

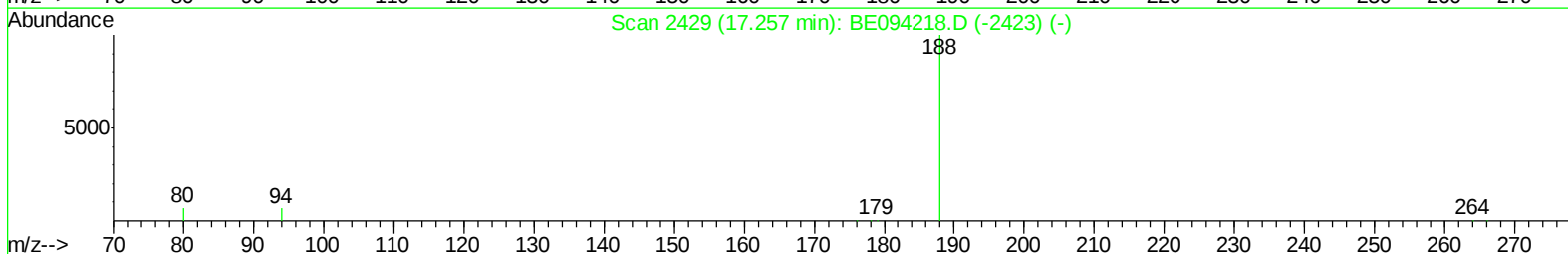
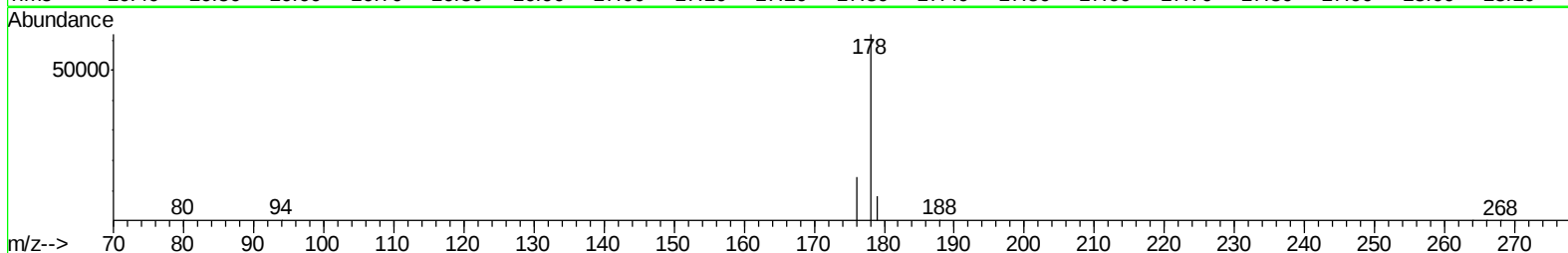
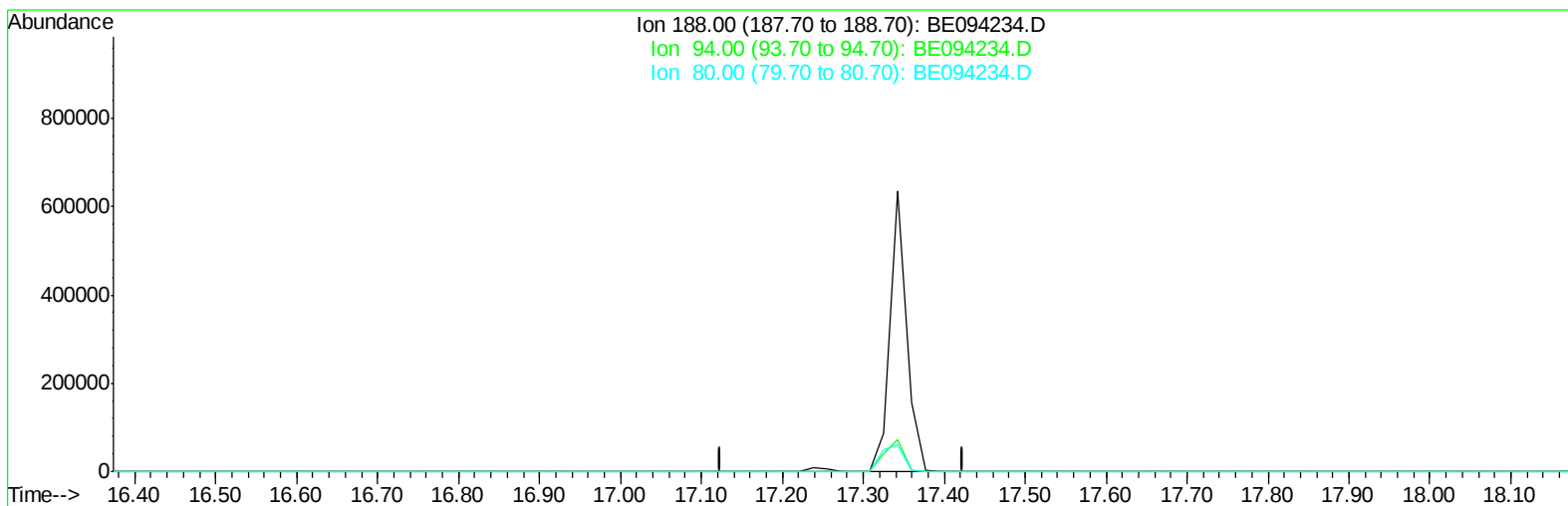
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094234.D
Acq On : 9 Oct 2017 23:17
Operator : SJ/JU
Sample : I5522-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC6

Manual Integrations
APPROVED

Sohil
10/10/2017 4:58:13 PM

Quant Time: Oct 10 09:37:22 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration



TIC: BE094234.D

(10) Phenanthrene-d10 (I)

17.274min (-17.274) 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

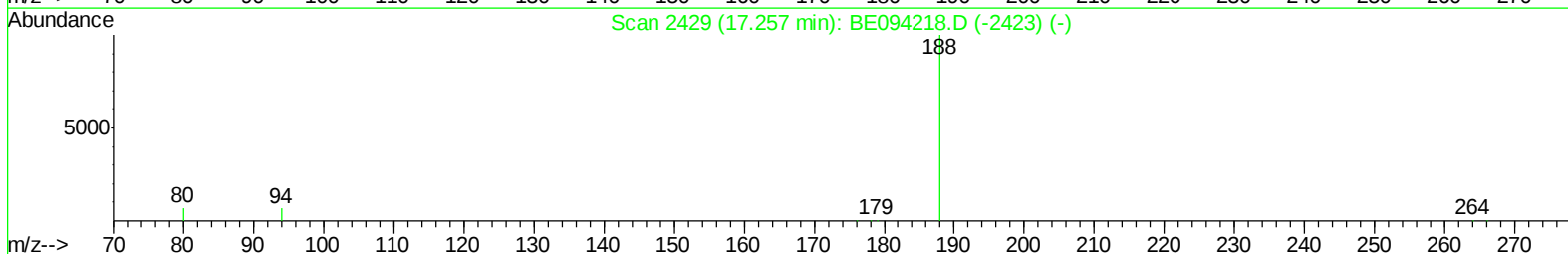
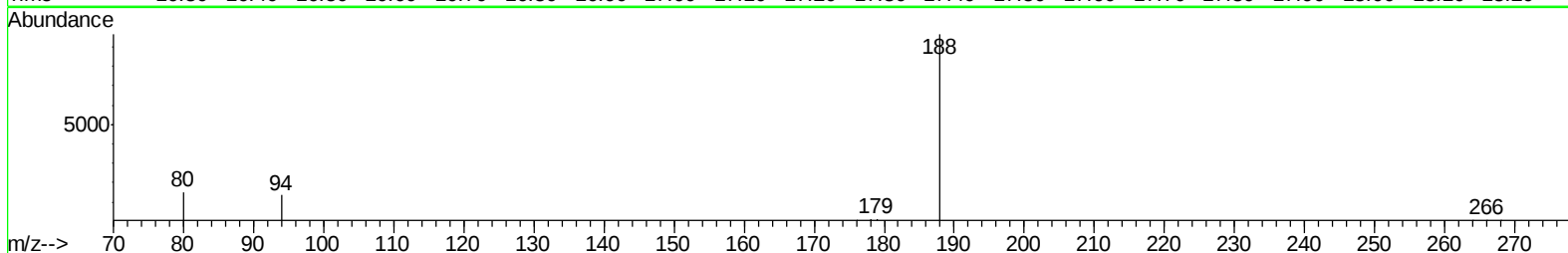
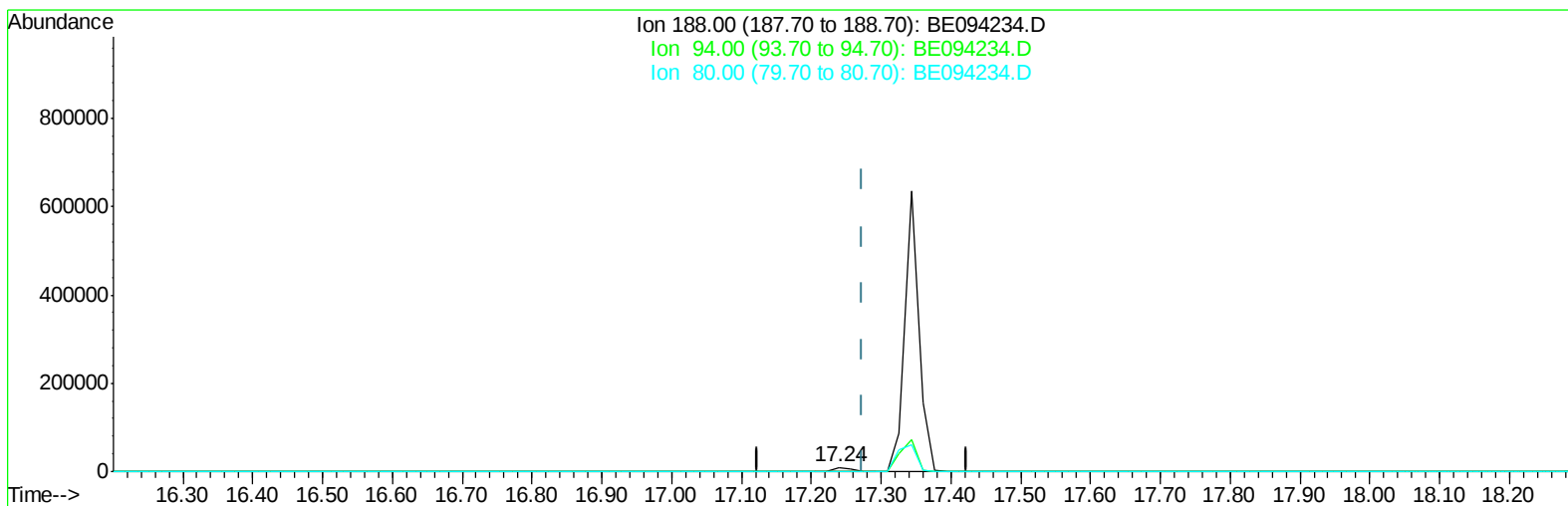
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094234.D
Acq On : 9 Oct 2017 23:17
Operator : SJ/JU
Sample : I5522-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC6

Manual Integrations
APPROVED

Sohil
10/10/2017 4:58:13 PM

Quant Time: Oct 10 09:37:22 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration



TIC: BE094234.D

(10) Phenanthrene-d10 (I)

17.239min (-0.035) 0.40ng/ul m

response 17087

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	13.95#
80.00	11.80	15.88#
0.00	0.00	0.00

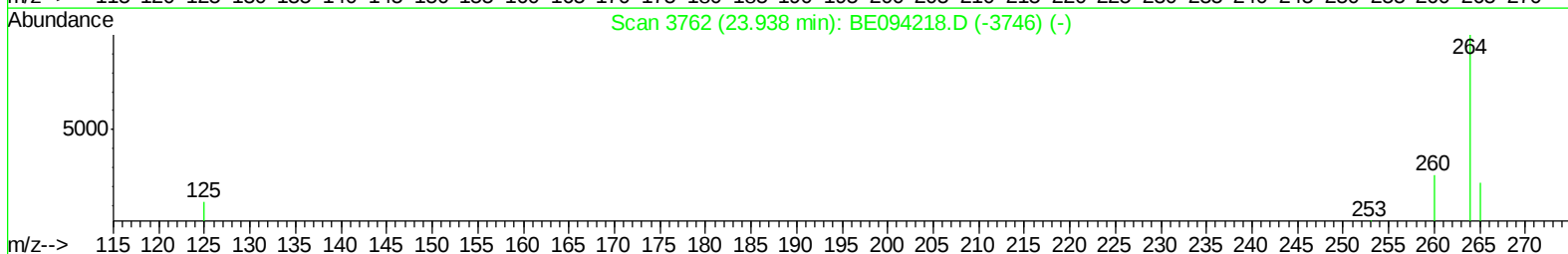
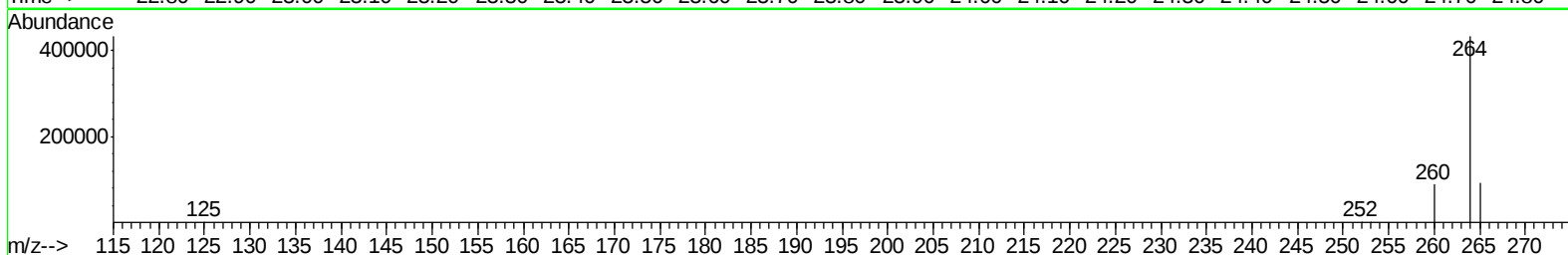
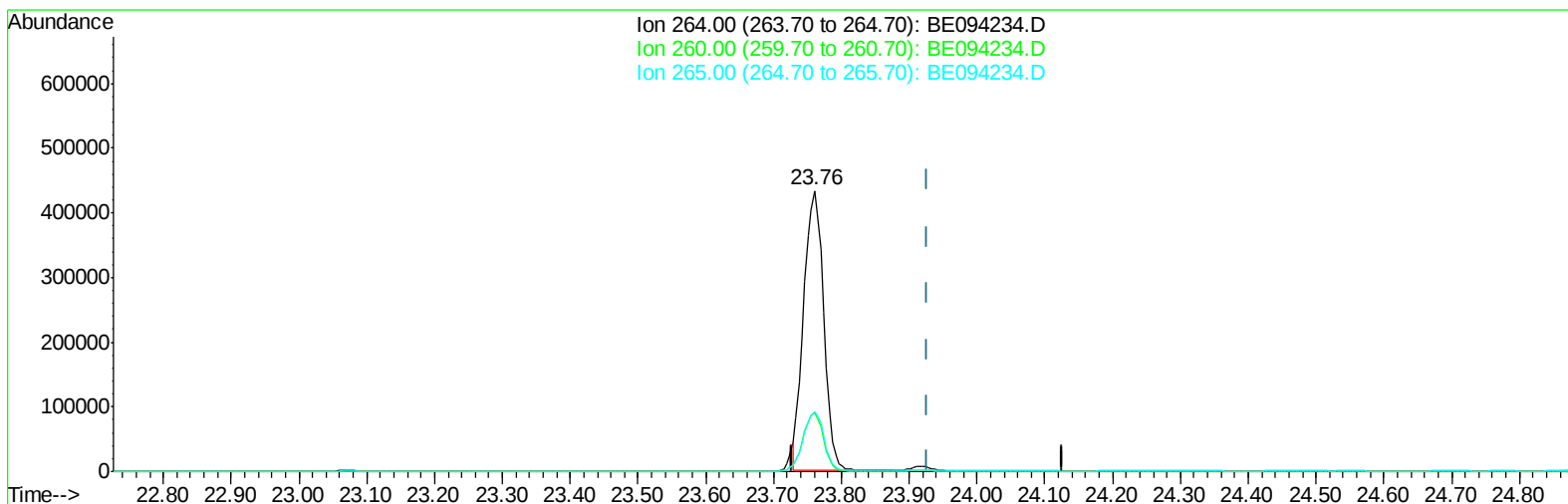
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094234.D
Acq On : 9 Oct 2017 23:17
Operator : SJ/JU
Sample : I5522-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC6

Manual Integrations
APPROVED

Sohil
10/10/2017 4:58:13 PM

Quant Time: Oct 10 09:38:28 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration



TIC: BE094234.D

(20) Perylene-d12 (I)

23.760min (-0.167) 0.40ng/ul

response 885718

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.80#
265.00	103.50	21.55#
0.00	0.00	0.00

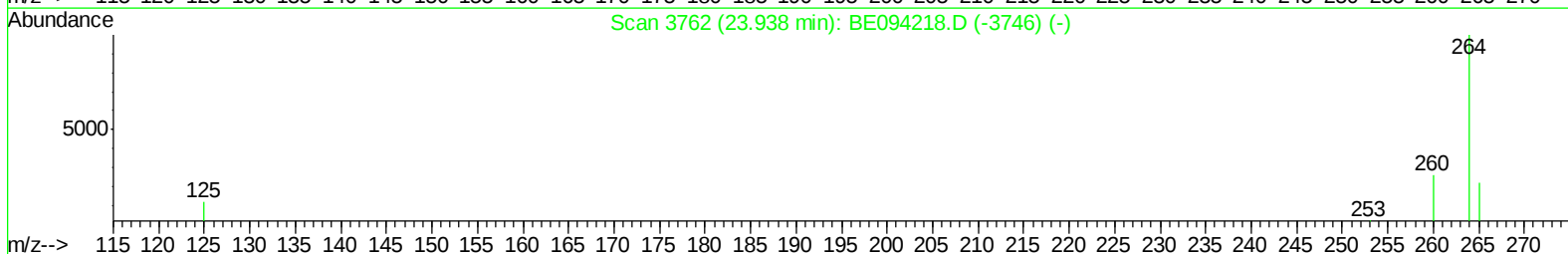
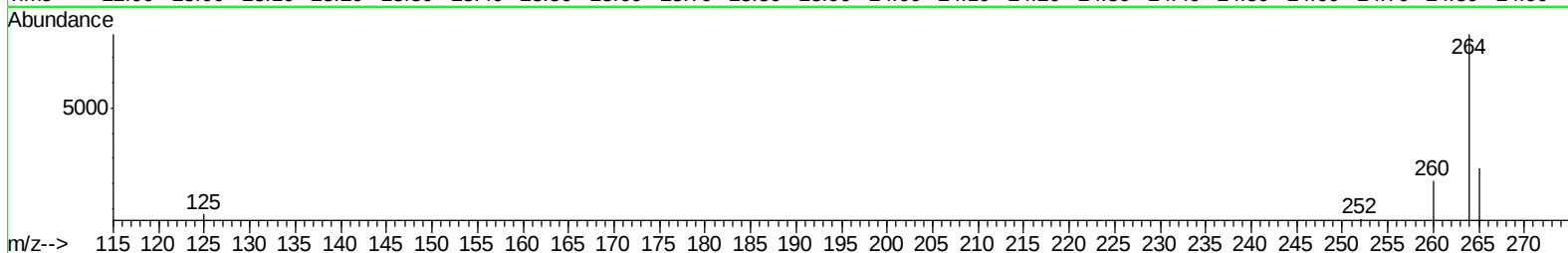
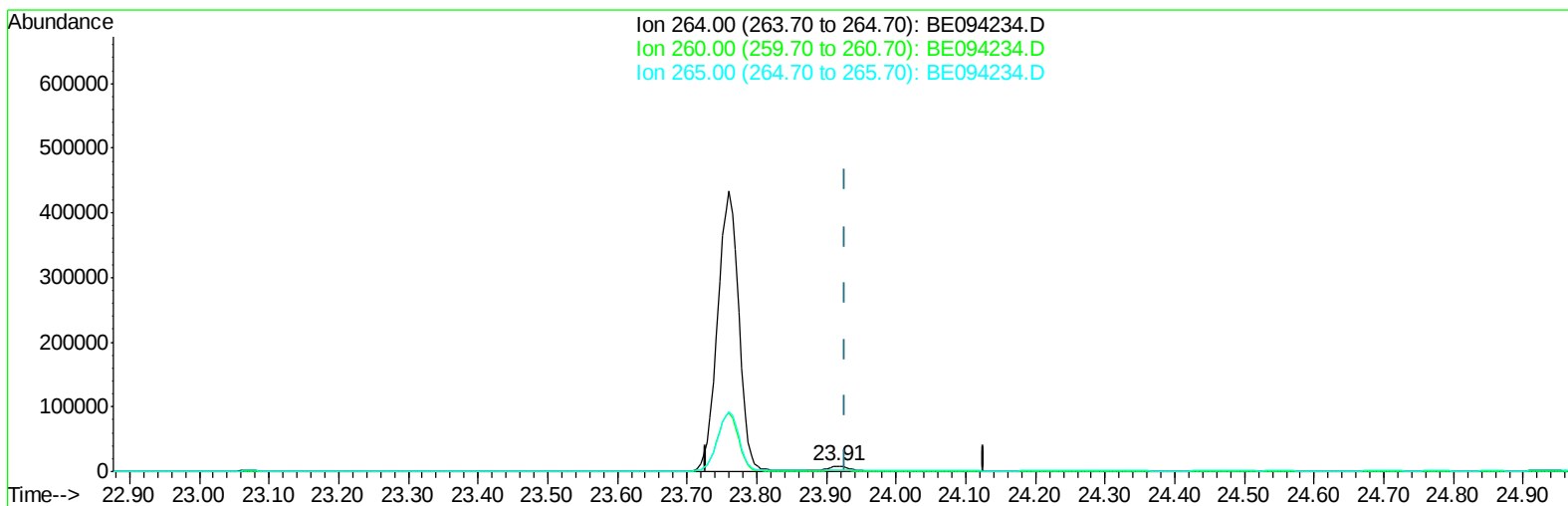
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094234.D
Acq On : 9 Oct 2017 23:17
Operator : SJ/JU
Sample : I5522-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC6

Manual Integrations
APPROVED

Sohil
10/10/2017 4:58:13 PM

Quant Time: Oct 10 09:38:28 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration



TIC: BE094234.D

(20) Perylene-d12 (I)

23.915min (-0.012) 0.40ng/ul m

response 14866

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	26.30
265.00	103.50	32.79#
0.00	0.00	0.00

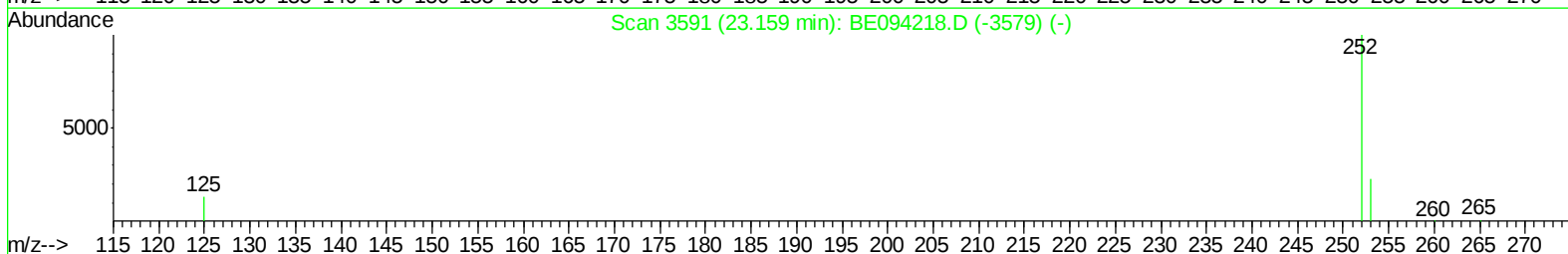
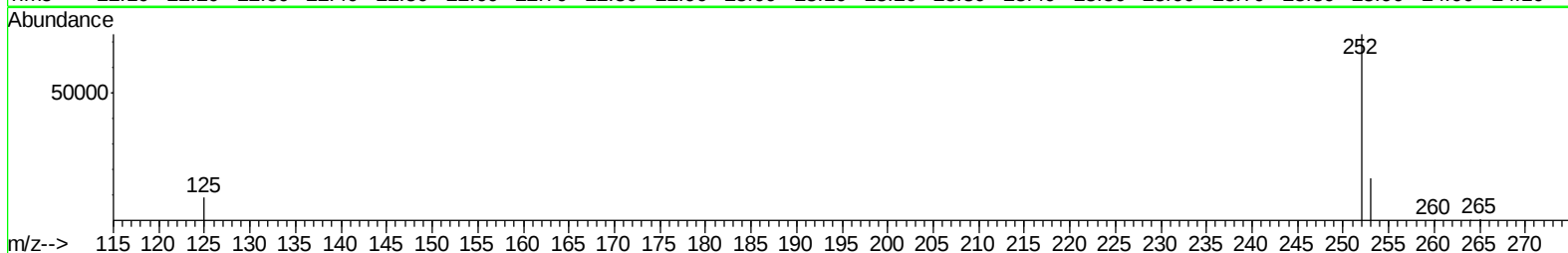
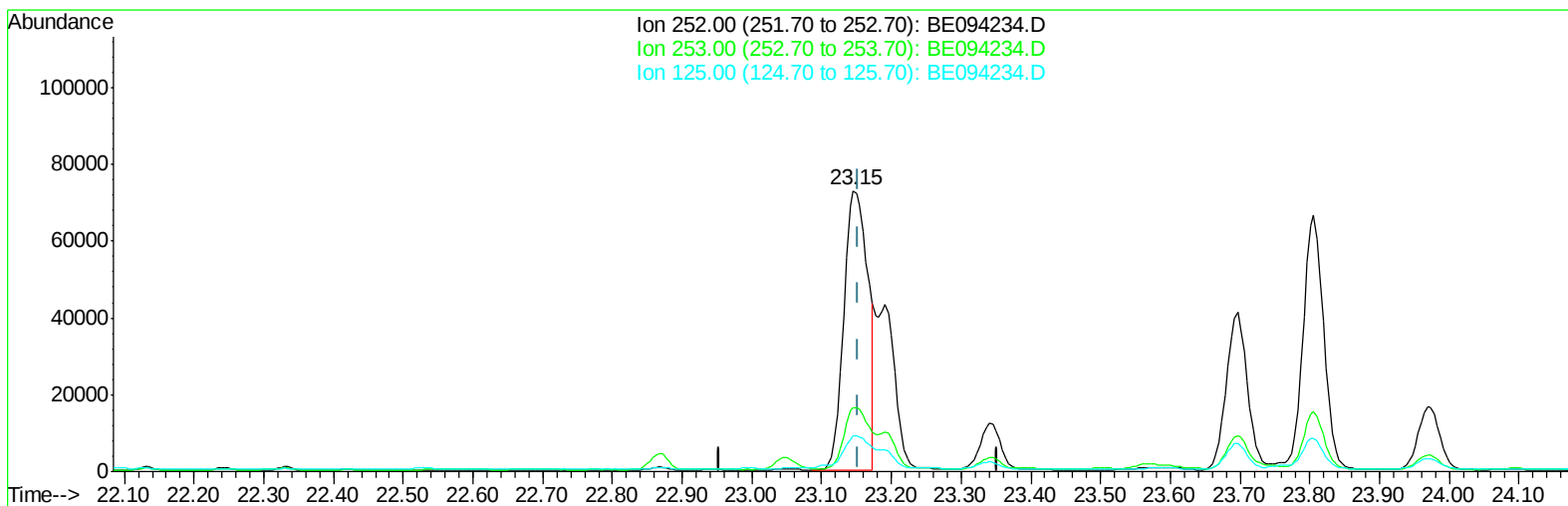
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094234.D
Acq On : 9 Oct 2017 23:17
Operator : SJ/JU
Sample : I5522-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC6

Manual Integrations
APPROVED

Sohil
10/10/2017 4:58:13 PM

Quant Time: Oct 10 09:40:17 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration



TIC: BE094234.D

(21) Benzo(b)fluoranthene
23.145min (-0.008) 4.32ng/ul
response 174322

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	22.92
125.00	17.50	12.53
0.00	0.00	0.00

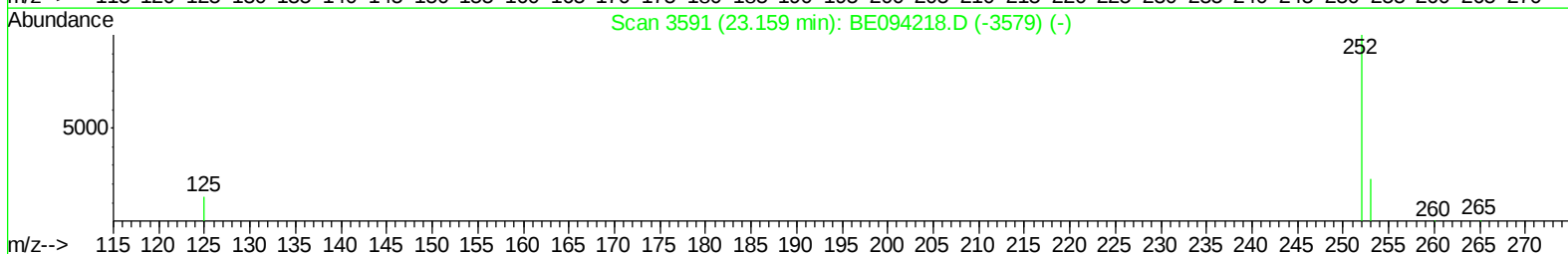
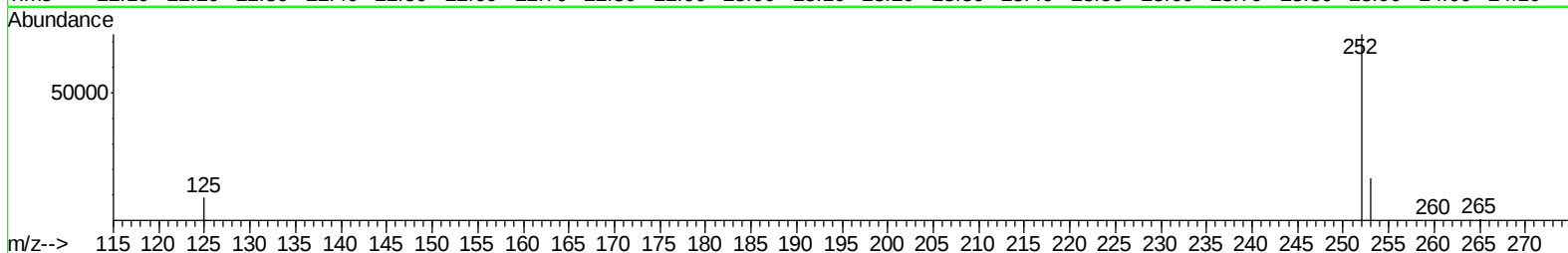
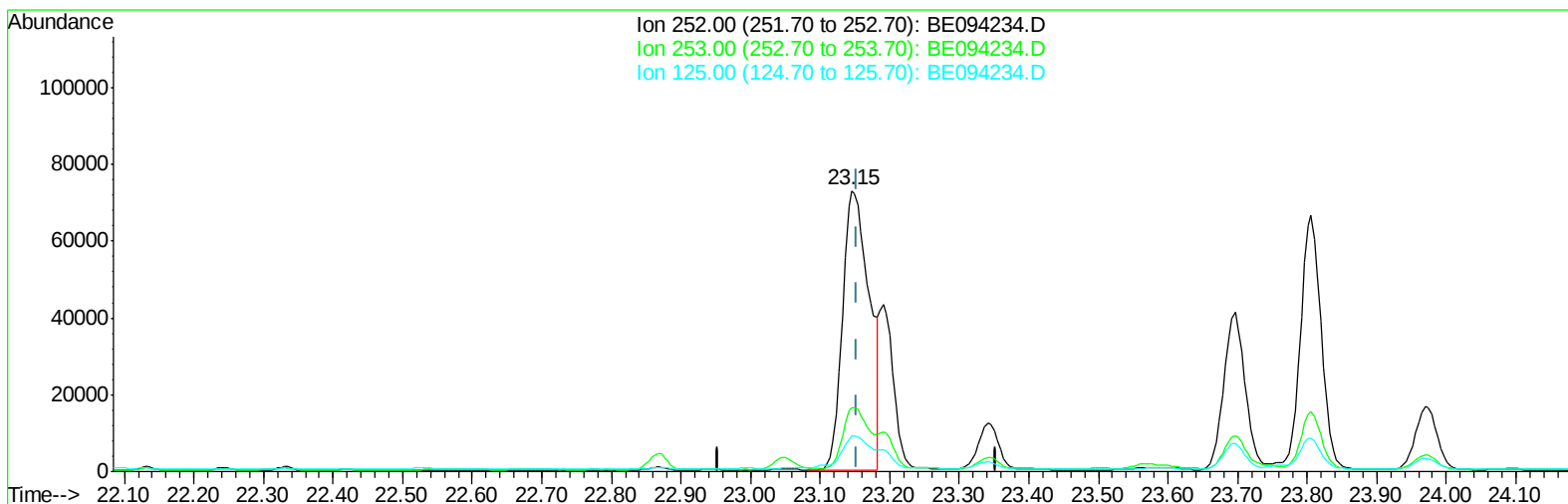
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094234.D
Acq On : 9 Oct 2017 23:17
Operator : SJ/JU
Sample : I5522-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC6

Manual Integrations
APPROVED

Sohil
10/10/2017 4:58:13 PM

Quant Time: Oct 10 09:40:17 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration



TIC: BE094234.D

(21) Benzo(b)fluoranthene

23.145min (-0.008) 4.85ng/ul m

response 195939

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	22.92
125.00	17.50	12.53
0.00	0.00	0.00

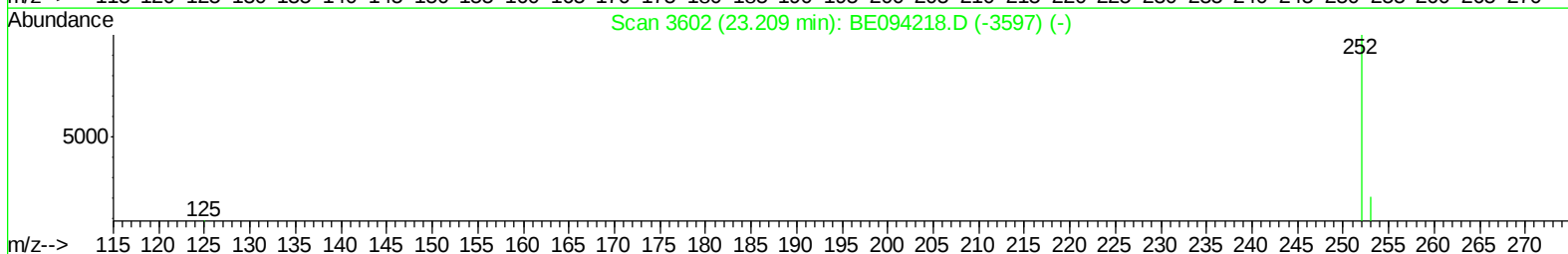
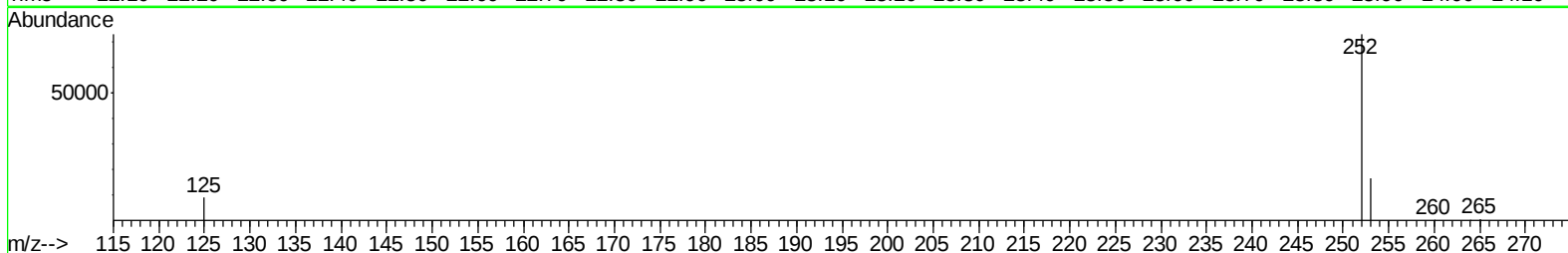
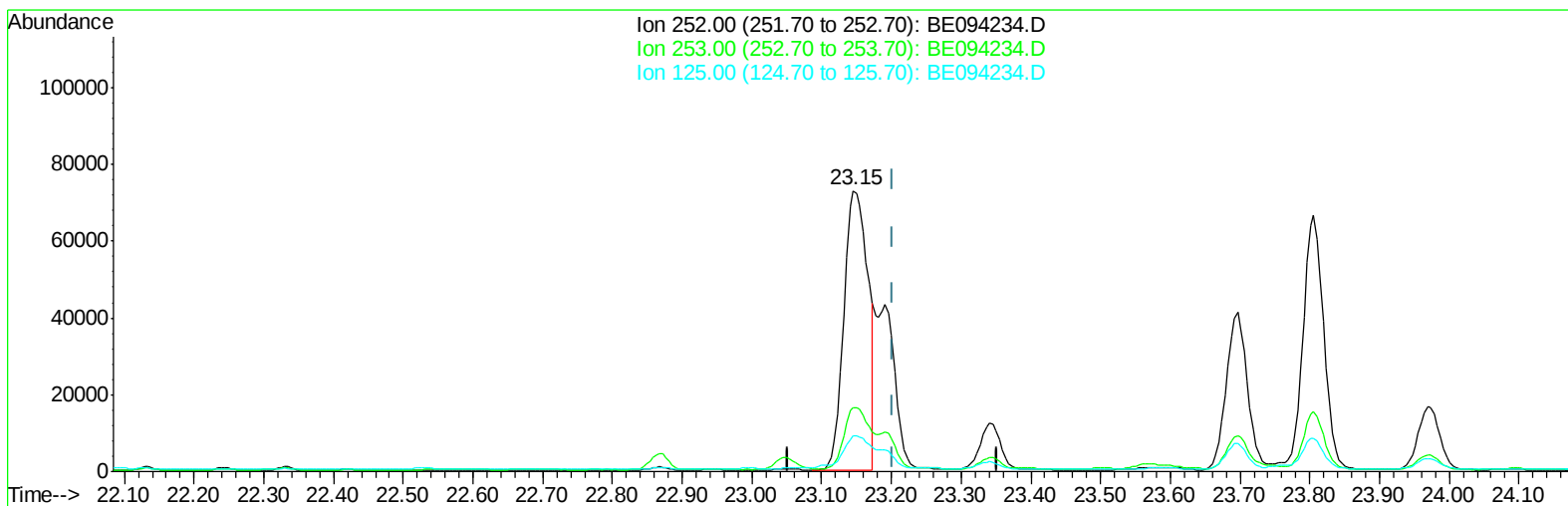
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094234.D
Acq On : 9 Oct 2017 23:17
Operator : SJ/JU
Sample : I5522-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC6

Manual Integrations
APPROVED

Sohil
10/10/2017 4:58:13 PM

Quant Time: Oct 10 09:40:17 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration



TIC: BE094234.D

(22) Benzo(k)fluoranthene
23.145min (-0.058) 3.73ng/ul
response 174322

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	22.92#
125.00	17.10	12.53#
0.00	0.00	0.00

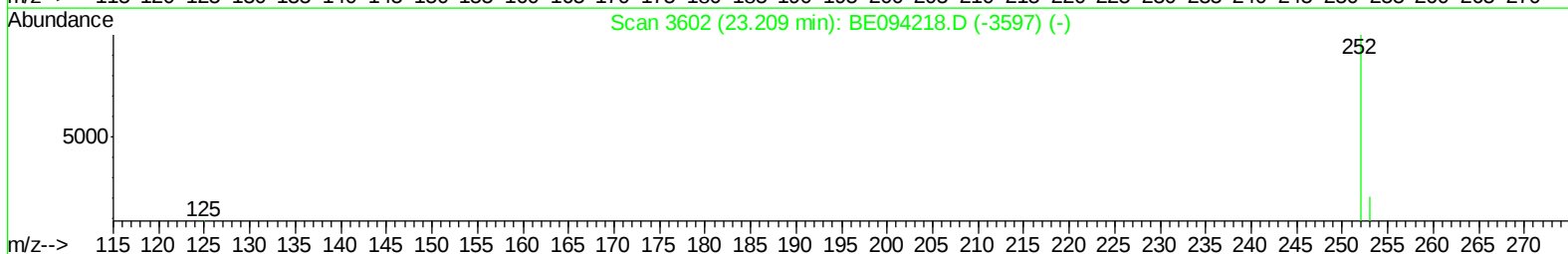
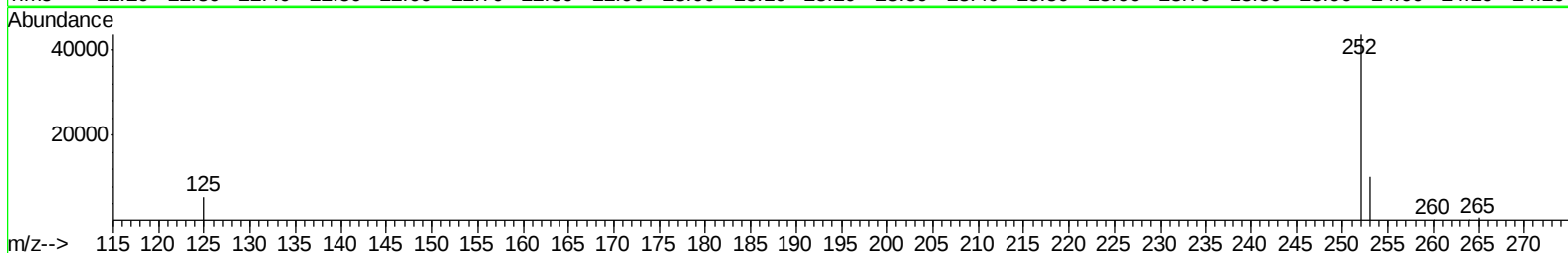
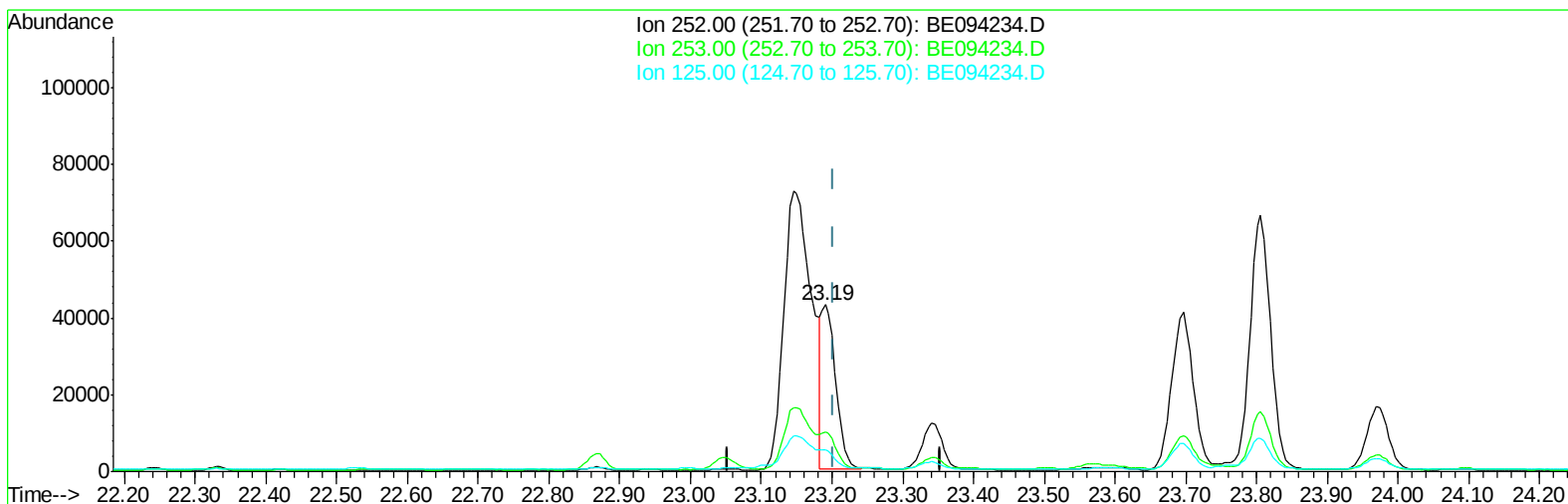
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094234.D
Acq On : 9 Oct 2017 23:17
Operator : SJ/JU
Sample : I5522-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC6

Manual Integrations
APPROVED

Sohil
10/10/2017 4:58:13 PM

Quant Time: Oct 10 09:40:17 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration



TIC: BE094234.D

(22) Benzo(k)fluoranthene

23.191min (-0.012) 1.28ng/ul m

response 59782

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.91#
125.00	17.10	12.84#
0.00	0.00	0.00

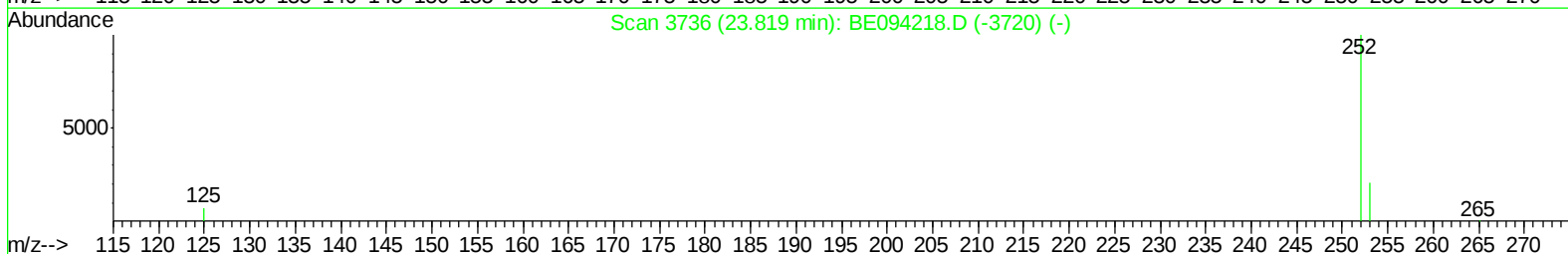
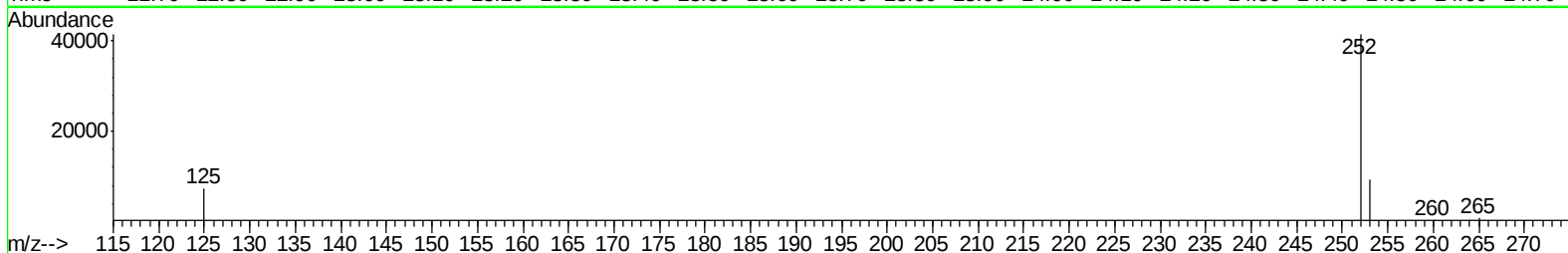
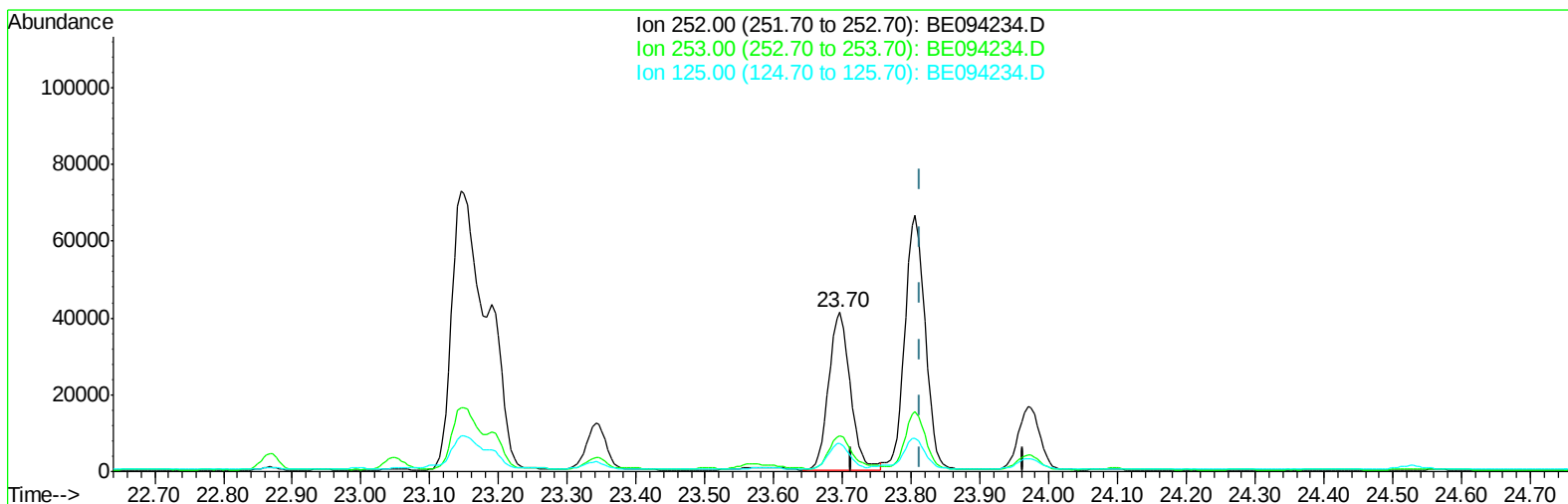
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094234.D
Acq On : 9 Oct 2017 23:17
Operator : SJ/JU
Sample : I5522-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC6

Manual Integrations
APPROVED

Sohil
10/10/2017 4:58:13 PM

Quant Time: Oct 10 09:42:24 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration



TIC: BE094234.D

(23) Benzo(a)pyrene (C)

23.696min (-0.117) 2.12ng/ul

response 88877

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	22.64#
125.00	22.60	17.49#
0.00	0.00	0.00

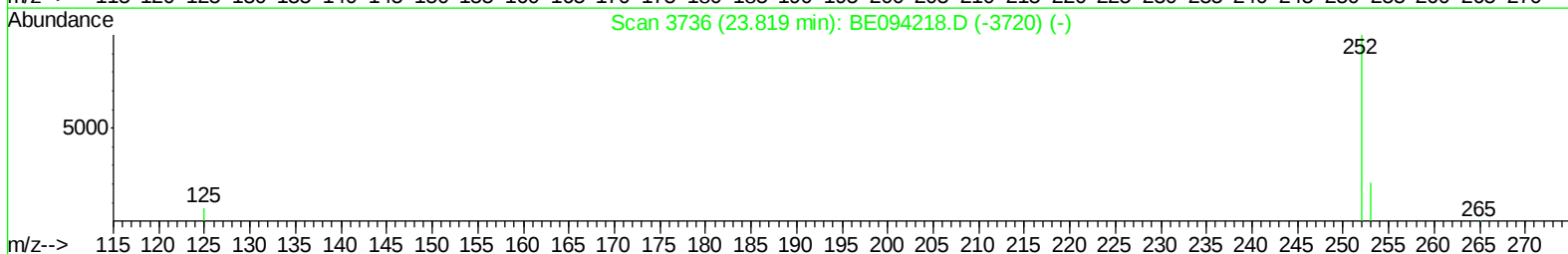
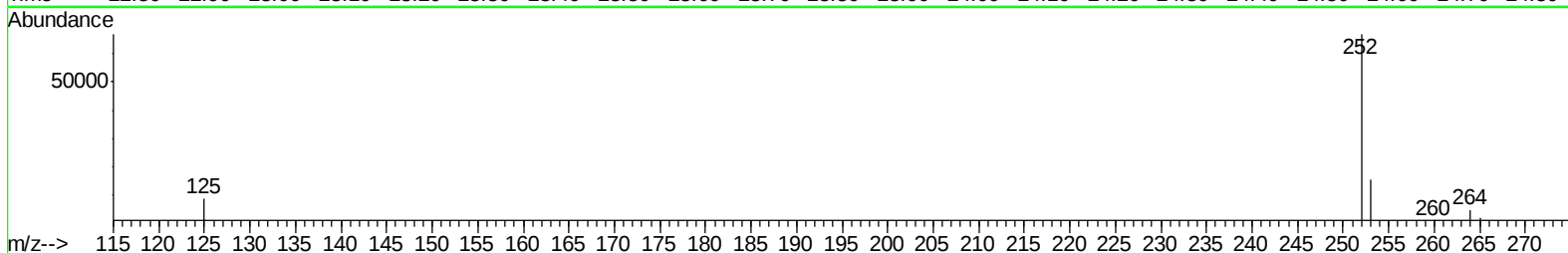
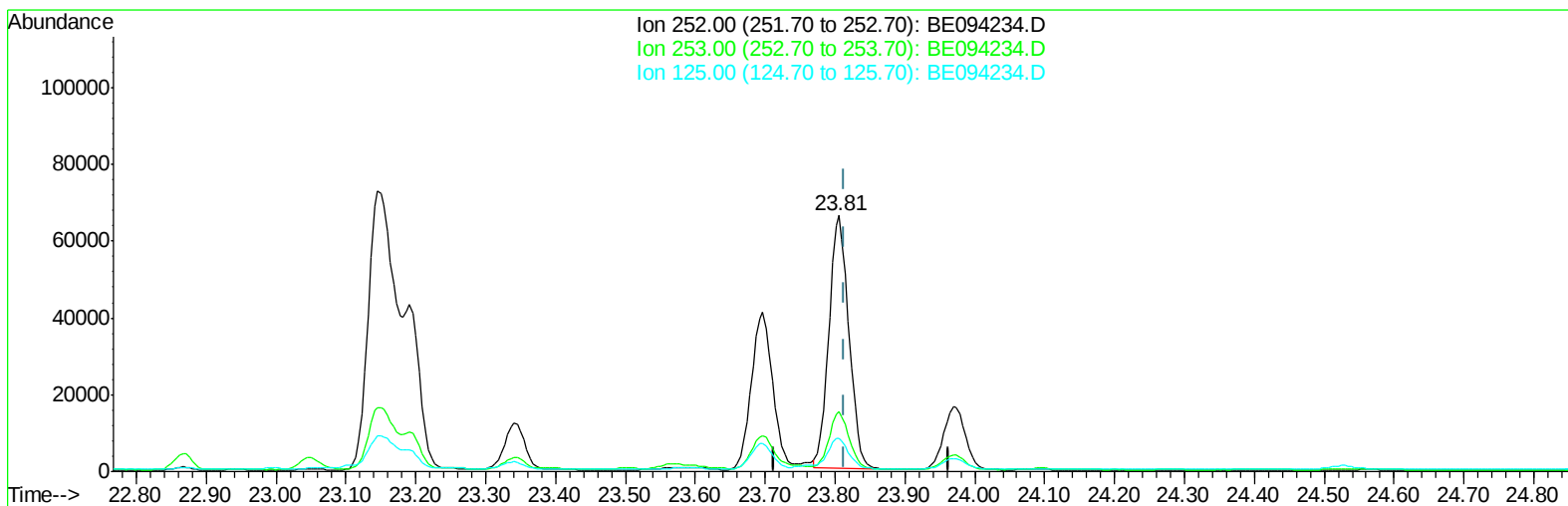
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094234.D
Acq On : 9 Oct 2017 23:17
Operator : SJ/JU
Sample : I5522-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC6

Manual Integrations
APPROVED

Sohil
10/10/2017 4:58:13 PM

Quant Time: Oct 10 09:42:24 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration



TIC: BE094234.D

(23) Benzo(a)pyrene (C)

23.806min (-0.008) 3.13ng/ul m

response 131499

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	23.37#
125.00	22.60	12.97#
0.00	0.00	0.00

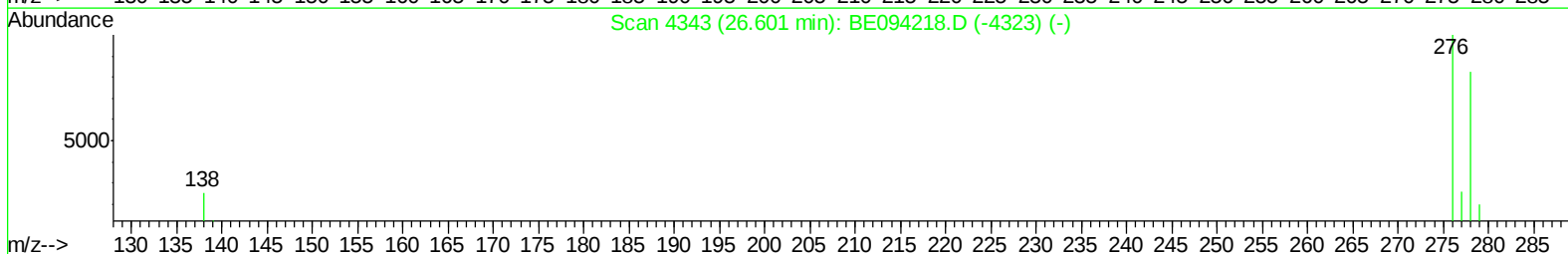
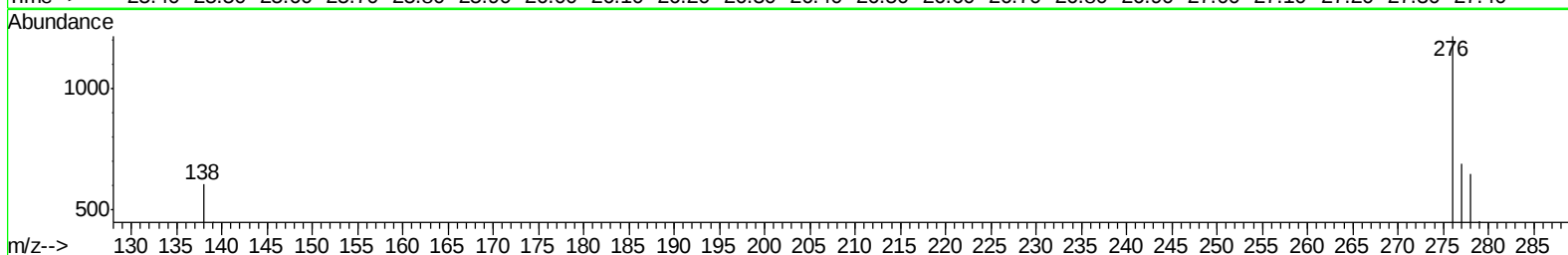
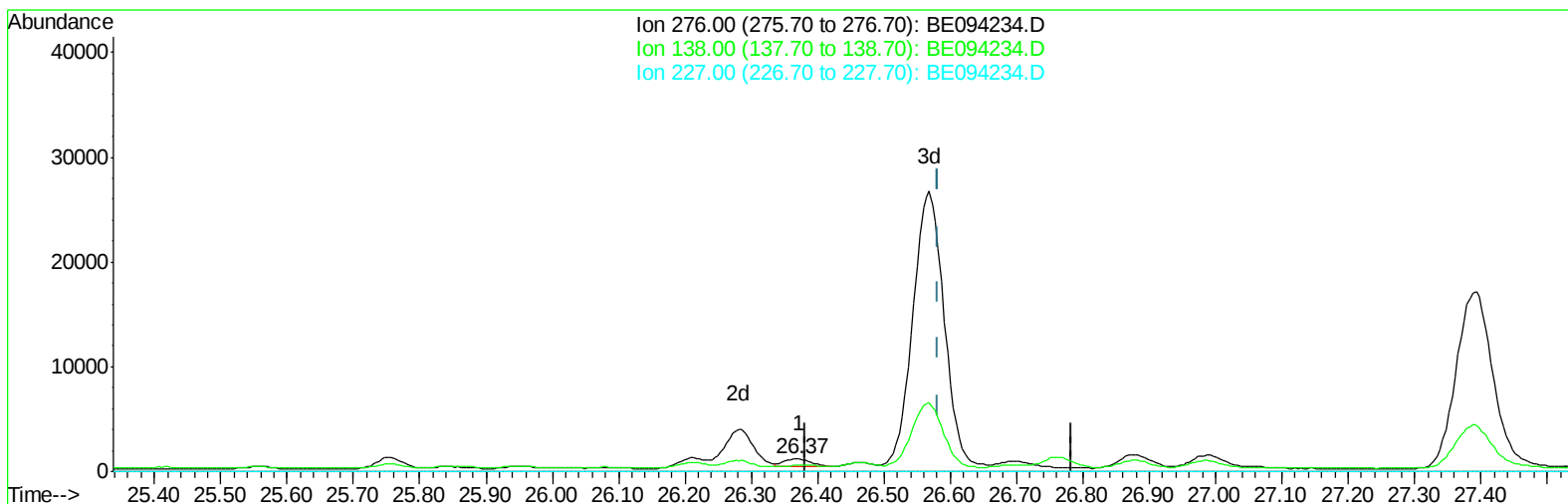
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094234.D
Acq On : 9 Oct 2017 23:17
Operator : SJ/JU
Sample : I5522-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC6

Manual Integrations
APPROVED

Sohil
10/10/2017 4:58:13 PM

Quant Time: Oct 10 09:42:24 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration



TIC: BE094234.D

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

26.372min (-0.211) 0.05ng/ul

response 2075

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	25.73#
227.00	10.00	0.00#
0.00	0.00	0.00

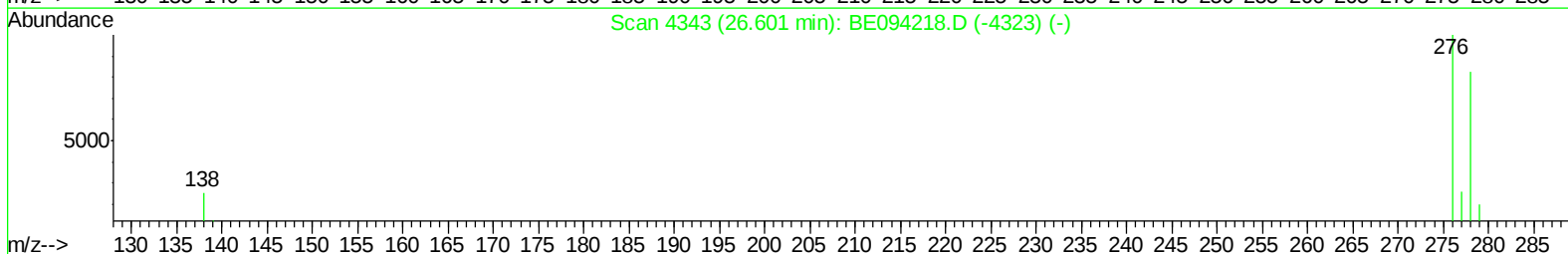
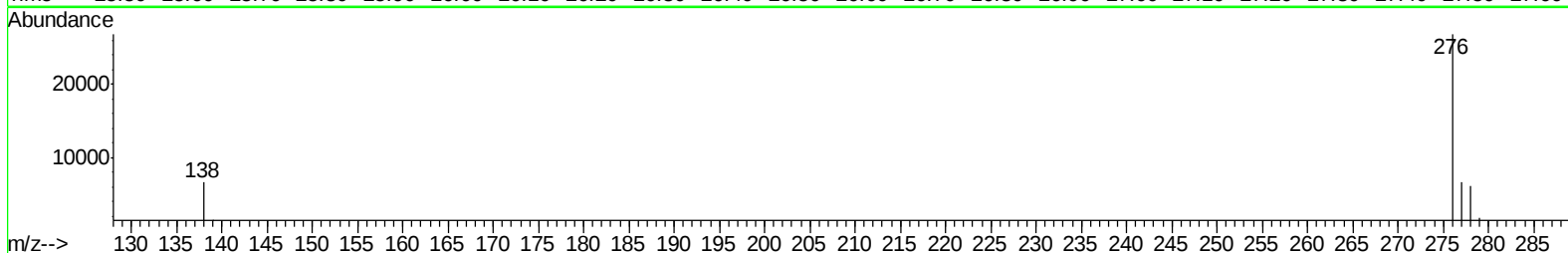
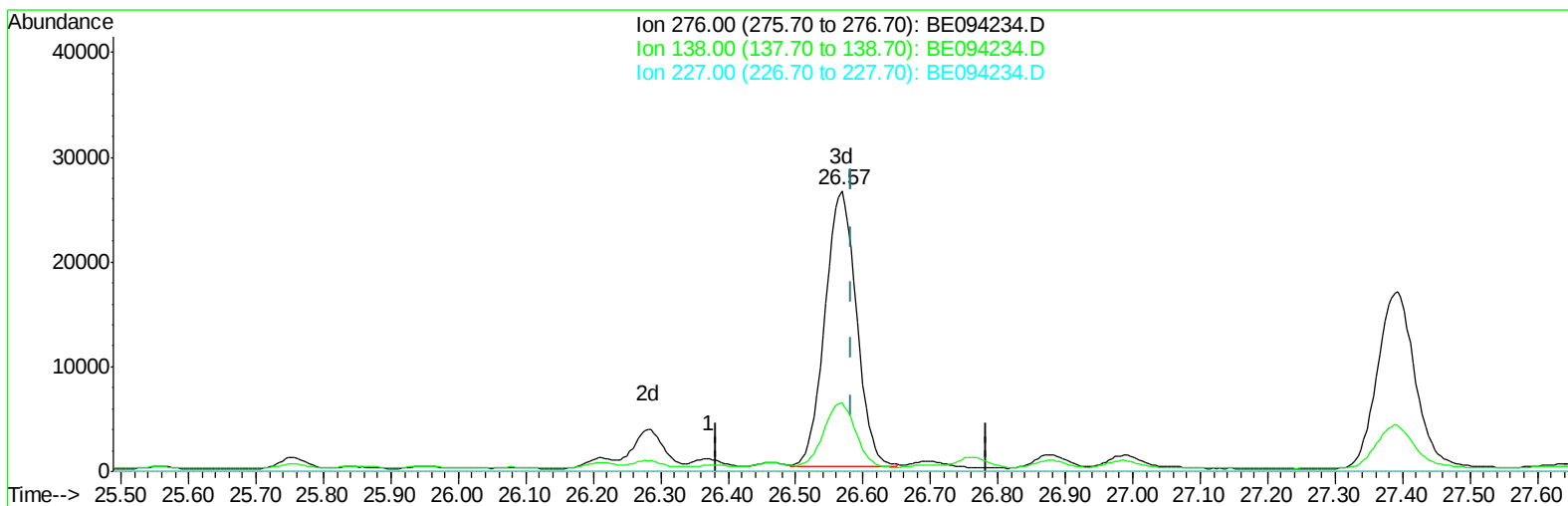
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094234.D
Acq On : 9 Oct 2017 23:17
Operator : SJ/JU
Sample : I5522-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC6

Manual Integrations
APPROVED

Sohil
10/10/2017 4:58:13 PM

Quant Time: Oct 10 09:42:24 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration



TIC: BE094234.D

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

26.568min (-0.015) 1.97ng/ul m

response 84601

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	0.63#
227.00	10.00	0.00#
0.00	0.00	0.00

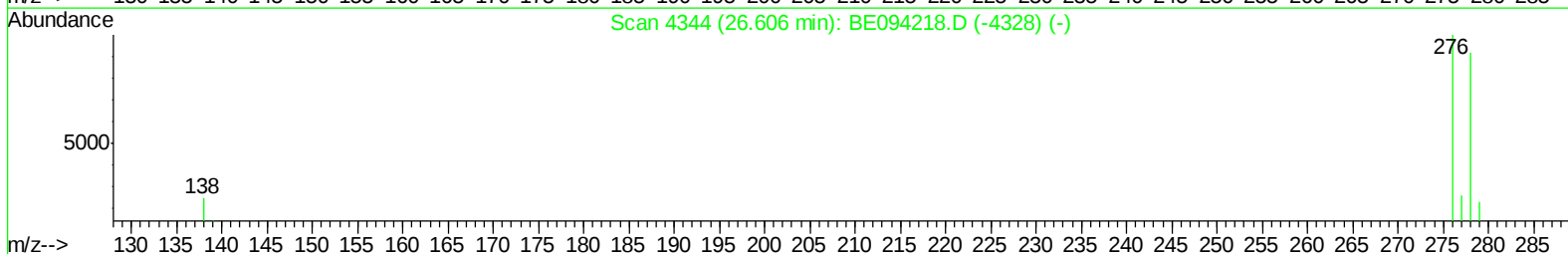
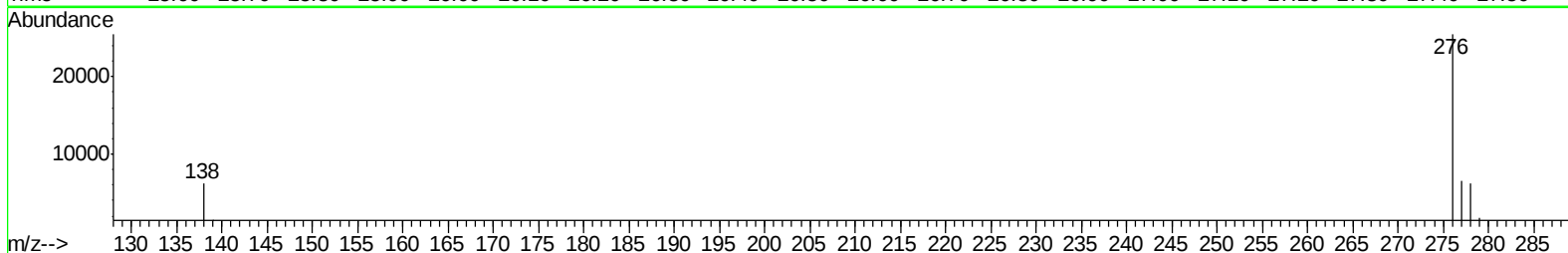
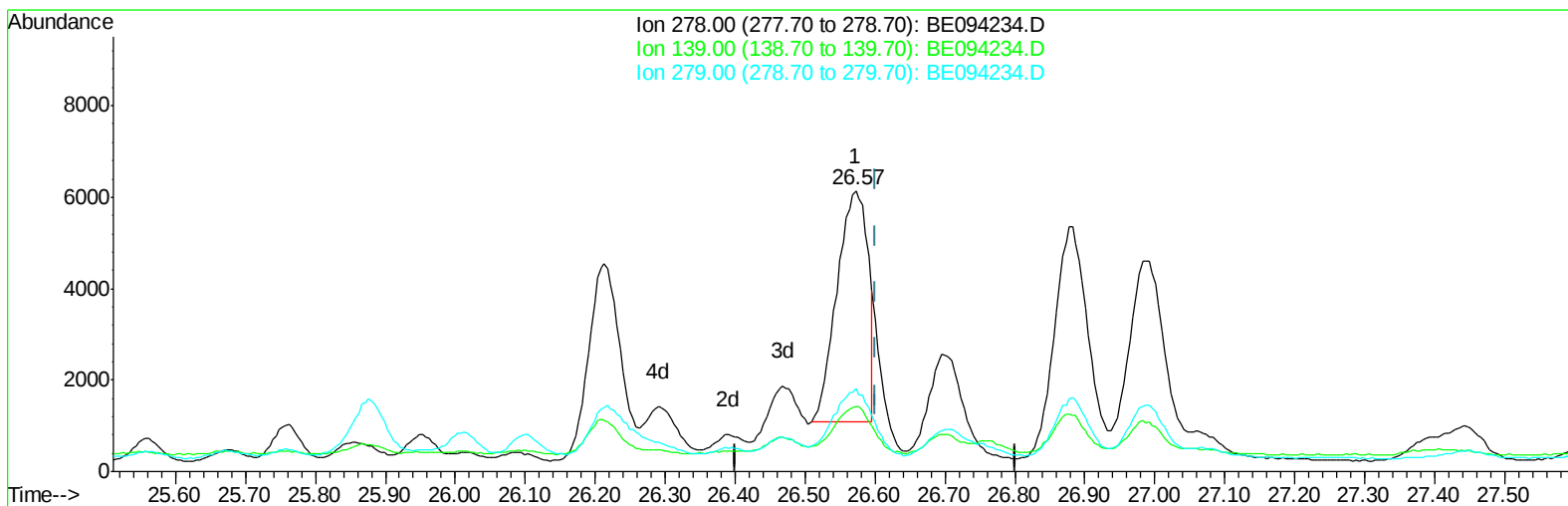
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094234.D
Acq On : 9 Oct 2017 23:17
Operator : SJ/JU
Sample : I5522-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC6

Manual Integrations
APPROVED

Sohil
10/10/2017 4:58:13 PM

Quant Time: Oct 10 09:42:24 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration



TIC: BE094234.D

(25) Dibenzo(a,h)anthracene

26.573min (-0.028) 0.43ng/ul

response 15591

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	23.21
279.00	32.40	29.37
0.00	0.00	0.00

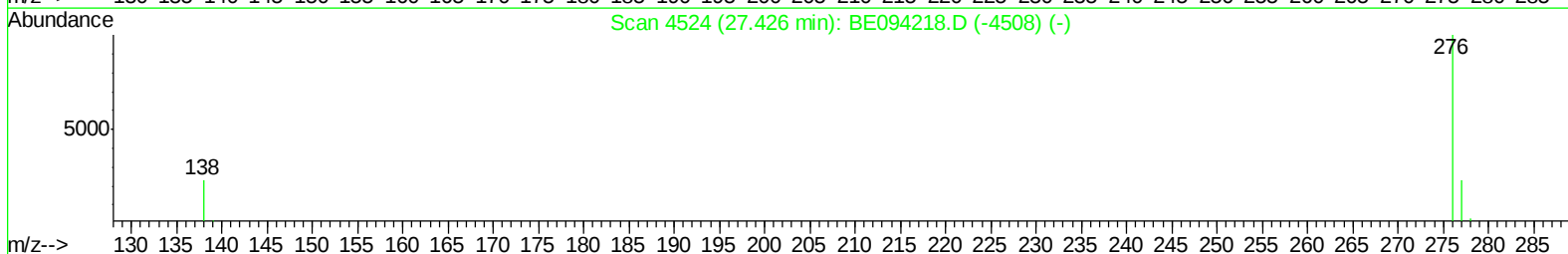
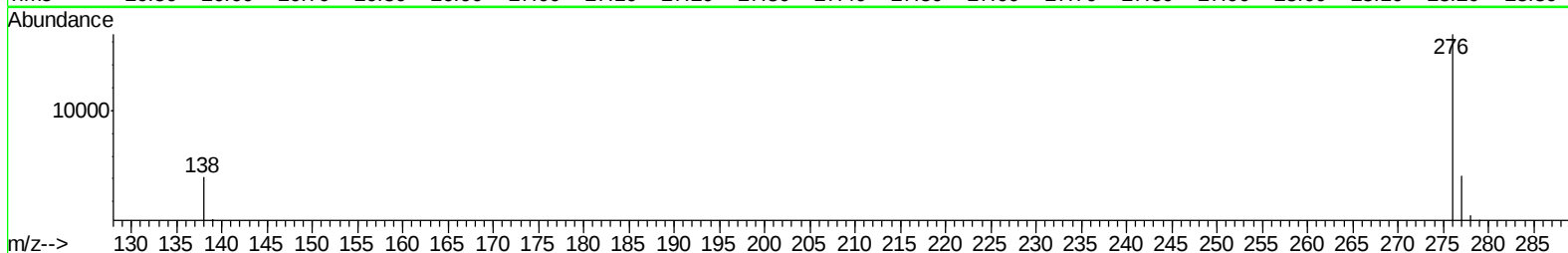
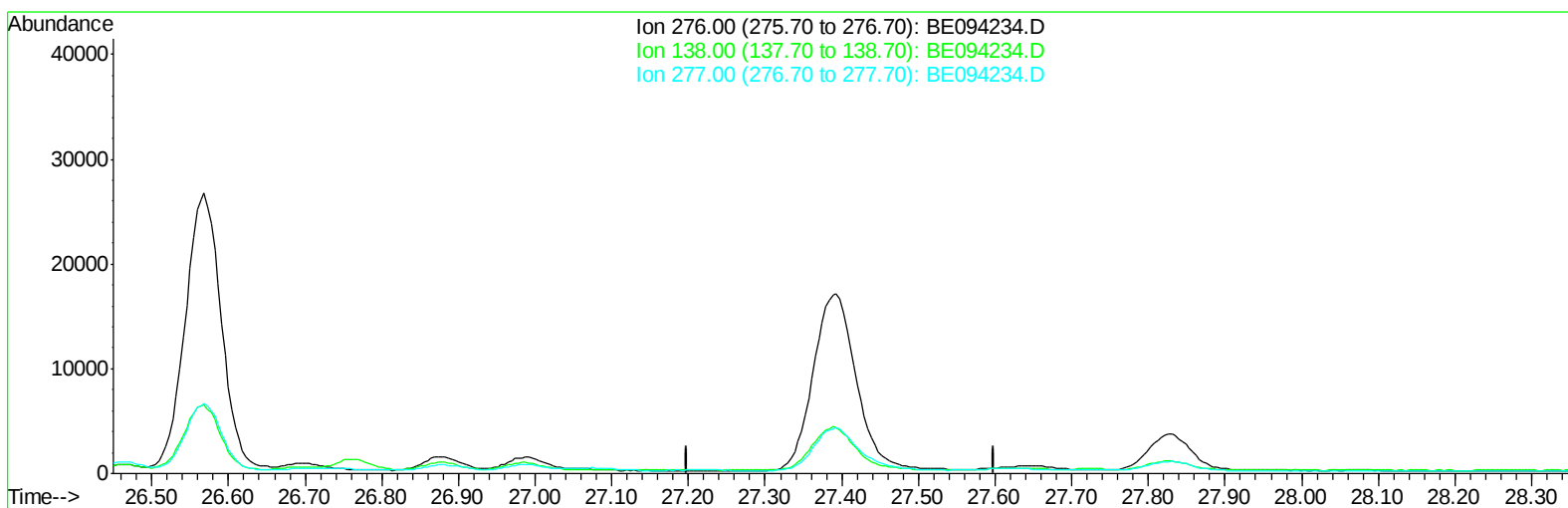
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094234.D
Acq On : 9 Oct 2017 23:17
Operator : SJ/JU
Sample : I5522-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC6

Manual Integrations
APPROVED

Sohil
10/10/2017 4:58:13 PM

Quant Time: Oct 10 09:42:24 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration



TIC: BE094234.D

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

27.399min (-27.399) 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

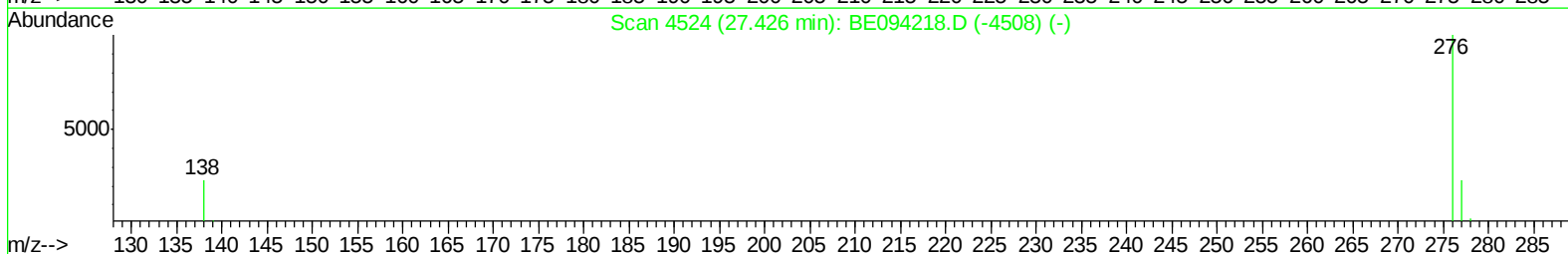
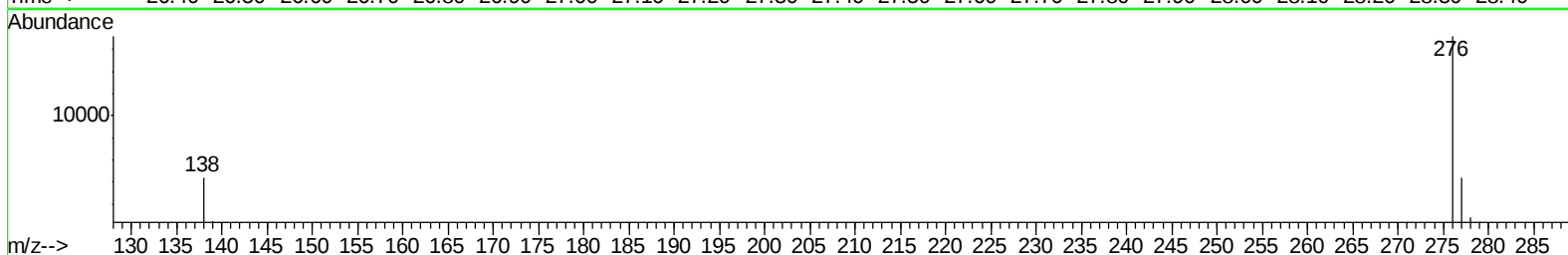
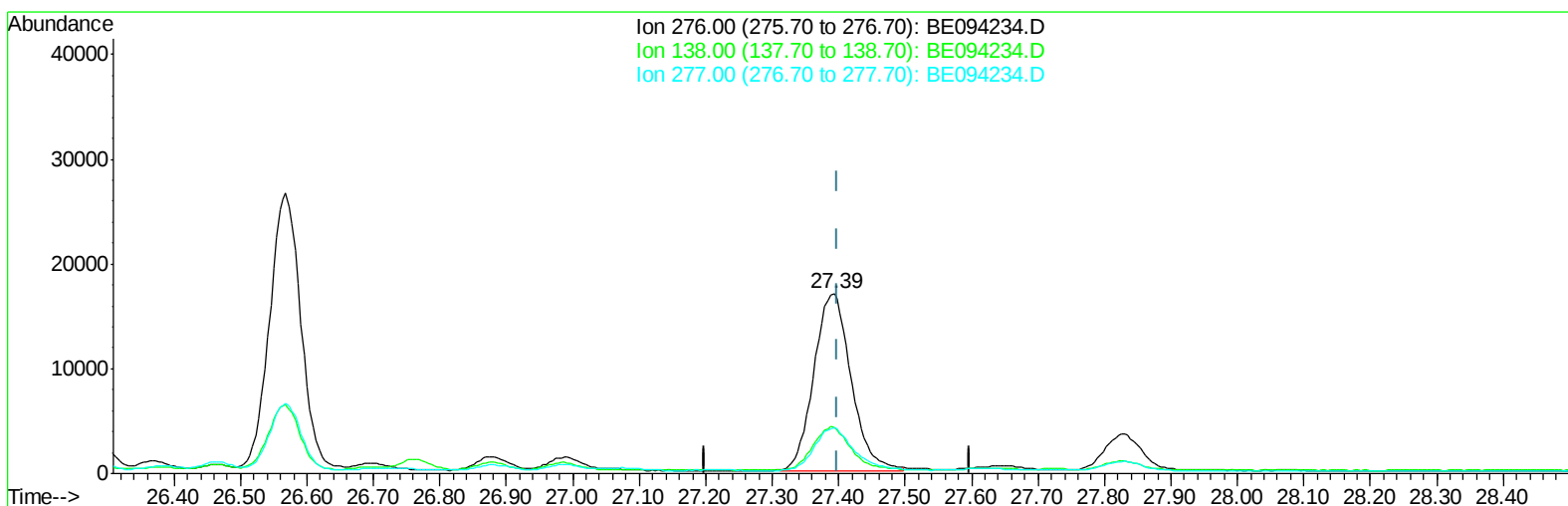
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094234.D
Acq On : 9 Oct 2017 23:17
Operator : SJ/JU
Sample : I5522-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC6

Manual Integrations
APPROVED

Sohil
10/10/2017 4:58:13 PM

Quant Time: Oct 10 09:46:34 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration



TIC: BE094234.D

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

27.393min (-0.006) 1.78ng/ul m

response 66010

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	25.50
277.00	25.60	25.40
0.00	0.00	0.00

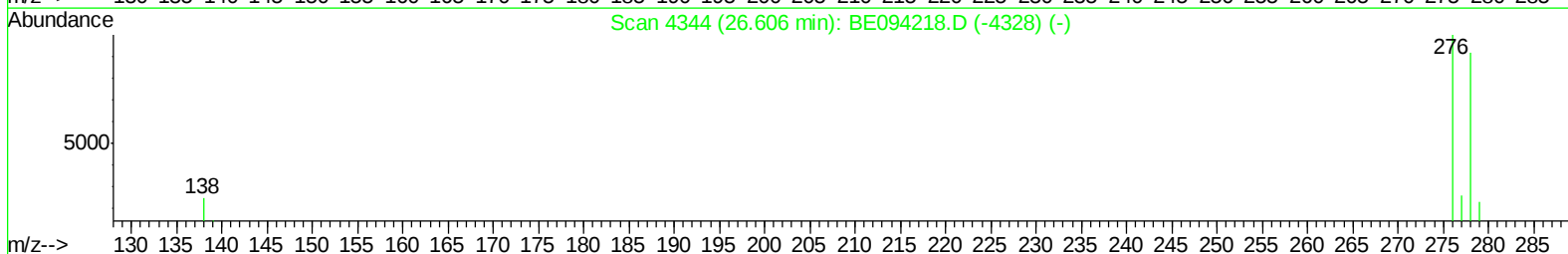
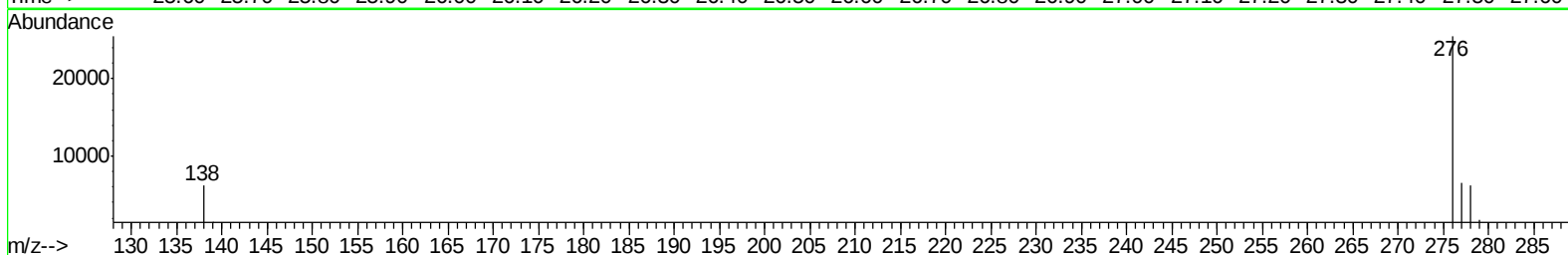
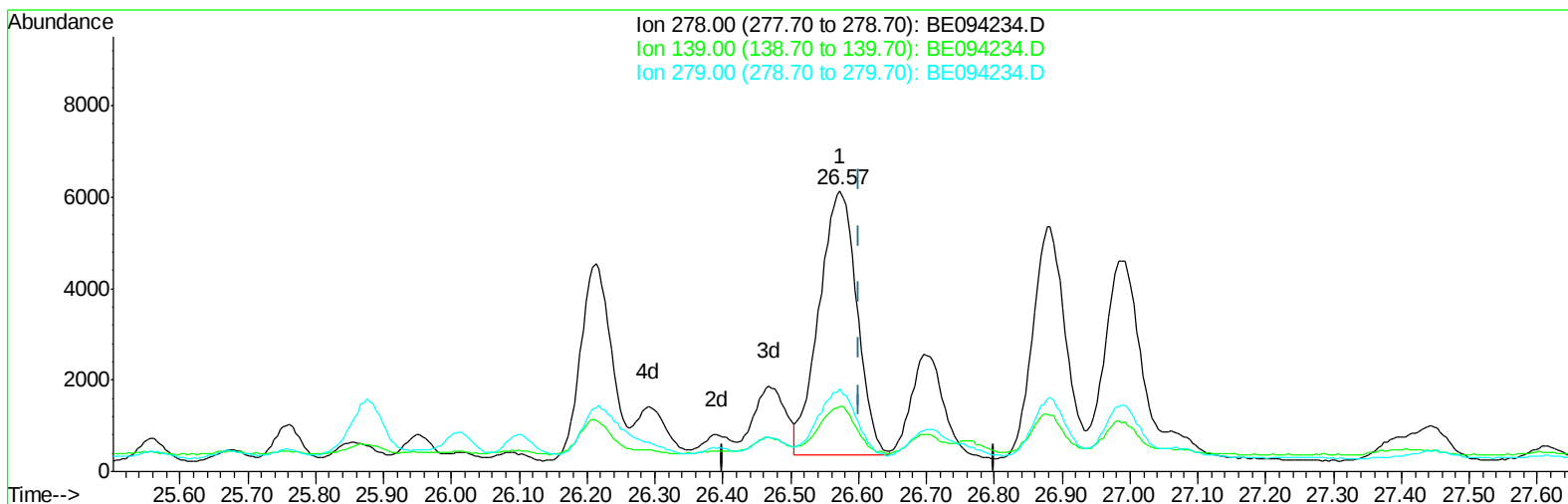
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094234.D
Acq On : 9 Oct 2017 23:17
Operator : SJ/JU
Sample : I5522-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC6

Manual Integrations
APPROVED

Sohil
10/10/2017 4:58:13 PM

Quant Time: Oct 10 09:48:27 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration



TIC: BE094234.D

(25) Dibenzo(a,h)anthracene

26.573min (-0.028) 0.62ng/ul m

response 22324

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	23.21
279.00	32.40	29.37
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
 Data File : BE094234.D
 Acq On : 9 Oct 2017 23:17
 Operator : SJ/JU
 Sample : I5522-20
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AC6

Manual Integrations
 APPROVED

Sohil
 10/10/2017 4:58:13 PM

Quant Time: Oct 10 11:12:02 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 09 04:05:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	2466	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	12748	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	7739	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.24	188	17087m	0.40	ng/ul	-0.04
16) Chrysene-d12	21.41	240	16914	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	14866m	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	5062	0.26	ng/ul	-0.02
14) Fluoranthene-d10	19.27	212	12347	0.22	ng/ul	-0.02
Target Compounds						
					Ovalue	
3) Naphthalene	10.74	128	4891	0.16	ng/ul#	94
5) 2-Methylnaphthalene	12.35	142	2598	0.13	ng/ul	98
7) Acenaphthylene	14.24	152	3418	0.11	ng/ul	96
8) Acenaphthene	14.57	153	5643	0.23	ng/ul	99
9) Fluorene	15.56	166	5989	0.21	ng/ul	95
12) Phenanthrene	17.29	178	146985	3.29	ng/ul#	92
13) Anthracene	17.38	178	35062	0.81	ng/ul#	92
15) Fluoranthene	19.30	202	343898	5.86	ng/ul	84
17) Pyrene	19.66	202	298697	6.35	ng/ul#	84
18) Benzo(a)anthracene	21.39	228	160501	3.58	ng/ul#	87
19) Chrysene	21.45	228	151667	2.93	ng/ul	99
21) Benzo(b)fluoranthene	23.15	252	195939m	4.85	ng/ul	
22) Benzo(k)fluoranthene	23.19	252	59782m	1.28	ng/ul	
23) Benzo(a)pyrene	23.81	252	131499m	3.13	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.57	276	84601m	1.97	ng/ul	
25) Dibenzo(a,h)anthracene	26.57	278	22324m	0.62	ng/ul	
26) Benzo(a,h,i)perylene	27.39	276	66010m	1.78	ng/ul	

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

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AC6

Manual Integrations
APPROVED

Sohil
10/10/2017 4:58:13 PM

Quant Time: Oct 10 11:12:02 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
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