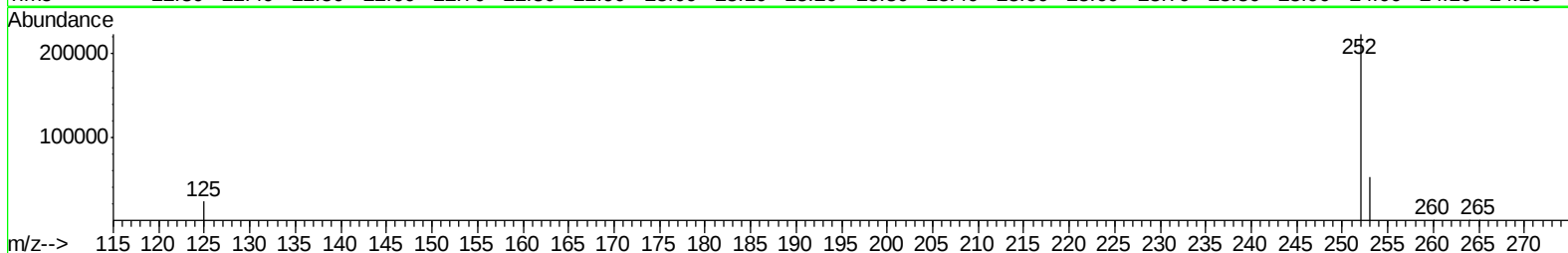
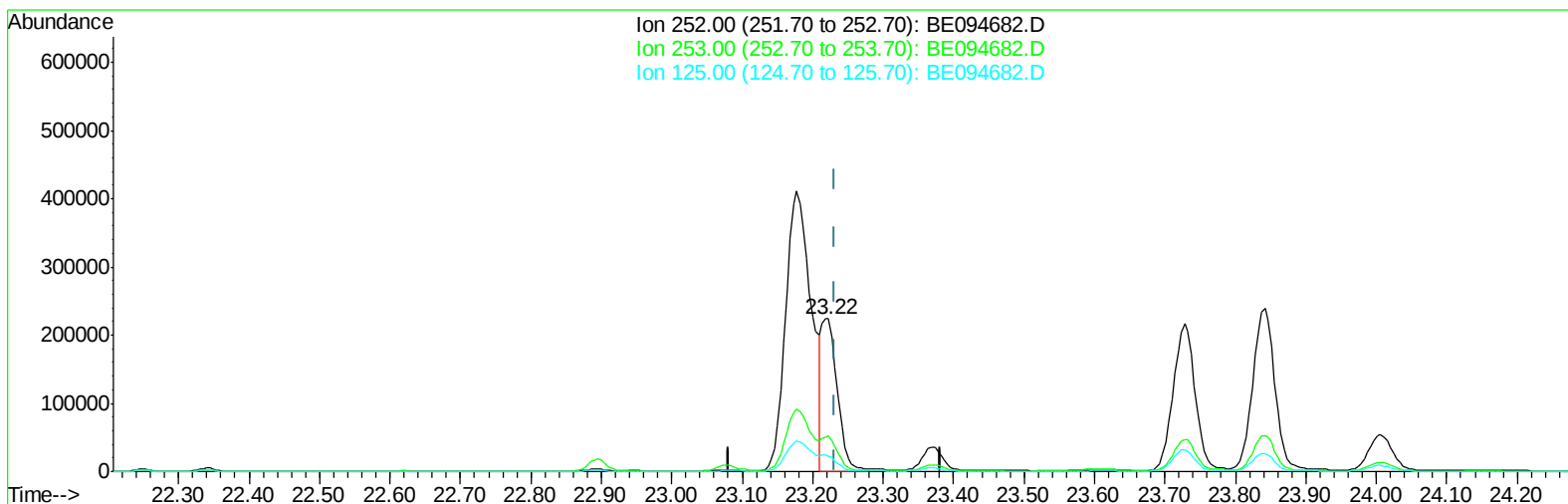
Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
Data File : BE094682.D
Acq On : 1 Nov 2017 5:29
Operator : SJ/JU
Sample : I5844-20
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AH4

Manual Integrations
APPROVED

Sohil
11/1/2017 4:30:00 PM

Quant Time: Nov 01 09:43:15 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 01 09:37:39 2017
Response via : Initial Calibration



TIC: BE094682.D

(22) Benzo(k)fluoranthene

23.223min (-0.009) 12.17ng/ul m

response 348759

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.29#
125.00	17.10	10.28#
0.00	0.00	0.00

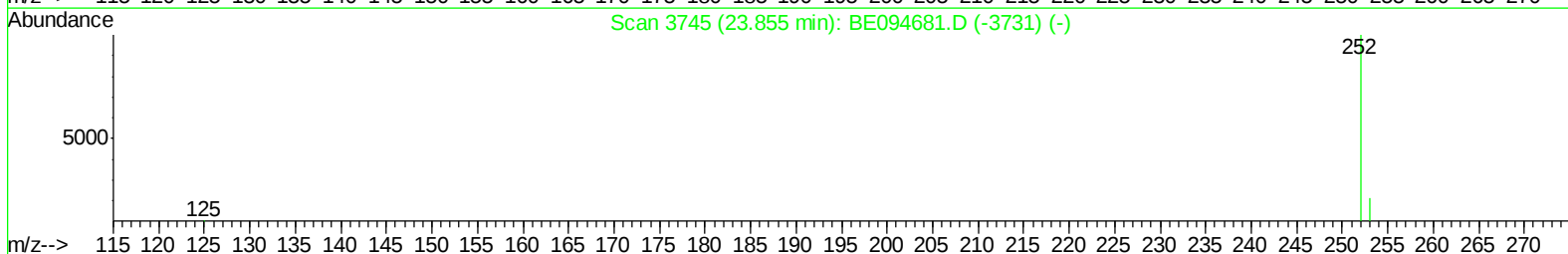
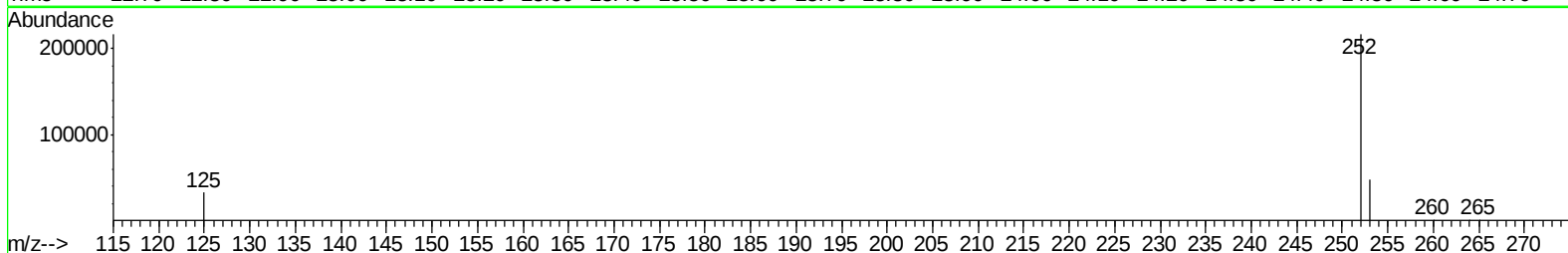
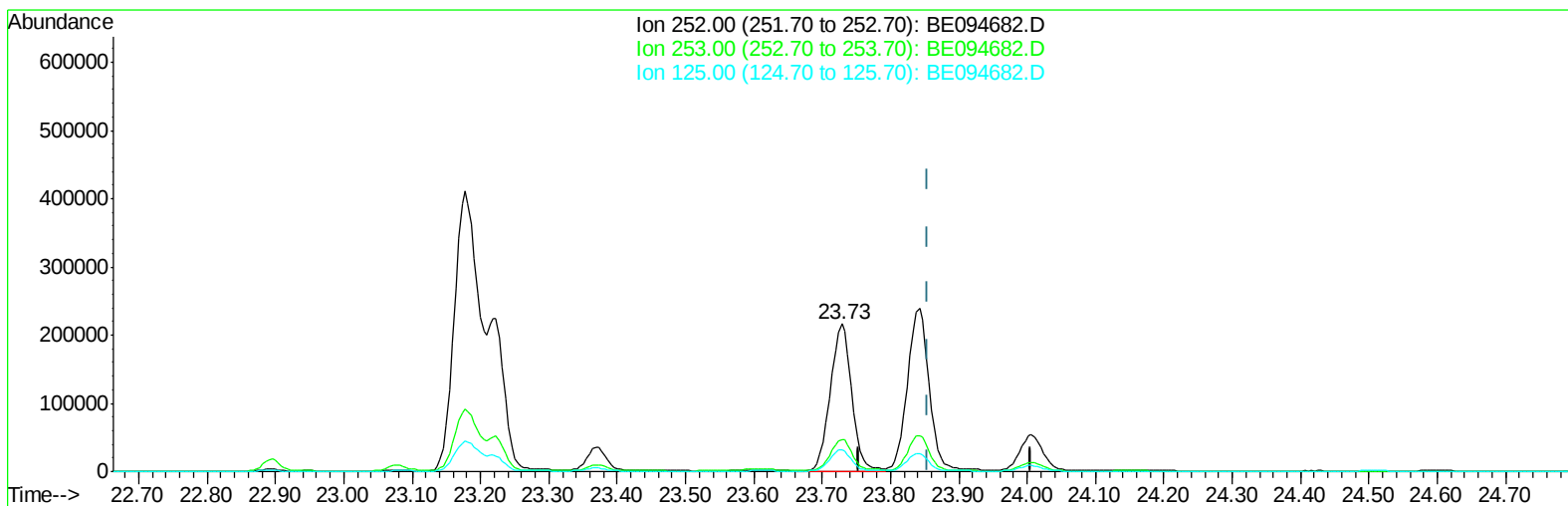
Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
Data File : BE094682.D
Acq On : 1 Nov 2017 5:29
Operator : SJ/JU
Sample : I5844-20
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AH4

Manual Integrations
APPROVED

Sohil
11/1/2017 4:30:00 PM

Quant Time: Nov 01 09:43:15 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 01 09:37:39 2017
Response via : Initial Calibration



TIC: BE094682.D

(23) Benzo(a)pyrene (C)

23.728min (-0.127) 17.56ng/ul

response 469340

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	21.99#
125.00	22.60	15.05#
0.00	0.00	0.00

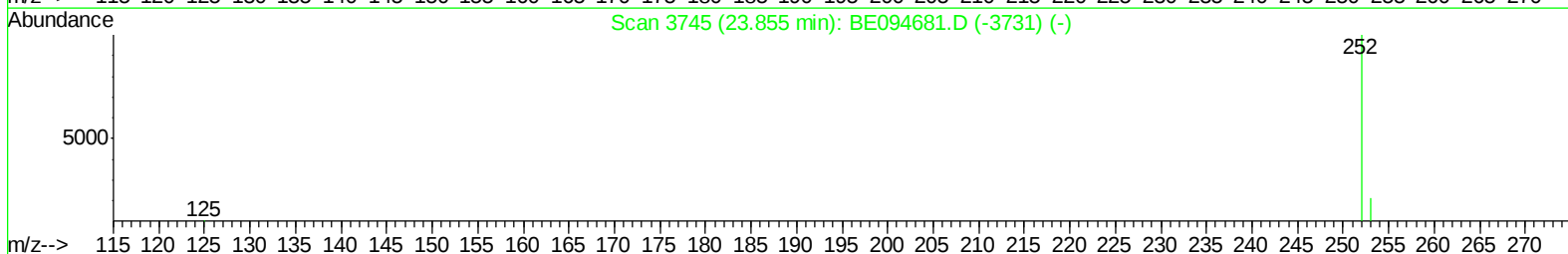
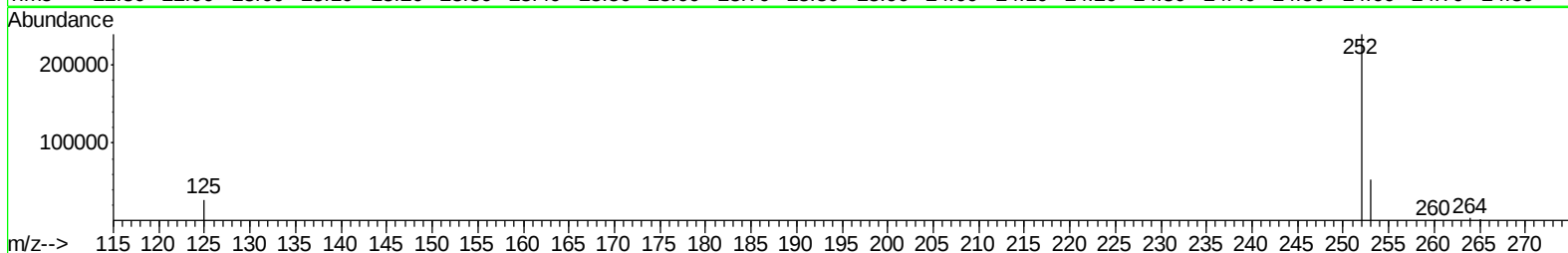
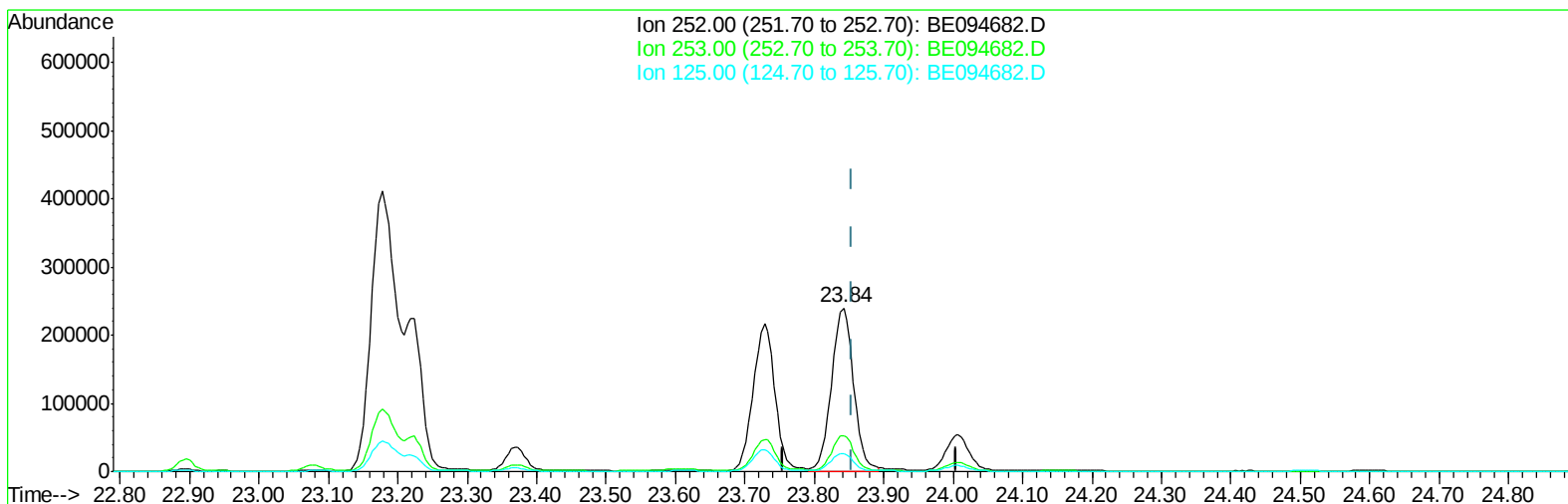
Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
Data File : BE094682.D
Acq On : 1 Nov 2017 5:29
Operator : SJ/JU
Sample : I5844-20
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AH4

Manual Integrations
APPROVED

Sohil
11/1/2017 4:30:00 PM

Quant Time: Nov 01 09:43:15 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 01 09:37:39 2017
Response via : Initial Calibration



TIC: BE094682.D

(23) Benzo(a)pyrene (C)

23.842min (-0.013) 19.61ng/ul m

response 524084

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	22.24#
125.00	22.60	11.32#
0.00	0.00	0.00

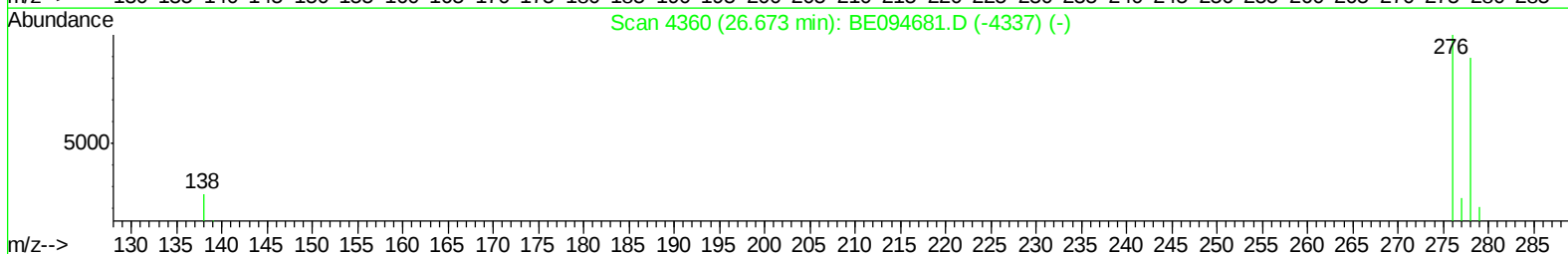
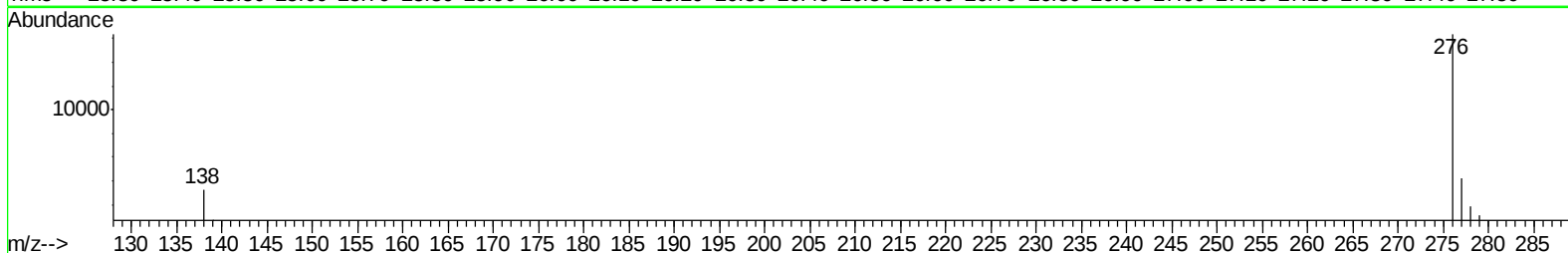
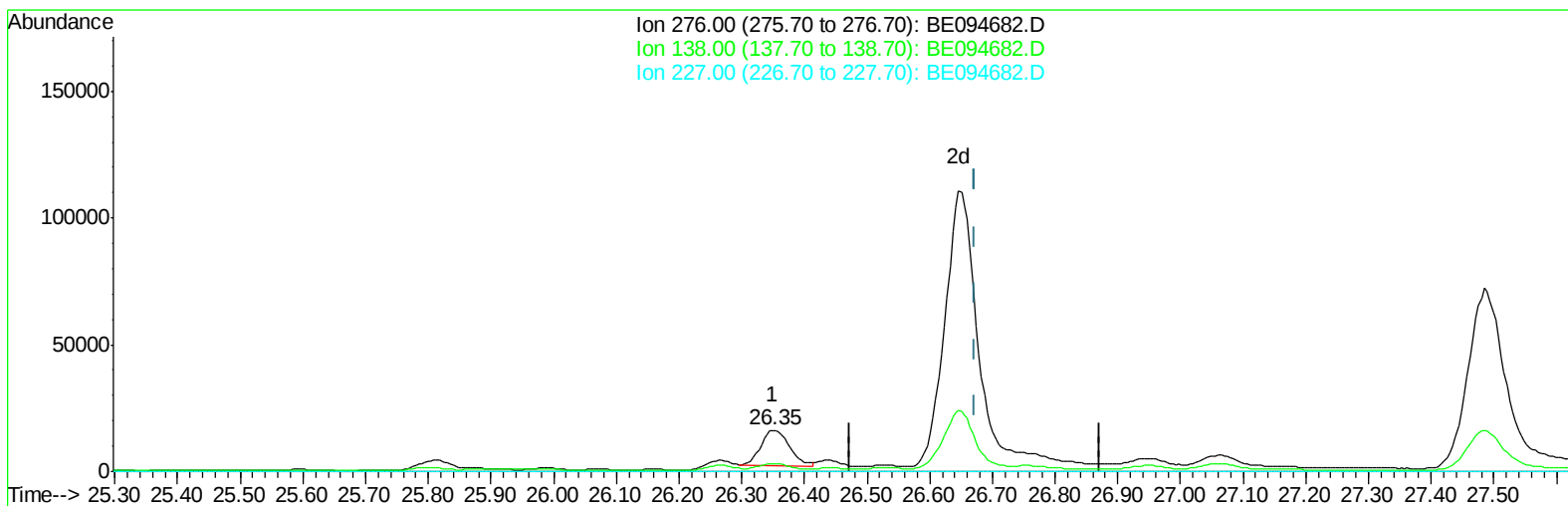
Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
Data File : BE094682.D
Acq On : 1 Nov 2017 5:29
Operator : SJ/JU
Sample : I5844-20
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AH4

Manual Integrations
APPROVED

Sohil
11/1/2017 4:30:00 PM

Quant Time: Nov 01 09:43:15 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 01 09:37:39 2017
Response via : Initial Calibration



TIC: BE094682.D

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

26.350min (-0.323) 1.58ng/ul

response 43731

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	14.82#
227.00	10.00	0.00#
0.00	0.00	0.00

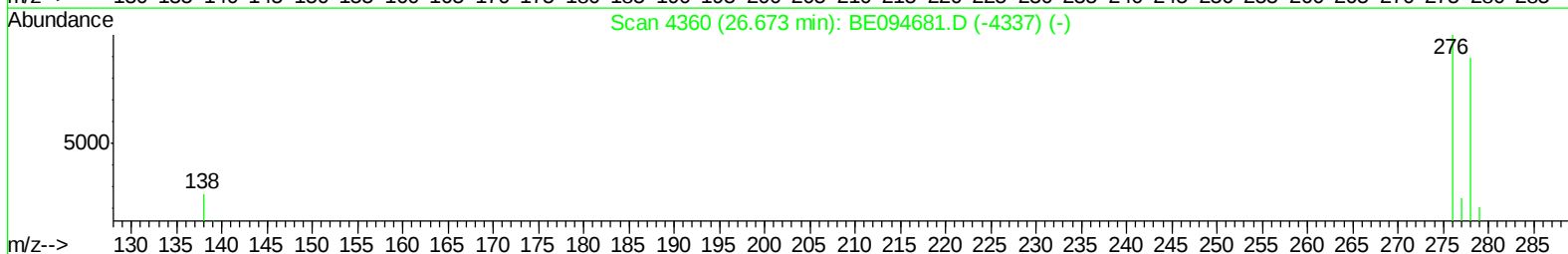
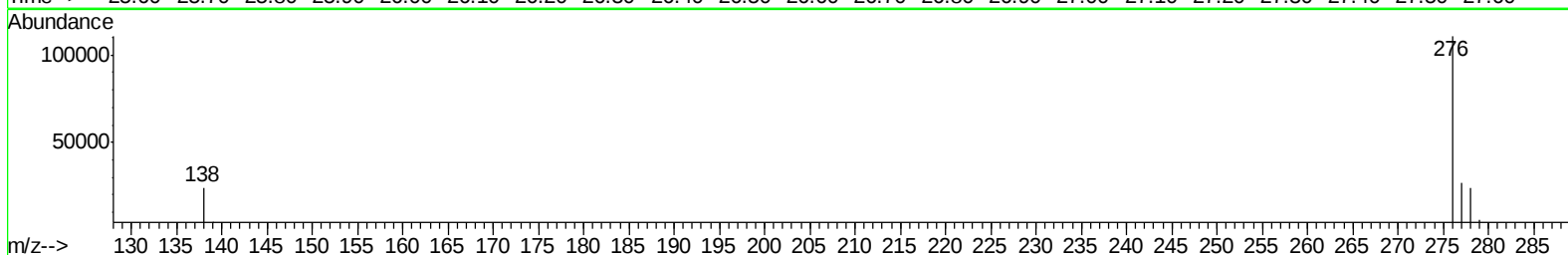
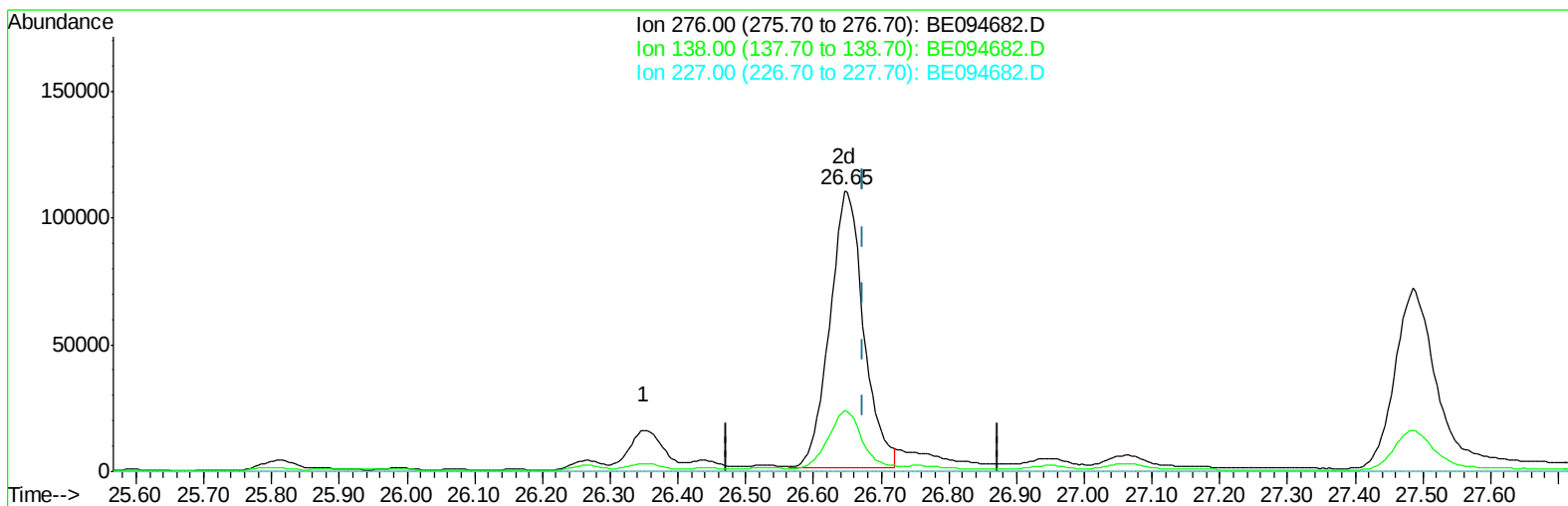
Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
Data File : BE094682.D
Acq On : 1 Nov 2017 5:29
Operator : SJ/JU
Sample : I5844-20
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AH4

Manual Integrations
APPROVED

Sohil
11/1/2017 4:30:00 PM

Quant Time: Nov 01 09:43:15 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 01 09:37:39 2017
Response via : Initial Calibration



TIC: BE094682.D

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

26.646min (-0.027) 13.79ng/ul m

response 381361

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	1.70#
227.00	10.00	0.00#
0.00	0.00	0.00

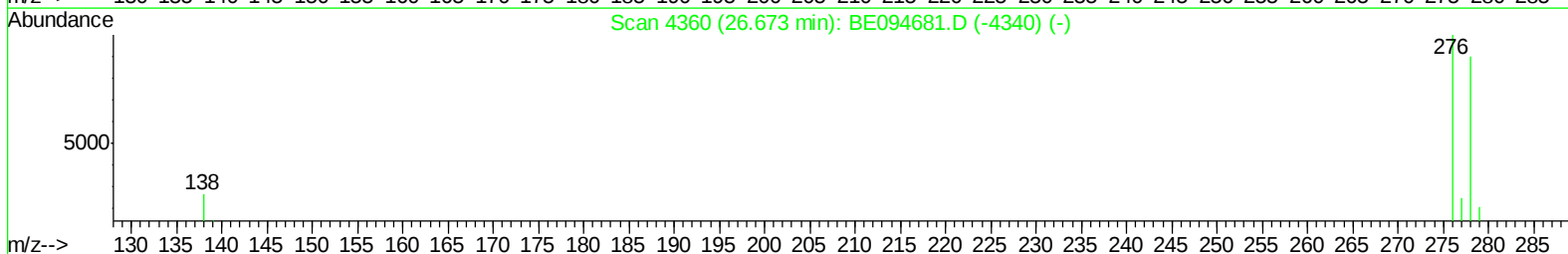
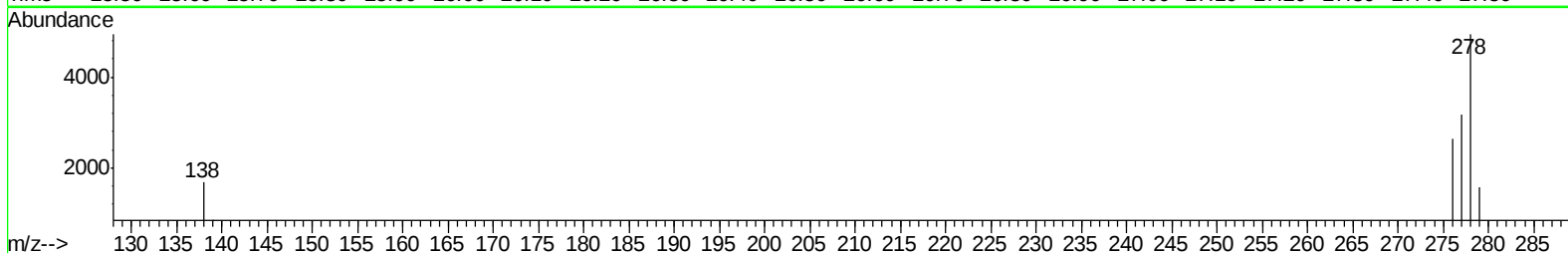
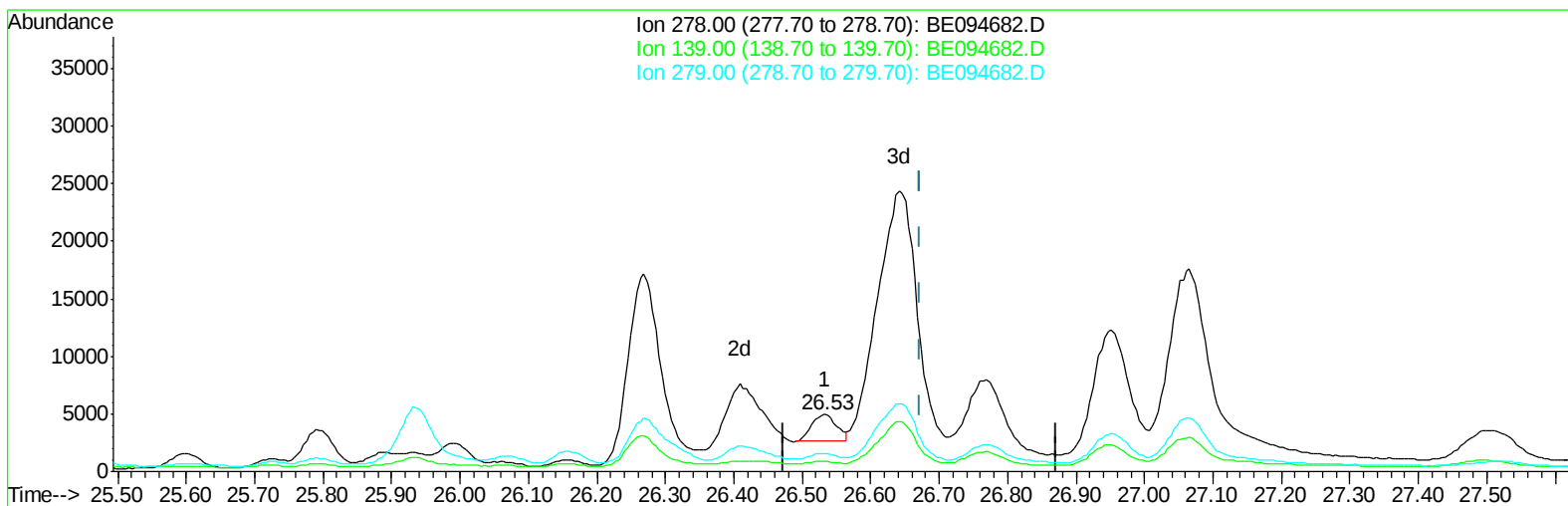
Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
Data File : BE094682.D
Acq On : 1 Nov 2017 5:29
Operator : SJ/JU
Sample : I5844-20
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AH4

Manual Integrations
APPROVED

Sohil
11/1/2017 4:30:00 PM

Quant Time: Nov 01 09:43:15 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 01 09:37:39 2017
Response via : Initial Calibration



TIC: BE094682.D

(25) Dibenzo(a,h)anthracene

26.532min (-0.140) 0.25ng/ul

response 5889

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	17.15#
279.00	32.40	31.80
0.00	0.00	0.00

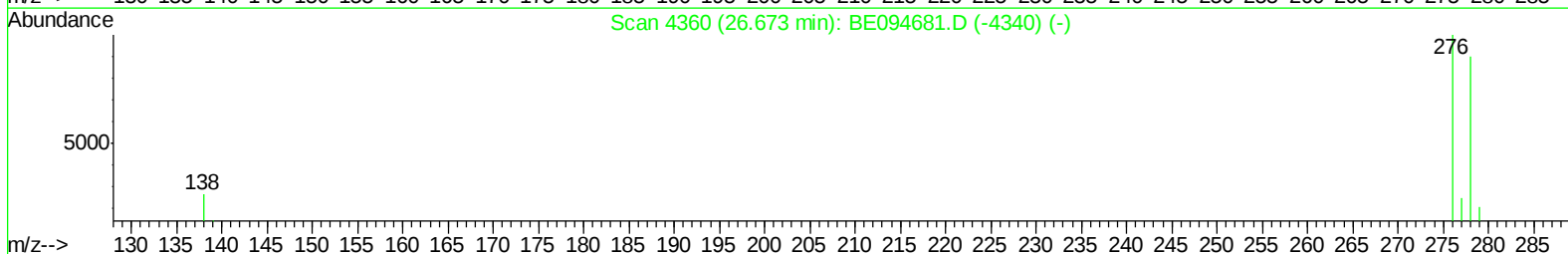
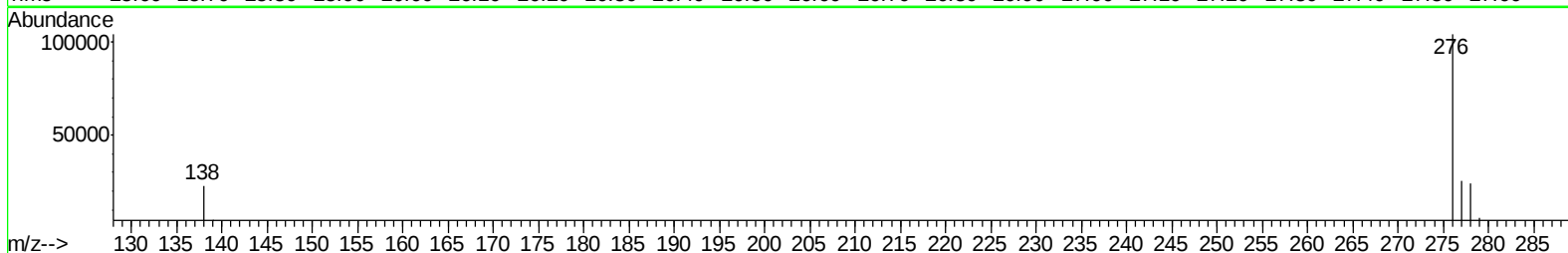
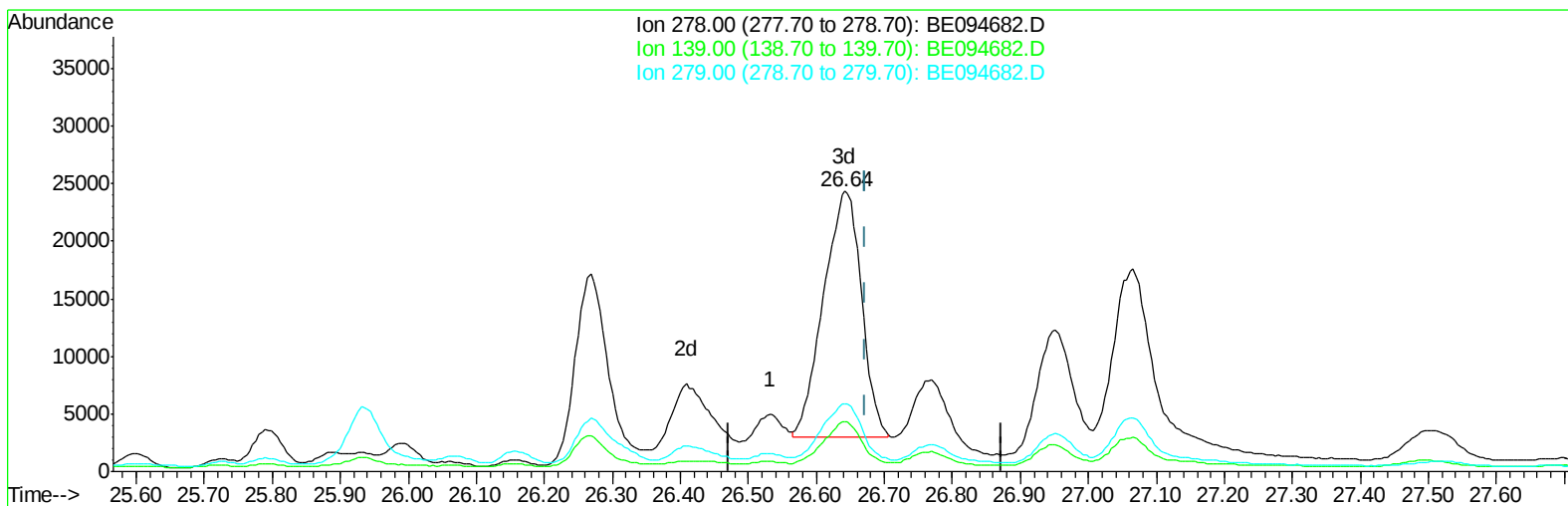
Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
 Data File : BE094682.D
 Acq On : 1 Nov 2017 5:29
 Operator : SJ/JU
 Sample : I5844-20
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AH4

Manual Integrations
 APPROVED

Sohil
 11/1/2017 4:30:00 PM

Quant Time: Nov 01 09:43:15 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 01 09:37:39 2017
 Response via : Initial Calibration



TIC: BE094682.D

(25) Dibenzo(a,h)anthracene

26.642min (-0.031) 3.55ng/ul m

response 82721

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	17.97
279.00	32.40	24.27#
0.00	0.00	0.00

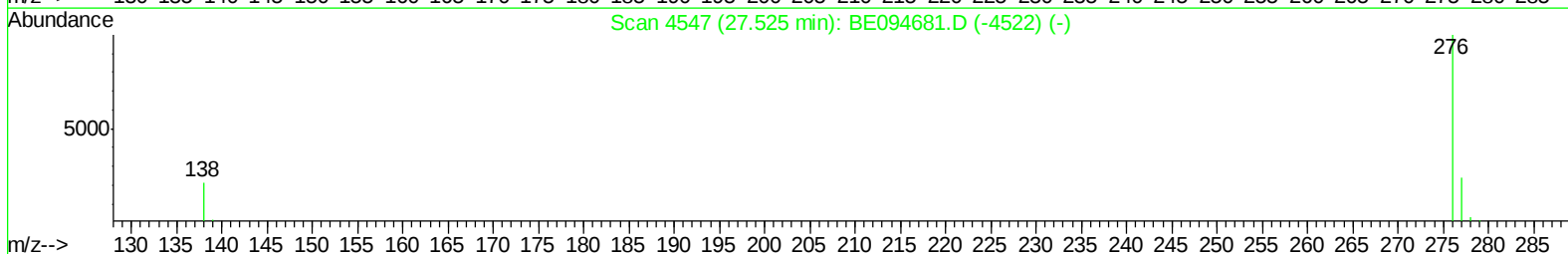
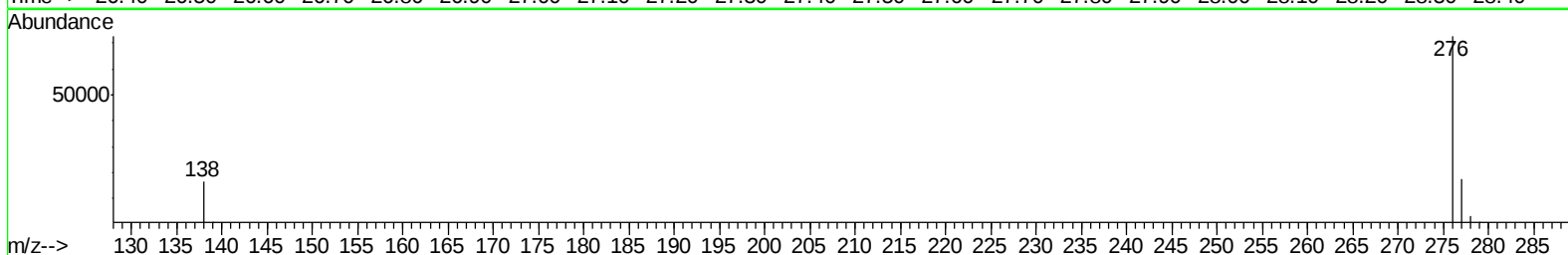
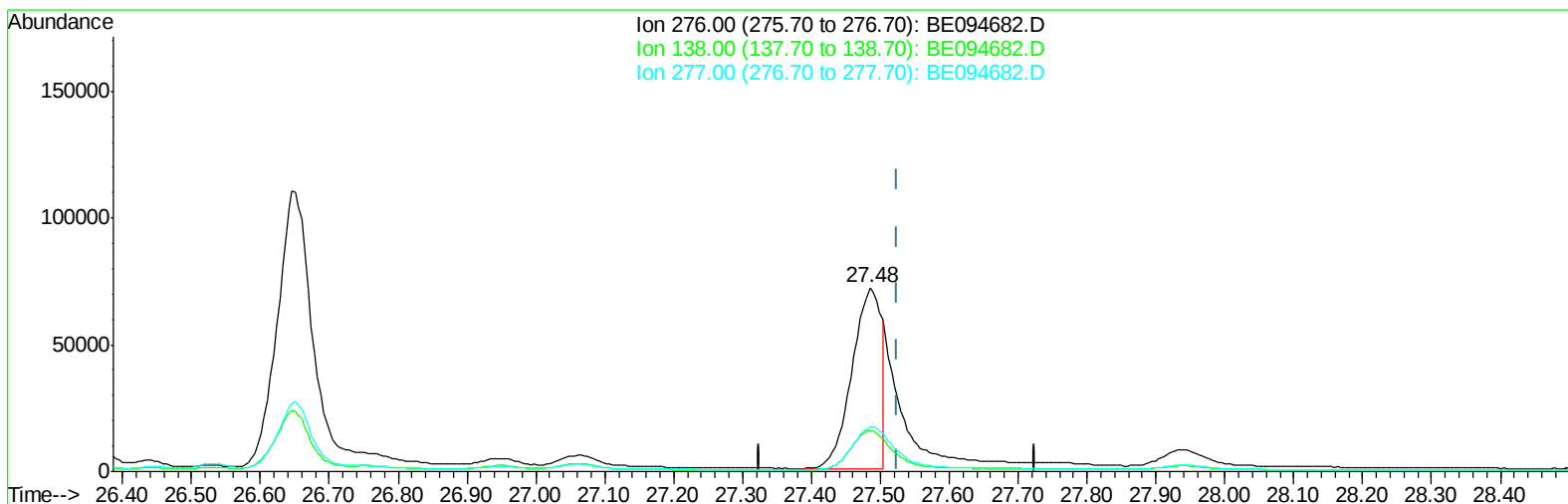
Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
Data File : BE094682.D
Acq On : 1 Nov 2017 5:29
Operator : SJ/JU
Sample : I5844-20
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AH4

Manual Integrations
APPROVED

Sohil
11/1/2017 4:30:00 PM

Quant Time: Nov 01 09:43:15 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 01 09:37:39 2017
Response via : Initial Calibration



TIC: BE094682.D

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

27.485min (-0.040) 9.33ng/ul

response 207084

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	22.51
277.00	25.60	24.28
0.00	0.00	0.00

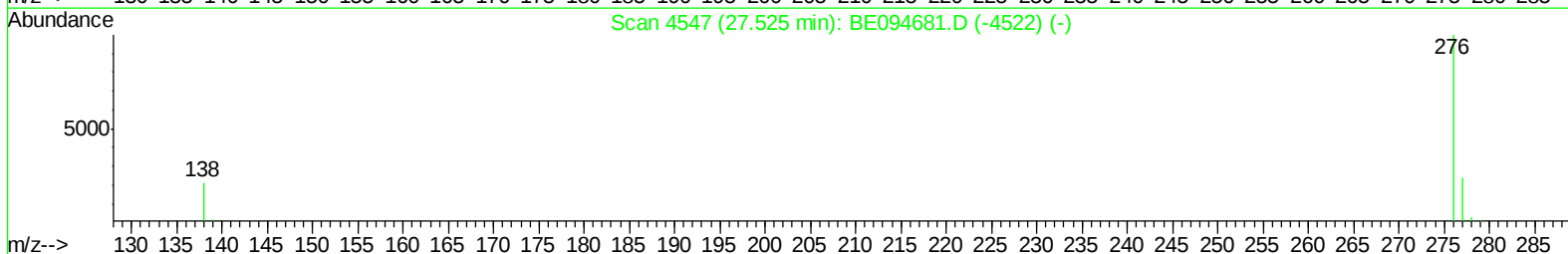
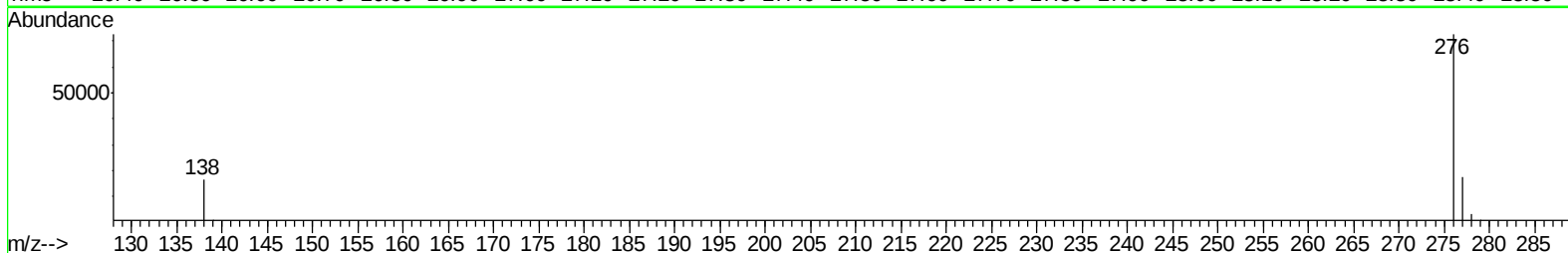
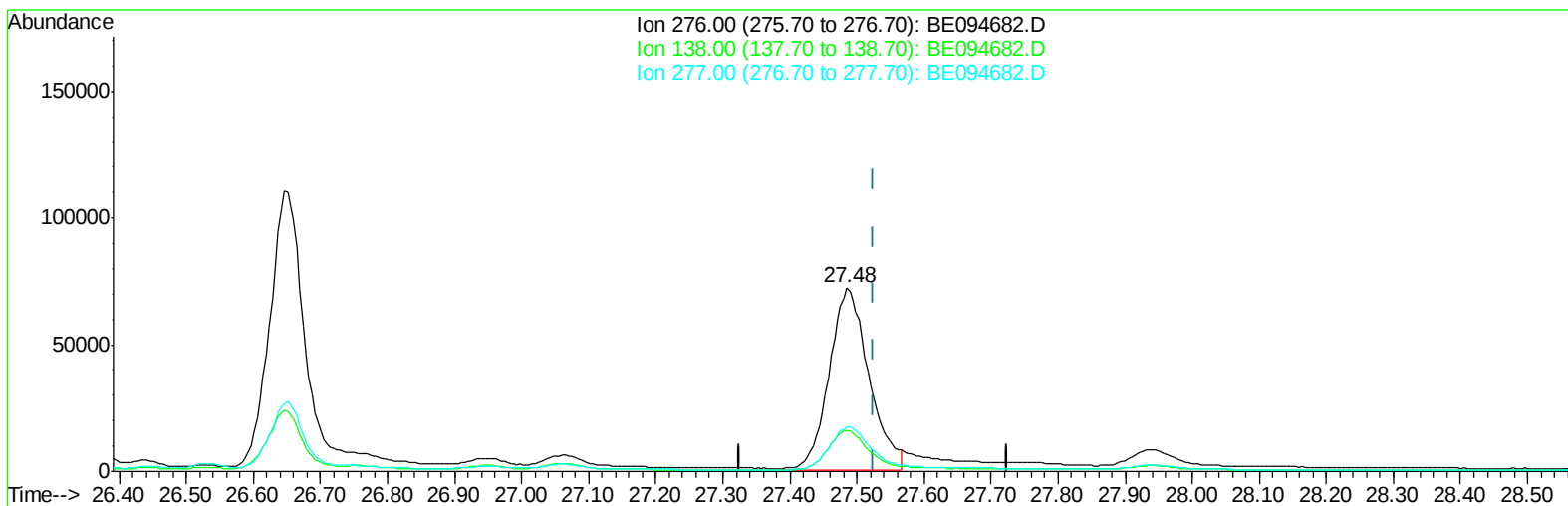
Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
Data File : BE094682.D
Acq On : 1 Nov 2017 5:29
Operator : SJ/JU
Sample : I5844-20
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AH4

Manual Integrations
APPROVED

Sohil
11/1/2017 4:30:00 PM

Quant Time: Nov 01 09:43:15 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 01 09:37:39 2017
Response via : Initial Calibration



TIC: BE094682.D

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

27.485min (-0.040) 13.36ng/ul m

response 296680

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	22.51
277.00	25.60	24.28
0.00	0.00	0.00

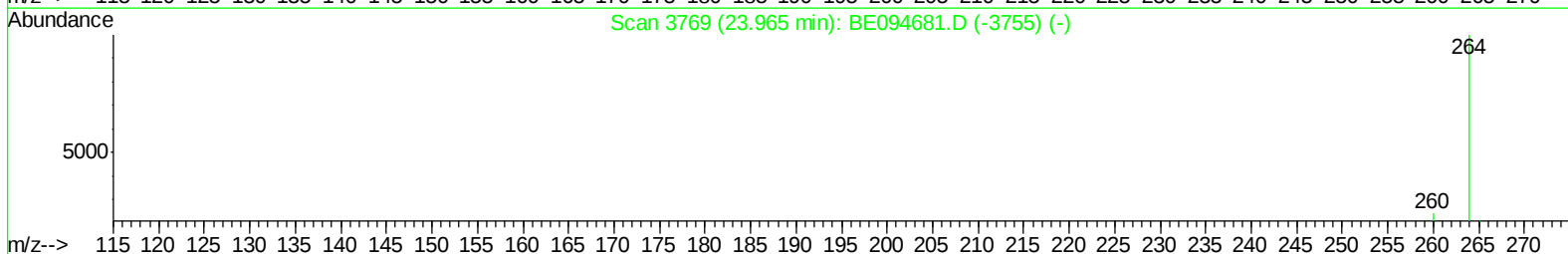
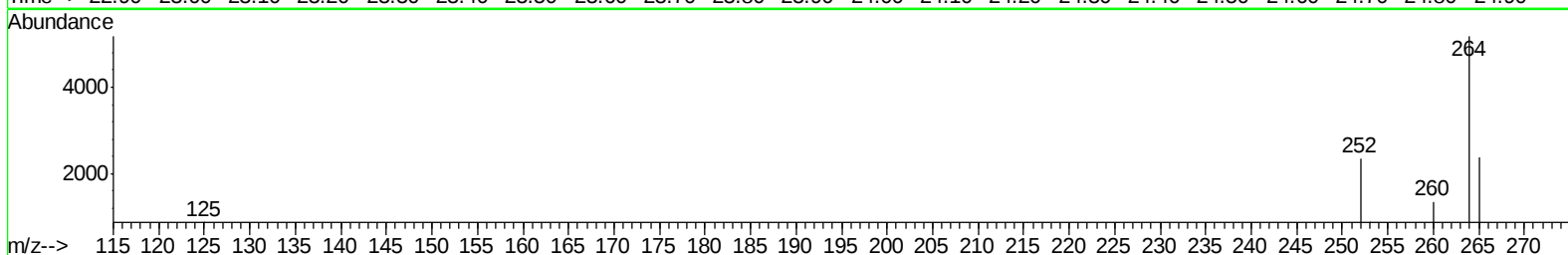
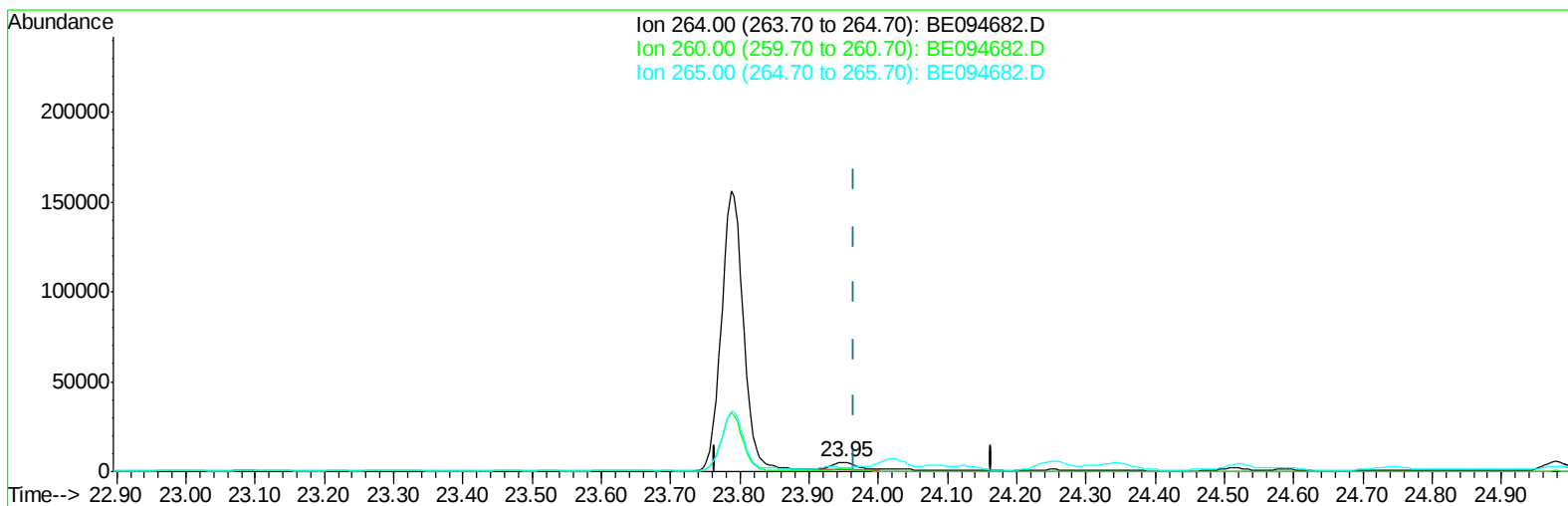
Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
Data File : BE094682.D
Acq On : 1 Nov 2017 5:29
Operator : SJ/JU
Sample : I5844-20
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AH4

Manual Integrations
APPROVED

Sohil
11/1/2017 4:30:00 PM

Quant Time: Nov 01 09:48:35 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 01 09:37:39 2017
Response via : Initial Calibration



TIC: BE094682.D

(20) Perylene-d12 (I)

23.952min (-0.013) 0.40ng/ul m

response 9505

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	26.08
265.00	103.50	45.94#
0.00	0.00	0.00

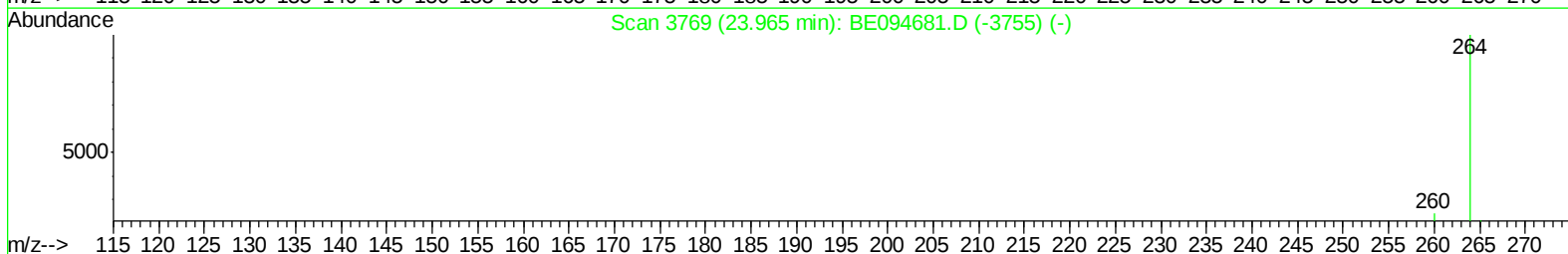
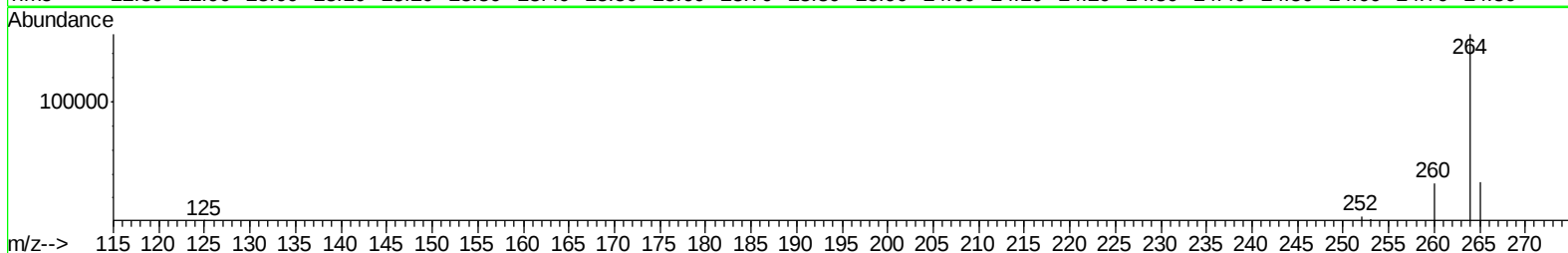
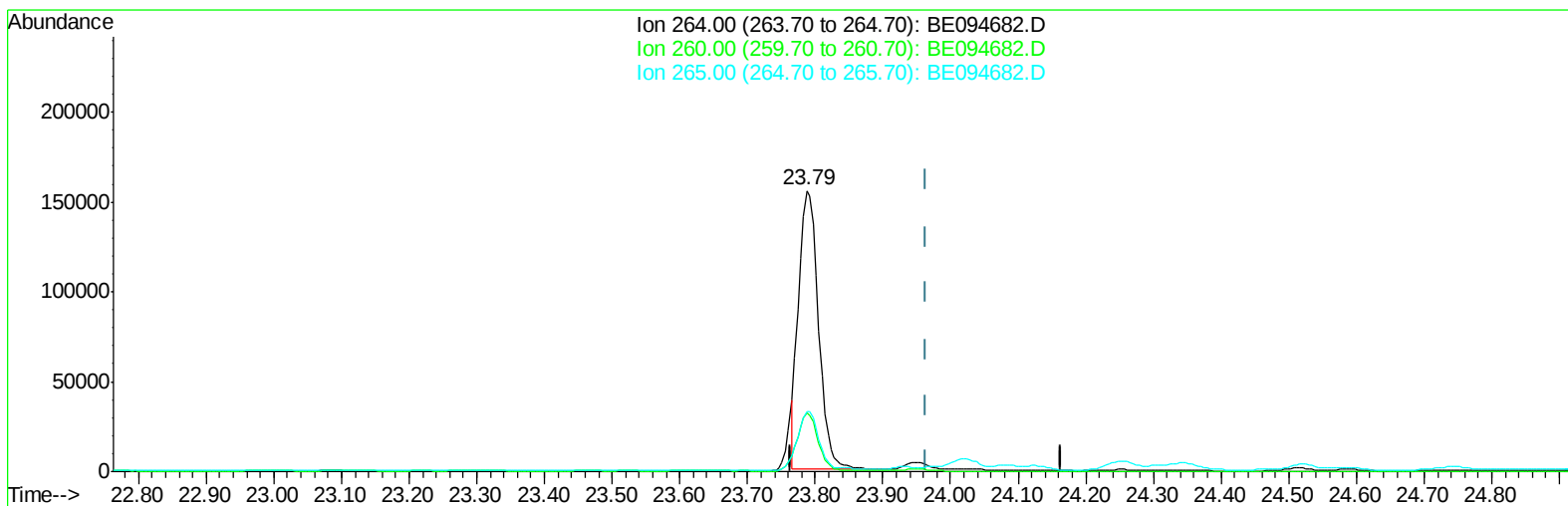
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Data File : BE094682.D
Acq On : 1 Nov 2017 5:29
Operator : SJ/JU
Sample : I5844-20
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AH4

Manual Integrations
APPROVED

Sohil
11/1/2017 4:30:00 PM

Quant Time: Nov 01 09:54:35 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 01 09:37:39 2017
Response via : Initial Calibration



TIC: BE094682.D

(20) Perylene-d12 (I)

23.788min (-0.177) 0.40ng/ul

response 321153

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.71#
265.00	103.50	21.50#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
 Data File : BE094682.D
 Acq On : 1 Nov 2017 5:29
 Operator : SJ/JU
 Sample : I5844-20
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AH4

Manual Integrations
 APPROVED

Sohil
 11/1/2017 4:30:00 PM

Quant Time: Nov 01 09:48:35 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1501	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.69	136	8709	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	4885	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.24	188	10492	0.40	ng/ul	-0.02
16) Chrysene-d12	21.42	240	10375	0.40	ng/ul	0.00
20) Perylene-d12	23.95	264	9505m	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	2285	0.16	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	5224	0.17	ng/ul	-0.01
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	2291	0.11	ng/ul#	94
5) 2-Methylnaphthalene	12.35	142	1817	0.12	ng/ul	98
7) Acenaphthylene	14.24	152	5791	0.26	ng/ul	99
8) Acenaphthene	14.57	153	7806	0.49	ng/ul	99
9) Fluorene	15.56	166	8335	0.47	ng/ul	93
12) Phenanthrene	17.29	178	604434	21.81	ng/ul#	92
13) Anthracene	17.38	178	45480	1.66	ng/ul#	92
15) Fluoranthene	19.31	202	1739191	54.28	ng/ul	84
17) Pyrene	19.67	202	1353155	42.19	ng/ul#	81
18) Benzo(a)anthracene	21.40	228	483674	16.31	ng/ul#	86
19) Chrysene	21.46	228	784685	25.60	ng/ul	99
21) Benzo(b)fluoranthene	23.18	252	1043035m	39.01	ng/ul	
22) Benzo(k)fluoranthene	23.22	252	348759m	12.17	ng/ul	
23) Benzo(a)pyrene	23.84	252	524084m	19.61	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.65	276	381361m	13.79	ng/ul	
25) Dibenzo(a,h)anthracene	26.64	278	82721m	3.55	ng/ul	
26) Benzo(a,h,i)perylene	27.48	276	296680m	13.36	ng/ul	

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

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