

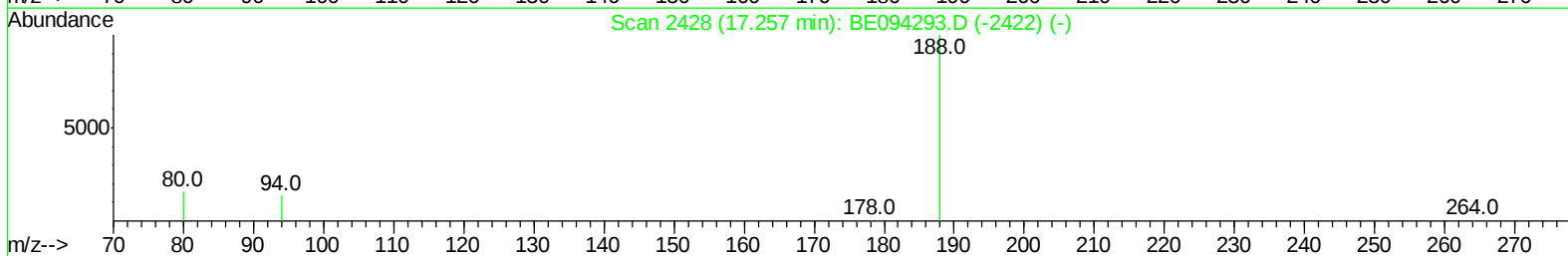
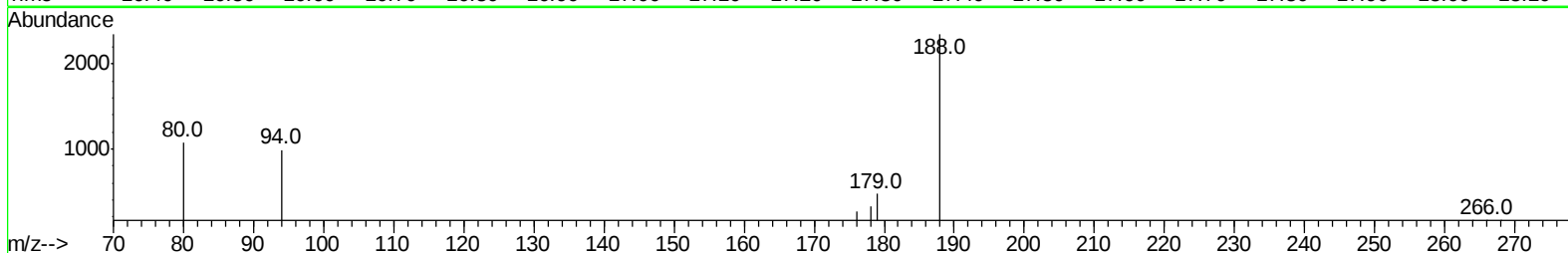
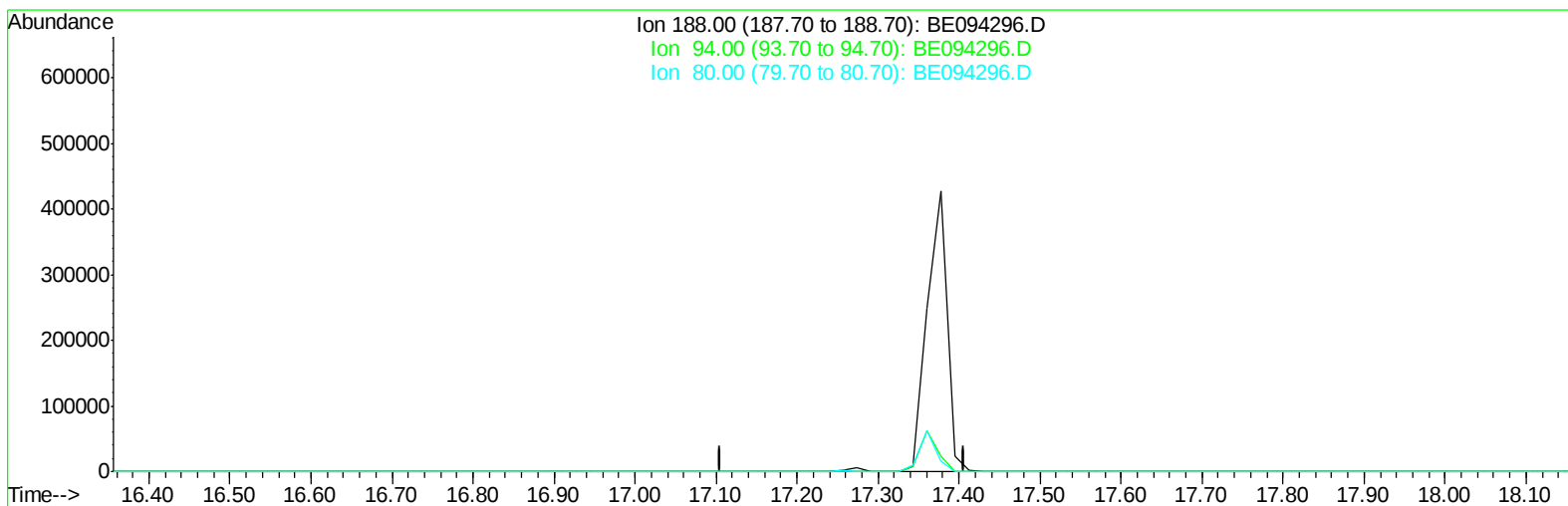
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094296.D
Acq On : 12 Oct 2017 1:22
Operator : SJ/JU
Sample : I5490-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-41(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:56 PM

Quant Time: Oct 12 08:58:09 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 08:55:52 2017
Response via : Initial Calibration



TIC: BE094296.D

(10) Phenanthrene-d10 (I)

17.257min (-17.257) 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

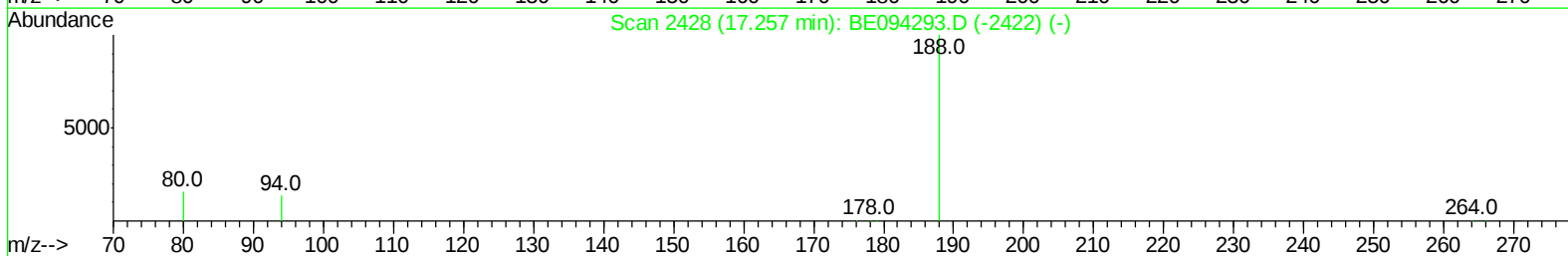
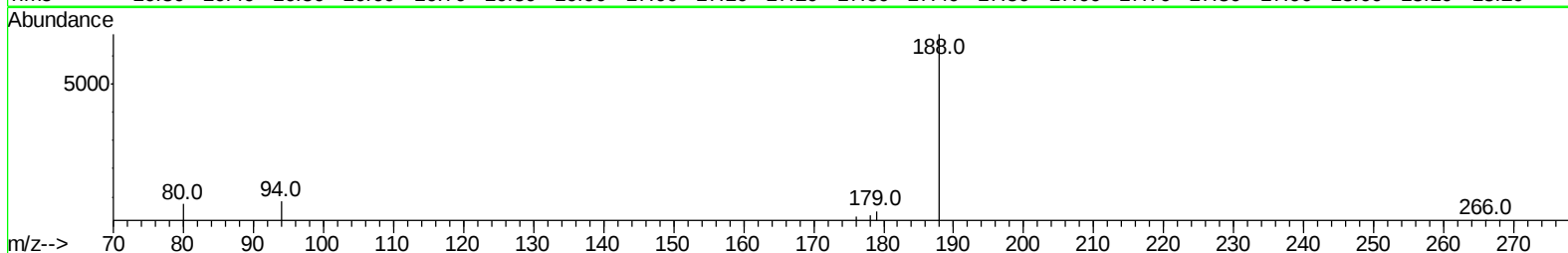
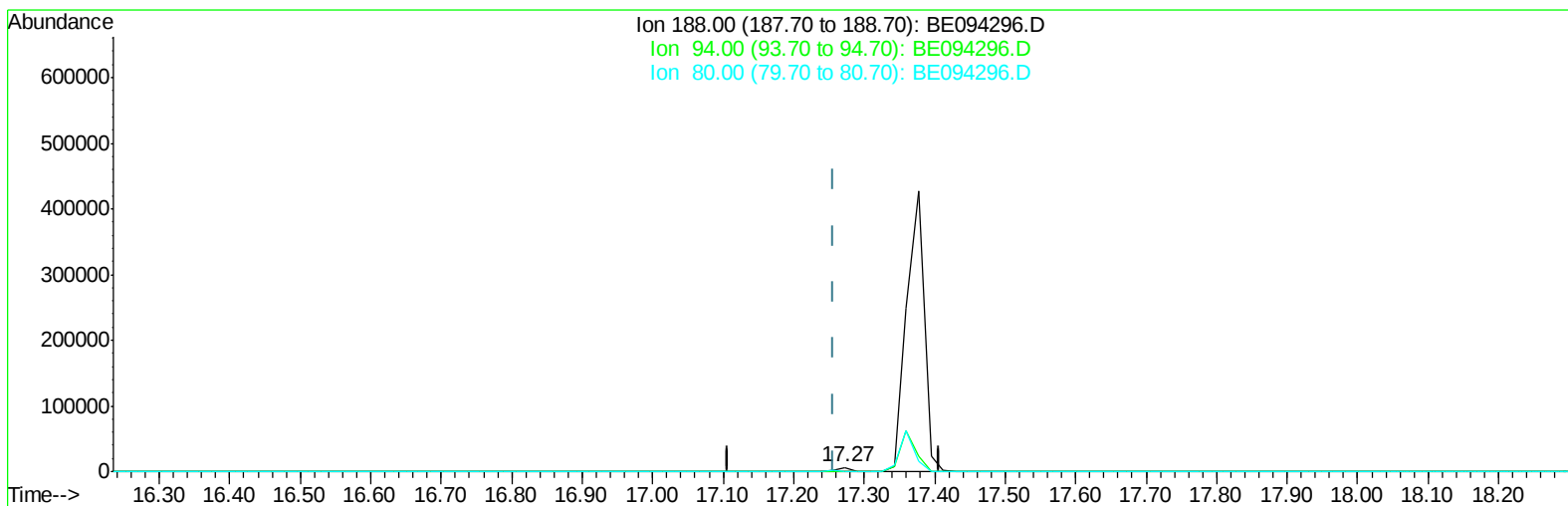
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094296.D
Acq On : 12 Oct 2017 1:22
Operator : SJ/JU
Sample : I5490-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-41(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:56 PM

Quant Time: Oct 12 08:58:09 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 08:55:52 2017
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TIC: BE094296.D

(10) Phenanthrene-d10 (I)

17.273min (+0.017) 0.40ng/ul m

response 10774

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	12.36
80.00	11.80	10.86
0.00	0.00	0.00

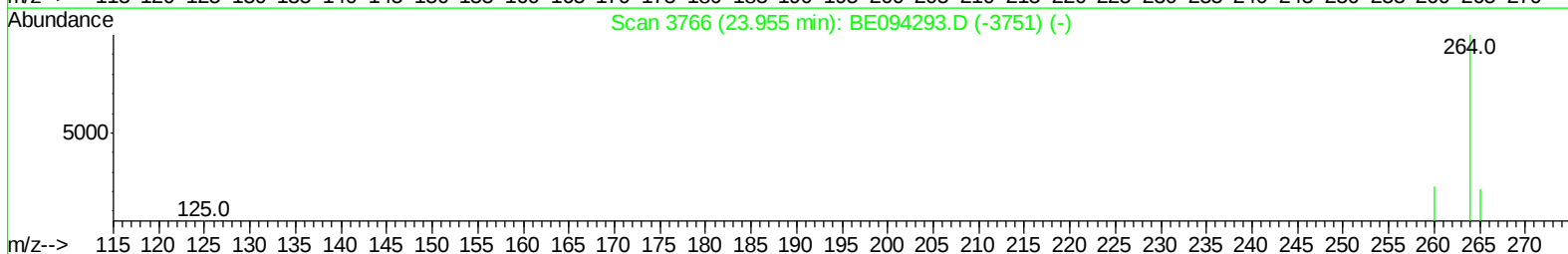
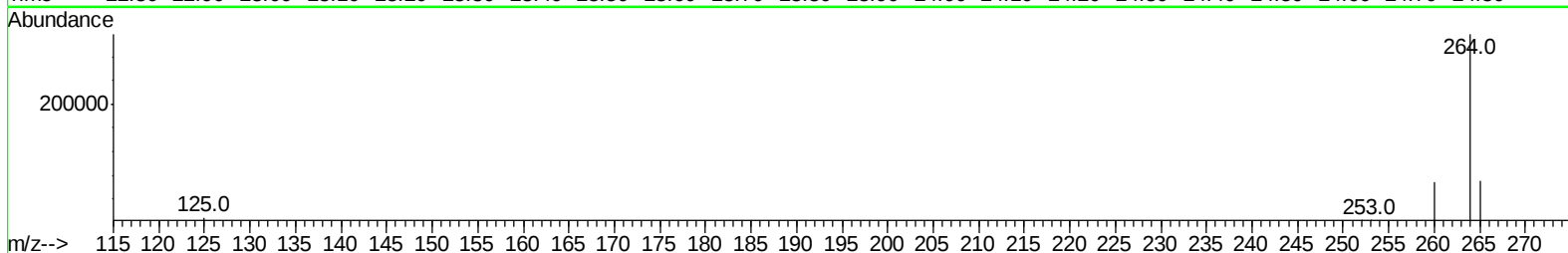
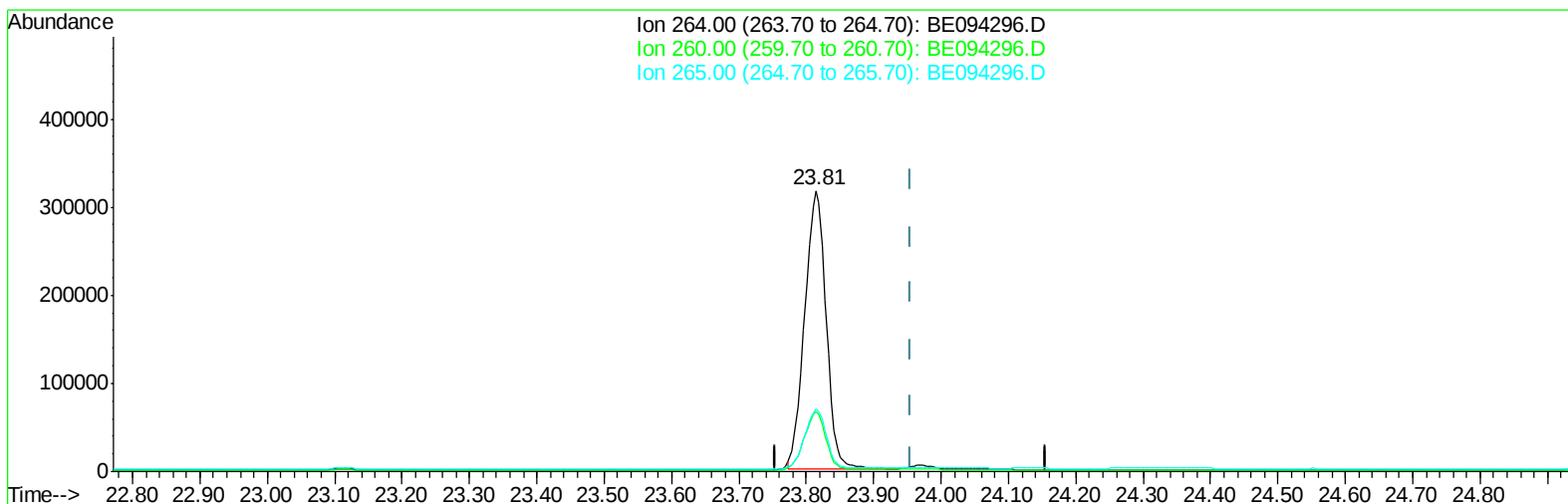
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094296.D
Acq On : 12 Oct 2017 1:22
Operator : SJ/JU
Sample : I5490-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-41(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:56 PM

Quant Time: Oct 12 09:11:11 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 08:55:52 2017
Response via : Initial Calibration



TIC: BE094296.D

(20) Perylene-d12 (I)

23.814min (-0.141) 0.40ng/ul

response 693155

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.26#
265.00	103.50	22.31#
0.00	0.00	0.00

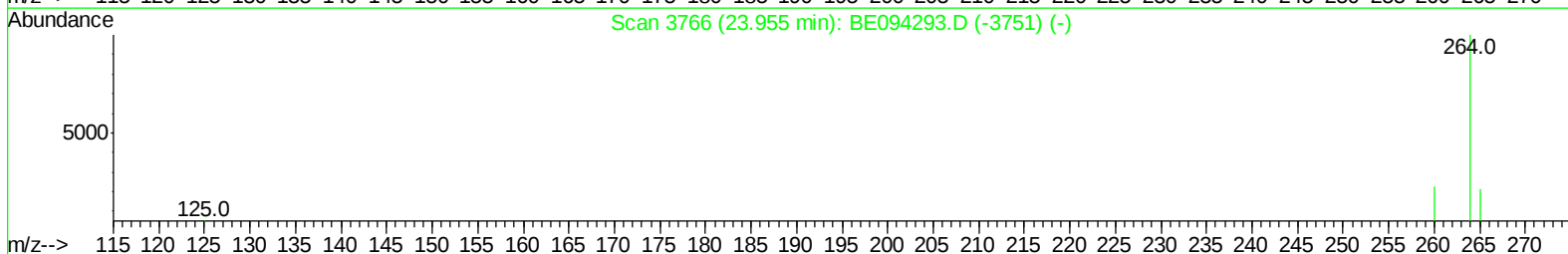
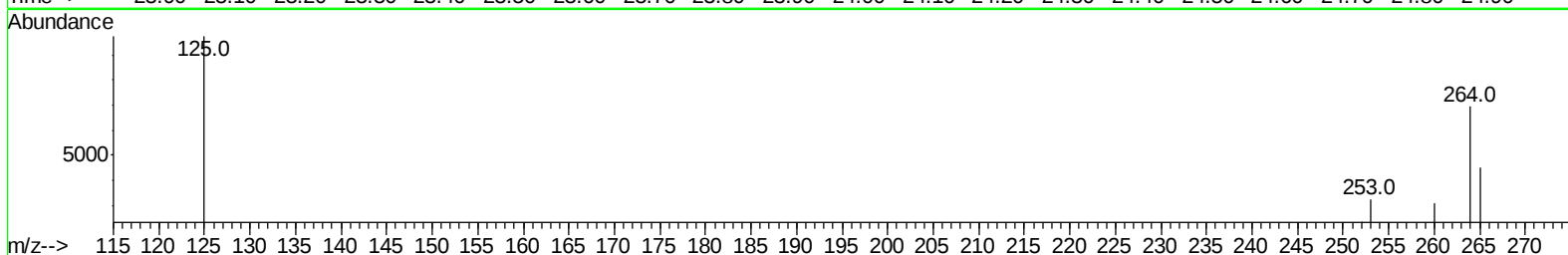
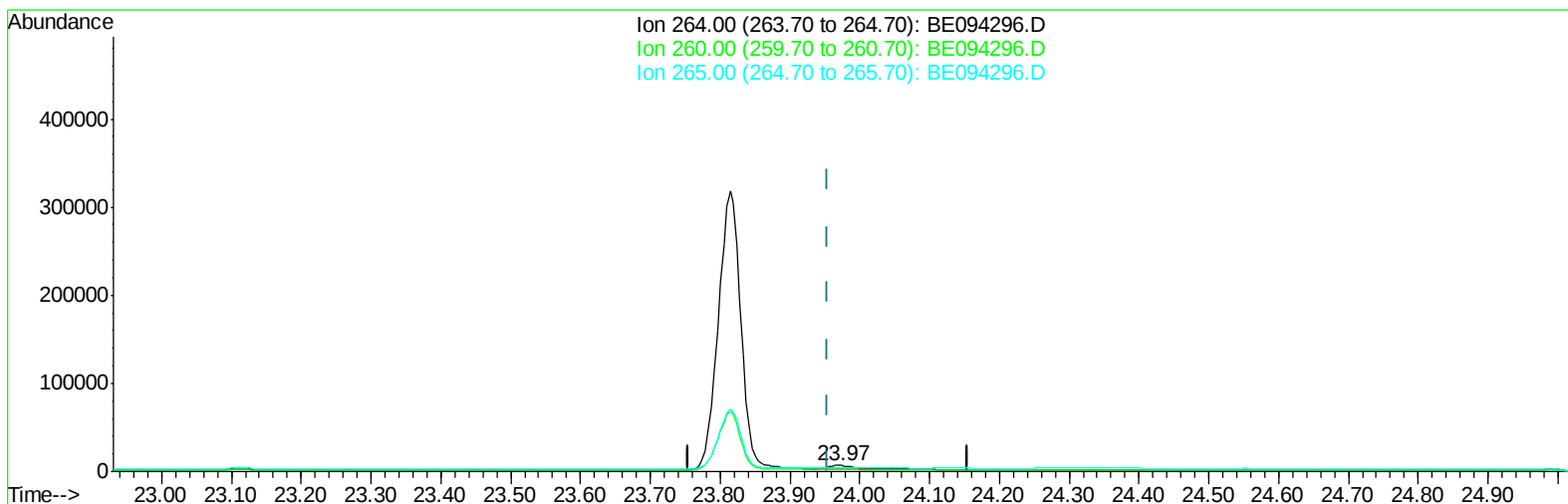
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094296.D
Acq On : 12 Oct 2017 1:22
Operator : SJ/JU
Sample : I5490-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-41(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:56 PM

Quant Time: Oct 12 09:11:11 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 08:55:52 2017
Response via : Initial Calibration



TIC: BE094296.D

(20) Perylene-d12 (I)

23.974min (+0.018) 0.40ng/ul m

response 9189

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	44.34#
265.00	103.50	65.20#
0.00	0.00	0.00

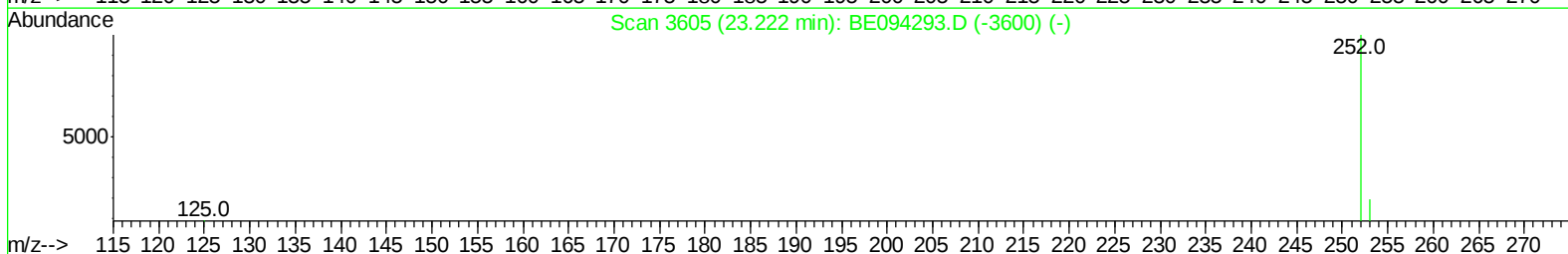
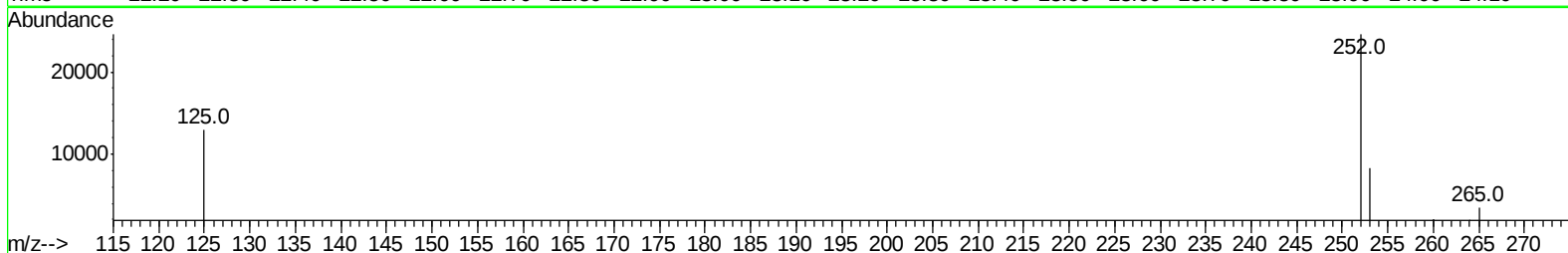
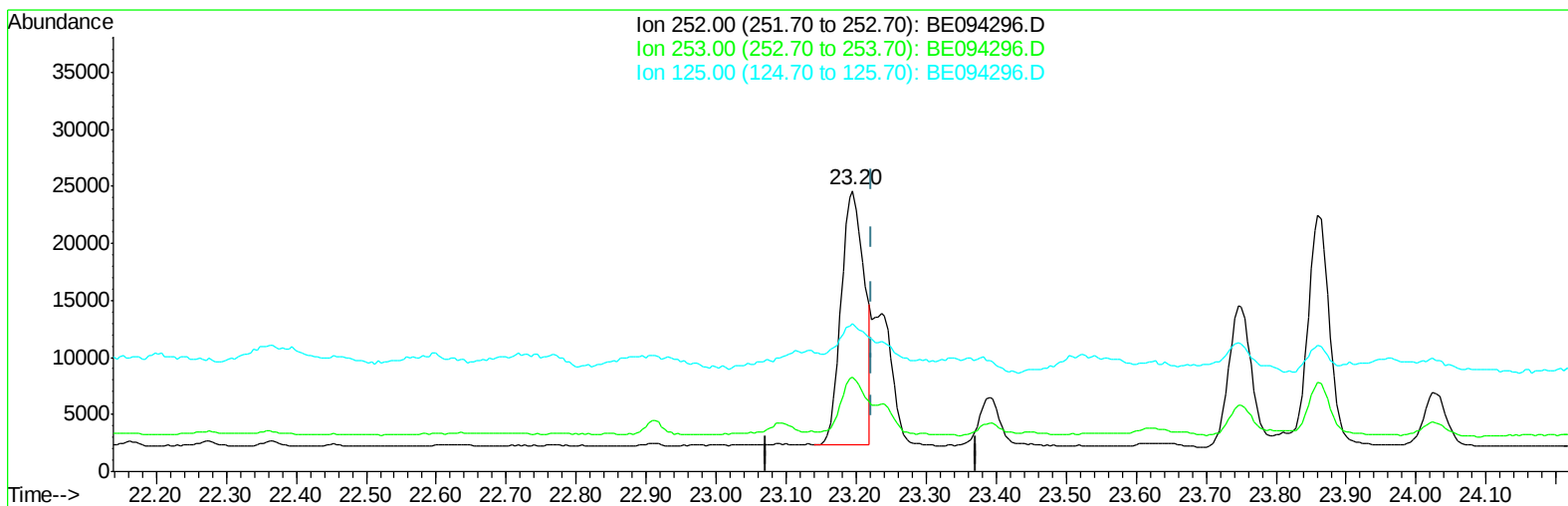
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094296.D
Acq On : 12 Oct 2017 1:22
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Sample : I5490-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-41(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:56 PM

Quant Time: Oct 12 09:12:27 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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TIC: BE094296.D

(22) Benzo(k)fluoranthene
23.195min (-0.027) 1.75ng/ul
response 50623

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	33.79
125.00	17.10	52.92#
0.00	0.00	0.00

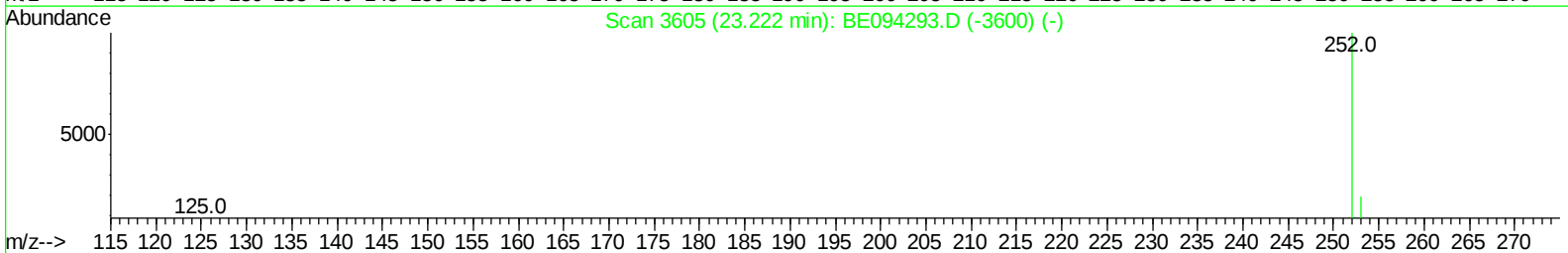
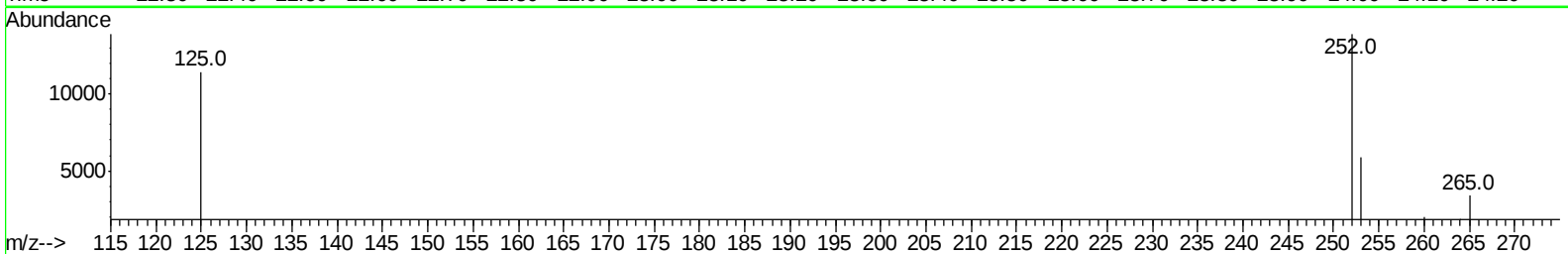
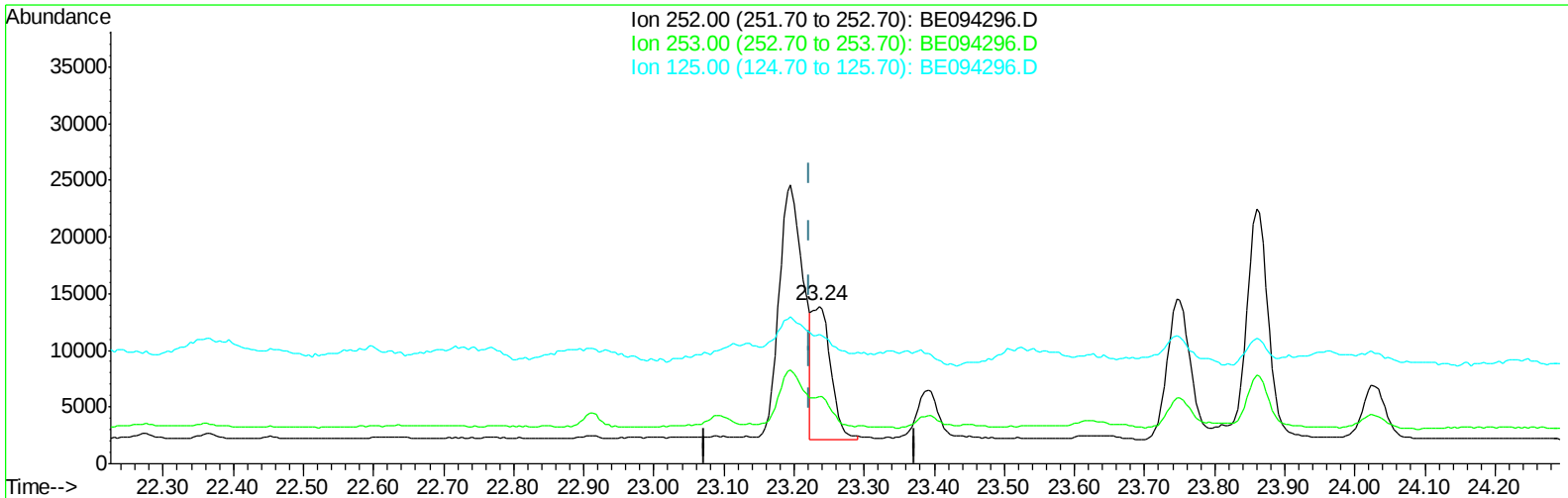
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094296.D
Acq On : 12 Oct 2017 1:22
Operator : SJ/JU
Sample : I5490-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-41(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:56 PM

Quant Time: Oct 12 09:12:27 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
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Response via : Initial Calibration



TIC: BE094296.D

(22) Benzo(k)fluoranthene

23.236min (+0.014) 0.75ng/ul m

response 21603

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	42.19#
125.00	17.10	82.24#
0.00	0.00	0.00

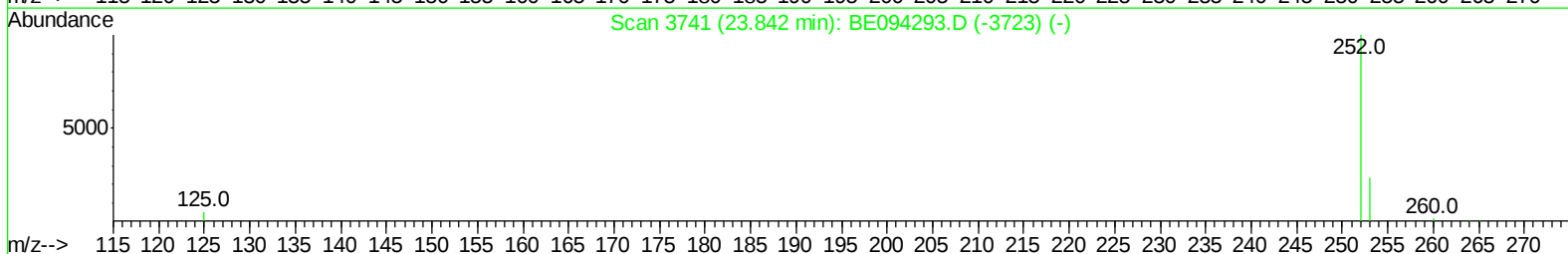
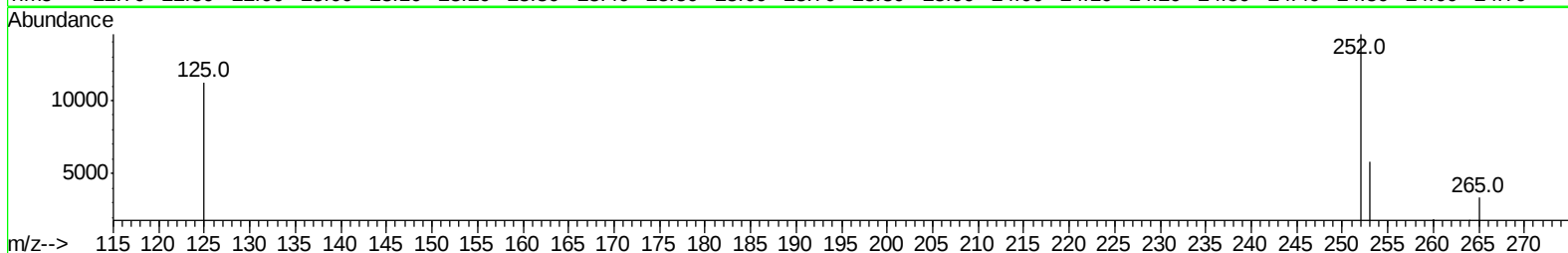
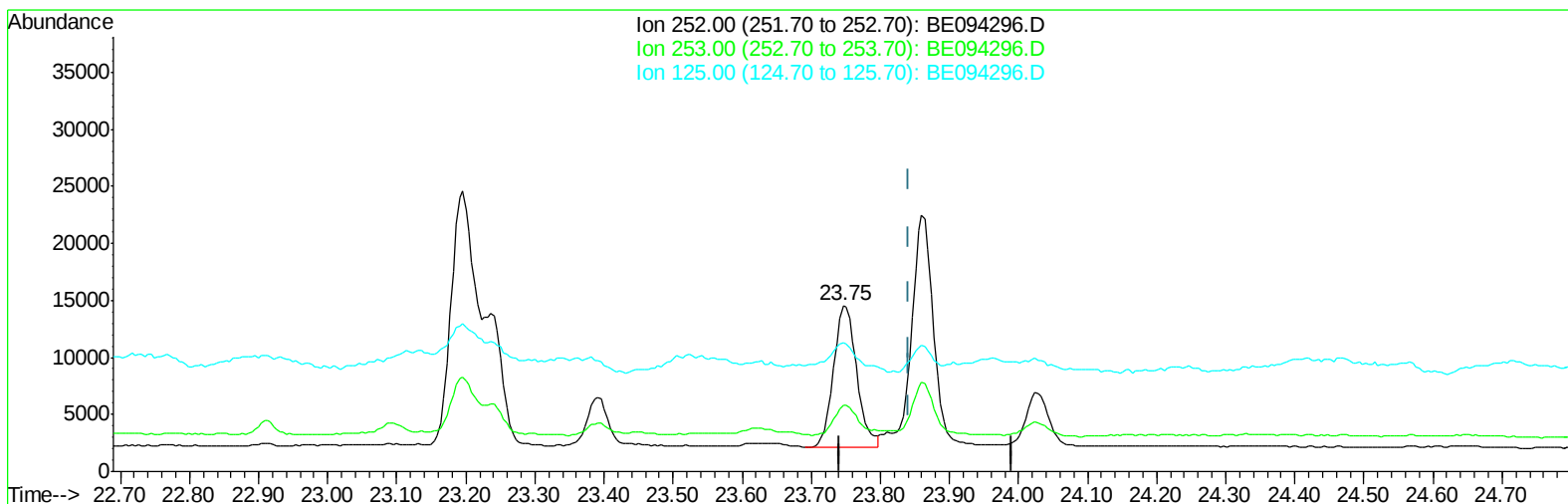
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094296.D
Acq On : 12 Oct 2017 1:22
Operator : SJ/JU
Sample : I5490-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-41(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:56 PM

Quant Time: Oct 12 09:12:27 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
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TIC: BE094296.D

(23) Benzo(a)pyrene (C)

23.746min (-0.095) 1.10ng/ul

response 28458

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	39.90
125.00	22.60	77.45#
0.00	0.00	0.00

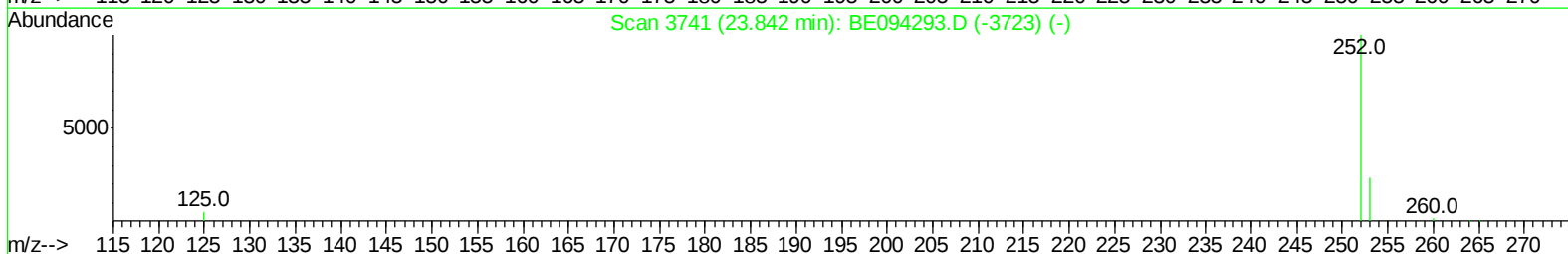
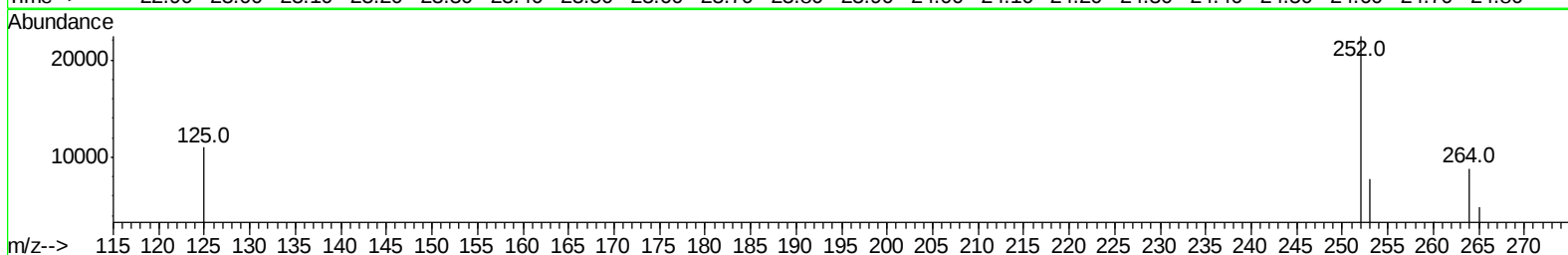
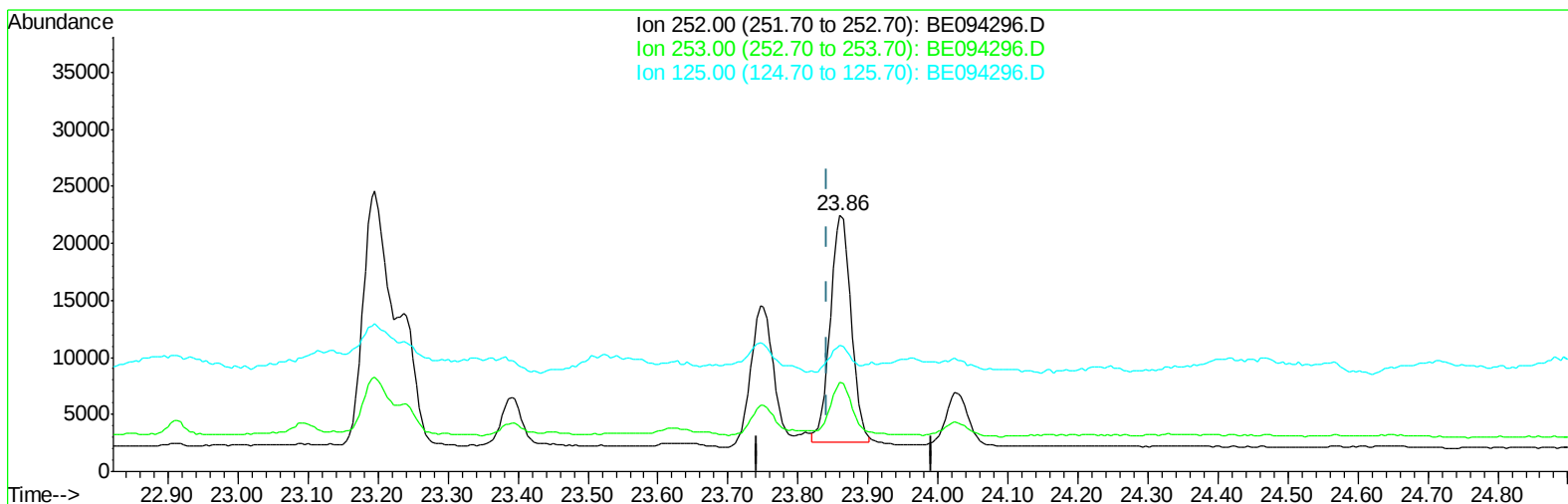
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094296.D
Acq On : 12 Oct 2017 1:22
Operator : SJ/JU
Sample : I5490-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-41(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:56 PM

Quant Time: Oct 12 09:12:27 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 08:55:52 2017
Response via : Initial Calibration



TIC: BE094296.D

(23) Benzo(a)pyrene (C)

23.860min (+0.018) 1.60ng/ul m

response 41488

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	34.65
125.00	22.60	49.12#
0.00	0.00	0.00

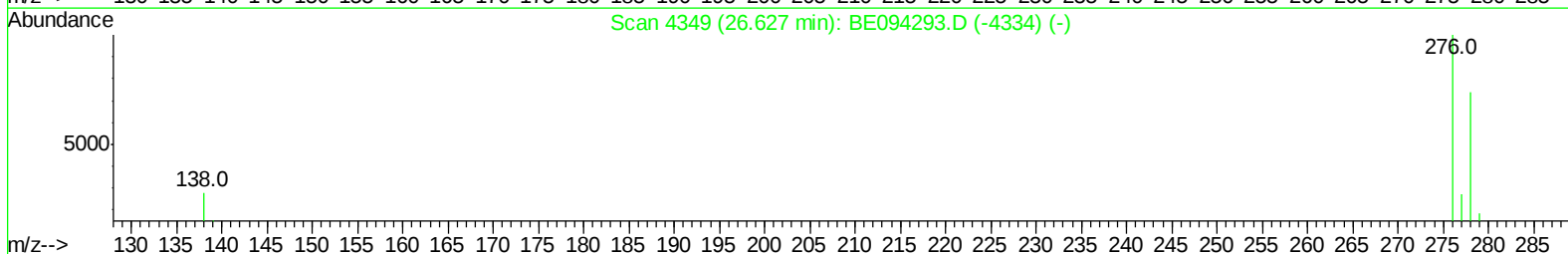
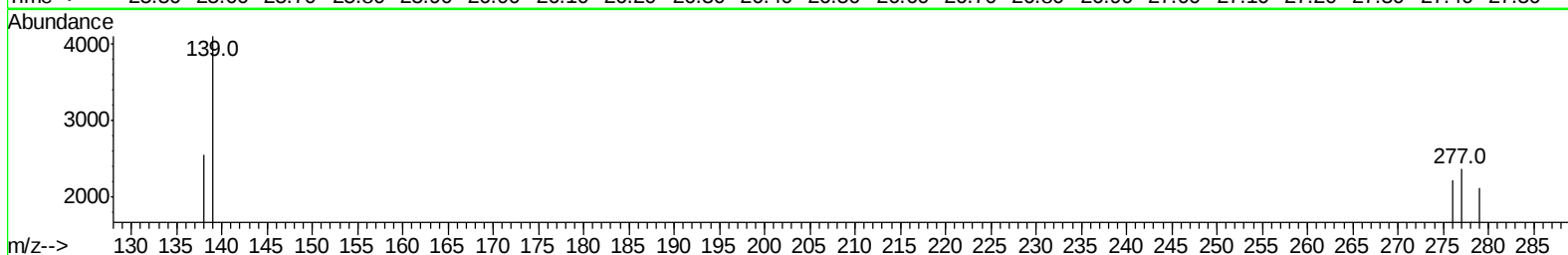
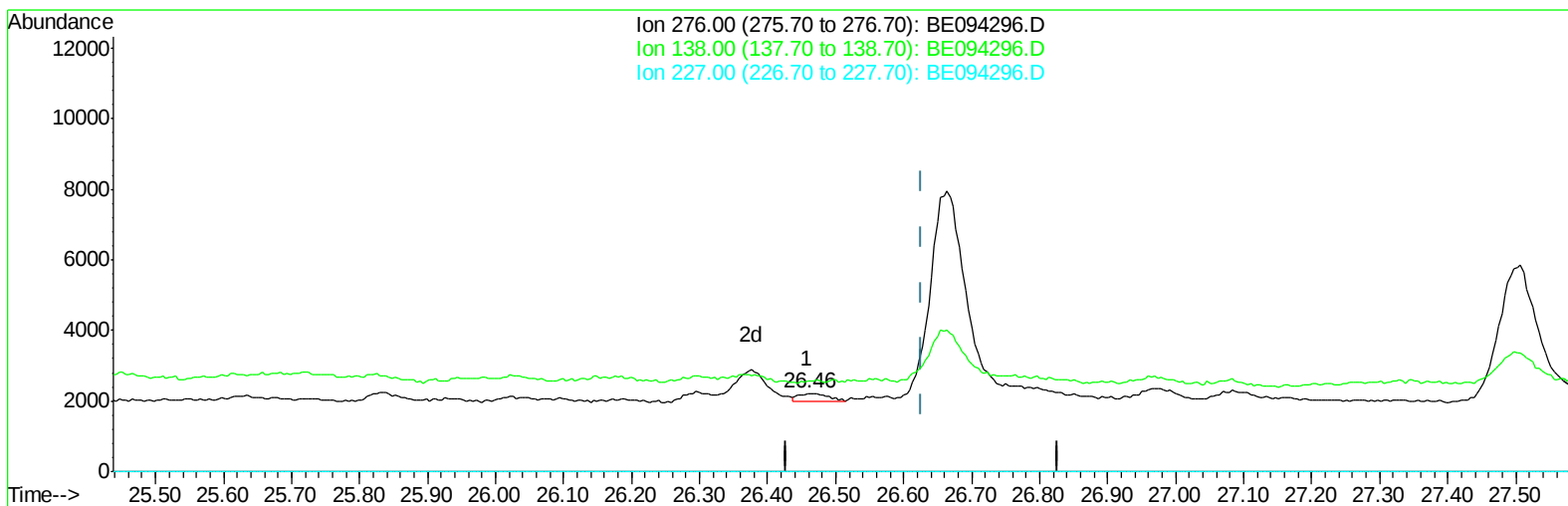
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094296.D
Acq On : 12 Oct 2017 1:22
Operator : SJ/JU
Sample : I5490-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-41(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:56 PM

Quant Time: Oct 12 09:12:27 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
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TIC: BE094296.D

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

26.459min (-0.169) 0.02ng/ul

response 597

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	18.93#
227.00	10.00	0.00#
0.00	0.00	0.00

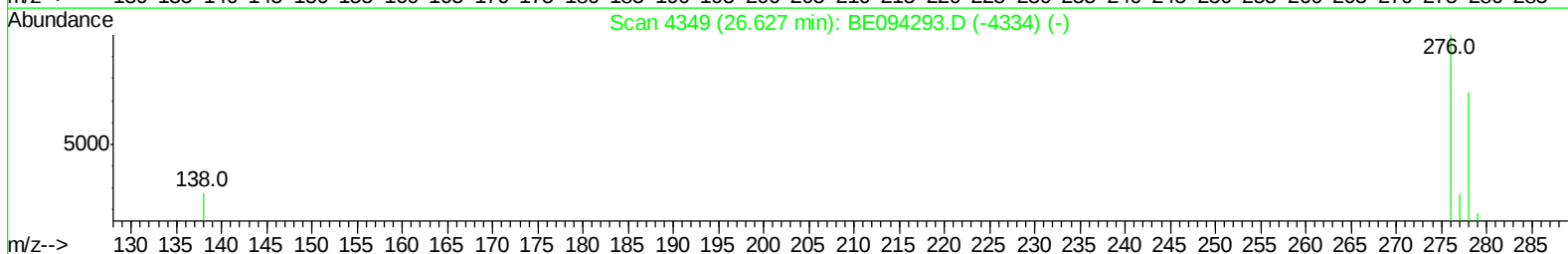
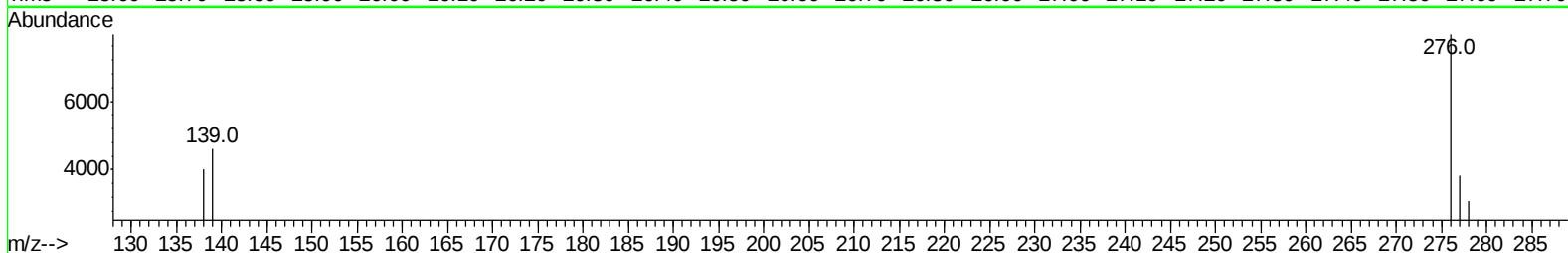
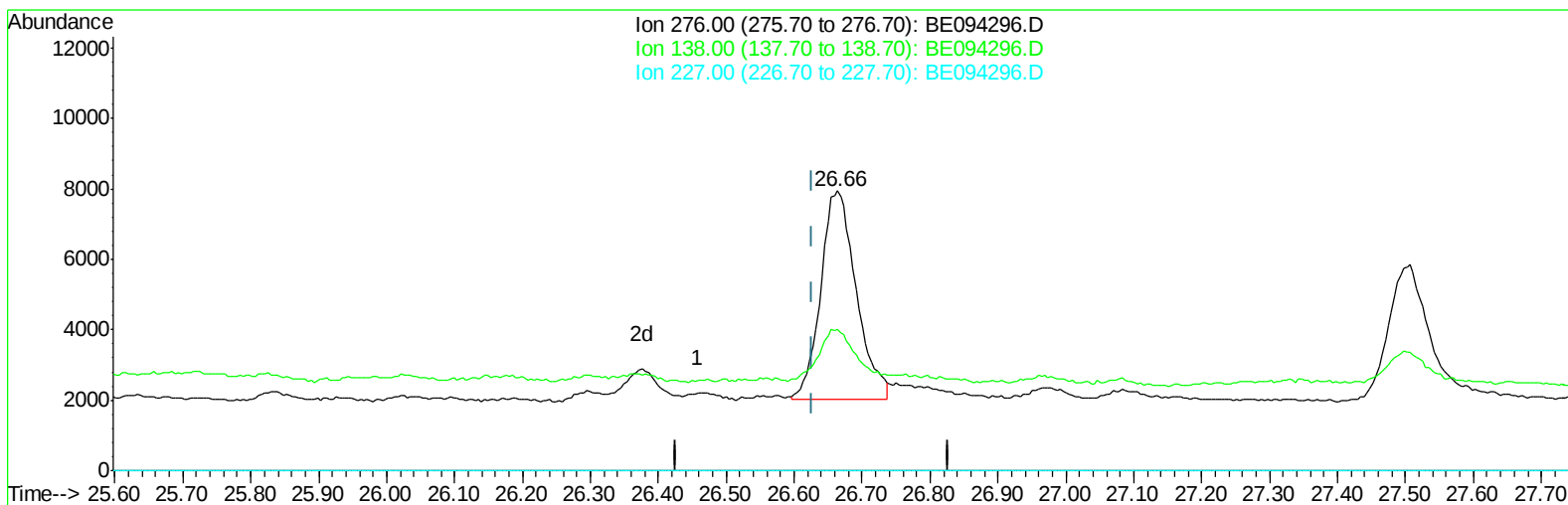
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094296.D
Acq On : 12 Oct 2017 1:22
Operator : SJ/JU
Sample : I5490-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-41(5-7)-092717

Manual Integrations
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Sohil
10/13/2017 12:05:56 PM

Quant Time: Oct 12 09:12:27 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
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Response via : Initial Calibration



TIC: BE094296.D

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

26.664min (+0.036) 0.81ng/ul m

response 21566

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	0.52#
227.00	10.00	0.00#
0.00	0.00	0.00

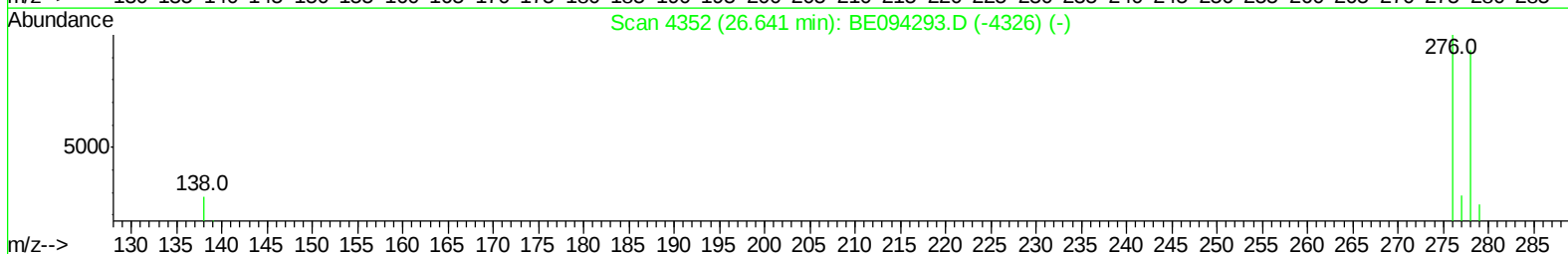
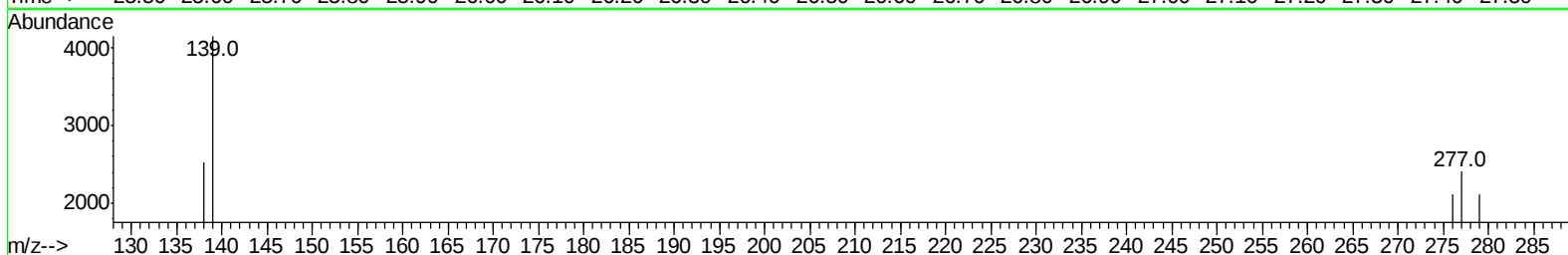
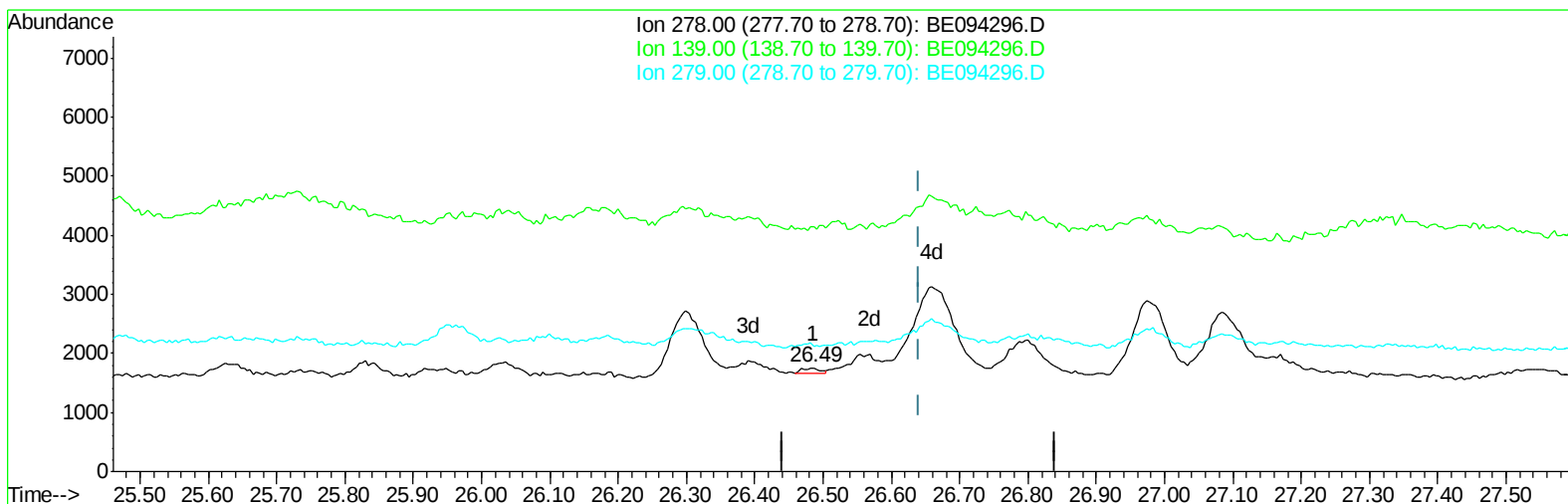
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094296.D
Acq On : 12 Oct 2017 1:22
Operator : SJ/JU
Sample : I5490-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-41(5-7)-092717

Manual Integrations
APPROVED

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10/13/2017 12:05:56 PM

Quant Time: Oct 12 09:12:27 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
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TIC: BE094296.D

(25) Dibenzo(a,h)anthracene

26.486min (-0.155) 0.01ng/ul

response 159

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	236.49#
279.00	32.40	120.92#
0.00	0.00	0.00

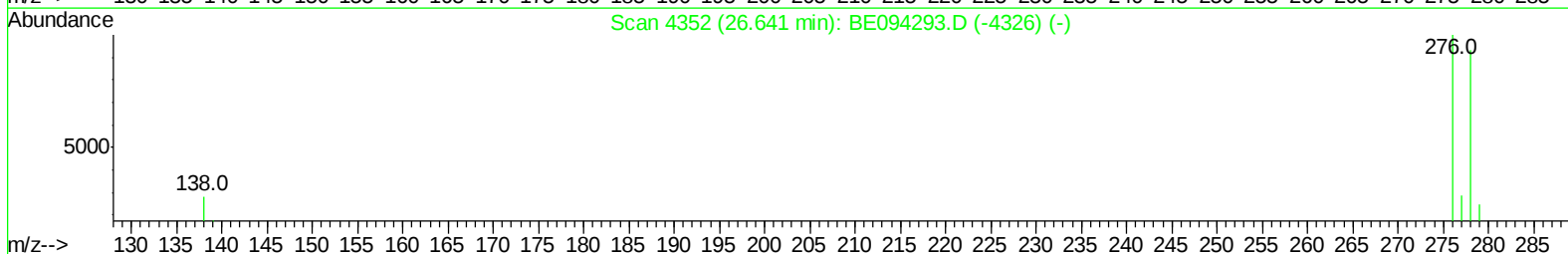
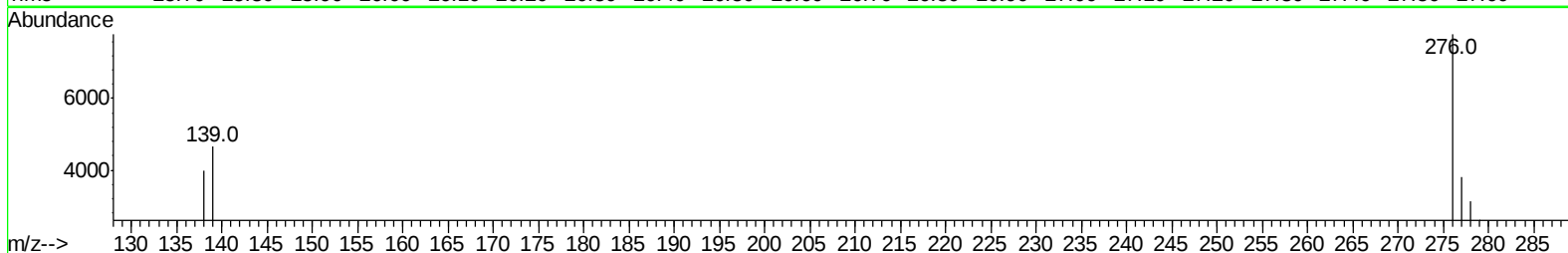
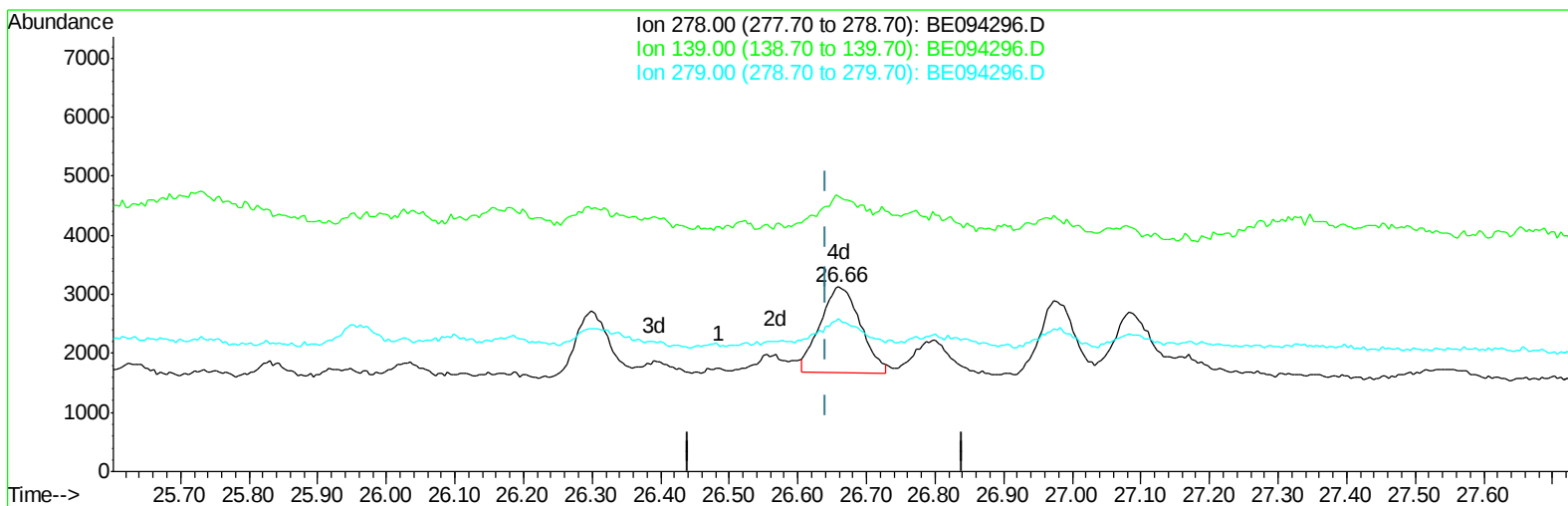
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
 Data File : BE094296.D
 Acq On : 12 Oct 2017 1:22
 Operator : SJ/JU
 Sample : I5490-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-41(5-7)-092717

Manual Integrations
 APPROVED

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Quant Time: Oct 12 09:12:27 2017
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 Response via : Initial Calibration



TIC: BE094296.D

(25) Dibenzo(a,h)anthracene

26.659min (+0.018) 0.27ng/ul m

response 5926

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	148.87#
279.00	32.40	82.81#
0.00	0.00	0.00

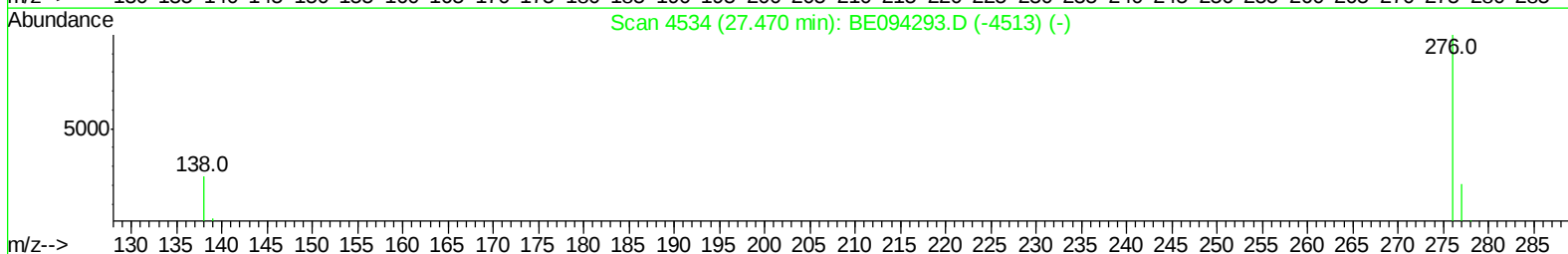
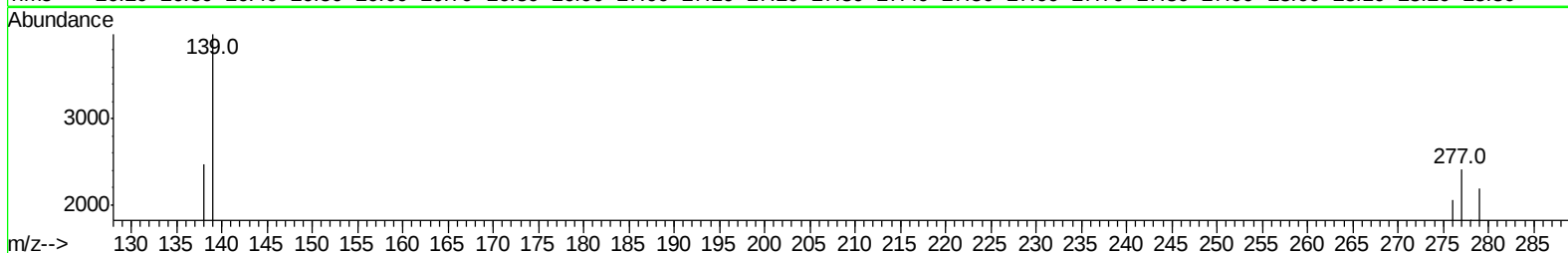
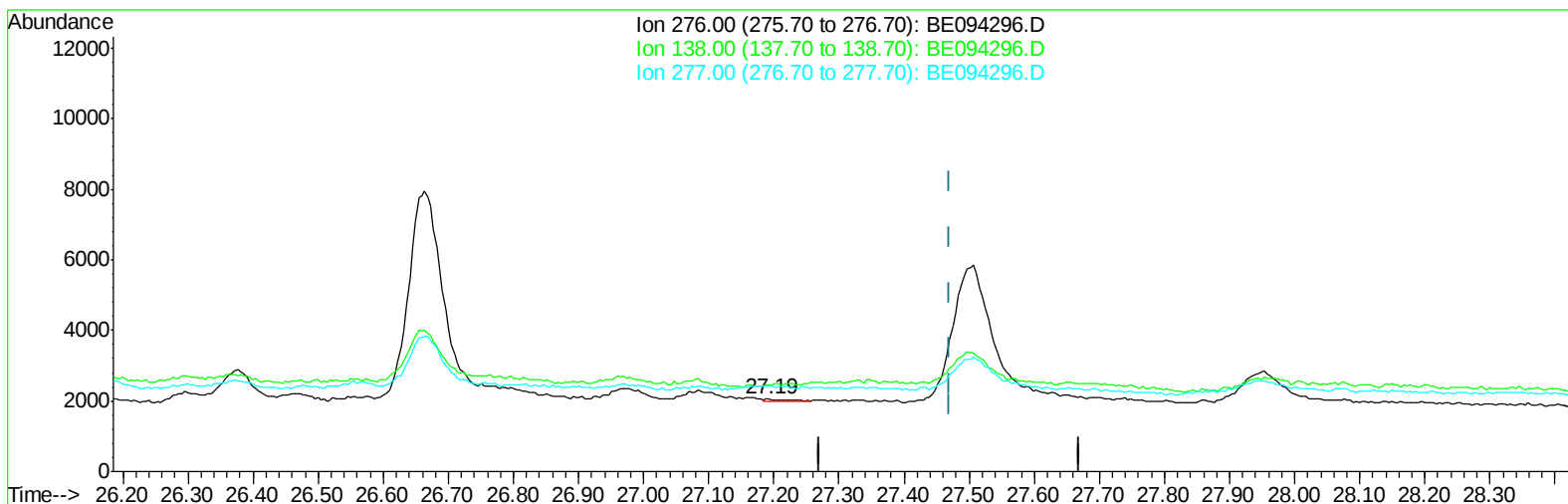
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
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Instrument :
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Manual Integrations
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TIC: BE094296.D

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

27.192min (-0.278) 0.00ng/ul

response 113

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	120.50#
277.00	25.60	117.53#
0.00	0.00	0.00

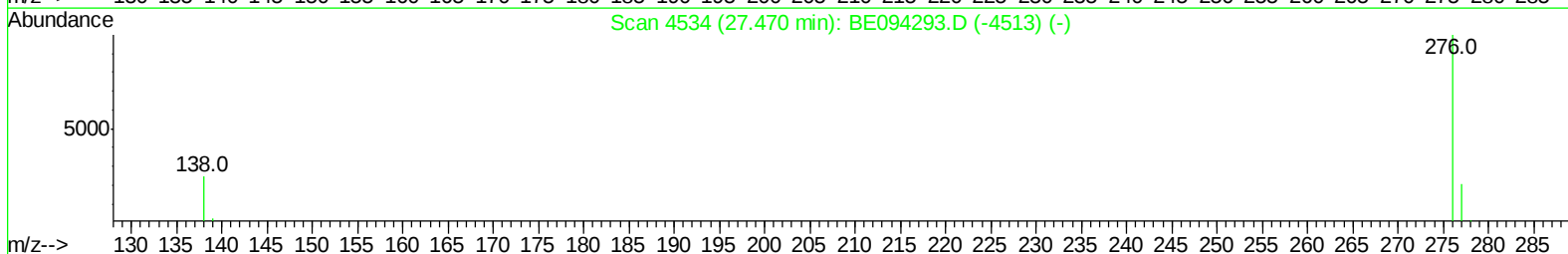
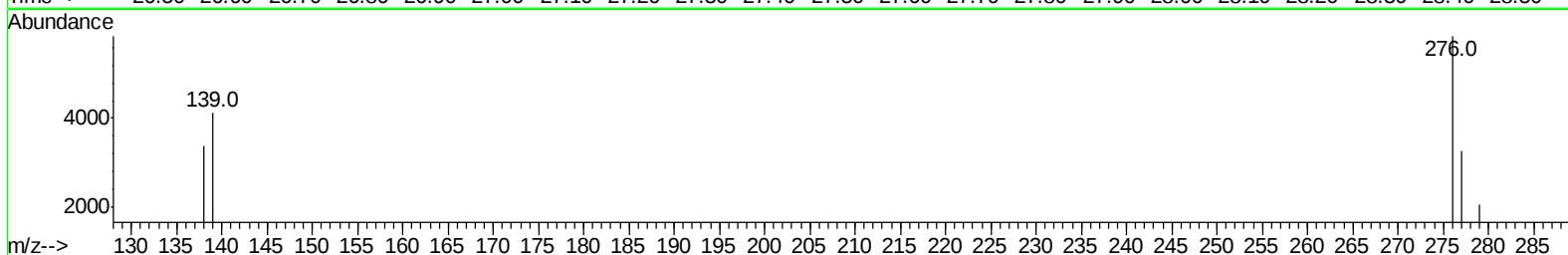
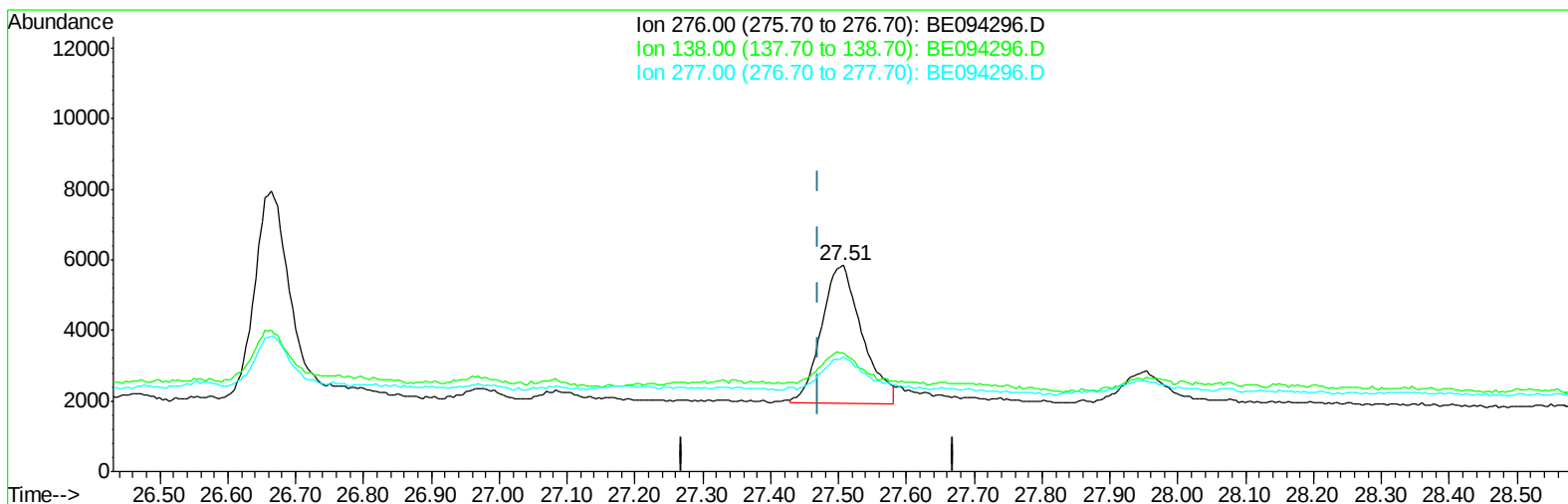
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094296.D
Acq On : 12 Oct 2017 1:22
Operator : SJ/JU
Sample : I5490-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-41(5-7)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:56 PM

Quant Time: Oct 12 09:12:27 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 08:55:52 2017
Response via : Initial Calibration



TIC: BE094296.D

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

27.507min (+0.036) 0.71ng/ul m

response 16316

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	57.68#
277.00	25.60	55.65#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
 Data File : BE094296.D
 Acq On : 12 Oct 2017 1:22
 Operator : SJ/JU
 Sample : I5490-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-41(5-7)-092717

Manual Integrations
 APPROVED

Sohil
 10/13/2017 12:05:56 PM

Quant Time: Oct 12 09:14:48 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 08:55:52 2017
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1740	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	8619	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.54	164	5092	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.27	188	10774m	0.40	ng/ul	0.02
16) Chrysene-d12	21.44	240	9796	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	9189m	0.40	ng/ul	0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.30	152	4276	0.32	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	9867	0.27	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.76	128	1473	0.070	ng/ul#	88
5) 2-Methylnaphthalene	12.37	142	506	0.037	ng/ul	97
7) Acenaphthylene	14.26	152	1264	0.064	ng/ul#	78
8) Acenaphthene	14.60	153	559	0.034	ng/ul	93
9) Fluorene	15.58	166	589	0.031	ng/ul#	70
12) Phenanthrene	17.31	178	19556	0.695	ng/ul#	91
13) Anthracene	17.39	178	5611	0.205	ng/ul#	82
15) Fluoranthene	19.33	202	64343	1.739	ng/ul	84
17) Pyrene	19.69	202	70319	2.580	ng/ul#	80
18) Benzo(a)anthracene	21.42	228	48910	1.882	ng/ul#	89
19) Chrysene	21.47	228	47272	1.575	ng/ul#	84
21) Benzo(b)fluoranthene	23.20	252	50623	2.028	ng/ul#	69
22) Benzo(k)fluoranthene	23.24	252	21603m	0.749	ng/ul	
23) Benzo(a)pyrene	23.86	252	41488m	1.599	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.66	276	21566m	0.813	ng/ul	
25) Dibenzo(a,h)anthracene	26.66	278	5926m	0.266	ng/ul	
26) Benzo(a,h,i)perylene	27.51	276	16316m	0.713	ng/ul	

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

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