

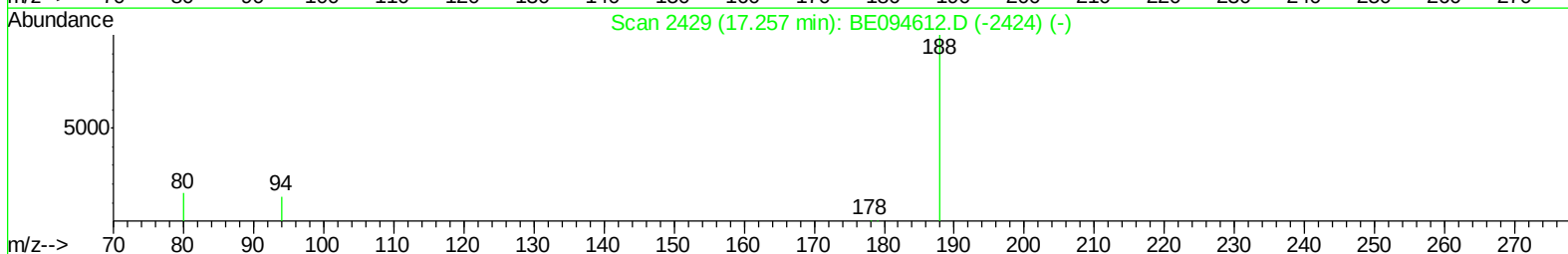
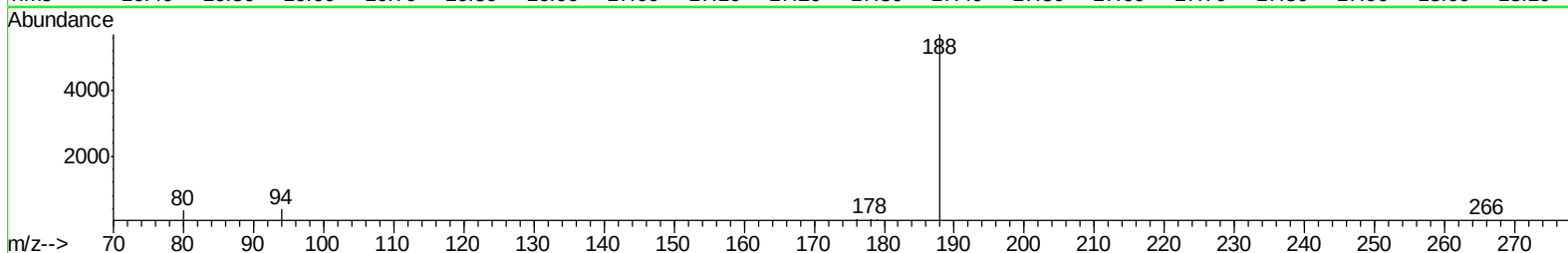
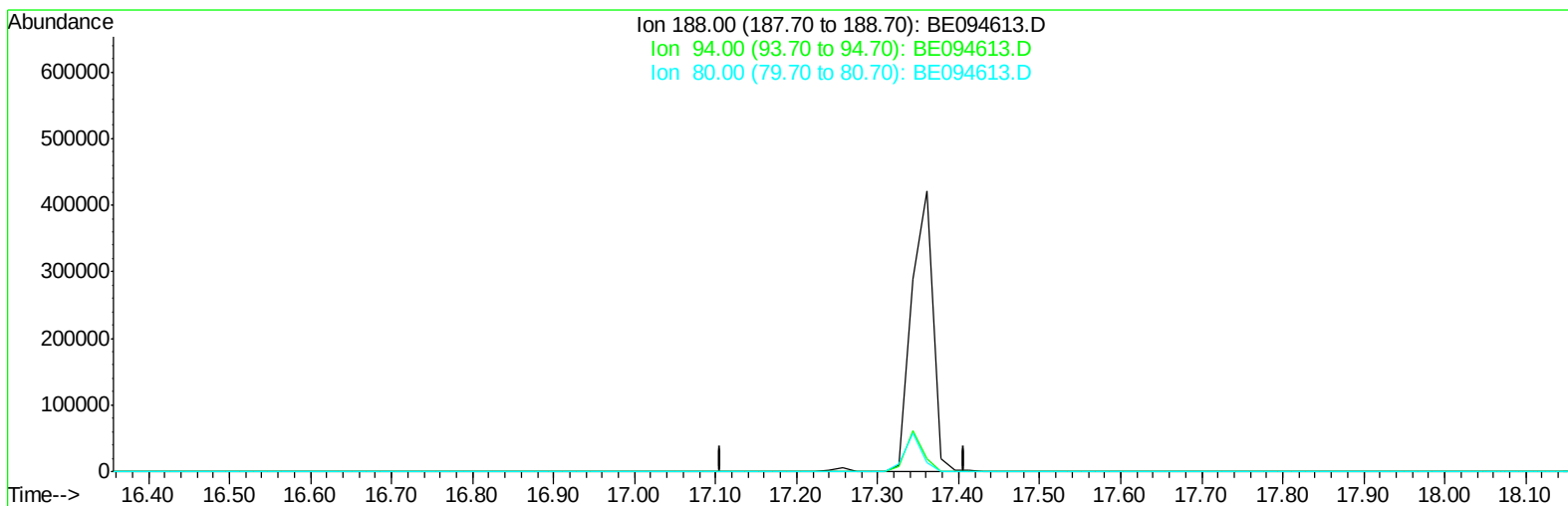
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094613.D
Acq On : 28 Oct 2017 1:35
Operator : SJ/JU
Sample : I5842-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AB4

Manual Integrations
APPROVED

Sohil
10/30/2017 6:37:17 PM

Quant Time: Oct 30 02:32:05 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 02:20:53 2017
Response via : Initial Calibration



TIC: BE094613.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

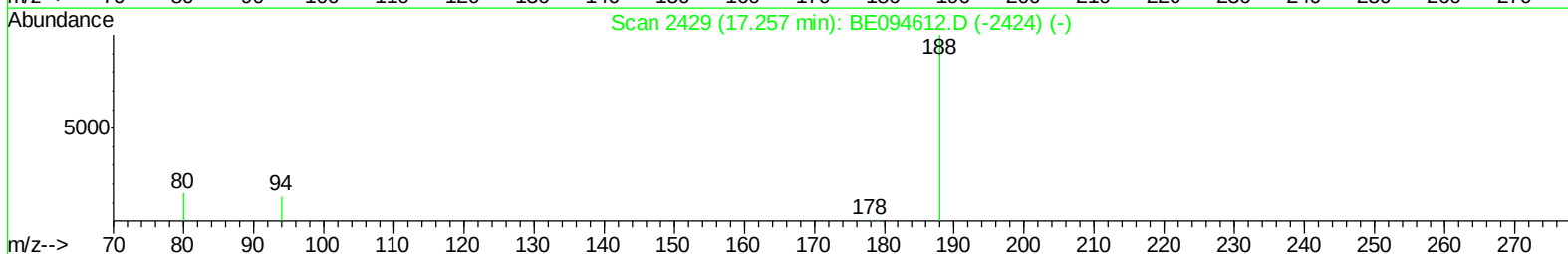
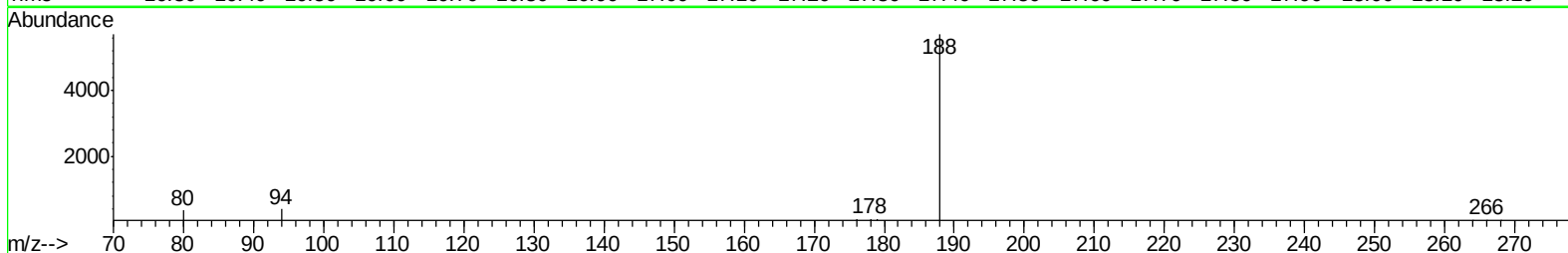
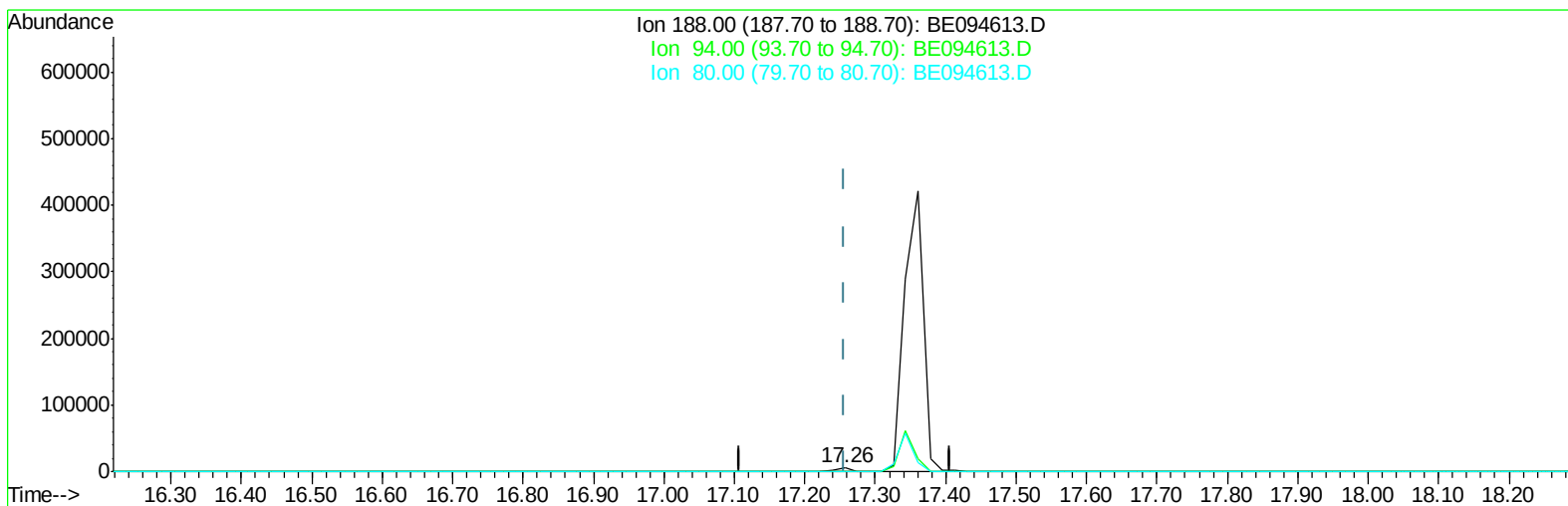
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094613.D
Acq On : 28 Oct 2017 1:35
Operator : SJ/JU
Sample : I5842-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AB4

Manual Integrations
APPROVED

Sohil
10/30/2017 6:37:17 PM

Quant Time: Oct 30 02:32:05 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 02:20:53 2017
Response via : Initial Calibration



TIC: BE094613.D

(10) Phenanthrene-d10 (I)

17.257min (-0.001) 0.40ng/ul m

response 8636

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	6.88#
80.00	11.80	6.25#
0.00	0.00	0.00

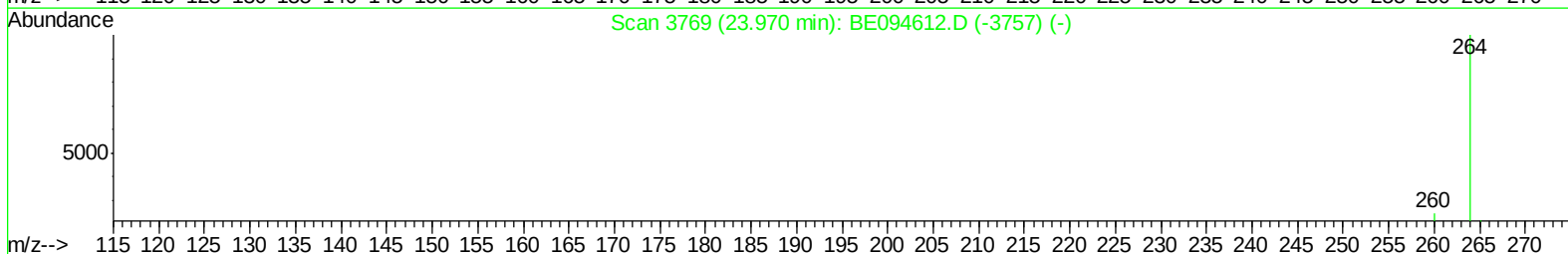
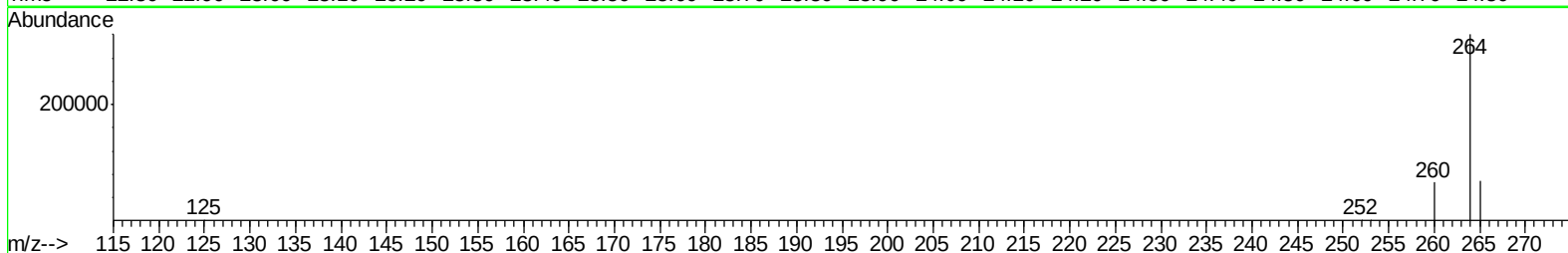
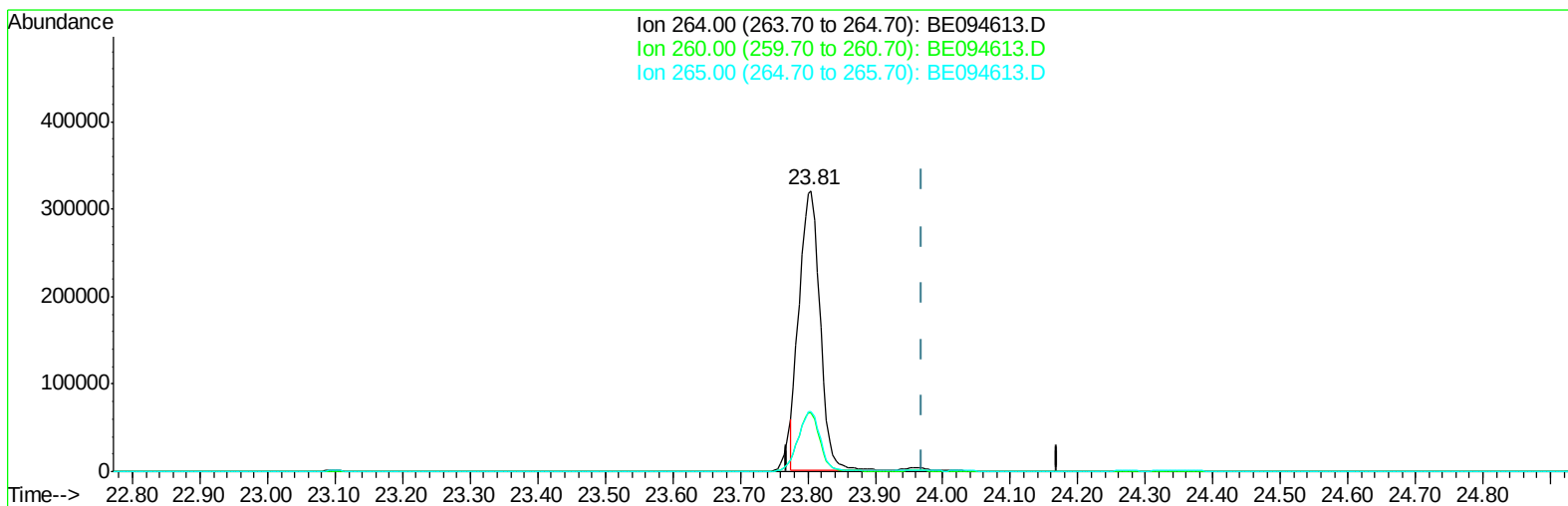
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094613.D
Acq On : 28 Oct 2017 1:35
Operator : SJ/JU
Sample : I5842-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AB4

Manual Integrations
APPROVED

Sohil
10/30/2017 6:37:17 PM

Quant Time: Oct 30 02:34:33 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 02:20:53 2017
Response via : Initial Calibration



TIC: BE094613.D

(20) Perylene-d12 (I)

23.805min (-0.164) 0.40ng/ul

response 687144

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.71#
265.00	103.50	21.44#
0.00	0.00	0.00

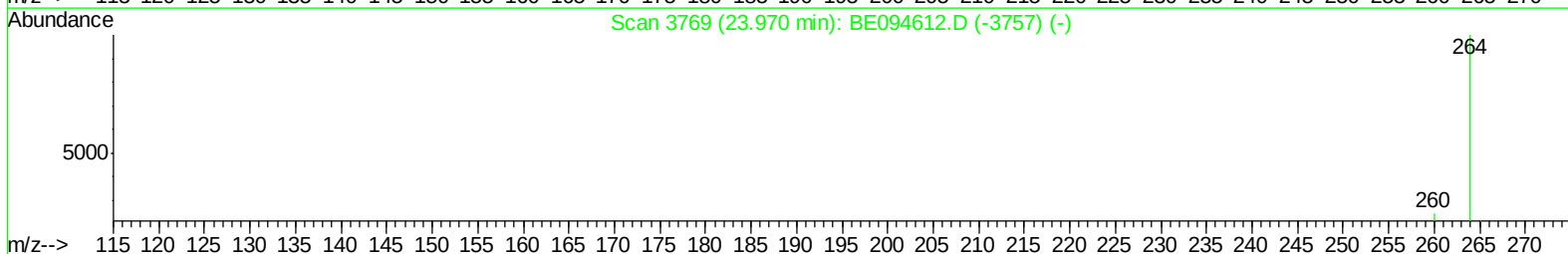
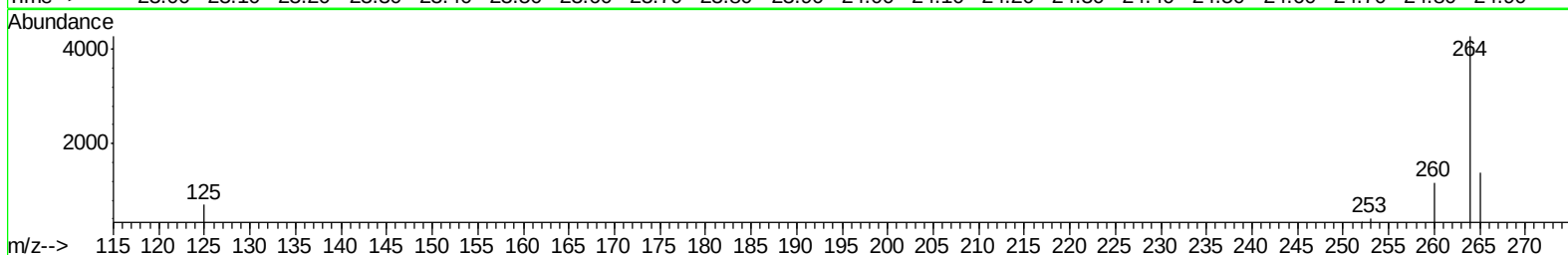
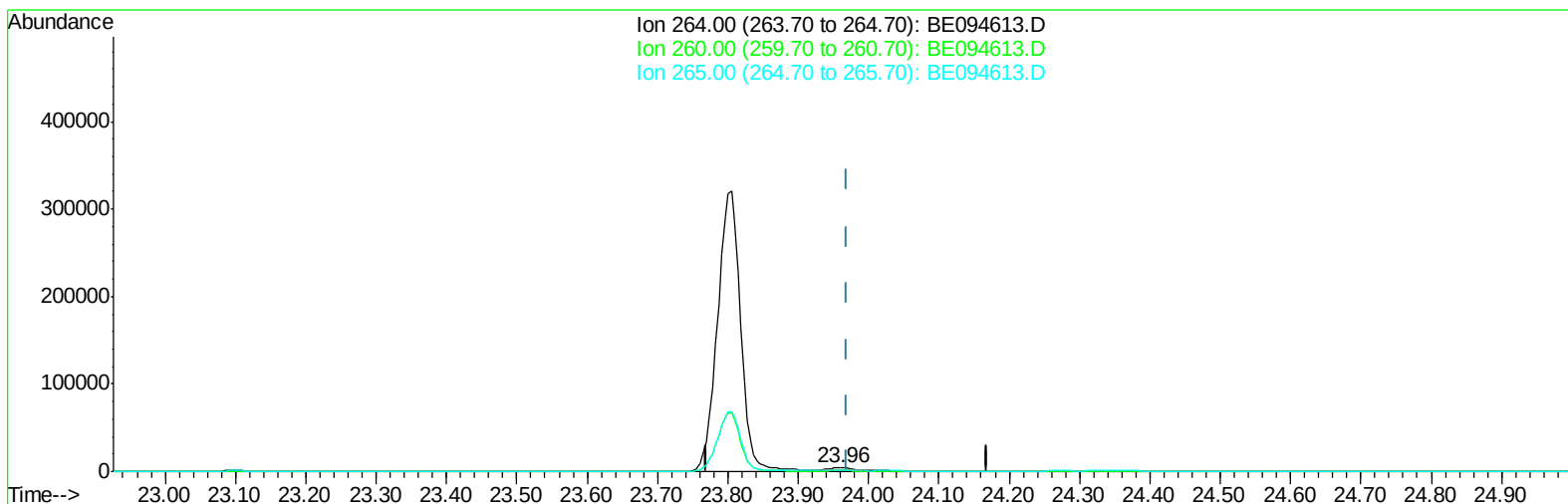
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
 Data File : BE094613.D
 Acq On : 28 Oct 2017 1:35
 Operator : SJ/JU
 Sample : I5842-16
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AB4

Manual Integrations
 APPROVED

Sohil
 10/30/2017 6:37:17 PM

Quant Time: Oct 30 02:34:33 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 30 02:20:53 2017
 Response via : Initial Calibration



TIC: BE094613.D

(20) Perylene-d12 (I)

23.960min (-0.009) 0.40ng/ul m

response 7904

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	27.28
265.00	103.50	32.19#
0.00	0.00	0.00

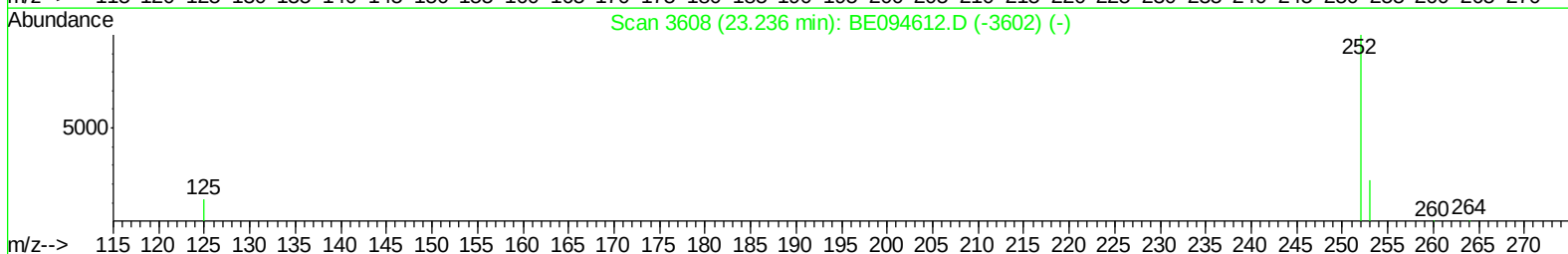
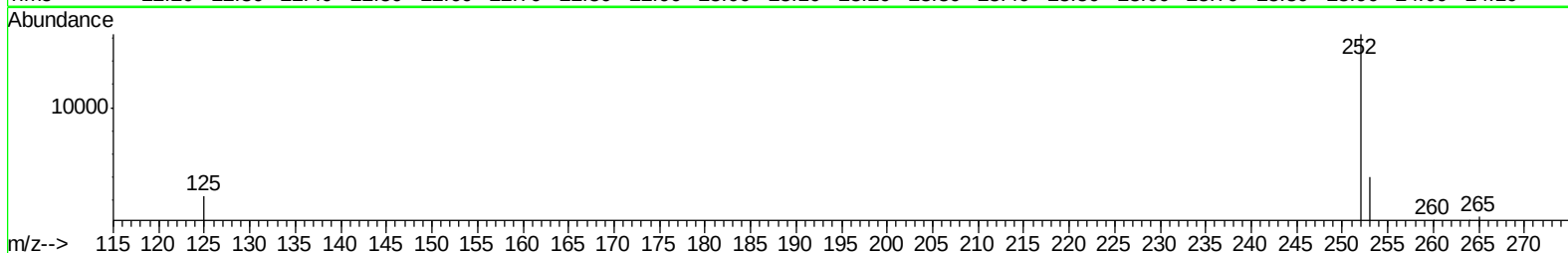
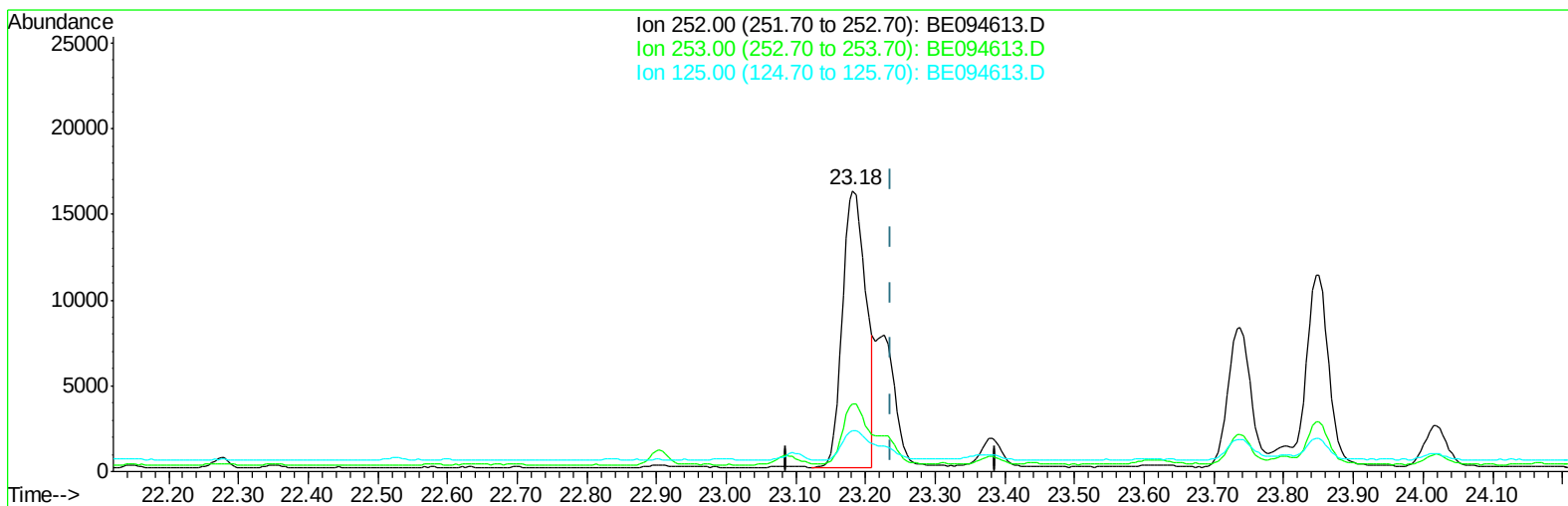
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094613.D
Acq On : 28 Oct 2017 1:35
Operator : SJ/JU
Sample : I5842-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AB4

Manual Integrations
APPROVED

Sohil
10/30/2017 6:37:17 PM

Quant Time: Oct 30 02:35:24 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 02:20:53 2017
Response via : Initial Calibration



TIC: BE094613.D

(22) Benzo(k)fluoranthene
23.181min (-0.055) 1.58ng/ul
response 37590

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	24.27#
125.00	17.10	14.42
0.00	0.00	0.00

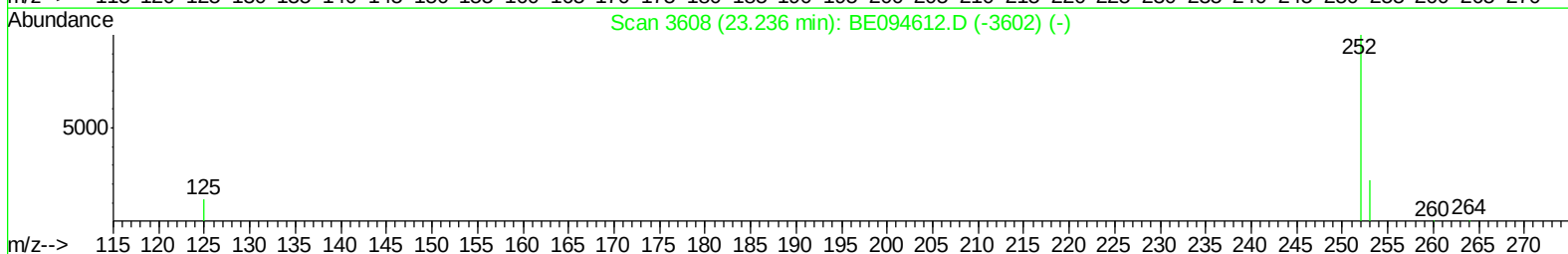
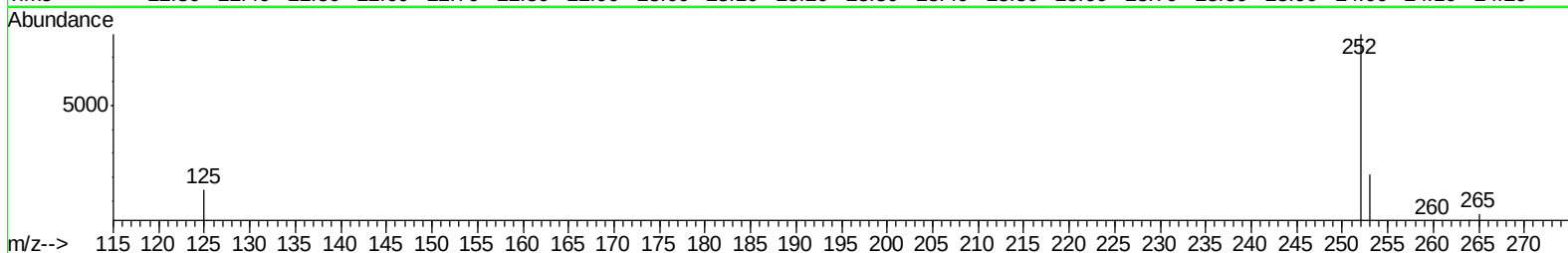
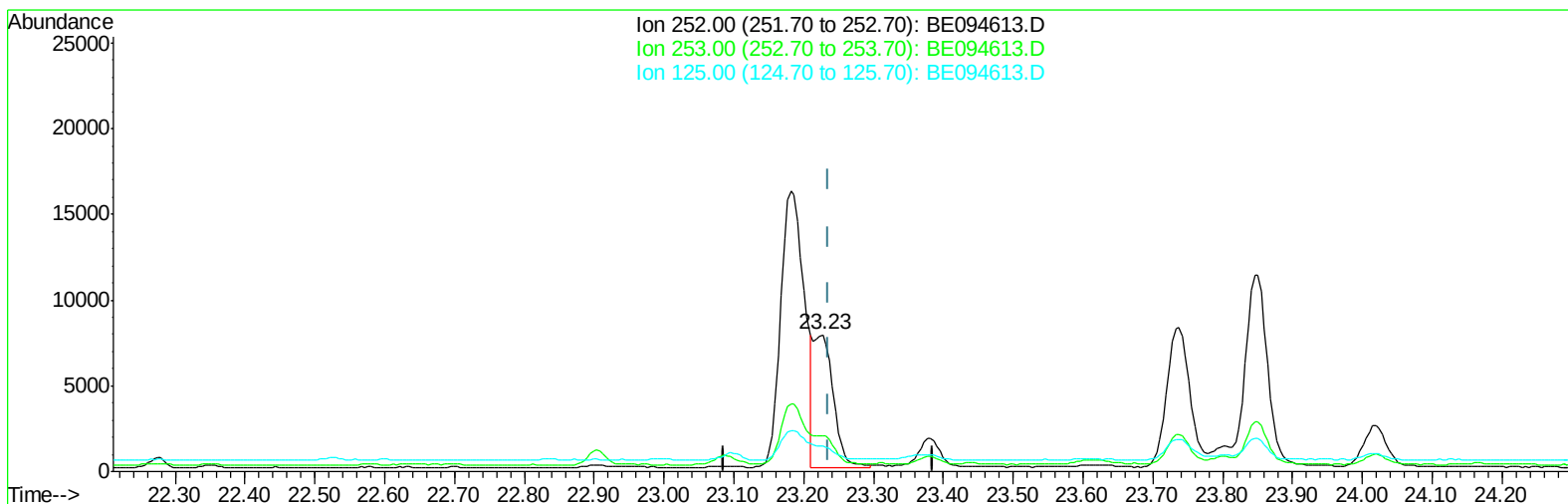
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094613.D
Acq On : 28 Oct 2017 1:35
Operator : SJ/JU
Sample : I5842-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AB4

Manual Integrations
APPROVED

Sohil
10/30/2017 6:37:17 PM

Quant Time: Oct 30 02:35:24 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 02:20:53 2017
Response via : Initial Calibration



TIC: BE094613.D

(22) Benzo(k)fluoranthene

23.227min (-0.009) 0.66ng/ul m

response 15612

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	26.58
125.00	17.10	18.70
0.00	0.00	0.00

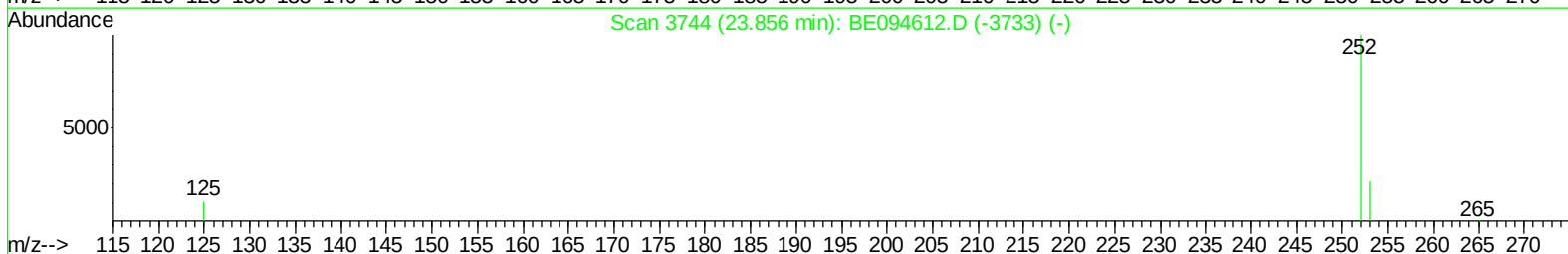
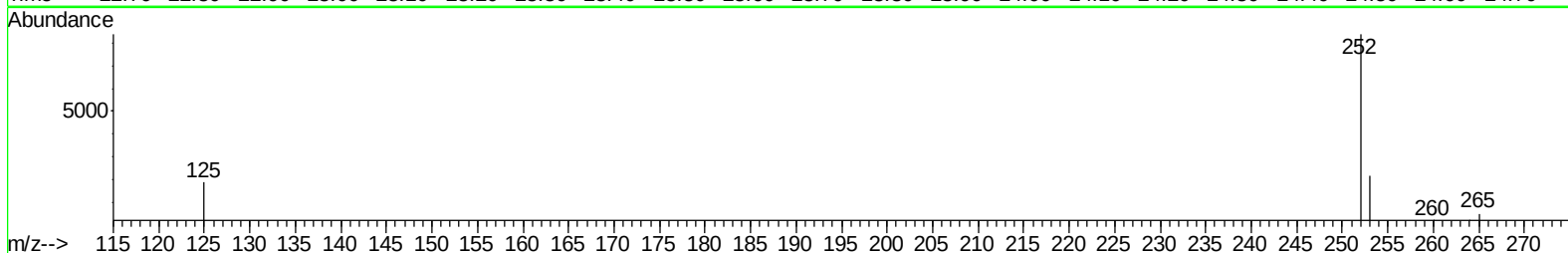
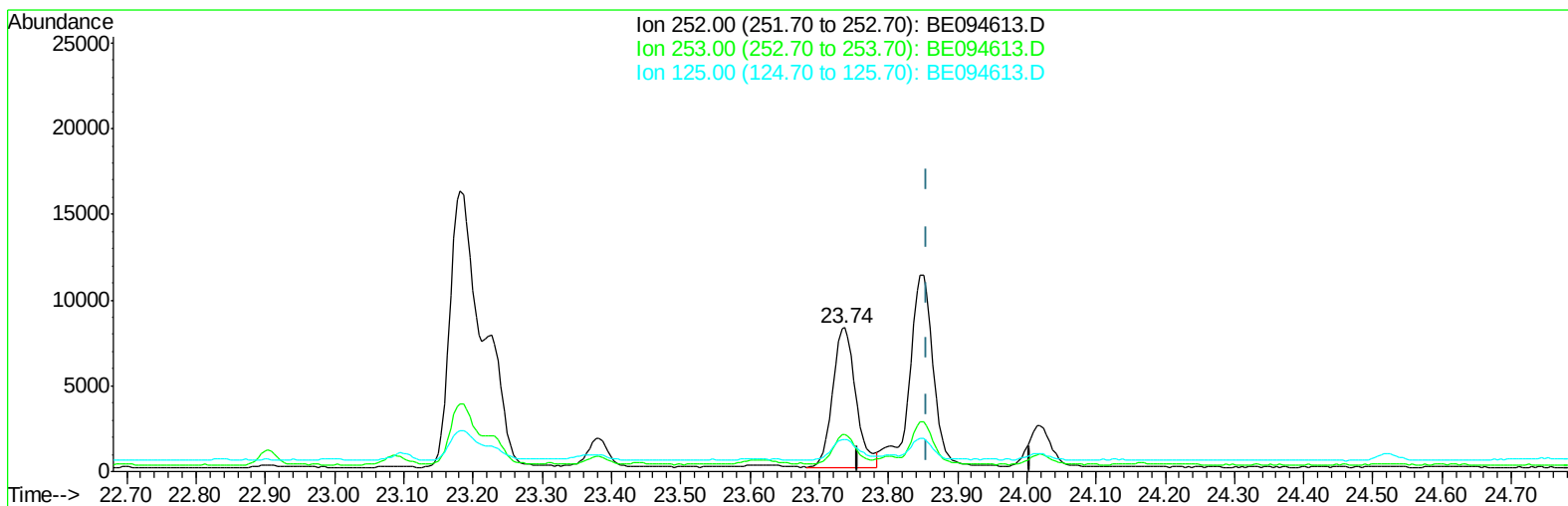
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094613.D
Acq On : 28 Oct 2017 1:35
Operator : SJ/JU
Sample : I5842-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AB4

Manual Integrations
APPROVED

Sohil
10/30/2017 6:37:17 PM

Quant Time: Oct 30 02:35:24 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
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Response via : Initial Calibration



TIC: BE094613.D

(23) Benzo(a)pyrene (C)

23.737min (-0.119) 0.86ng/ul

response 19108

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	26.11#
125.00	22.60	22.37
0.00	0.00	0.00

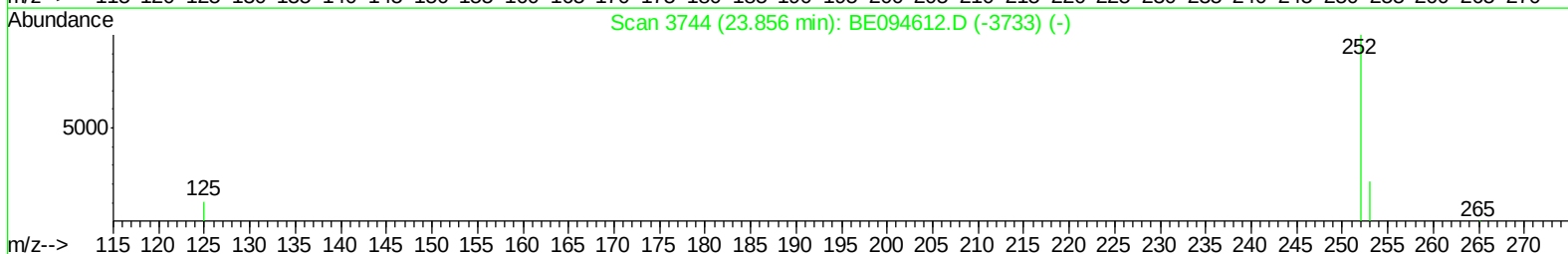
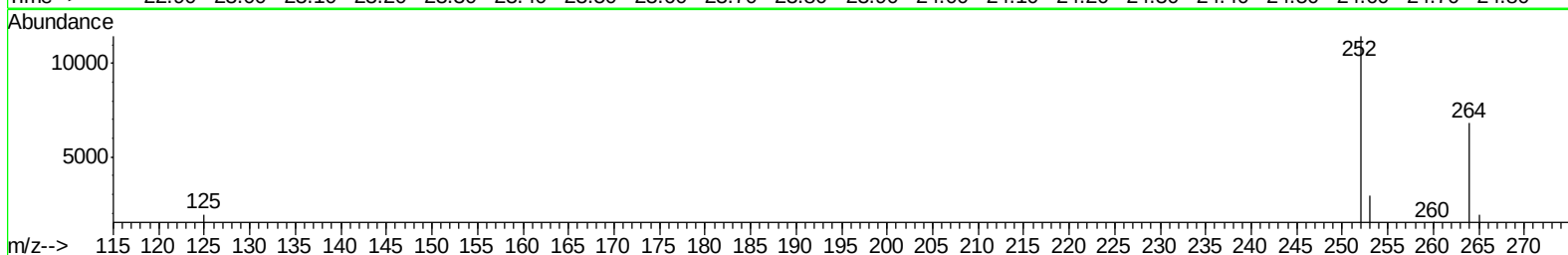
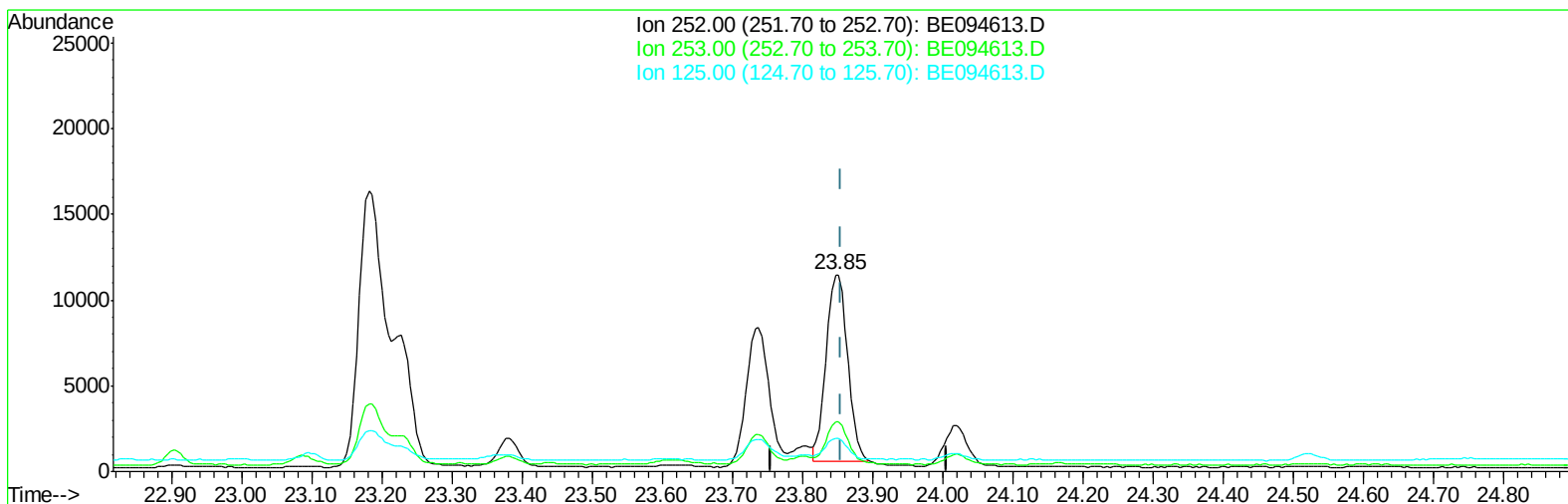
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094613.D
Acq On : 28 Oct 2017 1:35
Operator : SJ/JU
Sample : I5842-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AB4

Manual Integrations
APPROVED

Sohil
10/30/2017 6:37:17 PM

Quant Time: Oct 30 02:35:24 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
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Response via : Initial Calibration



TIC: BE094613.D

(23) Benzo(a)pyrene (C)

23.851min (-0.005) 1.02ng/ul m

response 22745

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	25.57#
125.00	22.60	16.76#
0.00	0.00	0.00

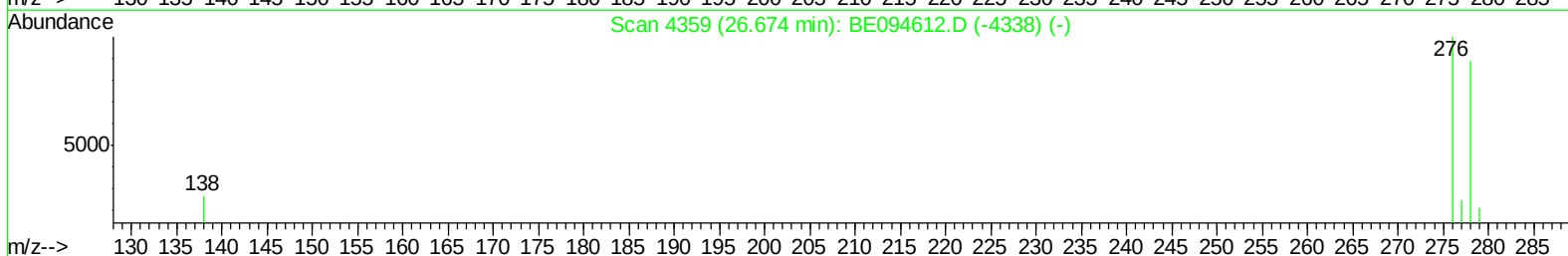
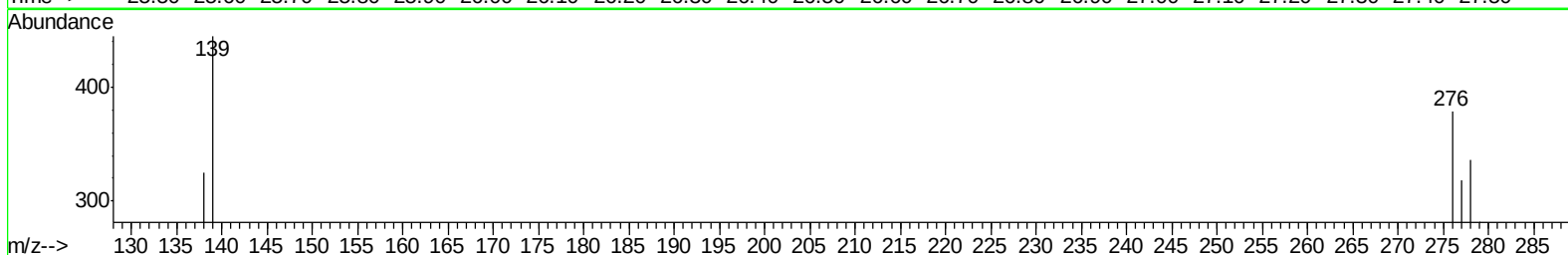
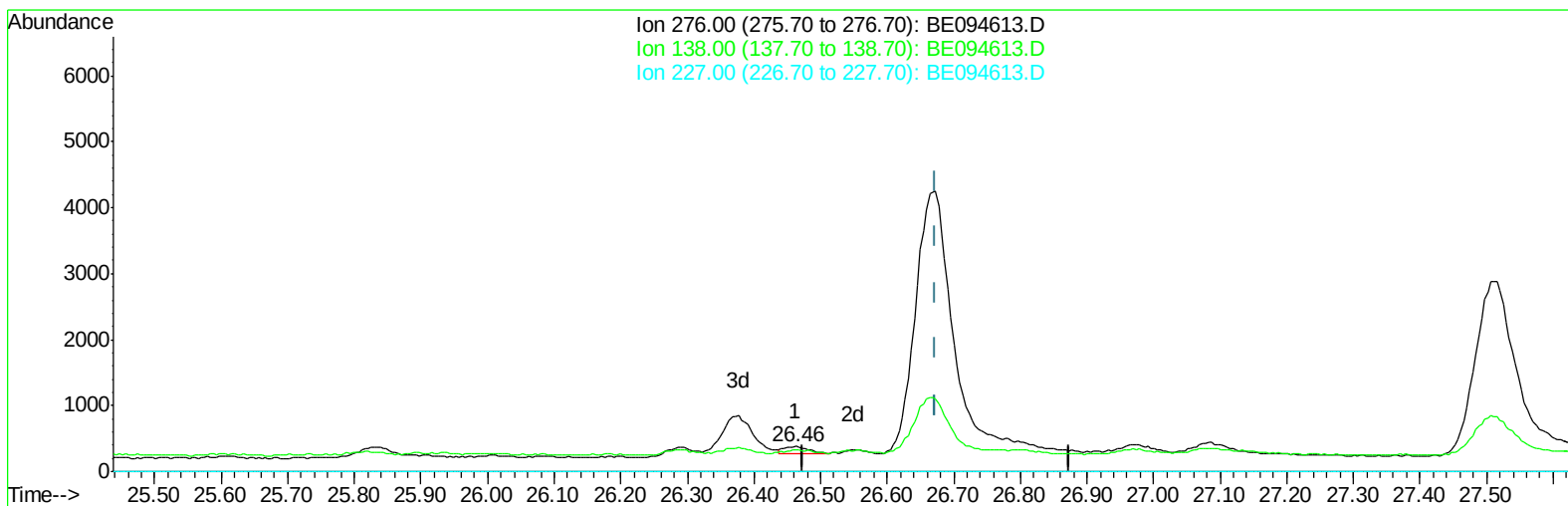
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
 Data File : BE094613.D
 Acq On : 28 Oct 2017 1:35
 Operator : SJ/JU
 Sample : I5842-16
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AB4

Manual Integrations
 APPROVED

Sohil
 10/30/2017 6:37:17 PM

Quant Time: Oct 30 02:35:24 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 30 02:20:53 2017
 Response via : Initial Calibration



TIC: BE094613.D

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

26.463min (-0.210) 0.01ng/ul

response 280

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	56.79#
227.00	10.00	0.00#
0.00	0.00	0.00

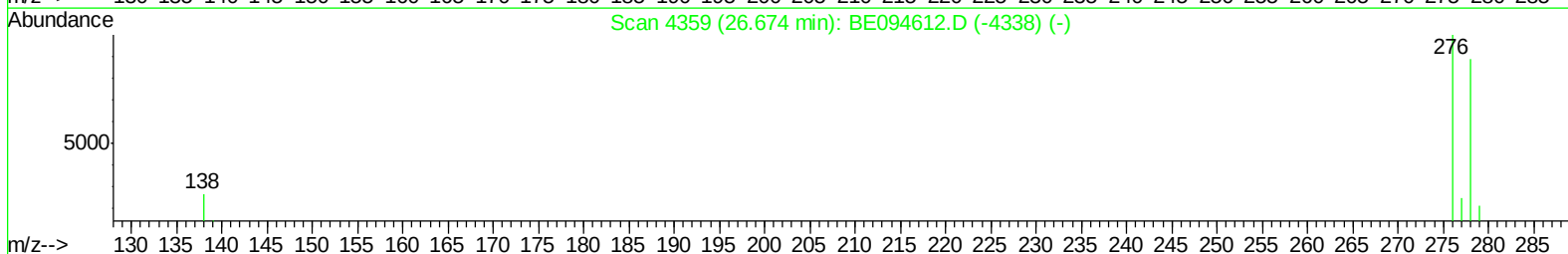
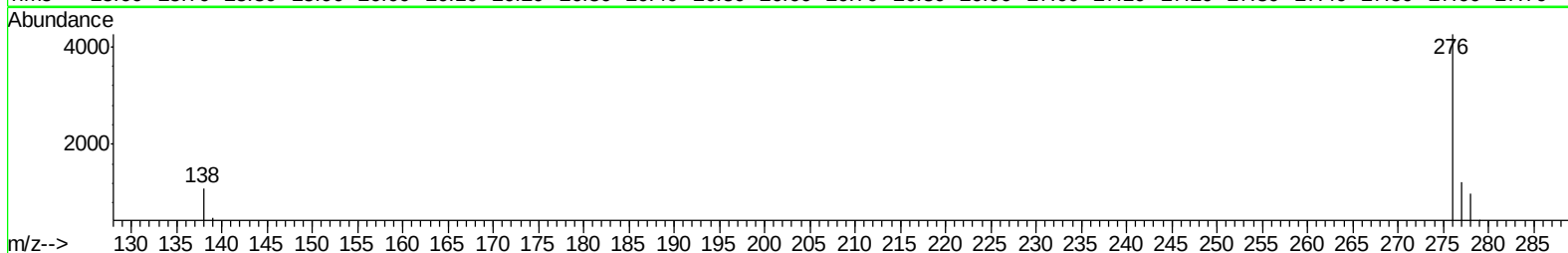
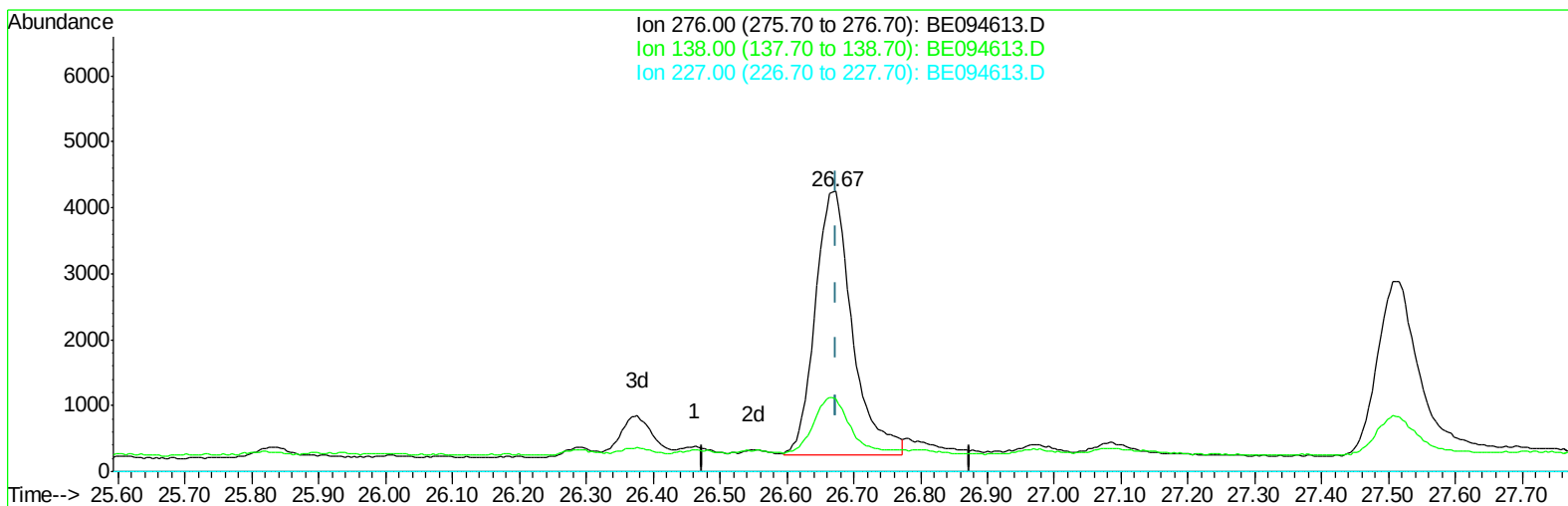
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094613.D
Acq On : 28 Oct 2017 1:35
Operator : SJ/JU
Sample : I5842-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AB4

Manual Integrations
APPROVED

Sohil
10/30/2017 6:37:17 PM

Quant Time: Oct 30 02:35:24 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
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Response via : Initial Calibration



TIC: BE094613.D

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

26.673min (-0.001) 0.67ng/ul m

response 15476

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	1.03#
227.00	10.00	0.00#
0.00	0.00	0.00

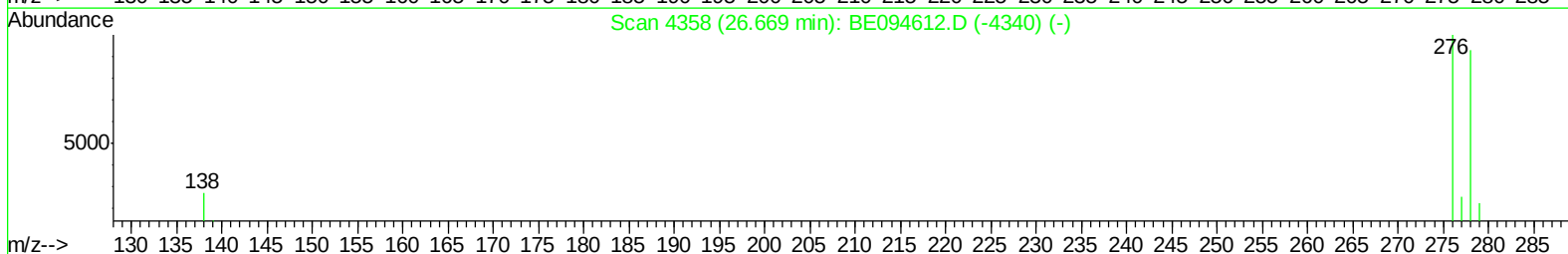
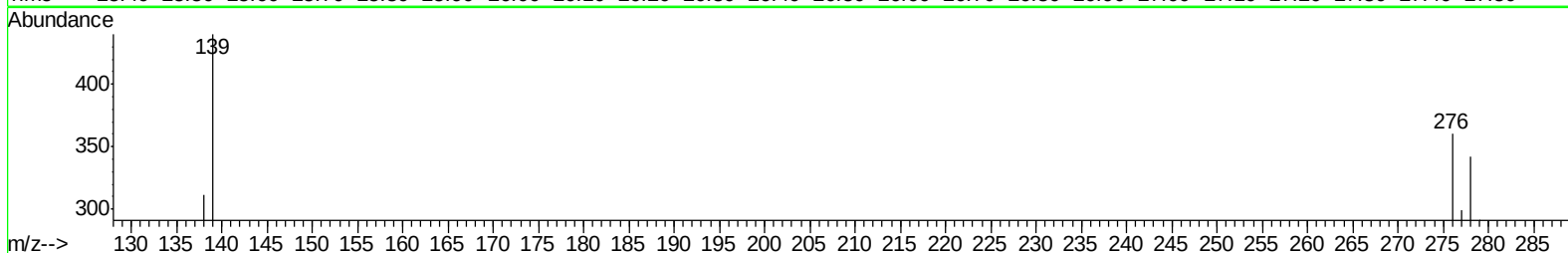
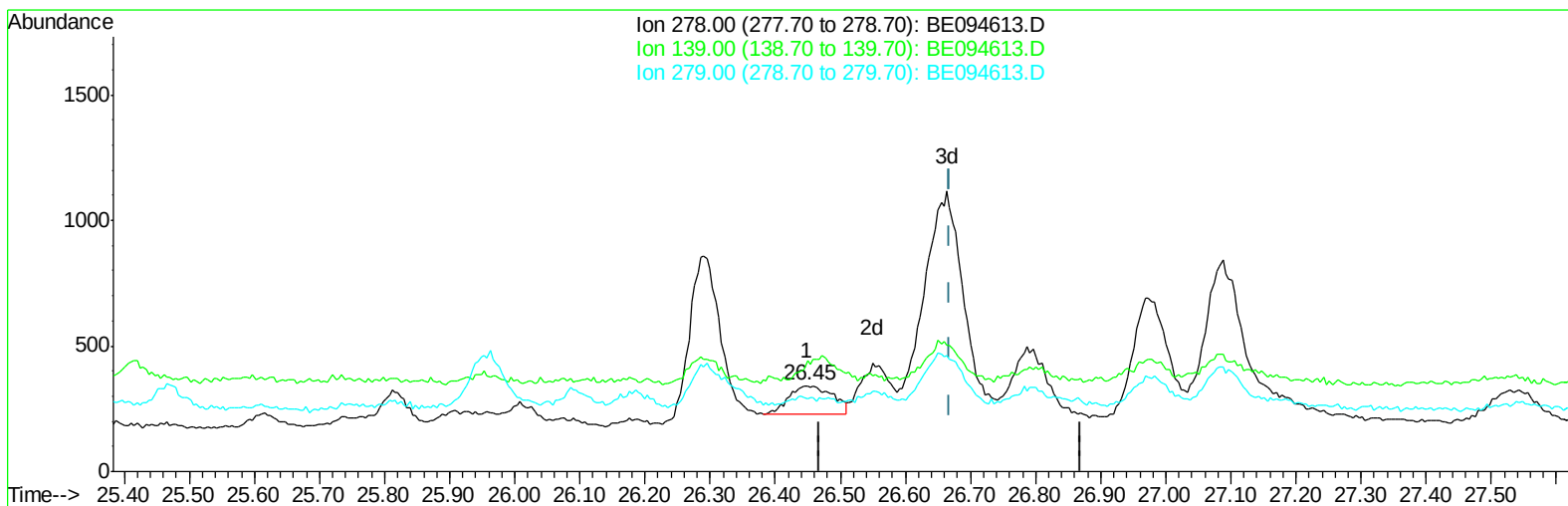
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094613.D
Acq On : 28 Oct 2017 1:35
Operator : SJ/JU
Sample : I5842-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AB4

Manual Integrations
APPROVED

Sohil
10/30/2017 6:37:17 PM

Quant Time: Oct 30 02:35:24 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: BE094613.D

(25) Dibenzo(a,h)anthracene

26.450min (-0.219) 0.03ng/ul

response 511

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	128.65#
279.00	32.40	85.09#
0.00	0.00	0.00

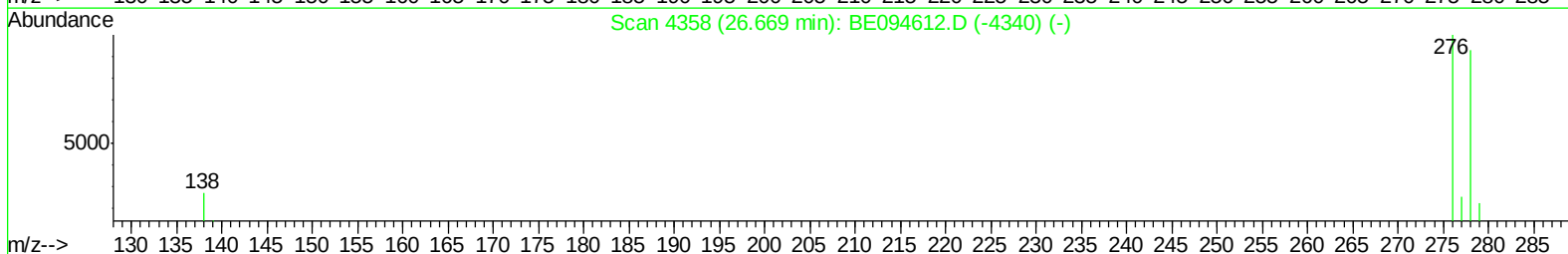
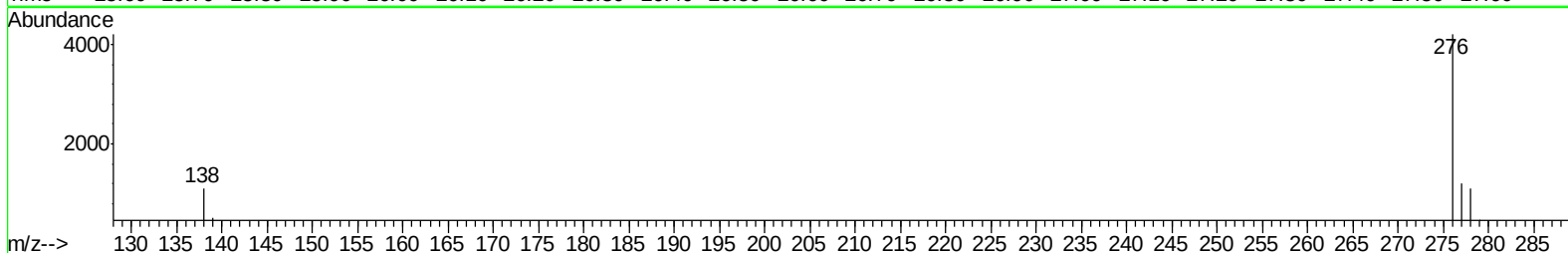
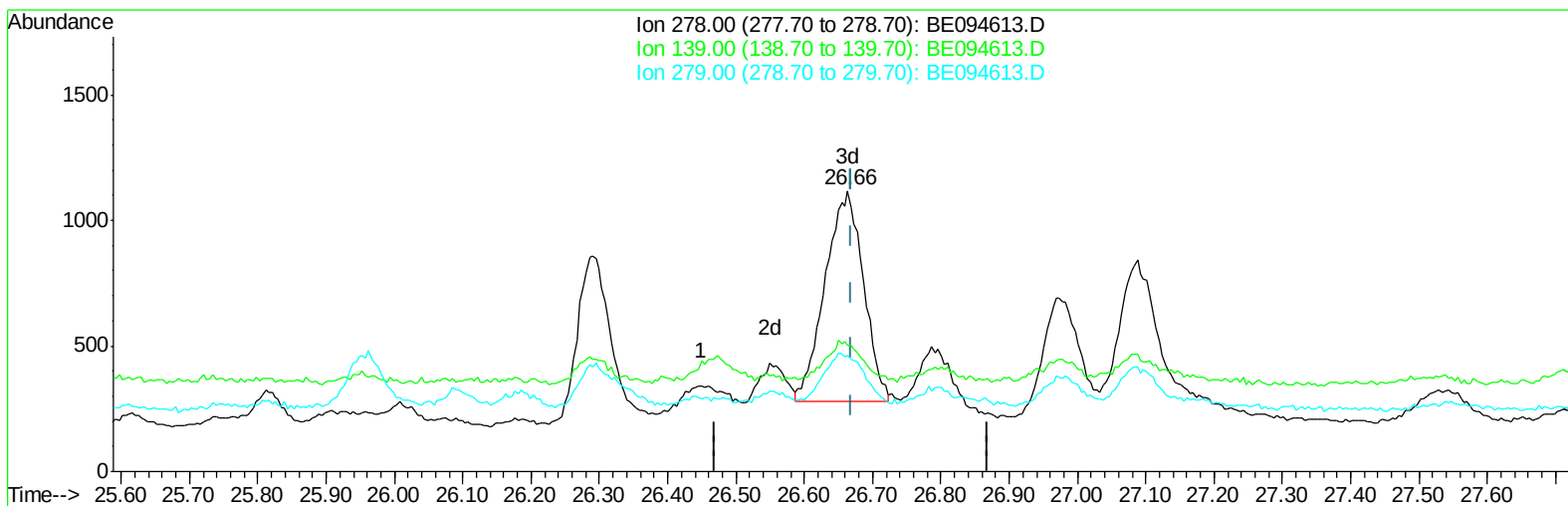
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094613.D
Acq On : 28 Oct 2017 1:35
Operator : SJ/JU
Sample : I5842-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AB4

Manual Integrations
APPROVED

Sohil
10/30/2017 6:37:17 PM

Quant Time: Oct 30 02:35:24 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
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Response via : Initial Calibration



TIC: BE094613.D

(25) Dibenzo(a,h)anthracene

26.664min (-0.005) 0.17ng/ul m

response 3264

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	44.94#
279.00	32.40	41.36#
0.00	0.00	0.00

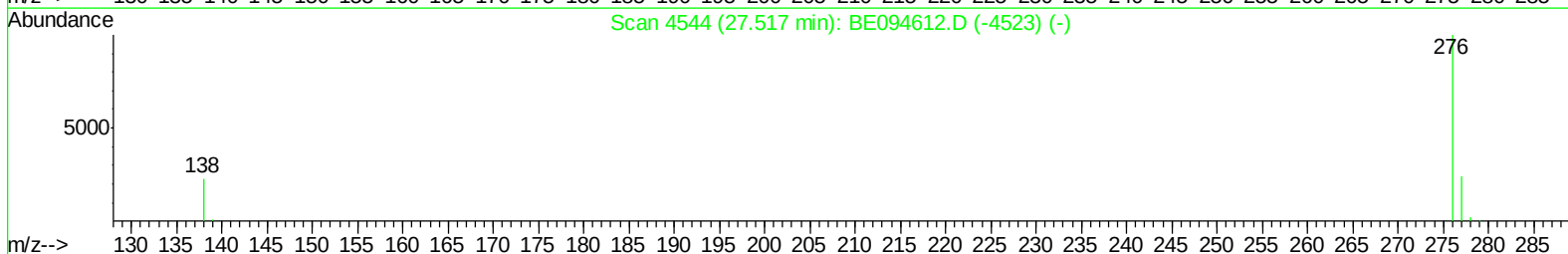
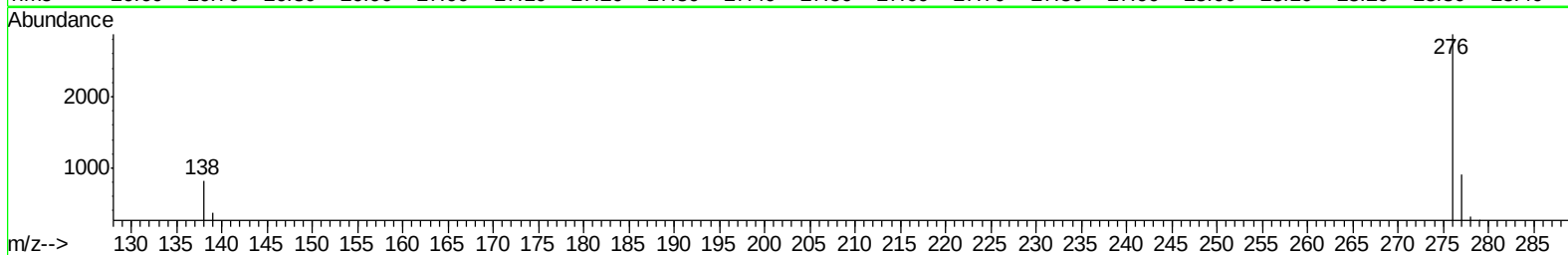
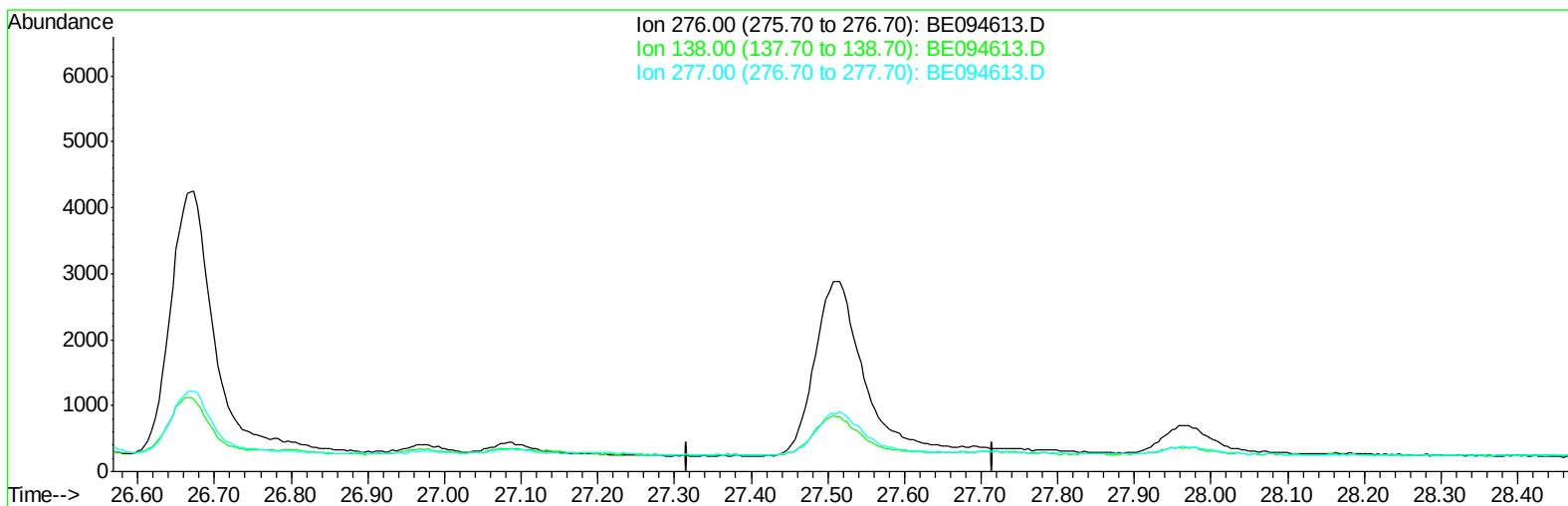
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094613.D
Acq On : 28 Oct 2017 1:35
Operator : SJ/JU
Sample : I5842-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
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Manual Integrations
APPROVED

Sohil
10/30/2017 6:37:17 PM

Quant Time: Oct 30 02:35:24 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
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TIC: BE094613.D

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

27.517min (-27.517) 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

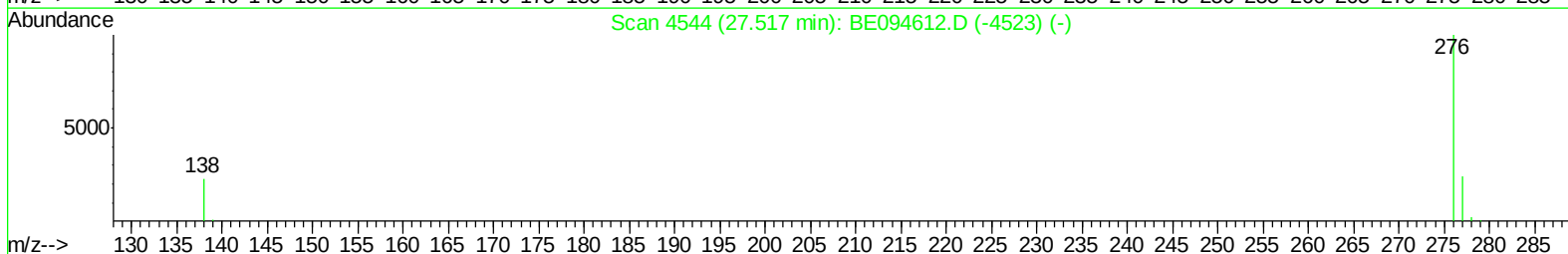
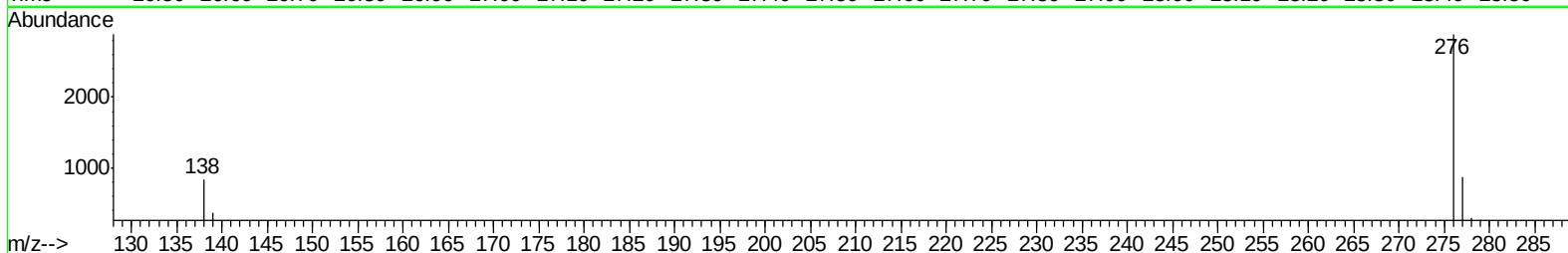
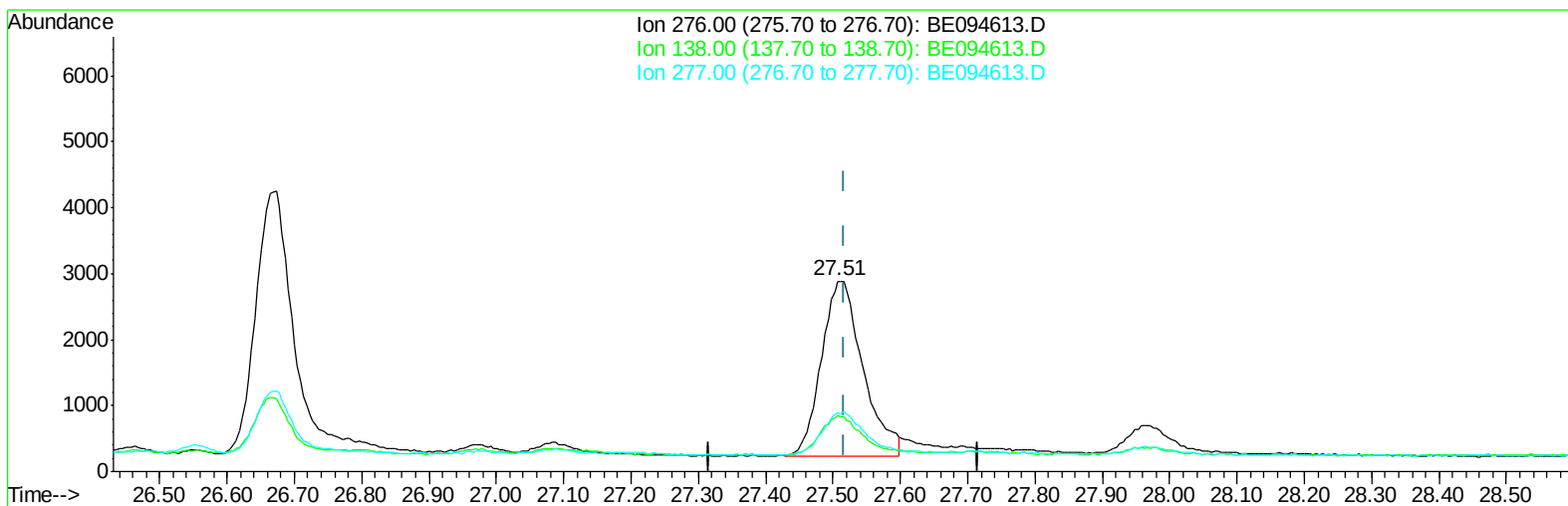
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
Data File : BE094613.D
Acq On : 28 Oct 2017 1:35
Operator : SJ/JU
Sample : I5842-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AB4

Manual Integrations
APPROVED

Sohil
10/30/2017 6:37:17 PM

Quant Time: Oct 30 02:35:24 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
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Response via : Initial Calibration



TIC: BE094613.D

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

27.507min (-0.010) 0.61ng/ul m

response 11334

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	29.32
277.00	25.60	30.53
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
 Data File : BE094613.D
 Acq On : 28 Oct 2017 1:35
 Operator : SJ/JU
 Sample : I5842-16
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AB4

Manual Integrations
 APPROVED

Sohil
 10/30/2017 6:37:17 PM

Quant Time: Oct 30 02:38:01 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 30 02:20:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1094	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	6477	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.52	164	3980	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	8636m	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	7983	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	7904m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	4186	0.40	ng/ul	-0.01
14) Fluoranthene-d10	19.28	212	10569	0.41	ng/ul	0.00
Target Compounds						
					Ovalue	
3) Naphthalene	10.74	128	820	0.05	ng/ul#	81
5) 2-Methylnaphthalene	12.35	142	663	0.06	ng/ul	99
8) Acenaphthene	14.58	153	656	0.05	ng/ul	96
9) Fluorene	15.57	166	599	0.04	ng/ul#	94
12) Phenanthrene	17.29	178	18192	0.80	ng/ul#	89
13) Anthracene	17.38	178	2907	0.13	ng/ul#	94
15) Fluoranthene	19.31	202	54141	2.05	ng/ul	84
17) Pyrene	19.67	202	48393	1.96	ng/ul#	80
18) Benzo(a)anthracene	21.41	228	20743	0.91	ng/ul#	88
19) Chrysene	21.46	228	27915	1.18	ng/ul	98
21) Benzo(b)fluoranthene	23.18	252	37590	1.69	ng/ul	88
22) Benzo(k)fluoranthene	23.23	252	15612m	0.66	ng/ul	
23) Benzo(a)pyrene	23.85	252	22745m	1.02	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.67	276	15476m	0.67	ng/ul	
25) Dibenzo(a,h)anthracene	26.66	278	3264m	0.17	ng/ul	
26) Benzo(a,h,i)perylene	27.51	276	11334m	0.61	ng/ul	

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

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