

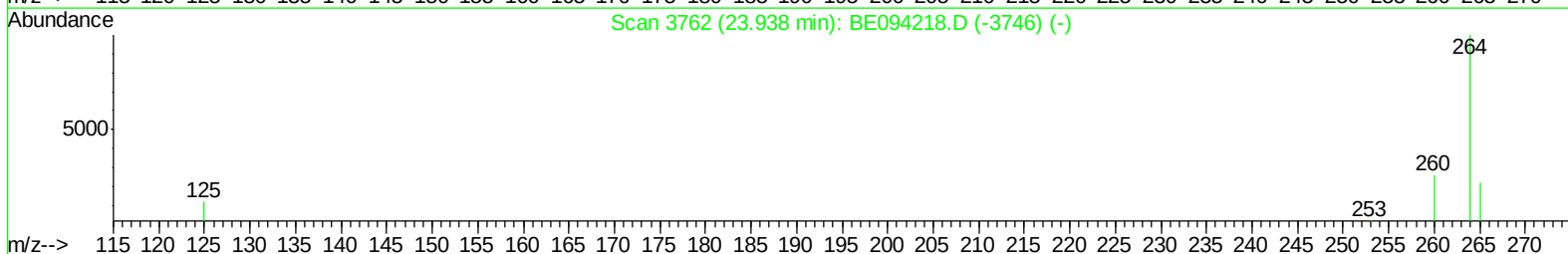
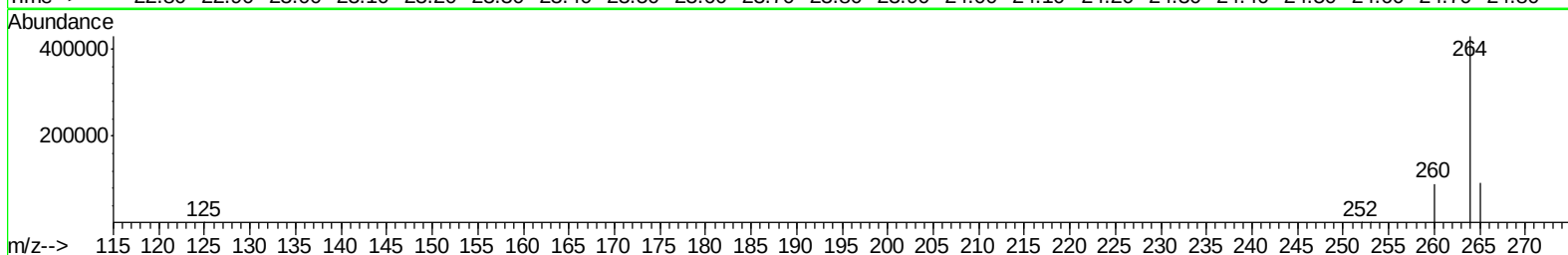
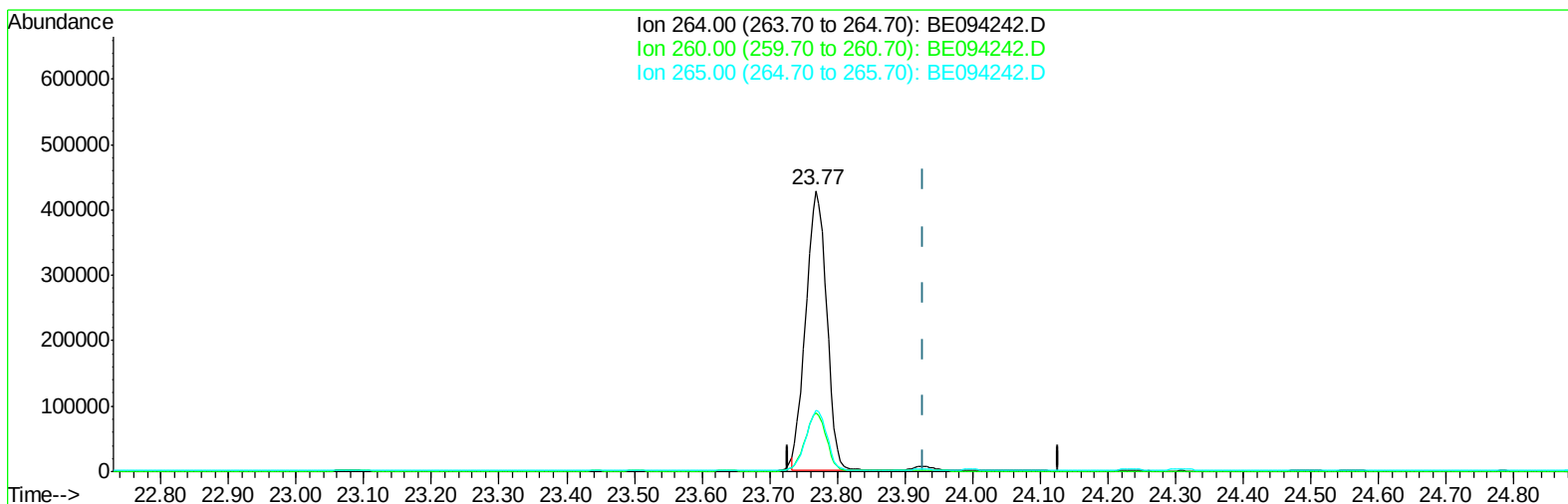
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094242.D
Acq On : 10 Oct 2017 4:15
Operator : SJ/JU
Sample : I5522-17
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC3

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:36 PM

Quant Time: Oct 10 08:52:59 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: BE094242.D

(20) Perylene-d12 (I)

23.768min (-0.159) 0.40ng/ul

response 915347

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.05#
265.00	103.50	21.97#
0.00	0.00	0.00

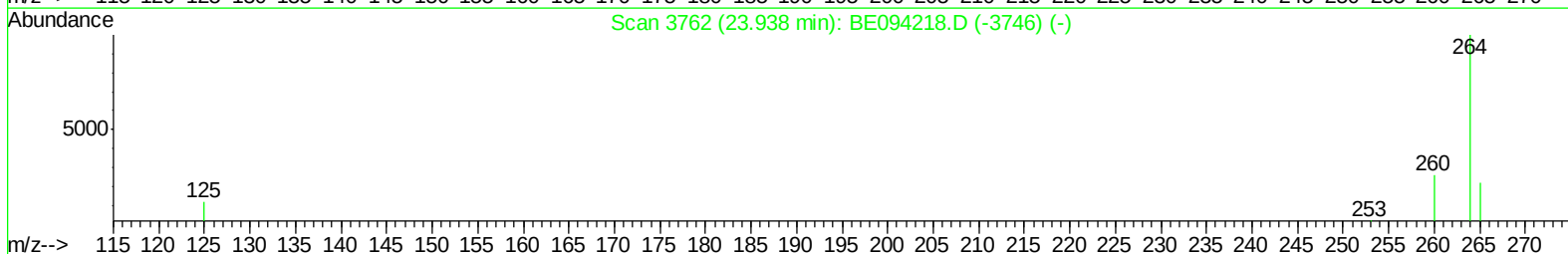
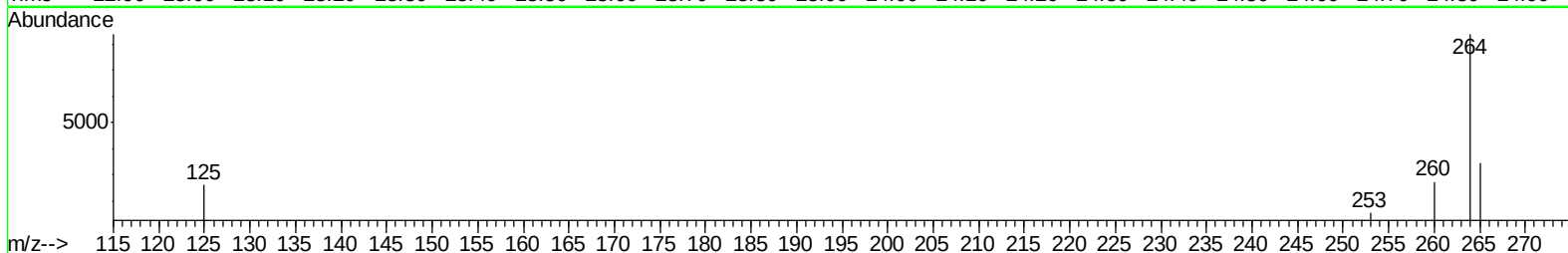
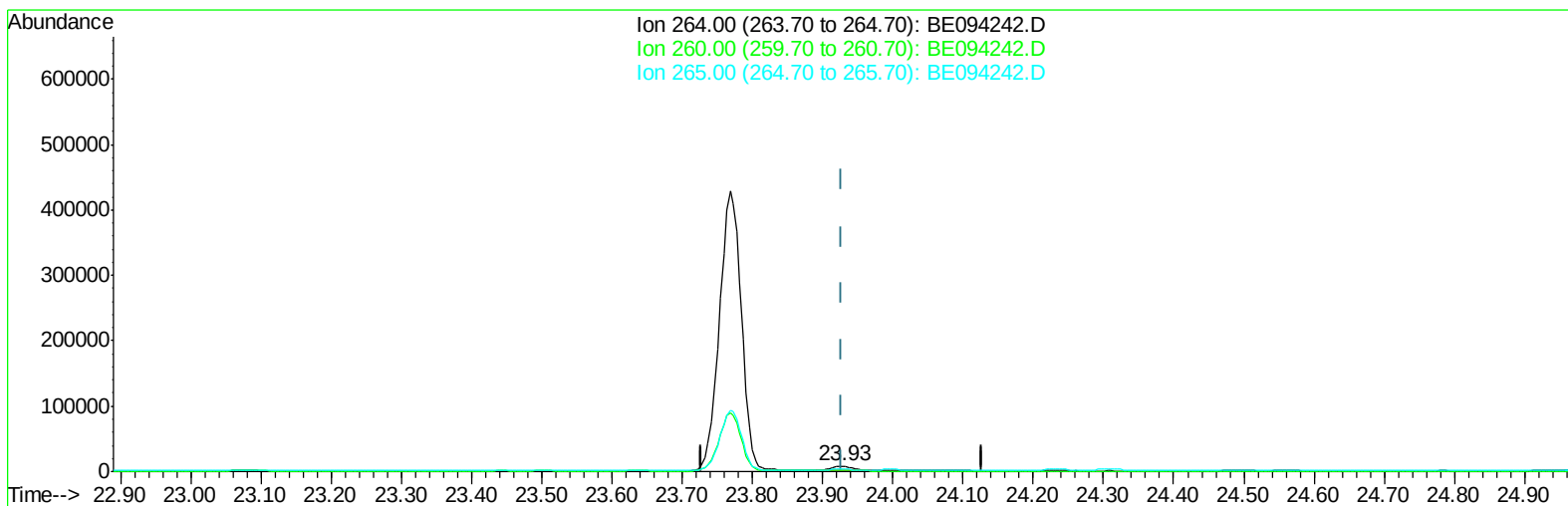
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094242.D
Acq On : 10 Oct 2017 4:15
Operator : SJ/JU
Sample : I5522-17
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
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Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:36 PM

Quant Time: Oct 10 08:52:59 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: BE094242.D

(20) Perylene-d12 (I)

23.928min (+0.000) 0.40ng/ul m

response 13916

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	32.70
265.00	103.50	41.40#
0.00	0.00	0.00

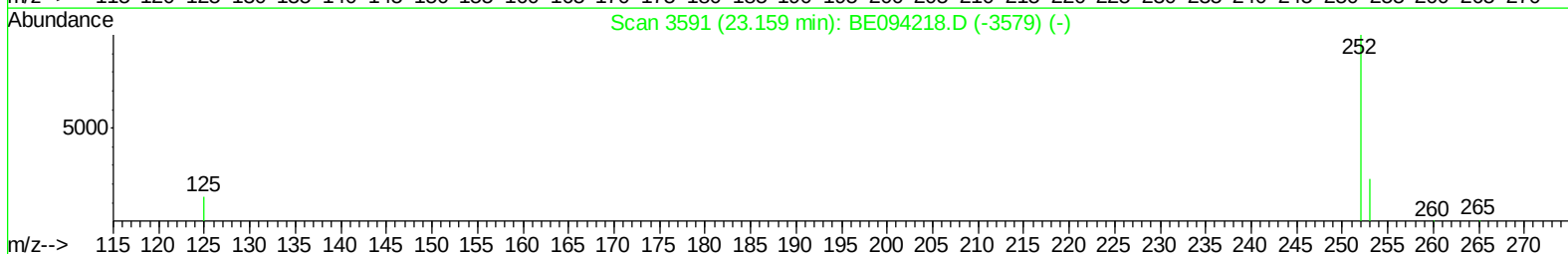
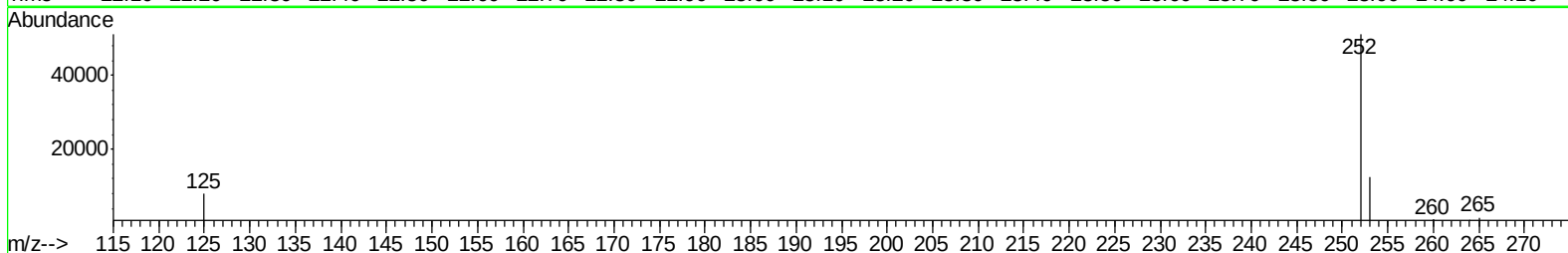
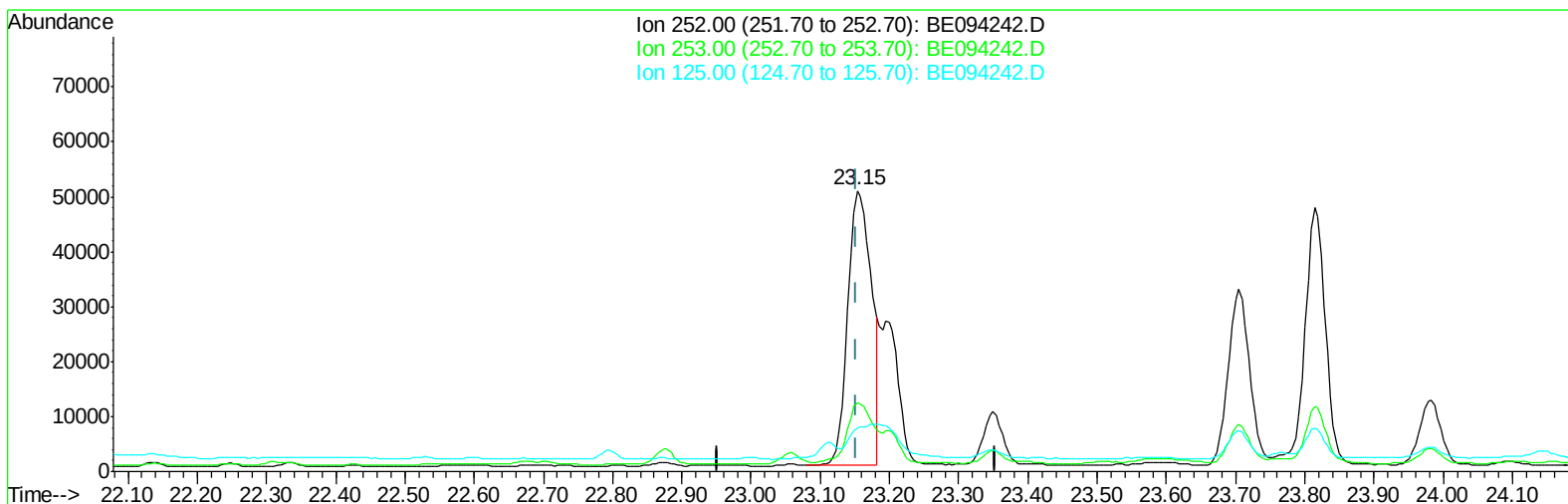
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094242.D
Acq On : 10 Oct 2017 4:15
Operator : SJ/JU
Sample : I5522-17
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC3

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:36 PM

Quant Time: Oct 10 08:52:59 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: BE094242.D

(21) Benzo(b)fluoranthene

23.154min (+0.000) 3.12ng/ul

response 118066

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	24.49
125.00	17.50	15.66
0.00	0.00	0.00

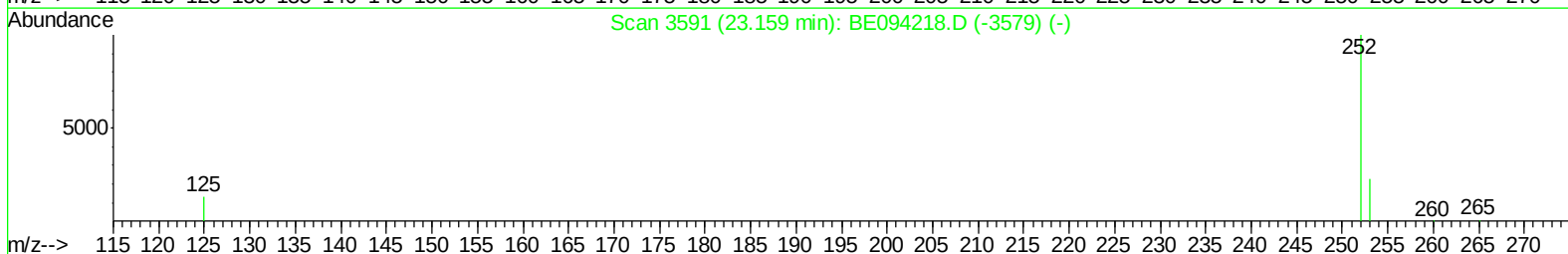
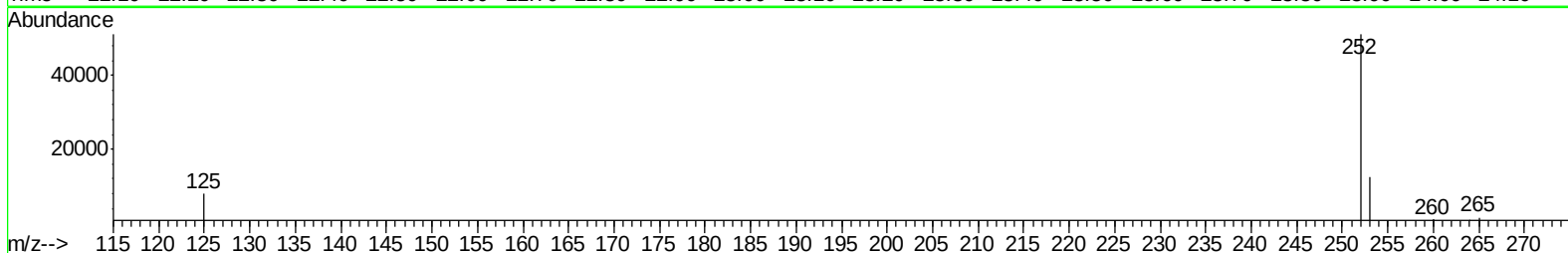
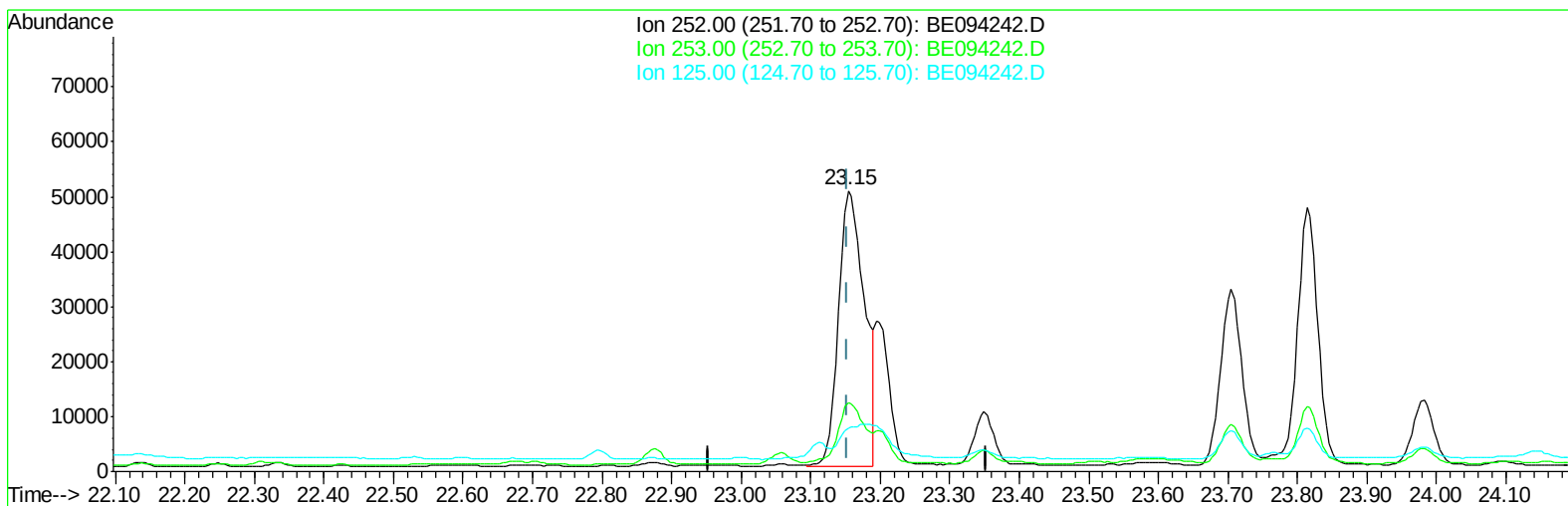
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094242.D
Acq On : 10 Oct 2017 4:15
Operator : SJ/JU
Sample : I5522-17
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC3

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:36 PM

Quant Time: Oct 10 08:52:59 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
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Response via : Initial Calibration



TIC: BE094242.D

(21) Benzo(b)fluoranthene

23.154min (+0.000) 3.49ng/ul m

response 132081

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	24.49
125.00	17.50	15.66
0.00	0.00	0.00

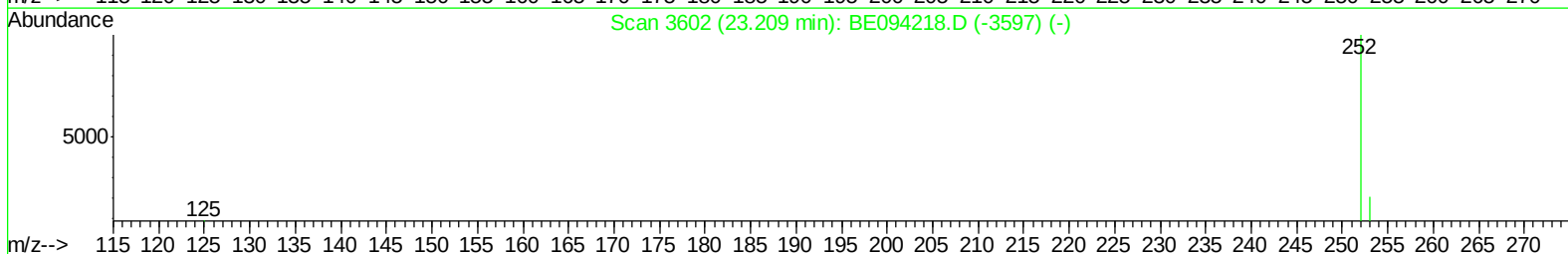
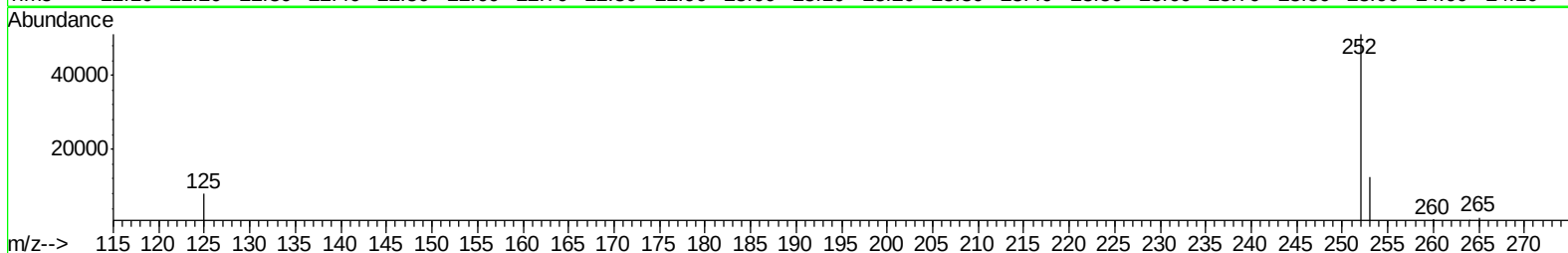
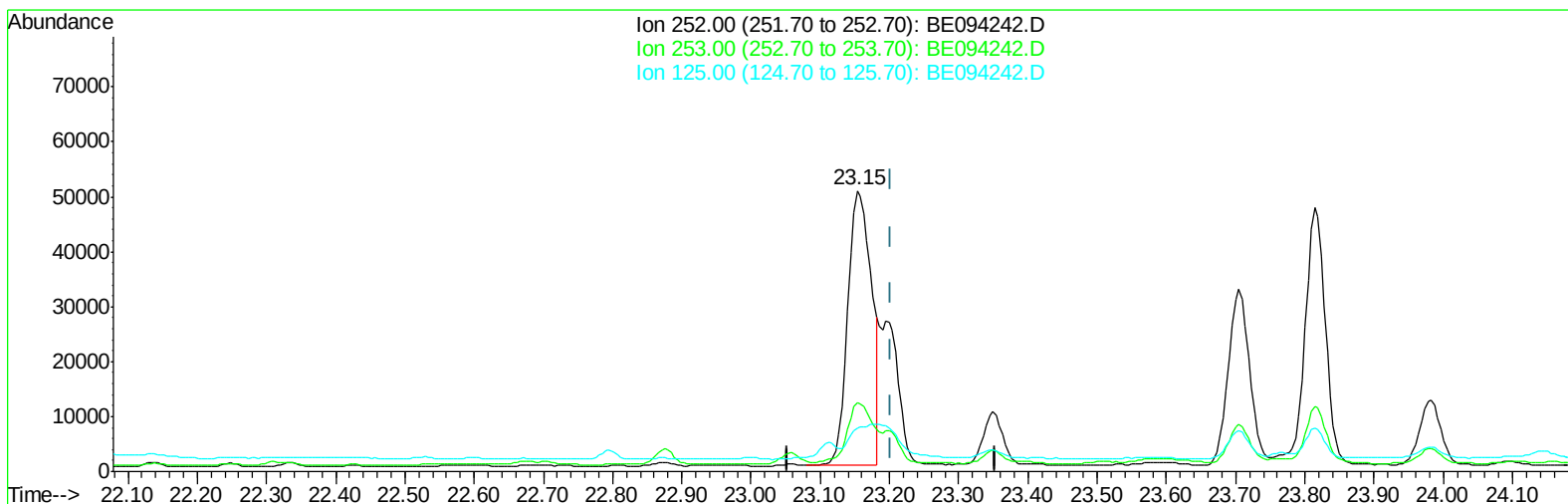
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094242.D
Acq On : 10 Oct 2017 4:15
Operator : SJ/JU
Sample : I5522-17
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC3

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:36 PM

Quant Time: Oct 10 08:52:59 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: BE094242.D

(22) Benzo(k)fluoranthene

23.154min (-0.050) 2.70ng/ul

response 118066

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	24.49
125.00	17.10	15.66
0.00	0.00	0.00

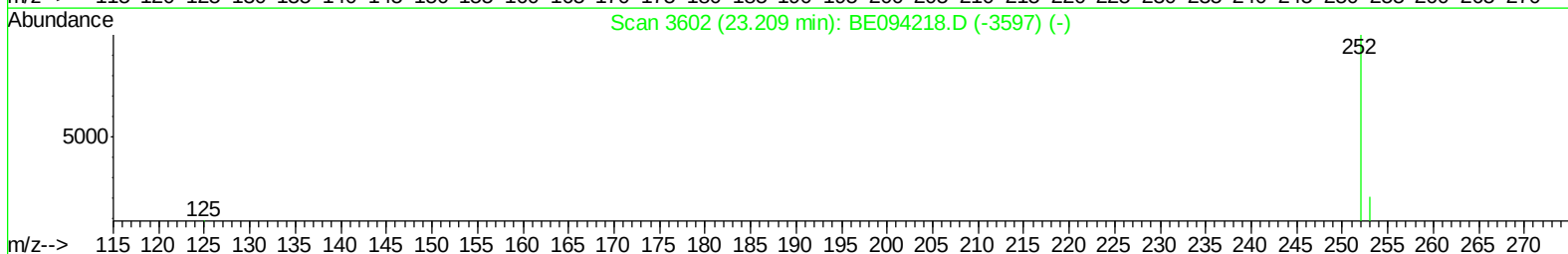
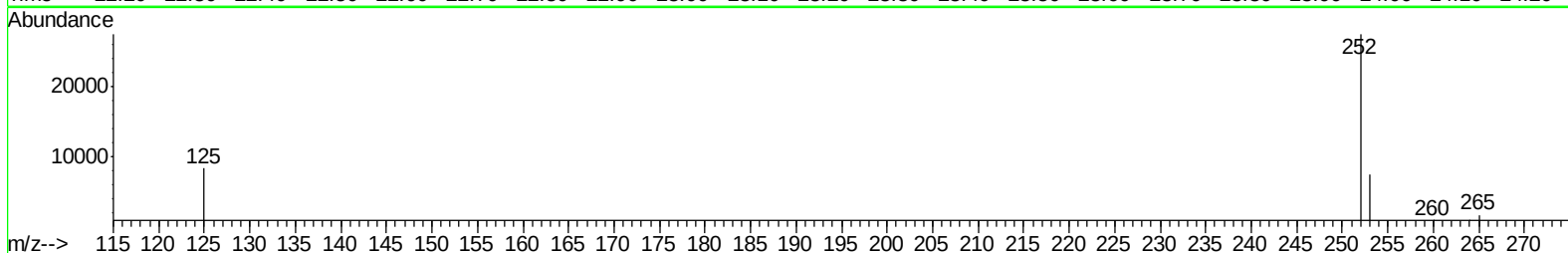
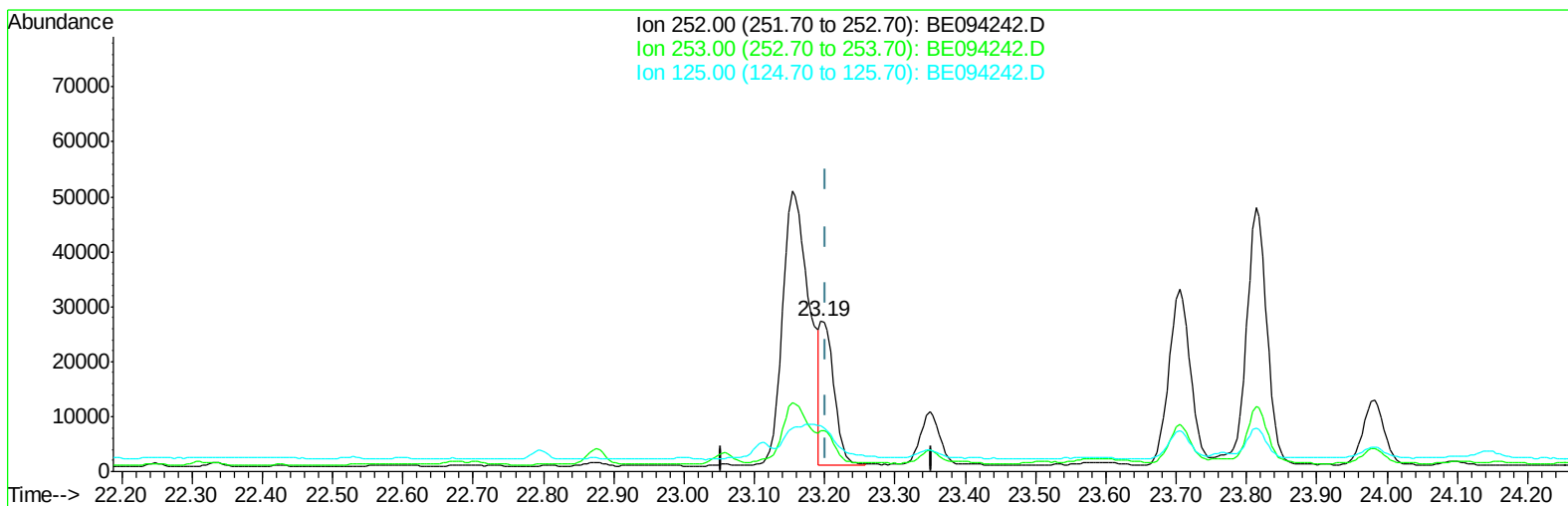
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094242.D
Acq On : 10 Oct 2017 4:15
Operator : SJ/JU
Sample : I5522-17
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC3

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:36 PM

Quant Time: Oct 10 08:52:59 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: BE094242.D

(22) Benzo(k)fluoranthene

23.194min (-0.009) 0.85ng/ul m

response 37059

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	26.94
125.00	17.10	30.17#
0.00	0.00	0.00

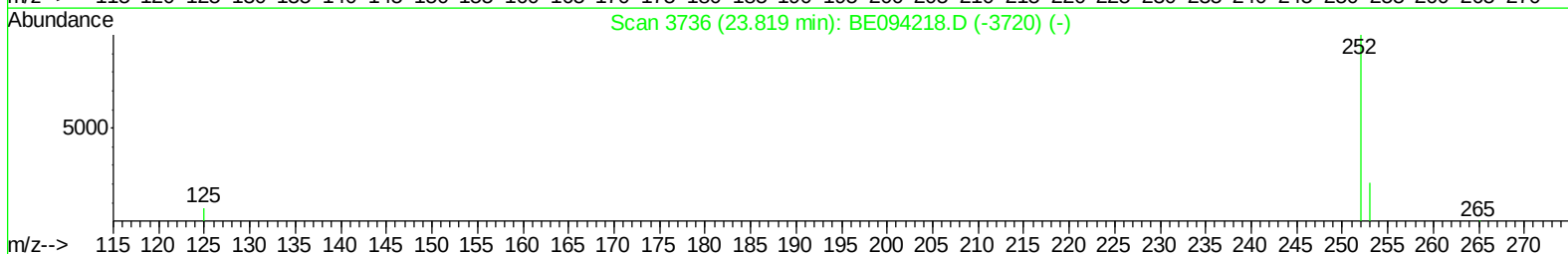
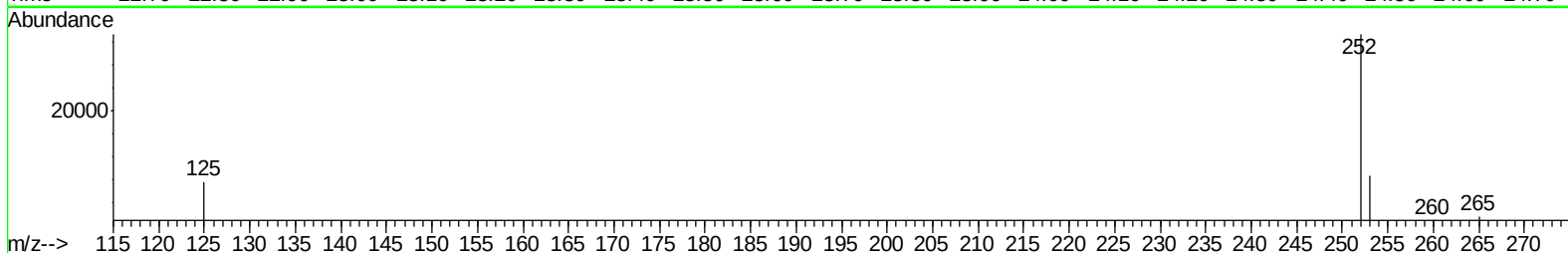
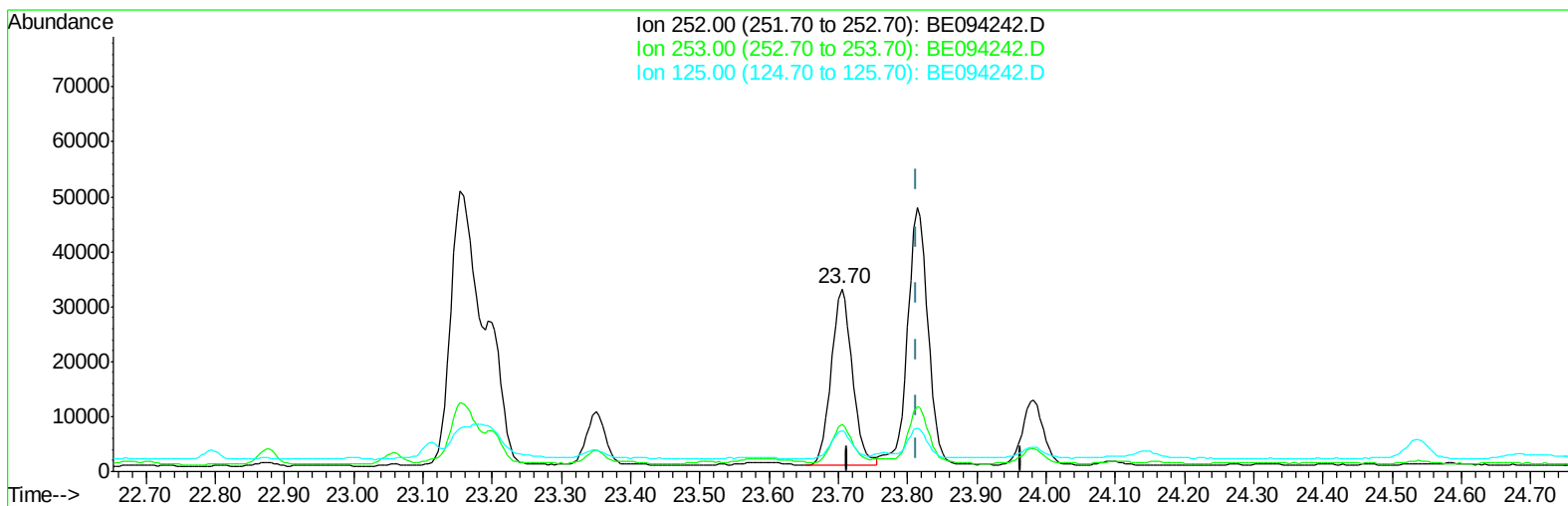
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094242.D
Acq On : 10 Oct 2017 4:15
Operator : SJ/JU
Sample : I5522-17
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC3

Manual Integrations
APPROVED

Sohil
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Quant Time: Oct 10 08:52:59 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
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TIC: BE094242.D

(23) Benzo(a)pyrene (C)

23.705min (-0.109) 1.76ng/ul

response 69183

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	25.82#
125.00	22.60	22.61
0.00	0.00	0.00

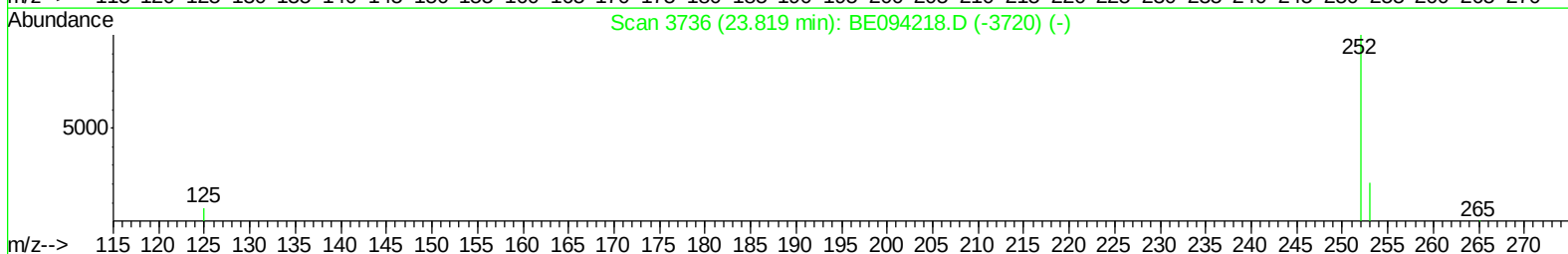
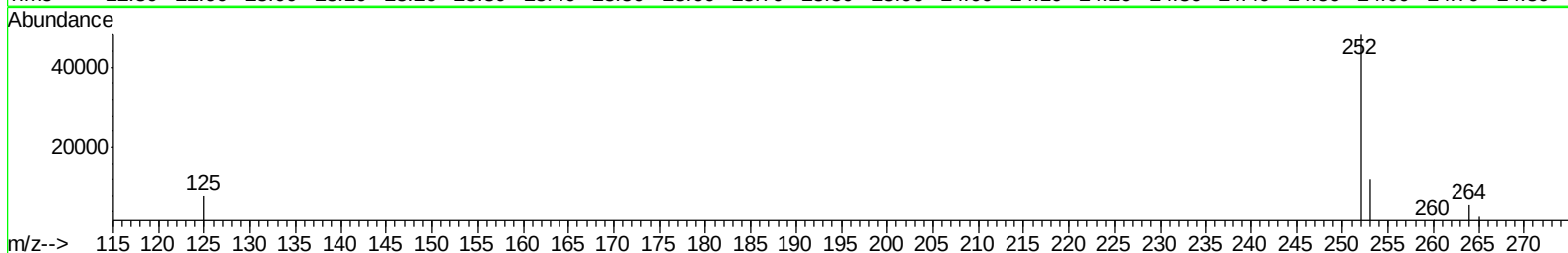
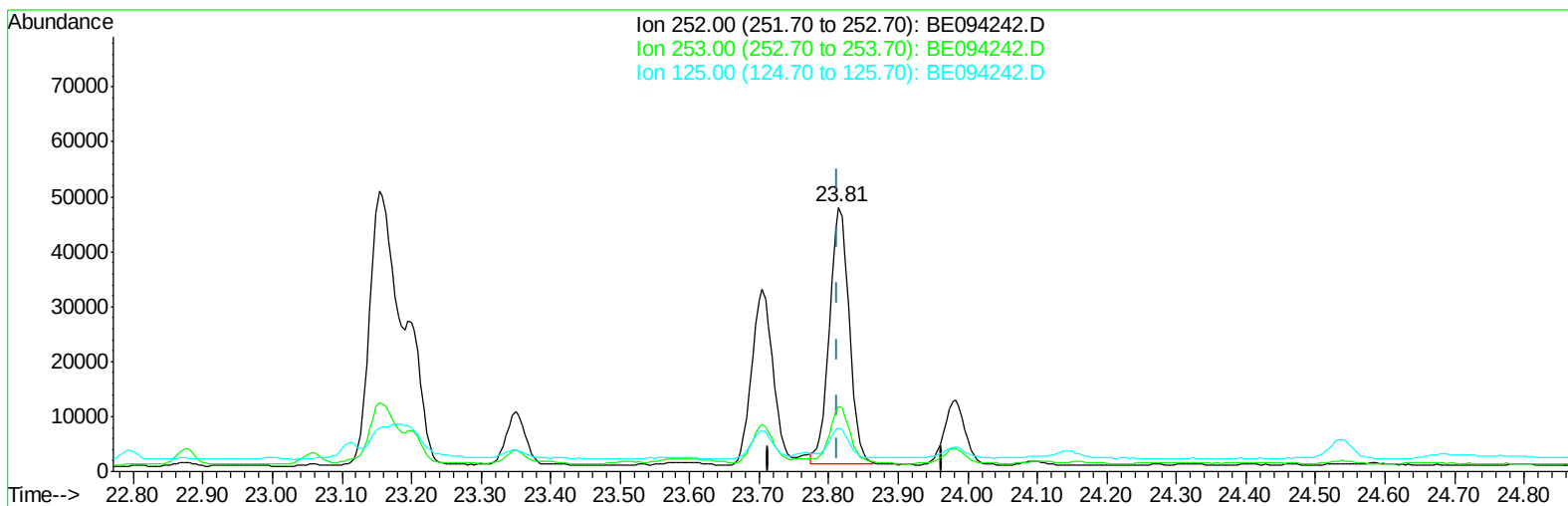
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094242.D
Acq On : 10 Oct 2017 4:15
Operator : SJ/JU
Sample : I5522-17
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC3

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:36 PM

Quant Time: Oct 10 08:52:59 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
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Response via : Initial Calibration



TIC: BE094242.D

(23) Benzo(a)pyrene (C)

23.814min (+0.000) 2.36ng/ul m

response 92575

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	24.72#
125.00	22.60	16.61#
0.00	0.00	0.00

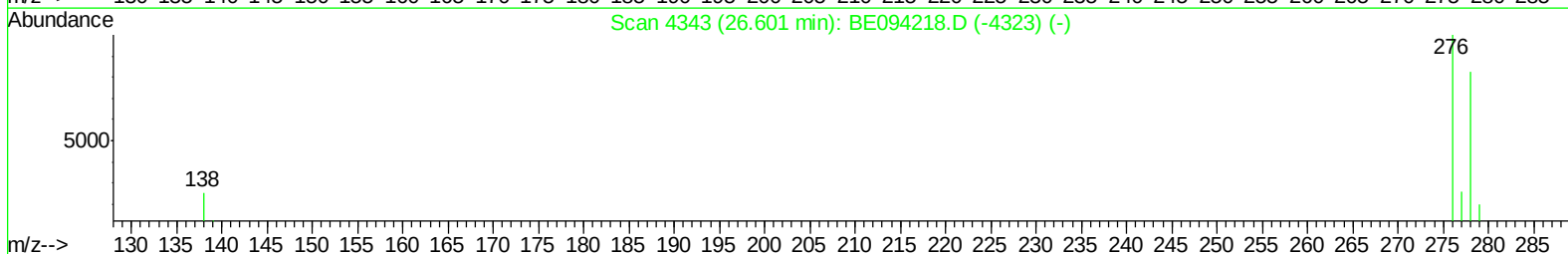
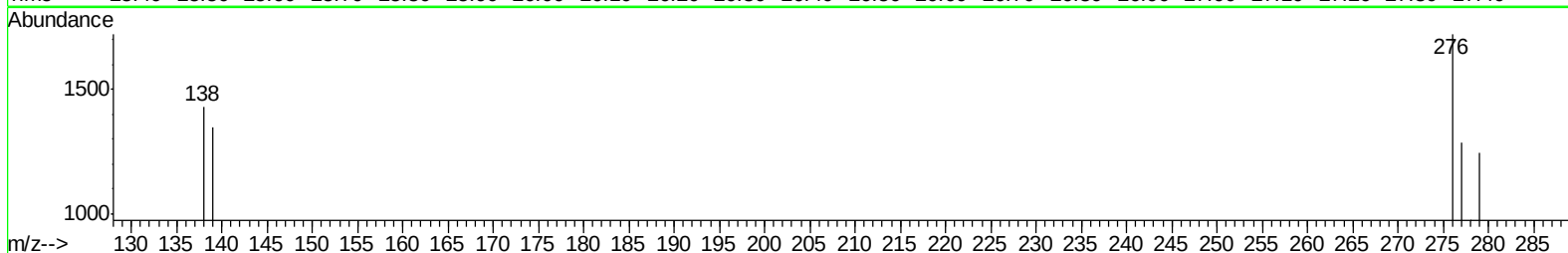
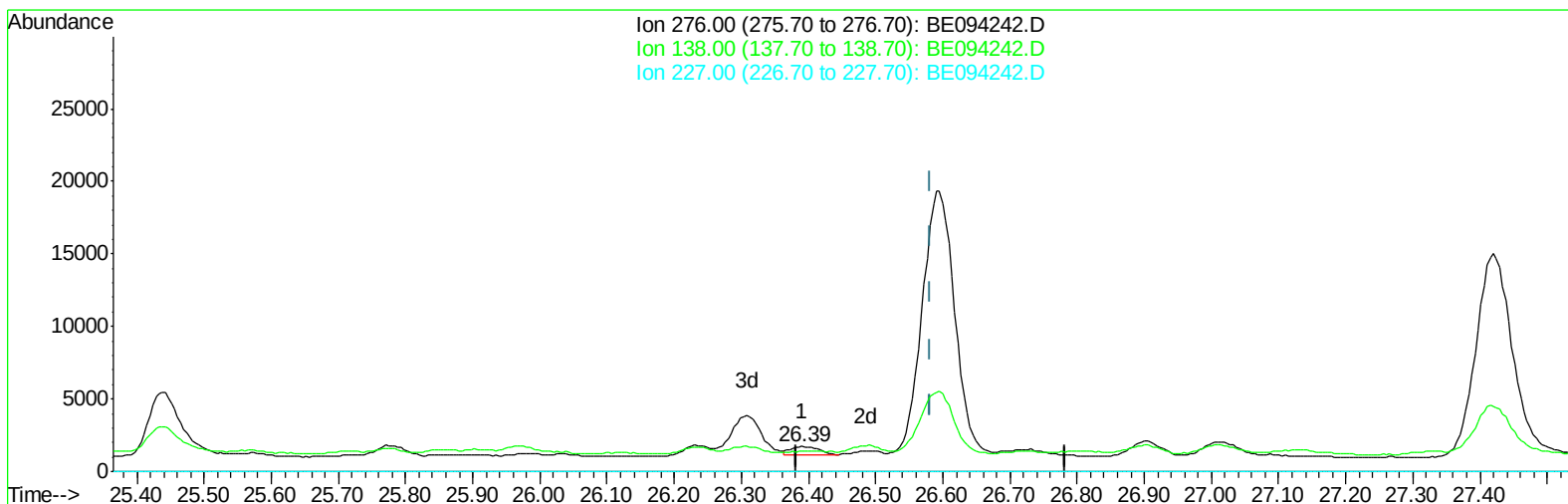
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094242.D
Acq On : 10 Oct 2017 4:15
Operator : SJ/JU
Sample : I5522-17
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC3

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:36 PM

Quant Time: Oct 10 08:52:59 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: BE094242.D

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

26.390min (-0.193) 0.04ng/ul

response 1531

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	34.88
227.00	10.00	0.00#
0.00	0.00	0.00

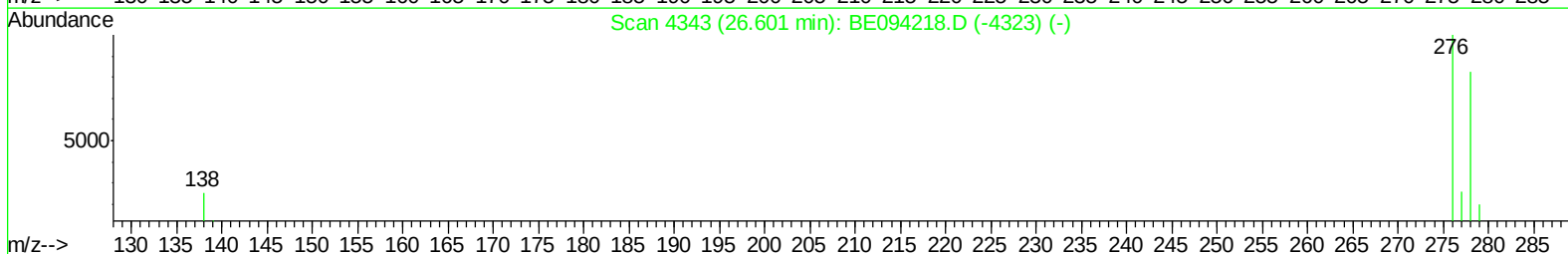
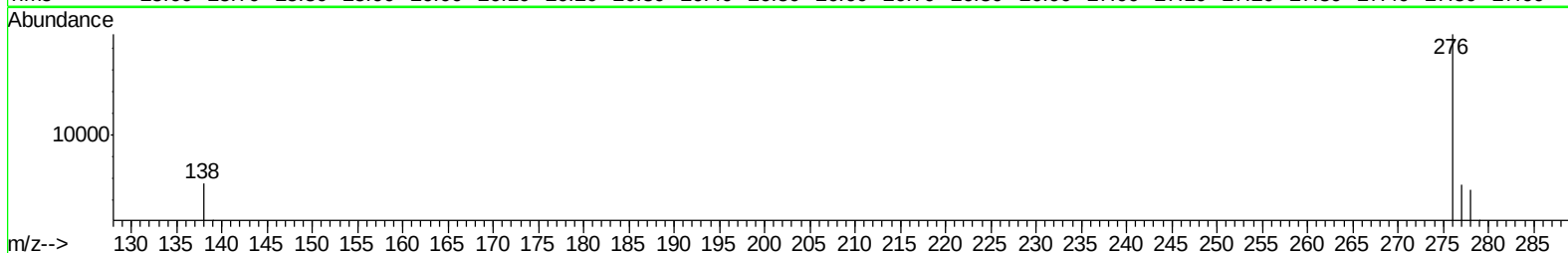
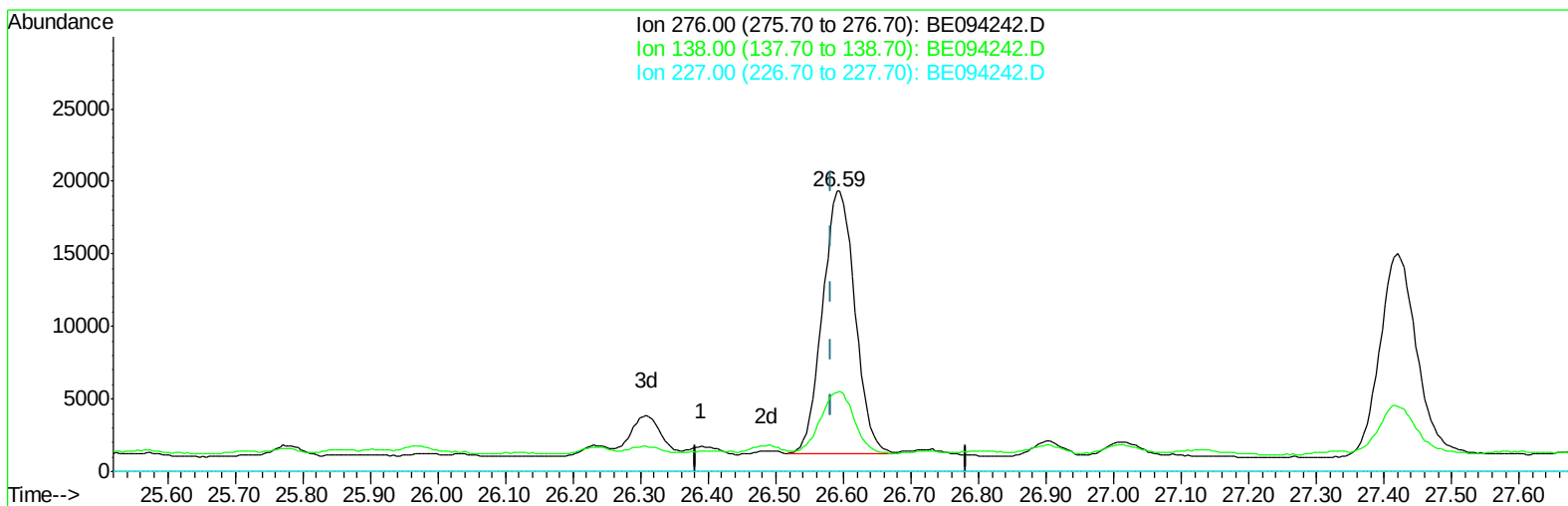
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094242.D
Acq On : 10 Oct 2017 4:15
Operator : SJ/JU
Sample : I5522-17
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC3

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:36 PM

Quant Time: Oct 10 08:52:59 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: BE094242.D

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

26.590min (+0.008) 1.51ng/ul m

response 60546

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	0.88#
227.00	10.00	0.00#
0.00	0.00	0.00

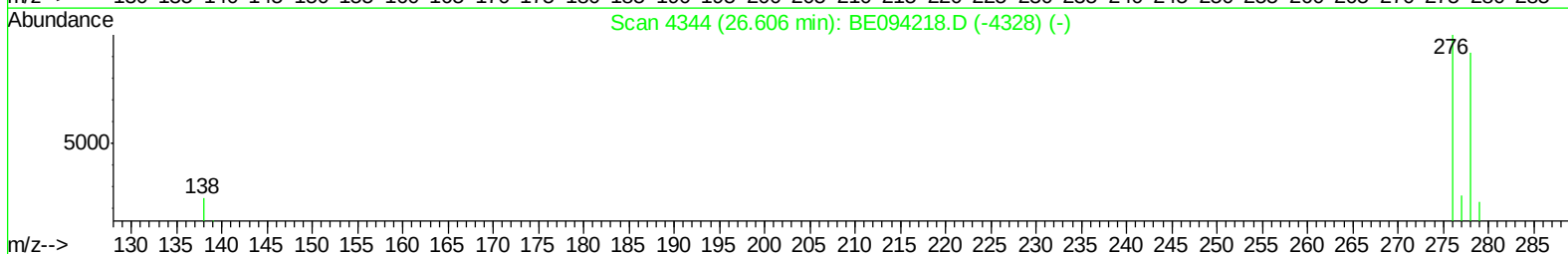
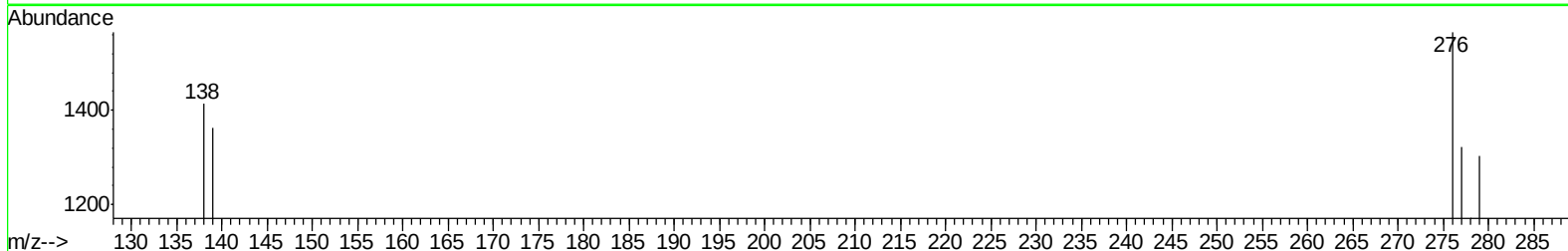
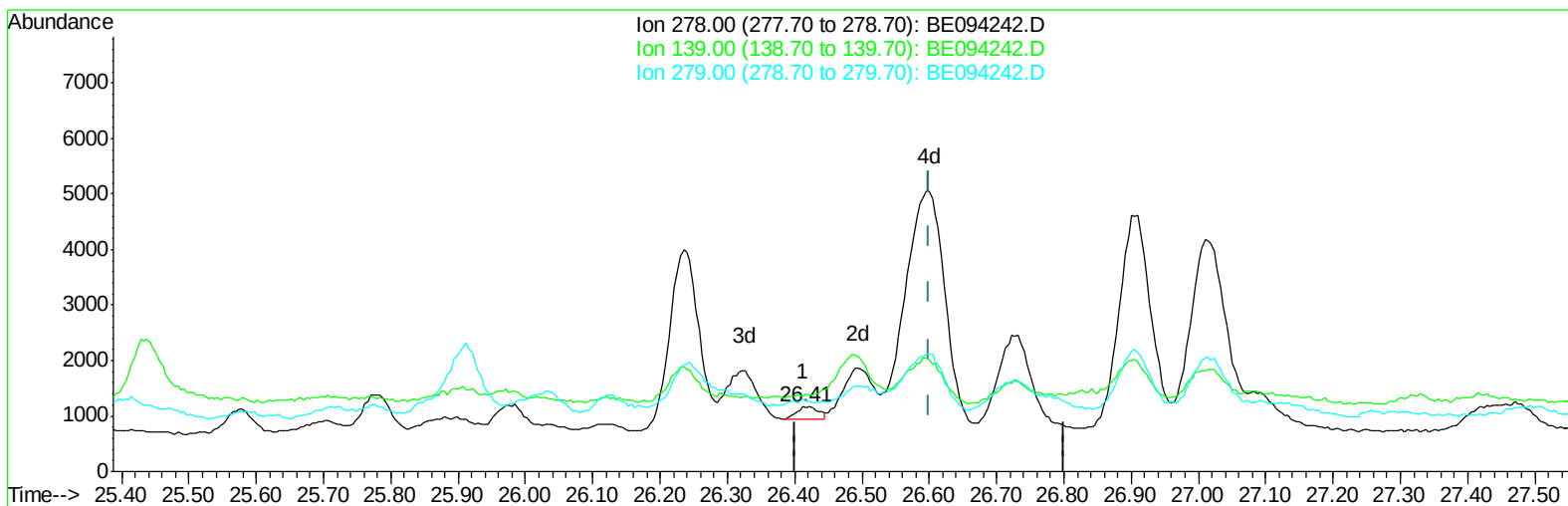
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094242.D
Acq On : 10 Oct 2017 4:15
Operator : SJ/JU
Sample : I5522-17
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC3

Manual Integrations
APPROVED

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Quant Time: Oct 10 08:52:59 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: BE094242.D

(25) Dibenzo(a,h)anthracene

26.413min (-0.188) 0.02ng/ul

response 522

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	116.31#
279.00	32.40	111.19#
0.00	0.00	0.00

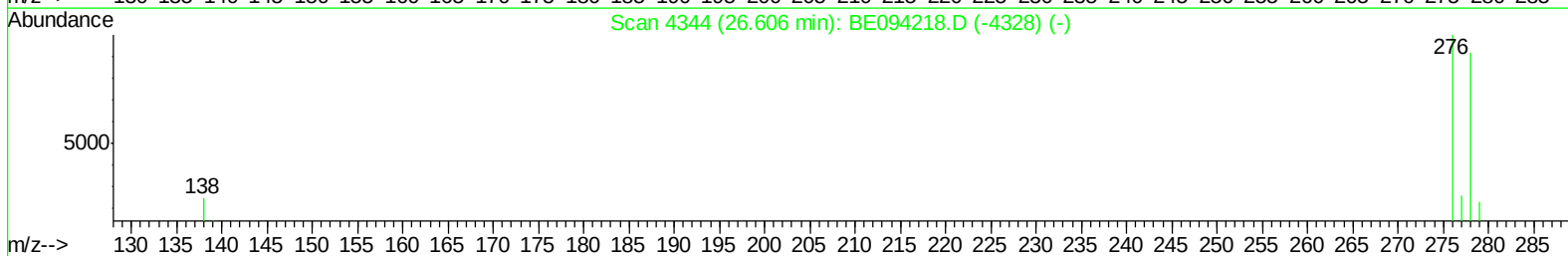
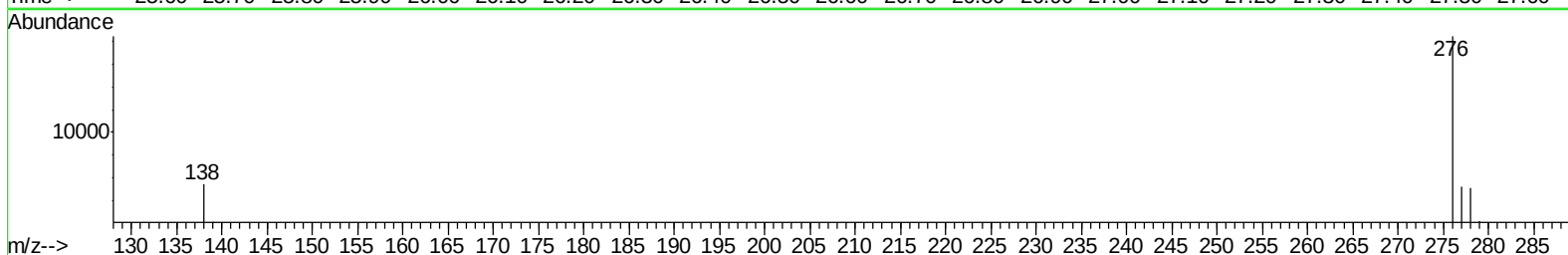
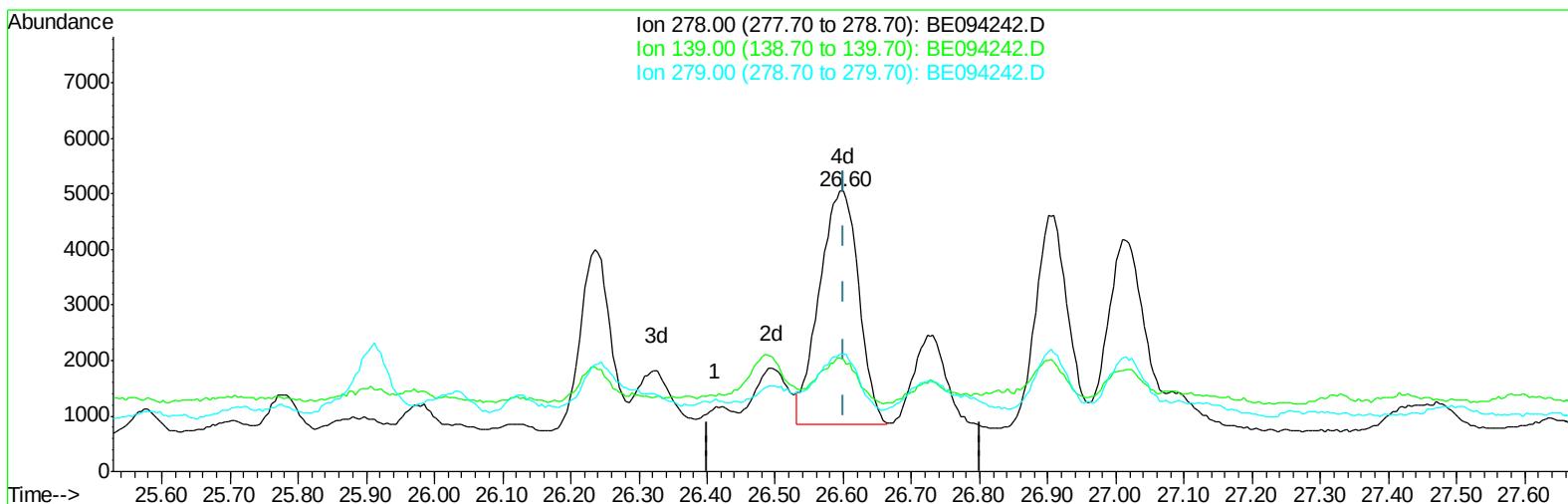
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094242.D
Acq On : 10 Oct 2017 4:15
Operator : SJ/JU
Sample : I5522-17
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC3

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:36 PM

Quant Time: Oct 10 08:52:59 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
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Response via : Initial Calibration



TIC: BE094242.D

(25) Dibenzo(a,h)anthracene

26.600min (-0.002) 0.50ng/ul m

response 16839

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	39.99#
279.00	32.40	41.65#
0.00	0.00	0.00

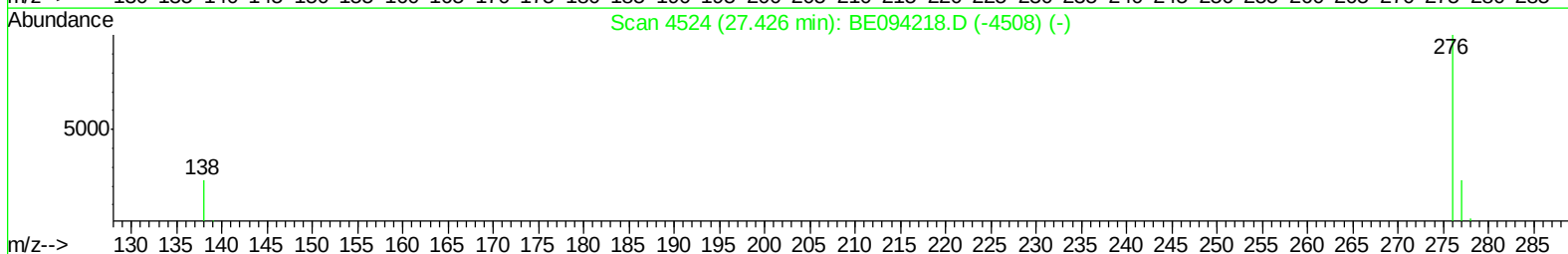
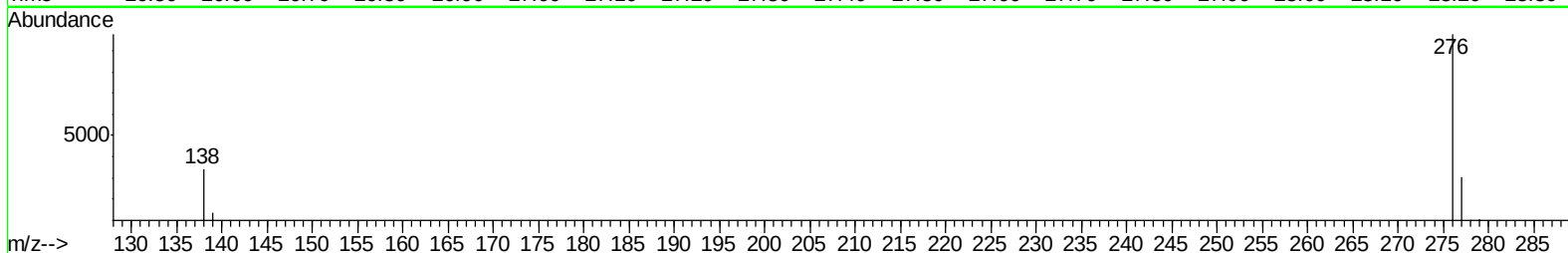
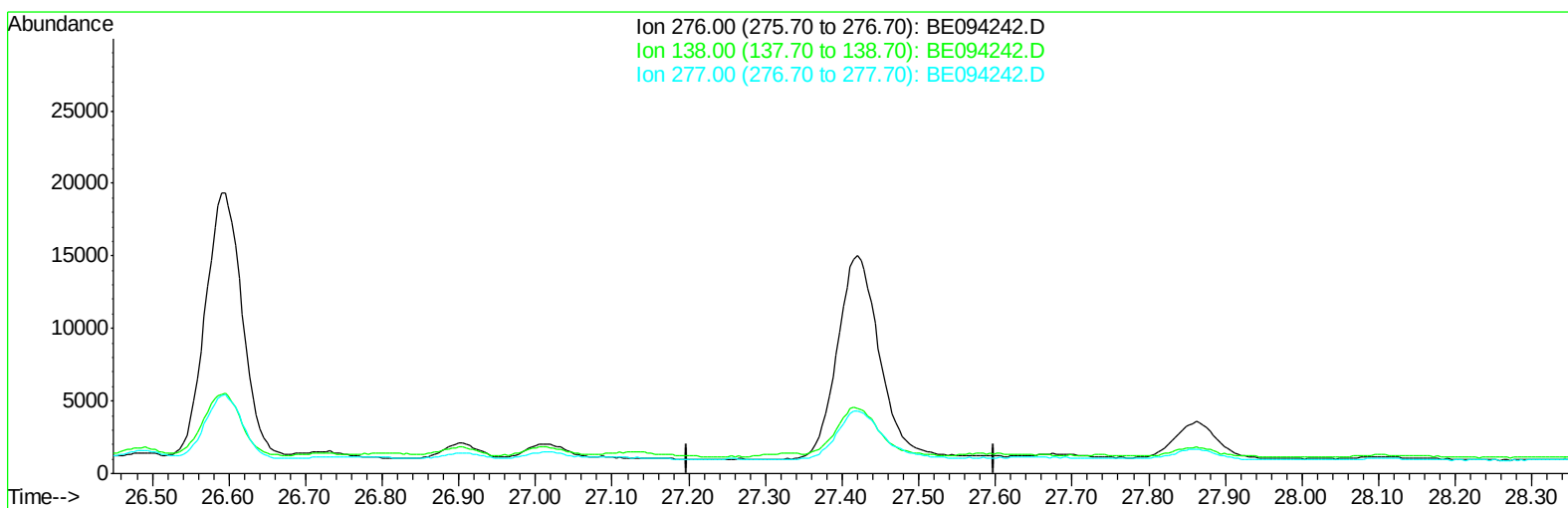
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094242.D
Acq On : 10 Oct 2017 4:15
Operator : SJ/JU
Sample : I5522-17
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
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Manual Integrations
APPROVED

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Quant Time: Oct 10 08:52:59 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: BE094242.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

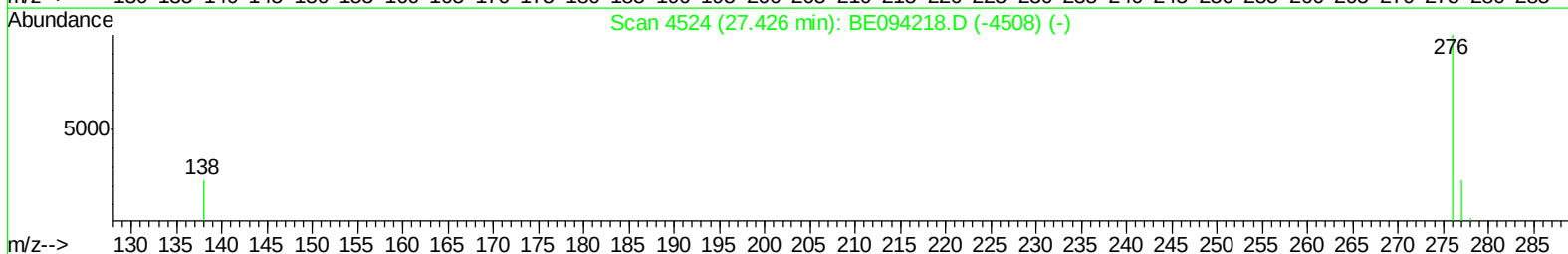
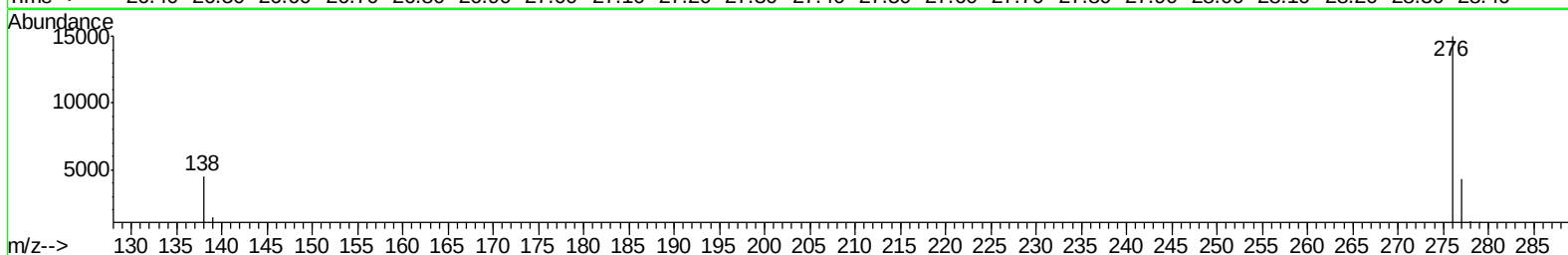
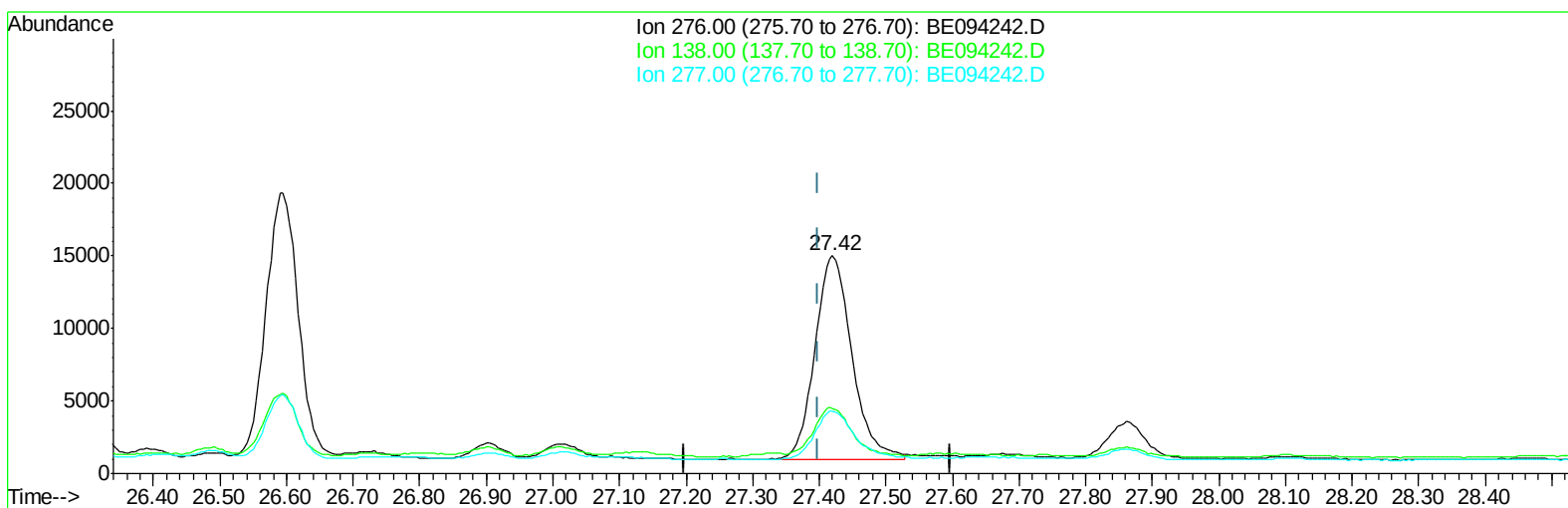
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094242.D
Acq On : 10 Oct 2017 4:15
Operator : SJ/JU
Sample : I5522-17
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC3

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:36 PM

Quant Time: Oct 10 08:52:59 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: BE094242.D

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

27.420min (+0.021) 1.55ng/ul m

response 53753

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	30.09
277.00	25.60	28.83
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
 Data File : BE094242.D
 Acq On : 10 Oct 2017 4:15
 Operator : SJ/JU
 Sample : I5522-17
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AC3

Manual Integrations
 APPROVED

Sohil
 10/10/2017 4:57:36 PM

Quant Time: Oct 10 11:21:18 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	2558	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	12764	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	7605	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.26	188	15703	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	15698	0.40	ng/ul	0.00
20) Perylene-d12	23.93	264	13916m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	5585	0.28	ng/ul	-0.01
14) Fluoranthene-d10	19.27	212	12718	0.24	ng/ul	-0.01
Target Compounds						
					Ovalue	
3) Naphthalene	10.74	128	2361	0.08	ng/ul#	93
5) 2-Methylnaphthalene	12.35	142	1816	0.09	ng/ul	98
7) Acenaphthylene	14.24	152	3656	0.12	ng/ul	93
8) Acenaphthene	14.57	153	1632	0.07	ng/ul	95
9) Fluorene	15.57	166	2031	0.07	ng/ul	93
12) Phenanthrene	17.29	178	53626	1.31	ng/ul#	92
13) Anthracene	17.38	178	15044	0.38	ng/ul#	93
15) Fluoranthene	19.30	202	159957	2.97	ng/ul	84
17) Pyrene	19.66	202	162194	3.71	ng/ul#	83
18) Benzo(a)anthracene	21.40	228	92947	2.23	ng/ul#	87
19) Chrysene	21.45	228	91091	1.89	ng/ul	96
21) Benzo(b)fluoranthene	23.15	252	132081m	3.49	ng/ul	
22) Benzo(k)fluoranthene	23.19	252	37059m	0.85	ng/ul	
23) Benzo(a)pyrene	23.81	252	92575m	2.36	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.59	276	60546m	1.51	ng/ul	
25) Dibenzo(a,h)anthracene	26.60	278	16839m	0.50	ng/ul	
26) Benzo(a,h,i)perylene	27.42	276	53753m	1.55	ng/ul	

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

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
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