

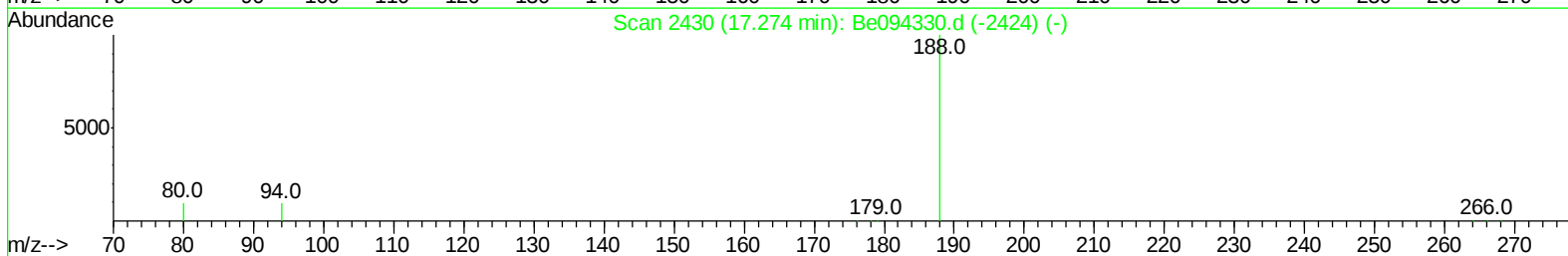
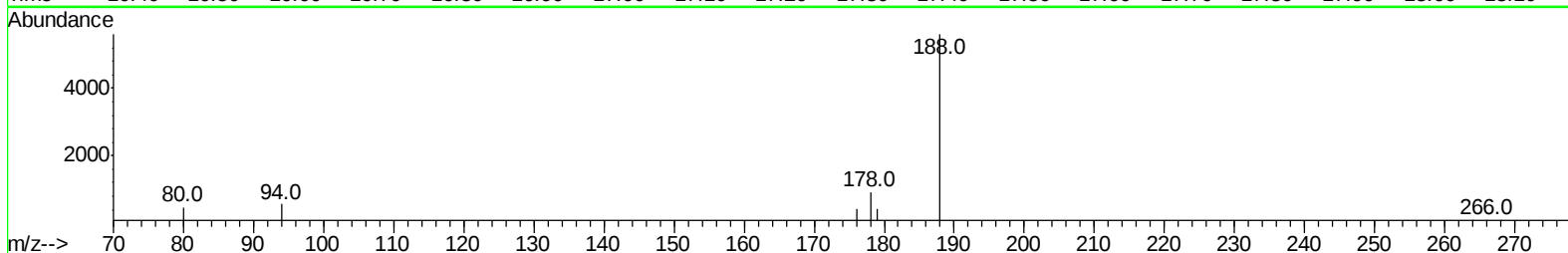
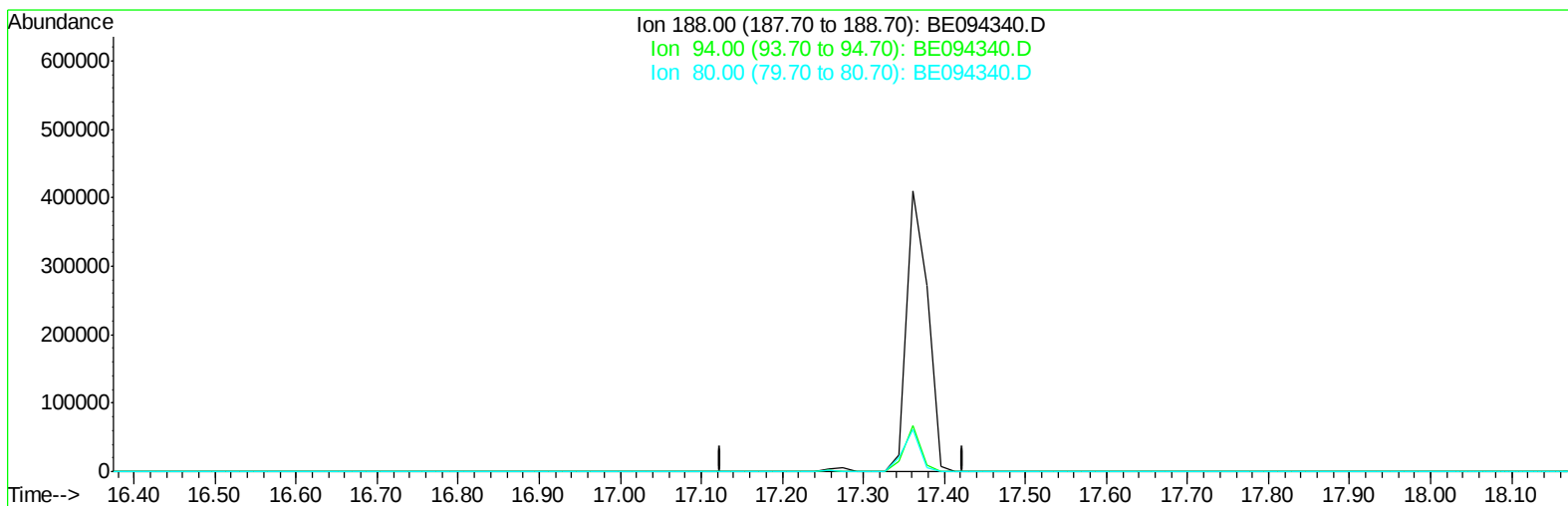
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\
Data File : BE094340.D
Acq On : 14 Oct 2017 1:31
Operator : SJ/JU
Sample : I5649-05MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-59(FILL)-100317MSD

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:08 PM

Quant Time: Oct 14 04:03:08 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 14 03:57:24 2017
Response via : Initial Calibration



TIC: BE094340.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

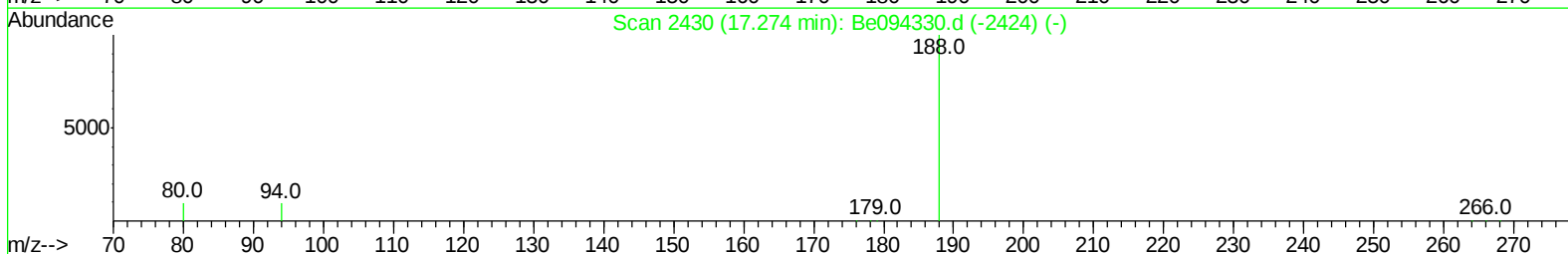
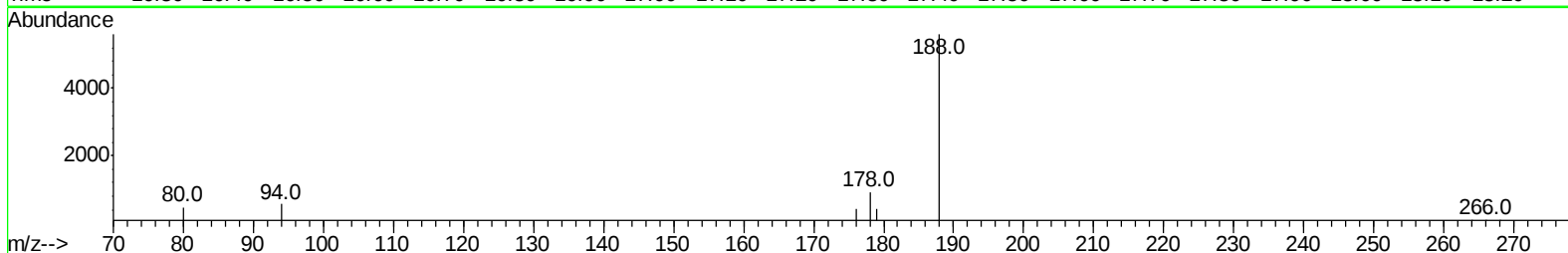
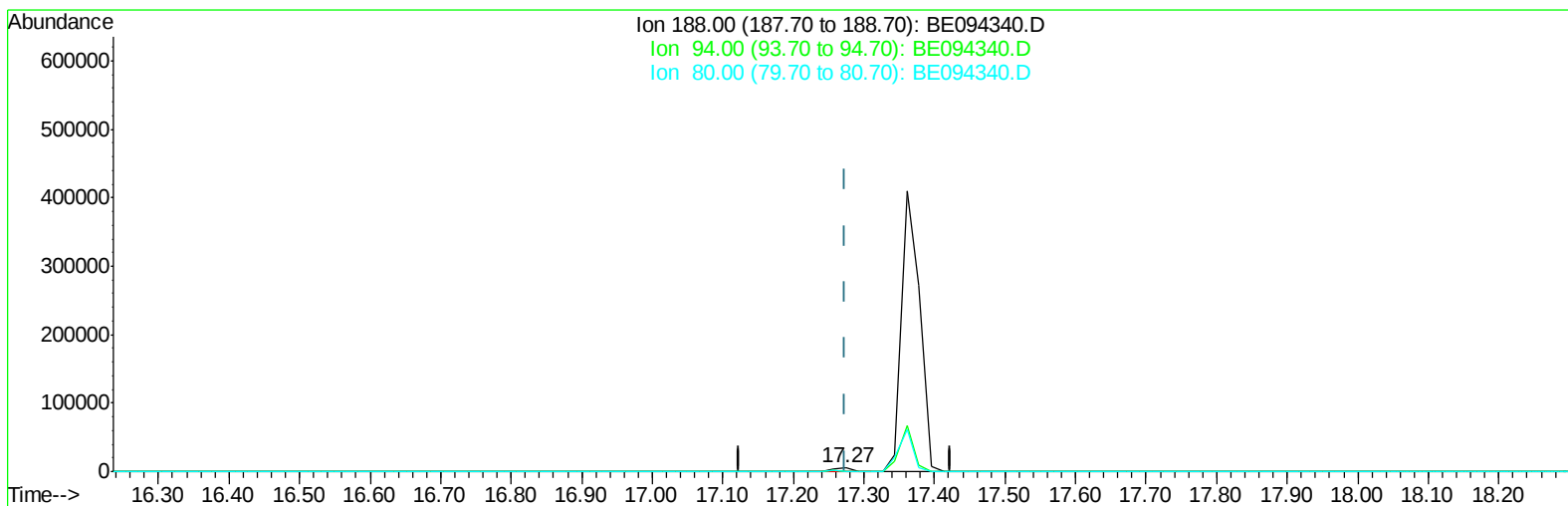
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\
Data File : BE094340.D
Acq On : 14 Oct 2017 1:31
Operator : SJ/JU
Sample : I5649-05MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-59(FILL)-100317MSD

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:08 PM

Quant Time: Oct 14 04:03:08 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 14 03:57:24 2017
Response via : Initial Calibration



TIC: BE094340.D

(10) Phenanthrene-d10 (I)

17.275min (+0.001) 0.40ng/ul m

response 11241

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	10.03
80.00	11.80	8.35#
0.00	0.00	0.00

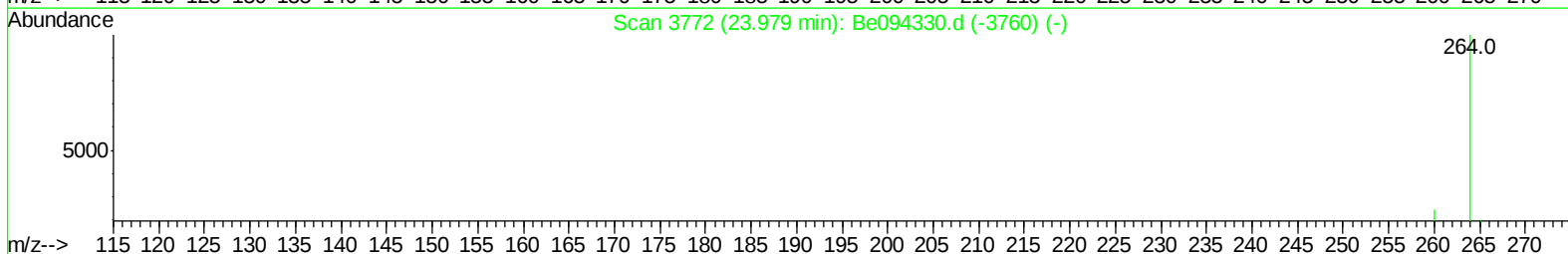
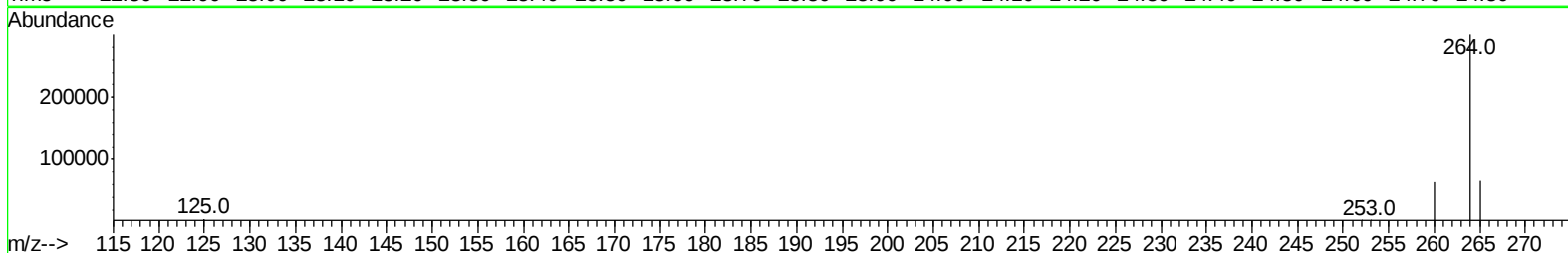
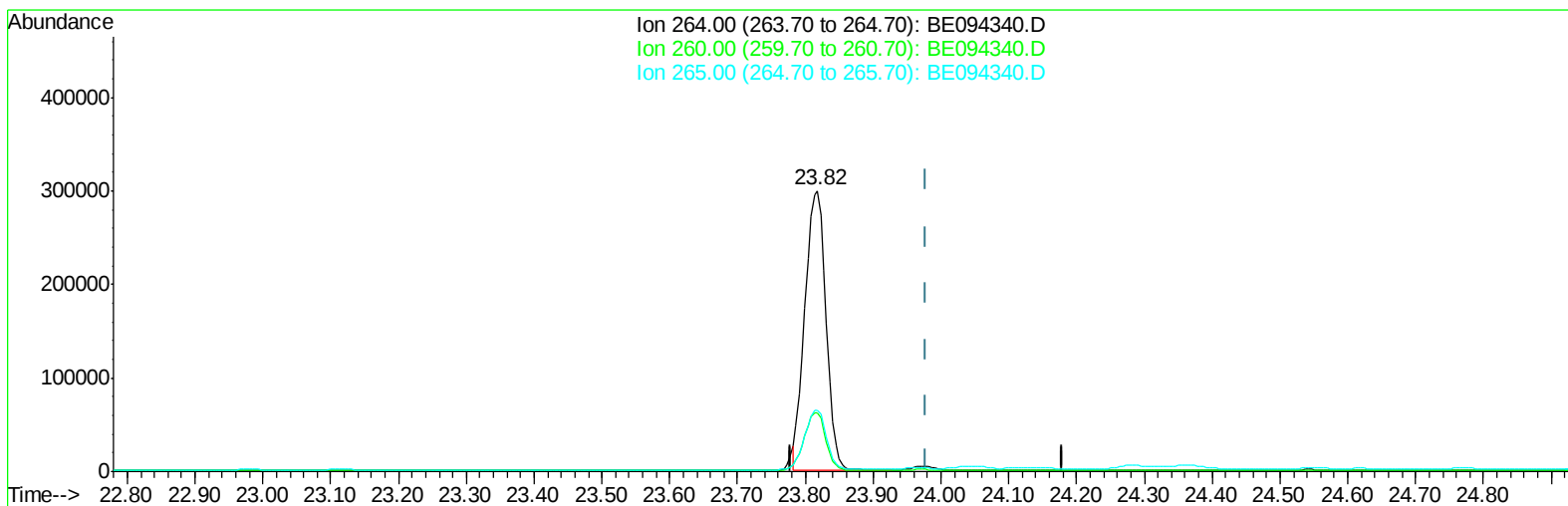
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Data File : BE094340.D
Acq On : 14 Oct 2017 1:31
Operator : SJ/JU
Sample : I5649-05MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-59(FILL)-100317MSD

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:08 PM

Quant Time: Oct 14 04:56:59 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 14 03:57:24 2017
Response via : Initial Calibration



TIC: BE094340.D

(20) Perylene-d12 (I)

23.818min (-0.161) 0.40ng/ul

response 644170

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.12#
265.00	103.50	21.89#
0.00	0.00	0.00

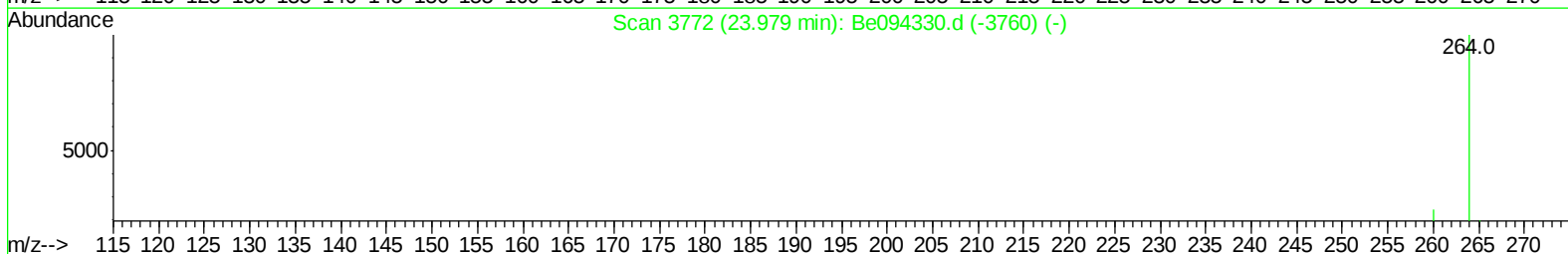
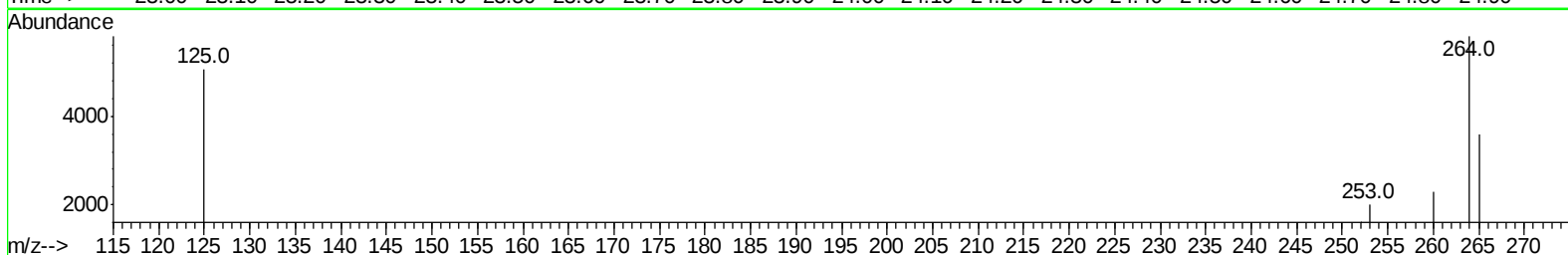
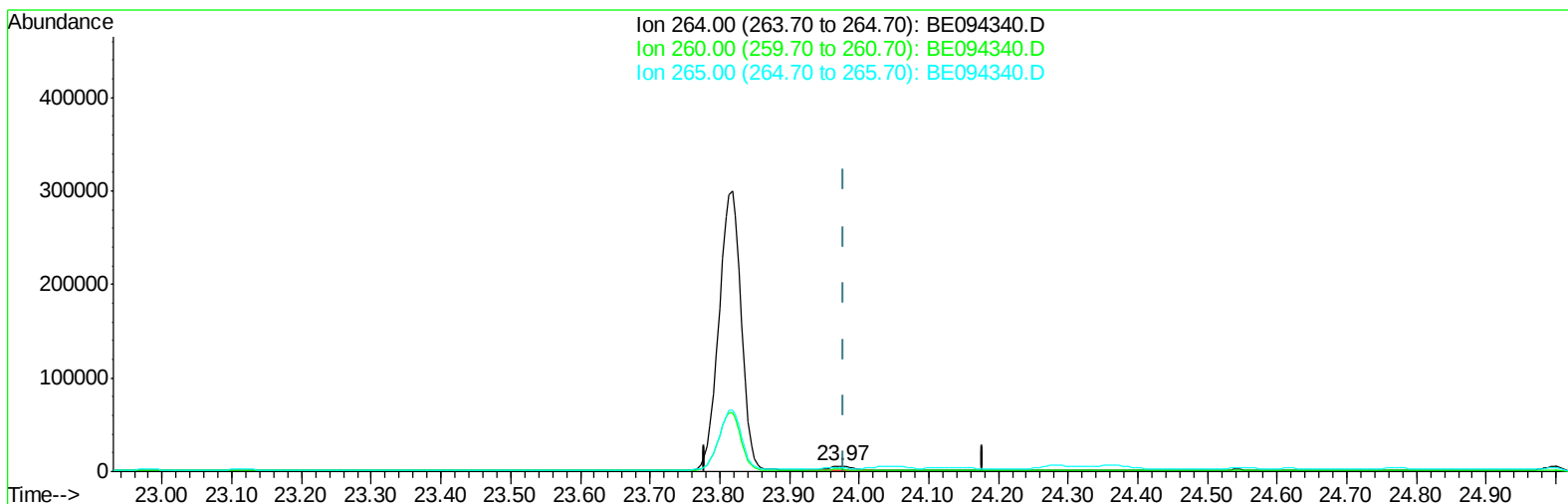
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\
Data File : BE094340.D
Acq On : 14 Oct 2017 1:31
Operator : SJ/JU
Sample : I5649-05MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-59(FILL)-100317MSD

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:08 PM

Quant Time: Oct 14 04:56:59 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 14 03:57:24 2017
Response via : Initial Calibration



TIC: BE094340.D

(20) Perylene-d12 (I)

23.973min (-0.006) 0.40ng/ul m

response 10909

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	39.46#
265.00	103.50	61.79#
0.00	0.00	0.00

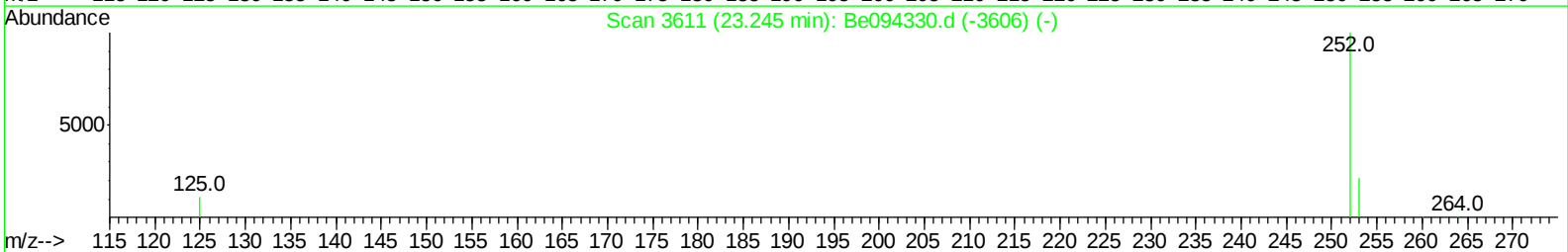
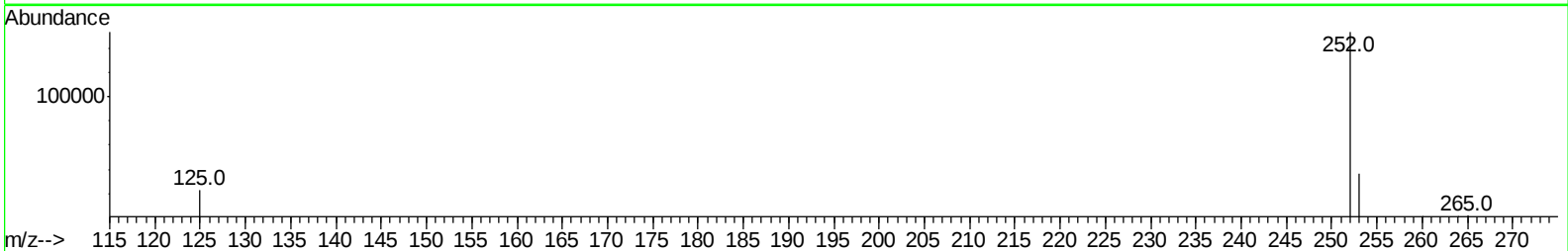
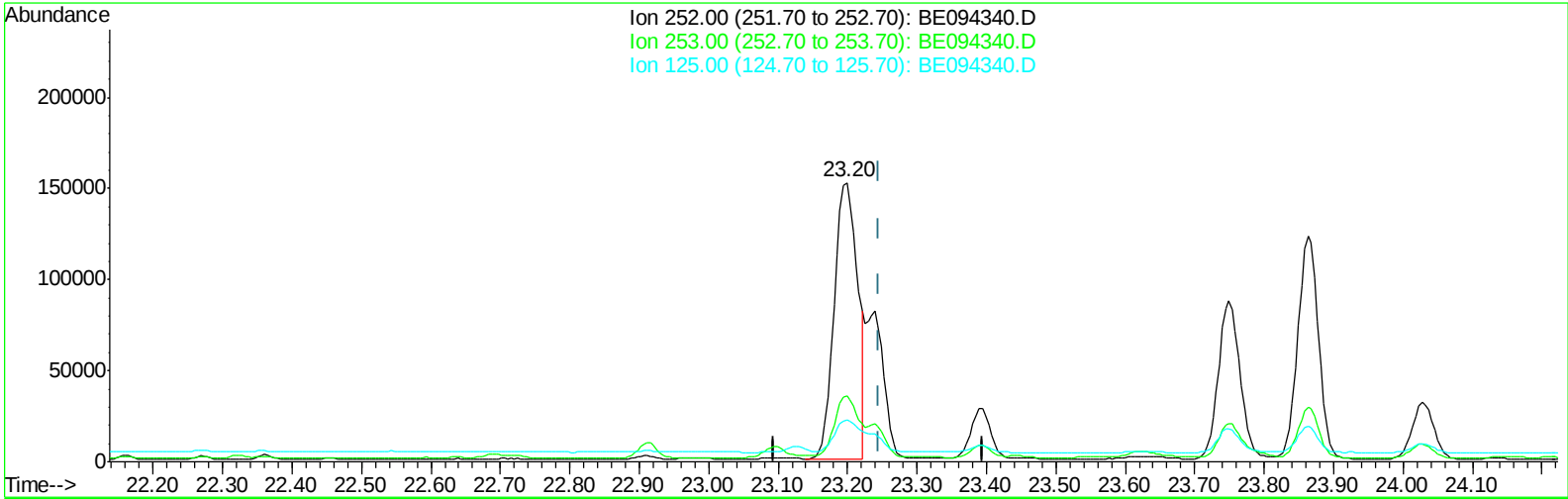
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\
Data File : BE094340.D
Acq On : 14 Oct 2017 1:31
Operator : SJ/JU
Sample : I5649-05MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-59(FILL)-100317MSD

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:08 PM

Quant Time: Oct 14 04:57:51 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 14 03:57:24 2017
Response via : Initial Calibration



TIC: BE094340.D

(22) Benzo(k)fluoranthene

23.198min (-0.047) 10.37ng/ul

response 355129

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.55#
125.00	17.10	14.88
0.00	0.00	0.00

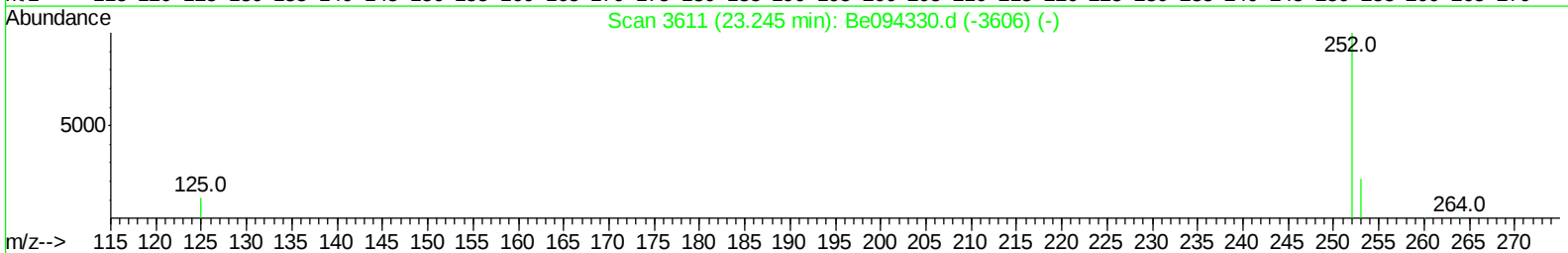
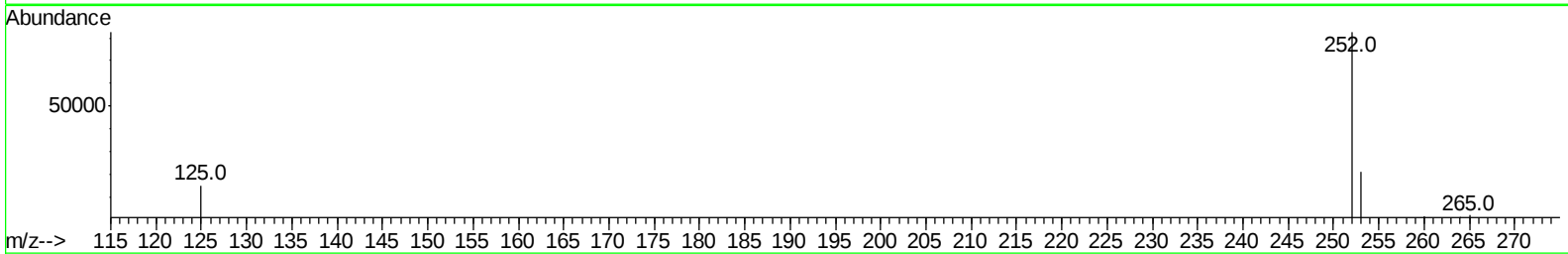
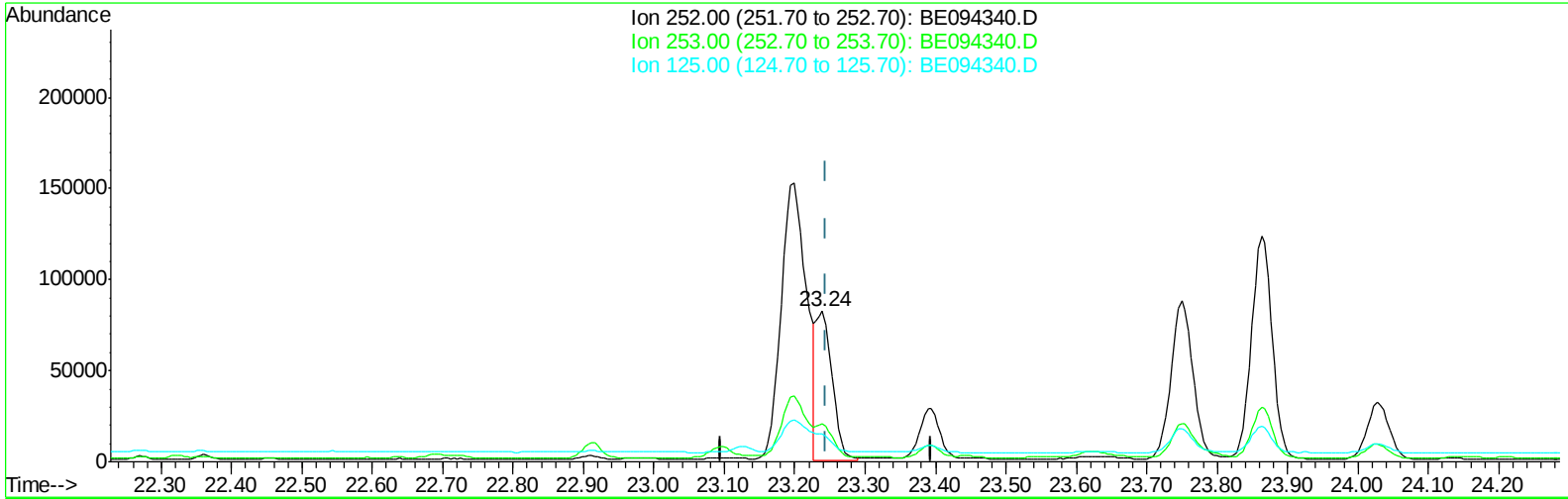
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Data File : BE094340.D
Acq On : 14 Oct 2017 1:31
Operator : SJ/JU
Sample : I5649-05MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-59(FILL)-100317MSD

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:08 PM

Quant Time: Oct 14 04:57:51 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 14 03:57:24 2017
Response via : Initial Calibration



TIC: BE094340.D

(22) Benzo(k)fluoranthene

23.239min (-0.006) 3.87ng/ul m

response 132621

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	25.44
125.00	17.10	18.18
0.00	0.00	0.00

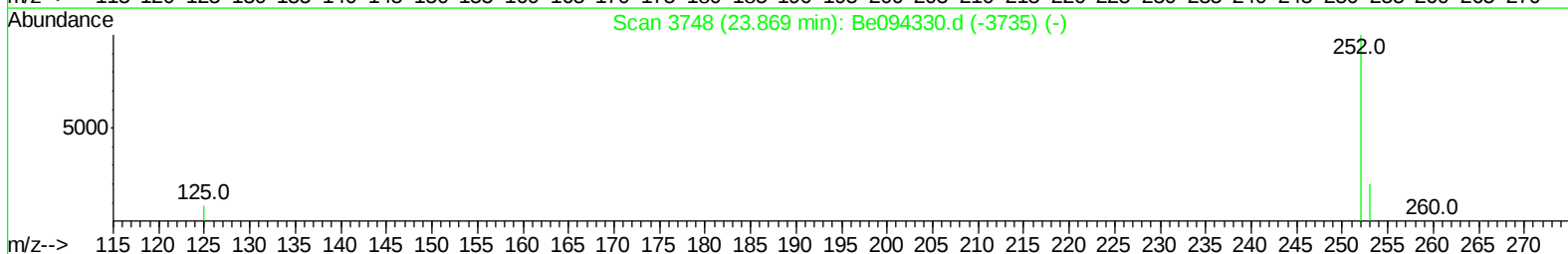
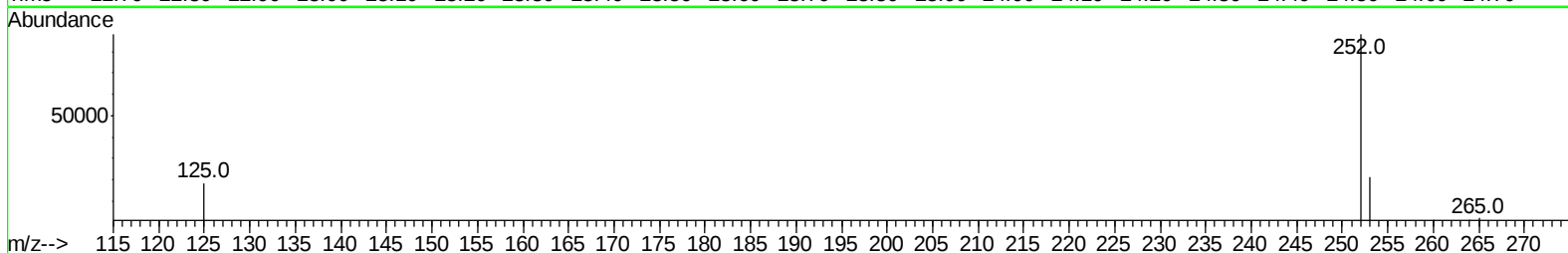
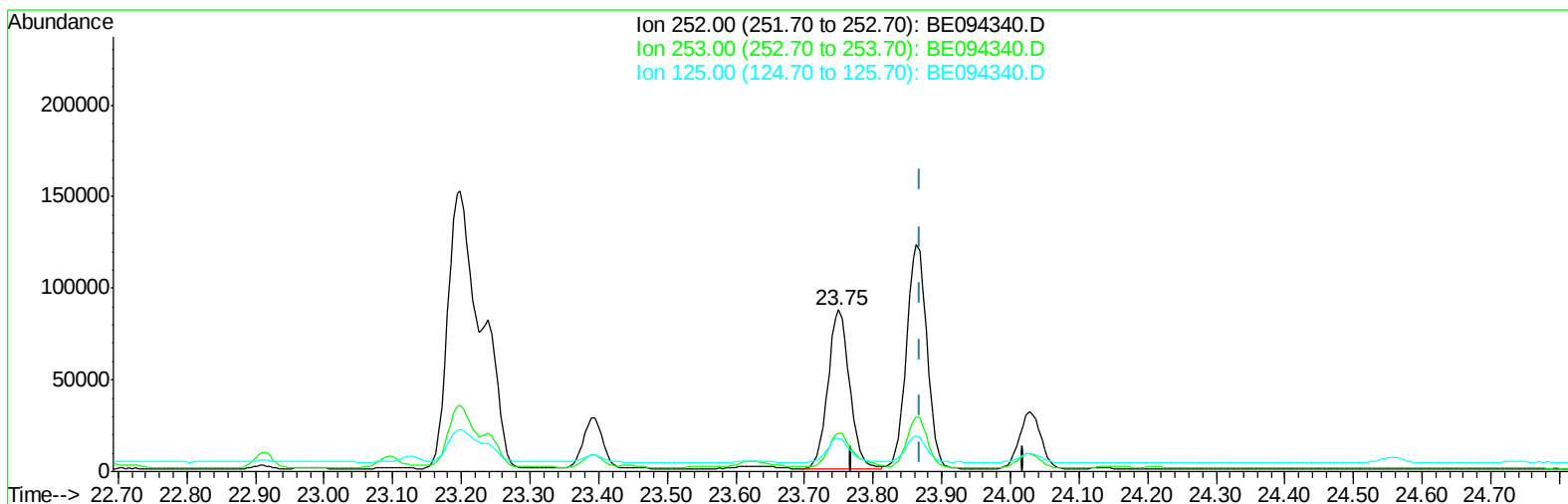
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\
Data File : BE094340.D
Acq On : 14 Oct 2017 1:31
Operator : SJ/JU
Sample : I5649-05MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-59(FILL)-100317MSD

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:08 PM

Quant Time: Oct 14 04:57:51 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
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Response via : Initial Calibration



TIC: BE094340.D

(23) Benzo(a)pyrene (C)

23.750min (-0.120) 6.18ng/ul

response 190249

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	24.03#
125.00	22.60	20.92
0.00	0.00	0.00

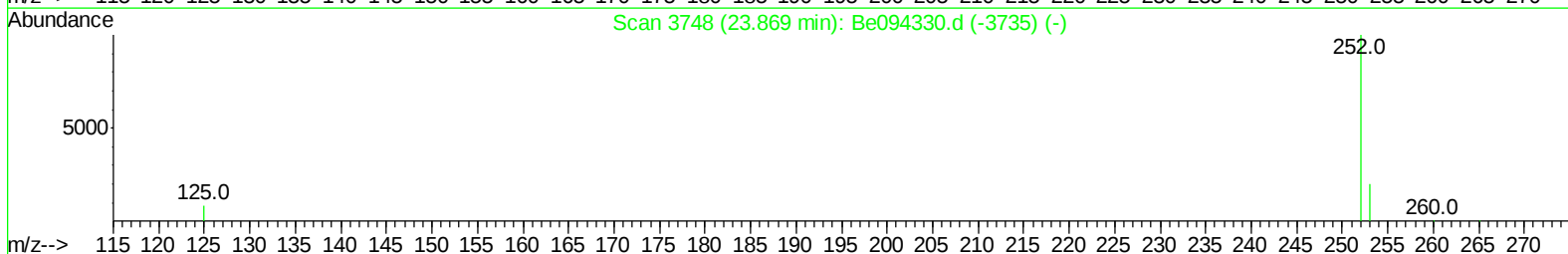
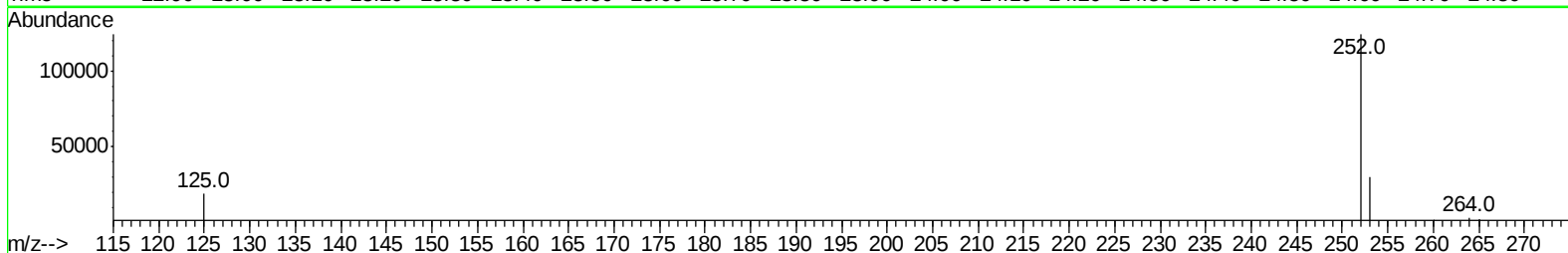
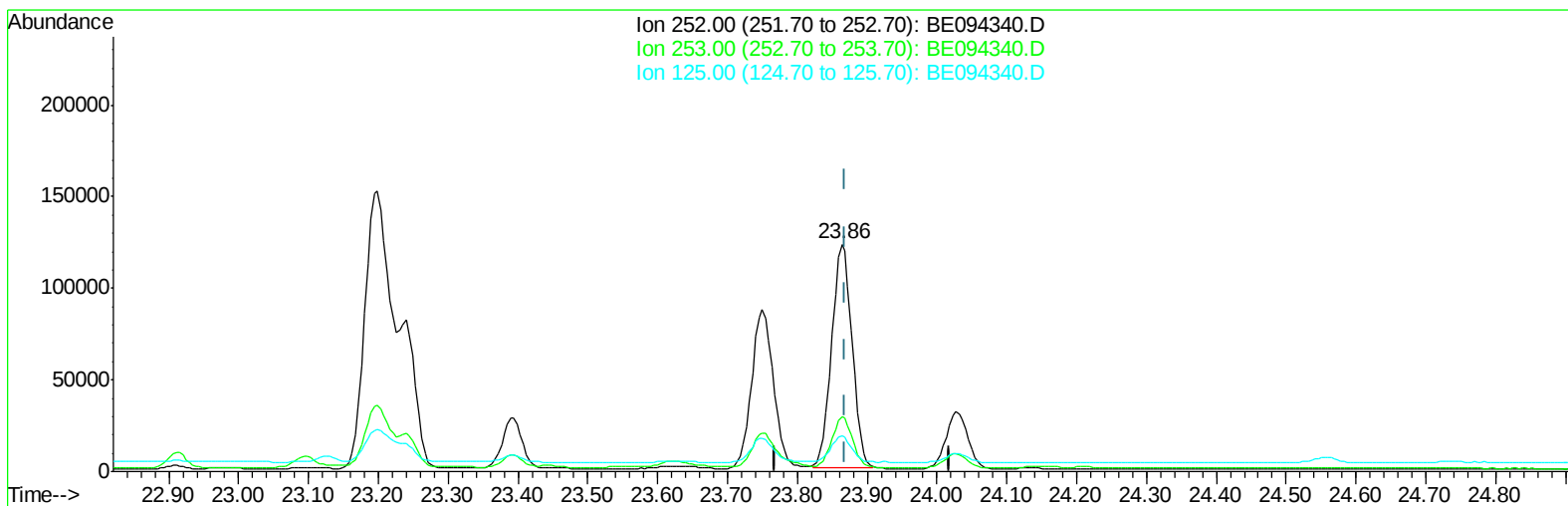
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\
Data File : BE094340.D
Acq On : 14 Oct 2017 1:31
Operator : SJ/JU
Sample : I5649-05MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-59(FILL)-100317MSD

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:08 PM

Quant Time: Oct 14 04:57:51 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 14 03:57:24 2017
Response via : Initial Calibration



TIC: BE094340.D

(23) Benzo(a)pyrene (C)

23.863min (-0.006) 8.03ng/ul m

response 247155

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	24.00#
125.00	22.60	15.79#
0.00	0.00	0.00

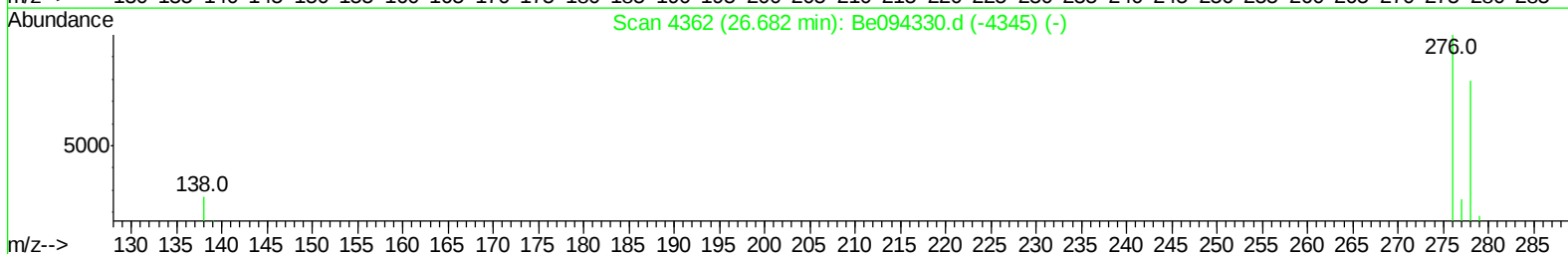
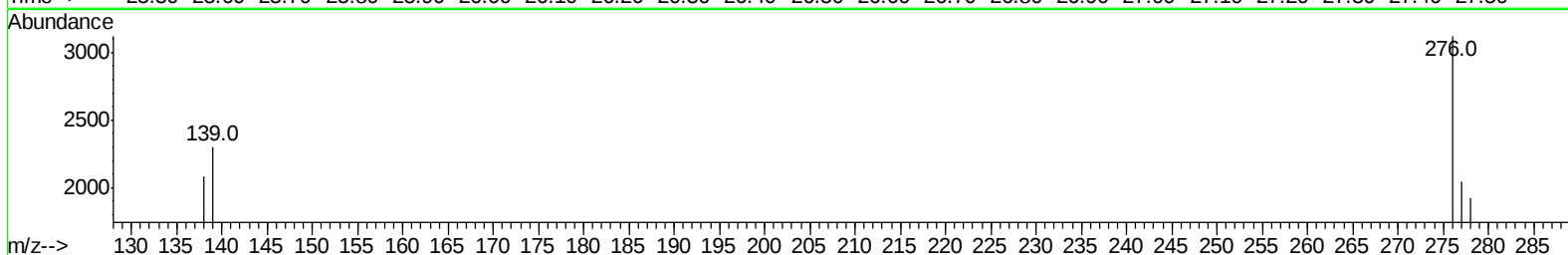
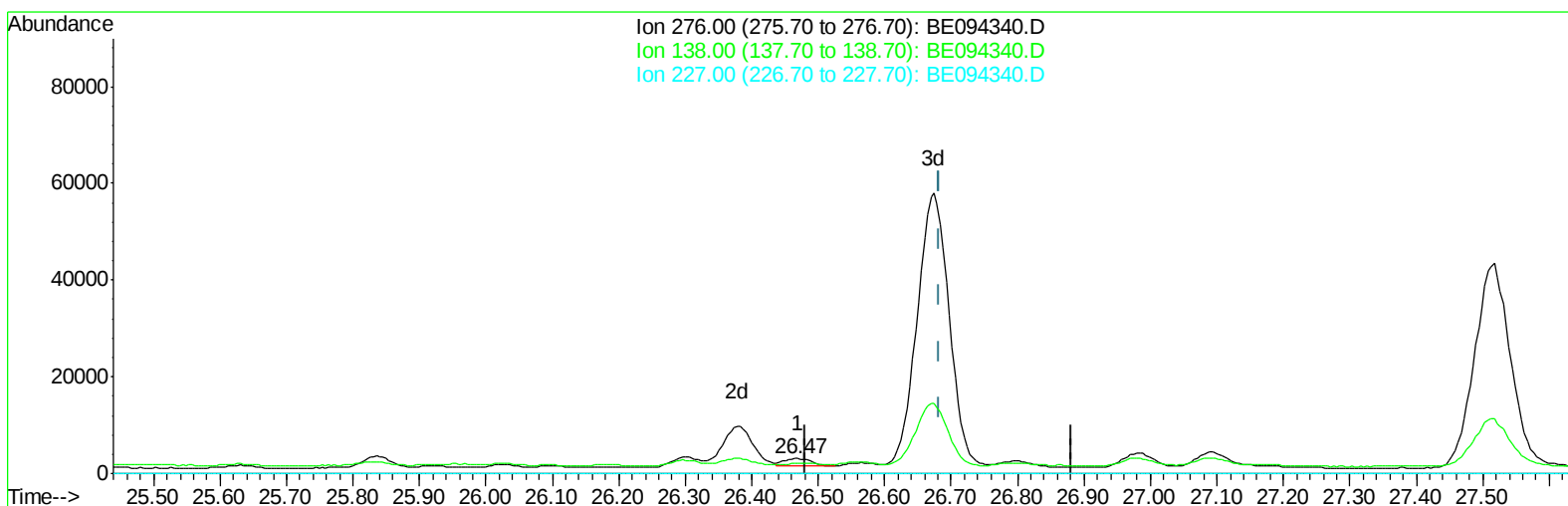
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Data File : BE094340.D
Acq On : 14 Oct 2017 1:31
Operator : SJ/JU
Sample : I5649-05MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-59(FILL)-100317MSD

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:08 PM

Quant Time: Oct 14 04:57:51 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
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Response via : Initial Calibration



TIC: BE094340.D

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

26.469min (-0.213) 0.15ng/ul

response 4739

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	21.12#
227.00	10.00	0.00#
0.00	0.00	0.00

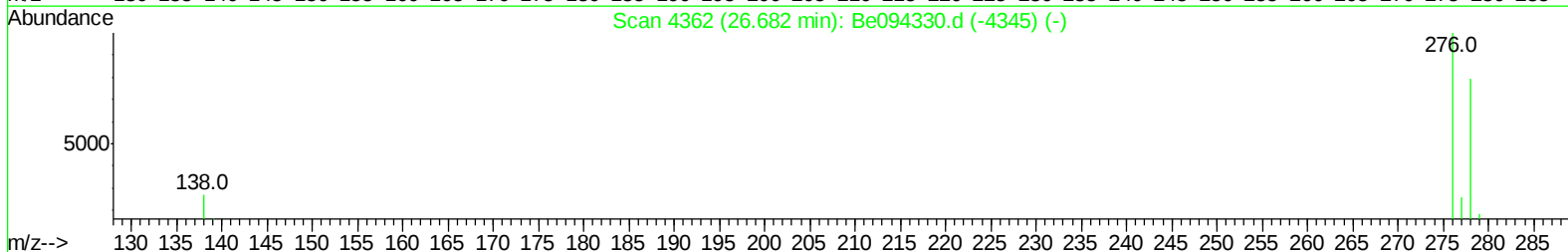
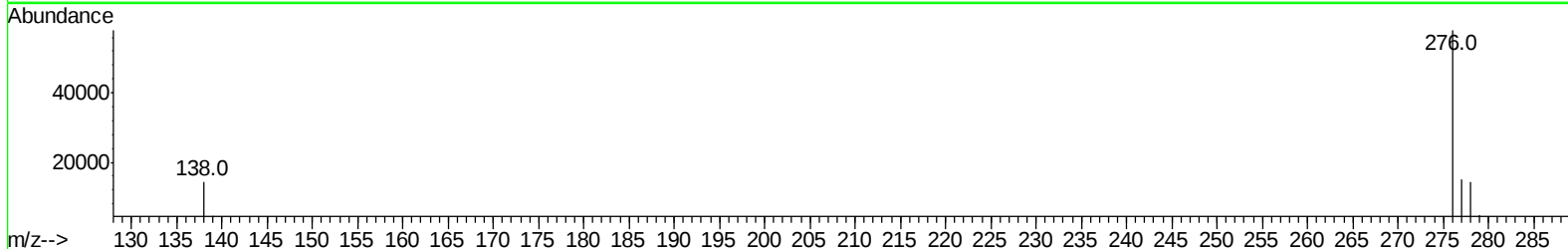
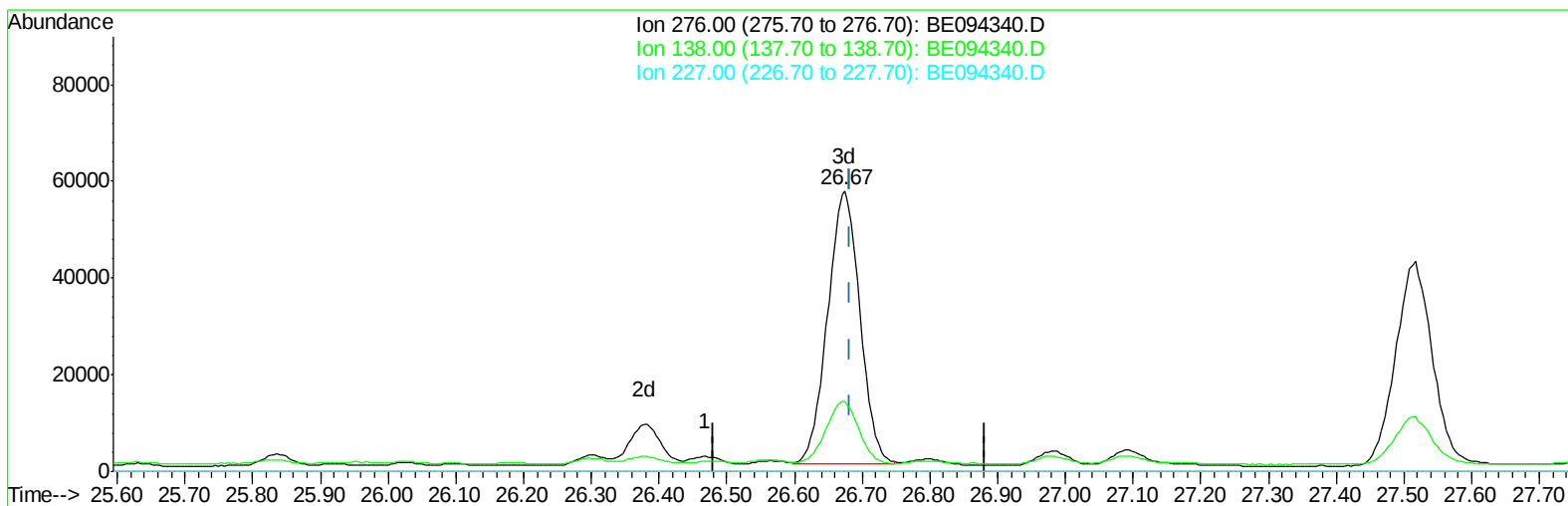
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Data File : BE094340.D
Acq On : 14 Oct 2017 1:31
Operator : SJ/JU
Sample : I5649-05MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-59(FILL)-100317MSD

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:08 PM

Quant Time: Oct 14 04:57:51 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 14 03:57:24 2017
Response via : Initial Calibration



TIC: BE094340.D

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

26.674min (-0.008) 5.94ng/ul m

response 186963

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	0.54#
227.00	10.00	0.00#
0.00	0.00	0.00

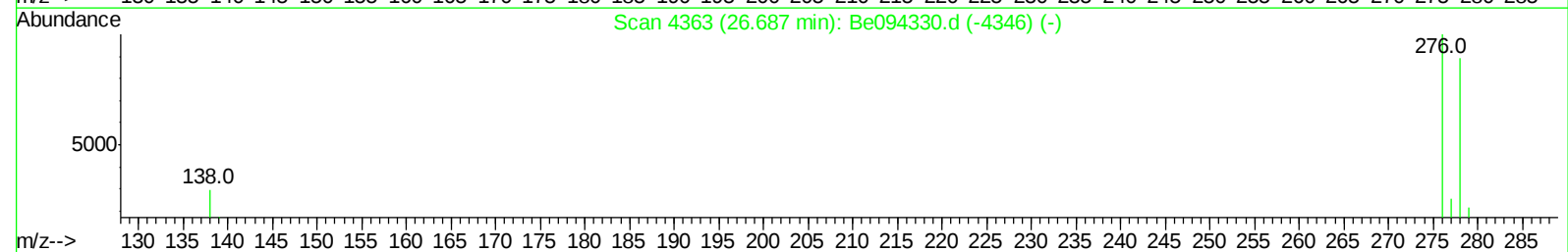
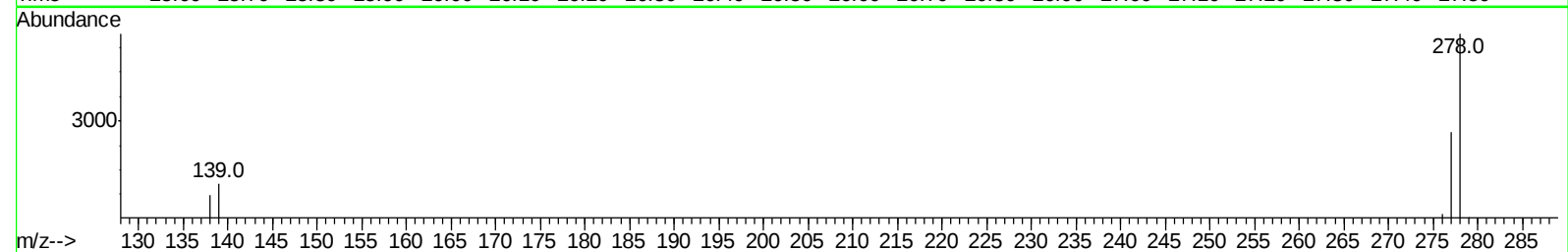
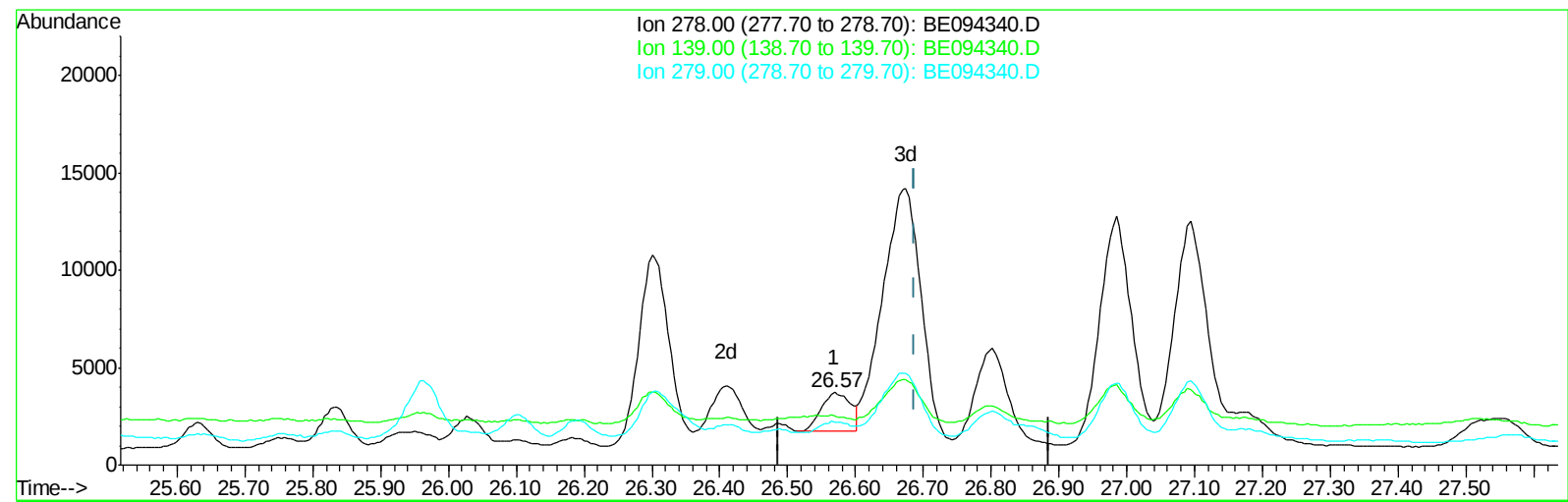
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Data File : BE094340.D
Acq On : 14 Oct 2017 1:31
Operator : SJ/JU
Sample : I5649-05MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-59(FILL)-100317MSD

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:08 PM

Quant Time: Oct 14 04:57:51 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: BE094340.D

(25) Dibenzo(a,h)anthracene

26.569min (-0.117) 0.23ng/ul

response 6067

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	67.02#
279.00	32.40	59.45#
0.00	0.00	0.00

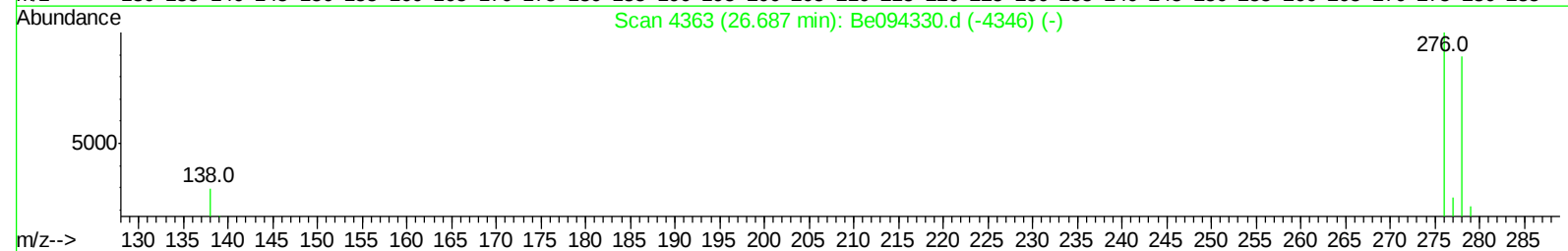
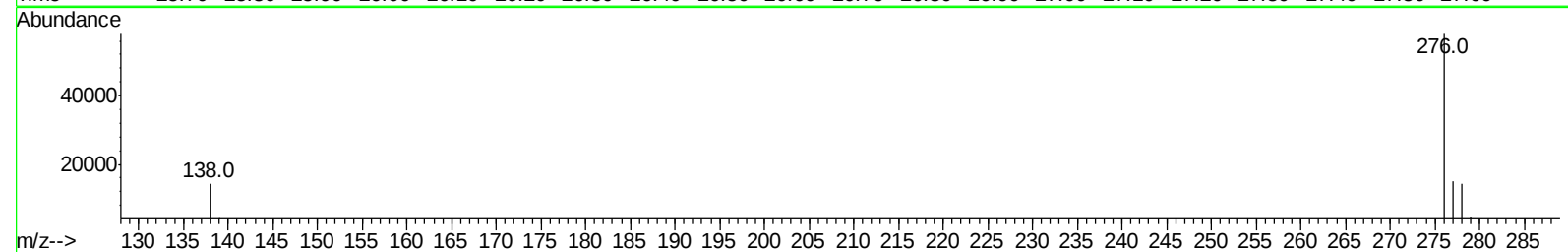
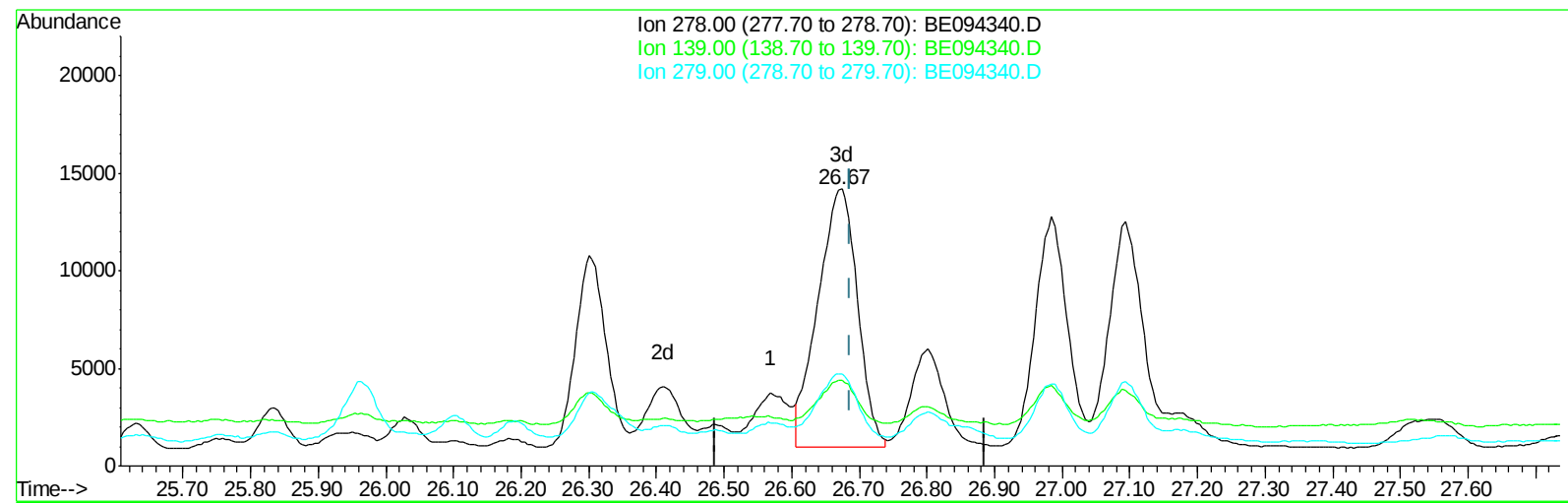
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Data File : BE094340.D
Acq On : 14 Oct 2017 1:31
Operator : SJ/JU
Sample : I5649-05MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-59(FILL)-100317MSD

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:08 PM

Quant Time: Oct 14 04:57:51 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 14 03:57:24 2017
Response via : Initial Calibration



TIC: BE094340.D

(25) Dibenzo(a,h)anthracene

26.674min (-0.013) 2.03ng/ul m

response 53588

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	31.00#
279.00	32.40	33.29
0.00	0.00	0.00

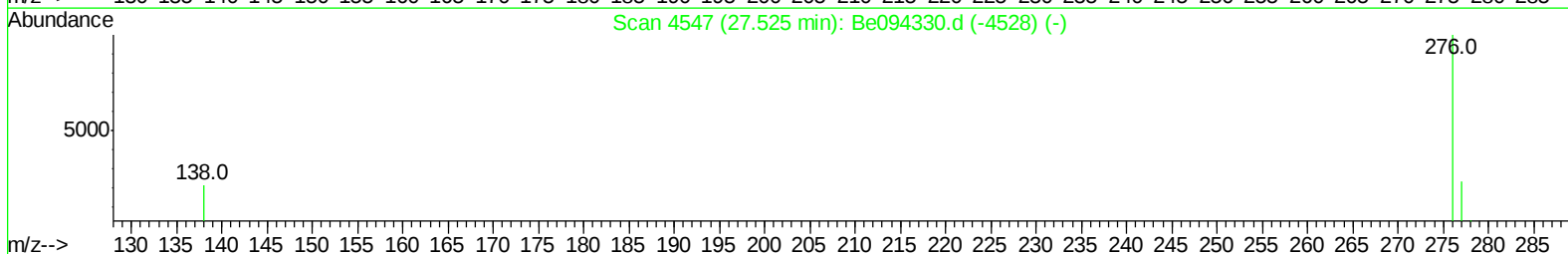
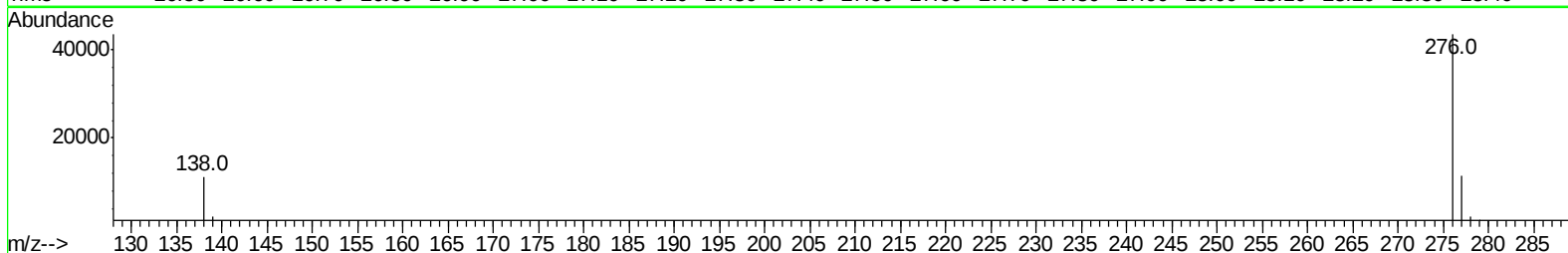
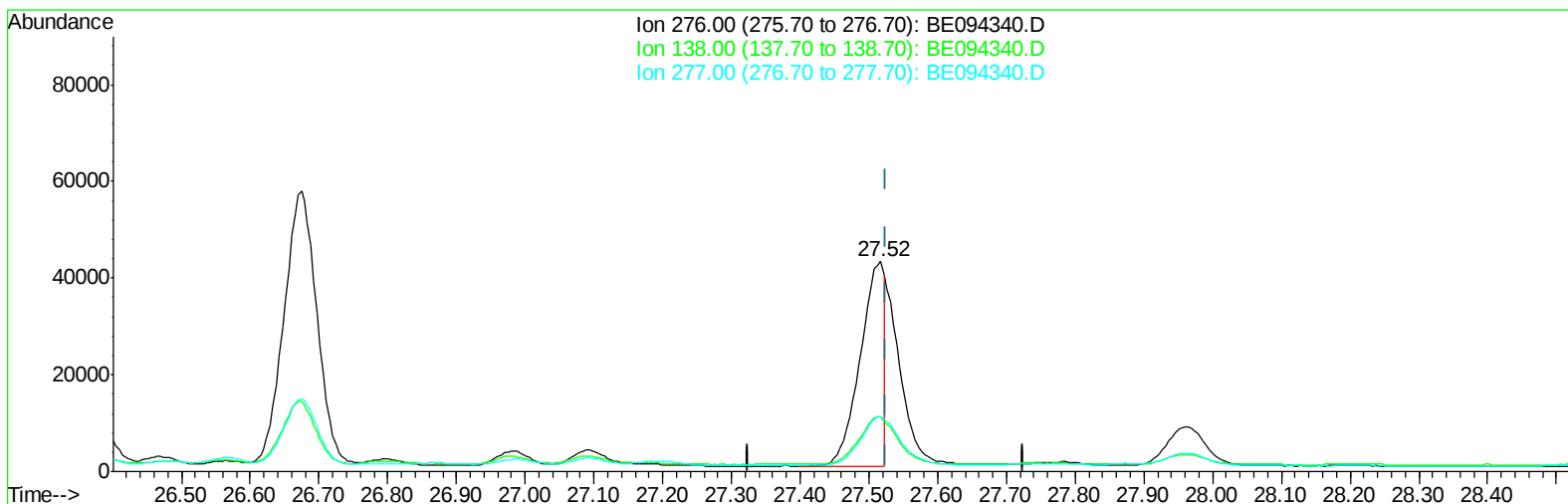
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\
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Sample : I5649-05MSD
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Instrument :
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Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:08 PM

Quant Time: Oct 14 04:57:51 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
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Response via : Initial Calibration



TIC: BE094340.D

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

27.517min (-0.008) 3.76ng/ul

response 102078

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	25.93
277.00	25.60	26.06
0.00	0.00	0.00

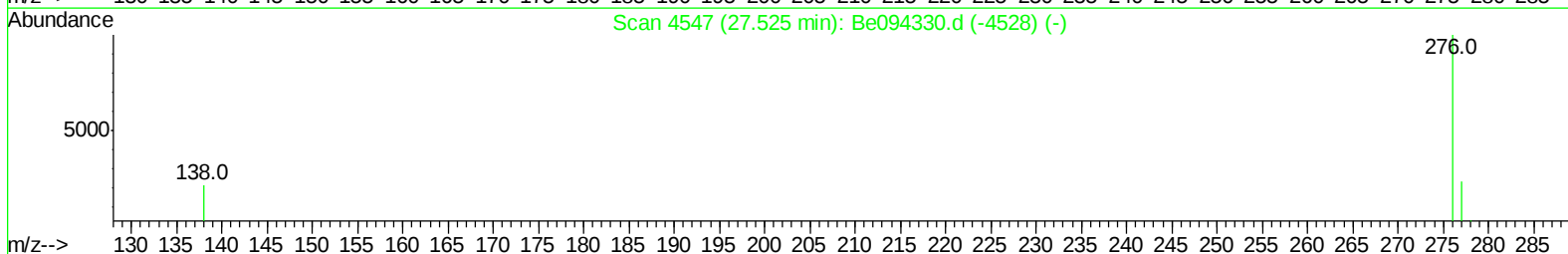
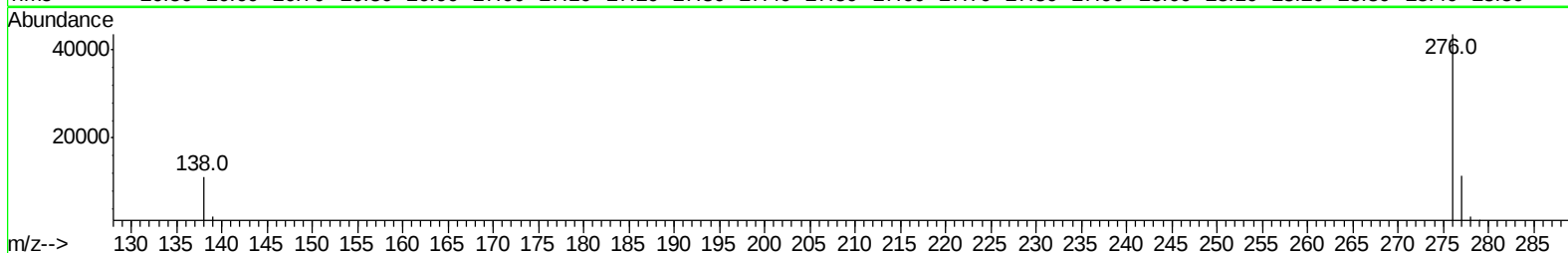
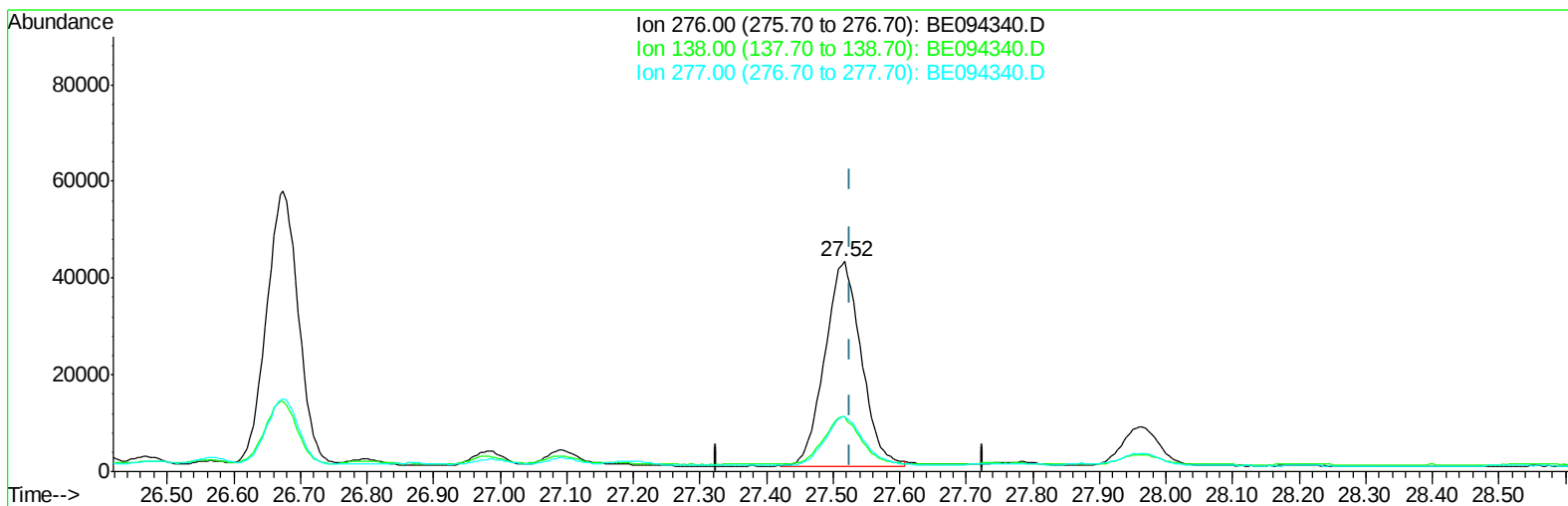
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\
Data File : BE094340.D
Acq On : 14 Oct 2017 1:31
Operator : SJ/JU
Sample : I5649-05MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-59(FILL)-100317MSD

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:08 PM

Quant Time: Oct 14 04:57:51 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 14 03:57:24 2017
Response via : Initial Calibration



TIC: BE094340.D

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

27.517min (-0.008) 5.99ng/ul m

response 162629

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	25.93
277.00	25.60	26.06
0.00	0.00	0.00

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Sohil
 10/16/2017 8:23:08 PM

Quant Time: Oct 14 05:01:16 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 14 03:57:24 2017
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1710	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	8987	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	5403	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.27	188	11241m	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	10184	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	10909m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	4434	0.32	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	9650	0.26	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.76	128	29714	1.350	ng/ul#	92
5) 2-Methylnaphthalene	12.37	142	8679	0.608	ng/ul	98
7) Acenaphthylene	14.26	152	21904	1.040	ng/ul	97
8) Acenaphthene	14.59	153	11811	0.681	ng/ul	97
9) Fluorene	15.58	166	9369	0.461	ng/ul	95
11) Pentachlorophenol	16.96	266	267	0.202	ng/ul#	87
12) Phenanthrene	17.31	178	222922	7.589	ng/ul#	92
13) Anthracene	17.40	178	59914	2.097	ng/ul#	91
15) Fluoranthene	19.33	202	529053	13.707	ng/ul	84
17) Pyrene	19.69	202	501182	17.687	ng/ul#	83
18) Benzo(a)anthracene	21.42	228	279684	10.352	ng/ul#	87
19) Chrysene	21.47	228	283931	9.100	ng/ul	98
21) Benzo(b)fluoranthene	23.20	252	375394	12.668	ng/ul	88
22) Benzo(k)fluoranthene	23.24	252	132621m	3.872	ng/ul	
23) Benzo(a)pyrene	23.86	252	247155m	8.026	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.67	276	186963m	5.935	ng/ul	
25) Dibenzo(a,h)anthracene	26.67	278	53588m	2.028	ng/ul	
26) Benzo(g,h,i)perylene	27.52	276	162629m	5.985	ng/ul	

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

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