

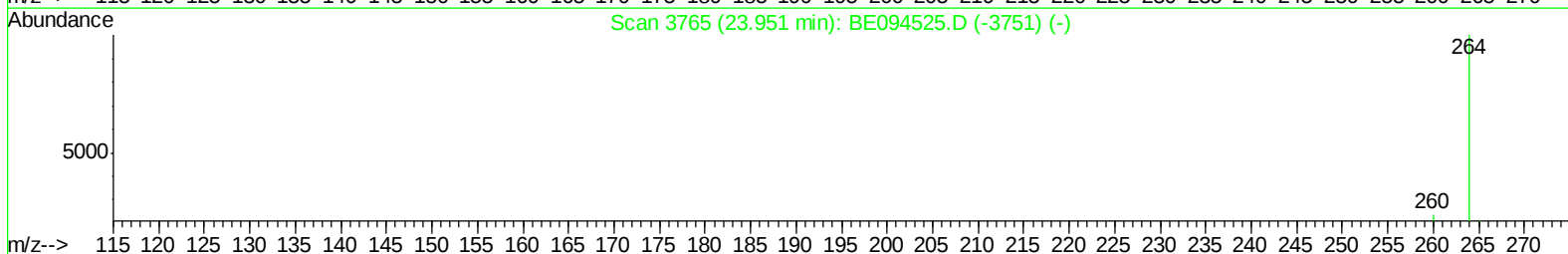
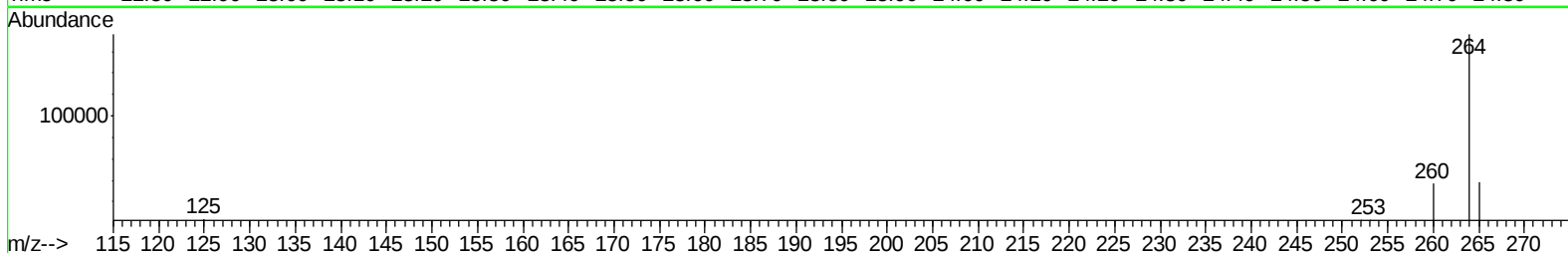
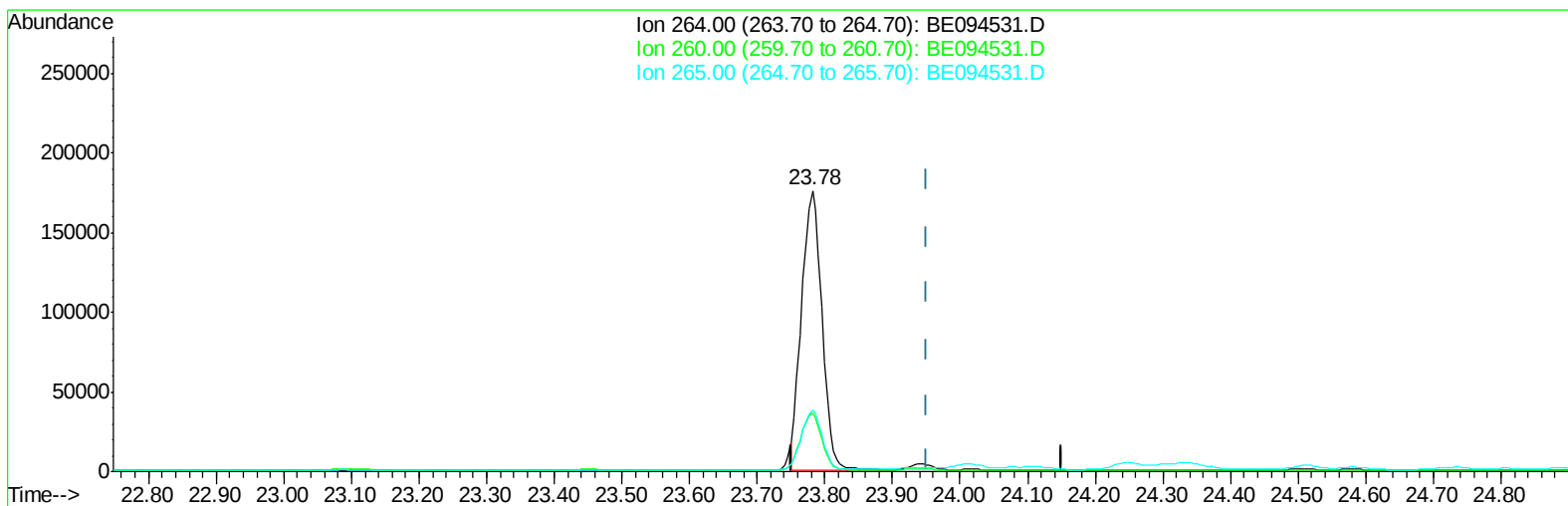
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094531.D
Acq On : 25 Oct 2017 13:47
Operator : SJ/JU
Sample : I5693-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(0.5-1.5)-100417

Manual Integrations
APPROVED

Sohil
10/27/2017 8:28:37 AM

Quant Time: Oct 25 18:37:23 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 18:37:24 2017
Response via : Initial Calibration



TIC: BE094531.D

(20) Perylene-d12 (I)

23.782min (-0.169) 0.40ng/ul

response 366907

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	20.85#
265.00	103.50	21.76#
0.00	0.00	0.00

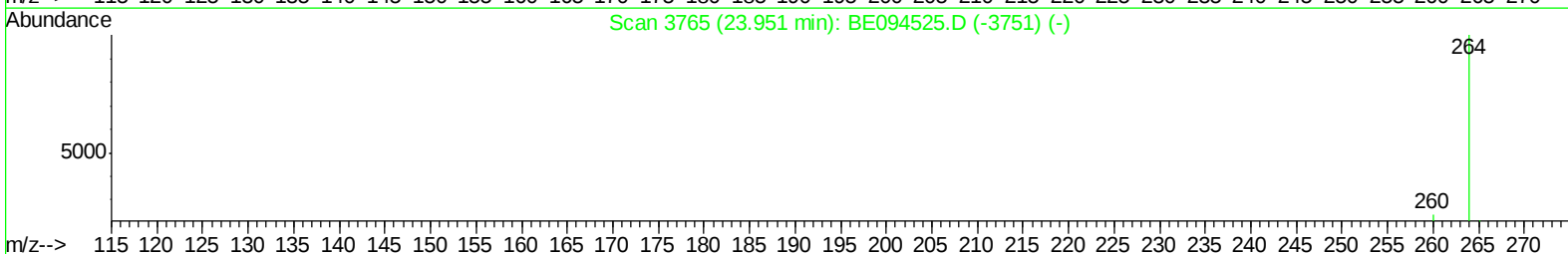
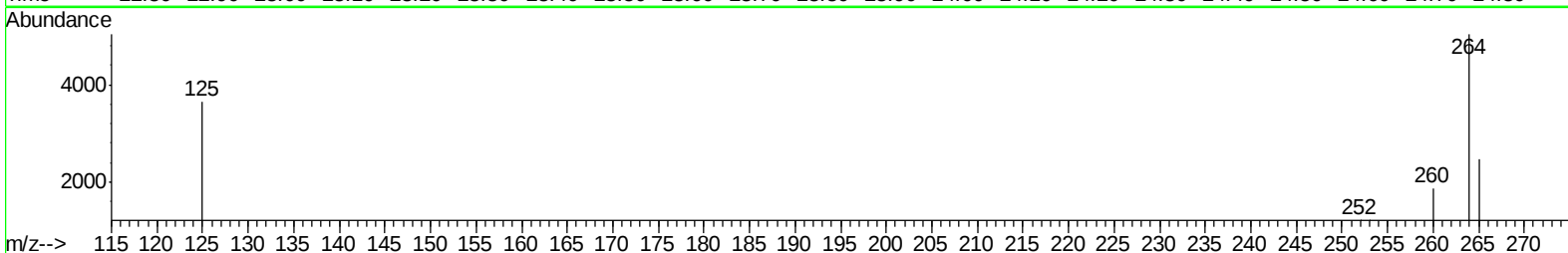
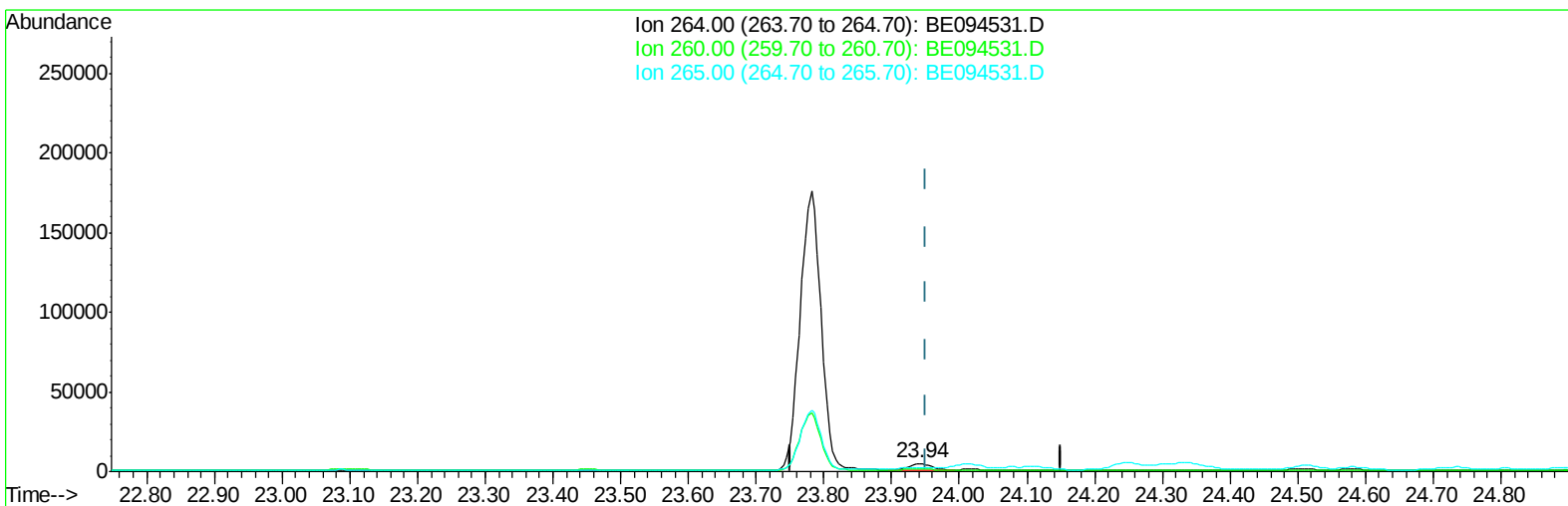
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094531.D
Acq On : 25 Oct 2017 13:47
Operator : SJ/JU
Sample : I5693-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(0.5-1.5)-100417

Manual Integrations
APPROVED

Sohil
10/27/2017 8:28:37 AM

Quant Time: Oct 25 18:37:23 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 18:37:24 2017
Response via : Initial Calibration



TIC: BE094531.D

(20) Perylene-d12 (I)

23.941min (-0.010) 0.40ng/ul m

response 8689

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	37.30#
265.00	103.50	49.10#
0.00	0.00	0.00

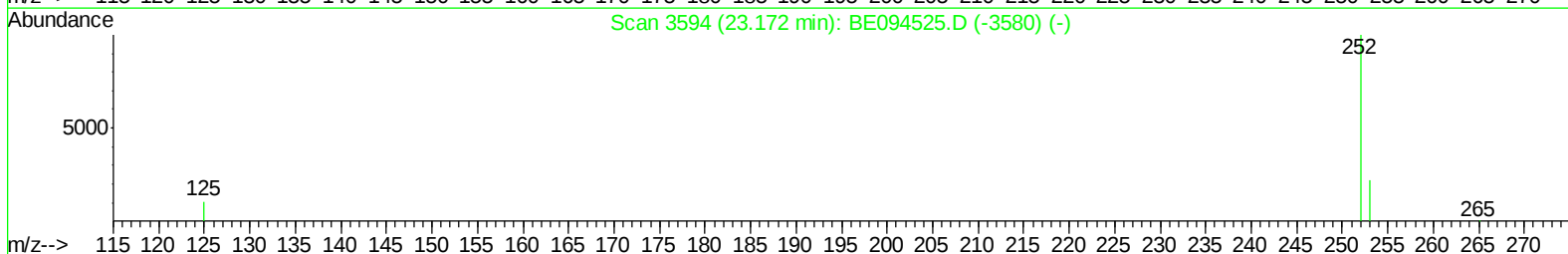
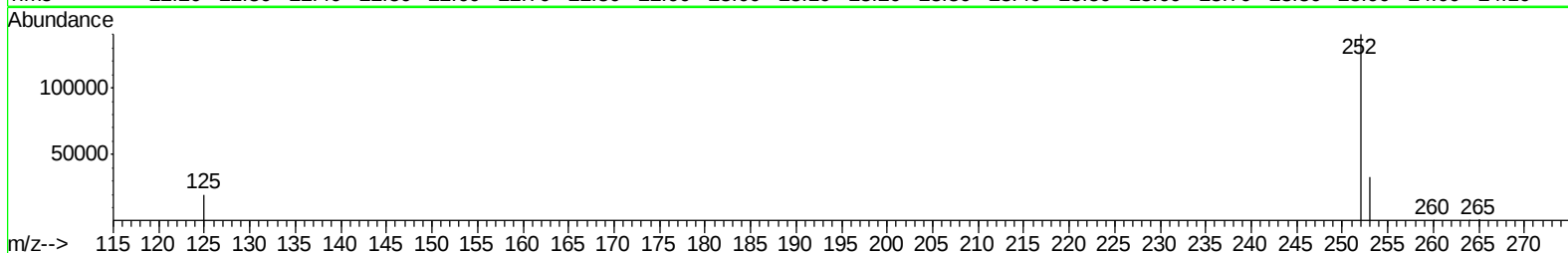
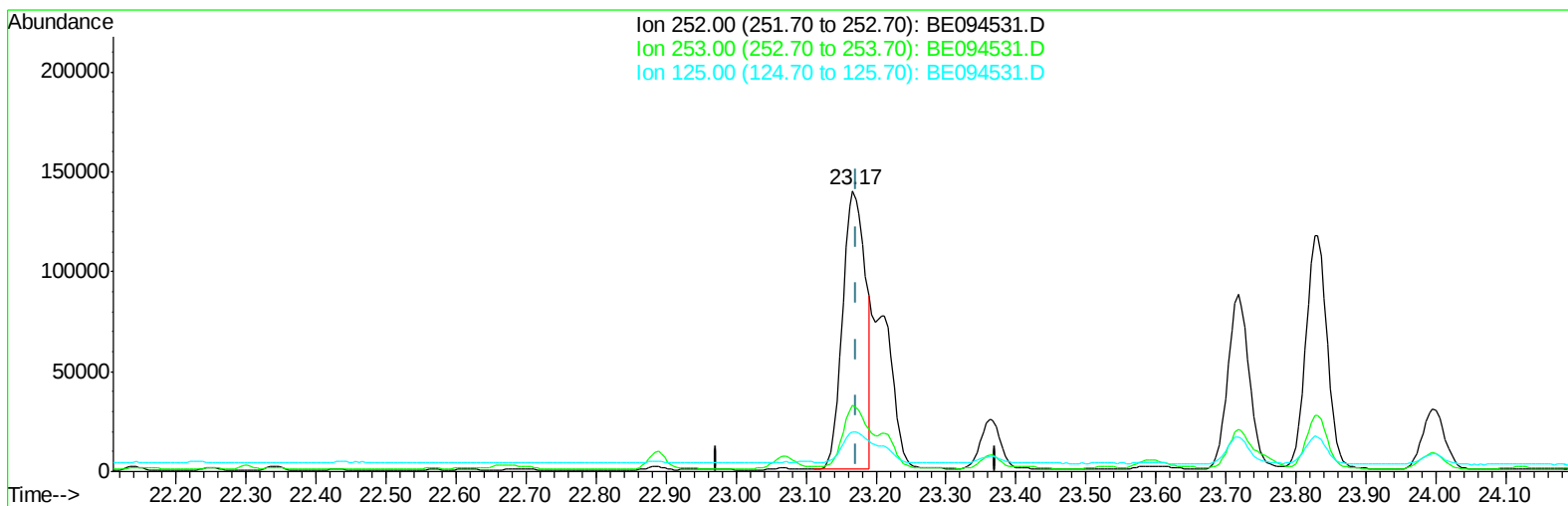
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094531.D
Acq On : 25 Oct 2017 13:47
Operator : SJ/JU
Sample : I5693-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(0.5-1.5)-100417

Manual Integrations
APPROVED

Sohil
10/27/2017 8:28:37 AM

Quant Time: Oct 25 18:38:17 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 18:37:24 2017
Response via : Initial Calibration



TIC: BE094531.D

(21) Benzo(b)fluoranthene

23.167min (-0.005) 12.82ng/ul

response 313391

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.45
125.00	17.50	14.14
0.00	0.00	0.00

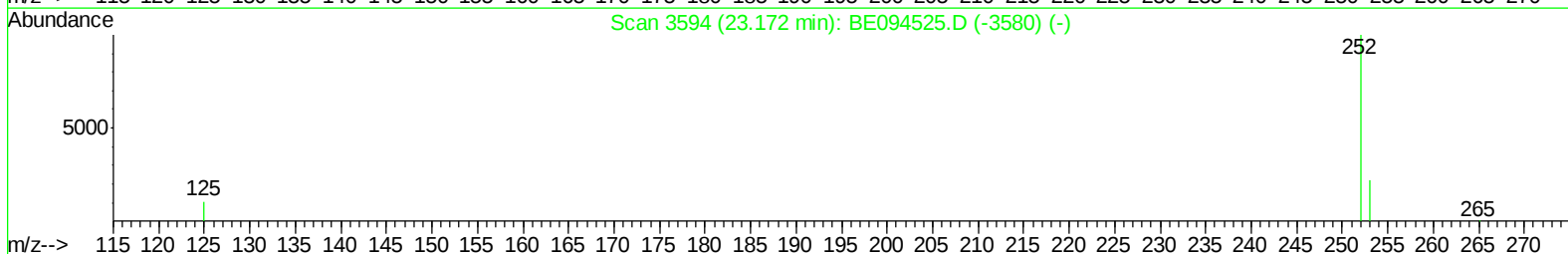
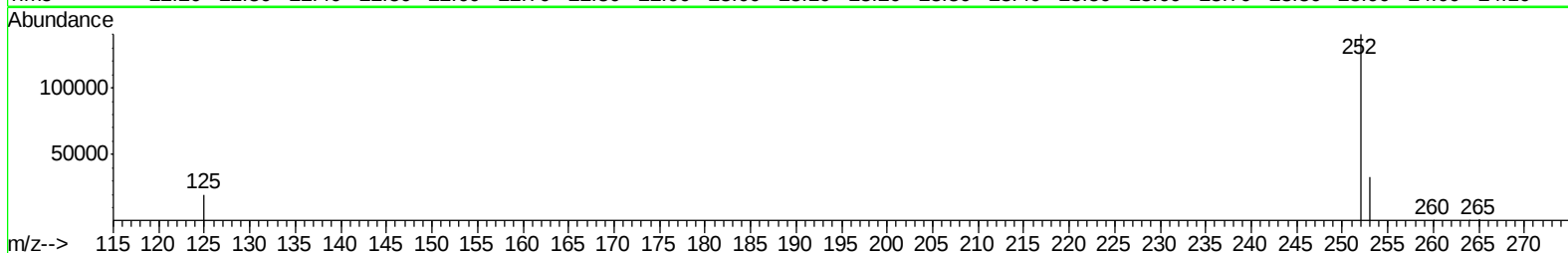
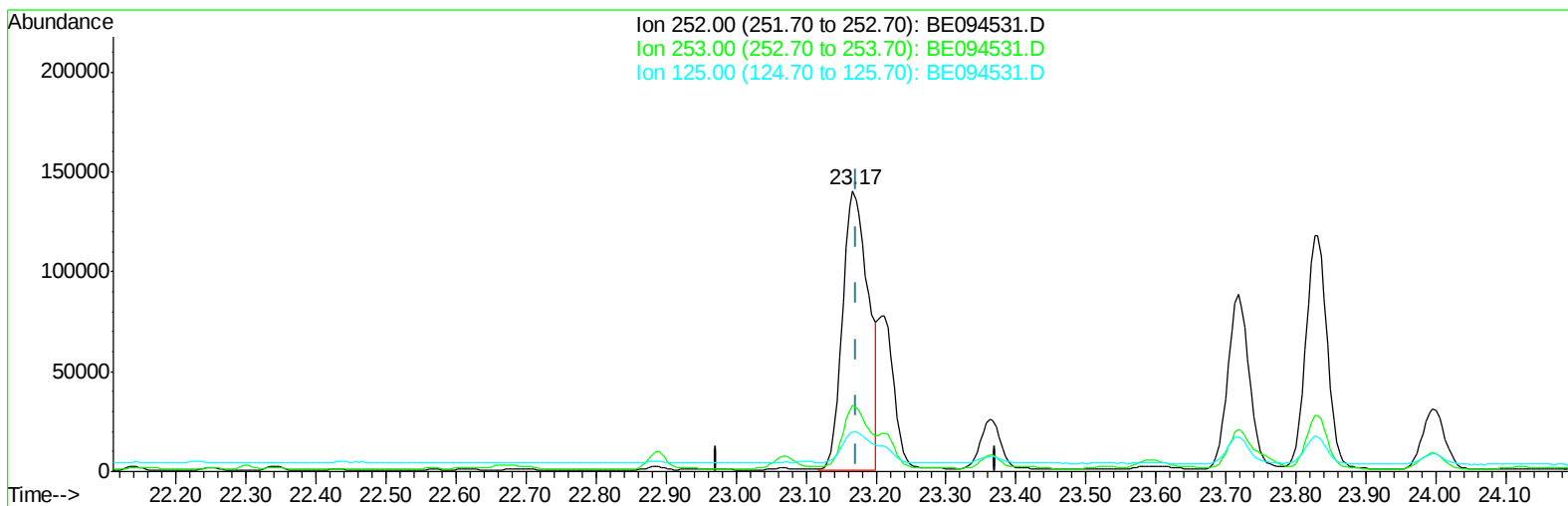
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094531.D
Acq On : 25 Oct 2017 13:47
Operator : SJ/JU
Sample : I5693-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(0.5-1.5)-100417

Manual Integrations
APPROVED

Sohil
10/27/2017 8:28:37 AM

Quant Time: Oct 25 18:38:17 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 18:37:24 2017
Response via : Initial Calibration



TIC: BE094531.D

(21) Benzo(b)fluoranthene

23.167min (-0.005) 14.56ng/ul m

response 355839

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.45
125.00	17.50	14.14
0.00	0.00	0.00

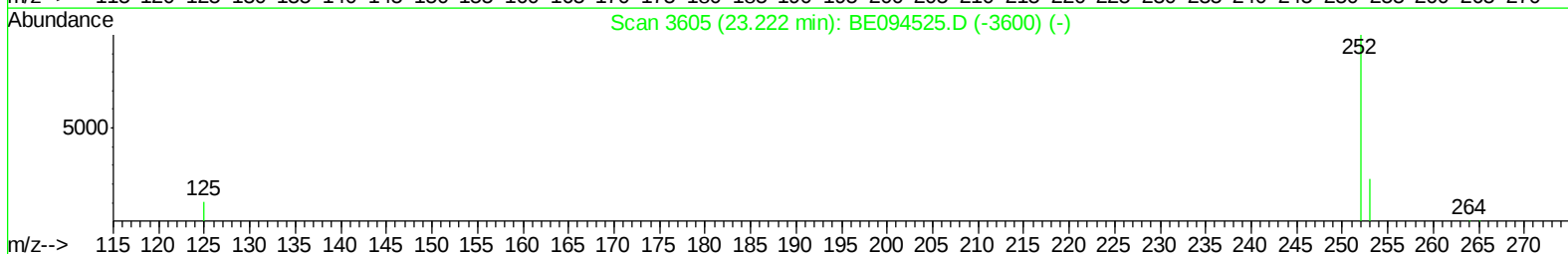
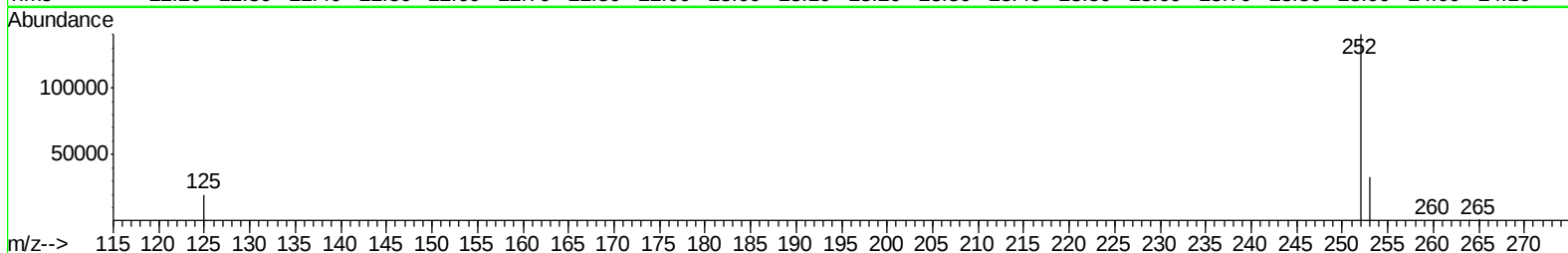
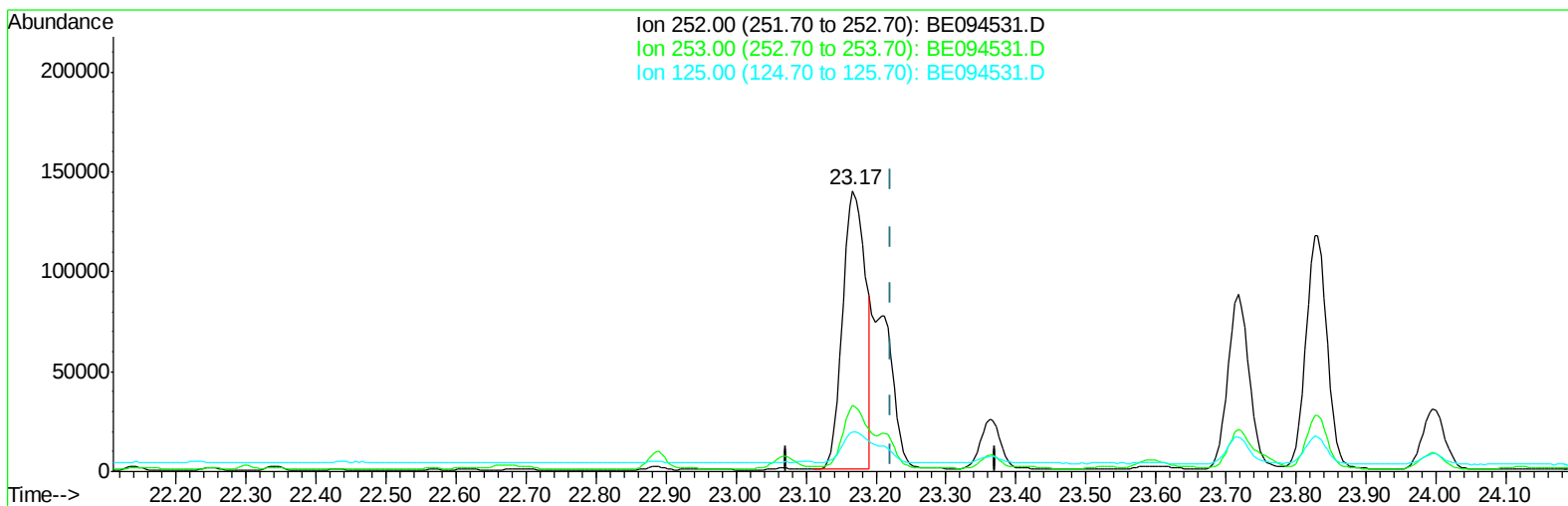
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094531.D
Acq On : 25 Oct 2017 13:47
Operator : SJ/JU
Sample : I5693-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(0.5-1.5)-100417

Manual Integrations
APPROVED

Sohil
10/27/2017 8:28:37 AM

Quant Time: Oct 25 18:38:17 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 18:37:24 2017
Response via : Initial Calibration



TIC: BE094531.D

(22) Benzo(k)fluoranthene

23.167min (-0.055) 11.96ng/ul

response 313391

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.45#
125.00	17.10	14.14
0.00	0.00	0.00

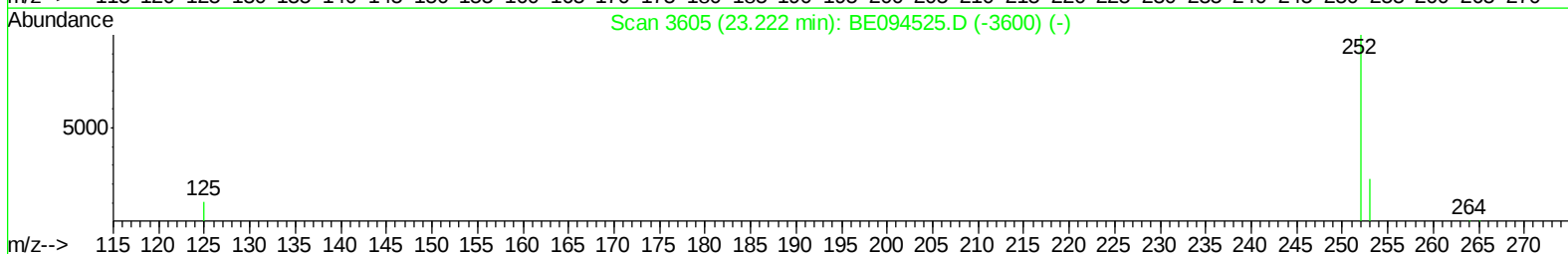
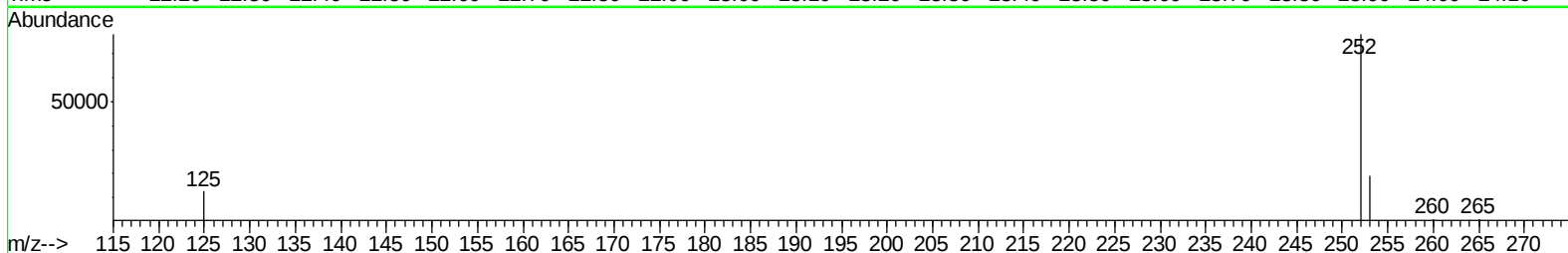
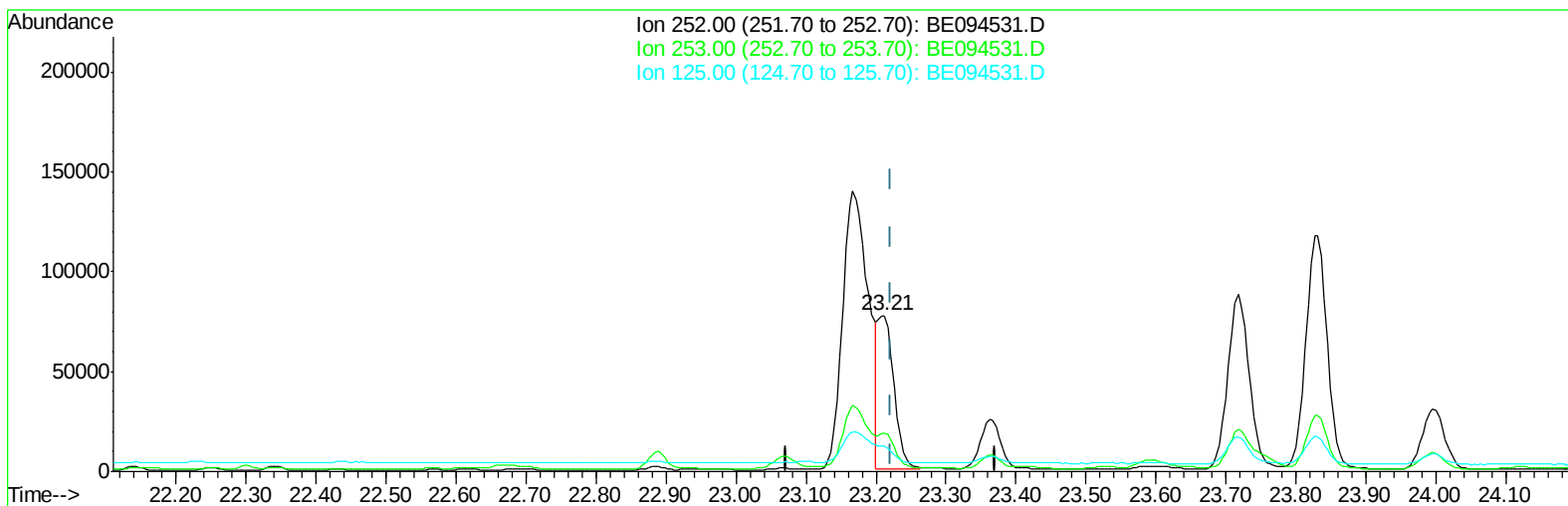
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Data File : BE094531.D
Acq On : 25 Oct 2017 13:47
Operator : SJ/JU
Sample : I5693-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(0.5-1.5)-100417

Manual Integrations
APPROVED

Sohil
10/27/2017 8:28:37 AM

Quant Time: Oct 25 18:38:17 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 18:37:24 2017
Response via : Initial Calibration



TIC: BE094531.D

(22) Benzo(k)fluoranthene

23.212min (-0.010) 4.74ng/ul m

response 124245

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	24.68
125.00	17.10	15.99
0.00	0.00	0.00

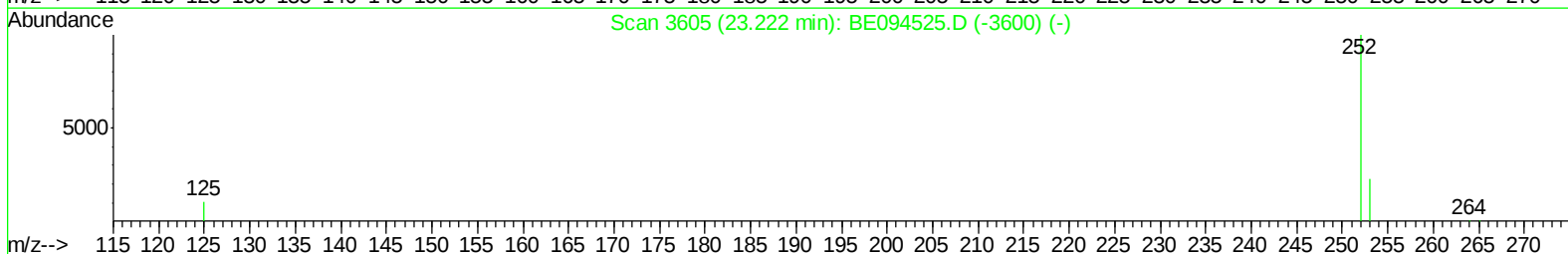
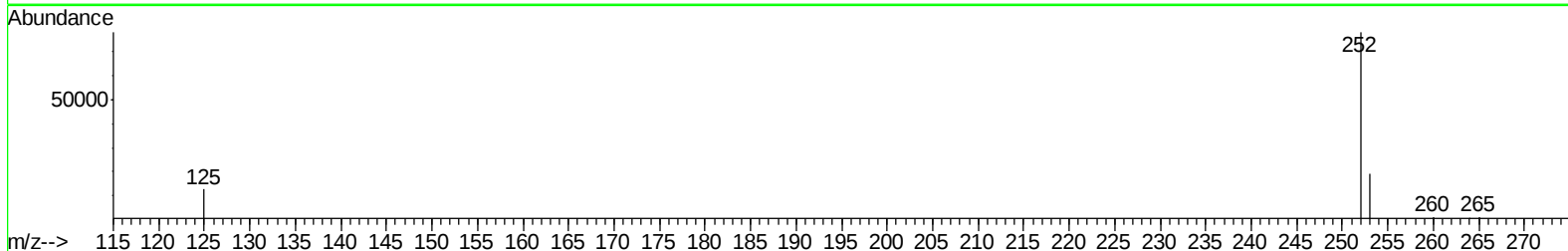
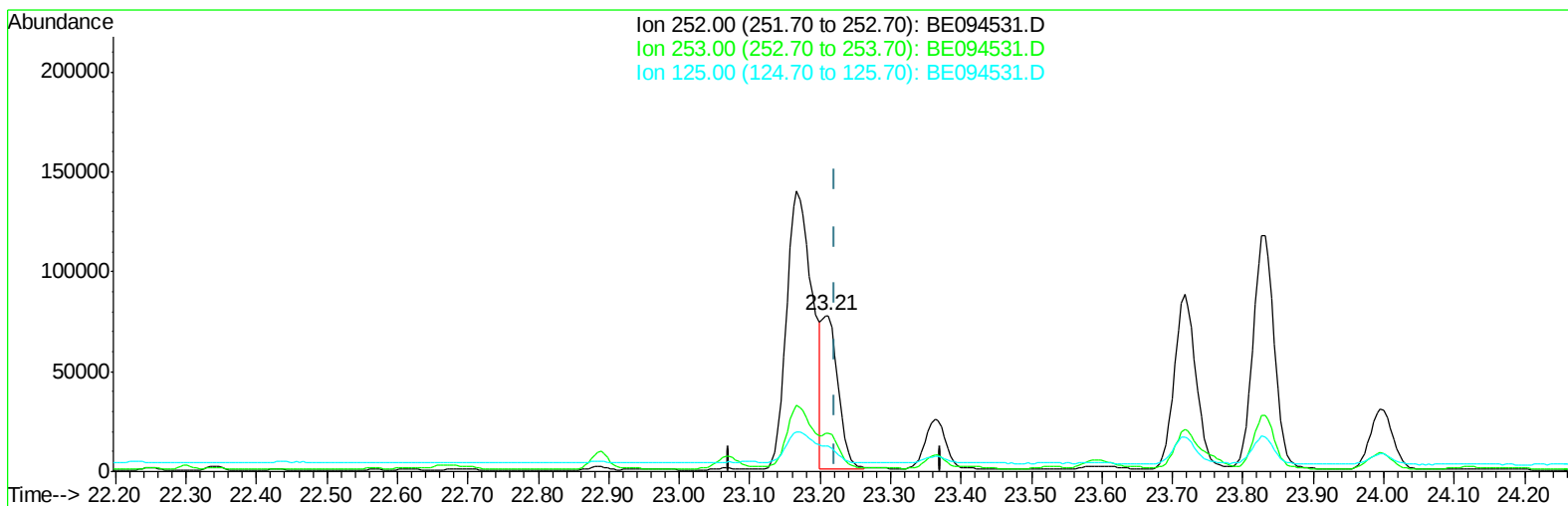
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094531.D
Acq On : 25 Oct 2017 13:47
Operator : SJ/JU
Sample : I5693-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(0.5-1.5)-100417

Manual Integrations
APPROVED

Sohil
10/27/2017 8:28:37 AM

Quant Time: Oct 25 18:38:17 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 18:37:24 2017
Response via : Initial Calibration



TIC: BE094531.D

(22) Benzo(k)fluoranthene

23.212min (-0.010) 4.74ng/ul m

response 124245

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	24.68
125.00	17.10	15.99
0.00	0.00	0.00

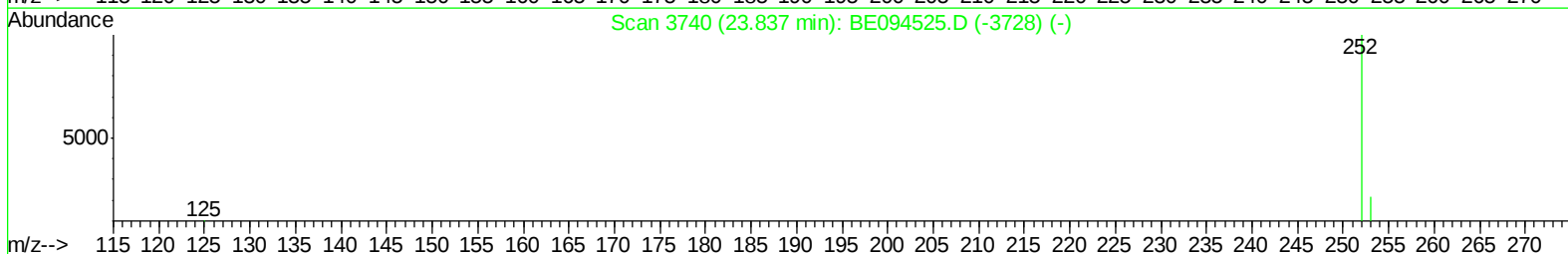
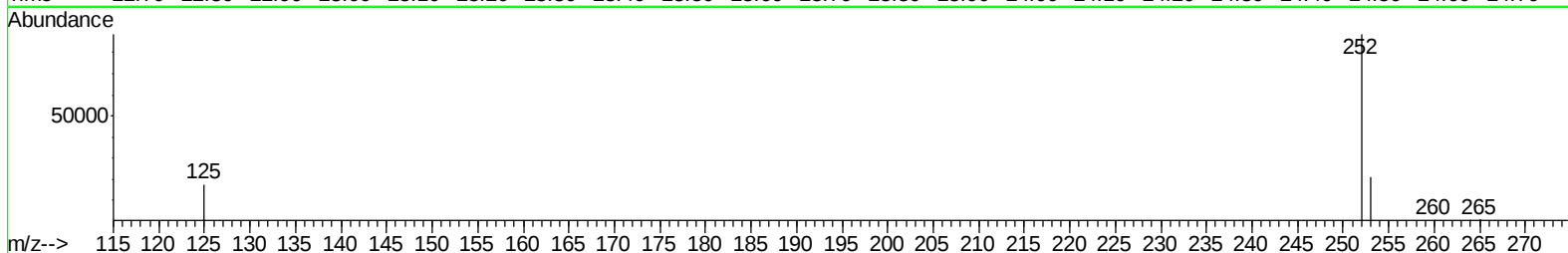
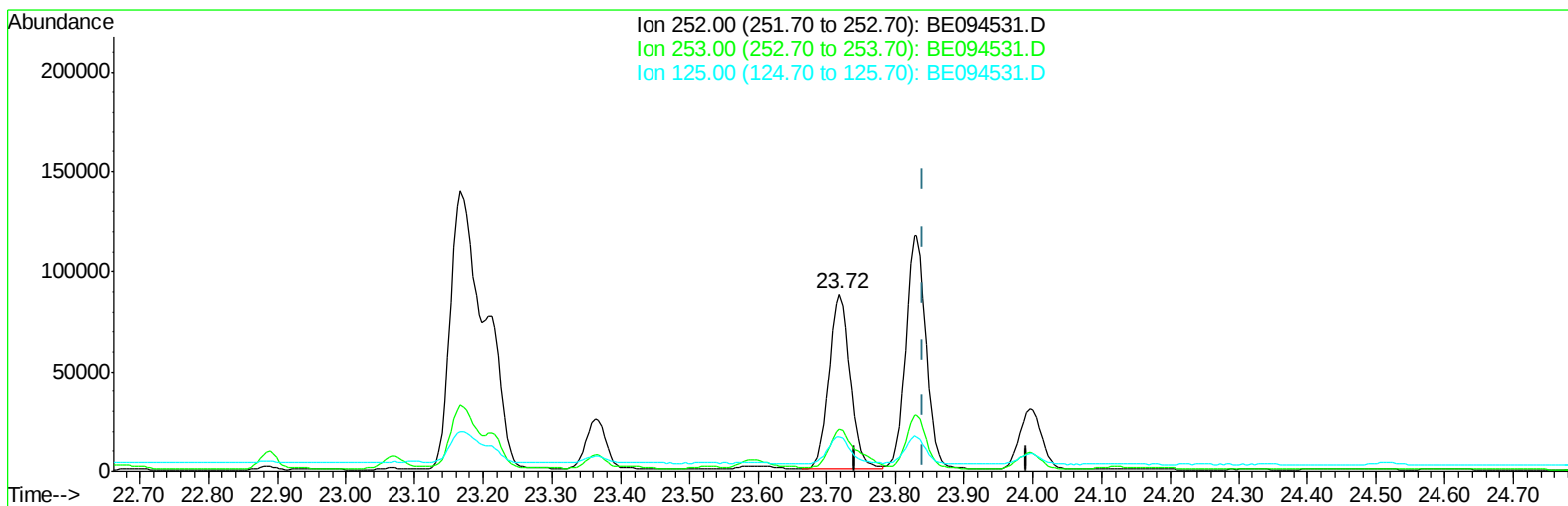
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094531.D
Acq On : 25 Oct 2017 13:47
Operator : SJ/JU
Sample : I5693-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(0.5-1.5)-100417

Manual Integrations
APPROVED

Sohil
10/27/2017 8:28:37 AM

Quant Time: Oct 25 18:38:17 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 18:37:24 2017
Response via : Initial Calibration



TIC: BE094531.D

(23) Benzo(a)pyrene (C)

23.718min (-0.123) 7.74ng/ul

response 189018

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	23.48#
125.00	22.60	19.71
0.00	0.00	0.00

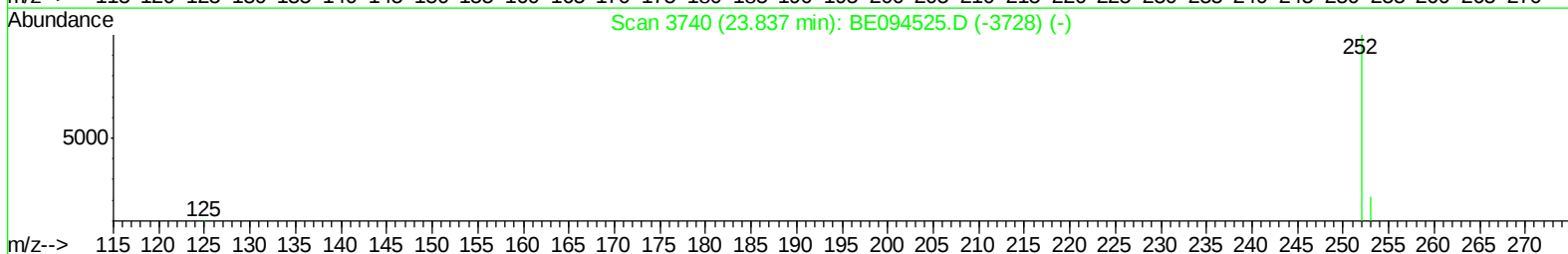
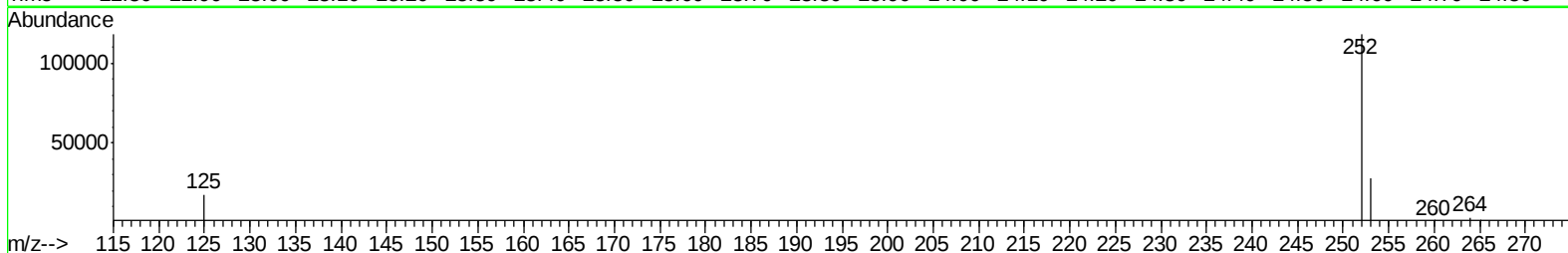
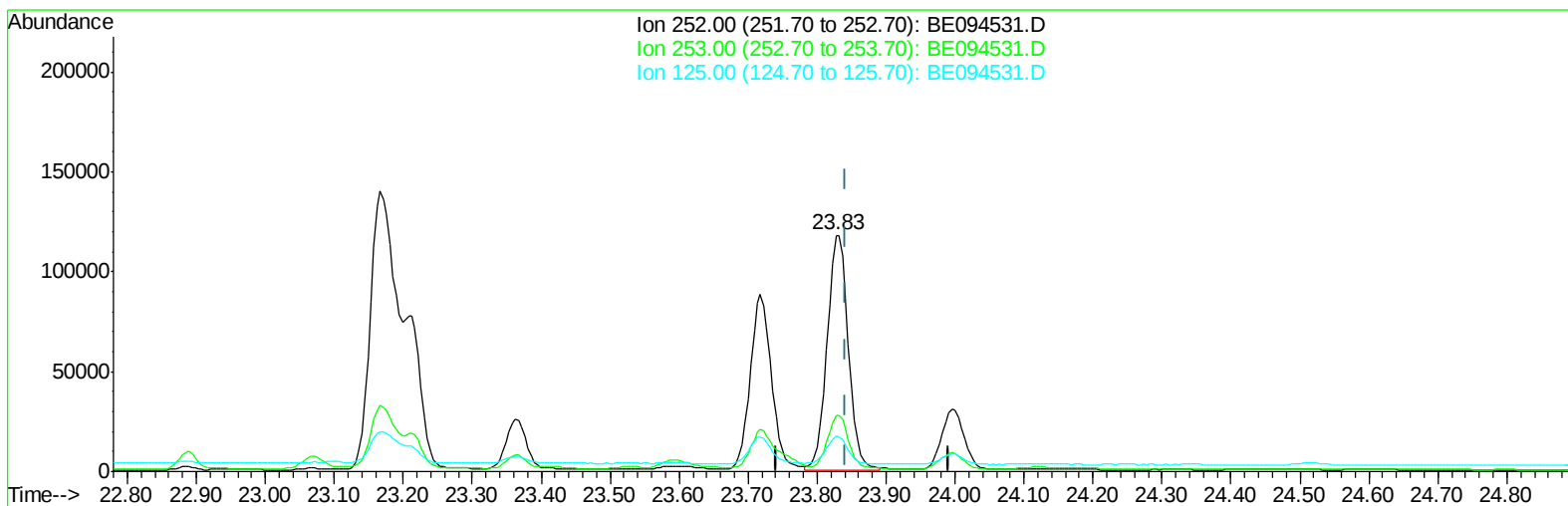
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094531.D
Acq On : 25 Oct 2017 13:47
Operator : SJ/JU
Sample : I5693-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(0.5-1.5)-100417

Manual Integrations
APPROVED

Sohil
10/27/2017 8:28:37 AM

Quant Time: Oct 25 18:38:17 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 18:37:24 2017
Response via : Initial Calibration



TIC: BE094531.D

(23) Benzo(a)pyrene (C)

23.827min (-0.014) 10.31ng/ul m

response 251825

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	23.59#
125.00	22.60	14.96#
0.00	0.00	0.00

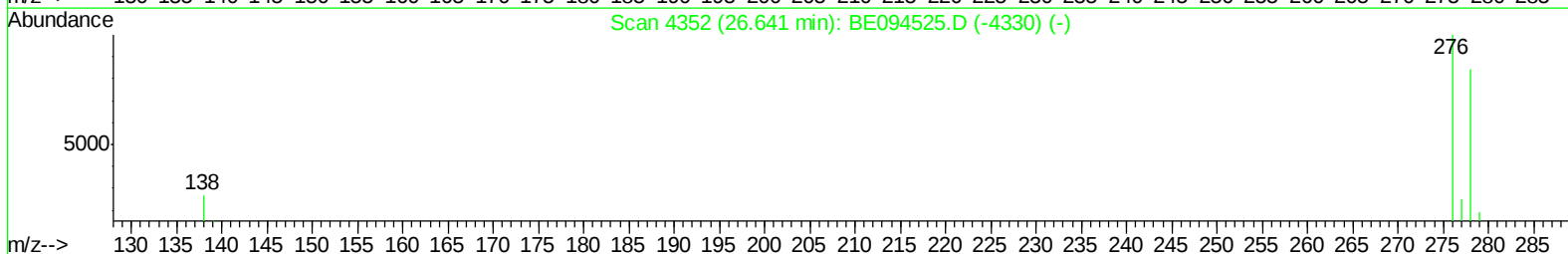
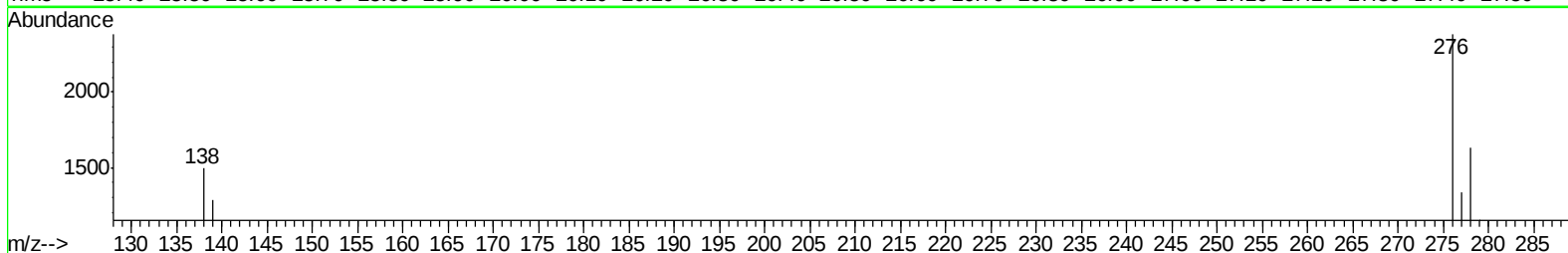
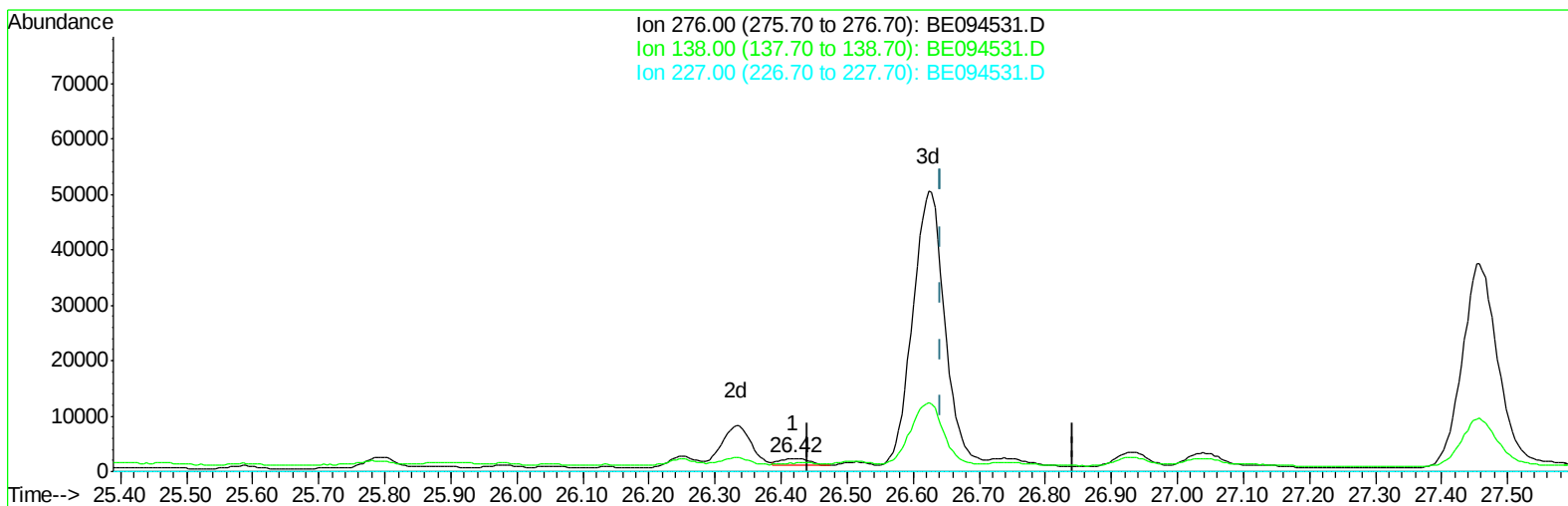
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094531.D
Acq On : 25 Oct 2017 13:47
Operator : SJ/JU
Sample : I5693-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(0.5-1.5)-100417

Manual Integrations
APPROVED

Sohil
10/27/2017 8:28:37 AM

Quant Time: Oct 25 18:38:17 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 18:37:24 2017
Response via : Initial Calibration



TIC: BE094531.D

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

26.419min (-0.223) 0.16ng/ul

response 4005

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	26.49#
227.00	10.00	0.00#
0.00	0.00	0.00

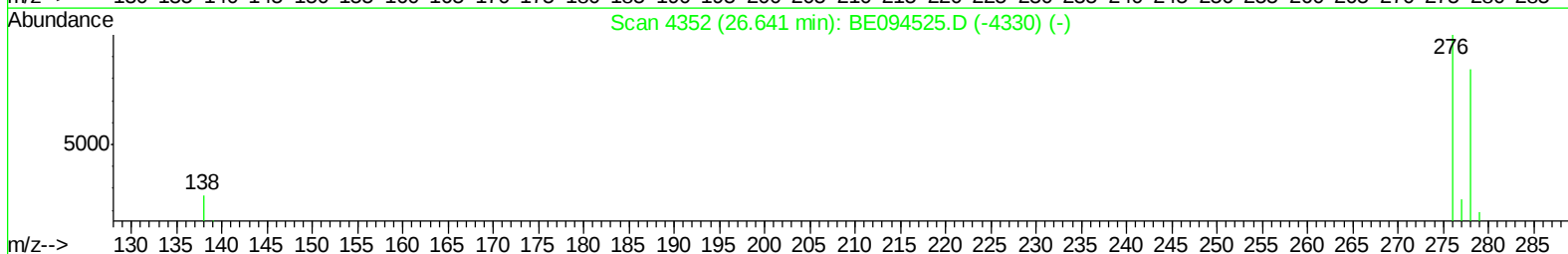
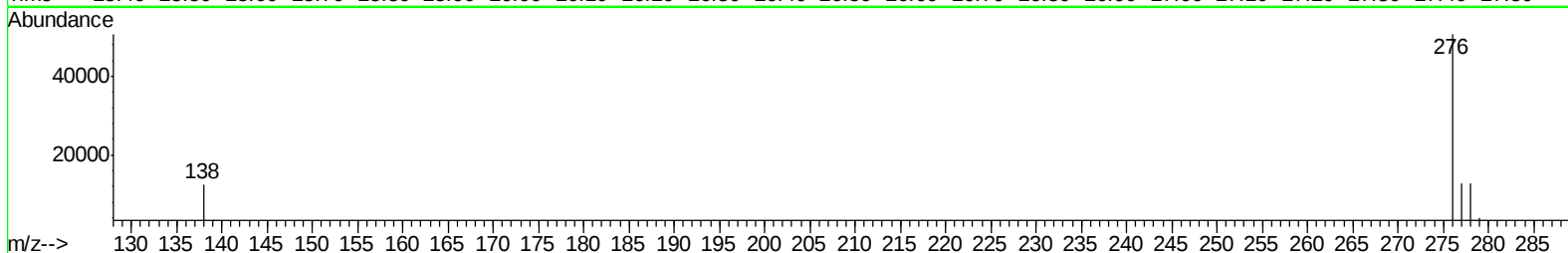
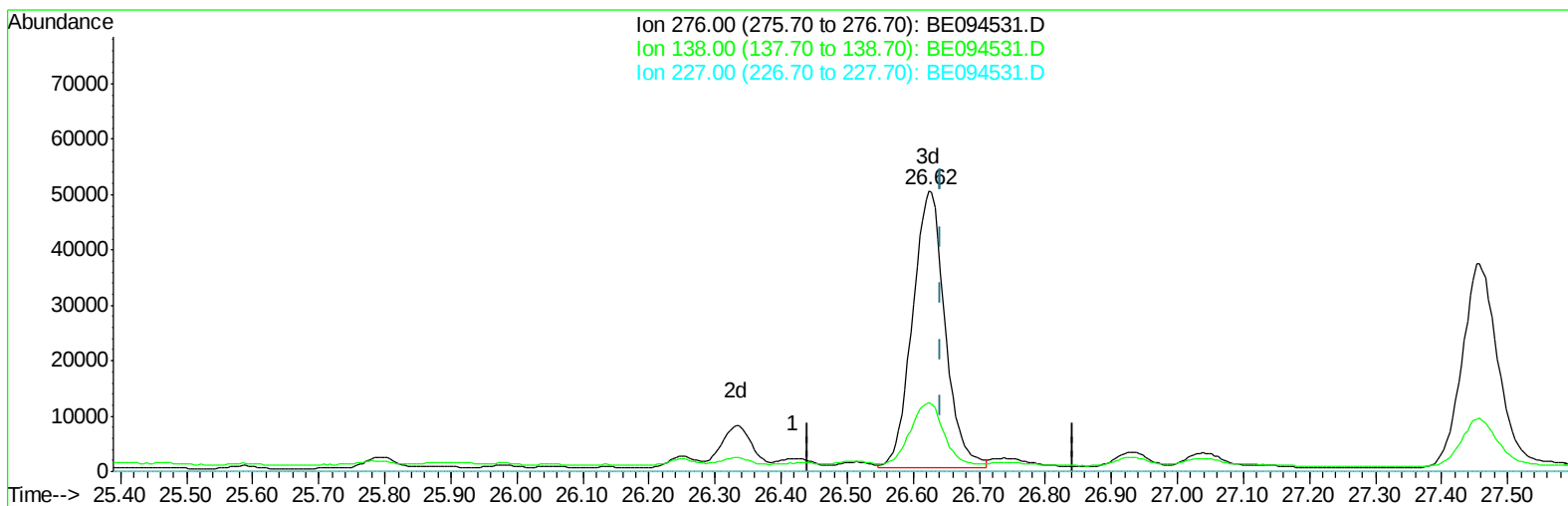
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094531.D
Acq On : 25 Oct 2017 13:47
Operator : SJ/JU
Sample : I5693-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(0.5-1.5)-100417

Manual Integrations
APPROVED

Sohil
10/27/2017 8:28:37 AM

Quant Time: Oct 25 18:38:17 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 18:37:24 2017
Response via : Initial Calibration



TIC: BE094531.D

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

26.624min (-0.018) 6.81ng/ul m

response 172185

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	0.62#
227.00	10.00	0.00#
0.00	0.00	0.00

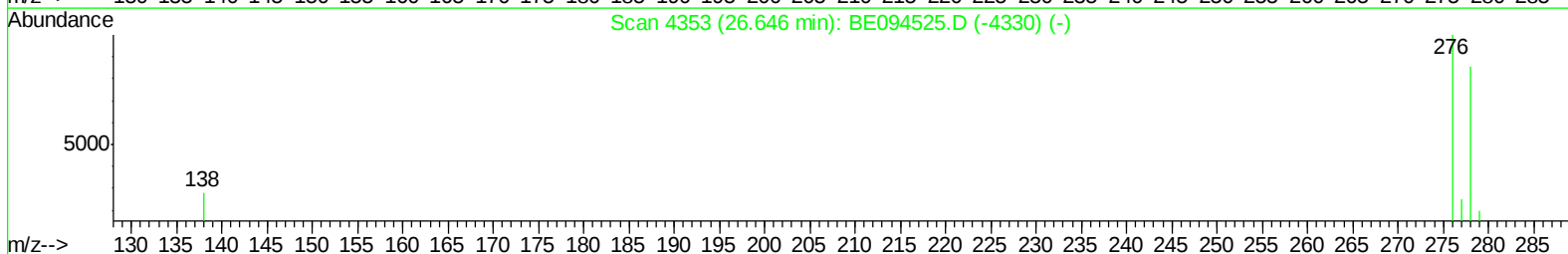
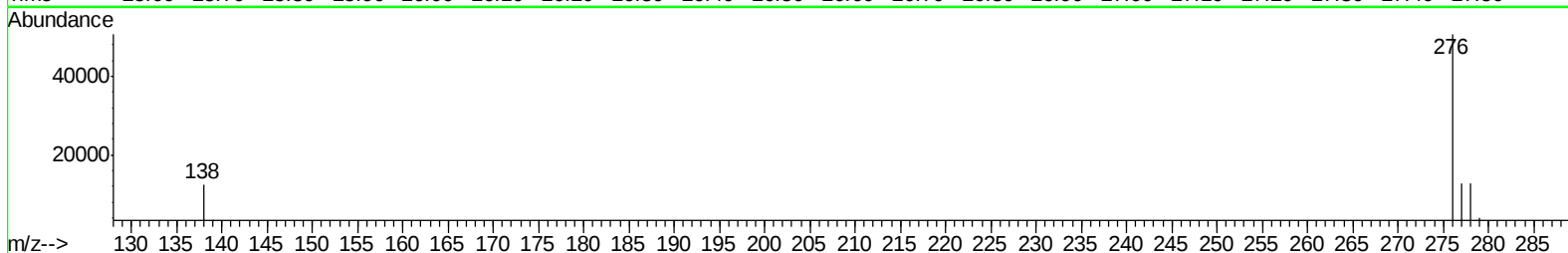
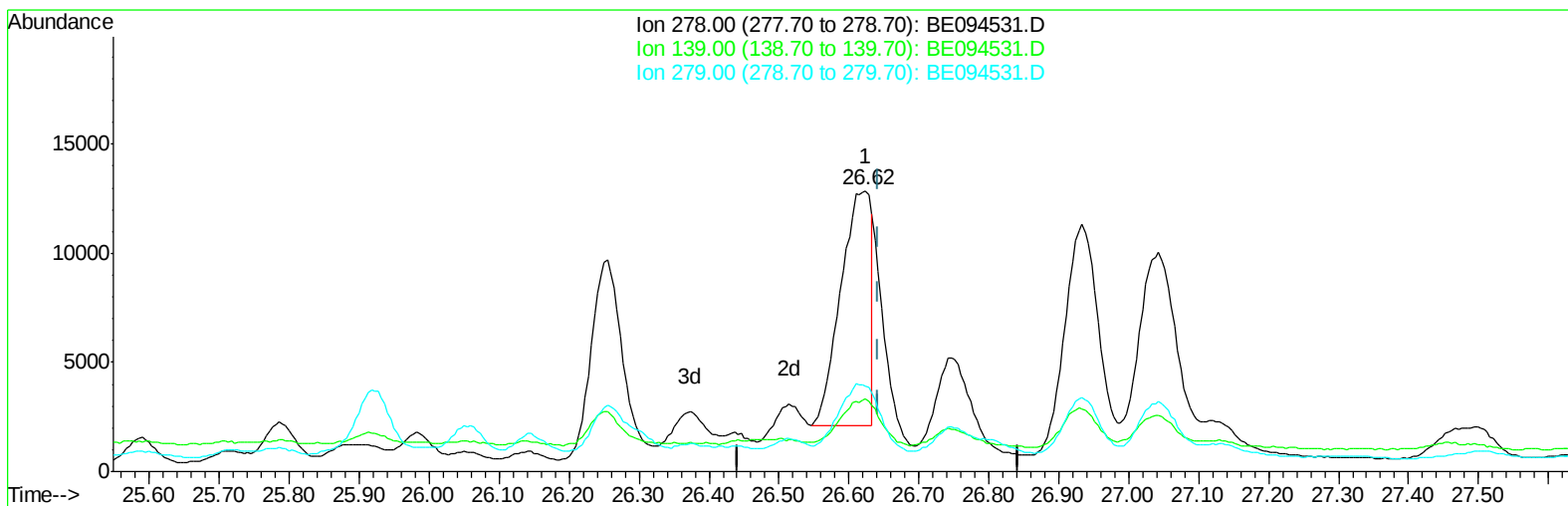
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094531.D
Acq On : 25 Oct 2017 13:47
Operator : SJ/JU
Sample : I5693-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(0.5-1.5)-100417

Manual Integrations
APPROVED

Sohil
10/27/2017 8:28:37 AM

Quant Time: Oct 25 18:38:17 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 18:37:24 2017
Response via : Initial Calibration



TIC: BE094531.D

(25) Dibenzo(a,h)anthracene

26.624min (-0.018) 1.53ng/ul

response 32545

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	25.79
279.00	32.40	30.39
0.00	0.00	0.00

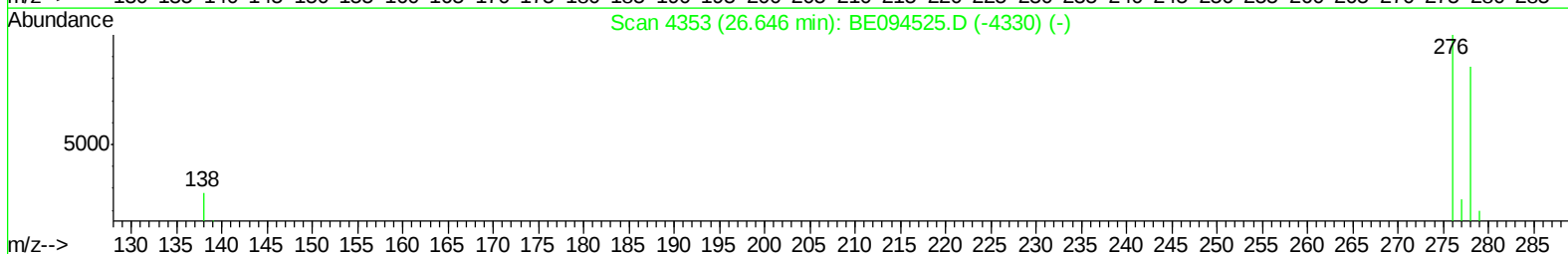
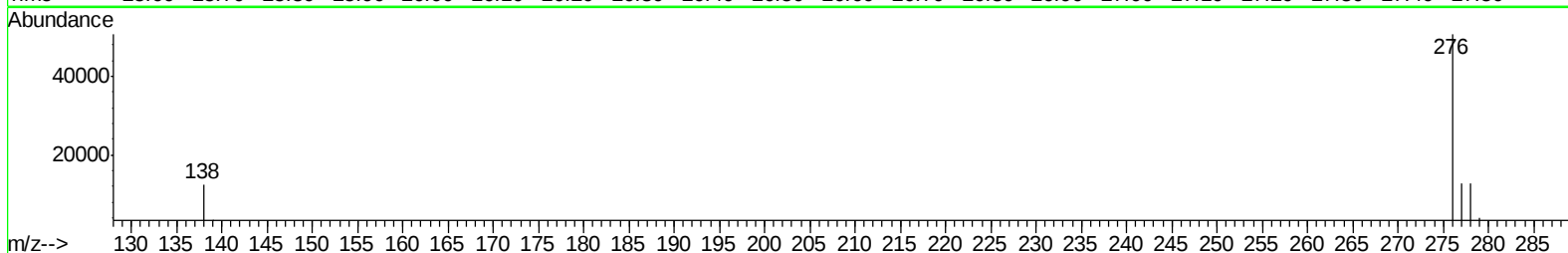
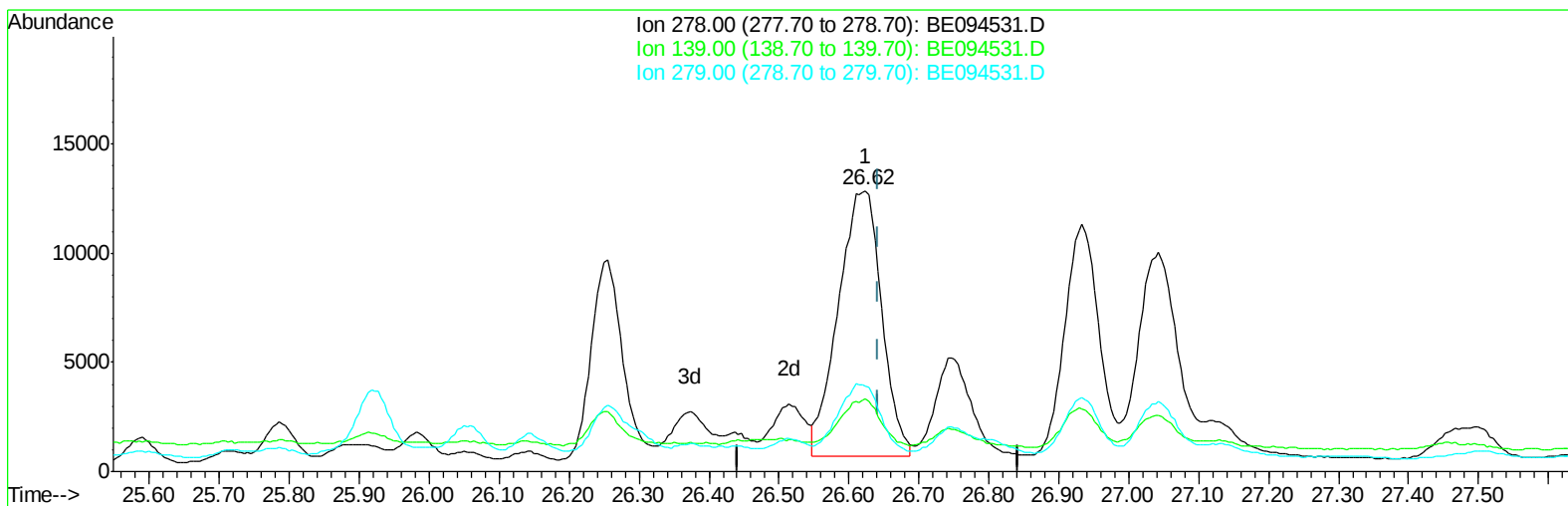
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094531.D
Acq On : 25 Oct 2017 13:47
Operator : SJ/JU
Sample : I5693-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(0.5-1.5)-100417

Manual Integrations
APPROVED

Sohil
10/27/2017 8:28:37 AM

Quant Time: Oct 25 18:38:17 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 18:37:24 2017
Response via : Initial Calibration



TIC: BE094531.D

(25) Dibenzo(a,h)anthracene

26.624min (-0.018) 2.47ng/ul m

response 52560

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	25.79
279.00	32.40	30.39
0.00	0.00	0.00

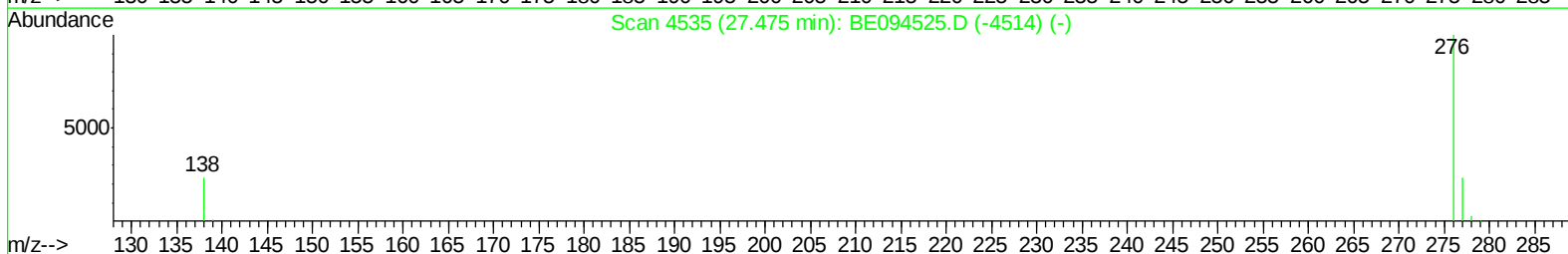
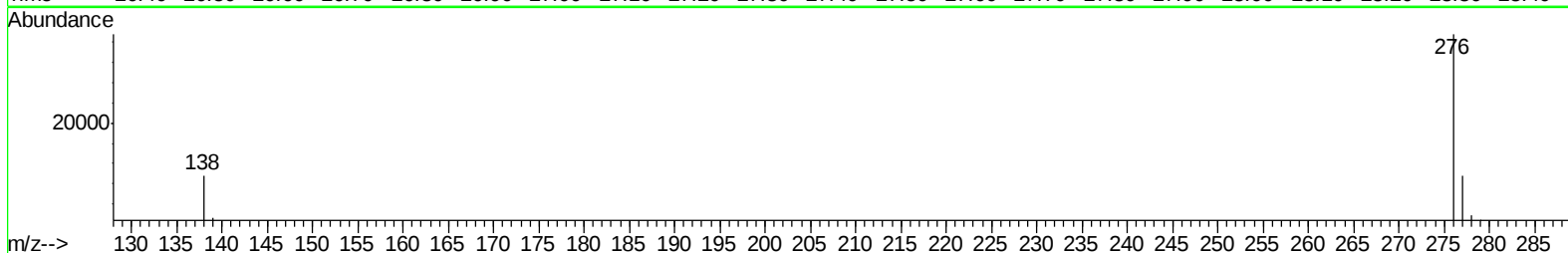
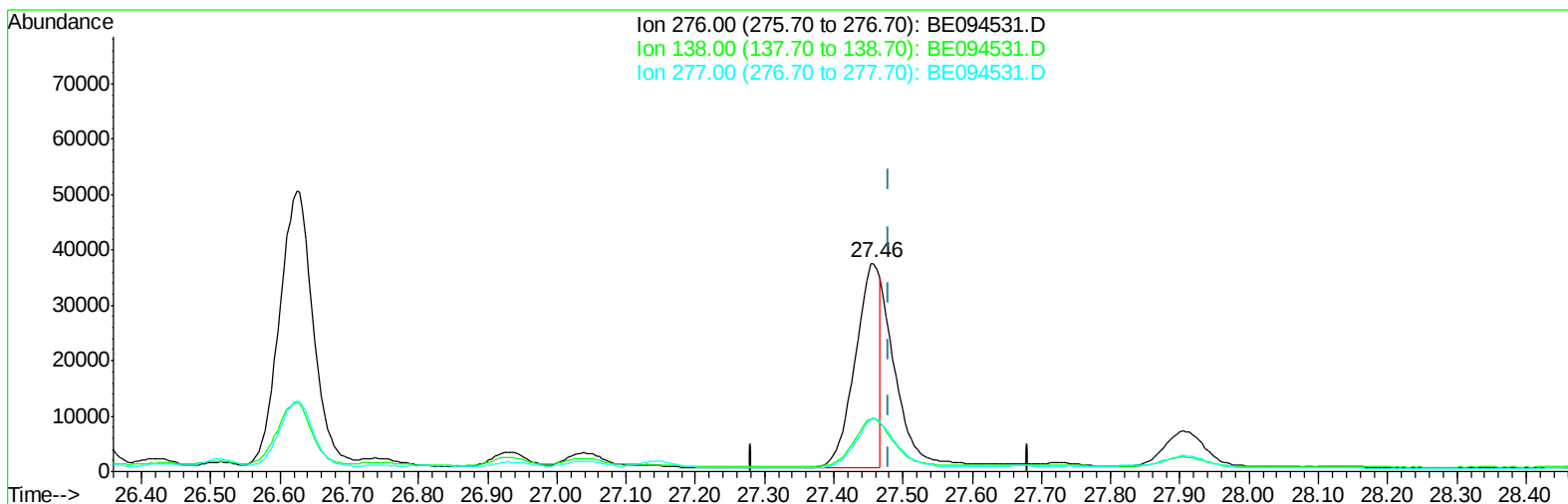
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094531.D
Acq On : 25 Oct 2017 13:47
Operator : SJ/JU
Sample : I5693-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(0.5-1.5)-100417

Manual Integrations
APPROVED

Sohil
10/27/2017 8:28:37 AM

Quant Time: Oct 25 18:38:17 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 18:37:24 2017
Response via : Initial Calibration



TIC: BE094531.D

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

27.458min (-0.023) 4.48ng/ul

response 90961

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	25.68
277.00	25.60	25.66
0.00	0.00	0.00

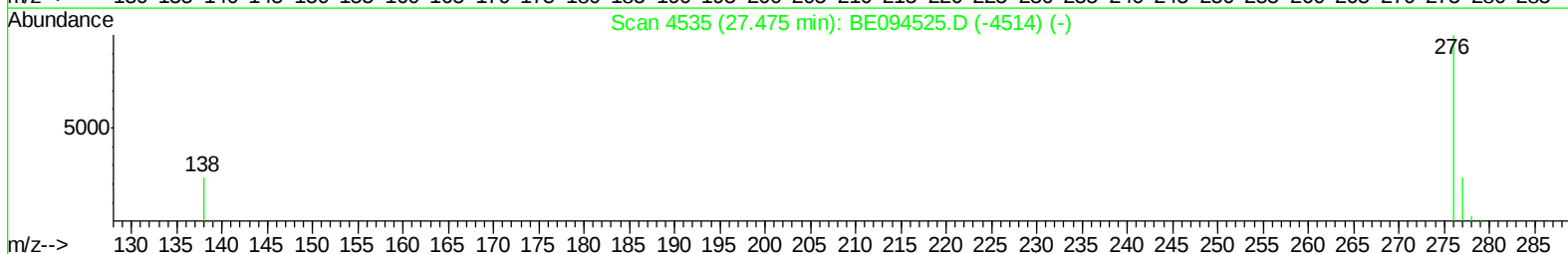
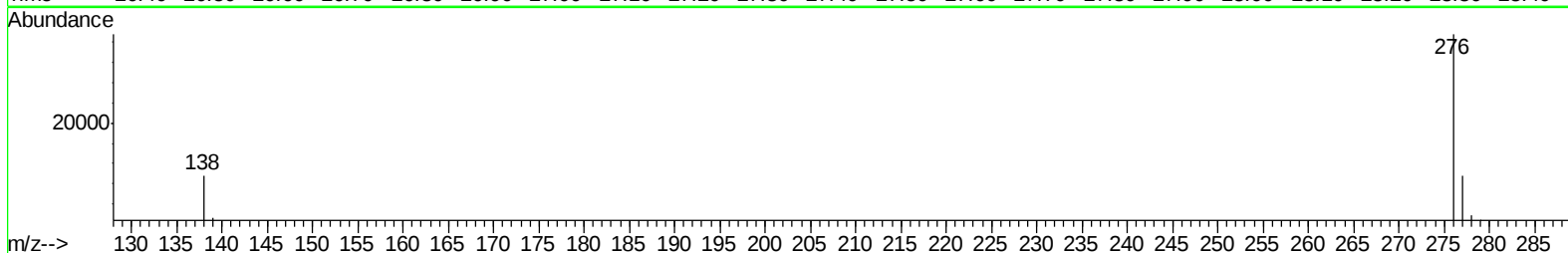
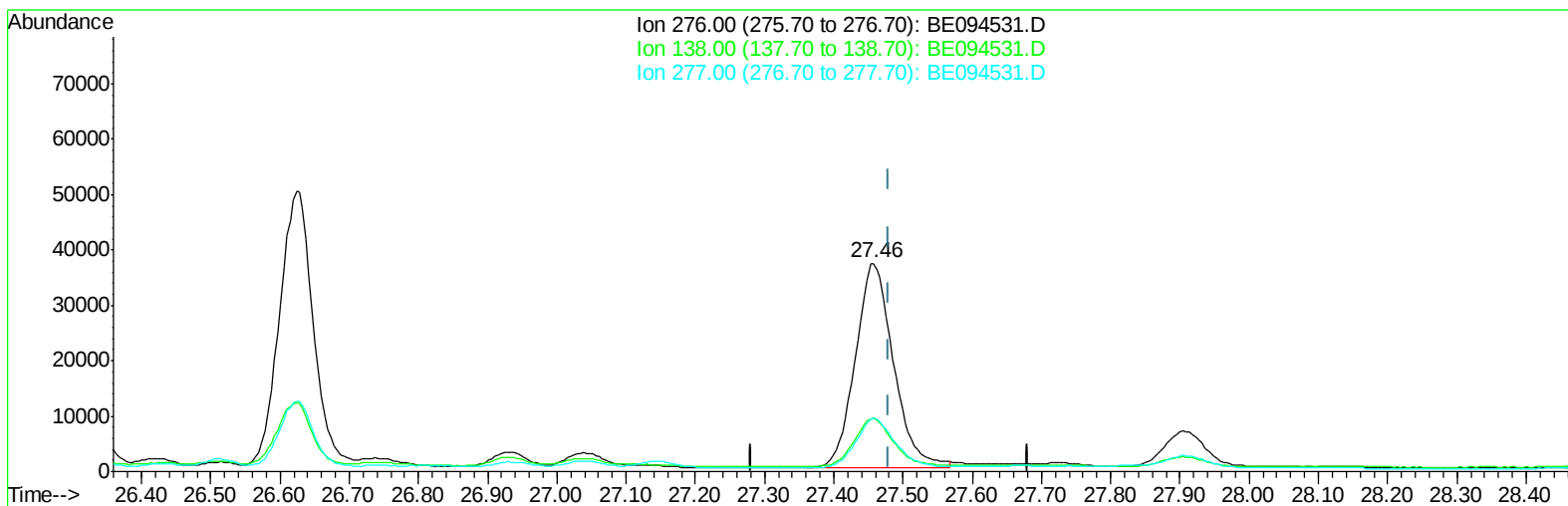
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094531.D
Acq On : 25 Oct 2017 13:47
Operator : SJ/JU
Sample : I5693-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(0.5-1.5)-100417

Manual Integrations
APPROVED

Sohil
10/27/2017 8:28:37 AM

Quant Time: Oct 25 18:38:17 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
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TIC: BE094531.D

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

27.458min (-0.023) 6.98ng/ul m

response 141702

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	25.68
277.00	25.60	25.66
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
 Data File : BE094531.D
 Acq On : 25 Oct 2017 13:47
 Operator : SJ/JU
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 Misc :
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Instrument :
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Manual Integrations
 APPROVED

Sohil
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Quant Time: Oct 25 18:42:04 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 18:37:24 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1412	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	7927	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.51	164	4623	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.24	188	10121	0.40	ng/ul	-0.02
16) Chrysene-d12	21.42	240	11315	0.40	ng/ul	0.00
20) Perylene-d12	23.94	264	8689m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	2291	0.18	ng/ul	-0.03
14) Fluoranthene-d10	19.27	212	5194	0.17	ng/ul	-0.02
Target Compounds				Qvalue		
3) Naphthalene	10.73	128	32926	1.699	ng/ul#	91
5) 2-Methylnaphthalene	12.34	142	9071	0.669	ng/ul	99
7) Acenaphthylene	14.24	152	12249	0.586	ng/ul	98
8) Acenaphthene	14.57	153	34097	2.269	ng/ul#	2
9) Fluorene	15.56	166	33668	1.995	ng/ul	95
12) Phenanthrene	17.27	178	394490	14.757	ng/ul#	84
13) Anthracene	17.38	178	102852	3.899	ng/ul#	92
15) Fluoranthene	19.30	202	589332	19.068	ng/ul	83
17) Pyrene	19.66	202	506468	14.479	ng/ul#	82
18) Benzo(a)anthracene	21.40	228	291872	9.023	ng/ul#	88
19) Chrysene	21.45	228	277443	8.298	ng/ul	98
21) Benzo(b)fluoranthene	23.17	252	355839m	14.559	ng/ul	
22) Benzo(k)fluoranthene	23.21	252	124245m	4.744	ng/ul	
23) Benzo(a)pyrene	23.83	252	251825m	10.307	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.62	276	172185m	6.811	ng/ul	
25) Dibenzo(a,h)anthracene	26.62	278	52560m	2.467	ng/ul	
26) Benzo(g,h,i)perylene	27.46	276	141702m	6.980	ng/ul	

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

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