

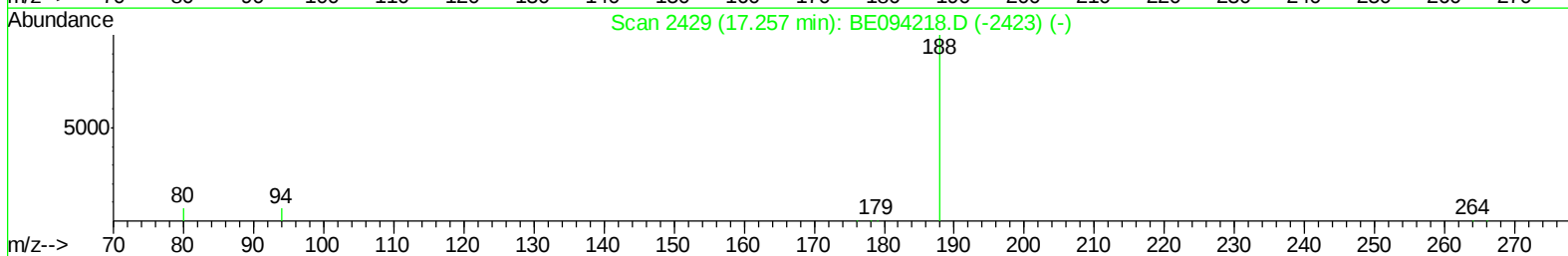
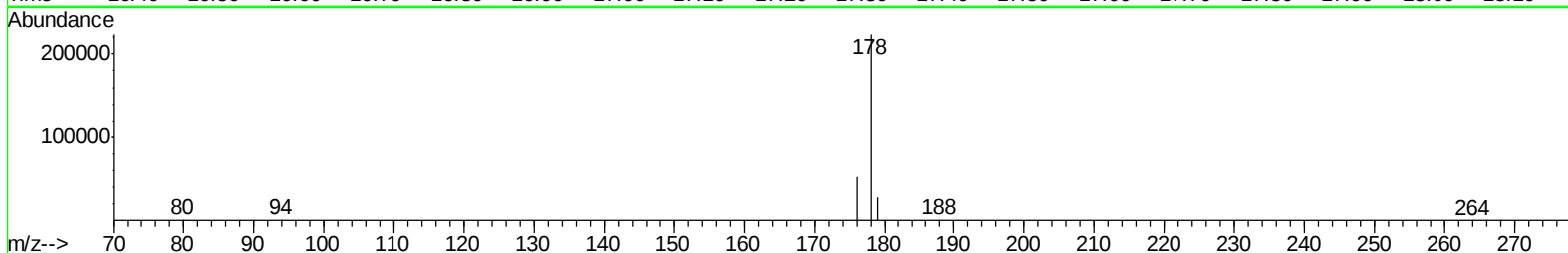
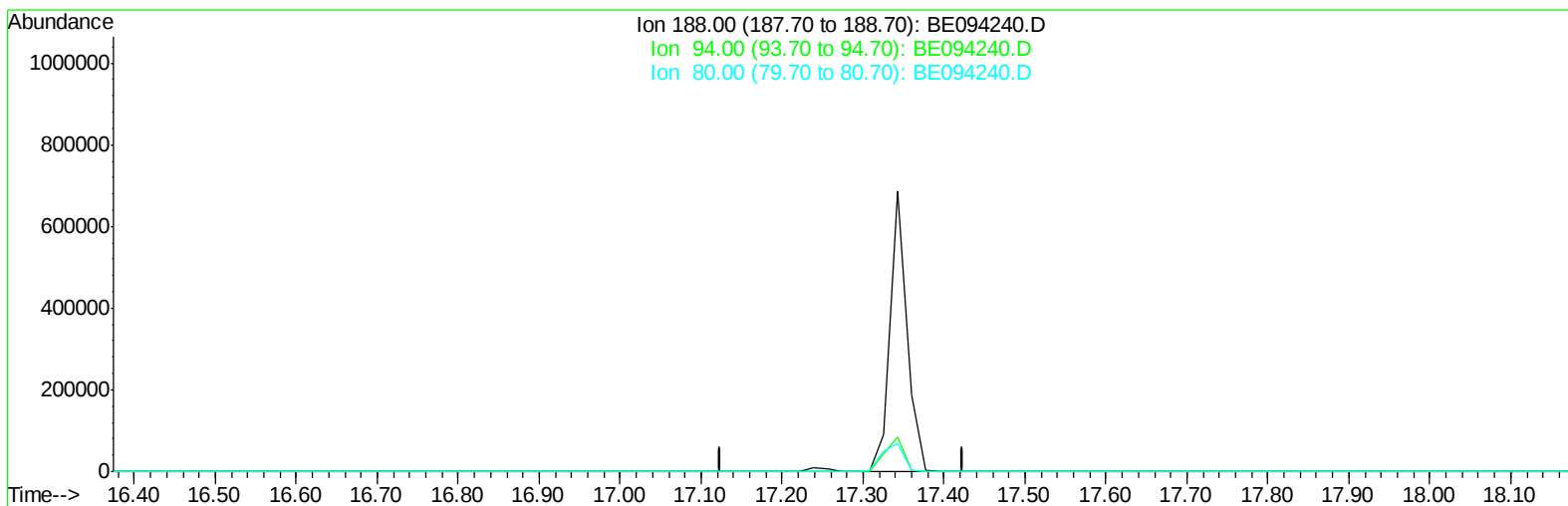
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094240.D
Acq On : 10 Oct 2017 3:00
Operator : SJ/JU
Sample : I5522-22
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AD0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:31 PM

Quant Time: Oct 10 08:52:20 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: BE094240.D

(10) Phenanthrene-d10 (I)

17.274min (-17.274) 0.00ng/ul

response 0

Ion	Exp%	Act%
188.00	100	0.00
94.00	11.00	0.00#
80.00	11.80	0.00#
0.00	0.00	0.00

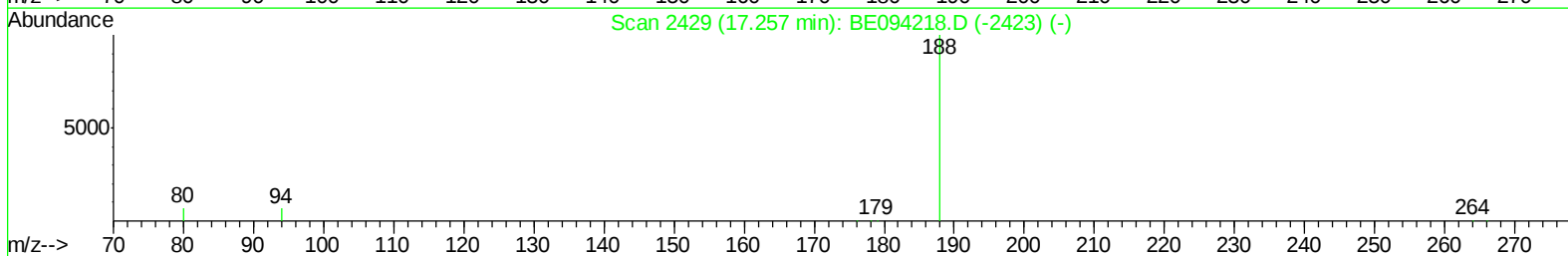
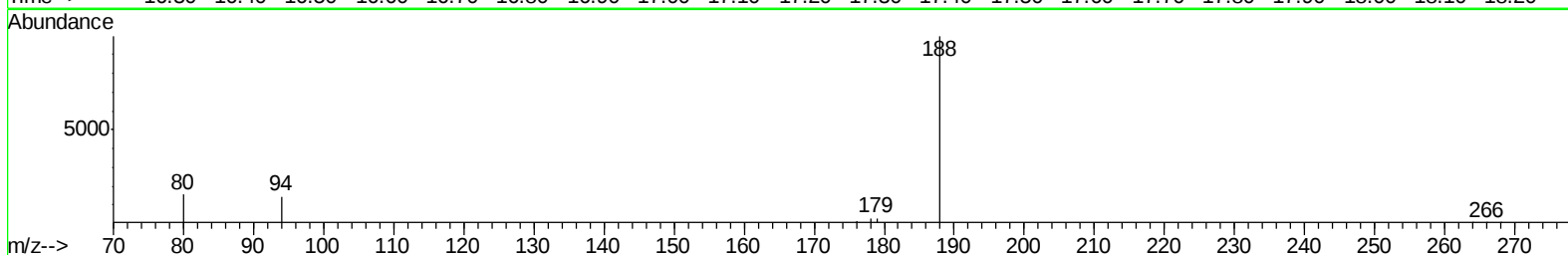
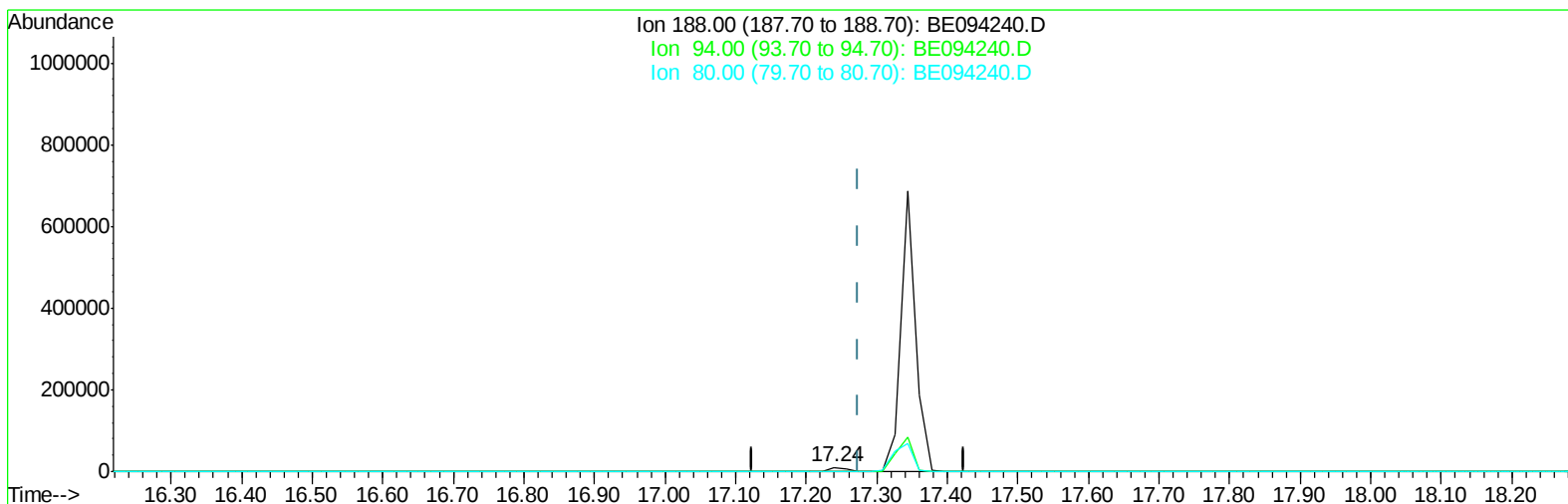
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094240.D
Acq On : 10 Oct 2017 3:00
Operator : SJ/JU
Sample : I5522-22
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AD0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:31 PM

Quant Time: Oct 10 08:52:20 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: BE094240.D

(10) Phenanthrene-d10 (I)

17.239min (-0.035) 0.40ng/ul m

response 17020

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	14.47#
80.00	11.80	15.36#
0.00	0.00	0.00

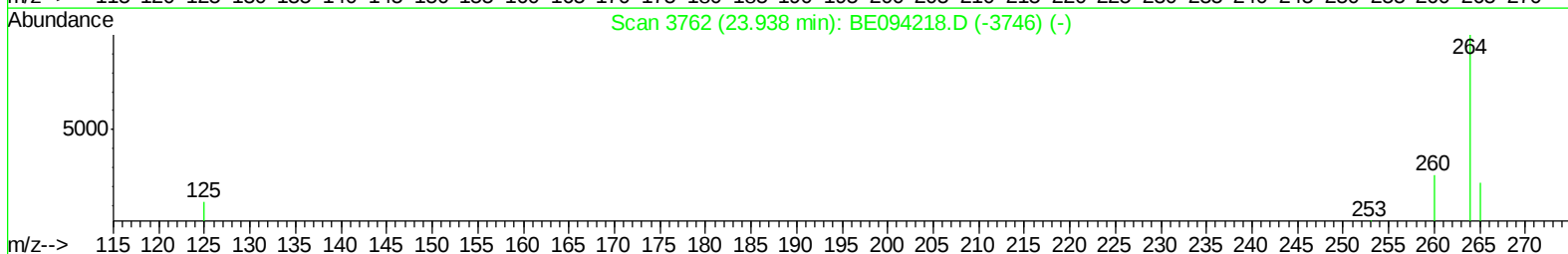
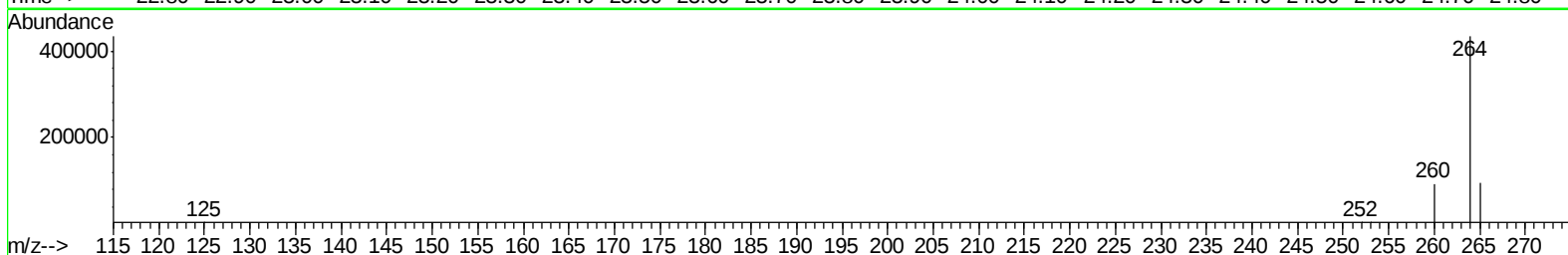
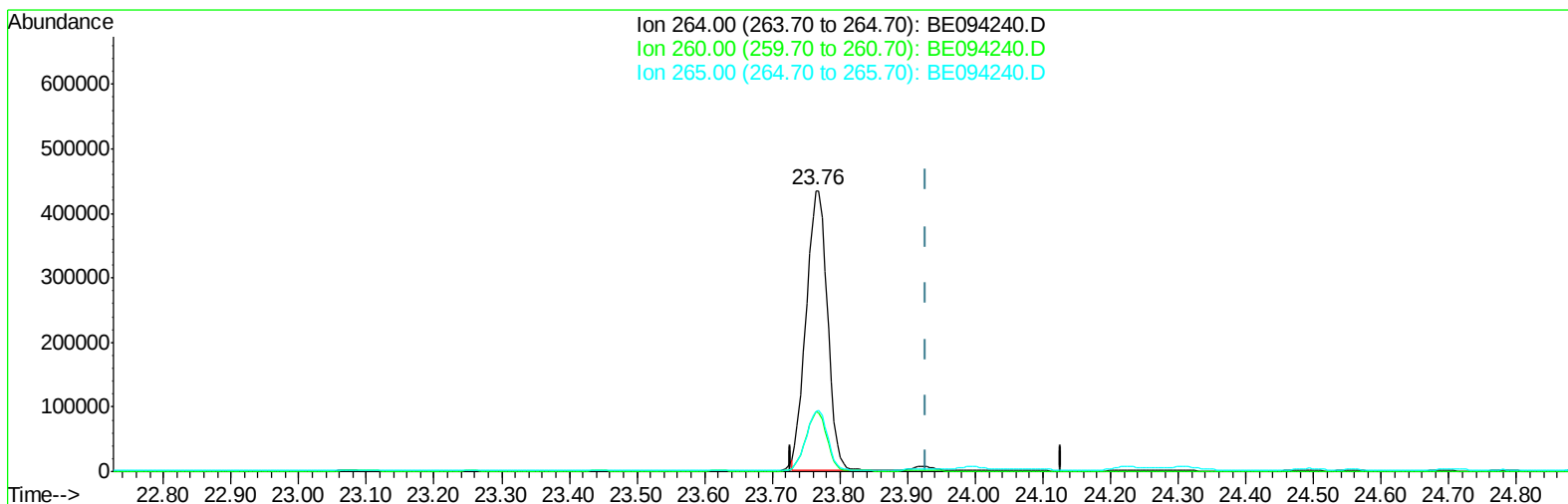
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094240.D
Acq On : 10 Oct 2017 3:00
Operator : SJ/JU
Sample : I5522-22
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AD0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:31 PM

Quant Time: Oct 10 10:37:42 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: BE094240.D

(20) Perylene-d12 (I)

23.765min (-0.163) 0.40ng/ul

response 952135

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.19#
265.00	103.50	21.57#
0.00	0.00	0.00

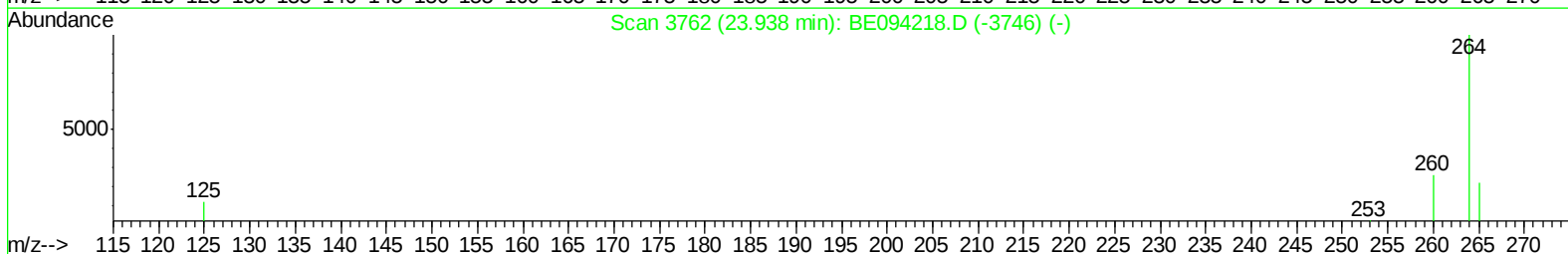
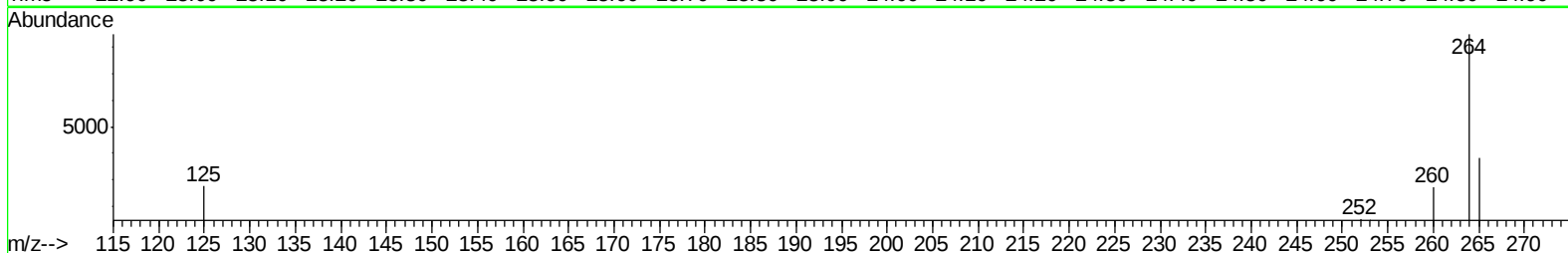
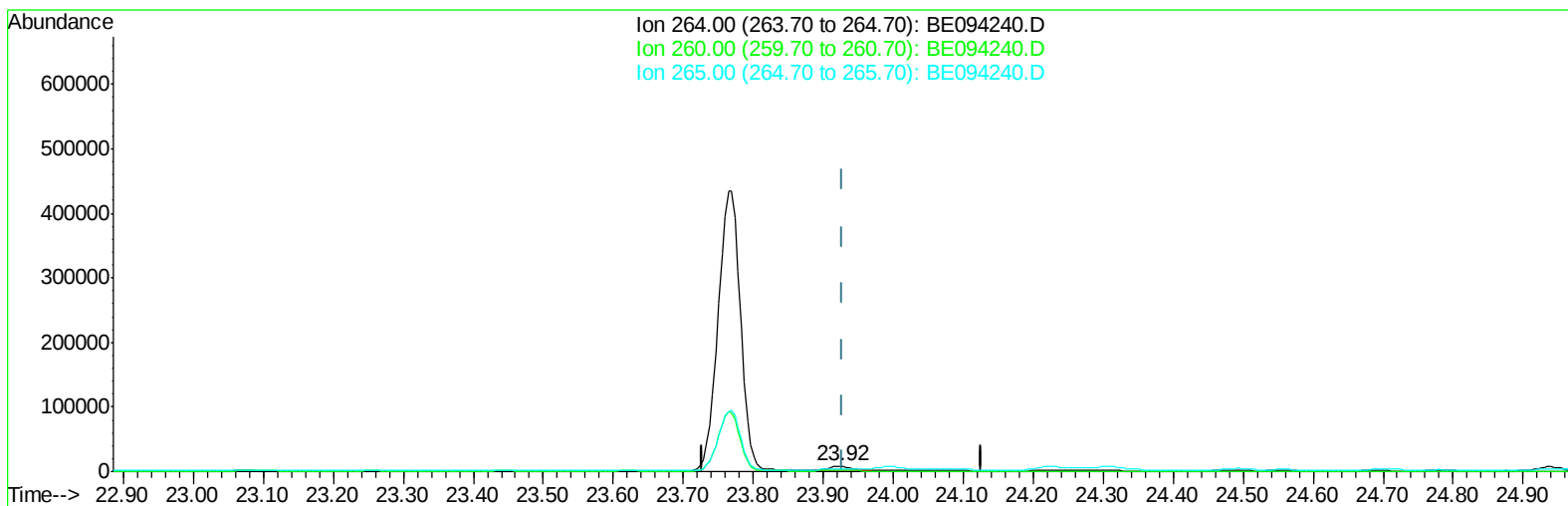
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094240.D
Acq On : 10 Oct 2017 3:00
Operator : SJ/JU
Sample : I5522-22
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AD0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:31 PM

Quant Time: Oct 10 10:37:42 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: BE094240.D

(20) Perylene-d12 (I)

23.924min (-0.003) 0.40ng/ul m

response 14725

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	31.73
265.00	103.50	44.81#
0.00	0.00	0.00

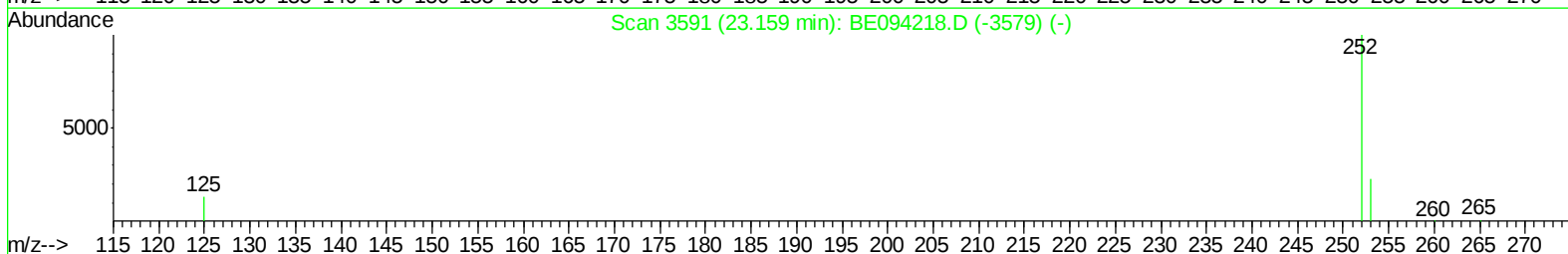
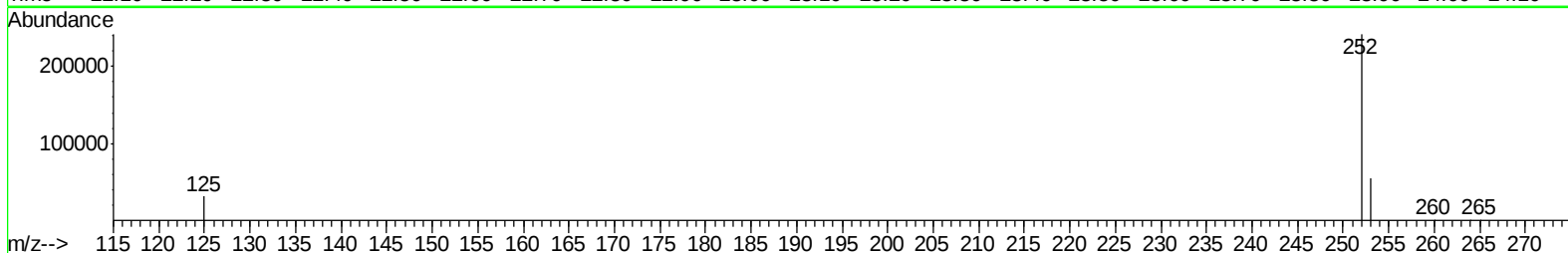
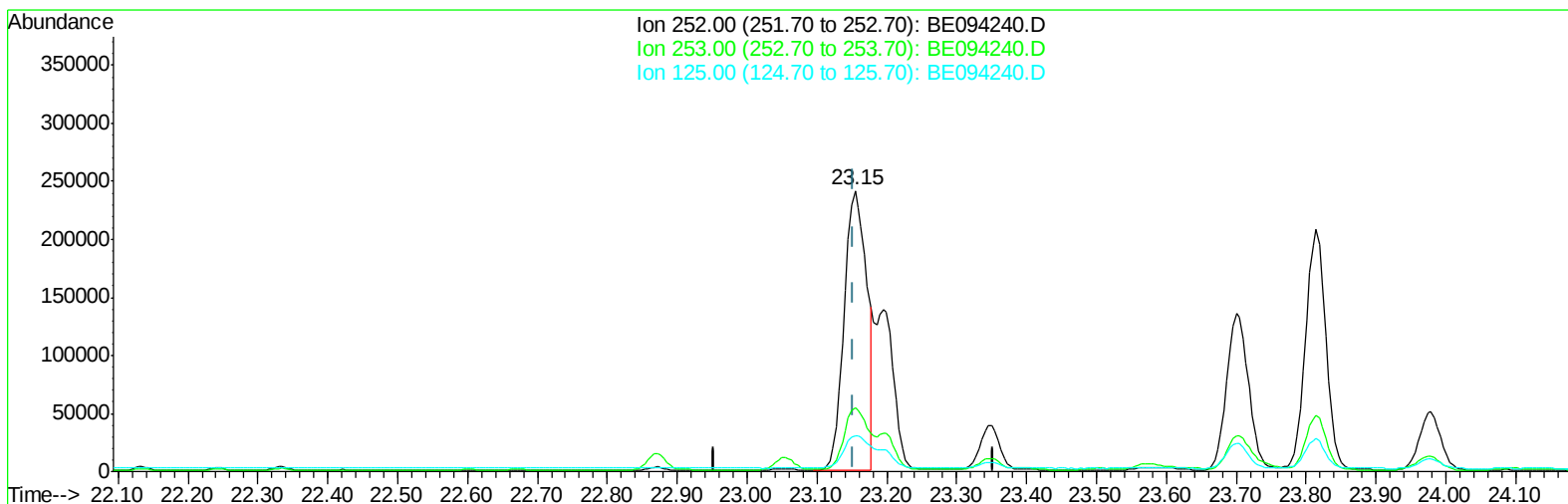
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094240.D
Acq On : 10 Oct 2017 3:00
Operator : SJ/JU
Sample : I5522-22
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AD0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:31 PM

Quant Time: Oct 10 10:38:55 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



TIC: BE094240.D

(21) Benzo(b)fluoranthene

23.154min (+0.001) 13.58ng/ul

response 543131

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	22.75
125.00	17.50	12.97
0.00	0.00	0.00

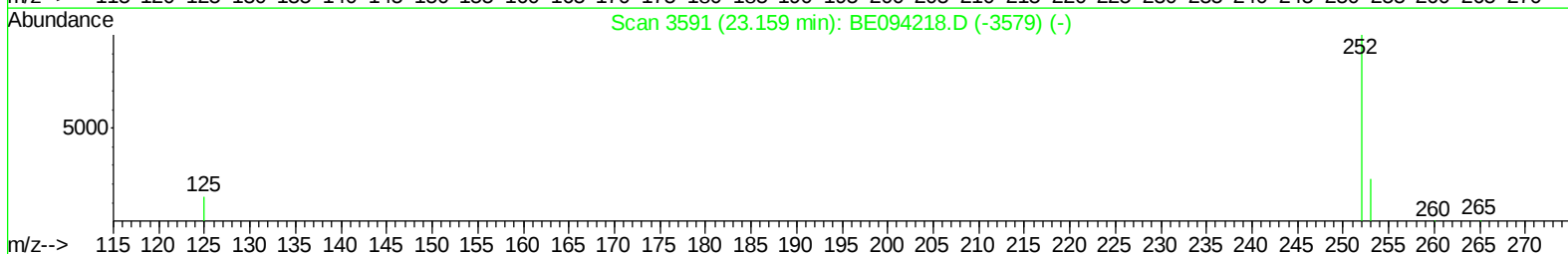
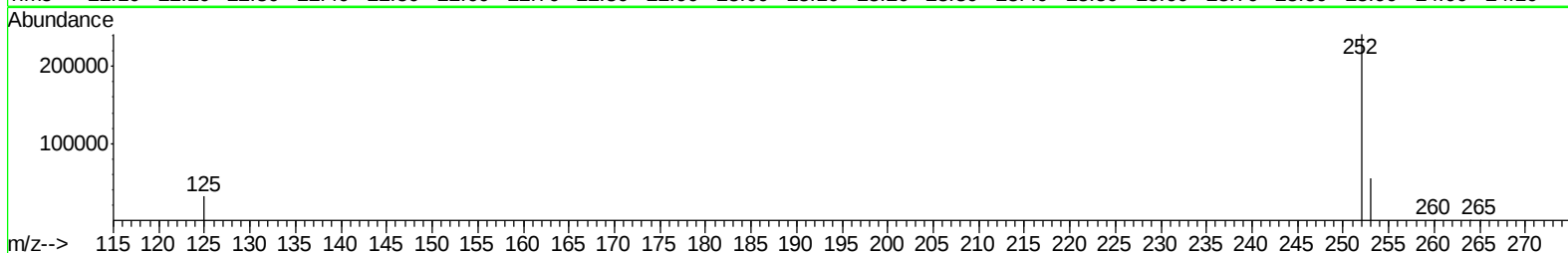
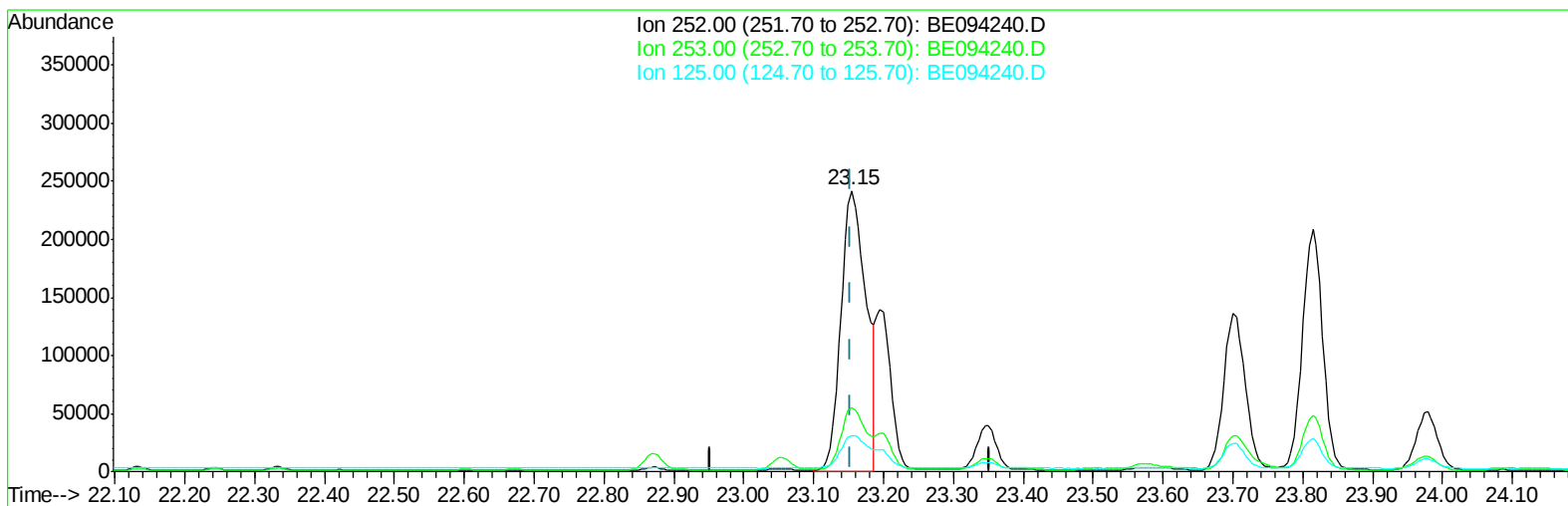
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094240.D
Acq On : 10 Oct 2017 3:00
Operator : SJ/JU
Sample : I5522-22
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AD0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:31 PM

Quant Time: Oct 10 10:38:55 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



TIC: BE094240.D

(21) Benzo(b)fluoranthene

23.154min (+0.001) 15.46ng/ul m

response 618500

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	22.75
125.00	17.50	12.97
0.00	0.00	0.00

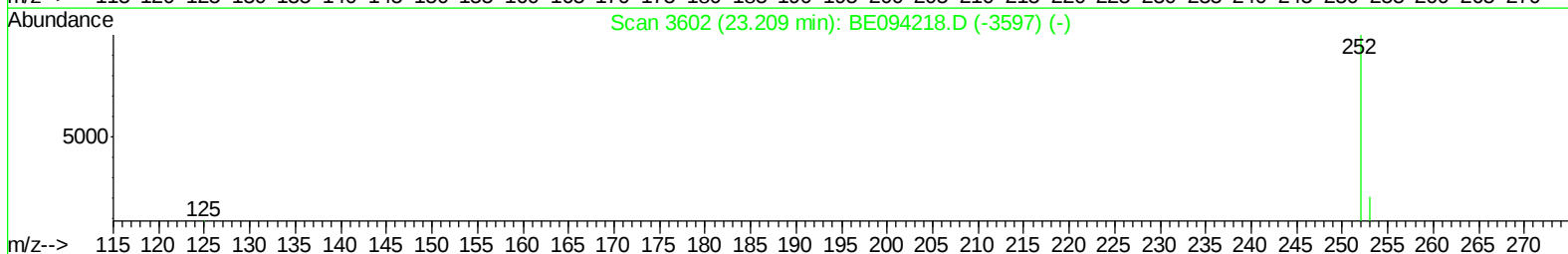
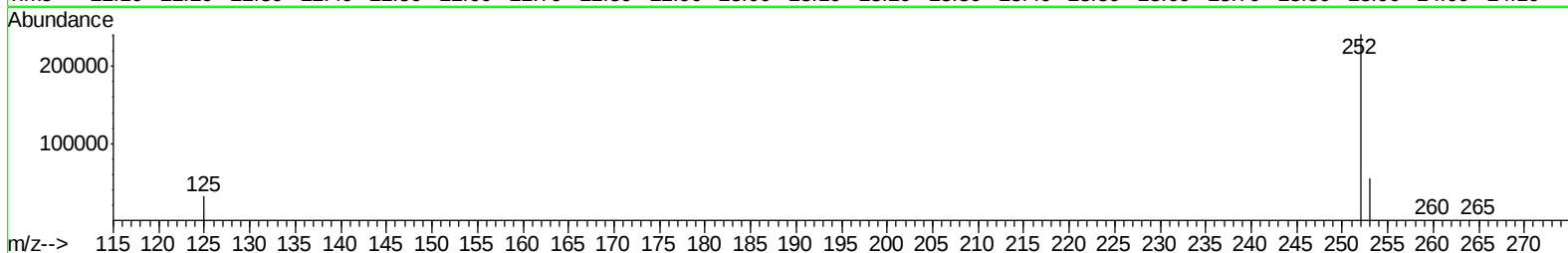
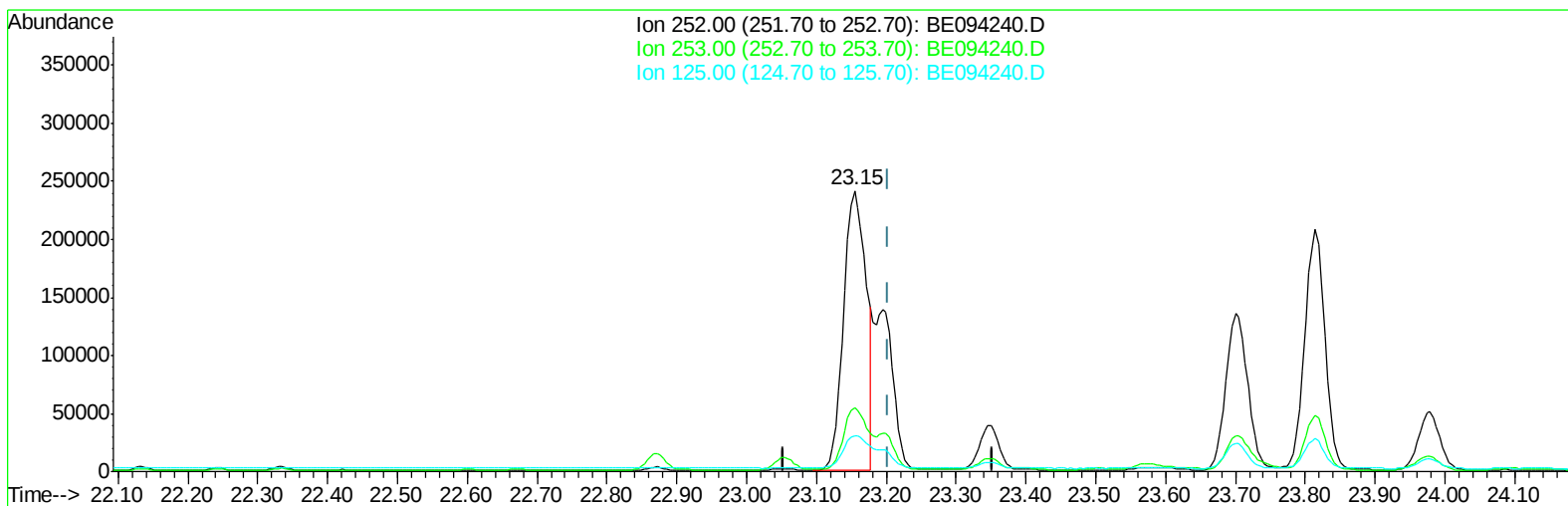
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094240.D
Acq On : 10 Oct 2017 3:00
Operator : SJ/JU
Sample : I5522-22
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AD0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:31 PM

Quant Time: Oct 10 10:38:55 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



TIC: BE094240.D

(22) Benzo(k)fluoranthene

23.154min (-0.049) 11.75ng/ul

response 543131

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	22.75#
125.00	17.10	12.97#
0.00	0.00	0.00

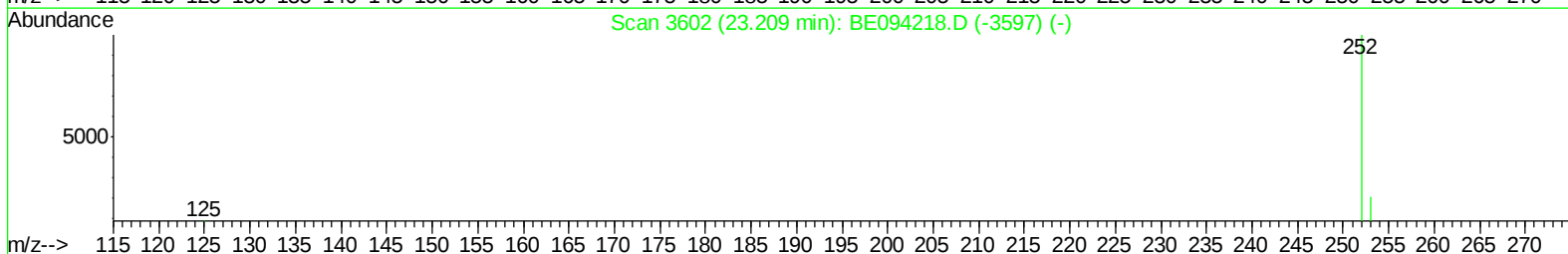
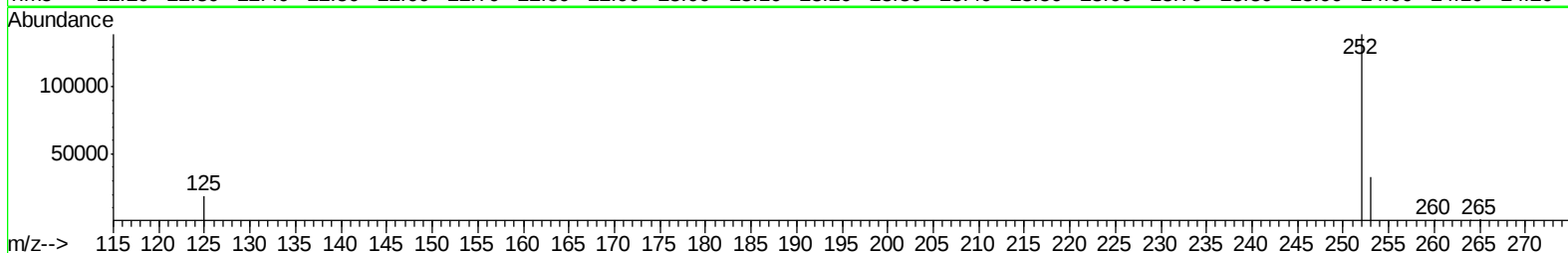
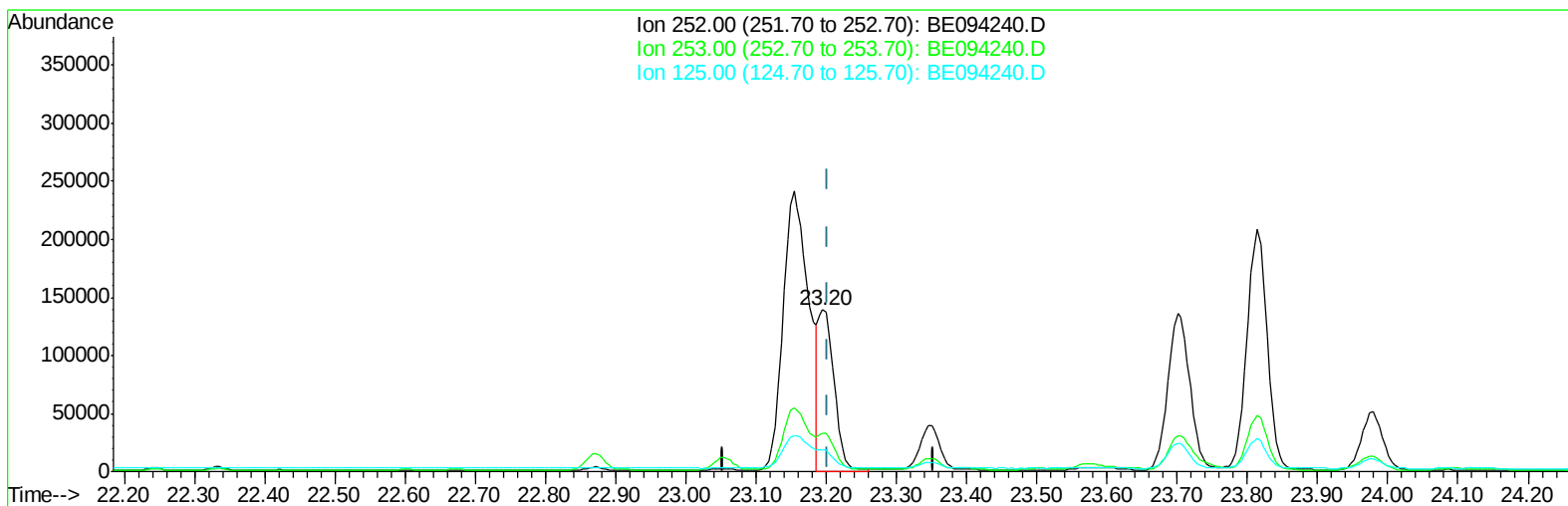
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094240.D
Acq On : 10 Oct 2017 3:00
Operator : SJ/JU
Sample : I5522-22
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AD0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:31 PM

Quant Time: Oct 10 10:38:55 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



TIC: BE094240.D

(22) Benzo(k)fluoranthene

23.195min (-0.008) 4.56ng/ul m

response 210958

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.77#
125.00	17.10	13.67#
0.00	0.00	0.00

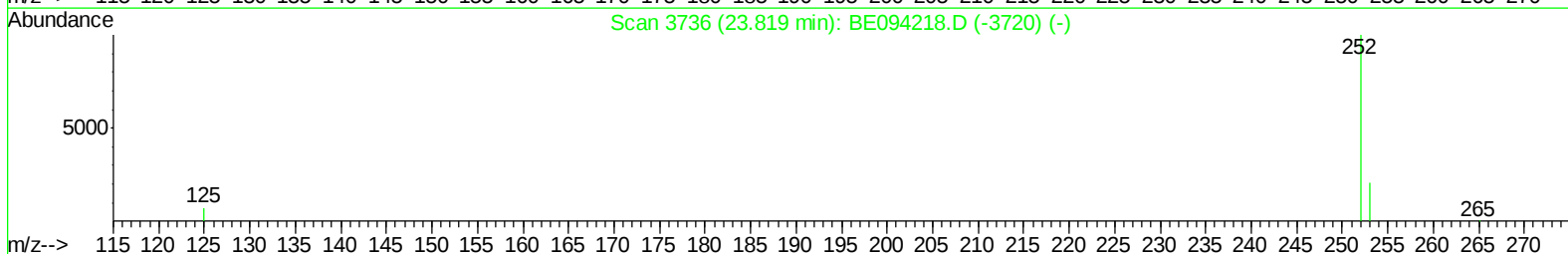
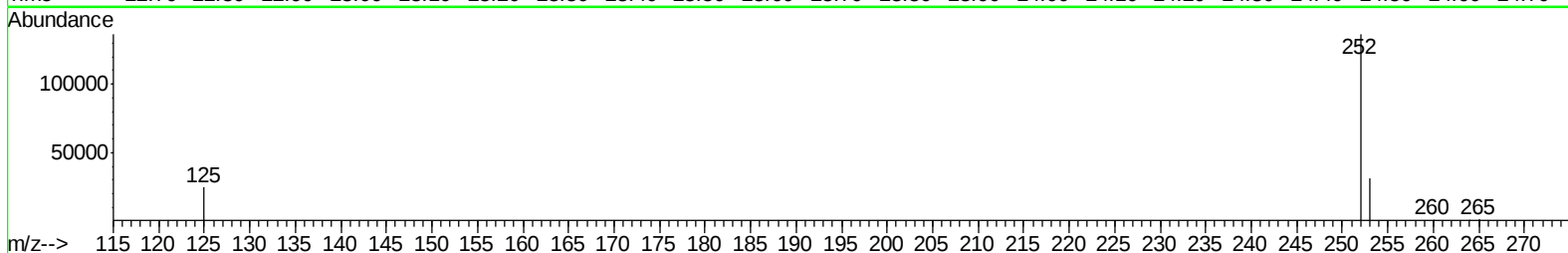
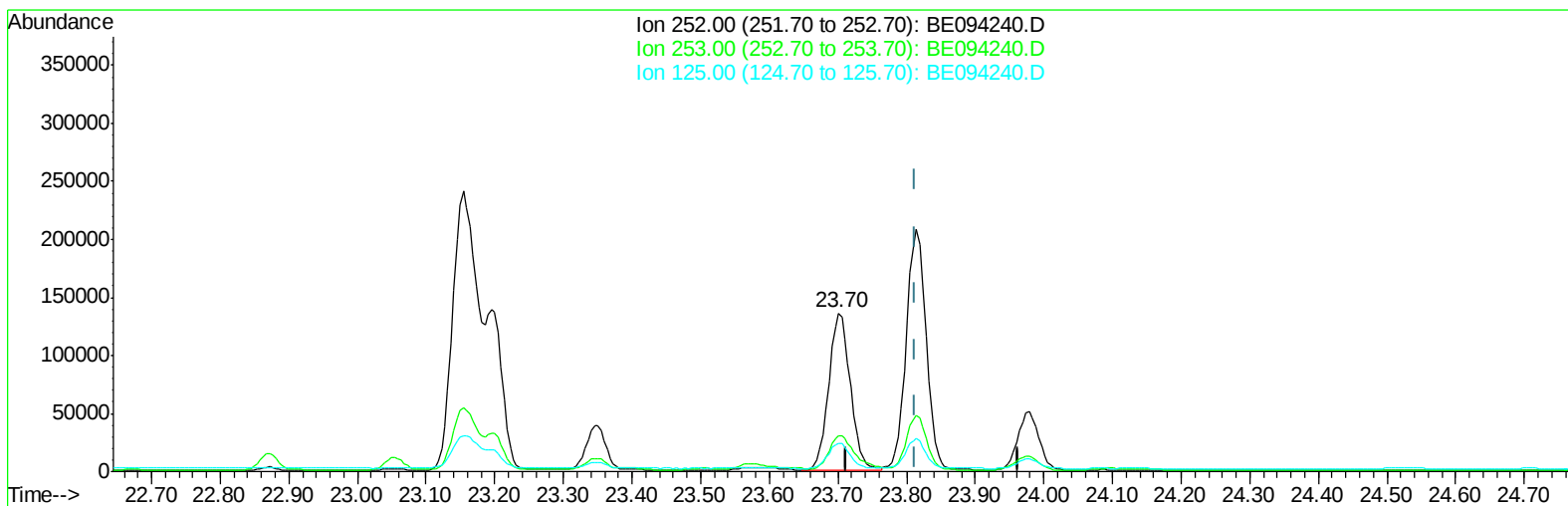
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094240.D
Acq On : 10 Oct 2017 3:00
Operator : SJ/JU
Sample : I5522-22
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AD0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:31 PM

Quant Time: Oct 10 10:38:55 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



TIC: BE094240.D

(23) Benzo(a)pyrene (C)

23.701min (-0.113) 7.14ng/ul

response 296821

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	22.78#
125.00	22.60	18.09
0.00	0.00	0.00

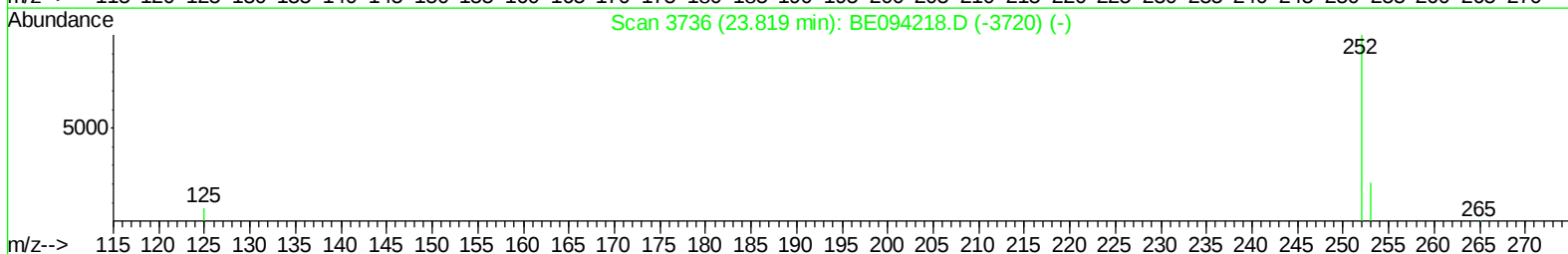
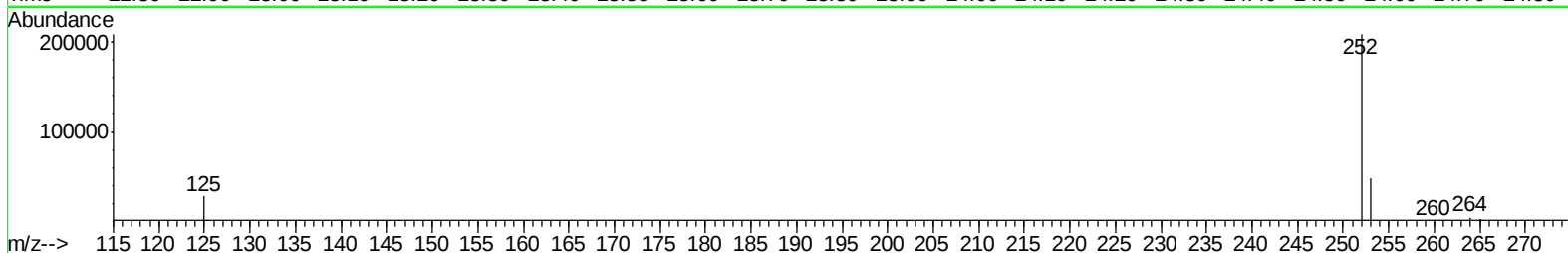
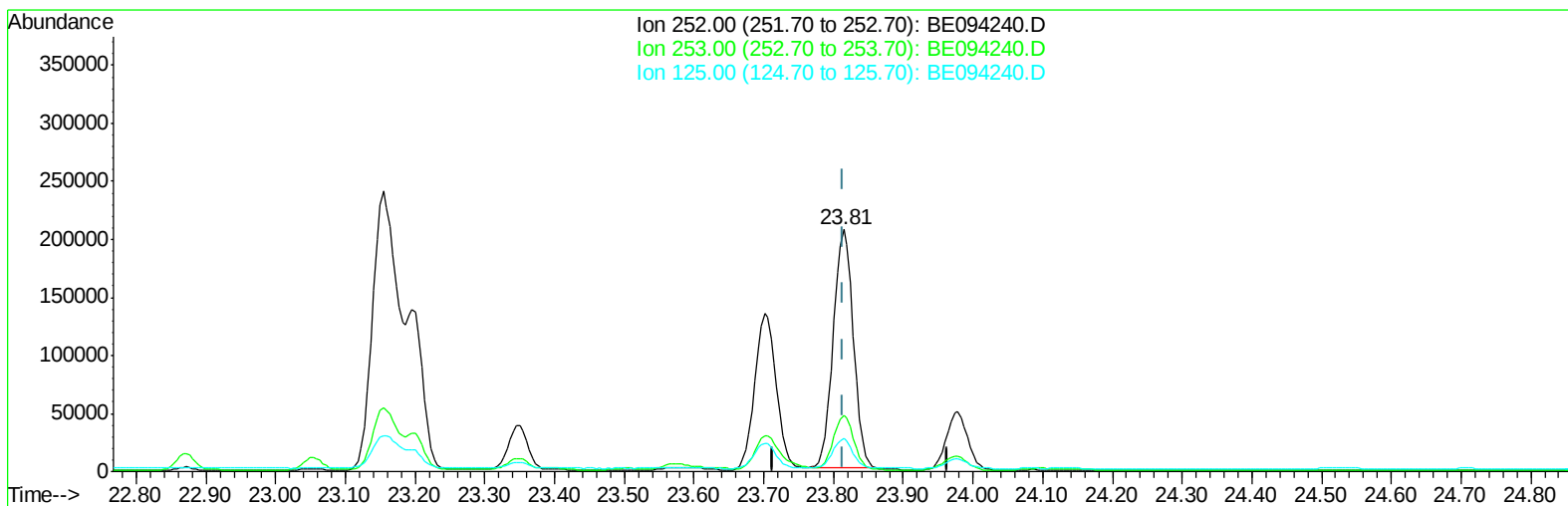
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094240.D
Acq On : 10 Oct 2017 3:00
Operator : SJ/JU
Sample : I5522-22
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AD0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:31 PM

Quant Time: Oct 10 10:38:55 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



TIC: BE094240.D

(23) Benzo(a)pyrene (C)

23.815min (+0.001) 9.80ng/ul m

response 407223

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	23.02#
125.00	22.60	13.54#
0.00	0.00	0.00

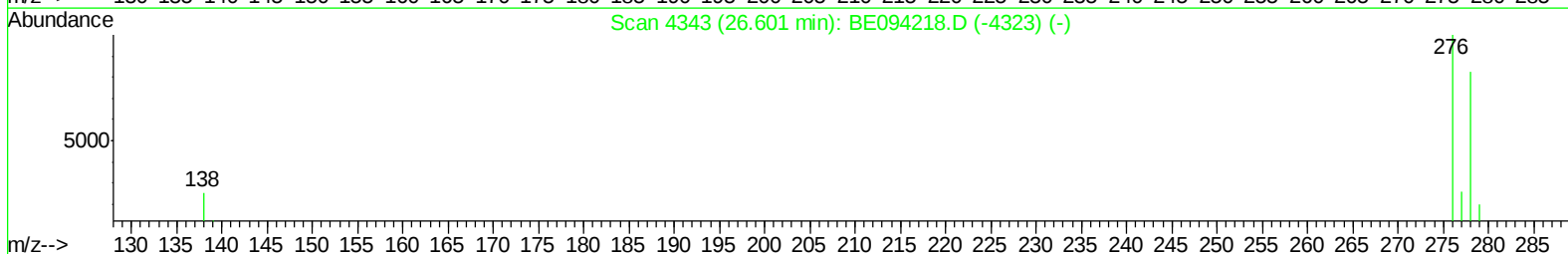
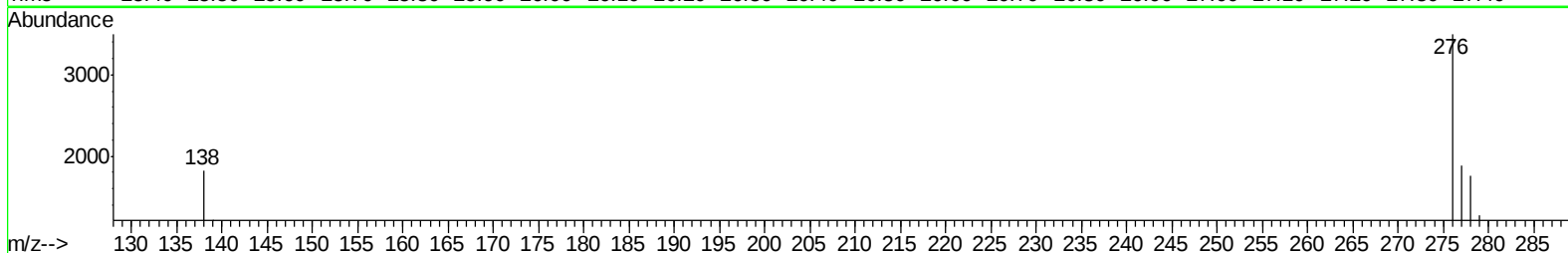
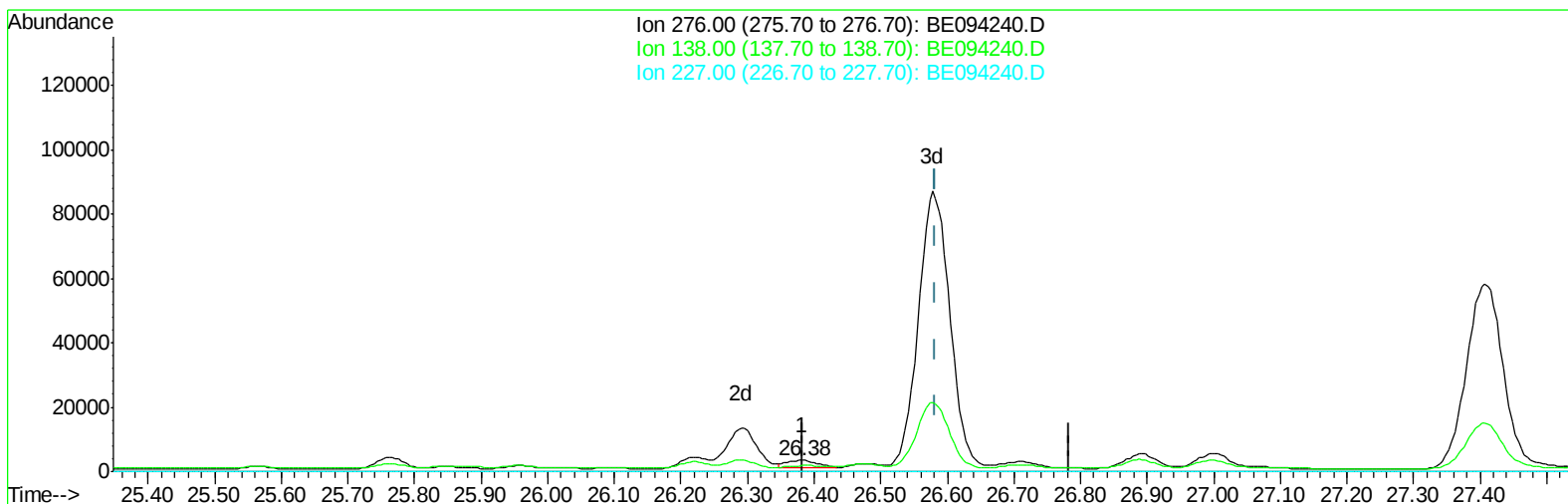
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094240.D
Acq On : 10 Oct 2017 3:00
Operator : SJ/JU
Sample : I5522-22
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AD0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:31 PM

Quant Time: Oct 10 10:38:55 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



TIC: BE094240.D

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

26.382min (-0.201) 0.16ng/ul

response 6679

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	24.11#
227.00	10.00	0.00#
0.00	0.00	0.00

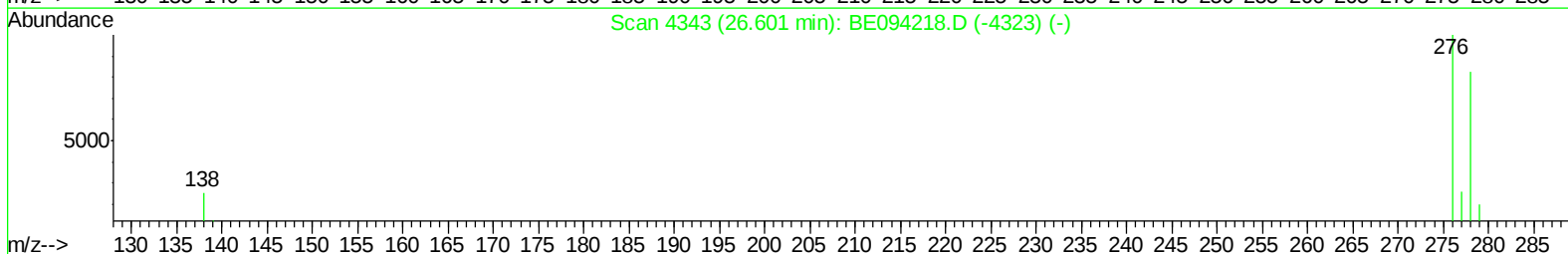
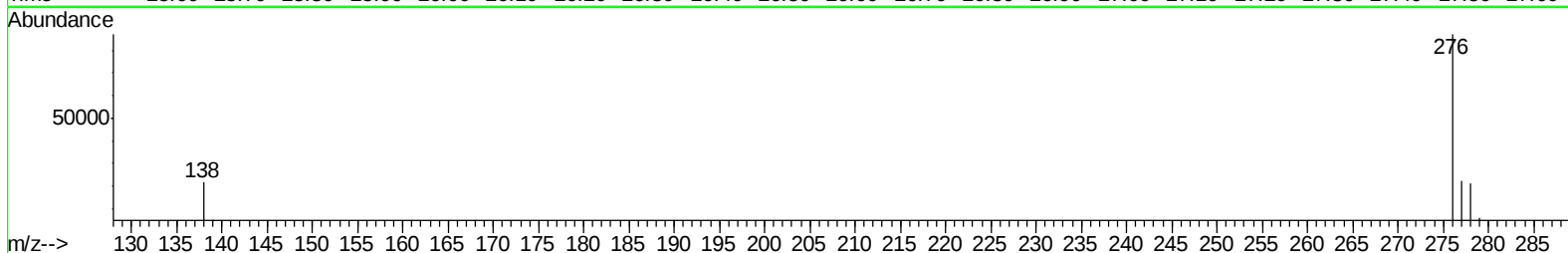
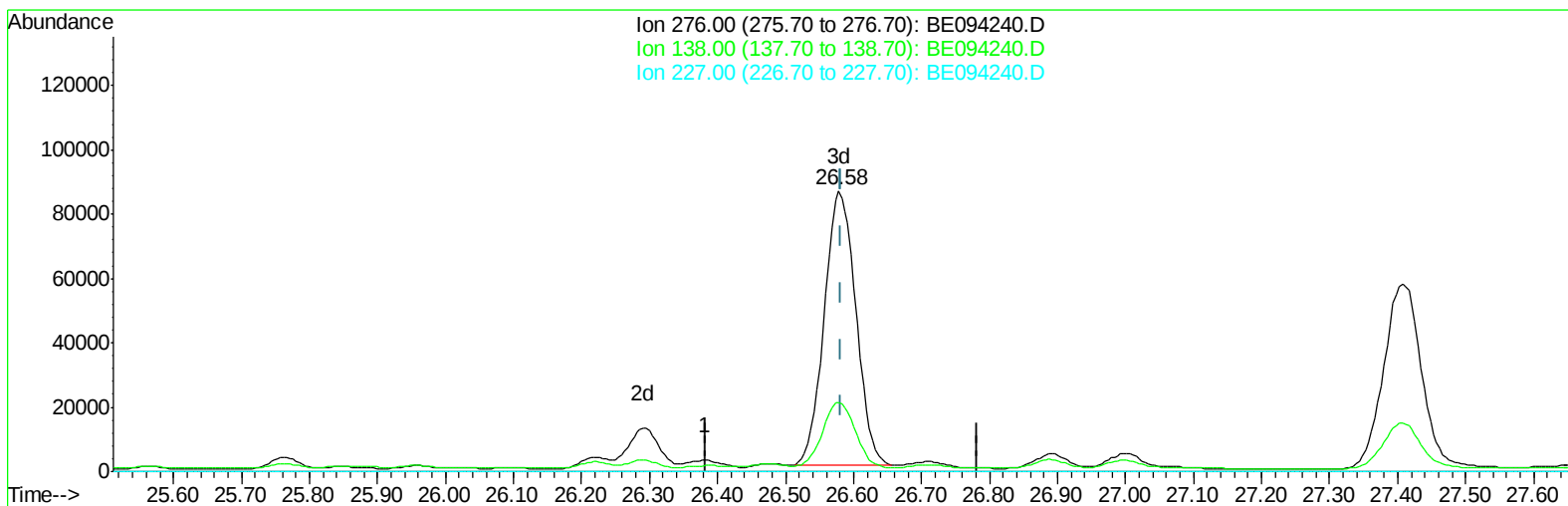
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094240.D
Acq On : 10 Oct 2017 3:00
Operator : SJ/JU
Sample : I5522-22
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AD0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:31 PM

Quant Time: Oct 10 10:38:55 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



TIC: BE094240.D

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

26.578min (-0.005) 6.49ng/ul m

response 275964

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	0.58#
227.00	10.00	0.00#
0.00	0.00	0.00

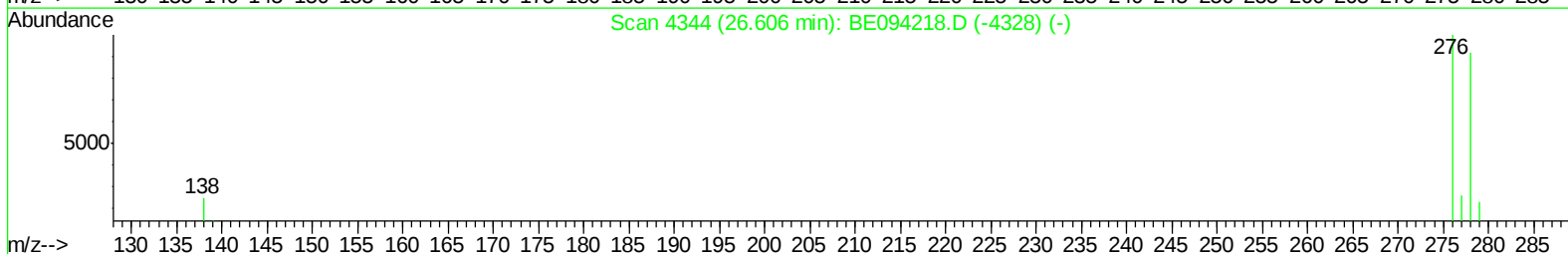
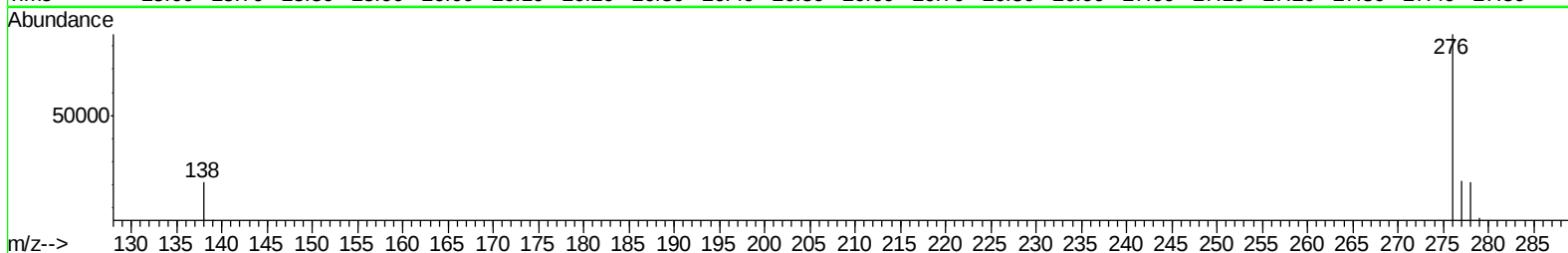
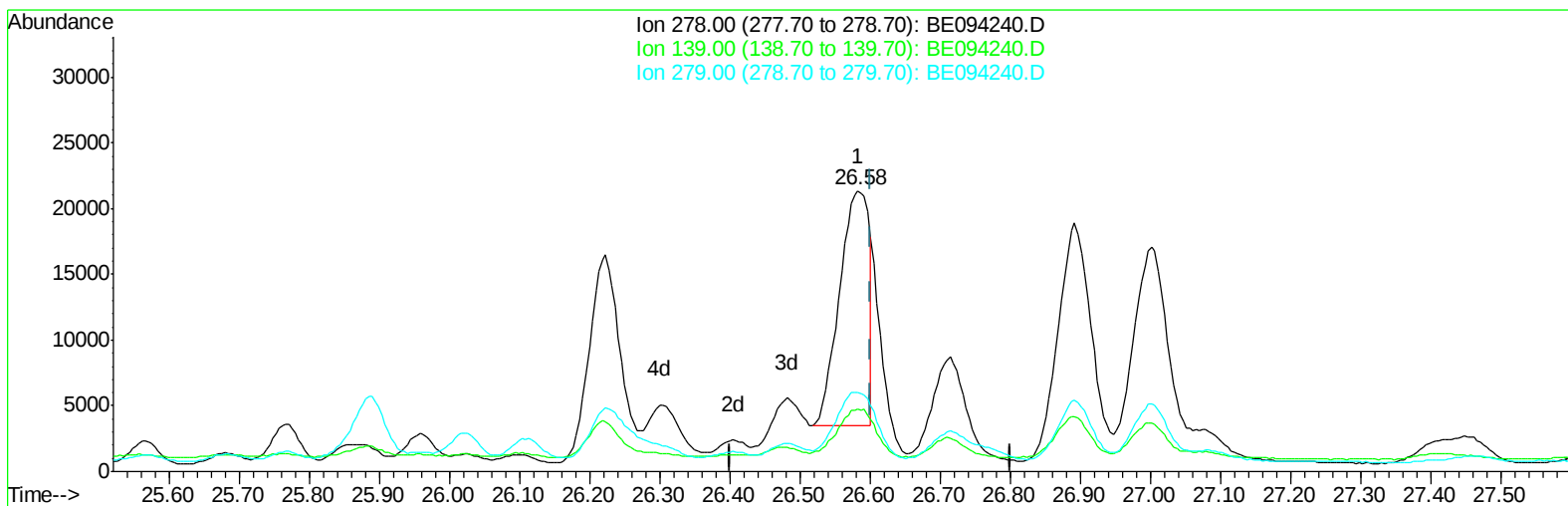
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094240.D
Acq On : 10 Oct 2017 3:00
Operator : SJ/JU
Sample : I5522-22
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AD0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:31 PM

Quant Time: Oct 10 10:38:55 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



TIC: BE094240.D

(25) Dibenzo(a,h)anthracene

26.582min (-0.019) 1.46ng/ul

response 52125

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	22.11
279.00	32.40	28.20
0.00	0.00	0.00

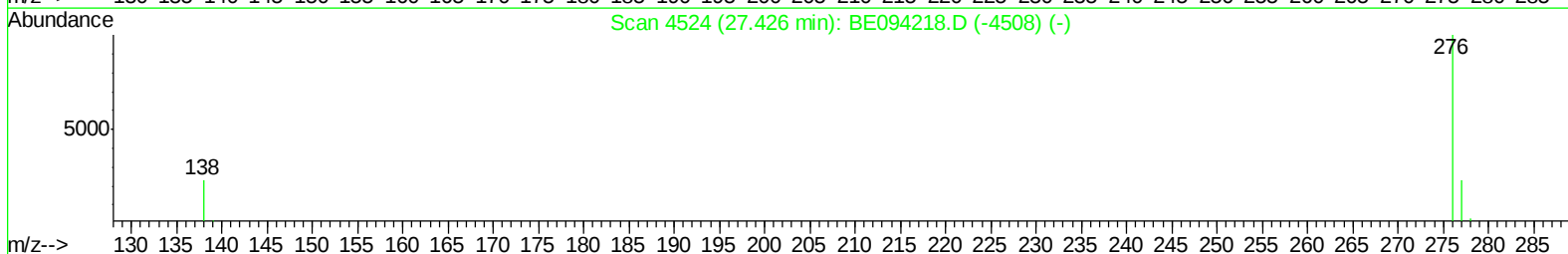
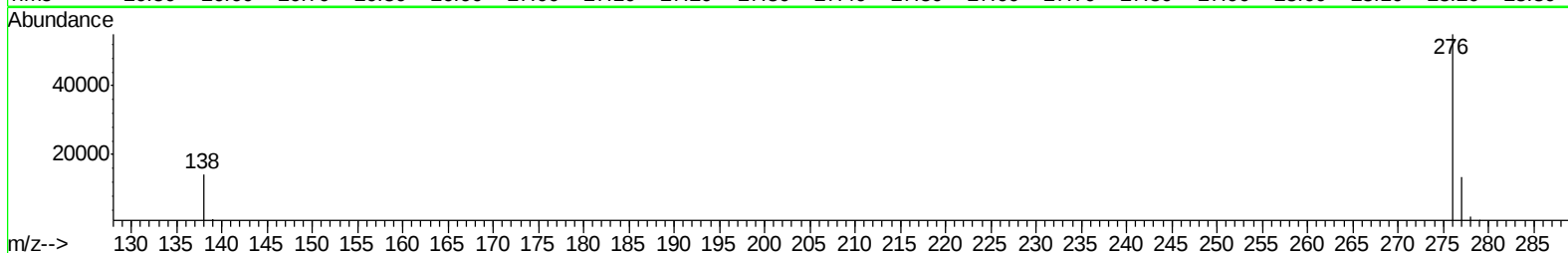
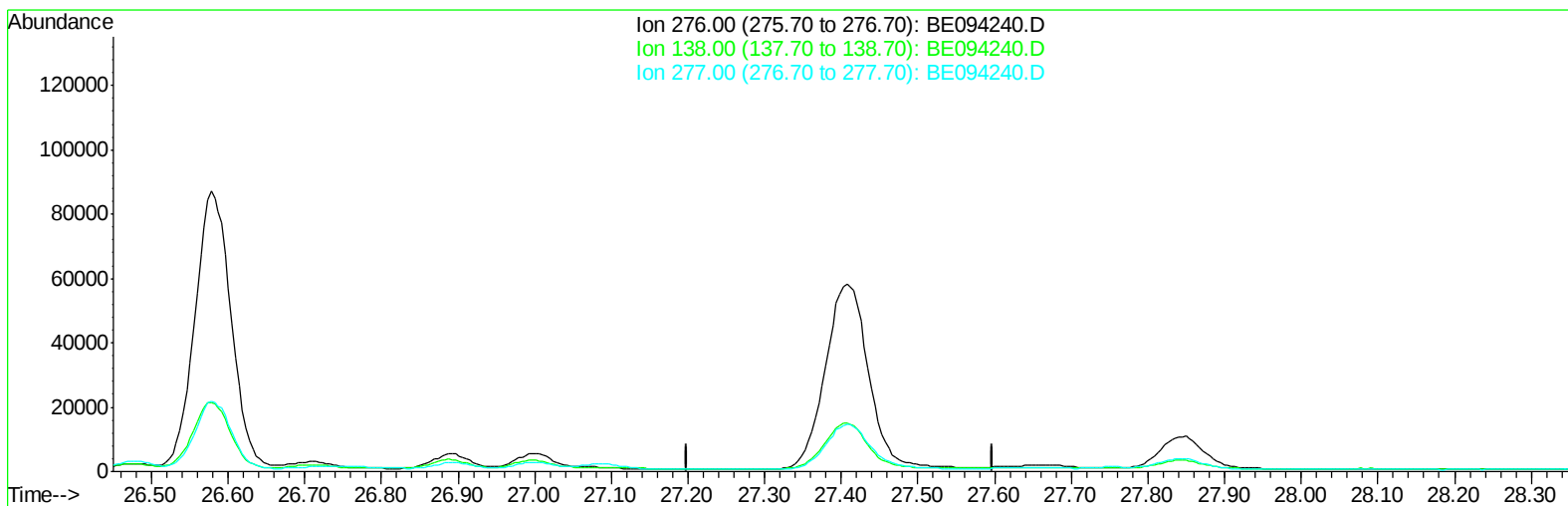
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094240.D
Acq On : 10 Oct 2017 3:00
Operator : SJ/JU
Sample : I5522-22
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AD0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:31 PM

Quant Time: Oct 10 10:38:55 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



TIC: BE094240.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

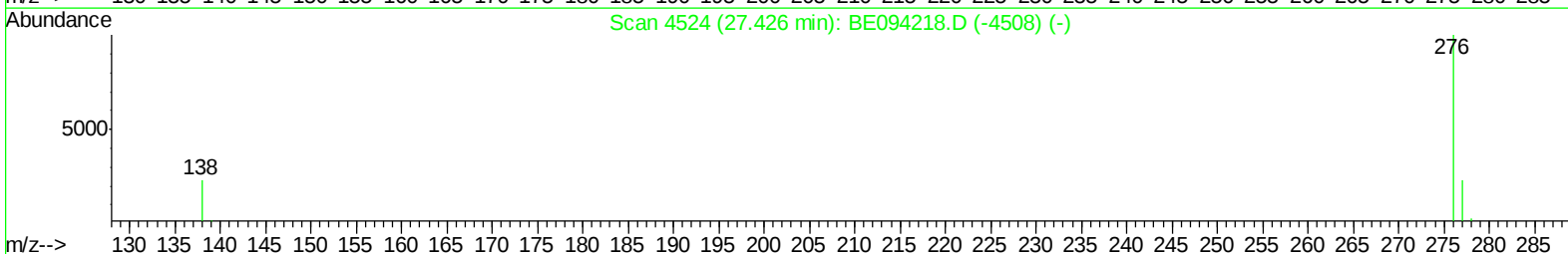
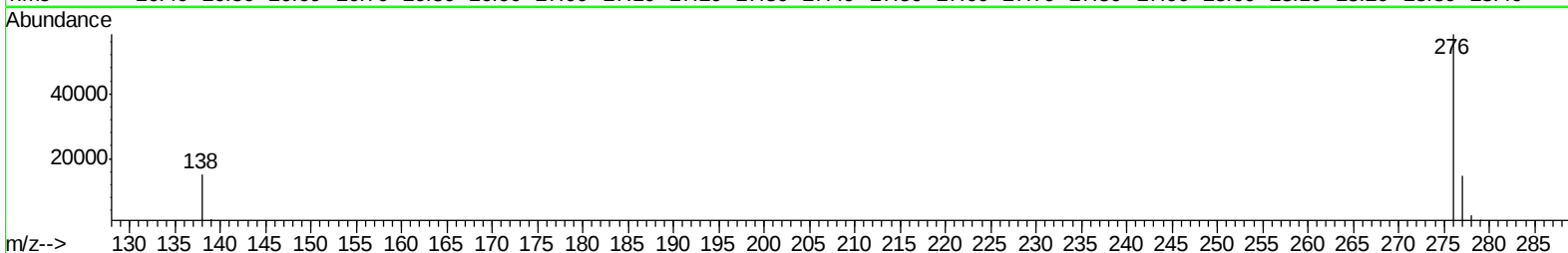
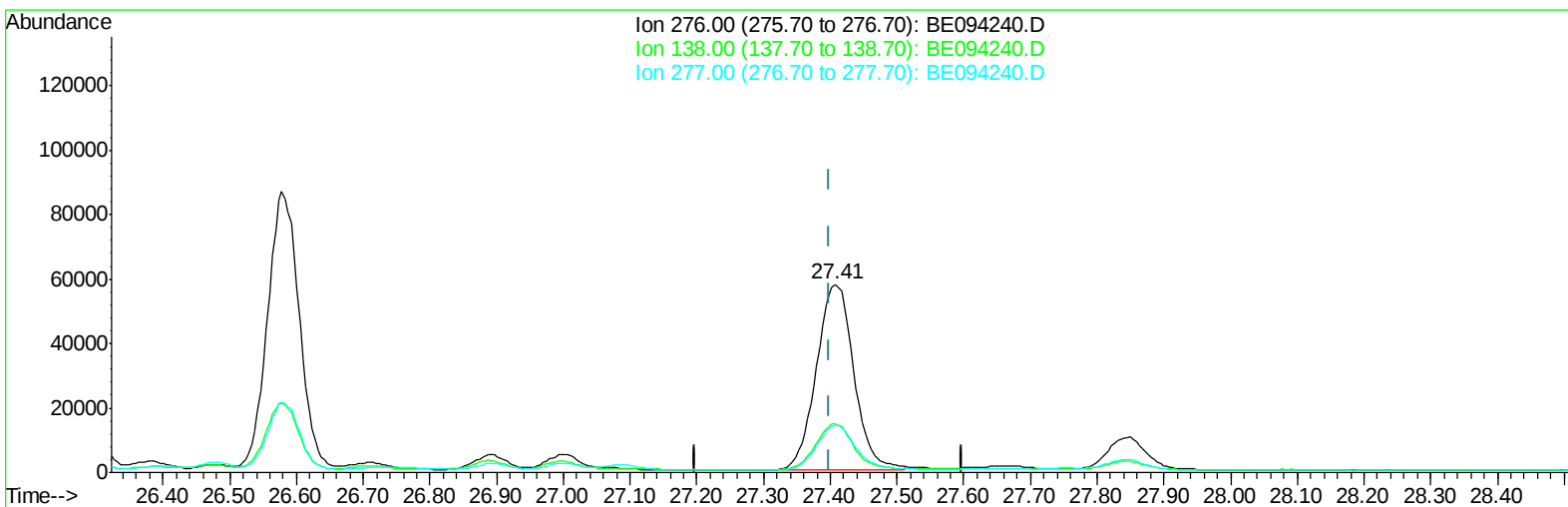
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094240.D
Acq On : 10 Oct 2017 3:00
Operator : SJ/JU
Sample : I5522-22
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AD0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:31 PM

Quant Time: Oct 10 10:38:55 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



TIC: BE094240.D

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

27.407min (+0.009) 6.09ng/ul m

response 223495

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	25.95
277.00	25.60	25.15
0.00	0.00	0.00

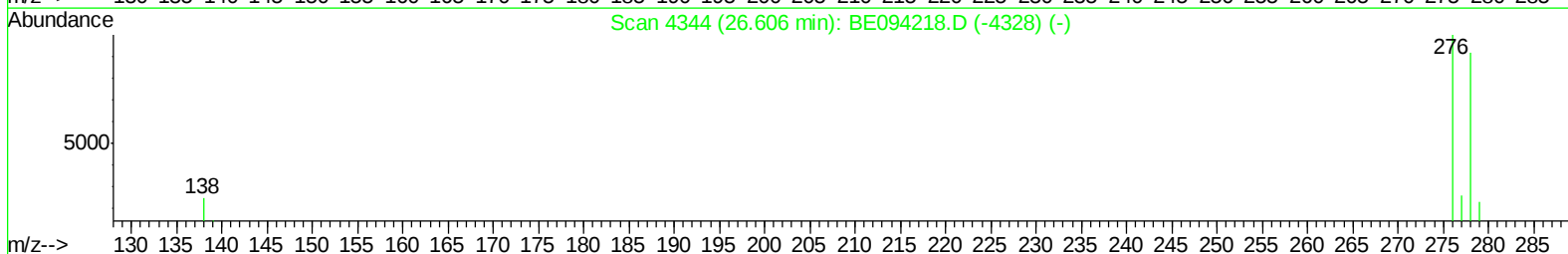
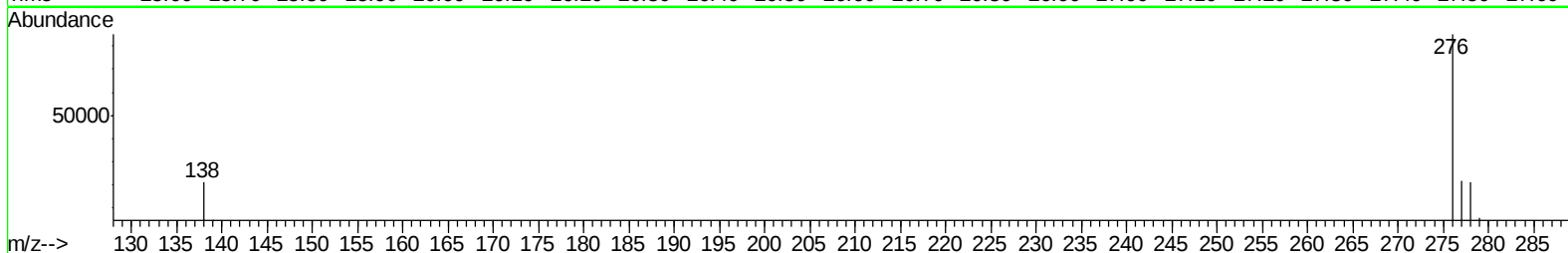
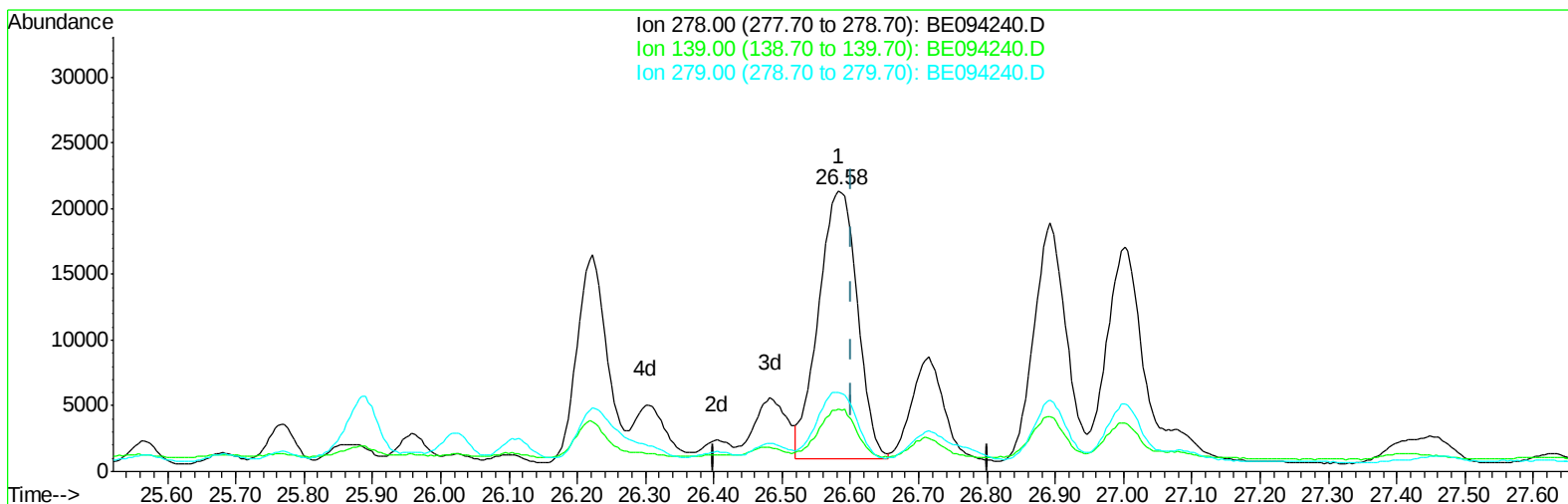
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094240.D
Acq On : 10 Oct 2017 3:00
Operator : SJ/JU
Sample : I5522-22
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AD0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:31 PM

Quant Time: Oct 10 10:43:27 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: BE094240.D

(25) Dibenzo(a,h)anthracene

26.582min (-0.019) 2.25ng/ul m

response 80192

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	22.11
279.00	32.40	28.20
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
 Data File : BE094240.D
 Acq On : 10 Oct 2017 3:00
 Operator : SJ/JU
 Sample : I5522-22
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AD0

Manual Integrations
 APPROVED

Sohil
 10/10/2017 4:57:31 PM

Quant Time: Oct 10 10:58:08 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	2562	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	13228	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	8033	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.24	188	17020m	0.40	ng/ul	-0.03
16) Chrysene-d12	21.41	240	15739	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	14725m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	5825	0.28	ng/ul	-0.02
14) Fluoranthene-d10	19.27	212	13377	0.24	ng/ul	-0.02
Target Compounds						
					Ovalue	
3) Naphthalene	10.74	128	23746	0.73	ng/ul#	91
5) 2-Methylnaphthalene	12.35	142	28359	1.35	ng/ul	98
7) Acenaphthylene	14.24	152	14865	0.47	ng/ul	99
8) Acenaphthene	14.57	153	24174	0.94	ng/ul	97
9) Fluorene	15.56	166	27167	0.90	ng/ul	91
12) Phenanthrene	17.29	178	605150	13.61	ng/ul#	93
13) Anthracene	17.38	178	96140	2.22	ng/ul#	92
15) Fluoranthene	19.30	202	965878	16.53	ng/ul	84
17) Pyrene	19.66	202	873592	19.95	ng/ul#	82
18) Benzo(a)anthracene	21.39	228	475155	11.38	ng/ul#	87
19) Chrysene	21.45	228	473732	9.82	ng/ul	99
21) Benzo(b)fluoranthene	23.15	252	618500m	15.46	ng/ul	
22) Benzo(k)fluoranthene	23.20	252	210958m	4.56	ng/ul	
23) Benzo(a)pyrene	23.81	252	407223m	9.80	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.58	276	275964m	6.49	ng/ul	
25) Dibenzo(a,h)anthracene	26.58	278	80192m	2.25	ng/ul	
26) Benzo(a,h,i)perylene	27.41	276	223495m	6.09	ng/ul	

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

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
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Sample : I5522-22
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AD0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:31 PM

Quant Time: Oct 10 10:58:08 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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