

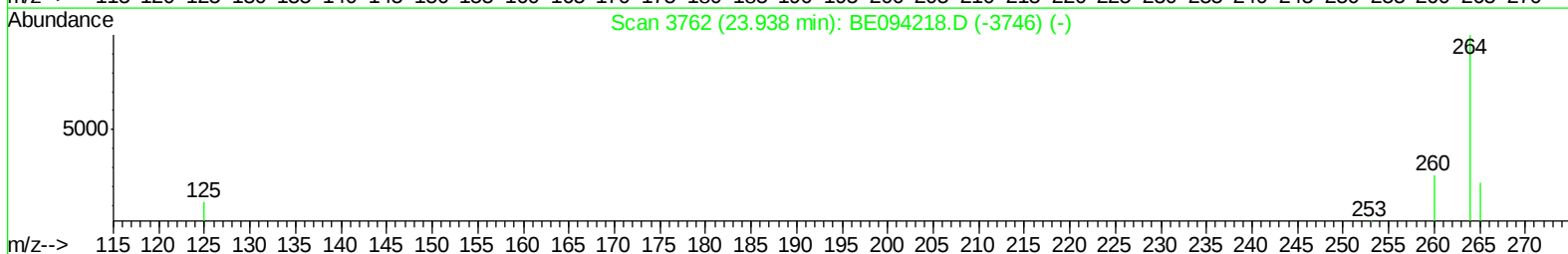
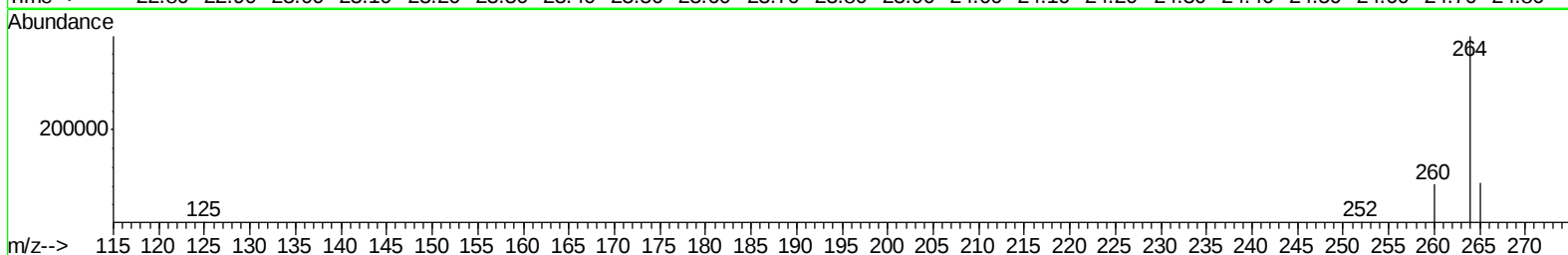
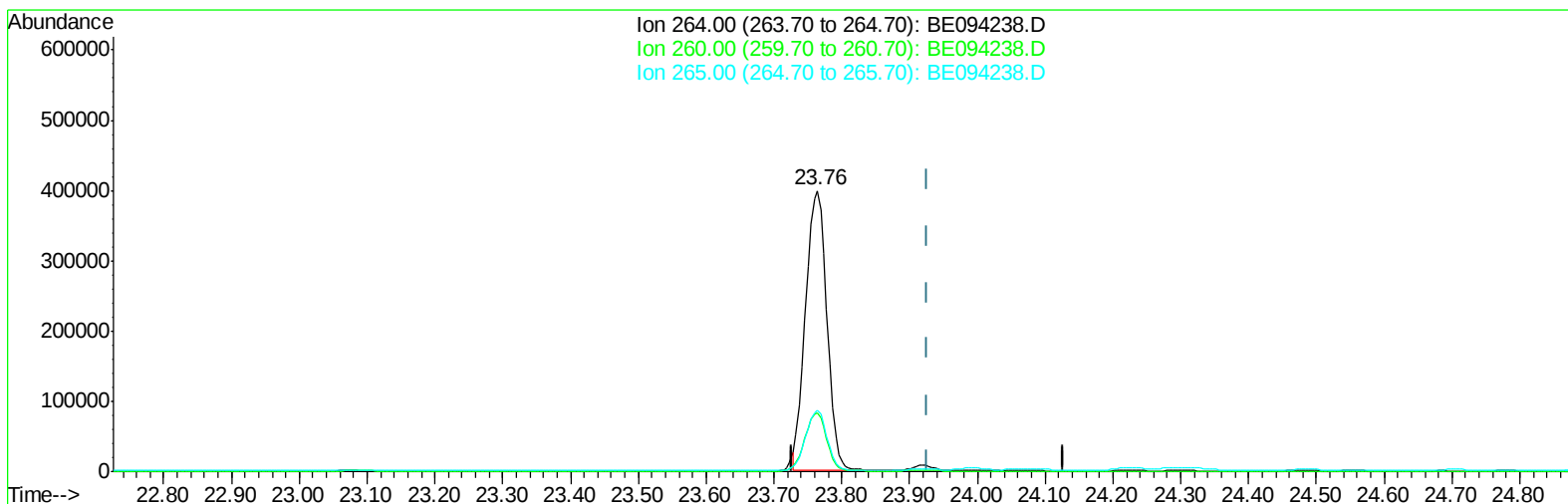
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094238.D
Acq On : 10 Oct 2017 1:46
Operator : SJ/JU
Sample : I5522-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:58:39 PM

Quant Time: Oct 10 08:51:45 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: BE094238.D

(20) Perylene-d12 (I)

23.764min (-0.163) 0.40ng/ul

response 868794

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.99#
265.00	103.50	21.83#
0.00	0.00	0.00

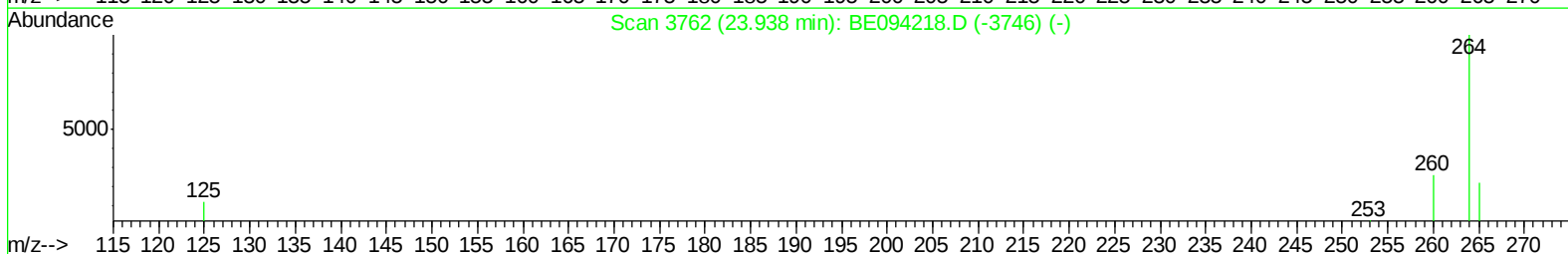
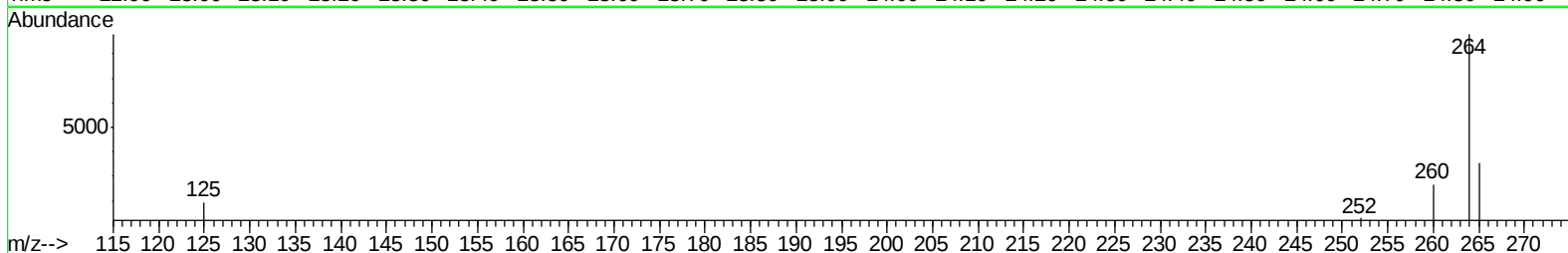
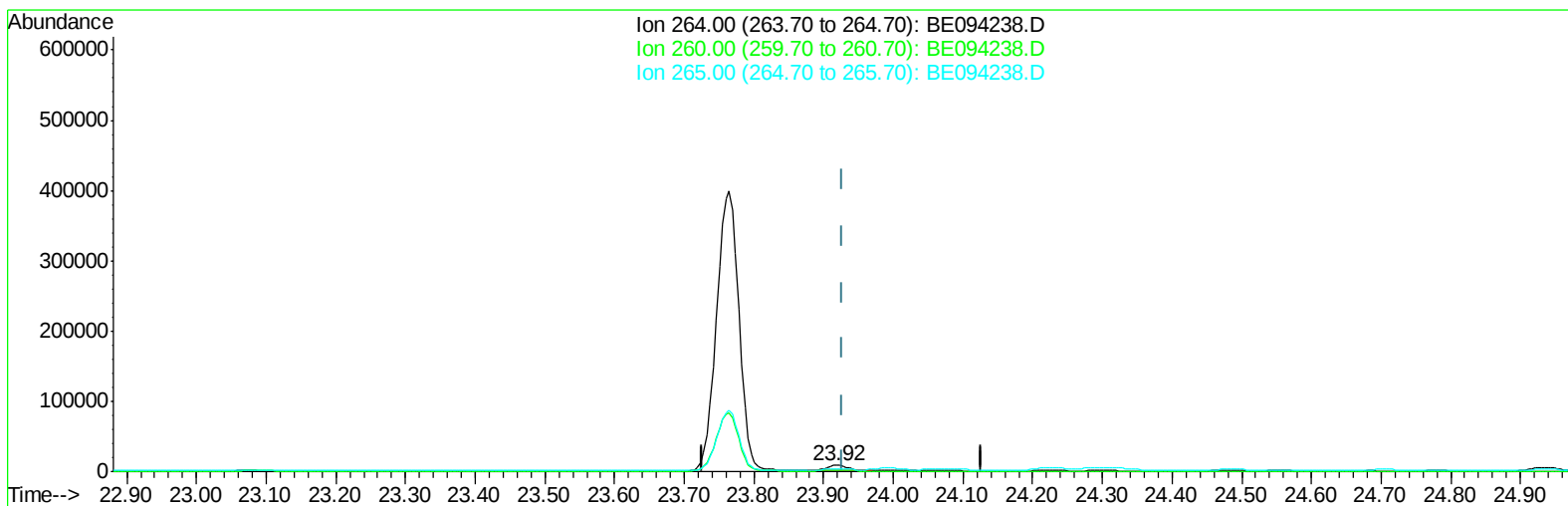
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094238.D
Acq On : 10 Oct 2017 1:46
Operator : SJ/JU
Sample : I5522-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:58:39 PM

Quant Time: Oct 10 08:51:45 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: BE094238.D

(20) Perylene-d12 (I)

23.919min (-0.008) 0.40ng/ul m

response 15834

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	30.40
265.00	103.50	40.51#
0.00	0.00	0.00

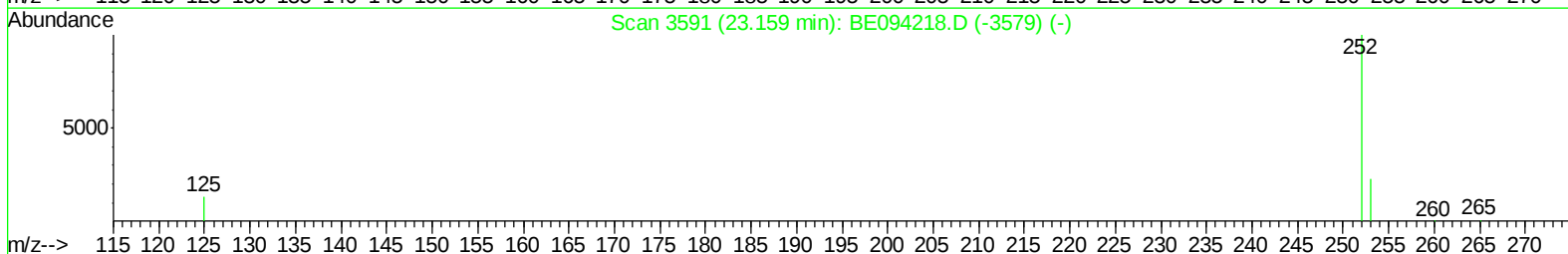
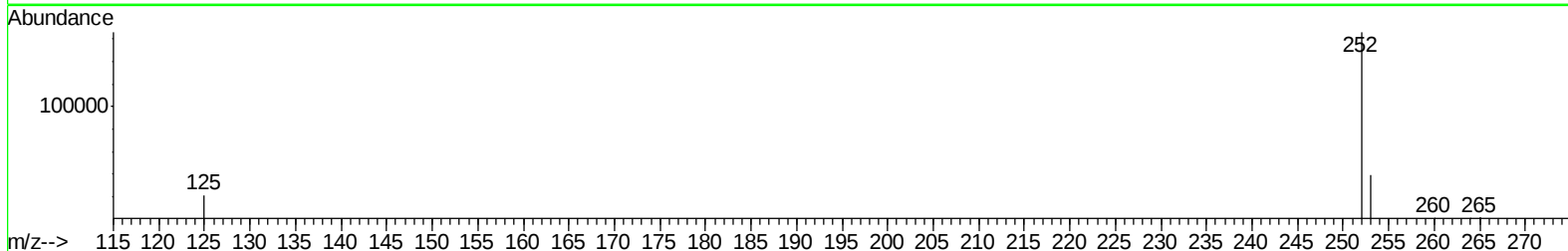
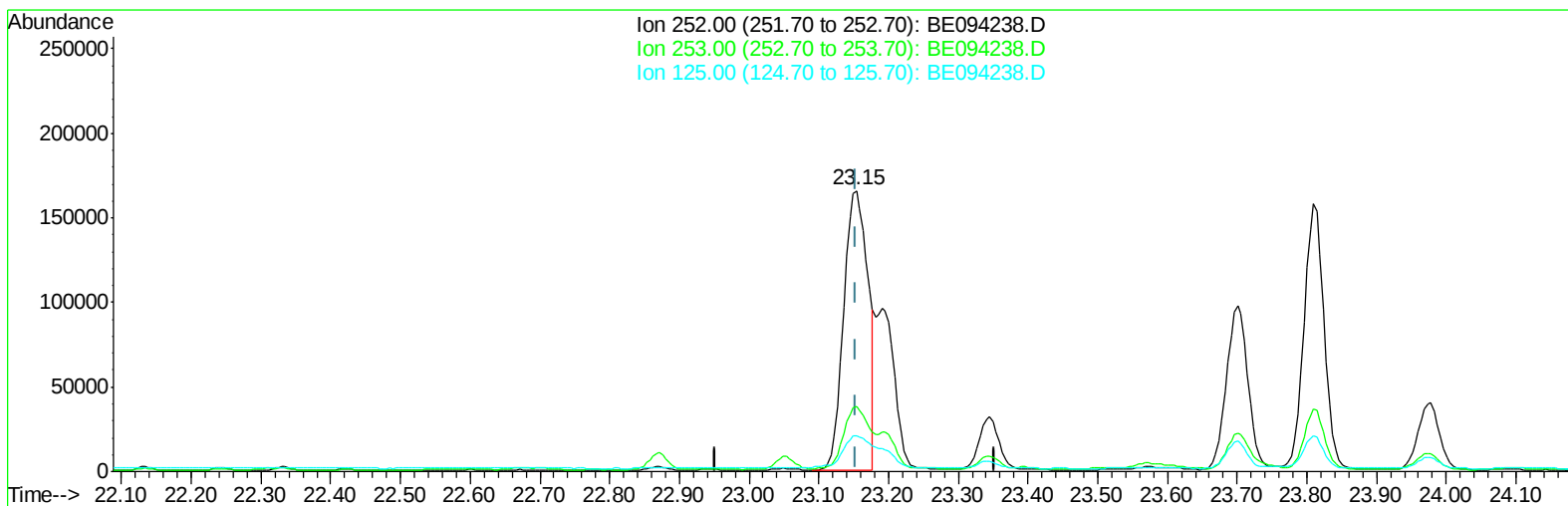
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094238.D
Acq On : 10 Oct 2017 1:46
Operator : SJ/JU
Sample : I5522-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:58:39 PM

Quant Time: Oct 10 08:51:45 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: BE094238.D

(21) Benzo(b)fluoranthene

23.154min (+0.001) 9.25ng/ul

response 397889

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.26
125.00	17.50	12.95
0.00	0.00	0.00

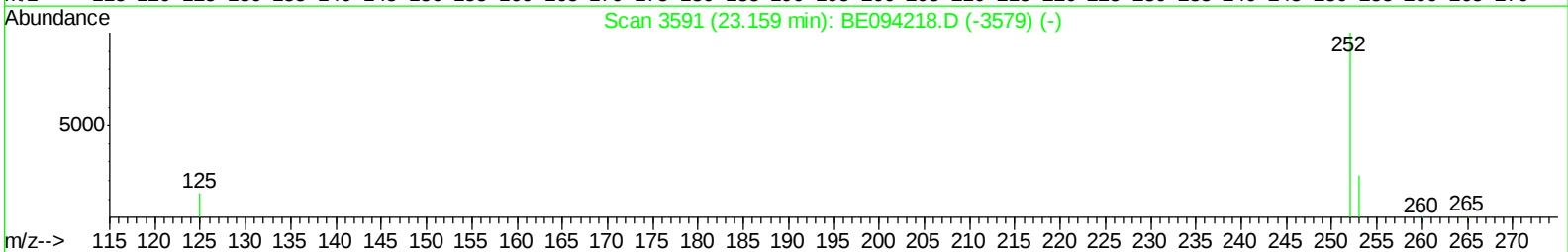
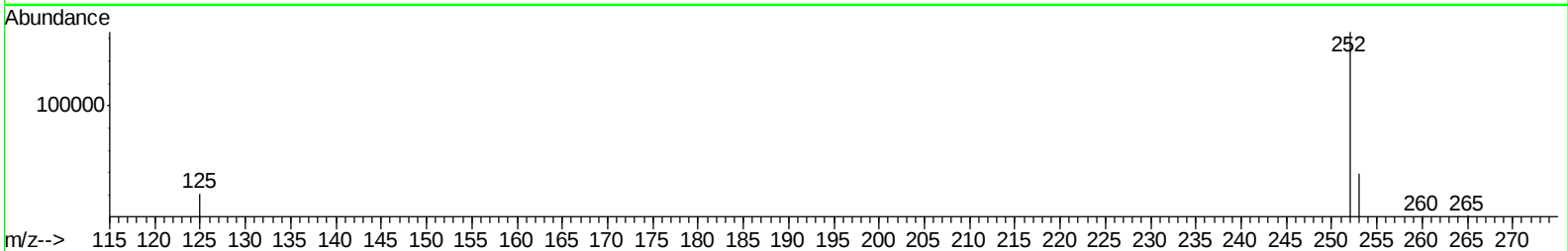
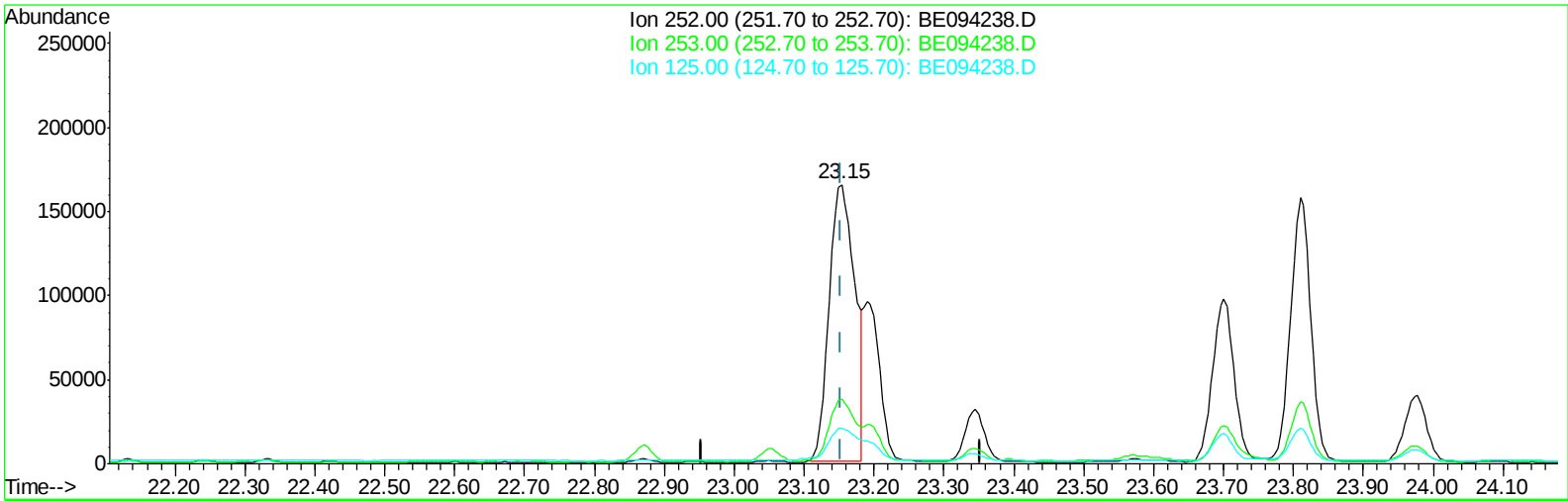
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094238.D
Acq On : 10 Oct 2017 1:46
Operator : SJ/JU
Sample : I5522-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:58:39 PM

Quant Time: Oct 10 08:51:45 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: BE094238.D

(21) Benzo(b)fluoranthene

23.154min (+0.001) 9.78ng/ul m

response 420669

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.26
125.00	17.50	12.95
0.00	0.00	0.00

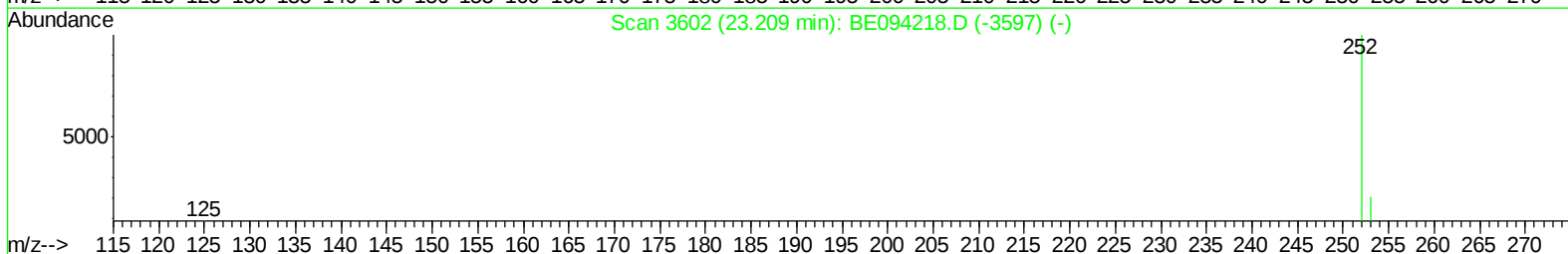
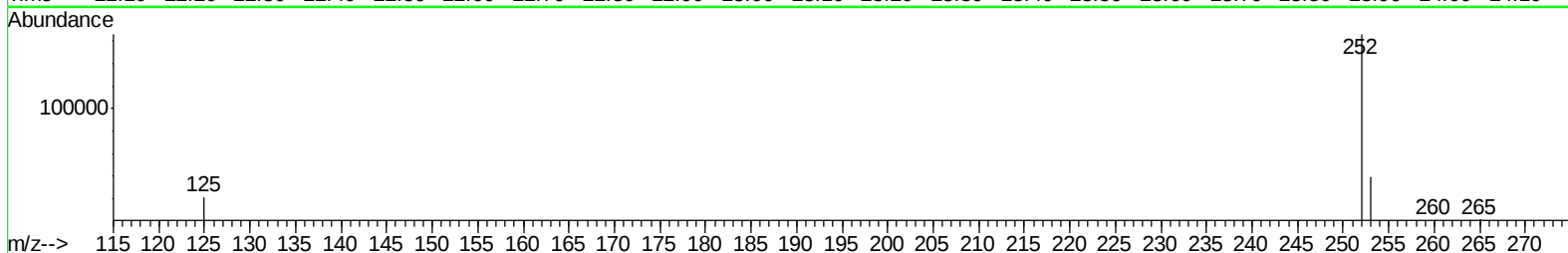
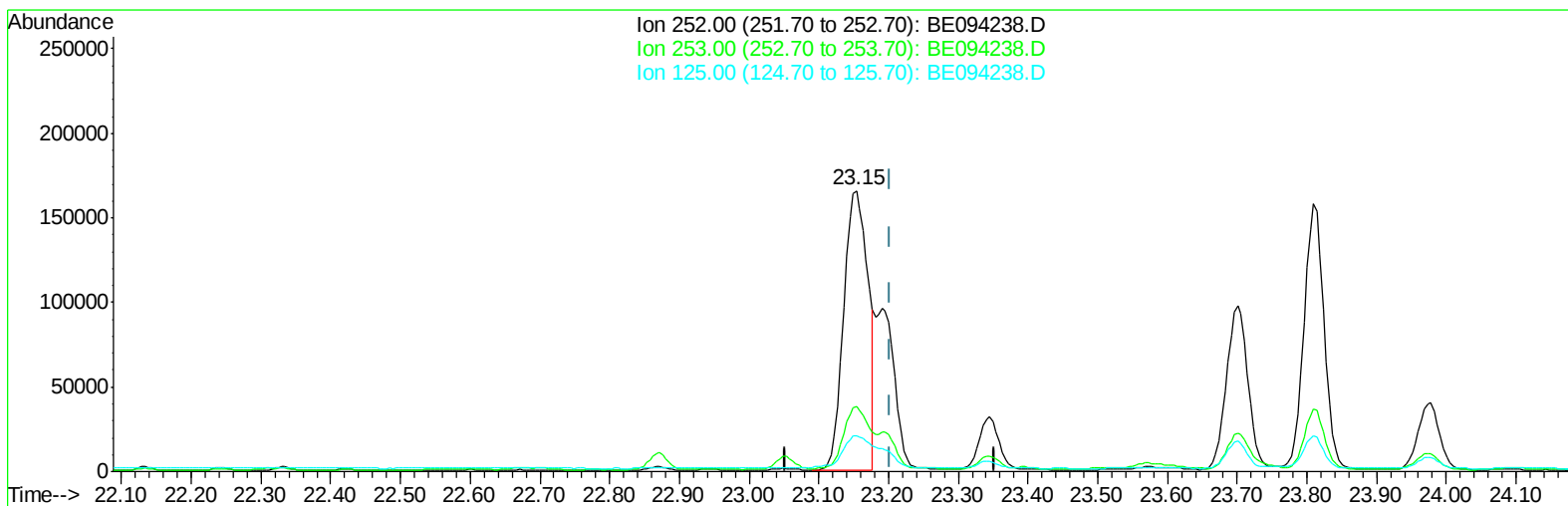
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094238.D
Acq On : 10 Oct 2017 1:46
Operator : SJ/JU
Sample : I5522-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:58:39 PM

Quant Time: Oct 10 08:51:45 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: BE094238.D

(22) Benzo(k)fluoranthene

23.154min (-0.049) 8.00ng/ul

response 397889

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.26#
125.00	17.10	12.95#
0.00	0.00	0.00

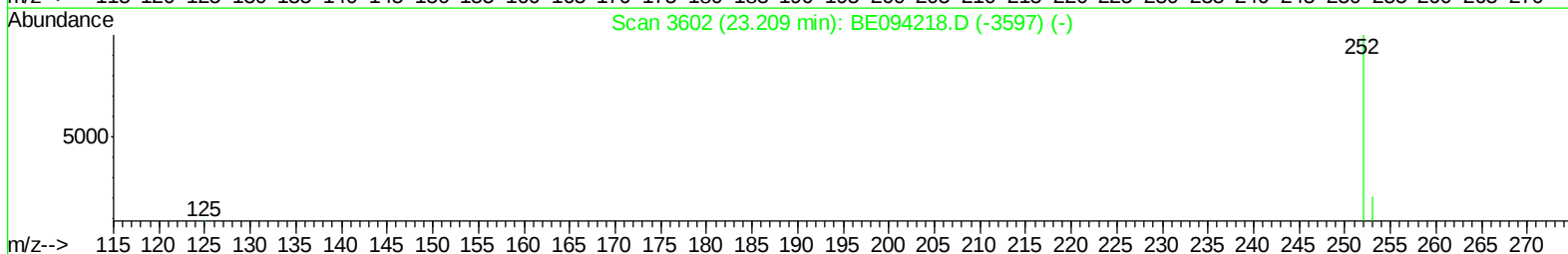
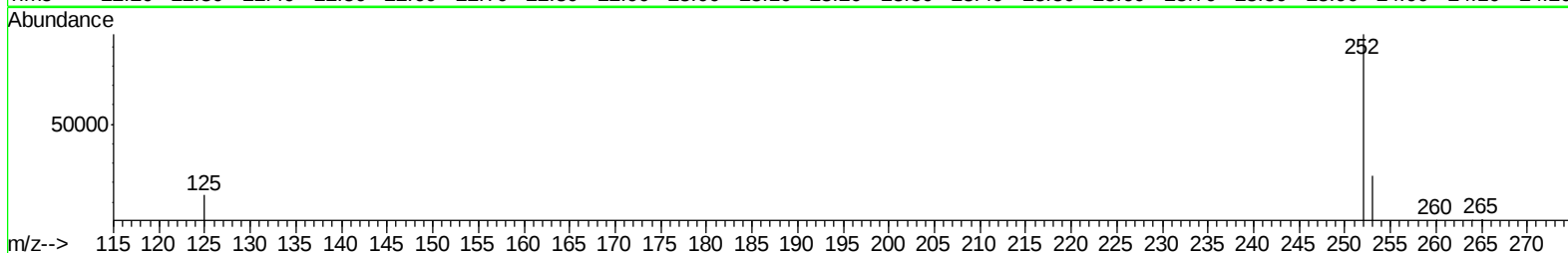
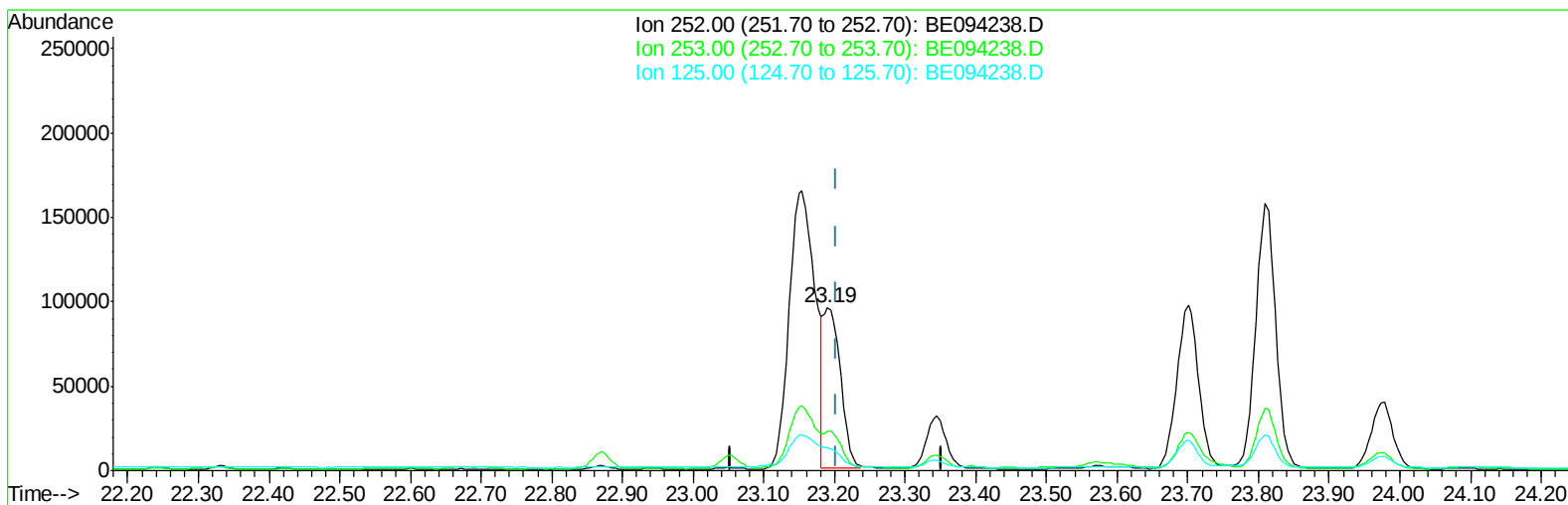
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094238.D
Acq On : 10 Oct 2017 1:46
Operator : SJ/JU
Sample : I5522-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:58:39 PM

Quant Time: Oct 10 08:51:45 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: BE094238.D

(22) Benzo(k)fluoranthene

23.190min (-0.013) 3.14ng/ul m

response 156118

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	24.17#
125.00	17.10	13.94
0.00	0.00	0.00

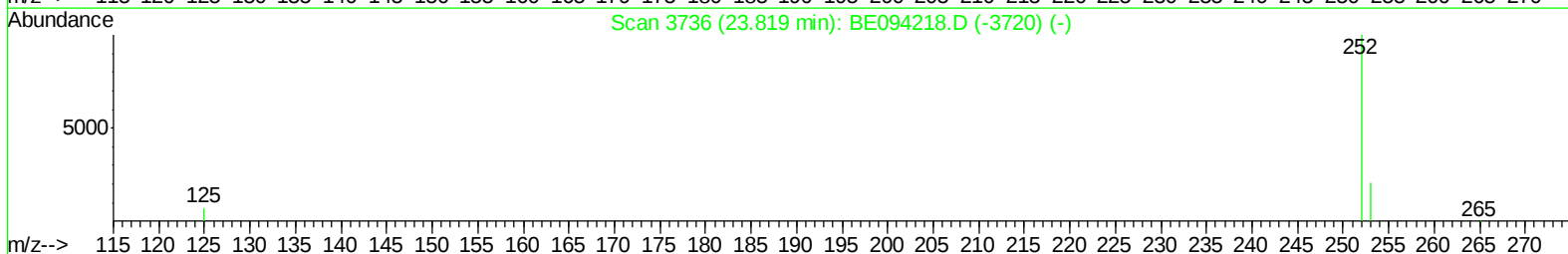
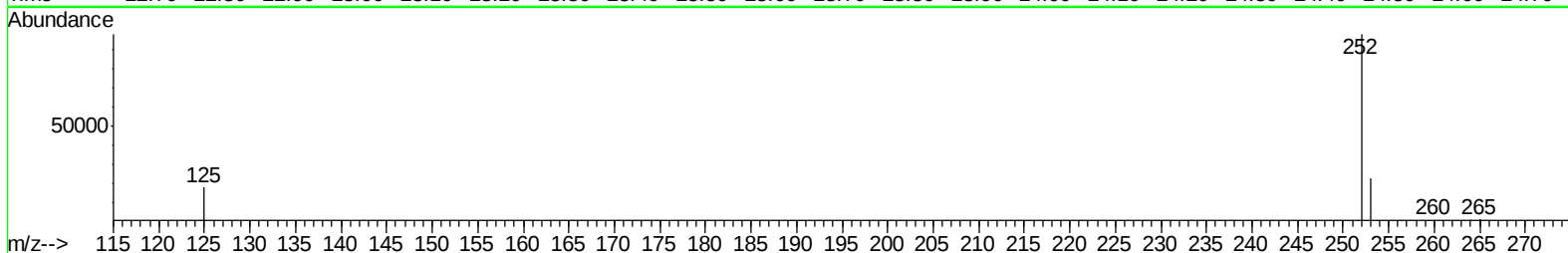
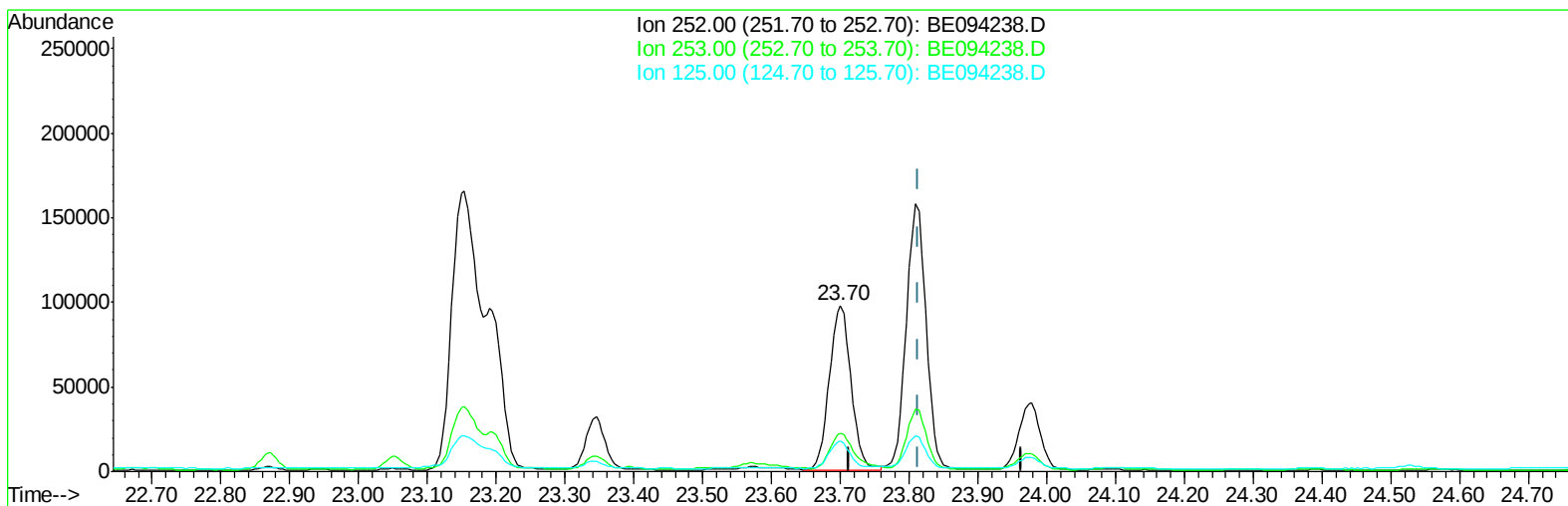
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094238.D
Acq On : 10 Oct 2017 1:46
Operator : SJ/JU
Sample : I5522-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:58:39 PM

Quant Time: Oct 10 08:51:45 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: BE094238.D

(23) Benzo(a)pyrene (C)

23.700min (-0.113) 4.70ng/ul

response 210015

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	23.16#
125.00	22.60	18.10
0.00	0.00	0.00

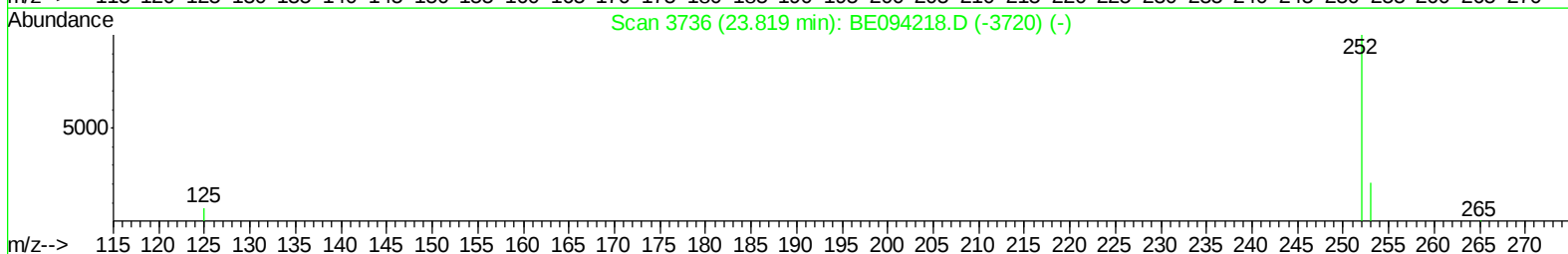
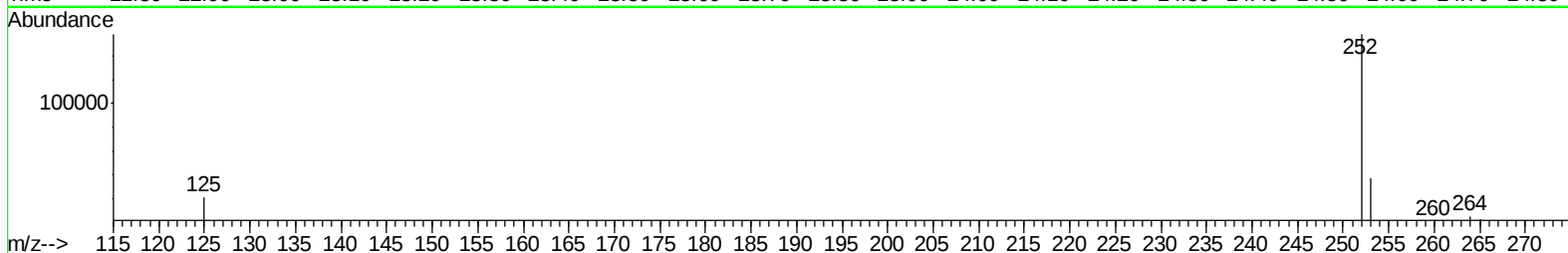
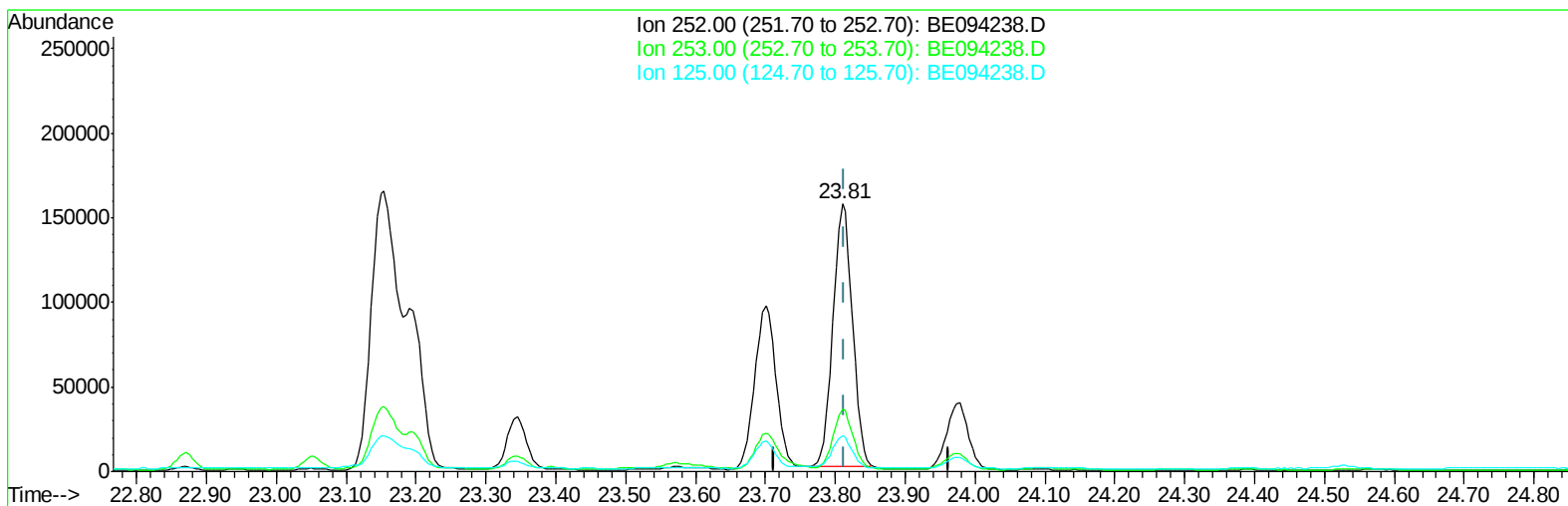
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094238.D
Acq On : 10 Oct 2017 1:46
Operator : SJ/JU
Sample : I5522-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:58:39 PM

Quant Time: Oct 10 08:51:45 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: BE094238.D

(23) Benzo(a)pyrene (C)

23.810min (-0.004) 6.73ng/ul m

response 300979

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	23.14#
125.00	22.60	13.44#
0.00	0.00	0.00

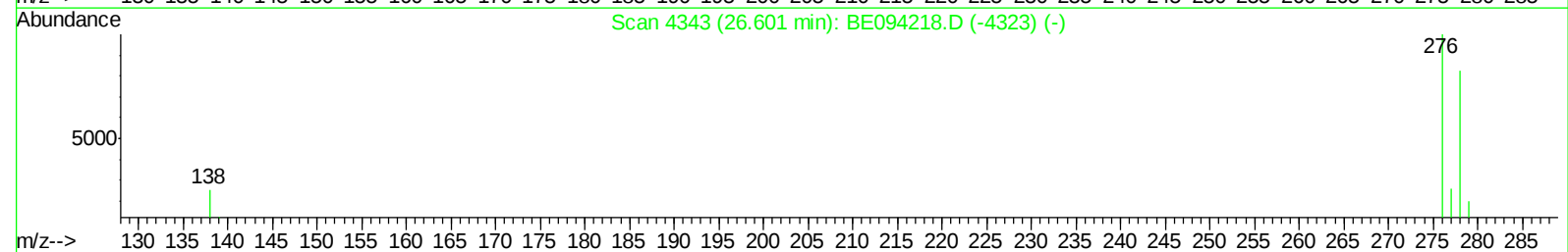
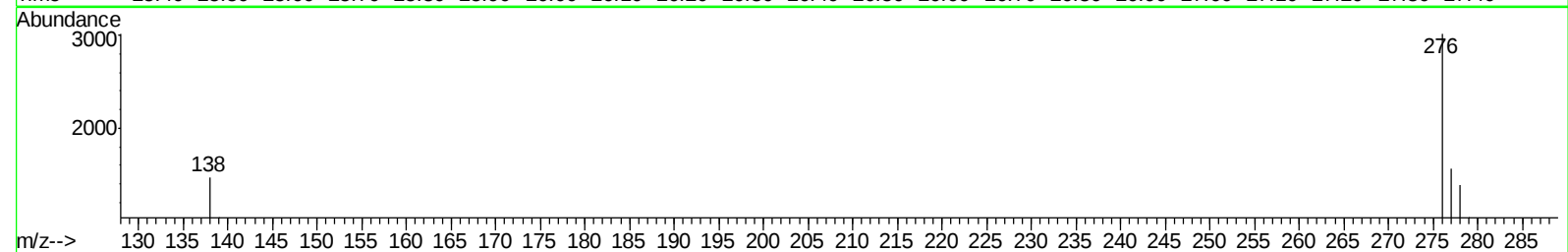
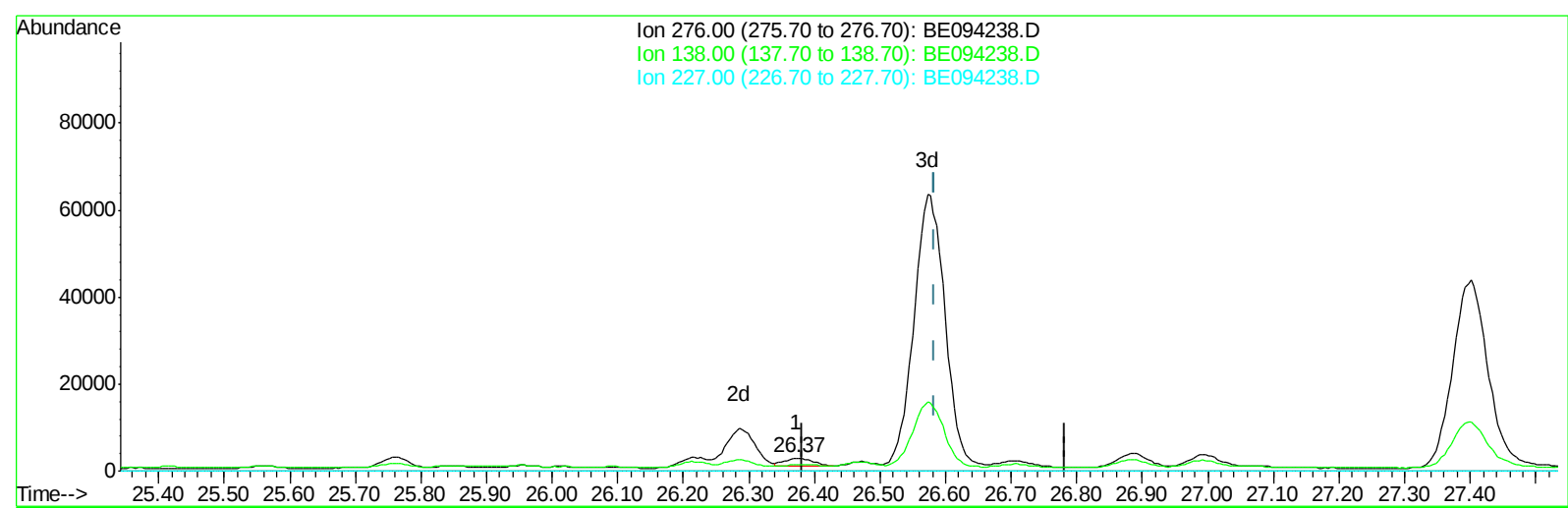
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094238.D
Acq On : 10 Oct 2017 1:46
Operator : SJ/JU
Sample : I5522-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:58:39 PM

Quant Time: Oct 10 08:51:45 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: BE094238.D

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

26.372min (-0.211) 0.11ng/ul

response 5258

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	30.56
227.00	10.00	0.00#
0.00	0.00	0.00

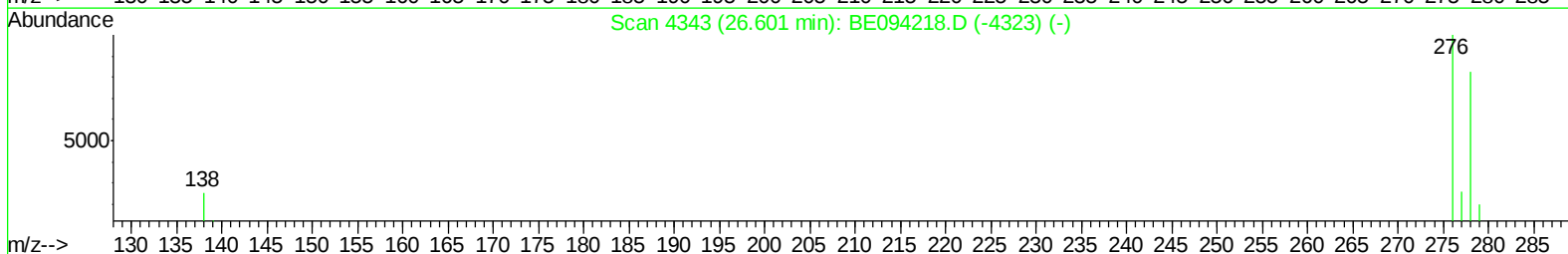
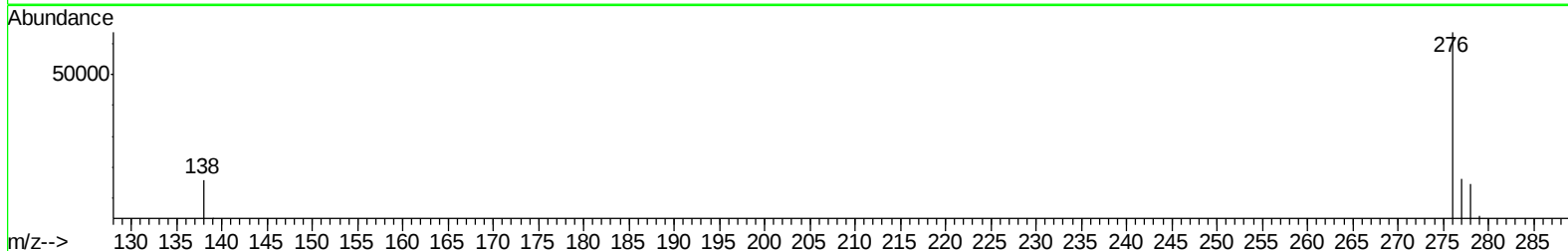
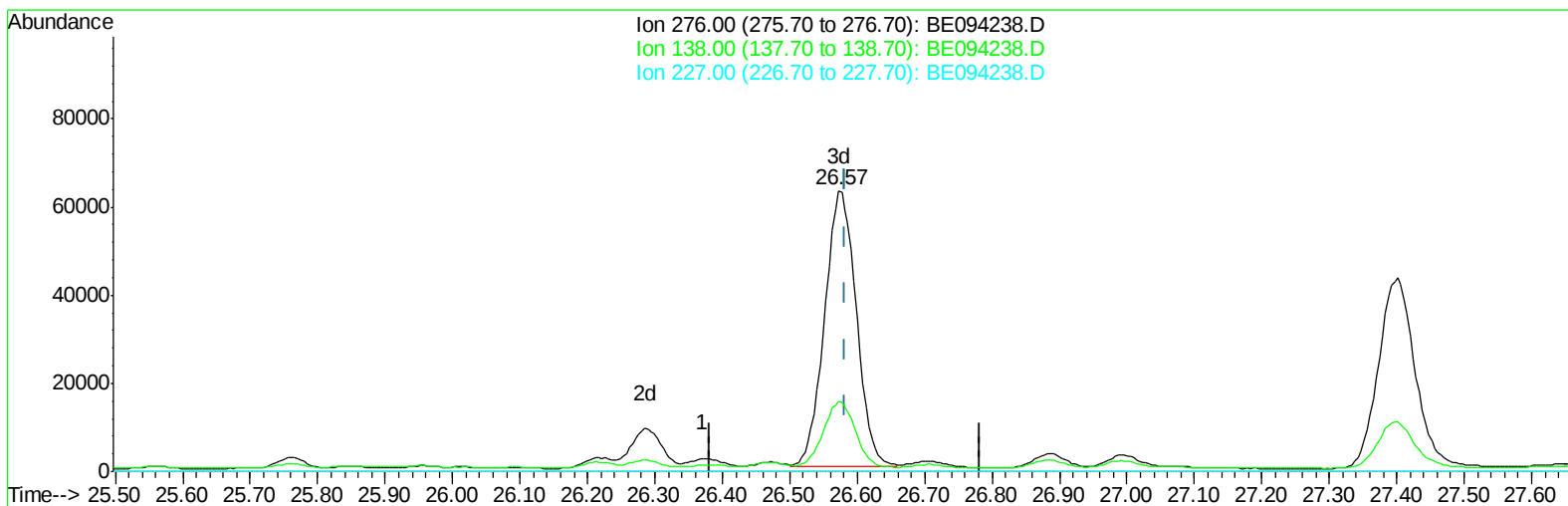
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094238.D
Acq On : 10 Oct 2017 1:46
Operator : SJ/JU
Sample : I5522-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:58:39 PM

Quant Time: Oct 10 08:51:45 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: BE094238.D

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

26.572min (-0.011) 4.47ng/ul m

response 204352

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	0.79#
227.00	10.00	0.00#
0.00	0.00	0.00

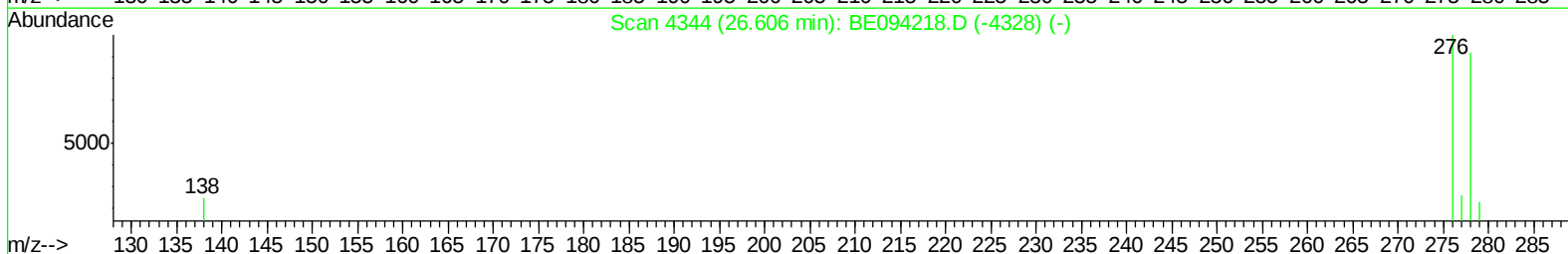
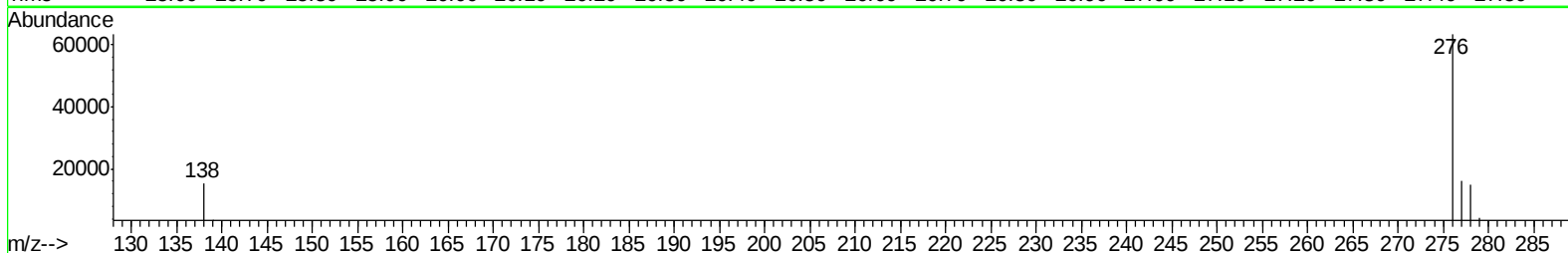
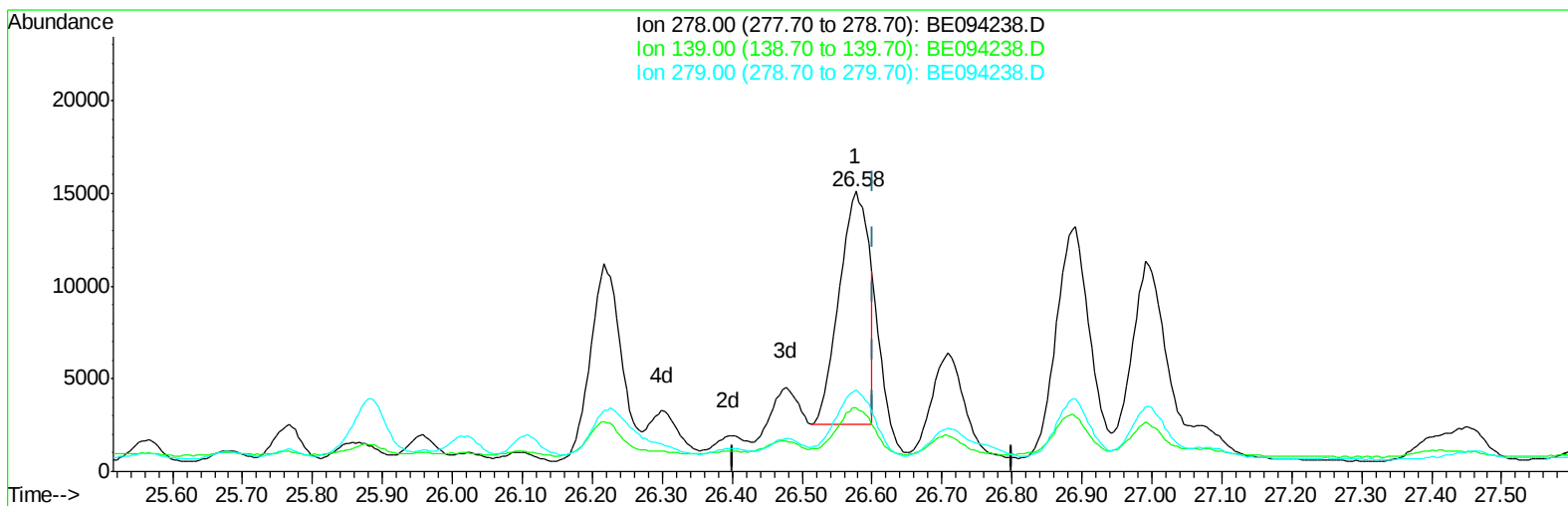
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094238.D
Acq On : 10 Oct 2017 1:46
Operator : SJ/JU
Sample : I5522-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:58:39 PM

Quant Time: Oct 10 08:51:45 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: BE094238.D

(25) Dibenzo(a,h)anthracene

26.577min (-0.024) 0.96ng/ul

response 36859

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	22.69
279.00	32.40	28.92
0.00	0.00	0.00

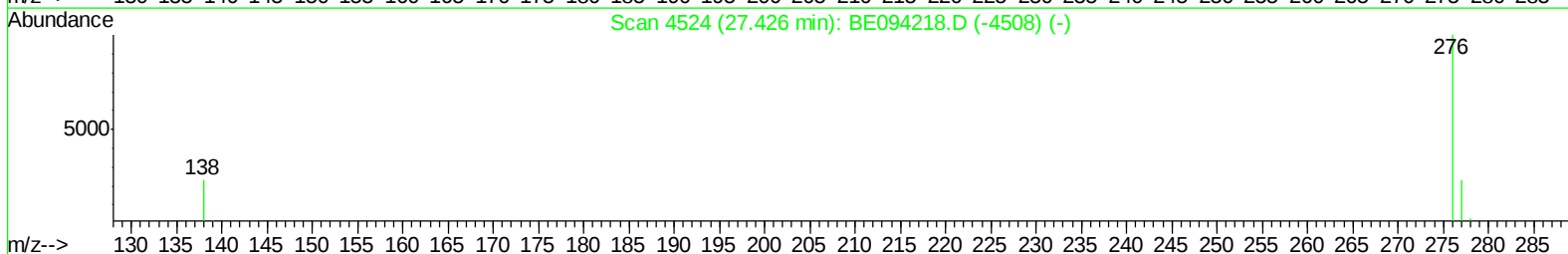
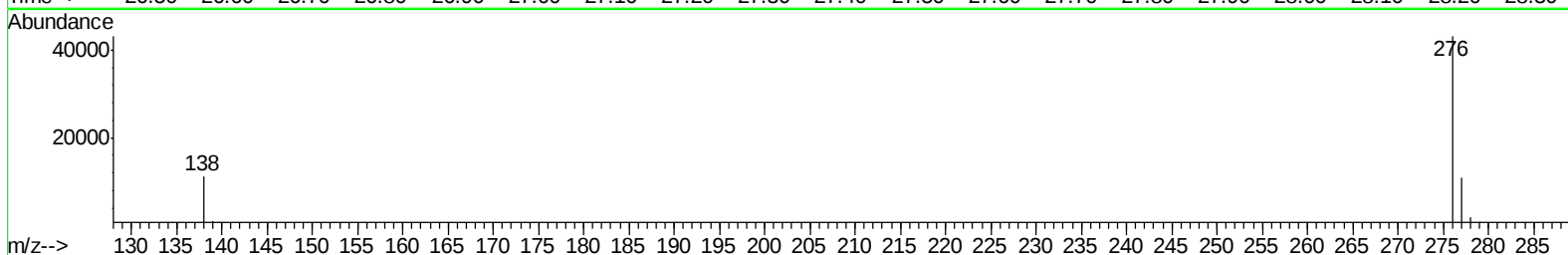
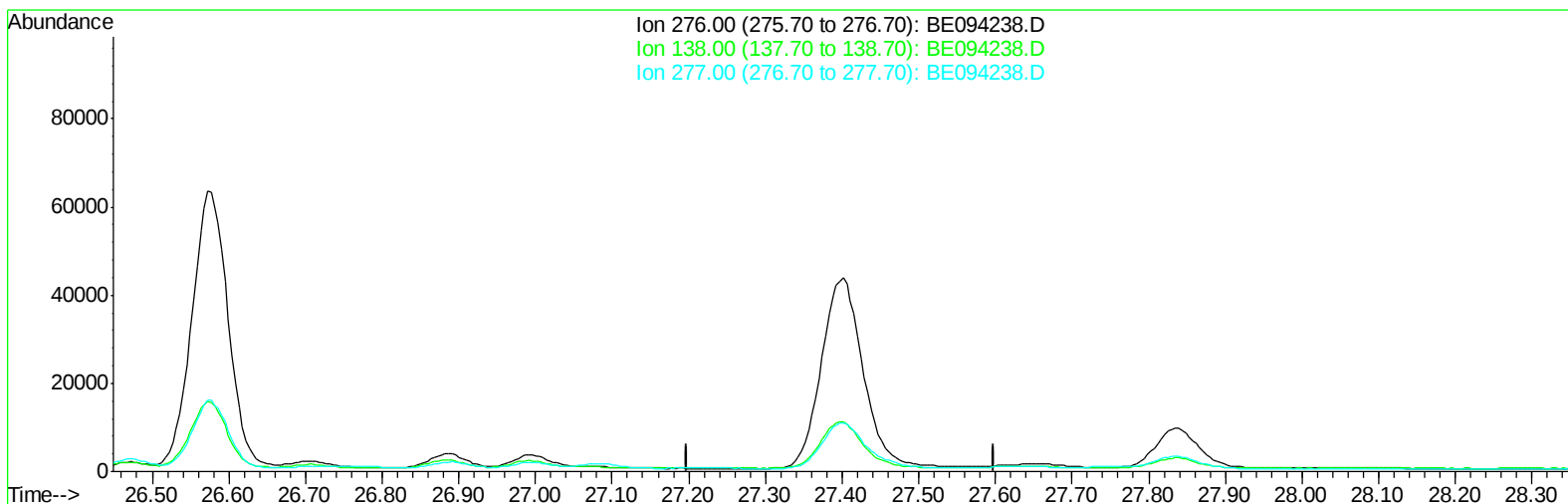
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094238.D
Acq On : 10 Oct 2017 1:46
Operator : SJ/JU
Sample : I5522-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:58:39 PM

Quant Time: Oct 10 08:51:45 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: BE094238.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

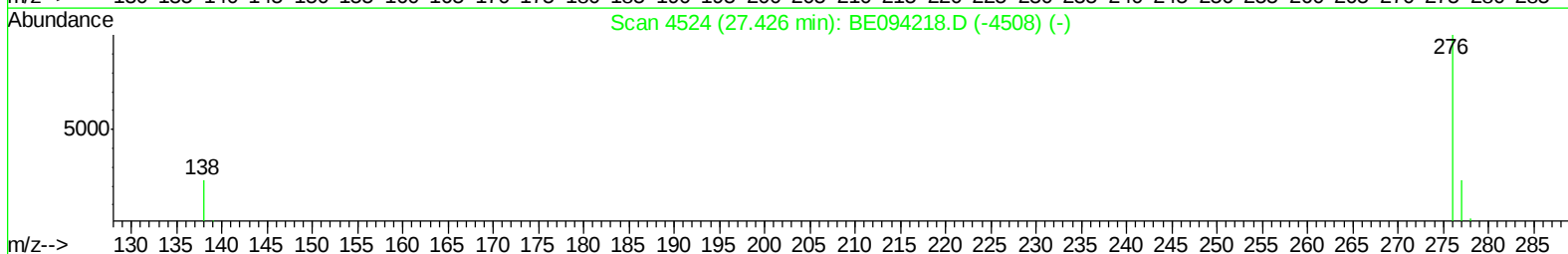
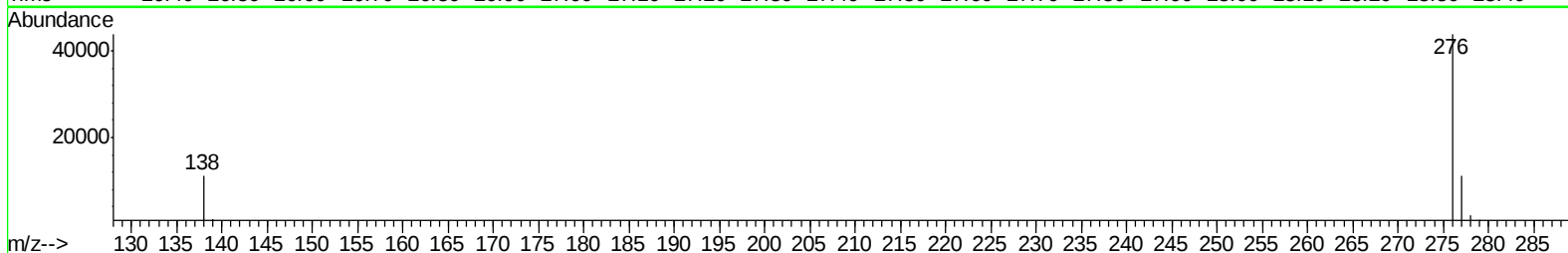
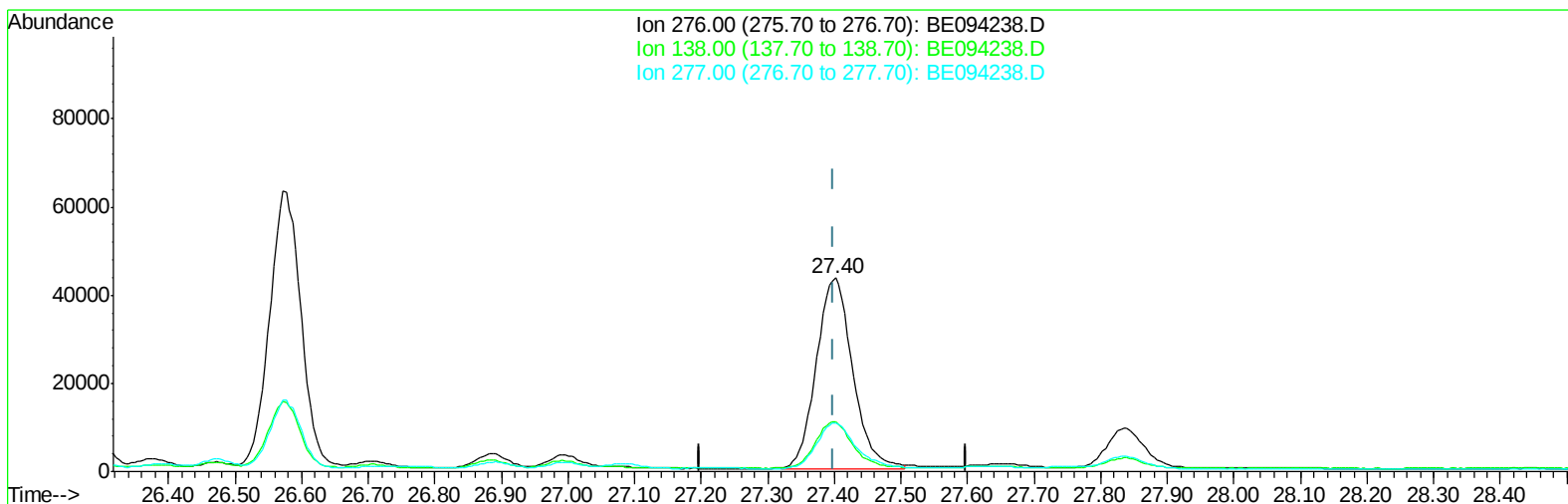
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094238.D
Acq On : 10 Oct 2017 1:46
Operator : SJ/JU
Sample : I5522-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:58:39 PM

Quant Time: Oct 10 08:51:45 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: BE094238.D

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

27.402min (+0.003) 4.16ng/ul m

response 164088

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	25.47
277.00	25.60	25.15
0.00	0.00	0.00

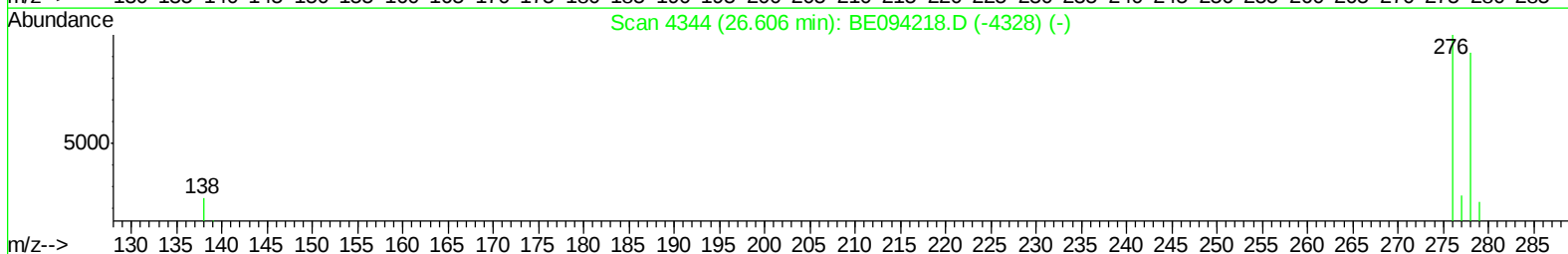
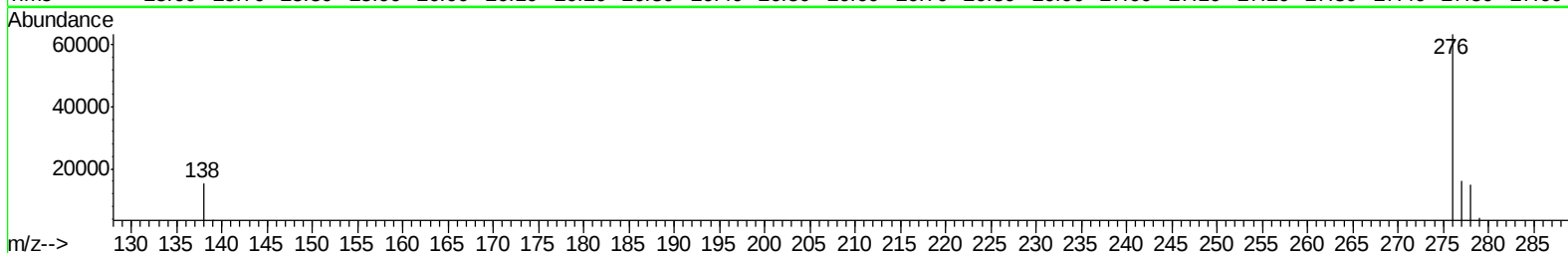
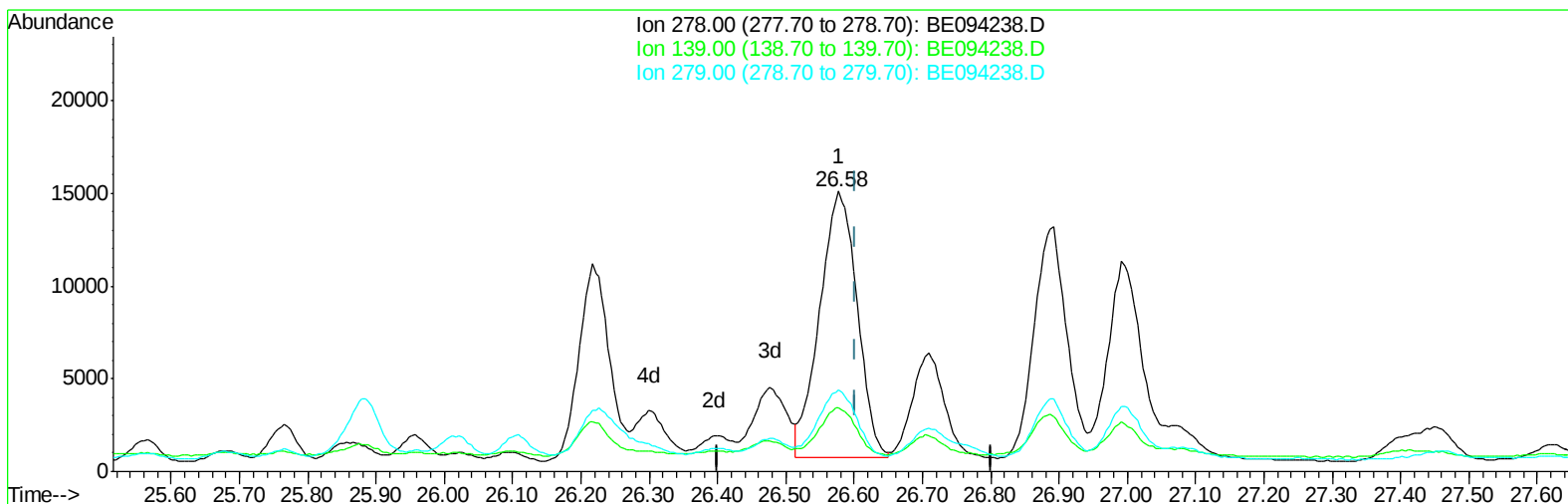
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094238.D
Acq On : 10 Oct 2017 1:46
Operator : SJ/JU
Sample : I5522-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:58:39 PM

Quant Time: Oct 10 10:24:46 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: BE094238.D

(25) Dibenzo(a,h)anthracene

26.577min (-0.024) 1.43ng/ul m

response 54767

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	22.69
279.00	32.40	28.92
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
 Data File : BE094238.D
 Acq On : 10 Oct 2017 1:46
 Operator : SJ/JU
 Sample : I5522-15
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AC0

Manual Integrations
 APPROVED

Sohil
 10/10/2017 4:58:39 PM

Quant Time: Oct 10 11:02:32 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	7.90	152	2701	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	13857	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	8355	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.24	188	17588	0.40	ng/ul	-0.04
16) Chrysene-d12	21.41	240	16908	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	15834m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	5039	0.23	ng/ul	-0.01
14) Fluoranthene-d10	19.27	212	12031	0.21	ng/ul	-0.02
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	7760	0.23	ng/ul#	93
5) 2-Methylnaphthalene	12.35	142	3869	0.18	ng/ul	97
7) Acenaphthylene	14.24	152	7783	0.24	ng/ul	99
8) Acenaphthene	14.57	153	13640	0.51	ng/ul	97
9) Fluorene	15.56	166	14031	0.45	ng/ul	93
12) Phenanthrene	17.29	178	298190	6.49	ng/ul#	92
13) Anthracene	17.38	178	74909	1.68	ng/ul#	91
15) Fluoranthene	19.30	202	672751	11.14	ng/ul	84
17) Pyrene	19.66	202	617673	13.13	ng/ul#	81
18) Benzo(a)anthracene	21.39	228	341874	7.62	ng/ul#	86
19) Chrysene	21.45	228	323548	6.25	ng/ul	98
21) Benzo(b)fluoranthene	23.15	252	420669m	9.78	ng/ul	
22) Benzo(k)fluoranthene	23.19	252	156118m	3.14	ng/ul	
23) Benzo(a)pyrene	23.81	252	300979m	6.73	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.57	276	204352m	4.47	ng/ul	
25) Dibenzo(a,h)anthracene	26.58	278	54767m	1.43	ng/ul	
26) Benzo(a,h,i)perylene	27.40	276	164088m	4.16	ng/ul	

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

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