

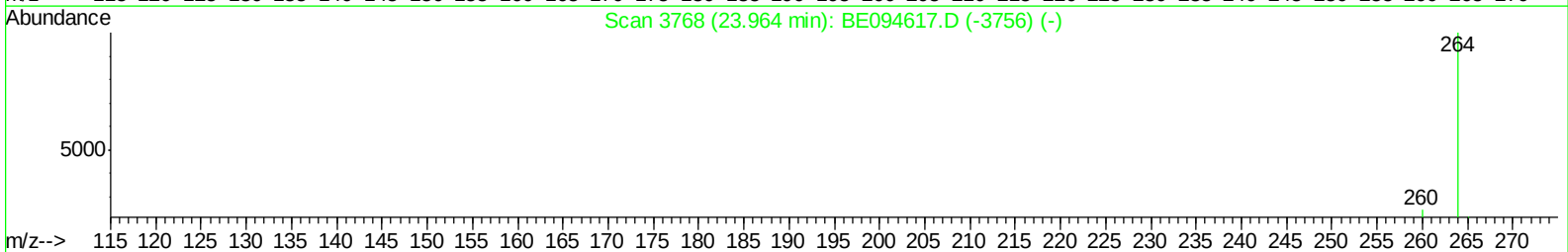
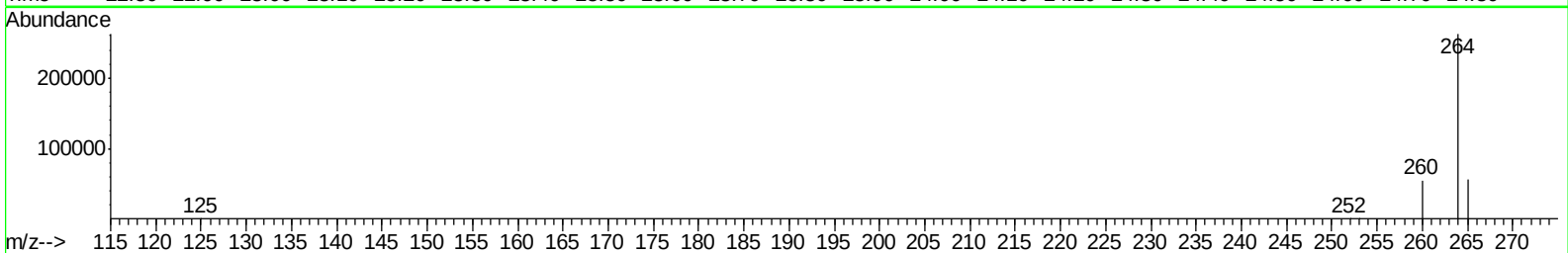
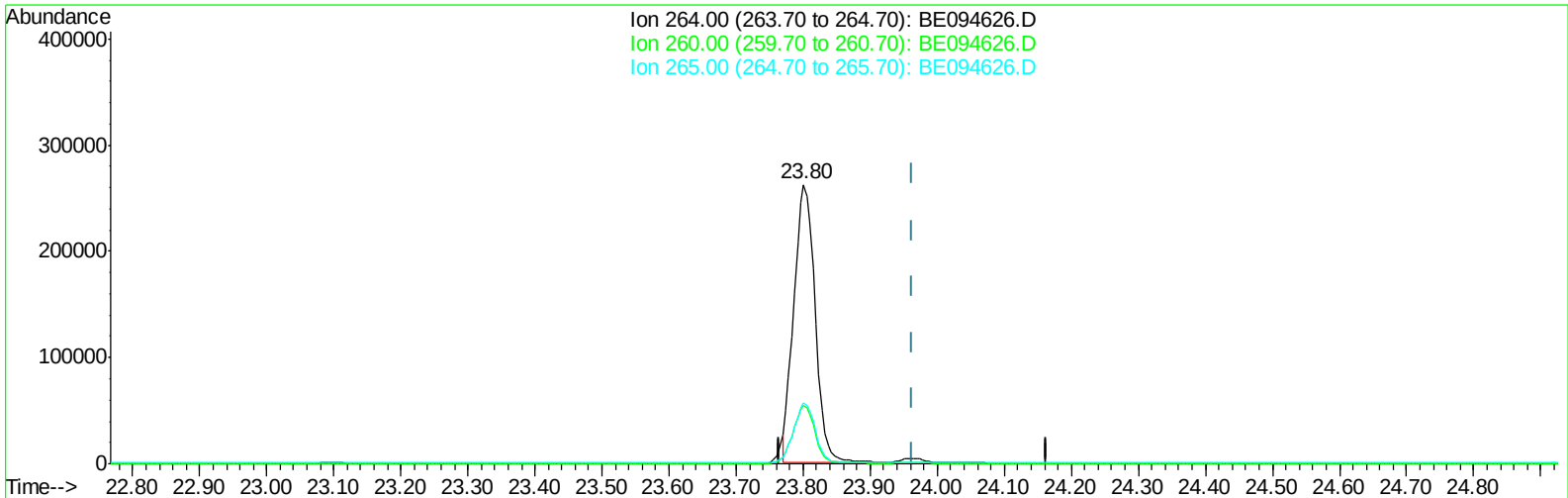
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094626.D
Acq On : 28 Oct 2017 17:08
Operator : SJ/JU
Sample : I5842-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AB8

Manual Integrations
APPROVED

Sohil
10/30/2017 6:40:08 PM

Quant Time: Oct 30 02:59:03 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 02:53:50 2017
Response via : Initial Calibration



TIC: BE094626.D

(20) Perylene-d12 (I)

23.801min (-0.163) 0.40ng/ul

response 577692

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.06#
265.00	103.50	21.63#
0.00	0.00	0.00

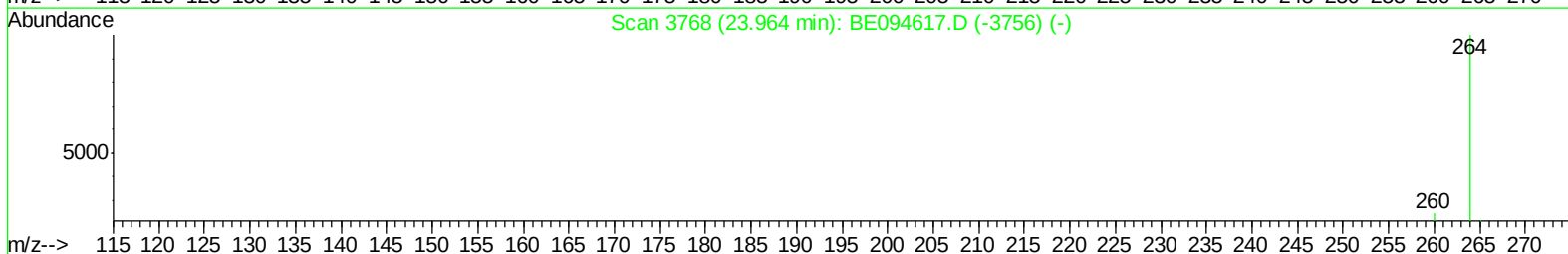
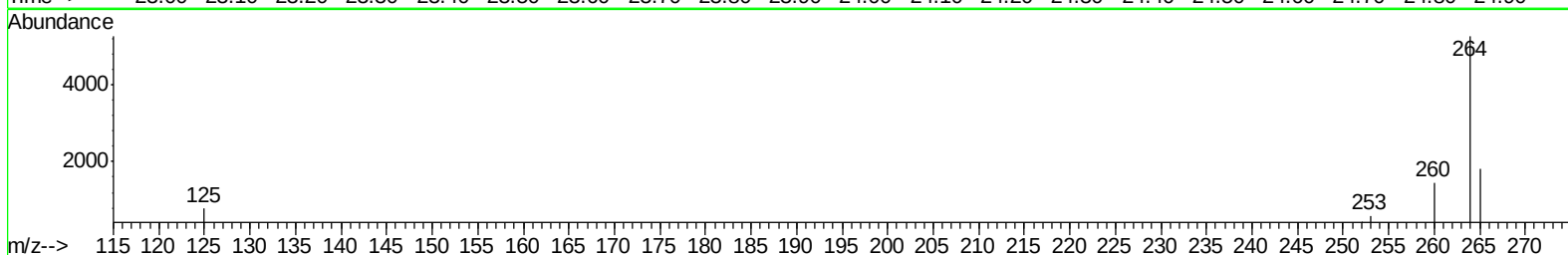
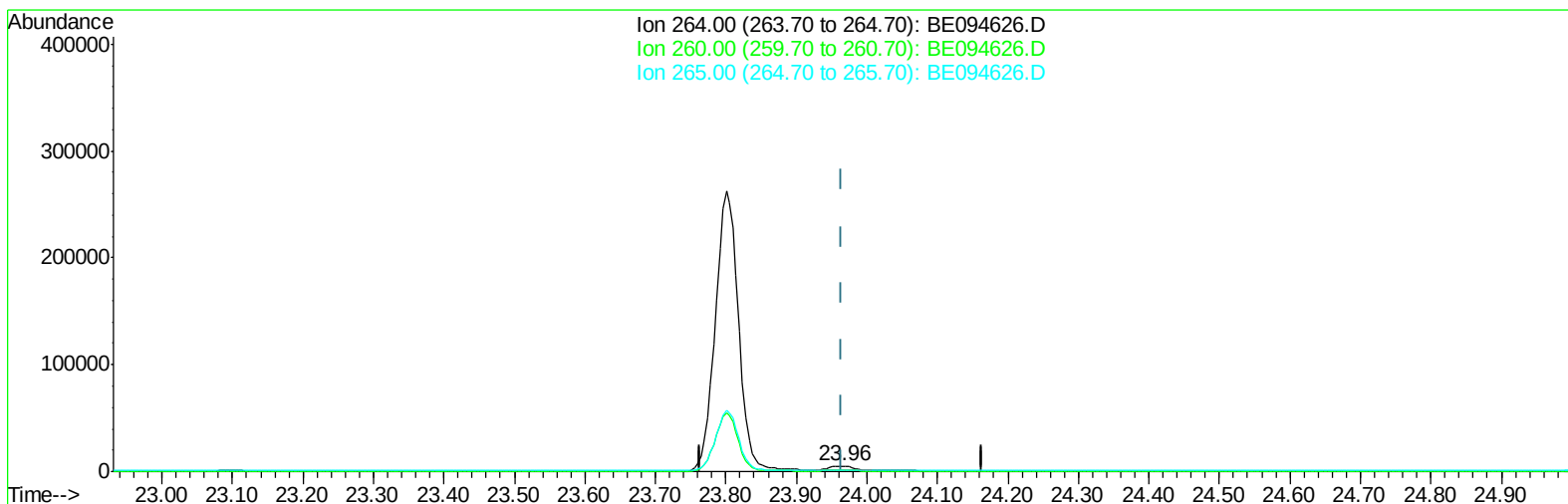
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
 Data File : BE094626.D
 Acq On : 28 Oct 2017 17:08
 Operator : SJ/JU
 Sample : I5842-19
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AB8

Manual Integrations
 APPROVED

Sohil
 10/30/2017 6:40:08 PM

Quant Time: Oct 30 02:59:03 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 30 02:53:50 2017
 Response via : Initial Calibration



TIC: BE094626.D

(20) Perylene-d12 (I)

23.965min (+0.000) 0.40ng/ul m

response 10793

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	27.61
265.00	103.50	34.34#
0.00	0.00	0.00

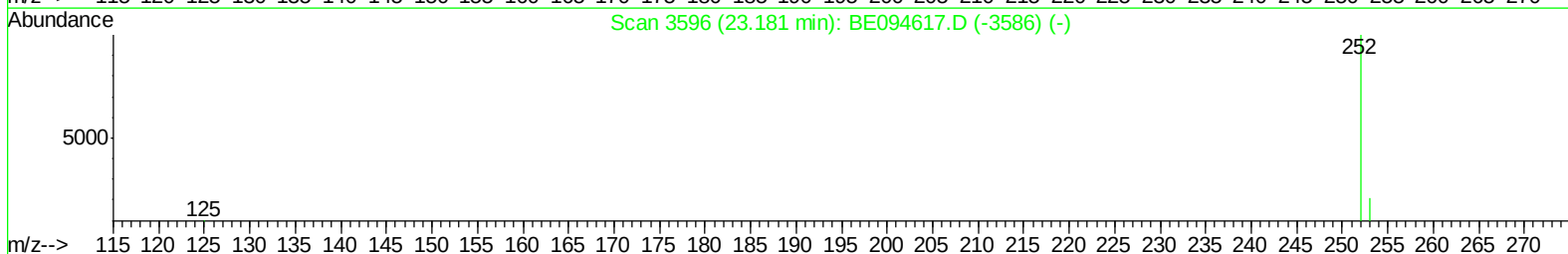
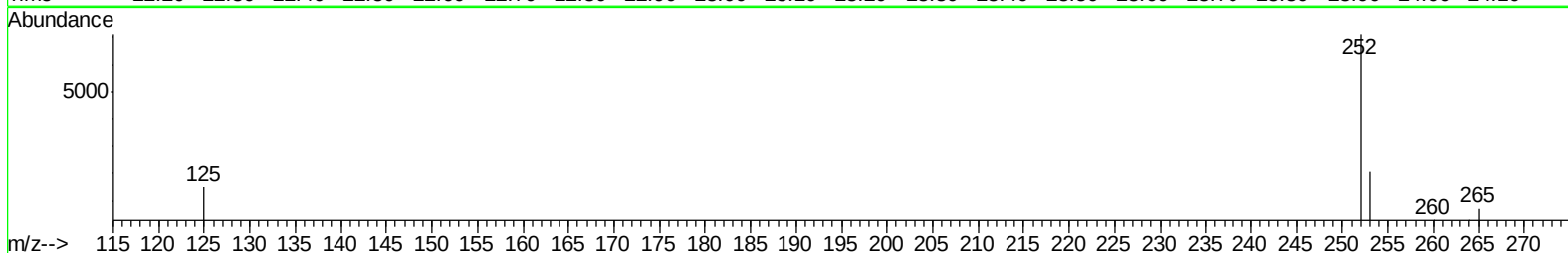
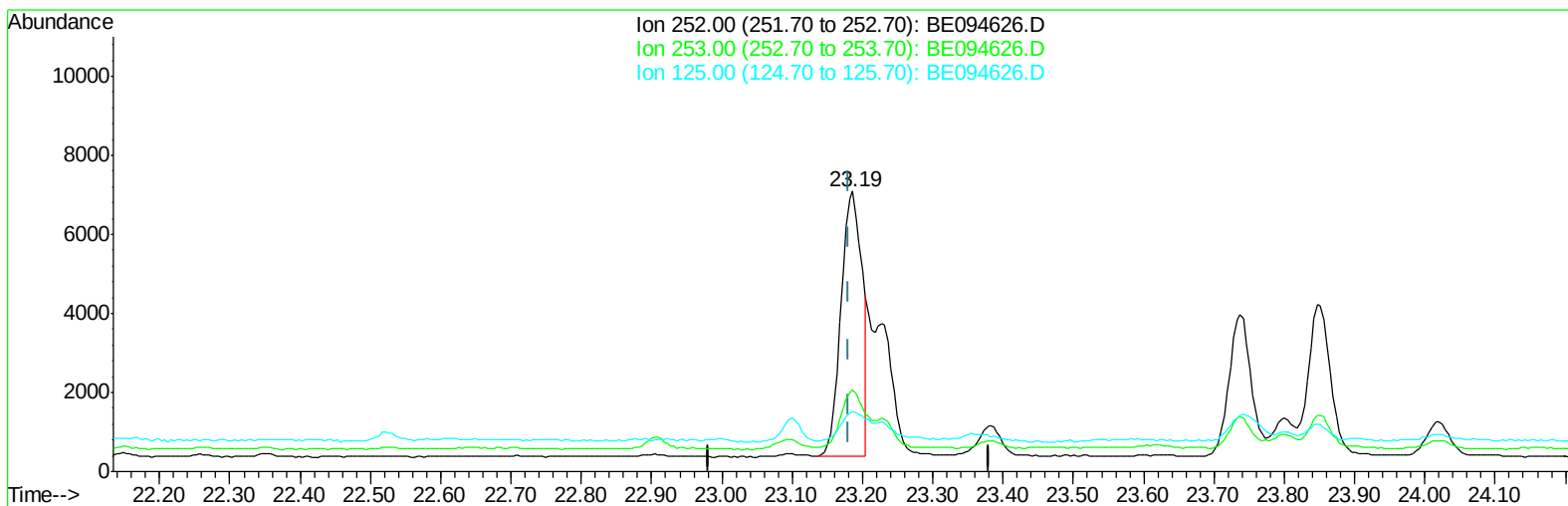
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094626.D
Acq On : 28 Oct 2017 17:08
Operator : SJ/JU
Sample : I5842-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AB8

Manual Integrations
APPROVED

Sohil
10/30/2017 6:40:08 PM

Quant Time: Oct 30 04:08:17 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 02:53:50 2017
Response via : Initial Calibration



TIC: BE094626.D

(21) Benzo(b)fluoranthene

23.186min (+0.005) 0.46ng/ul

response 14056

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	29.11
125.00	17.50	21.34
0.00	0.00	0.00

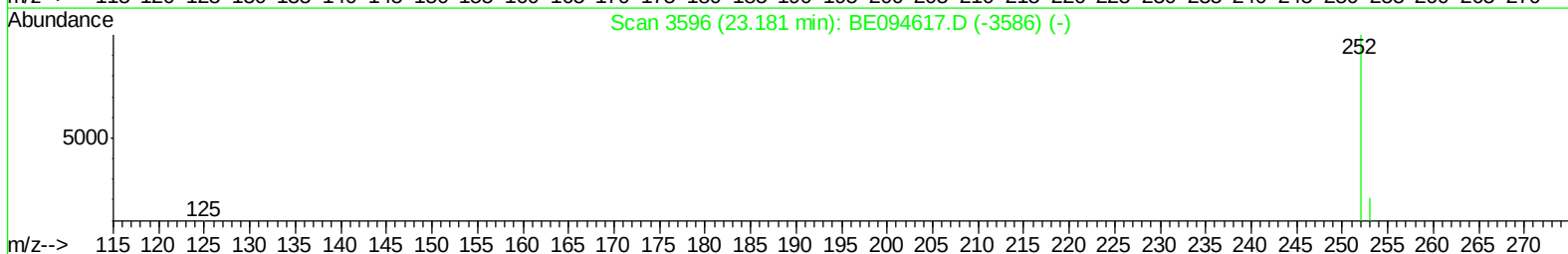
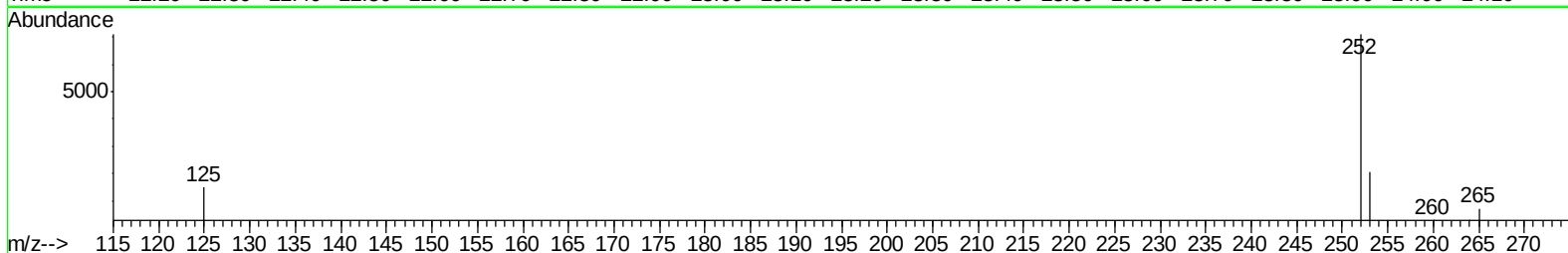
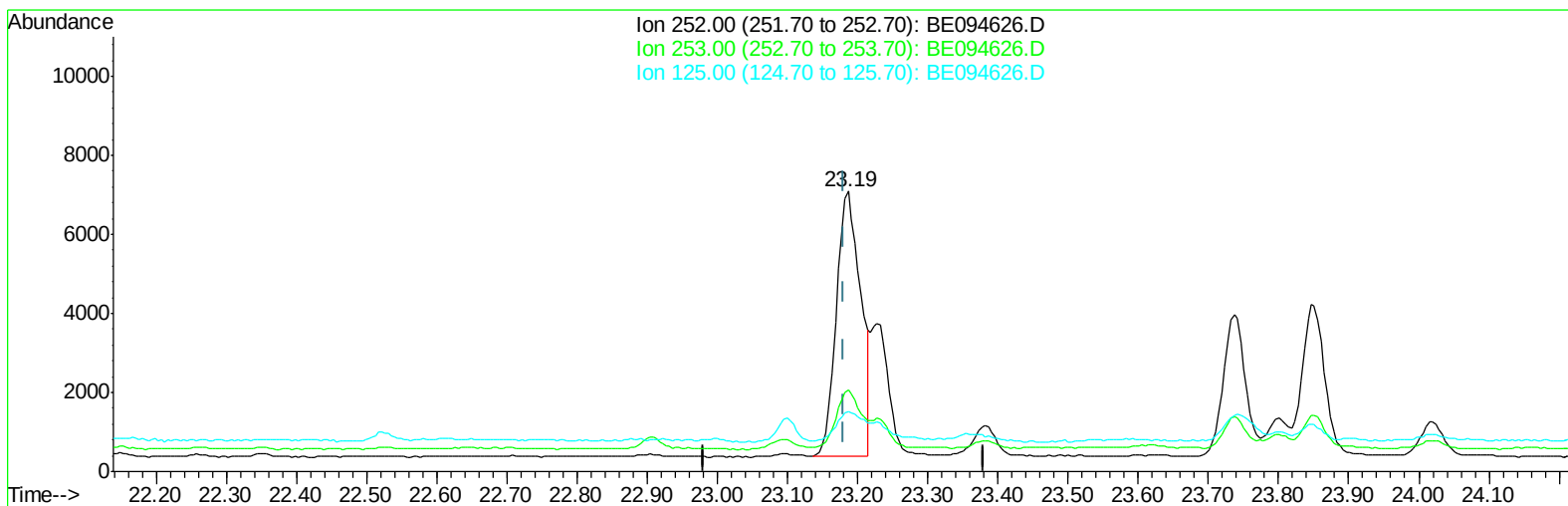
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094626.D
Acq On : 28 Oct 2017 17:08
Operator : SJ/JU
Sample : I5842-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AB8

Manual Integrations
APPROVED

Sohil
10/30/2017 6:40:08 PM

Quant Time: Oct 30 04:08:17 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 02:53:50 2017
Response via : Initial Calibration



TIC: BE094626.D

(21) Benzo(b)fluoranthene

23.186min (+0.005) 0.53ng/ul m

response 15960

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	29.11
125.00	17.50	21.34
0.00	0.00	0.00

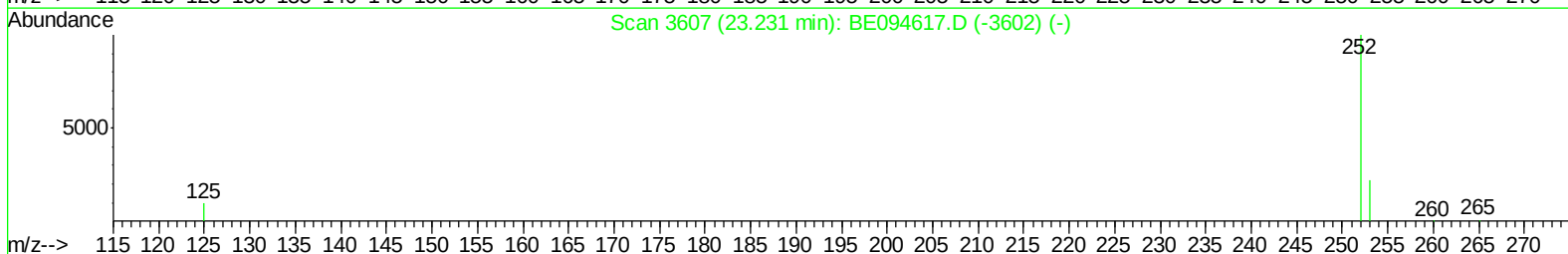
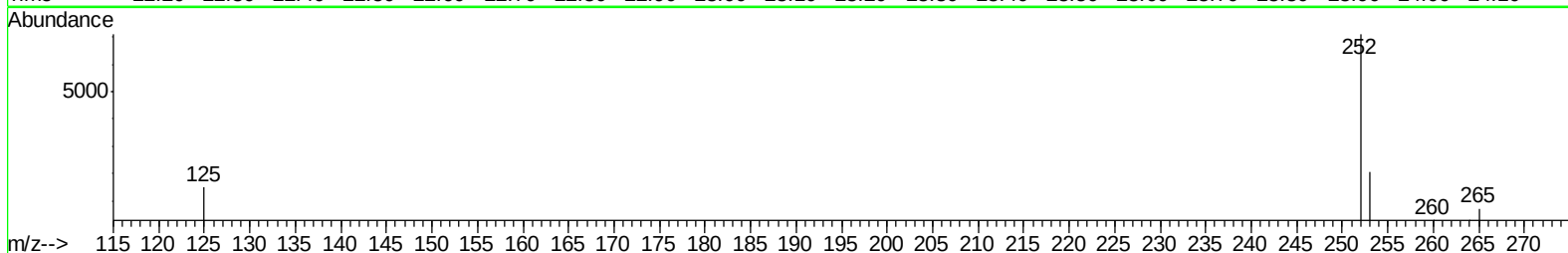
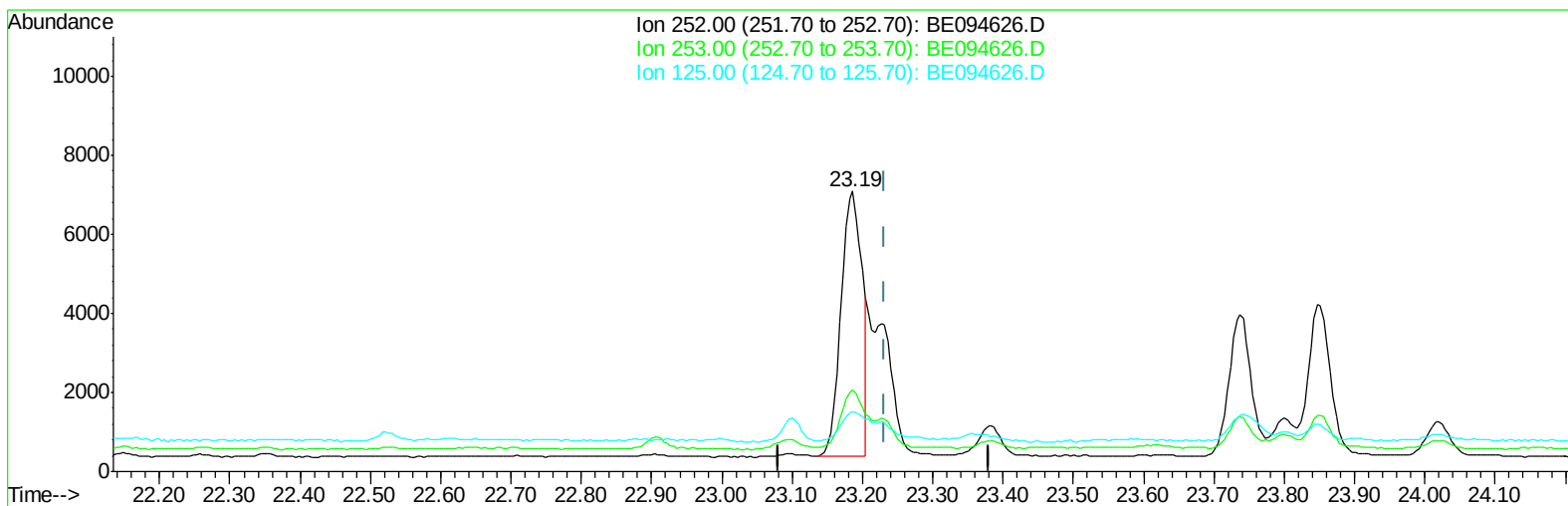
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094626.D
Acq On : 28 Oct 2017 17:08
Operator : SJ/JU
Sample : I5842-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AB8

Manual Integrations
APPROVED

Sohil
10/30/2017 6:40:08 PM

Quant Time: Oct 30 04:08:17 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 02:53:50 2017
Response via : Initial Calibration



TIC: BE094626.D

(22) Benzo(k)fluoranthene
23.186min (-0.045) 0.43ng/ul
response 14056

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	29.11
125.00	17.10	21.34#
0.00	0.00	0.00

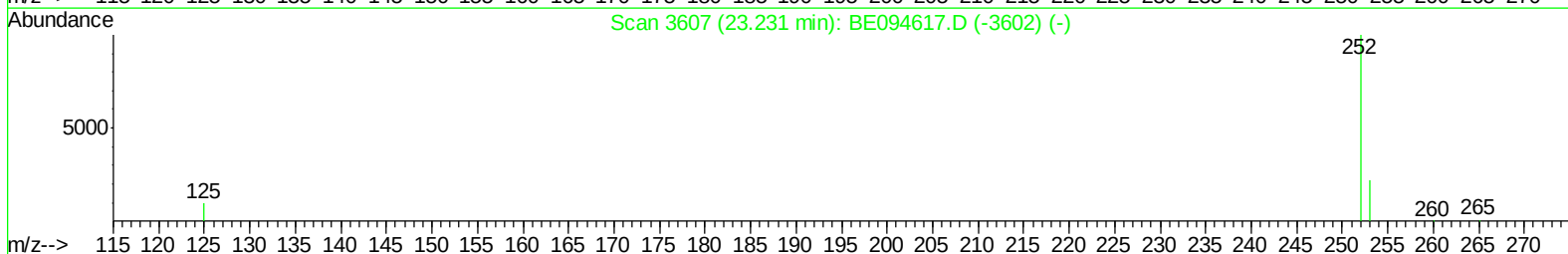
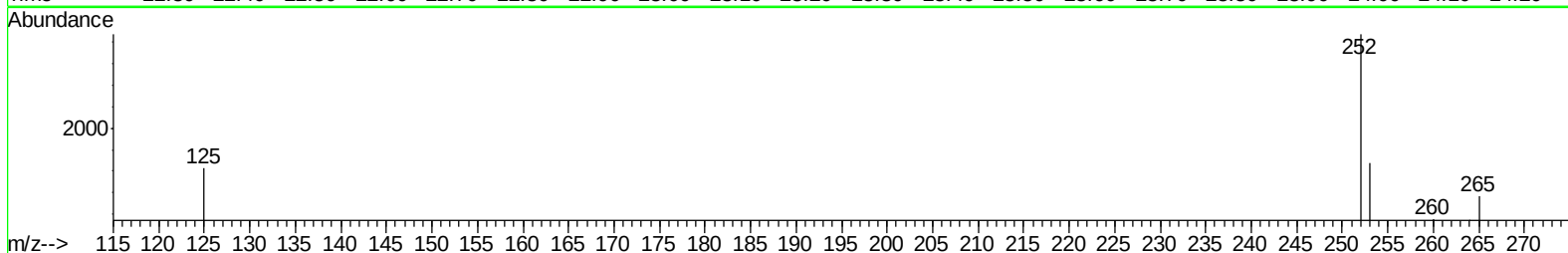
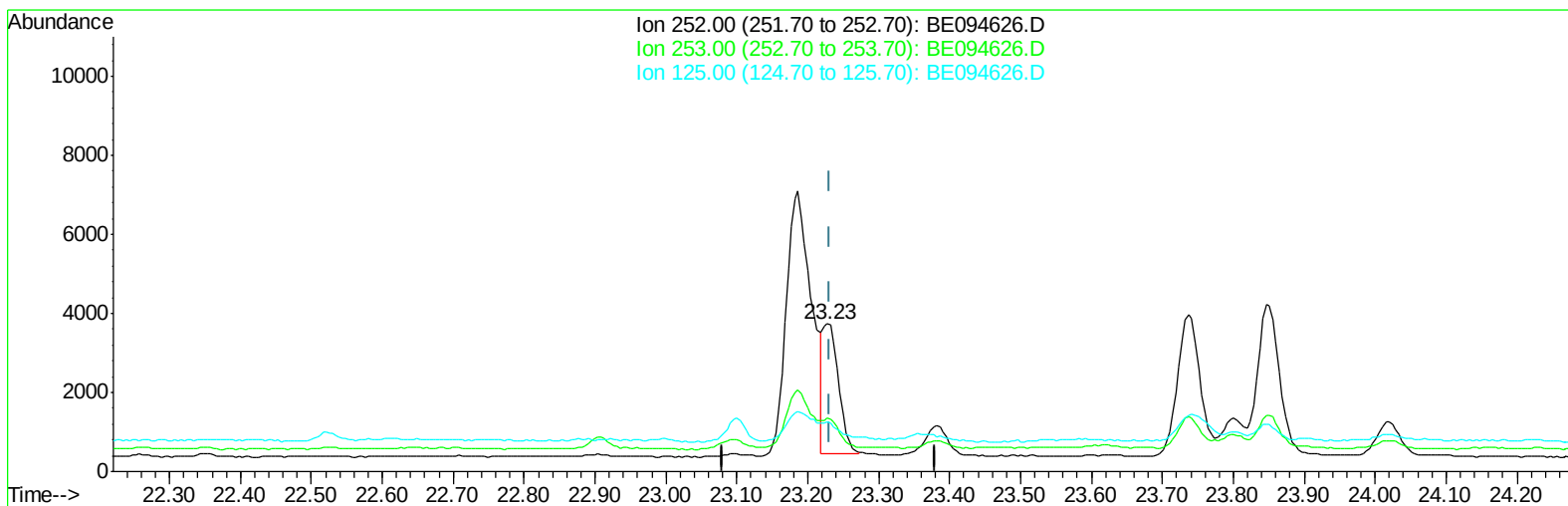
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094626.D
Acq On : 28 Oct 2017 17:08
Operator : SJ/JU
Sample : I5842-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AB8

Manual Integrations
APPROVED

Sohil
10/30/2017 6:40:08 PM

Quant Time: Oct 30 04:08:17 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 02:53:50 2017
Response via : Initial Calibration



TIC: BE094626.D

(22) Benzo(k)fluoranthene

23.227min (-0.004) 0.15ng/ul m

response 4991

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	36.43
125.00	17.10	33.52#
0.00	0.00	0.00

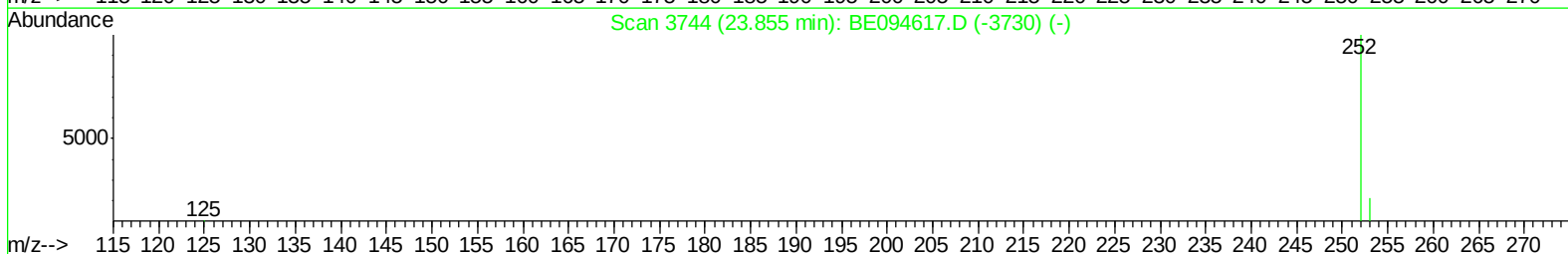
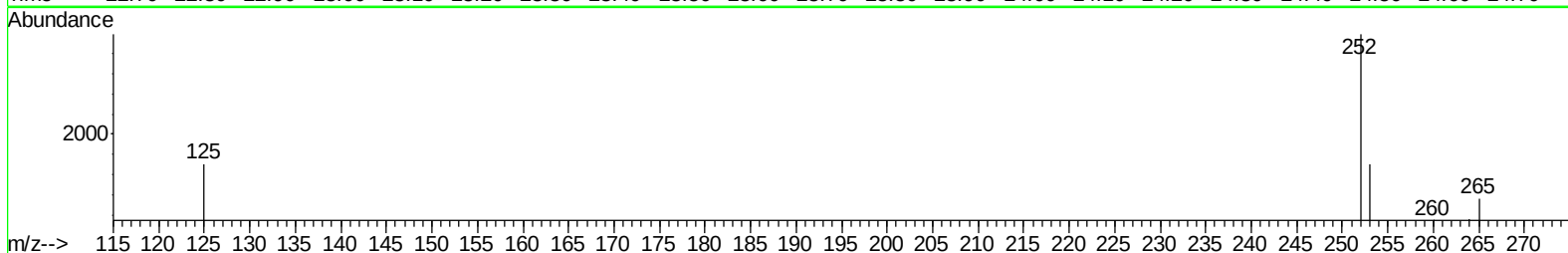
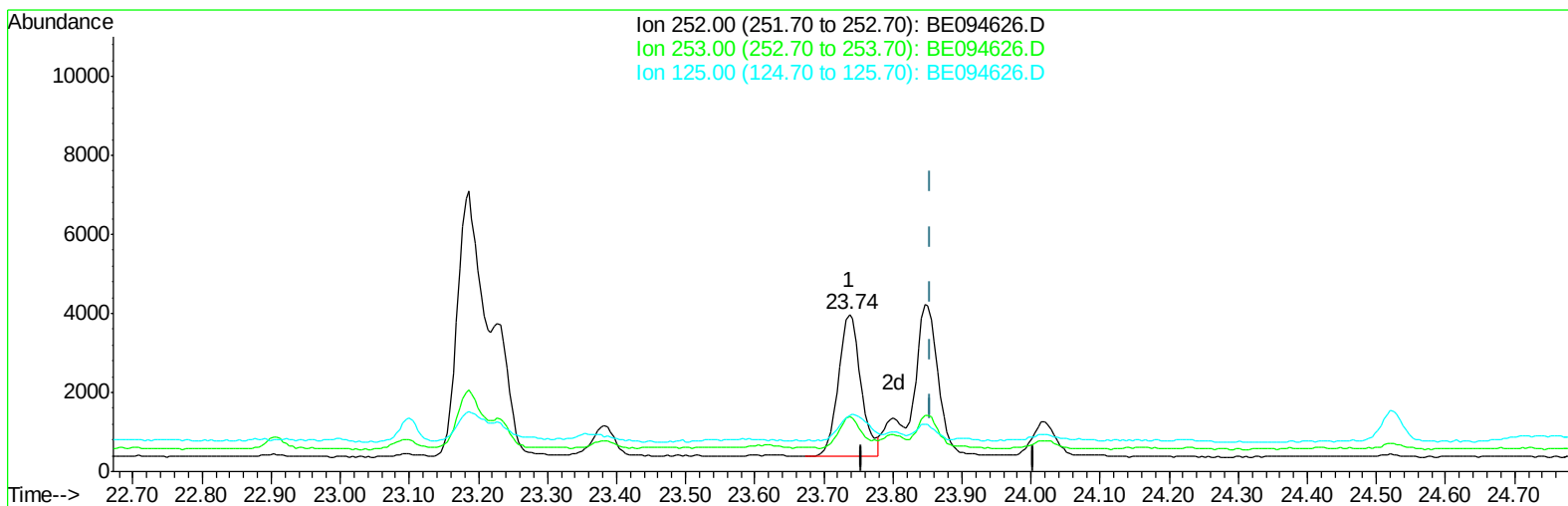
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094626.D
Acq On : 28 Oct 2017 17:08
Operator : SJ/JU
Sample : I5842-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AB8

Manual Integrations
APPROVED

Sohil
10/30/2017 6:40:08 PM

Quant Time: Oct 30 04:08:17 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
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Response via : Initial Calibration



TIC: BE094626.D

(23) Benzo(a)pyrene (C)

23.737min (-0.118) 0.27ng/ul

response 8128

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	35.00
125.00	22.60	35.30#
0.00	0.00	0.00

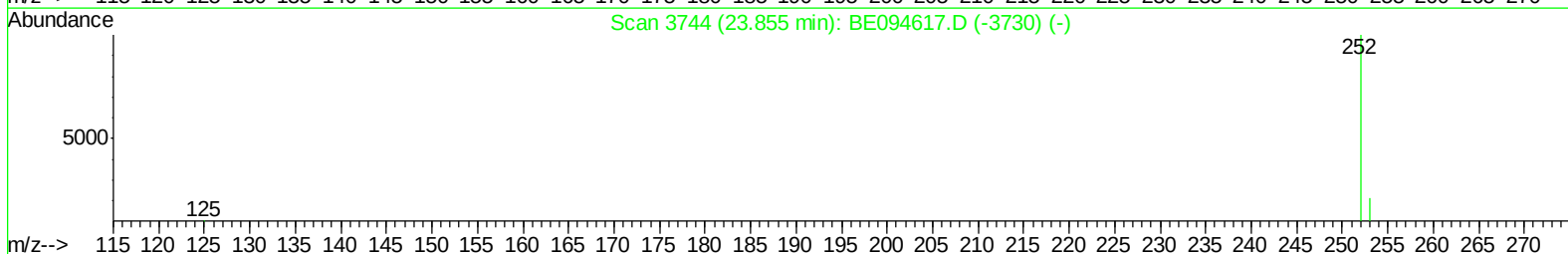
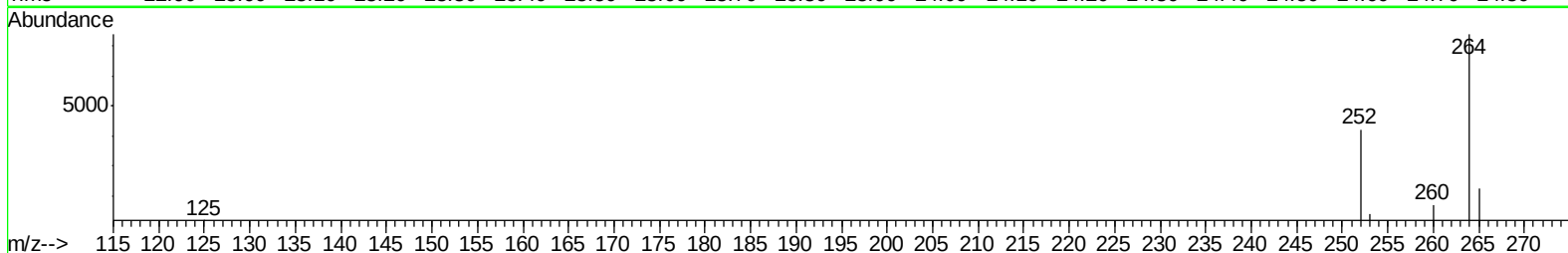
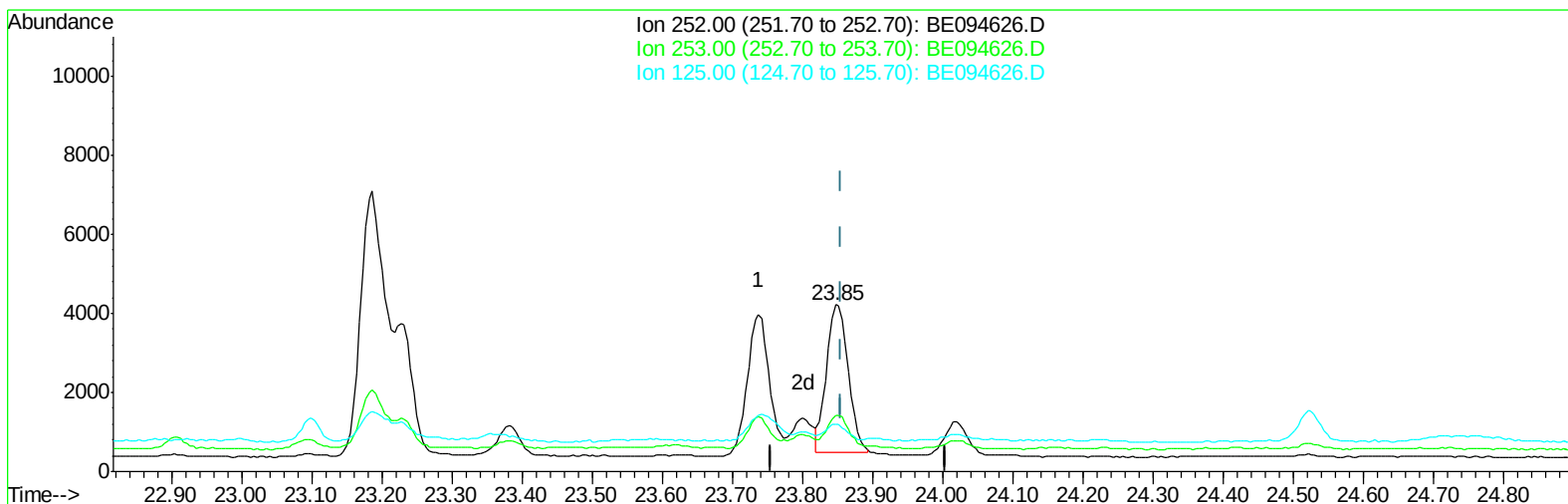
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094626.D
Acq On : 28 Oct 2017 17:08
Operator : SJ/JU
Sample : I5842-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AB8

Manual Integrations
APPROVED

Sohil
10/30/2017 6:40:08 PM

Quant Time: Oct 30 04:08:17 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
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Response via : Initial Calibration



TIC: BE094626.D

(23) Benzo(a)pyrene (C)

23.846min (-0.009) 0.26ng/ul m

response 7909

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	33.32
125.00	22.60	28.39#
0.00	0.00	0.00

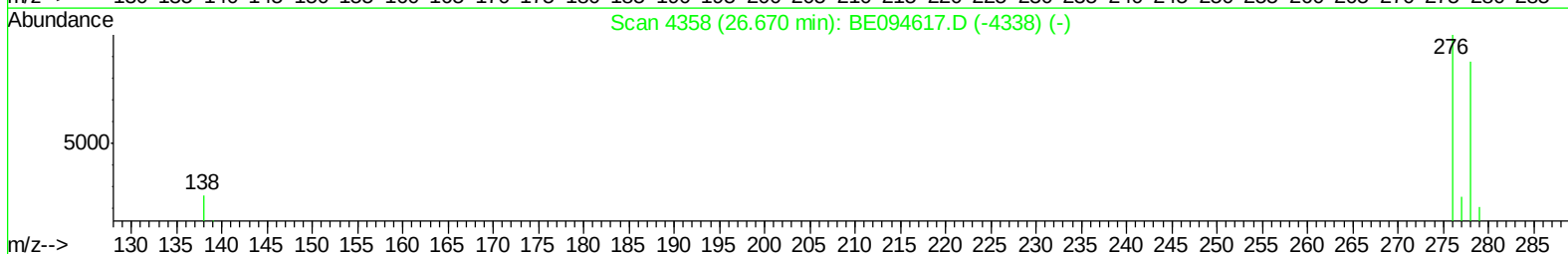
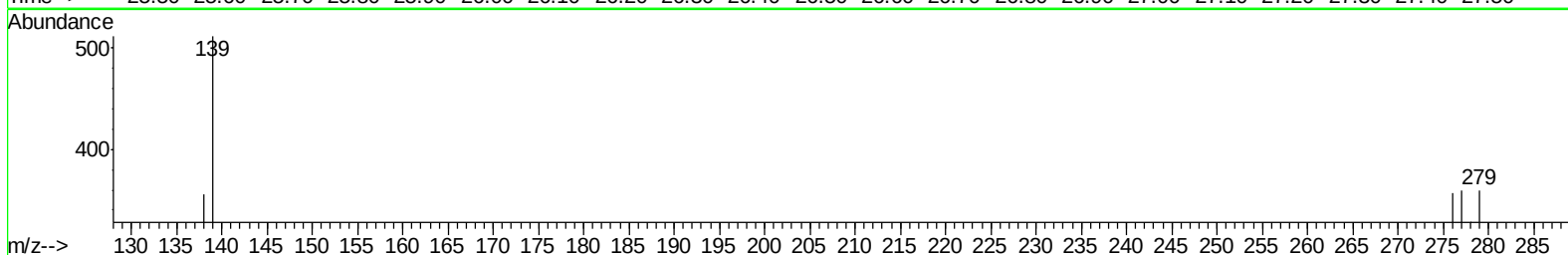
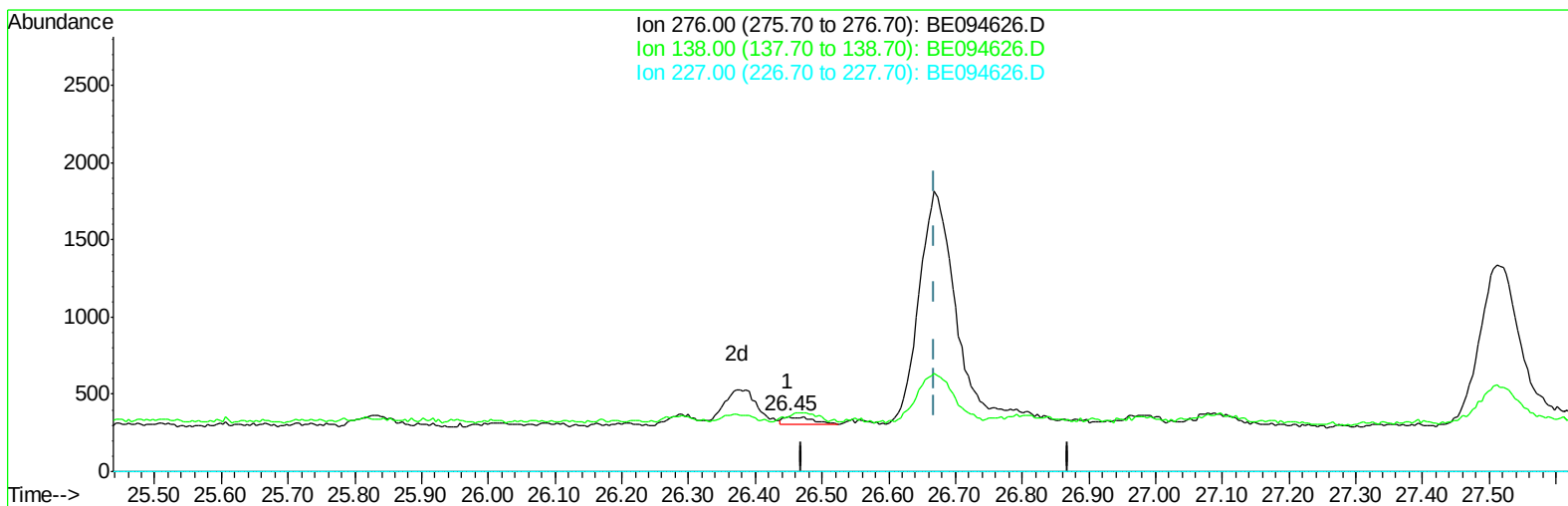
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094626.D
Acq On : 28 Oct 2017 17:08
Operator : SJ/JU
Sample : I5842-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AB8

Manual Integrations
APPROVED

Sohil
10/30/2017 6:40:08 PM

Quant Time: Oct 30 04:08:17 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 02:53:50 2017
Response via : Initial Calibration



TIC: BE094626.D

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

26.450min (-0.220) 0.00ng/ul

response 144

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	159.03#
227.00	10.00	0.00#
0.00	0.00	0.00

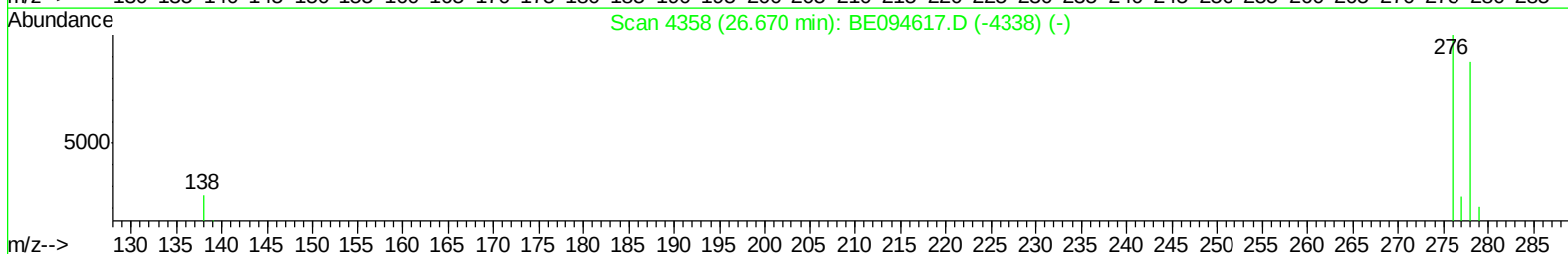
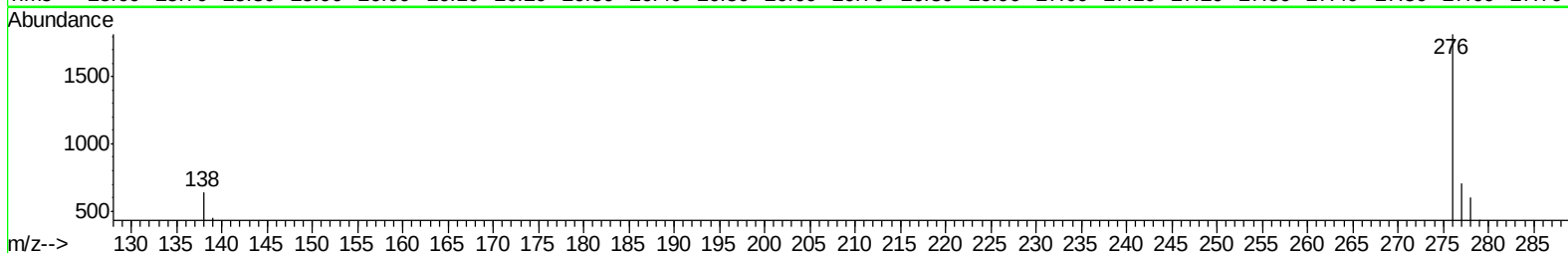
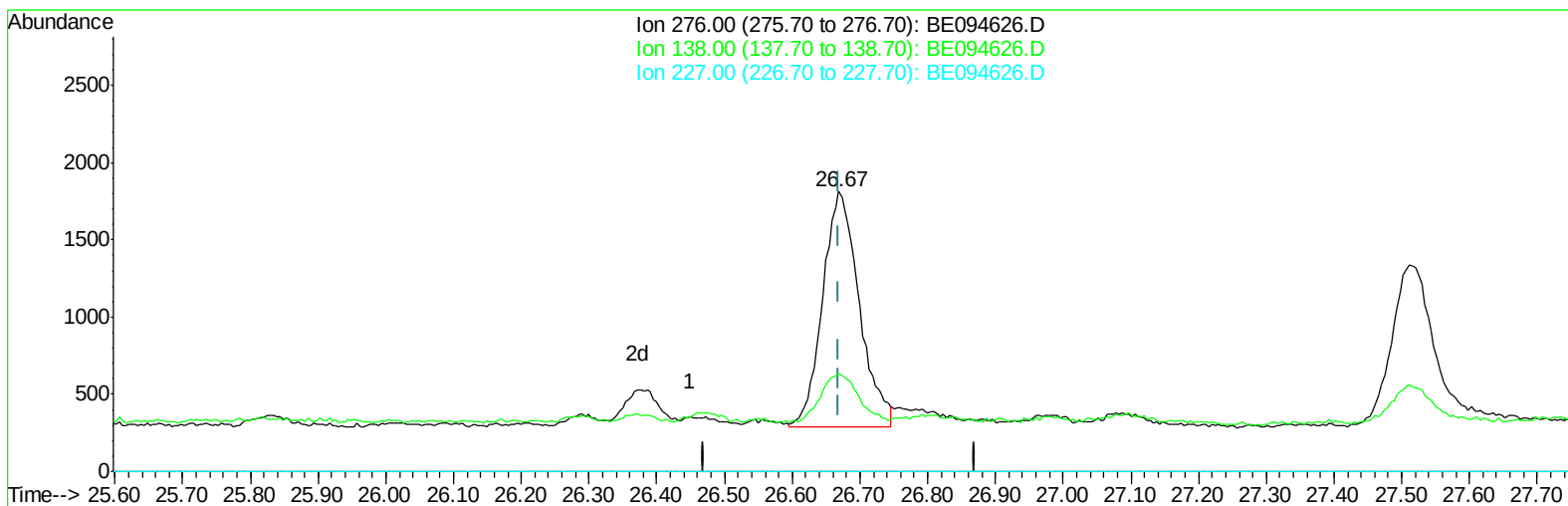
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094626.D
Acq On : 28 Oct 2017 17:08
Operator : SJ/JU
Sample : I5842-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AB8

Manual Integrations
APPROVED

Sohil
10/30/2017 6:40:08 PM

Quant Time: Oct 30 04:08:17 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 02:53:50 2017
Response via : Initial Calibration



TIC: BE094626.D

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

26.668min (-0.001) 0.18ng/ul m

response 5755

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	3.98#
227.00	10.00	0.00#
0.00	0.00	0.00

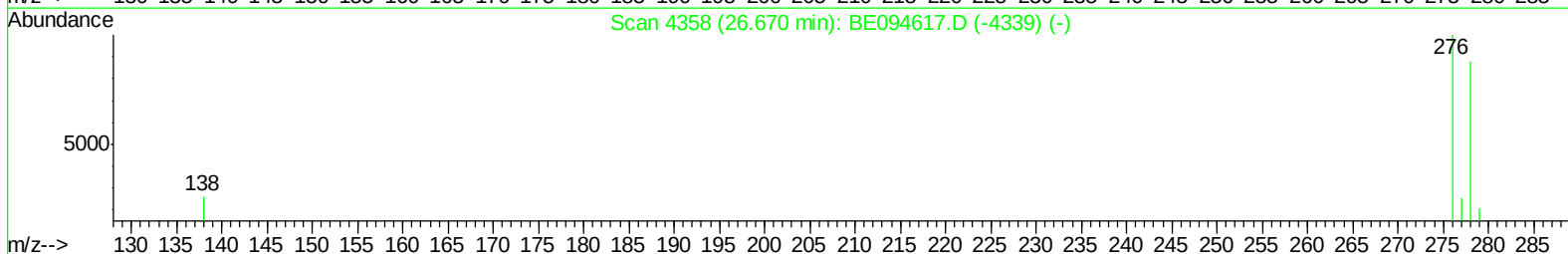
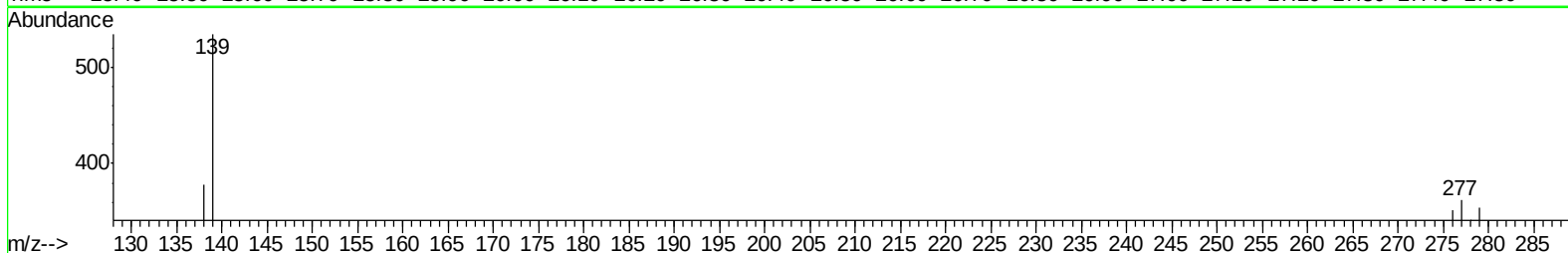
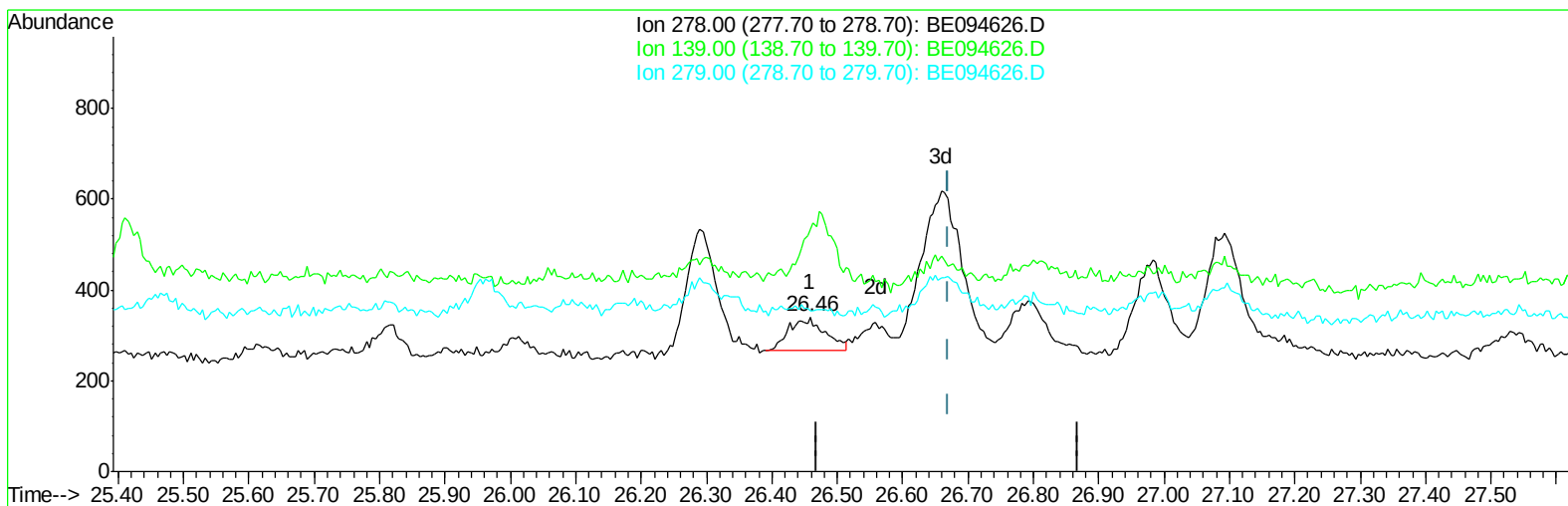
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094626.D
Acq On : 28 Oct 2017 17:08
Operator : SJ/JU
Sample : I5842-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AB8

Manual Integrations
APPROVED

Sohil
10/30/2017 6:40:08 PM

Quant Time: Oct 30 04:08:17 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 02:53:50 2017
Response via : Initial Calibration



TIC: BE094626.D

(25) Dibenzo(a,h)anthracene

26.459min (-0.211) 0.01ng/ul

response 273

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	156.60#
279.00	32.40	103.81#
0.00	0.00	0.00

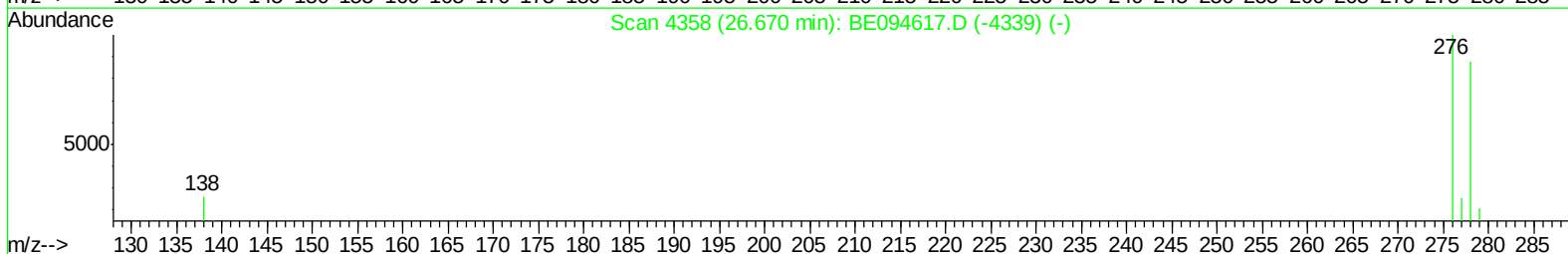
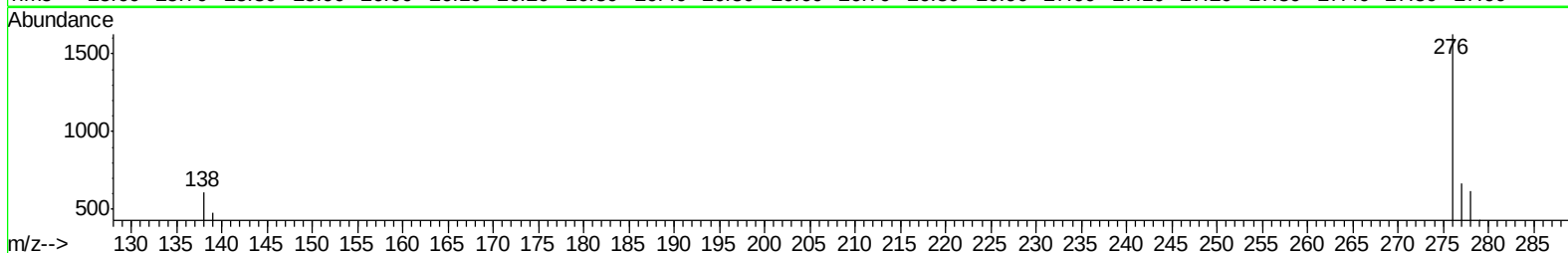
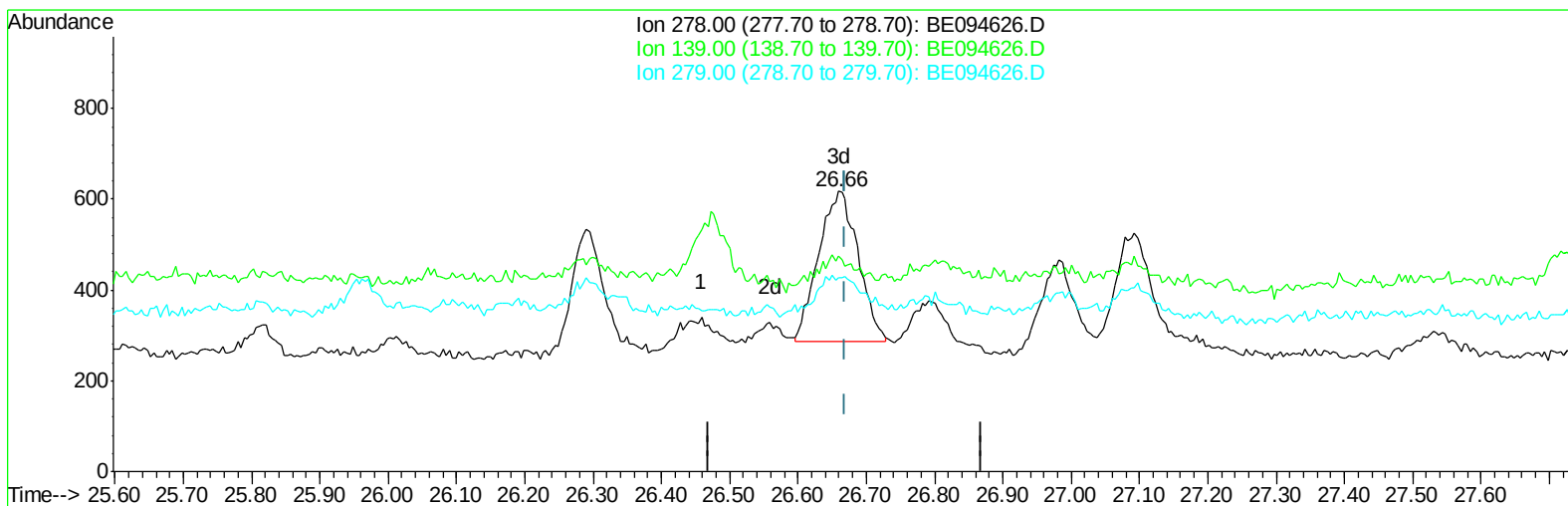
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094626.D
Acq On : 28 Oct 2017 17:08
Operator : SJ/JU
Sample : I5842-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
C0AB8

Manual Integrations
APPROVED

Sohil
10/30/2017 6:40:08 PM

Quant Time: Oct 30 04:08:17 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 02:53:50 2017
Response via : Initial Calibration



TIC: BE094626.D

(25) Dibenzo(a,h)anthracene

26.659min (-0.010) 0.05ng/ul m

response 1318

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	76.70#
279.00	32.40	69.26#
0.00	0.00	0.00

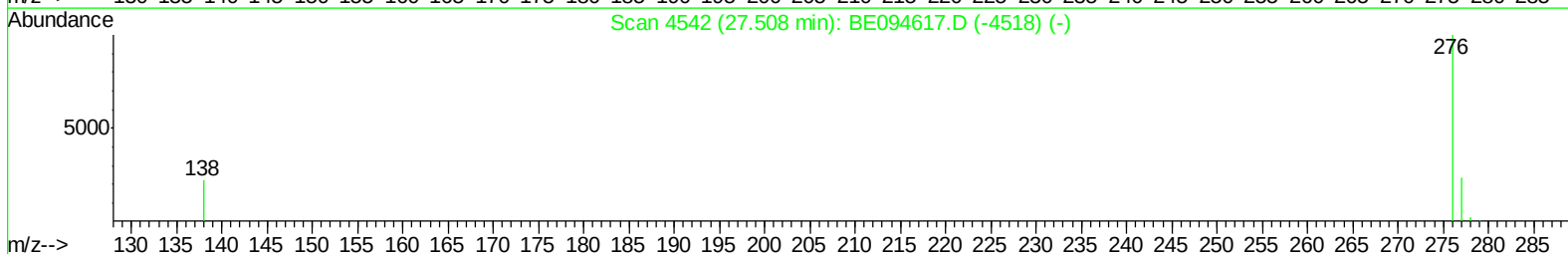
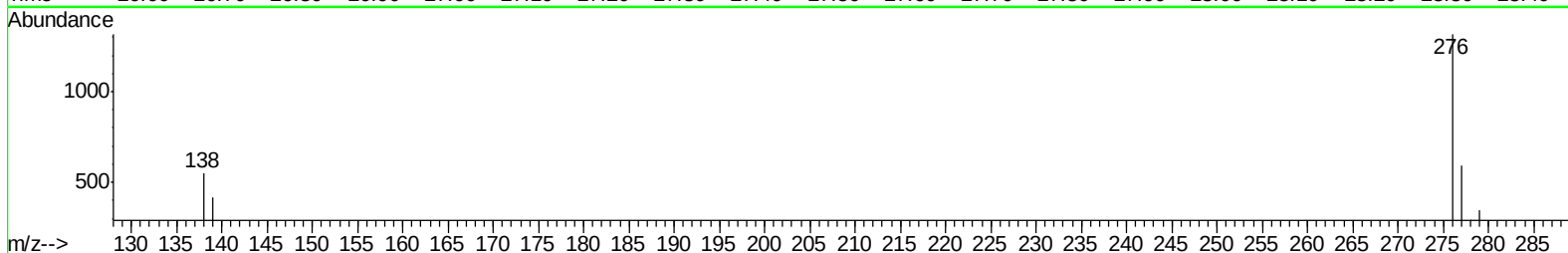
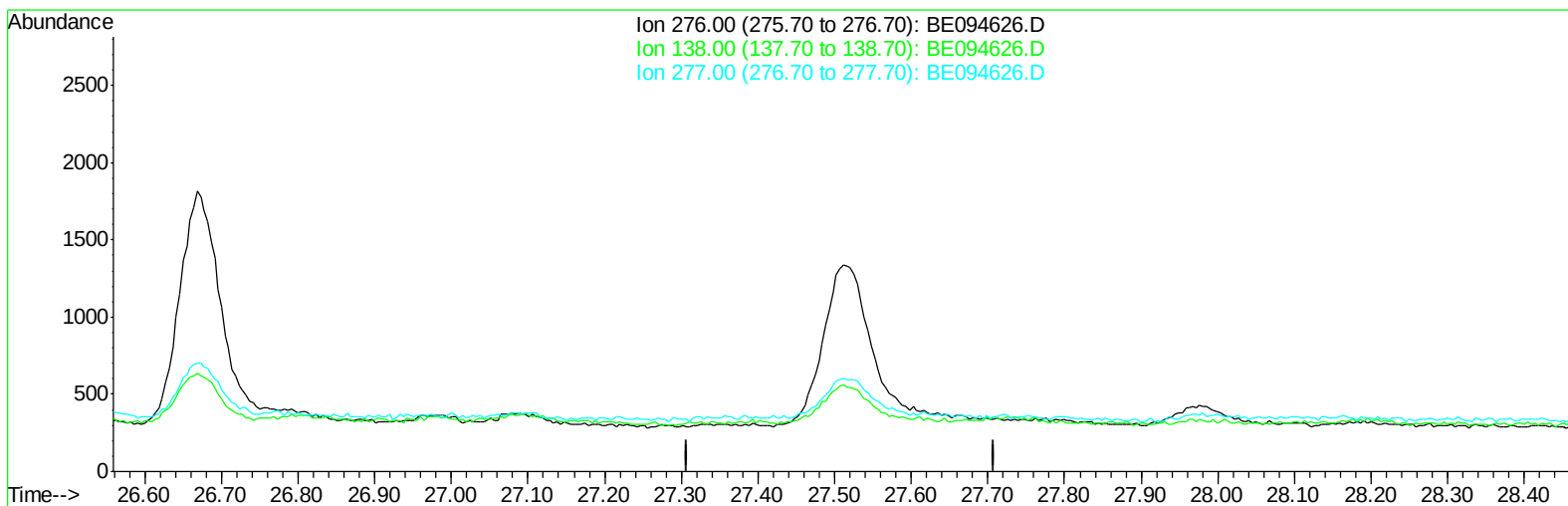
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094626.D
Acq On : 28 Oct 2017 17:08
Operator : SJ/JU
Sample : I5842-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AB8

Manual Integrations
APPROVED

Sohil
10/30/2017 6:40:08 PM

Quant Time: Oct 30 04:08:17 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



TIC: BE094626.D

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

27.508min (-27.508) 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

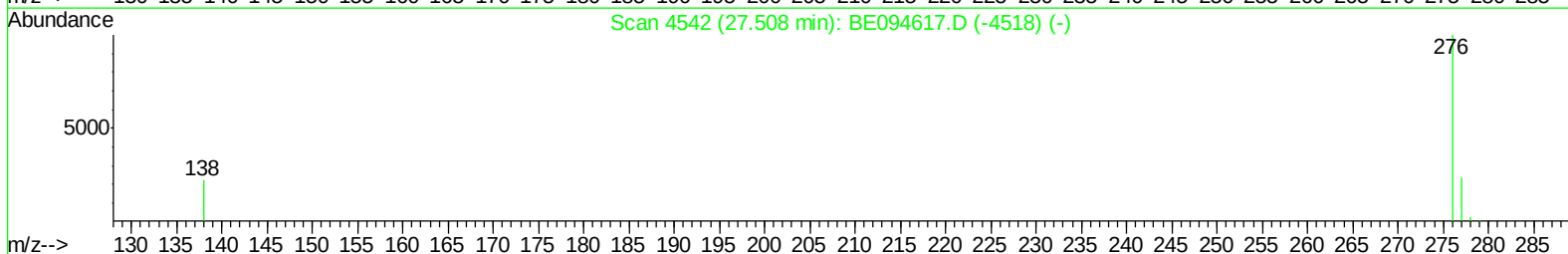
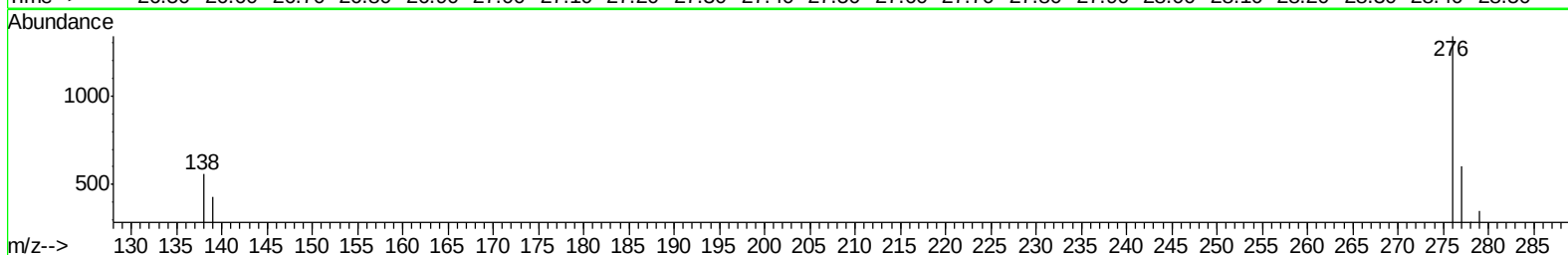
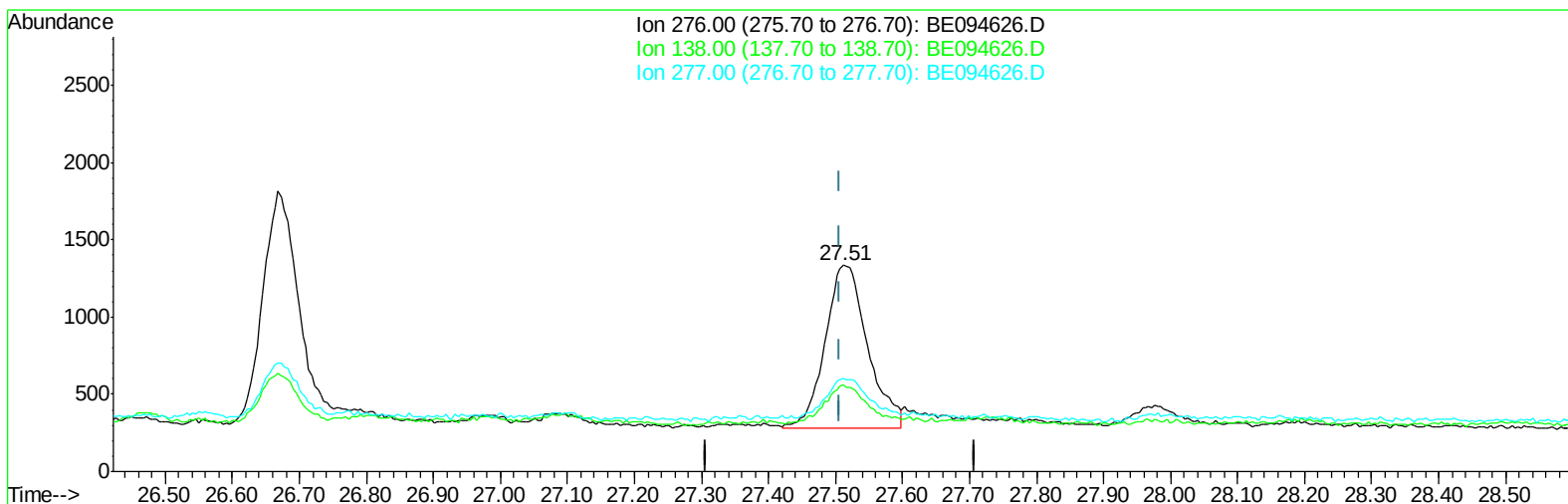
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094626.D
Acq On : 28 Oct 2017 17:08
Operator : SJ/JU
Sample : I5842-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AB8

Manual Integrations
APPROVED

Sohil
10/30/2017 6:40:08 PM

Quant Time: Oct 30 04:08:17 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



TIC: BE094626.D

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

27.511min (+0.003) 0.18ng/ul m

response 4656

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	41.90#
277.00	25.60	45.05#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
 Data File : BE094626.D
 Acq On : 28 Oct 2017 17:08
 Operator : SJ/JU
 Sample : I5842-19
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AB8

Manual Integrations
 APPROVED

Sohil
 10/30/2017 6:40:08 PM

Quant Time: Oct 30 04:10:17 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 30 02:53:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1552	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.69	136	8823	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	5029	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	10838	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	10300	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	10793m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	3452	0.24	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	8688	0.27	ng/ul	0.00
Target Compounds						
12) Phenanthrene	17.29	178	4836	0.17	ng/ul#	91
13) Anthracene	17.38	178	1100	0.04	ng/ul#	70
15) Fluoranthene	19.31	202	14329	0.43	ng/ul	84
17) Pyrene	19.67	202	17445	0.55	ng/ul#	82
18) Benzo(a)anthracene	21.41	228	6902	0.23	ng/ul#	89
19) Chrysene	21.46	228	10229	0.34	ng/ul#	87
21) Benzo(b)fluoranthene	23.19	252	15960m	0.53	ng/ul	
22) Benzo(k)fluoranthene	23.23	252	4991m	0.15	ng/ul	
23) Benzo(a)pyrene	23.85	252	7909m	0.26	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.67	276	5755m	0.18	ng/ul	
25) Dibenzo(a,h)anthracene	26.66	278	1318m	0.05	ng/ul	
26) Benzo(g,h,i)perylene	27.51	276	4656m	0.18	ng/ul	

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

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