

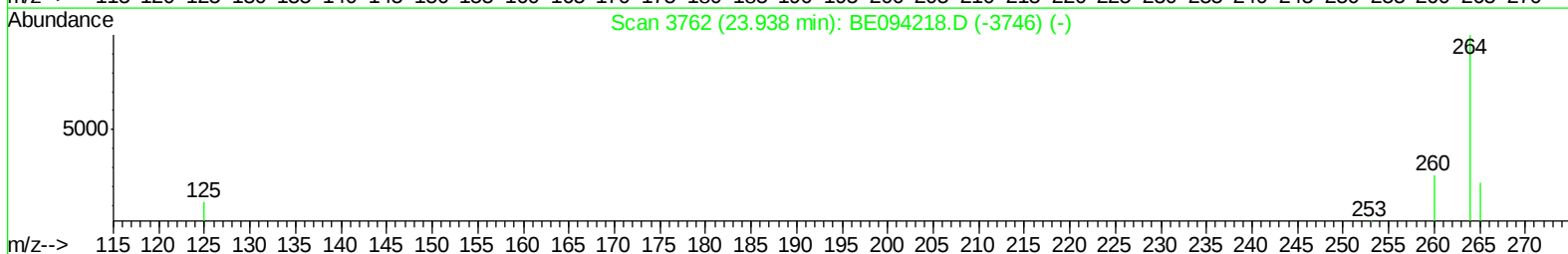
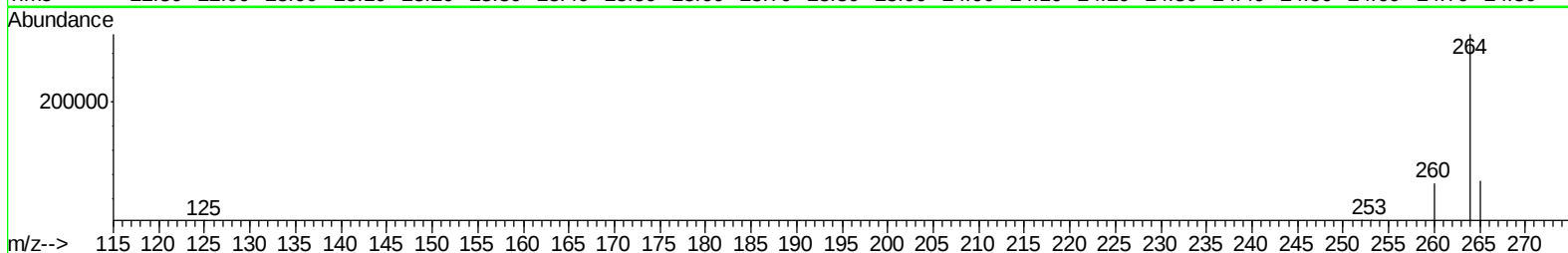
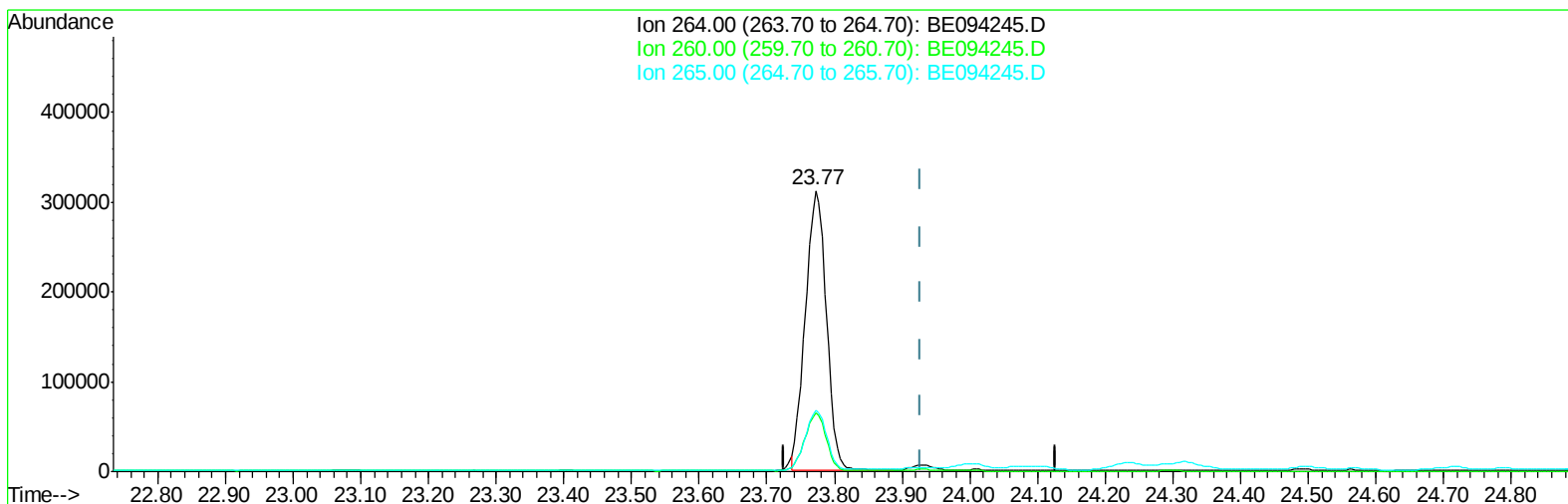
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094245.D
Acq On : 10 Oct 2017 6:05
Operator : SJ/JU
Sample : I5533-07
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DUP-1

Manual Integrations
APPROVED

Sohil
10/11/2017 9:24:22 AM

Quant Time: Oct 10 08:53:48 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration



TIC: BE094245.D

(20) Perylene-d12 (I)

23.773min (-0.155) 0.40ng/ul

response 672637

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.88#
265.00	103.50	21.99#
0.00	0.00	0.00

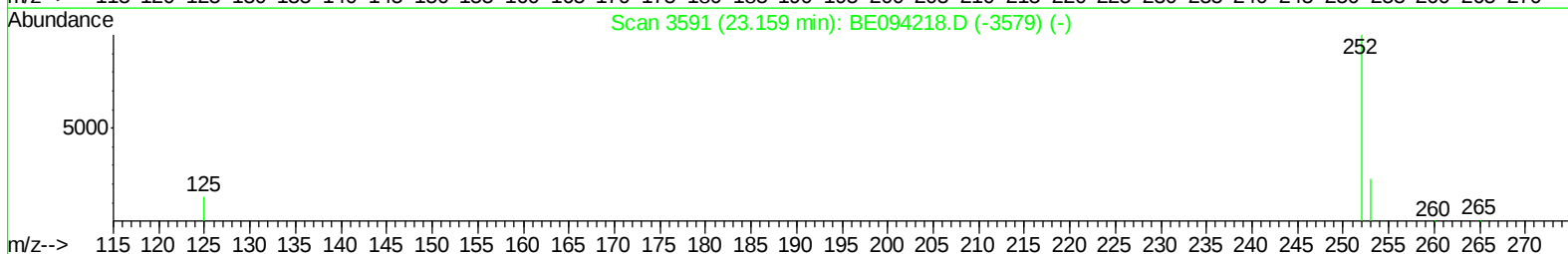
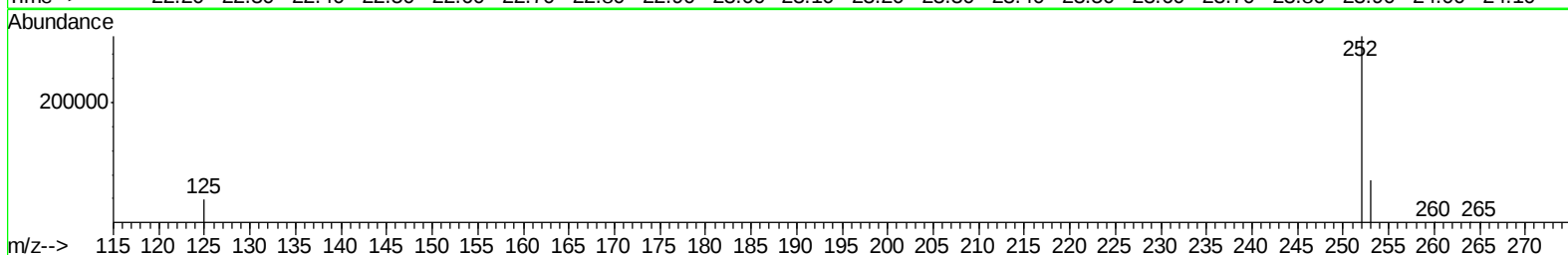
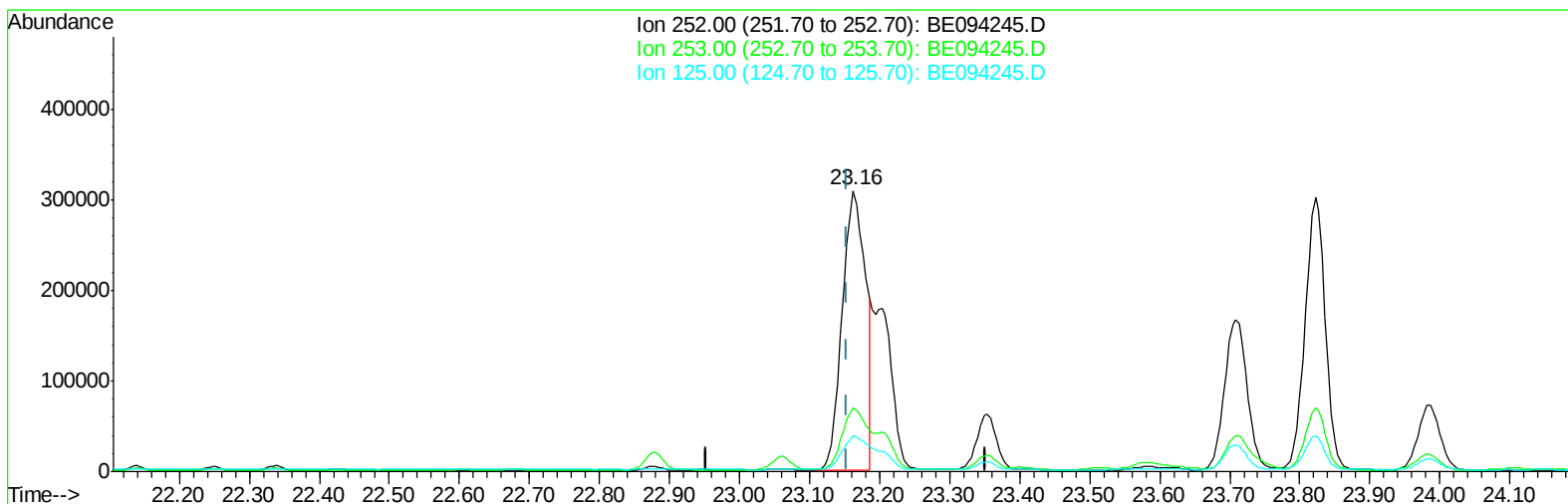
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094245.D
Acq On : 10 Oct 2017 6:05
Operator : SJ/JU
Sample : I5533-07
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DUP-1

Manual Integrations
APPROVED

Sohil
10/11/2017 9:24:22 AM

Quant Time: Oct 10 11:31:14 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration



TIC: BE094245.D

(21) Benzo(b)fluoranthene

23.162min (+0.009) 17.60ng/ul

response 706412

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	22.88
125.00	17.50	12.64
0.00	0.00	0.00

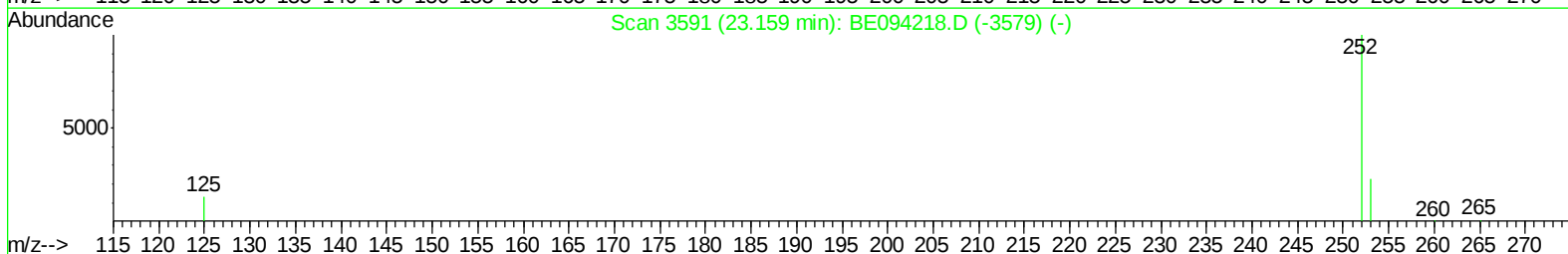
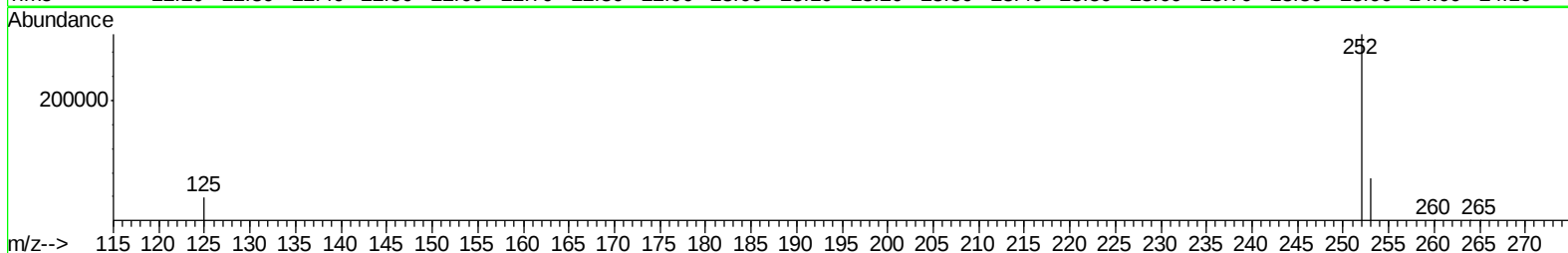
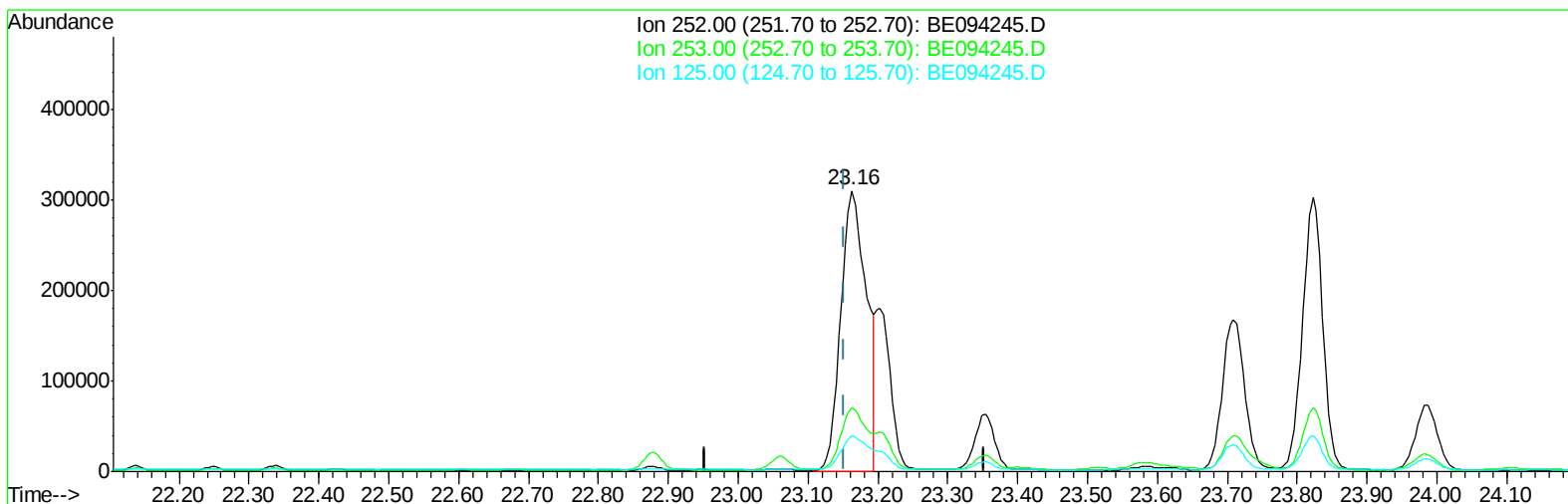
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094245.D
Acq On : 10 Oct 2017 6:05
Operator : SJ/JU
Sample : I5533-07
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DUP-1

Manual Integrations
APPROVED

Sohil
10/11/2017 9:24:22 AM

Quant Time: Oct 10 11:31:14 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration



TIC: BE094245.D

(21) Benzo(b)fluoranthene

23.162min (+0.009) 20.19ng/ul m

response 810255

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	22.88
125.00	17.50	12.64
0.00	0.00	0.00

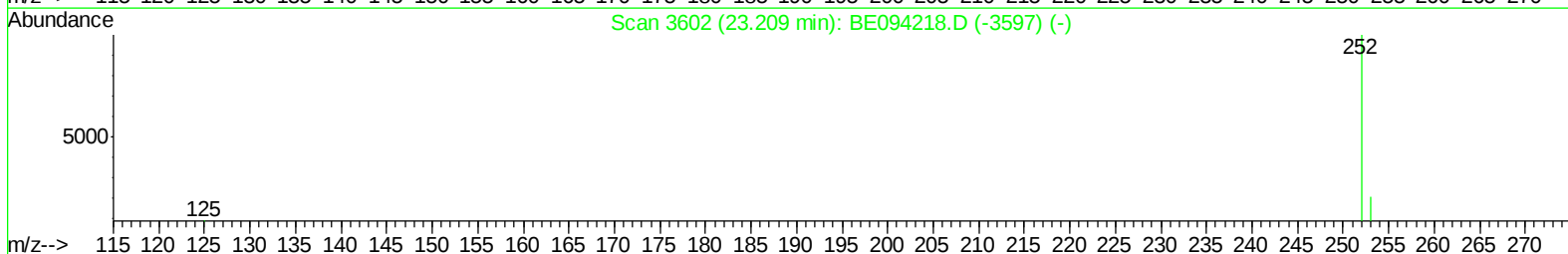
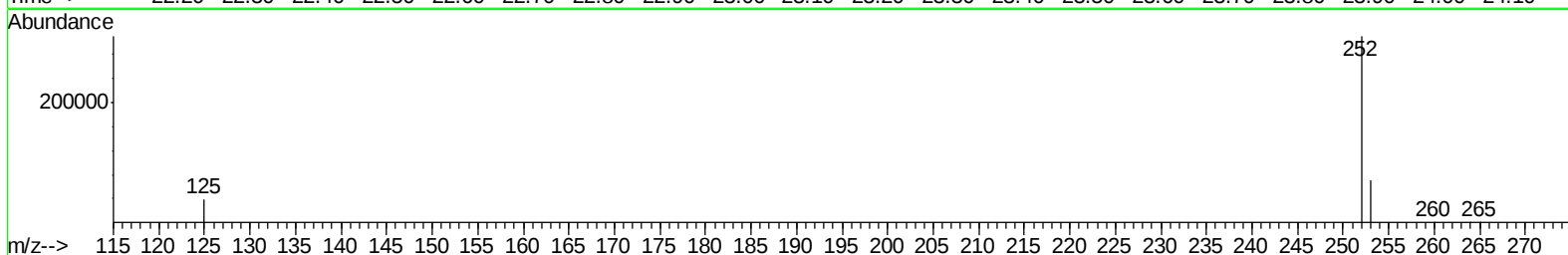
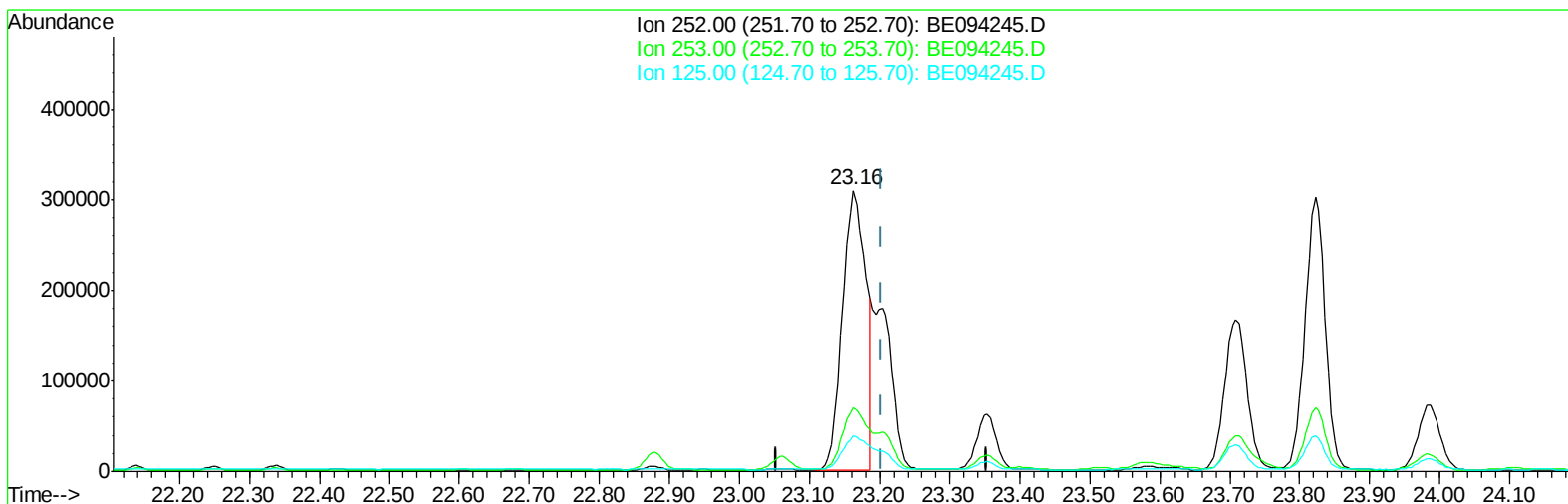
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094245.D
Acq On : 10 Oct 2017 6:05
Operator : SJ/JU
Sample : I5533-07
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DUP-1

Manual Integrations
APPROVED

Sohil
10/11/2017 9:24:22 AM

Quant Time: Oct 10 11:31:14 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration



TIC: BE094245.D

(22) Benzo(k)fluoranthene

23.162min (-0.041) 15.23ng/ul

response 706412

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	22.88#
125.00	17.10	12.64#
0.00	0.00	0.00

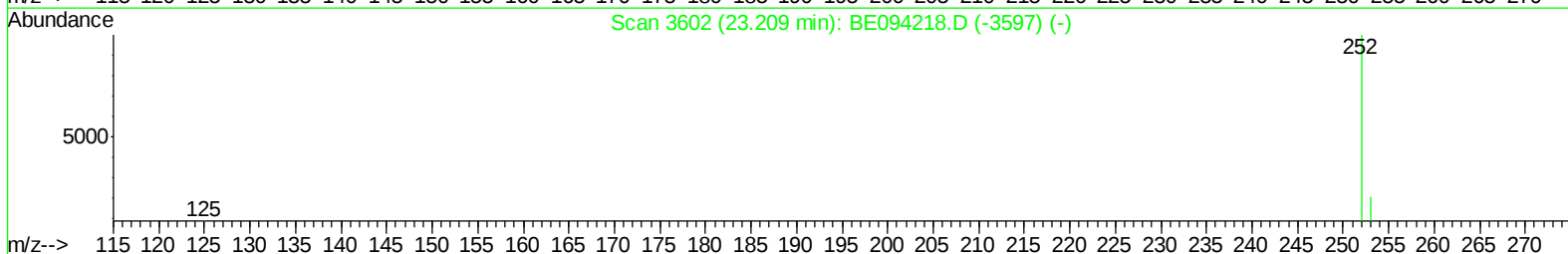
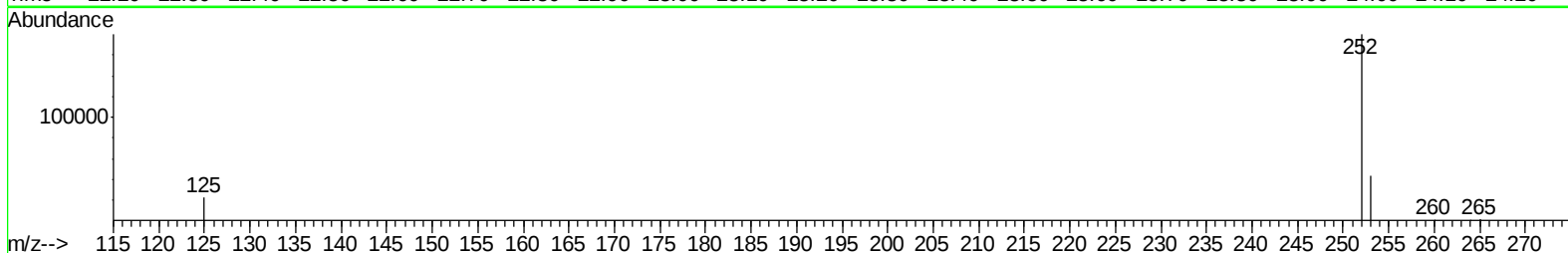
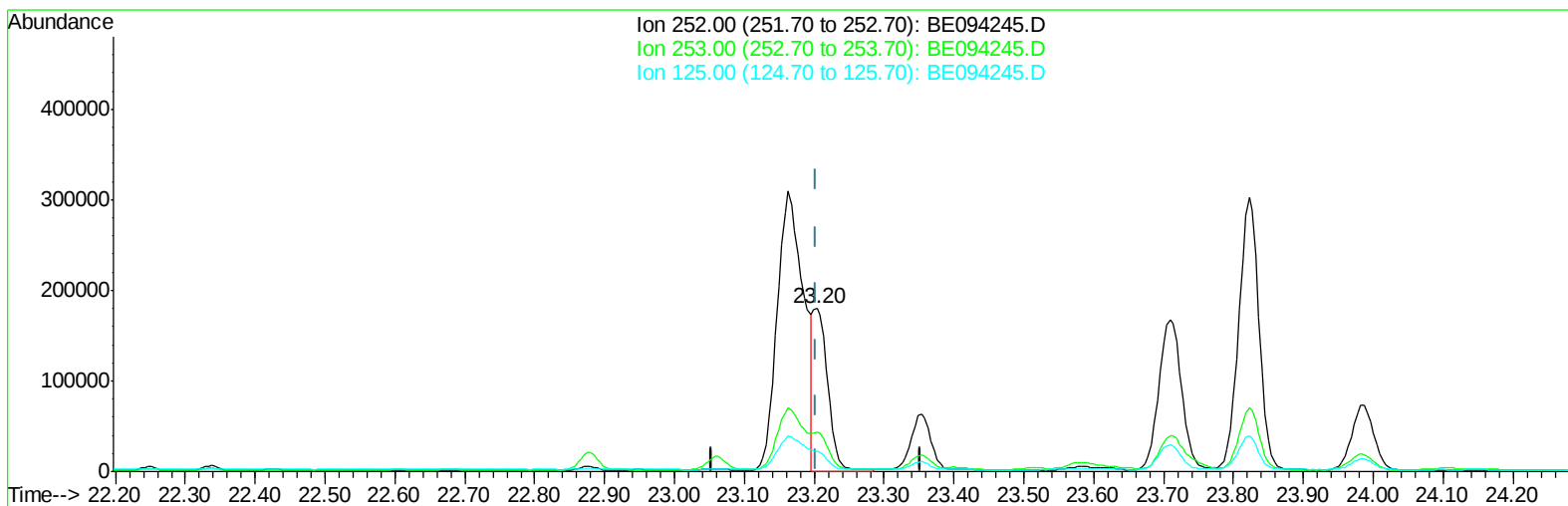
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094245.D
Acq On : 10 Oct 2017 6:05
Operator : SJ/JU
Sample : I5533-07
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DUP-1

Manual Integrations
APPROVED

Sohil
10/11/2017 9:24:22 AM

Quant Time: Oct 10 11:31:14 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration



TIC: BE094245.D

(22) Benzo(k)fluoranthene

23.203min (+0.000) 5.83ng/ul m

response 270517

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.95#
125.00	17.10	12.59#
0.00	0.00	0.00

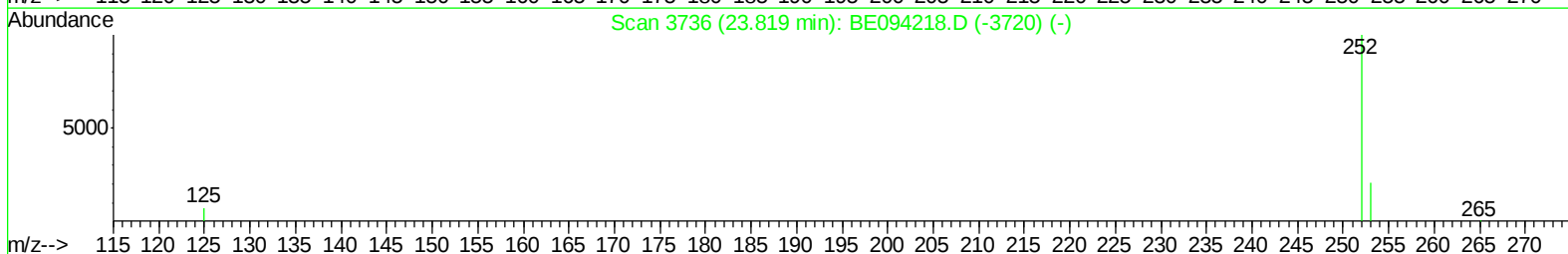
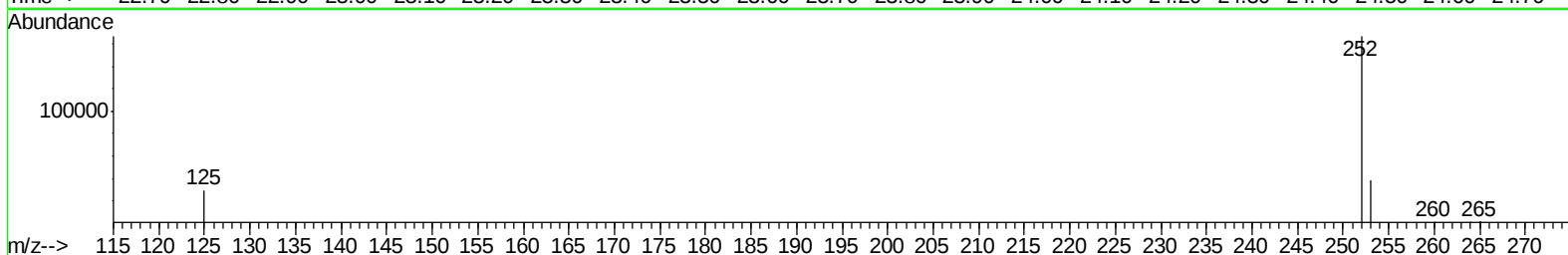
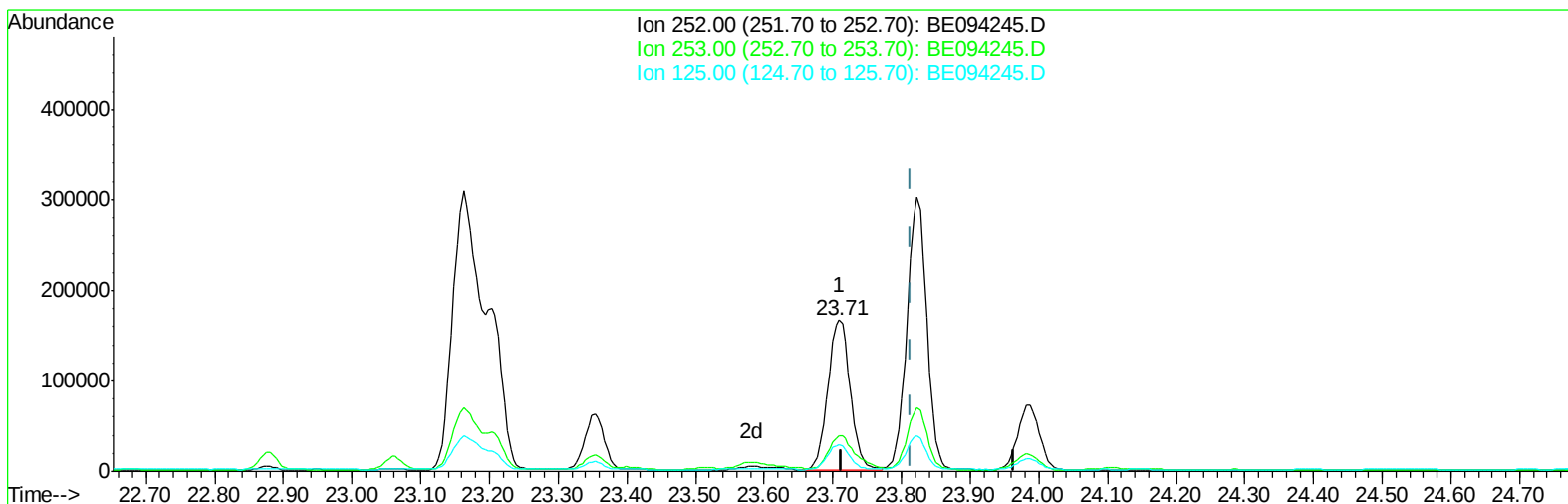
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094245.D
Acq On : 10 Oct 2017 6:05
Operator : SJ/JU
Sample : I5533-07
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DUP-1

Manual Integrations
APPROVED

Sohil
10/11/2017 9:24:22 AM

Quant Time: Oct 10 11:31:14 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration



TIC: BE094245.D

(23) Benzo(a)pyrene (C)

23.709min (-0.105) 8.98ng/ul

response 374600

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	23.21#
125.00	22.60	17.63#
0.00	0.00	0.00

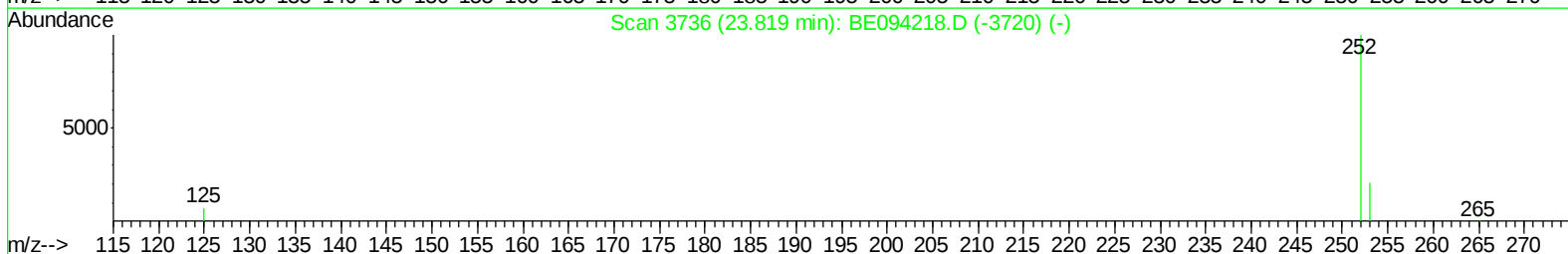
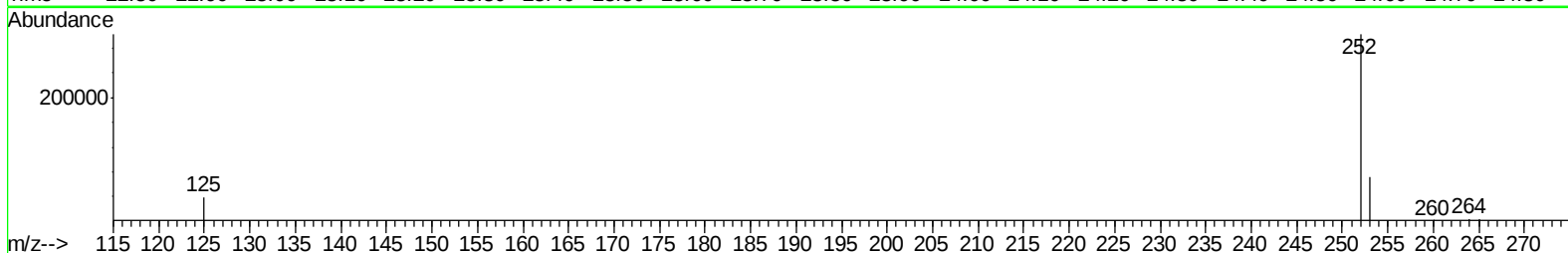
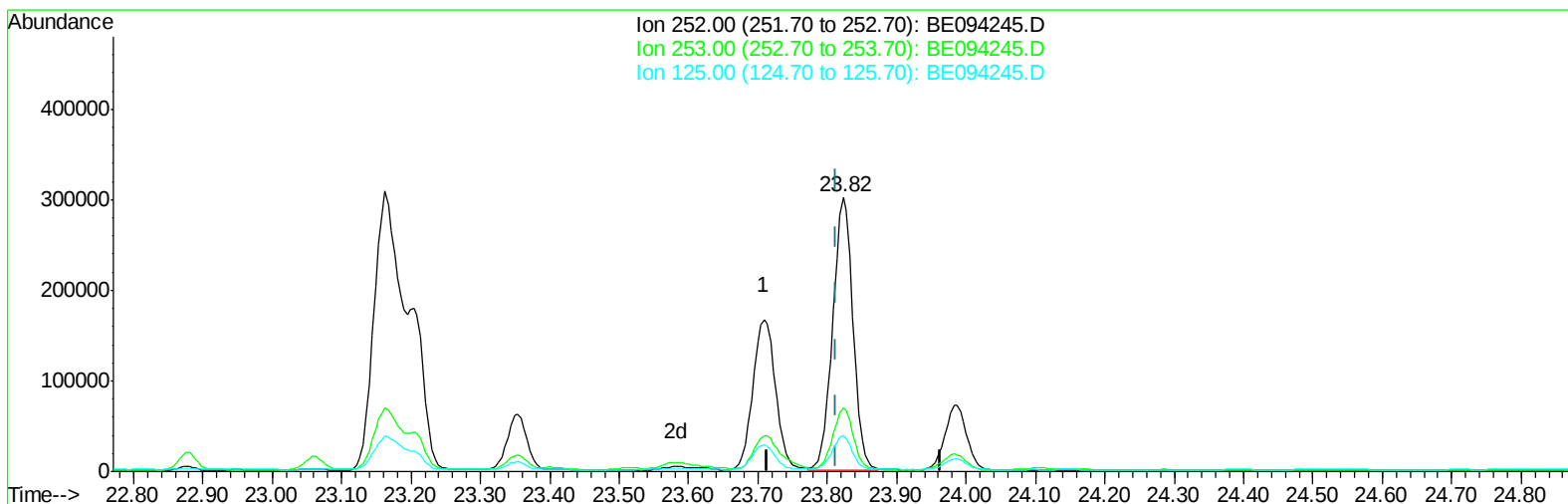
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094245.D
Acq On : 10 Oct 2017 6:05
Operator : SJ/JU
Sample : I5533-07
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DUP-1

Manual Integrations
APPROVED

Sohil
10/11/2017 9:24:22 AM

Quant Time: Oct 10 11:31:14 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration



TIC: BE094245.D

(23) Benzo(a)pyrene (C)

23.823min (+0.009) 14.49ng/ul m

response 604156

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	23.37#
125.00	22.60	12.82#
0.00	0.00	0.00

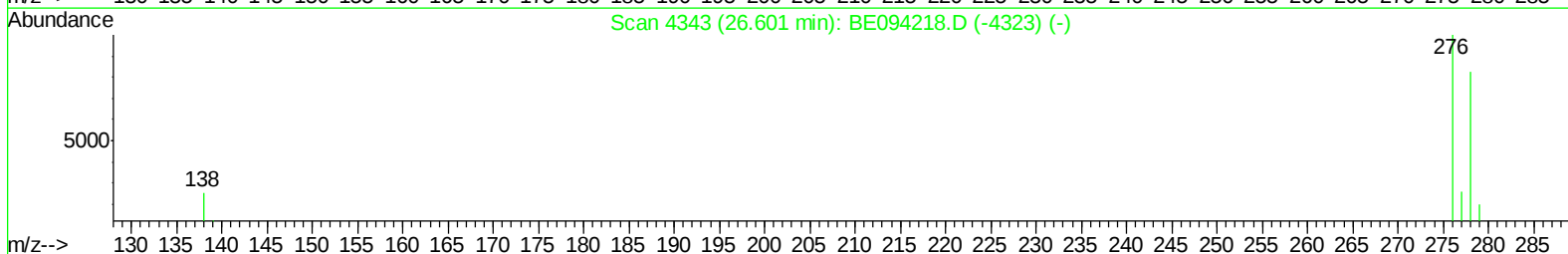
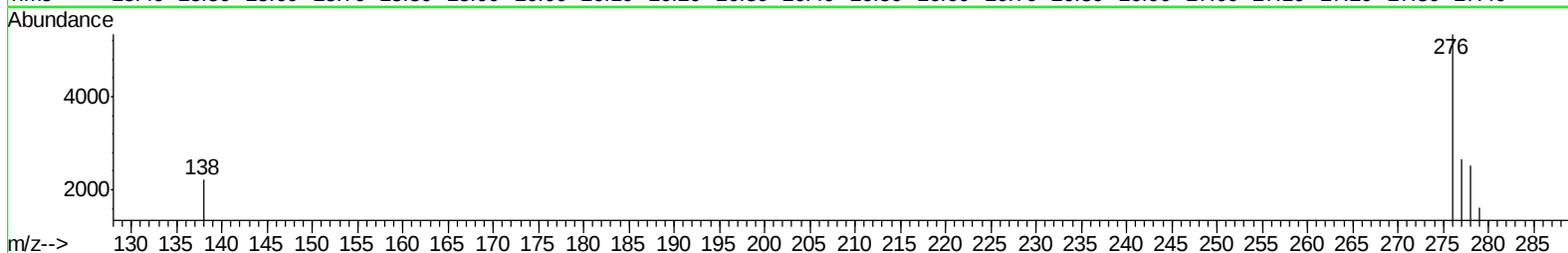
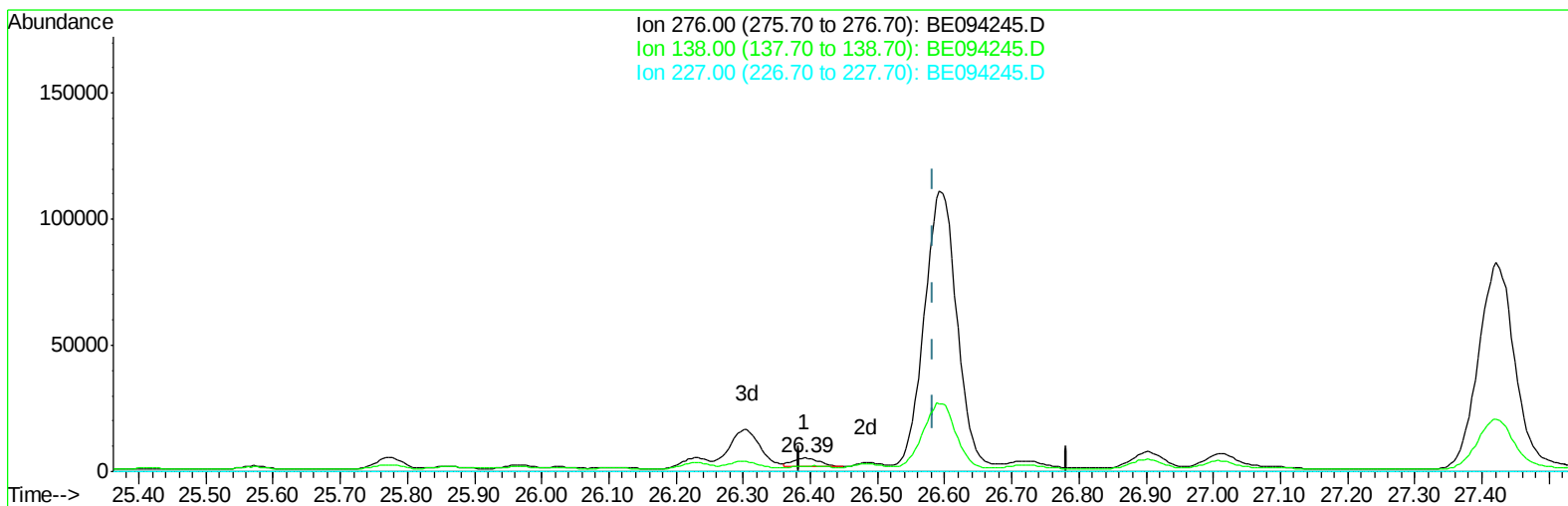
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094245.D
Acq On : 10 Oct 2017 6:05
Operator : SJ/JU
Sample : I5533-07
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DUP-1

Manual Integrations
APPROVED

Sohil
10/11/2017 9:24:22 AM

Quant Time: Oct 10 11:31:14 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration



TIC: BE094245.D

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

26.392min (-0.191) 0.23ng/ul

response 9811

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	27.85#
227.00	10.00	0.00#
0.00	0.00	0.00

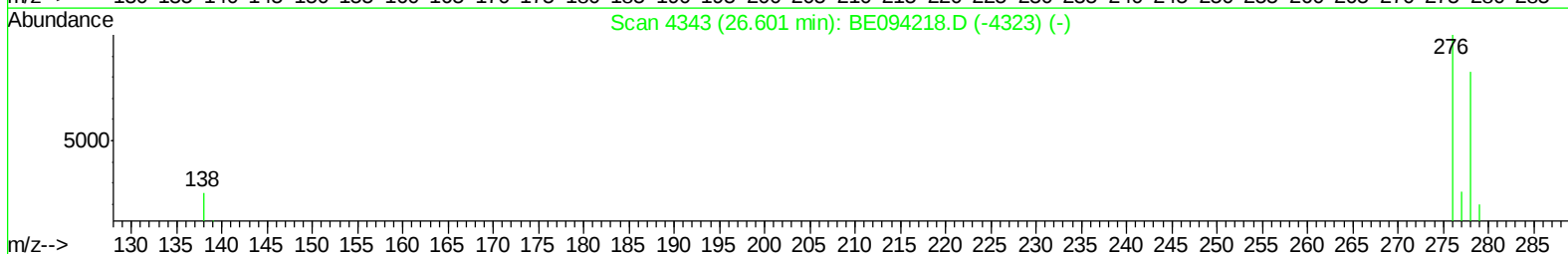
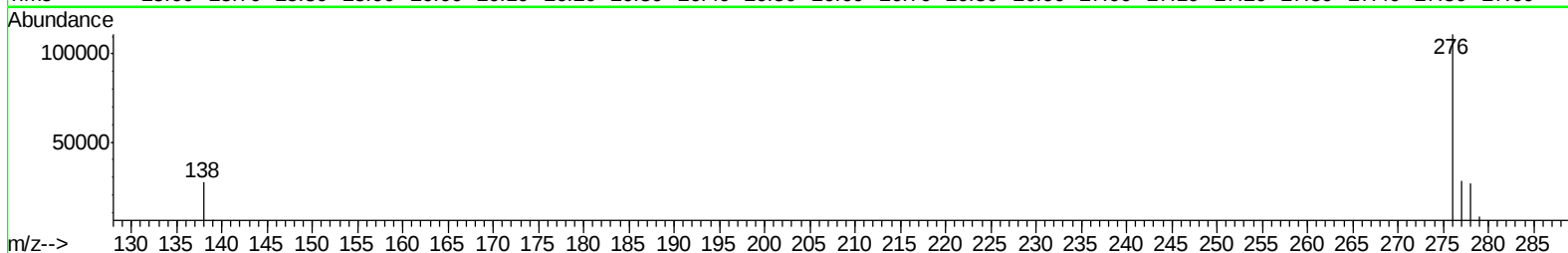
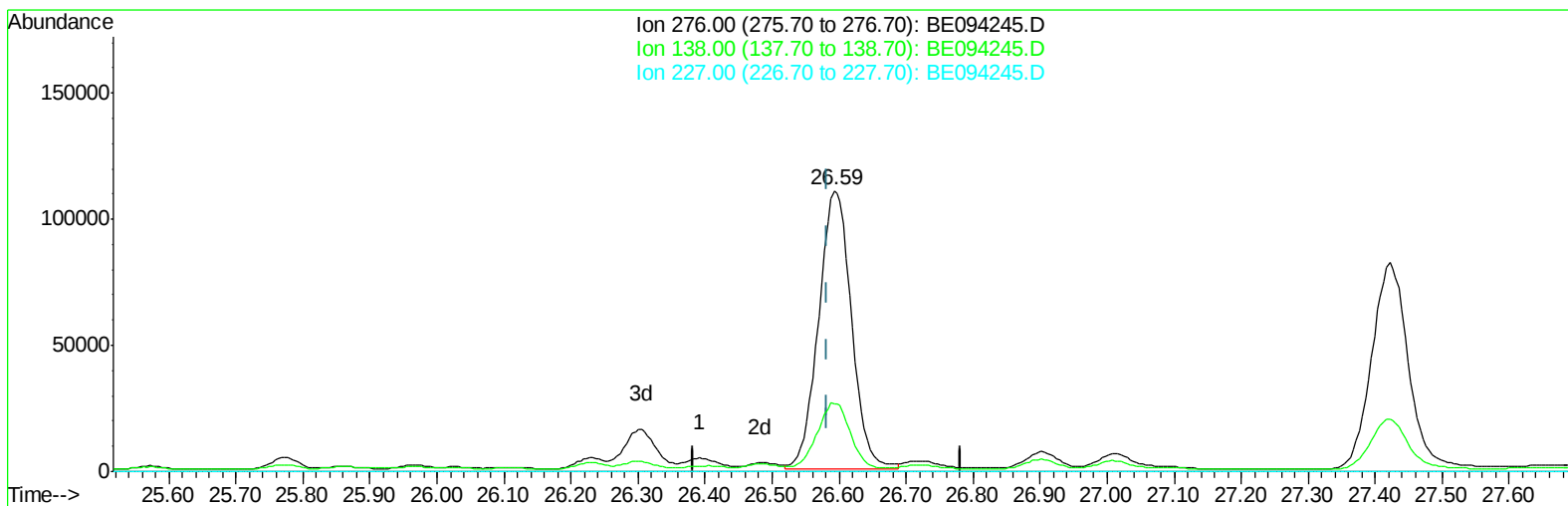
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094245.D
Acq On : 10 Oct 2017 6:05
Operator : SJ/JU
Sample : I5533-07
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DUP-1

Manual Integrations
APPROVED

Sohil
10/11/2017 9:24:22 AM

Quant Time: Oct 10 11:31:14 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration



TIC: BE094245.D

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

26.592min (+0.009) 8.79ng/ul m

response 374841

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	0.73#
227.00	10.00	0.00#
0.00	0.00	0.00

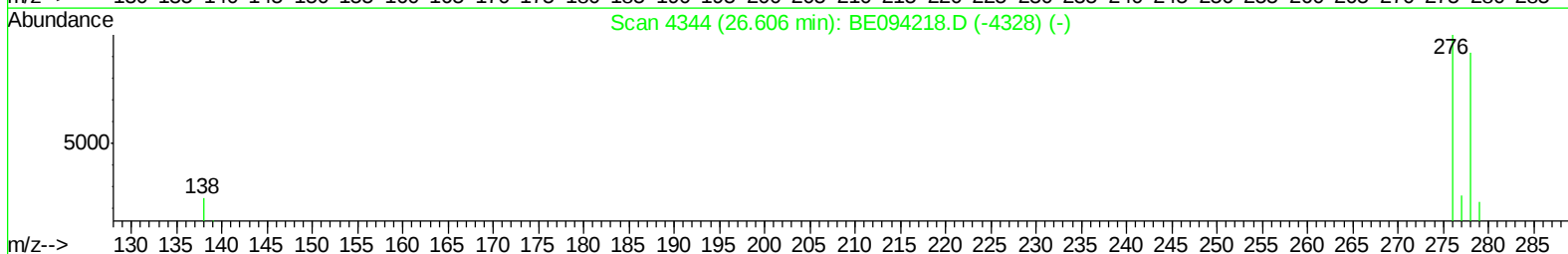
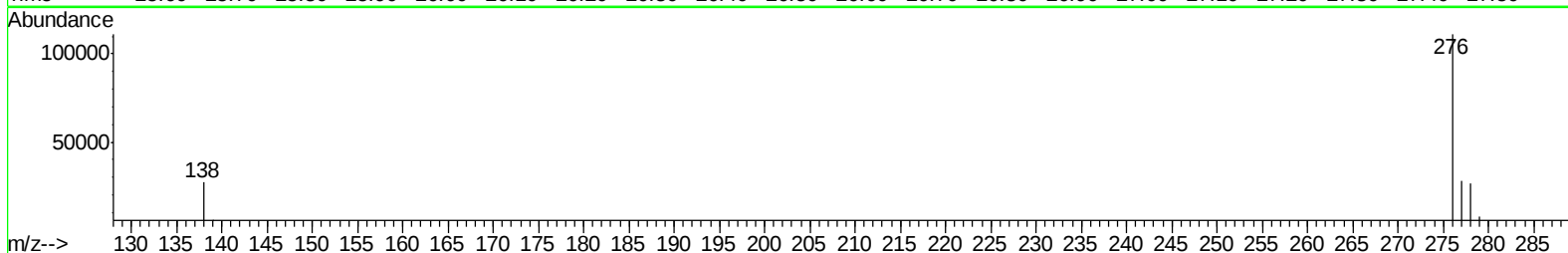
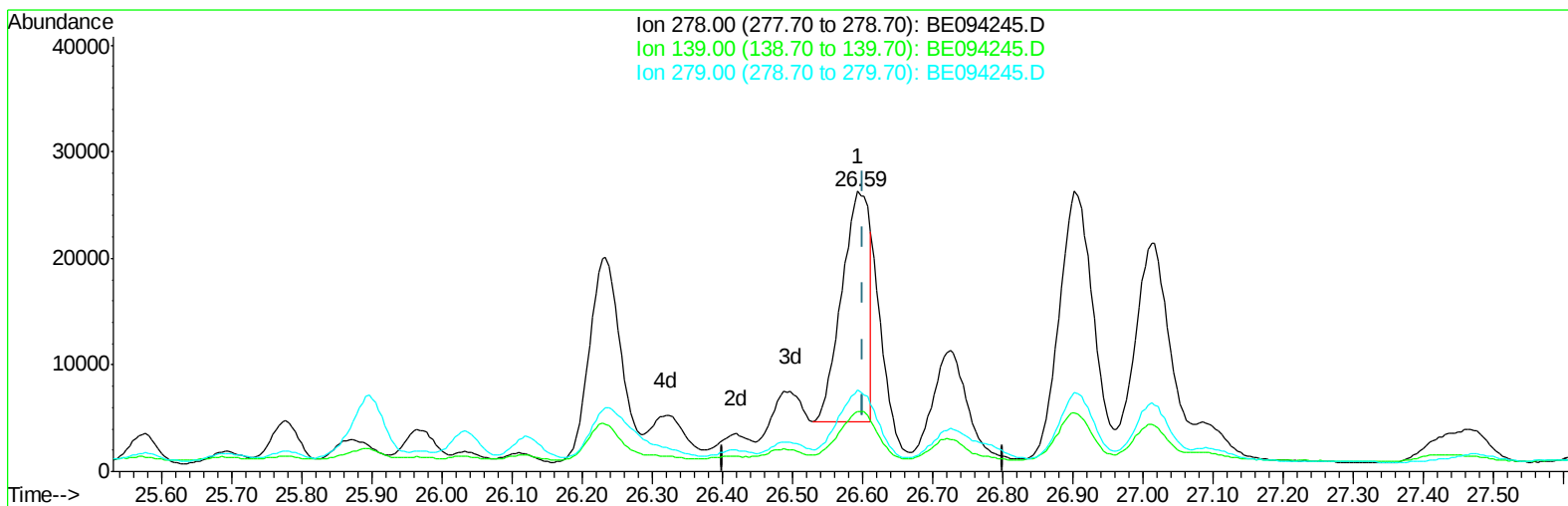
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094245.D
Acq On : 10 Oct 2017 6:05
Operator : SJ/JU
Sample : I5533-07
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DUP-1

Manual Integrations
APPROVED

Sohil
10/11/2017 9:24:22 AM

Quant Time: Oct 10 11:31:14 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration



TIC: BE094245.D

(25) Dibenzo(a,h)anthracene

26.592min (-0.009) 1.67ng/ul

response 59585

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	21.20
279.00	32.40	28.89
0.00	0.00	0.00

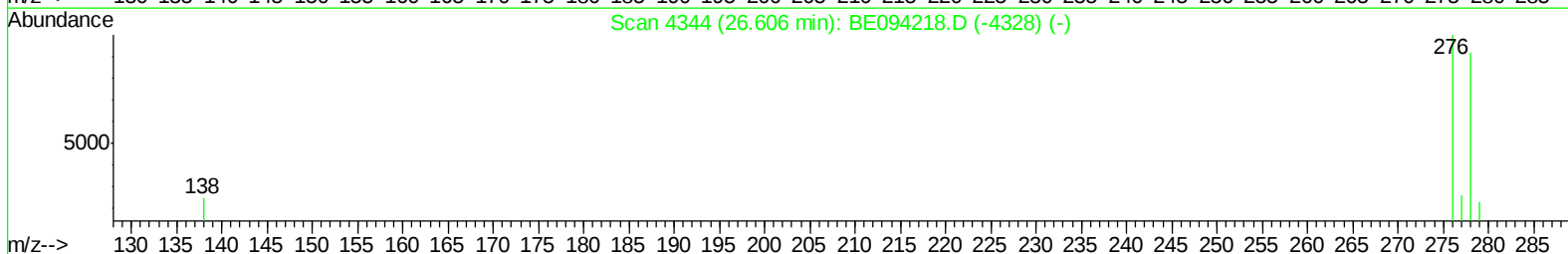
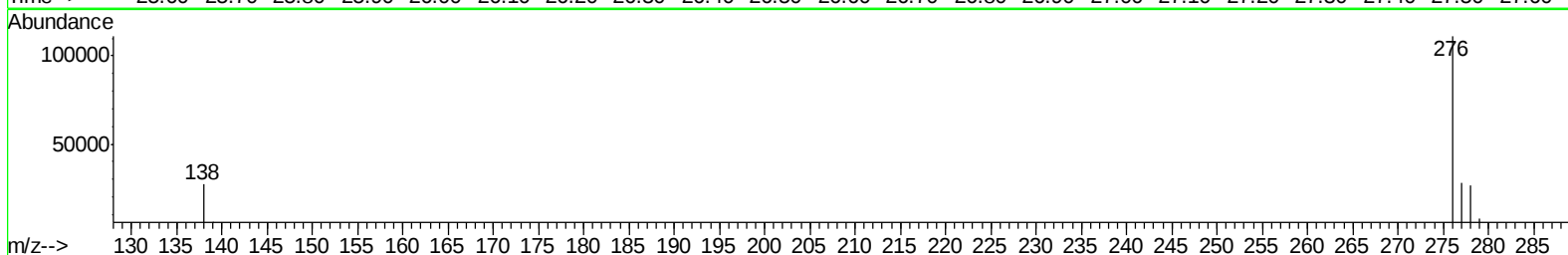
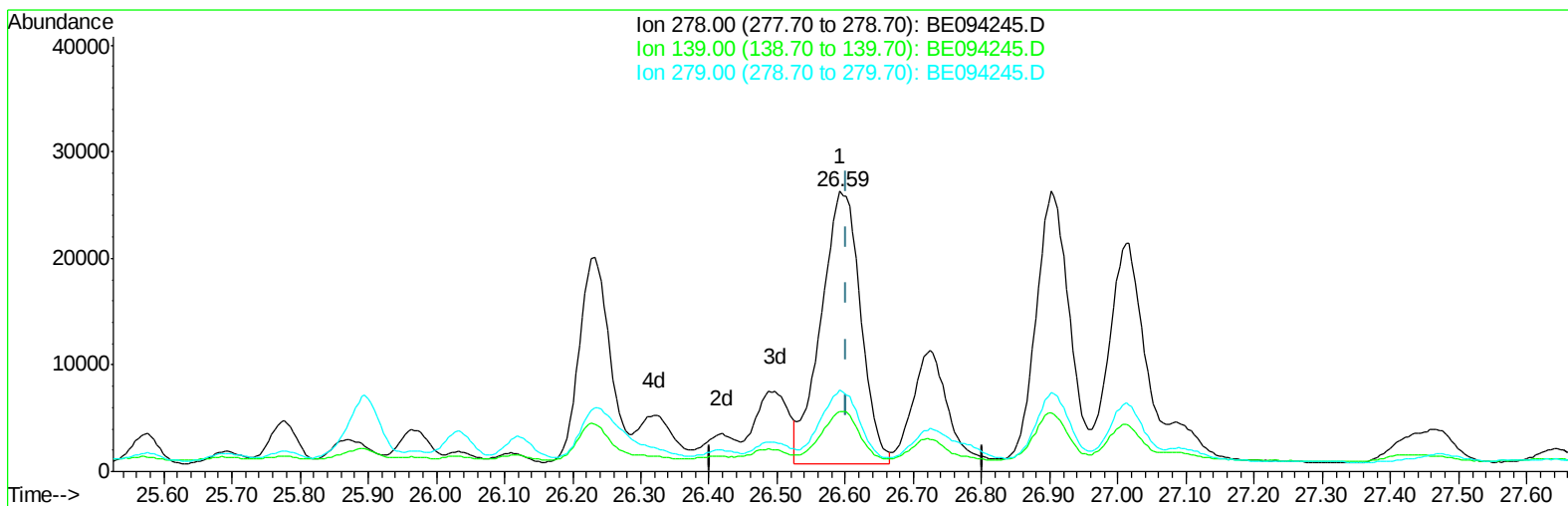
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094245.D
Acq On : 10 Oct 2017 6:05
Operator : SJ/JU
Sample : I5533-07
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DUP-1

Manual Integrations
APPROVED

Sohil
10/11/2017 9:24:22 AM

Quant Time: Oct 10 11:31:14 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration



TIC: BE094245.D

(25) Dibenzo(a,h)anthracene

26.592min (-0.009) 2.89ng/ul m

response 103530

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	21.20
279.00	32.40	28.89
0.00	0.00	0.00

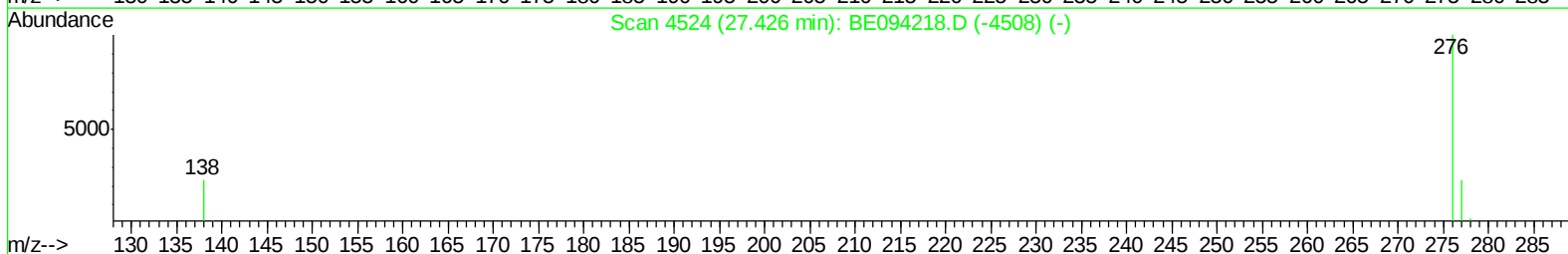
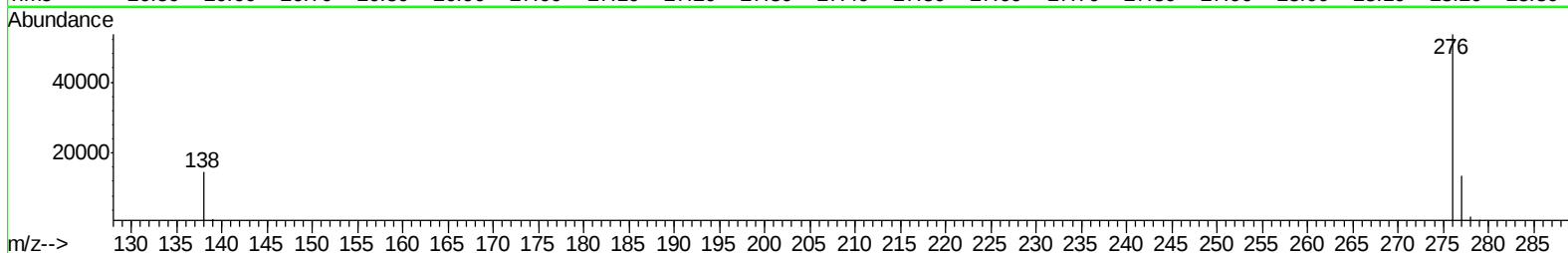
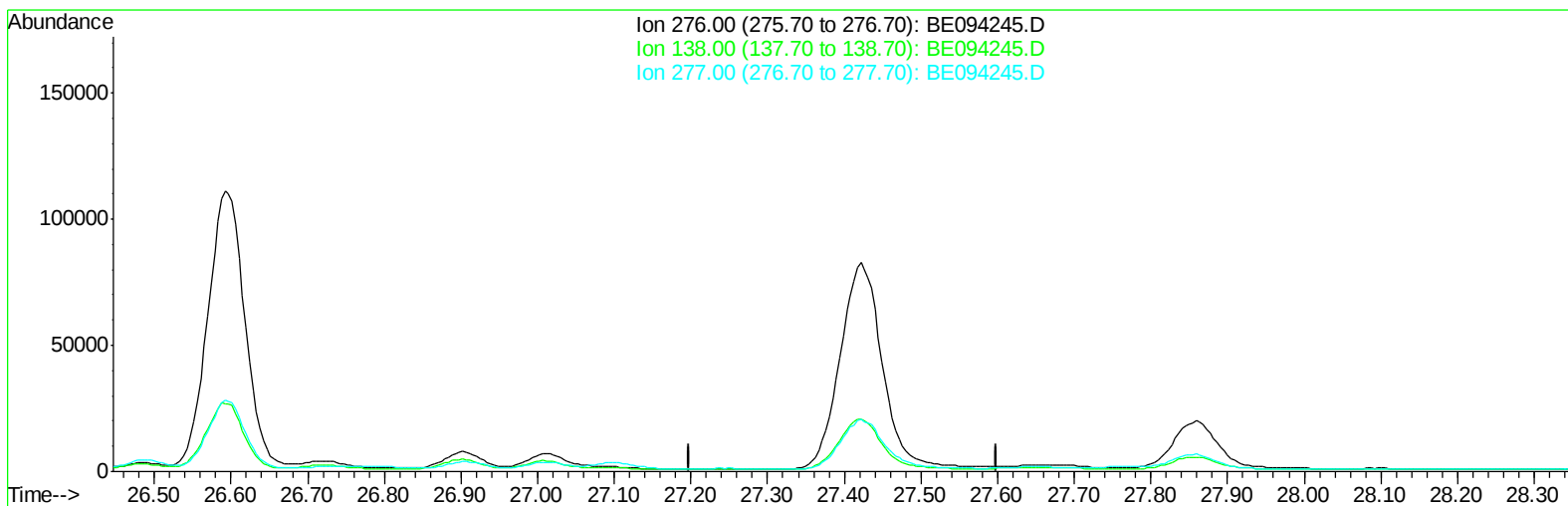
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094245.D
Acq On : 10 Oct 2017 6:05
Operator : SJ/JU
Sample : I5533-07
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DUP-1

Manual Integrations
APPROVED

Sohil
10/11/2017 9:24:22 AM

Quant Time: Oct 10 11:31:14 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration



TIC: BE094245.D

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

27.399min (-27.399) 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

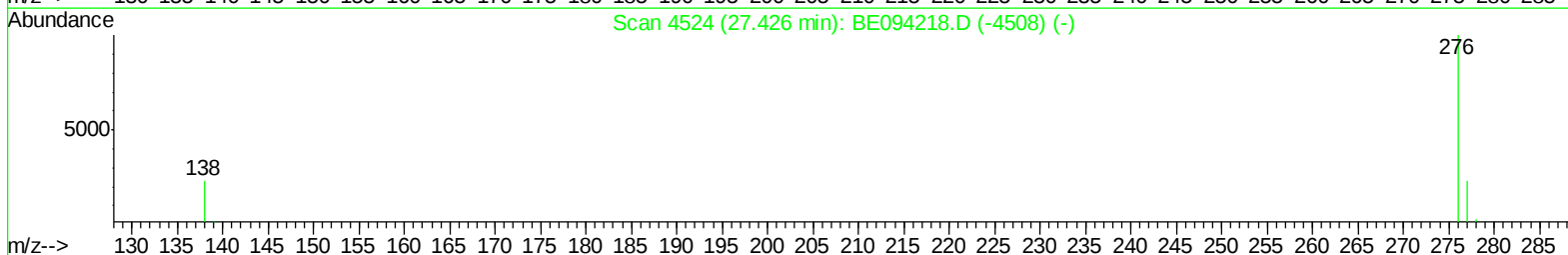
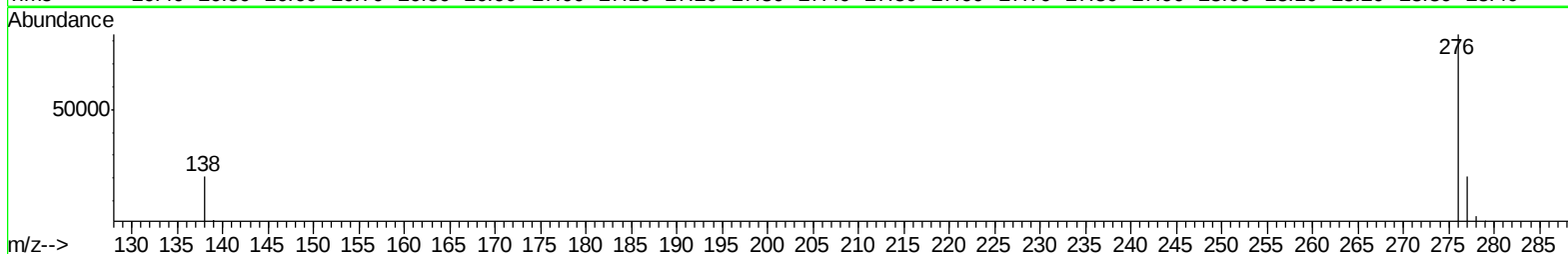
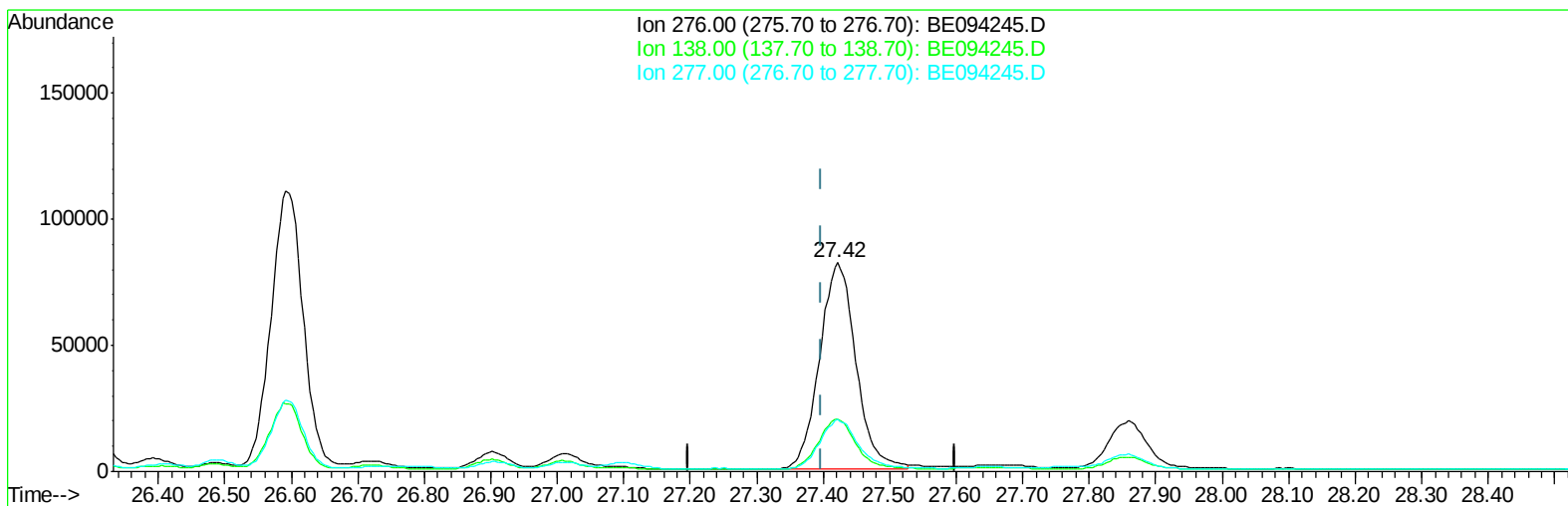
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094245.D
Acq On : 10 Oct 2017 6:05
Operator : SJ/JU
Sample : I5533-07
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DUP-1

Manual Integrations
APPROVED

Sohil
10/11/2017 9:24:22 AM

Quant Time: Oct 10 11:31:14 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration



TIC: BE094245.D

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

27.422min (+0.023) 8.38ng/ul m

response 308326

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	24.74
277.00	25.60	24.91
0.00	0.00	0.00

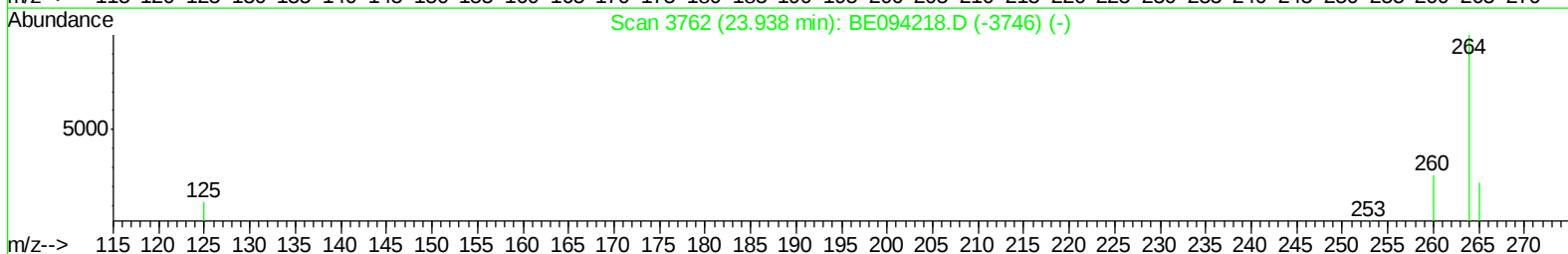
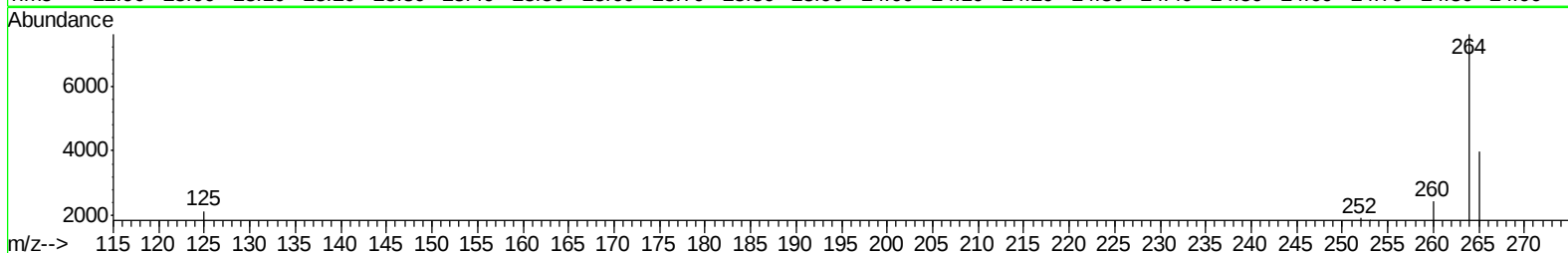
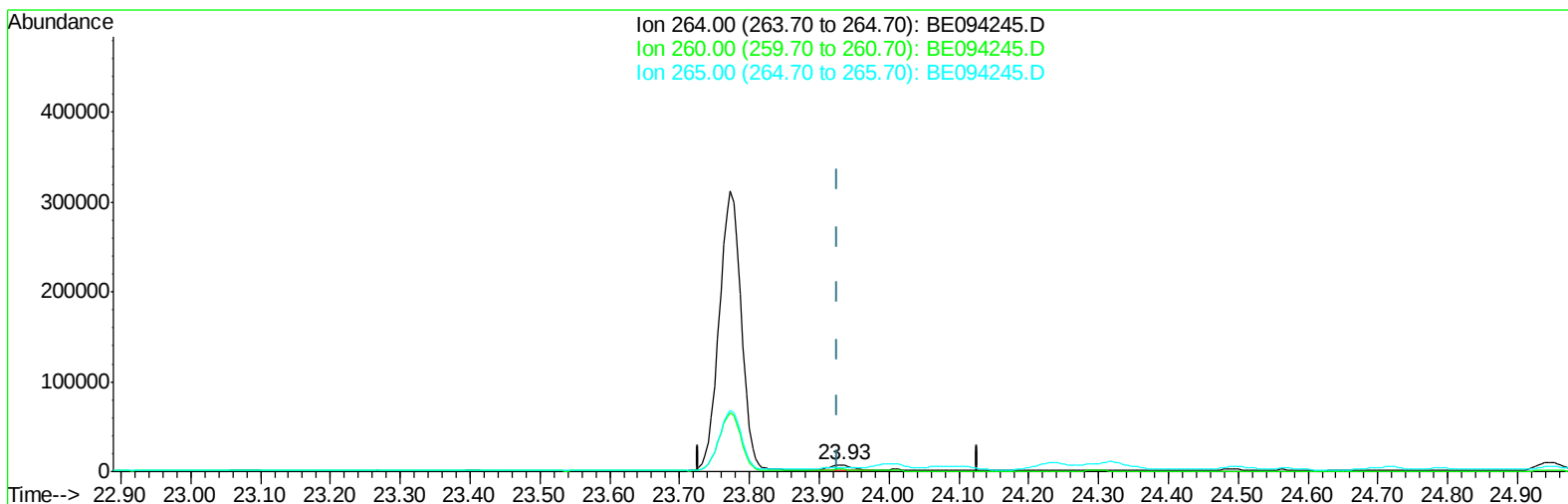
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094245.D
Acq On : 10 Oct 2017 6:05
Operator : SJ/JU
Sample : I5533-07
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DUP-1

Manual Integrations
APPROVED

Sohil
10/11/2017 9:24:22 AM

Quant Time: Oct 10 12:23:01 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration



TIC: BE094245.D

(20) Perylene-d12 (I)

23.932min (+0.005) 0.40ng/ul m

response 13389

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	32.04
265.00	103.50	52.38#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
 Data File : BE094245.D
 Acq On : 10 Oct 2017 6:05
 Operator : SJ/JU
 Sample : I5533-07
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 DUP-1

Manual Integrations
 APPROVED

Sohil
 10/11/2017 9:24:22 AM

Quant Time: Oct 10 12:23:01 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 09 04:05:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	2346	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	11916	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	7160	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.26	188	14817	0.40	ng/ul	-0.02
16) Chrysene-d12	21.42	240	13653	0.40	ng/ul	0.00
20) Perylene-d12	23.93	264	13389m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	4314	0.23	ng/ul	-0.01
14) Fluoranthene-d10	19.28	212	9856	0.20	ng/ul	0.00
Target Compounds						
					Ovalue	
3) Naphthalene	10.74	128	26639	0.91	ng/ul#	91
5) 2-Methylnaphthalene	12.35	142	8277	0.44	ng/ul	98
7) Acenaphthylene	14.24	152	22417	0.80	ng/ul	97
8) Acenaphthene	14.57	153	37357	1.63	ng/ul	96
9) Fluorene	15.56	166	39873	1.48	ng/ul	90
12) Phenanthrene	17.29	178	873416	22.56	ng/ul#	89
13) Anthracene	17.38	178	220972	5.87	ng/ul#	89
15) Fluoranthene	19.31	202	1536532	30.20	ng/ul	84
17) Pyrene	19.67	202	1442462	37.97	ng/ul#	86
18) Benzo(a)anthracene	21.40	228	758875	20.95	ng/ul#	86
19) Chrysene	21.45	228	678967	16.23	ng/ul	99
21) Benzo(b)fluoranthene	23.16	252	810255m	22.28	ng/ul	
22) Benzo(k)fluoranthene	23.20	252	270517m	6.43	ng/ul	
23) Benzo(a)pyrene	23.82	252	604156m	15.99	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.59	276	374841m	9.70	ng/ul	
25) Dibenzo(a,h)anthracene	26.59	278	103530m	3.19	ng/ul	
26) Benzo(a,h,i)perylene	27.42	276	308326m	9.25	ng/ul	

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

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