

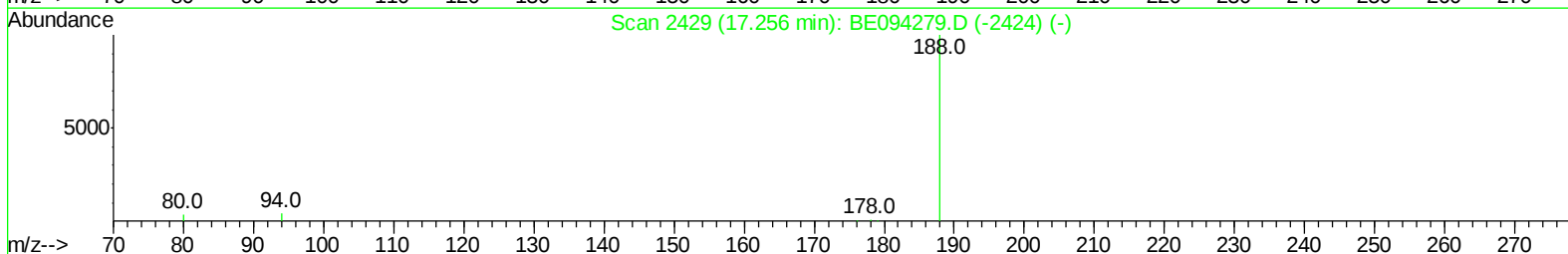
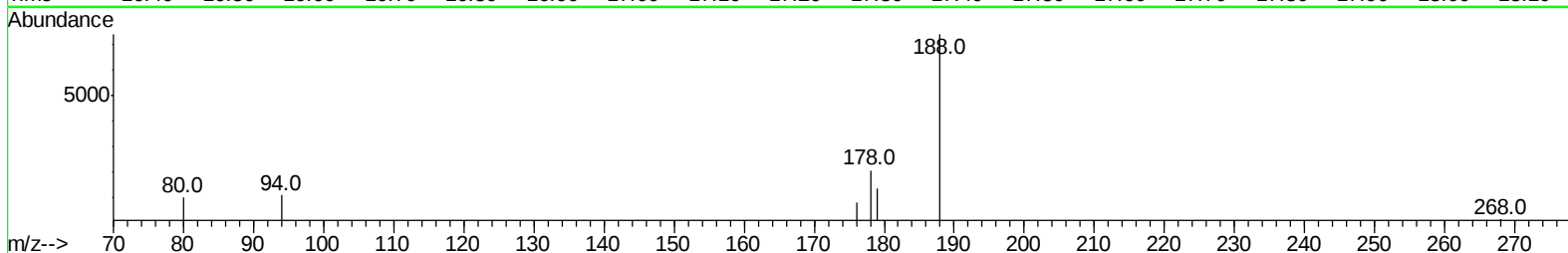
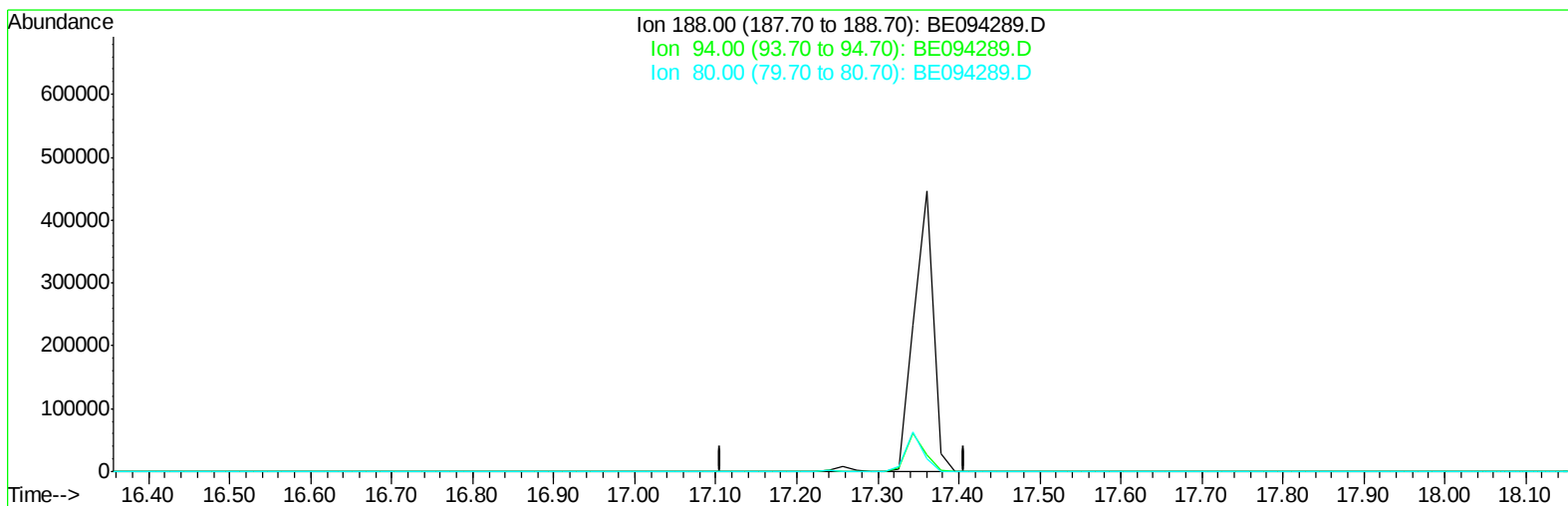
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094289.D
Acq On : 11 Oct 2017 21:06
Operator : SJ/JU
Sample : I5490-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-70(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:45 PM

Quant Time: Oct 12 07:36:25 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: BE094289.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

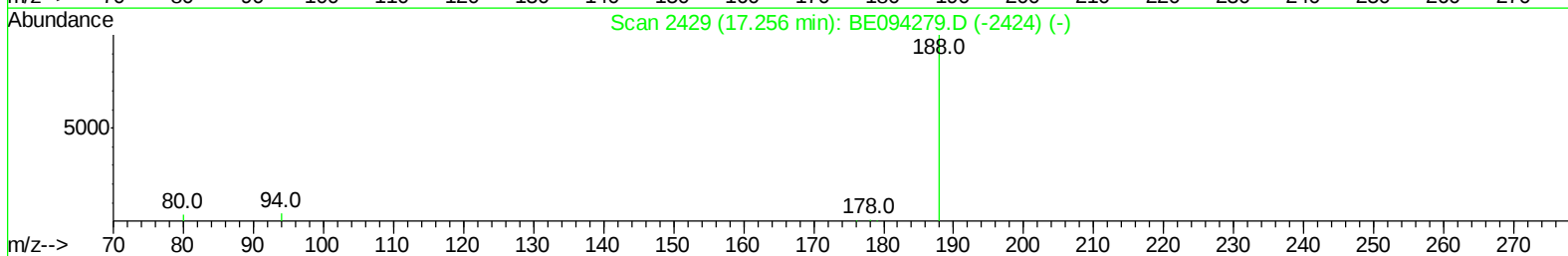
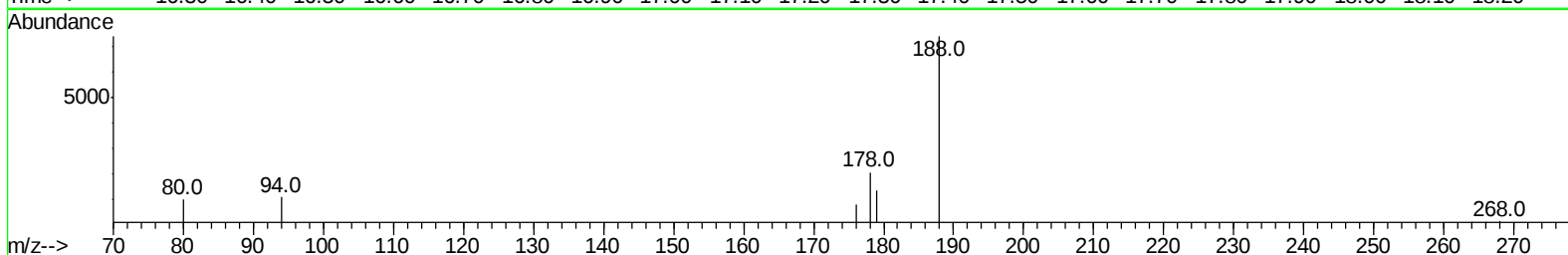
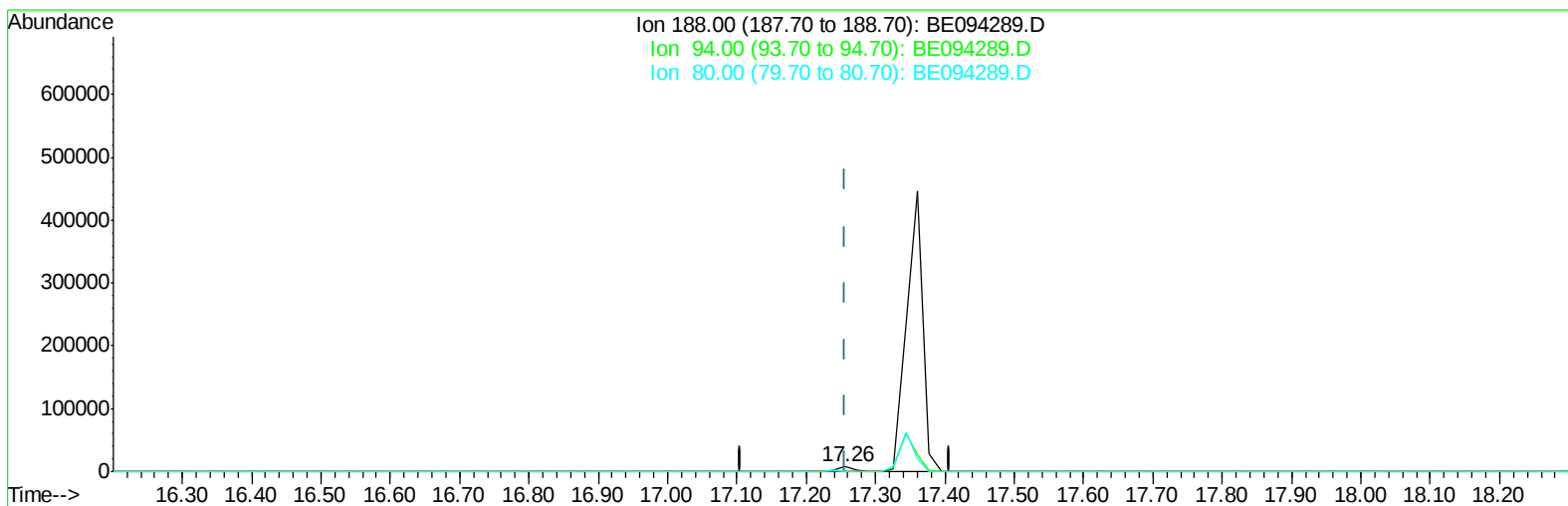
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094289.D
Acq On : 11 Oct 2017 21:06
Operator : SJ/JU
Sample : I5490-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-70(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:45 PM

Quant Time: Oct 12 07:36:25 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: BE094289.D

(10) Phenanthrene-d10 (I)

17.256min (+0.000) 0.40ng/ul m

response 11555

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	14.57#
80.00	11.80	13.11
0.00	0.00	0.00

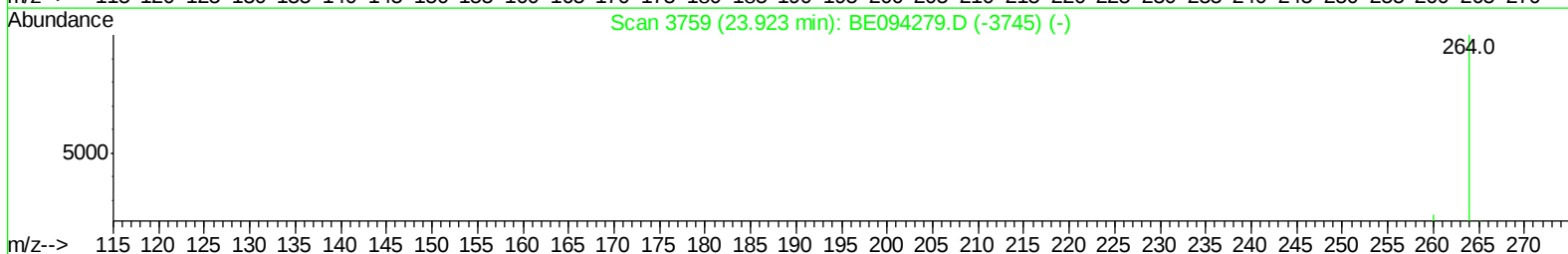
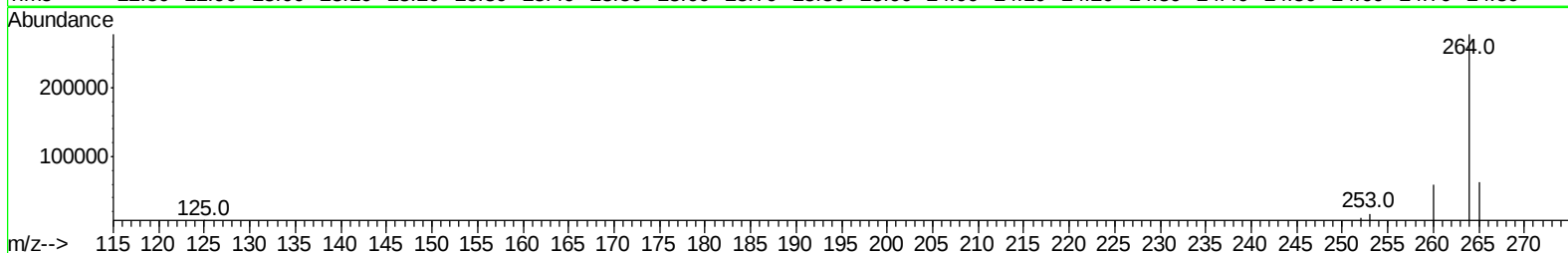
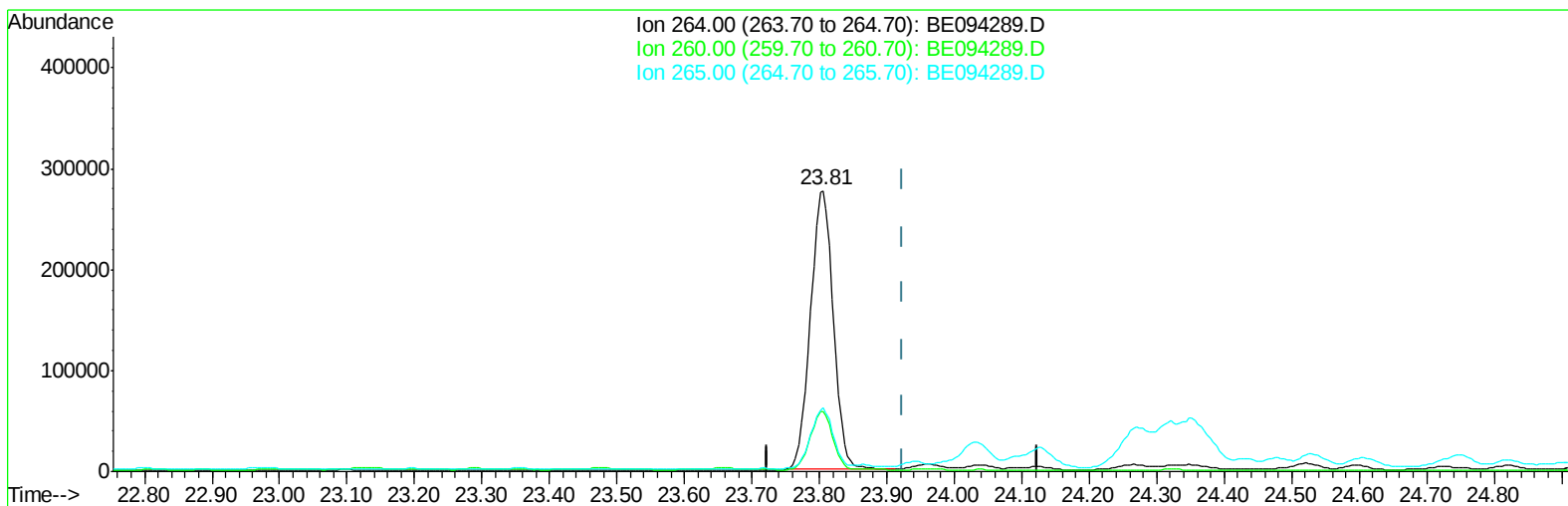
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094289.D
Acq On : 11 Oct 2017 21:06
Operator : SJ/JU
Sample : I5490-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-70(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:45 PM

Quant Time: Oct 12 08:39:18 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: BE094289.D

(20) Perylene-d12 (I)

23.806min (-0.117) 0.40ng/ul

response 645347

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.30#
265.00	103.50	22.55#
0.00	0.00	0.00

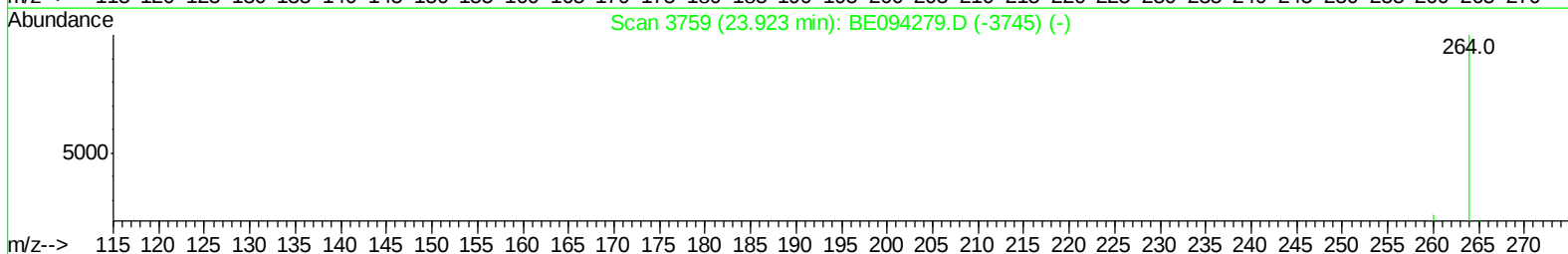
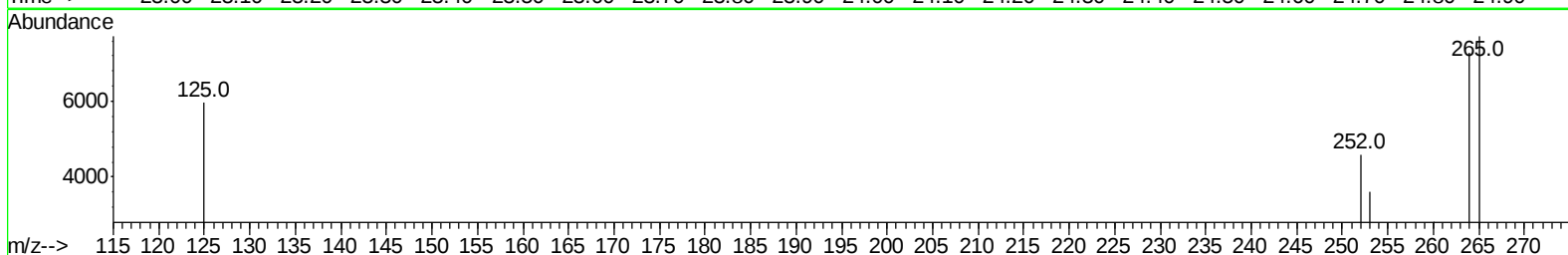
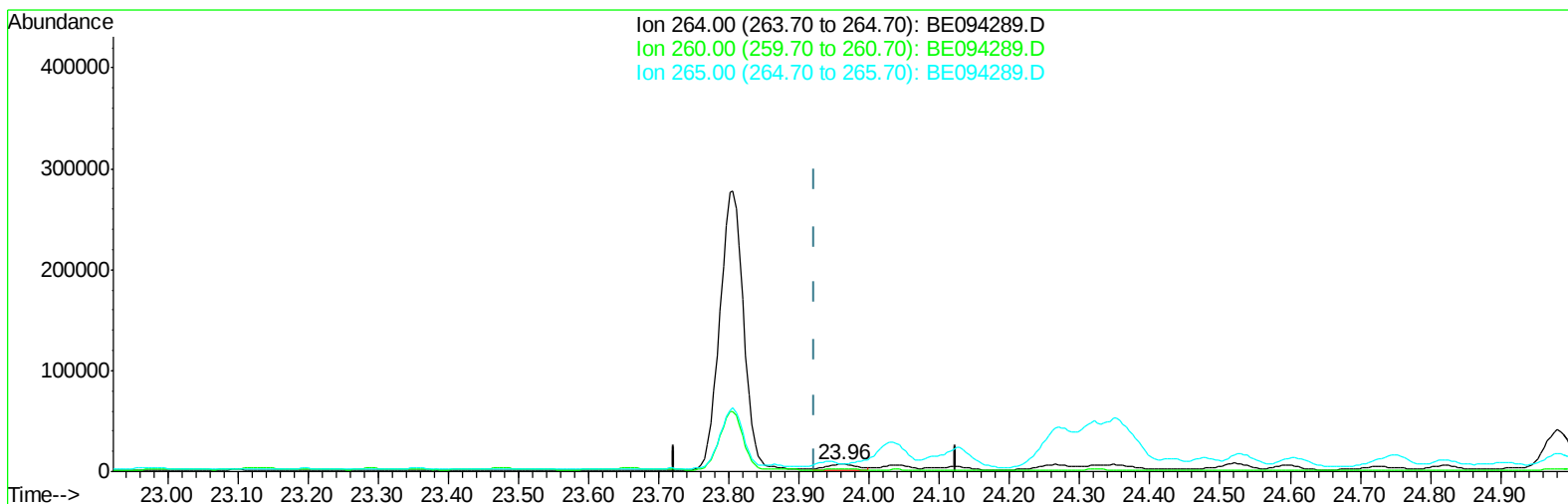
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094289.D
Acq On : 11 Oct 2017 21:06
Operator : SJ/JU
Sample : I5490-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-70(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:45 PM

Quant Time: Oct 12 08:39:18 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: BE094289.D

(20) Perylene-d12 (I)

23.960min (+0.037) 0.40ng/ul m

response 18094

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	38.48#
265.00	103.50	106.02
0.00	0.00	0.00

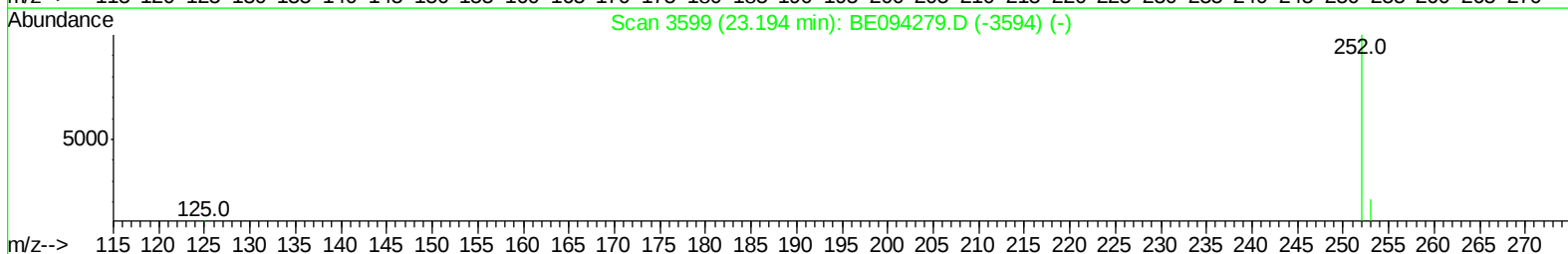
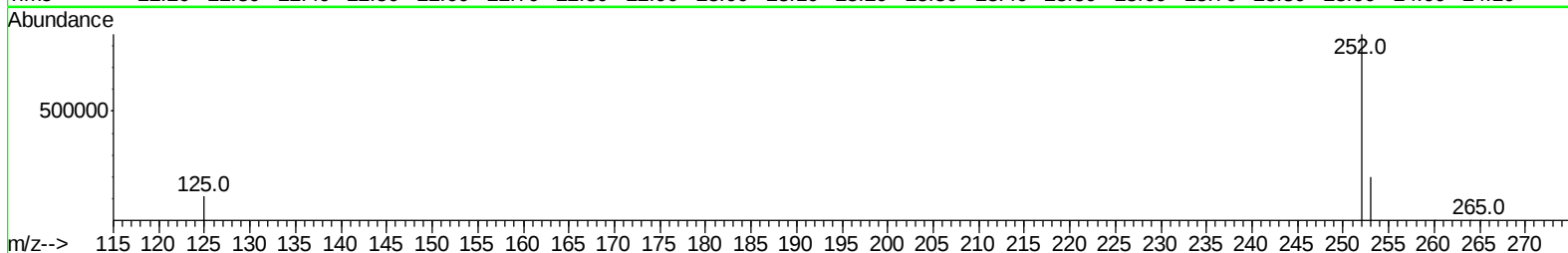
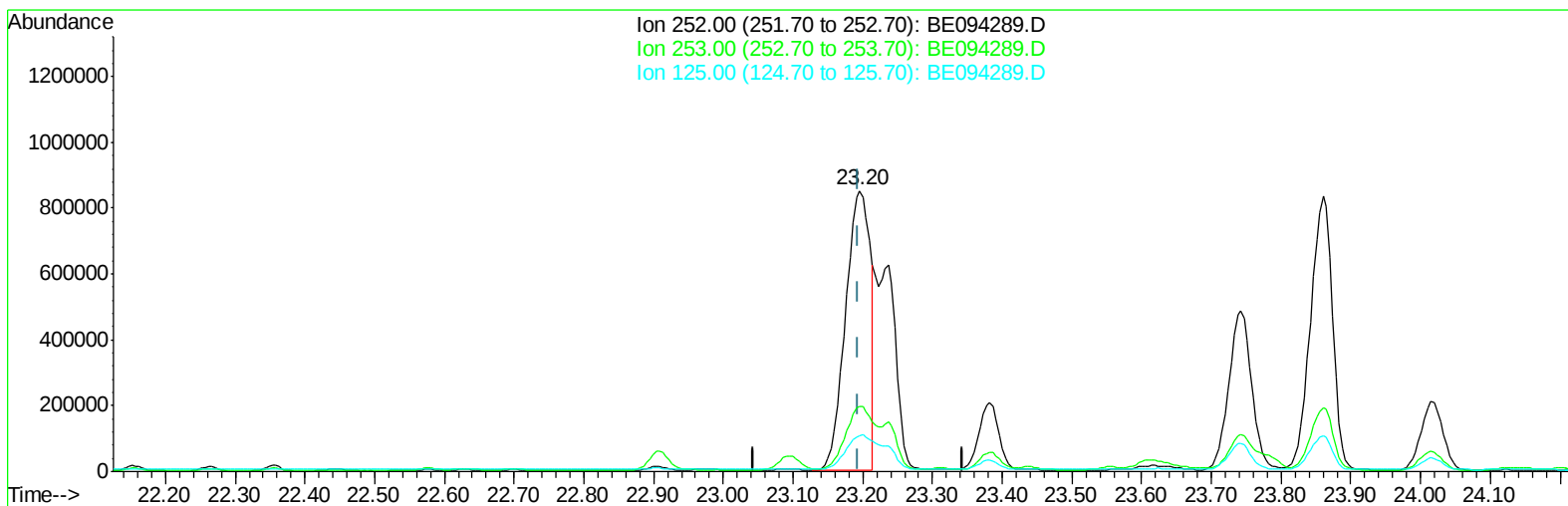
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094289.D
Acq On : 11 Oct 2017 21:06
Operator : SJ/JU
Sample : I5490-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-70(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:45 PM

Quant Time: Oct 12 08:40:42 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: BE094289.D

(22) Benzo(k)fluoranthene

23.195min (+0.001) 36.91ng/ul

response 2097025

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.27#
125.00	17.10	12.95#
0.00	0.00	0.00

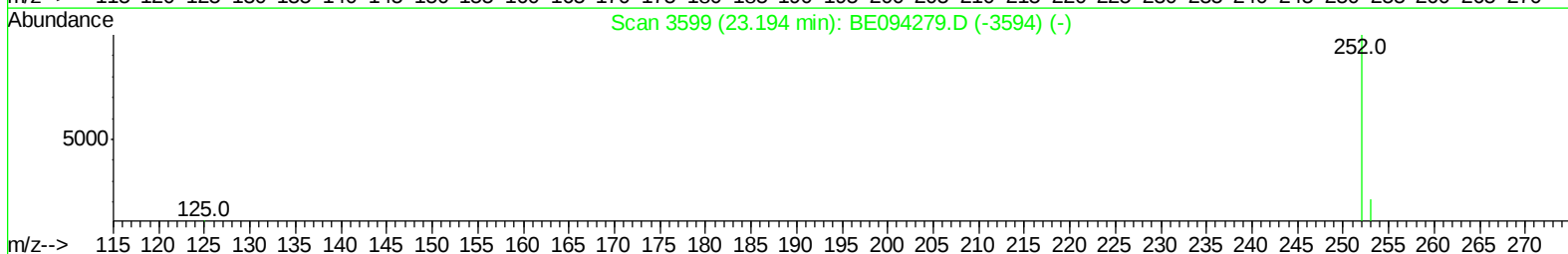
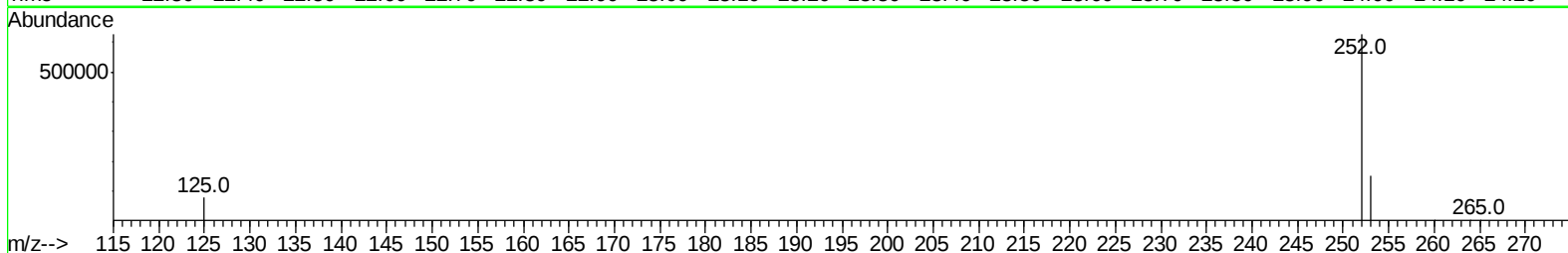
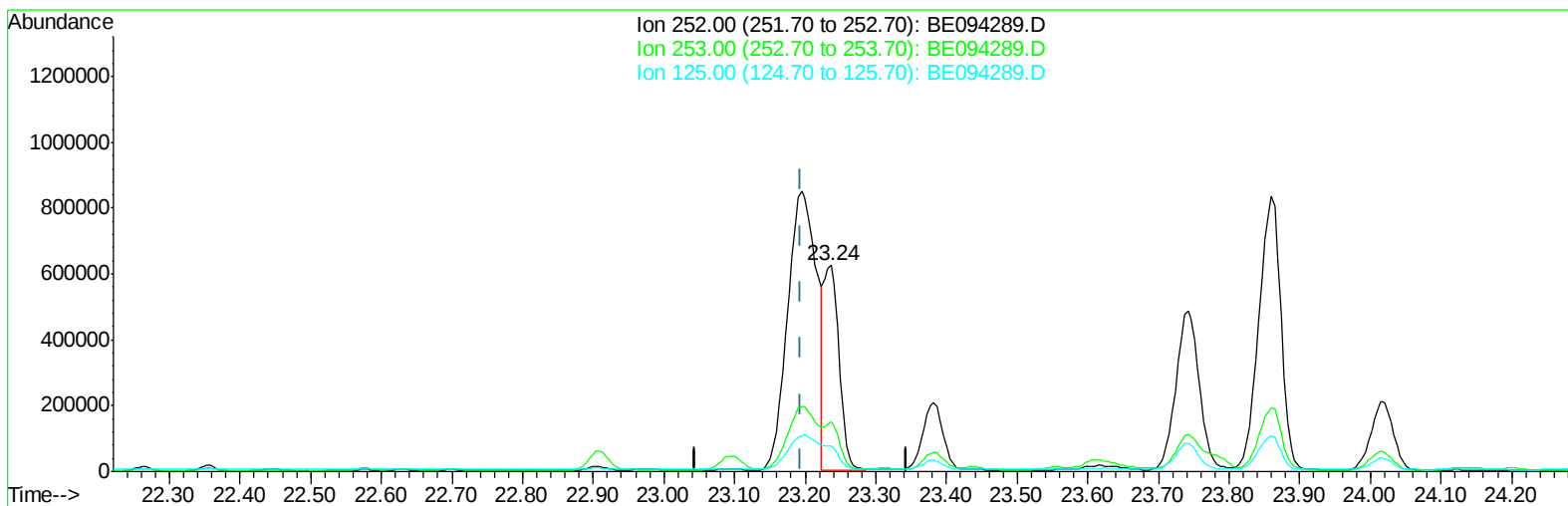
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094289.D
Acq On : 11 Oct 2017 21:06
Operator : SJ/JU
Sample : I5490-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-70(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:45 PM

Quant Time: Oct 12 08:40:42 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: BE094289.D

(22) Benzo(k)fluoranthene

23.236min (+0.042) 16.32ng/ul m

response 927020

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.80#
125.00	17.10	12.42#
0.00	0.00	0.00

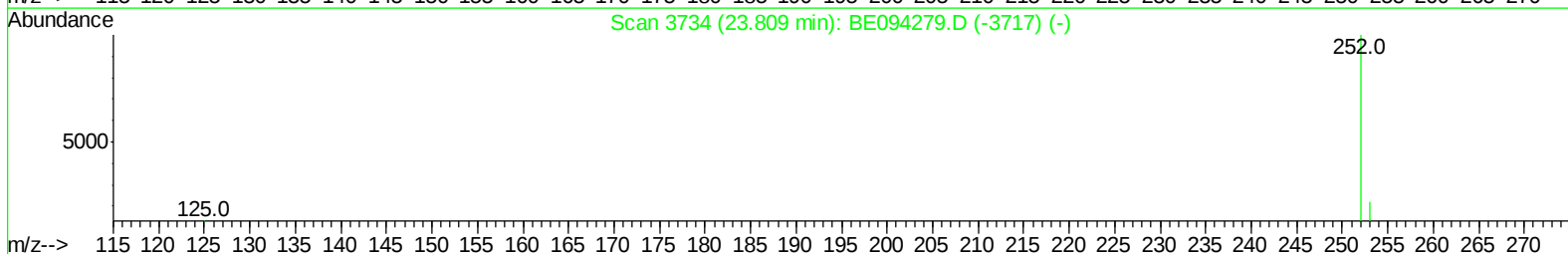
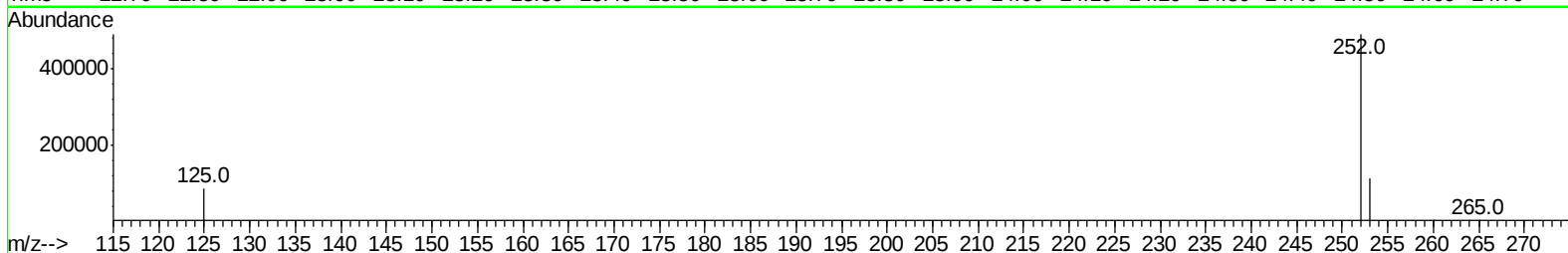
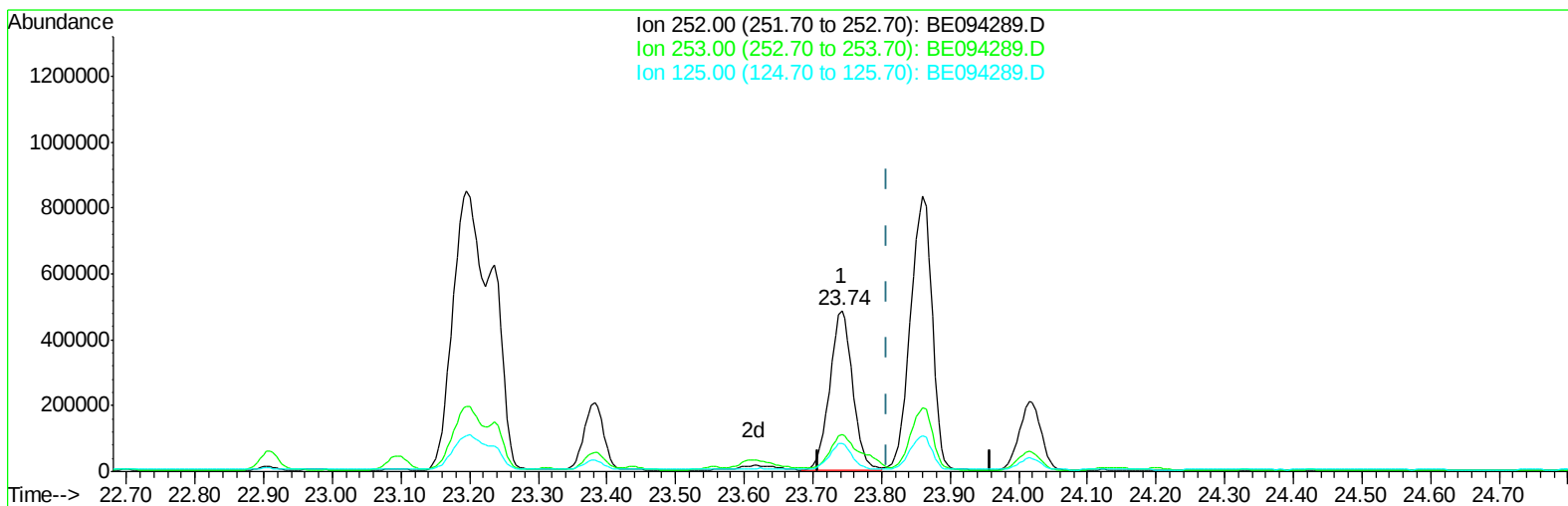
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094289.D
Acq On : 11 Oct 2017 21:06
Operator : SJ/JU
Sample : I5490-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-70(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:45 PM

Quant Time: Oct 12 08:40:42 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: BE094289.D

(23) Benzo(a)pyrene (C)

23.742min (-0.067) 21.89ng/ul

response 1118123

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	22.94#
125.00	22.60	17.60#
0.00	0.00	0.00

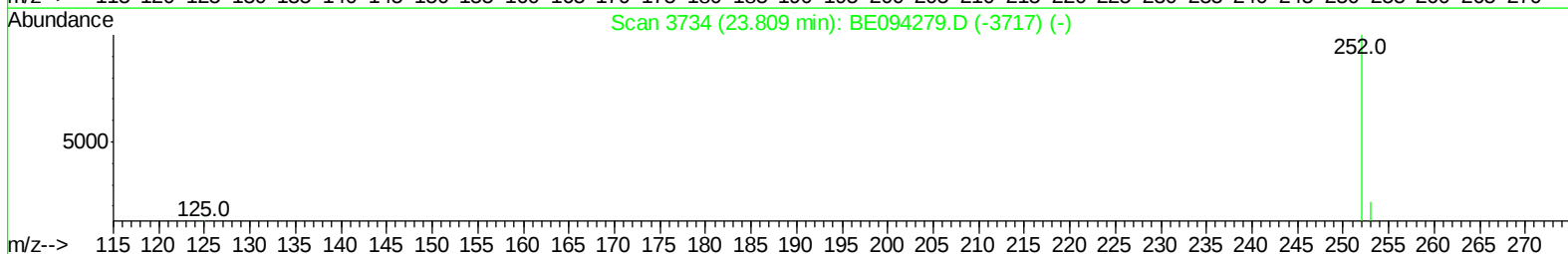
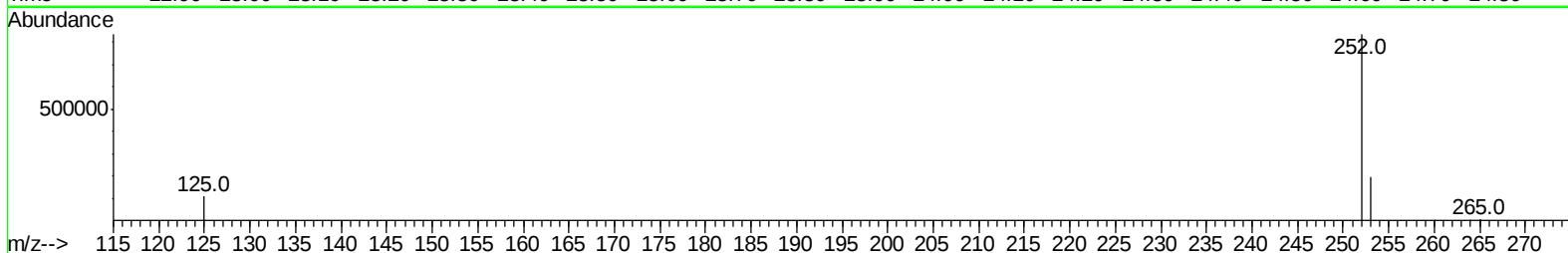
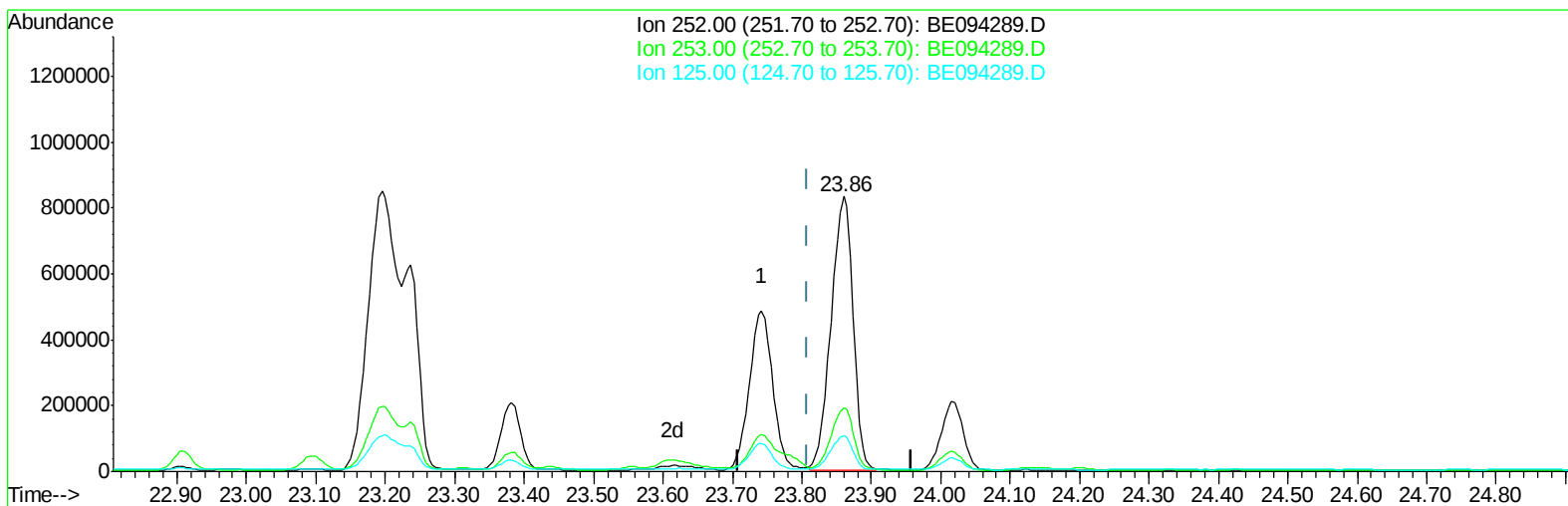
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094289.D
Acq On : 11 Oct 2017 21:06
Operator : SJ/JU
Sample : I5490-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-70(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:45 PM

Quant Time: Oct 12 08:40:42 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: BE094289.D

(23) Benzo(a)pyrene (C)

23.860min (+0.051) 35.43ng/ul m

response 1809696

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	23.40#
125.00	22.60	13.18#
0.00	0.00	0.00

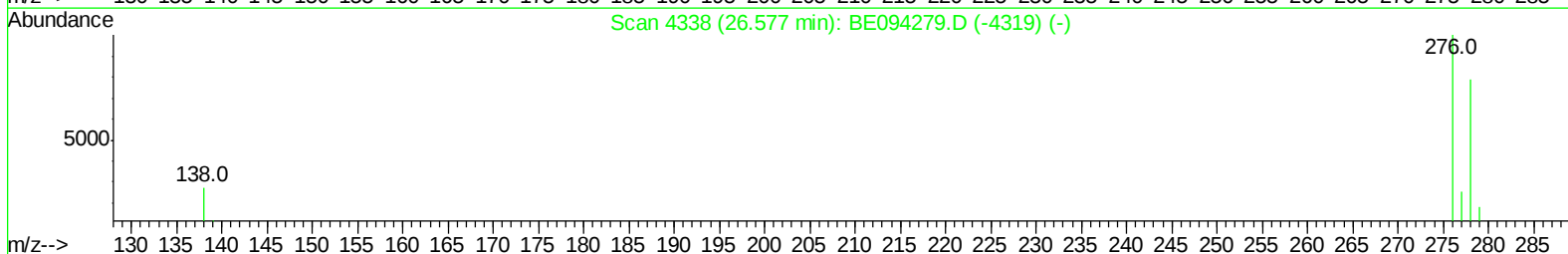
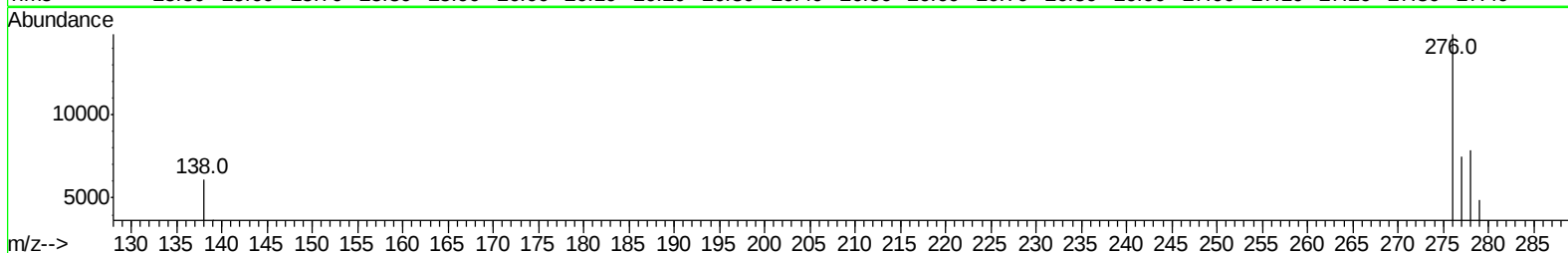
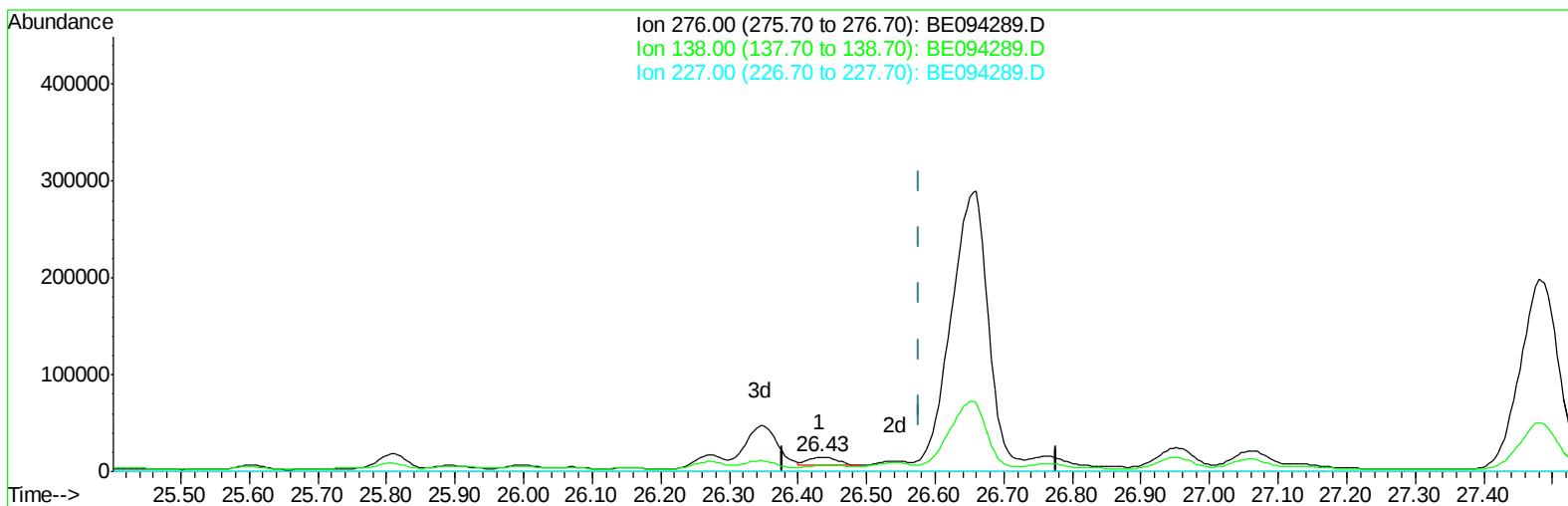
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094289.D
Acq On : 11 Oct 2017 21:06
Operator : SJ/JU
Sample : I5490-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-70(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:45 PM

Quant Time: Oct 12 08:40:42 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: BE094289.D

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

26.432min (-0.146) 0.53ng/ul

response 27924

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	27.53#
227.00	10.00	0.00#
0.00	0.00	0.00

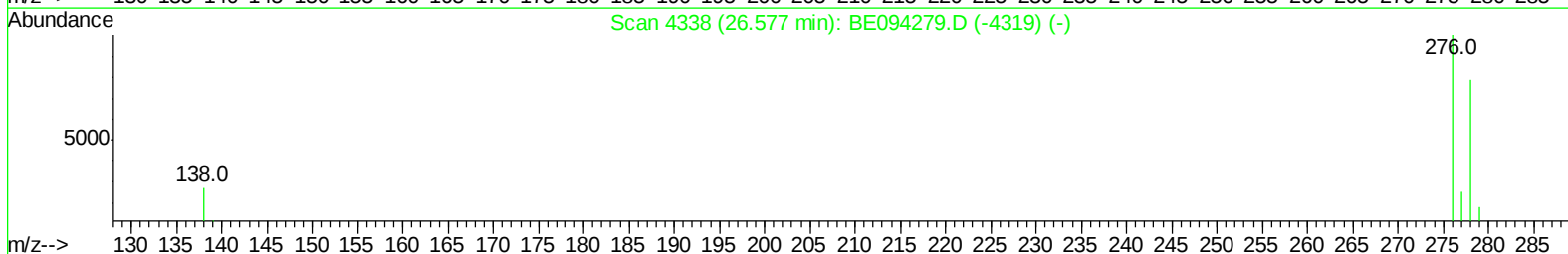
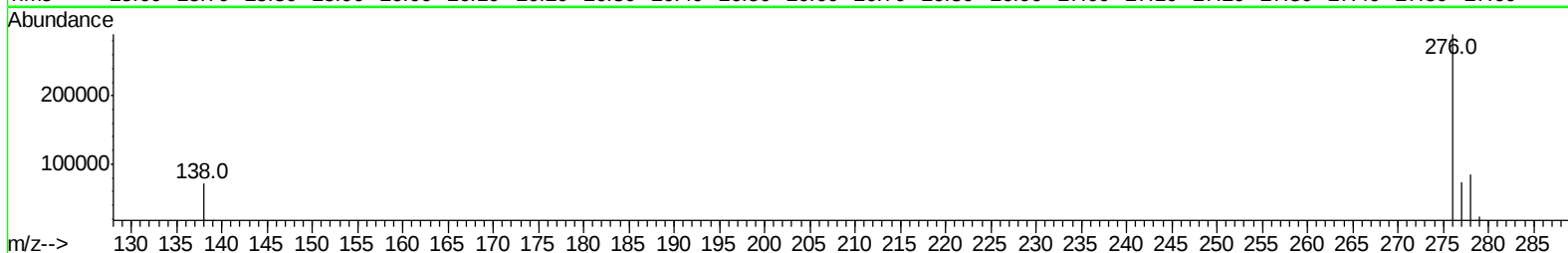
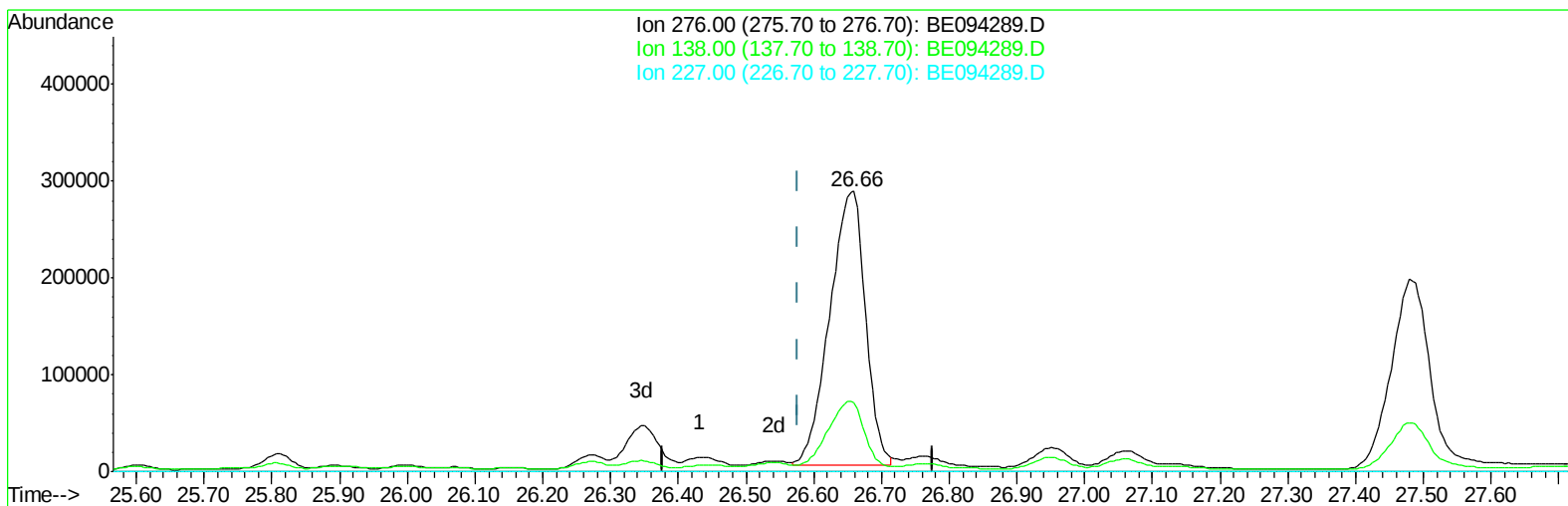
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094289.D
Acq On : 11 Oct 2017 21:06
Operator : SJ/JU
Sample : I5490-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-70(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:45 PM

Quant Time: Oct 12 08:40:42 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: BE094289.D

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

26.659min (+0.082) 19.88ng/ul m

response 1038877

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	0.74#
227.00	10.00	0.00#
0.00	0.00	0.00

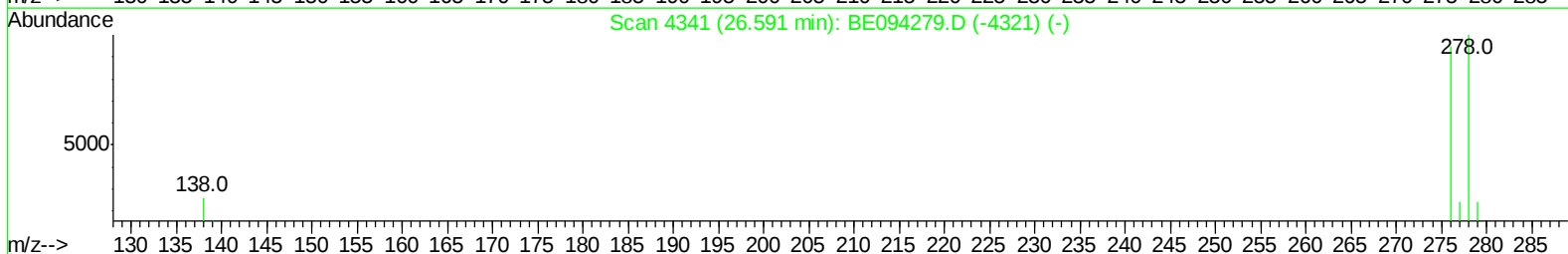
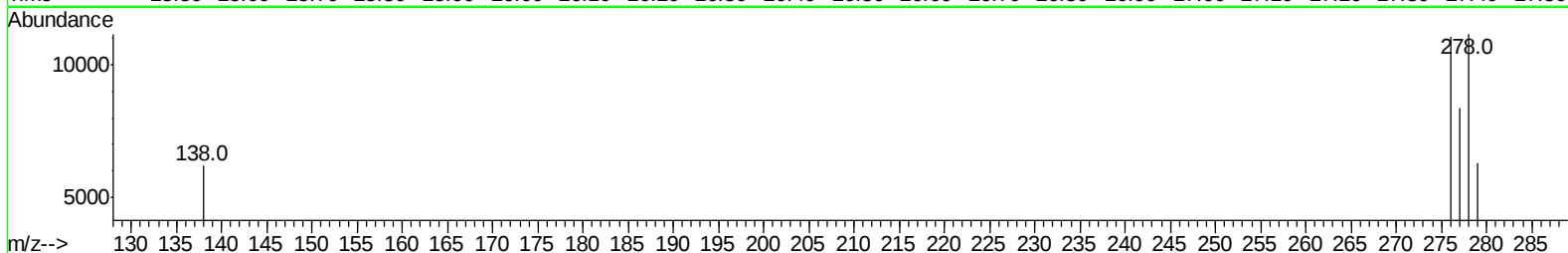
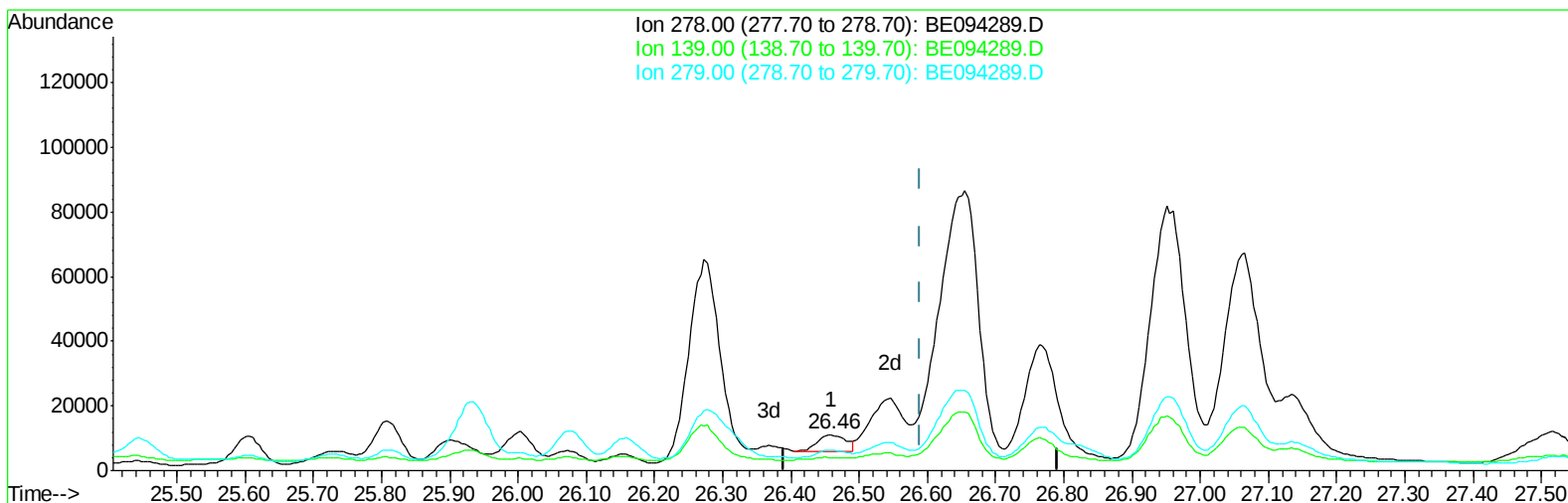
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094289.D
Acq On : 11 Oct 2017 21:06
Operator : SJ/JU
Sample : I5490-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-70(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:45 PM

Quant Time: Oct 12 08:40:42 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: BE094289.D

(25) Dibenzo(a,h)anthracene

26.459min (-0.132) 0.34ng/ul

response 14919

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	36.92#
279.00	32.40	56.31#
0.00	0.00	0.00

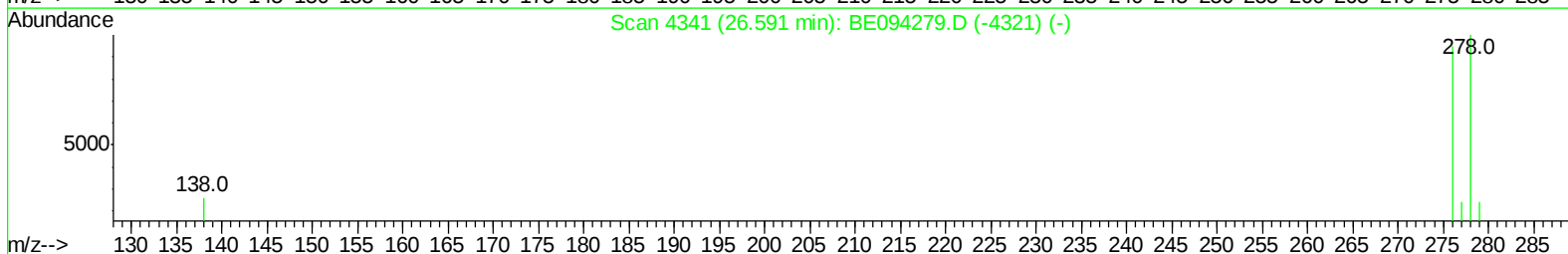
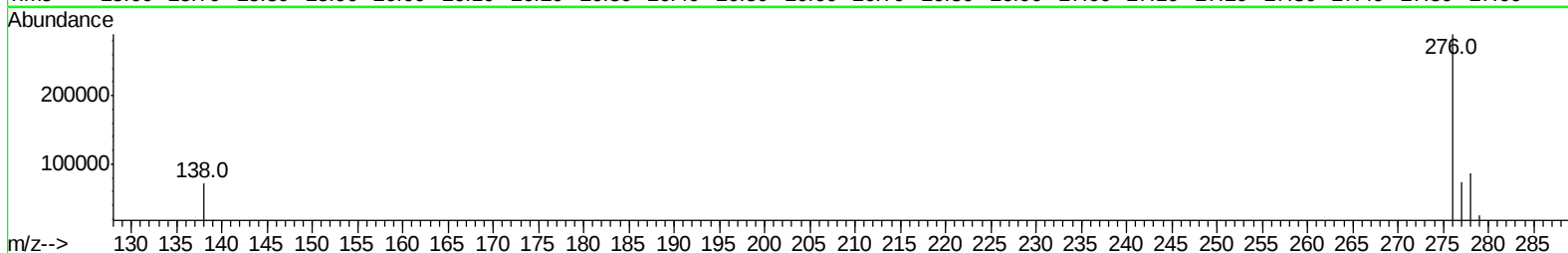
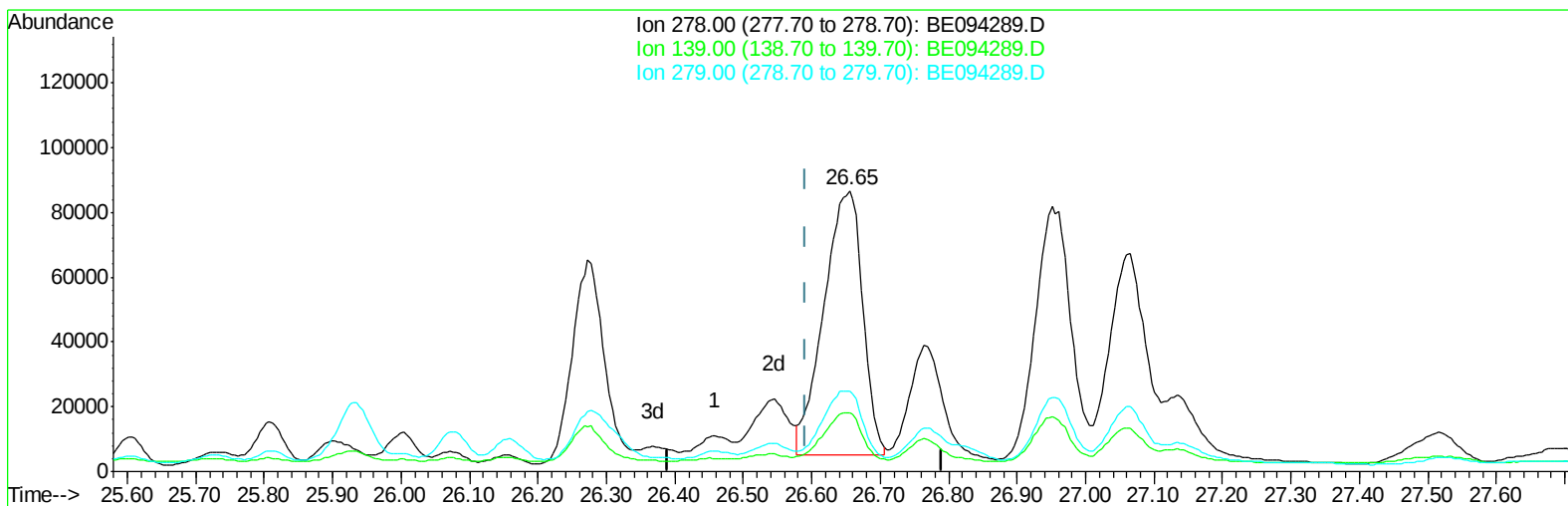
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094289.D
Acq On : 11 Oct 2017 21:06
Operator : SJ/JU
Sample : I5490-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-70(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:45 PM

Quant Time: Oct 12 08:40:42 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: BE094289.D

(25) Dibenzo(a,h)anthracene

26.655min (+0.064) 7.33ng/ul m

response 321043

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	20.95
279.00	32.40	28.67
0.00	0.00	0.00

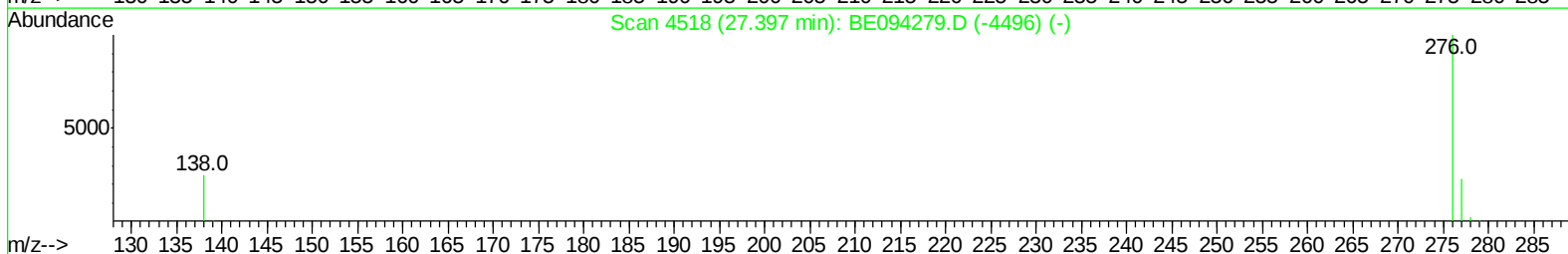
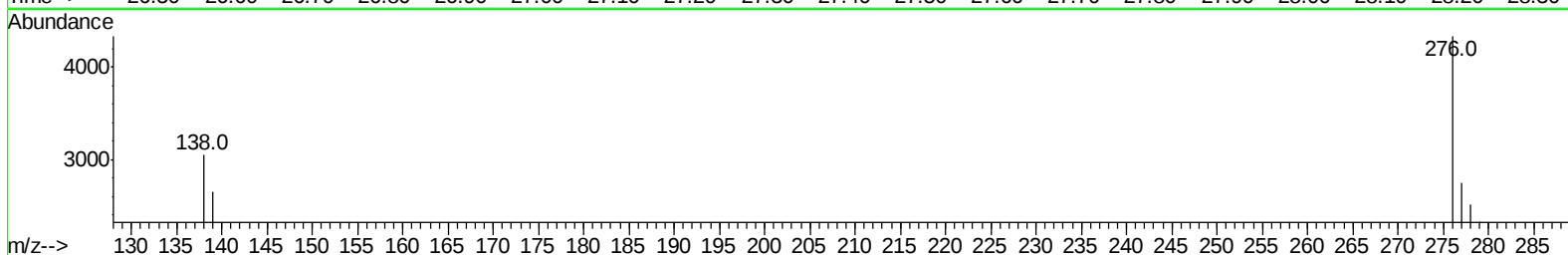
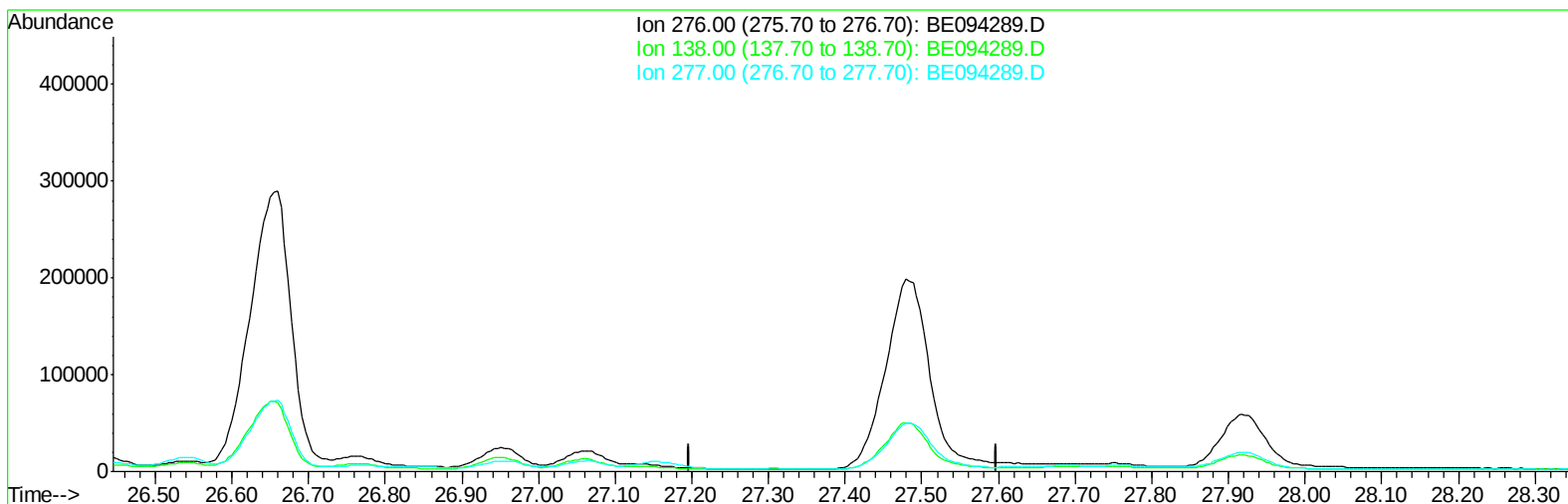
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
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Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:45 PM

Quant Time: Oct 12 08:40:42 2017
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Response via : Initial Calibration



TIC: BE094289.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

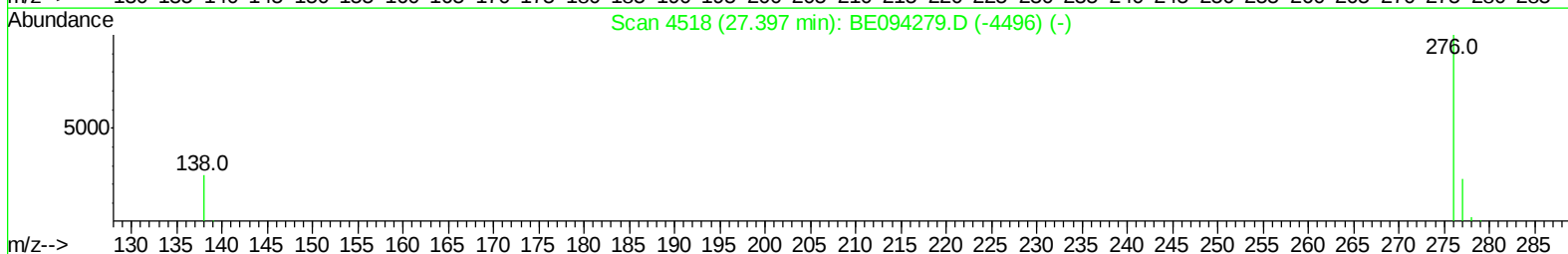
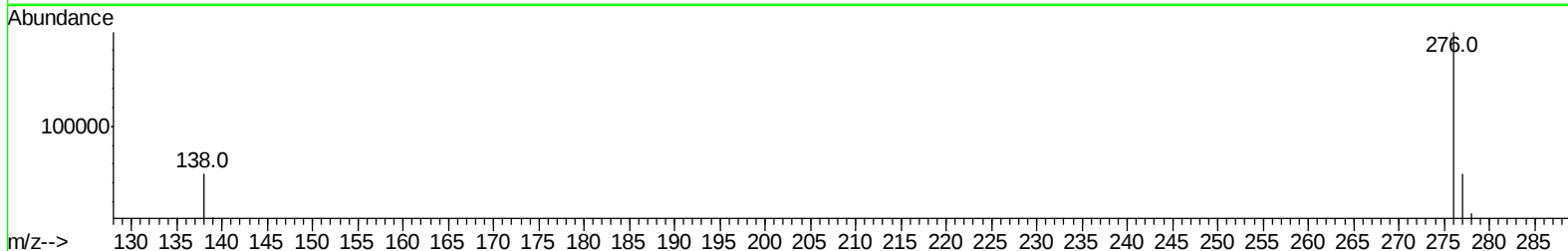
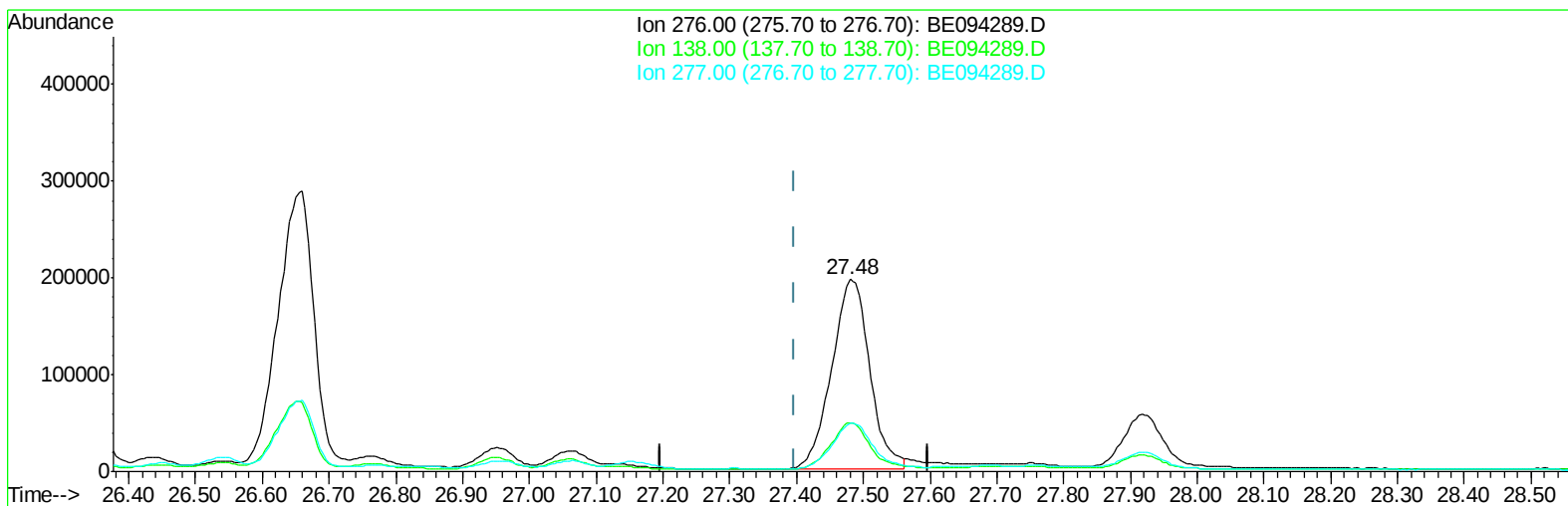
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094289.D
Acq On : 11 Oct 2017 21:06
Operator : SJ/JU
Sample : I5490-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-70(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:45 PM

Quant Time: Oct 12 08:40:42 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
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QLast Update : Thu Oct 12 07:31:23 2017
Response via : Initial Calibration



TIC: BE094289.D

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

27.480min (+0.082) 17.35ng/ul m

response 781908

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	25.35
277.00	25.60	25.19
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
 Data File : BE094289.D
 Acq On : 11 Oct 2017 21:06
 Operator : SJ/JU
 Sample : I5490-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-70(5-7)-092717

Manual Integrations
 APPROVED

Sohil
 10/13/2017 12:05:45 PM

Quant Time: Oct 12 08:43:05 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
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1991	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	9637	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	6163	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	11555m	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	10862	0.40	ng/ul	0.02
20) Perylene-d12	23.96	264	18094m	0.40	ng/ul	0.04
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	4302	0.29	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	8444	0.22	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.74	128	112954	4.785	ng/ul#	91
5) 2-Methylnaphthalene	12.35	142	58220	3.802	ng/ul	98
7) Acenaphthylene	14.24	152	12968	0.540	ng/ul#	88
8) Acenaphthene	14.58	153	133924	6.770	ng/ul	98
9) Fluorene	15.57	166	210440	9.085	ng/ul#	93
12) Phenanthrene	17.29	178	2892285	95.786	ng/ul#	84
13) Anthracene	17.38	178	881372	30.012	ng/ul#	86
15) Fluoranthene	19.32	202	3588961	90.458	ng/ul	83
17) Pyrene	19.68	202	3351235	110.888	ng/ul#	84
18) Benzo(a)anthracene	21.41	228	2160691	74.983	ng/ul#	86
19) Chrysene	21.47	228	2009068	60.374	ng/ul	97
21) Benzo(b)fluoranthene	23.20	252	2257235	45.923	ng/ul	86
22) Benzo(k)fluoranthene	23.24	252	927020m	16.317	ng/ul	
23) Benzo(a)pyrene	23.86	252	1809696m	35.431	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.66	276	1038877m	19.883	ng/ul	
25) Dibenzo(a,h)anthracene	26.65	278	321043m	7.326	ng/ul	
26) Benzo(a,h,i)perylene	27.48	276	781908m	17.350	ng/ul	

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

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