

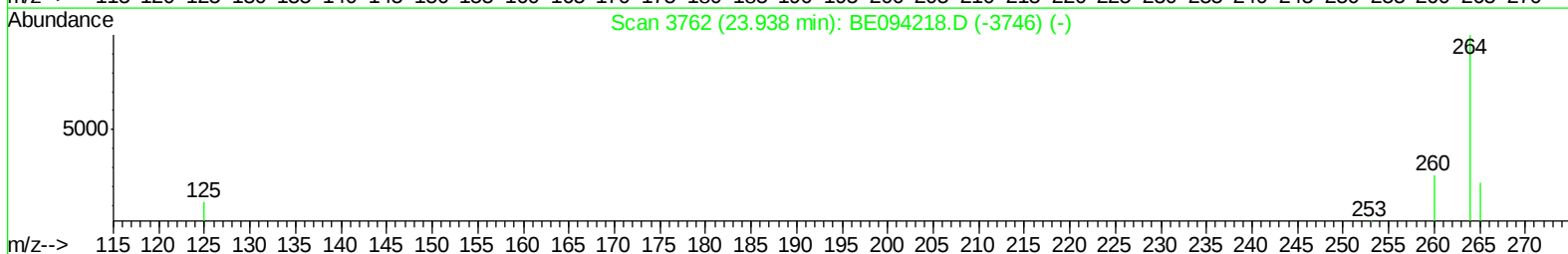
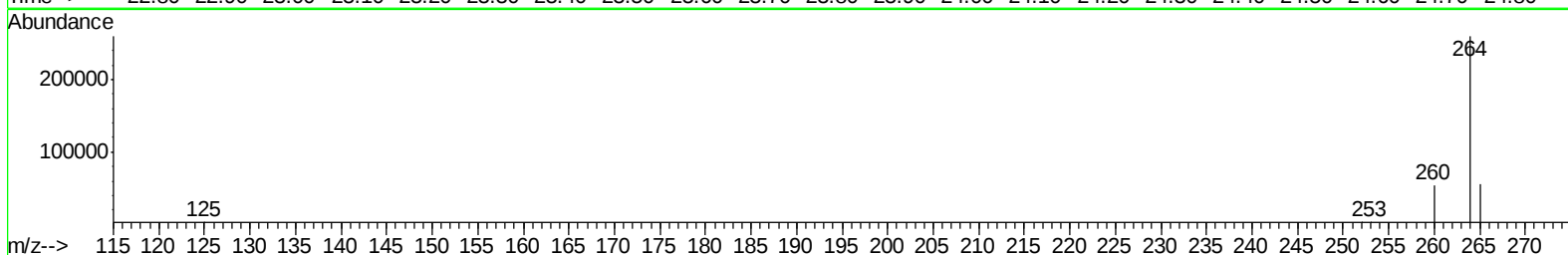
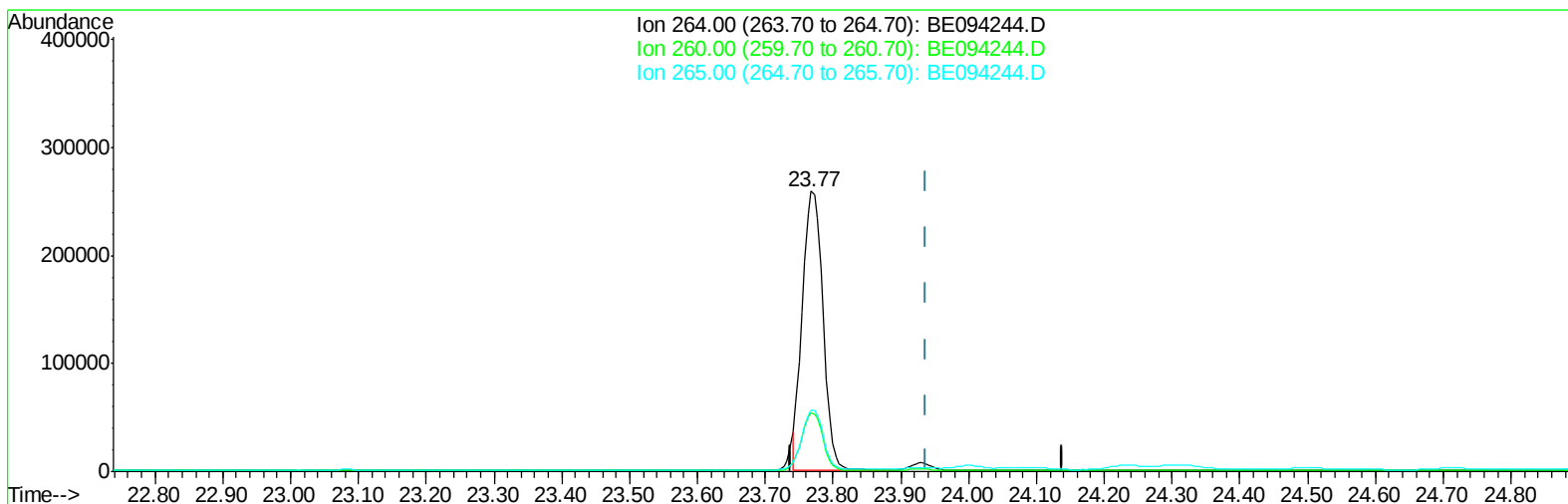
Data Path : Z:\HPCHEM1\BNA_E\Data\BE100917\
Data File : BE094244.D
Acq On : 10 Oct 2017 5:26
Operator : SJ/JU
Sample : I5533-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-77(1-3)-092817

Manual Integrations
APPROVED

Sohil
10/11/2017 9:24:20 AM

Quant Time: Oct 10 17:55:26 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 10 09:18:40 2017
Response via : Initial Calibration



TIC: BE094244.D

(20) Perylene-d12 (I)

23.768min (-0.170) 0.40ng/ul

response 544579

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.91#
265.00	103.50	21.74#
0.00	0.00	0.00

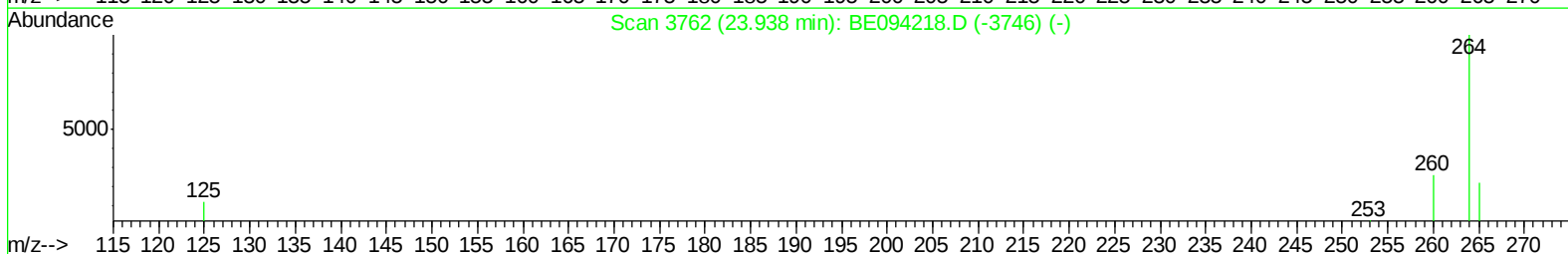
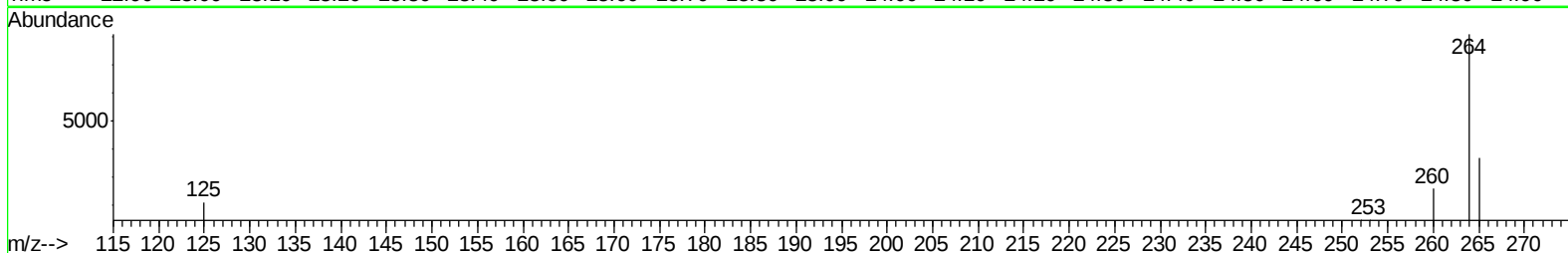
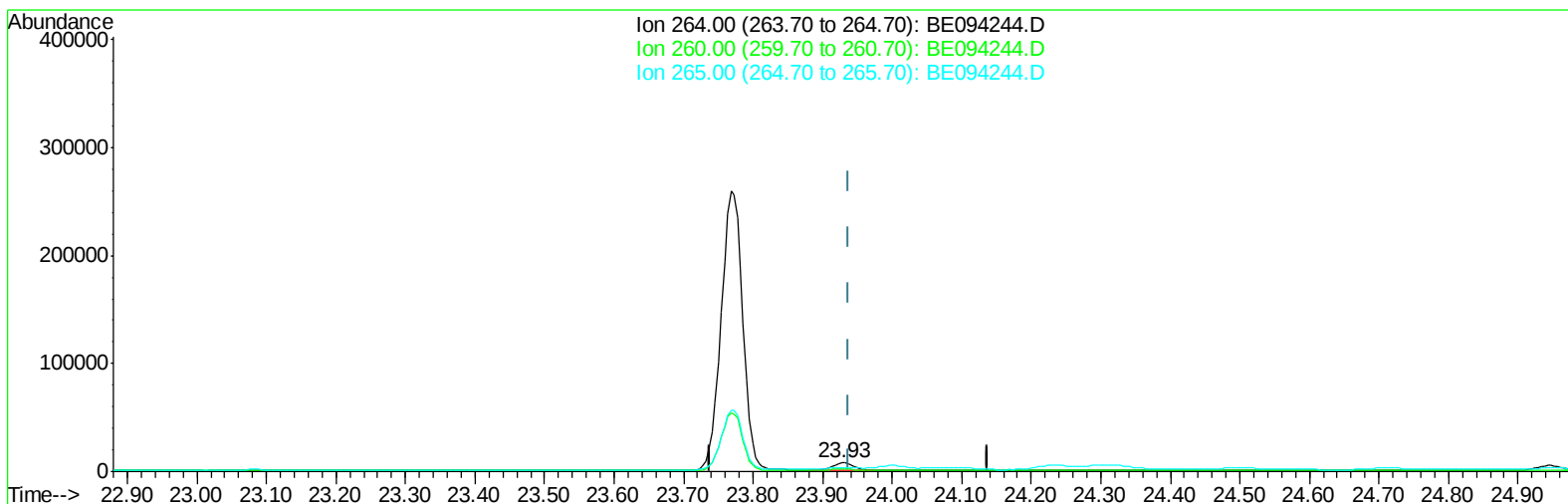
Data Path : Z:\HPCHEM1\BNA_E\Data\BE100917\
Data File : BE094244.D
Acq On : 10 Oct 2017 5:26
Operator : SJ/JU
Sample : I5533-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-77(1-3)-092817

Manual Integrations
APPROVED

Sohil
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Quant Time: Oct 10 17:55:26 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 10 09:18:40 2017
Response via : Initial Calibration



TIC: BE094244.D

(20) Perylene-d12 (I)

23.927min (-0.011) 0.40ng/ul m

response 14633

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	31.88
265.00	103.50	45.78#
0.00	0.00	0.00

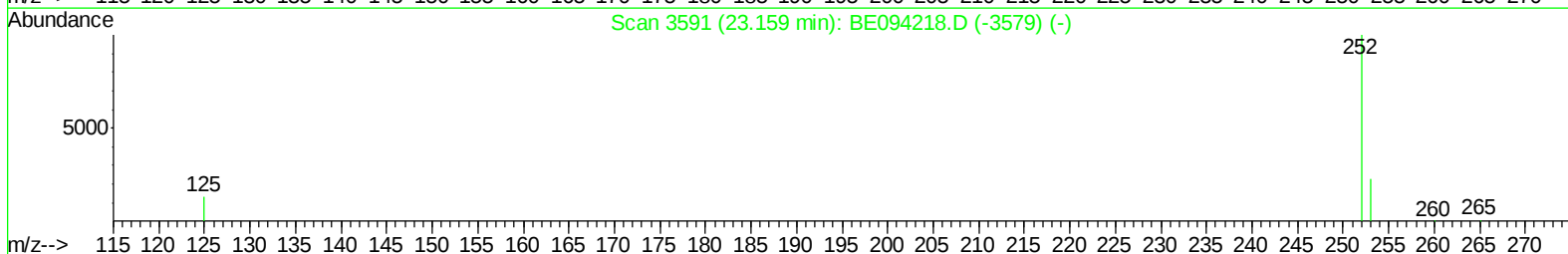
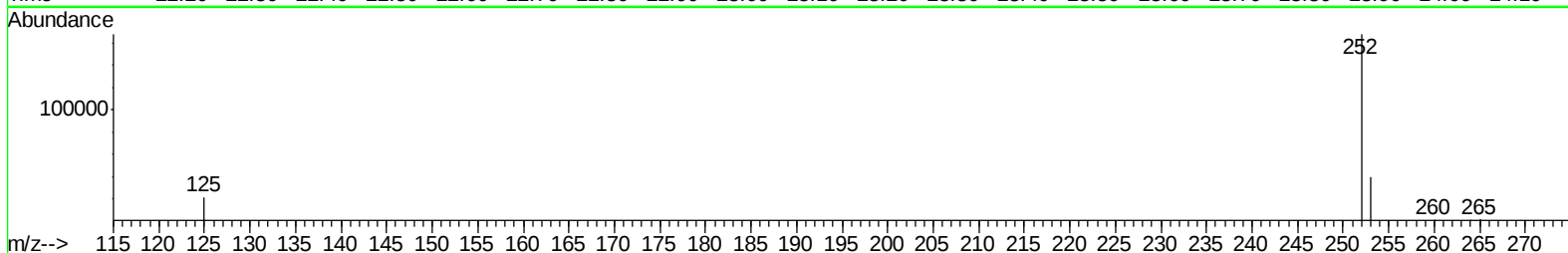
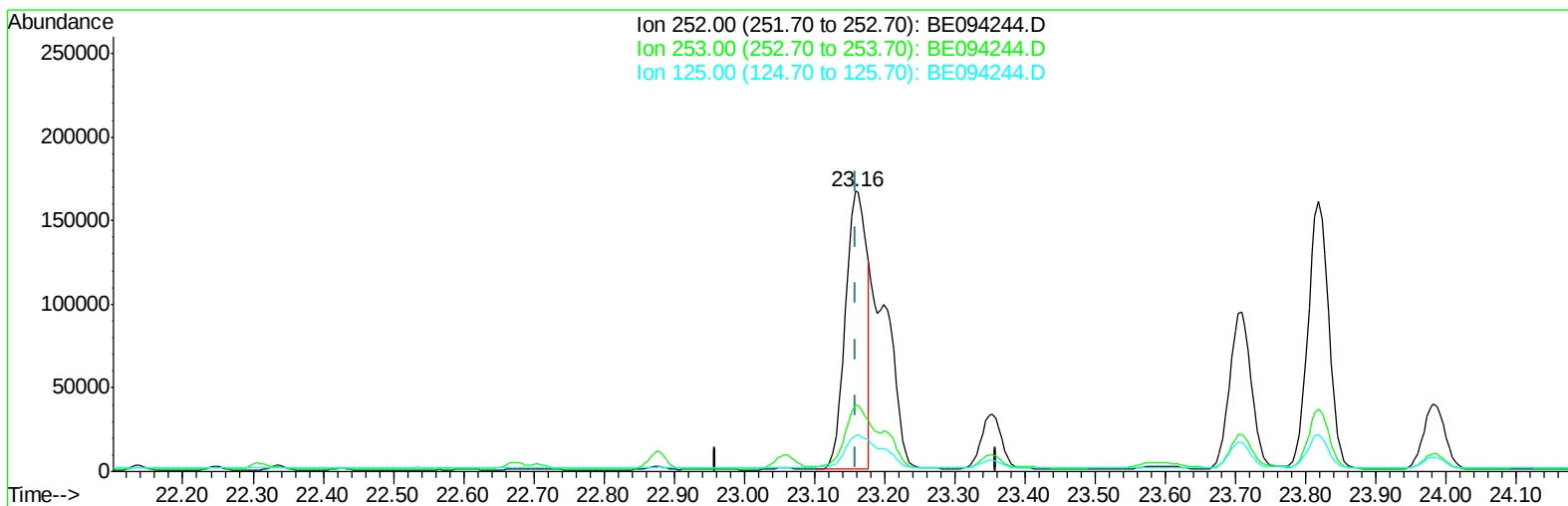
Data Path : Z:\HPCHEM1\BNA_E\Data\BE100917\
Data File : BE094244.D
Acq On : 10 Oct 2017 5:26
Operator : SJ/JU
Sample : I5533-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-77(1-3)-092817

Manual Integrations
APPROVED

Sohil
10/11/2017 9:24:20 AM

Quant Time: Oct 10 17:55:26 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 10 09:18:40 2017
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TIC: BE094244.D

(21) Benzo(b)fluoranthene
23.158min (-0.002) 8.68ng/ul
response 345202

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.68
125.00	17.50	12.90
0.00	0.00	0.00

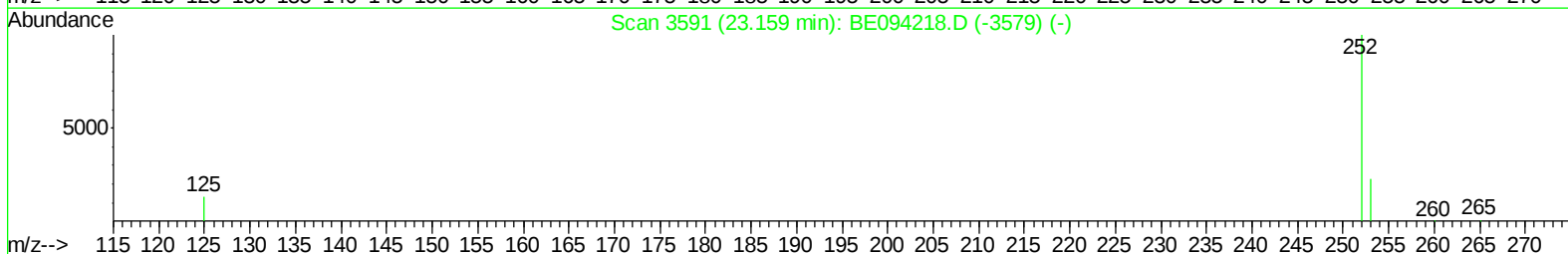
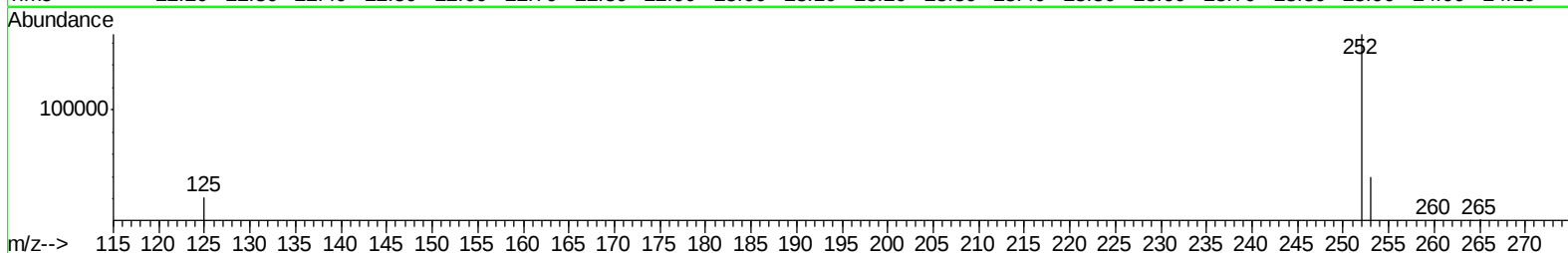
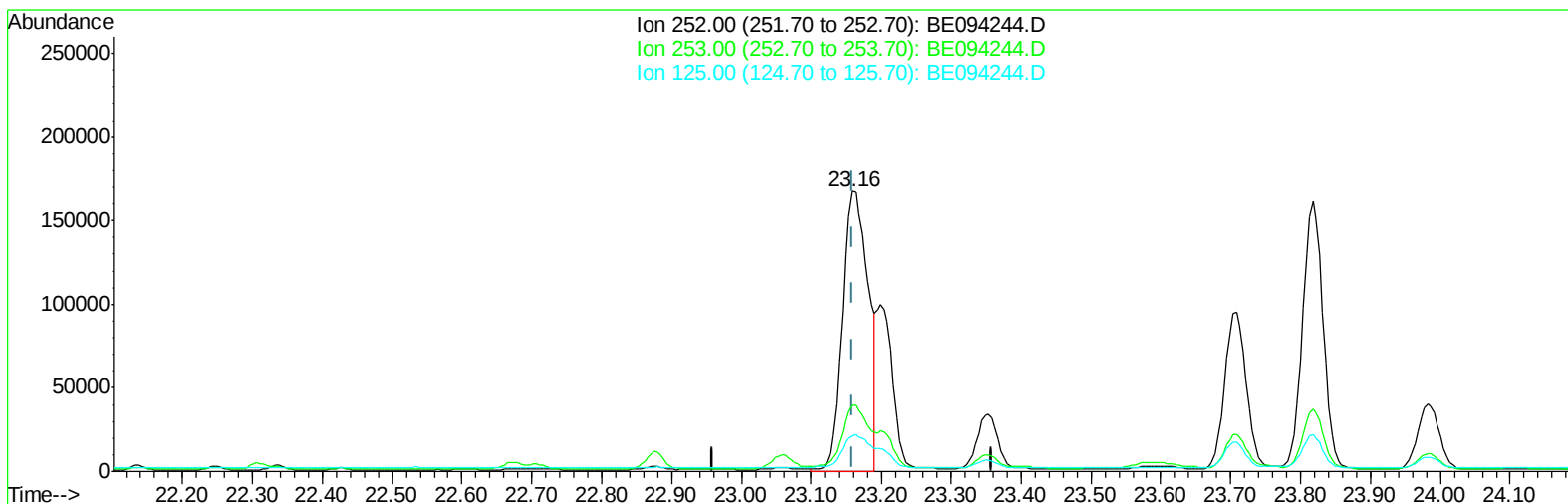
Data Path : Z:\HPCHEM1\BNA_E\Data\BE100917\
Data File : BE094244.D
Acq On : 10 Oct 2017 5:26
Operator : SJ/JU
Sample : I5533-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-77(1-3)-092817

Manual Integrations
APPROVED

Sohil
10/11/2017 9:24:20 AM

Quant Time: Oct 10 17:55:26 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: BE094244.D

(21) Benzo(b)fluoranthene

23.158min (-0.002) 10.96ng/ul m

response 435613

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.68
125.00	17.50	12.90
0.00	0.00	0.00

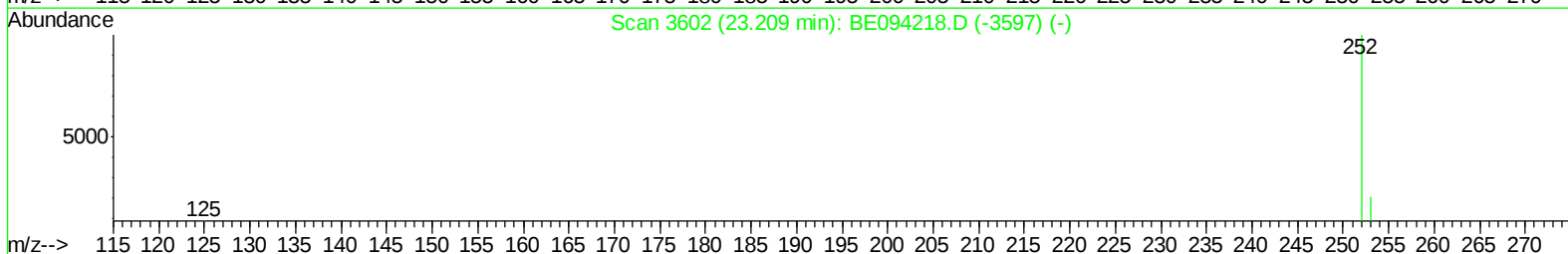
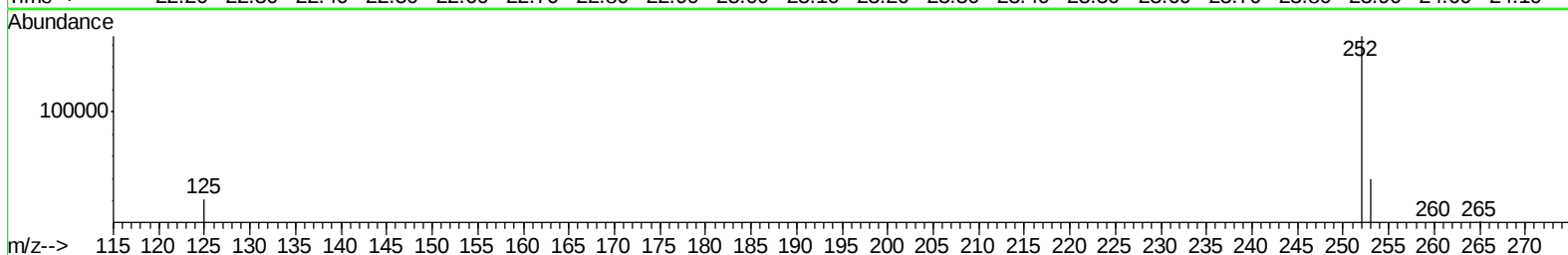
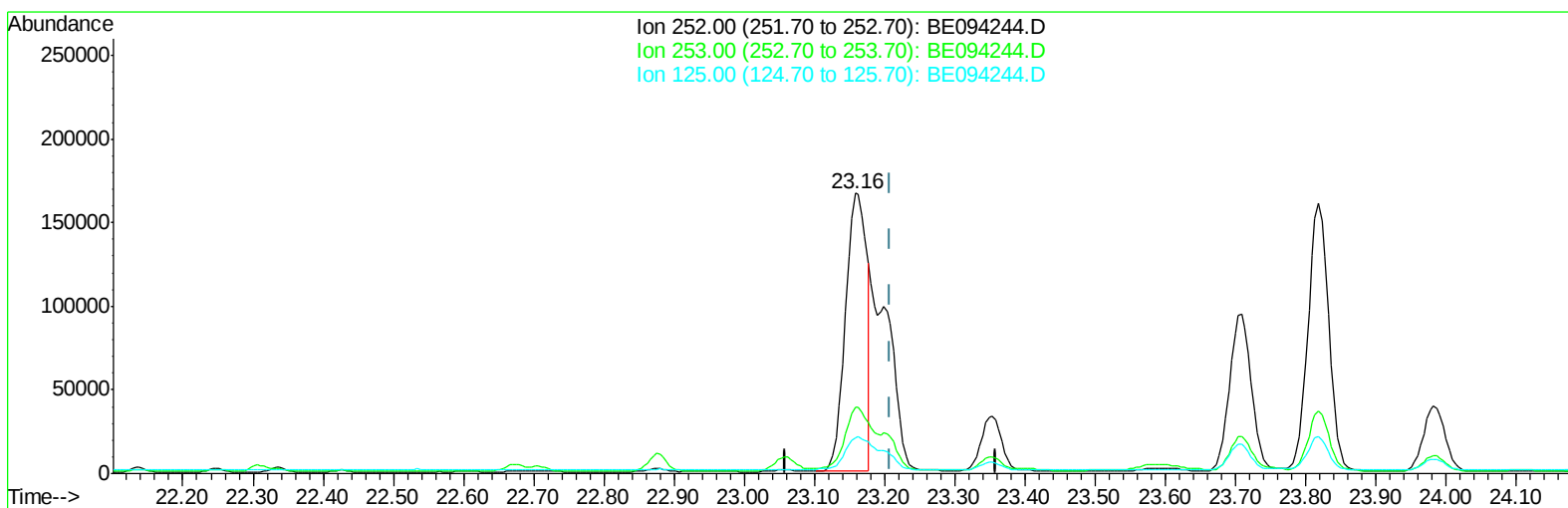
Data Path : Z:\HPCHEM1\BNA_E\Data\BE100917\
Data File : BE094244.D
Acq On : 10 Oct 2017 5:26
Operator : SJ/JU
Sample : I5533-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-77(1-3)-092817

Manual Integrations
APPROVED

Sohil
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Quant Time: Oct 10 17:55:26 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 10 09:18:40 2017
Response via : Initial Calibration



TIC: BE094244.D

(22) Benzo(k)fluoranthene
23.158min (-0.052) 7.51ng/ul
response 345202

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.68#
125.00	17.10	12.90#
0.00	0.00	0.00

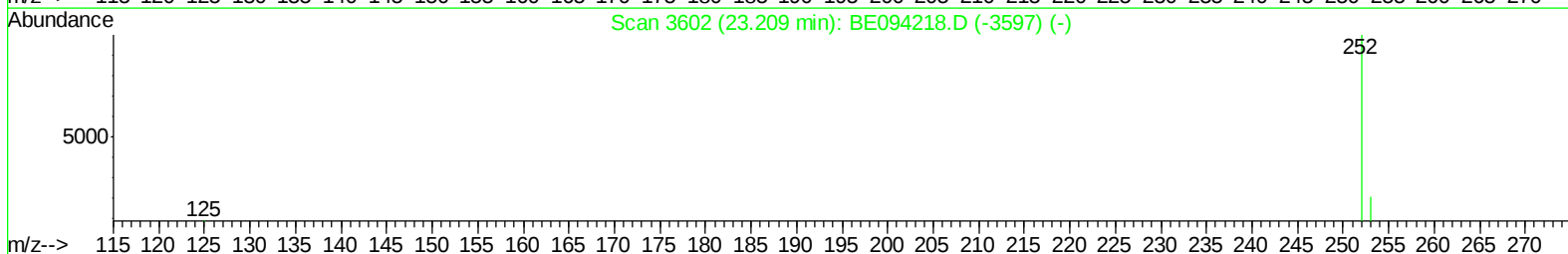
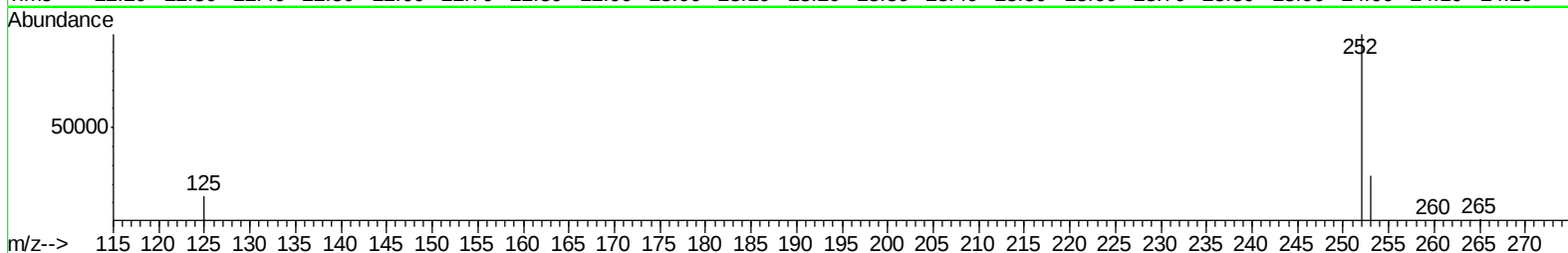
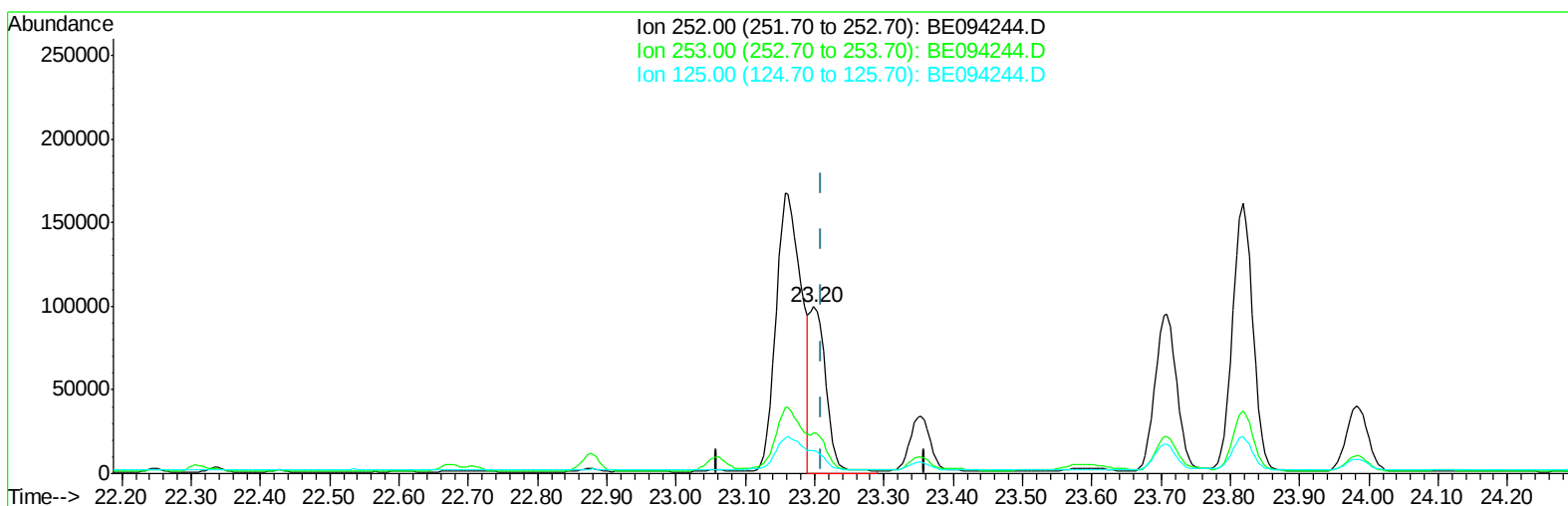
Data Path : Z:\HPCHEM1\BNA_E\Data\BE100917\
Data File : BE094244.D
Acq On : 10 Oct 2017 5:26
Operator : SJ/JU
Sample : I5533-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-77(1-3)-092817

Manual Integrations
APPROVED

Sohil
10/11/2017 9:24:20 AM

Quant Time: Oct 10 17:55:26 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
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Response via : Initial Calibration



TIC: BE094244.D

(22) Benzo(k)fluoranthene

23.199min (-0.011) 3.58ng/ul m

response 164303

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	24.21#
125.00	17.10	13.75
0.00	0.00	0.00

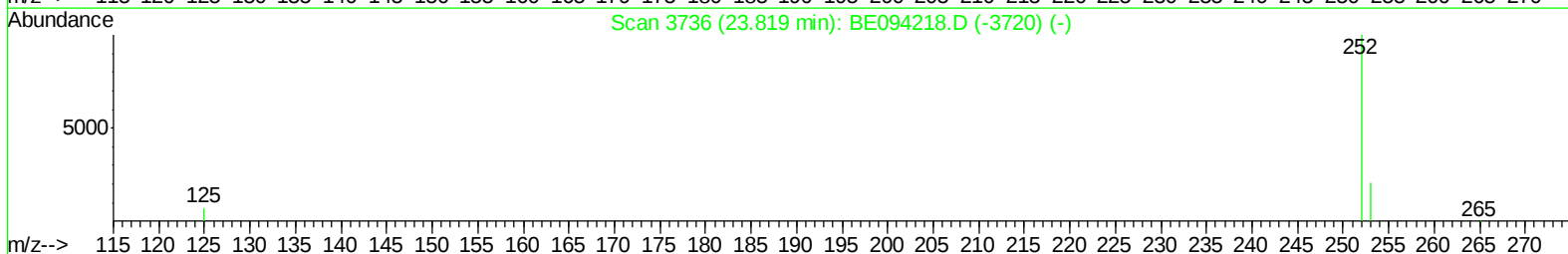
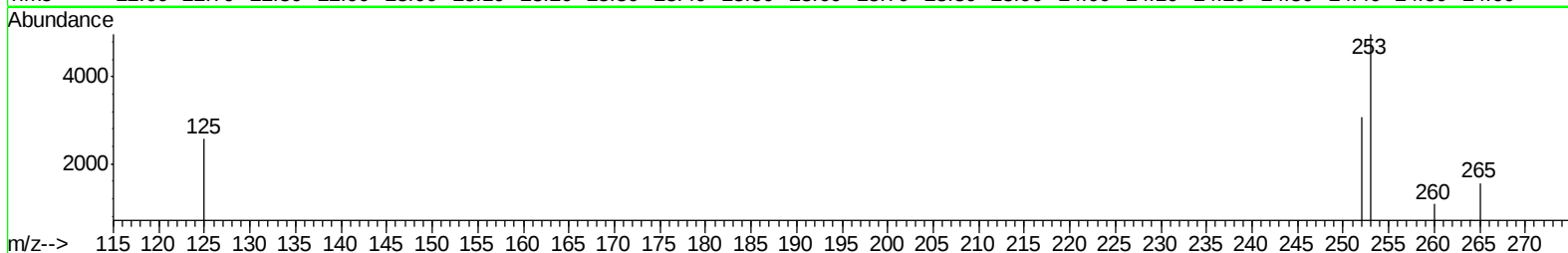
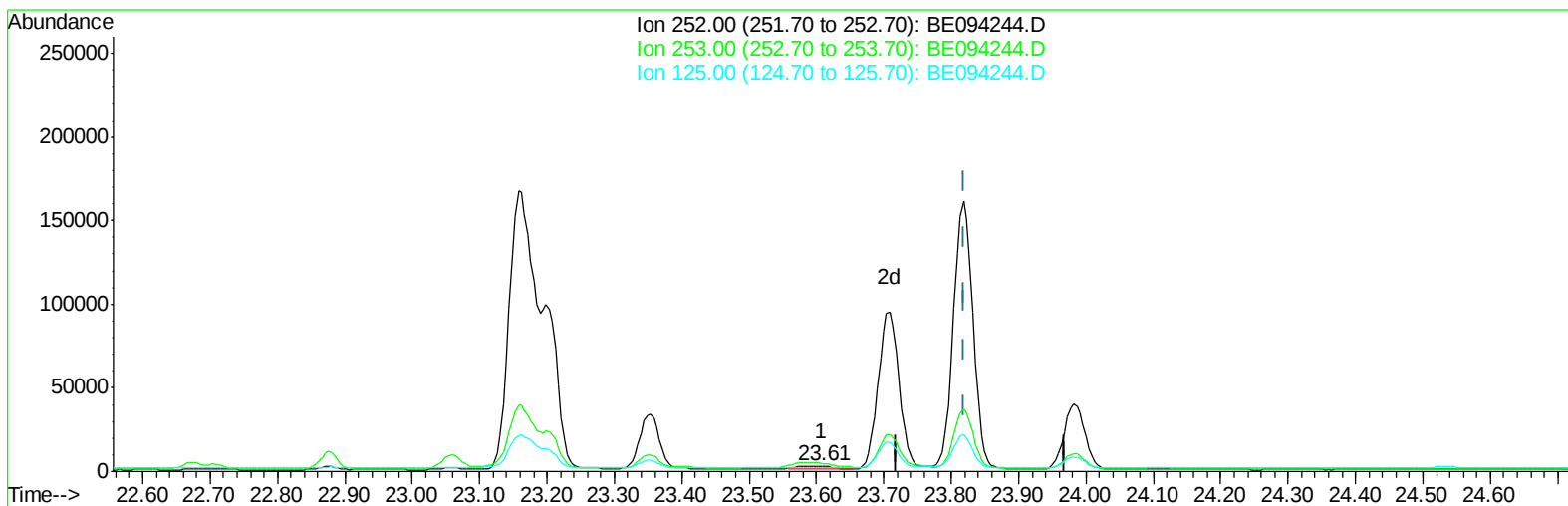
Data Path : Z:\HPCHEM1\BNA_E\Data\BE100917\
Data File : BE094244.D
Acq On : 10 Oct 2017 5:26
Operator : SJ/JU
Sample : I5533-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-77(1-3)-092817

Manual Integrations
APPROVED

Sohil
10/11/2017 9:24:20 AM

Quant Time: Oct 10 17:57:11 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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TIC: BE094244.D

(23) Benzo(a)pyrene (C)

23.608min (-0.211) 0.15ng/ul

response 6363

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	162.50#
125.00	22.60	83.88#
0.00	0.00	0.00

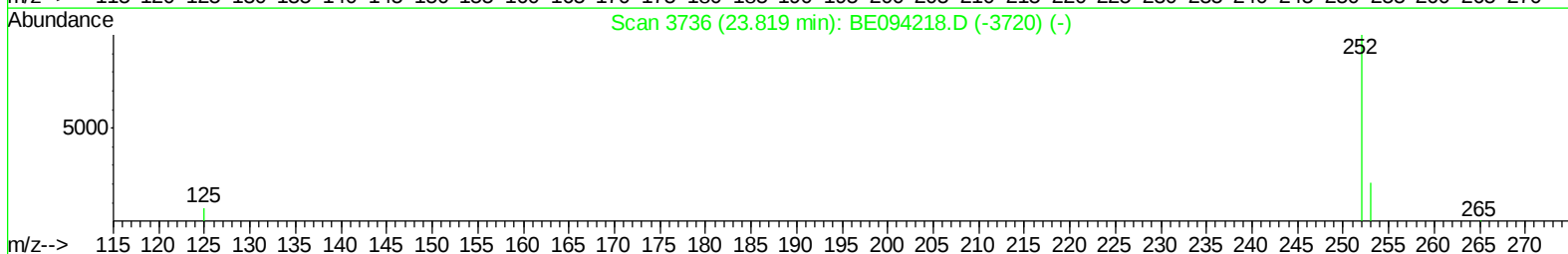
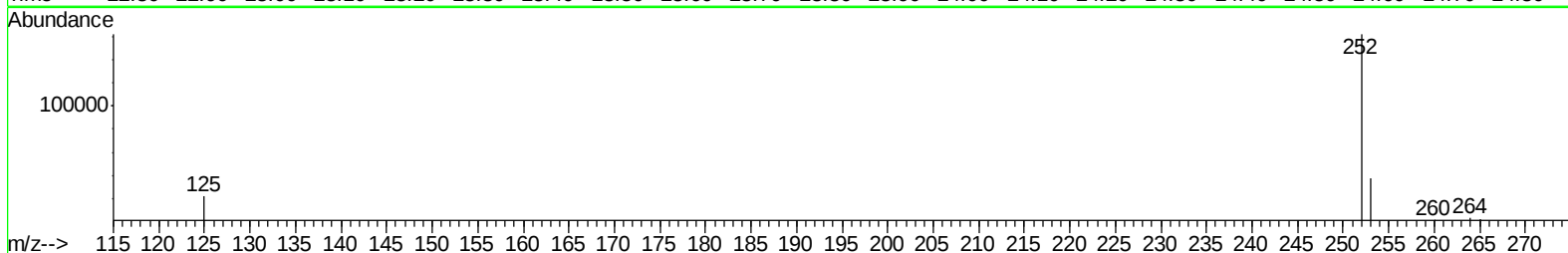
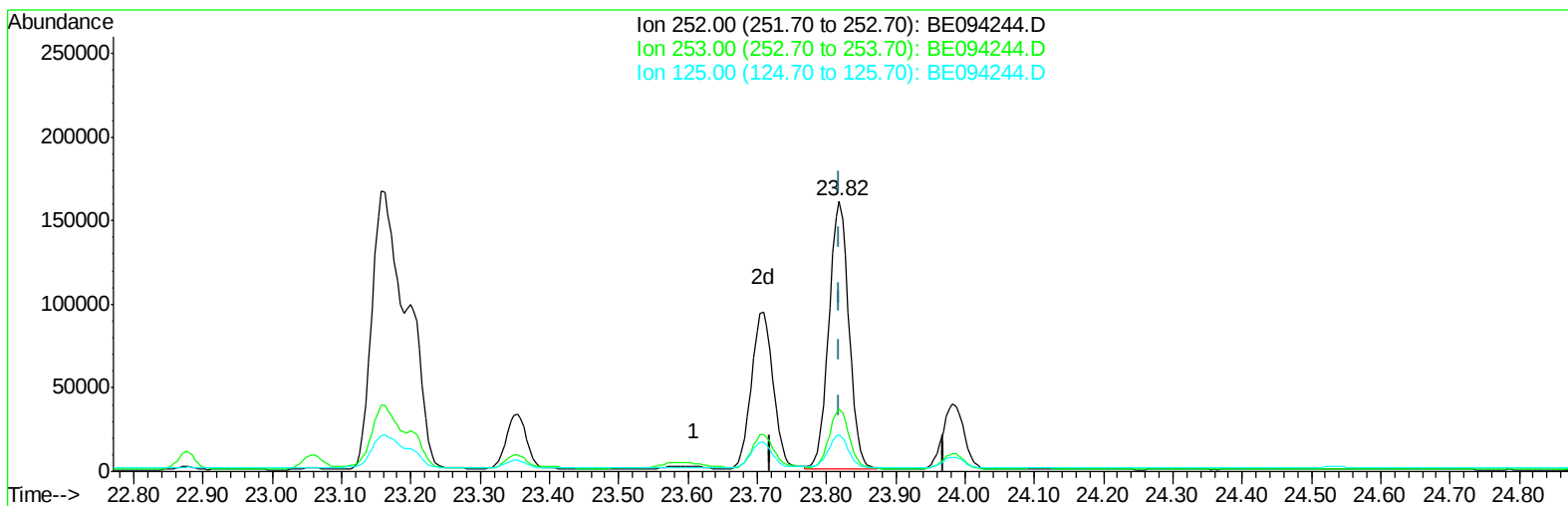
Data Path : Z:\HPCHEM1\BNA_E\Data\BE100917\
Data File : BE094244.D
Acq On : 10 Oct 2017 5:26
Operator : SJ/JU
Sample : I5533-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-77(1-3)-092817

Manual Integrations
APPROVED

Sohil
10/11/2017 9:24:20 AM

Quant Time: Oct 10 17:57:11 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
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Response via : Initial Calibration



TIC: BE094244.D

(23) Benzo(a)pyrene (C)

23.818min (-0.002) 7.91ng/ul m

response 326572

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	23.14#
125.00	22.60	13.46#
0.00	0.00	0.00

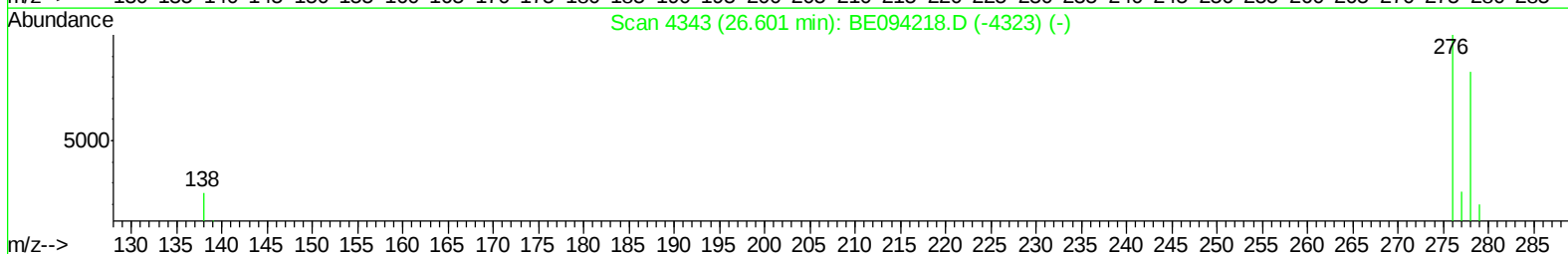
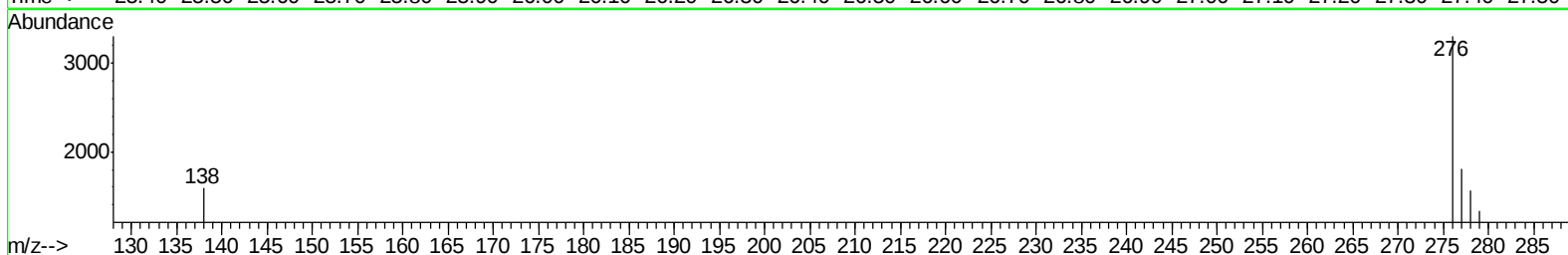
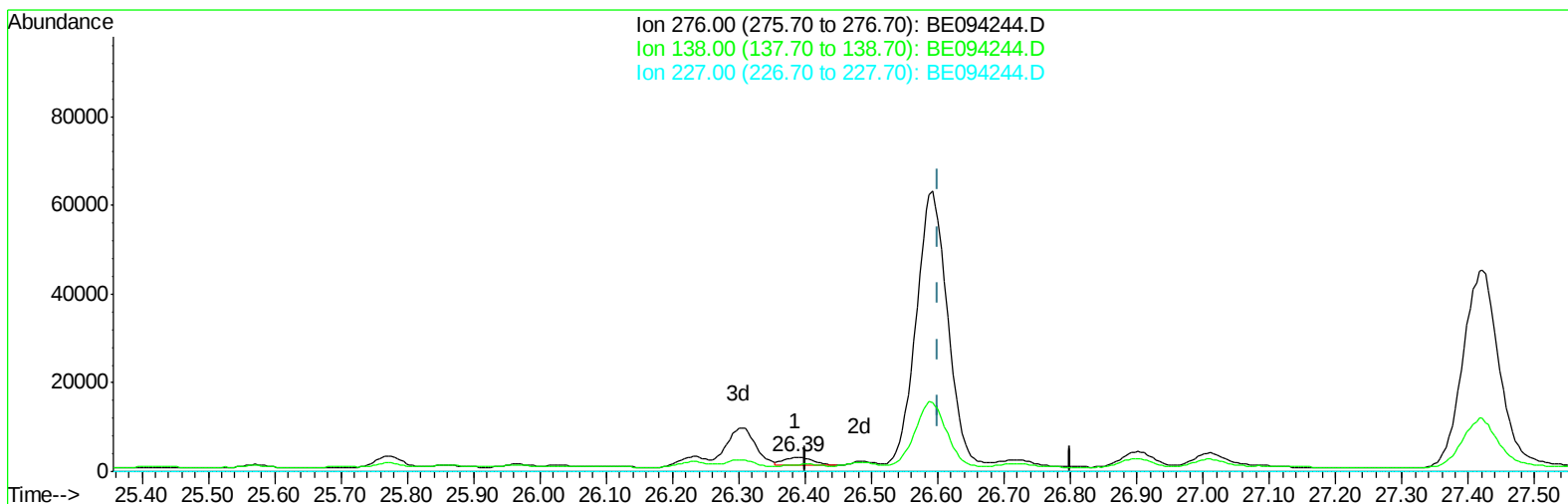
Data Path : Z:\HPCHEM1\BNA_E\Data\BE100917\
Data File : BE094244.D
Acq On : 10 Oct 2017 5:26
Operator : SJ/JU
Sample : I5533-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-77(1-3)-092817

Manual Integrations
APPROVED

Sohil
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Quant Time: Oct 10 17:57:11 2017
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TIC: BE094244.D

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

26.387min (-0.214) 0.14ng/ul

response 5741

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	24.44#
227.00	10.00	0.00#
0.00	0.00	0.00

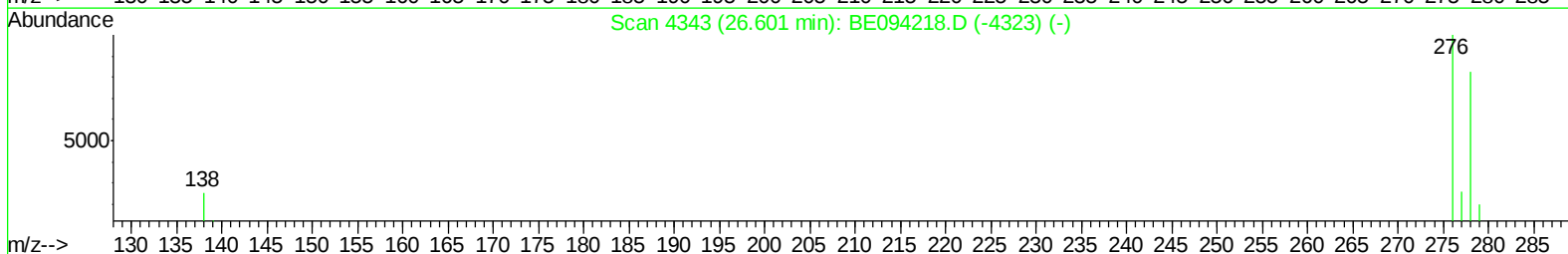
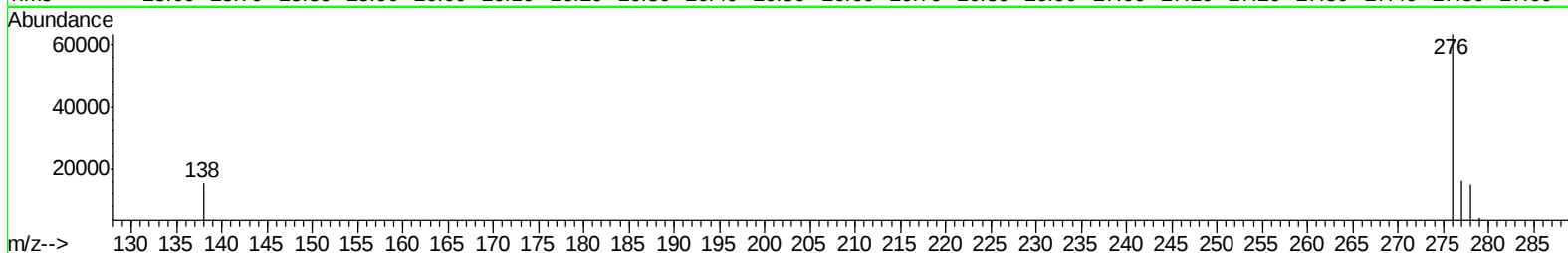
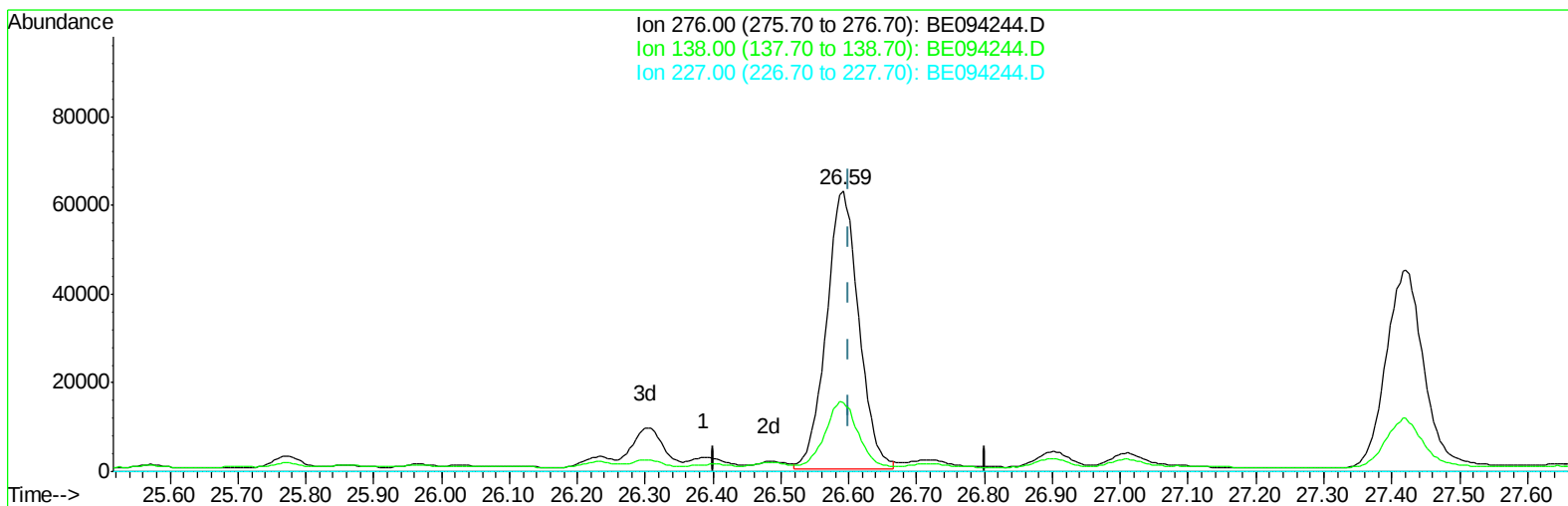
Data Path : Z:\HPCHEM1\BNA_E\Data\BE100917\
Data File : BE094244.D
Acq On : 10 Oct 2017 5:26
Operator : SJ/JU
Sample : I5533-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-77(1-3)-092817

Manual Integrations
APPROVED

Sohil
10/11/2017 9:24:20 AM

Quant Time: Oct 10 17:57:11 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
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TIC: BE094244.D

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

26.592min (-0.009) 4.92ng/ul m

response 207696

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	0.68#
227.00	10.00	0.00#
0.00	0.00	0.00

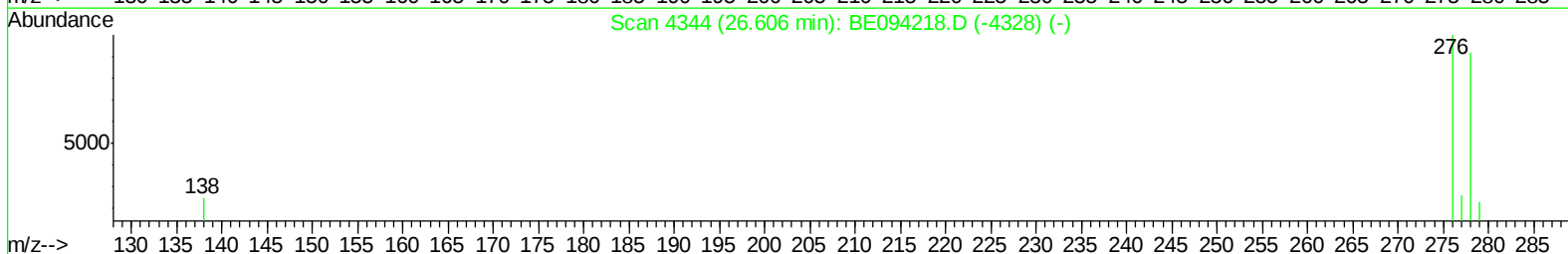
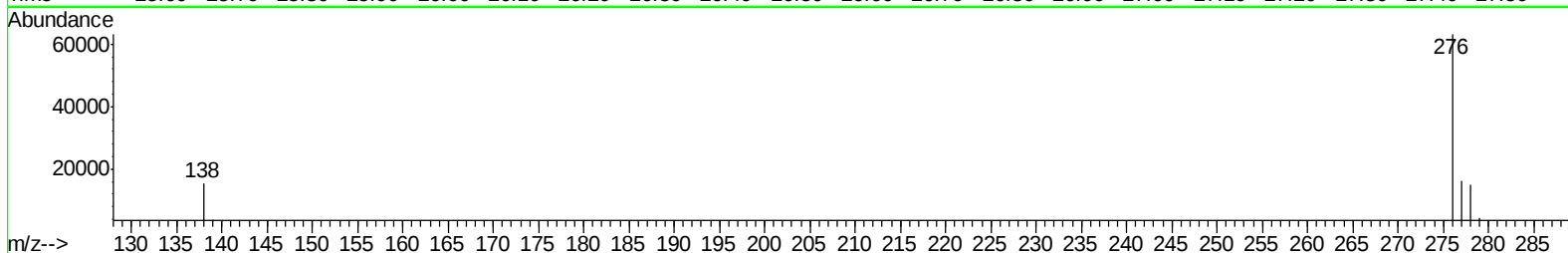
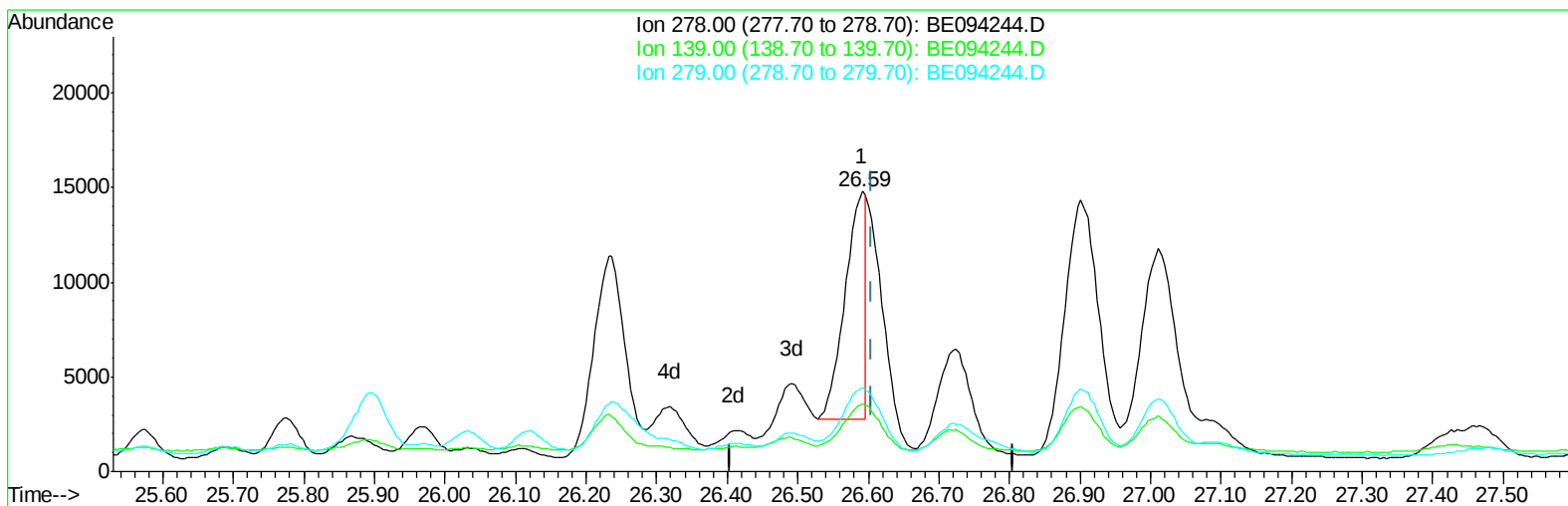
Data Path : Z:\HPCHEM1\BNA_E\Data\BE100917\
Data File : BE094244.D
Acq On : 10 Oct 2017 5:26
Operator : SJ/JU
Sample : I5533-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-77(1-3)-092817

Manual Integrations
APPROVED

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TIC: BE094244.D

(25) Dibenzo(a,h)anthracene

26.592min (-0.014) 0.71ng/ul

response 25037

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	23.90
279.00	32.40	30.11
0.00	0.00	0.00

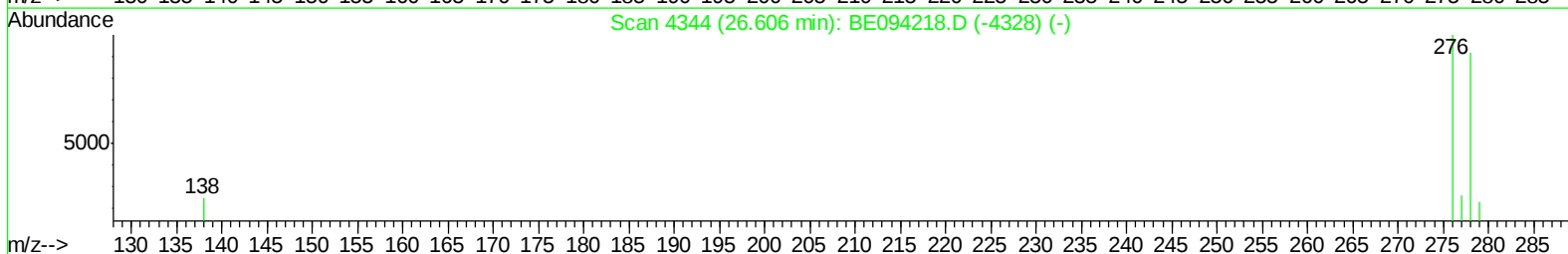
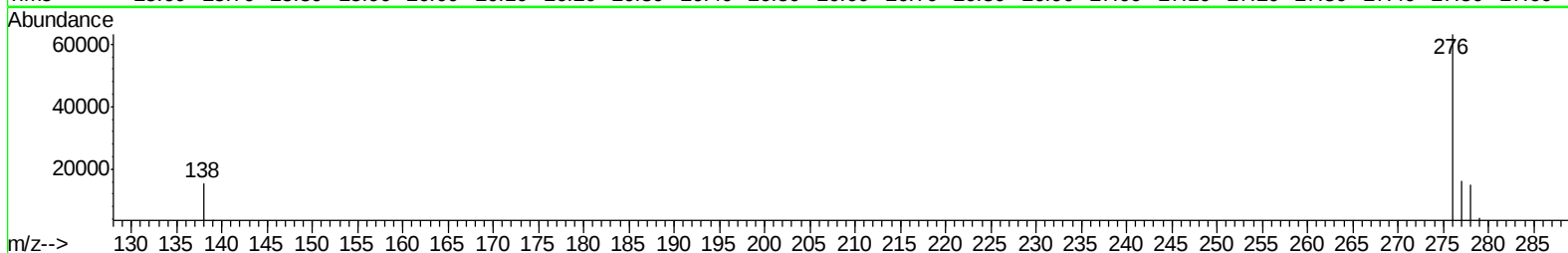
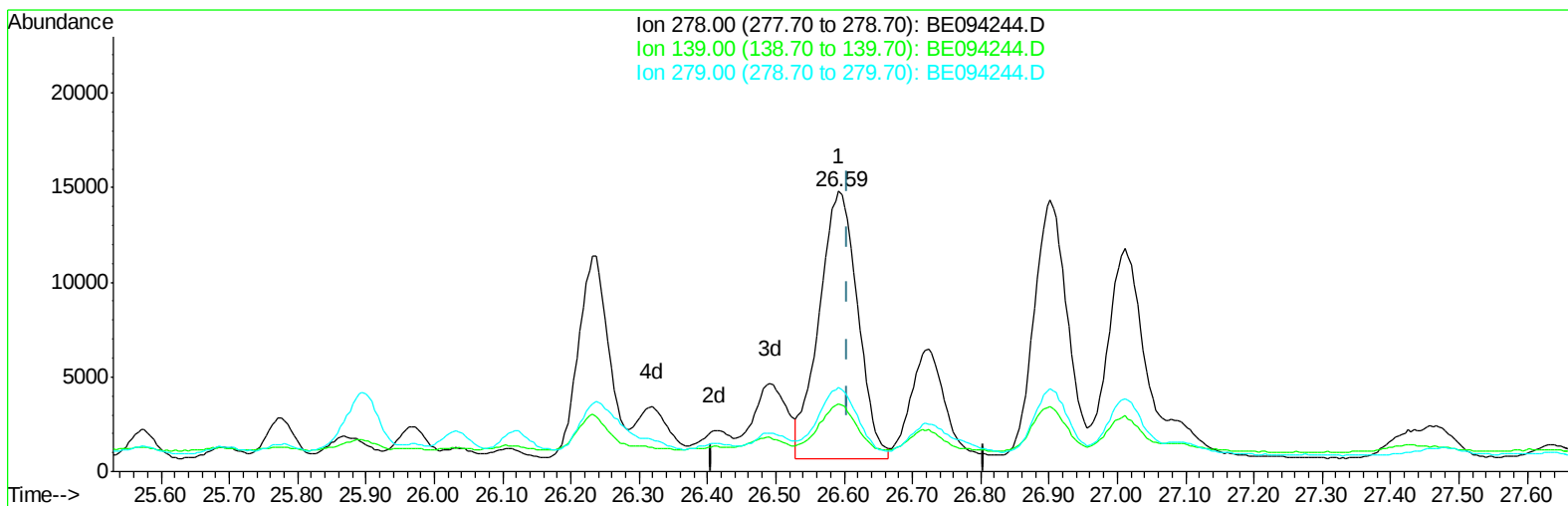
Data Path : Z:\HPCHEM1\BNA_E\Data\BE100917\
Data File : BE094244.D
Acq On : 10 Oct 2017 5:26
Operator : SJ/JU
Sample : I5533-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-77(1-3)-092817

Manual Integrations
APPROVED

Sohil
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Quant Time: Oct 10 17:57:11 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
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TIC: BE094244.D

(25) Dibenzo(a,h)anthracene

26.592min (-0.014) 1.57ng/ul m

response 55561

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	23.90
279.00	32.40	30.11
0.00	0.00	0.00

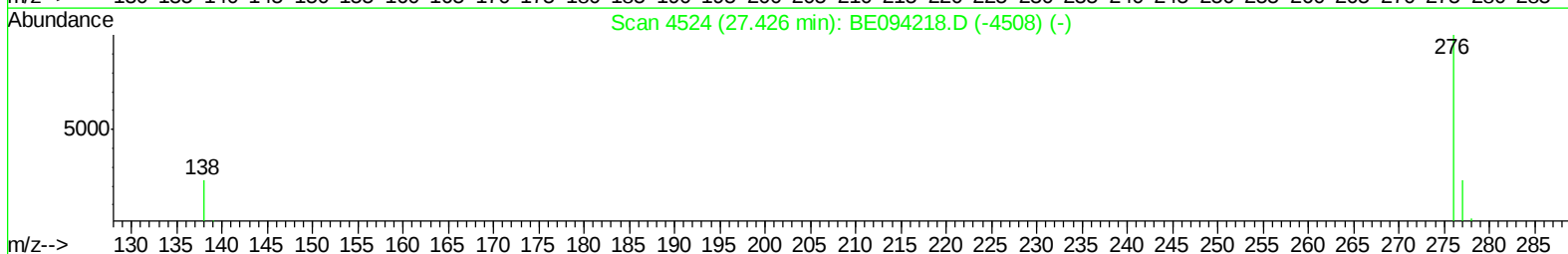
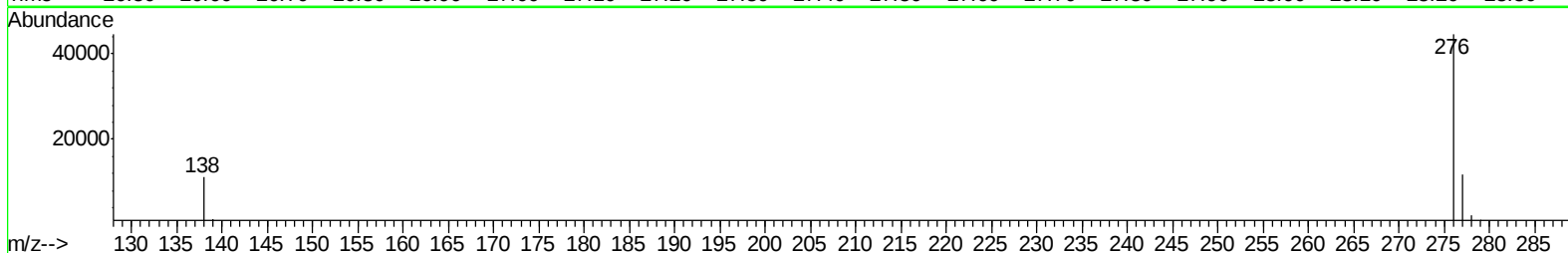
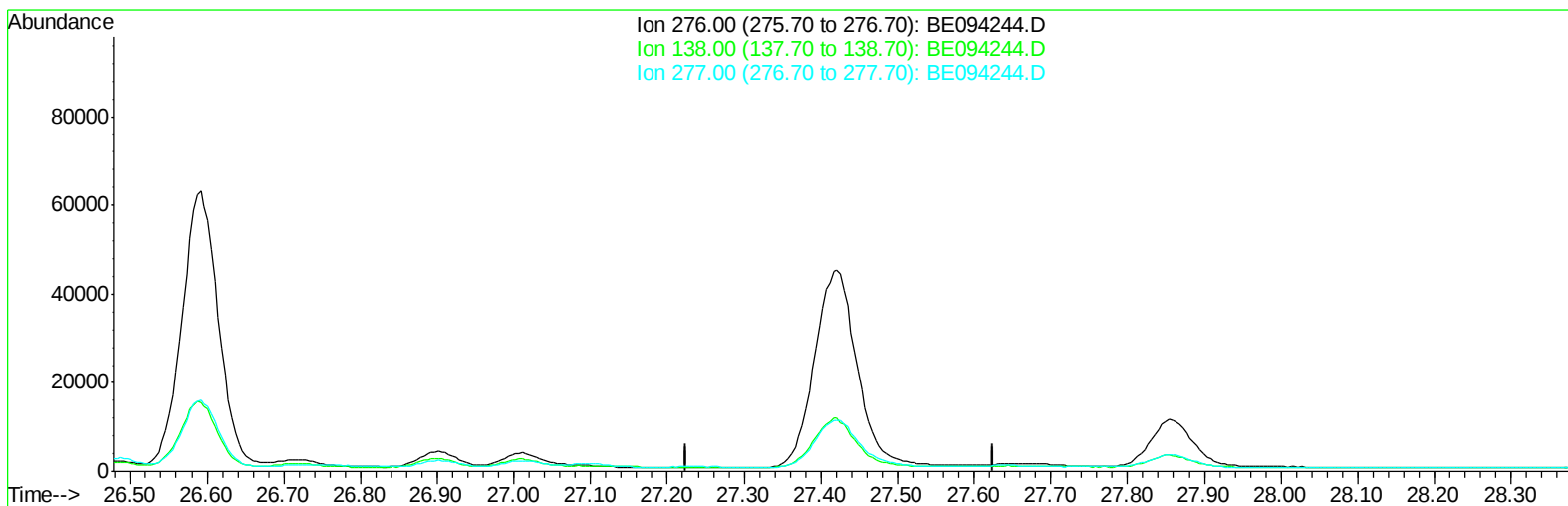
Data Path : Z:\HPCHEM1\BNA_E\Data\BE100917\
Data File : BE094244.D
Acq On : 10 Oct 2017 5:26
Operator : SJ/JU
Sample : I5533-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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Manual Integrations
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Quant Time: Oct 10 17:57:11 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



TIC: BE094244.D

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

27.426min (-27.426) 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

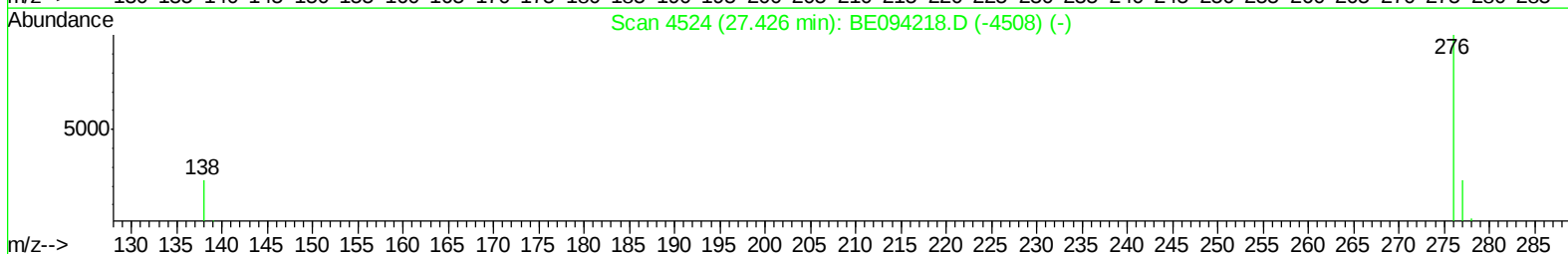
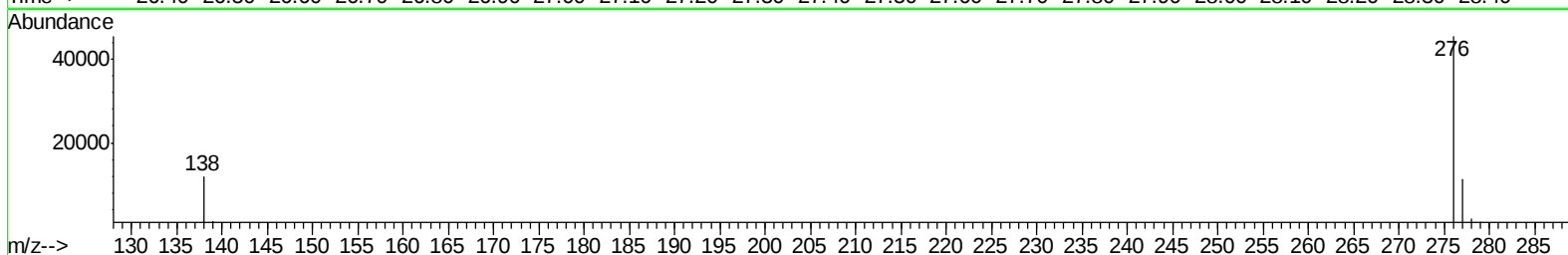
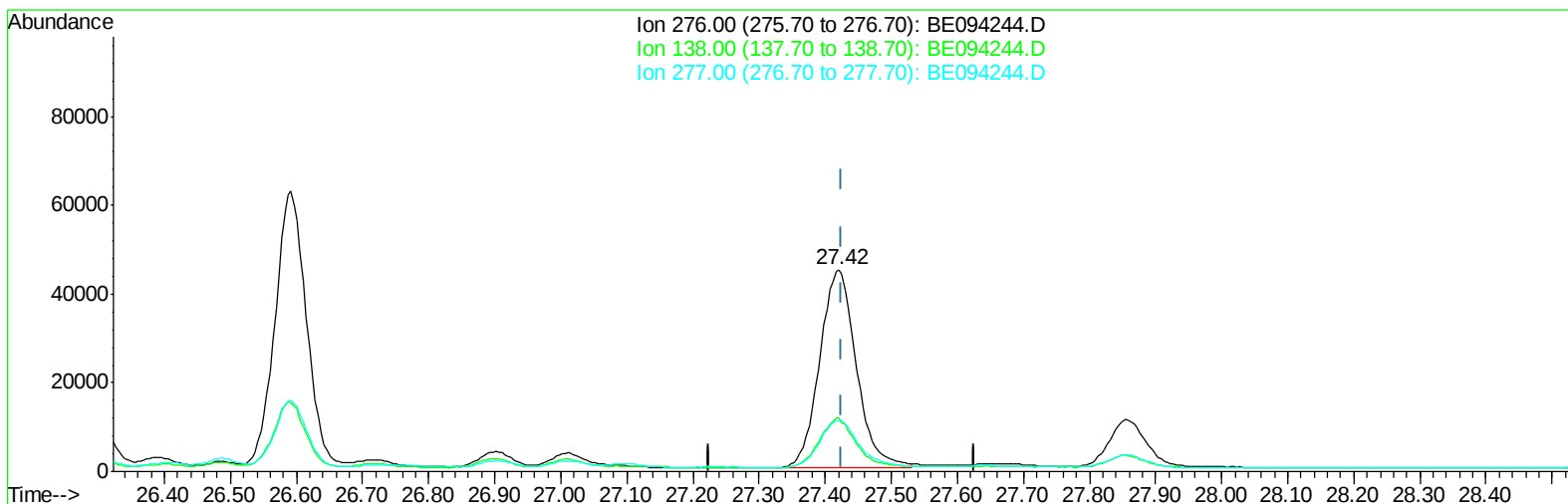
Data Path : Z:\HPCHEM1\BNA_E\Data\BE100917\
Data File : BE094244.D
Acq On : 10 Oct 2017 5:26
Operator : SJ/JU
Sample : I5533-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
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Manual Integrations
APPROVED

Sohil
10/11/2017 9:24:20 AM

Quant Time: Oct 10 17:57:11 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 10 09:18:40 2017
Response via : Initial Calibration



TIC: BE094244.D

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

27.421min (-0.005) 4.76ng/ul m

response 173580

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	26.53
277.00	25.60	25.18
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\Data\BE100917\
 Data File : BE094244.D
 Acq On : 10 Oct 2017 5:26
 Operator : SJ/JU
 Sample : I5533-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-77(1-3)-092817

Manual Integrations
 APPROVED

Sohil
 10/11/2017 9:24:20 AM

Quant Time: Oct 10 17:59:04 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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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	2454	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	12473	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	7469	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	15714	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	14876	0.40	ng/ul	0.00
20) Perylene-d12	23.93	264	14633m	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	3091	0.16	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	8011	0.15	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.74	128	17289	0.566	ng/ul#	92
5) 2-Methylnaphthalene	12.35	142	5999	0.303	ng/ul	98
7) Acenaphthylene	14.24	152	12760	0.438	ng/ul	97
8) Acenaphthene	14.58	153	19400	0.809	ng/ul	97
9) Fluorene	15.57	166	21894	0.780	ng/ul	94
12) Phenanthrene	17.29	178	455258	11.087	ng/ul#	92
13) Anthracene	17.38	178	112725	2.823	ng/ul#	92
15) Fluoranthene	19.30	202	806550	14.948	ng/ul	84
17) Pyrene	19.67	202	732827	17.705	ng/ul#	82
18) Benzo(a)anthracene	21.39	228	393306	9.966	ng/ul#	85
19) Chrysene	21.45	228	347602	7.627	ng/ul	98
21) Benzo(b)fluoranthene	23.16	252	435613m	10.959	ng/ul	
22) Benzo(k)fluoranthene	23.20	252	164303m	3.576	ng/ul	
23) Benzo(a)pyrene	23.82	252	326572m	7.906	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.59	276	207696m	4.915	ng/ul	
25) Dibenzo(a,h)anthracene	26.59	278	55561m	1.568	ng/ul	
26) Benzo(g,h,i)perylene	27.42	276	173580m	4.763	ng/ul	

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

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