

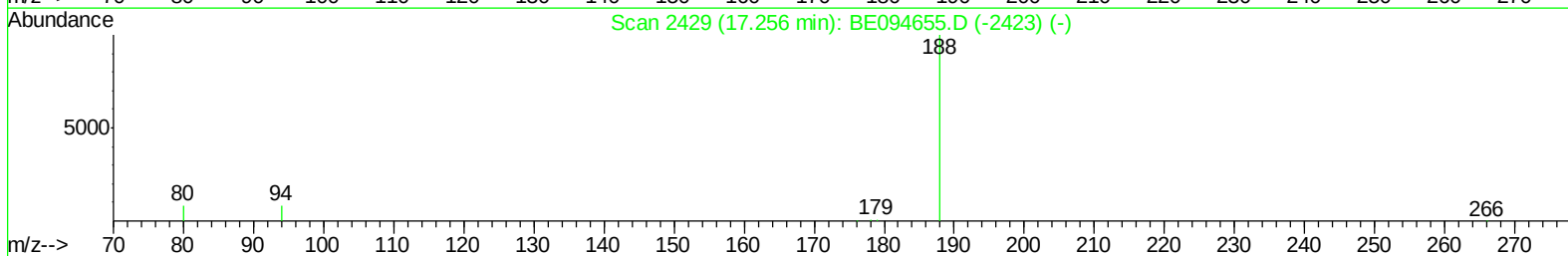
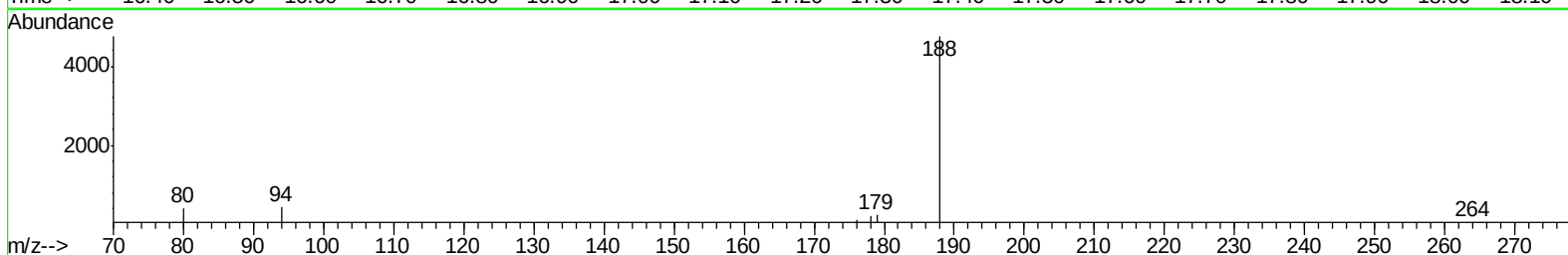
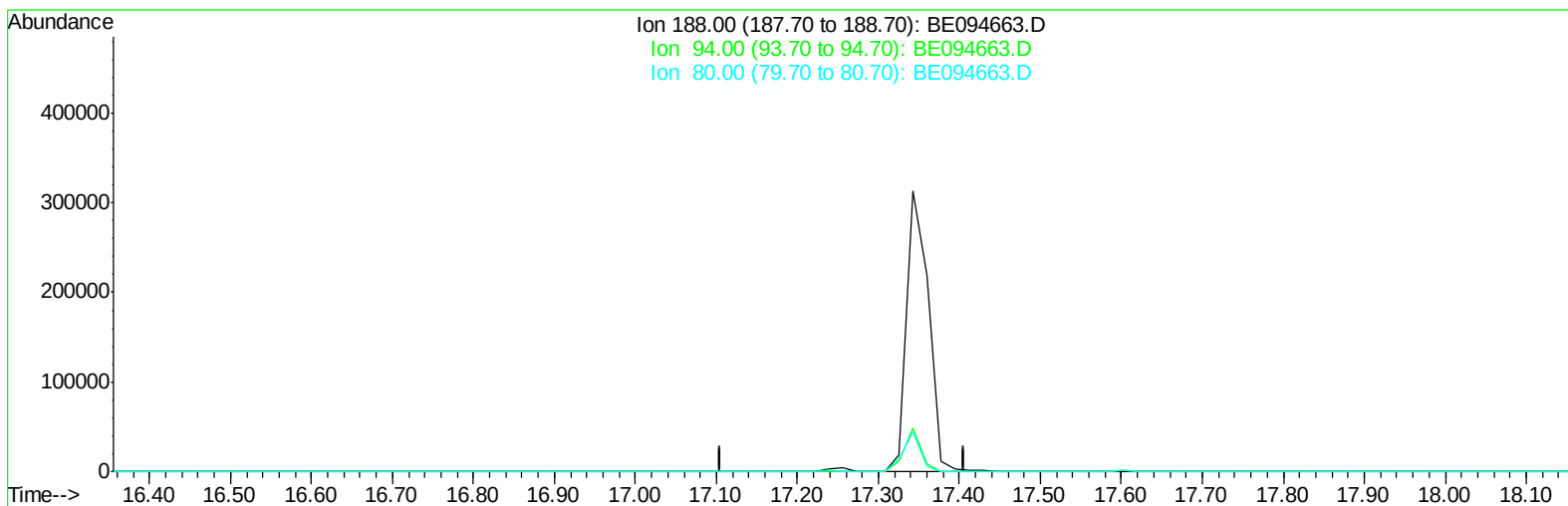
Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
Data File : BE094663.D
Acq On : 31 Oct 2017 18:15
Operator : SJ/JU
Sample : I5786-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-38(1-3)_100917

Manual Integrations
APPROVED

Sohil
11/1/2017 9:31:58 AM

Quant Time: Nov 01 01:47:27 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 01 01:43:26 2017
Response via : Initial Calibration



TIC: BE094663.D

(10) Phenanthrene-d10 (I)

17.256min (-17.256) 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

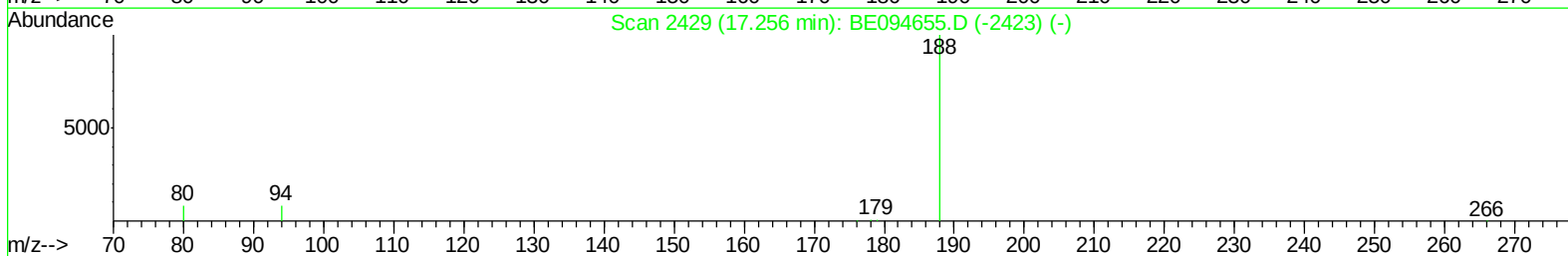
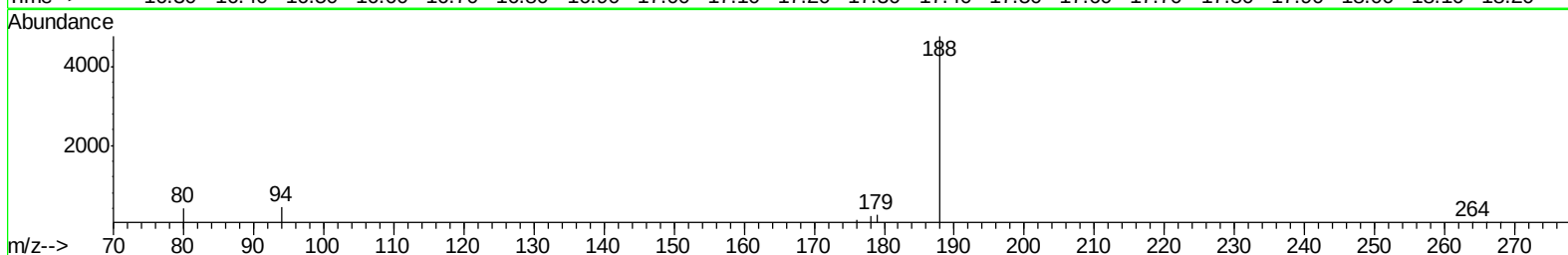
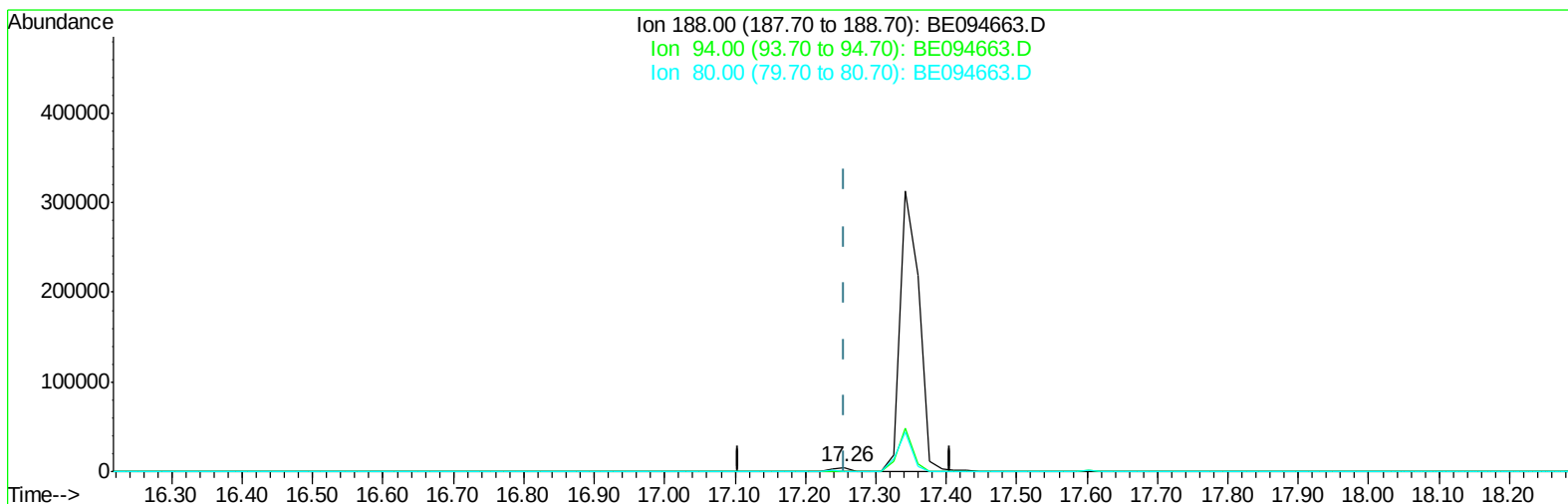
Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
Data File : BE094663.D
Acq On : 31 Oct 2017 18:15
Operator : SJ/JU
Sample : I5786-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-38(1-3)_100917

Manual Integrations
APPROVED

Sohil
11/1/2017 9:31:58 AM

Quant Time: Nov 01 01:47:27 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 01 01:43:26 2017
Response via : Initial Calibration



TIC: BE094663.D

(10) Phenanthrene-d10 (I)

17.256min (-0.001) 0.40ng/ul m

response 8533

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	9.33
80.00	11.80	8.70#
0.00	0.00	0.00

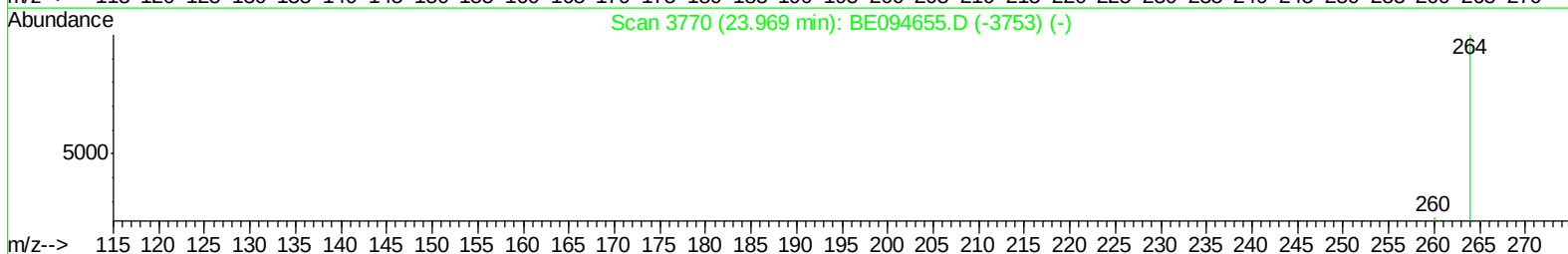
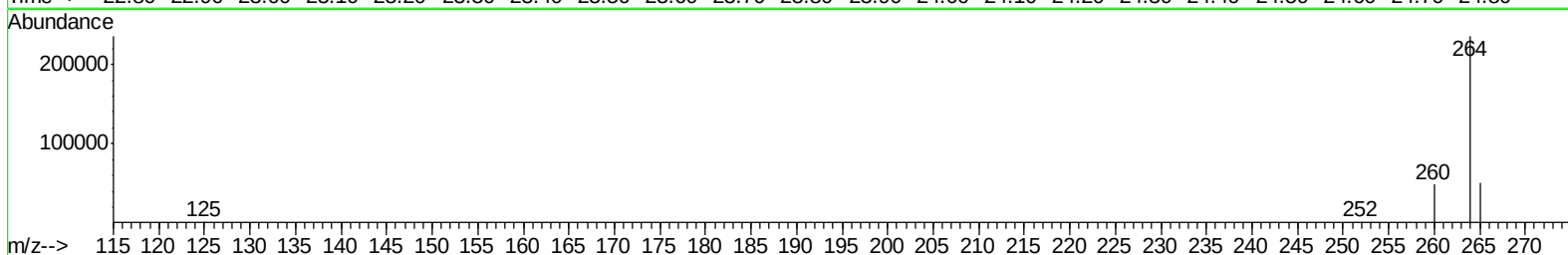
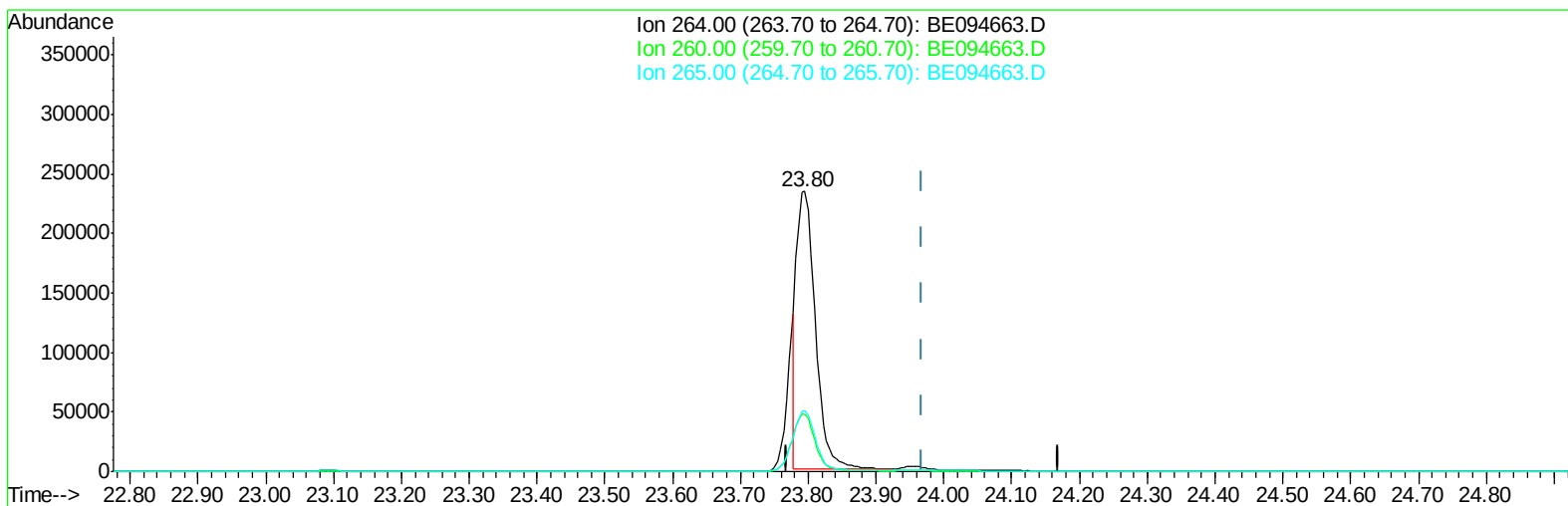
Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
Data File : BE094663.D
Acq On : 31 Oct 2017 18:15
Operator : SJ/JU
Sample : I5786-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-38(1-3)_100917

Manual Integrations
APPROVED

Sohil
11/1/2017 9:31:58 AM

Quant Time: Nov 01 02:45:01 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 01 01:43:26 2017
Response via : Initial Calibration



TIC: BE094663.D

(20) Perylene-d12 (I)

23.795min (-0.174) 0.40ng/ul

response 455134

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.68#
265.00	103.50	21.73#
0.00	0.00	0.00

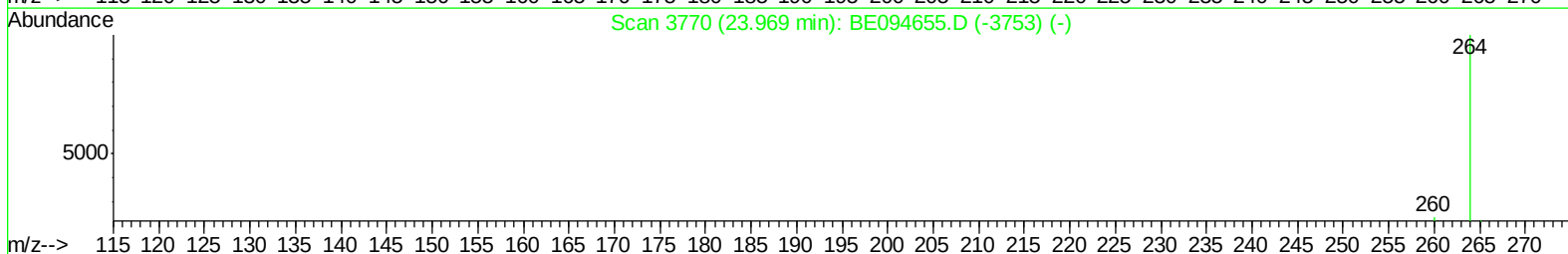
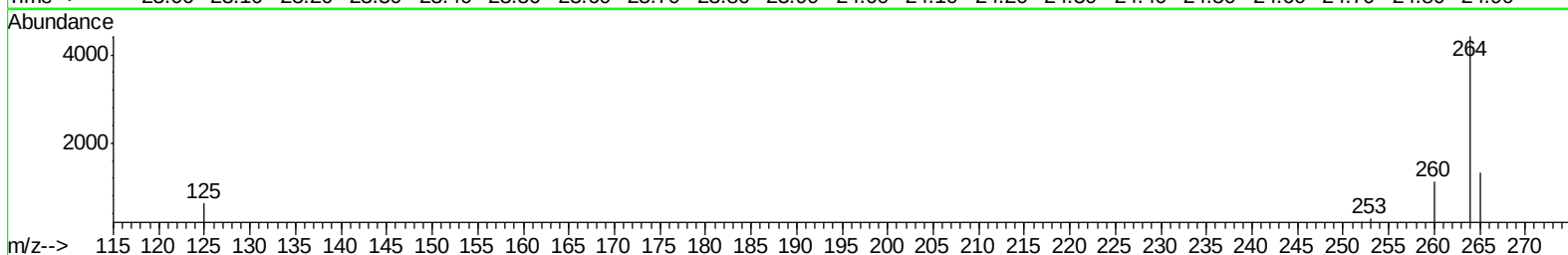
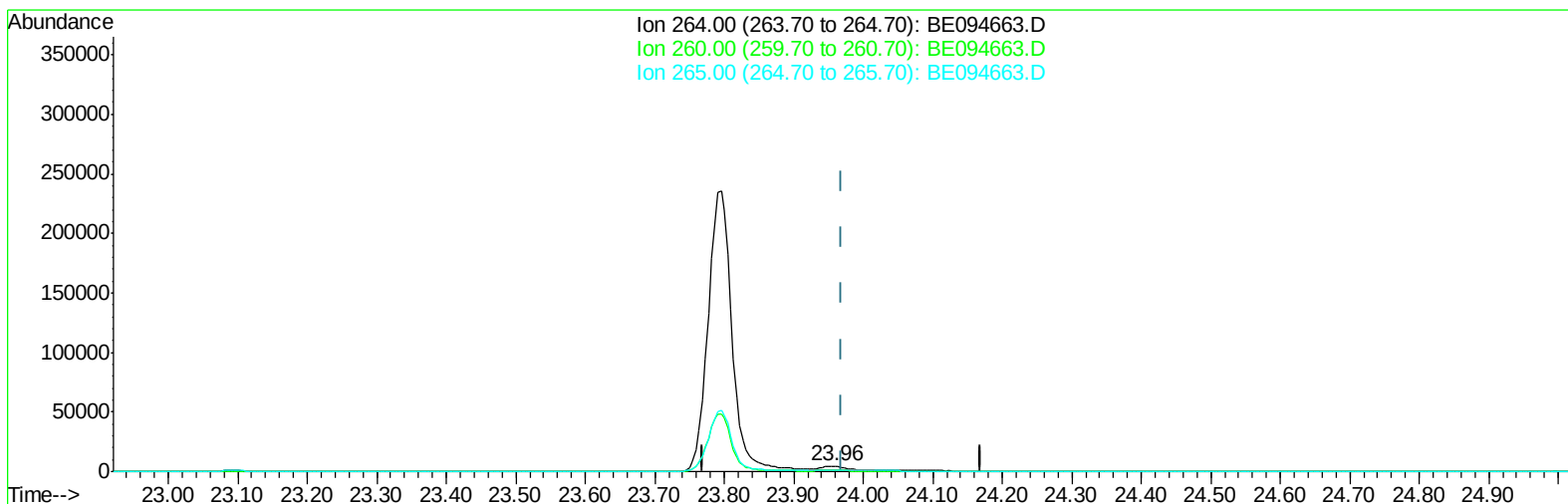
Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
Data File : BE094663.D
Acq On : 31 Oct 2017 18:15
Operator : SJ/JU
Sample : I5786-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-38(1-3)_100917

Manual Integrations
APPROVED

Sohil
11/1/2017 9:31:58 AM

Quant Time: Nov 01 02:45:01 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 01 01:43:26 2017
Response via : Initial Calibration



TIC: BE094663.D

(20) Perylene-d12 (I)

23.959min (-0.010) 0.40ng/ul m

response 10186

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	25.30
265.00	103.50	29.76#
0.00	0.00	0.00

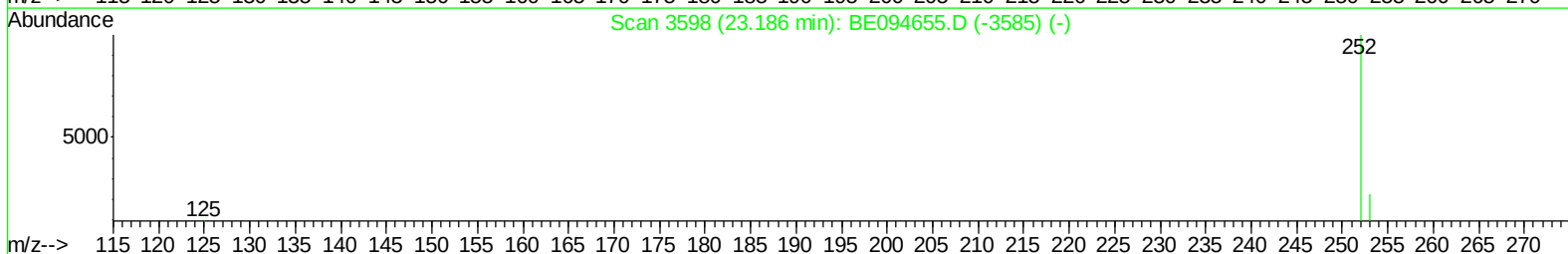
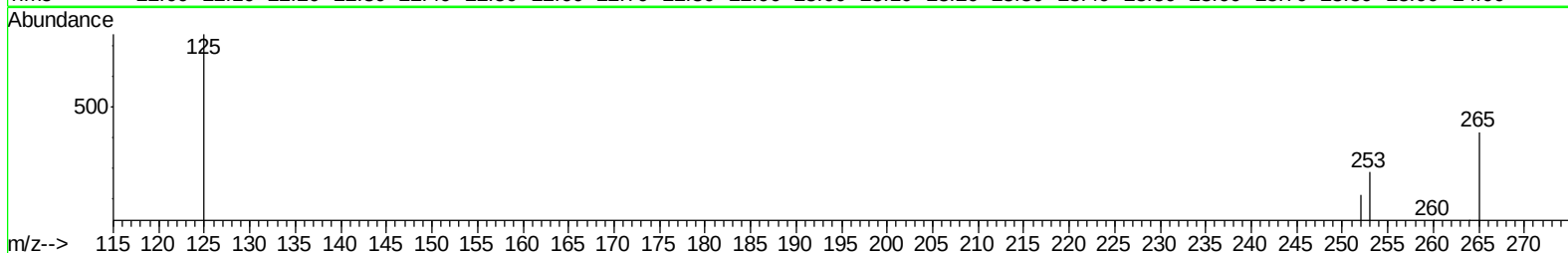
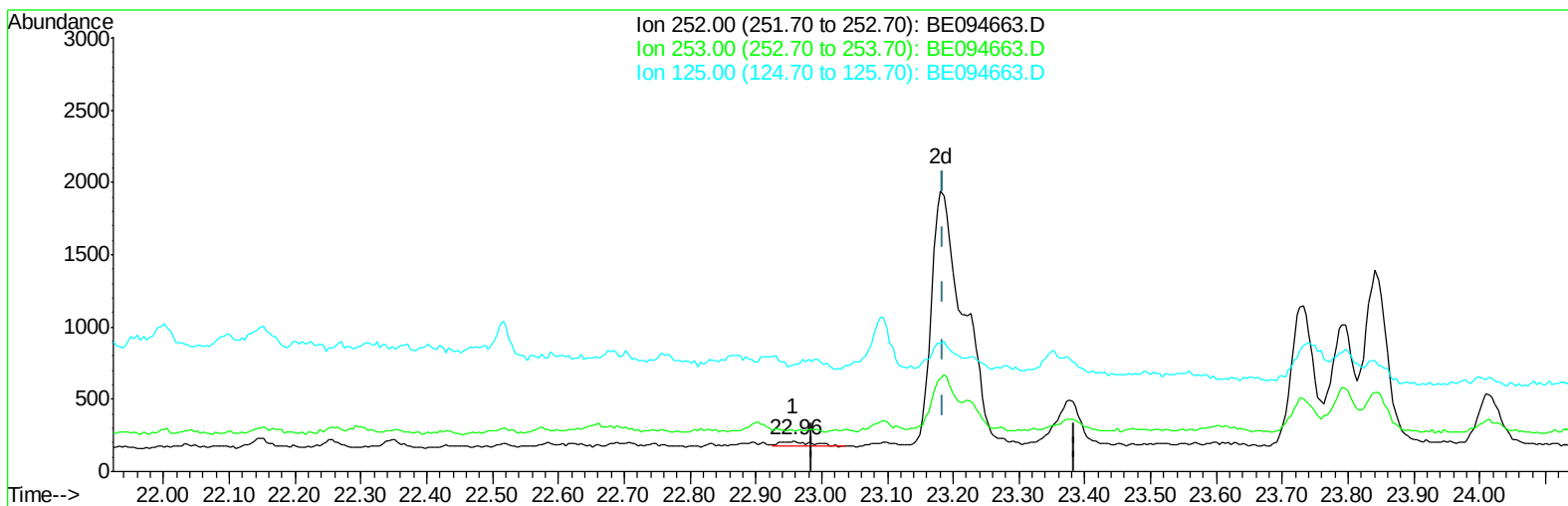
Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
Data File : BE094663.D
Acq On : 31 Oct 2017 18:15
Operator : SJ/JU
Sample : I5786-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-38(1-3)_100917

Manual Integrations
APPROVED

Sohil
11/1/2017 9:31:58 AM

Quant Time: Nov 01 02:46:41 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 01 01:43:26 2017
Response via : Initial Calibration



TIC: BE094663.D

(21) Benzo(b)fluoranthene

22.957min (-0.228) 0.00ng/ul

response 121

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	134.43#
125.00	17.50	348.11#
0.00	0.00	0.00

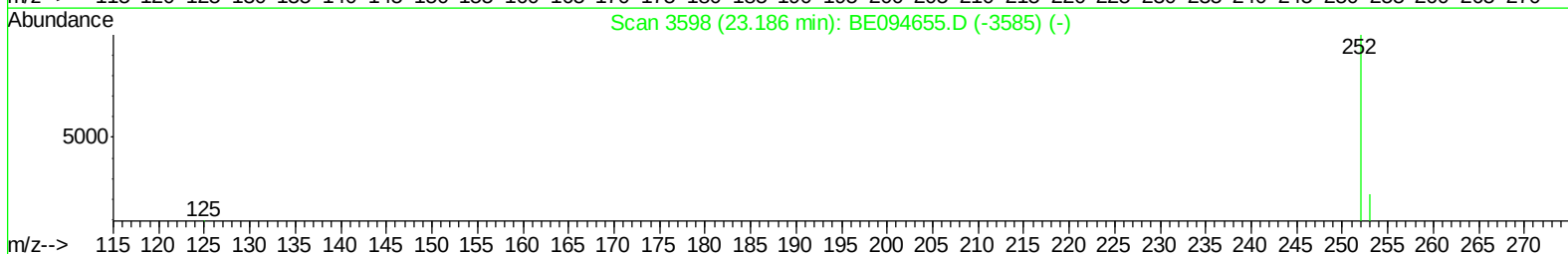
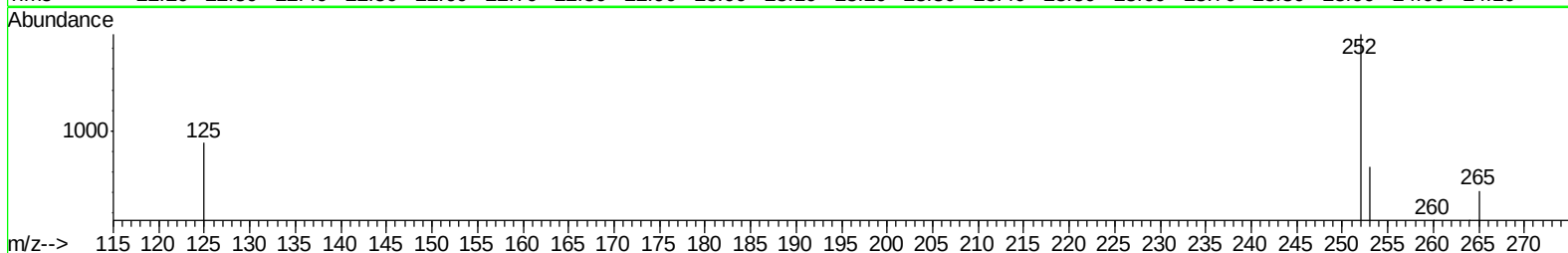
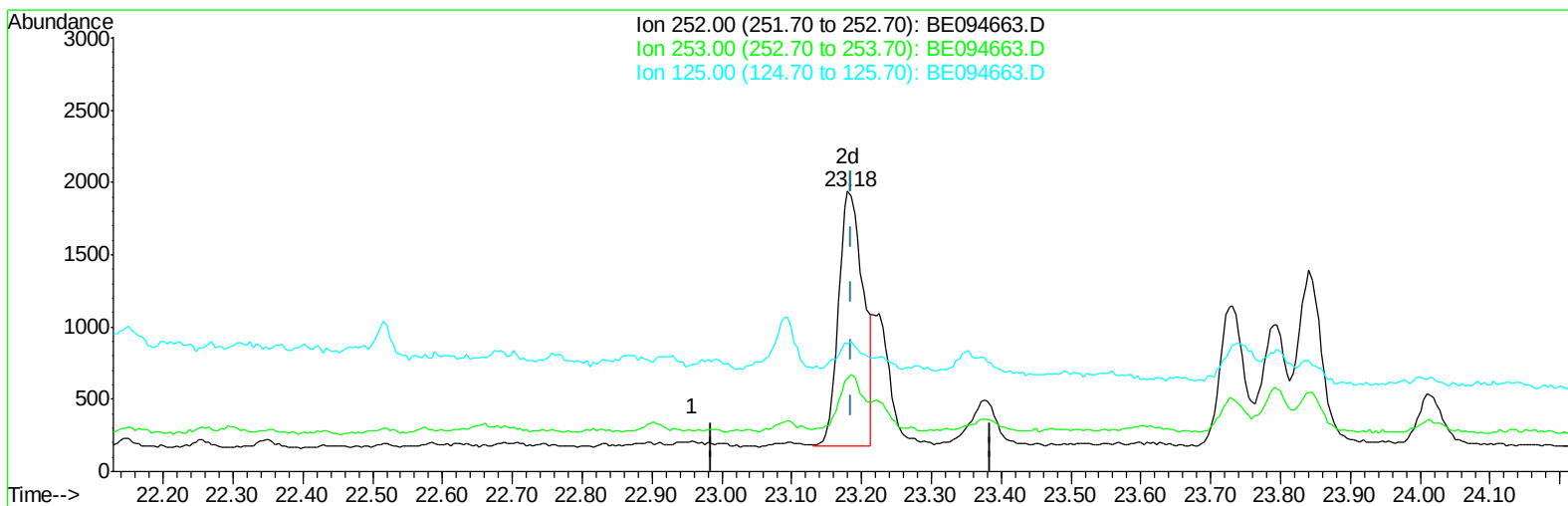
Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
Data File : BE094663.D
Acq On : 31 Oct 2017 18:15
Operator : SJ/JU
Sample : I5786-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-38(1-3)_100917

Manual Integrations
APPROVED

Sohil
11/1/2017 9:31:58 AM

Quant Time: Nov 01 02:46:41 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
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QLast Update : Wed Nov 01 01:43:26 2017
Response via : Initial Calibration



TIC: BE094663.D

(21) Benzo(b)fluoranthene

23.181min (-0.005) 0.15ng/ul m

response 4360

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	33.38
125.00	17.50	45.44#
0.00	0.00	0.00

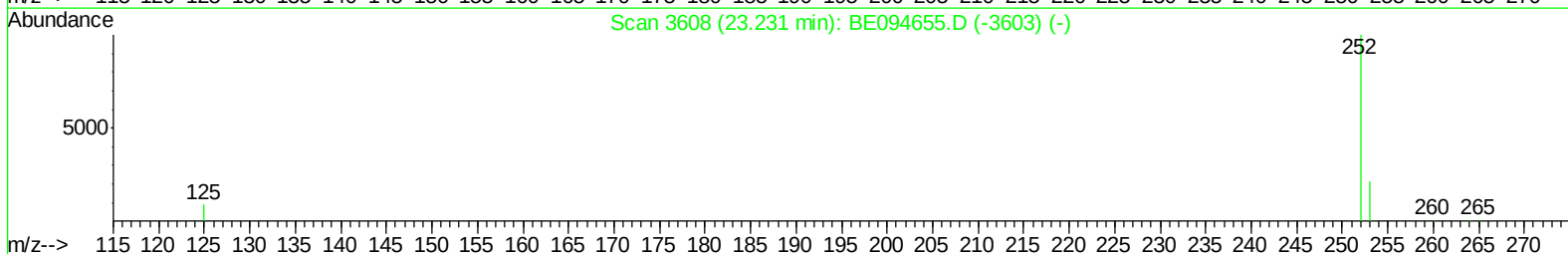
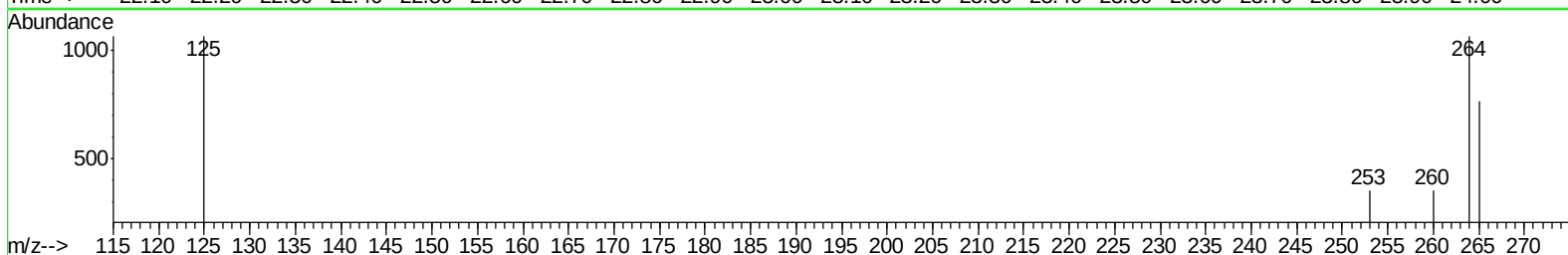
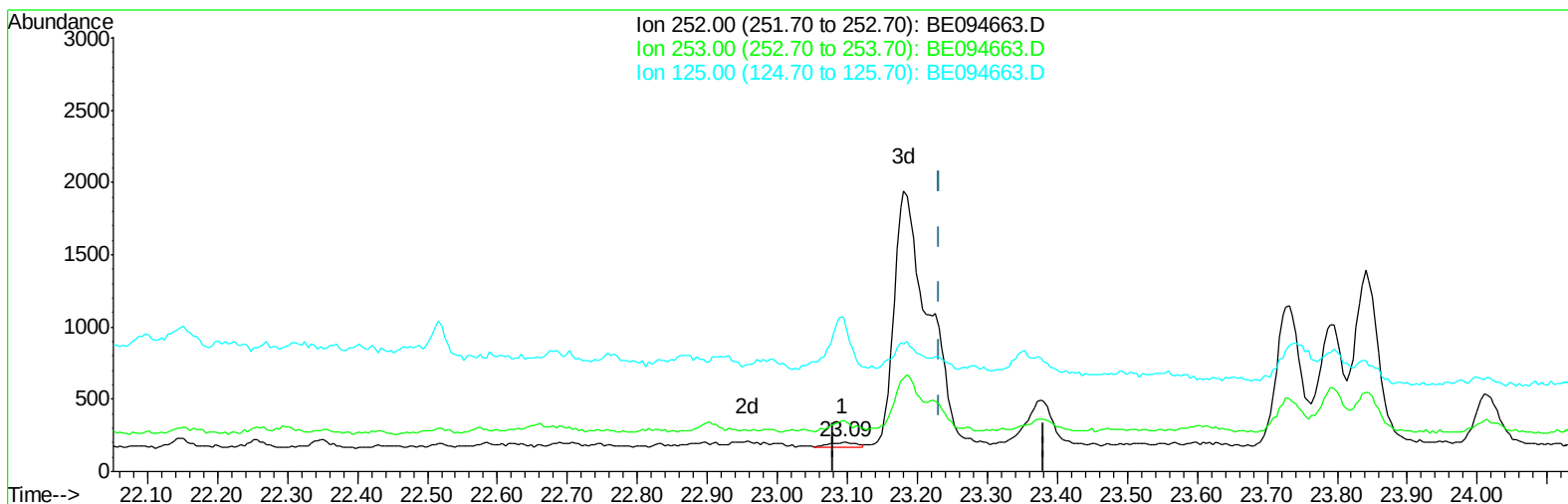
Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
Data File : BE094663.D
Acq On : 31 Oct 2017 18:15
Operator : SJ/JU
Sample : I5786-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-38(1-3)_100917

Manual Integrations
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Sohil
11/1/2017 9:31:58 AM

Quant Time: Nov 01 02:46:41 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 01 01:43:26 2017
Response via : Initial Calibration



TIC: BE094663.D

(22) Benzo(k)fluoranthene
23.094min (-0.137) 0.00ng/ul
response 97

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	171.98#
125.00	17.10	514.01#
0.00	0.00	0.00

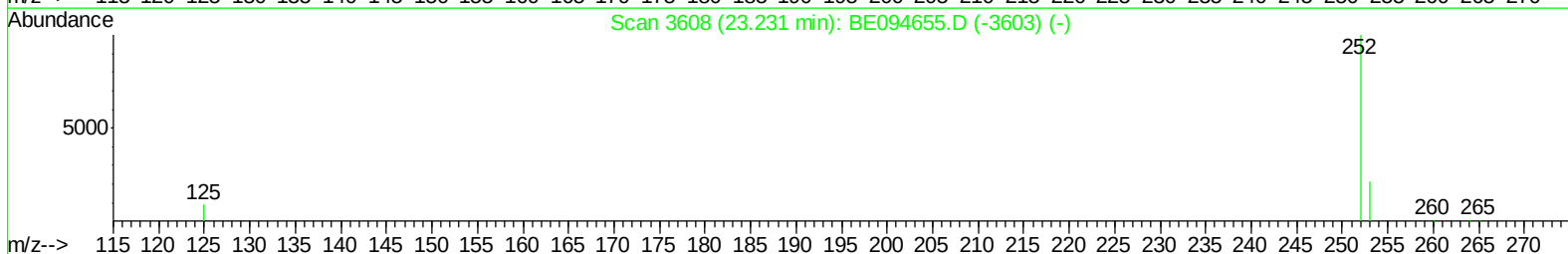
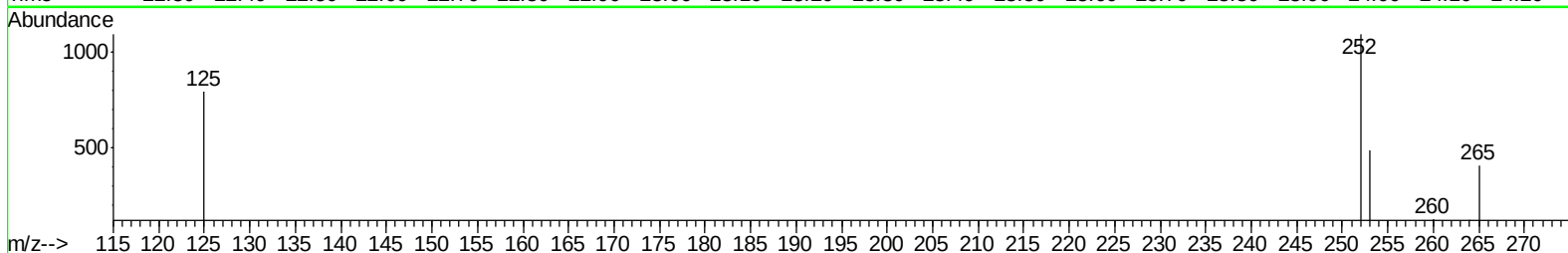
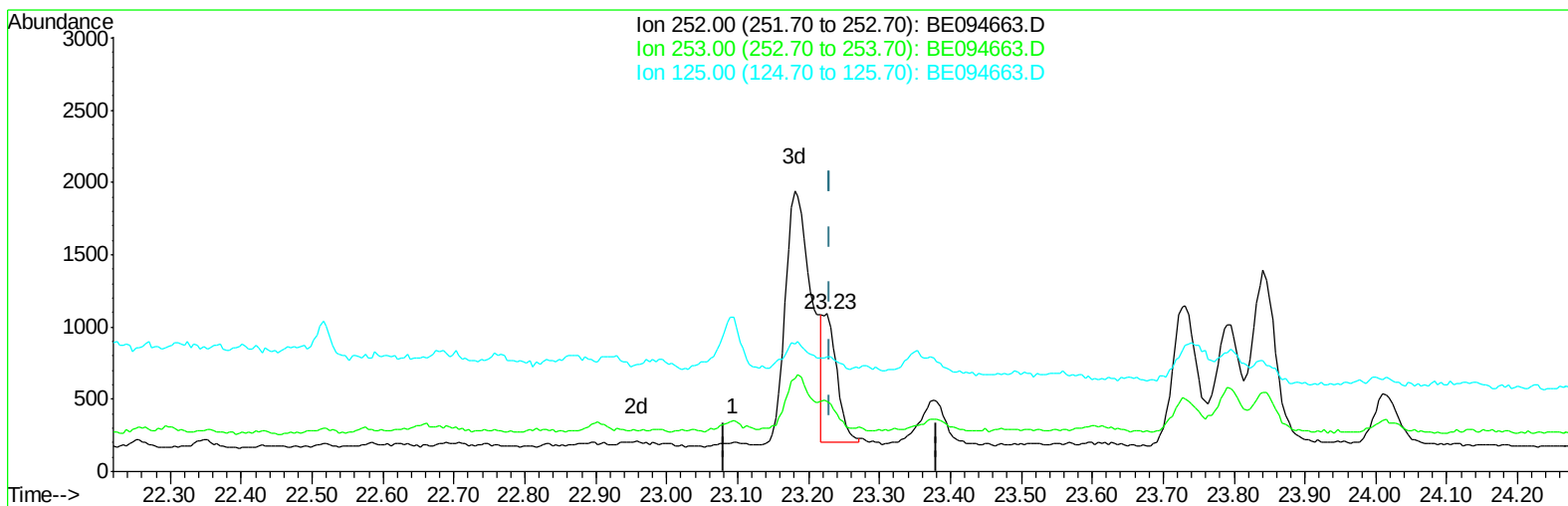
Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
Data File : BE094663.D
Acq On : 31 Oct 2017 18:15
Operator : SJ/JU
Sample : I5786-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-38(1-3)_100917

Manual Integrations
APPROVED

Sohil
11/1/2017 9:31:58 AM

Quant Time: Nov 01 02:46:41 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
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QLast Update : Wed Nov 01 01:43:26 2017
Response via : Initial Calibration



TIC: BE094663.D

(22) Benzo(k)fluoranthene

23.226min (-0.005) 0.04ng/ul m

response 1219

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	44.32#
125.00	17.10	72.62#
0.00	0.00	0.00

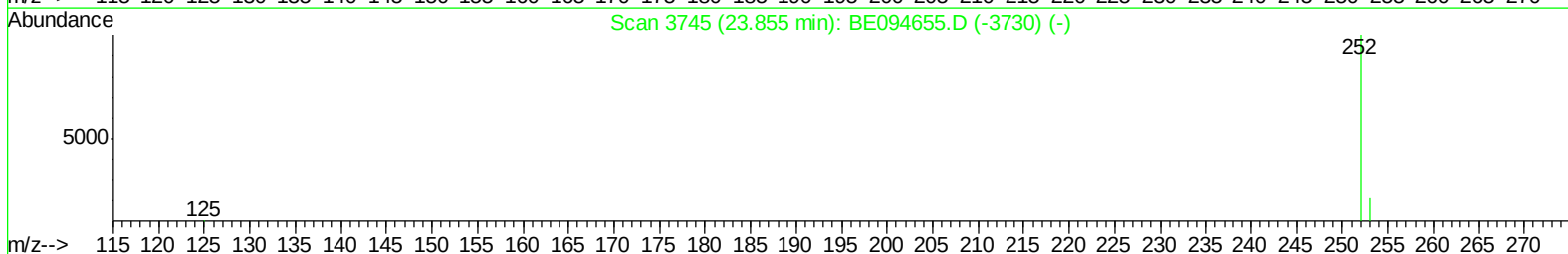
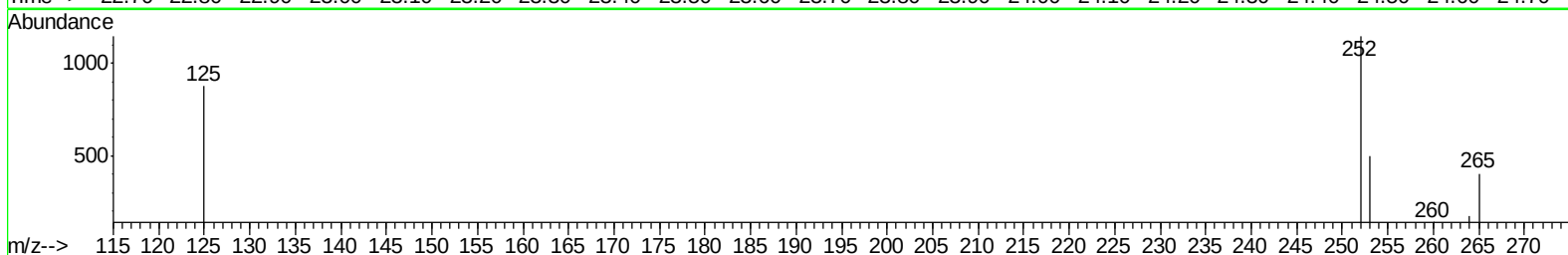
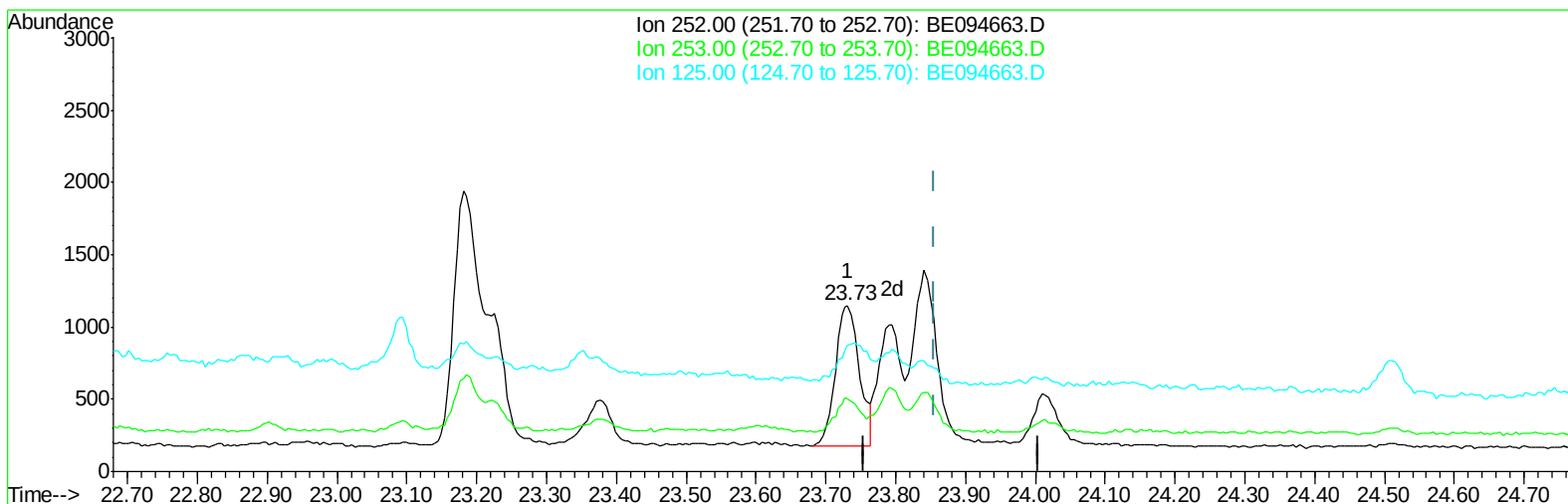
Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
Data File : BE094663.D
Acq On : 31 Oct 2017 18:15
Operator : SJ/JU
Sample : I5786-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-38(1-3)_100917

Manual Integrations
APPROVED

Sohil
11/1/2017 9:31:58 AM

Quant Time: Nov 01 02:46:41 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 01 01:43:26 2017
Response via : Initial Calibration



TIC: BE094663.D

(23) Benzo(a)pyrene (C)

23.732min (-0.123) 0.08ng/ul

response 2361

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	43.47#
125.00	22.60	76.22#
0.00	0.00	0.00

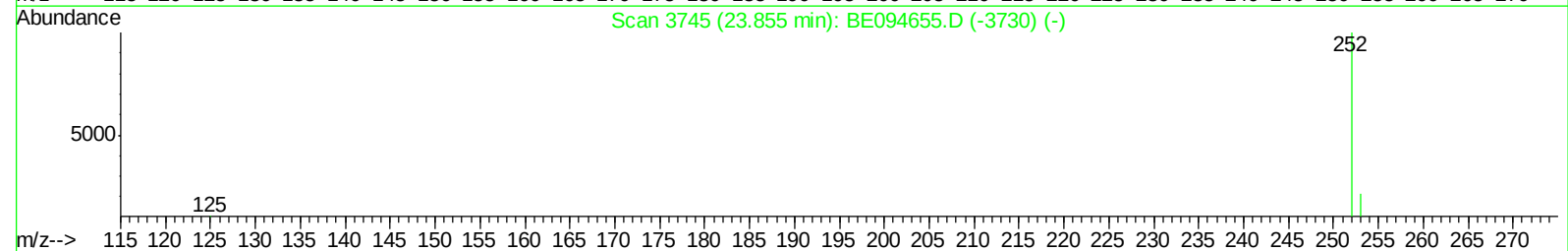
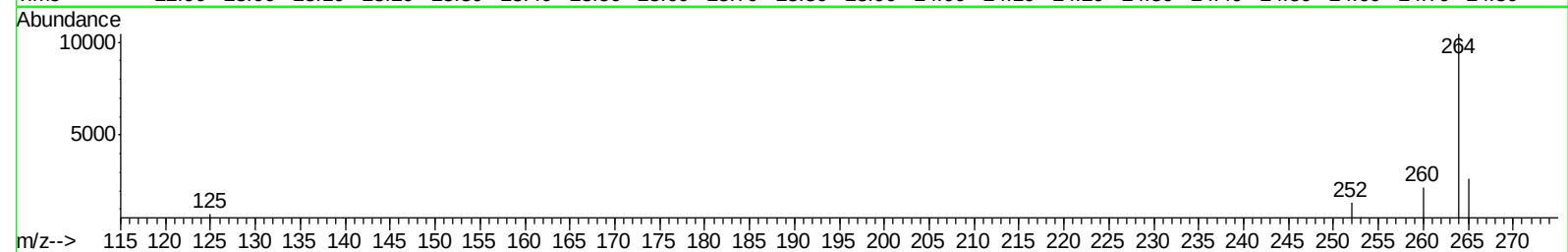
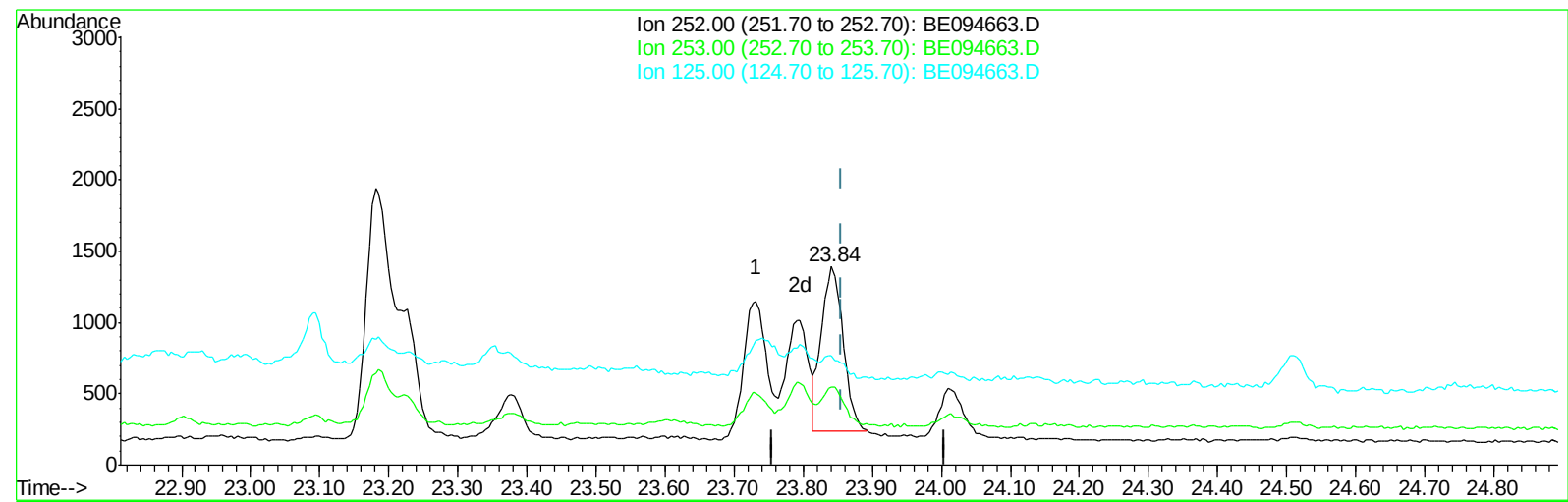
Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
Data File : BE094663.D
Acq On : 31 Oct 2017 18:15
Operator : SJ/JU
Sample : I5786-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-38(1-3)_100917

Manual Integrations
APPROVED

Sohil
11/1/2017 9:31:58 AM

Quant Time: Nov 01 02:46:41 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
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TIC: BE094663.D

(23) Benzo(a)pyrene (C)

23.841min (-0.014) 0.09ng/ul m

response 2545

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	39.01
125.00	22.60	55.24#
0.00	0.00	0.00

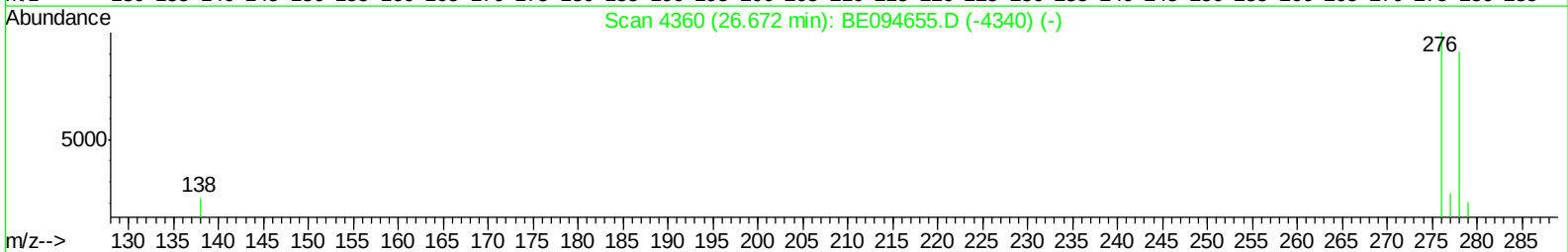
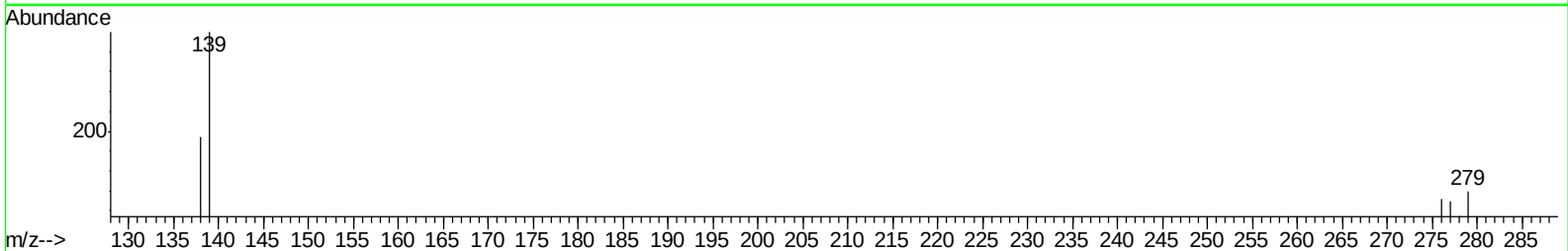
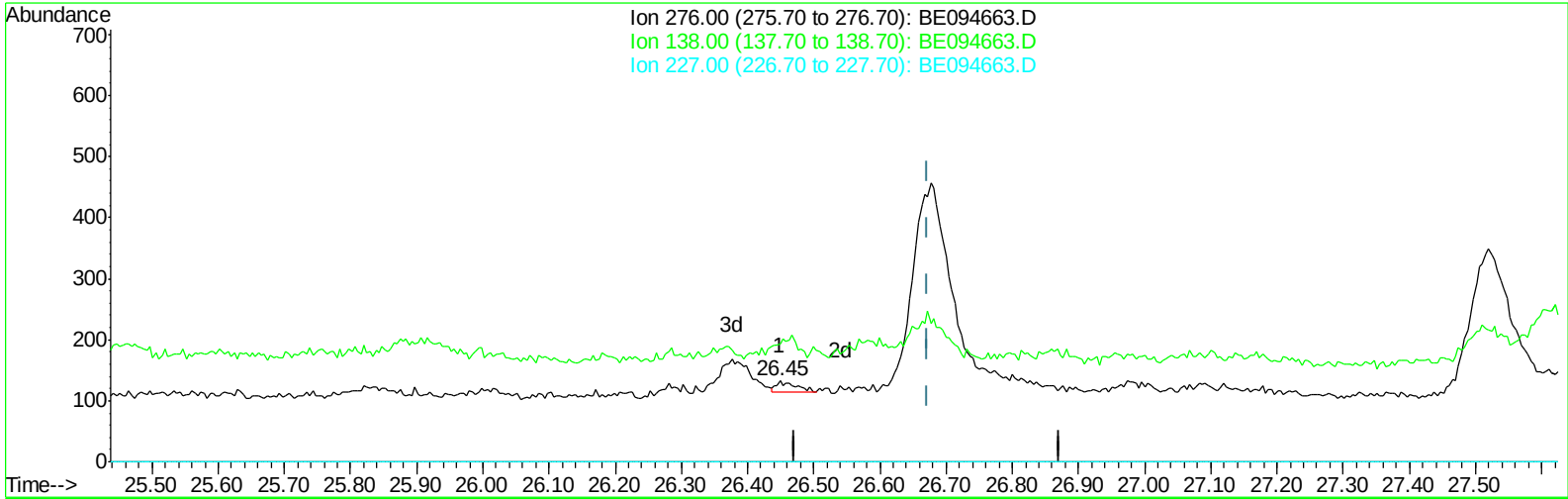
Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
Data File : BE094663.D
Acq On : 31 Oct 2017 18:15
Operator : SJ/JU
Sample : I5786-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-38(1-3)_100917

Manual Integrations
APPROVED

Sohil
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Quant Time: Nov 01 02:46:41 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
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TIC: BE094663.D

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

26.449min (-0.223) 0.00ng/ul

response 34

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	311.76#
227.00	10.00	0.00#
0.00	0.00	0.00

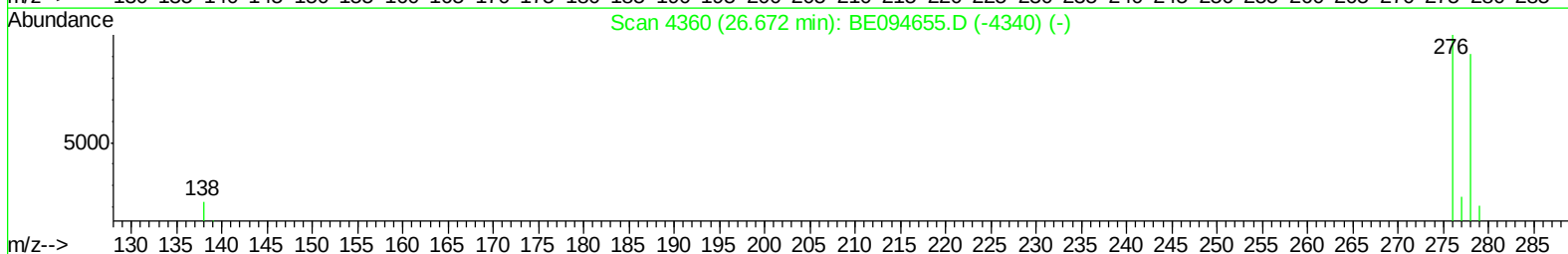
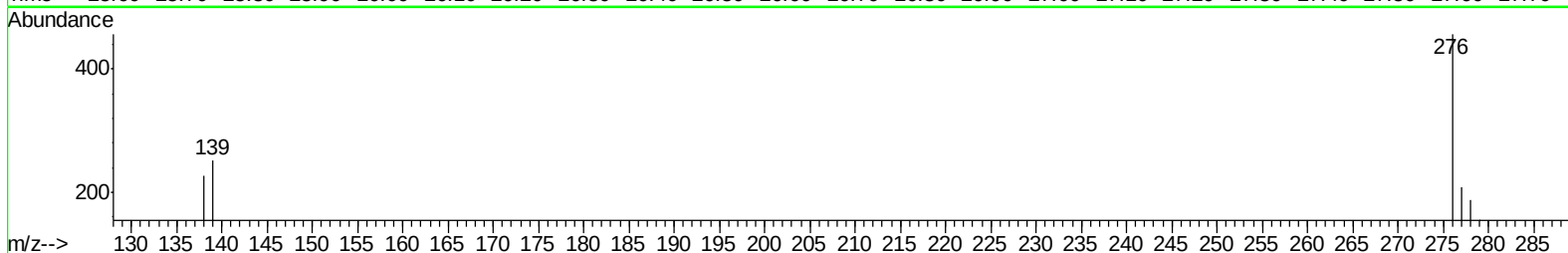
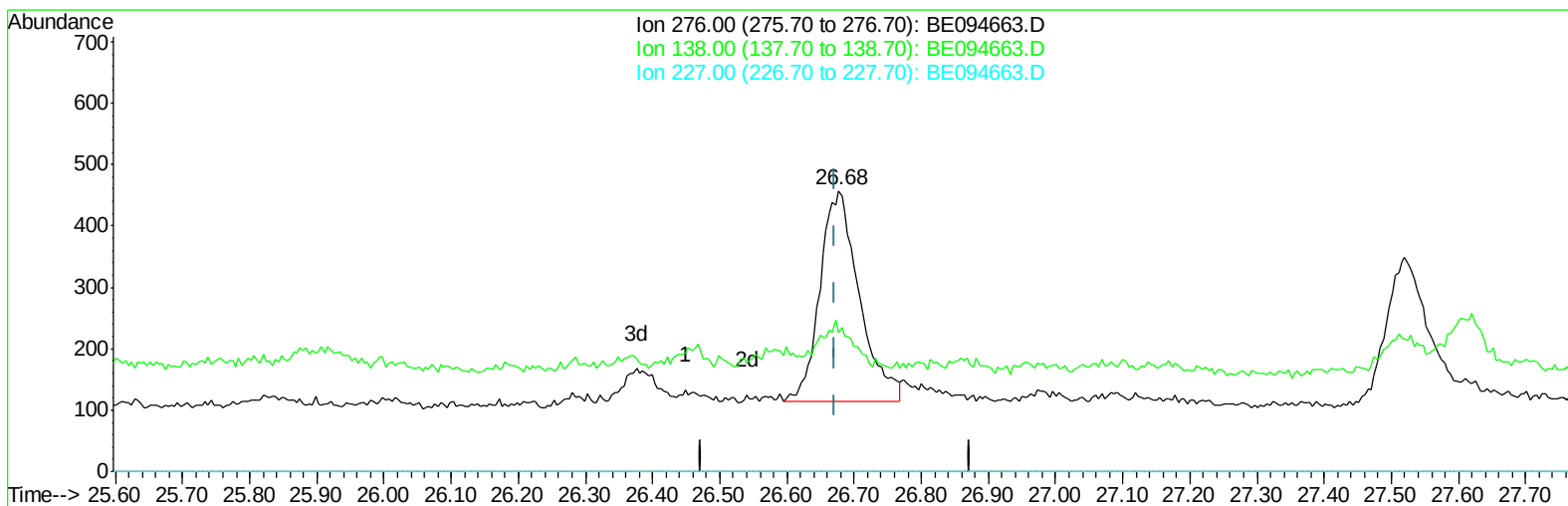
Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
Data File : BE094663.D
Acq On : 31 Oct 2017 18:15
Operator : SJ/JU
Sample : I5786-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-38(1-3)_100917

Manual Integrations
APPROVED

Sohil
11/1/2017 9:31:58 AM

Quant Time: Nov 01 02:46:41 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: BE094663.D

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

26.677min (+0.004) 0.05ng/ul m

response 1394

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	7.60#
227.00	10.00	0.00#
0.00	0.00	0.00

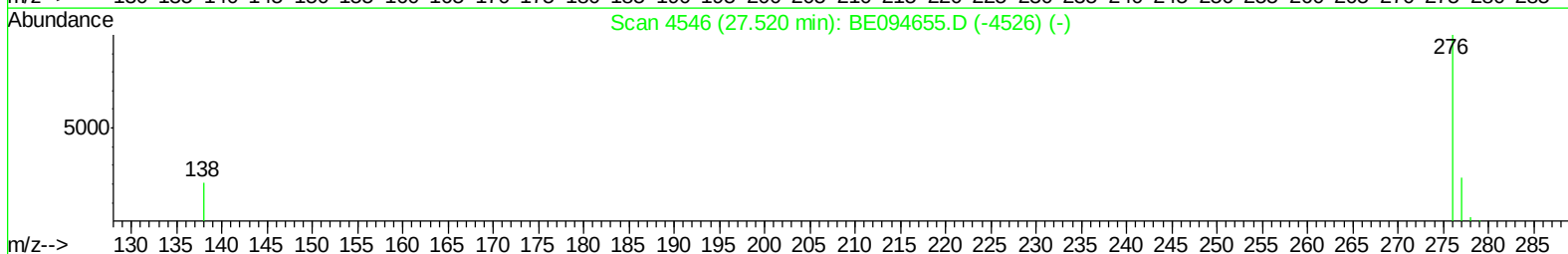
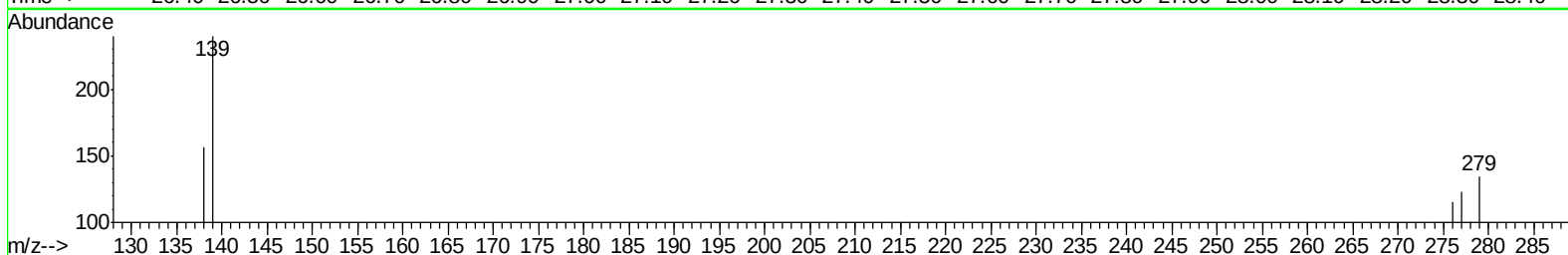
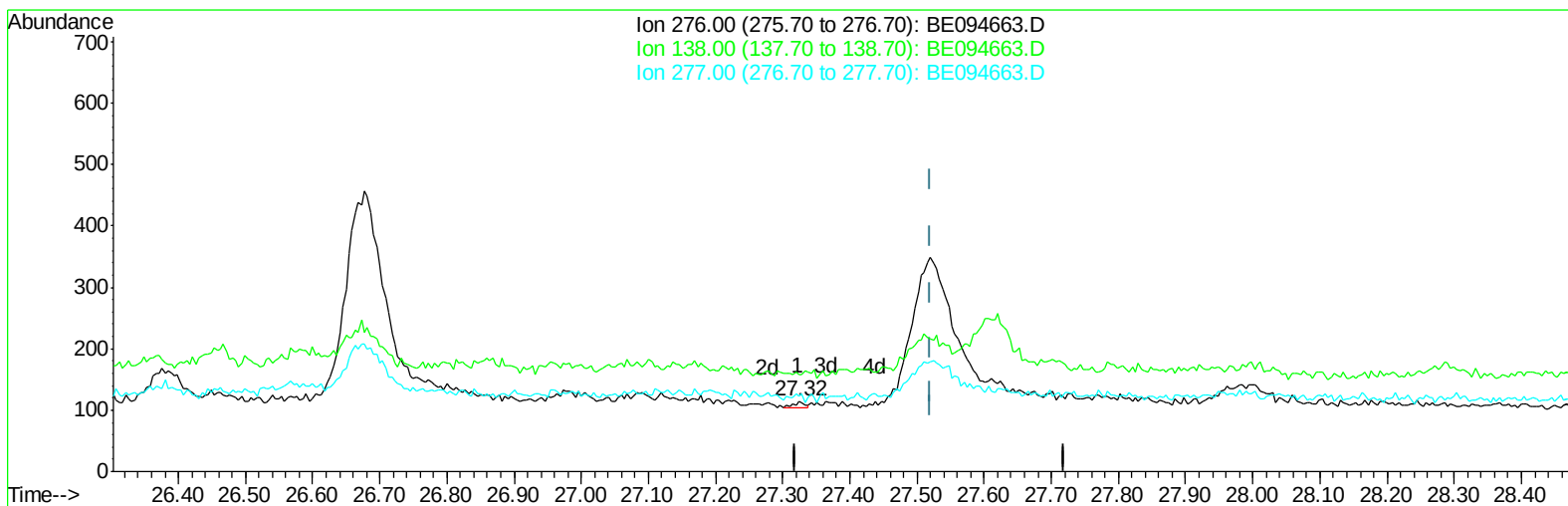
Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
Data File : BE094663.D
Acq On : 31 Oct 2017 18:15
Operator : SJ/JU
Sample : I5786-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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Sohil
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Quant Time: Nov 01 02:46:41 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
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TIC: BE094663.D

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

27.324min (-0.196) 0.00ng/ul

response 11

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	136.52#
277.00	25.60	106.96#
0.00	0.00	0.00

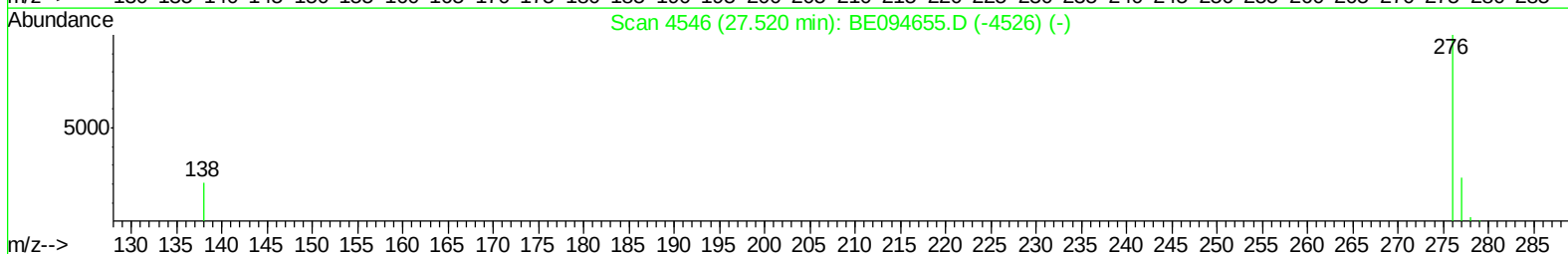
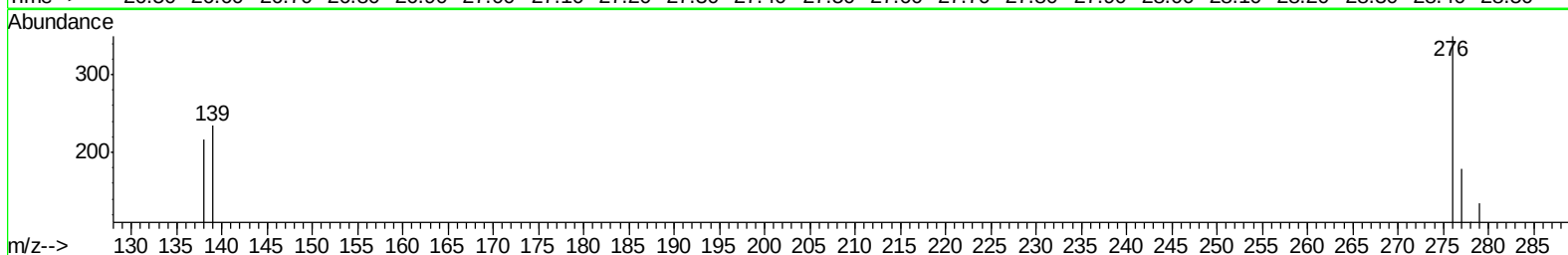
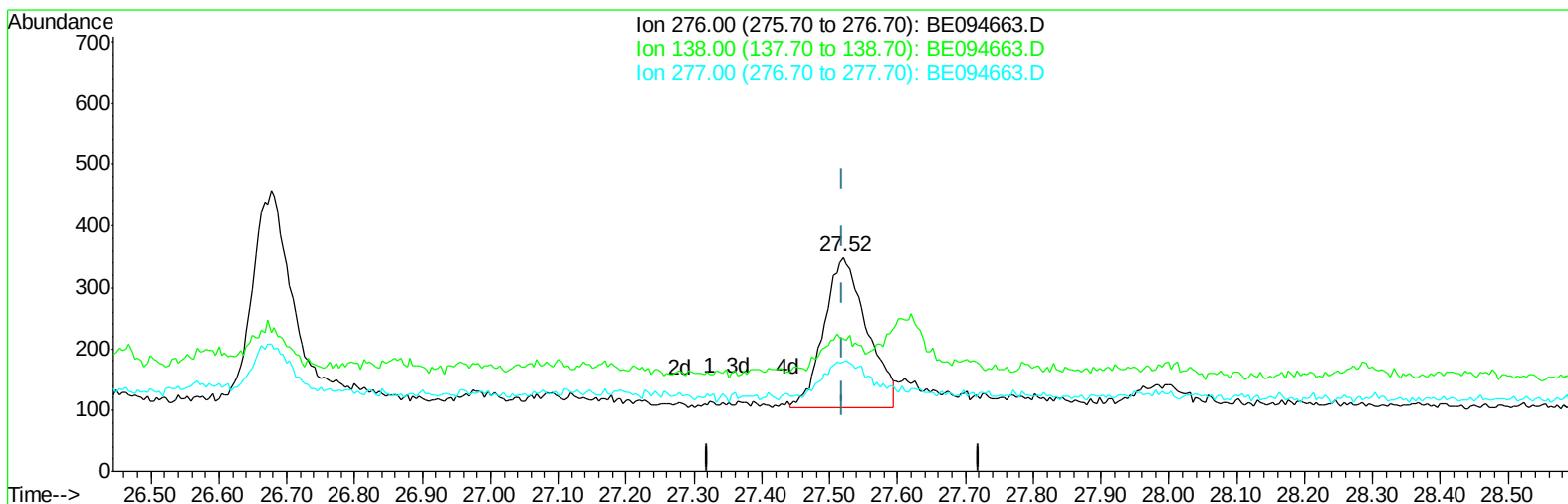
Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
Data File : BE094663.D
Acq On : 31 Oct 2017 18:15
Operator : SJ/JU
Sample : I5786-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-38(1-3)_100917

Manual Integrations
APPROVED

Sohil
11/1/2017 9:31:58 AM

Quant Time: Nov 01 02:46:41 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
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TIC: BE094663.D

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

27.520min (-0.000) 0.05ng/ul m

response 1073

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	61.89#
277.00	25.60	51.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
 Data File : BE094663.D
 Acq On : 31 Oct 2017 18:15
 Operator : SJ/JU
 Sample : I5786-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-38(1-3)_100917

Manual Integrations
 APPROVED

Sohil
 11/1/2017 9:31:58 AM

Quant Time: Nov 01 02:50:36 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 01 01:43:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	2456	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.69	136	8074	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	4336	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	8533m	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	7828	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	10186m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	6188	0.47	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	12981	0.51	ng/ul	0.00
Target Compounds				Ovalue		
5) 2-Methylnaphthalene	12.34	142	8728	0.63	ng/ul	100
8) Acenaphthene	14.57	153	10717	0.76	ng/ul	97
9) Fluorene	15.56	166	7615	0.48	ng/ul	92
12) Phenanthrene	17.29	178	18544	0.82	ng/ul#	93
13) Anthracene	17.38	178	3988	0.18	ng/ul#	95
15) Fluoranthene	19.31	202	13257	0.51	ng/ul	84
17) Pyrene	19.67	202	13930	0.58	ng/ul#	84
18) Benzo(a)anthracene	21.41	228	4262	0.19	ng/ul#	88
19) Chrysene	21.46	228	4562	0.20	ng/ul#	87
21) Benzo(b)fluoranthene	23.18	252	4360m	0.15	ng/ul	
22) Benzo(k)fluoranthene	23.23	252	1219m	0.04	ng/ul	
23) Benzo(a)pyrene	23.84	252	2545m	0.09	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.68	276	1394m	0.05	ng/ul	
26) Benzo(g,h,i)perylene	27.52	276	1073m	0.05	ng/ul	

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

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