

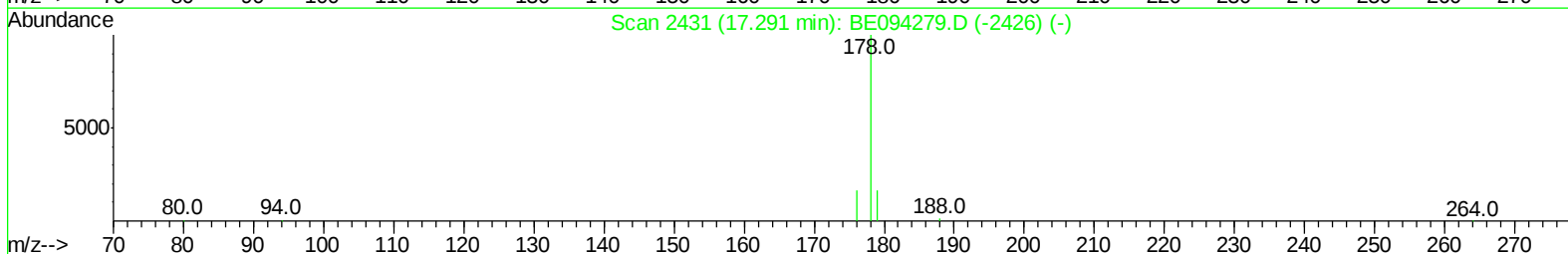
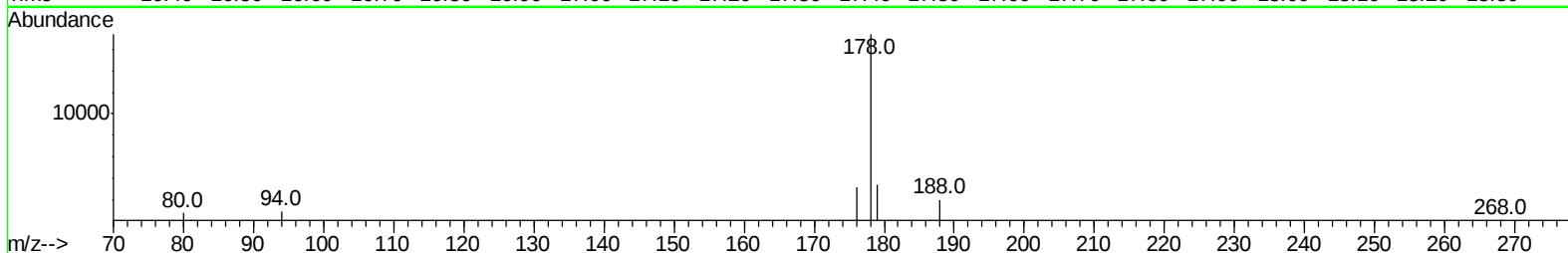
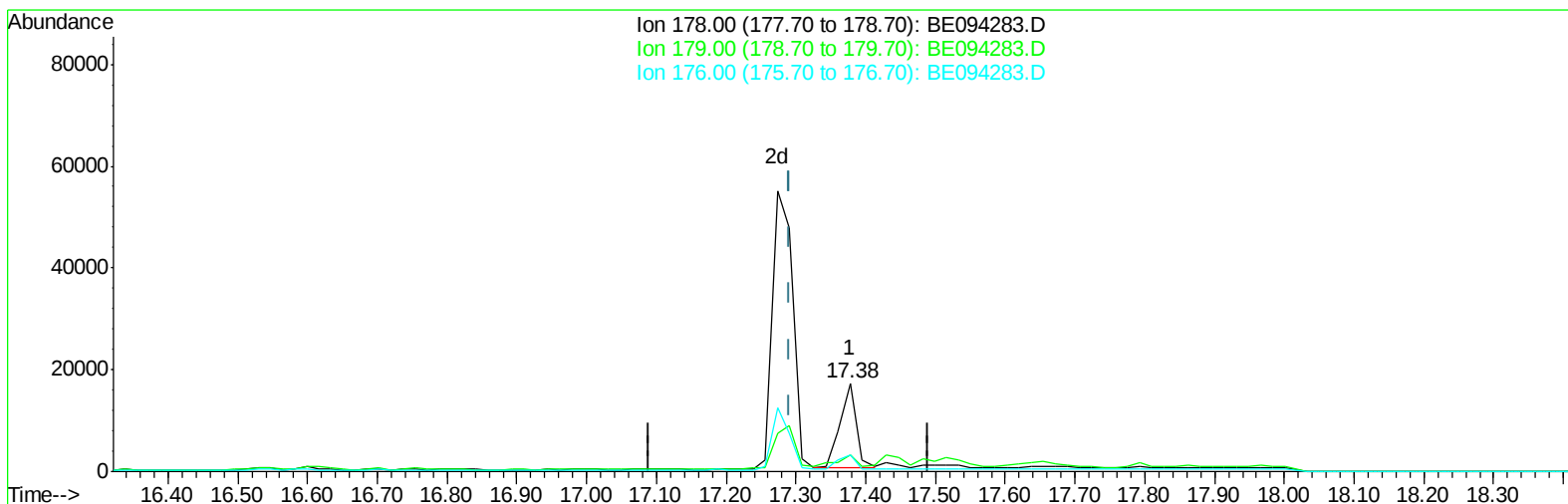
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094283.D
Acq On : 11 Oct 2017 17:22
Operator : SJ/JU
Sample : I5490-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-43(0-1)-092617

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:34 PM

Quant Time: Oct 12 07:35:17 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: BE094283.D

(12) Phenanthrene

17.377min (+0.086) 0.78ng/ul

response 26466

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	19.49
176.00	17.00	18.24
0.00	0.00	0.00

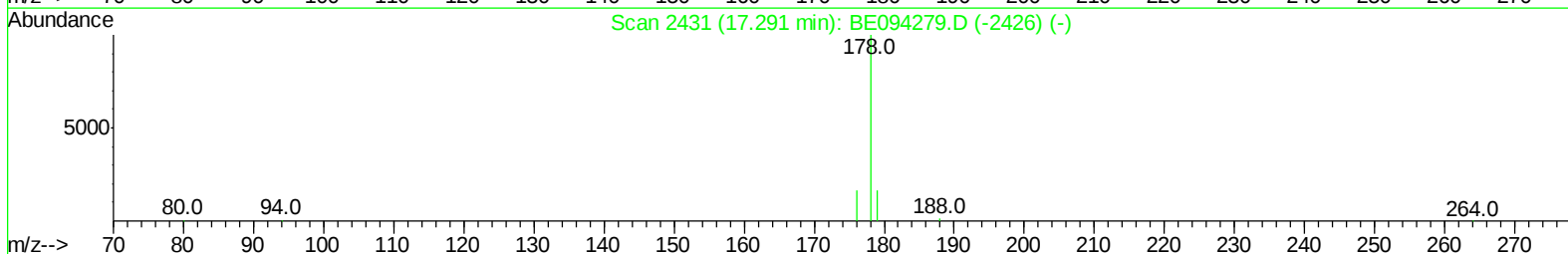
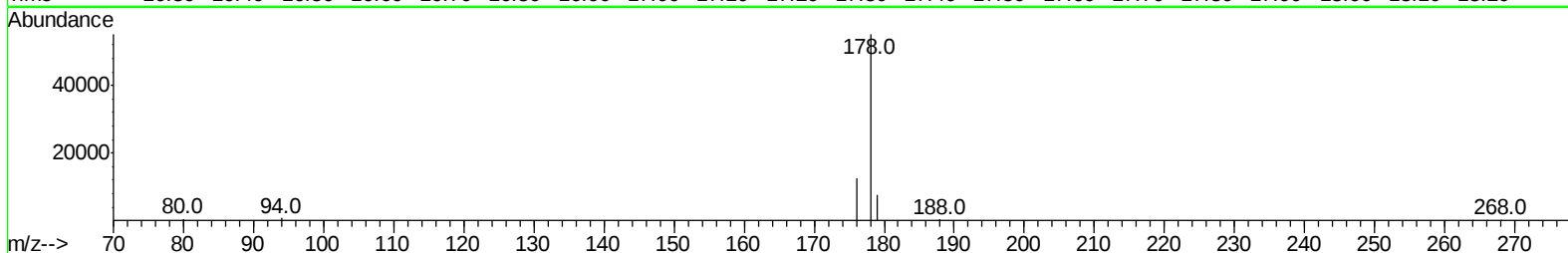
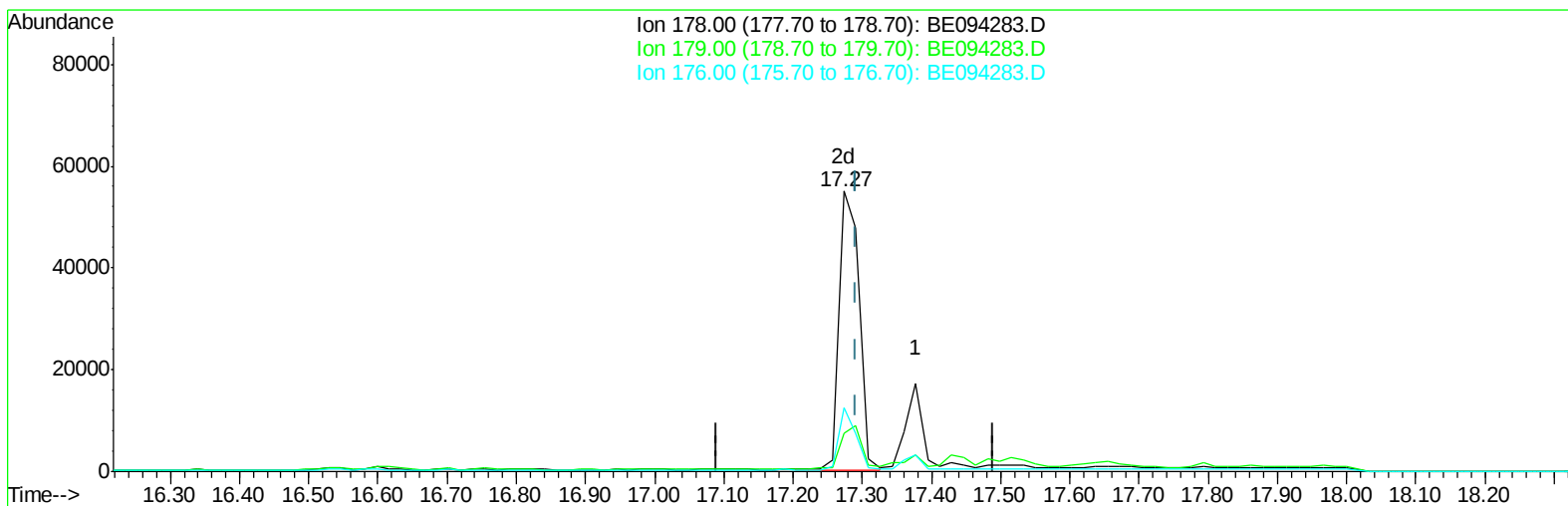
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094283.D
Acq On : 11 Oct 2017 17:22
Operator : SJ/JU
Sample : I5490-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-43(0-1)-092617

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:34 PM

Quant Time: Oct 12 07:35:17 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: BE094283.D

(12) Phenanthrene

17.274min (-0.017) 3.30ng/ul m

response 111986

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	13.79#
176.00	17.00	22.83#
0.00	0.00	0.00

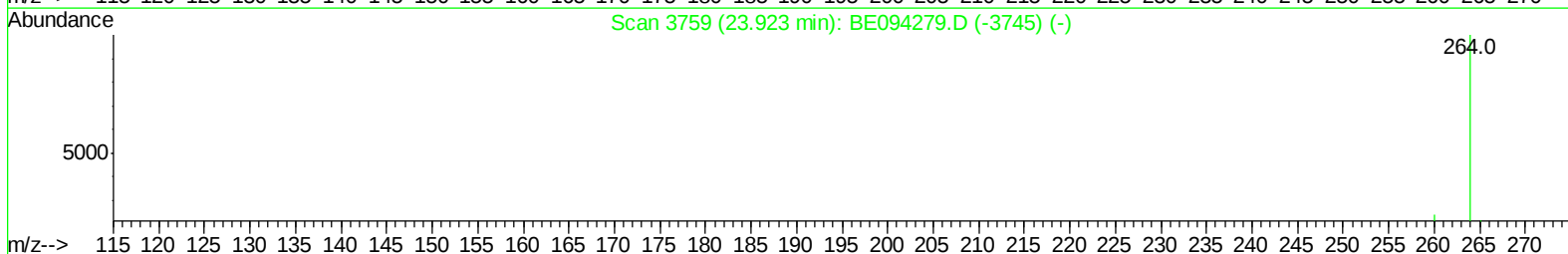
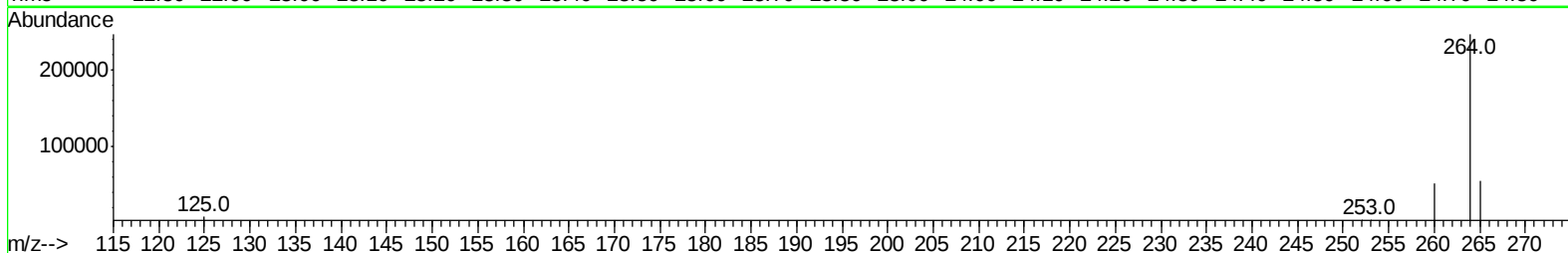
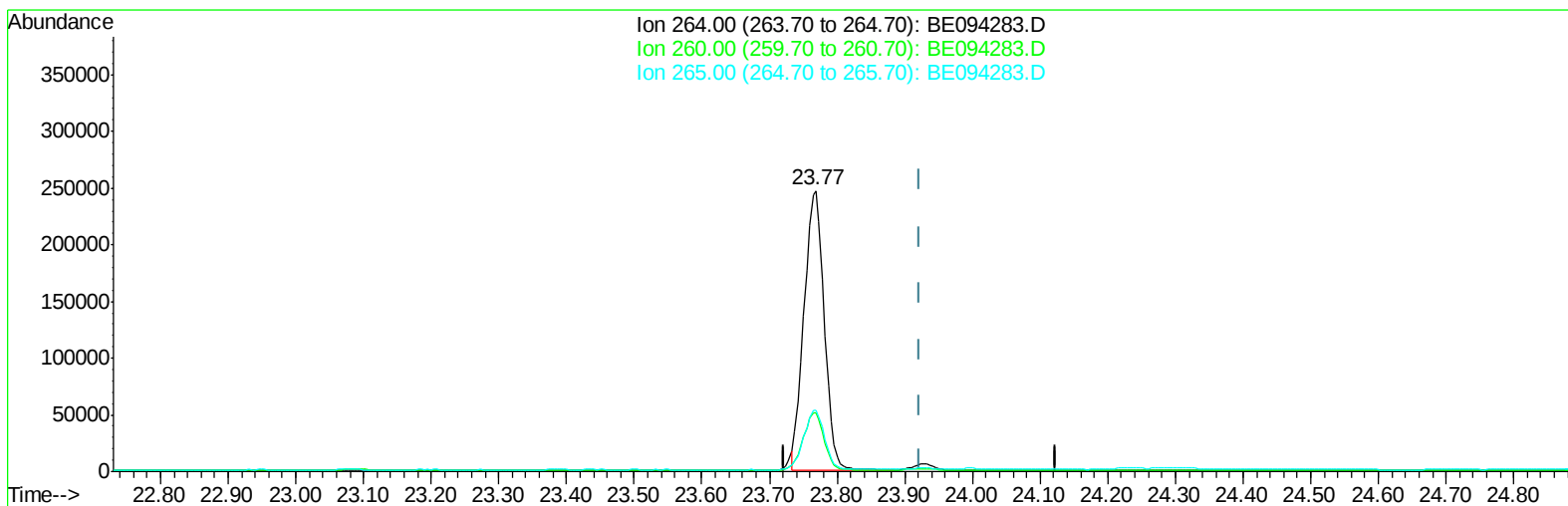
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094283.D
Acq On : 11 Oct 2017 17:22
Operator : SJ/JU
Sample : I5490-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-43(0-1)-092617

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:34 PM

Quant Time: Oct 12 07:35:17 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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TIC: BE094283.D

(20) Perylene-d12 (I)

23.769min (-0.154) 0.40ng/ul

response 512832

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.85#
265.00	103.50	21.97#
0.00	0.00	0.00

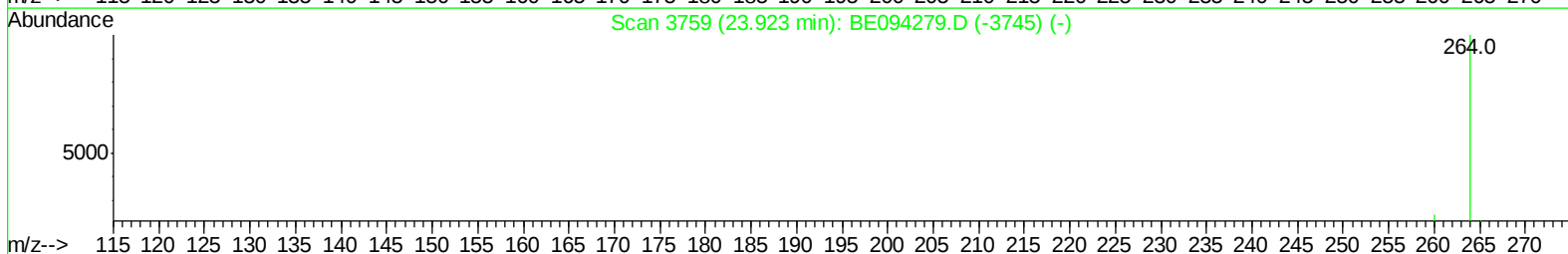
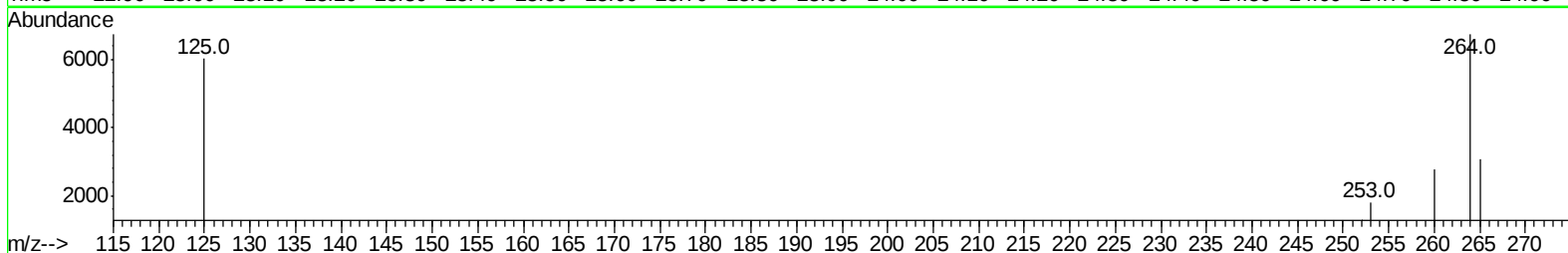
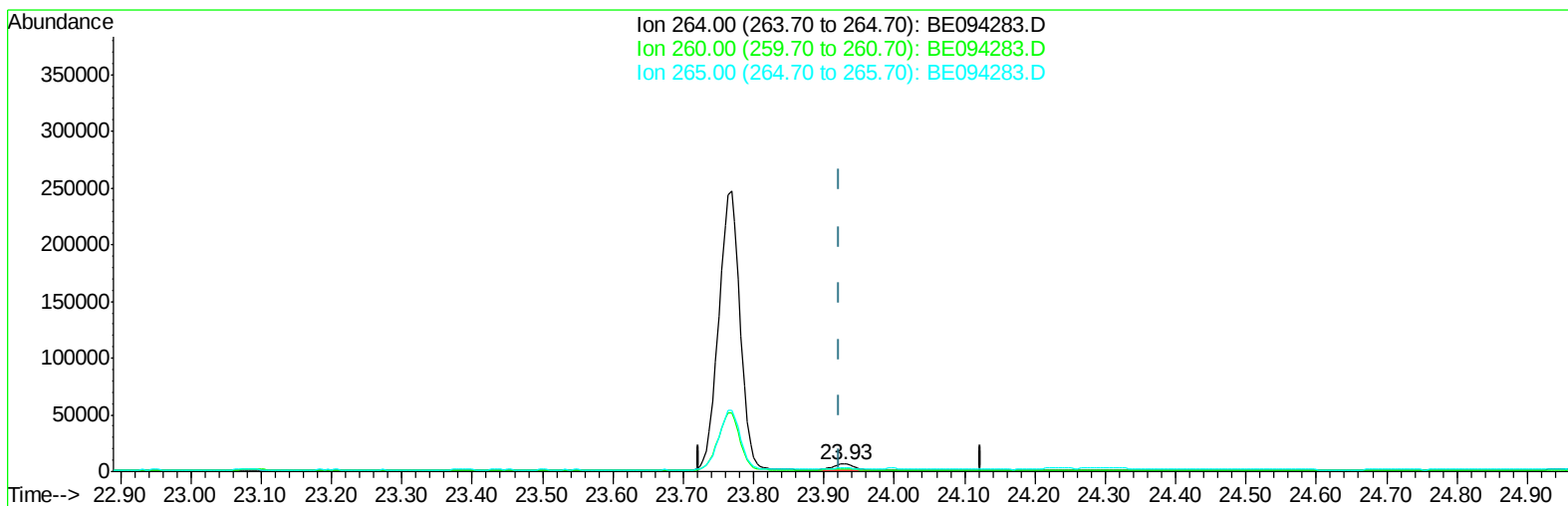
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094283.D
Acq On : 11 Oct 2017 17:22
Operator : SJ/JU
Sample : I5490-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-43(0-1)-092617

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:34 PM

Quant Time: Oct 12 07:35:17 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: BE094283.D

(20) Perylene-d12 (I)

23.928min (+0.005) 0.40ng/ul m

response 11930

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	41.20#
265.00	103.50	45.80#
0.00	0.00	0.00

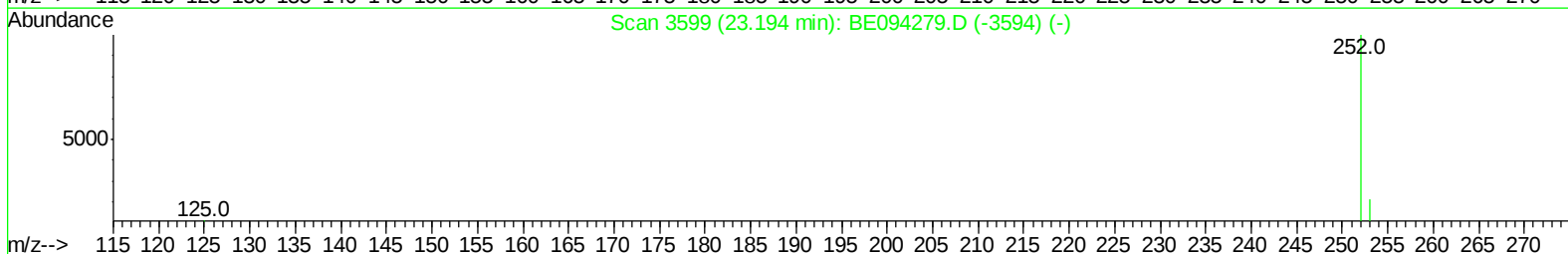
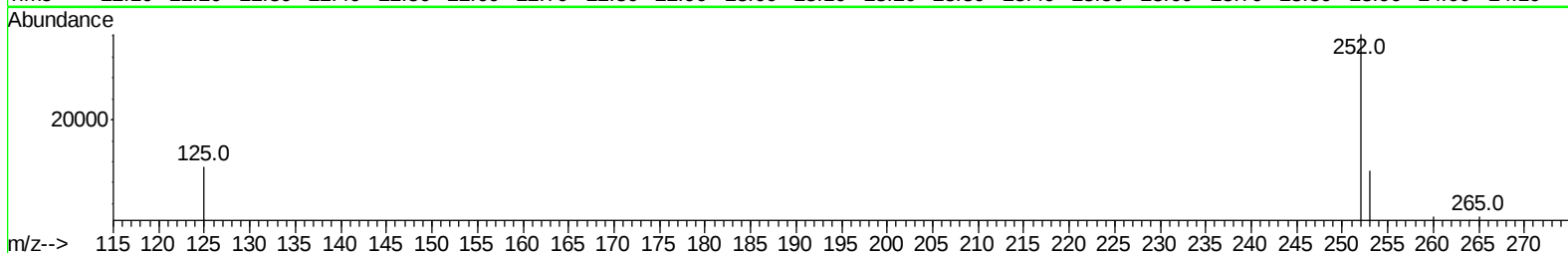
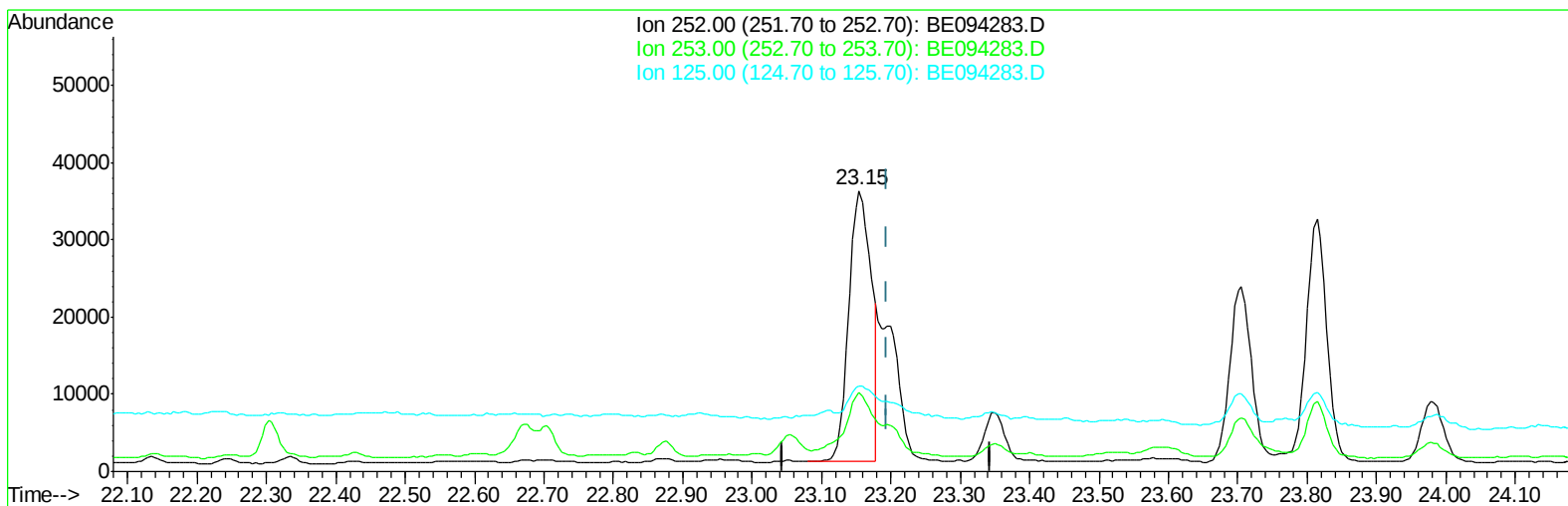
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094283.D
Acq On : 11 Oct 2017 17:22
Operator : SJ/JU
Sample : I5490-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-43(0-1)-092617

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:34 PM

Quant Time: Oct 12 08:14:48 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



TIC: BE094283.D

(22) Benzo(k)fluoranthene

23.154min (-0.041) 2.08ng/ul

response 77809

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	28.19
125.00	17.10	30.49#
0.00	0.00	0.00

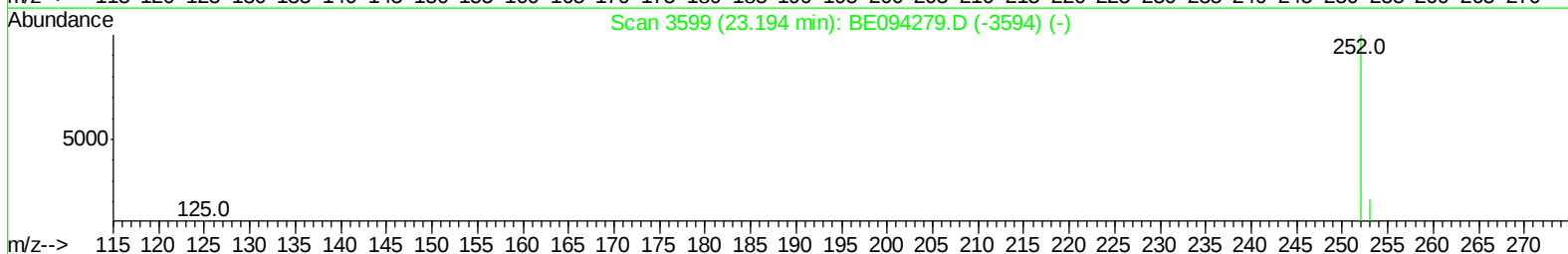
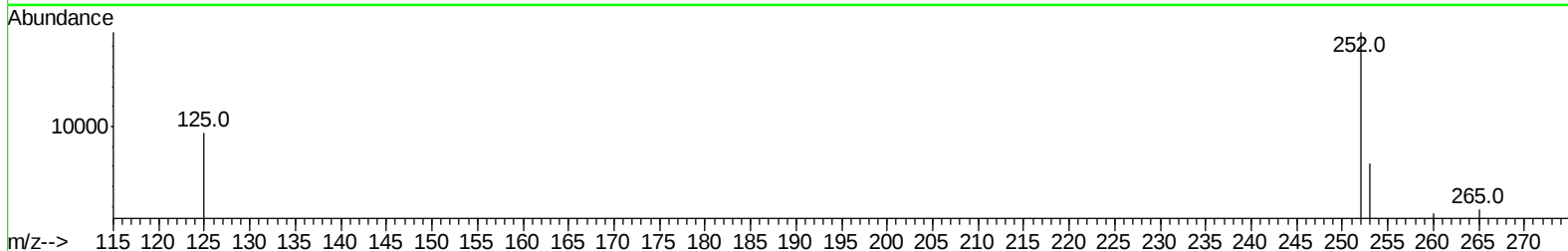
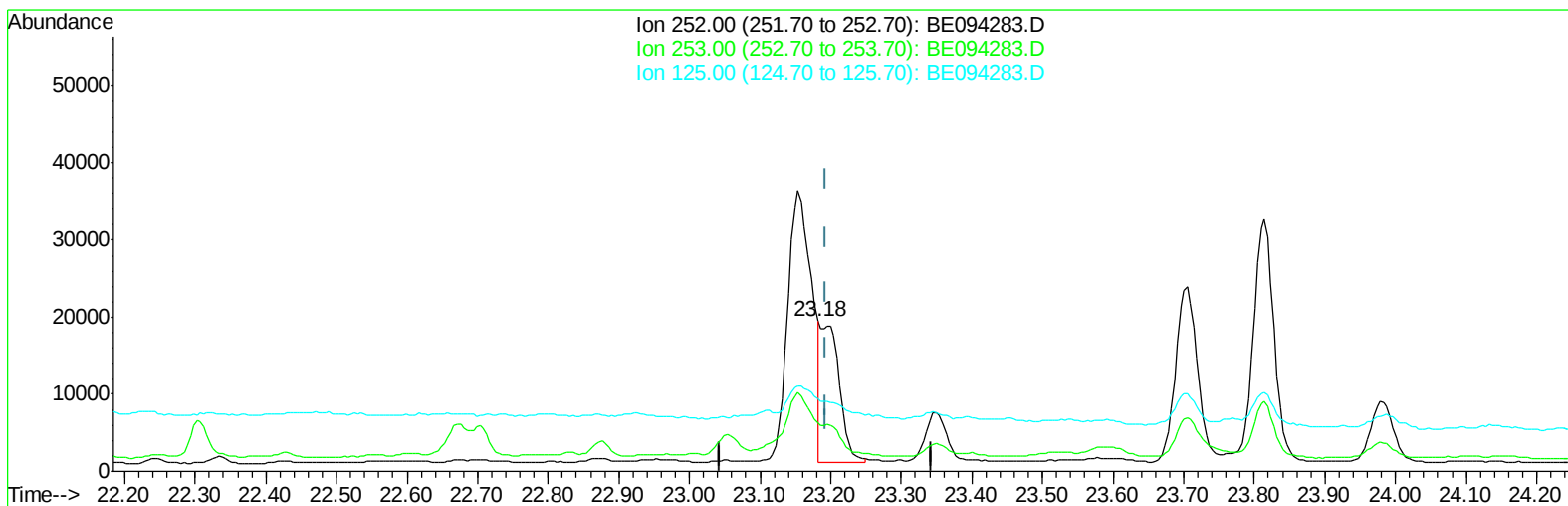
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094283.D
Acq On : 11 Oct 2017 17:22
Operator : SJ/JU
Sample : I5490-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-43(0-1)-092617

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:34 PM

Quant Time: Oct 12 08:14:48 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



TIC: BE094283.D

(22) Benzo(k)fluoranthene

23.181min (-0.013) 0.93ng/ul m

response 34679

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	32.06
125.00	17.10	48.16#
0.00	0.00	0.00

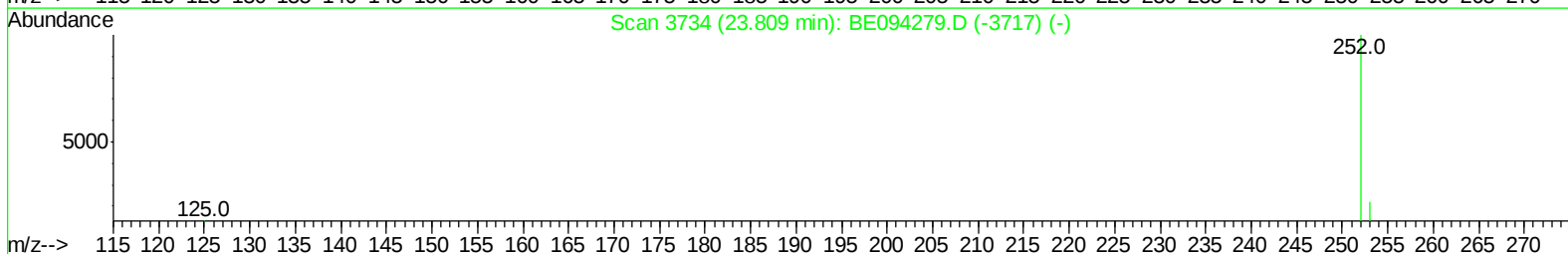
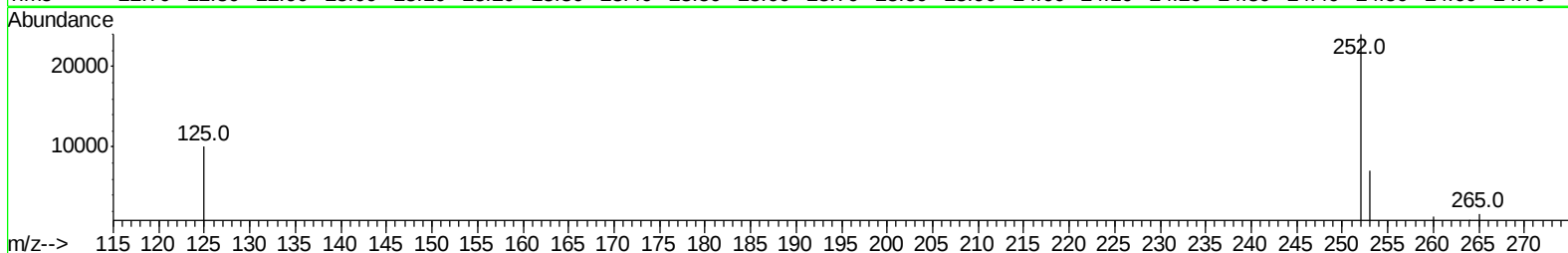
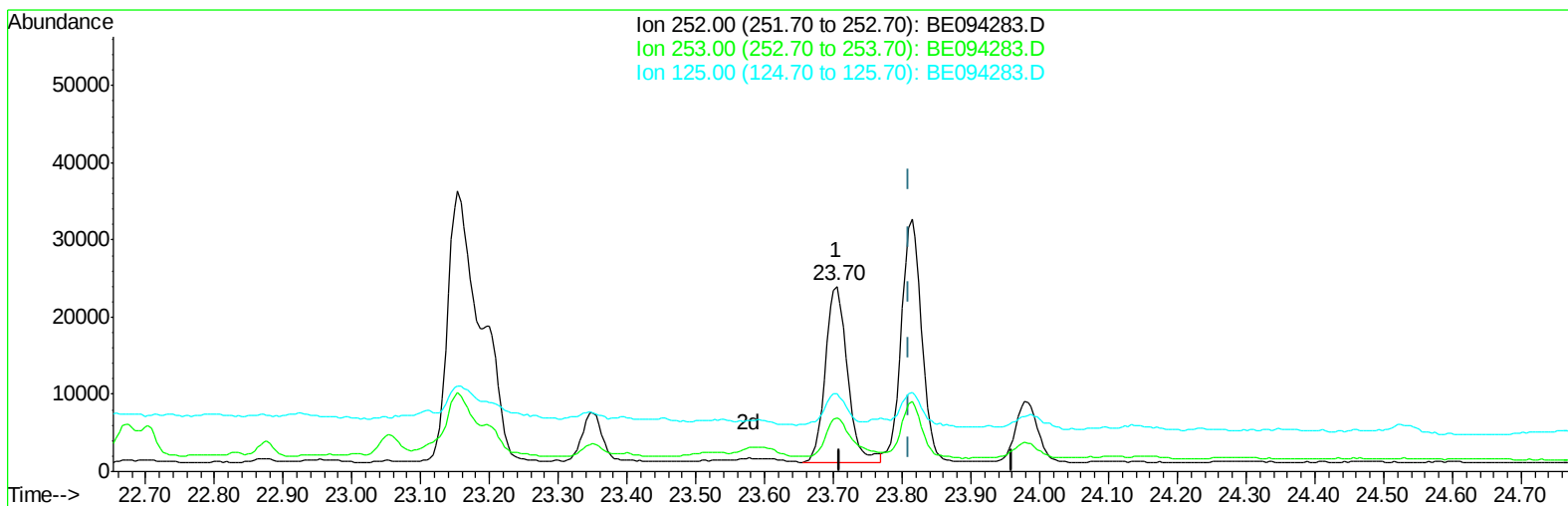
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094283.D
Acq On : 11 Oct 2017 17:22
Operator : SJ/JU
Sample : I5490-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-43(0-1)-092617

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:34 PM

Quant Time: Oct 12 08:14:48 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



TIC: BE094283.D

(23) Benzo(a)pyrene (C)

23.705min (-0.104) 1.51ng/ul

response 50696

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	28.98
125.00	22.60	41.90#
0.00	0.00	0.00

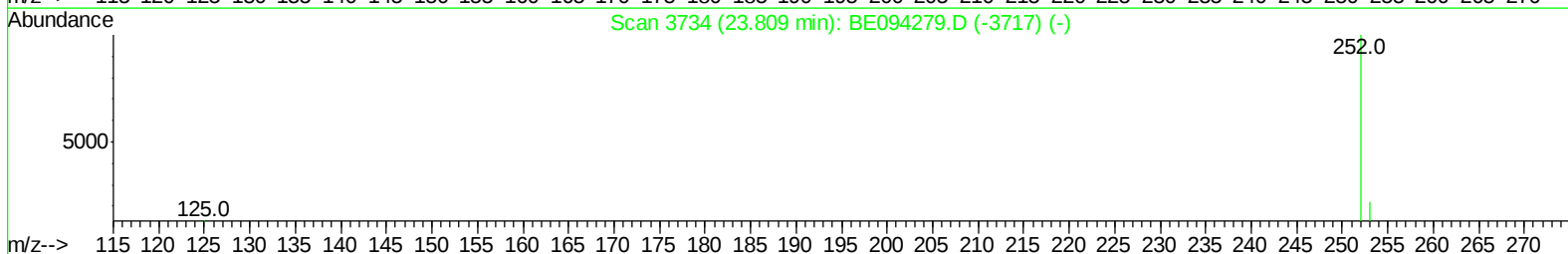
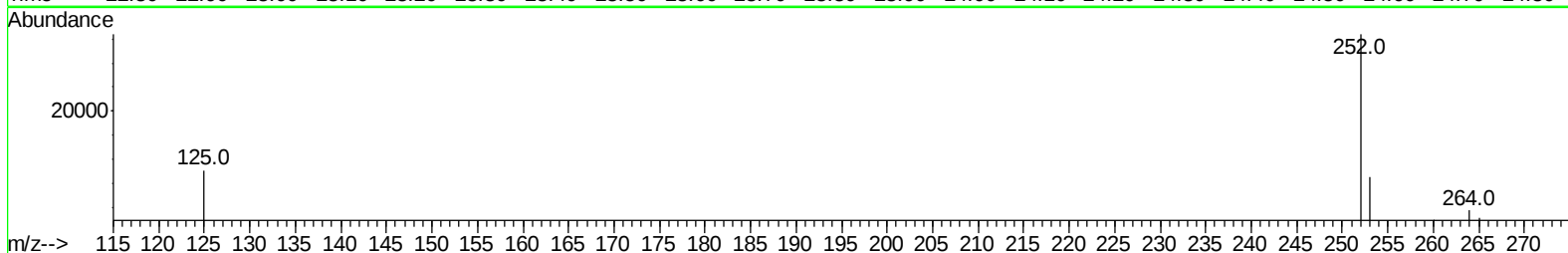
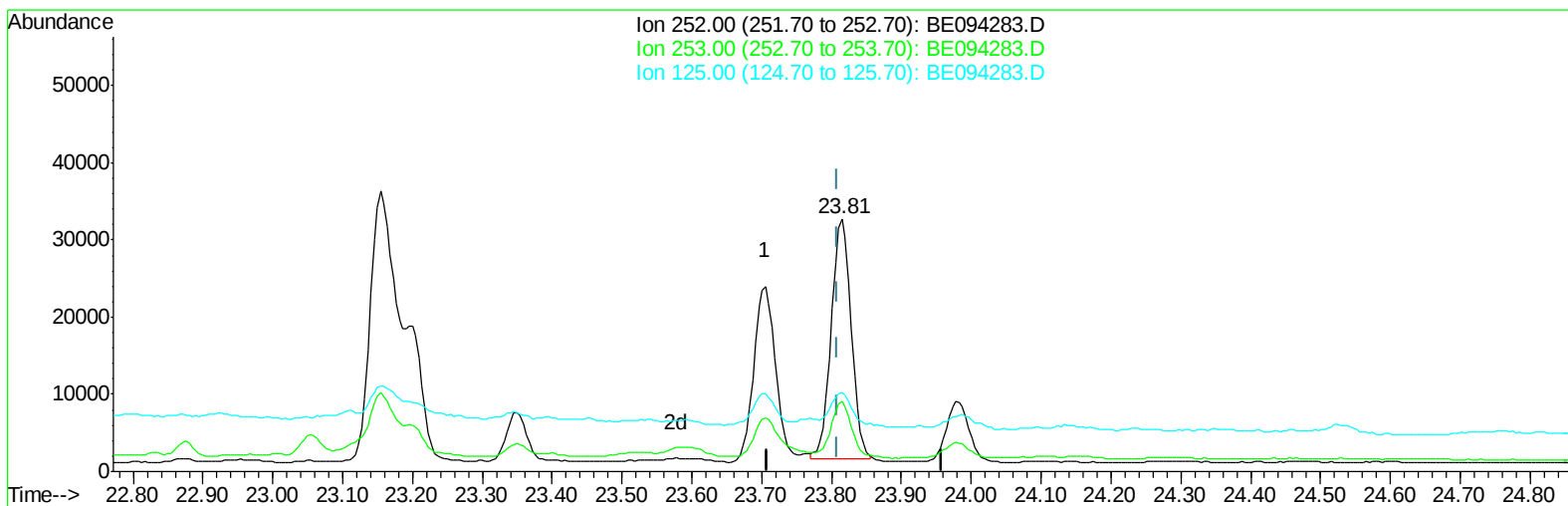
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094283.D
Acq On : 11 Oct 2017 17:22
Operator : SJ/JU
Sample : I5490-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-43(0-1)-092617

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:34 PM

Quant Time: Oct 12 08:14:48 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



TIC: BE094283.D

(23) Benzo(a)pyrene (C)

23.814min (+0.005) 1.83ng/ul m

response 61760

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	27.60#
125.00	22.60	31.15#
0.00	0.00	0.00

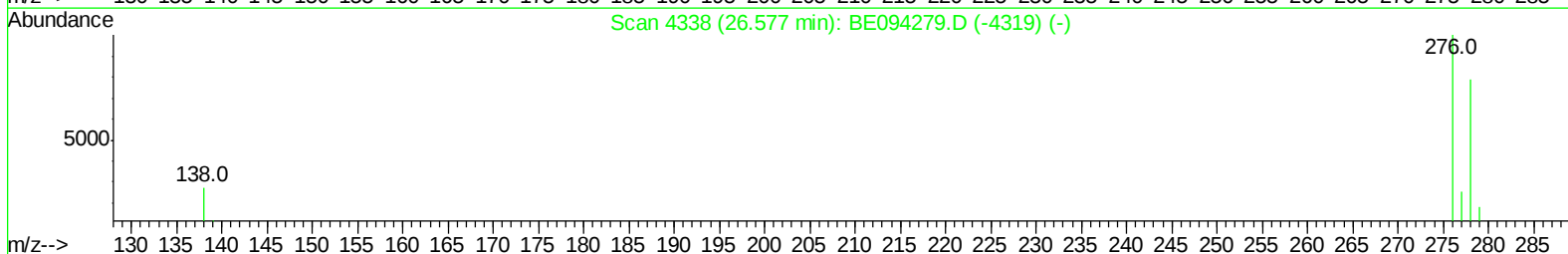
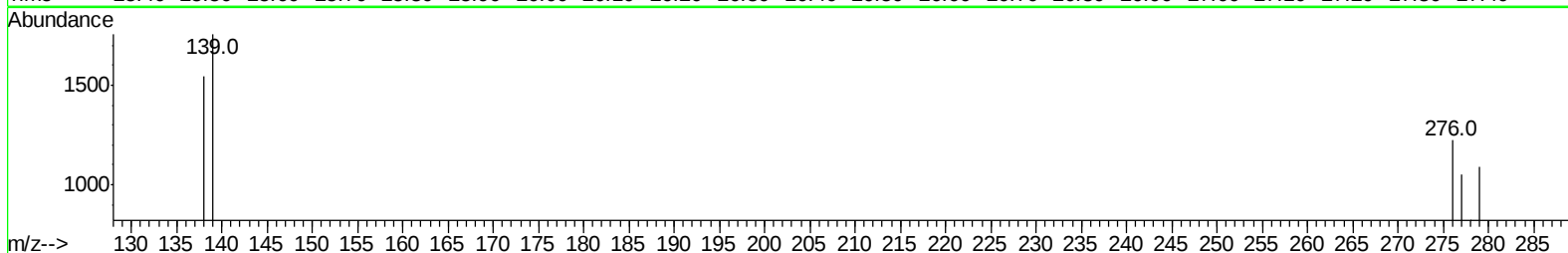
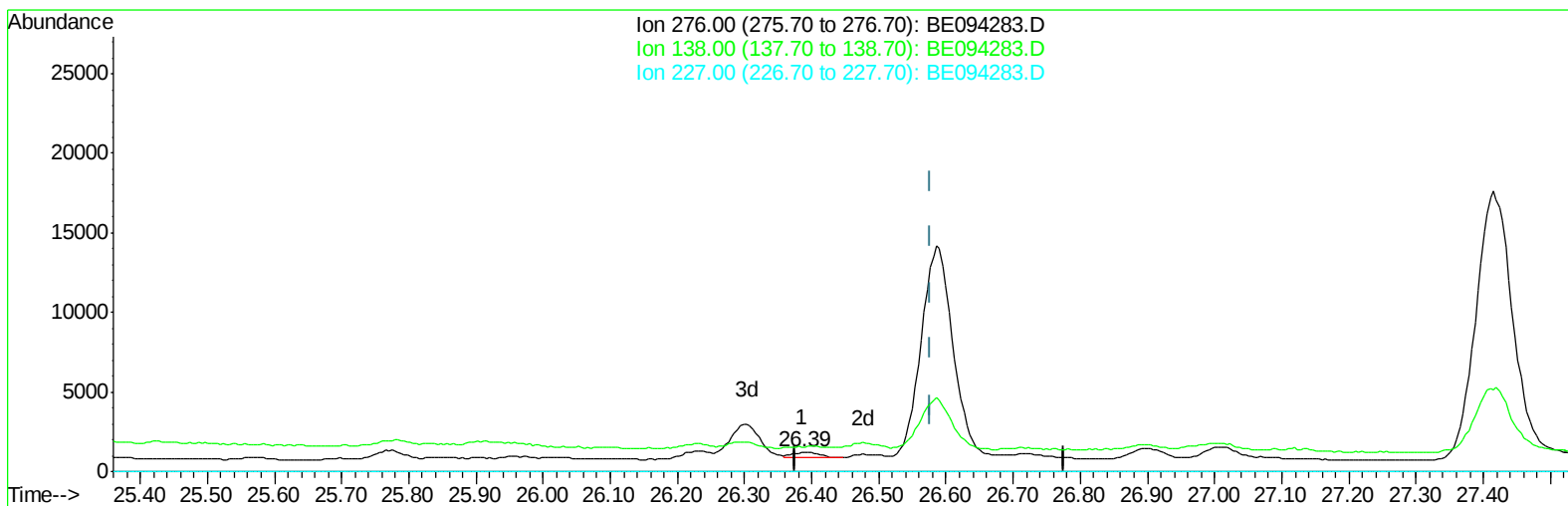
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094283.D
Acq On : 11 Oct 2017 17:22
Operator : SJ/JU
Sample : I5490-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-43(0-1)-092617

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:34 PM

Quant Time: Oct 12 08:14:48 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: BE094283.D

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

26.385min (-0.192) 0.03ng/ul

response 968

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	19.73#
227.00	10.00	0.00#
0.00	0.00	0.00

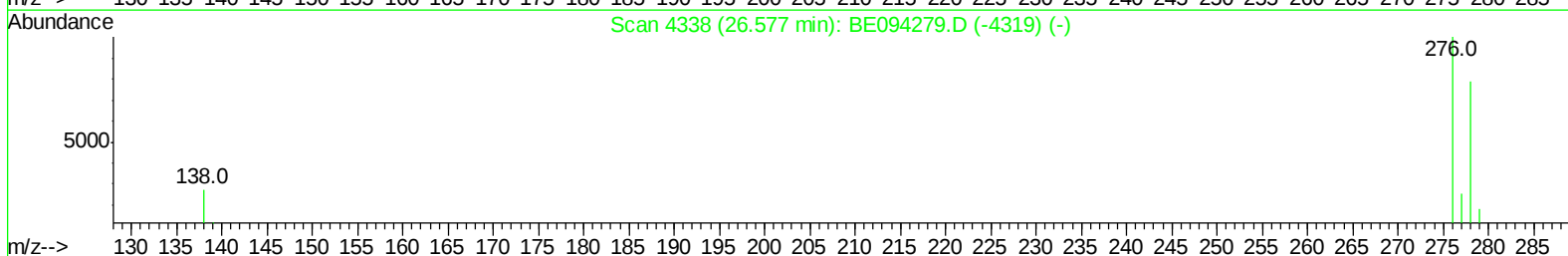
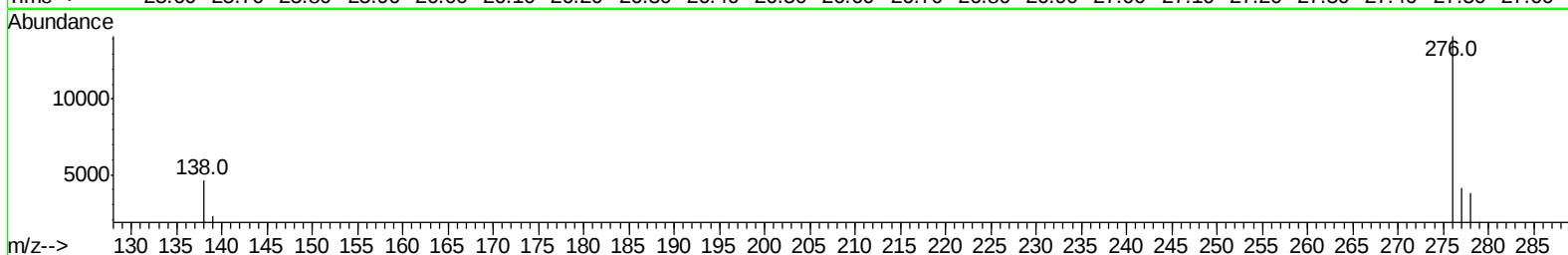
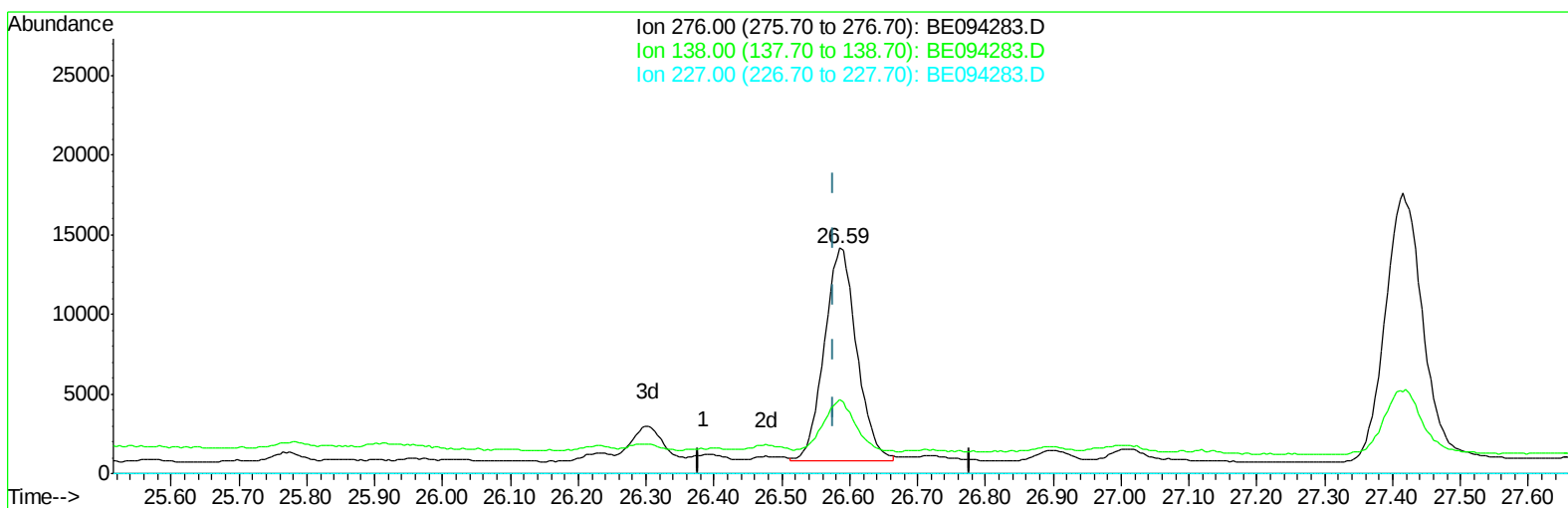
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094283.D
Acq On : 11 Oct 2017 17:22
Operator : SJ/JU
Sample : I5490-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-43(0-1)-092617

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:34 PM

Quant Time: Oct 12 08:14:48 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: BE094283.D

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

26.586min (+0.009) 1.28ng/ul m

response 44232

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	0.43#
227.00	10.00	0.00#
0.00	0.00	0.00

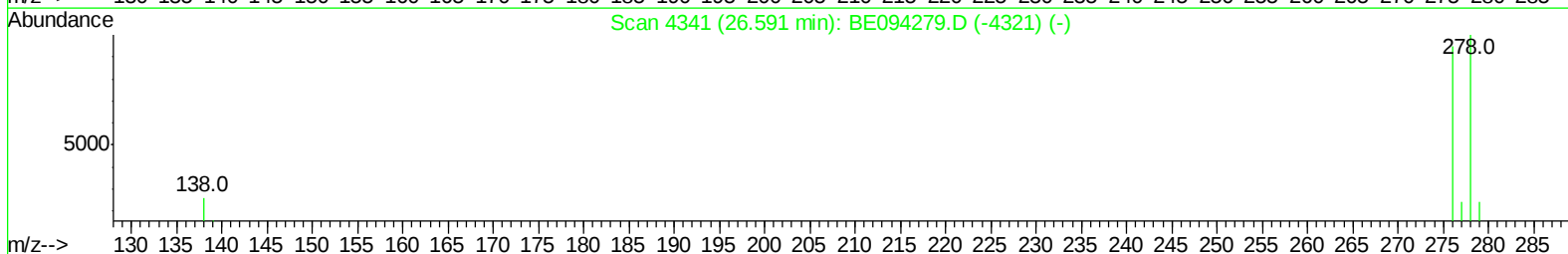
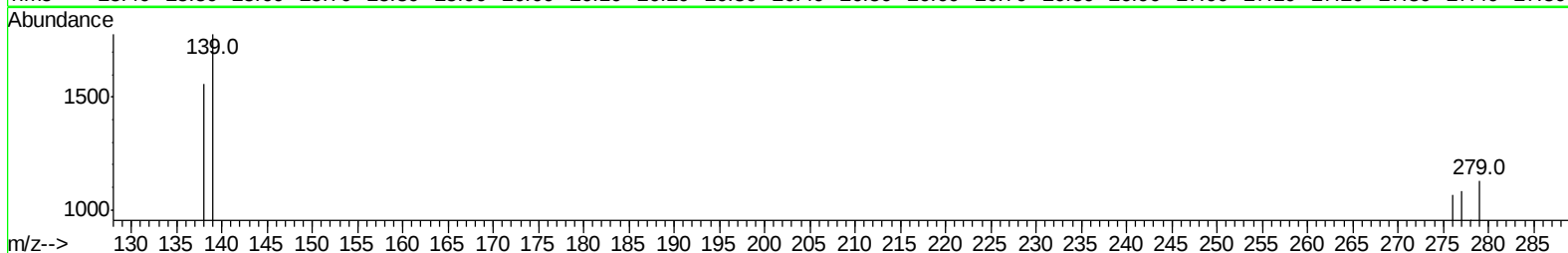
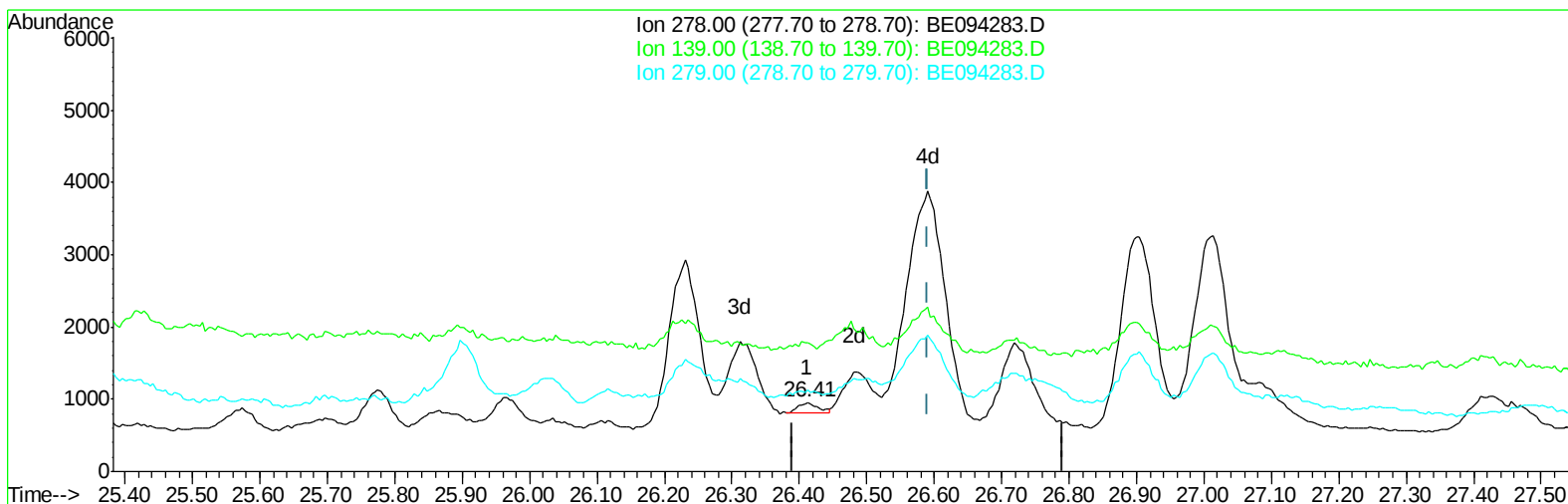
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094283.D
Acq On : 11 Oct 2017 17:22
Operator : SJ/JU
Sample : I5490-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-43(0-1)-092617

Manual Integrations
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Quant Time: Oct 12 08:14:48 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



TIC: BE094283.D

(25) Dibenzo(a,h)anthracene

26.413min (-0.178) 0.01ng/ul

response 290

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	186.48#
279.00	32.40	118.55#
0.00	0.00	0.00

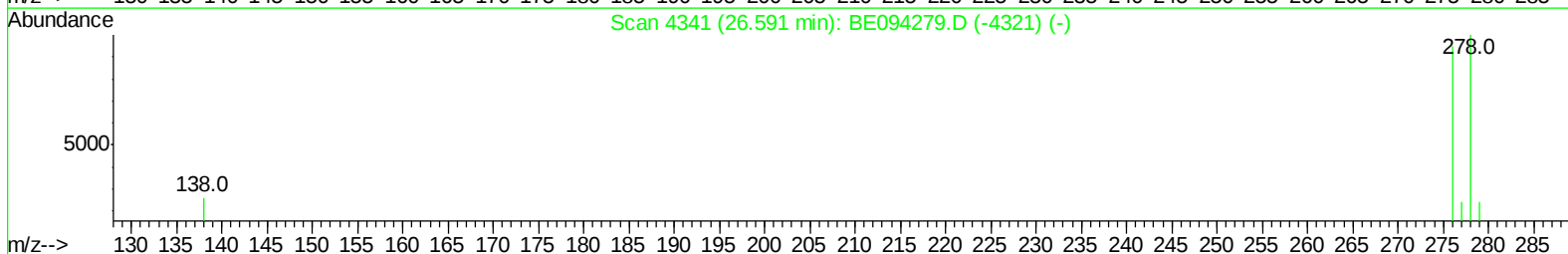
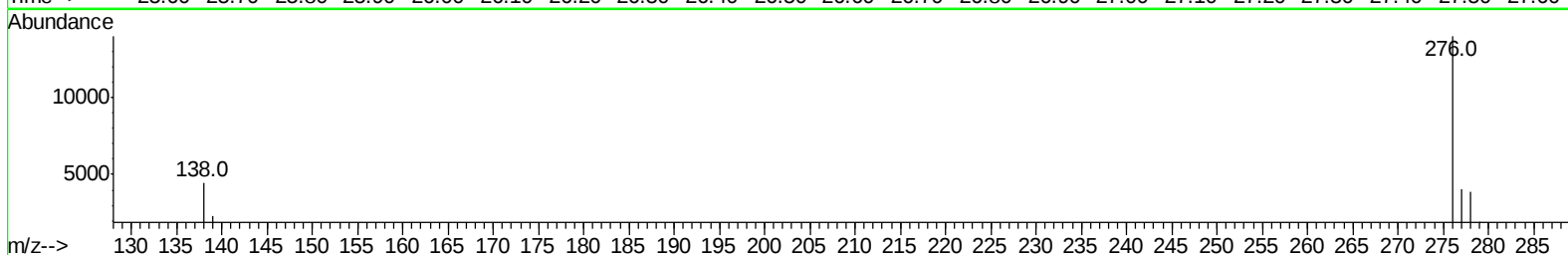
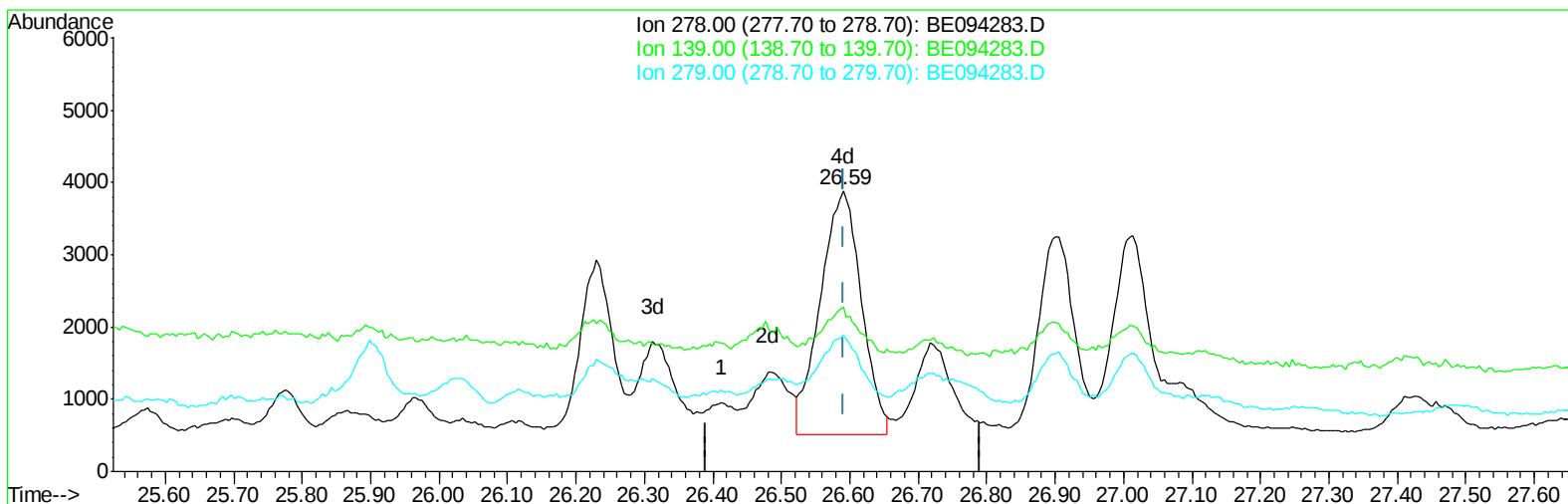
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094283.D
Acq On : 11 Oct 2017 17:22
Operator : SJ/JU
Sample : I5490-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-43(0-1)-092617

Manual Integrations
APPROVED

Sohil
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Quant Time: Oct 12 08:14:48 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
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TIC: BE094283.D

(25) Dibenzo(a,h)anthracene

26.590min (-0.001) 0.48ng/ul m

response 13950

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	58.55#
279.00	32.40	48.58#
0.00	0.00	0.00

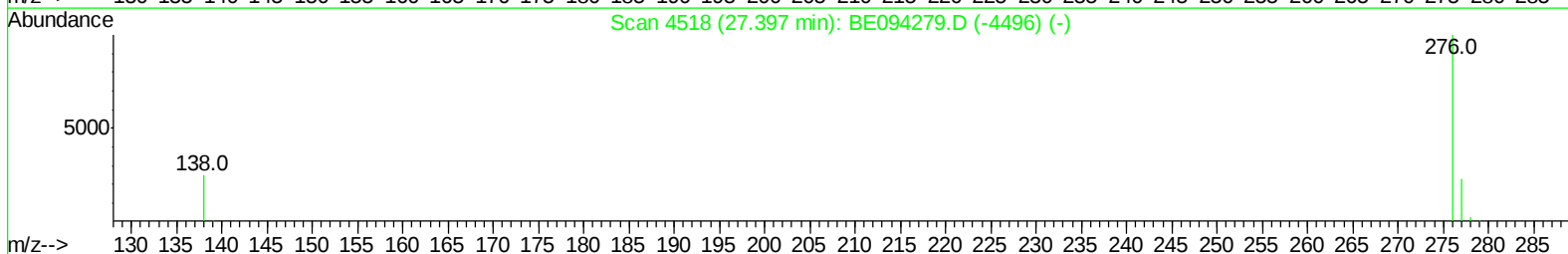
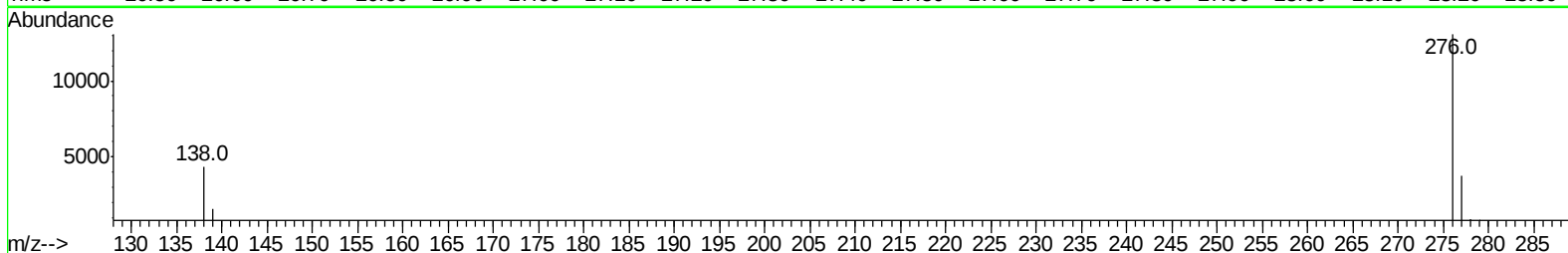
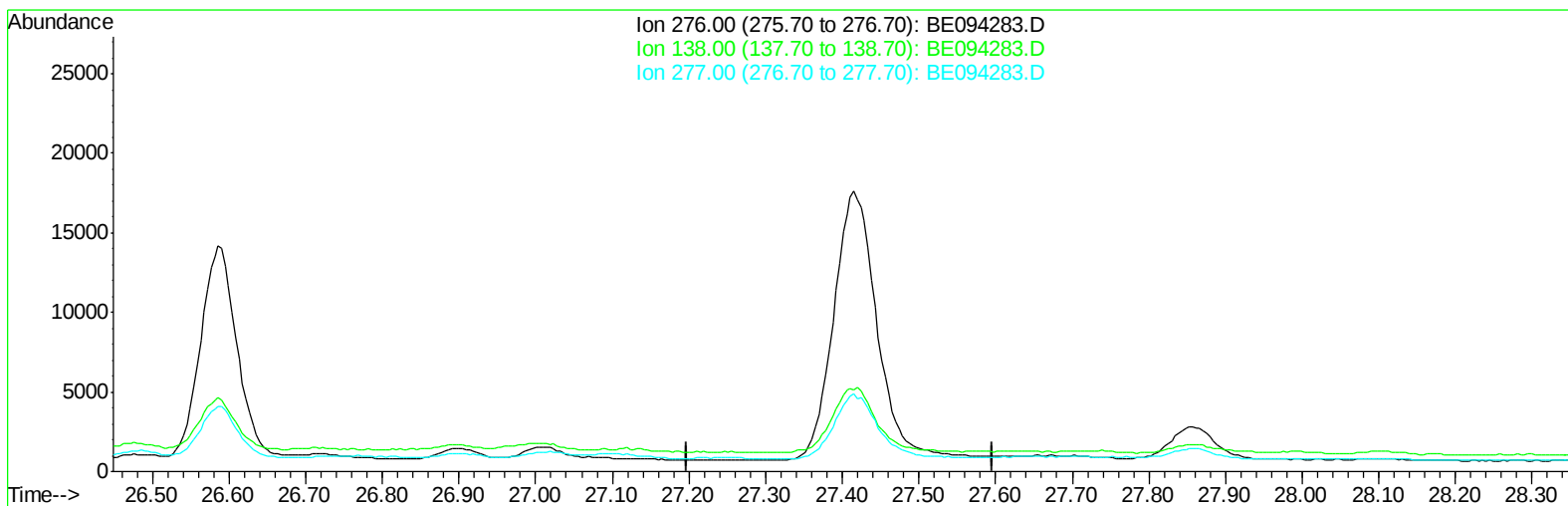
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094283.D
Acq On : 11 Oct 2017 17:22
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Sample : I5490-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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Manual Integrations
APPROVED

Sohil
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Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
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TIC: BE094283.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

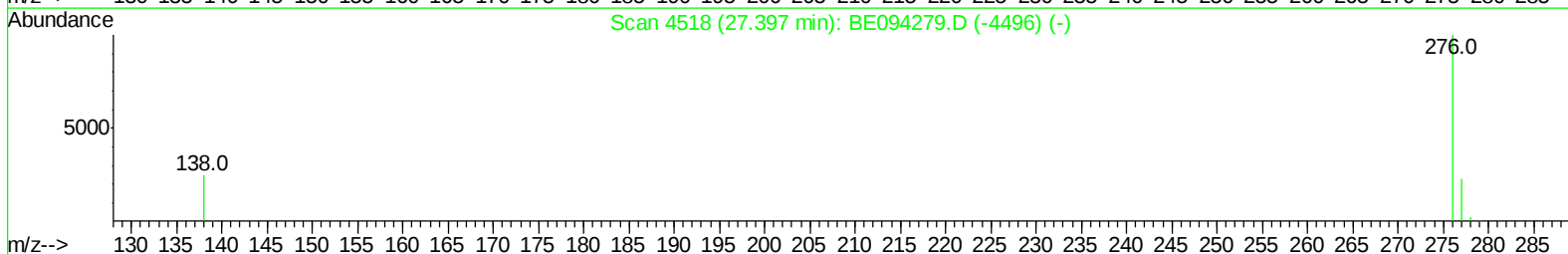
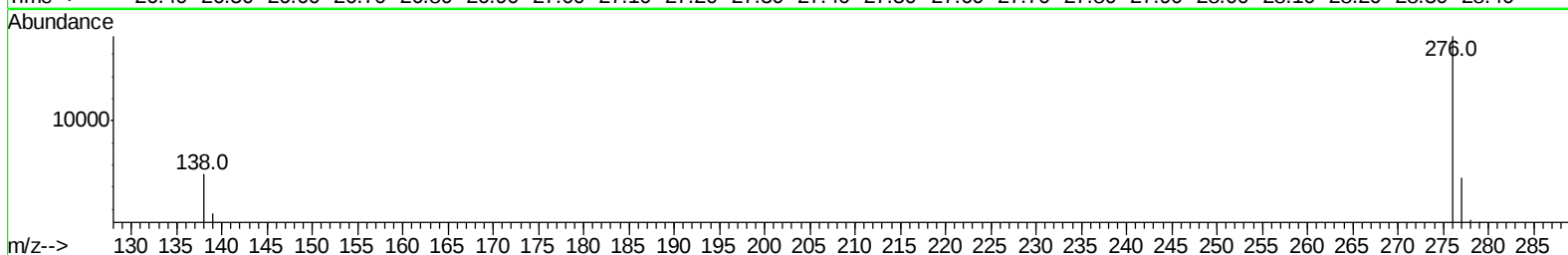
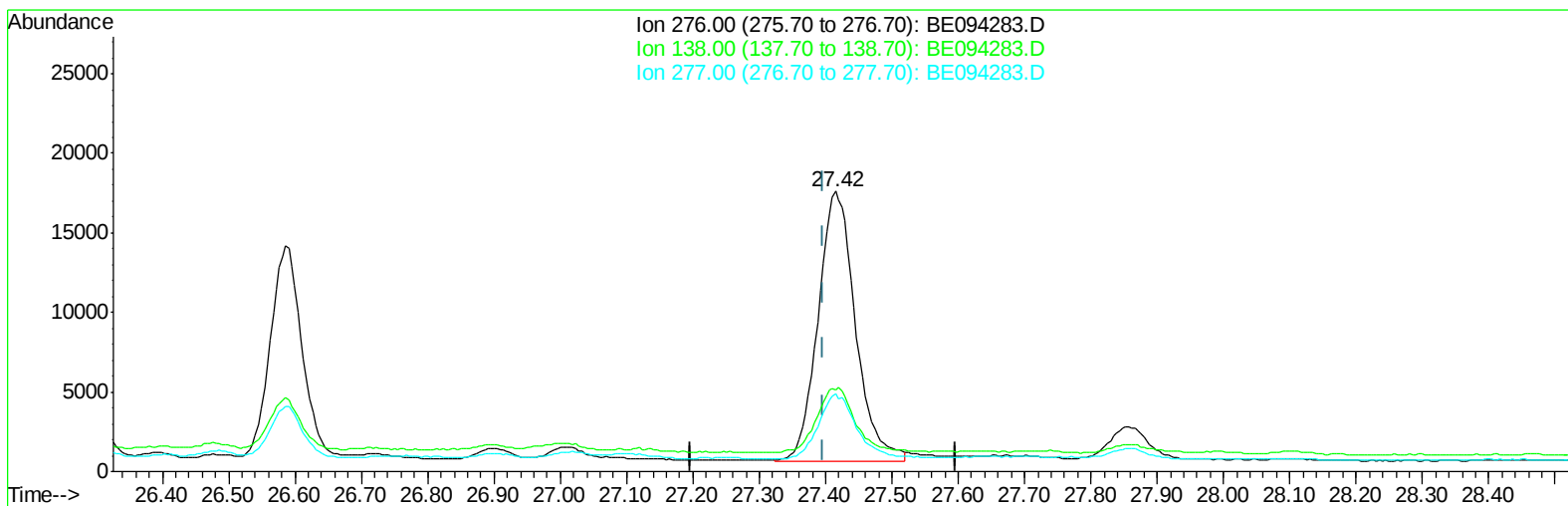
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094283.D
Acq On : 11 Oct 2017 17:22
Operator : SJ/JU
Sample : I5490-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-43(0-1)-092617

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:34 PM

Quant Time: Oct 12 08:14:48 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
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Response via : Initial Calibration



TIC: BE094283.D

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

27.415min (+0.018) 2.26ng/ul m

response 67011

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	29.32
277.00	25.60	27.65
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
 Data File : BE094283.D
 Acq On : 11 Oct 2017 17:22
 Operator : SJ/JU
 Sample : I5490-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-43(0-1)-092617

Manual Integrations
 APPROVED

Sohil
 10/13/2017 12:05:34 PM

Quant Time: Oct 12 08:16:48 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	7.90	152	2169	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	10427	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	6331	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.24	188	12993	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	12526	0.40	ng/ul	0.00
20) Perylene-d12	23.93	264	11930m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	3200	0.20	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	7439	0.17	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.74	128	36095	1.413	ng/ul#	92
5) 2-Methylnaphthalene	12.34	142	18086	1.092	ng/ul	98
7) Acenaphthylene	14.24	152	3882	0.157	ng/ul#	82
8) Acenaphthene	14.57	153	7944	0.391	ng/ul	98
9) Fluorene	15.56	166	8589	0.361	ng/ul	94
12) Phenanthrene	17.27	178	111986m	3.298	ng/ul	
13) Anthracene	17.38	178	28827	0.873	ng/ul	96
15) Fluoranthene	19.30	202	156676	3.512	ng/ul	84
17) Pyrene	19.66	202	160532	4.606	ng/ul#	85
18) Benzo(a)anthracene	21.39	228	79206	2.384	ng/ul#	91
19) Chrysene	21.45	228	85817	2.236	ng/ul#	91
21) Benzo(b)fluoranthene	23.15	252	82772	2.554	ng/ul	85
22) Benzo(k)fluoranthene	23.18	252	34679m	0.926	ng/ul	
23) Benzo(a)pyrene	23.81	252	61760m	1.834	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.59	276	44232m	1.284	ng/ul	
25) Dibenzo(a,h)anthracene	26.59	278	13950m	0.483	ng/ul	
26) Benzo(a,h,i)perylene	27.42	276	67011m	2.255	ng/ul	

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

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