

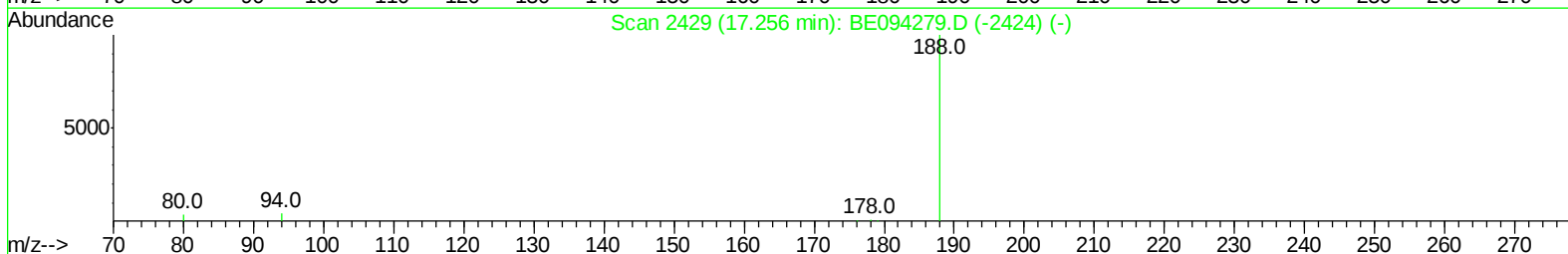
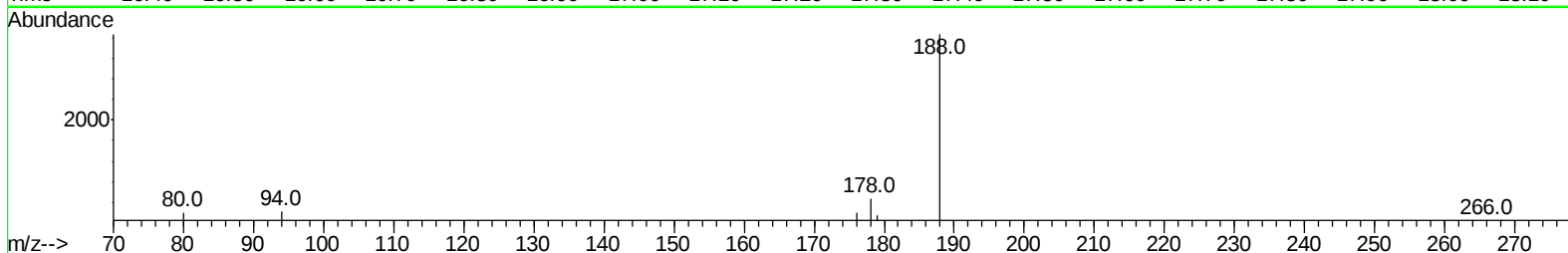
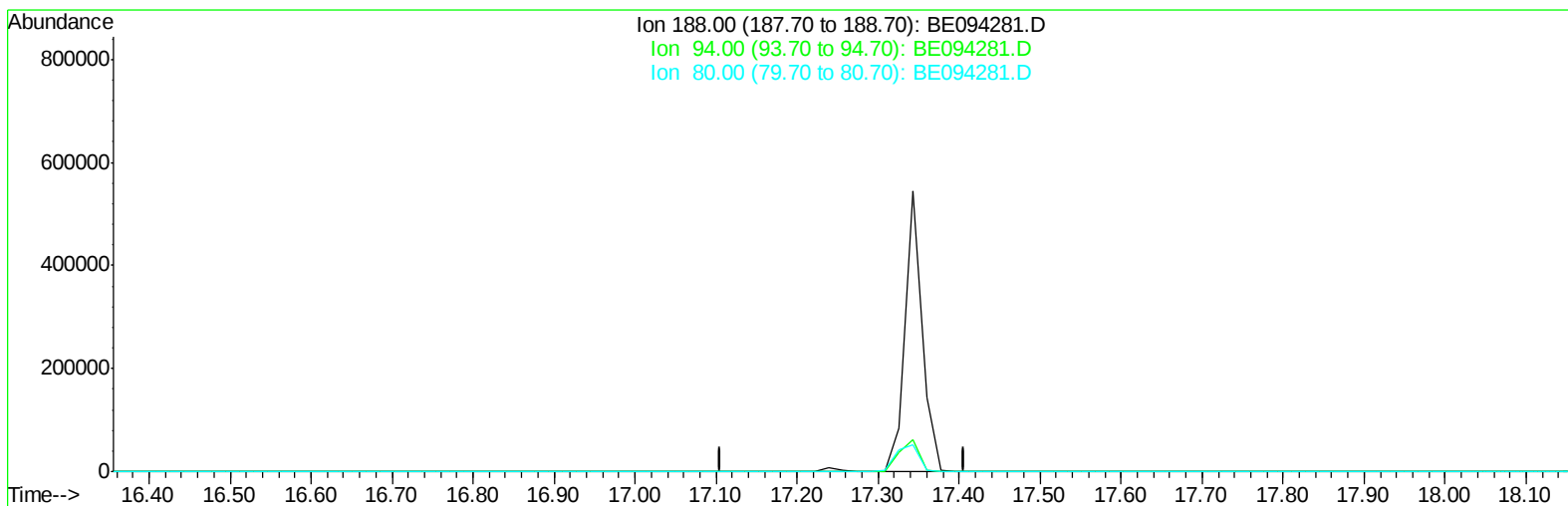
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094281.D
Acq On : 11 Oct 2017 16:07
Operator : SJ/JU
Sample : I5490-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-40(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:30 PM

Quant Time: Oct 12 07:35:02 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 07:31:23 2017
Response via : Initial Calibration



TIC: BE094281.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

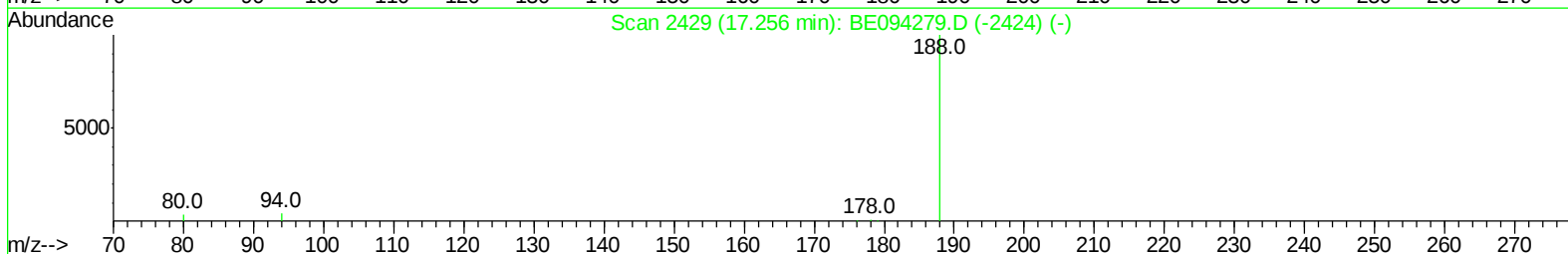
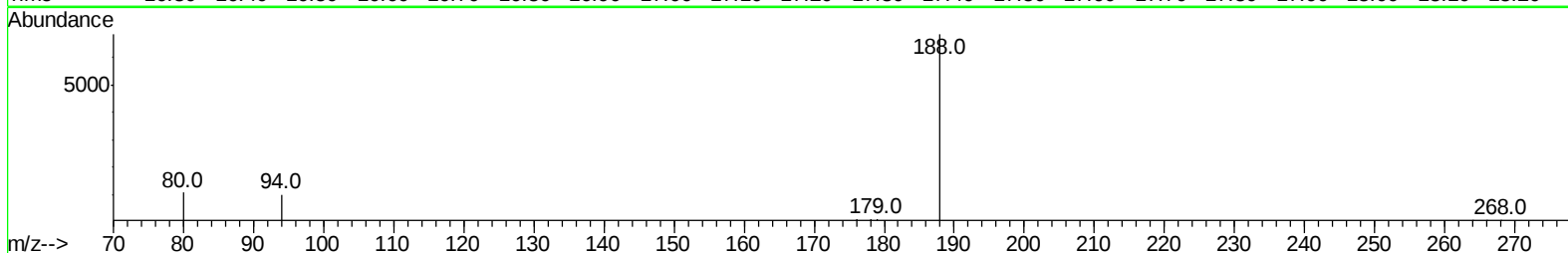
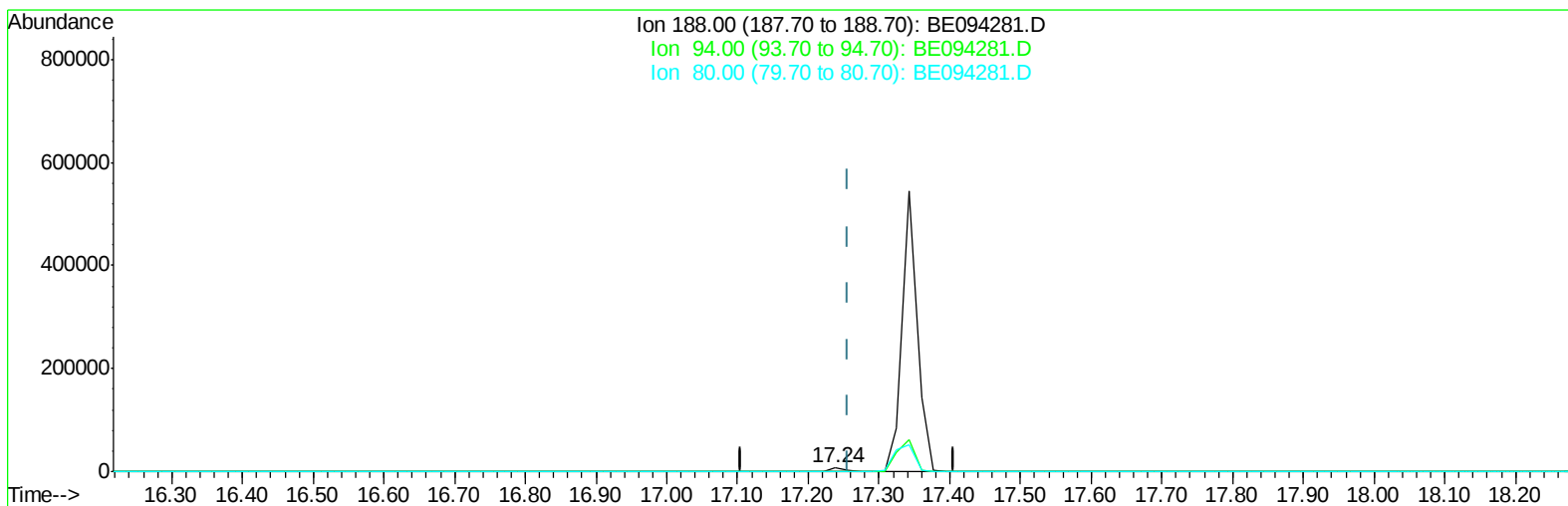
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094281.D
Acq On : 11 Oct 2017 16:07
Operator : SJ/JU
Sample : I5490-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-40(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:30 PM

Quant Time: Oct 12 07:35:02 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 07:31:23 2017
Response via : Initial Calibration



TIC: BE094281.D

(10) Phenanthrene-d10 (I)

17.239min (-0.018) 0.40ng/ul m

response 11117

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	14.51#
80.00	11.80	15.52#
0.00	0.00	0.00

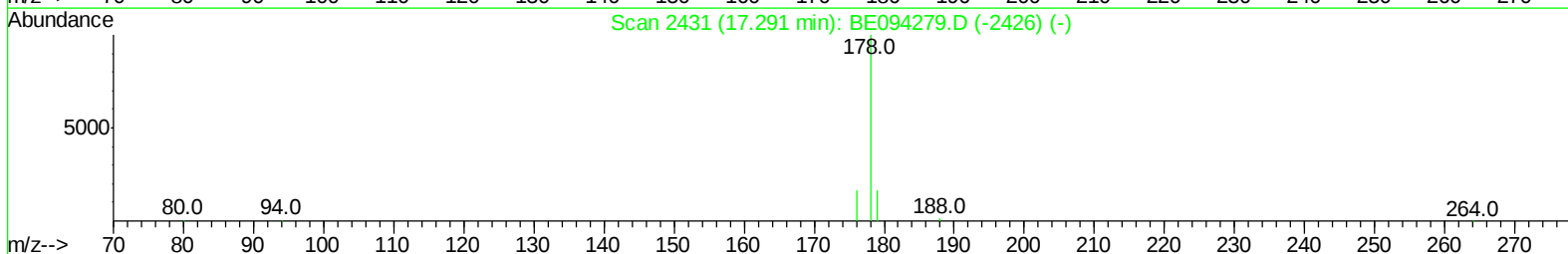
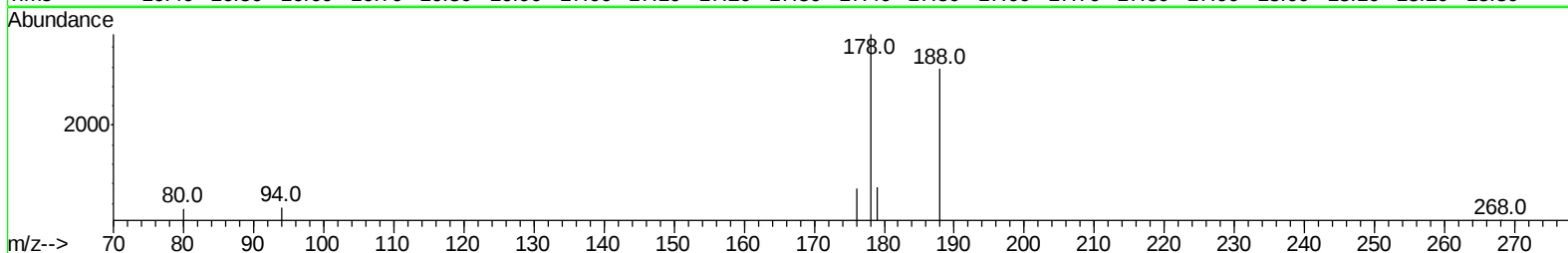
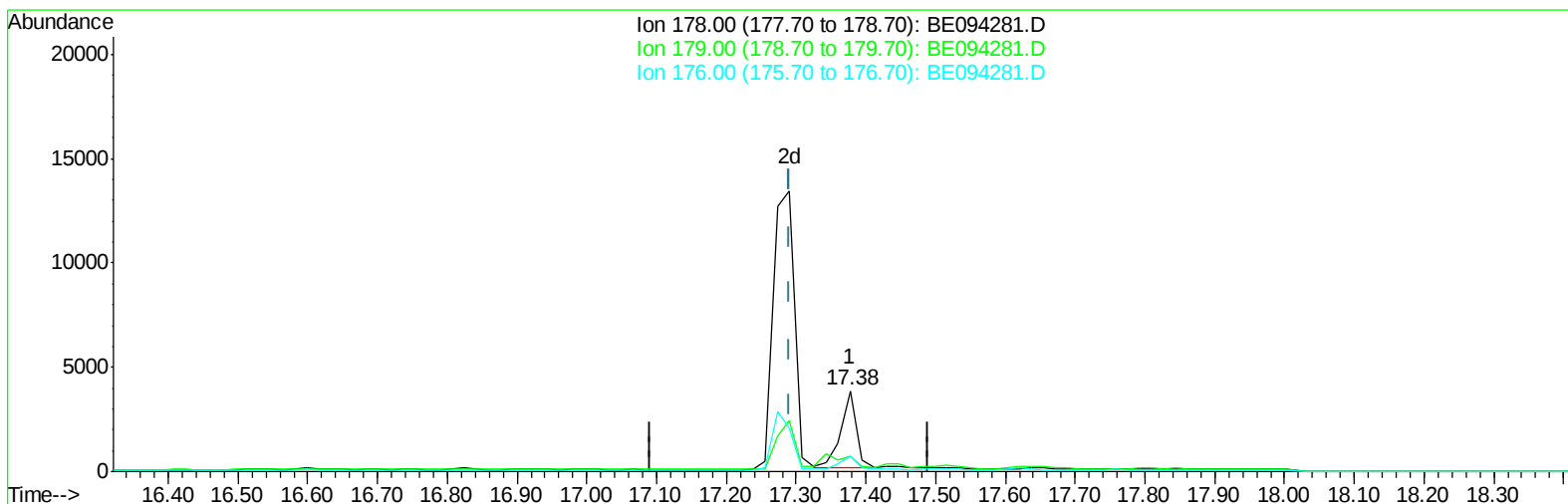
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094281.D
Acq On : 11 Oct 2017 16:07
Operator : SJ/JU
Sample : I5490-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-40(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:30 PM

Quant Time: Oct 12 08:03:18 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 07:31:23 2017
Response via : Initial Calibration



TIC: BE094281.D

(12) Phenanthrene

17.377min (+0.086) 0.20ng/ul

response 5673

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	18.64
176.00	17.00	18.49
0.00	0.00	0.00

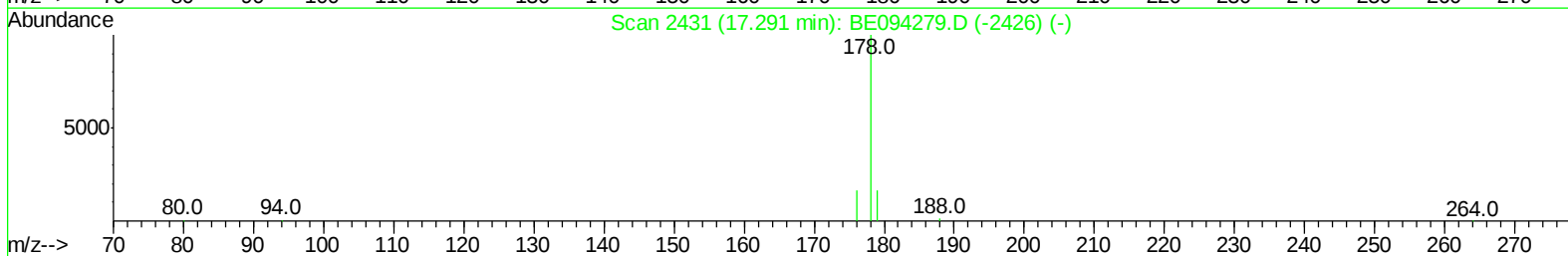
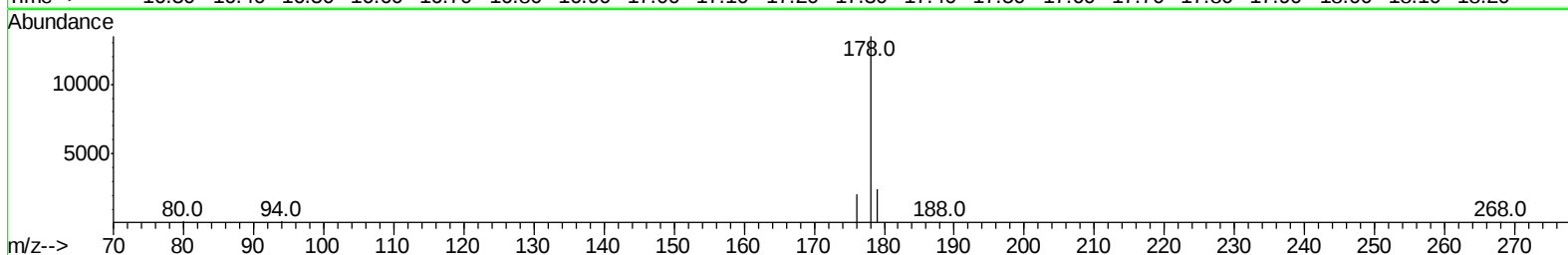
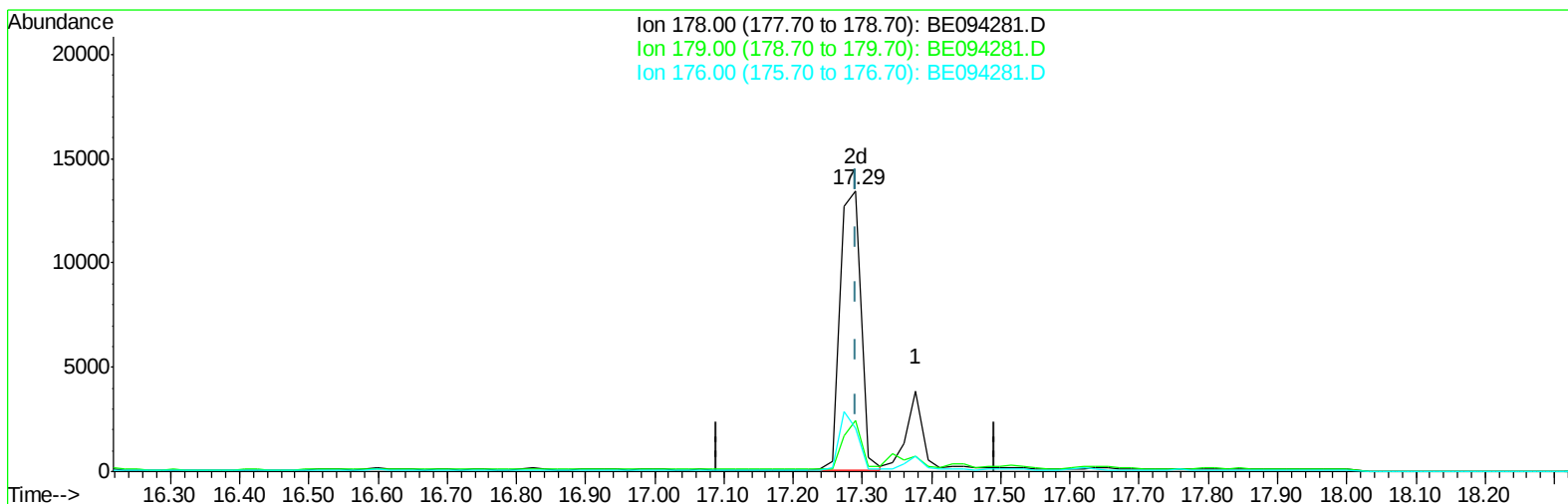
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
 Data File : BE094281.D
 Acq On : 11 Oct 2017 16:07
 Operator : SJ/JU
 Sample : I5490-08
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-40(5-7)-092717

Manual Integrations
 APPROVED

Sohil
 10/13/2017 12:05:30 PM

Quant Time: Oct 12 08:03:18 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 12 07:31:23 2017
 Response via : Initial Calibration



TIC: BE094281.D

(12) Phenanthrene

17.291min (-0.000) 0.97ng/ul m

response 28322

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	18.24#
176.00	17.00	15.67
0.00	0.00	0.00

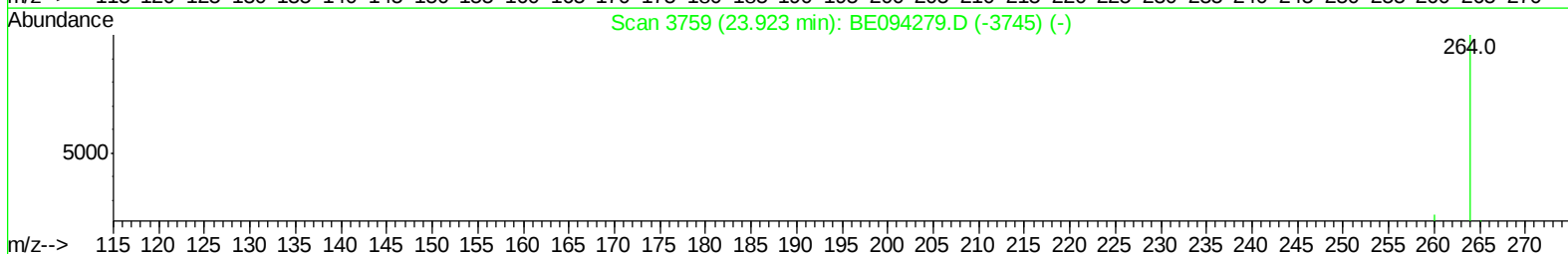
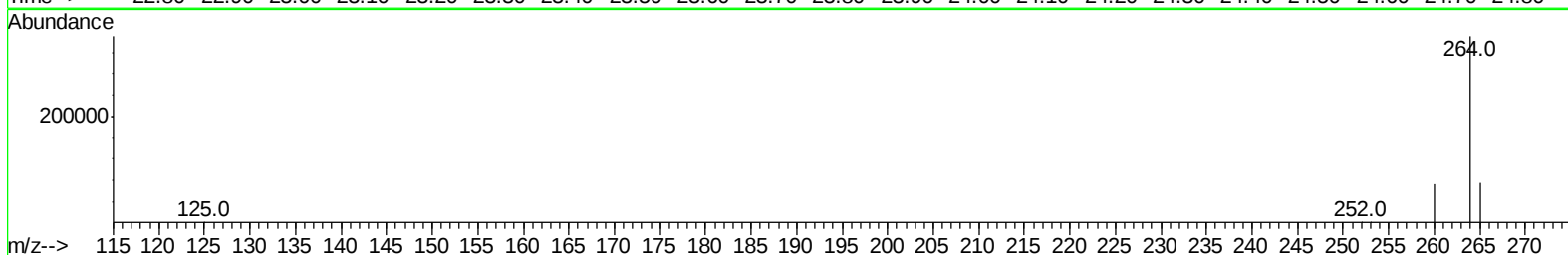
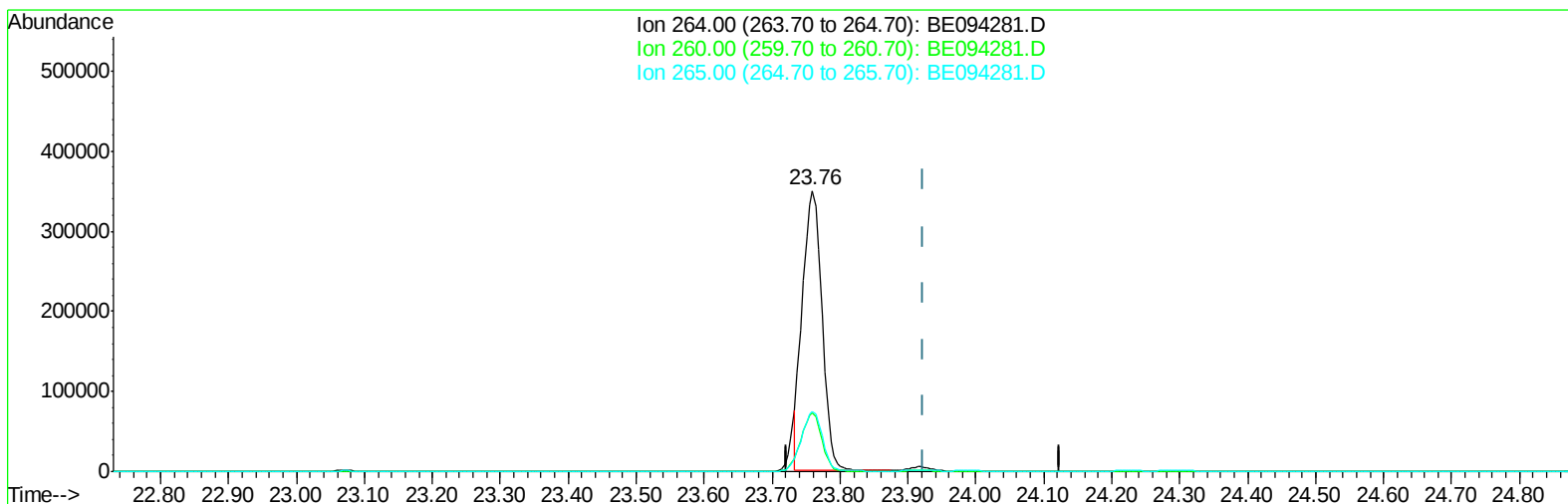
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094281.D
Acq On : 11 Oct 2017 16:07
Operator : SJ/JU
Sample : I5490-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-40(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:30 PM

Quant Time: Oct 12 08:03:18 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 07:31:23 2017
Response via : Initial Calibration



TIC: BE094281.D

(20) Perylene-d12 (I)

23.760min (-0.163) 0.40ng/ul

response 706024

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.92#
265.00	103.50	21.53#
0.00	0.00	0.00

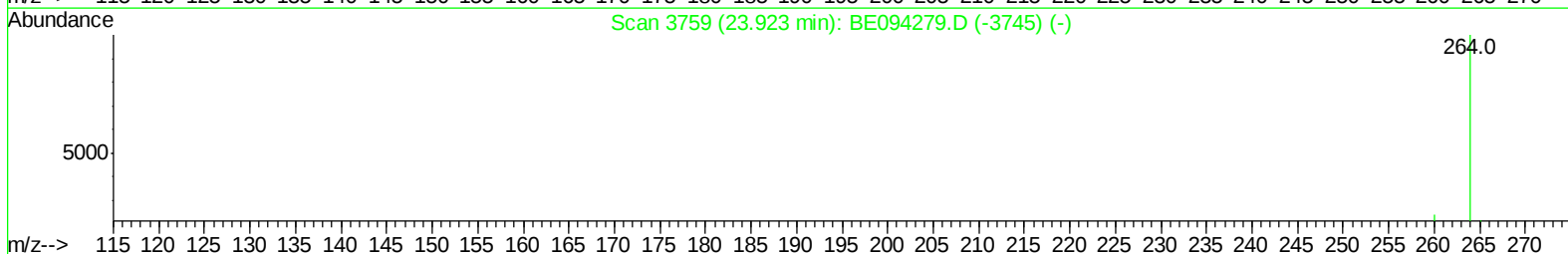
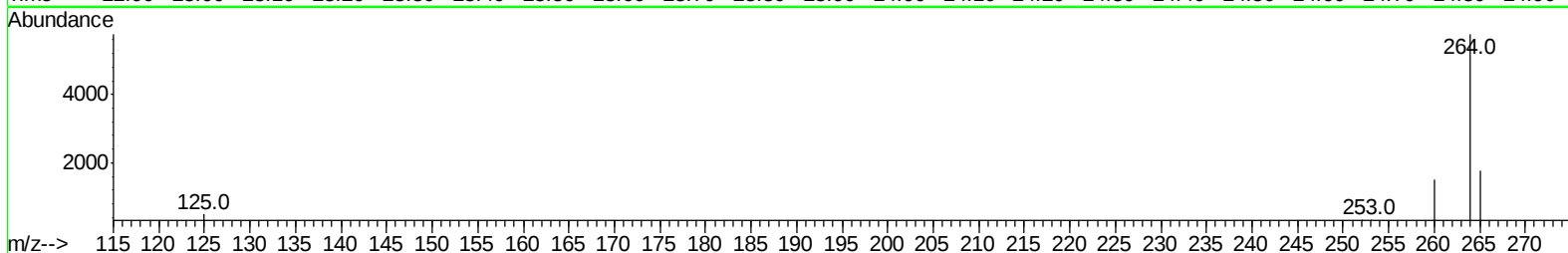
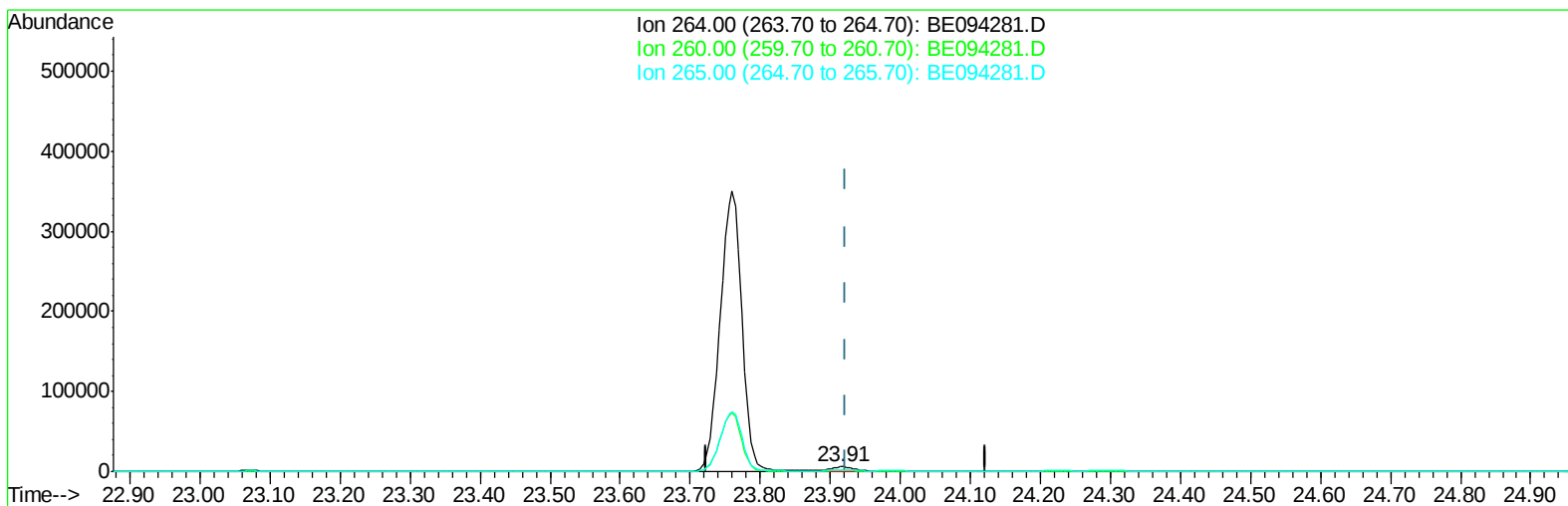
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094281.D
Acq On : 11 Oct 2017 16:07
Operator : SJ/JU
Sample : I5490-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-40(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:30 PM

Quant Time: Oct 12 08:03:18 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 07:31:23 2017
Response via : Initial Calibration



TIC: BE094281.D

(20) Perylene-d12 (I)

23.915min (-0.009) 0.40ng/ul m

response 11671

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	26.08
265.00	103.50	30.61#
0.00	0.00	0.00

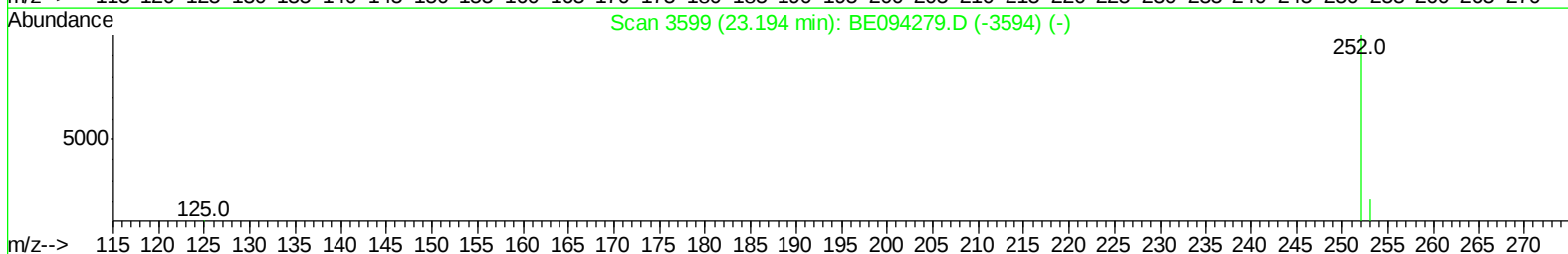
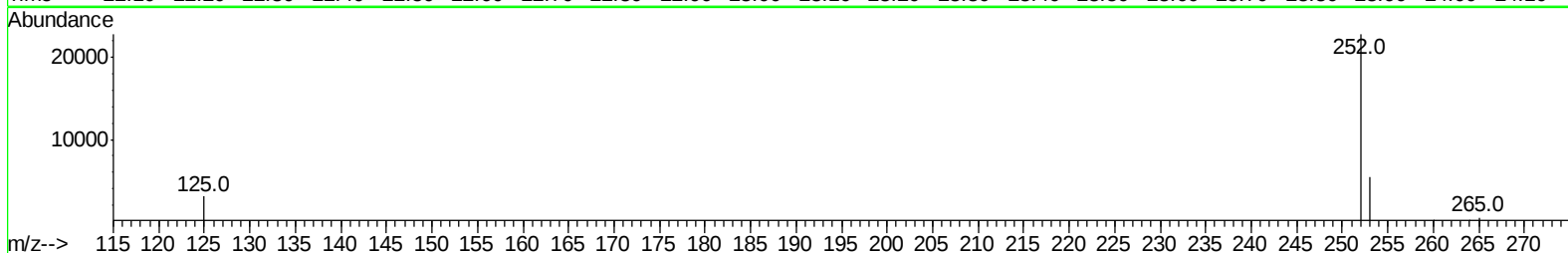
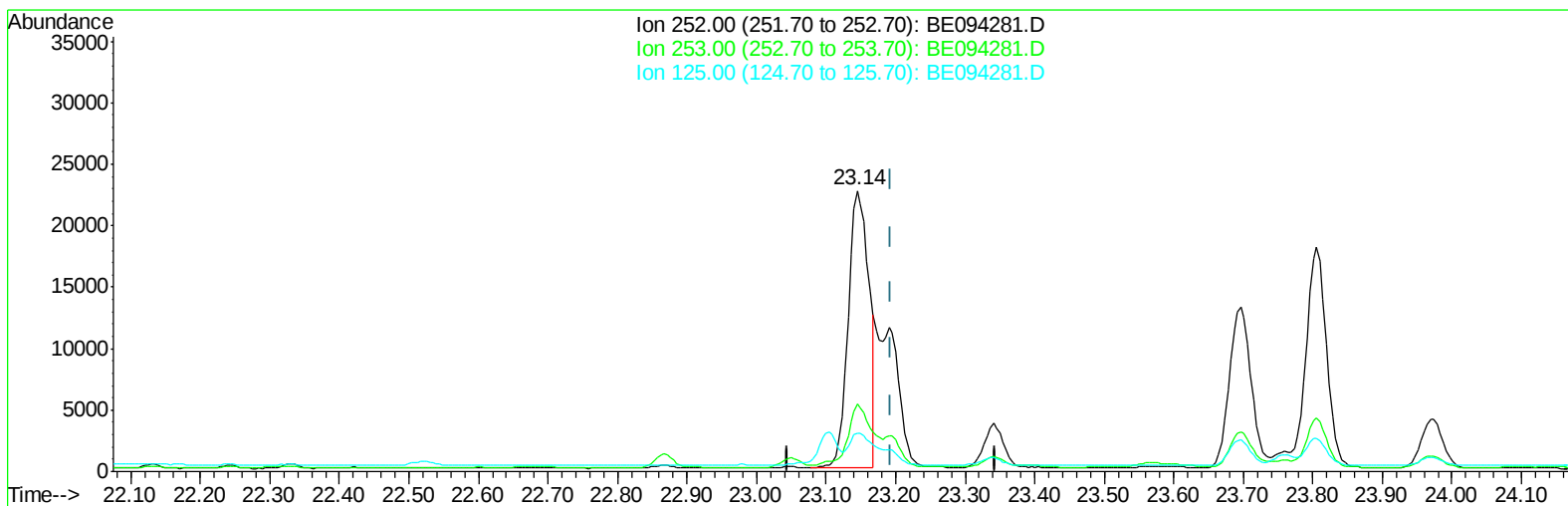
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094281.D
Acq On : 11 Oct 2017 16:07
Operator : SJ/JU
Sample : I5490-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-40(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:30 PM

Quant Time: Oct 12 08:03:18 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 07:31:23 2017
Response via : Initial Calibration



TIC: BE094281.D

(22) Benzo(k)fluoranthene
23.145min (-0.049) 1.30ng/ul
response 47703

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	24.00#
125.00	17.10	13.46#
0.00	0.00	0.00

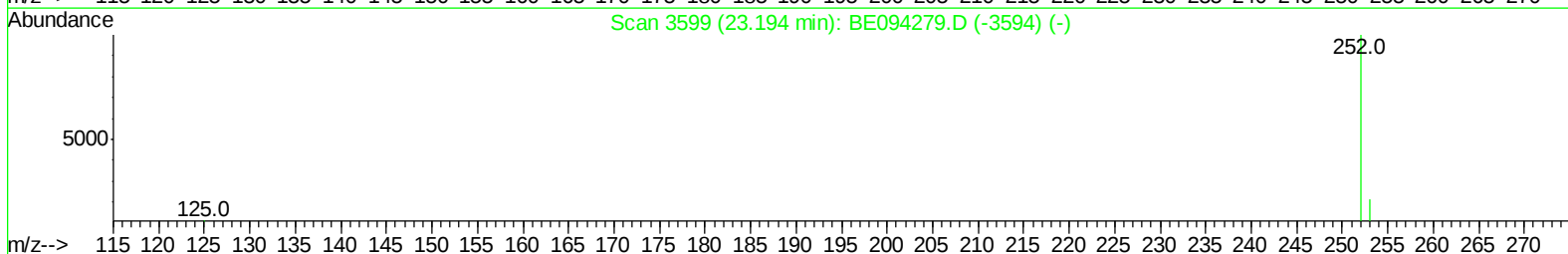
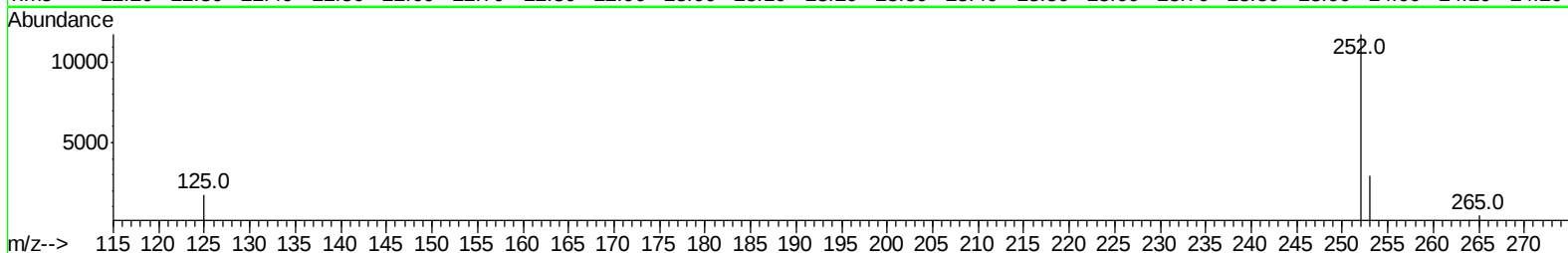
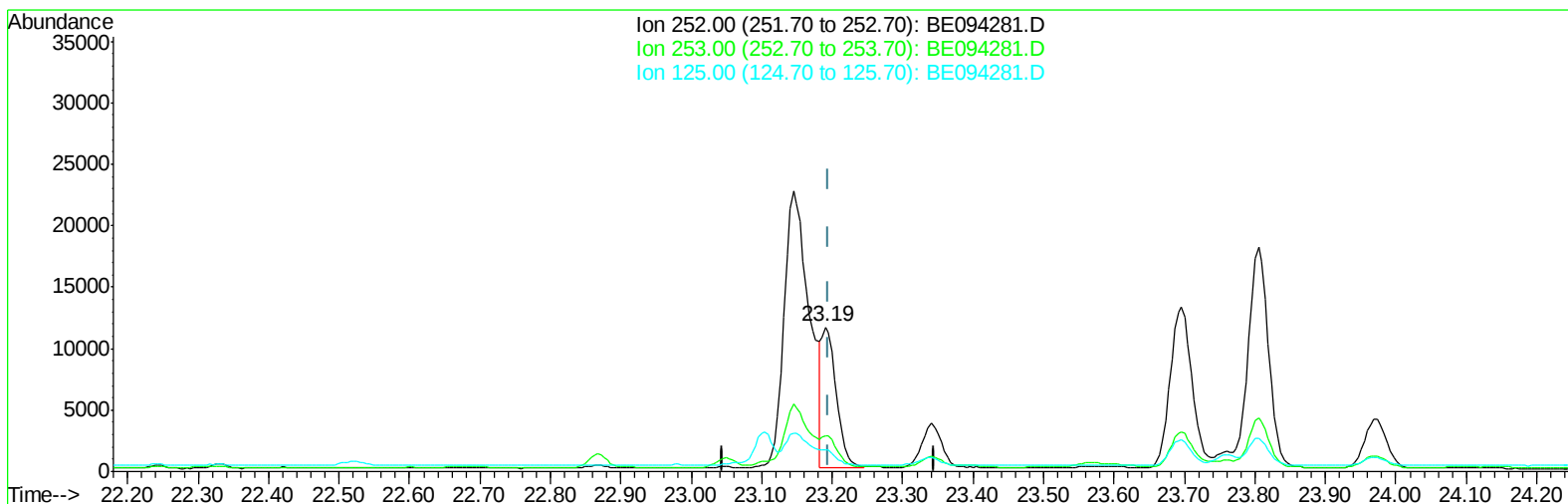
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094281.D
Acq On : 11 Oct 2017 16:07
Operator : SJ/JU
Sample : I5490-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-40(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:30 PM

Quant Time: Oct 12 08:03:18 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 07:31:23 2017
Response via : Initial Calibration



TIC: BE094281.D

(22) Benzo(k)fluoranthene

23.191min (-0.004) 0.46ng/ul m

response 16787

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	24.81
125.00	17.10	14.83
0.00	0.00	0.00

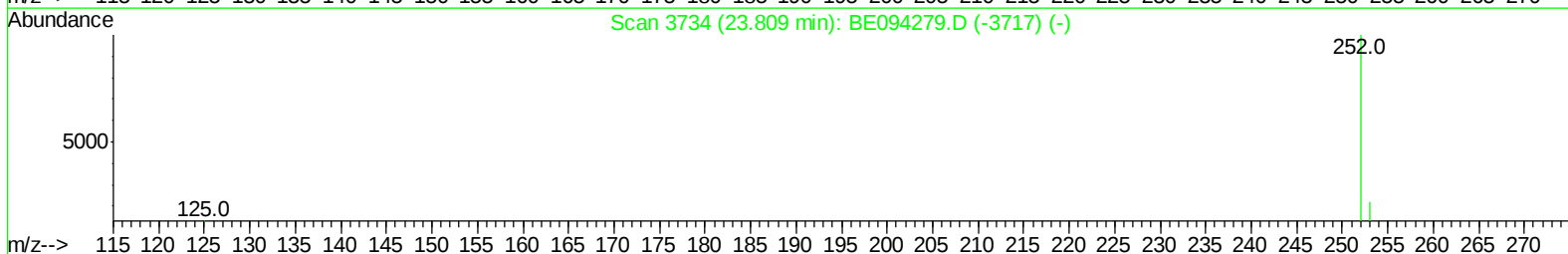
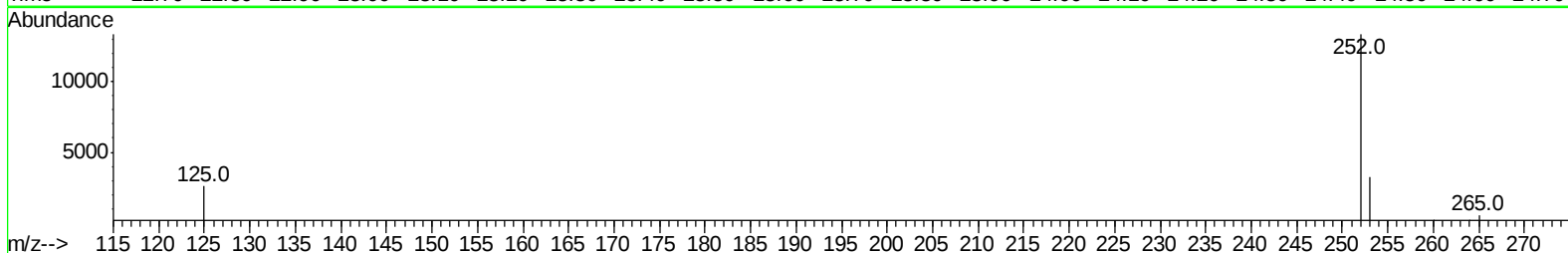
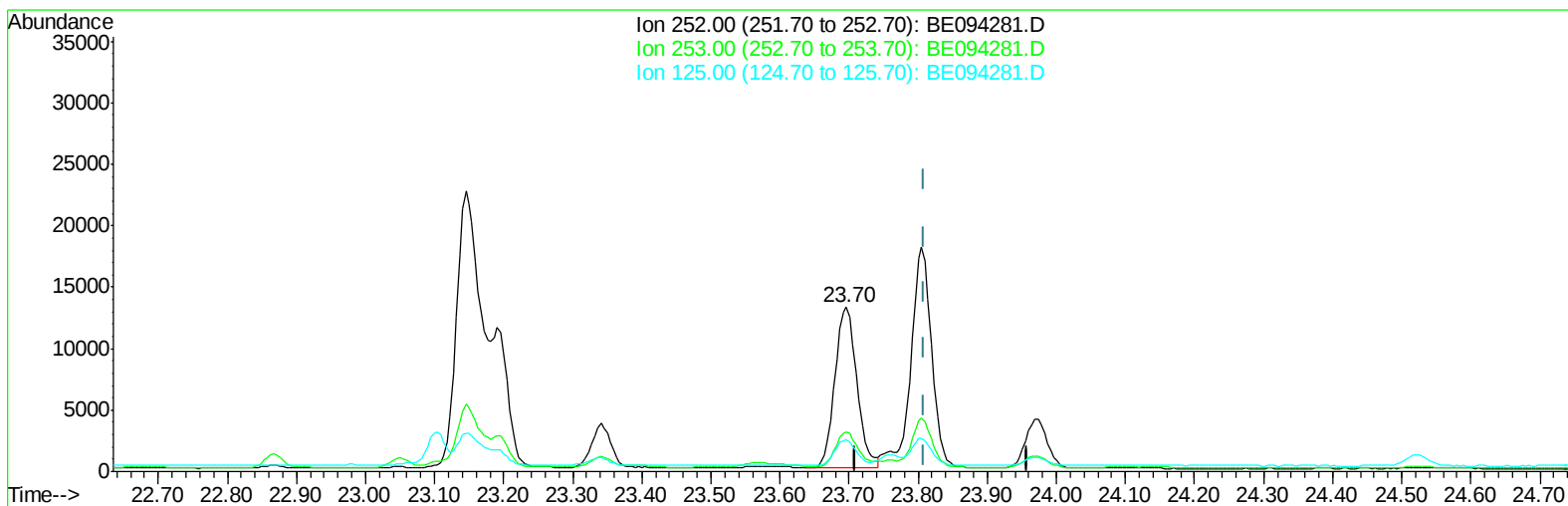
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094281.D
Acq On : 11 Oct 2017 16:07
Operator : SJ/JU
Sample : I5490-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-40(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:30 PM

Quant Time: Oct 12 08:03:18 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 07:31:23 2017
Response via : Initial Calibration



TIC: BE094281.D

(23) Benzo(a)pyrene (C)

23.696min (-0.113) 0.87ng/ul

response 28809

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	24.01#
125.00	22.60	19.29
0.00	0.00	0.00

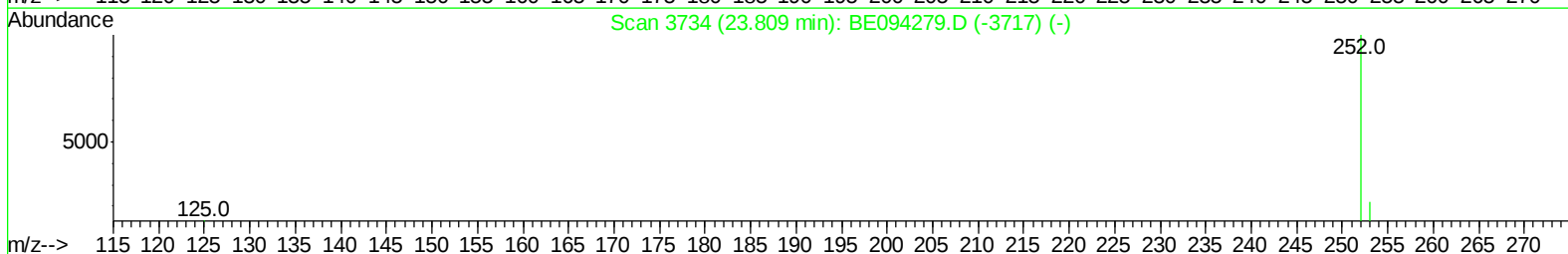
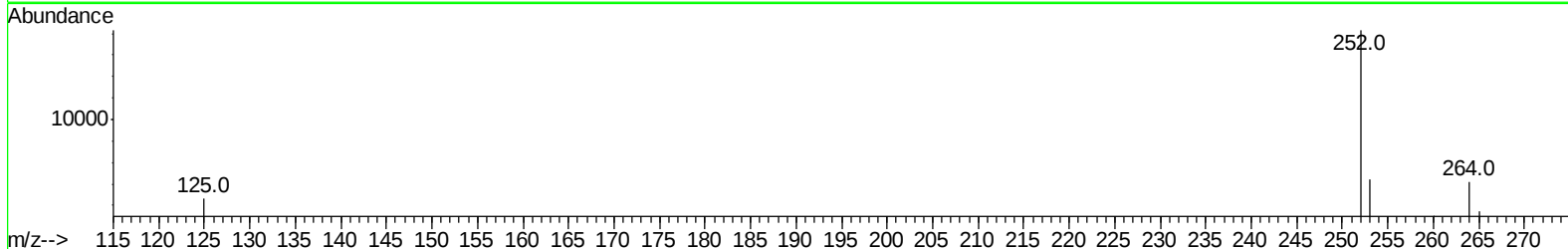
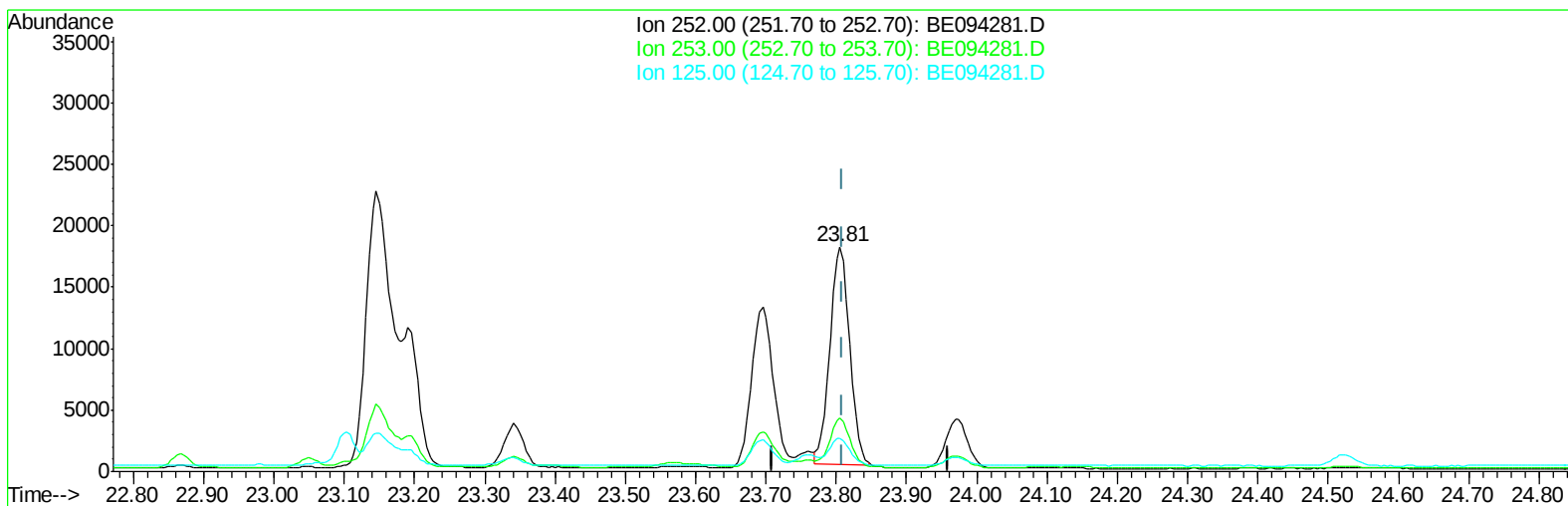
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094281.D
Acq On : 11 Oct 2017 16:07
Operator : SJ/JU
Sample : I5490-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-40(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:30 PM

Quant Time: Oct 12 08:03:18 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 07:31:23 2017
Response via : Initial Calibration



TIC: BE094281.D

(23) Benzo(a)pyrene (C)

23.805min (-0.004) 1.05ng/ul m

response 34620

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	23.99#
125.00	22.60	14.68#
0.00	0.00	0.00

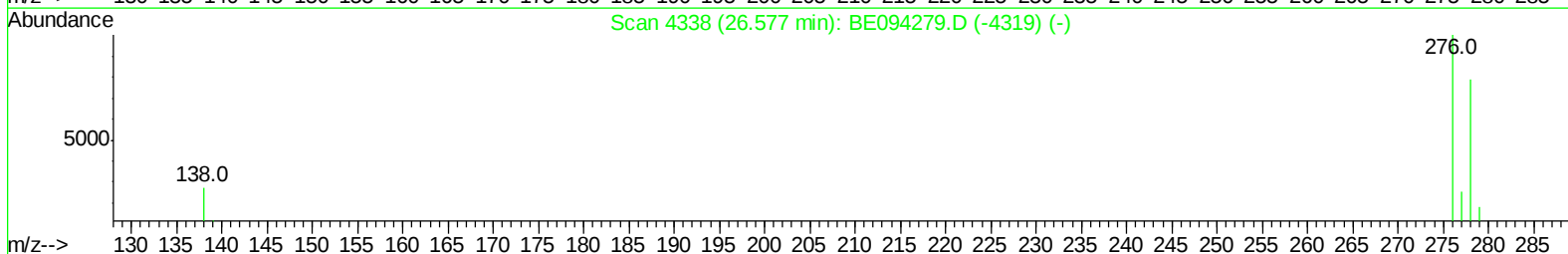
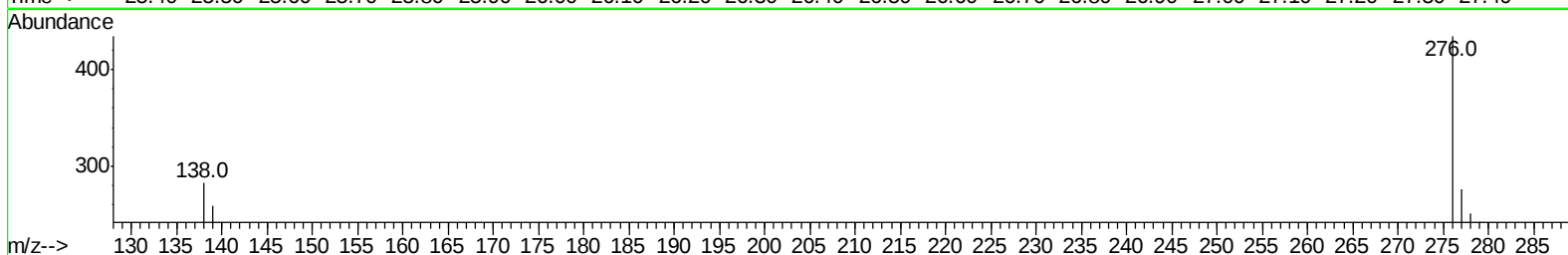
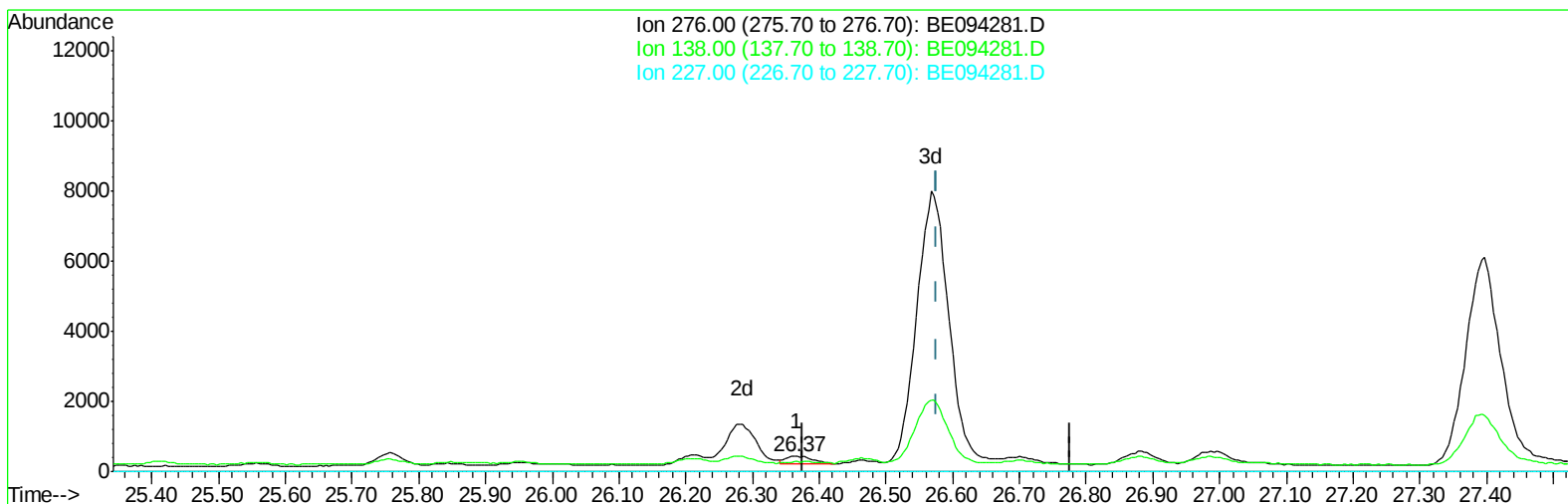
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094281.D
Acq On : 11 Oct 2017 16:07
Operator : SJ/JU
Sample : I5490-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-40(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:30 PM

Quant Time: Oct 12 08:03:18 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 07:31:23 2017
Response via : Initial Calibration



TIC: BE094281.D

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

26.367min (-0.210) 0.02ng/ul

response 602

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

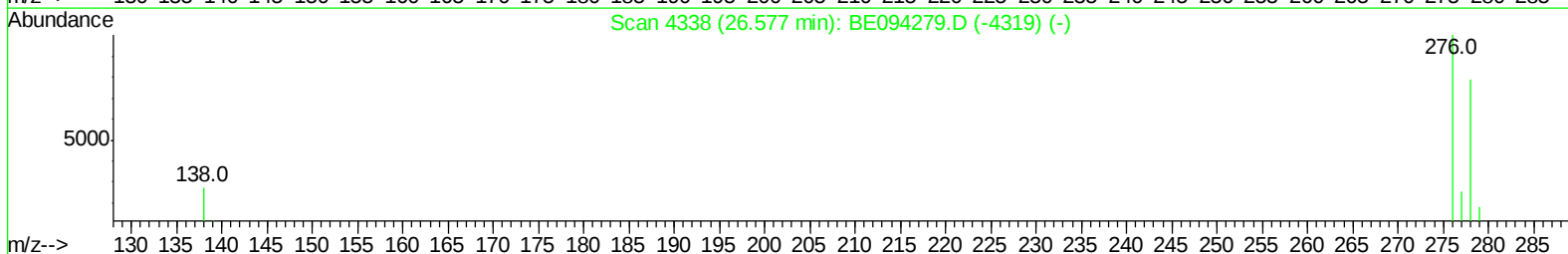
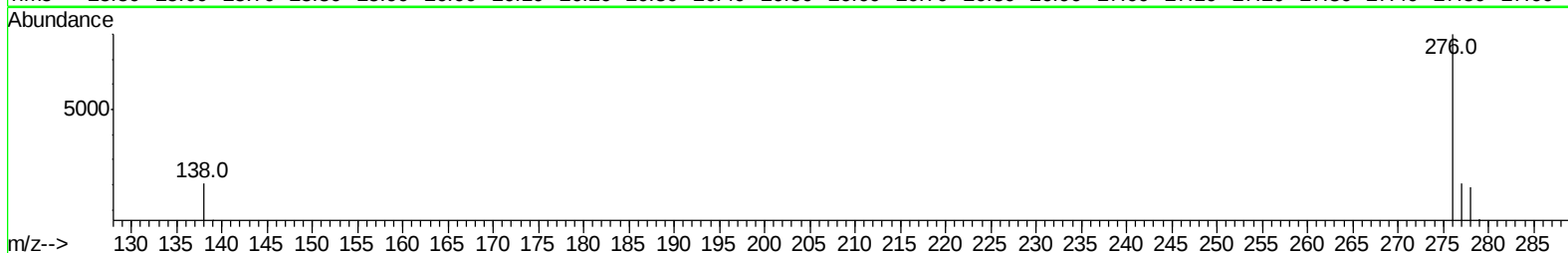
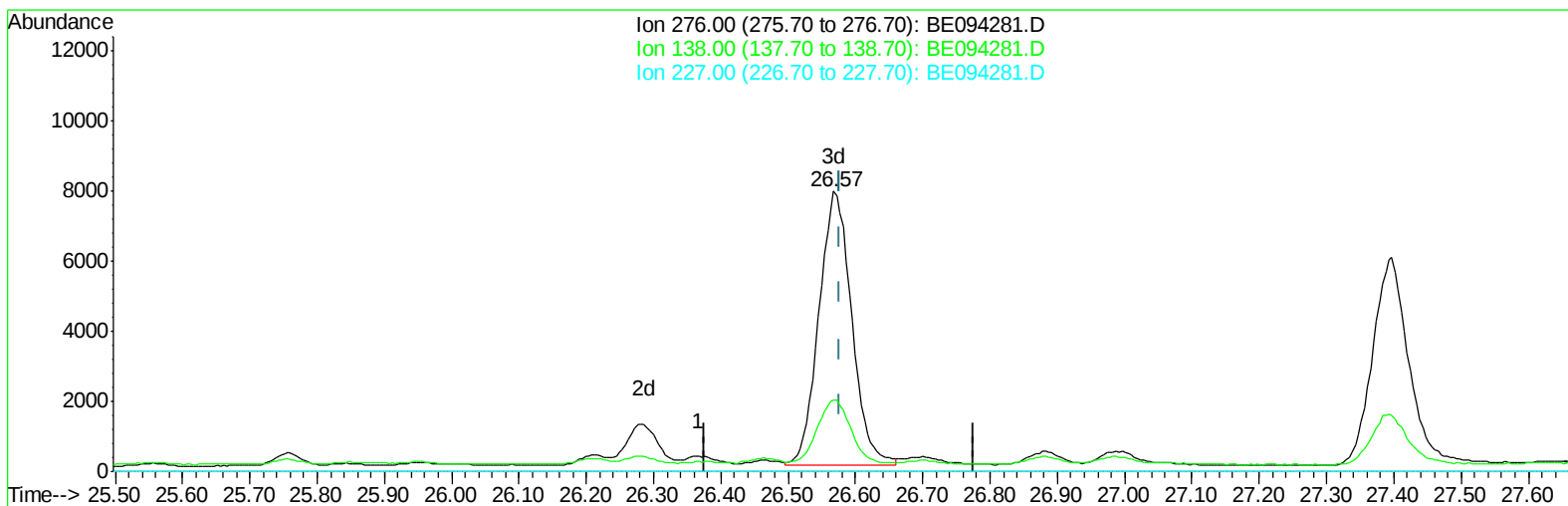
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094281.D
Acq On : 11 Oct 2017 16:07
Operator : SJ/JU
Sample : I5490-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-40(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:30 PM

Quant Time: Oct 12 08:03:18 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 07:31:23 2017
Response via : Initial Calibration



TIC: BE094281.D

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

26.568min (-0.009) 0.78ng/ul m

response 26281

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

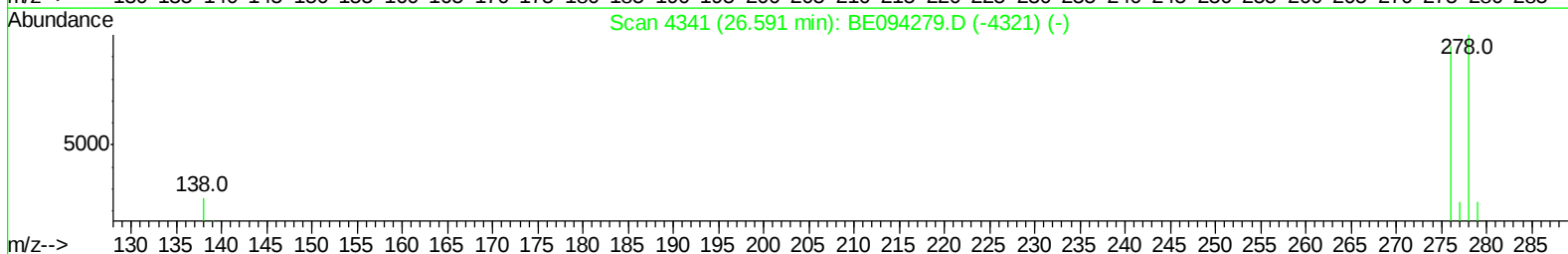
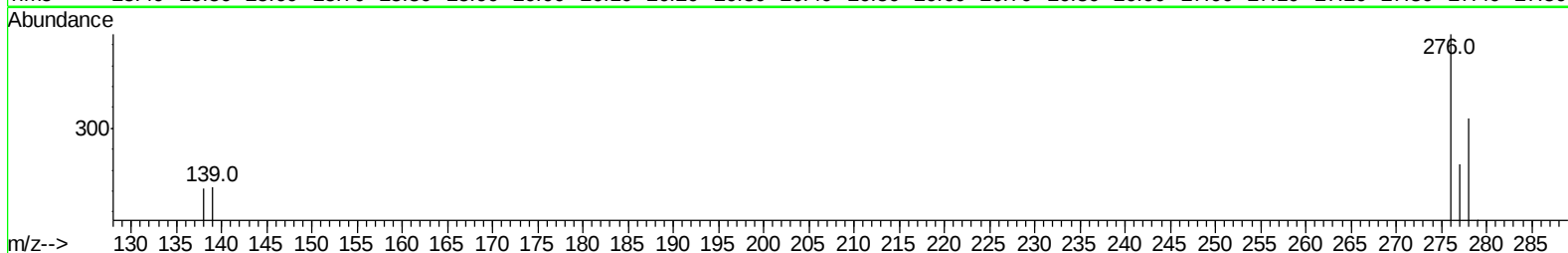
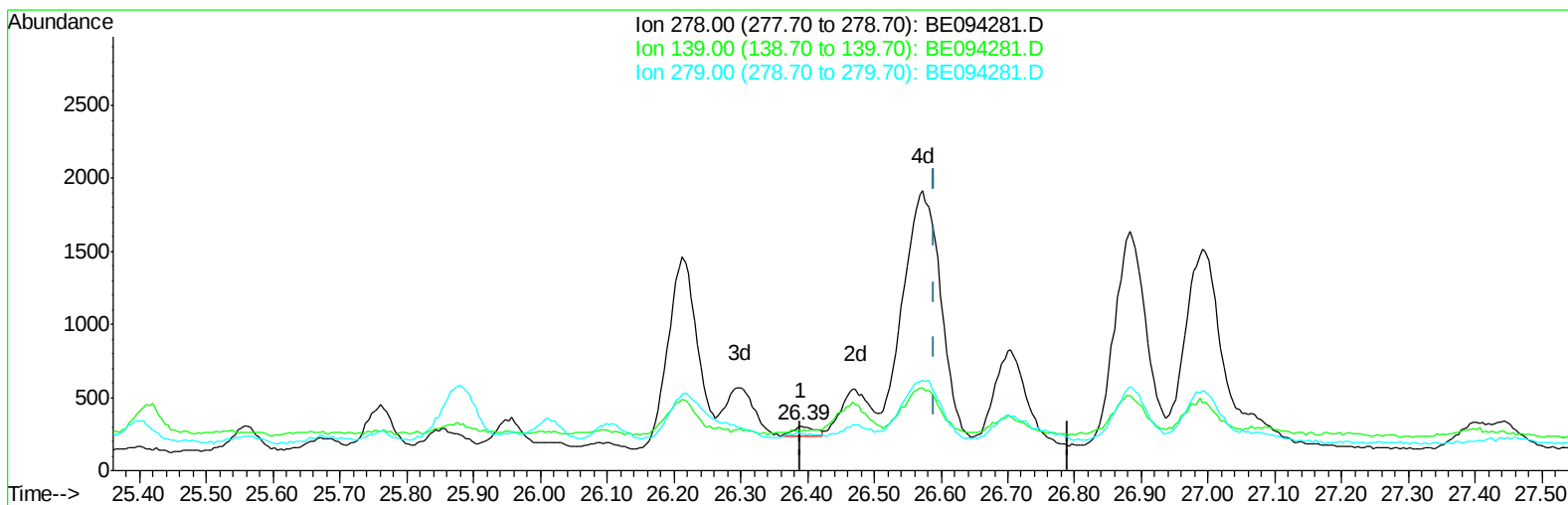
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094281.D
Acq On : 11 Oct 2017 16:07
Operator : SJ/JU
Sample : I5490-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-40(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:30 PM

Quant Time: Oct 12 08:03:18 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 07:31:23 2017
Response via : Initial Calibration



TIC: BE094281.D

(25) Dibenzo(a,h)anthracene

26.390min (-0.201) 0.01ng/ul

response 155

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	89.18#
279.00	32.40	83.93#
0.00	0.00	0.00

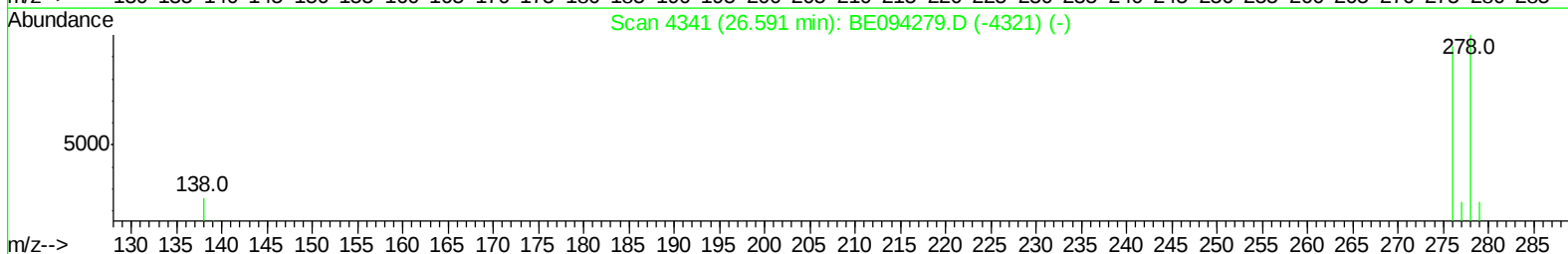
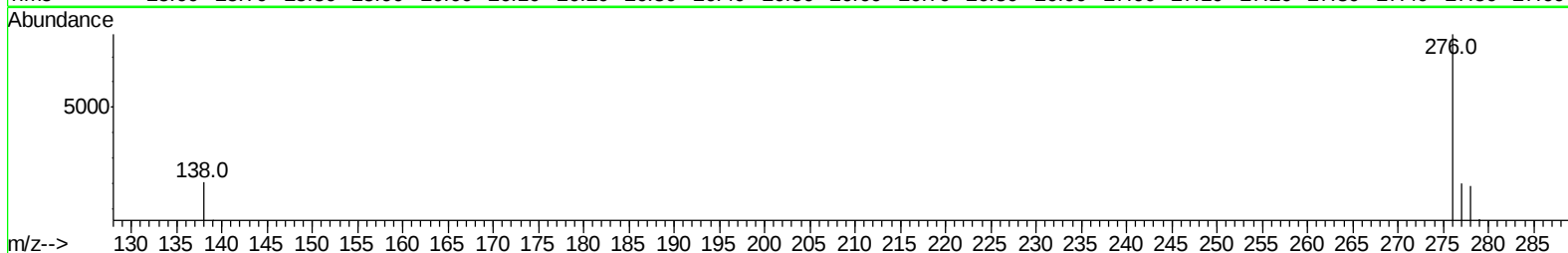
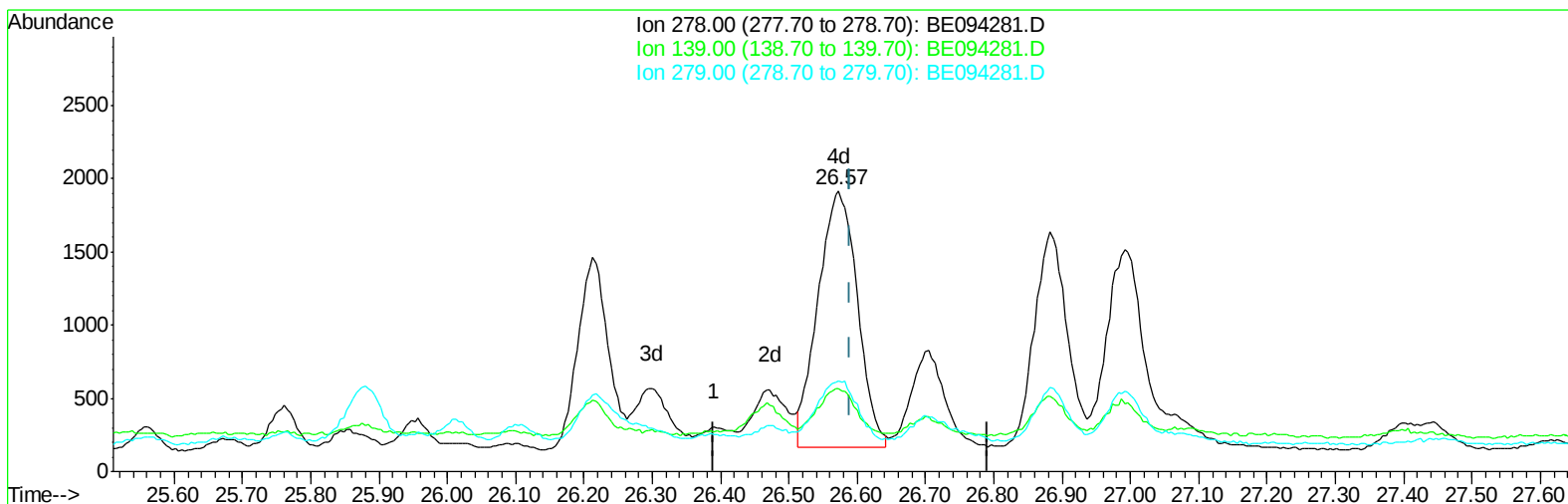
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094281.D
Acq On : 11 Oct 2017 16:07
Operator : SJ/JU
Sample : I5490-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-40(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:30 PM

Quant Time: Oct 12 08:03:18 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 07:31:23 2017
Response via : Initial Calibration



TIC: BE094281.D

(25) Dibenzo(a,h)anthracene

26.573min (-0.018) 0.25ng/ul m

response 6982

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	29.47#
279.00	32.40	32.39
0.00	0.00	0.00

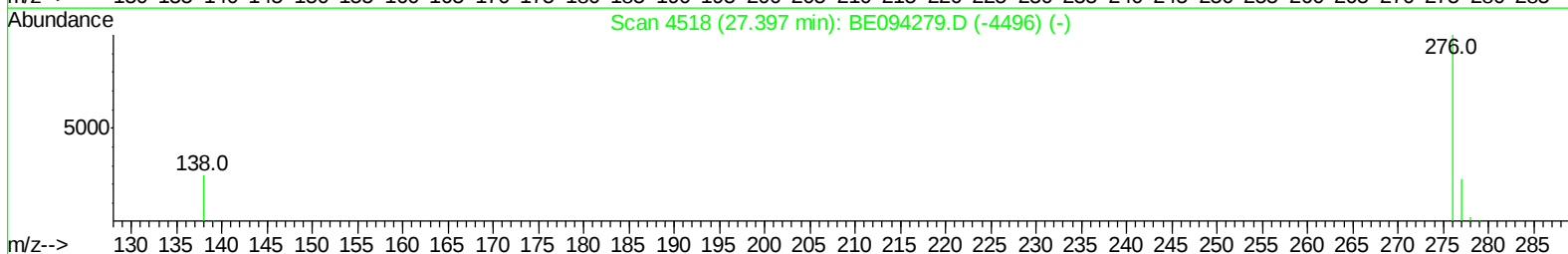
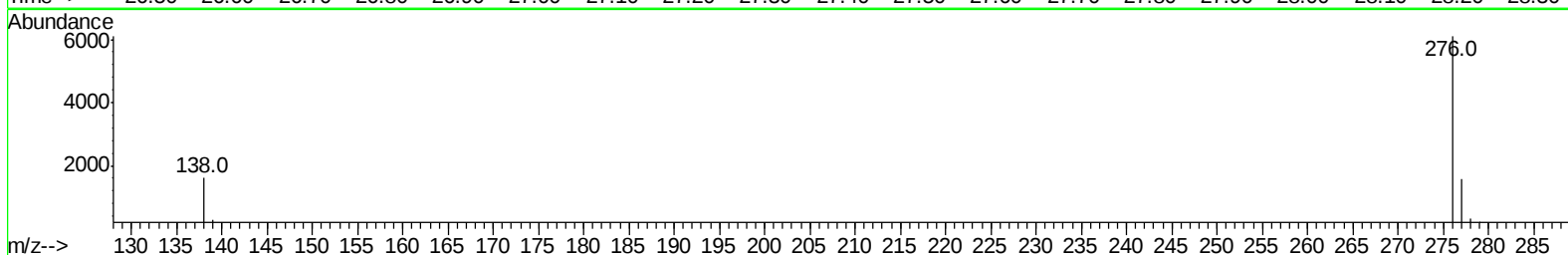
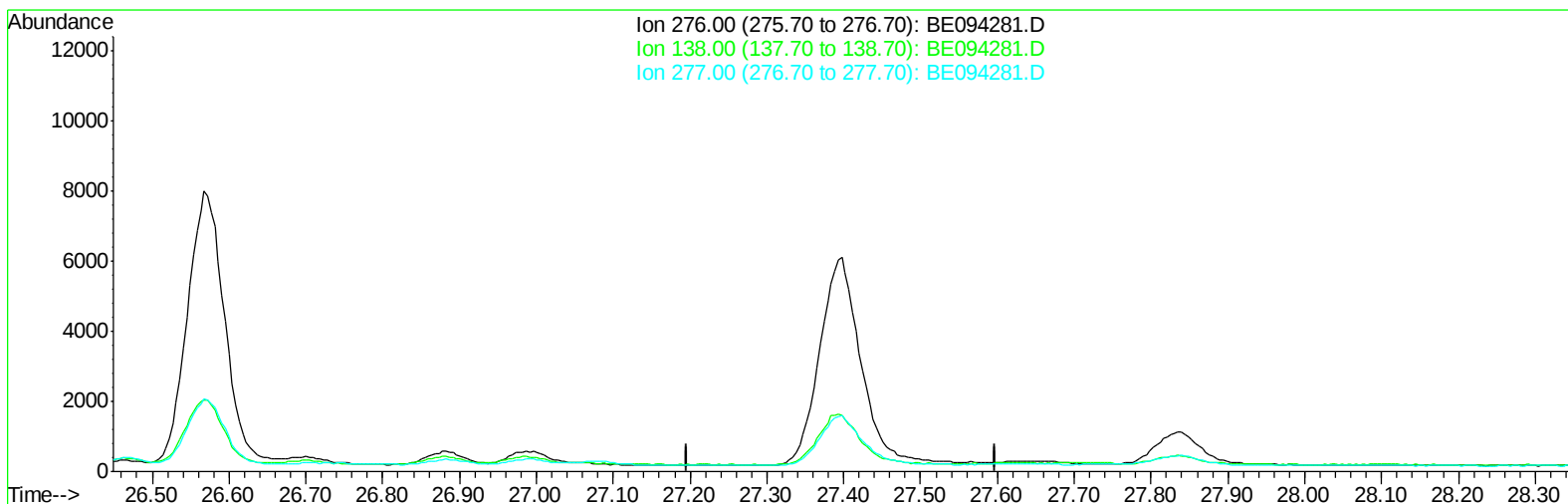
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094281.D
Acq On : 11 Oct 2017 16:07
Operator : SJ/JU
Sample : I5490-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-40(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:30 PM

Quant Time: Oct 12 08:03:18 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 07:31:23 2017
Response via : Initial Calibration



TIC: BE094281.D

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

27.397min (-27.397) 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

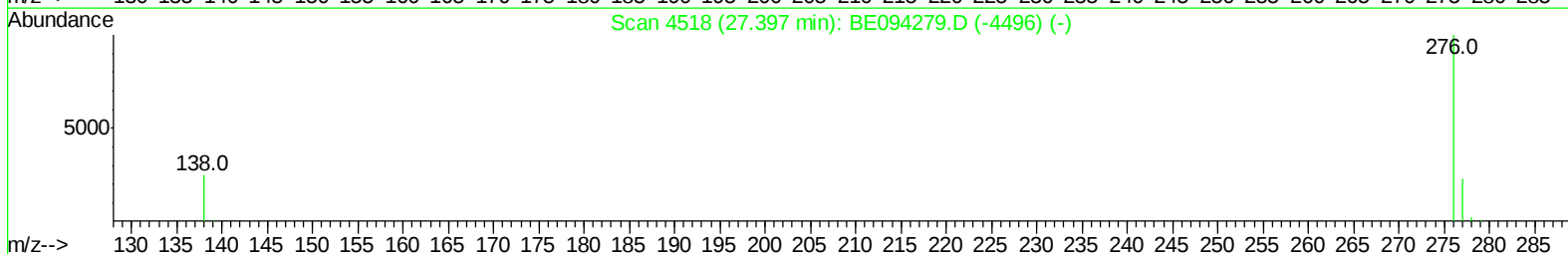
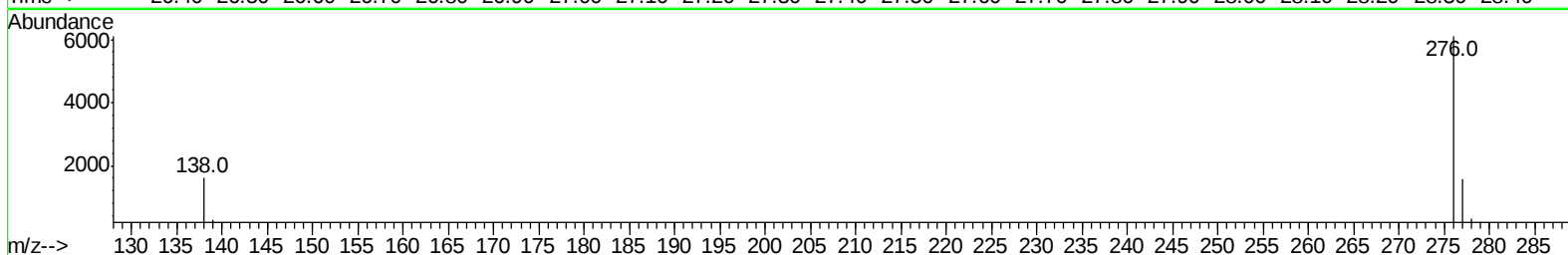
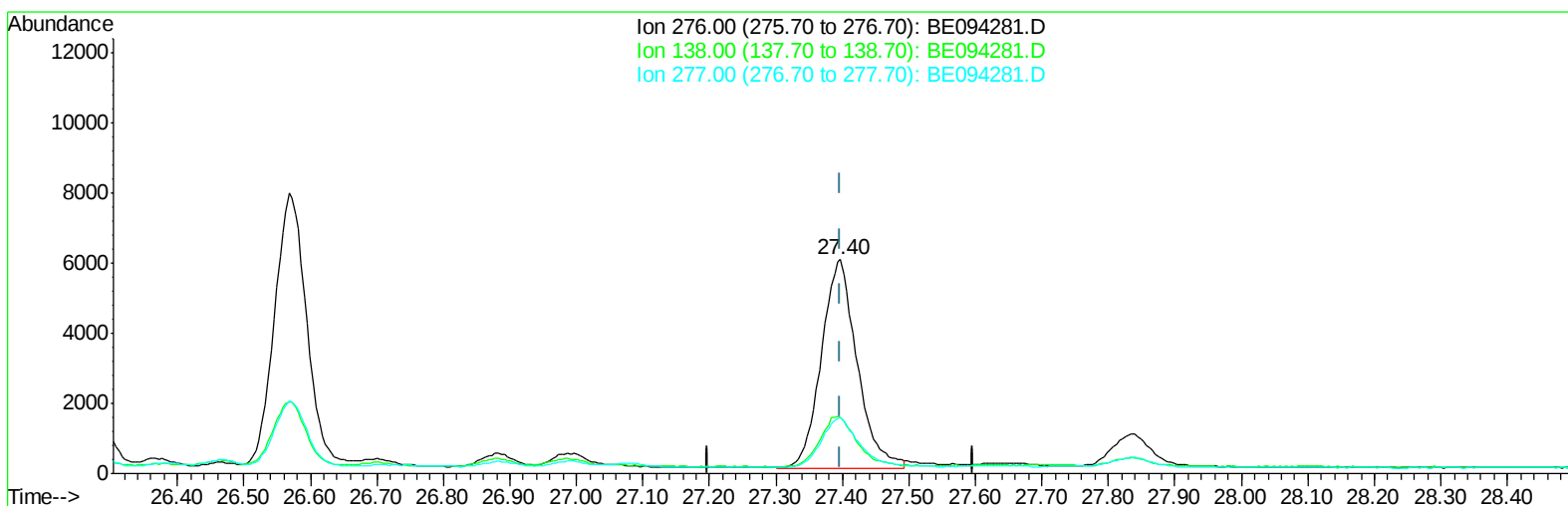
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094281.D
Acq On : 11 Oct 2017 16:07
Operator : SJ/JU
Sample : I5490-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-40(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:30 PM

Quant Time: Oct 12 08:03:18 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 07:31:23 2017
Response via : Initial Calibration



TIC: BE094281.D

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

27.397min (-0.000) 0.77ng/ul m

response 22361

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	26.45
277.00	25.60	26.14
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
 Data File : BE094281.D
 Acq On : 11 Oct 2017 16:07
 Operator : SJ/JU
 Sample : I5490-08
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-40(5-7)-092717

Manual Integrations
 APPROVED

Sohil
 10/13/2017 12:05:30 PM

Quant Time: Oct 12 08:06:48 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 12 07:31:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1792	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	9229	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	5541	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.24	188	11117m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	11759	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	11671m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	4311	0.30	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	10776	0.29	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	2182	0.097	ng/ul#	92
5) 2-Methylnaphthalene	12.34	142	776	0.053	ng/ul	97
7) Acenaphthylene	14.24	152	1995	0.092	ng/ul	94
8) Acenaphthene	14.57	153	832	0.047	ng/ul	97
9) Fluorene	15.56	166	1071	0.051	ng/ul#	91
12) Phenanthrene	17.29	178	28322m	0.975	ng/ul	
13) Anthracene	17.38	178	6214	0.220	ng/ul	95
15) Fluoranthene	19.30	202	65208	1.708	ng/ul	84
17) Pyrene	19.66	202	66184	2.023	ng/ul#	83
18) Benzo(a)anthracene	21.39	228	37744	1.210	ng/ul#	86
19) Chrysene	21.45	228	38966	1.082	ng/ul	98
21) Benzo(b)fluoranthene	23.14	252	50750	1.601	ng/ul	87
22) Benzo(k)fluoranthene	23.19	252	16787m	0.458	ng/ul	
23) Benzo(a)pyrene	23.81	252	34620m	1.051	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.57	276	26281m	0.780	ng/ul	
25) Dibenzo(a,h)anthracene	26.57	278	6982m	0.247	ng/ul	
26) Benzo(a,h,i)perylene	27.40	276	22361m	0.769	ng/ul	

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

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094281.D
Acq On : 11 Oct 2017 16:07
Operator : SJ/JU
Sample : I5490-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-40(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:30 PM

Quant Time: Oct 12 08:06:48 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 07:31:23 2017
Response via : Initial Calibration

