

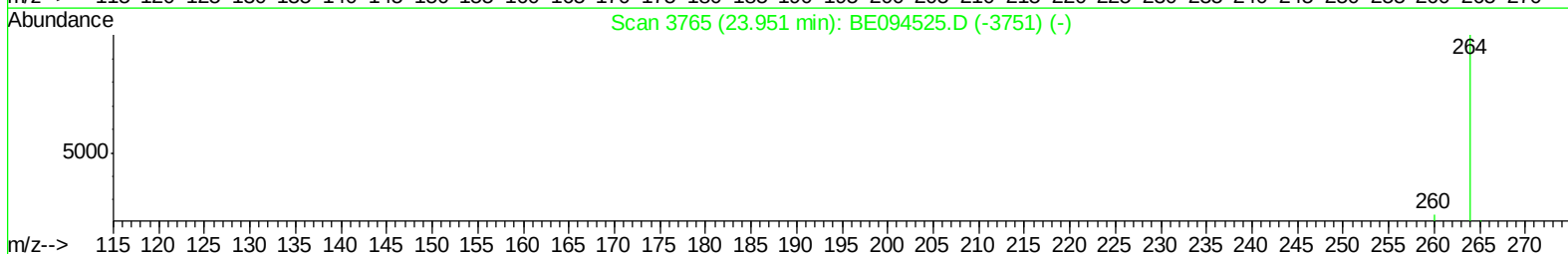
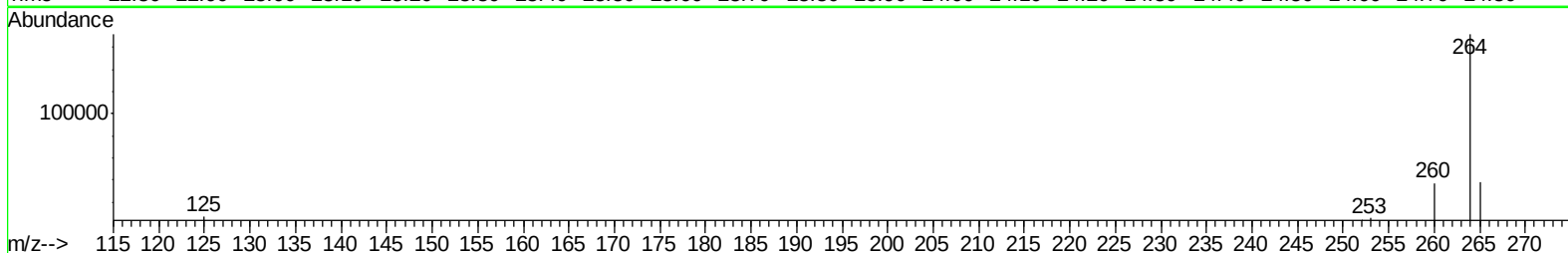
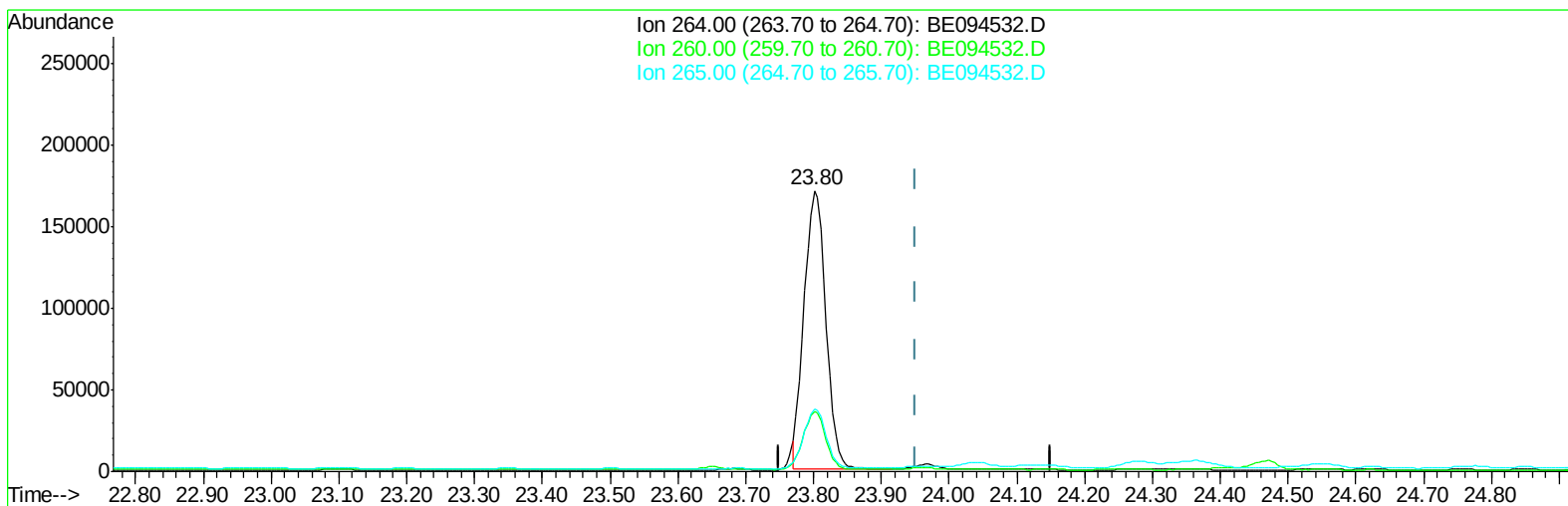
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094532.D
Acq On : 25 Oct 2017 14:22
Operator : SJ/JU
Sample : I5693-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(3.5-4.5)-100417

Manual Integrations
APPROVED

Sohil
10/27/2017 8:28:38 AM

Quant Time: Oct 25 18:43:51 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 25 18:44:03 2017
Response via : Initial Calibration



TIC: BE094532.D

(20) Perylene-d12 (I)

23.801min (-0.149) 0.40ng/ul

response 380201

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.52#
265.00	103.50	22.22#
0.00	0.00	0.00

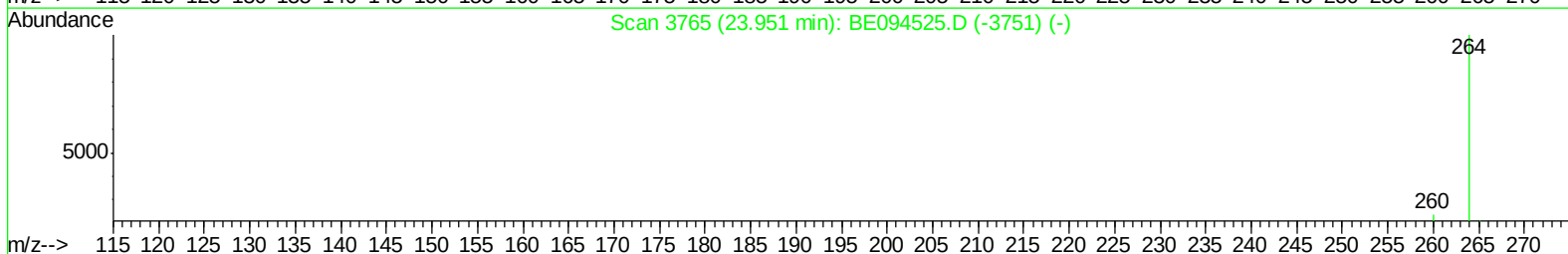
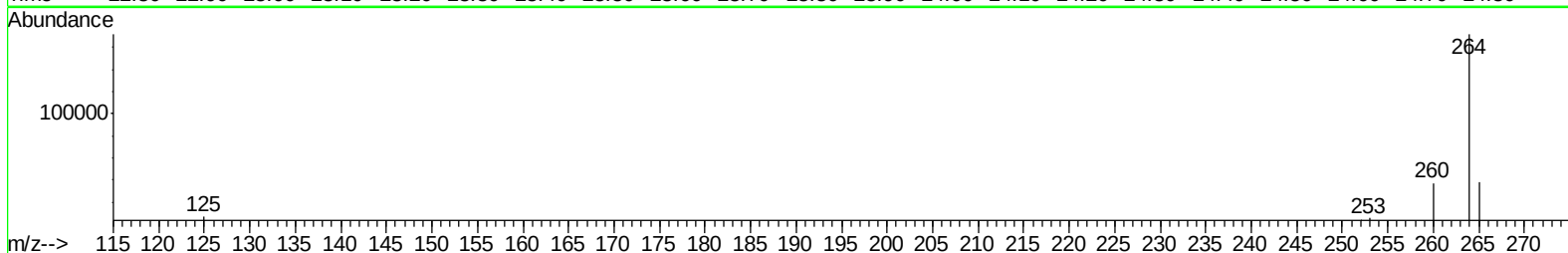
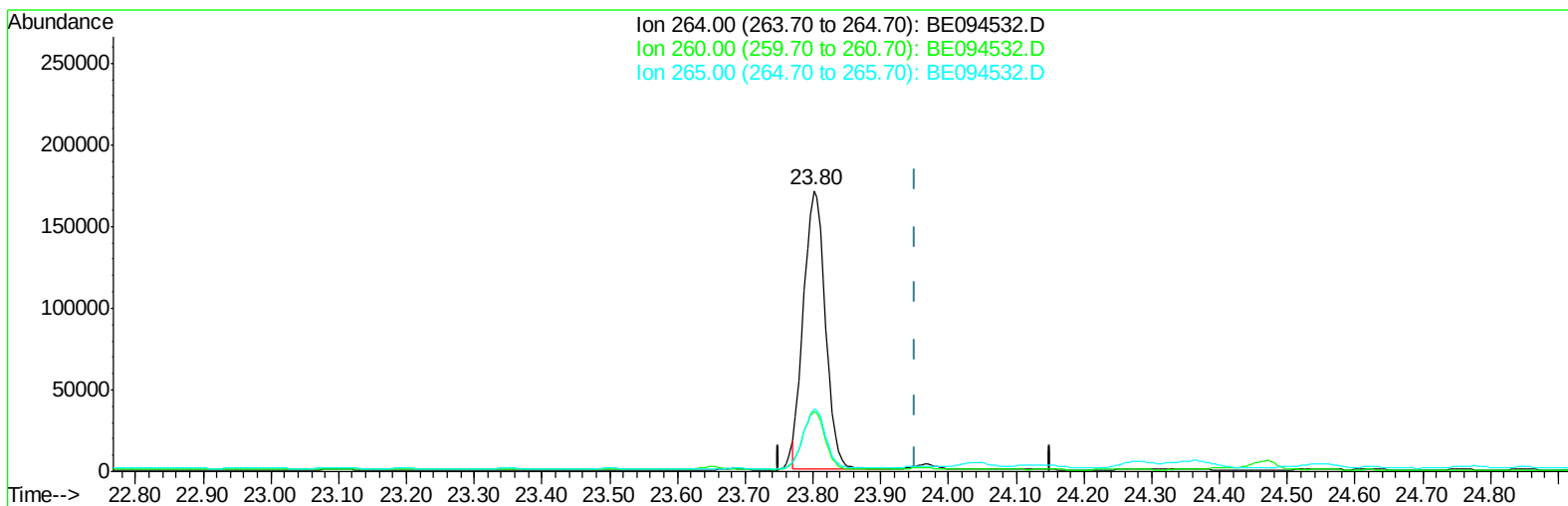
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094532.D
Acq On : 25 Oct 2017 14:22
Operator : SJ/JU
Sample : I5693-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(3.5-4.5)-100417

Manual Integrations
APPROVED

Sohil
10/27/2017 8:28:38 AM

Quant Time: Oct 25 18:43:51 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 25 18:44:03 2017
Response via : Initial Calibration



TIC: BE094532.D

(20) Perylene-d12 (I)

23.801min (-0.149) 0.40ng/ul

response 380201

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.52#
265.00	103.50	22.22#
0.00	0.00	0.00

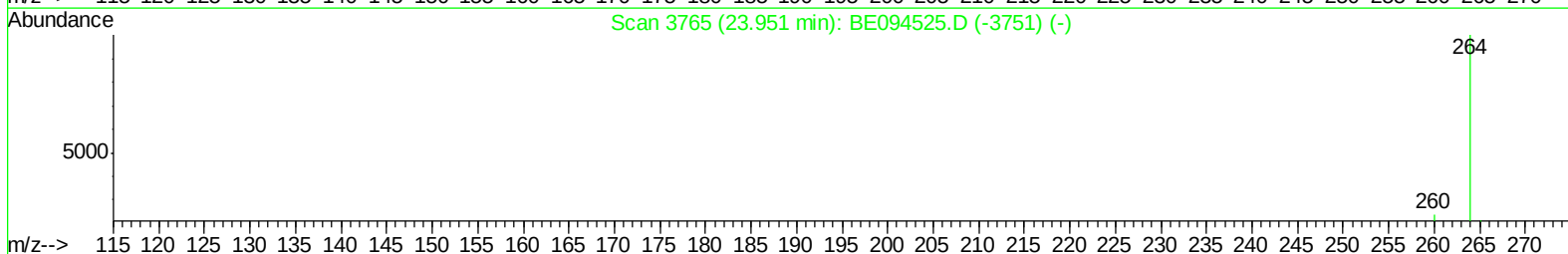
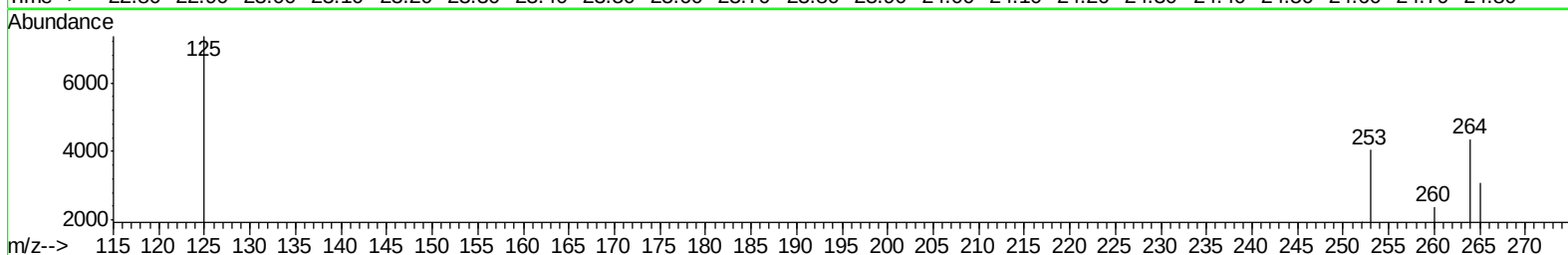
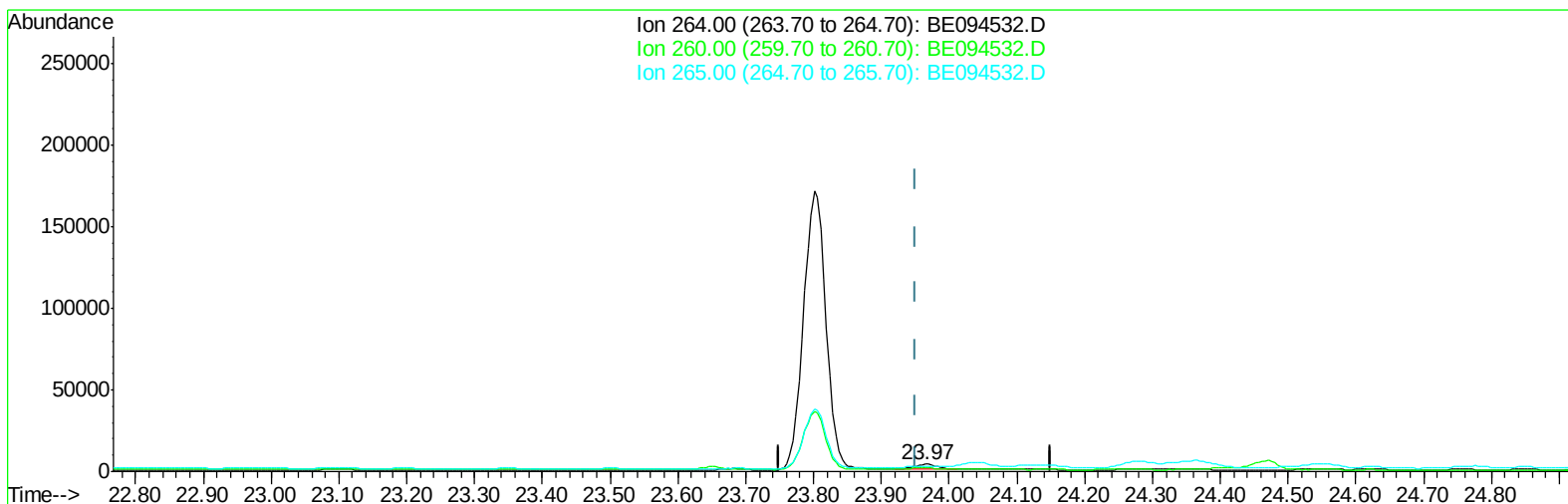
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094532.D
Acq On : 25 Oct 2017 14:22
Operator : SJ/JU
Sample : I5693-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(3.5-4.5)-100417

Manual Integrations
APPROVED

Sohil
10/27/2017 8:28:38 AM

Quant Time: Oct 25 18:43:51 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 25 18:44:03 2017
Response via : Initial Calibration



TIC: BE094532.D

(20) Perylene-d12 (I)

23.965min (+0.015) 0.40ng/ul m

response 7182

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	54.68#
265.00	103.50	70.45#
0.00	0.00	0.00

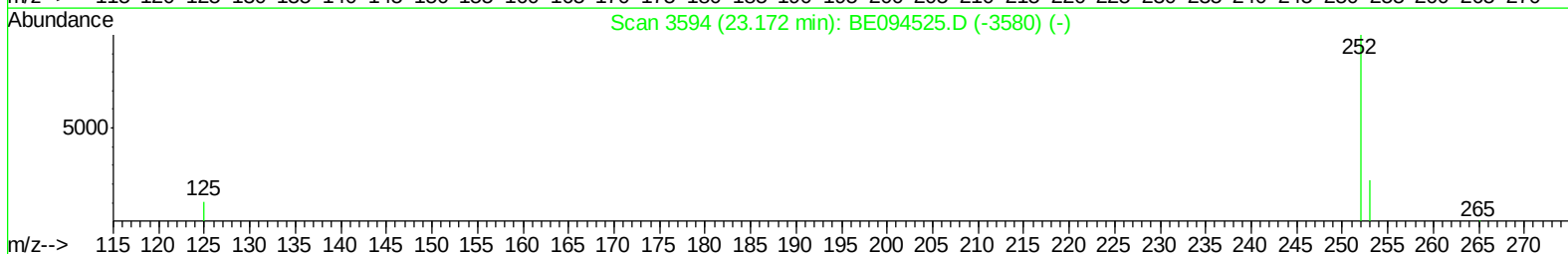
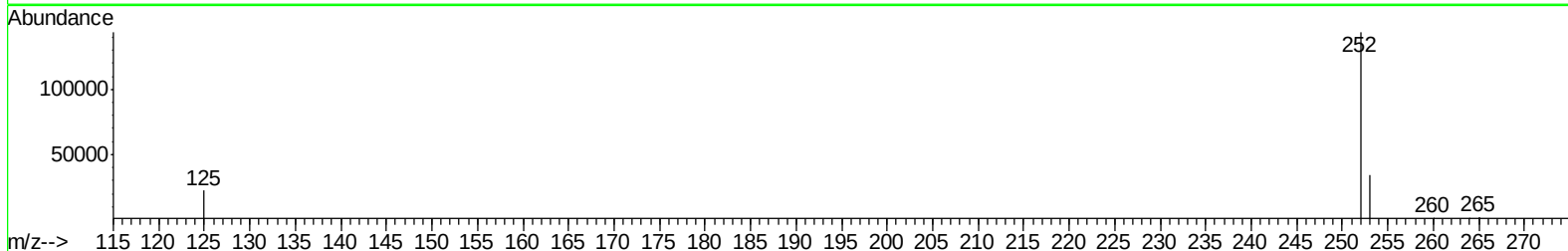
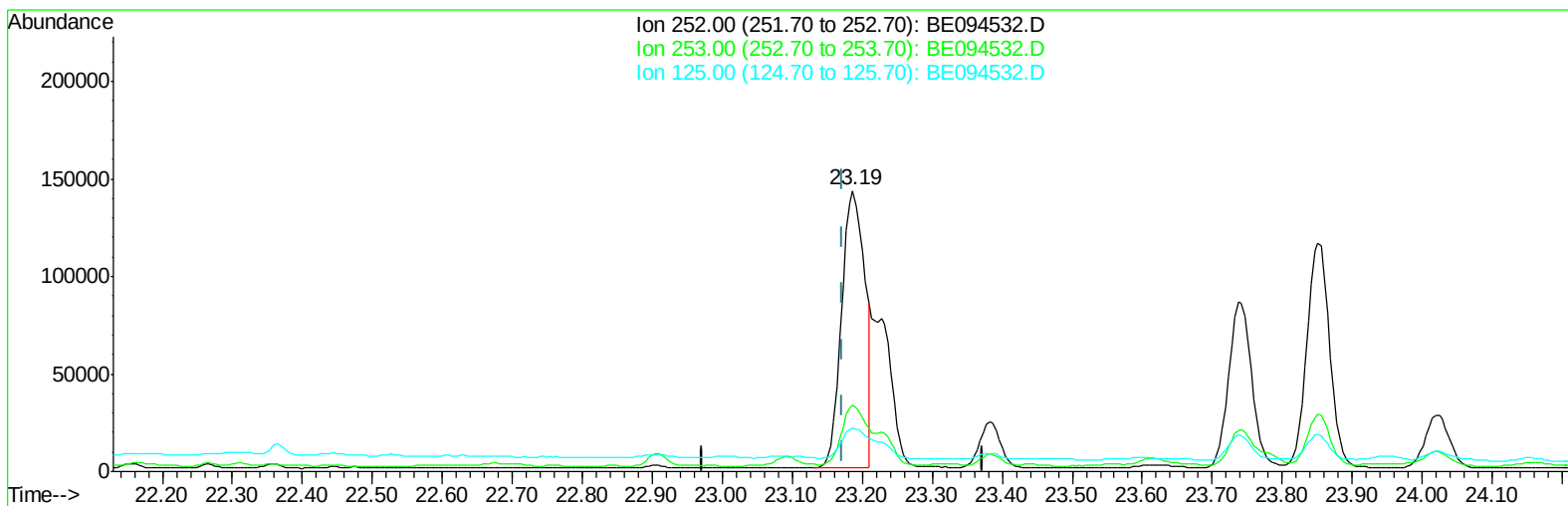
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094532.D
Acq On : 25 Oct 2017 14:22
Operator : SJ/JU
Sample : I5693-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(3.5-4.5)-100417

Manual Integrations
APPROVED

Sohil
10/27/2017 8:28:38 AM

Quant Time: Oct 25 18:46:24 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 25 18:44:03 2017
Response via : Initial Calibration



TIC: BE094532.D

(21) Benzo(b)fluoranthene

23.186min (+0.015) 16.14ng/ul

response 326104

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.80
125.00	17.50	15.52
0.00	0.00	0.00

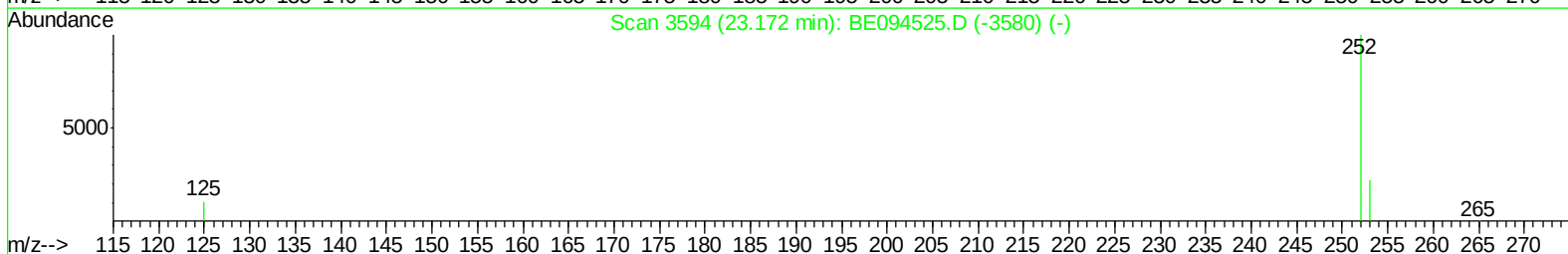
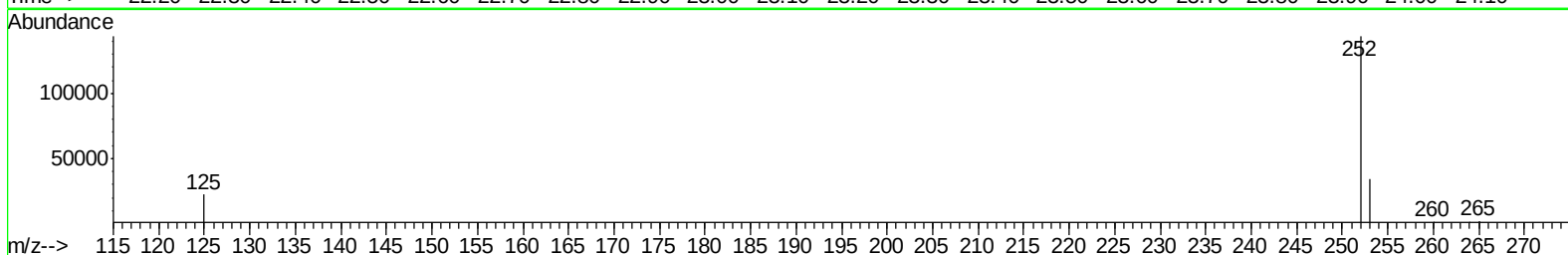
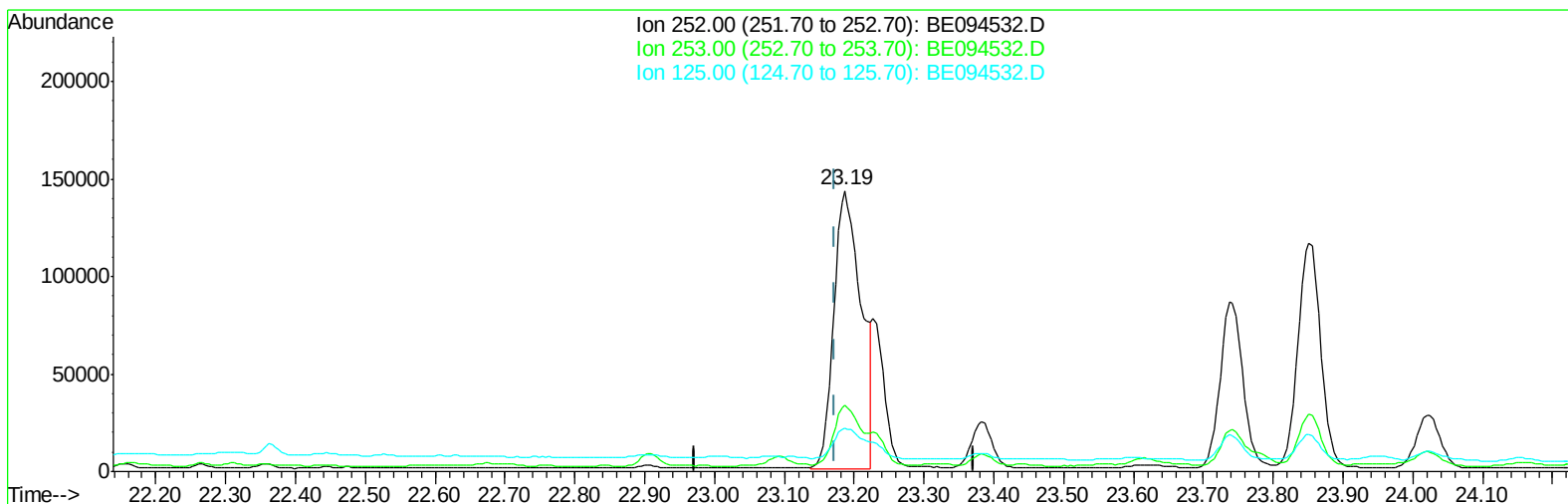
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094532.D
Acq On : 25 Oct 2017 14:22
Operator : SJ/JU
Sample : I5693-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(3.5-4.5)-100417

Manual Integrations
APPROVED

Sohil
10/27/2017 8:28:38 AM

Quant Time: Oct 25 18:46:24 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 25 18:44:03 2017
Response via : Initial Calibration



TIC: BE094532.D

(21) Benzo(b)fluoranthene

23.186min (+0.015) 19.27ng/ul m

response 389266

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.80
125.00	17.50	15.52
0.00	0.00	0.00

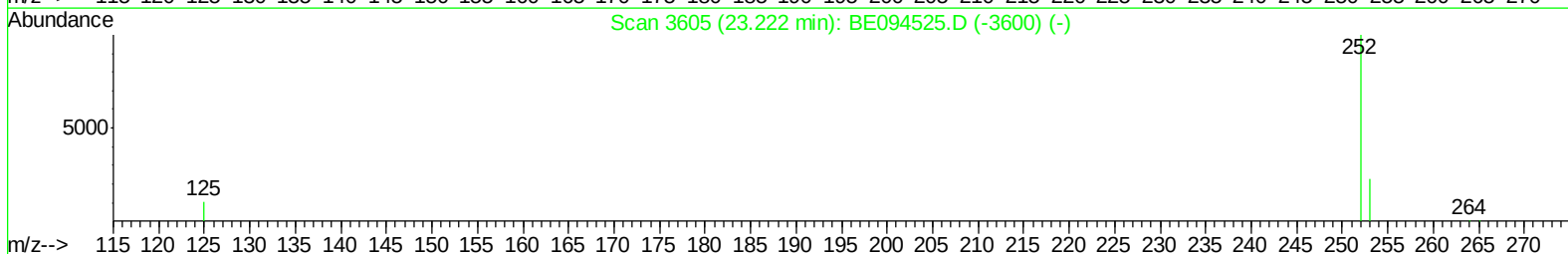
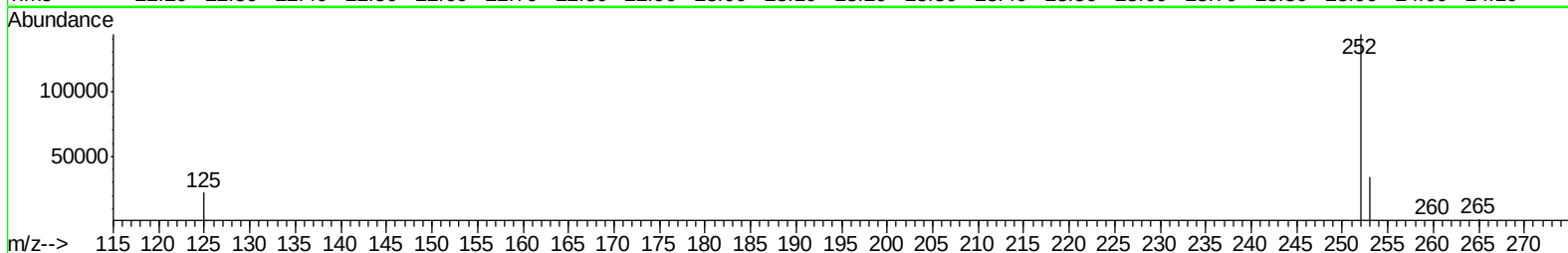
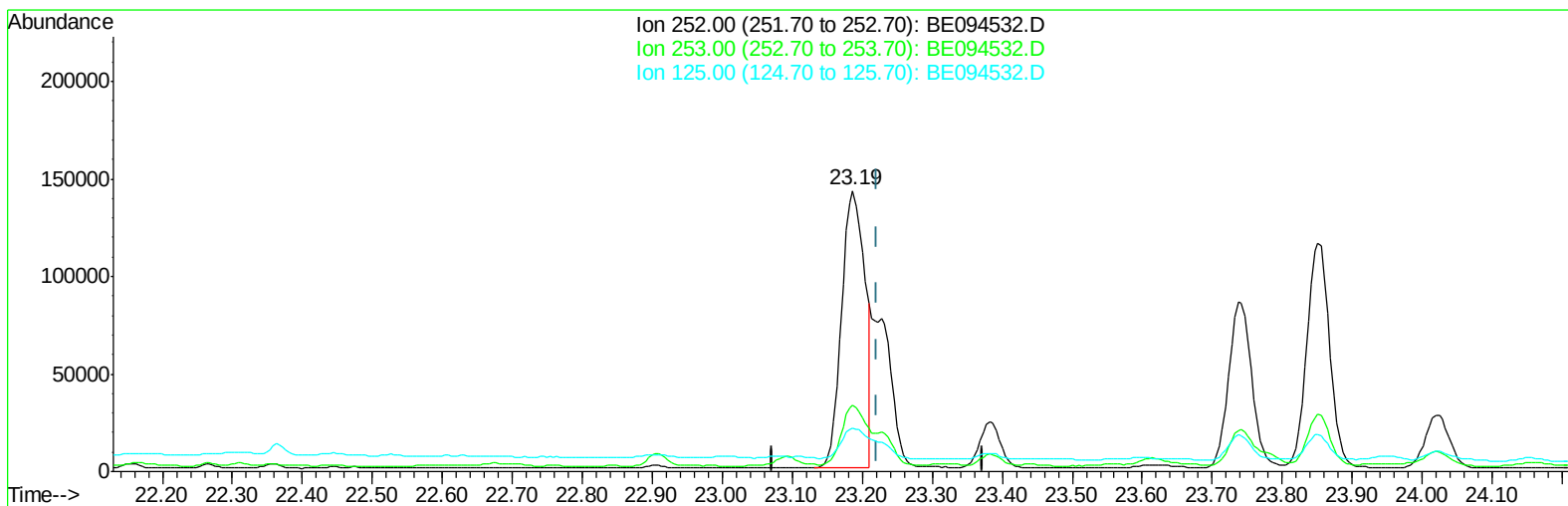
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094532.D
Acq On : 25 Oct 2017 14:22
Operator : SJ/JU
Sample : I5693-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(3.5-4.5)-100417

Manual Integrations
APPROVED

Sohil
10/27/2017 8:28:38 AM

Quant Time: Oct 25 18:46:24 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 25 18:44:03 2017
Response via : Initial Calibration



TIC: BE094532.D

(22) Benzo(k)fluoranthene

23.186min (-0.036) 15.06ng/ul

response 326104

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.80#
125.00	17.10	15.52
0.00	0.00	0.00

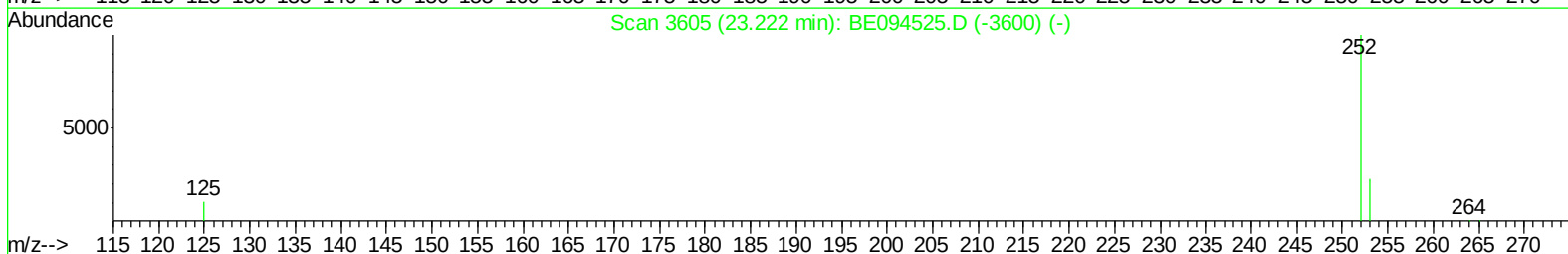
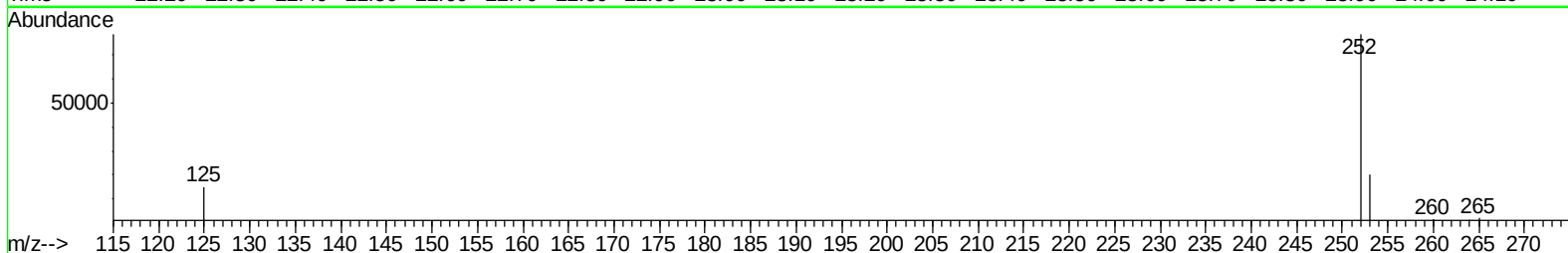
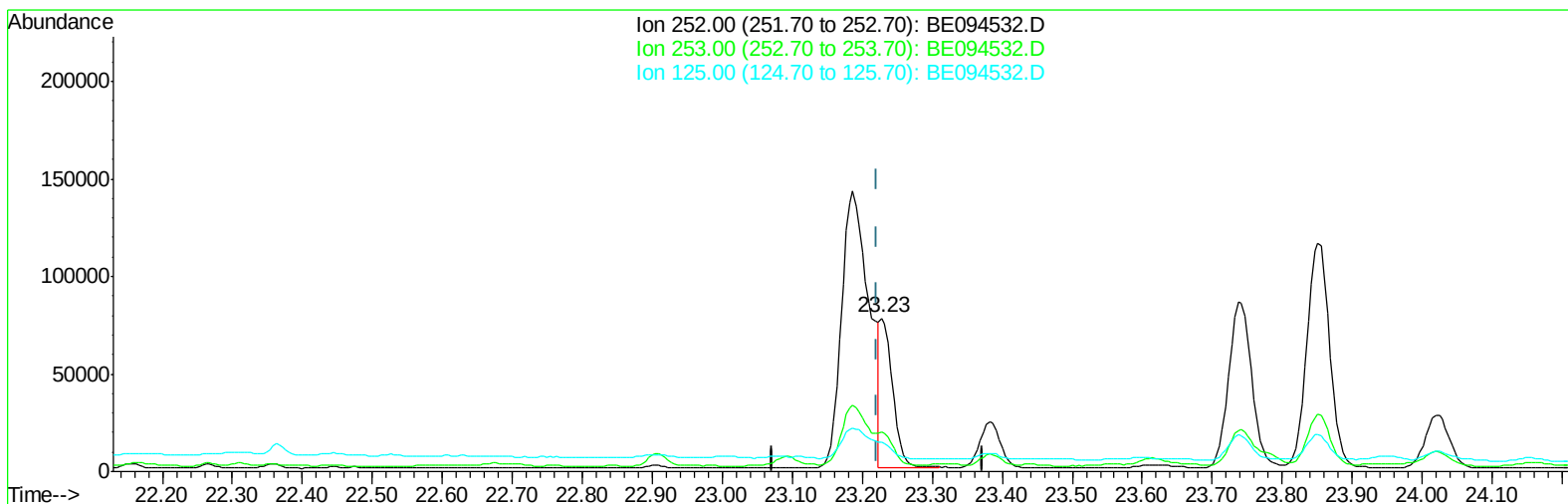
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094532.D
Acq On : 25 Oct 2017 14:22
Operator : SJ/JU
Sample : I5693-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(3.5-4.5)-100417

Manual Integrations
APPROVED

Sohil
10/27/2017 8:28:38 AM

Quant Time: Oct 25 18:46:24 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
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QLast Update : Wed Oct 25 18:44:03 2017
Response via : Initial Calibration



TIC: BE094532.D

(22) Benzo(k)fluoranthene

23.227min (+0.005) 4.34ng/ul m

response 93853

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	25.51
125.00	17.10	19.04
0.00	0.00	0.00

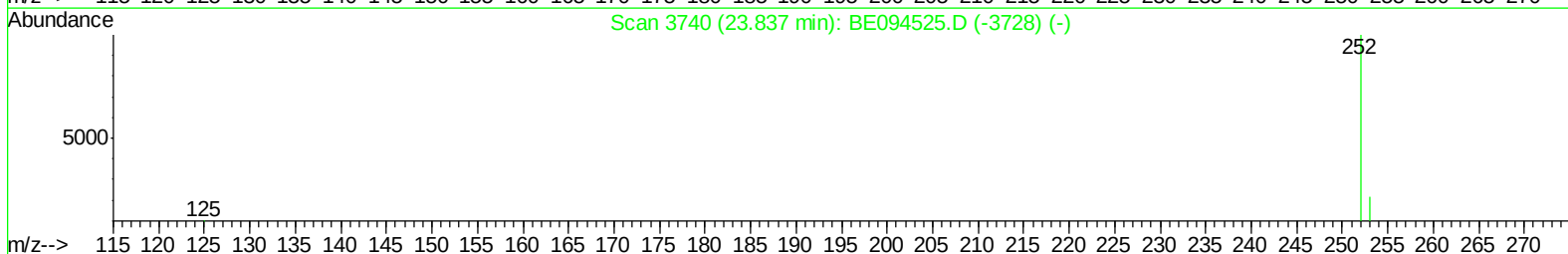
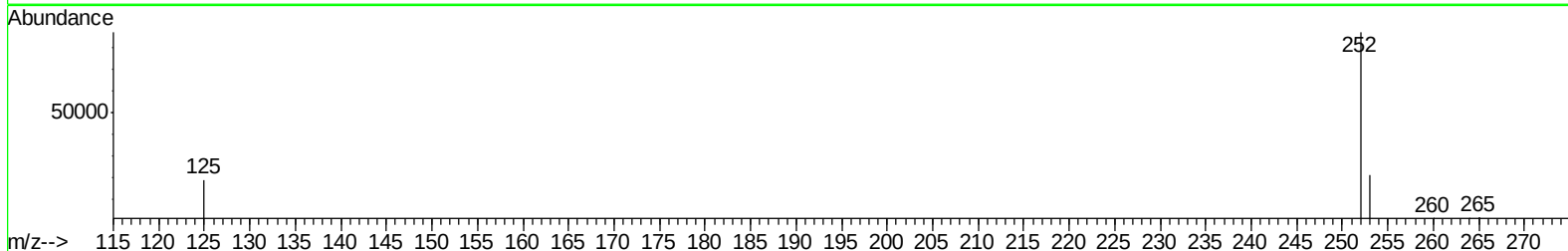
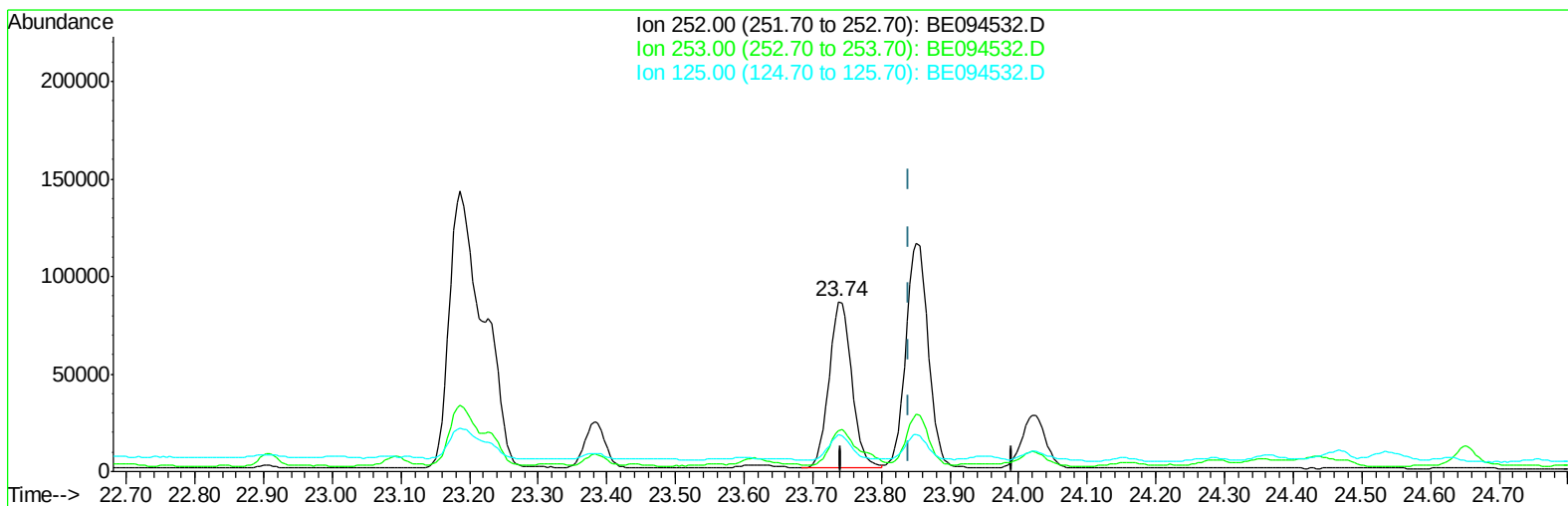
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094532.D
Acq On : 25 Oct 2017 14:22
Operator : SJ/JU
Sample : I5693-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(3.5-4.5)-100417

Manual Integrations
APPROVED

Sohil
10/27/2017 8:28:38 AM

Quant Time: Oct 25 18:46:24 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 25 18:44:03 2017
Response via : Initial Calibration



TIC: BE094532.D

(23) Benzo(a)pyrene (C)

23.737min (-0.104) 9.77ng/ul

response 197243

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	24.22#
125.00	22.60	21.64
0.00	0.00	0.00

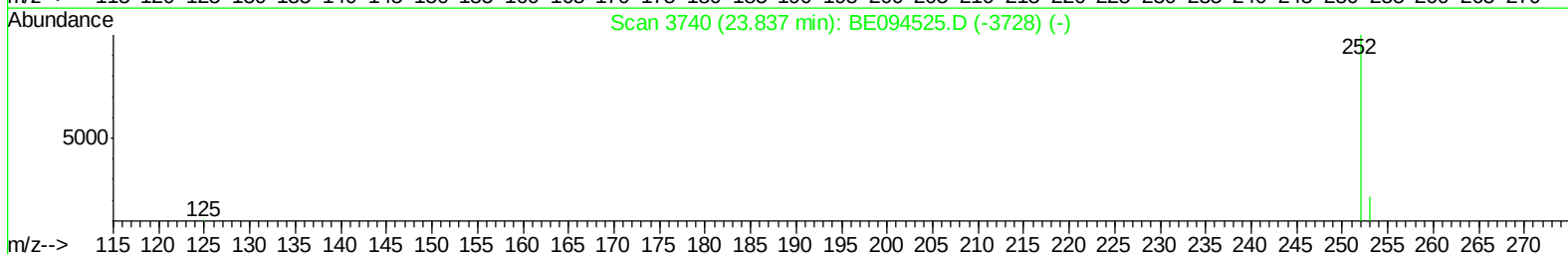
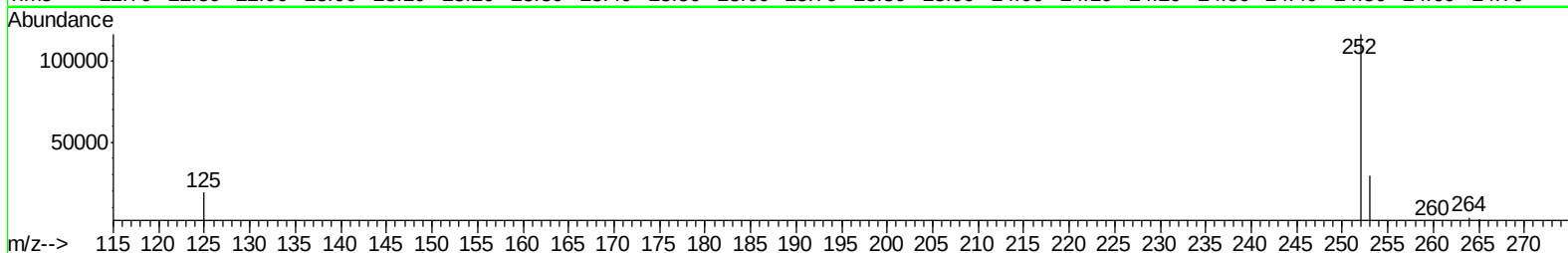
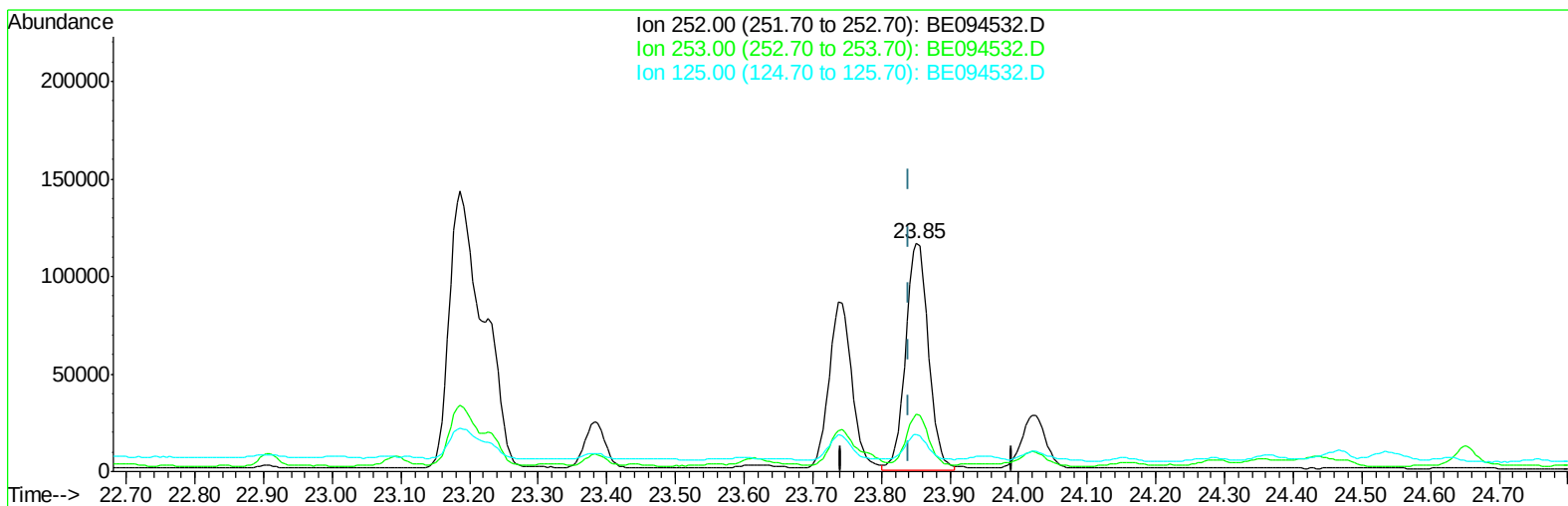
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094532.D
Acq On : 25 Oct 2017 14:22
Operator : SJ/JU
Sample : I5693-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(3.5-4.5)-100417

Manual Integrations
APPROVED

Sohil
10/27/2017 8:28:38 AM

Quant Time: Oct 25 18:46:24 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 25 18:44:03 2017
Response via : Initial Calibration



TIC: BE094532.D

(23) Benzo(a)pyrene (C)

23.851min (+0.010) 13.23ng/ul m

response 267259

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	25.09#
125.00	22.60	16.03#
0.00	0.00	0.00

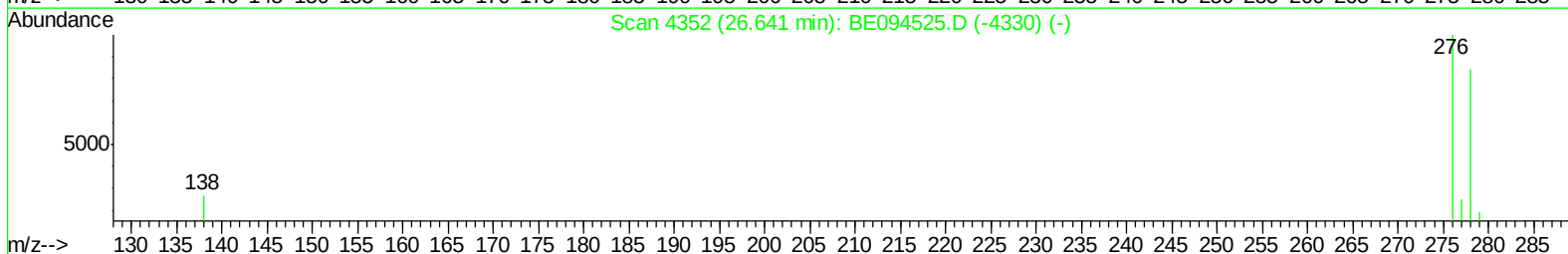
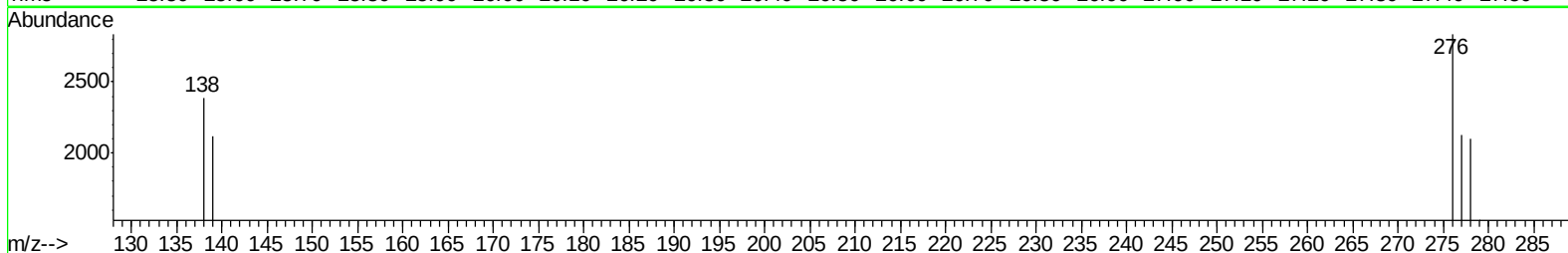
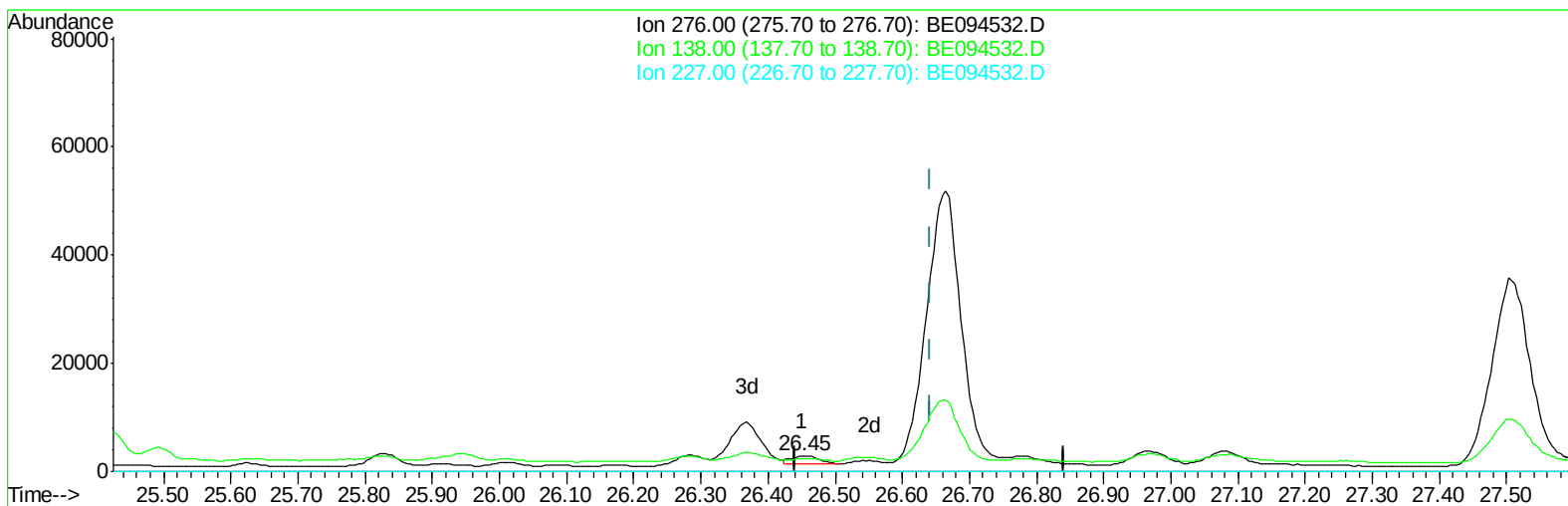
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094532.D
Acq On : 25 Oct 2017 14:22
Operator : SJ/JU
Sample : I5693-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(3.5-4.5)-100417

Manual Integrations
APPROVED

Sohil
10/27/2017 8:28:38 AM

Quant Time: Oct 25 18:46:24 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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TIC: BE094532.D

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

26.450min (-0.192) 0.19ng/ul

response 3999

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	27.88#
227.00	10.00	0.00#
0.00	0.00	0.00

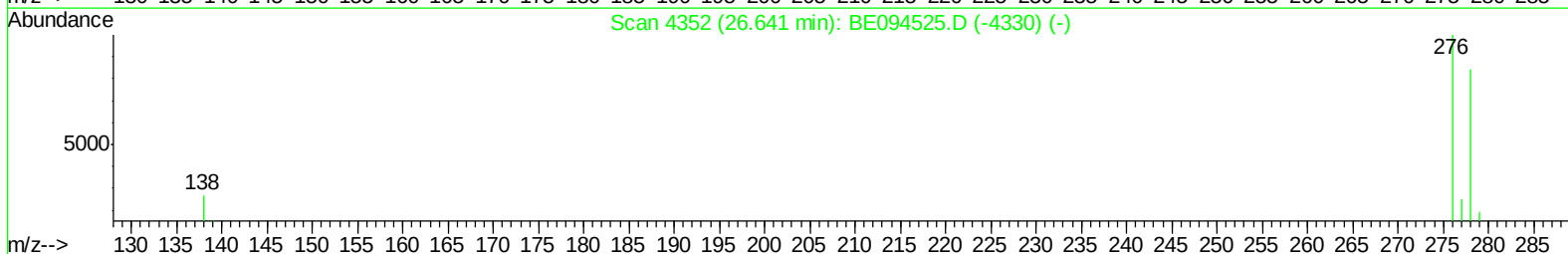
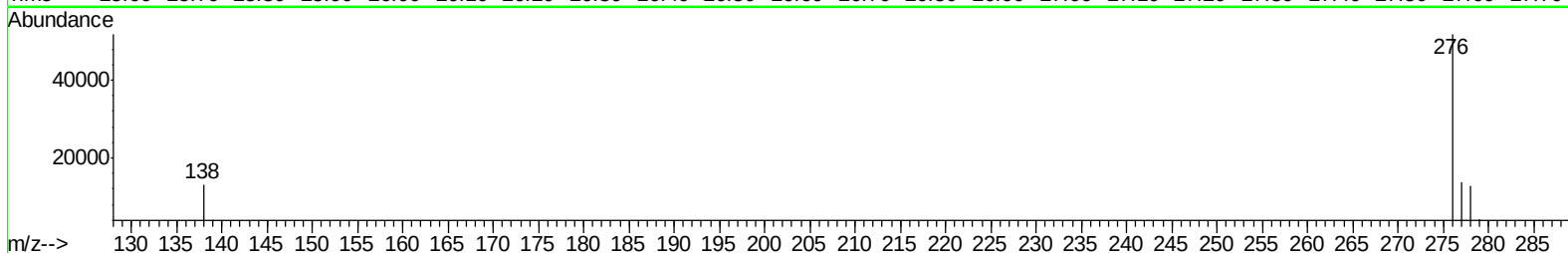
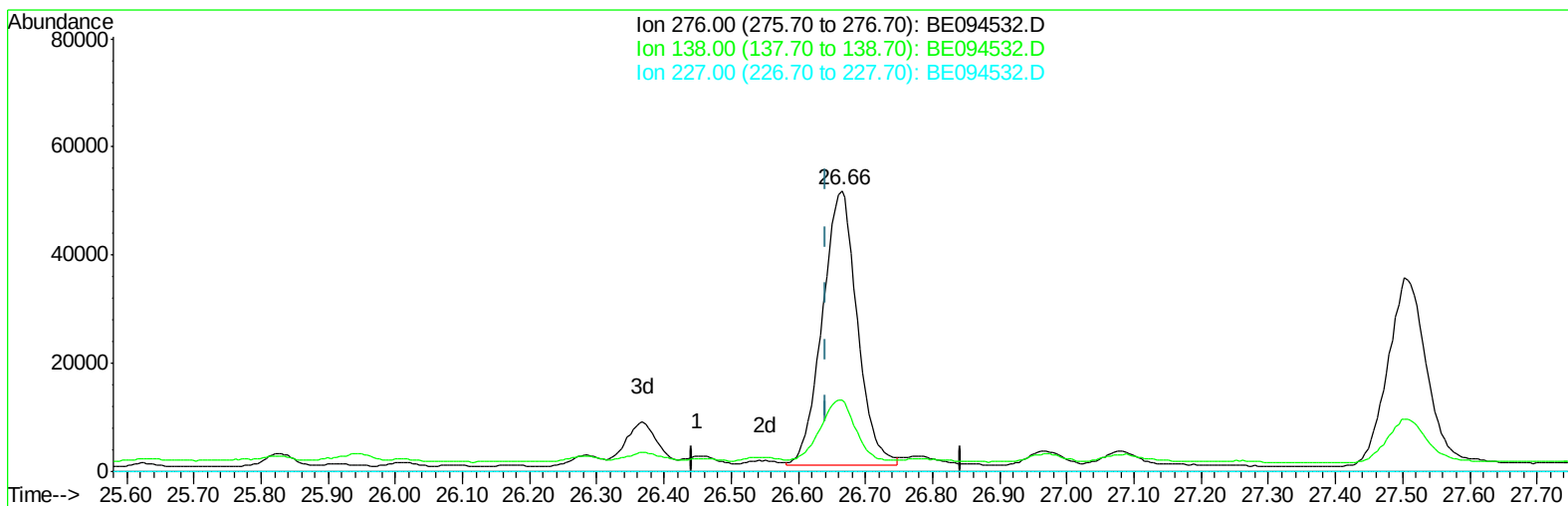
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Data File : BE094532.D
Acq On : 25 Oct 2017 14:22
Operator : SJ/JU
Sample : I5693-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(3.5-4.5)-100417

Manual Integrations
APPROVED

Sohil
10/27/2017 8:28:38 AM

Quant Time: Oct 25 18:46:24 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 25 18:44:03 2017
Response via : Initial Calibration



TIC: BE094532.D

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

26.664min (+0.022) 8.72ng/ul m

response 182204

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	0.61#
227.00	10.00	0.00#
0.00	0.00	0.00

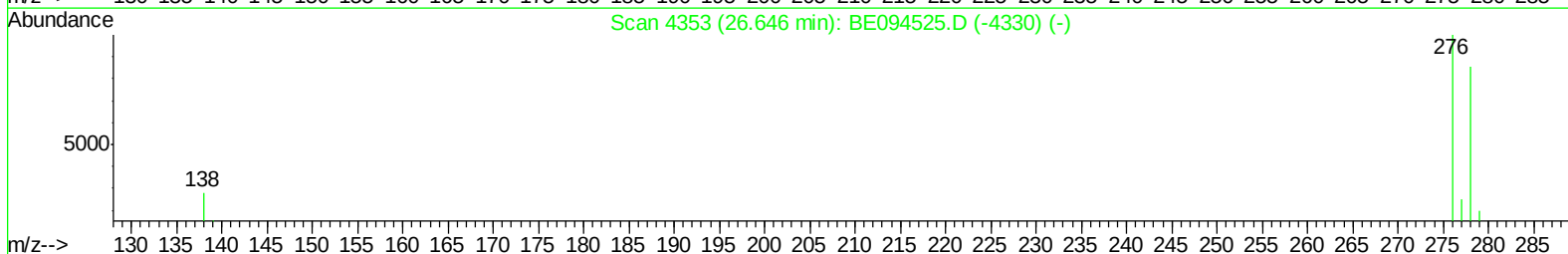
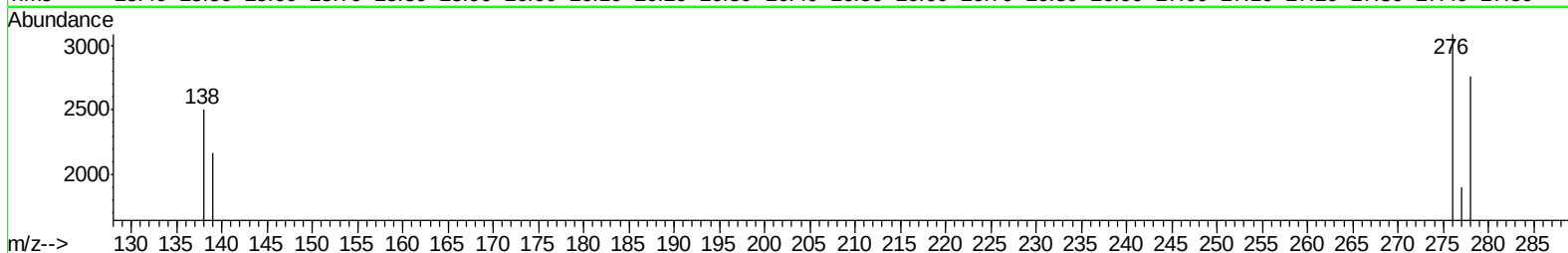
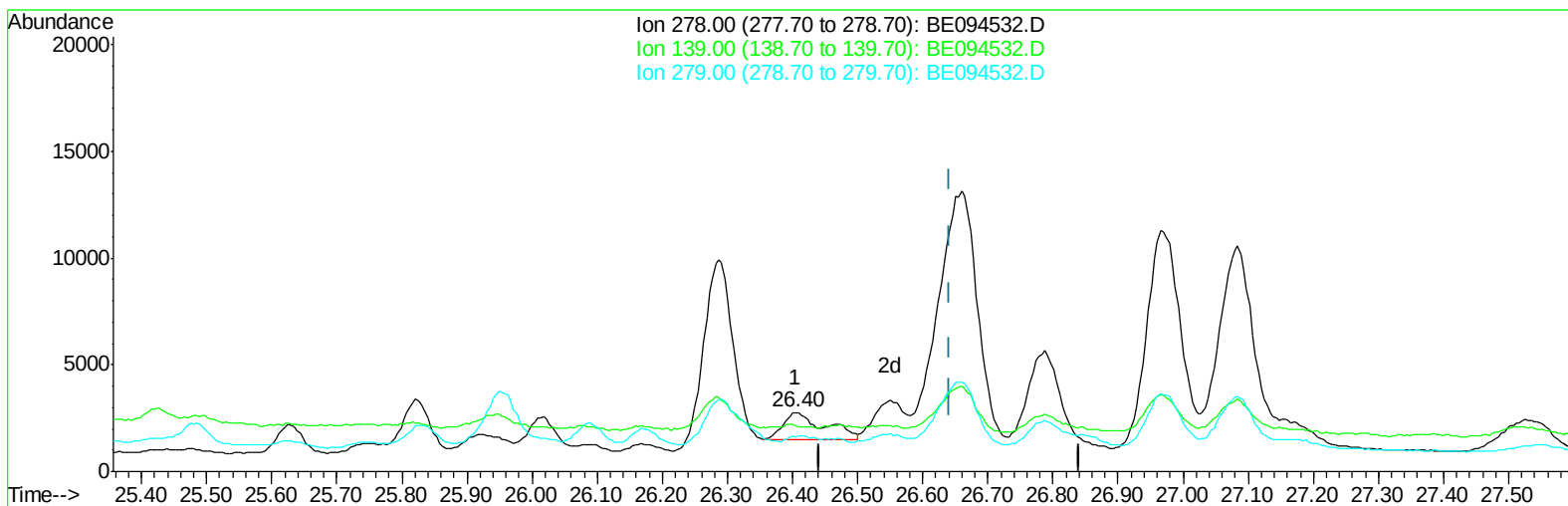
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094532.D
Acq On : 25 Oct 2017 14:22
Operator : SJ/JU
Sample : I5693-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(3.5-4.5)-100417

Manual Integrations
APPROVED

Sohil
10/27/2017 8:28:38 AM

Quant Time: Oct 25 18:46:24 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: BE094532.D

(25) Dibenzo(a,h)anthracene

26.405min (-0.237) 0.31ng/ul

response 5418

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	78.53#
279.00	32.40	59.59#
0.00	0.00	0.00

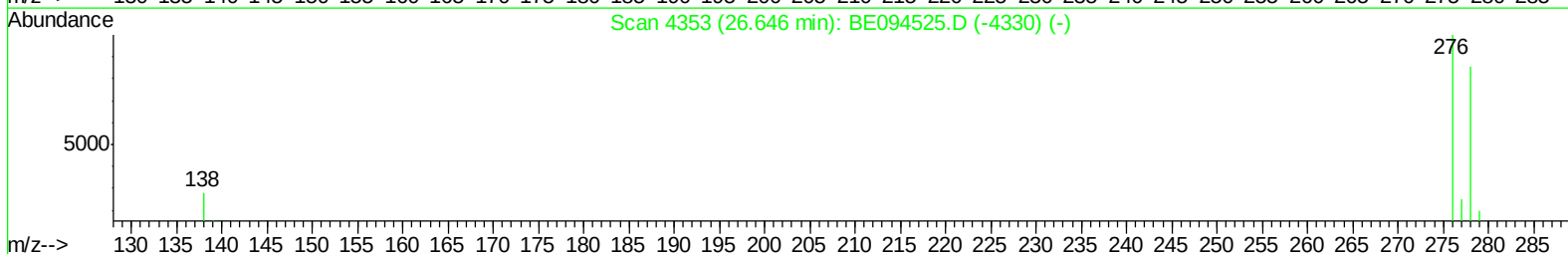
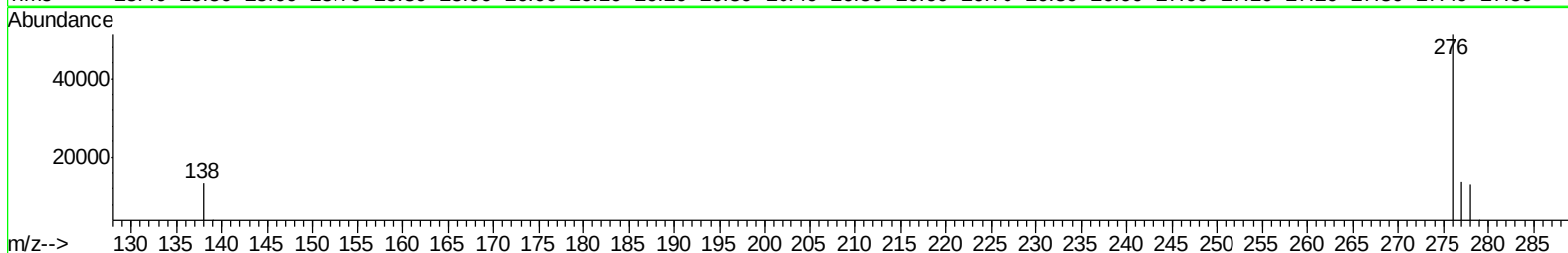
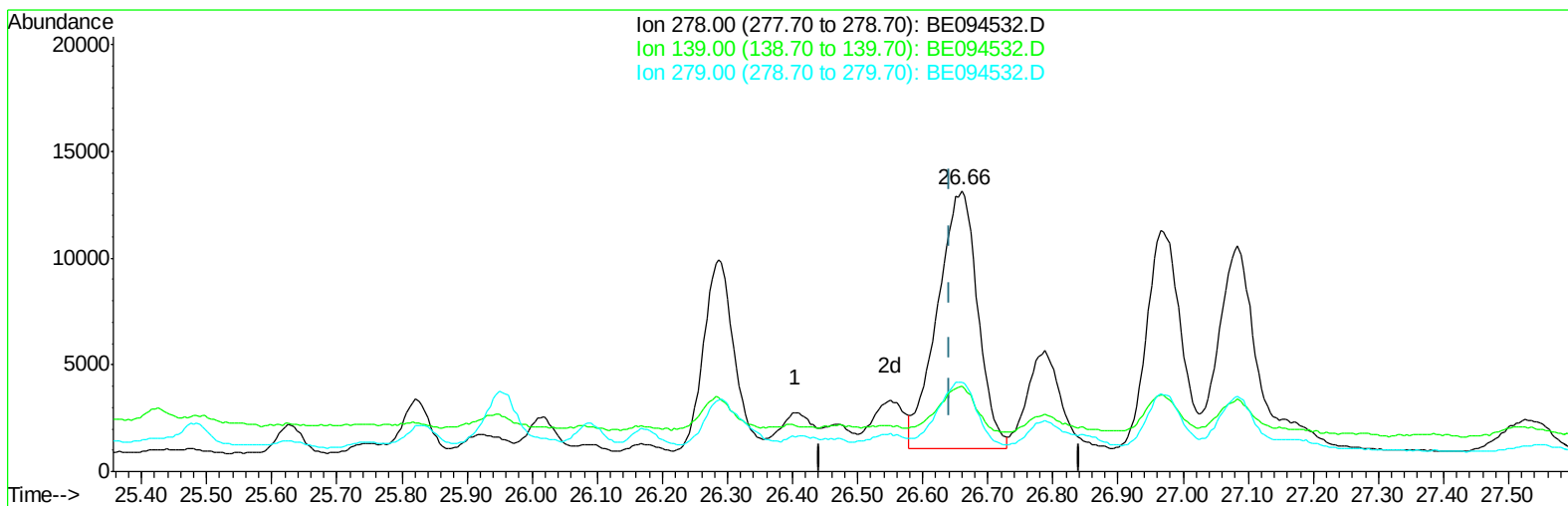
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094532.D
Acq On : 25 Oct 2017 14:22
Operator : SJ/JU
Sample : I5693-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(3.5-4.5)-100417

Manual Integrations
APPROVED

Sohil
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Quant Time: Oct 25 18:46:24 2017
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TIC: BE094532.D

(25) Dibenzo(a,h)anthracene

26.660min (+0.018) 2.97ng/ul m

response 52293

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	30.52#
279.00	32.40	31.79
0.00	0.00	0.00

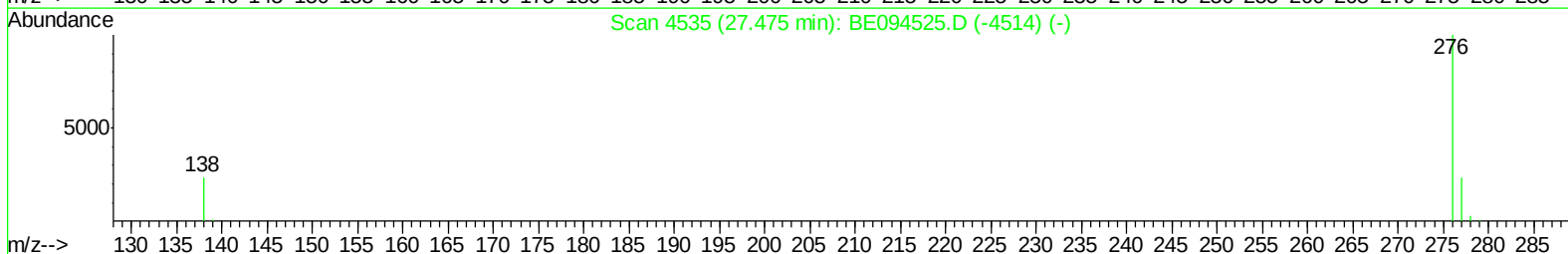
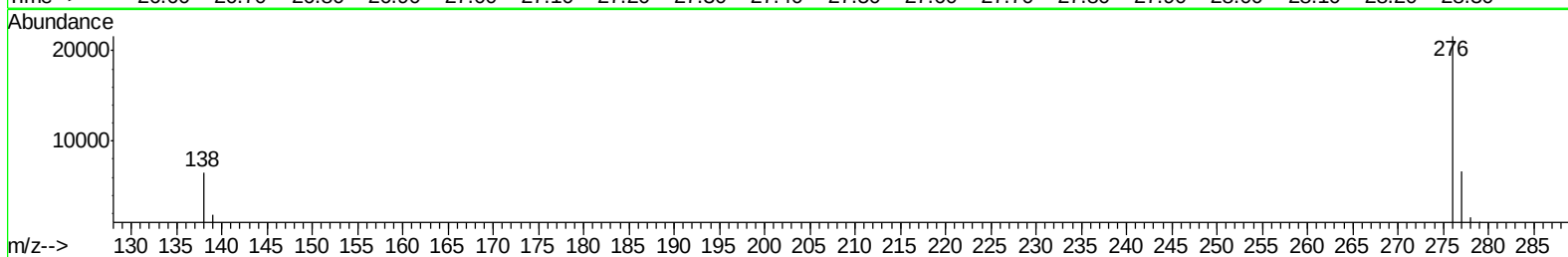
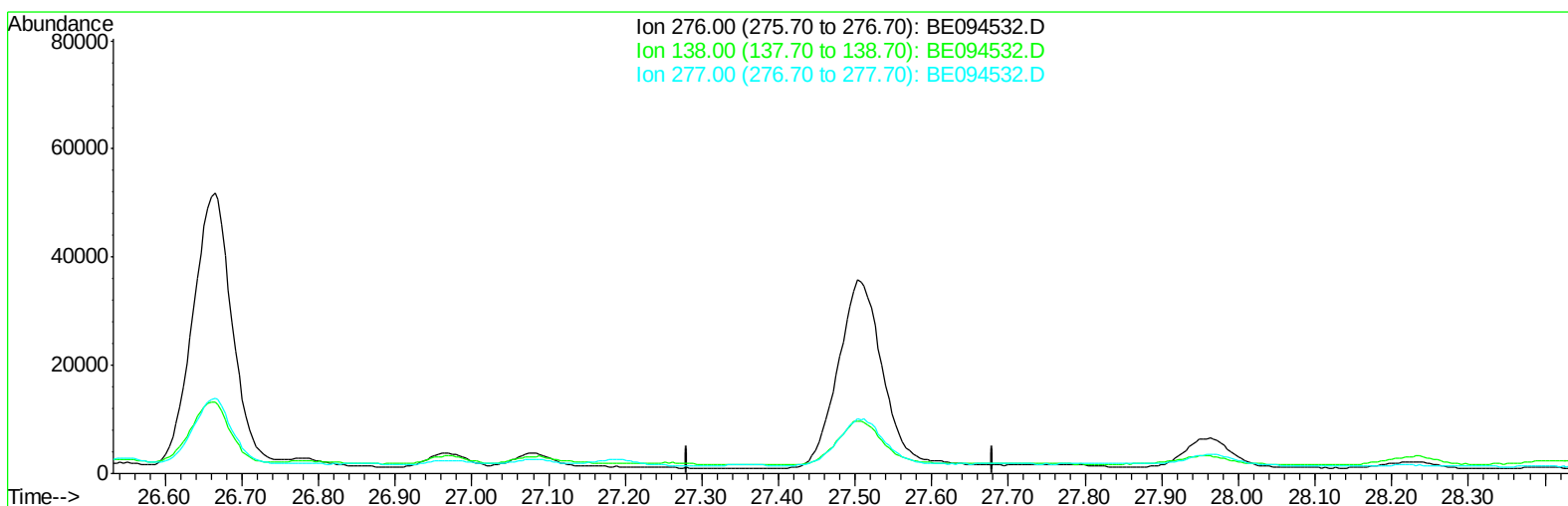
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094532.D
Acq On : 25 Oct 2017 14:22
Operator : SJ/JU
Sample : I5693-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(3.5-4.5)-100417

Manual Integrations
APPROVED

Sohil
10/27/2017 8:28:38 AM

Quant Time: Oct 25 18:46:24 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 25 18:44:03 2017
Response via : Initial Calibration



TIC: BE094532.D

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

27.480min (-27.480) 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

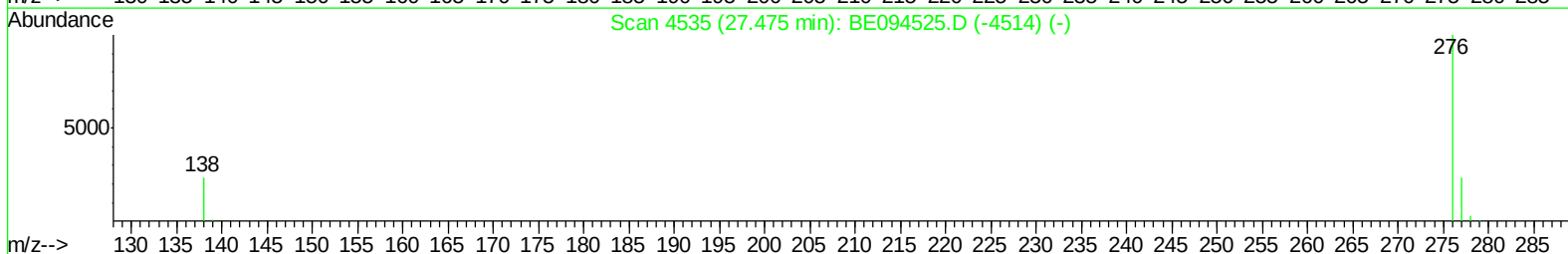
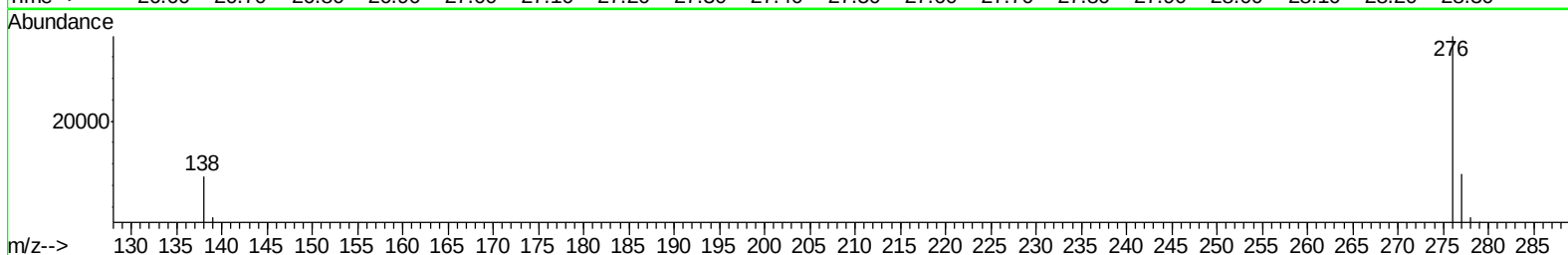
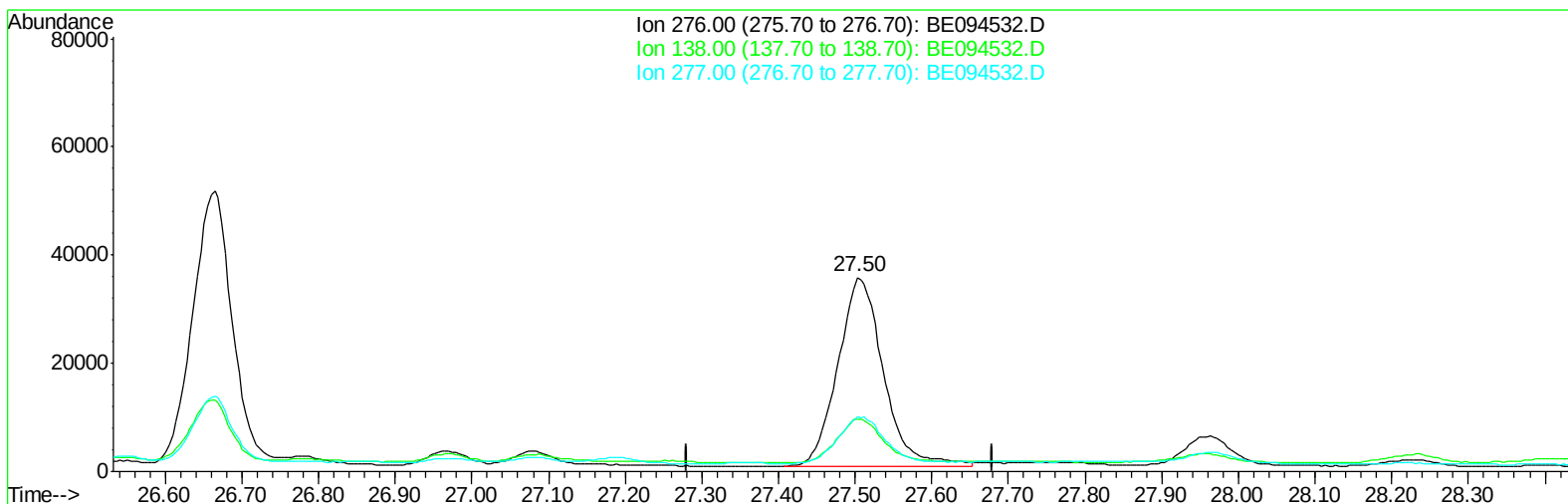
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094532.D
Acq On : 25 Oct 2017 14:22
Operator : SJ/JU
Sample : I5693-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(3.5-4.5)-100417

Manual Integrations
APPROVED

Sohil
10/27/2017 8:28:38 AM

Quant Time: Oct 25 18:46:24 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 25 18:44:03 2017
Response via : Initial Calibration



TIC: BE094532.D

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

27.503min (+0.022) 8.57ng/ul m

response 143851

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	27.11
277.00	25.60	28.14
0.00	0.00	0.00

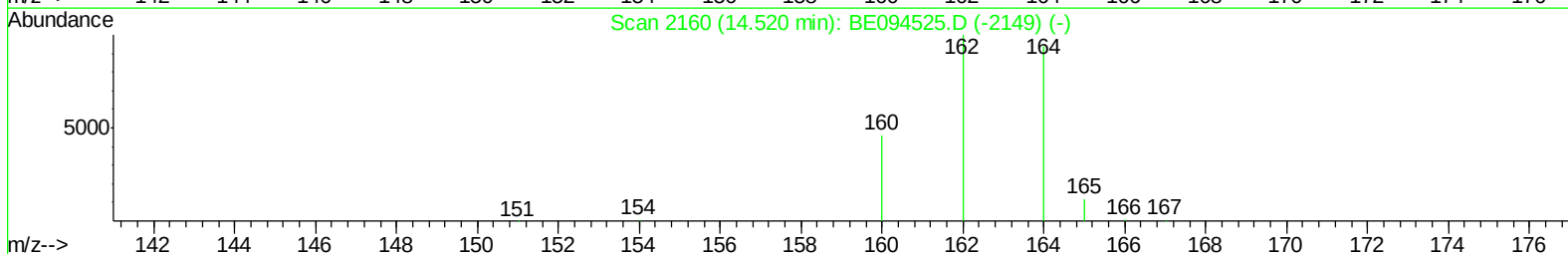
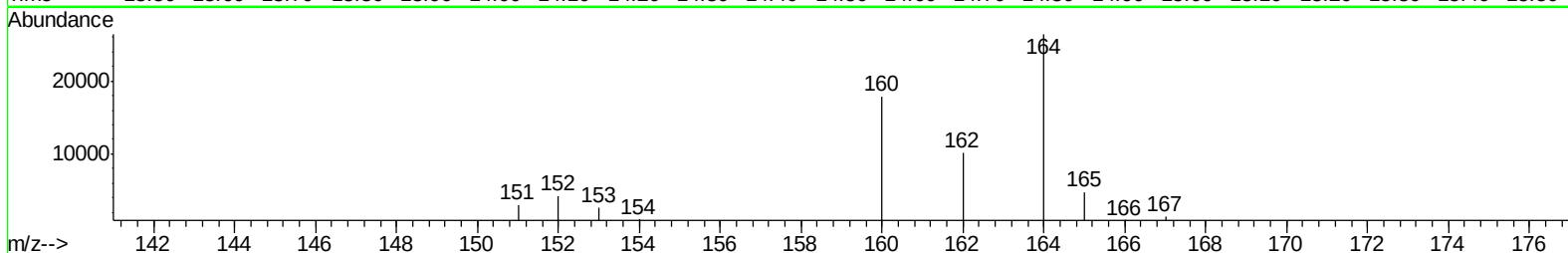
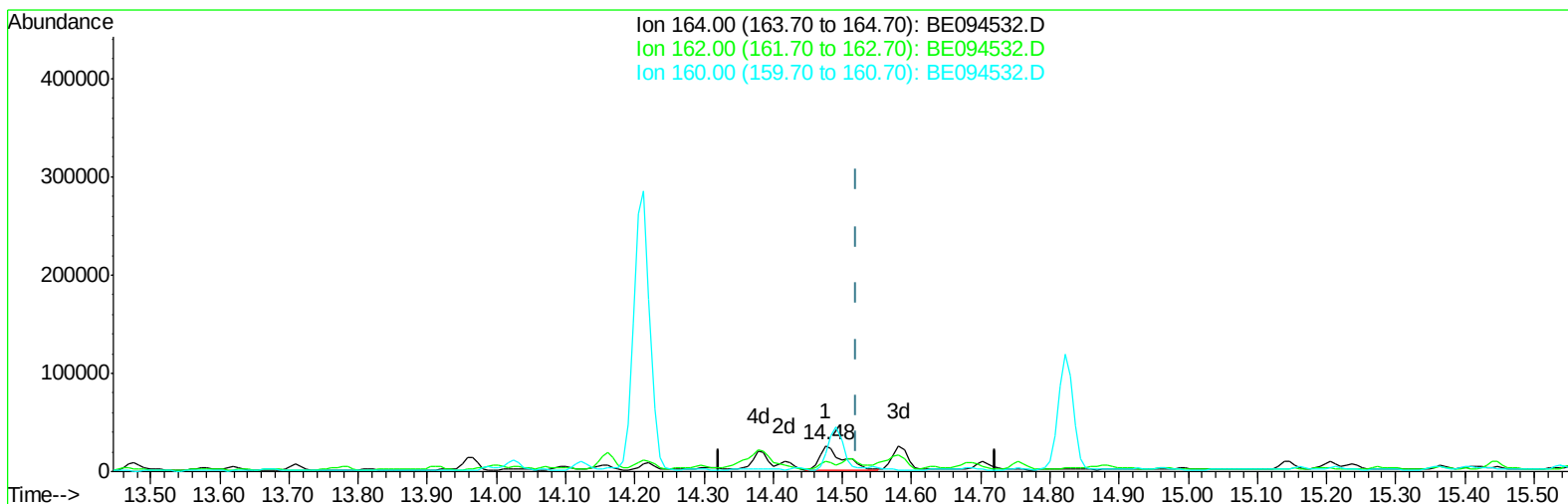
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094532.D
Acq On : 25 Oct 2017 14:22
Operator : SJ/JU
Sample : I5693-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(3.5-4.5)-100417

Manual Integrations
APPROVED

Sohil
10/27/2017 8:28:38 AM

Quant Time: Oct 25 18:50:22 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 25 18:44:03 2017
Response via : Initial Calibration



TIC: BE094532.D

(6) Acenaphthene-d10 (I)
14.476min (-0.045) 0.40ng/ul
response 55015

Ion	Exp%	Act%
164.00	100	100
162.00	98.60	38.39#
160.00	48.80	67.62#
0.00	0.00	0.00

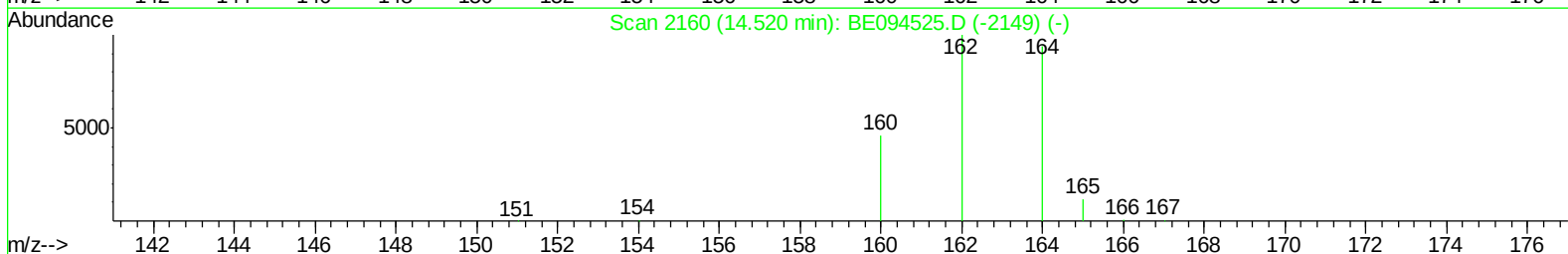
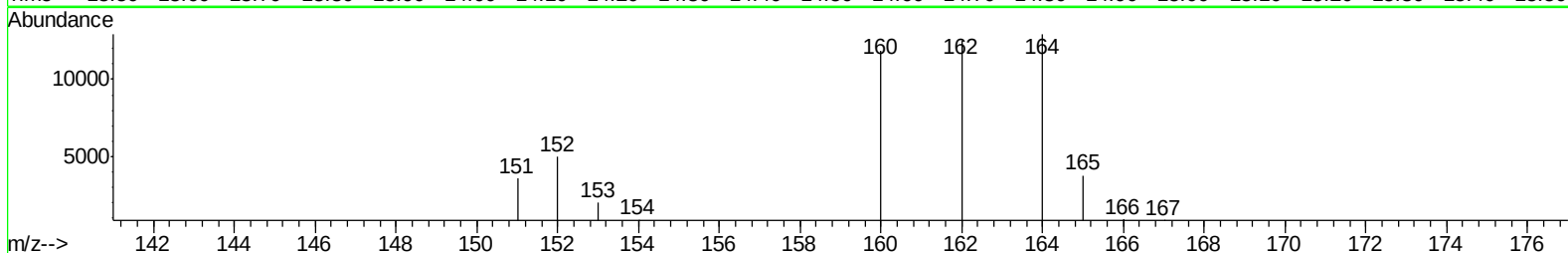
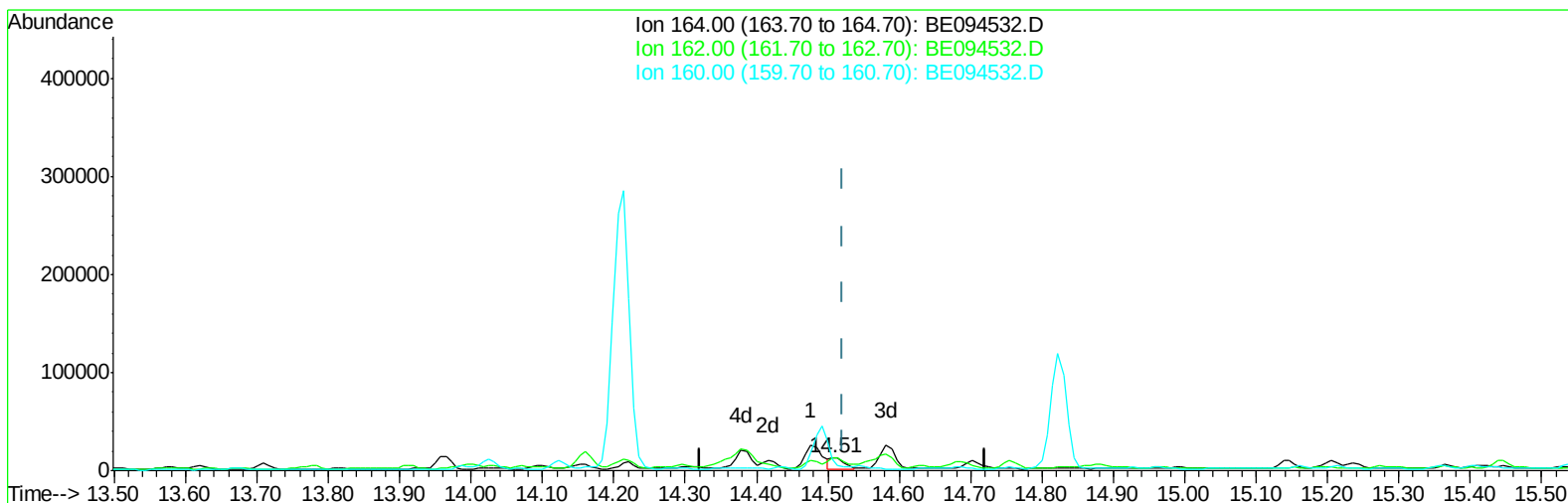
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094532.D
Acq On : 25 Oct 2017 14:22
Operator : SJ/JU
Sample : I5693-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(3.5-4.5)-100417

Manual Integrations
APPROVED

Sohil
10/27/2017 8:28:38 AM

Quant Time: Oct 25 18:53:19 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 25 18:44:03 2017
Response via : Initial Calibration



TIC: BE094532.D

(6) Acenaphthene-d10 (I)

14.506min (-0.015) 0.40ng/ul m

response 14573

Ion	Exp%	Act%
164.00	100	100
162.00	98.60	96.78
160.00	48.80	91.49#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
 Data File : BE094532.D
 Acq On : 25 Oct 2017 14:22
 Operator : SJ/JU
 Sample : I5693-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-33(3.5-4.5)-100417

Manual Integrations
 APPROVED

Sohil
 10/27/2017 8:28:38 AM

Quant Time: Oct 25 18:57:21 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 25 18:44:03 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	1350	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.68	136	7206	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.51	164	14573m	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.26	188	10545	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	8072	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	7182m	0.40	ng/ul	0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	3490	0.30	ng/ul	-0.03
14) Fluoranthene-d10	19.30	212	7487	0.24	ng/ul	0.02
Target Compounds					Qvalue	
3) Naphthalene	10.73	128	41237	2.341	ng/ul#	94
5) 2-Methylnaphthalene	12.34	142	12092	0.981	ng/ul	100
7) Acenaphthylene	14.24	152	30969	0.470	ng/ul#	72
8) Acenaphthene	14.58	153	20233	0.427	ng/ul	93
9) Fluorene	15.57	166	33889	0.637	ng/ul	84
12) Phenanthrene	17.29	178	373407	13.406	ng/ul#	88
13) Anthracene	17.40	178	82152	2.989	ng/ul#	89
15) Fluoranthene	19.33	202	560194	17.397	ng/ul	83
17) Pyrene	19.70	202	523416	20.975	ng/ul#	80
18) Benzo(a)anthracene	21.42	228	247881	10.742	ng/ul#	90
19) Chrysene	21.47	228	254480	10.669	ng/ul	96
21) Benzo(b)fluoranthene	23.19	252	389266m	19.268	ng/ul	
22) Benzo(k)fluoranthene	23.23	252	93853m	4.335	ng/ul	
23) Benzo(a)pyrene	23.85	252	267259m	13.234	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.66	276	182204m	8.719	ng/ul	
25) Dibenzo(a,h)anthracene	26.66	278	52293m	2.970	ng/ul	
26) Benzo(g,h,i)perylene	27.50	276	143851m	8.573	ng/ul	

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

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Instrument :
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Manual Integrations
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Sohil
10/27/2017 8:28:38 AM

Quant Time: Oct 25 18:57:21 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
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QLast Update : Wed Oct 25 18:44:03 2017
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