

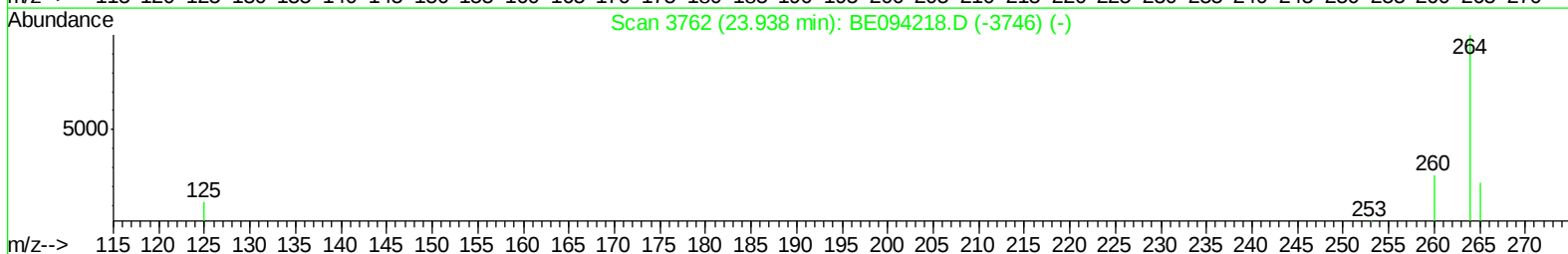
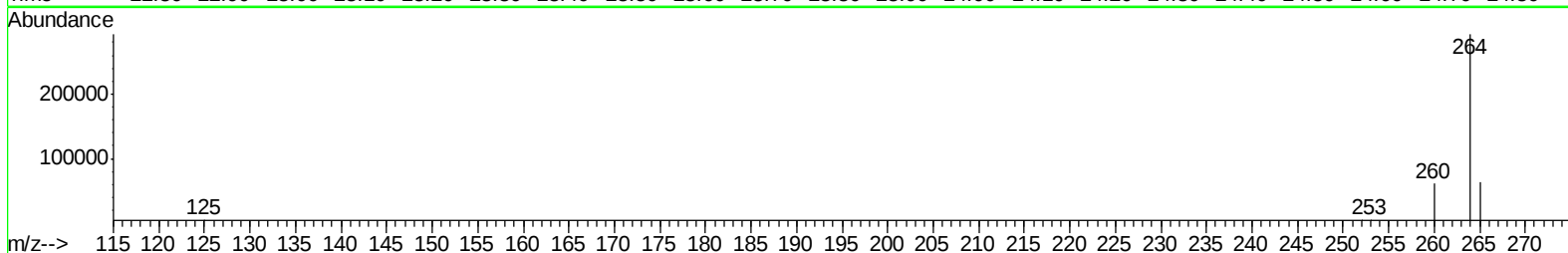
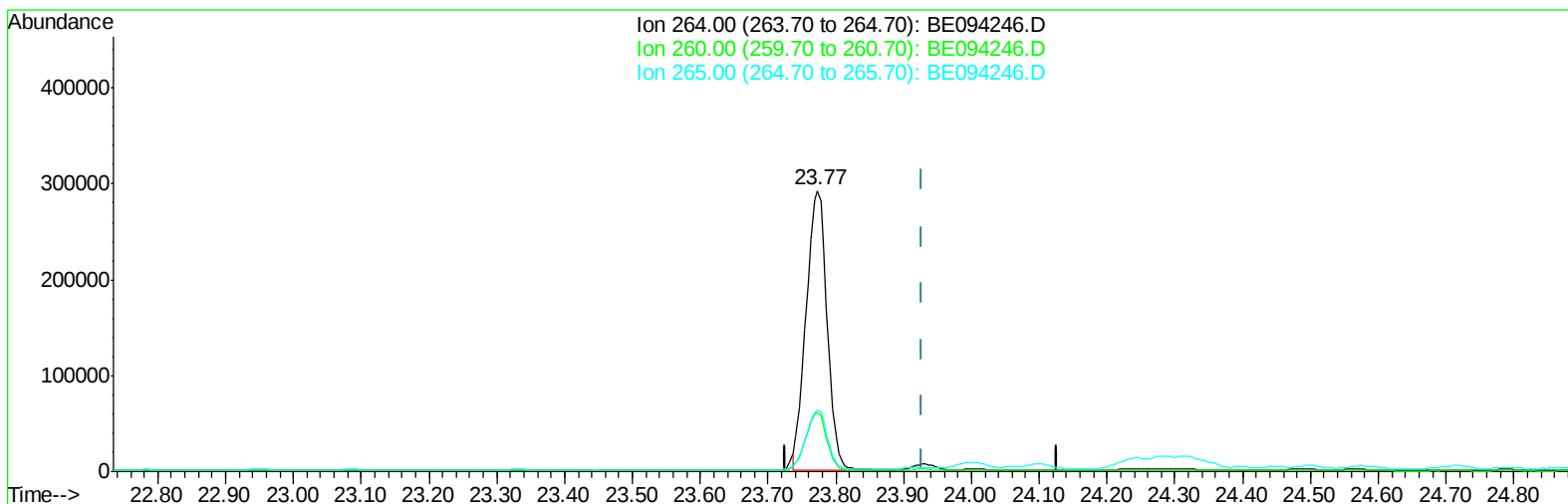
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094246.D
Acq On : 10 Oct 2017 6:41
Operator : SJ/JU
Sample : I5533-08
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-54(7-8)-092817

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:46 PM

Quant Time: Oct 10 08:54:02 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: BE094246.D

(20) Perylene-d12 (I)

23.773min (-0.154) 0.40ng/ul

response 624006

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.90#
265.00	103.50	21.83#
0.00	0.00	0.00

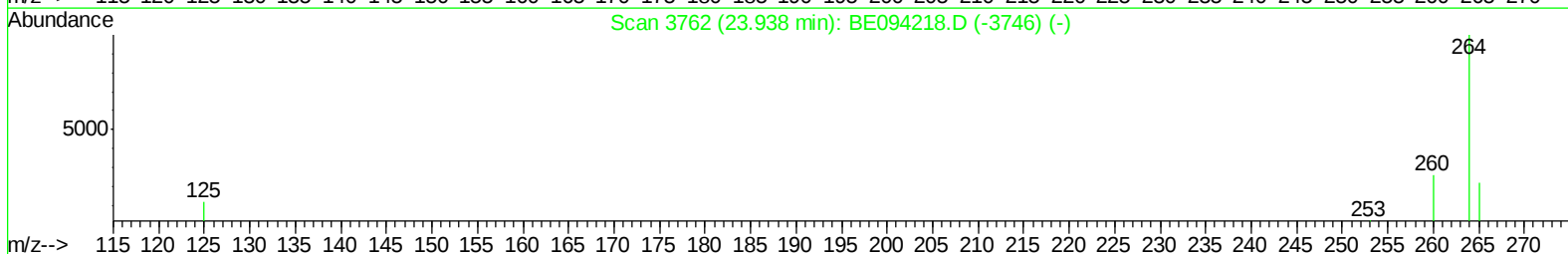
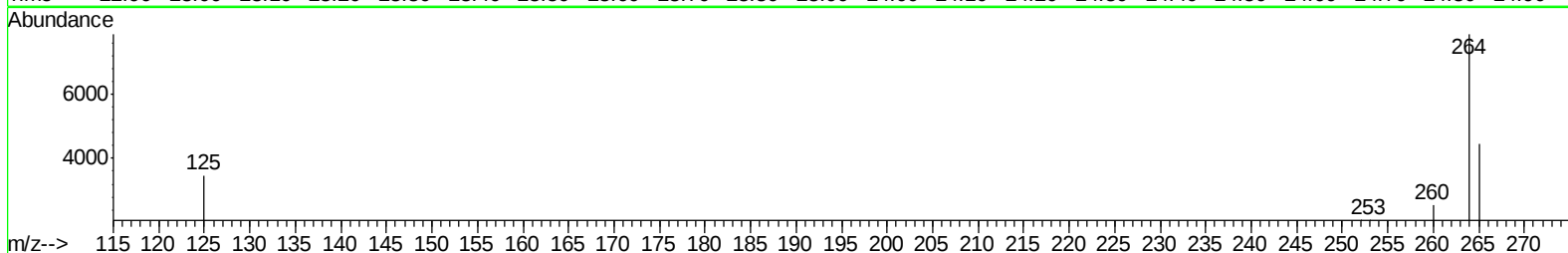
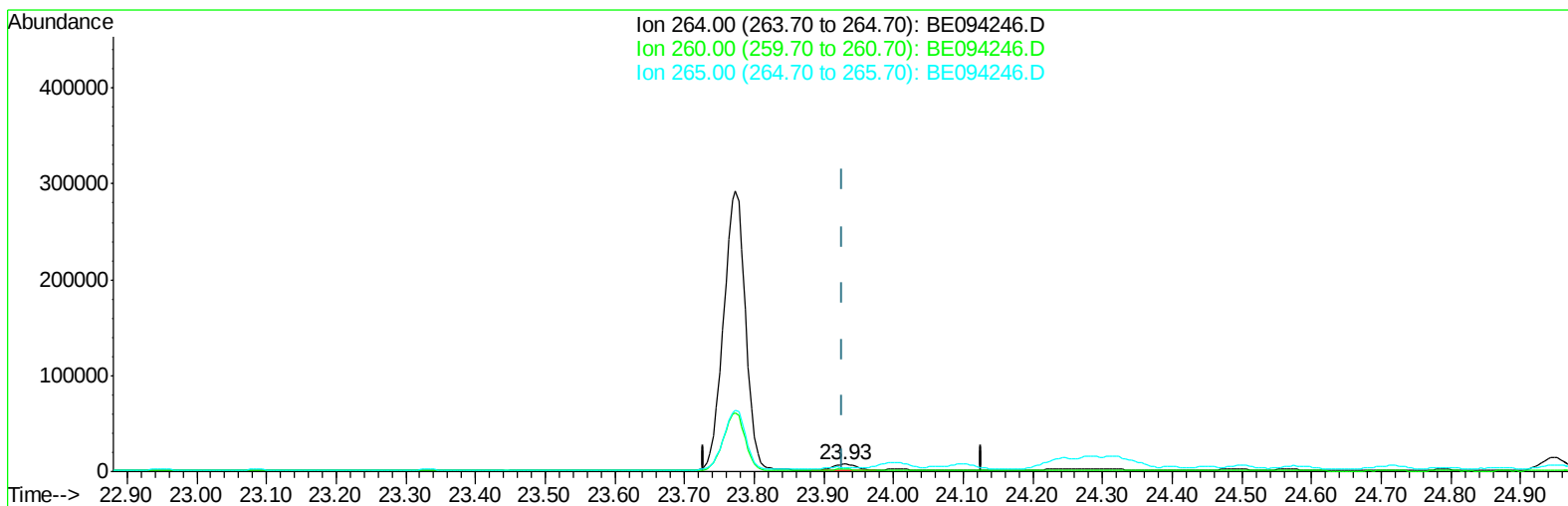
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094246.D
Acq On : 10 Oct 2017 6:41
Operator : SJ/JU
Sample : I5533-08
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-54(7-8)-092817

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:46 PM

Quant Time: Oct 10 08:54:02 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: BE094246.D

(20) Perylene-d12 (I)

23.928min (+0.000) 0.40ng/ul m

response 16264

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	32.44
265.00	103.50	56.77#
0.00	0.00	0.00

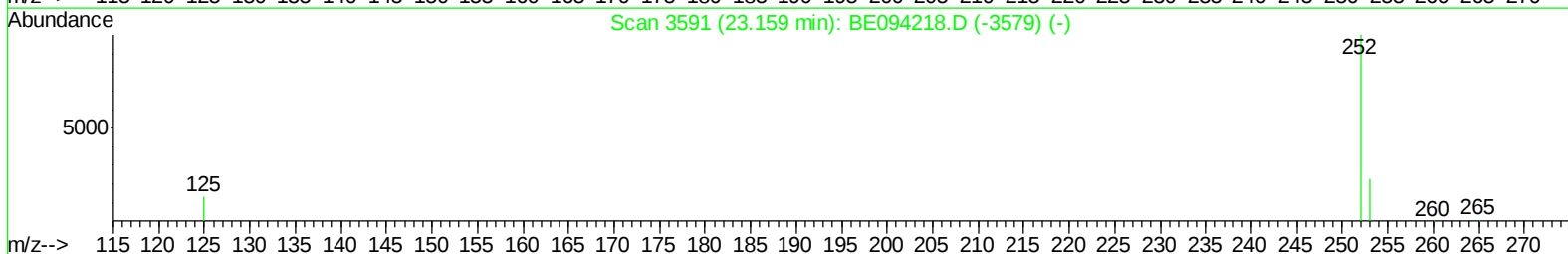
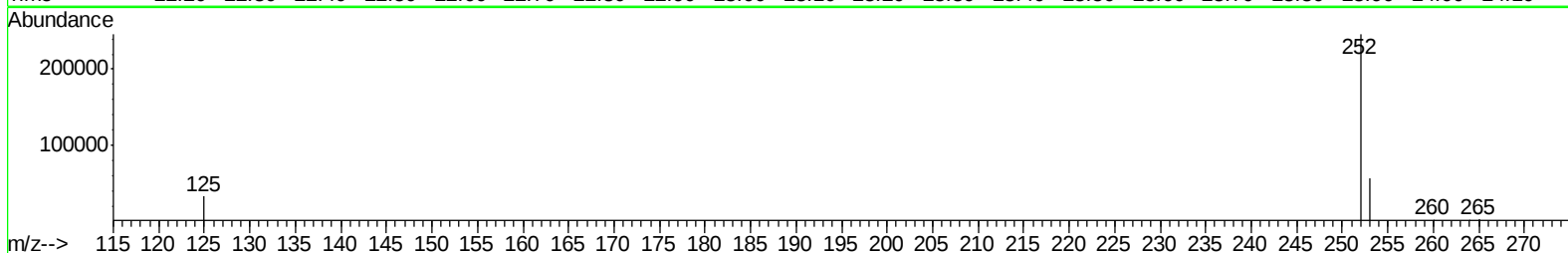
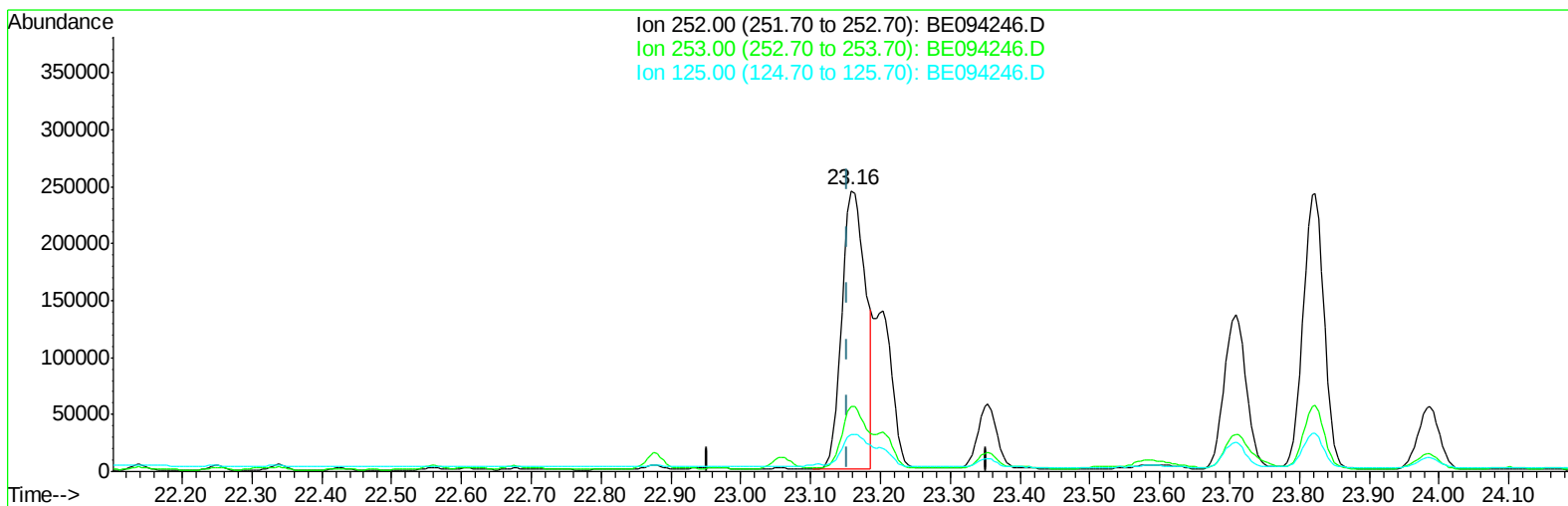
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094246.D
Acq On : 10 Oct 2017 6:41
Operator : SJ/JU
Sample : I5533-08
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-54(7-8)-092817

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:46 PM

Quant Time: Oct 10 08:54:02 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: BE094246.D

(21) Benzo(b)fluoranthene

23.158min (+0.005) 13.09ng/ul

response 578195

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.05
125.00	17.50	13.26
0.00	0.00	0.00

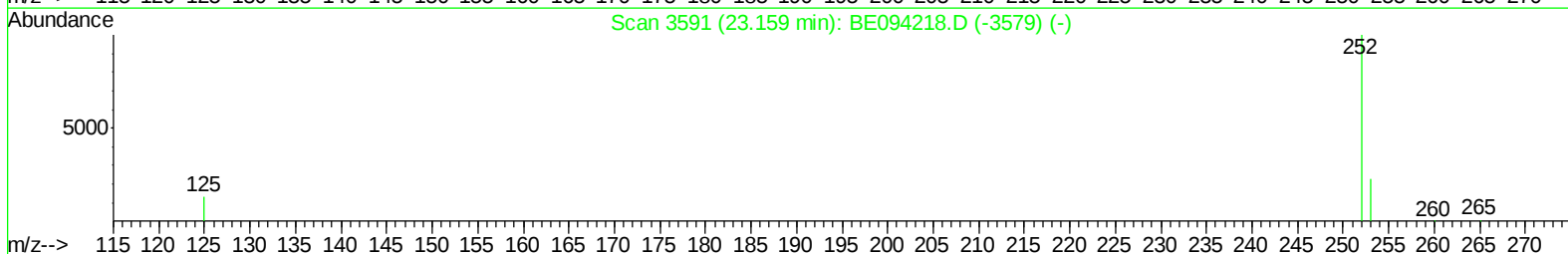
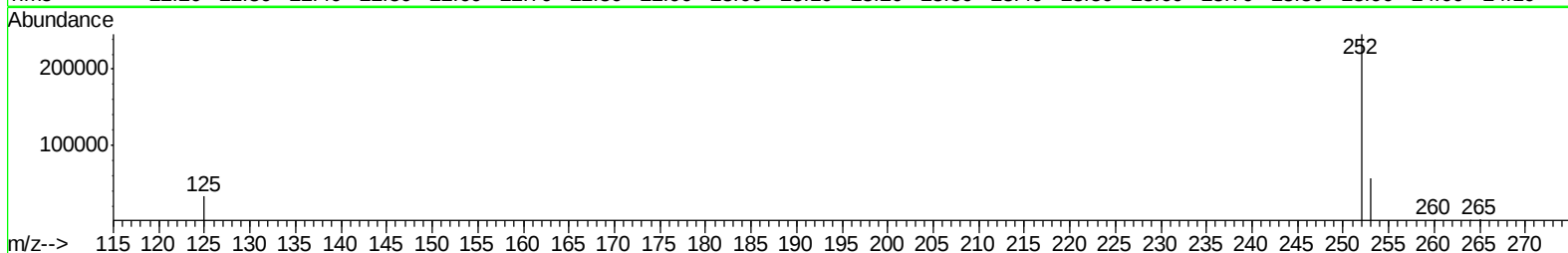
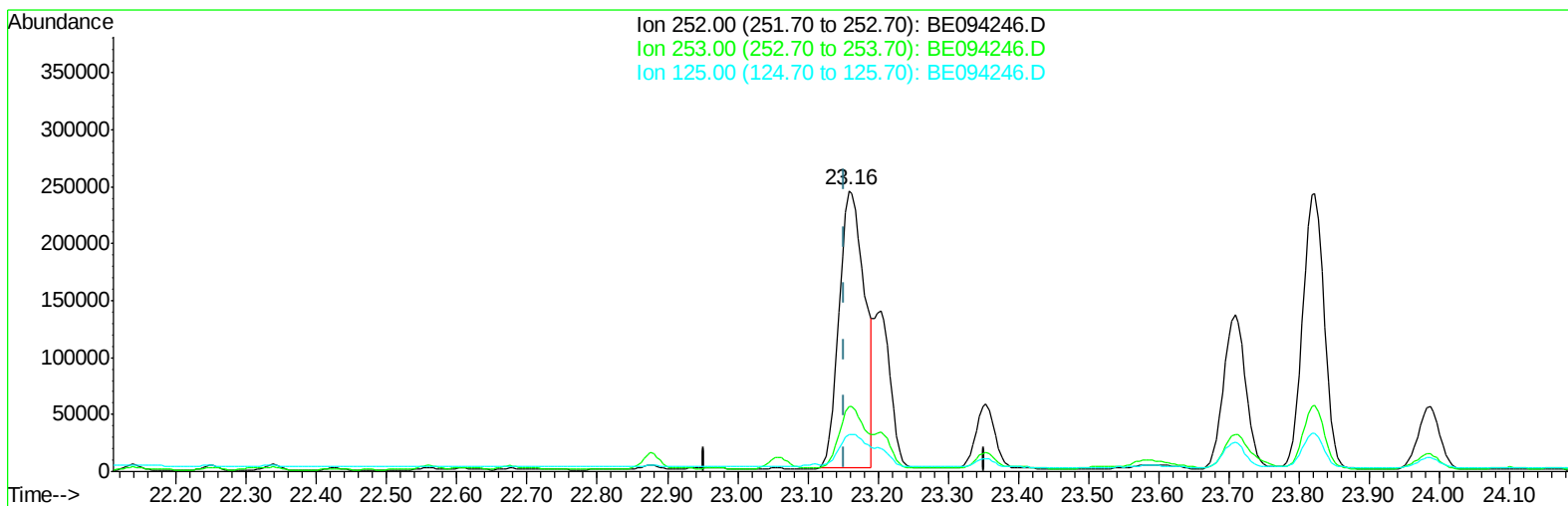
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094246.D
Acq On : 10 Oct 2017 6:41
Operator : SJ/JU
Sample : I5533-08
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-54(7-8)-092817

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:46 PM

Quant Time: Oct 10 08:54:02 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: BE094246.D

(21) Benzo(b)fluoranthene

23.158min (+0.005) 13.78ng/ul m

response 608686

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.05
125.00	17.50	13.26
0.00	0.00	0.00

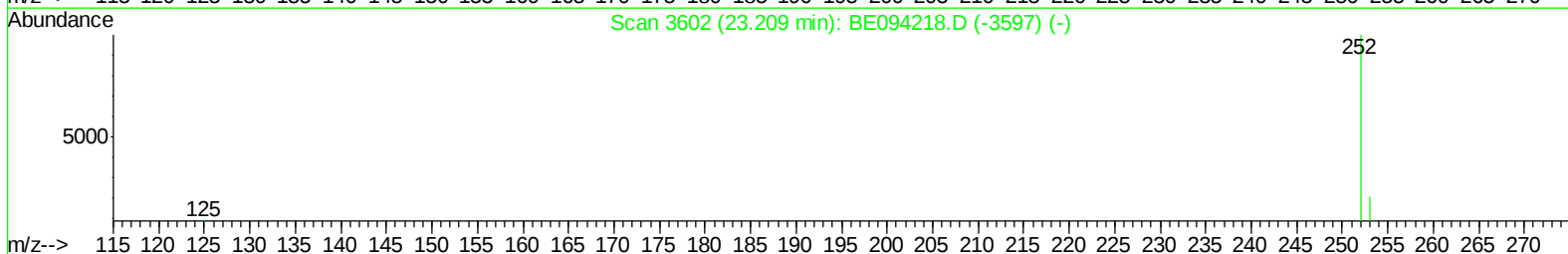
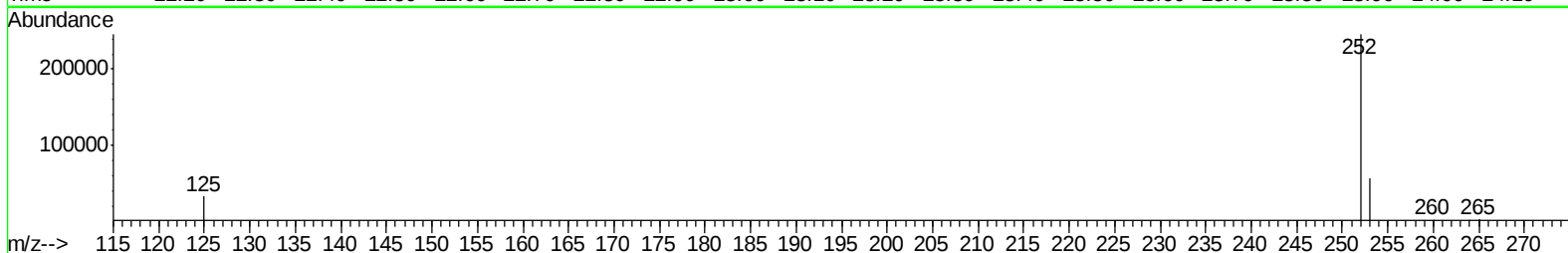
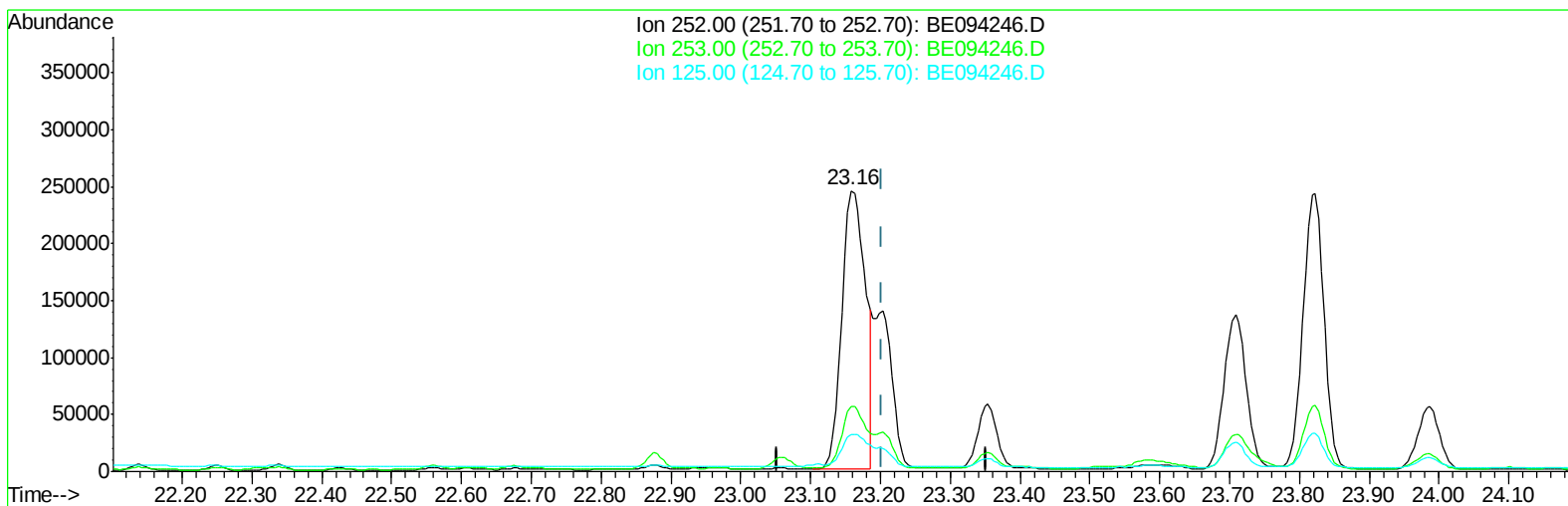
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094246.D
Acq On : 10 Oct 2017 6:41
Operator : SJ/JU
Sample : I5533-08
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-54(7-8)-092817

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:46 PM

Quant Time: Oct 10 08:54:02 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: BE094246.D

(22) Benzo(k)fluoranthene

23.158min (-0.045) 11.32ng/ul

response 578195

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.05#
125.00	17.10	13.26#
0.00	0.00	0.00

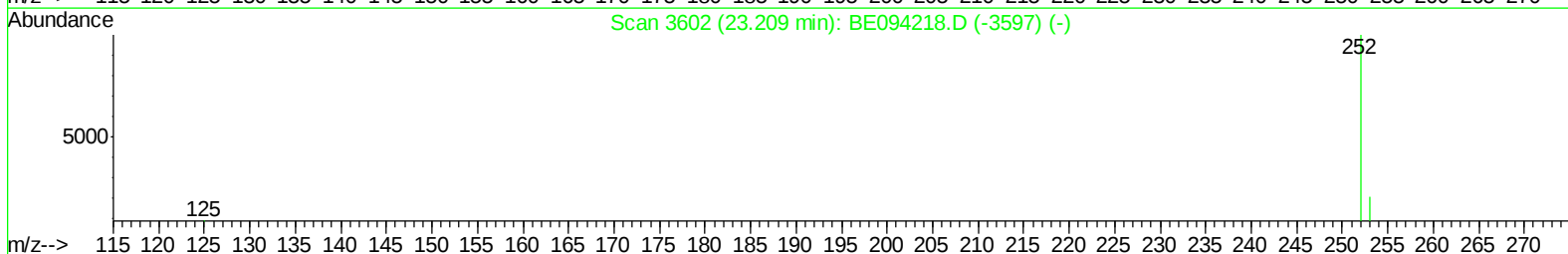
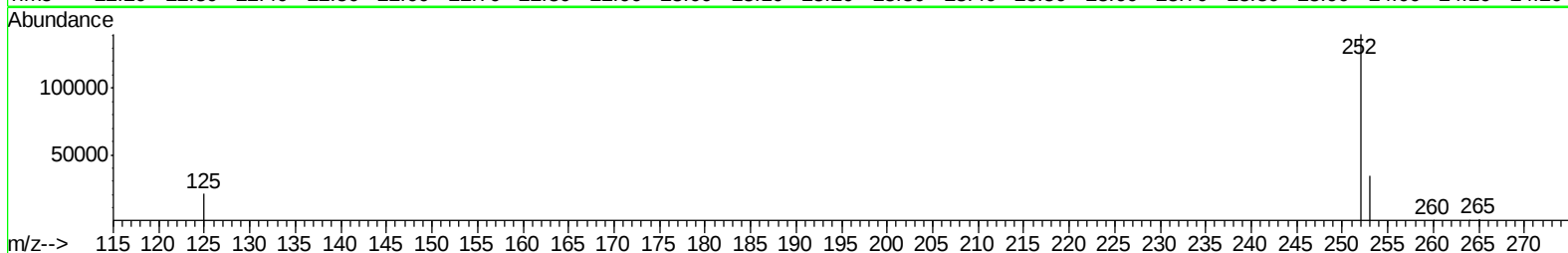
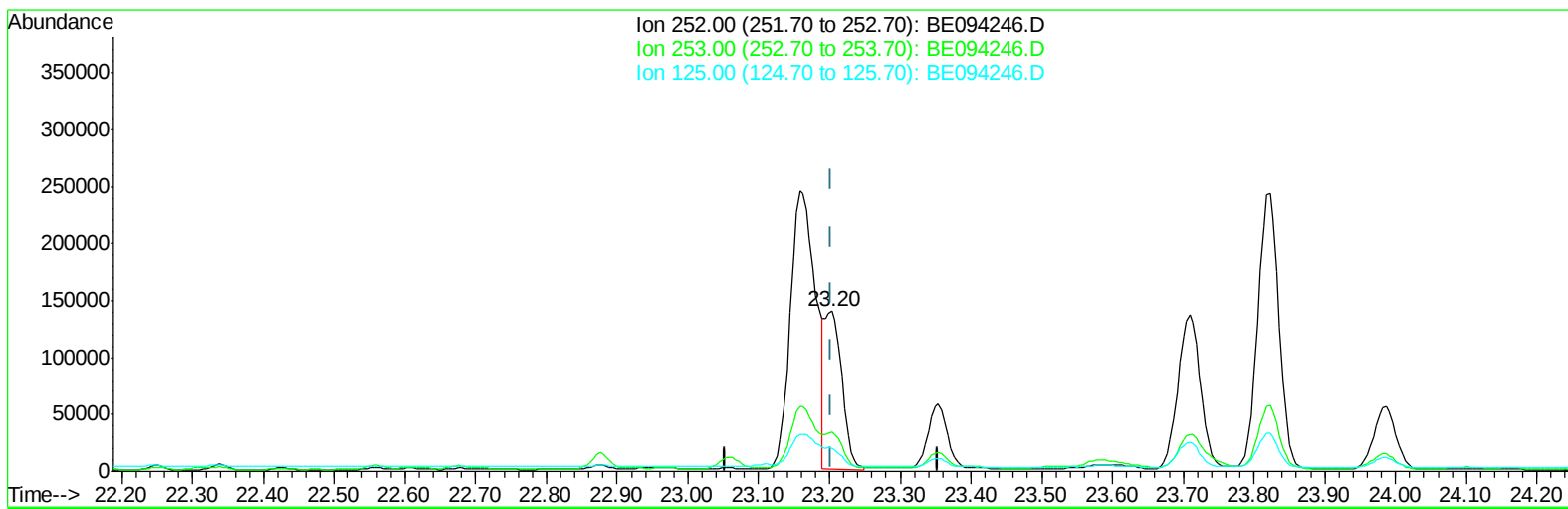
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094246.D
Acq On : 10 Oct 2017 6:41
Operator : SJ/JU
Sample : I5533-08
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-54(7-8)-092817

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:46 PM

Quant Time: Oct 10 08:54:02 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: BE094246.D

(22) Benzo(k)fluoranthene

23.204min (+0.000) 4.50ng/ul m

response 229652

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	24.34#
125.00	17.10	14.59
0.00	0.00	0.00

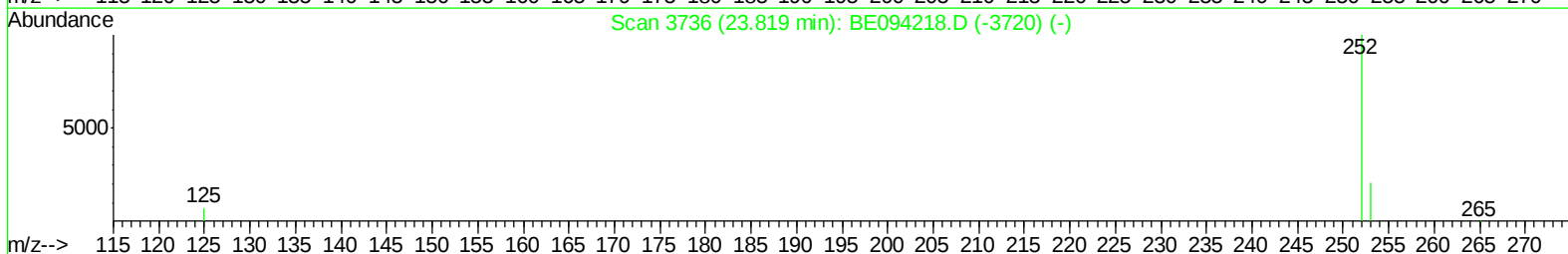
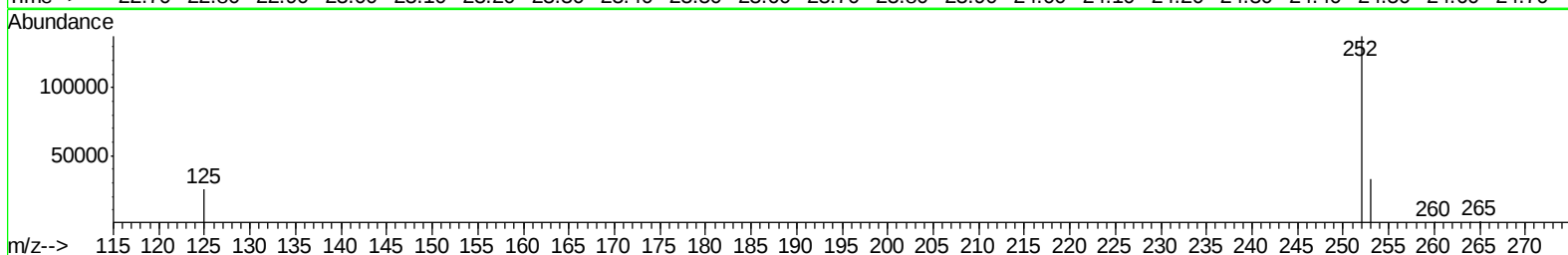
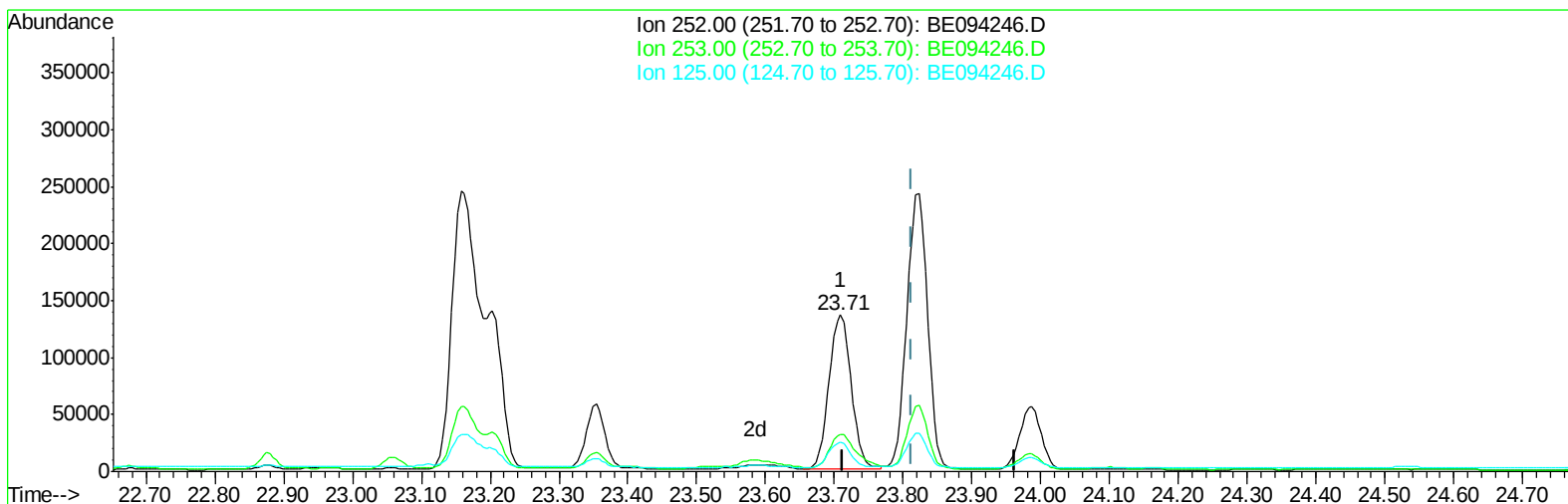
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094246.D
Acq On : 10 Oct 2017 6:41
Operator : SJ/JU
Sample : I5533-08
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-54(7-8)-092817

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:46 PM

Quant Time: Oct 10 08:54:02 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: BE094246.D

(23) Benzo(a)pyrene (C)

23.709min (-0.104) 6.57ng/ul

response 301816

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	24.02#
125.00	22.60	18.67
0.00	0.00	0.00

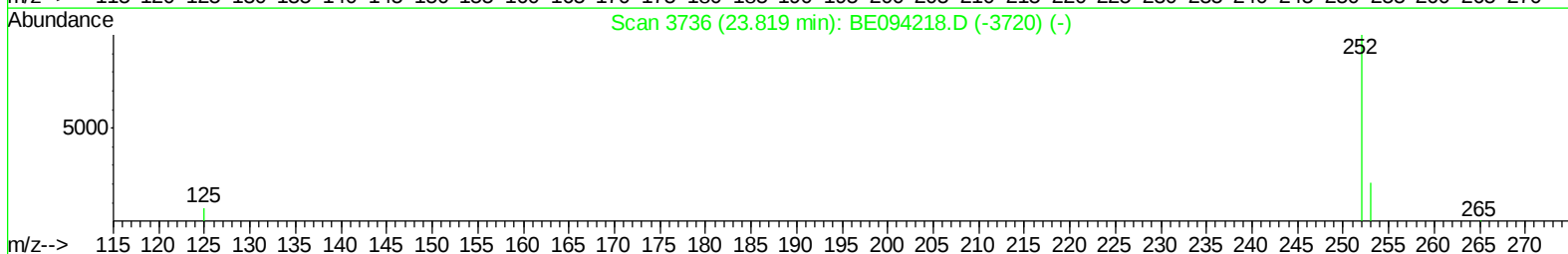
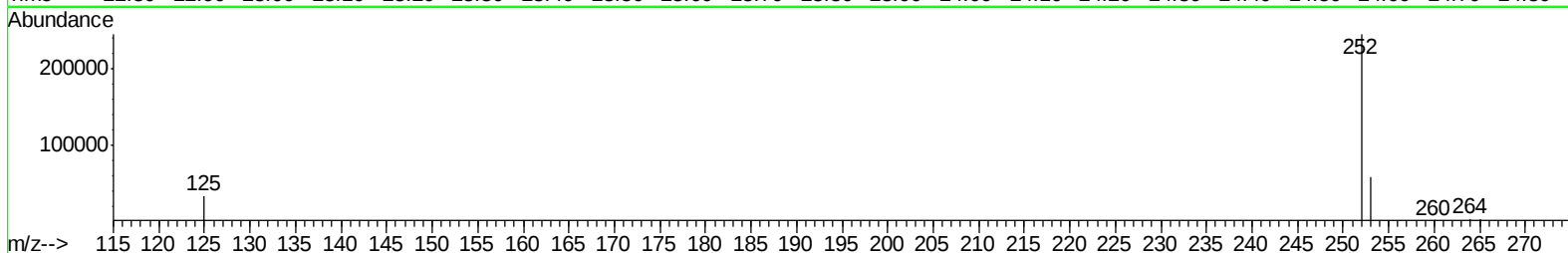
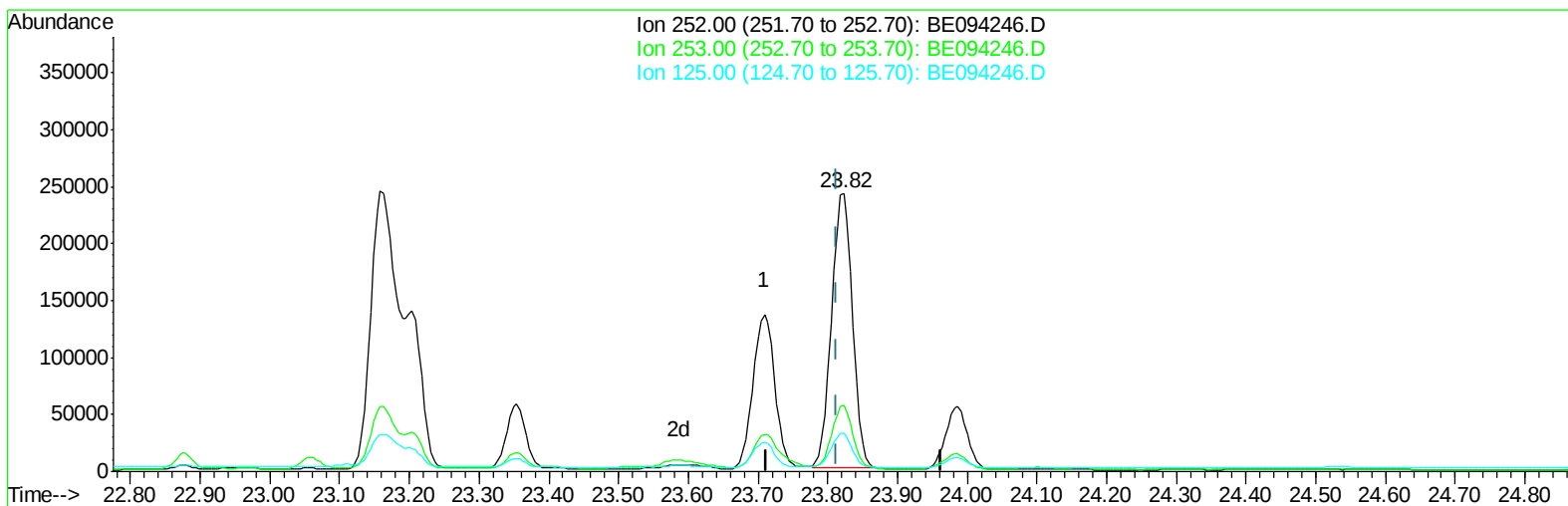
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094246.D
Acq On : 10 Oct 2017 6:41
Operator : SJ/JU
Sample : I5533-08
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-54(7-8)-092817

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:46 PM

Quant Time: Oct 10 08:54:02 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: BE094246.D

(23) Benzo(a)pyrene (C)

23.823min (+0.009) 10.86ng/ul m

response 498776

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	23.59#
125.00	22.60	13.70#
0.00	0.00	0.00

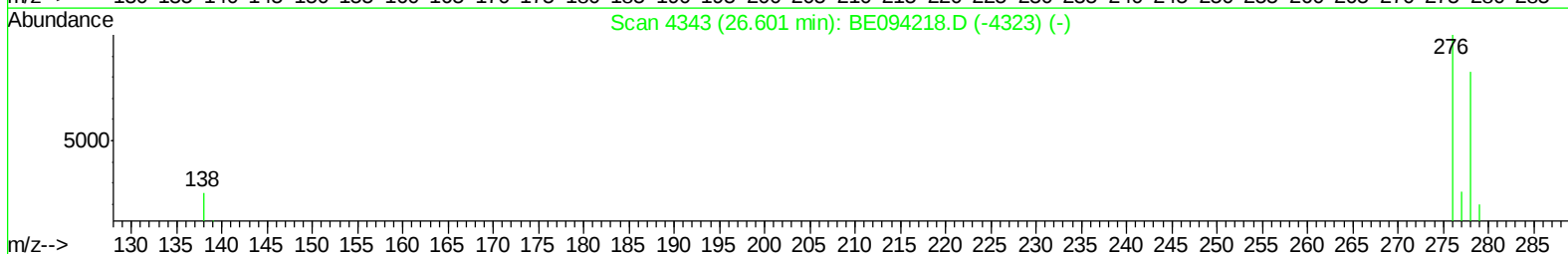
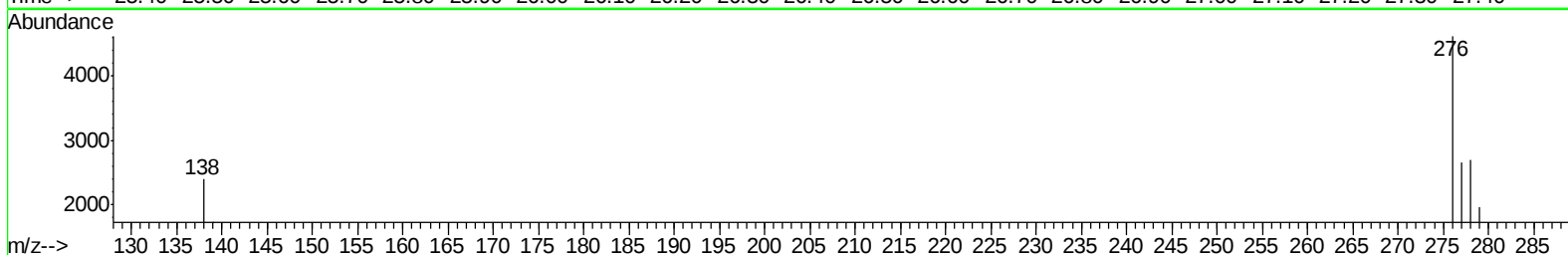
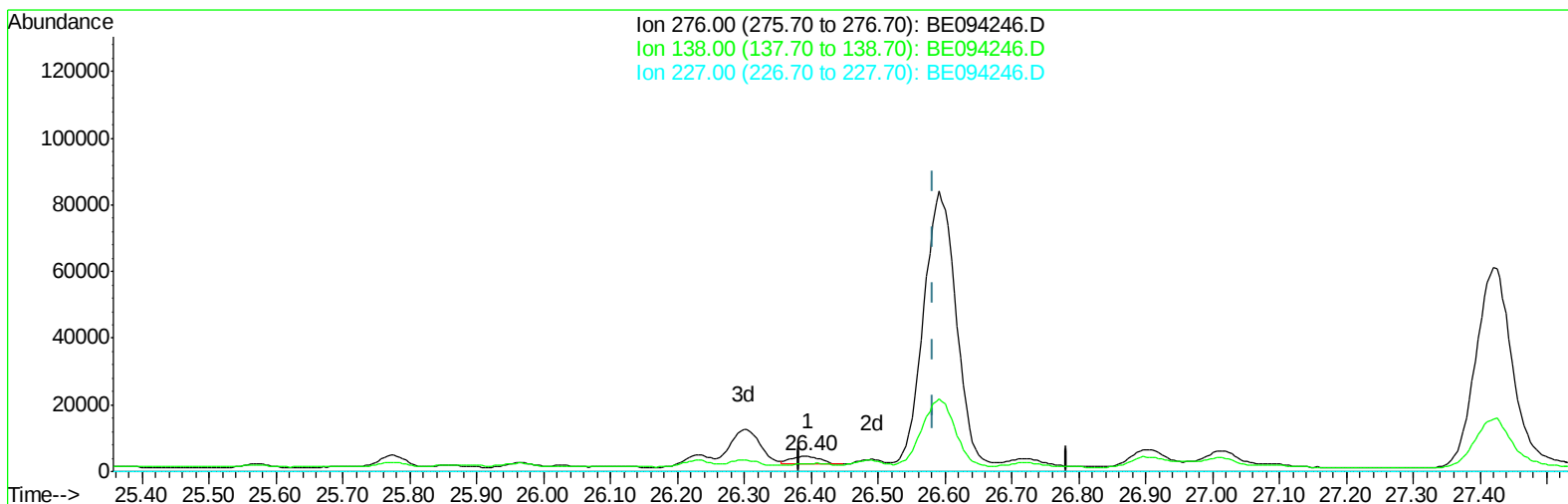
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094246.D
Acq On : 10 Oct 2017 6:41
Operator : SJ/JU
Sample : I5533-08
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-54(7-8)-092817

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:46 PM

Quant Time: Oct 10 11:42:17 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: BE094246.D

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

26.395min (-0.188) 0.16ng/ul

response 7710

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	30.62
227.00	10.00	0.00#
0.00	0.00	0.00

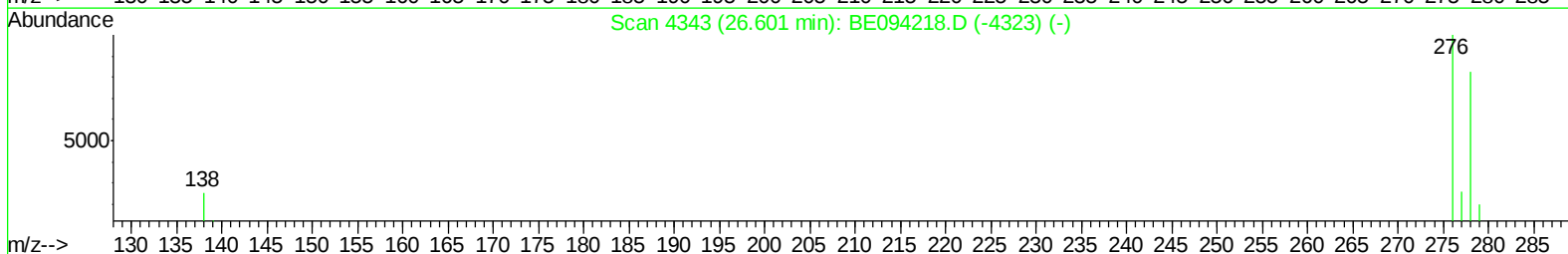
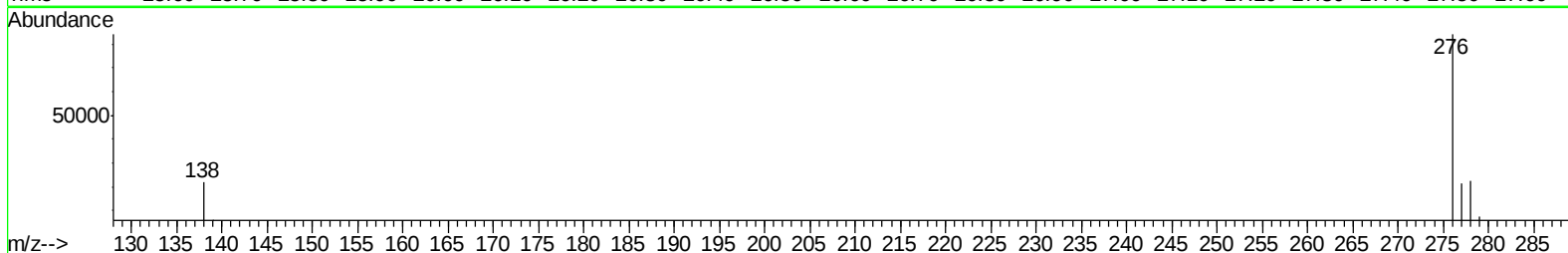
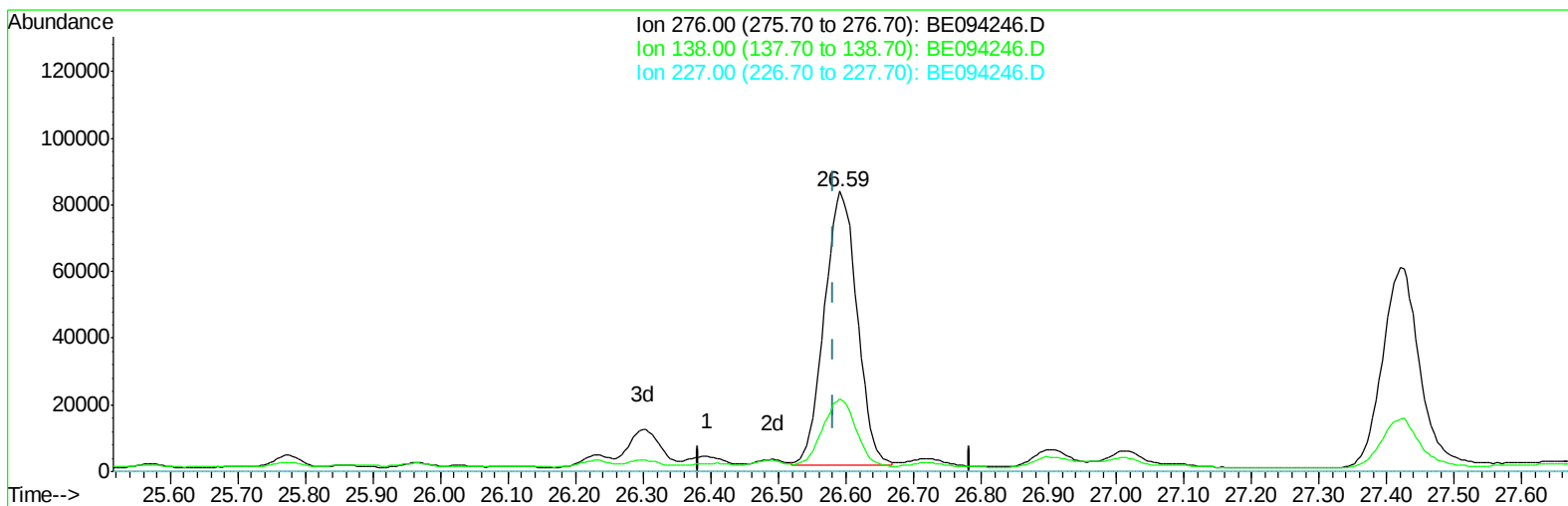
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094246.D
Acq On : 10 Oct 2017 6:41
Operator : SJ/JU
Sample : I5533-08
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-54(7-8)-092817

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:46 PM

Quant Time: Oct 10 11:42:17 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: BE094246.D

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

26.591min (+0.008) 5.89ng/ul m

response 276570

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	0.85#
227.00	10.00	0.00#
0.00	0.00	0.00

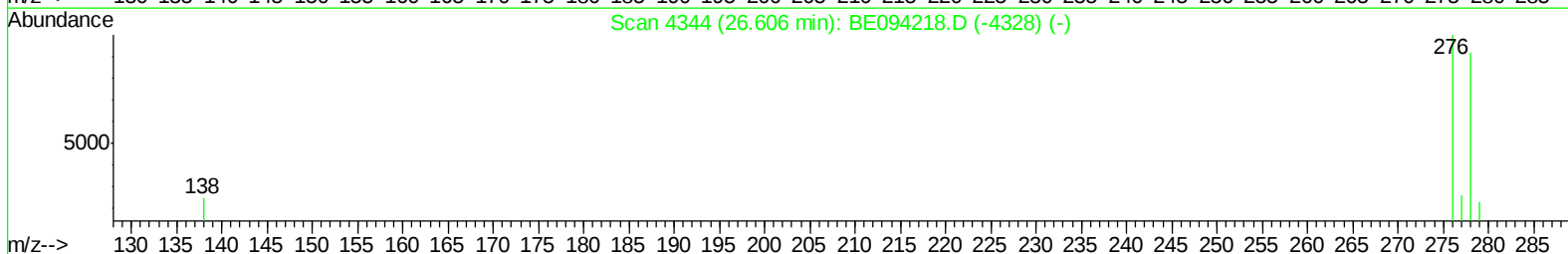
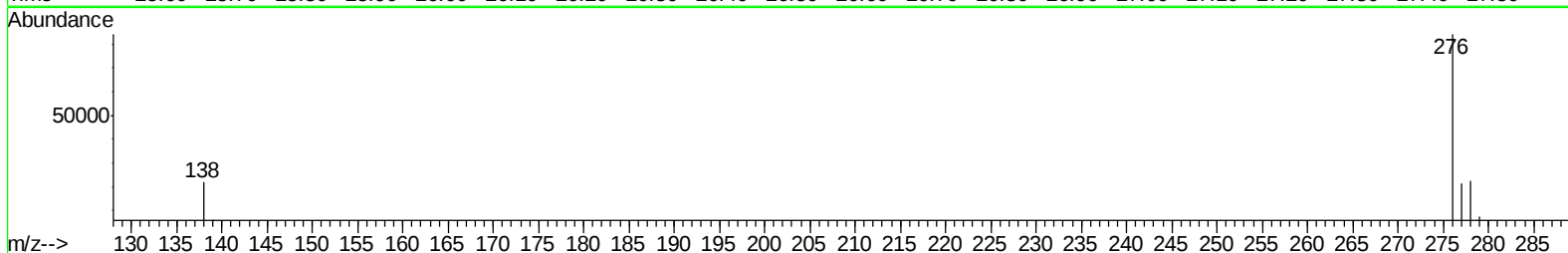
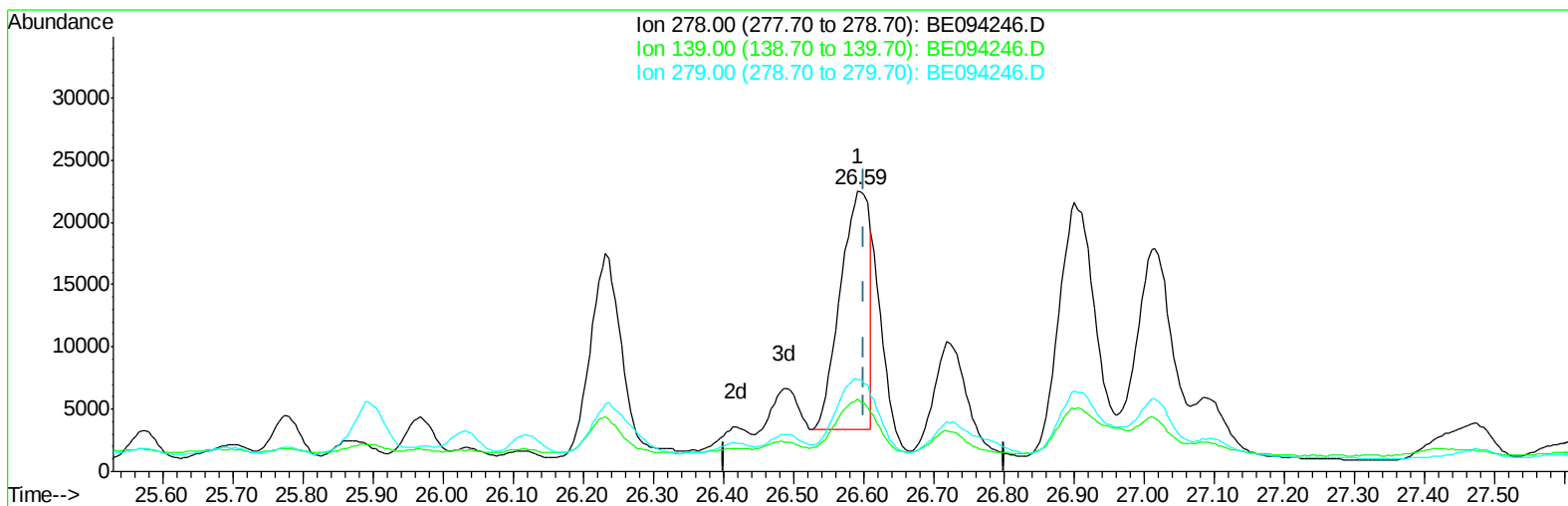
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094246.D
Acq On : 10 Oct 2017 6:41
Operator : SJ/JU
Sample : I5533-08
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-54(7-8)-092817

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:46 PM

Quant Time: Oct 10 11:42:17 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: BE094246.D

(25) Dibenzo(a,h)anthracene

26.591min (-0.010) 1.41ng/ul

response 55352

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	25.87
279.00	32.40	32.95
0.00	0.00	0.00

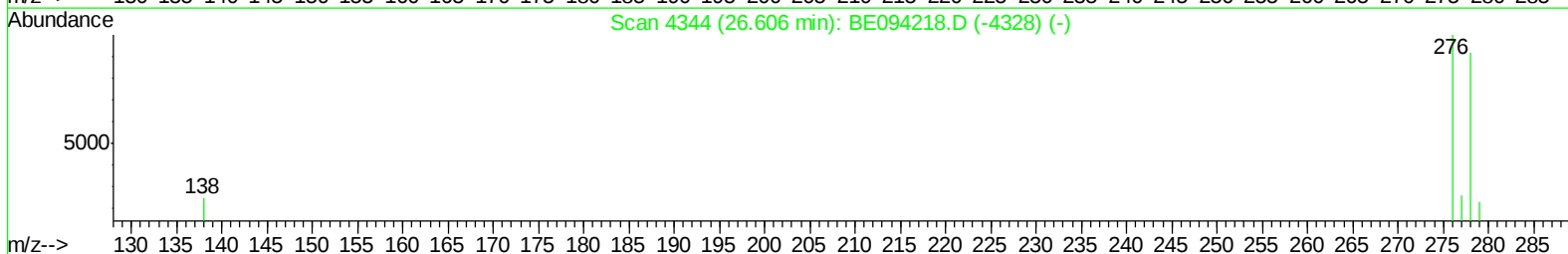
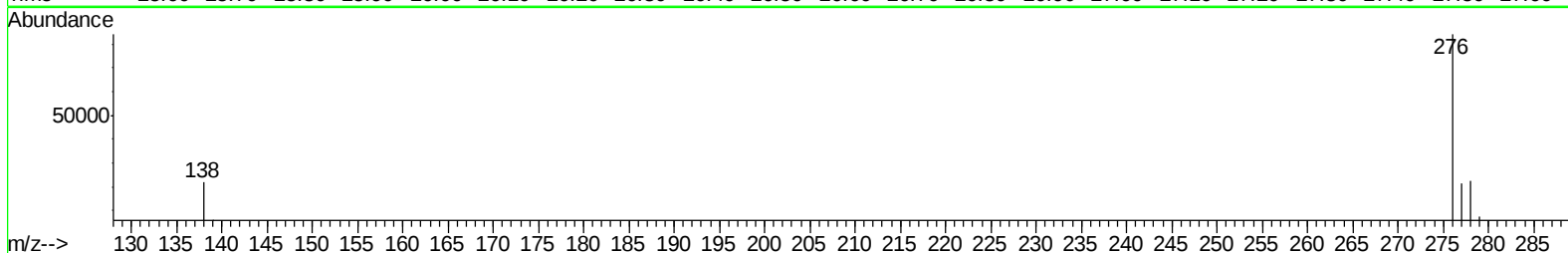
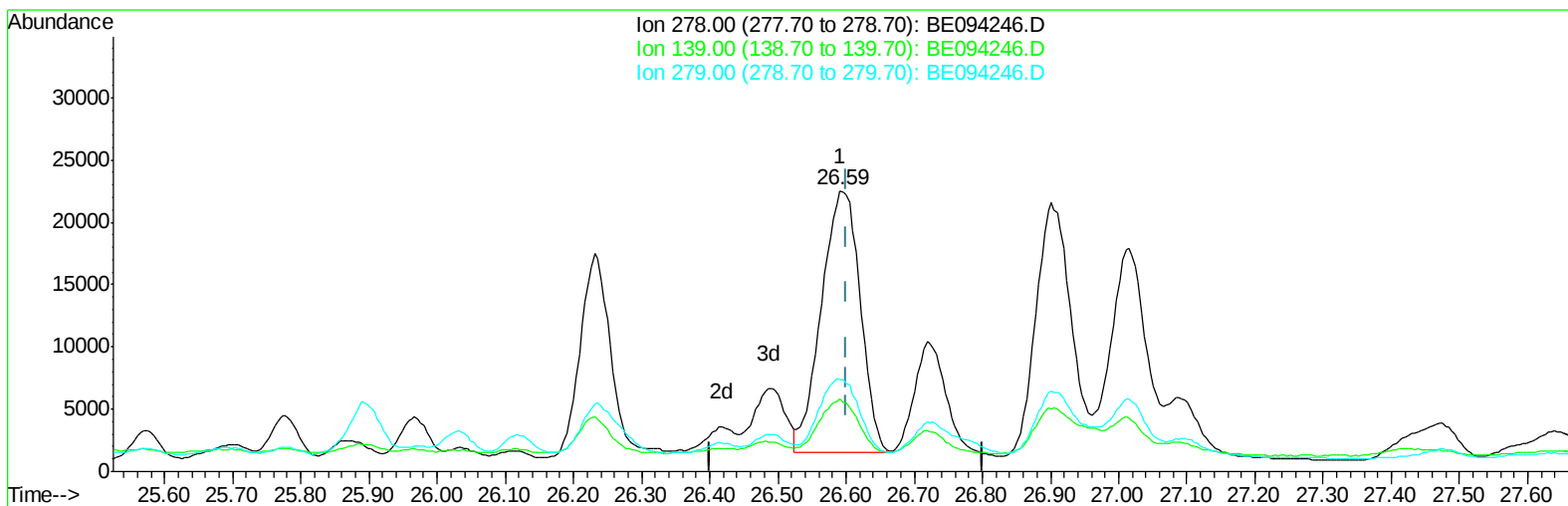
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094246.D
Acq On : 10 Oct 2017 6:41
Operator : SJ/JU
Sample : I5533-08
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-54(7-8)-092817

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:46 PM

Quant Time: Oct 10 11:42:17 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: BE094246.D

(25) Dibenzo(a,h)anthracene

26.591min (-0.010) 2.11ng/ul m

response 83040

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	25.87
279.00	32.40	32.95
0.00	0.00	0.00

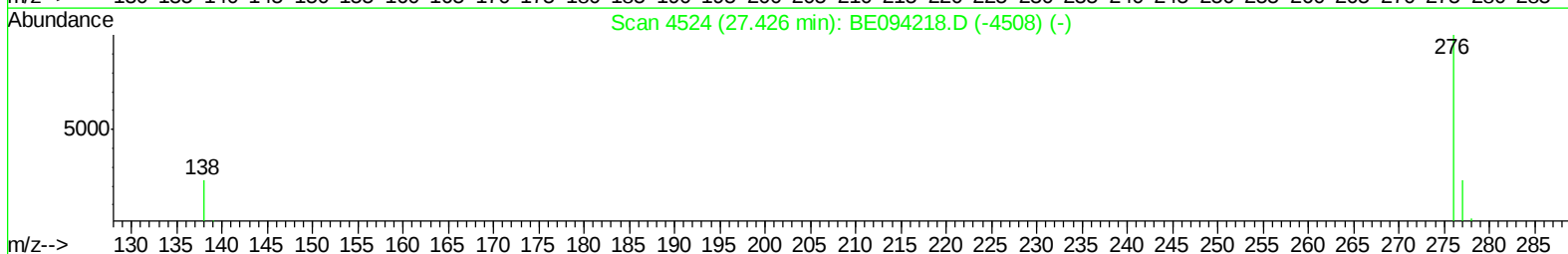
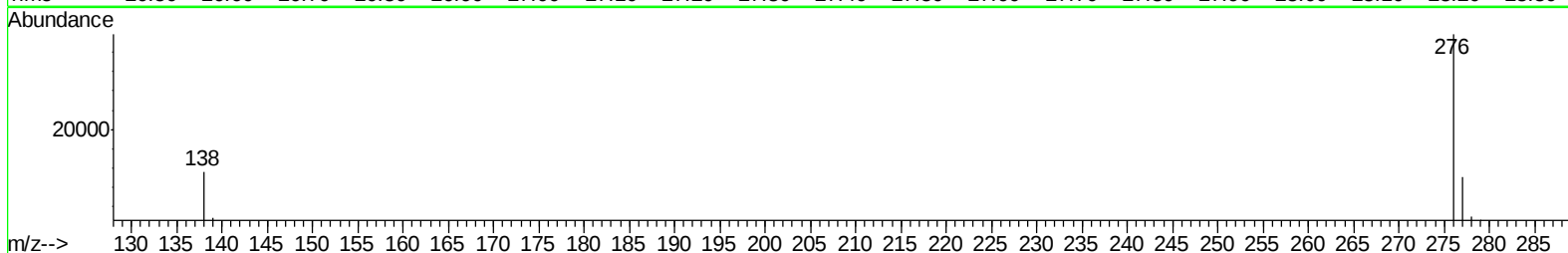
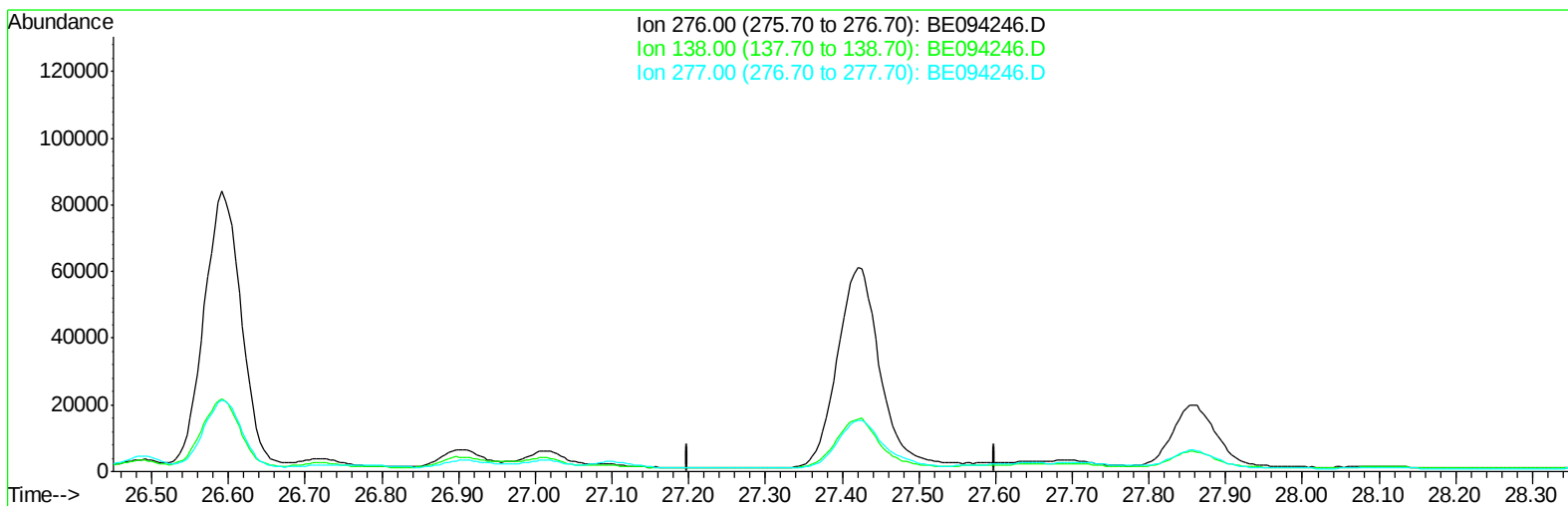
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094246.D
Acq On : 10 Oct 2017 6:41
Operator : SJ/JU
Sample : I5533-08
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-54(7-8)-092817

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:46 PM

Quant Time: Oct 10 11:42:17 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: BE094246.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

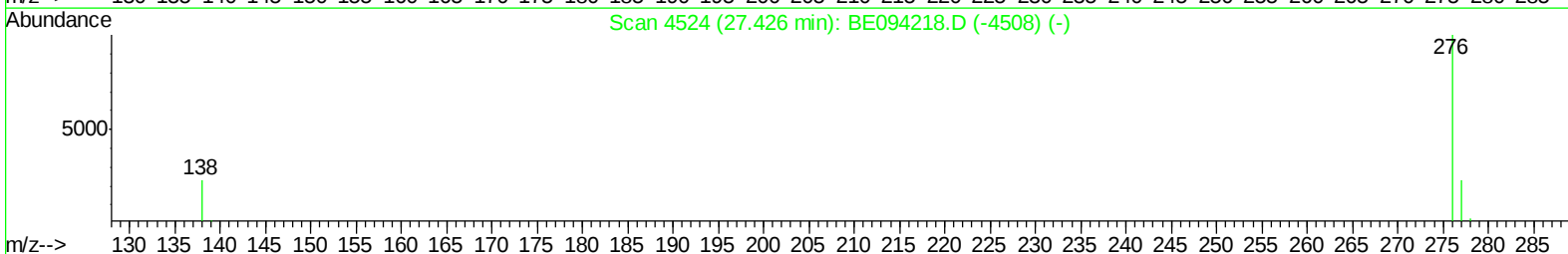
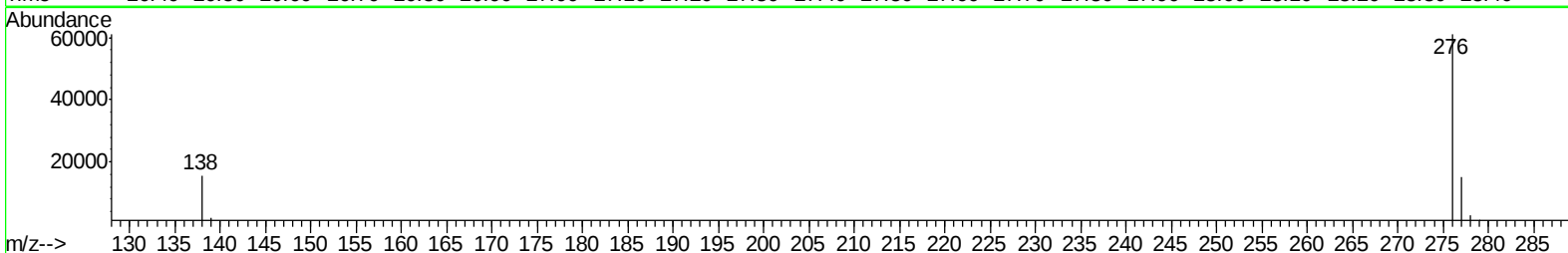
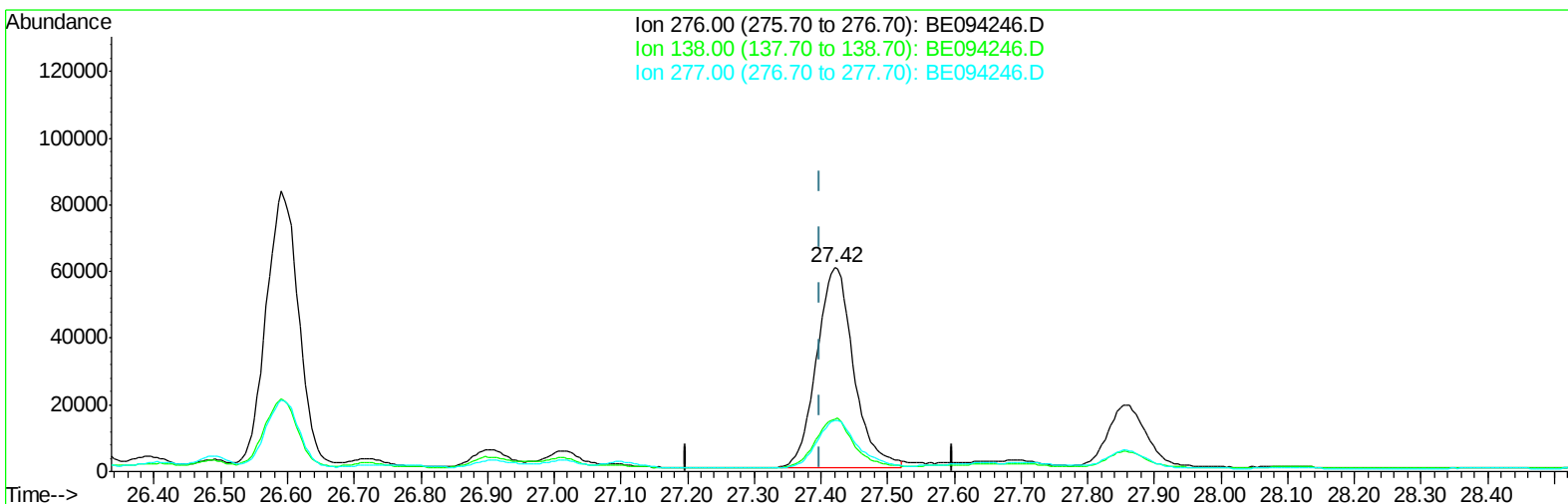
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
 Data File : BE094246.D
 Acd On : 10 Oct 2017 6:41
 Operator : SJ/JU
 Sample : I5533-08
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-54(7-8)-092817

Manual Integrations
 APPROVED

Sohil
 10/10/2017 4:57:46 PM

Quant Time: Oct 10 11:42:17 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: BE094246.D

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

27.420min (+0.022) 5.68ng/ul m

response 230295

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	25.73
277.00	25.60	25.01
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
 Data File : BE094246.D
 Acq On : 10 Oct 2017 6:41
 Operator : SJ/JU
 Sample : I5533-08
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-54(7-8)-092817

Manual Integrations
 APPROVED

Sohil
 10/10/2017 4:57:46 PM

Quant Time: Oct 10 11:44:55 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	2464	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	12489	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	7417	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	15221	0.40	ng/ul	-0.02
16) Chrysene-d12	21.42	240	14387	0.40	ng/ul	0.00
20) Perylene-d12	23.93	264	16264m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	3827	0.20	ng/ul	-0.01
14) Fluoranthene-d10	19.27	212	8689	0.17	ng/ul	-0.01
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	16912	0.55	ng/ul#	92
5) 2-Methylnaphthalene	12.35	142	4033	0.20	ng/ul	98
7) Acenaphthylene	14.24	152	12655	0.44	ng/ul	100
8) Acenaphthene	14.58	153	19265	0.81	ng/ul	97
9) Fluorene	15.57	166	19834	0.71	ng/ul	94
12) Phenanthrene	17.29	178	236422	5.94	ng/ul#	92
13) Anthracene	17.38	178	79152	2.05	ng/ul#	92
15) Fluoranthene	19.30	202	880049	16.84	ng/ul	84
17) Pyrene	19.67	202	933893	23.33	ng/ul#	84
18) Benzo(a)anthracene	21.40	228	643680	16.86	ng/ul#	88
19) Chrysene	21.45	228	590993	13.41	ng/ul	98
21) Benzo(b)fluoranthene	23.16	252	608686m	13.78	ng/ul	
22) Benzo(k)fluoranthene	23.20	252	229652m	4.50	ng/ul	
23) Benzo(a)pyrene	23.82	252	498776m	10.86	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.59	276	276570m	5.89	ng/ul	
25) Dibenzo(a,h)anthracene	26.59	278	83040m	2.11	ng/ul	
26) Benzo(a,h,i)perylene	27.42	276	230295m	5.68	ng/ul	

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

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094246.D
Acq On : 10 Oct 2017 6:41
Operator : SJ/JU
Sample : I5533-08
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-54(7-8)-092817

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:46 PM

Quant Time: Oct 10 11:44:55 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

