

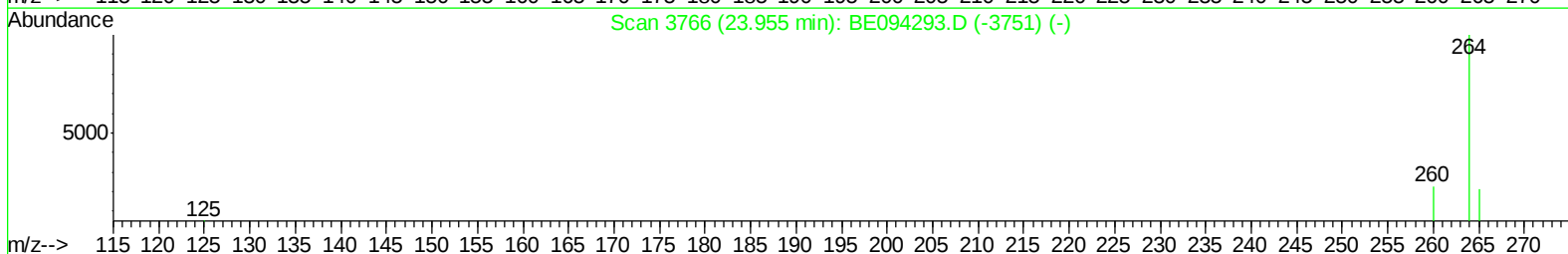
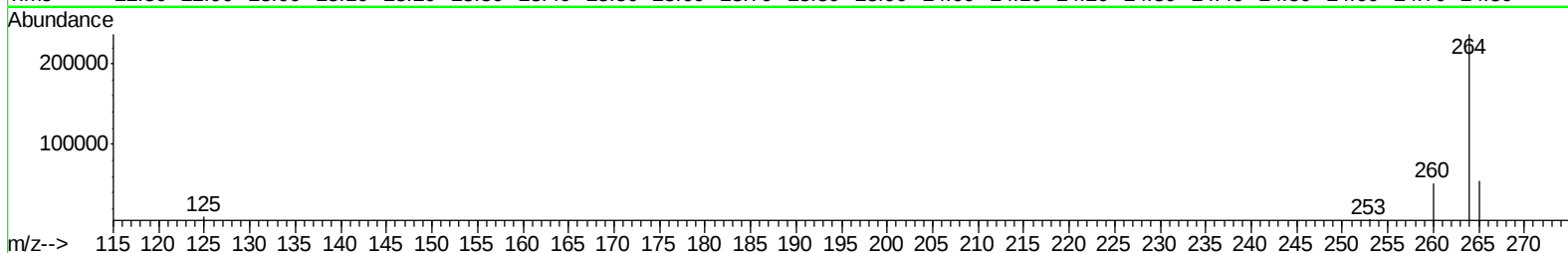
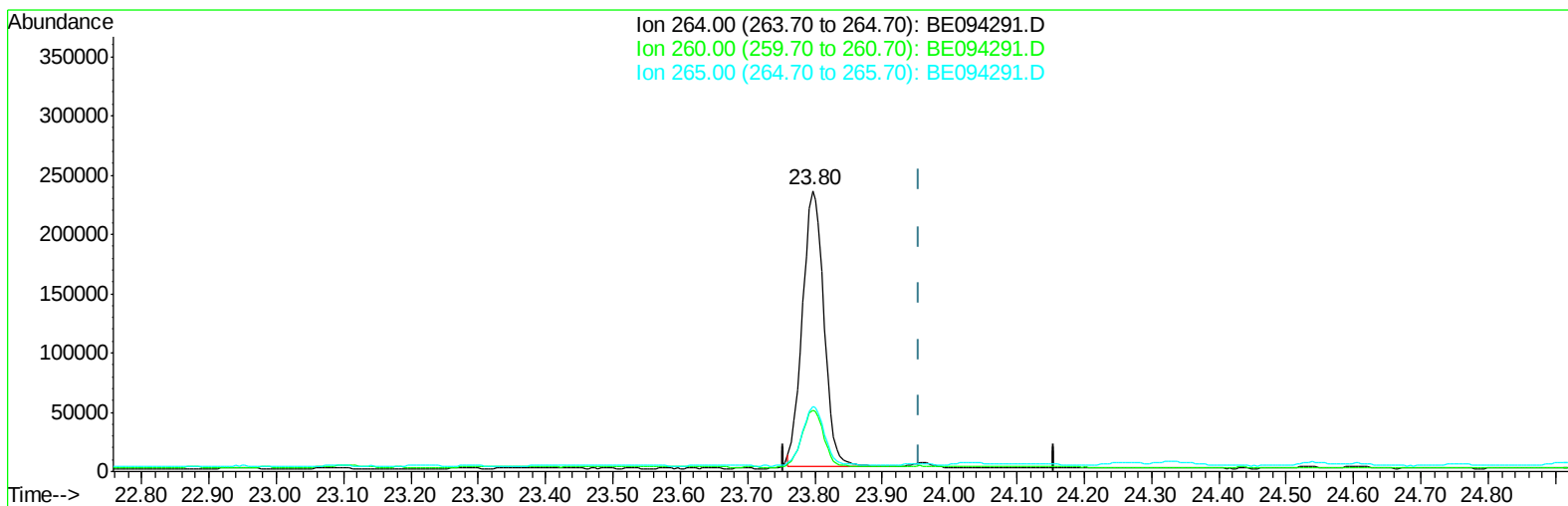
Data Path : Z:\HPCHEM1\BNA_E\Data\Be101117\
Data File : BE094291.D
Acq On : 11 Oct 2017 22:17
Operator : SJ/JU
Sample : I5490-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-69(0-1)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:49 PM

Quant Time: Oct 12 19:41:34 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 08:55:52 2017
Response via : Initial Calibration



TIC: BE094291.D

(20) Perylene-d12 (I)

23.796min (-0.159) 0.40ng/ul

response 517903

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	22.06#
265.00	103.50	23.14#
0.00	0.00	0.00

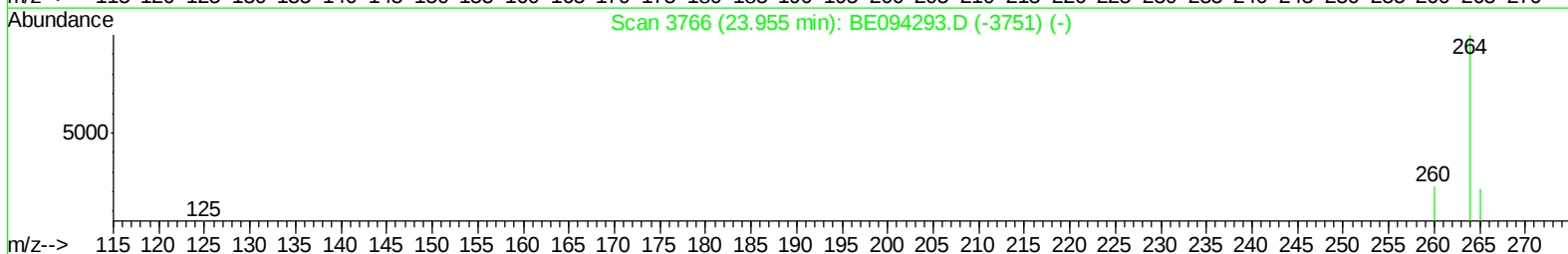
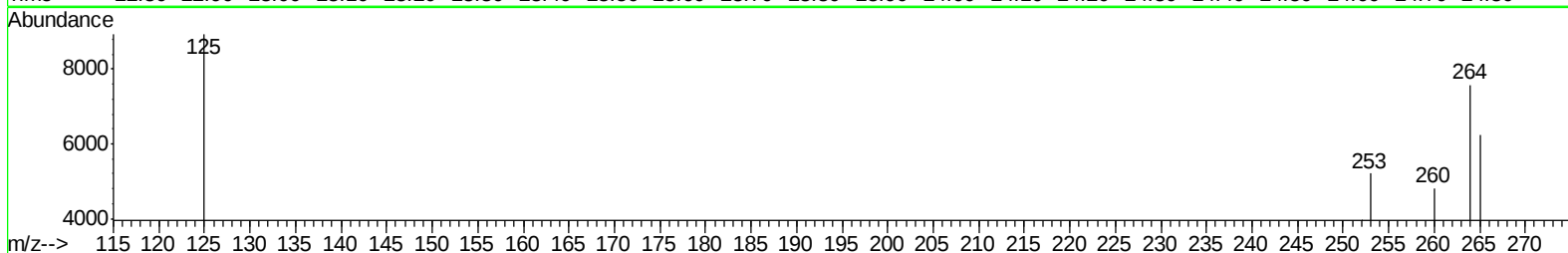
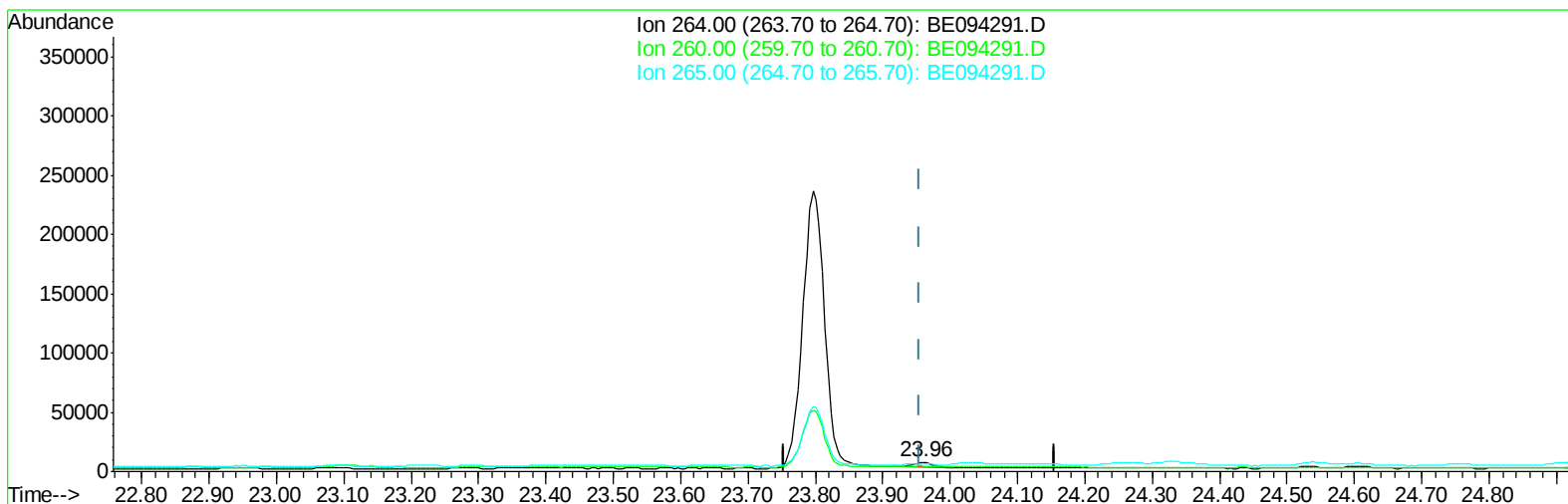
Data Path : Z:\HPCHEM1\BNA_E\Data\Be101117\
Data File : BE094291.D
Acq On : 11 Oct 2017 22:17
Operator : SJ/JU
Sample : I5490-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-69(0-1)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:49 PM

Quant Time: Oct 12 19:41:34 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 08:55:52 2017
Response via : Initial Calibration



TIC: BE094291.D

(20) Perylene-d12 (I)

23.960min (+0.005) 0.40ng/ul m

response 8290

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	63.52#
265.00	103.50	82.48#
0.00	0.00	0.00

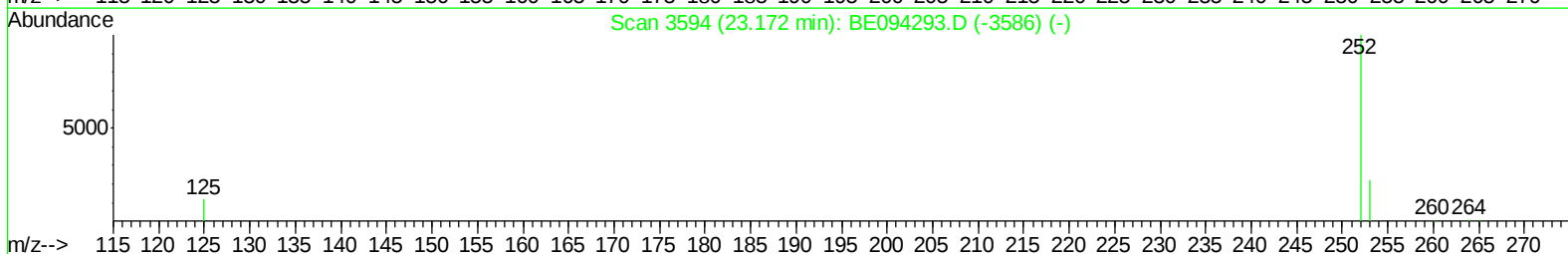
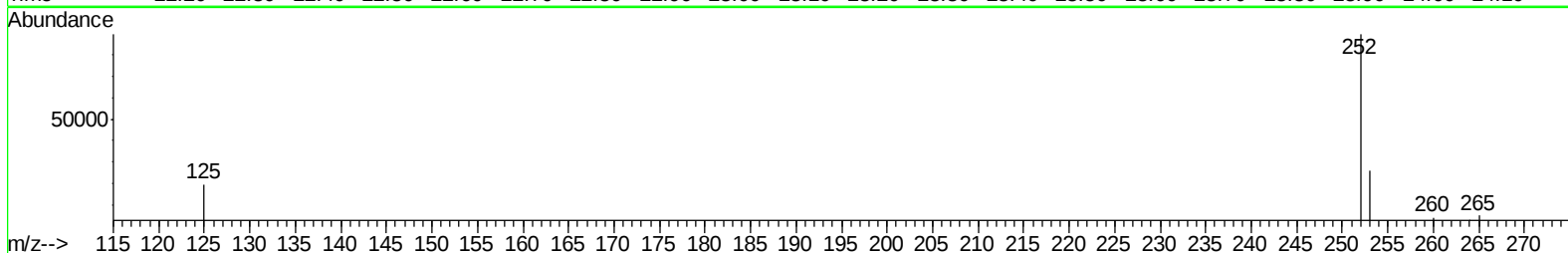
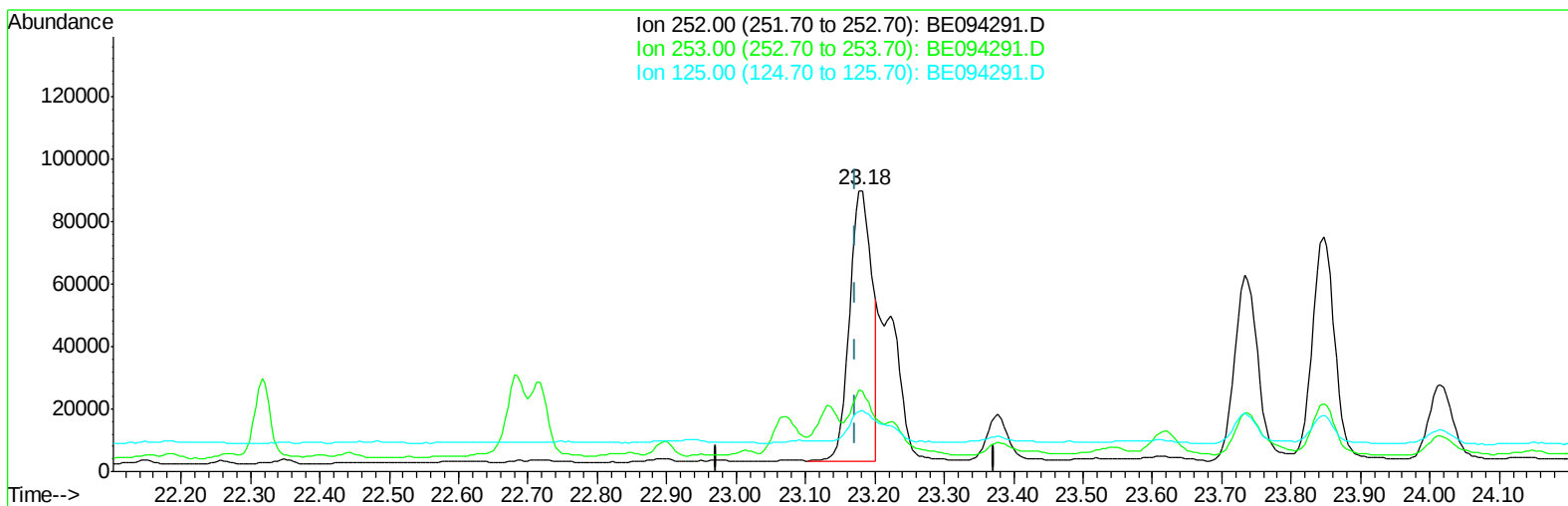
Data Path : Z:\HPCHEM1\BNA_E\Data\Be101117\
Data File : BE094291.D
Acq On : 11 Oct 2017 22:17
Operator : SJ/JU
Sample : I5490-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-69(0-1)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:49 PM

Quant Time: Oct 12 19:42:28 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 08:55:52 2017
Response via : Initial Calibration



TIC: BE094291.D

(21) Benzo(b)fluoranthene

23.182min (+0.009) 8.40ng/ul

response 189187

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	28.85
125.00	17.50	21.66
0.00	0.00	0.00

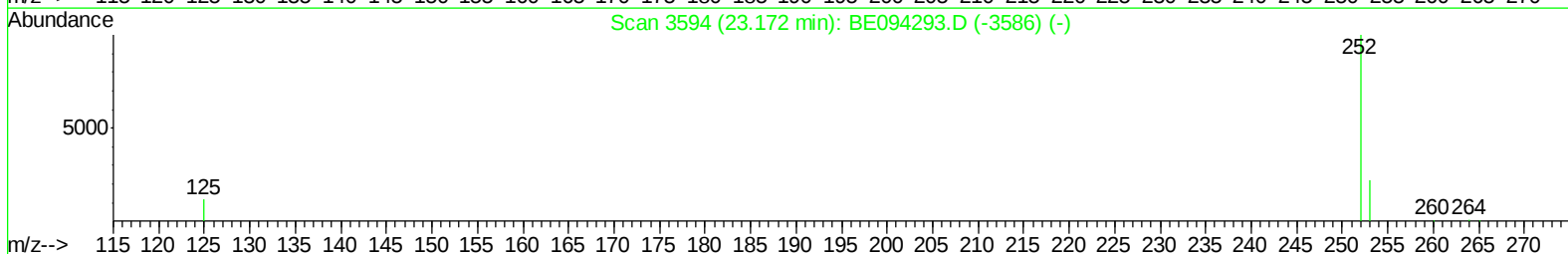
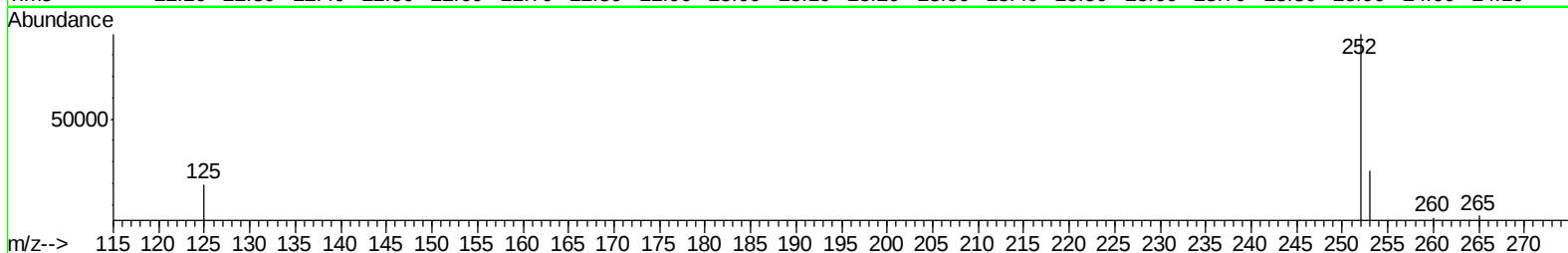
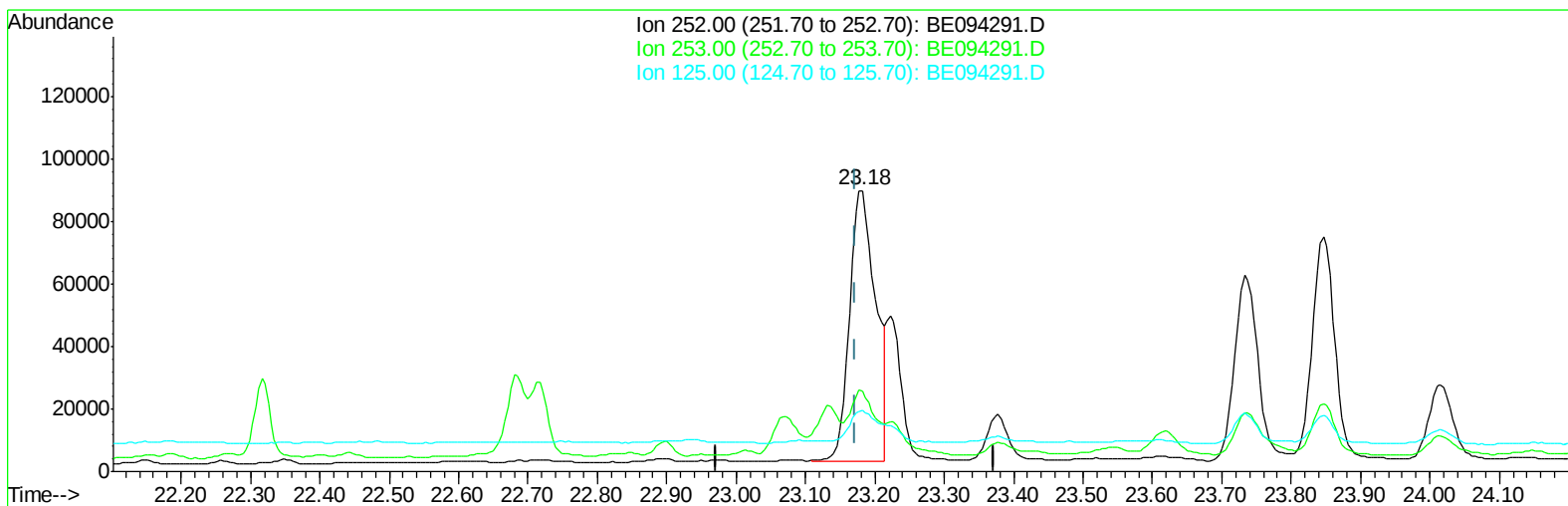
Data Path : Z:\HPCHEM1\BNA_E\Data\Be101117\
Data File : BE094291.D
Acq On : 11 Oct 2017 22:17
Operator : SJ/JU
Sample : I5490-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-69(0-1)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:49 PM

Quant Time: Oct 12 19:42:28 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 08:55:52 2017
Response via : Initial Calibration



TIC: BE094291.D

(21) Benzo(b)fluoranthene

23.182min (+0.009) 10.12ng/ul m

response 227807

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	28.85
125.00	17.50	21.66
0.00	0.00	0.00

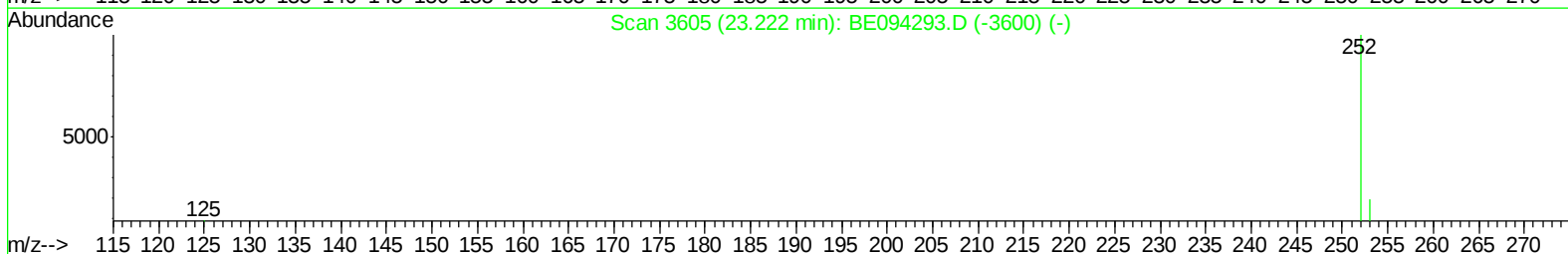
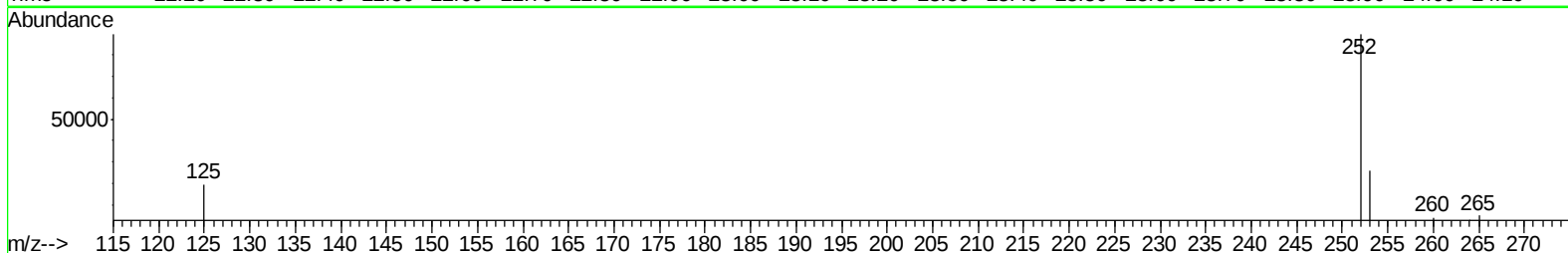
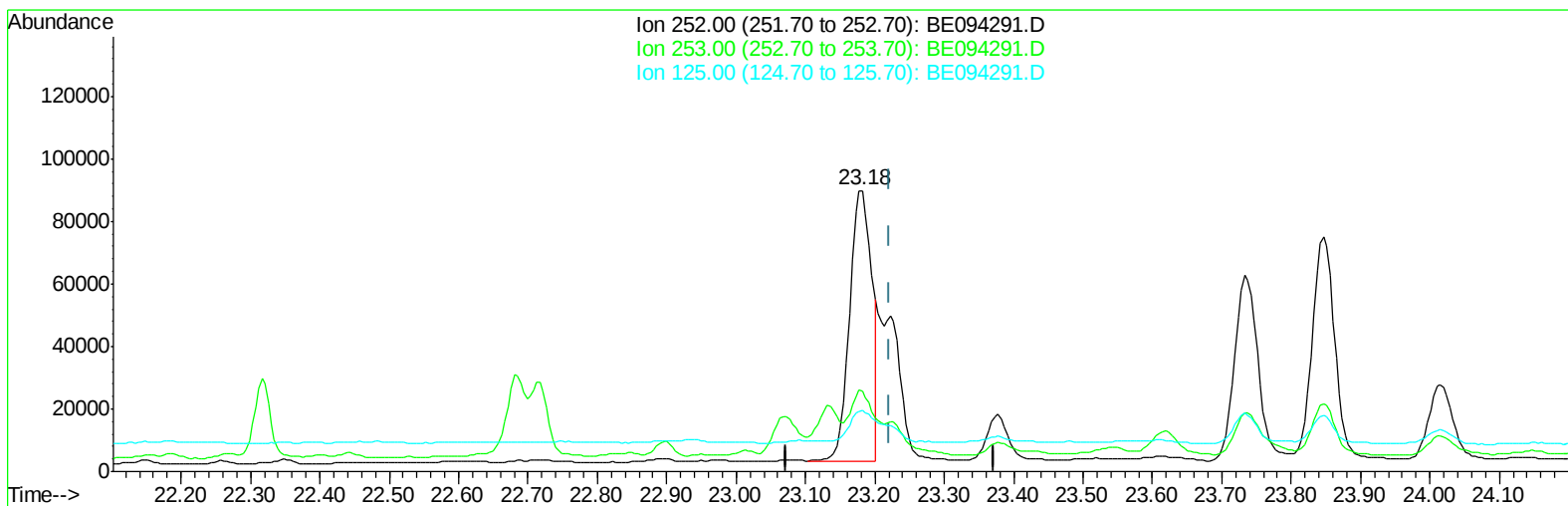
Data Path : Z:\HPCHEM1\BNA_E\Data\Be101117\
Data File : BE094291.D
Acq On : 11 Oct 2017 22:17
Operator : SJ/JU
Sample : I5490-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-69(0-1)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:49 PM

Quant Time: Oct 12 19:42:28 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 08:55:52 2017
Response via : Initial Calibration



TIC: BE094291.D

(22) Benzo(k)fluoranthene

23.182min (-0.041) 7.27ng/ul

response 189187

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	28.85
125.00	17.10	21.66#
0.00	0.00	0.00

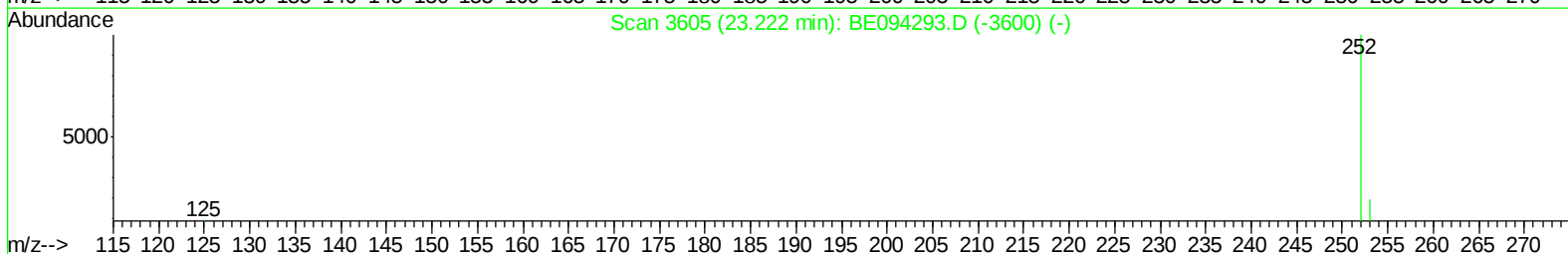
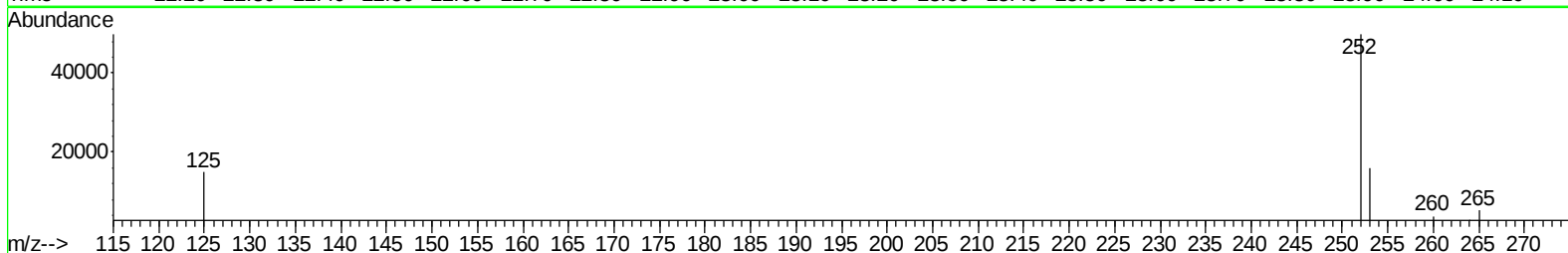
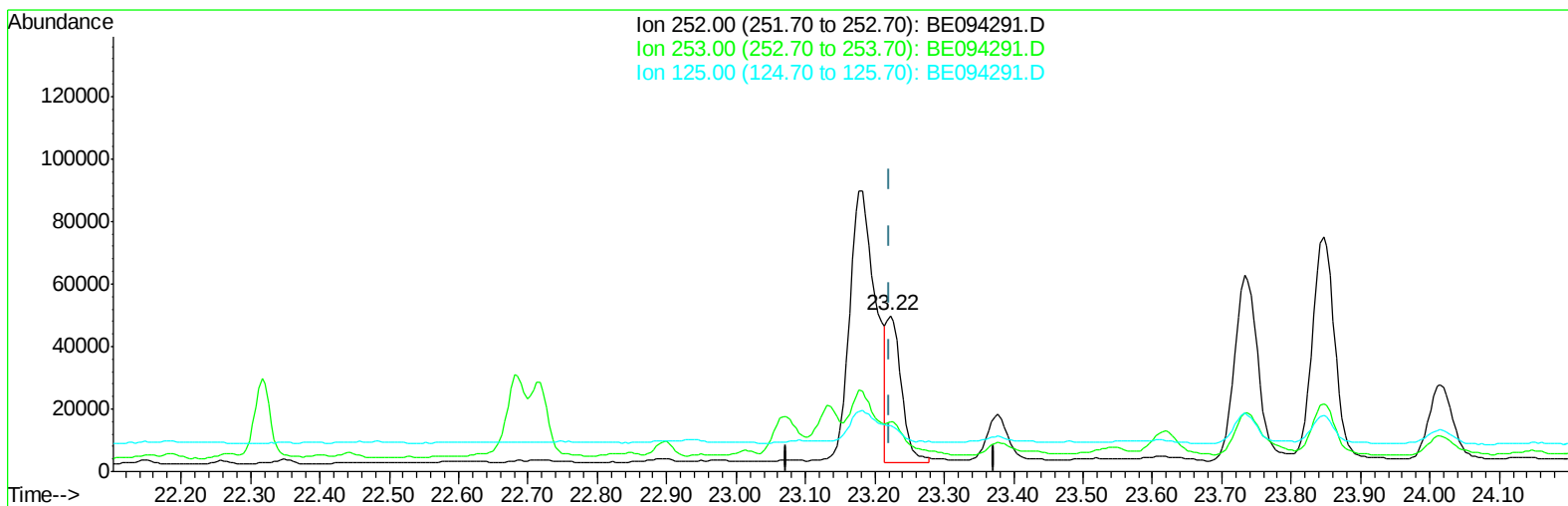
Data Path : Z:\HPCHEM1\BNA_E\Data\Be101117\
Data File : BE094291.D
Acq On : 11 Oct 2017 22:17
Operator : SJ/JU
Sample : I5490-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-69(0-1)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:49 PM

Quant Time: Oct 12 19:42:28 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 08:55:52 2017
Response via : Initial Calibration



TIC: BE094291.D

(22) Benzo(k)fluoranthene

23.223min (+0.000) 2.71ng/ul m

response 70461

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	31.95
125.00	17.10	29.76#
0.00	0.00	0.00

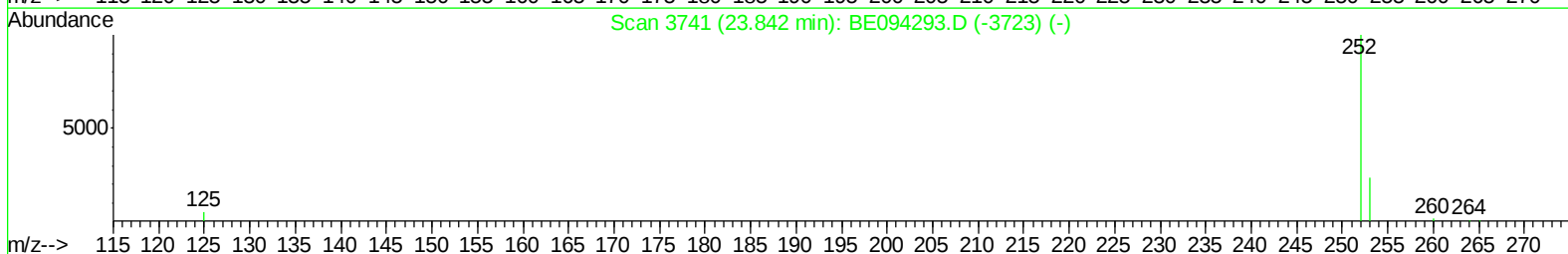
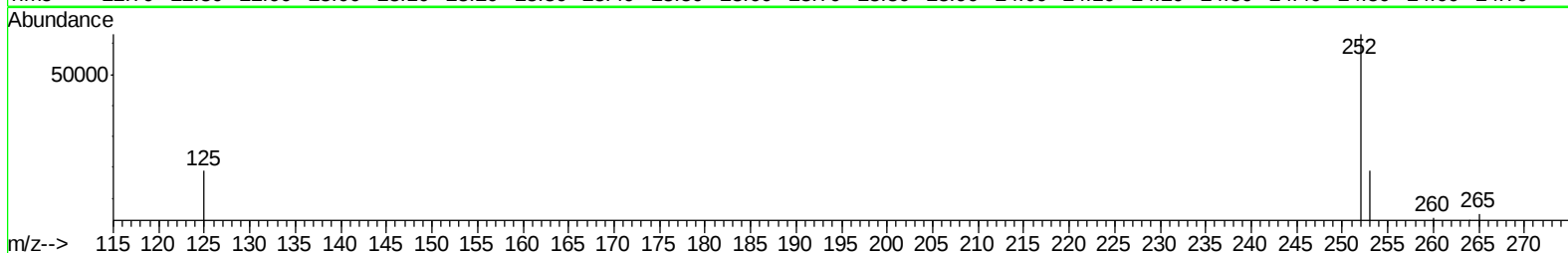
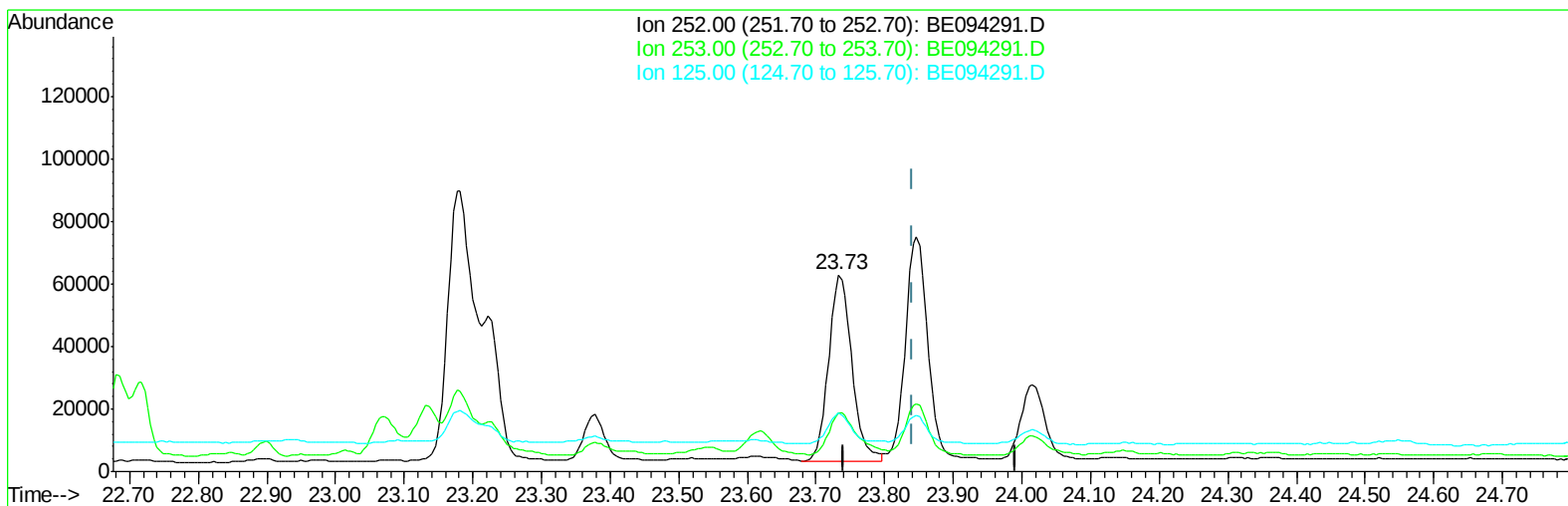
Data Path : Z:\HPCHEM1\BNA_E\Data\Be101117\
Data File : BE094291.D
Acq On : 11 Oct 2017 22:17
Operator : SJ/JU
Sample : I5490-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-69(0-1)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:49 PM

Quant Time: Oct 12 19:42:28 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 08:55:52 2017
Response via : Initial Calibration



TIC: BE094291.D

(23) Benzo(a)pyrene (C)

23.733min (-0.109) 5.99ng/ul

response 140129

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	30.04
125.00	22.60	29.84#
0.00	0.00	0.00

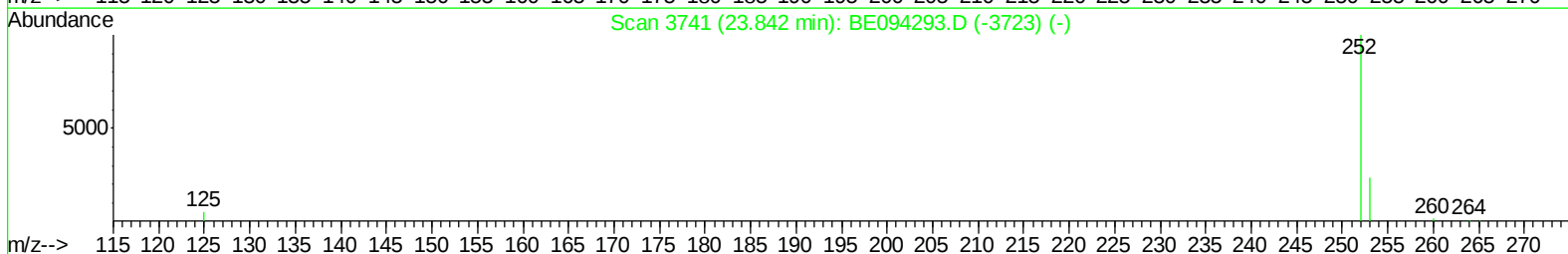
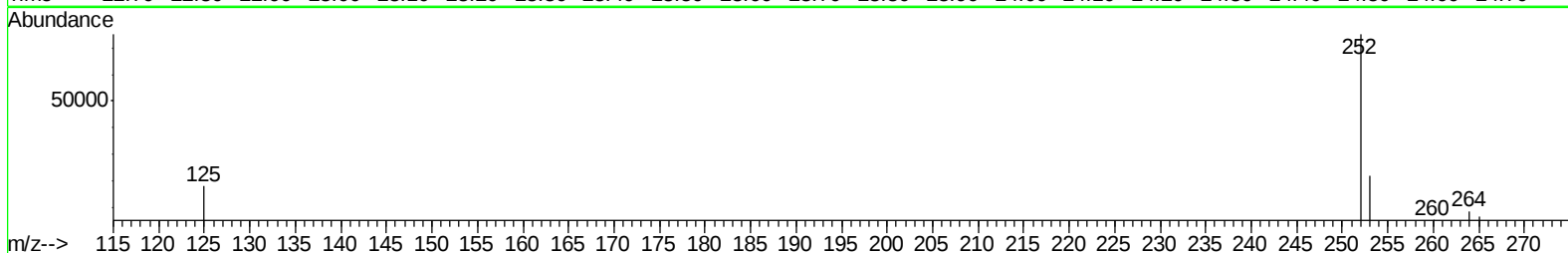
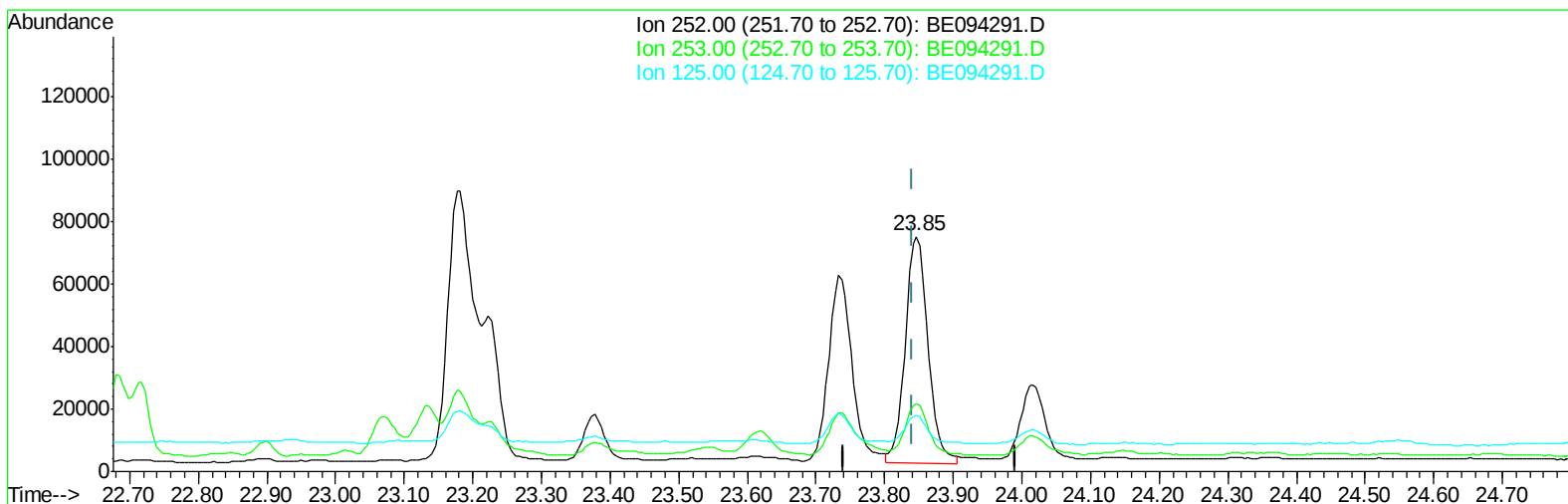
Data Path : Z:\HPCHEM1\BNA_E\Data\Be101117\
Data File : BE094291.D
Acq On : 11 Oct 2017 22:17
Operator : SJ/JU
Sample : I5490-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-69(0-1)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:49 PM

Quant Time: Oct 12 19:42:28 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 08:55:52 2017
Response via : Initial Calibration



TIC: BE094291.D

(23) Benzo(a)pyrene (C)

23.846min (+0.005) 7.08ng/ul m

response 165633

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	28.78
125.00	22.60	23.70
0.00	0.00	0.00

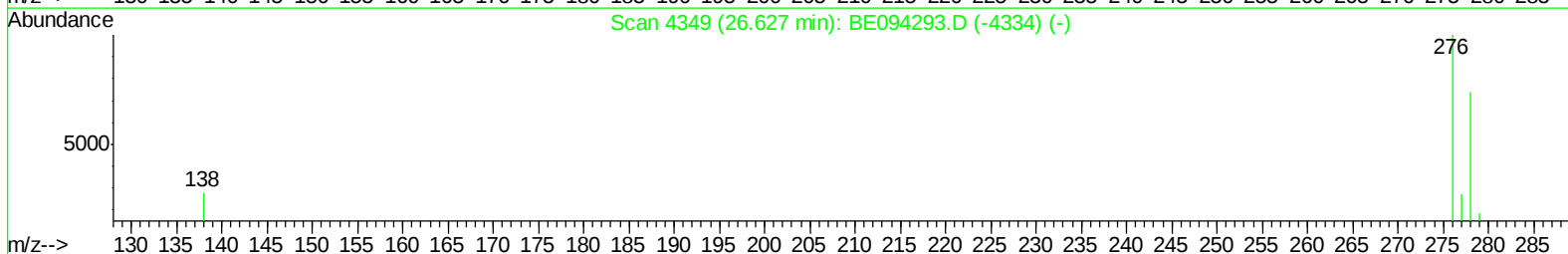
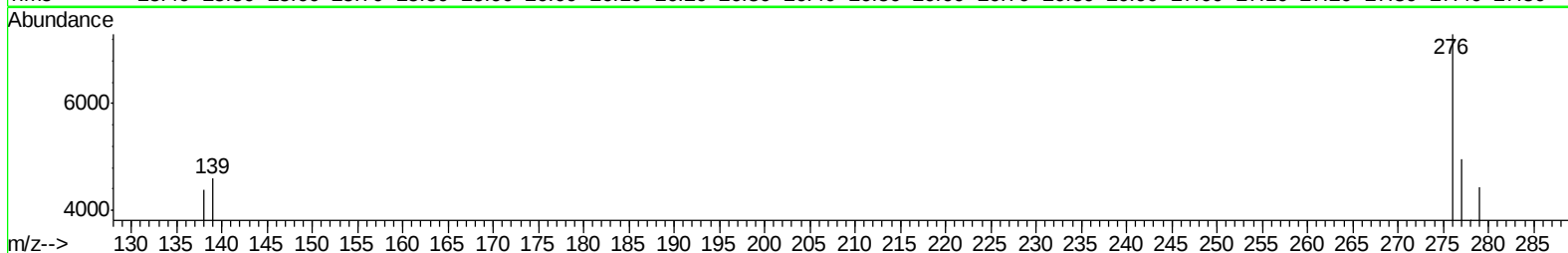
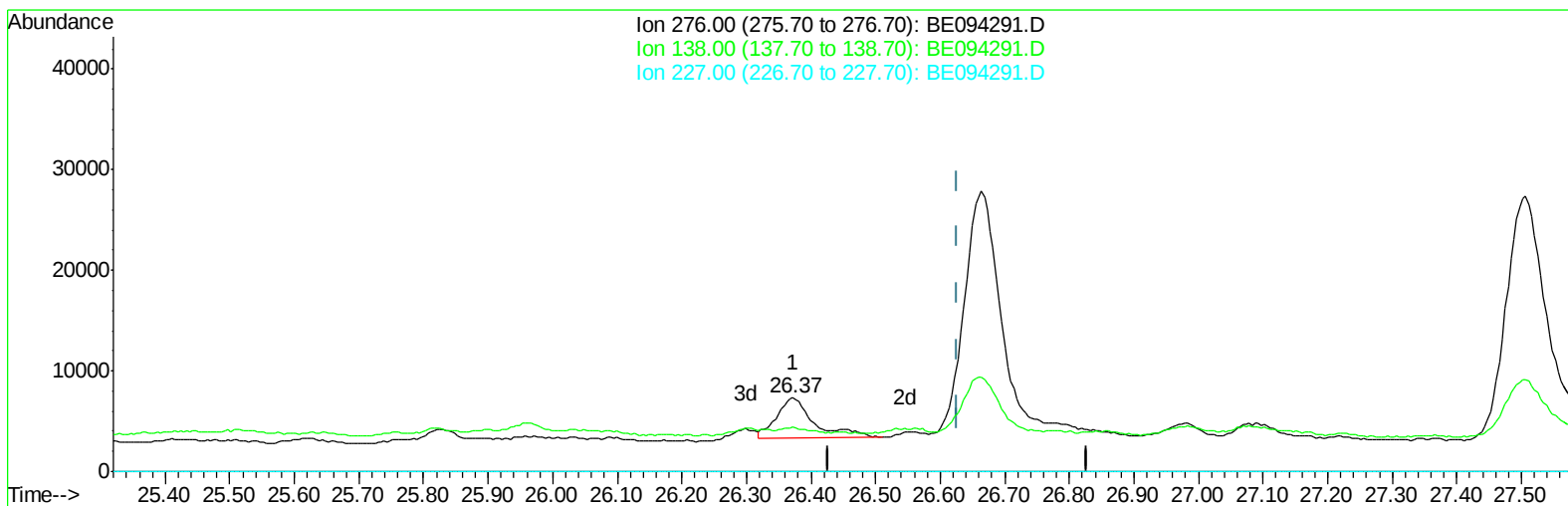
Data Path : Z:\HPCHEM1\BNA_E\Data\Be101117\
Data File : BE094291.D
Acq On : 11 Oct 2017 22:17
Operator : SJ/JU
Sample : I5490-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-69(0-1)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:49 PM

Quant Time: Oct 12 19:42:28 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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Response via : Initial Calibration



TIC: BE094291.D

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

26.372min (-0.255) 0.66ng/ul

response 15840

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	11.65#
227.00	10.00	0.00#
0.00	0.00	0.00

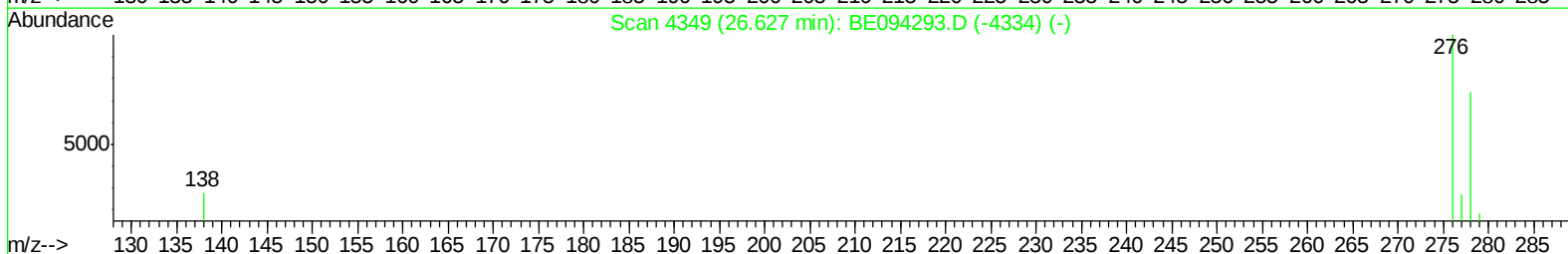
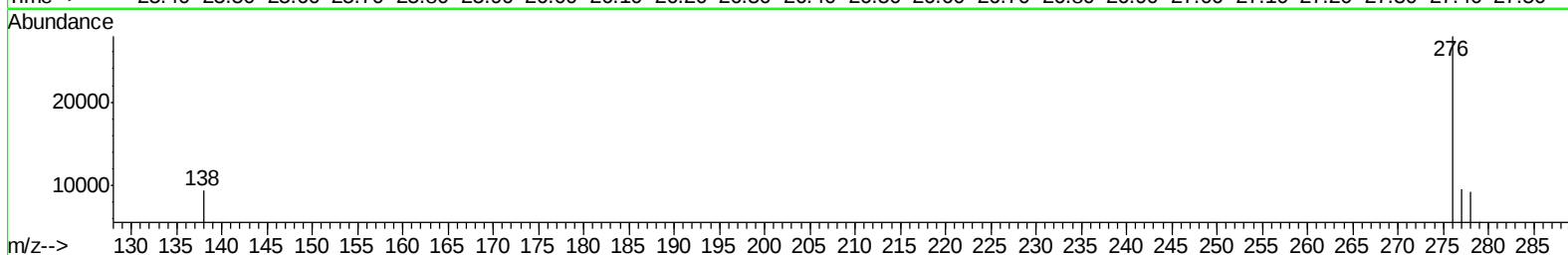
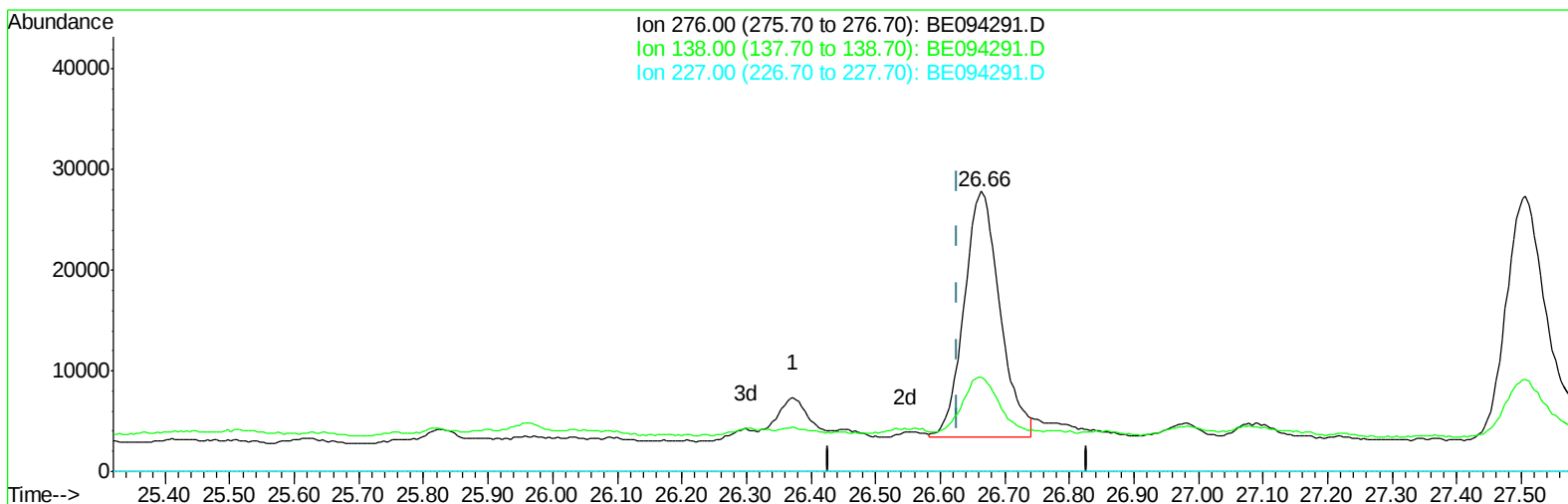
Data Path : Z:\HPCHEM1\BNA_E\Data\Be101117\
Data File : BE094291.D
Acq On : 11 Oct 2017 22:17
Operator : SJ/JU
Sample : I5490-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-69(0-1)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:49 PM

Quant Time: Oct 12 19:42:28 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 08:55:52 2017
Response via : Initial Calibration



TIC: BE094291.D

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

26.664min (+0.036) 3.94ng/ul m

response 94312

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	1.96#
227.00	10.00	0.00#
0.00	0.00	0.00

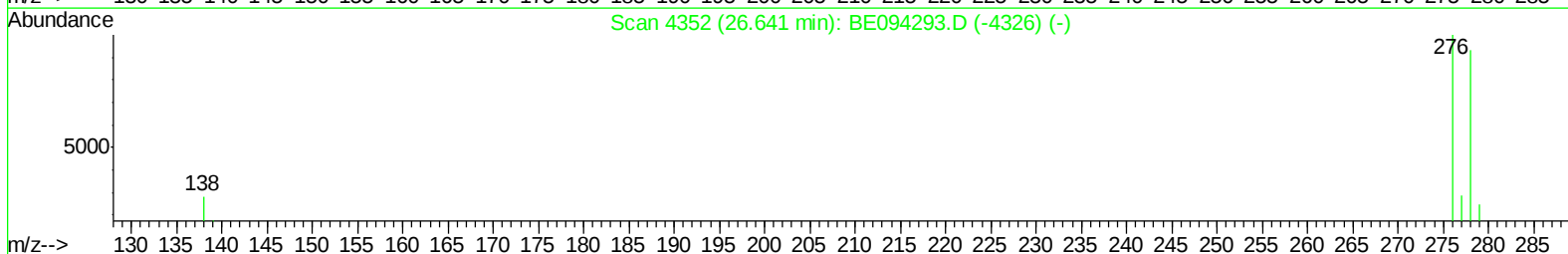
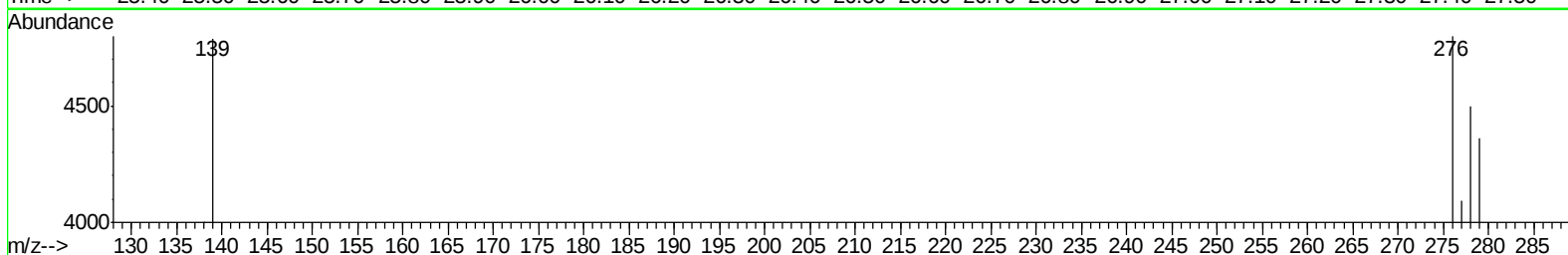
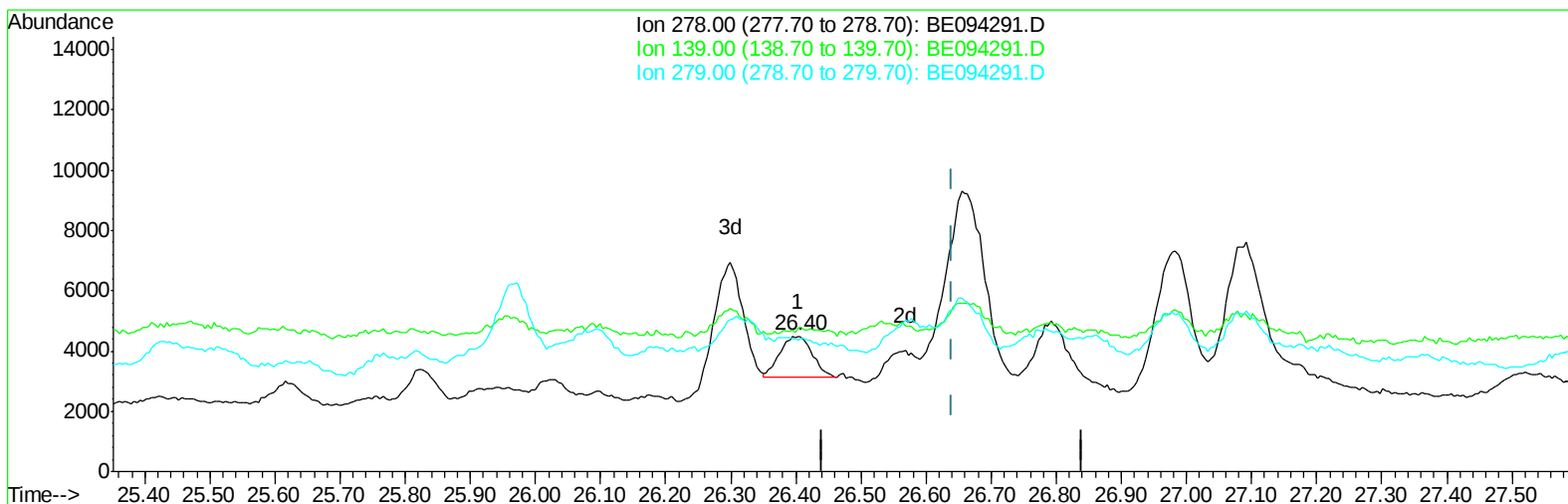
Data Path : Z:\HPCHEM1\BNA_E\Data\Be101117\
Data File : BE094291.D
Acq On : 11 Oct 2017 22:17
Operator : SJ/JU
Sample : I5490-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-69(0-1)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:49 PM

Quant Time: Oct 12 19:42:28 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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Response via : Initial Calibration



TIC: BE094291.D

(25) Dibenzo(a,h)anthracene

26.404min (-0.237) 0.23ng/ul

response 4520

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	106.52#
279.00	32.40	97.02#
0.00	0.00	0.00

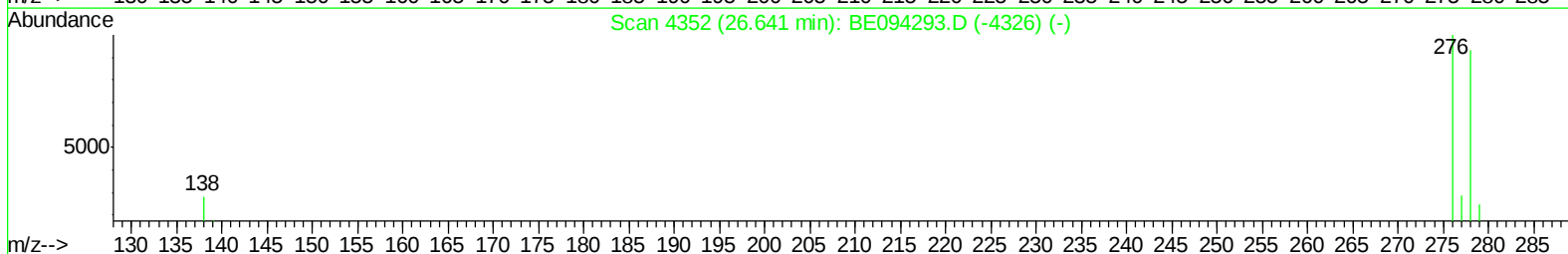
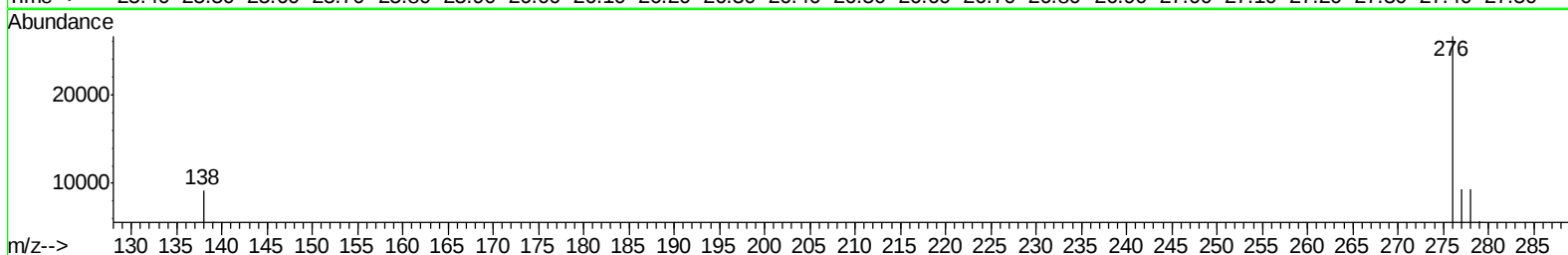
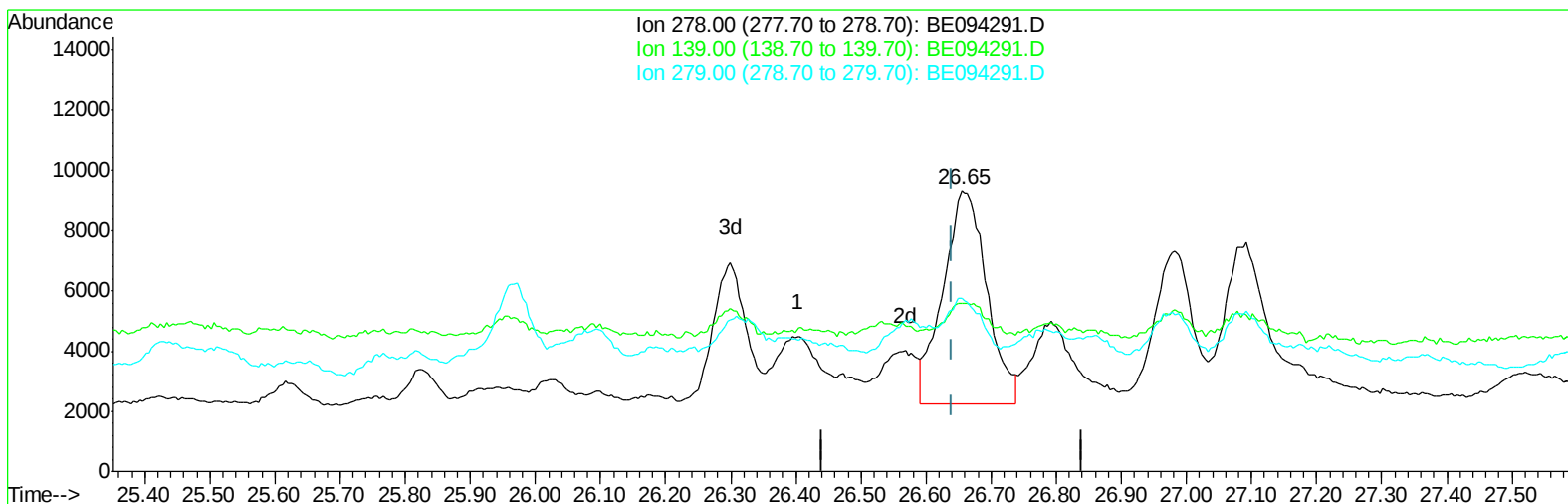
Data Path : Z:\HPCHEM1\BNA_E\Data\Be101117\
Data File : BE094291.D
Acq On : 11 Oct 2017 22:17
Operator : SJ/JU
Sample : I5490-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-69(0-1)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:49 PM

Quant Time: Oct 12 19:42:28 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 08:55:52 2017
Response via : Initial Calibration



TIC: BE094291.D

(25) Dibenzo(a,h)anthracene

26.655min (+0.014) 1.64ng/ul m

response 32935

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	60.24#
279.00	32.40	62.04#
0.00	0.00	0.00

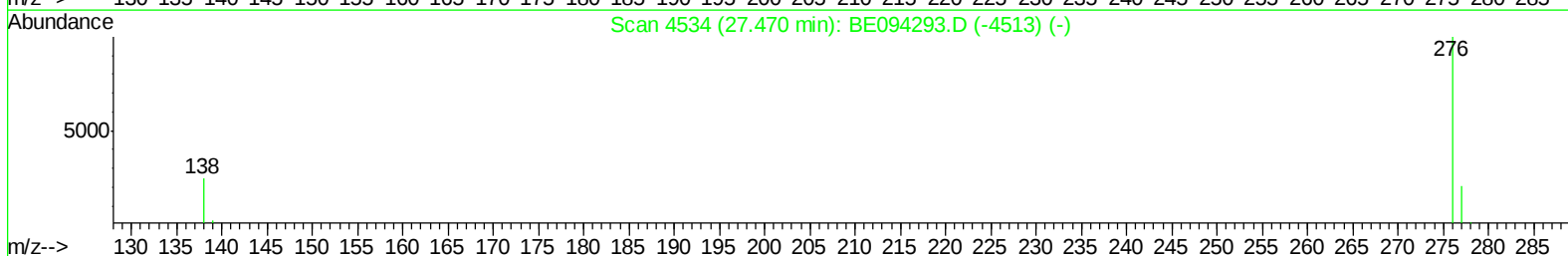
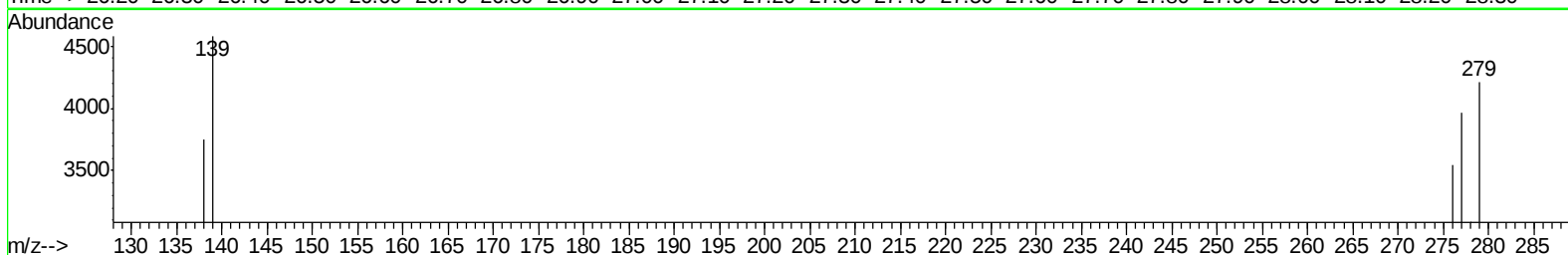
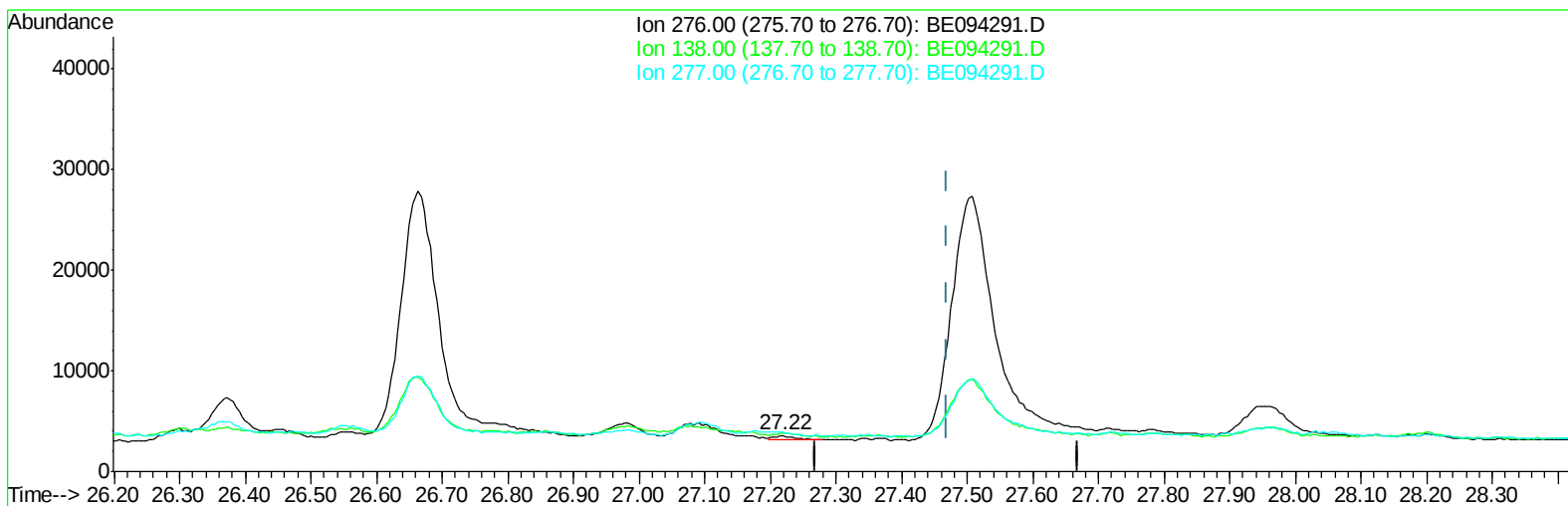
Data Path : Z:\HPCHEM1\BNA_E\Data\Be101117\
 Data File : BE094291.D
 Acq On : 11 Oct 2017 22:17
 Operator : SJ/JU
 Sample : I5490-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-69(0-1)-092717

Manual Integrations
 APPROVED

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Quant Time: Oct 12 19:42:28 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 12 08:55:52 2017
 Response via : Initial Calibration



TIC: BE094291.D

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

27.220min (-0.251) 0.05ng/ul

response 935

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	105.66#
277.00	25.60	111.78#
0.00	0.00	0.00

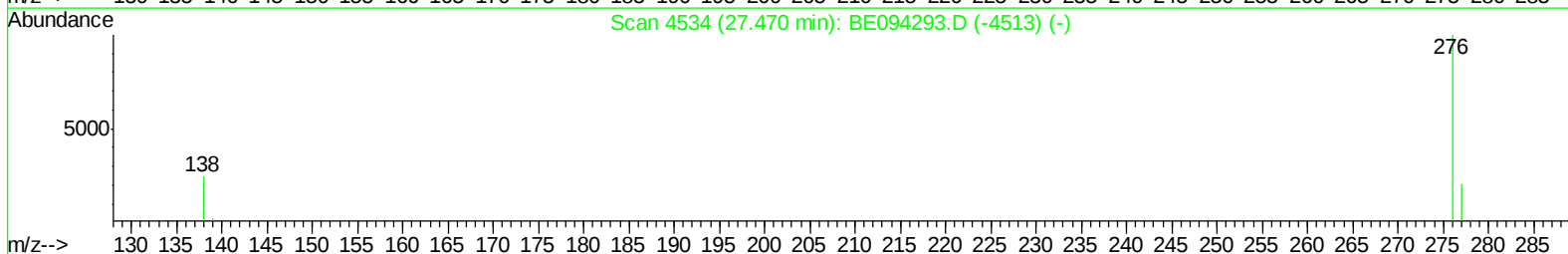
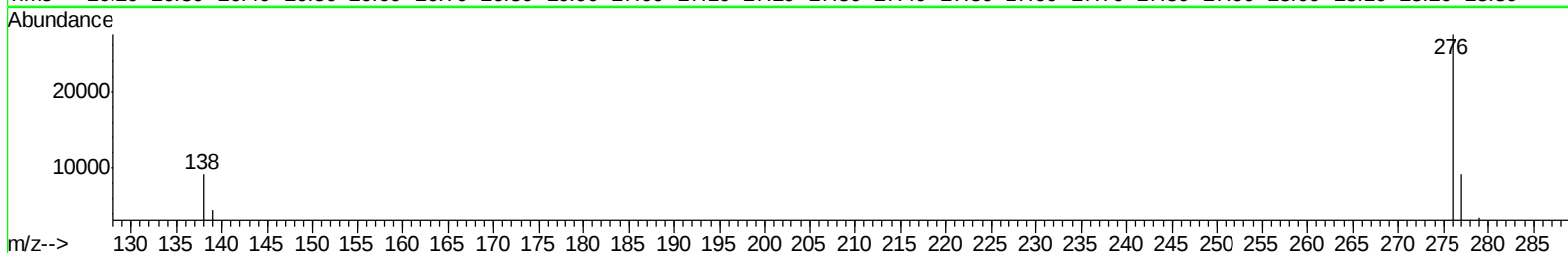
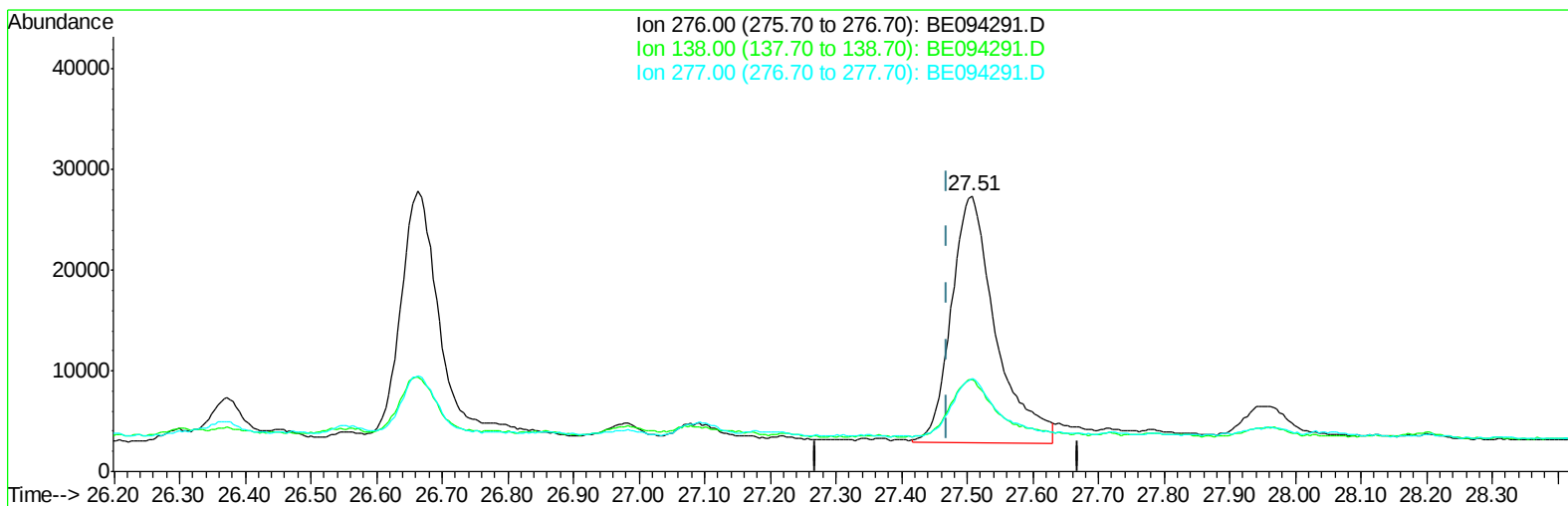
Data Path : Z:\HPCHEM1\BNA_E\Data\Be101117\
Data File : BE094291.D
Acq On : 11 Oct 2017 22:17
Operator : SJ/JU
Sample : I5490-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-69(0-1)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:49 PM

Quant Time: Oct 12 19:42:28 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 08:55:52 2017
Response via : Initial Calibration



TIC: BE094291.D

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

27.507min (+0.036) 5.58ng/ul m

response 115138

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	33.41#
277.00	25.60	33.79#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\Data\Be101117\
 Data File : BE094291.D
 Acq On : 11 Oct 2017 22:17
 Operator : SJ/JU
 Sample : I5490-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-69(0-1)-092717

Manual Integrations
 APPROVED

Sohil
 10/13/2017 12:05:49 PM

Quant Time: Oct 12 19:45:20 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1813	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	8927	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	4996	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	9969	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	9512	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	8290m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	3430	0.25	ng/ul	-0.01
14) Fluoranthene-d10	19.28	212	7504	0.23	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.74	128	4995	0.228	ng/ul#	95
5) 2-Methylnaphthalene	12.35	142	2859	0.202	ng/ul	97
7) Acenaphthylene	14.24	152	7535	0.387	ng/ul	96
8) Acenaphthene	14.58	153	7985	0.498	ng/ul	98
9) Fluorene	15.57	166	7675	0.409	ng/ul	92
12) Phenanthrene	17.29	178	168086	6.452	ng/ul#	89
13) Anthracene	17.38	178	44756	1.766	ng/ul#	89
15) Fluoranthene	19.31	202	336432	9.829	ng/ul	84
17) Pyrene	19.67	202	326889	12.351	ng/ul#	84
18) Benzo(a)anthracene	21.40	228	179904	7.129	ng/ul#	89
19) Chrysene	21.46	228	175656	6.028	ng/ul	94
21) Benzo(b)fluoranthene	23.18	252	227807m	10.116	ng/ul	
22) Benzo(k)fluoranthene	23.22	252	70461m	2.707	ng/ul	
23) Benzo(a)pyrene	23.85	252	165633m	7.078	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.66	276	94312m	3.940	ng/ul	
25) Dibenzo(a,h)anthracene	26.65	278	32935m	1.640	ng/ul	
26) Benzo(g,h,i)perylene	27.51	276	115138m	5.576	ng/ul	

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

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Manual Integrations
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