

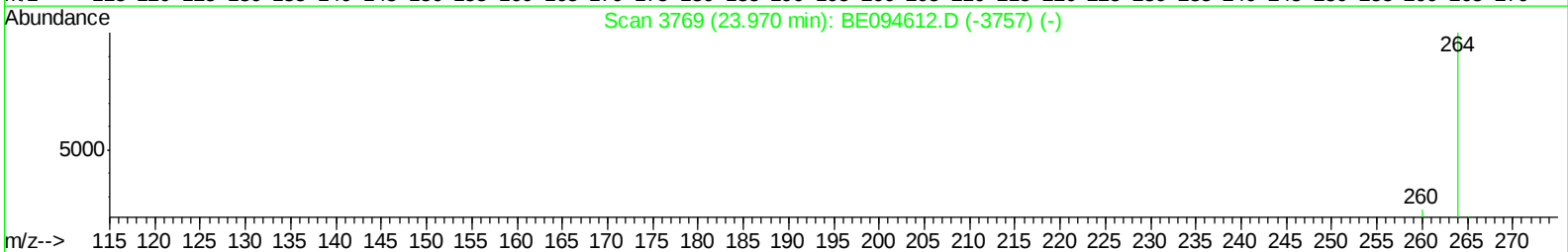
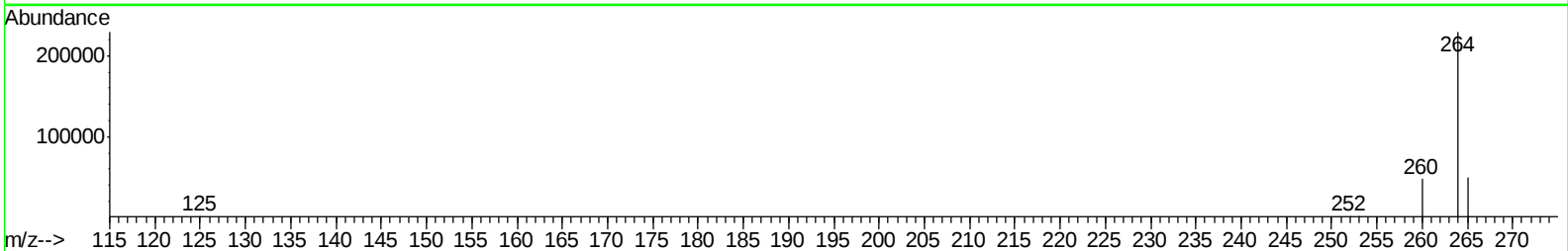
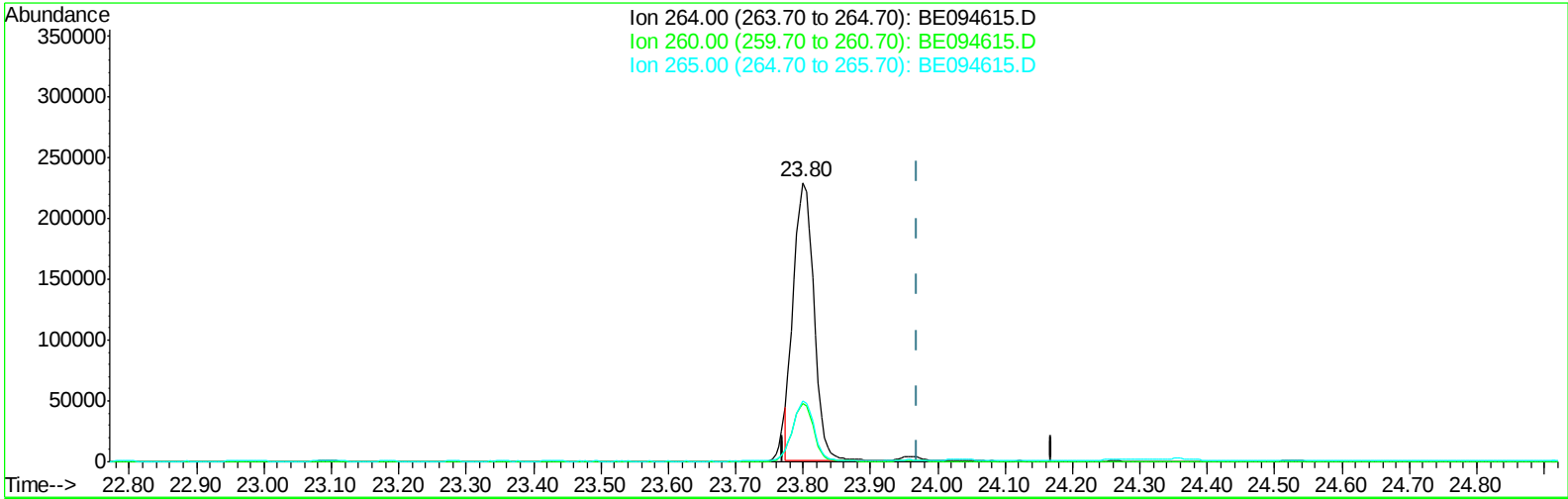
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094615.D
Acq On : 28 Oct 2017 10:25
Operator : SJ/JU
Sample : I5842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA1

Manual Integrations
APPROVED

Sohil
10/30/2017 6:37:29 PM

Quant Time: Oct 30 02:32:21 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 02:20:53 2017
Response via : Initial Calibration



TIC: BE094615.D

(20) Perylene-d12 (I)

23.800min (-0.170) 0.40ng/ul

response 482860

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.77#
265.00	103.50	21.66#
0.00	0.00	0.00

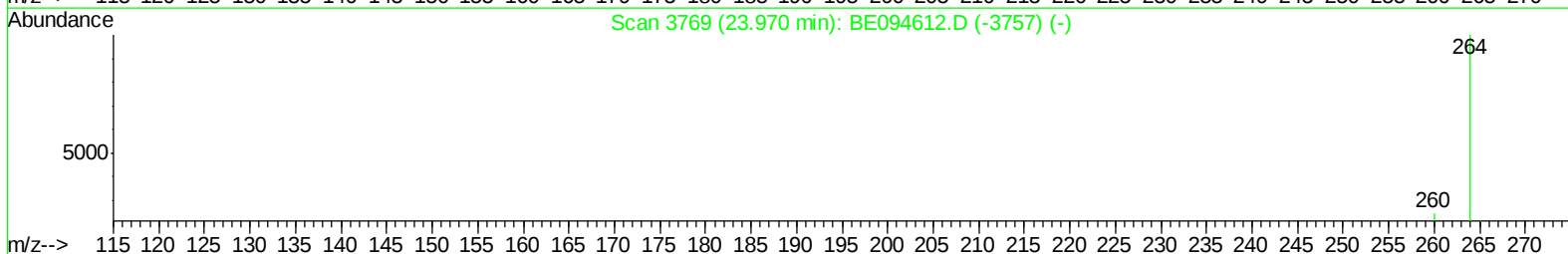
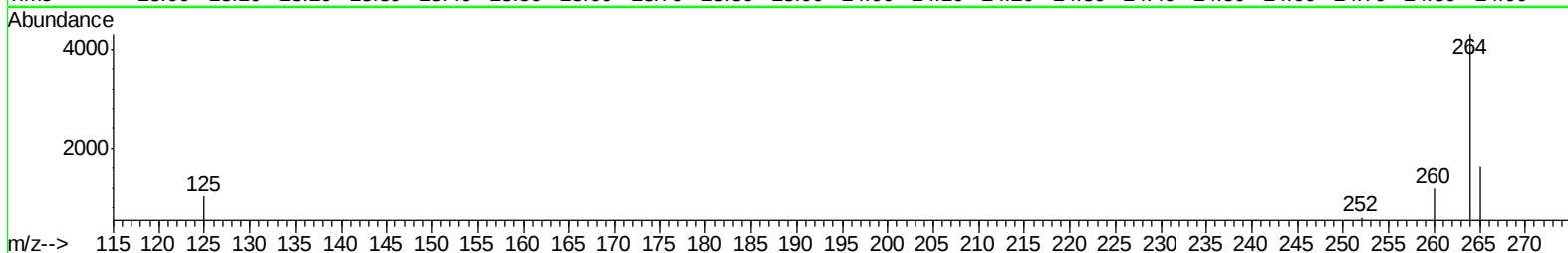
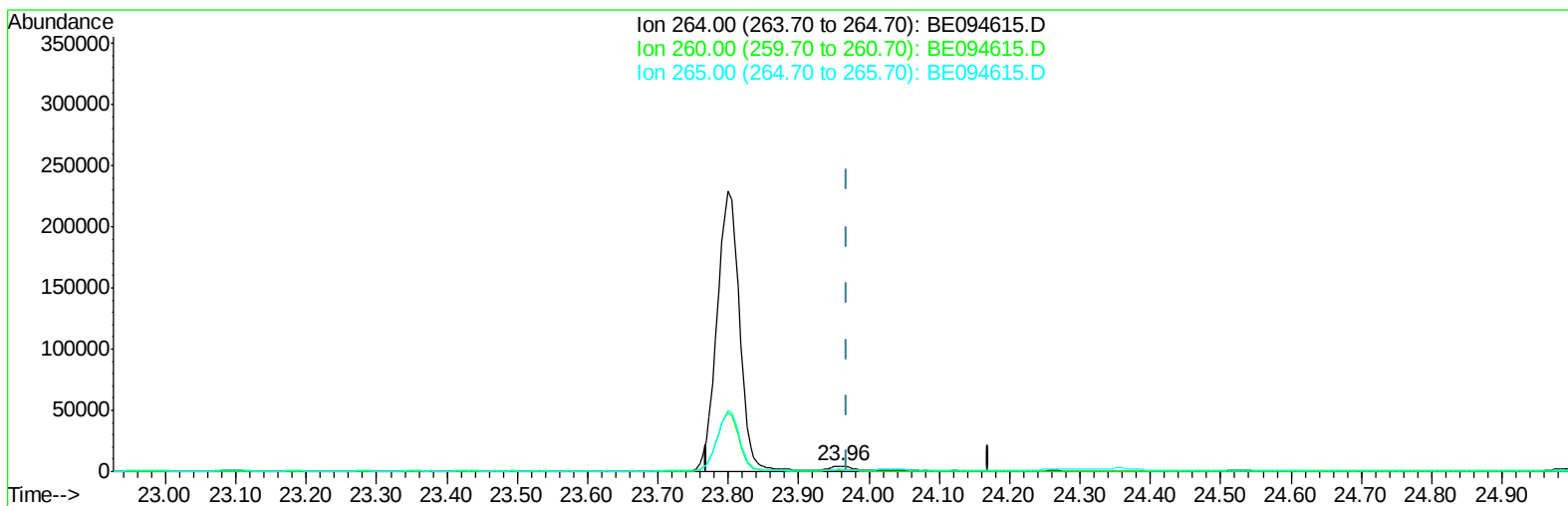
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094615.D
Acq On : 28 Oct 2017 10:25
Operator : SJ/JU
Sample : I5842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA1

Manual Integrations
APPROVED

Sohil
10/30/2017 6:37:29 PM

Quant Time: Oct 30 02:32:21 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 02:20:53 2017
Response via : Initial Calibration



TIC: BE094615.D

(20) Perylene-d12 (I)

23.959min (-0.010) 0.40ng/ul m

response 8515

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	27.67
265.00	103.50	37.75#
0.00	0.00	0.00

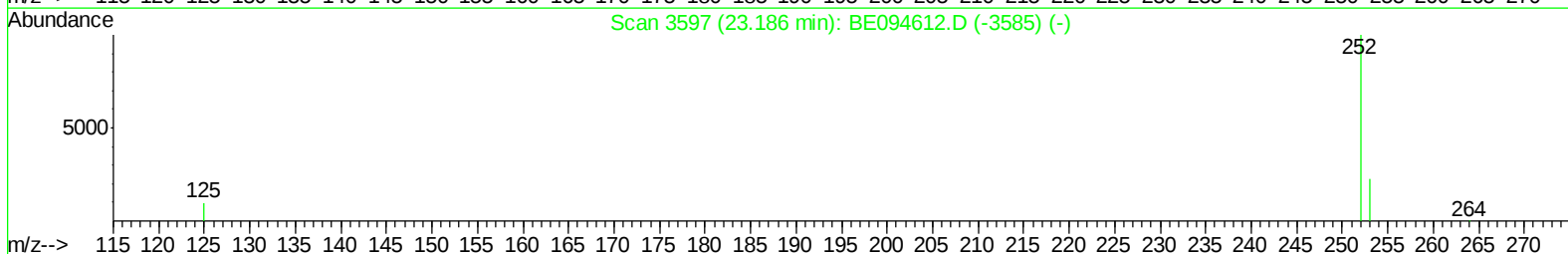
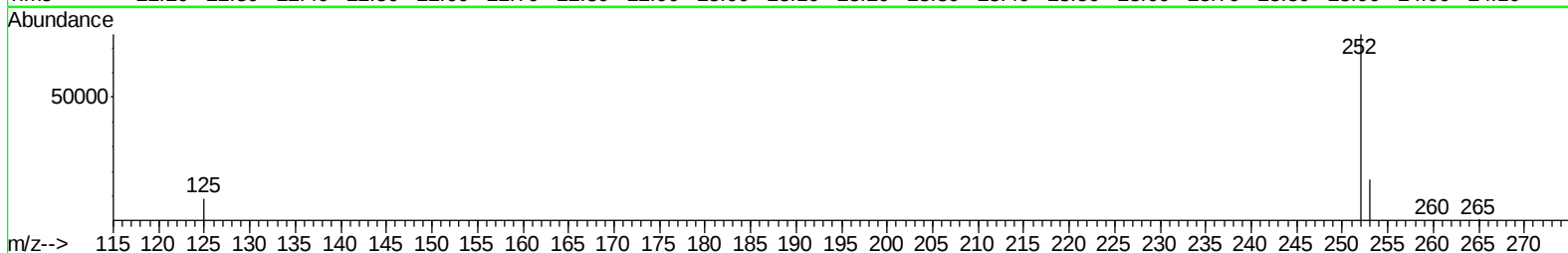
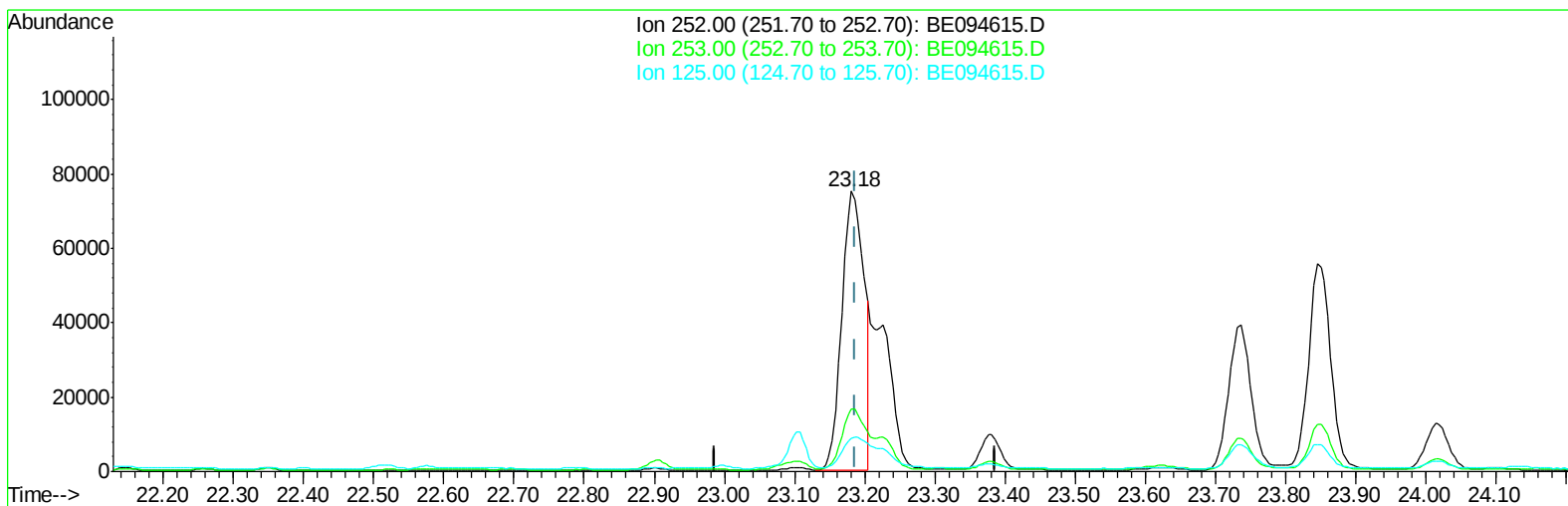
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094615.D
Acq On : 28 Oct 2017 10:25
Operator : SJ/JU
Sample : I5842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA1

Manual Integrations
APPROVED

Sohil
10/30/2017 6:37:29 PM

Quant Time: Oct 30 02:42:48 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 02:20:53 2017
Response via : Initial Calibration



TIC: BE094615.D

(21) Benzo(b)fluoranthene
23.181min (-0.006) 6.82ng/ul
response 163311

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	22.30
125.00	17.50	11.94
0.00	0.00	0.00

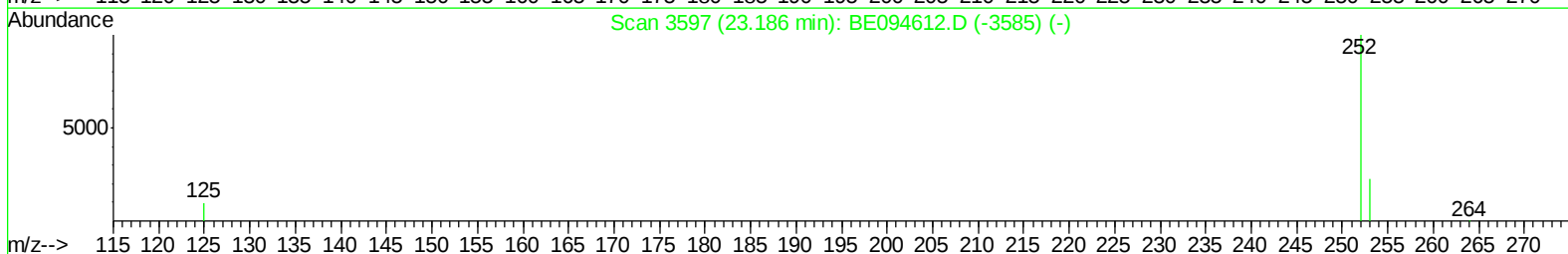
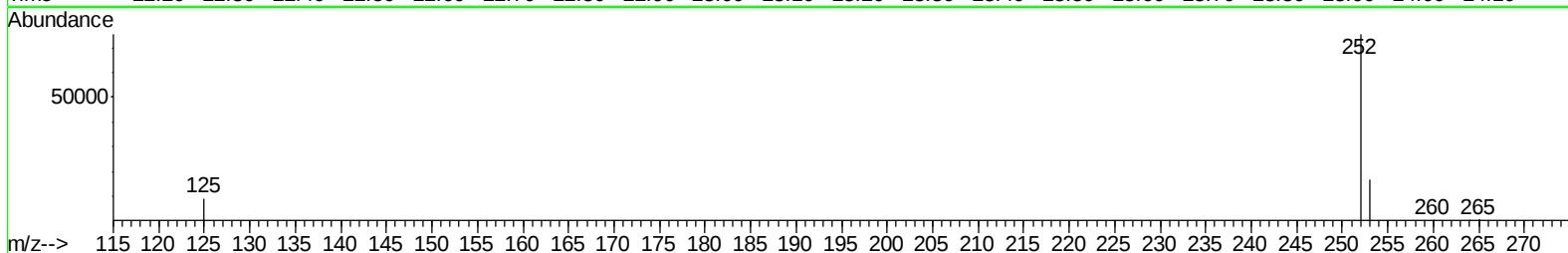
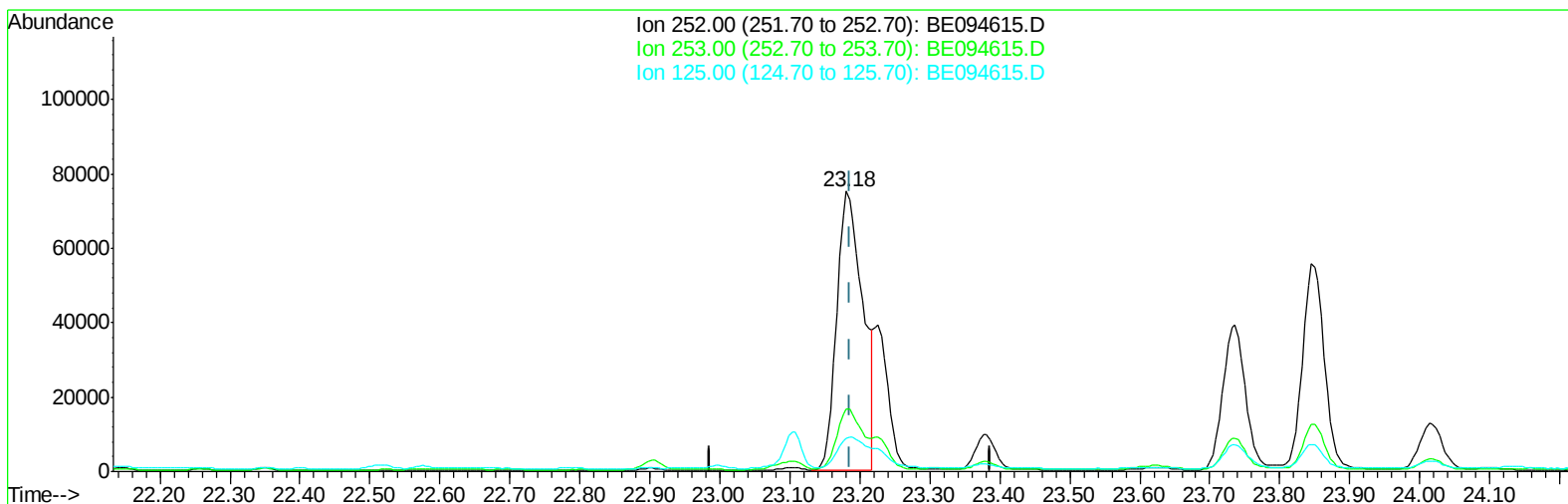
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094615.D
Acq On : 28 Oct 2017 10:25
Operator : SJ/JU
Sample : I5842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA1

Manual Integrations
APPROVED

Sohil
10/30/2017 6:37:29 PM

Quant Time: Oct 30 02:42:48 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 02:20:53 2017
Response via : Initial Calibration



TIC: BE094615.D

(21) Benzo(b)fluoranthene

23.181min (-0.006) 8.17ng/ul m

response 195635

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	22.30
125.00	17.50	11.94
0.00	0.00	0.00

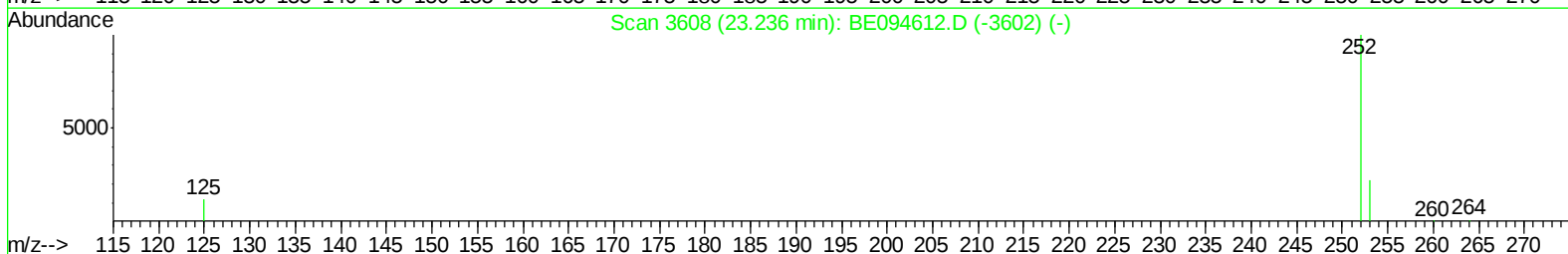
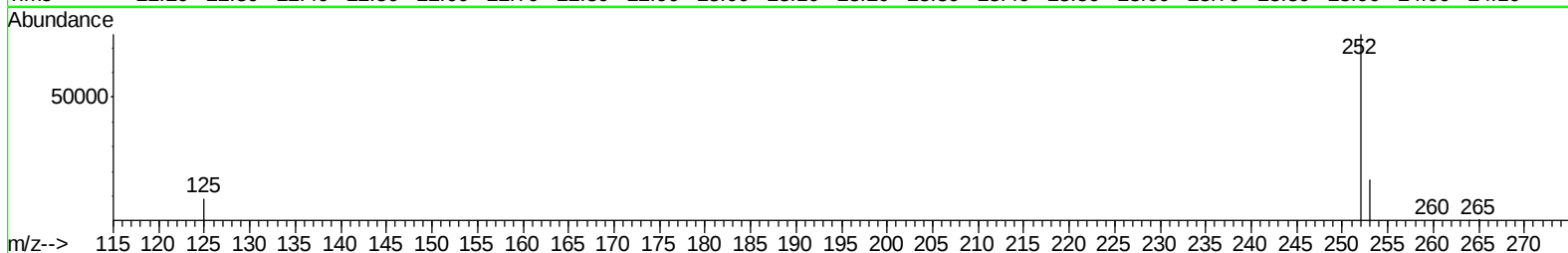
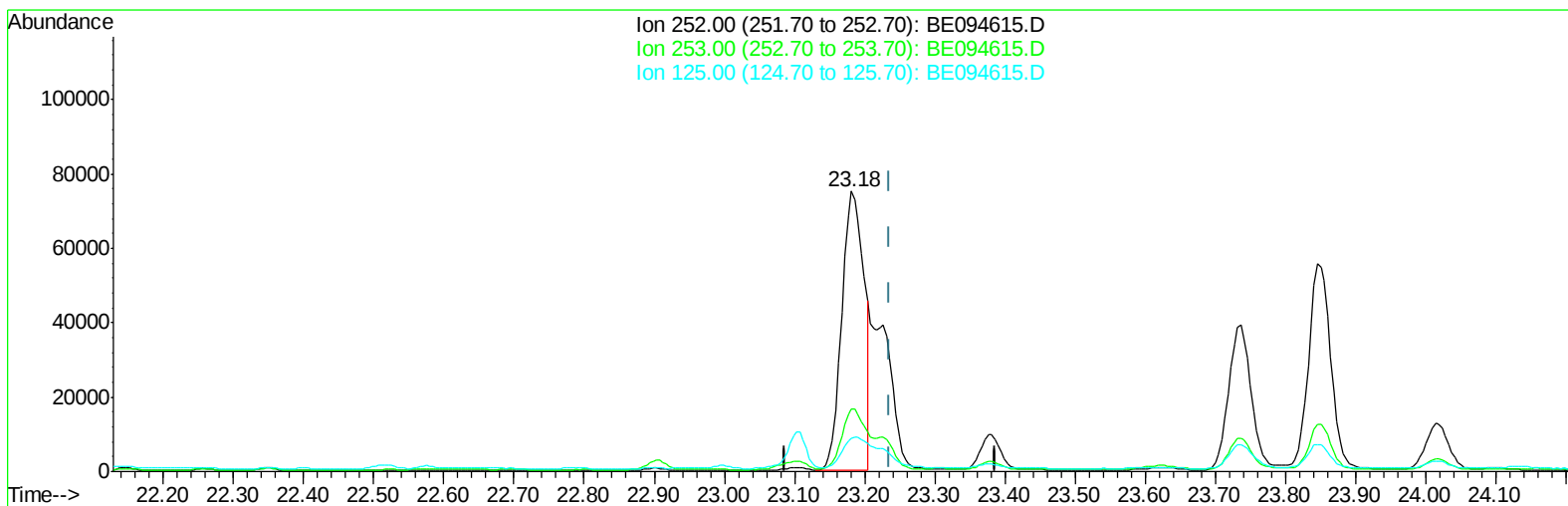
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094615.D
Acq On : 28 Oct 2017 10:25
Operator : SJ/JU
Sample : I5842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA1

Manual Integrations
APPROVED

Sohil
10/30/2017 6:37:29 PM

Quant Time: Oct 30 02:42:48 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 02:20:53 2017
Response via : Initial Calibration



TIC: BE094615.D

(22) Benzo(k)fluoranthene
23.181min (-0.056) 6.36ng/ul
response 163311

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	22.30#
125.00	17.10	11.94#
0.00	0.00	0.00

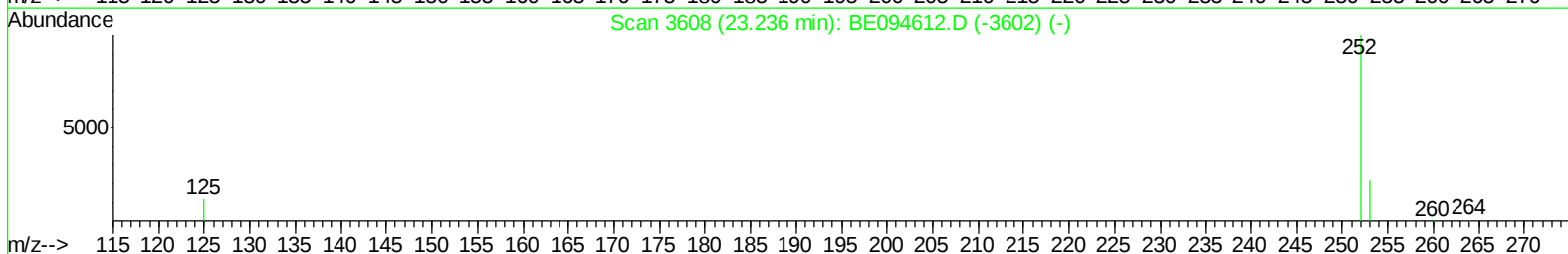
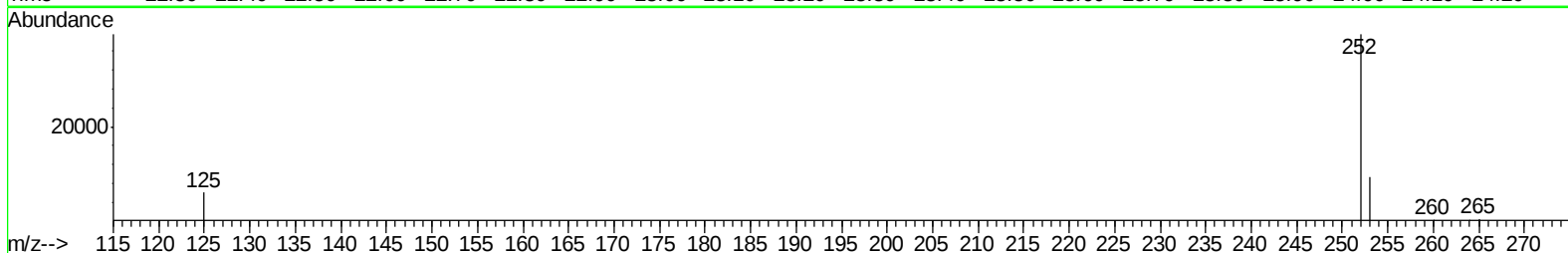
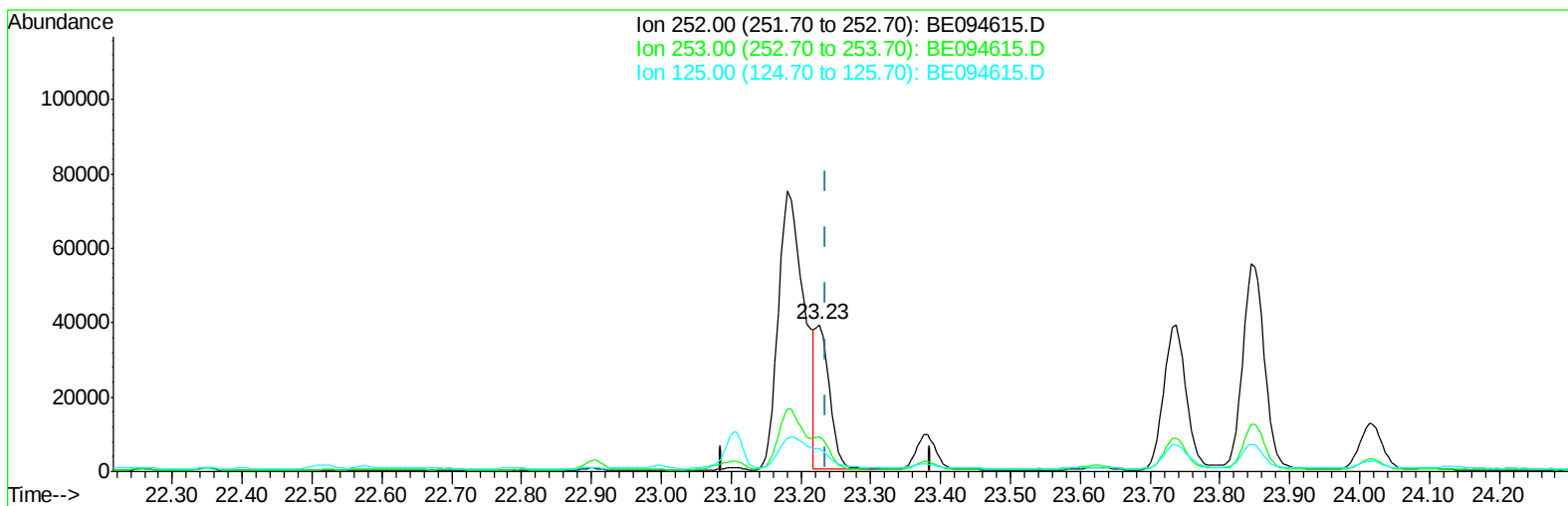
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094615.D
Acq On : 28 Oct 2017 10:25
Operator : SJ/JU
Sample : I5842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA1

Manual Integrations
APPROVED

Sohil
10/30/2017 6:37:29 PM

Quant Time: Oct 30 02:42:48 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 02:20:53 2017
Response via : Initial Calibration



TIC: BE094615.D

(22) Benzo(k)fluoranthene

23.226min (-0.010) 2.09ng/ul m

response 53769

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.49#
125.00	17.10	15.24
0.00	0.00	0.00

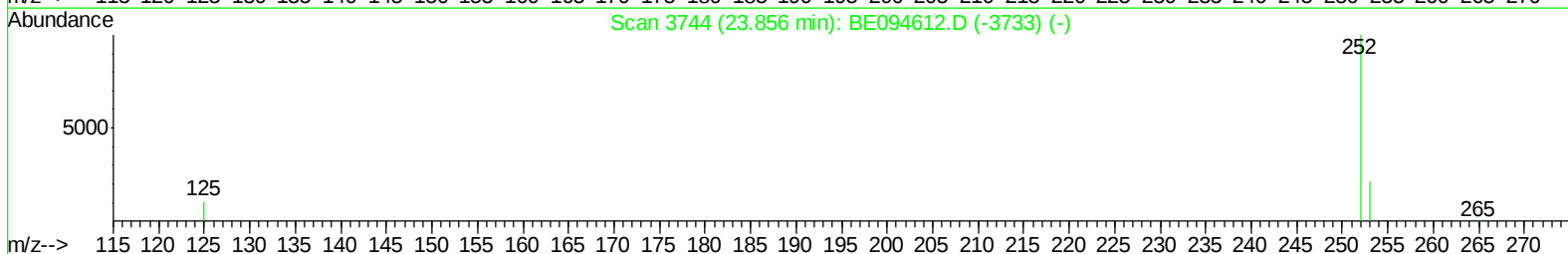
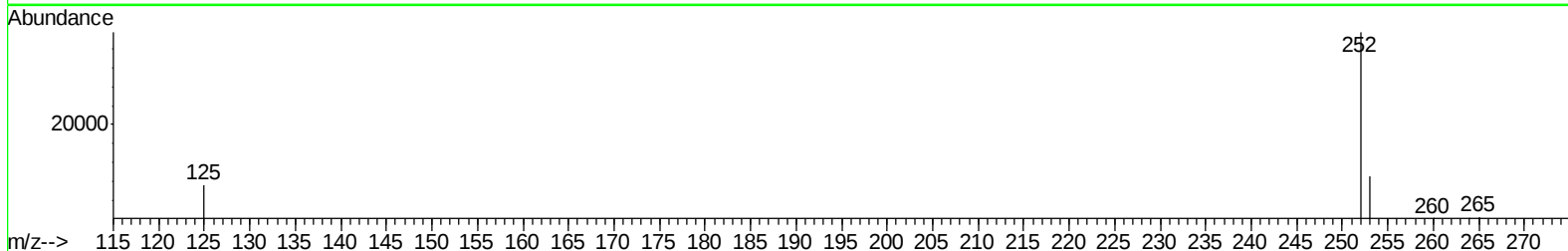
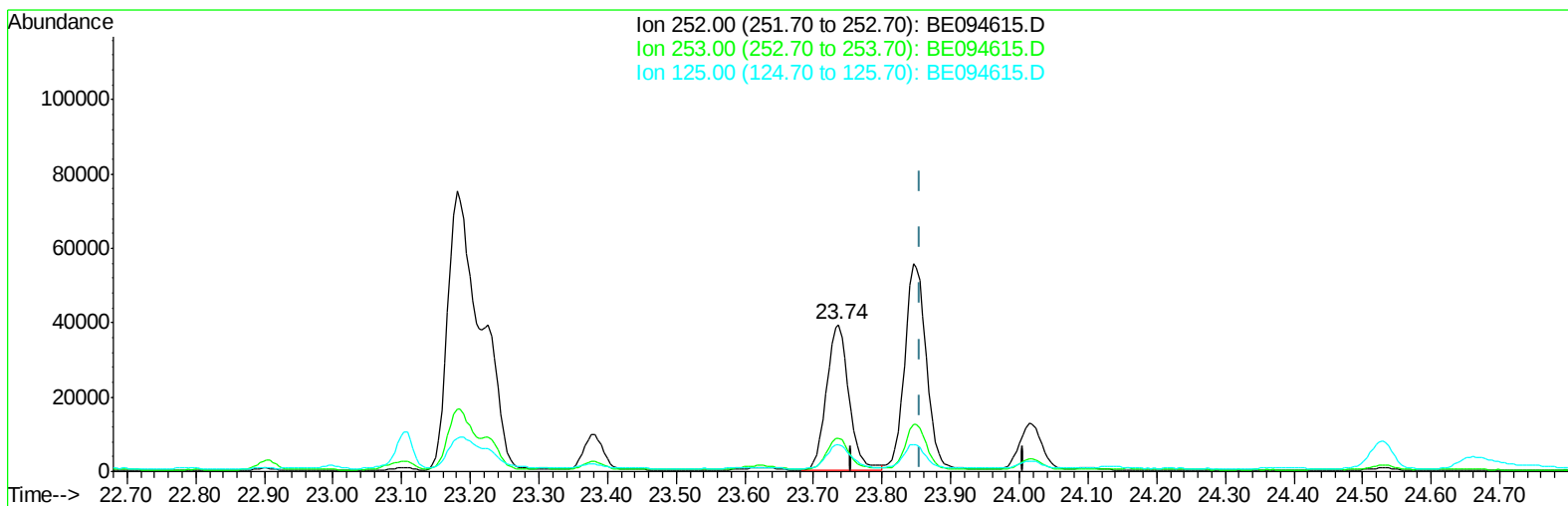
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094615.D
Acq On : 28 Oct 2017 10:25
Operator : SJ/JU
Sample : I5842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA1

Manual Integrations
APPROVED

Sohil
10/30/2017 6:37:29 PM

Quant Time: Oct 30 02:42:48 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 02:20:53 2017
Response via : Initial Calibration



TIC: BE094615.D

(23) Benzo(a)pyrene (C)

23.736min (-0.119) 3.71ng/ul

response 88884

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	23.06#
125.00	22.60	18.62
0.00	0.00	0.00

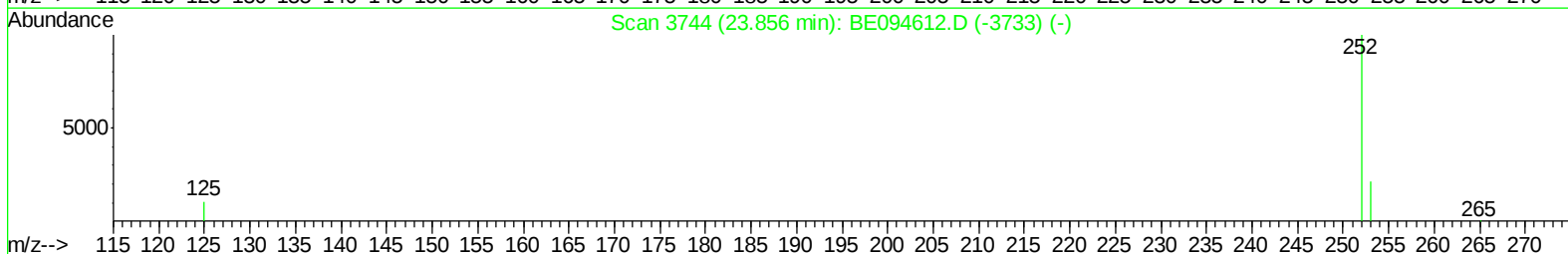
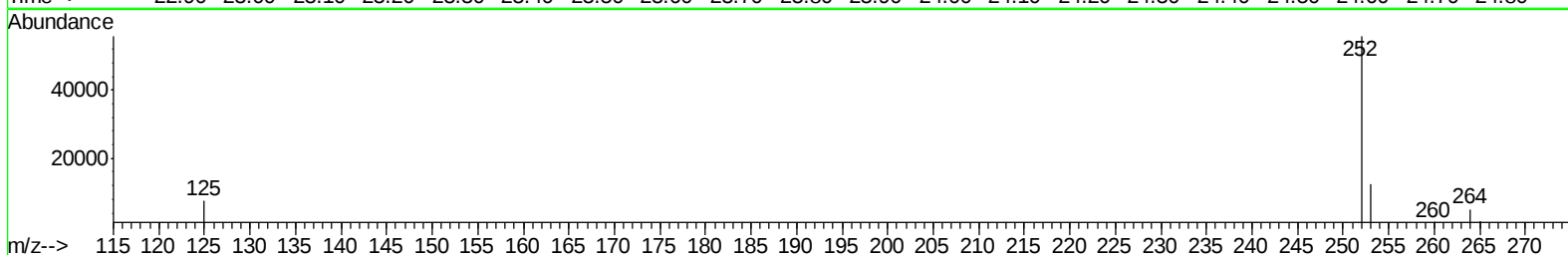
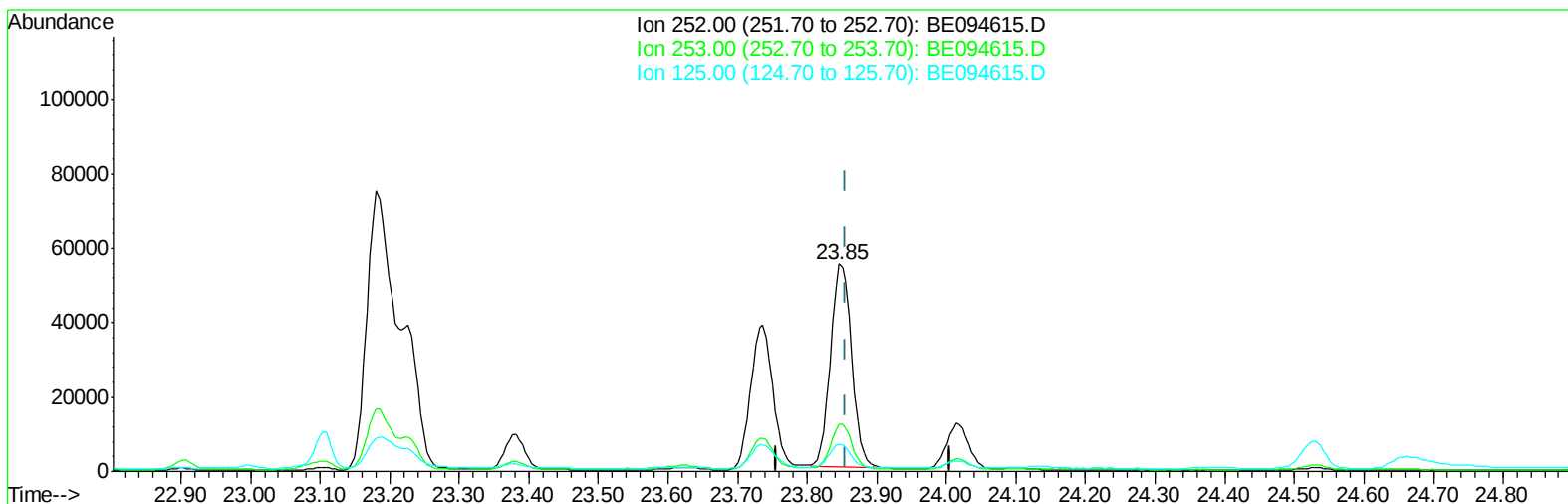
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094615.D
Acq On : 28 Oct 2017 10:25
Operator : SJ/JU
Sample : I5842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA1

Manual Integrations
APPROVED

Sohil
10/30/2017 6:37:29 PM

Quant Time: Oct 30 02:42:48 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 02:20:53 2017
Response via : Initial Calibration



TIC: BE094615.D

(23) Benzo(a)pyrene (C)

23.846min (-0.010) 4.82ng/ul m

response 115477

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	22.55#
125.00	22.60	13.22#
0.00	0.00	0.00

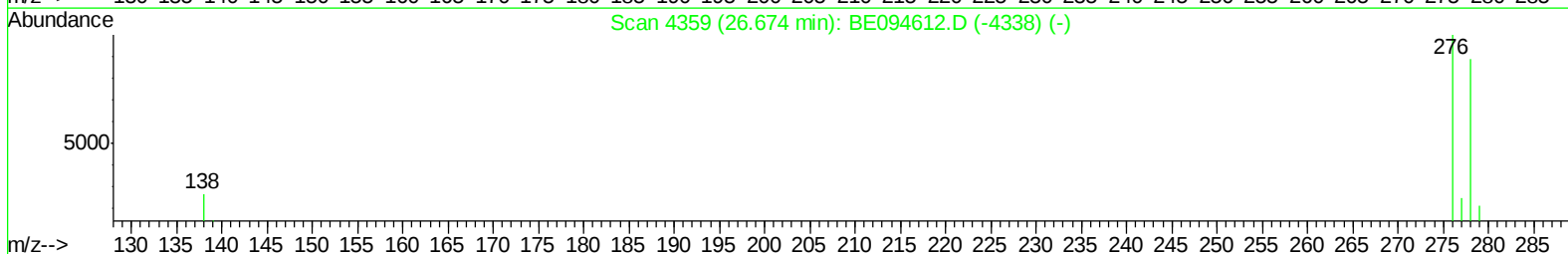
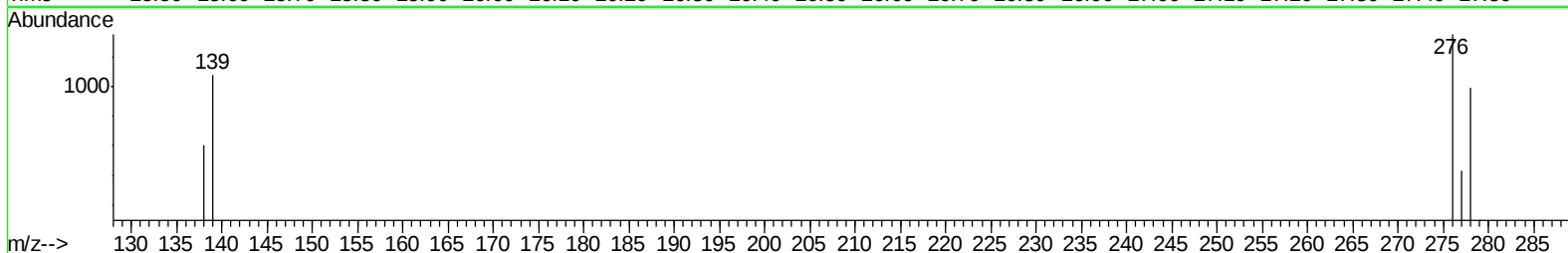
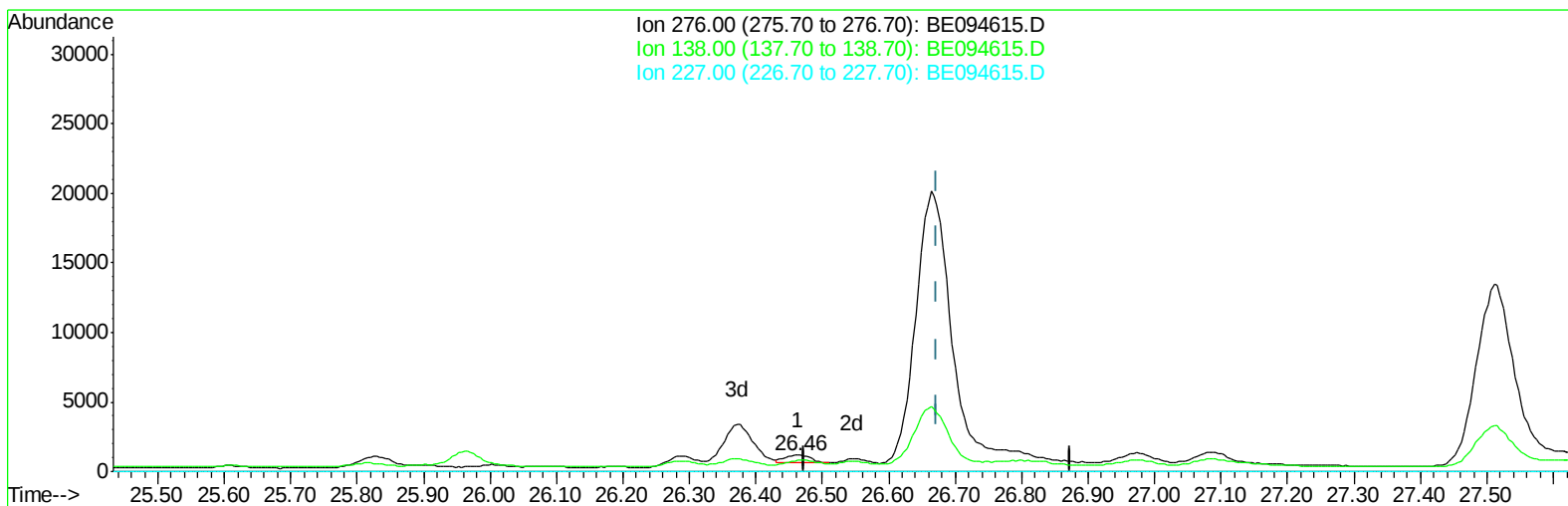
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094615.D
Acq On : 28 Oct 2017 10:25
Operator : SJ/JU
Sample : I5842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA1

Manual Integrations
APPROVED

Sohil
10/30/2017 6:37:29 PM

Quant Time: Oct 30 02:42:48 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 02:20:53 2017
Response via : Initial Calibration



TIC: BE094615.D

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

26.463min (-0.211) 0.06ng/ul

response 1512

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	60.85#
227.00	10.00	0.00#
0.00	0.00	0.00

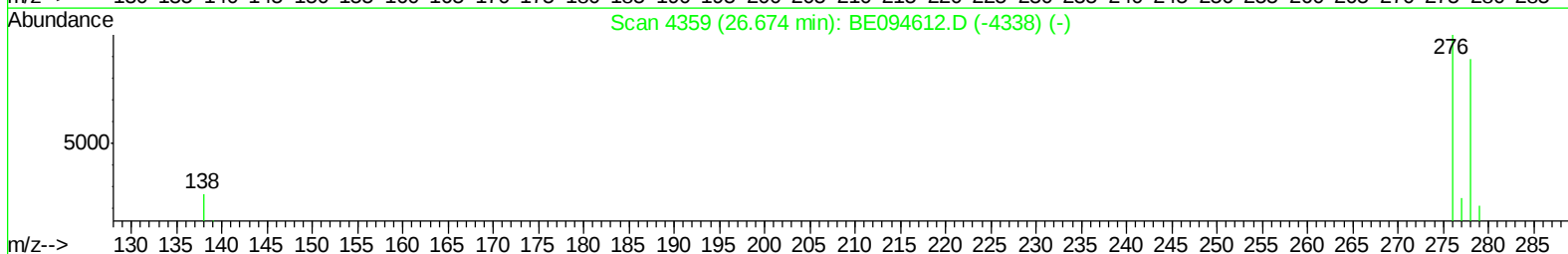
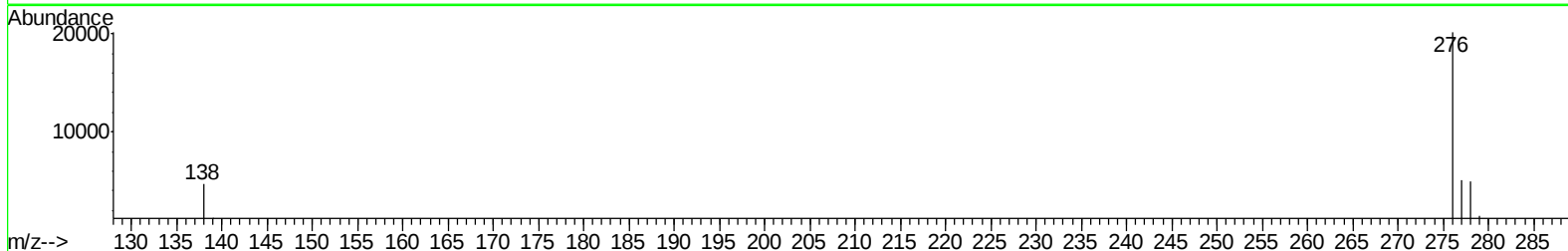
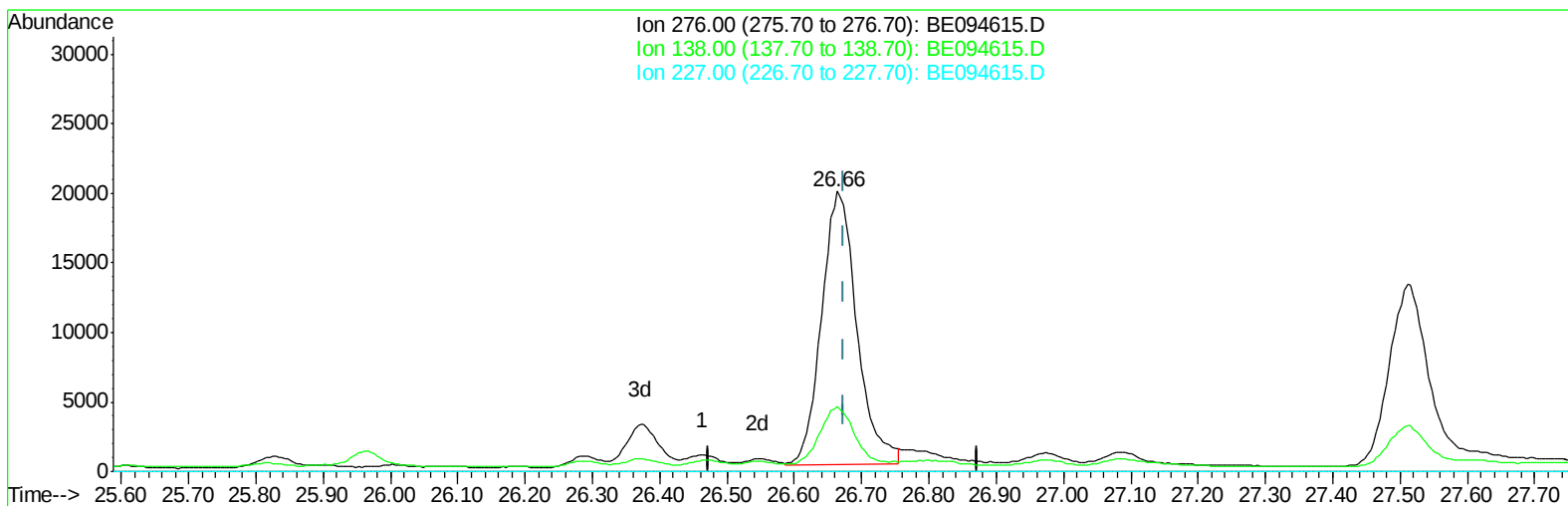
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094615.D
Acq On : 28 Oct 2017 10:25
Operator : SJ/JU
Sample : I5842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA1

Manual Integrations
APPROVED

Sohil
10/30/2017 6:37:29 PM

Quant Time: Oct 30 02:42:48 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 02:20:53 2017
Response via : Initial Calibration



TIC: BE094615.D

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

26.663min (-0.010) 2.88ng/ul m

response 71420

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	1.29#
227.00	10.00	0.00#
0.00	0.00	0.00

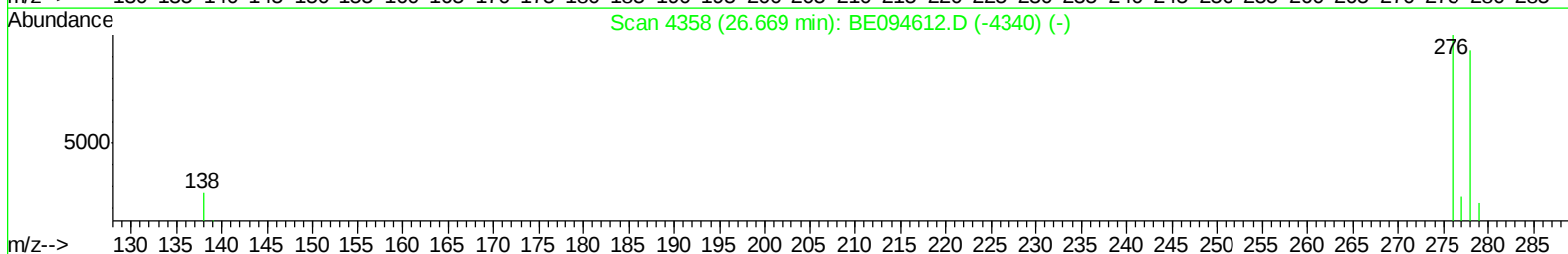
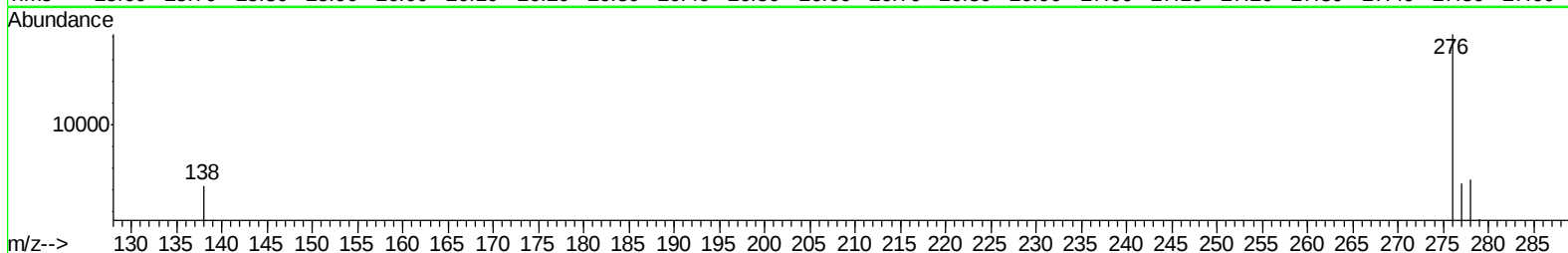
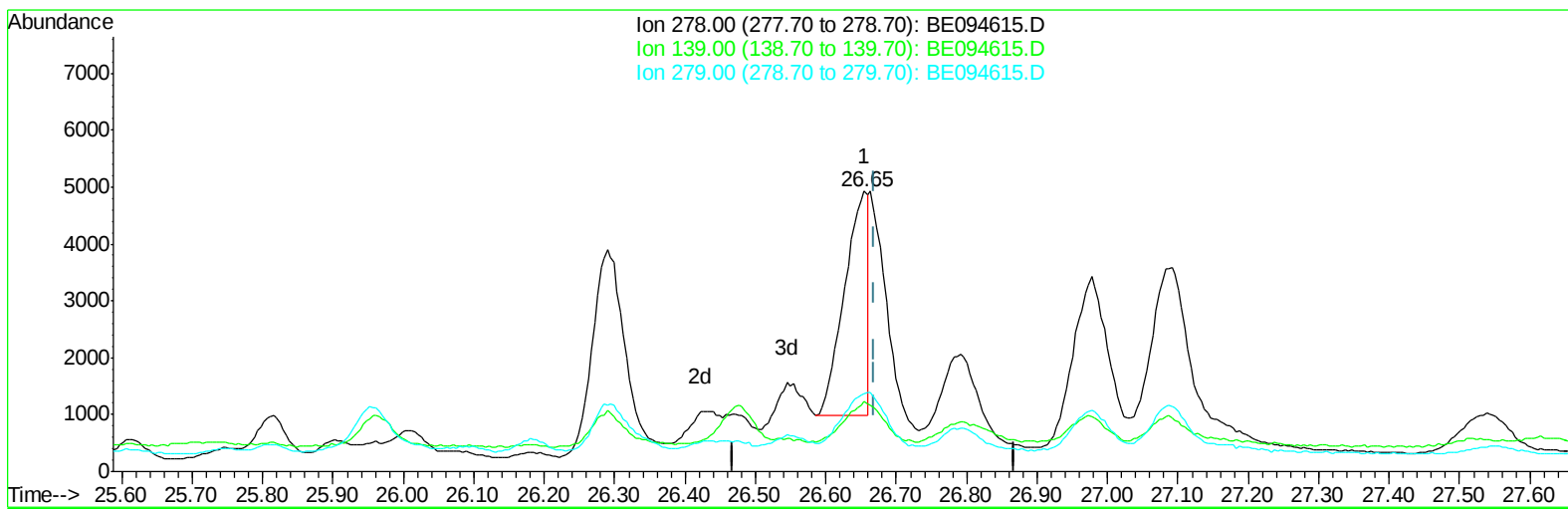
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094615.D
Acq On : 28 Oct 2017 10:25
Operator : SJ/JU
Sample : I5842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA1

Manual Integrations
APPROVED

Sohil
10/30/2017 6:37:29 PM

Quant Time: Oct 30 02:42:48 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 02:20:53 2017
Response via : Initial Calibration



TIC: BE094615.D

(25) Dibenzo(a,h)anthracene

26.654min (-0.015) 0.43ng/ul

response 8990

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	25.09
279.00	32.40	27.79
0.00	0.00	0.00

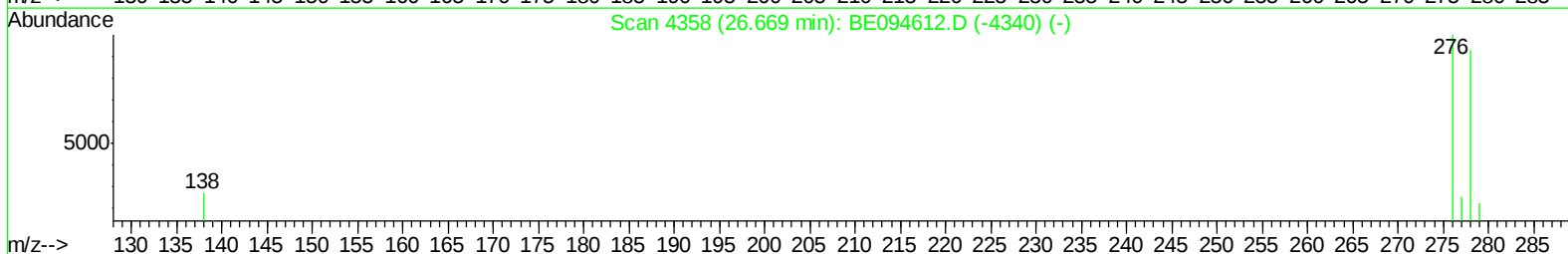
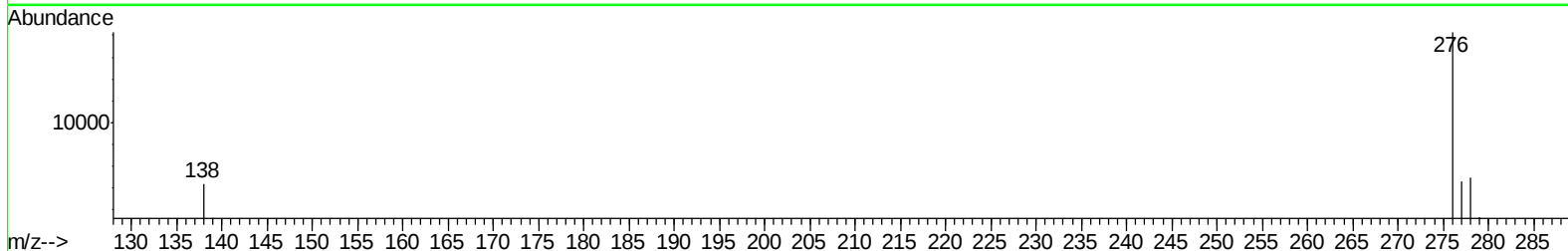
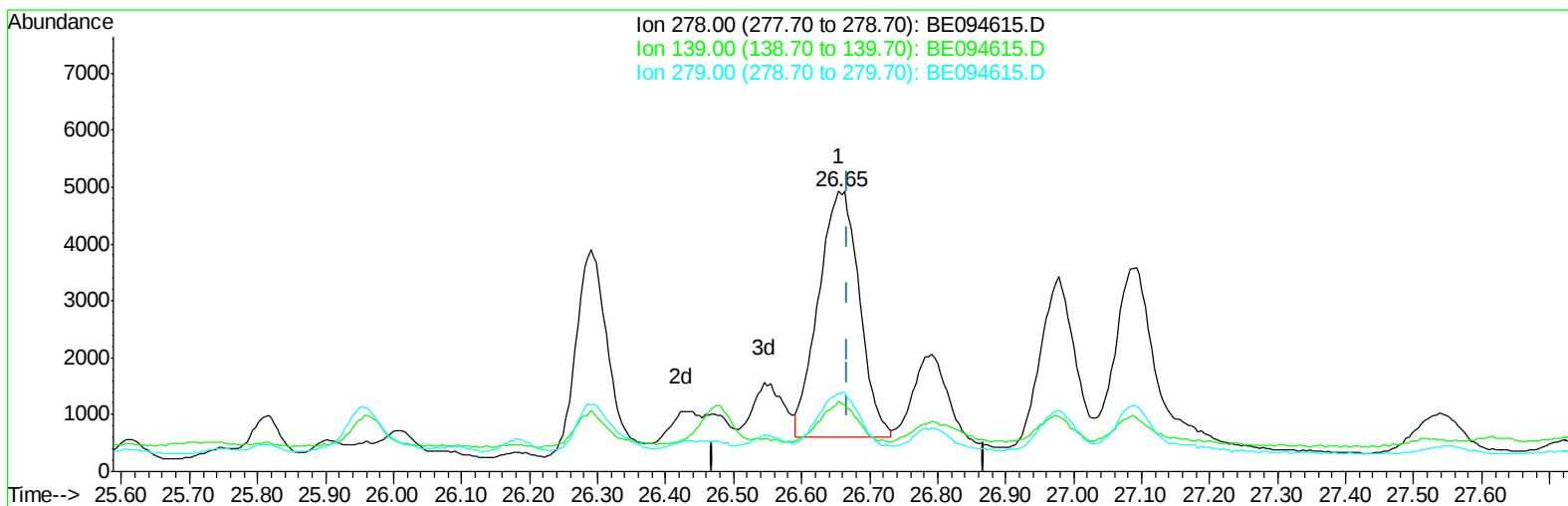
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094615.D
Acq On : 28 Oct 2017 10:25
Operator : SJ/JU
Sample : I5842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA1

Manual Integrations
APPROVED

Sohil
10/30/2017 6:37:29 PM

Quant Time: Oct 30 02:42:48 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 02:20:53 2017
Response via : Initial Calibration



TIC: BE094615.D

(25) Dibenzo(a,h)anthracene

26.654min (-0.015) 0.86ng/ul m

response 18036

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	25.09
279.00	32.40	27.79
0.00	0.00	0.00

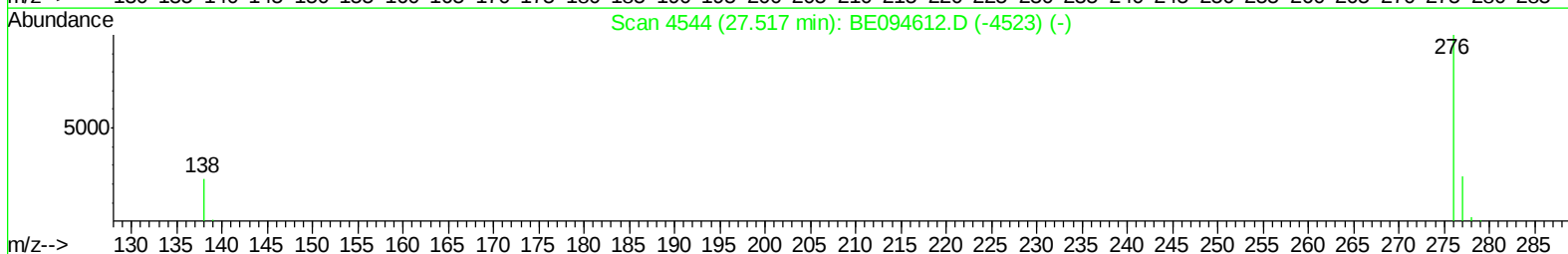
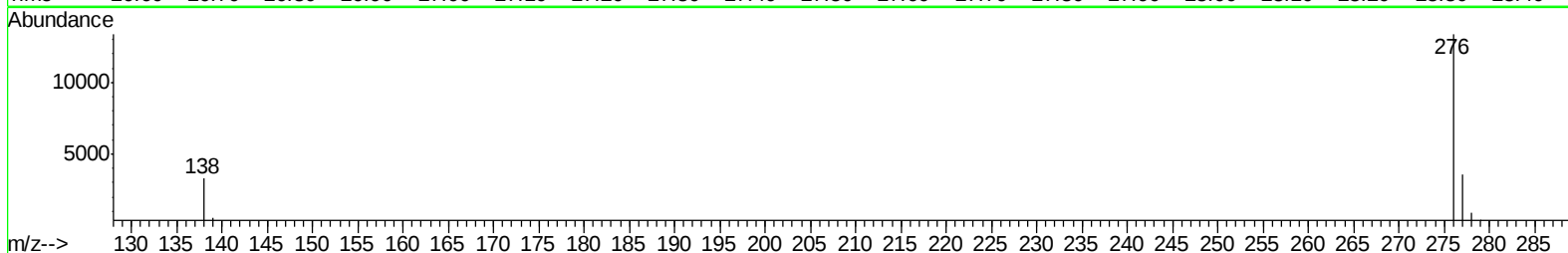
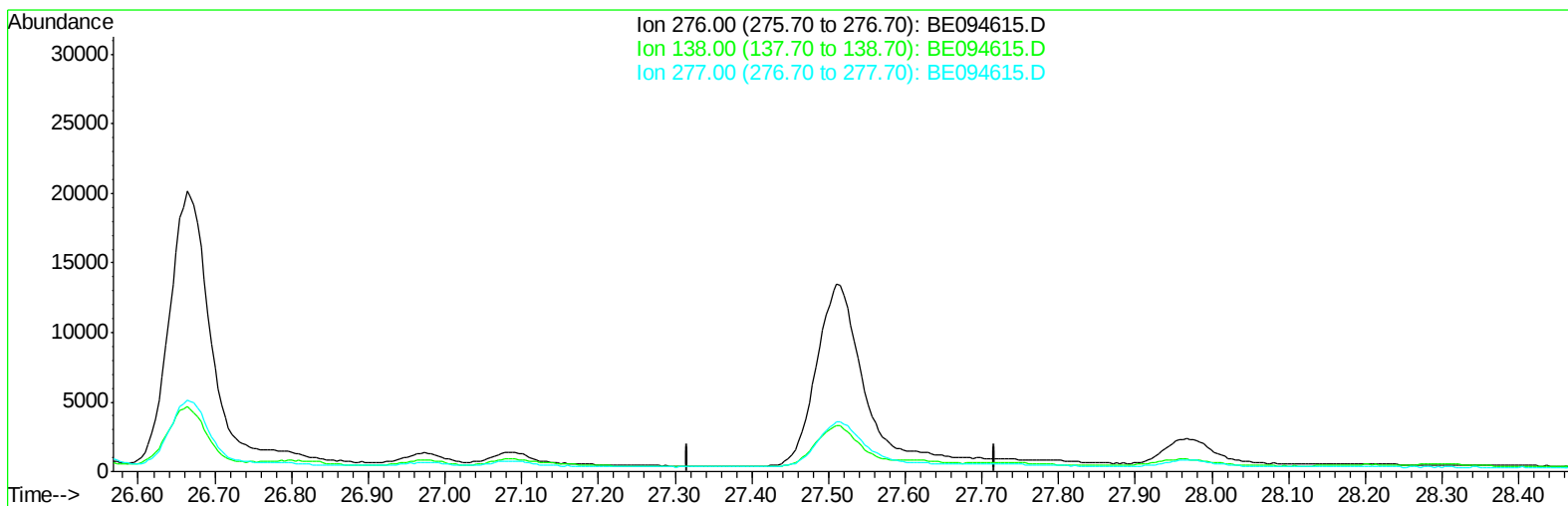
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094615.D
Acq On : 28 Oct 2017 10:25
Operator : SJ/JU
Sample : I5842-01
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ALS Vial : 19 Sample Multiplier: 1

Instrument :
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Manual Integrations
APPROVED

Sohil
10/30/2017 6:37:29 PM

Quant Time: Oct 30 02:42:48 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 02:20:53 2017
Response via : Initial Calibration



TIC: BE094615.D

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

27.517min (-27.517) 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

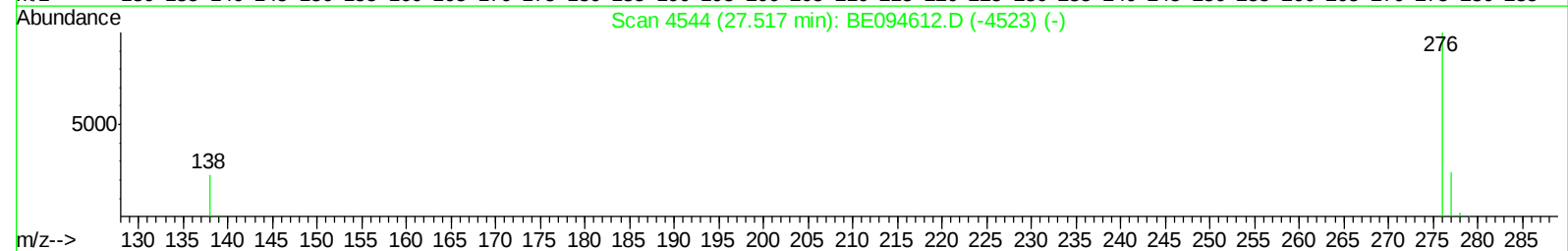
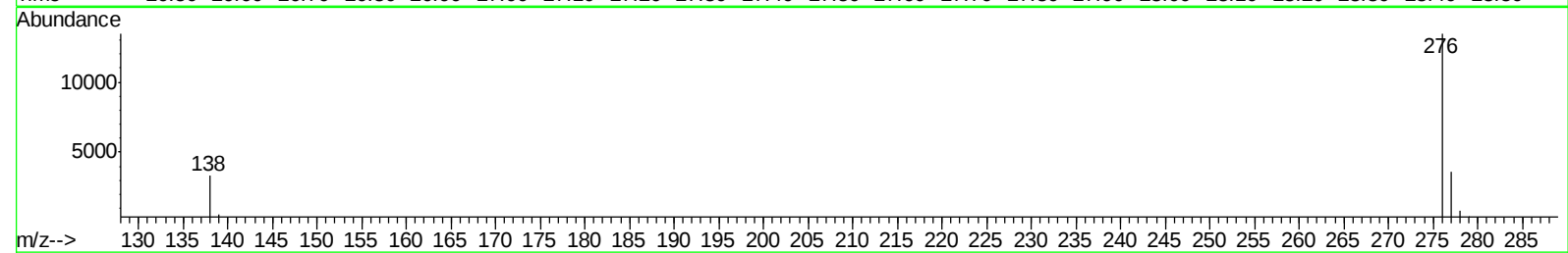
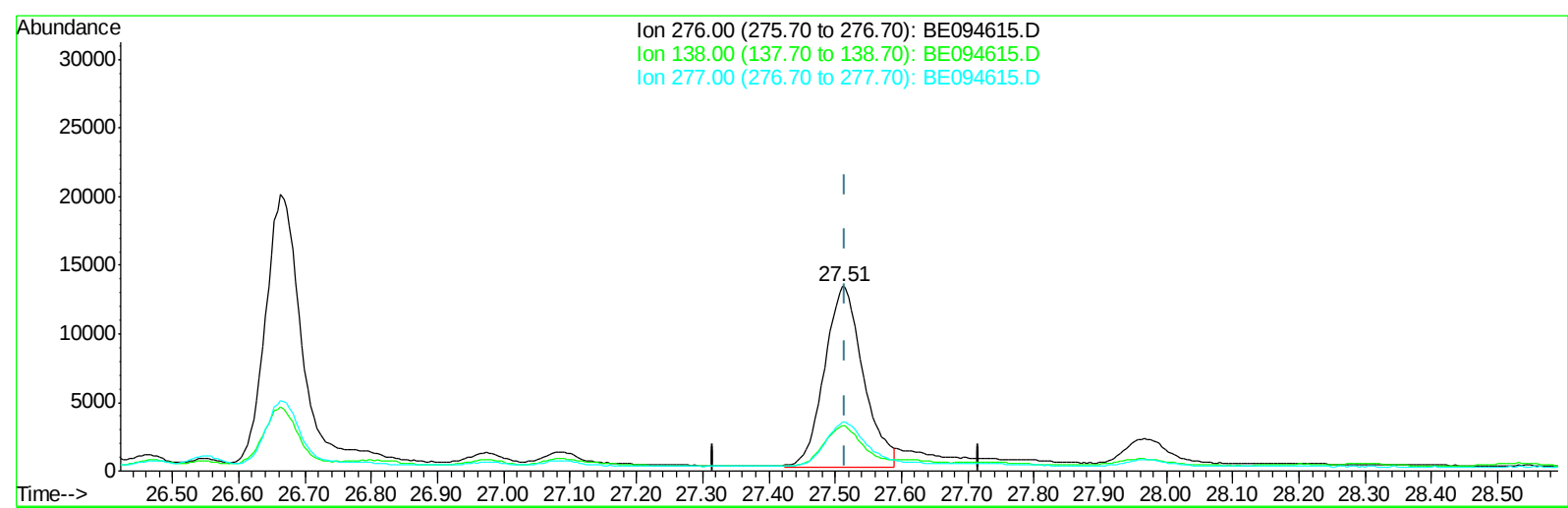
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094615.D
Acq On : 28 Oct 2017 10:25
Operator : SJ/JU
Sample : I5842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AA1

Manual Integrations
APPROVED

Sohil
10/30/2017 6:37:29 PM

Quant Time: Oct 30 02:42:48 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 02:20:53 2017
Response via : Initial Calibration



TIC: BE094615.D

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

27.511min (-0.006) 2.70ng/ul m

response 53631

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	24.52
277.00	25.60	26.47
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
 Data File : BE094615.D
 Acq On : 28 Oct 2017 10:25
 Operator : SJ/JU
 Sample : I5842-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AA1

Manual Integrations
 APPROVED

Sohil
 10/30/2017 6:37:29 PM

Quant Time: Oct 30 02:45:06 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 30 02:20:53 2017
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1131	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.69	136	7056	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.51	164	4072	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	8884	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	9176	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	8515m	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	2986	0.26	ng/ul	-0.01
14) Fluoranthene-d10	19.28	212	7607	0.29	ng/ul	0.00
Target Compounds						Ovalue
3) Naphthalene	10.74	128	976	0.06	ng/ul#	85
5) 2-Methylnaphthalene	12.35	142	856	0.07	ng/ul	99
7) Acenaphthylene	14.24	152	771	0.04	ng/ul#	72
8) Acenaphthene	14.57	153	3548	0.27	ng/ul	97
9) Fluorene	15.56	166	3133	0.21	ng/ul	91
12) Phenanthrene	17.29	178	98648	4.20	ng/ul#	91
13) Anthracene	17.38	178	13572	0.59	ng/ul#	90
15) Fluoranthene	19.31	202	283244	10.44	ng/ul	84
17) Pyrene	19.67	202	248749	8.77	ng/ul#	79
18) Benzo(a)anthracene	21.41	228	119483	4.55	ng/ul#	87
19) Chrysene	21.46	228	131625	4.85	ng/ul	99
21) Benzo(b)fluoranthene	23.18	252	195635m	8.17	ng/ul	
22) Benzo(k)fluoranthene	23.23	252	53769m	2.09	ng/ul	
23) Benzo(a)pyrene	23.85	252	115477m	4.82	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.66	276	71420m	2.88	ng/ul	
25) Dibenzo(a,h)anthracene	26.65	278	18036m	0.86	ng/ul	
26) Benzo(a,h,i)perylene	27.51	276	53631m	2.70	ng/ul	

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

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