

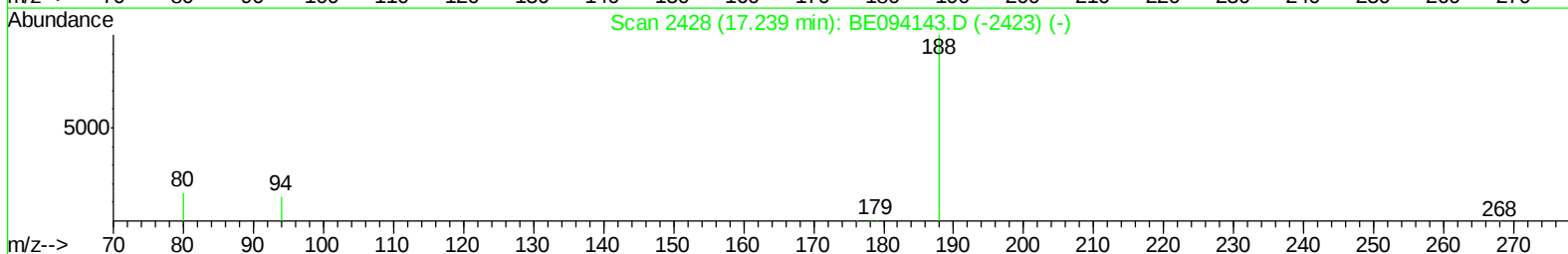
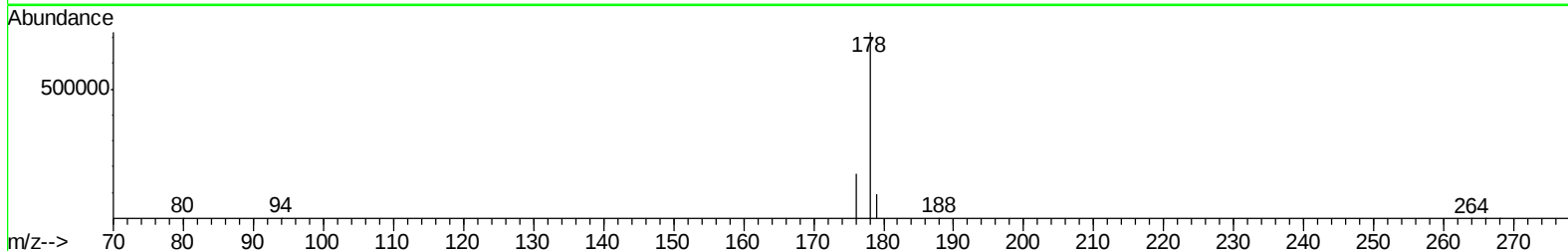
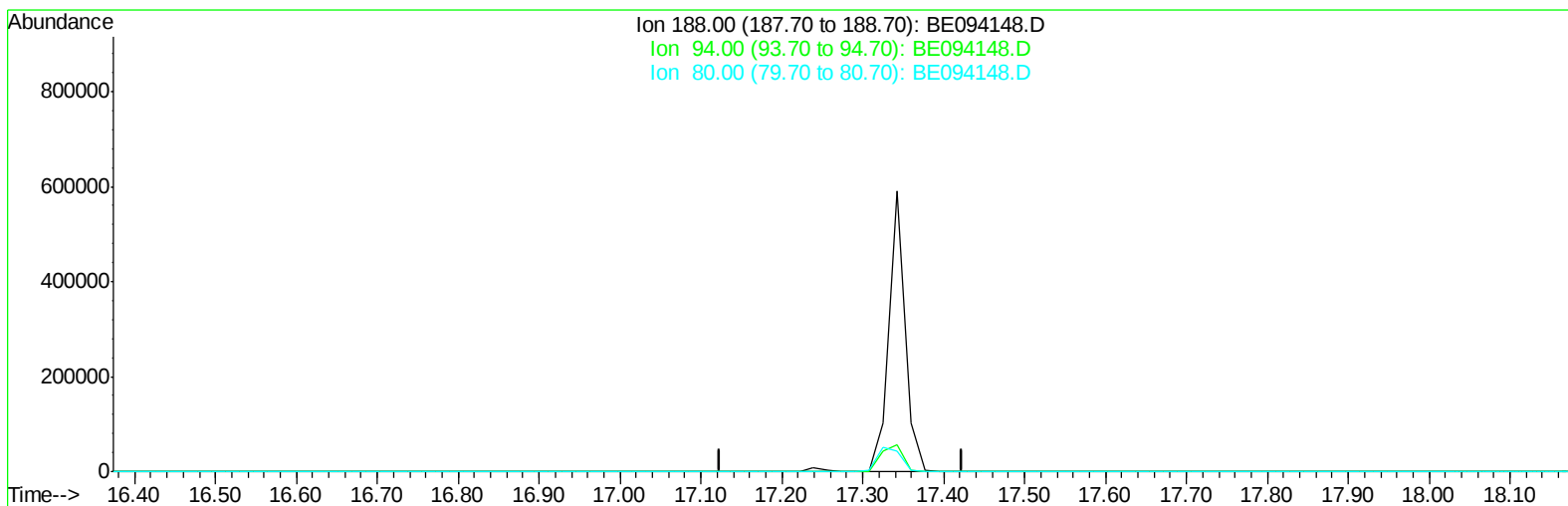
Data Path : Z:\HPCHEM1\BNA_E\Data\BE092917\
Data File : BE094148.D
Acq On : 29 Sep 2017 12:15
Operator : SJ/JU
Sample : I5505-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B0AD5

Manual Integrations
APPROVED

Sohil
10/2/2017 5:37:25 PM

Quant Time: Sep 29 14:46:34 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 29 14:23:42 2017
Response via : Initial Calibration



TIC: BE094148.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

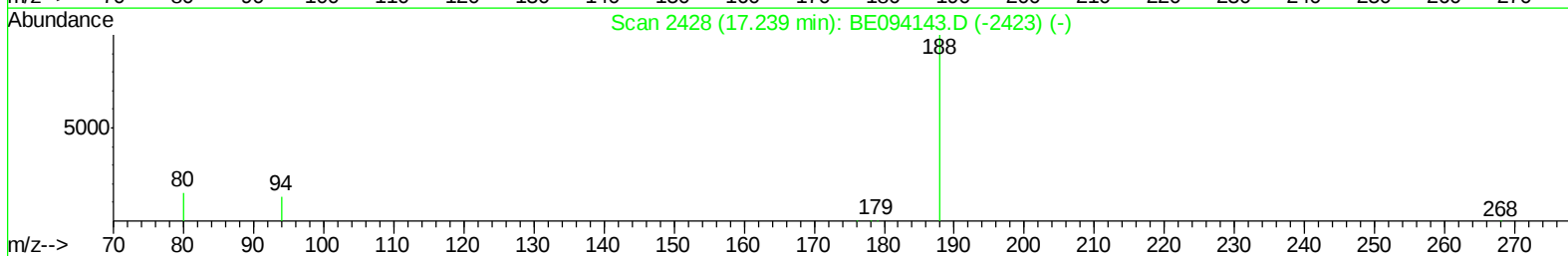
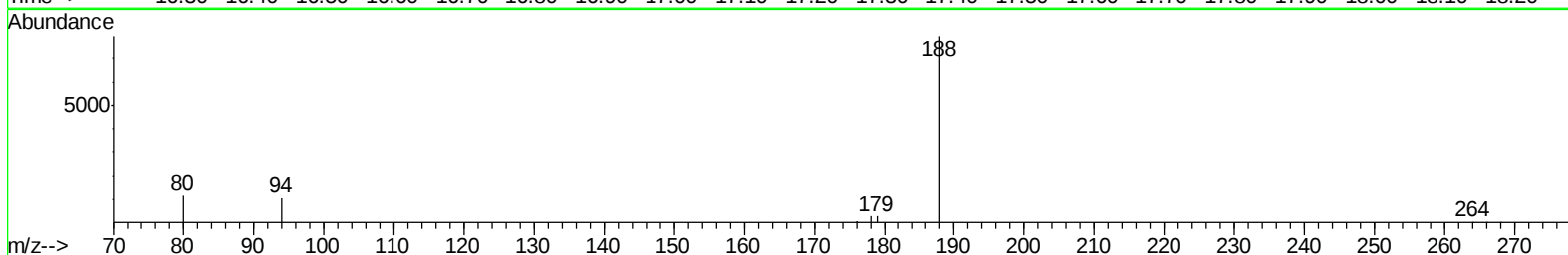
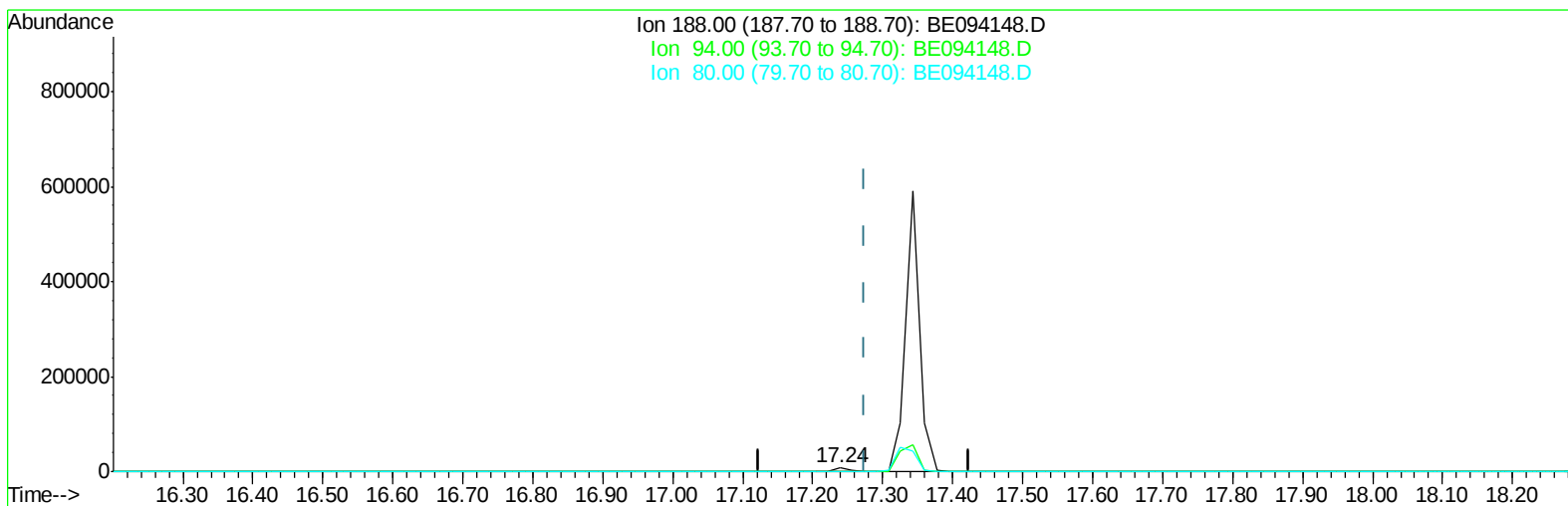
Data Path : Z:\HPCHEM1\BNA_E\Data\BE092917\
Data File : BE094148.D
Acq On : 29 Sep 2017 12:15
Operator : SJ/JU
Sample : I5505-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B0AD5

Manual Integrations
APPROVED

Sohil
10/2/2017 5:37:25 PM

Quant Time: Sep 29 14:46:34 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 29 14:23:42 2017
Response via : Initial Calibration



TIC: BE094148.D

(10) Phenanthrene-d10 (I)

17.239min (-0.035) 0.40ng/ul m

response 13450

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	13.60#
80.00	11.80	14.67#
0.00	0.00	0.00

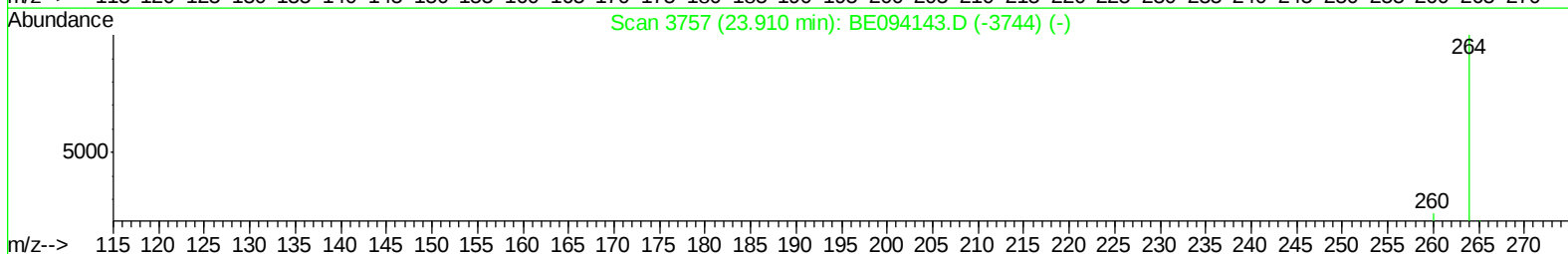
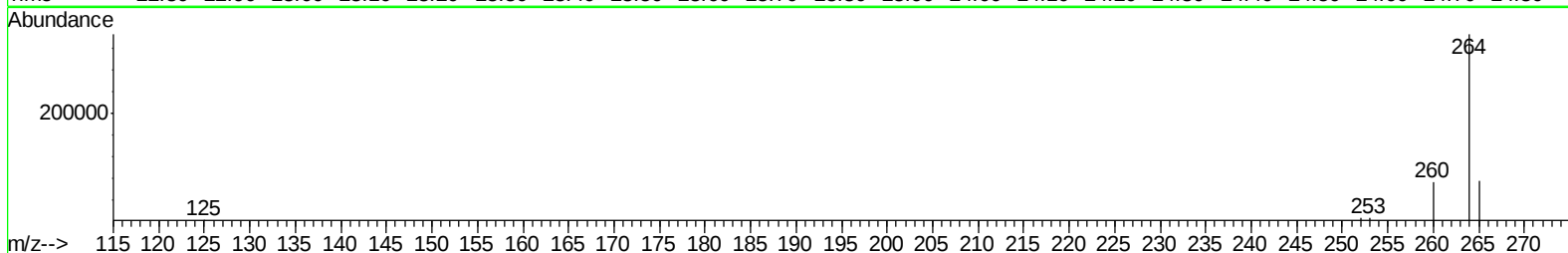
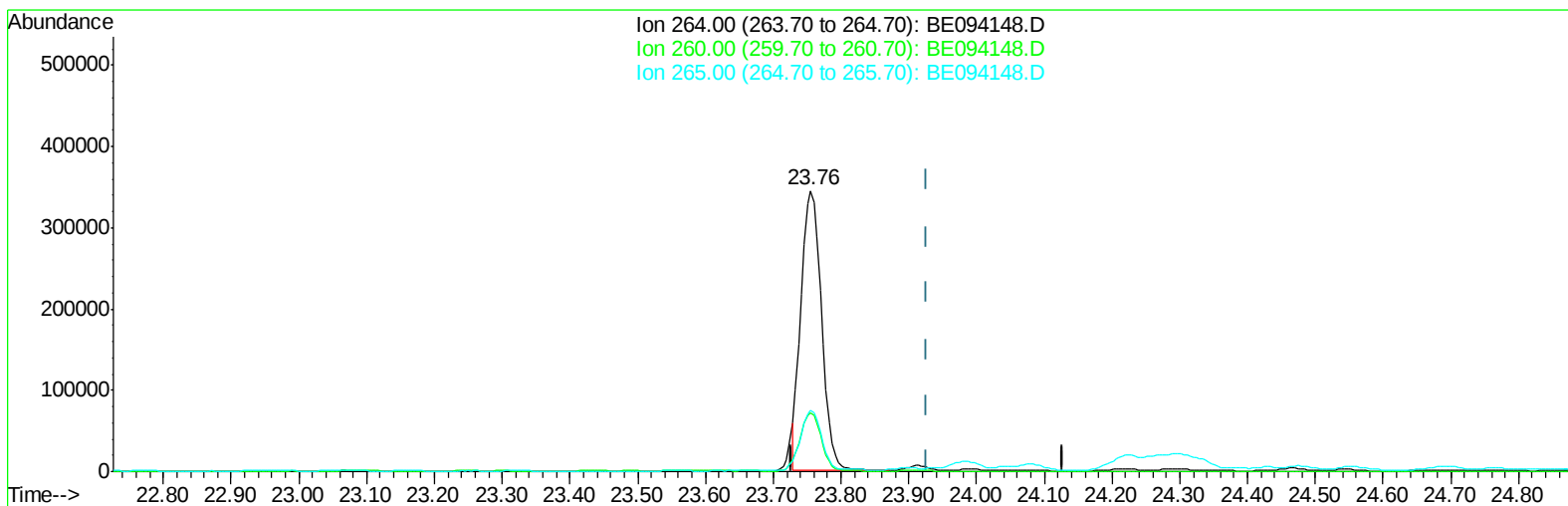
Data Path : Z:\HPCHEM1\BNA_E\Data\BE092917\
Data File : BE094148.D
Acq On : 29 Sep 2017 12:15
Operator : SJ/JU
Sample : I5505-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B0AD5

Manual Integrations
APPROVED

Sohil
10/2/2017 5:37:25 PM

Quant Time: Sep 29 14:47:28 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 29 14:23:42 2017
Response via : Initial Calibration



TIC: BE094148.D

(20) Perylene-d12 (I)

23.755min (-0.172) 0.40ng/ul

response 724382

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.91#
265.00	103.50	21.62#
0.00	0.00	0.00

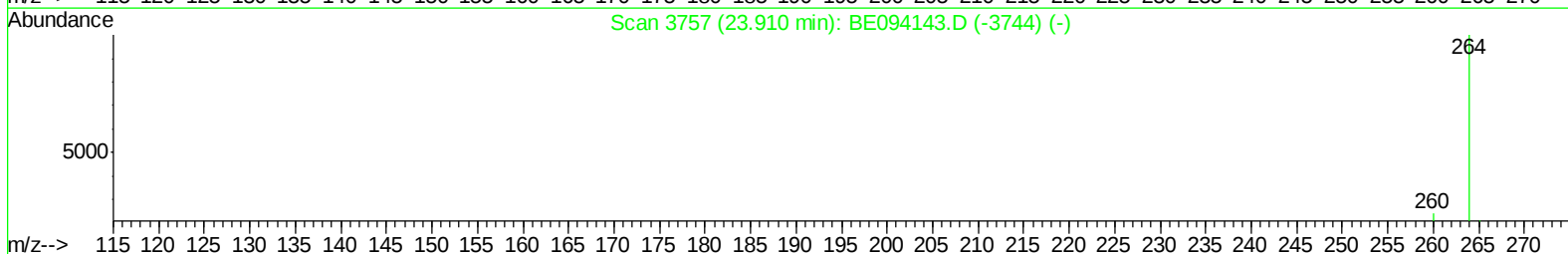
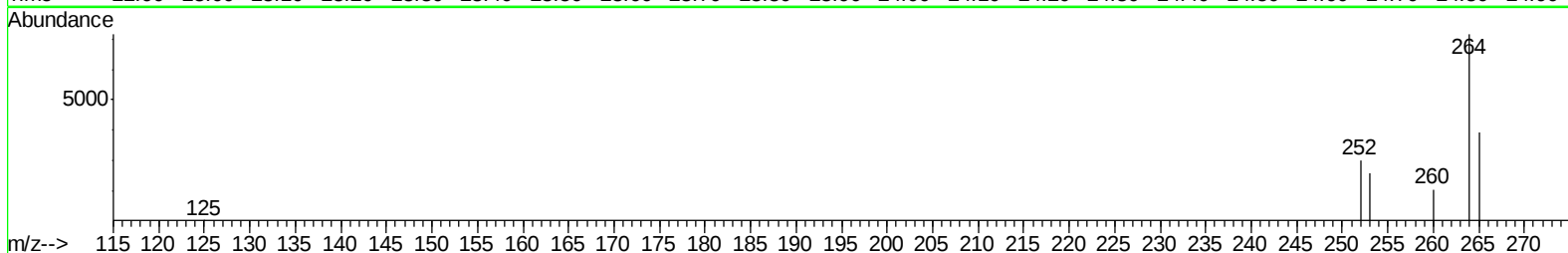
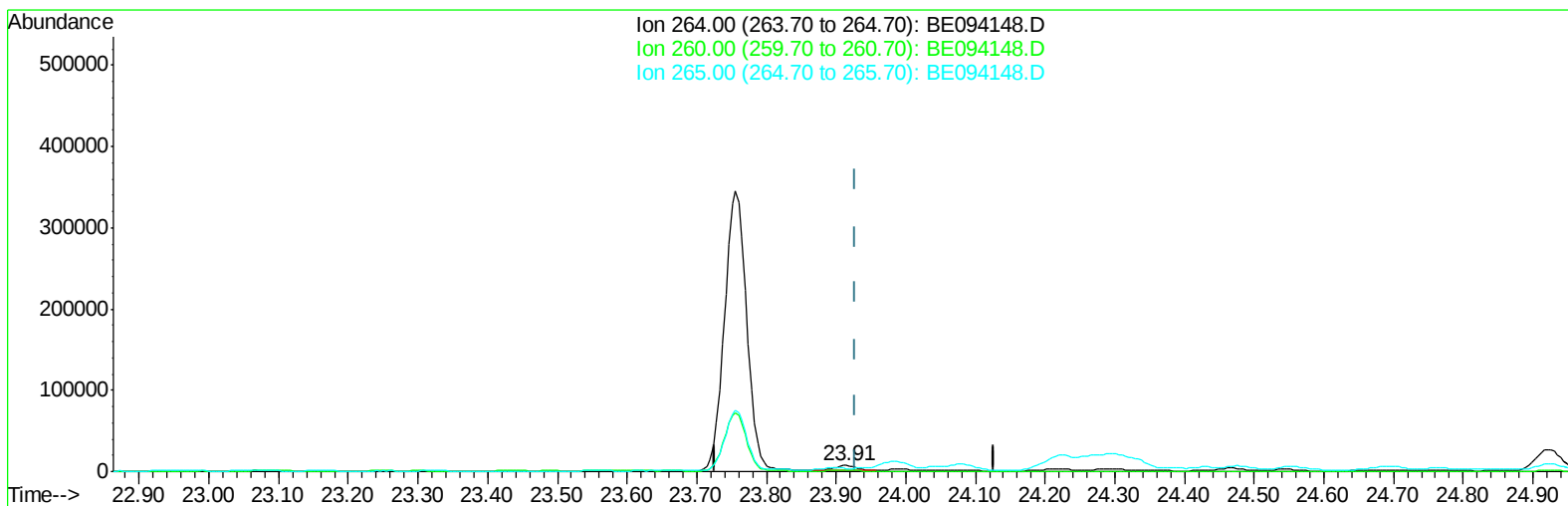
Data Path : Z:\HPCHEM1\BNA_E\Data\BE092917\
Data File : BE094148.D
Acq On : 29 Sep 2017 12:15
Operator : SJ/JU
Sample : I5505-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B0AD5

Manual Integrations
APPROVED

Sohil
10/2/2017 5:37:25 PM

Quant Time: Sep 29 14:47:28 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 29 14:23:42 2017
Response via : Initial Calibration



TIC: BE094148.D

(20) Perylene-d12 (I)

23.915min (-0.013) 0.40ng/ul m

response 12246

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	28.36
265.00	103.50	54.74#
0.00	0.00	0.00

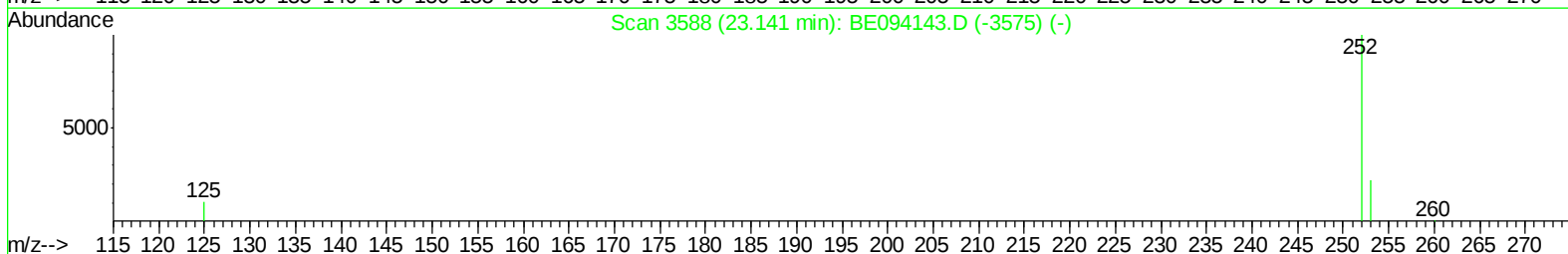
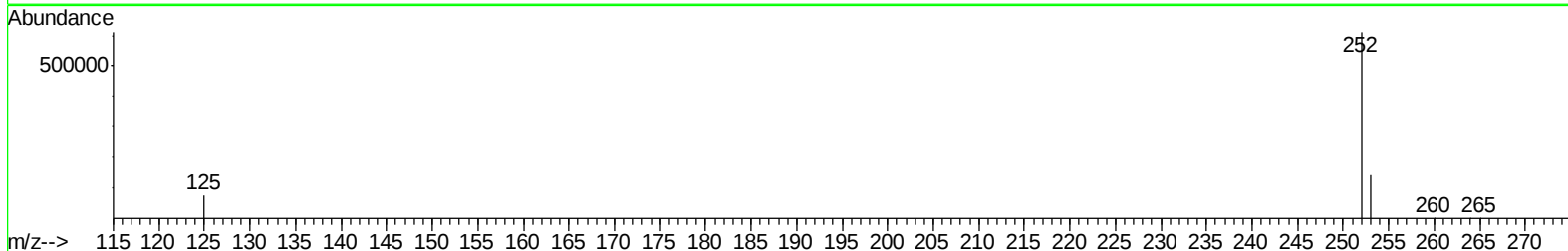
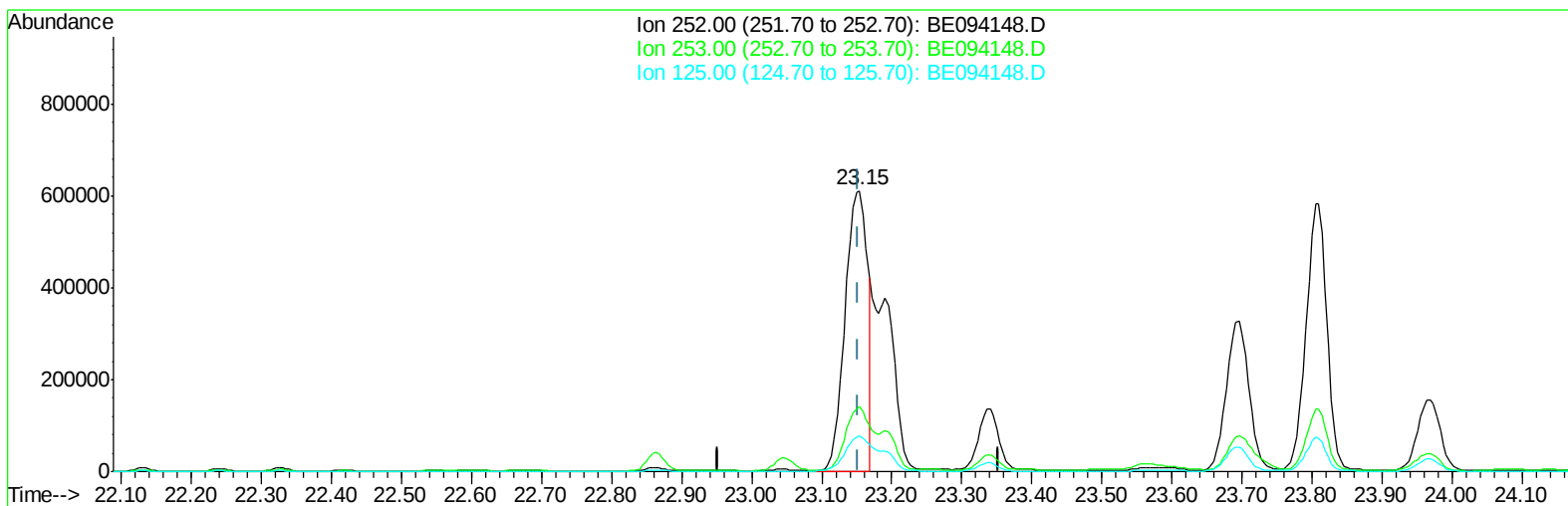
Data Path : Z:\HPCHEM1\BNA_E\Data\BE092917\
Data File : BE094148.D
Acq On : 29 Sep 2017 12:15
Operator : SJ/JU
Sample : I5505-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B0AD5

Manual Integrations
APPROVED

Sohil
10/2/2017 5:37:25 PM

Quant Time: Sep 29 14:48:13 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 29 14:23:42 2017
Response via : Initial Calibration



TIC: BE094148.D

(21) Benzo(b)fluoranthene

23.154min (+0.001) 40.33ng/ul

response 1341707

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.03
125.00	17.50	12.57
0.00	0.00	0.00

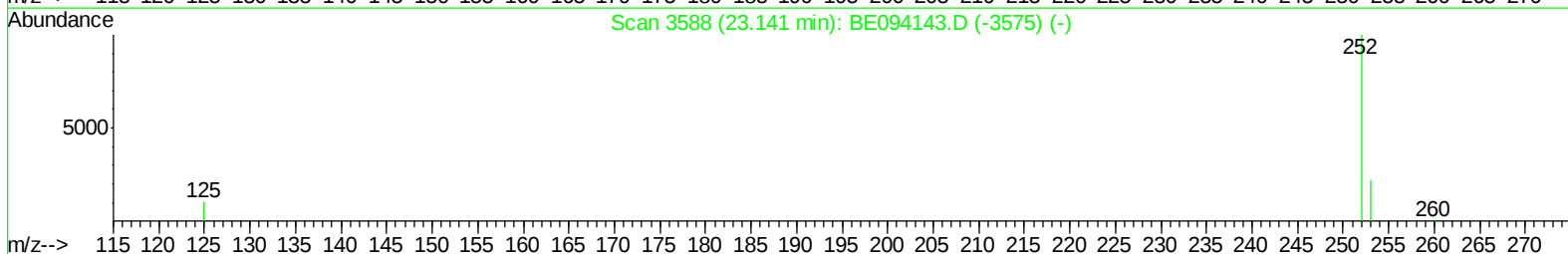
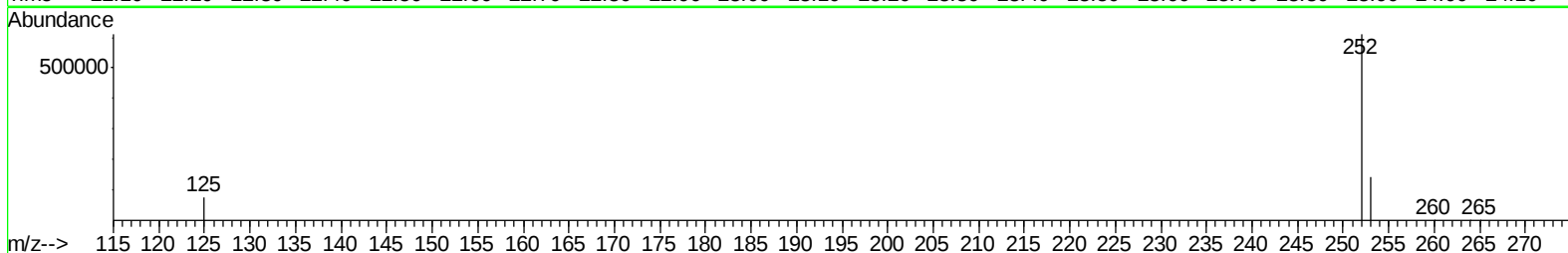
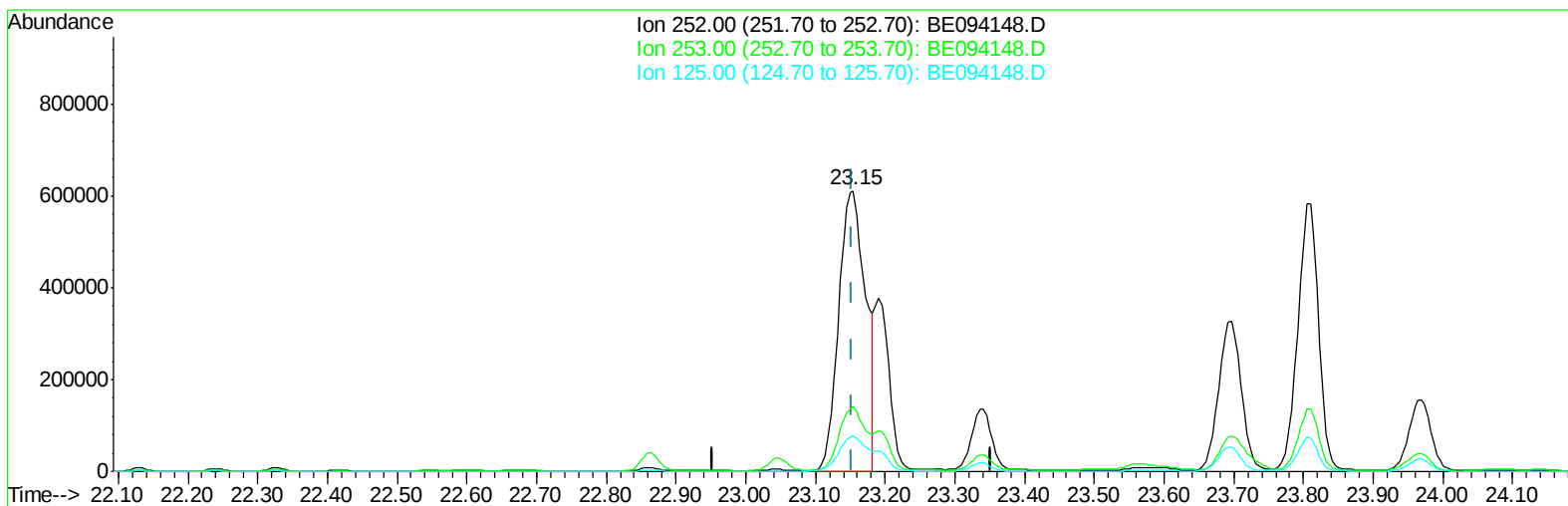
Data Path : Z:\HPCHEM1\BNA_E\Data\BE092917\
Data File : BE094148.D
Acq On : 29 Sep 2017 12:15
Operator : SJ/JU
Sample : I5505-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B0AD5

Manual Integrations
APPROVED

Sohil
10/2/2017 5:37:25 PM

Quant Time: Sep 29 14:48:13 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 29 14:23:42 2017
Response via : Initial Calibration



TIC: BE094148.D

(21) Benzo(b)fluoranthene

23.154min (+0.001) 49.34ng/ul m

response 1641294

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.03
125.00	17.50	12.57
0.00	0.00	0.00

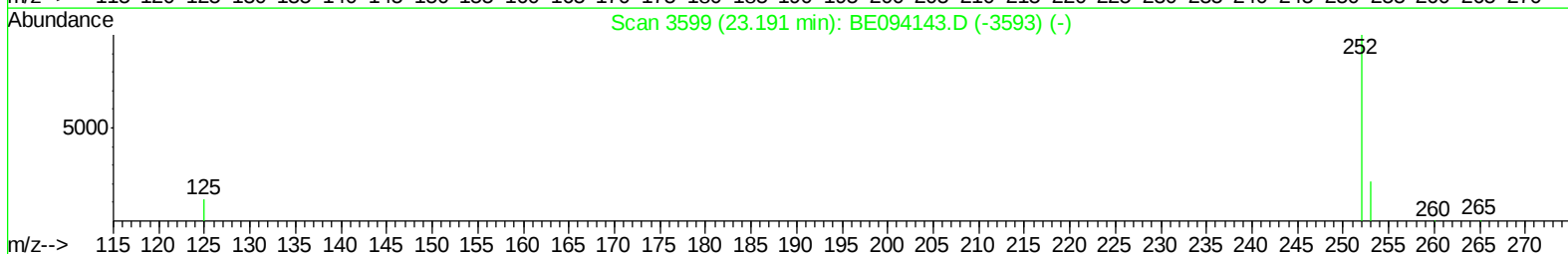
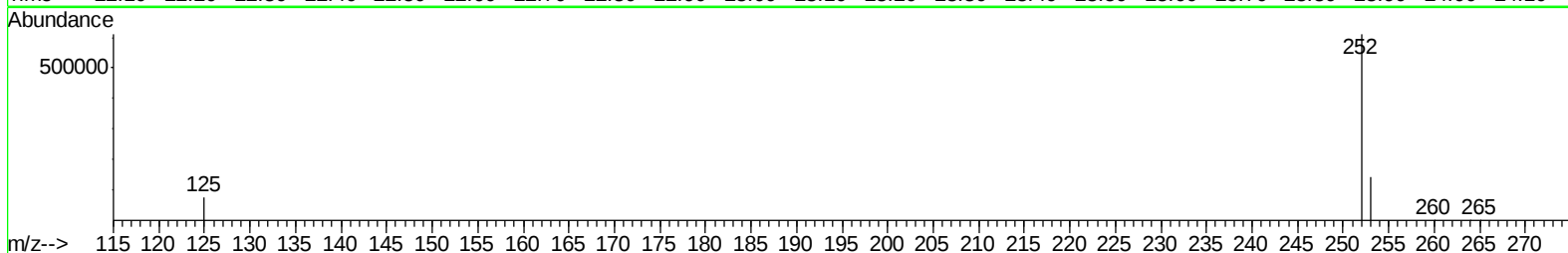
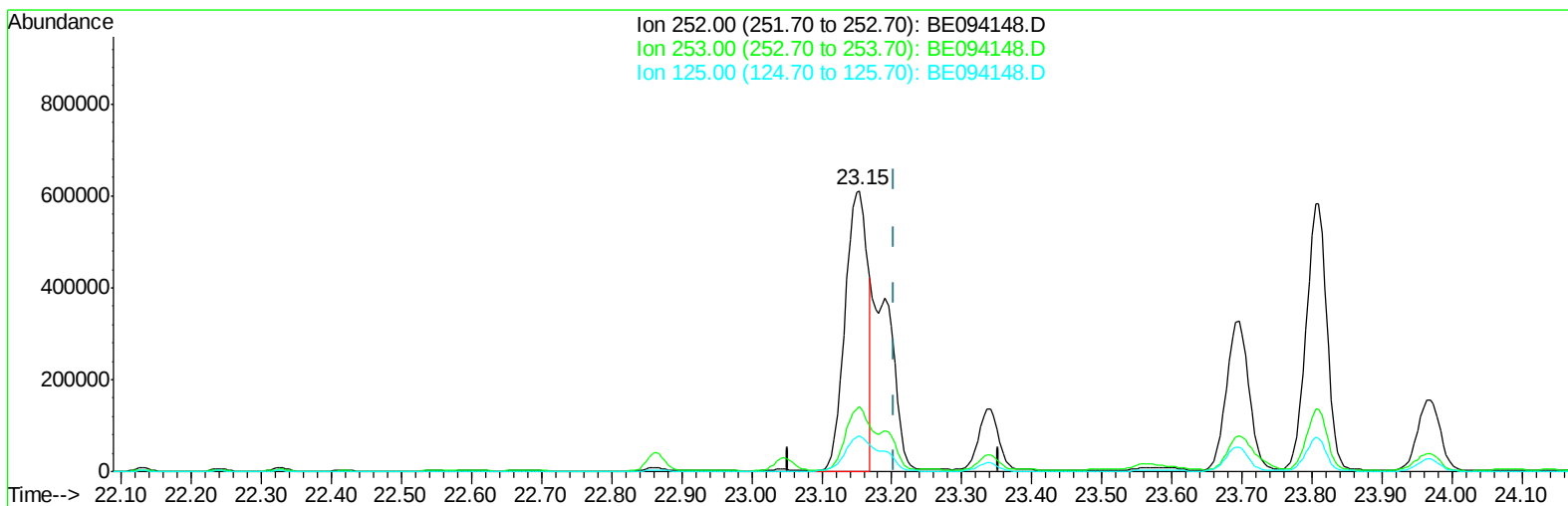
Data Path : Z:\HPCHEM1\BNA_E\Data\BE092917\
Data File : BE094148.D
Acq On : 29 Sep 2017 12:15
Operator : SJ/JU
Sample : I5505-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B0AD5

Manual Integrations
APPROVED

Sohil
10/2/2017 5:37:25 PM

Quant Time: Sep 29 14:48:13 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 29 14:23:42 2017
Response via : Initial Calibration



TIC: BE094148.D

(22) Benzo(k)fluoranthene

23.154min (-0.049) 34.89ng/ul

response 1341707

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.03#
125.00	17.10	12.57#
0.00	0.00	0.00

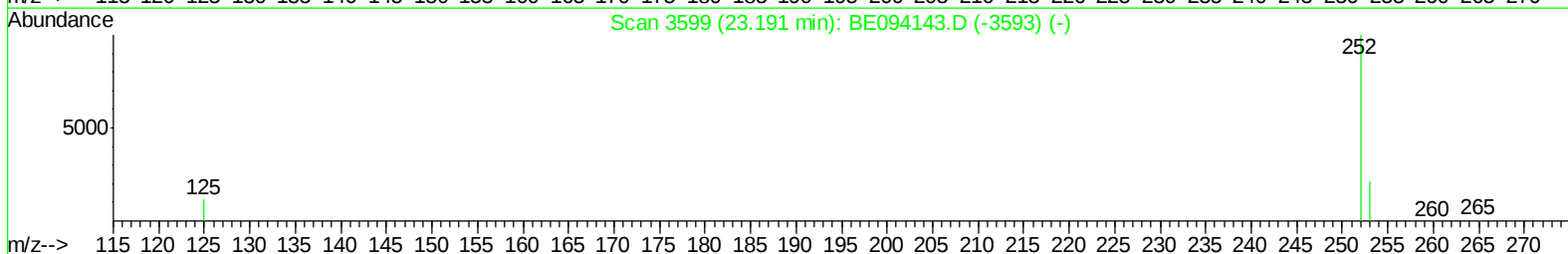
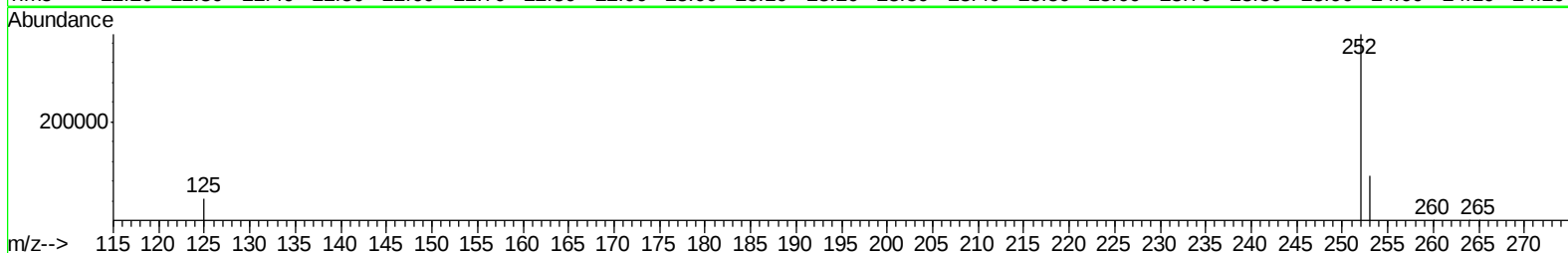
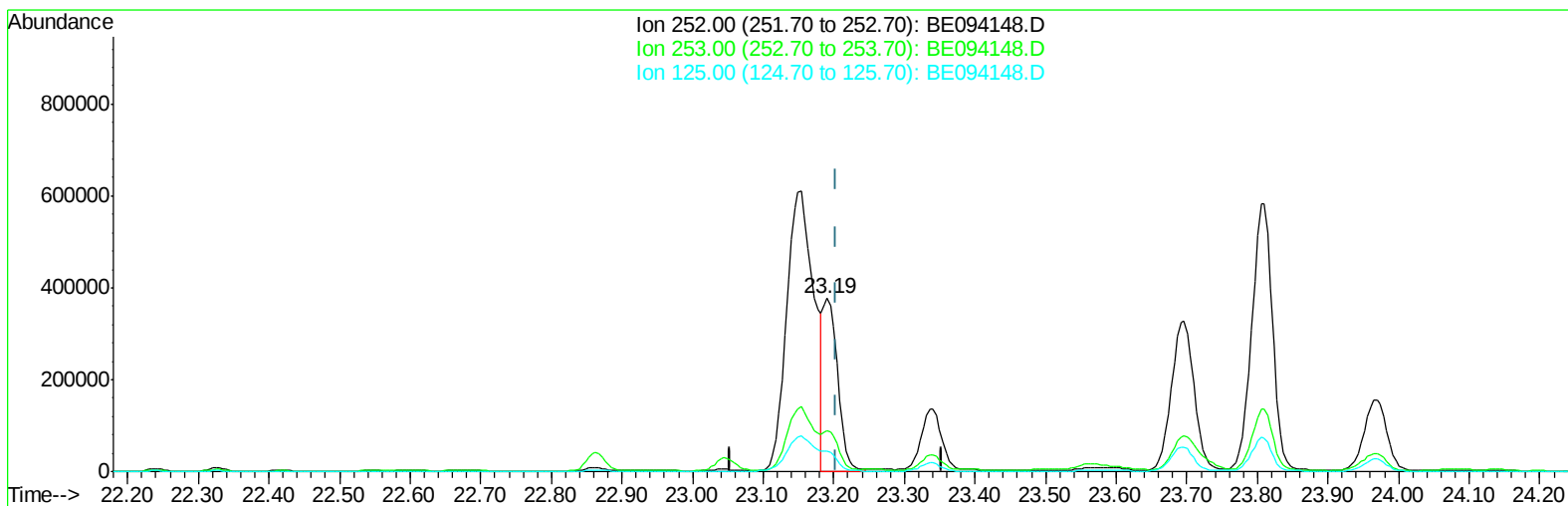
Data Path : Z:\HPCHEM1\BNA_E\Data\BE092917\
Data File : BE094148.D
Acq On : 29 Sep 2017 12:15
Operator : SJ/JU
Sample : I5505-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B0AD5

Manual Integrations
APPROVED

Sohil
10/2/2017 5:37:25 PM

Quant Time: Sep 29 14:48:13 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 29 14:23:42 2017
Response via : Initial Calibration



TIC: BE094148.D

(22) Benzo(k)fluoranthene

23.191min (-0.013) 14.21ng/ul m

response 546464

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.71#
125.00	17.10	11.77#
0.00	0.00	0.00

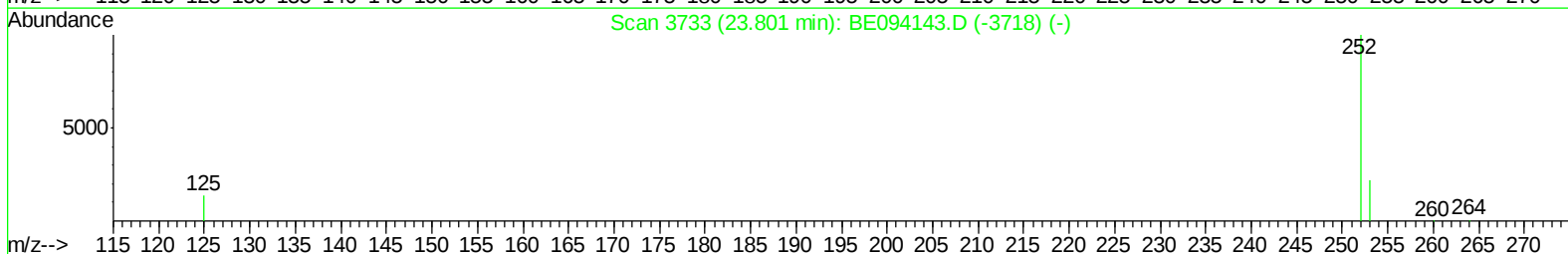
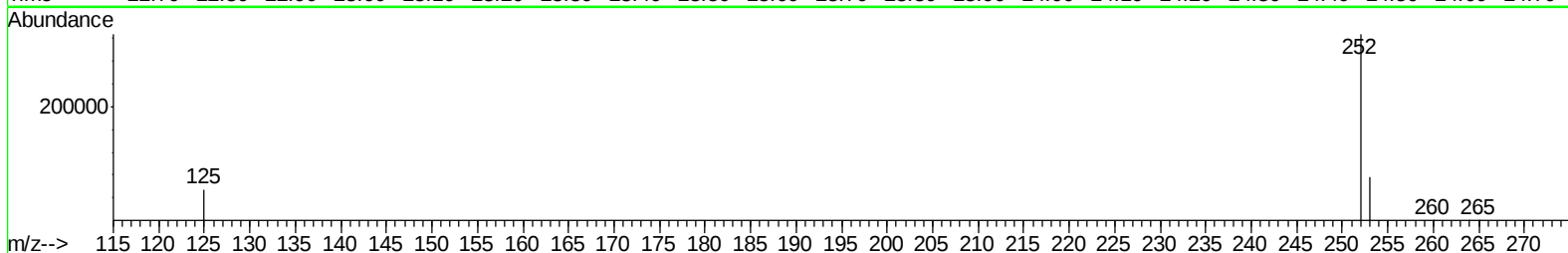
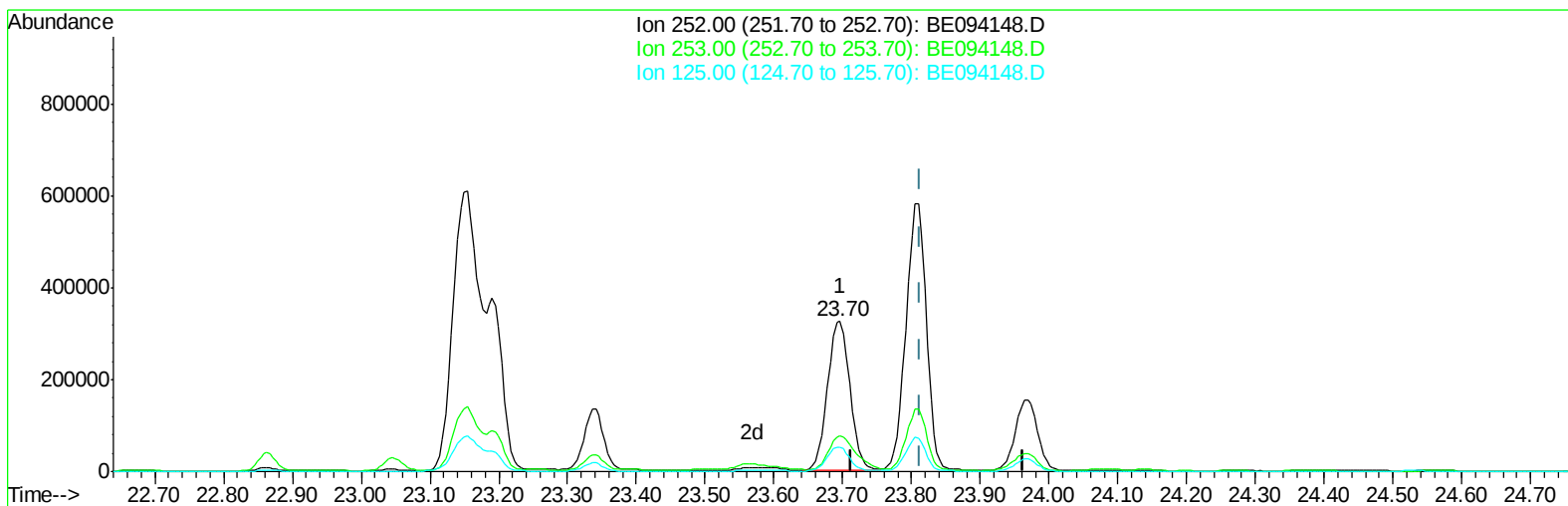
Data Path : Z:\HPCHEM1\BNA_E\Data\BE092917\
Data File : BE094148.D
Acq On : 29 Sep 2017 12:15
Operator : SJ/JU
Sample : I5505-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B0AD5

Manual Integrations
APPROVED

Sohil
10/2/2017 5:37:25 PM

Quant Time: Sep 29 14:48:13 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 29 14:23:42 2017
Response via : Initial Calibration



TIC: BE094148.D

(23) Benzo(a)pyrene (C)

23.696min (-0.117) 21.18ng/ul

response 732158

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	23.59#
125.00	22.60	16.59#
0.00	0.00	0.00

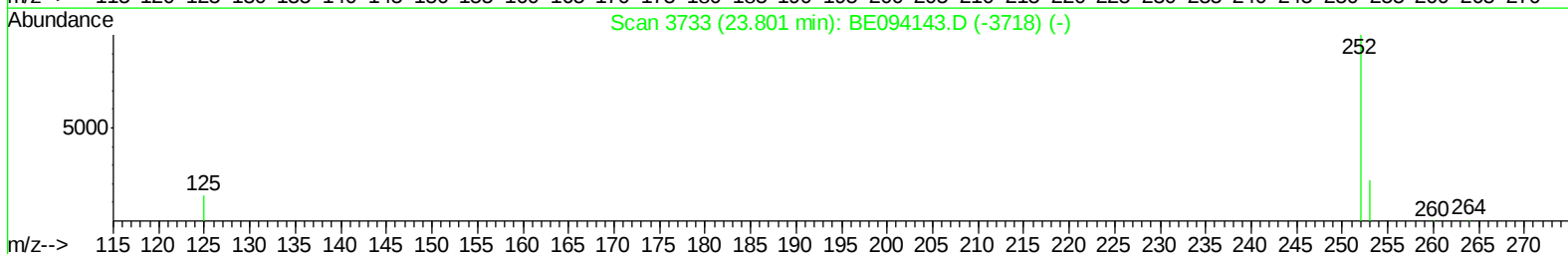
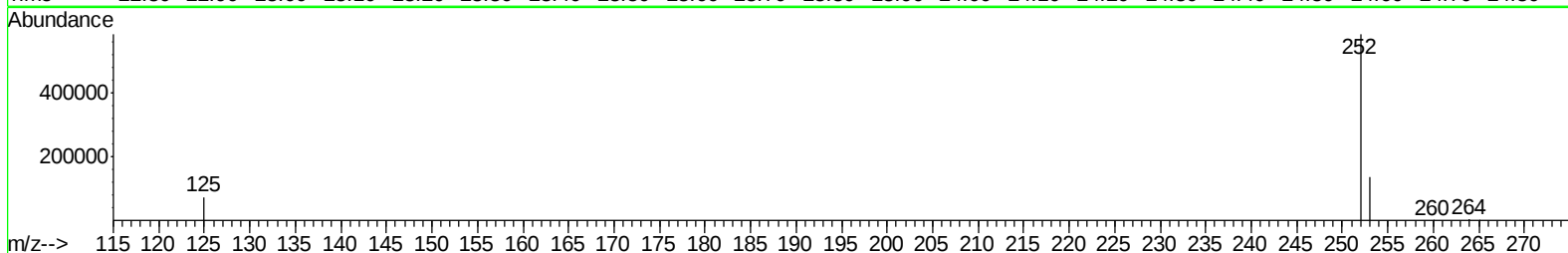
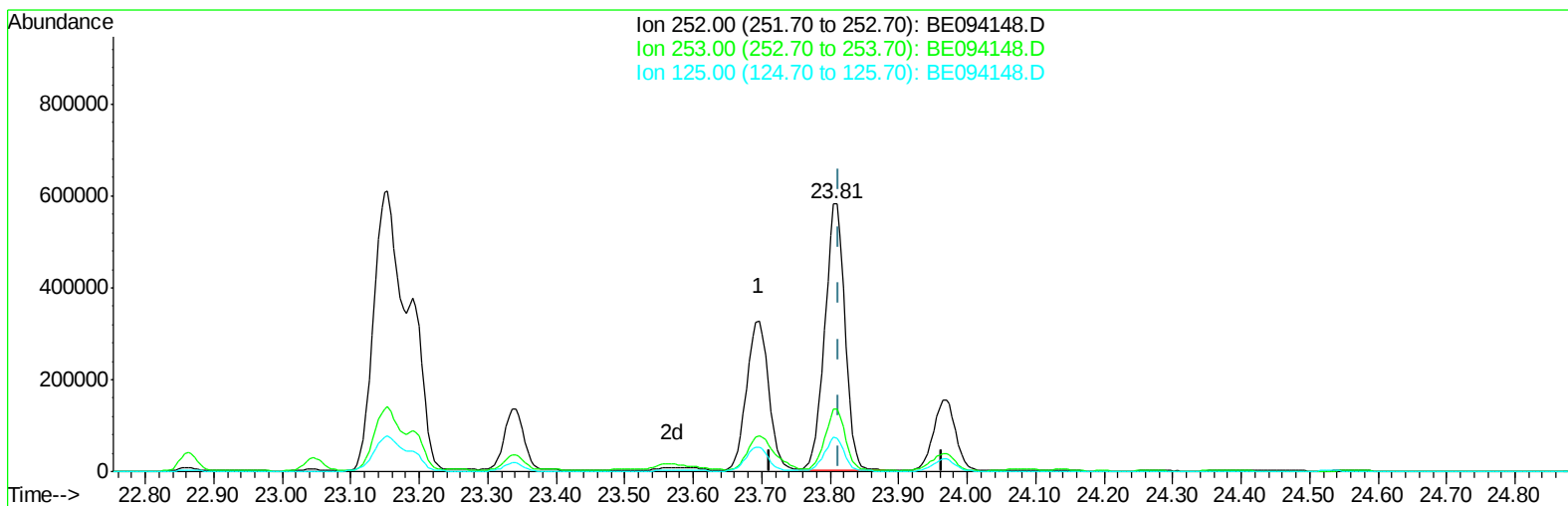
Data Path : Z:\HPCHEM1\BNA_E\Data\BE092917\
Data File : BE094148.D
Acq On : 29 Sep 2017 12:15
Operator : SJ/JU
Sample : I5505-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B0AD5

Quant Time: Sep 29 14:48:13 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 29 14:23:42 2017
Response via : Initial Calibration

Manual Integrations
APPROVED

Sohil
10/2/2017 5:37:25 PM



TIC: BE094148.D

(23) Benzo(a)pyrene (C)

23.805min (-0.008) 34.74ng/ul m

response 1200957

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	23.33#
125.00	22.60	12.68#
0.00	0.00	0.00

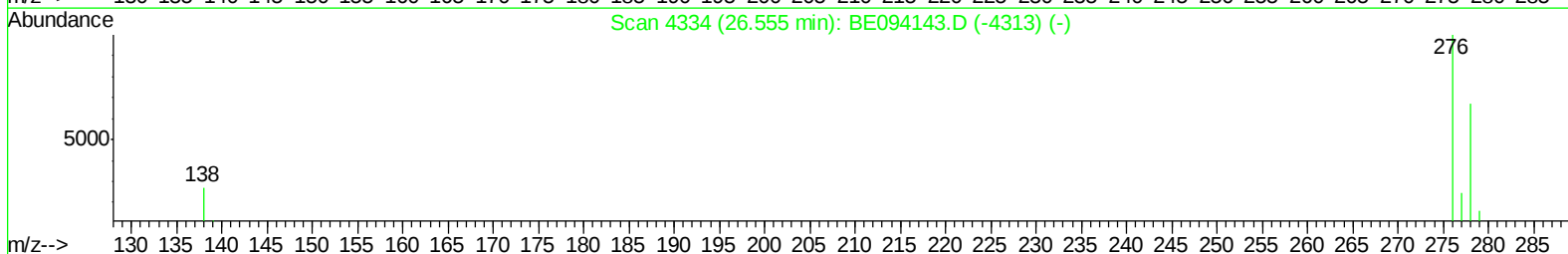
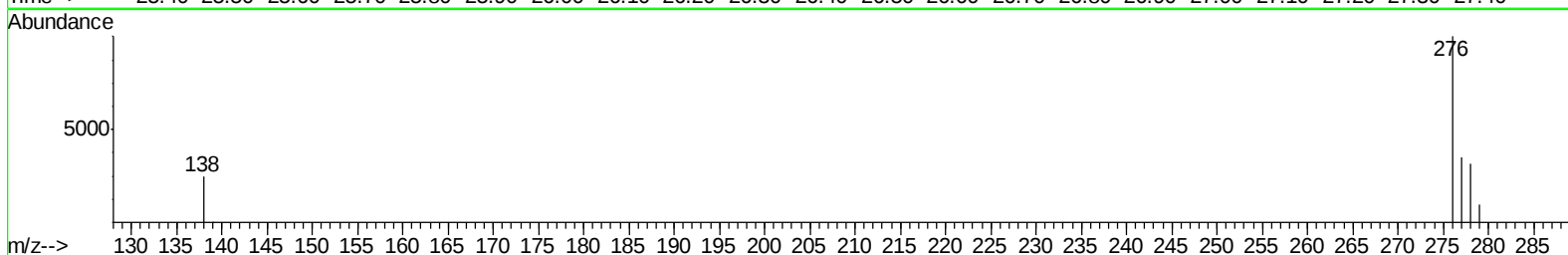
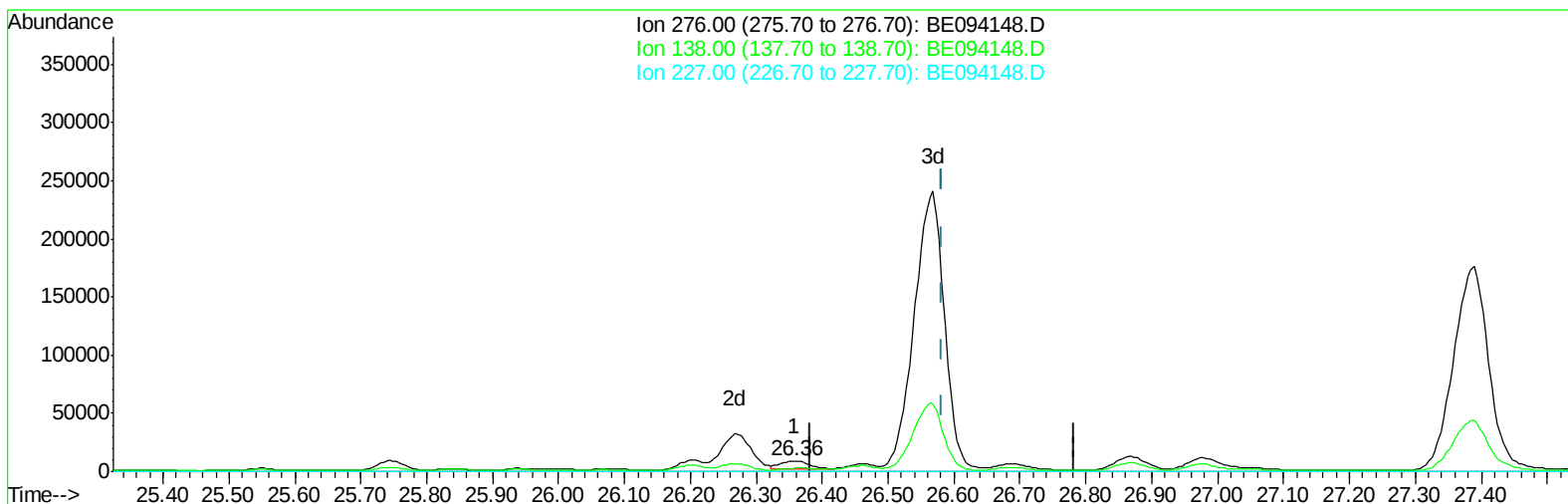
Data Path : Z:\HPCHEM1\BNA_E\Data\BE092917\
Data File : BE094148.D
Acq On : 29 Sep 2017 12:15
Operator : SJ/JU
Sample : I5505-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B0AD5

Manual Integrations
APPROVED

Sohil
10/2/2017 5:37:25 PM

Quant Time: Sep 29 14:48:13 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
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QLast Update : Fri Sep 29 14:23:42 2017
Response via : Initial Calibration



TIC: BE094148.D

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

26.359min (-0.224) 0.53ng/ul

response 18636

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	27.52#
227.00	10.00	0.00#
0.00	0.00	0.00

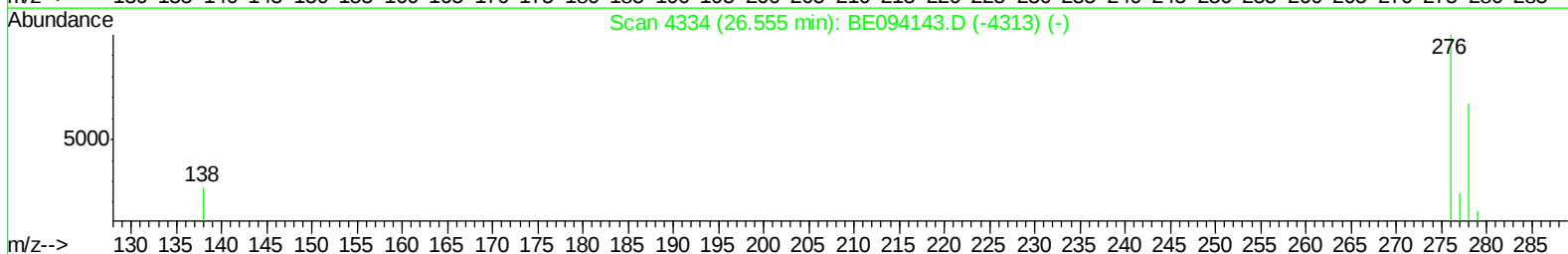
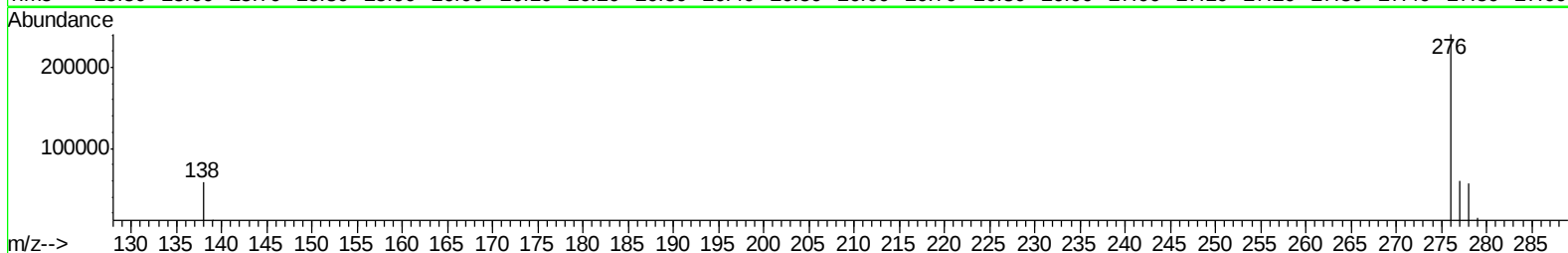
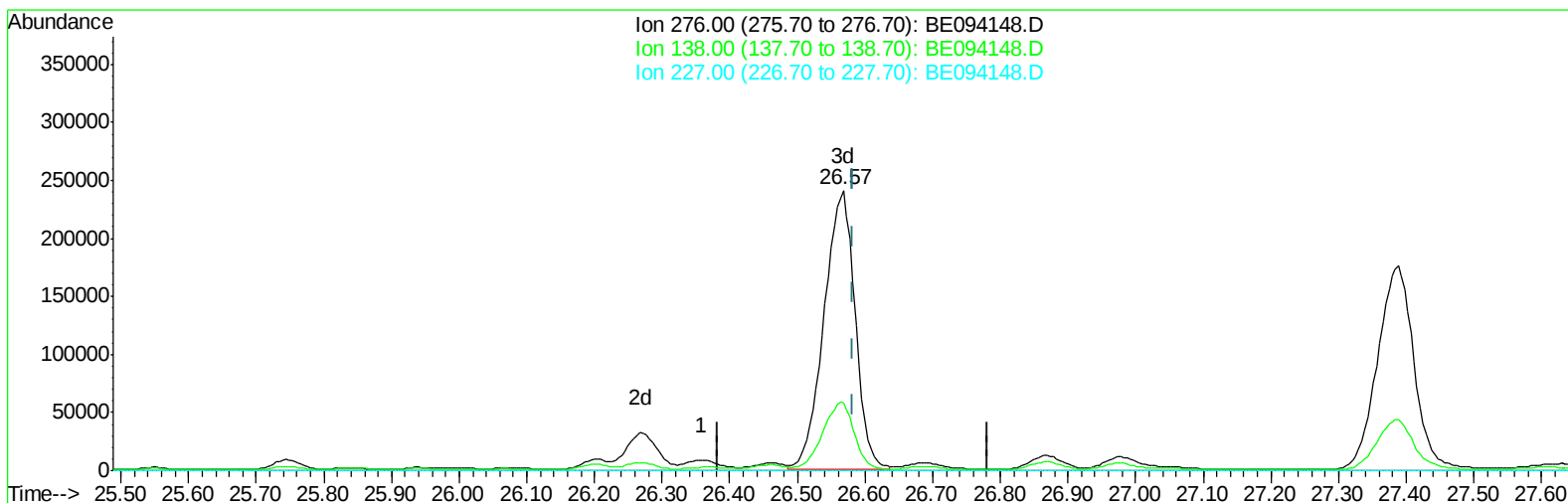
Data Path : Z:\HPCHEM1\BNA_E\Data\BE092917\
Data File : BE094148.D
Acq On : 29 Sep 2017 12:15
Operator : SJ/JU
Sample : I5505-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B0AD5

Manual Integrations
APPROVED

Sohil
10/2/2017 5:37:25 PM

Quant Time: Sep 29 14:48:13 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 29 14:23:42 2017
Response via : Initial Calibration



TIC: BE094148.D

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

26.568min (-0.015) 21.69ng/ul m

response 767114

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	0.67#
227.00	10.00	0.00#
0.00	0.00	0.00

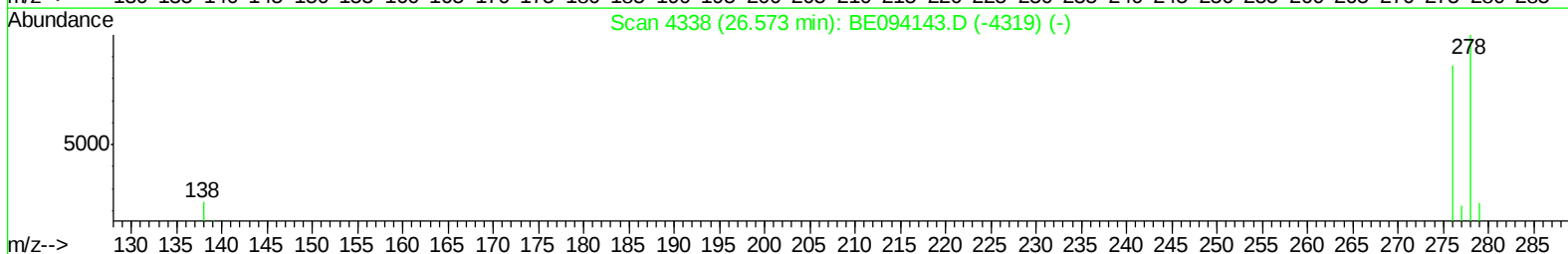
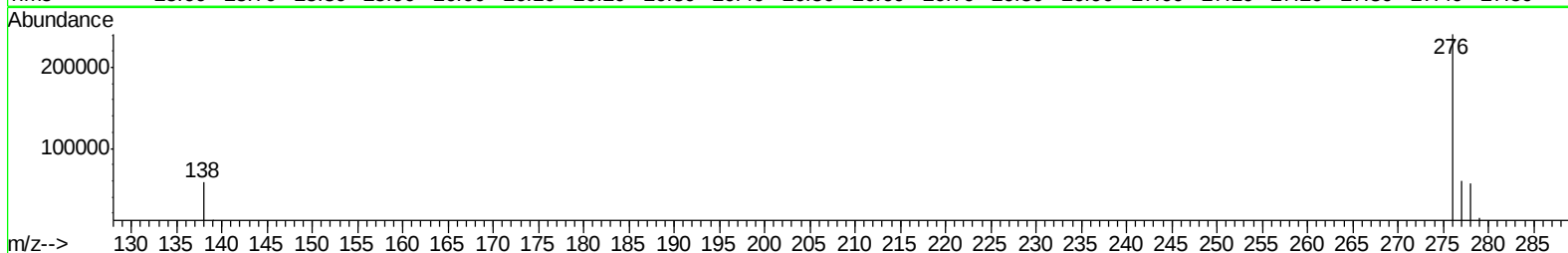
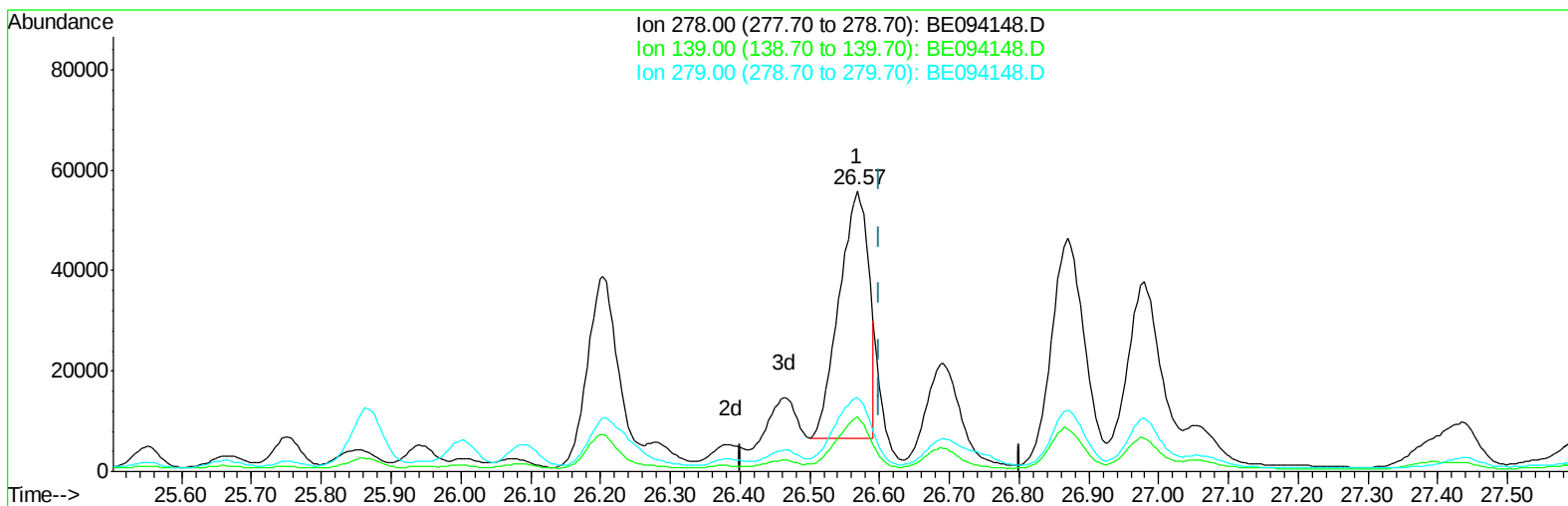
Data Path : Z:\HPCHEM1\BNA_E\Data\BE092917\
Data File : BE094148.D
Acq On : 29 Sep 2017 12:15
Operator : SJ/JU
Sample : I5505-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B0AD5

Manual Integrations
APPROVED

Sohil
10/2/2017 5:37:25 PM

Quant Time: Sep 29 14:48:13 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 29 14:23:42 2017
Response via : Initial Calibration



TIC: BE094148.D

(25) Dibenzo(a,h)anthracene

26.568min (-0.033) 4.96ng/ul

response 147100

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	19.39
279.00	32.40	26.30
0.00	0.00	0.00

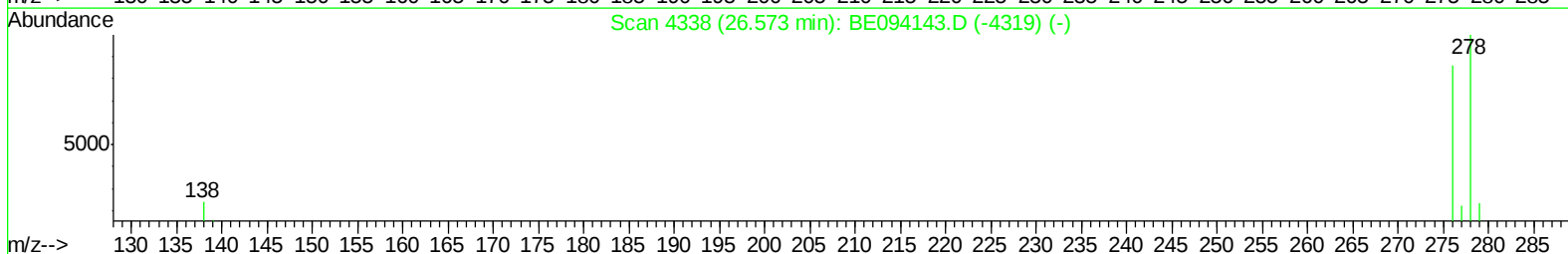
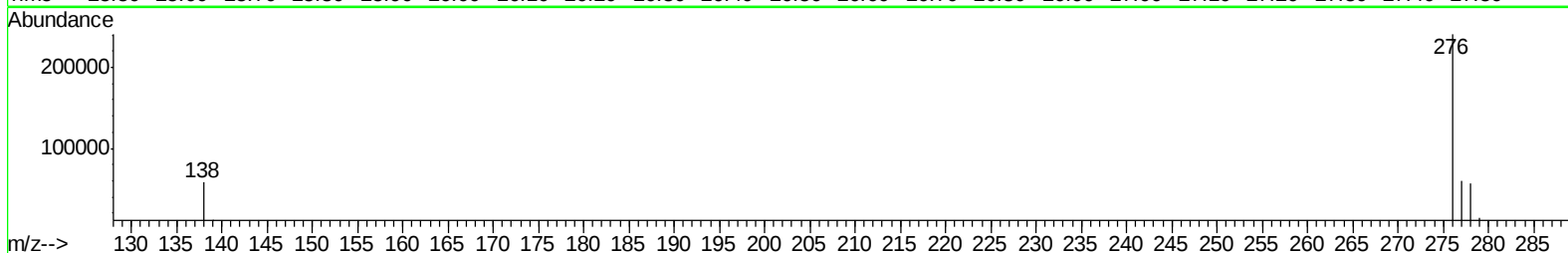
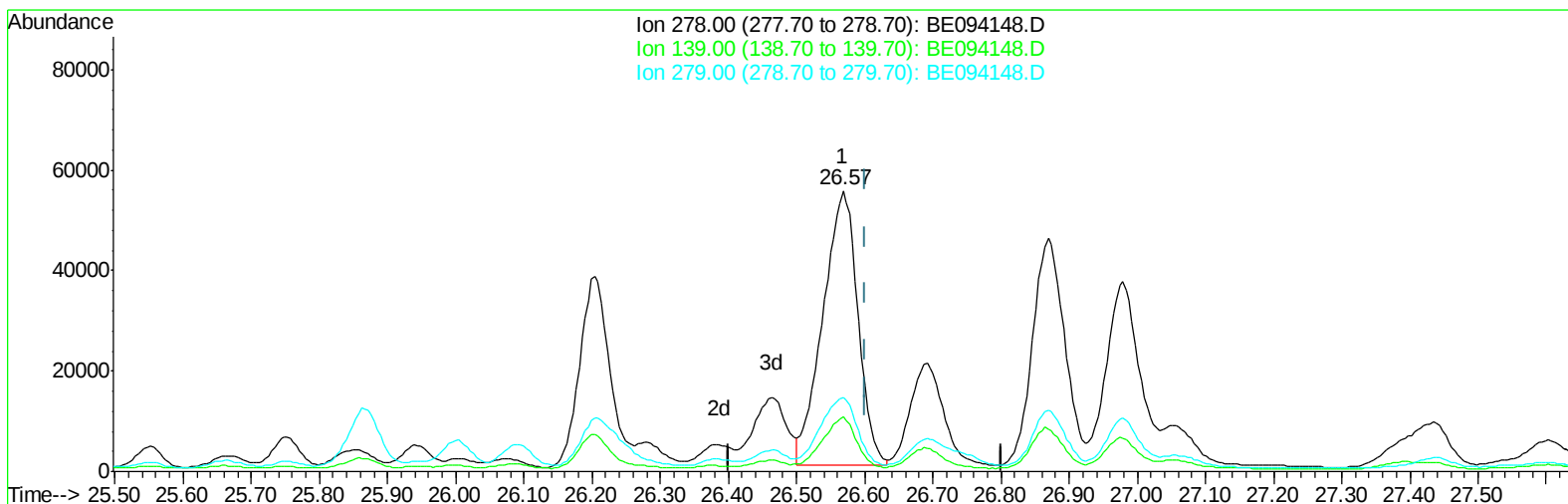
Data Path : Z:\HPCHEM1\BNA_E\Data\BE092917\
Data File : BE094148.D
Acq On : 29 Sep 2017 12:15
Operator : SJ/JU
Sample : I5505-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B0AD5

Manual Integrations
APPROVED

Sohil
10/2/2017 5:37:25 PM

Quant Time: Sep 29 14:48:13 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 29 14:23:42 2017
Response via : Initial Calibration



TIC: BE094148.D

(25) Dibenzo(a,h)anthracene

26.568min (-0.033) 6.56ng/ul m

response 194714

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	19.39
279.00	32.40	26.30
0.00	0.00	0.00

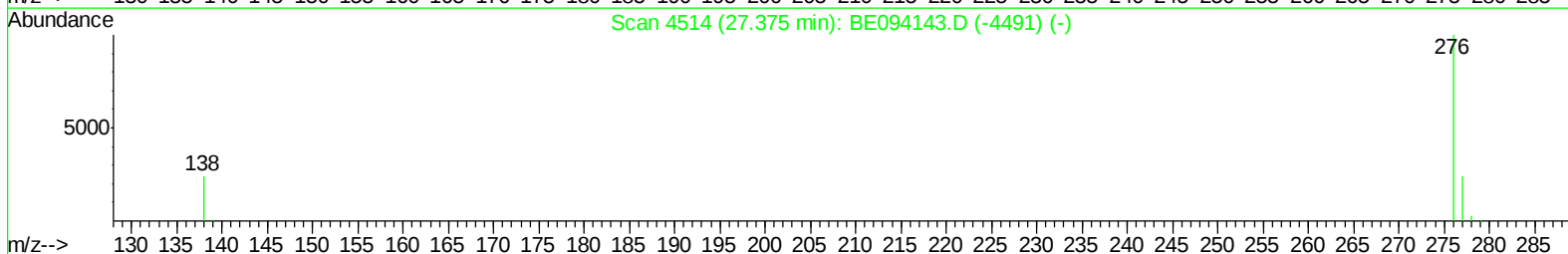
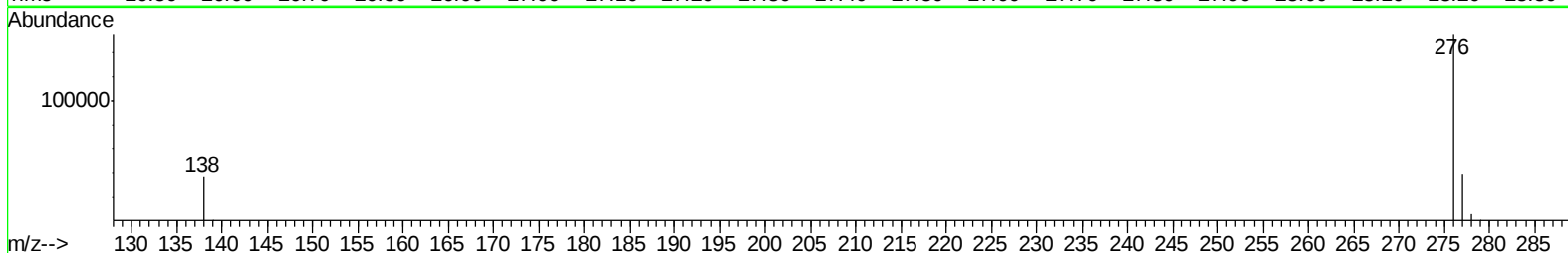
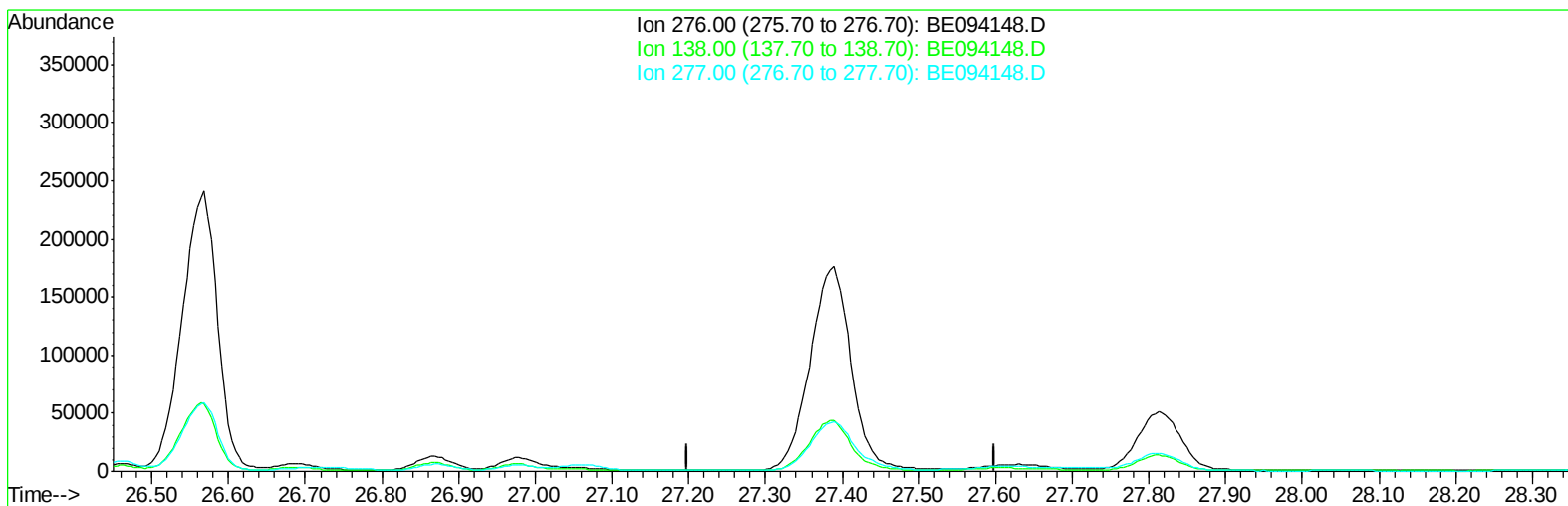
Data Path : Z:\HPCHEM1\BNA_E\Data\BE092917\
Data File : BE094148.D
Acq On : 29 Sep 2017 12:15
Operator : SJ/JU
Sample : I5505-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B0AD5

Manual Integrations
APPROVED

Sohil
10/2/2017 5:37:25 PM

Quant Time: Sep 29 14:48:13 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 29 14:23:42 2017
Response via : Initial Calibration



TIC: BE094148.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

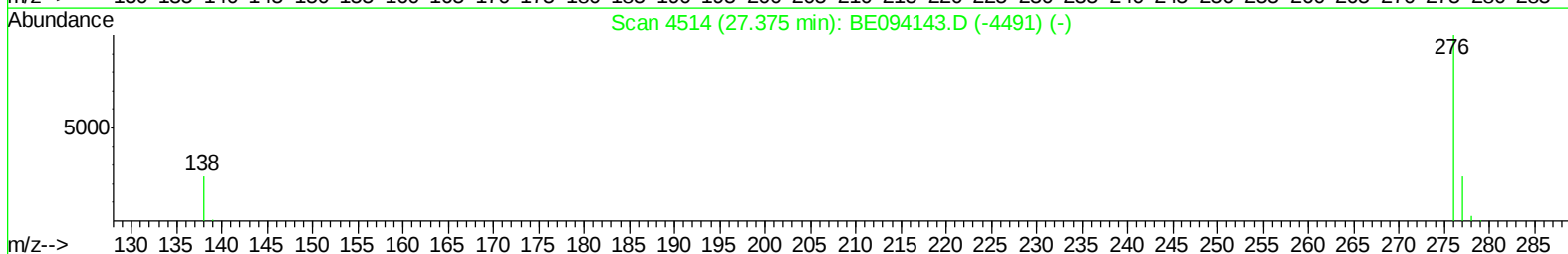
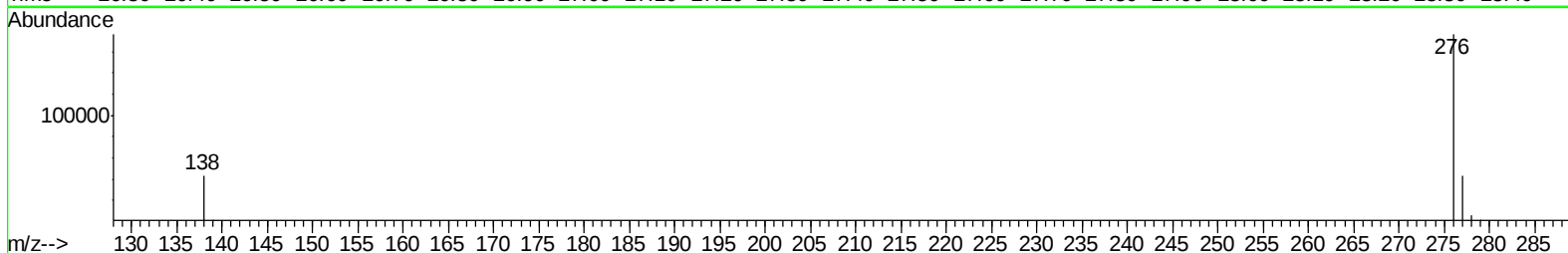
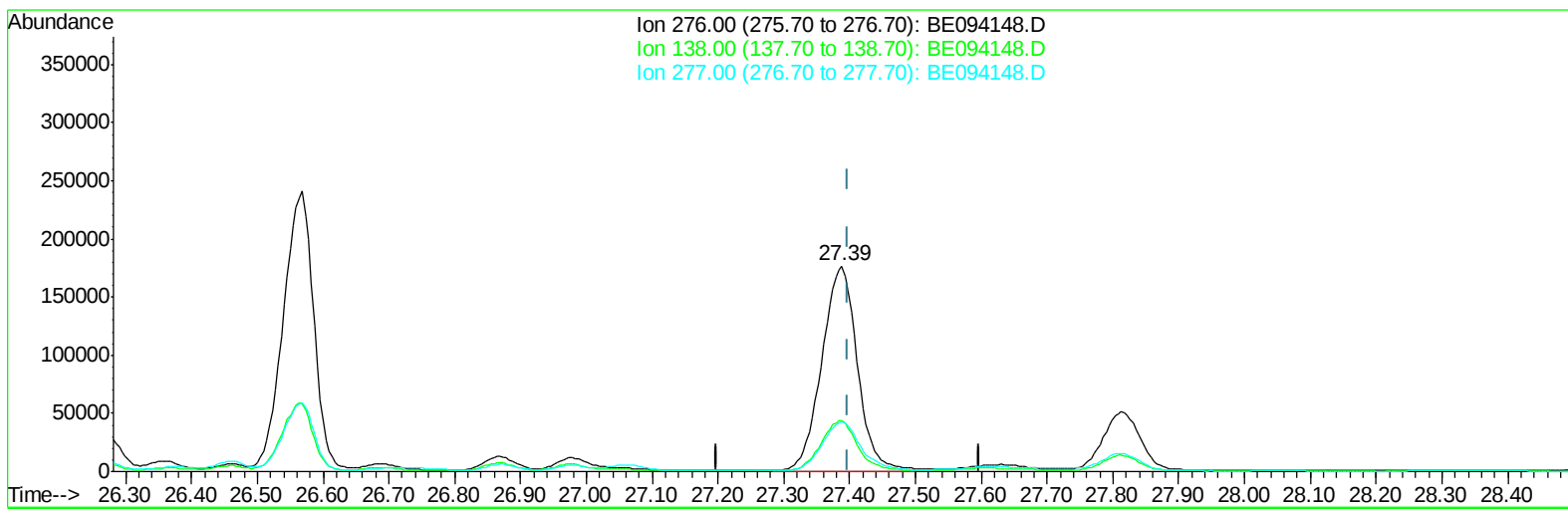
Data Path : Z:\HPCHEM1\BNA_E\Data\BE092917\
Data File : BE094148.D
Acq On : 29 Sep 2017 12:15
Operator : SJ/JU
Sample : I5505-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B0AD5

Manual Integrations
APPROVED

Sohil
10/2/2017 5:37:25 PM

Quant Time: Sep 29 14:48:13 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
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Response via : Initial Calibration



TIC: BE094148.D

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

27.389min (-0.010) 21.79ng/ul m

response 664607

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	24.62
277.00	25.60	24.23
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\Data\BE092917\
 Data File : BE094148.D
 Acq On : 29 Sep 2017 12:15
 Operator : SJ/JU
 Sample : I5505-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B0AD5

Manual Integrations
 APPROVED

Sohil
 10/2/2017 5:37:25 PM

Quant Time: Sep 29 14:50:47 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 29 14:23:42 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1460	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	7395	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.51	164	5312	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.24	188	13450m	0.40	ng/ul	-0.03
16) Chrysene-d12	21.41	240	13643	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	12246m	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	3080	0.27	ng/ul	-0.02
14) Fluoranthene-d10	19.27	212	10665	0.24	ng/ul	-0.02
Target Compounds					Qvalue	
3) Naphthalene	10.74	128	41516	2.292	ng/ul#	91
5) 2-Methylnaphthalene	12.34	142	13075	1.113	ng/ul	98
7) Acenaphthylene	14.23	152	65391	3.158	ng/ul	96
8) Acenaphthene	14.57	153	140159	8.221	ng/ul	97
9) Fluorene	15.56	166	167324	8.381	ng/ul#	94
12) Phenanthrene	17.29	178	2041785	58.092	ng/ul#	93
13) Anthracene	17.38	178	677835	19.829	ng/ul#	91
15) Fluoranthene	19.30	202	3256557	70.515	ng/ul	84
17) Pyrene	19.66	202	2675755	70.490	ng/ul#	84
18) Benzo(a)anthracene	21.39	228	1419702	39.226	ng/ul#	85
19) Chrysene	21.45	228	1265640	30.281	ng/ul	98
21) Benzo(b)fluoranthene	23.15	252	1641294m	49.338	ng/ul	
22) Benzo(k)fluoranthene	23.19	252	546464m	14.212	ng/ul	
23) Benzo(a)pyrene	23.81	252	1200957m	34.742	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.57	276	767114m	21.693	ng/ul	
25) Dibenzo(a,h)anthracene	26.57	278	194714m	6.565	ng/ul	
26) Benzo(g,h,i)perylene	27.39	276	664607m	21.789	ng/ul	

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

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Manual Integrations
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