

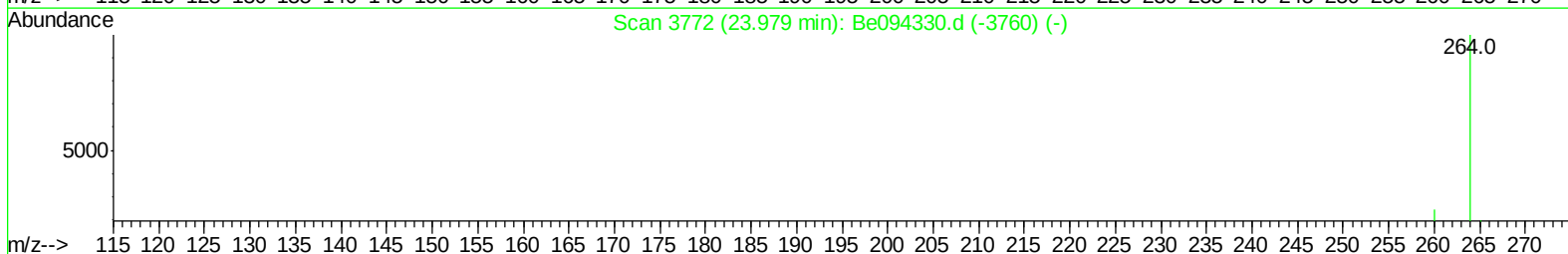
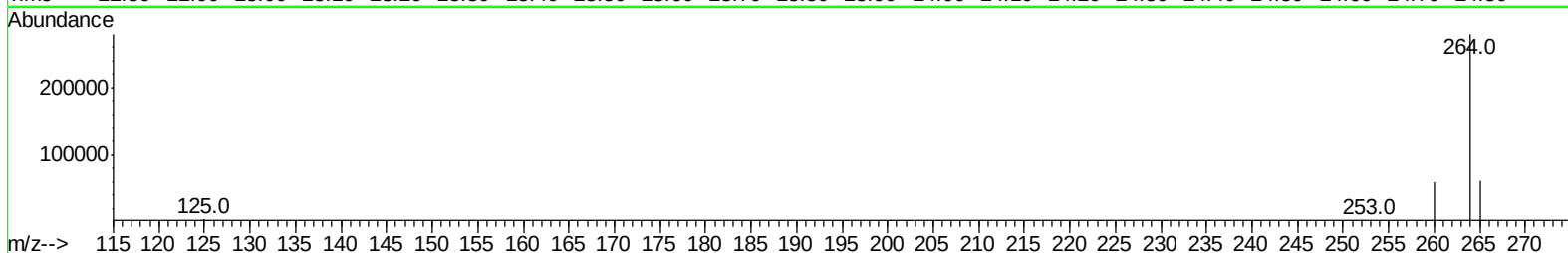
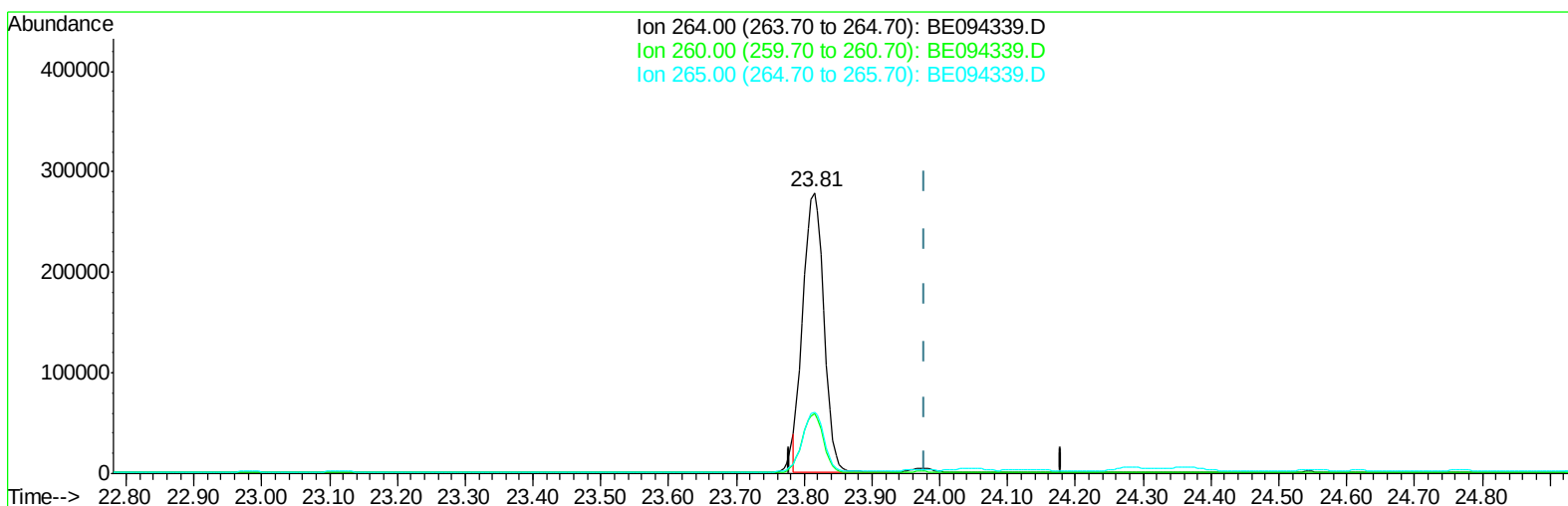
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\
Data File : BE094339.D
Acq On : 14 Oct 2017 00:55
Operator : SJ/JU
Sample : I5649-04MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:06 PM

Quant Time: Oct 14 04:02:54 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: BE094339.D

(20) Perylene-d12 (I)

23.815min (-0.164) 0.40ng/ul

response 594198

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.15#
265.00	103.50	21.87#
0.00	0.00	0.00

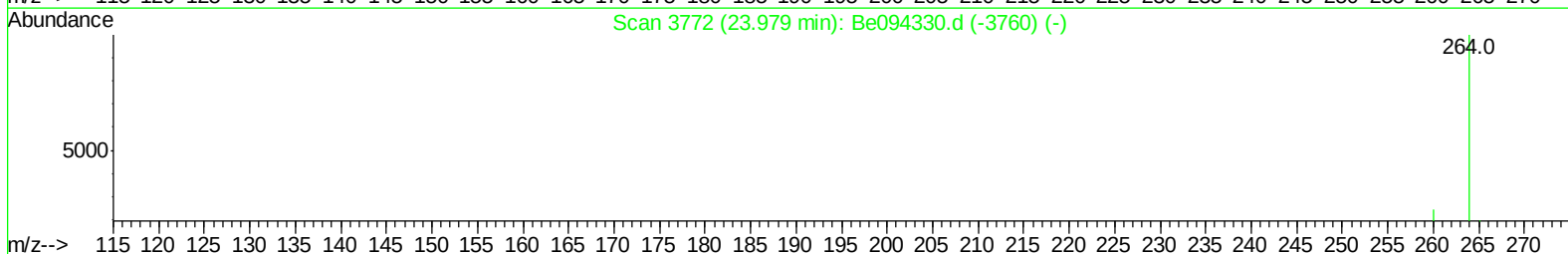
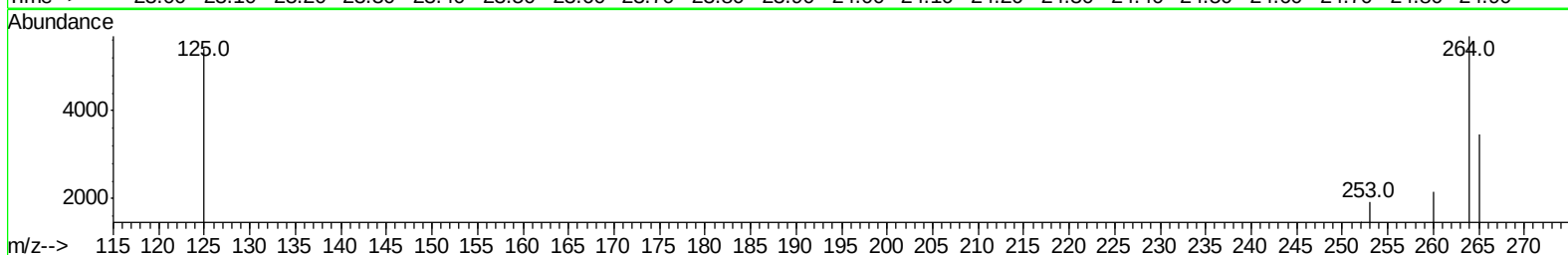
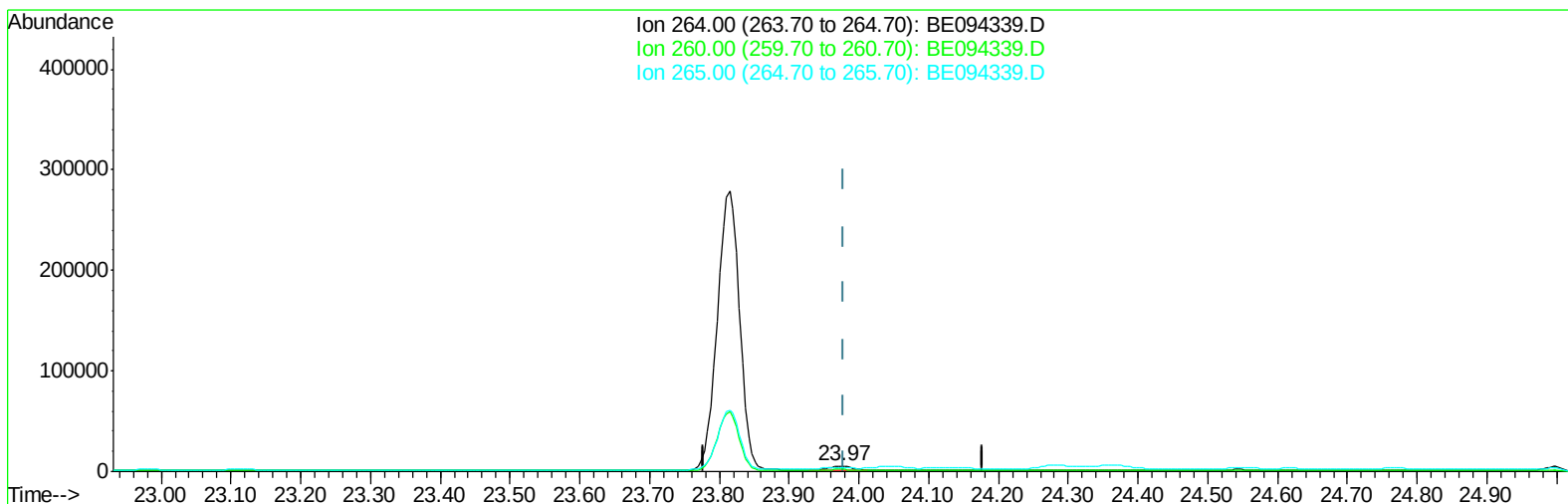
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Data File : BE094339.D
Acq On : 14 Oct 2017 00:55
Operator : SJ/JU
Sample : I5649-04MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

Manual Integrations
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Sohil
10/16/2017 8:23:06 PM

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QLast Update : Sat Oct 14 03:57:24 2017
Response via : Initial Calibration



TIC: BE094339.D

(20) Perylene-d12 (I)

23.974min (-0.004) 0.40ng/ul m

response 10212

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	38.11#
265.00	103.50	60.96#
0.00	0.00	0.00

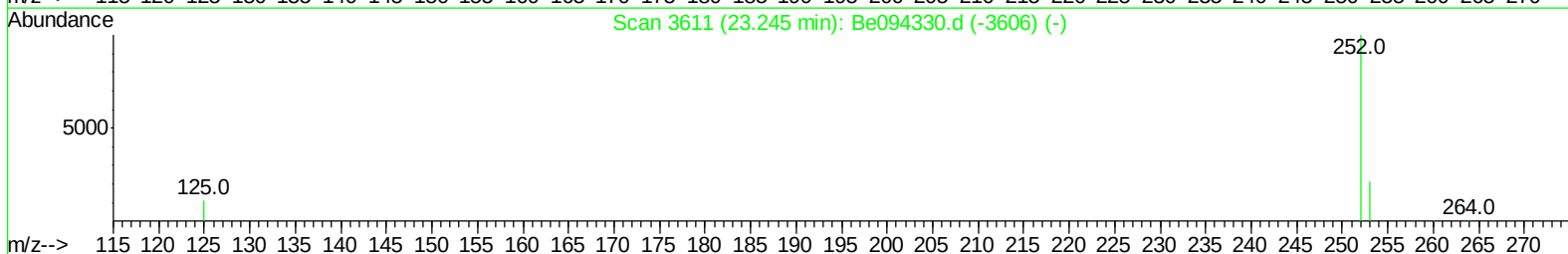
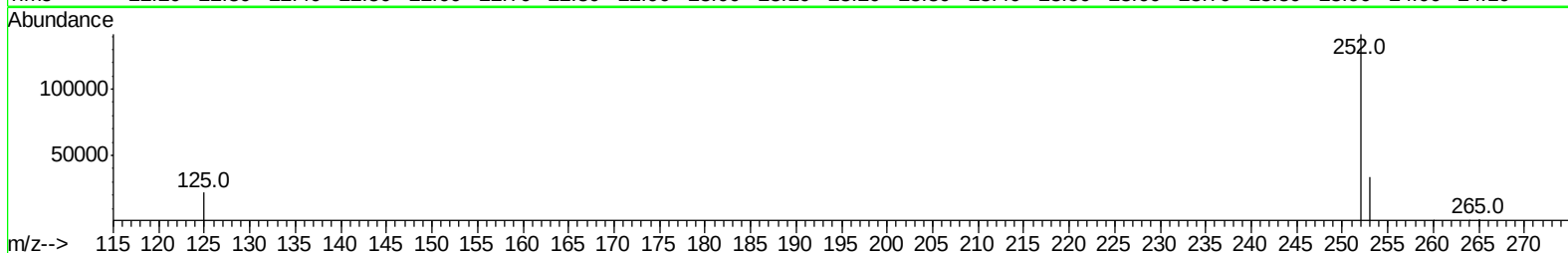
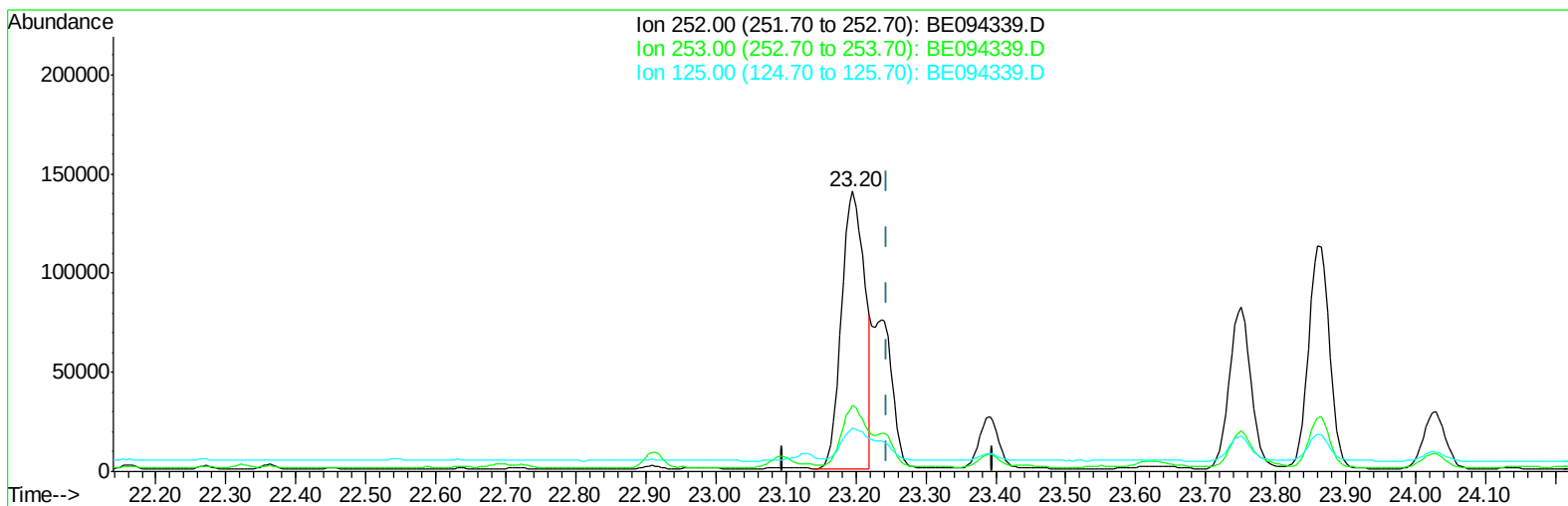
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\
Data File : BE094339.D
Acq On : 14 Oct 2017 00:55
Operator : SJ/JU
Sample : I5649-04MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:06 PM

Quant Time: Oct 14 04:02:54 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: BE094339.D

(22) Benzo(k)fluoranthene
23.196min (-0.050) 9.94ng/ul
response 318577

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.78#
125.00	17.10	15.32
0.00	0.00	0.00

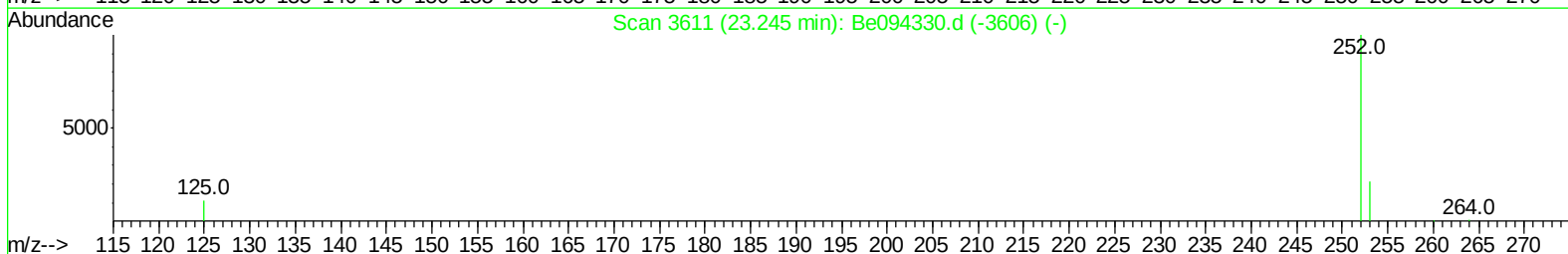
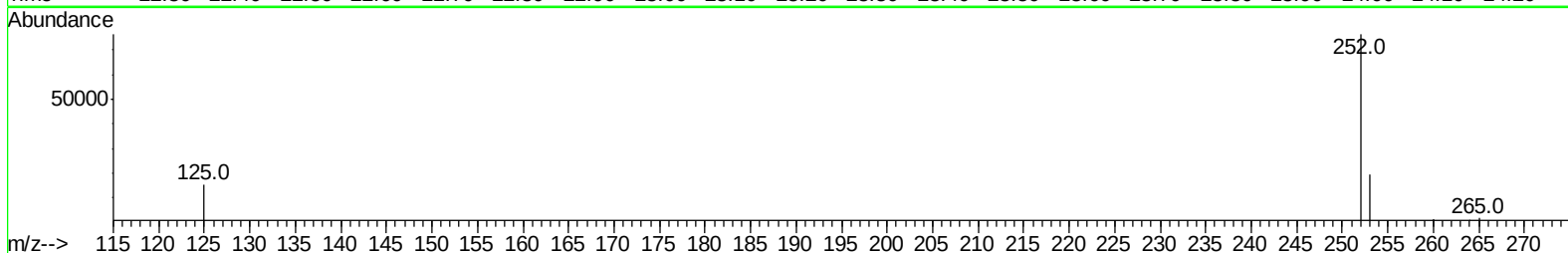
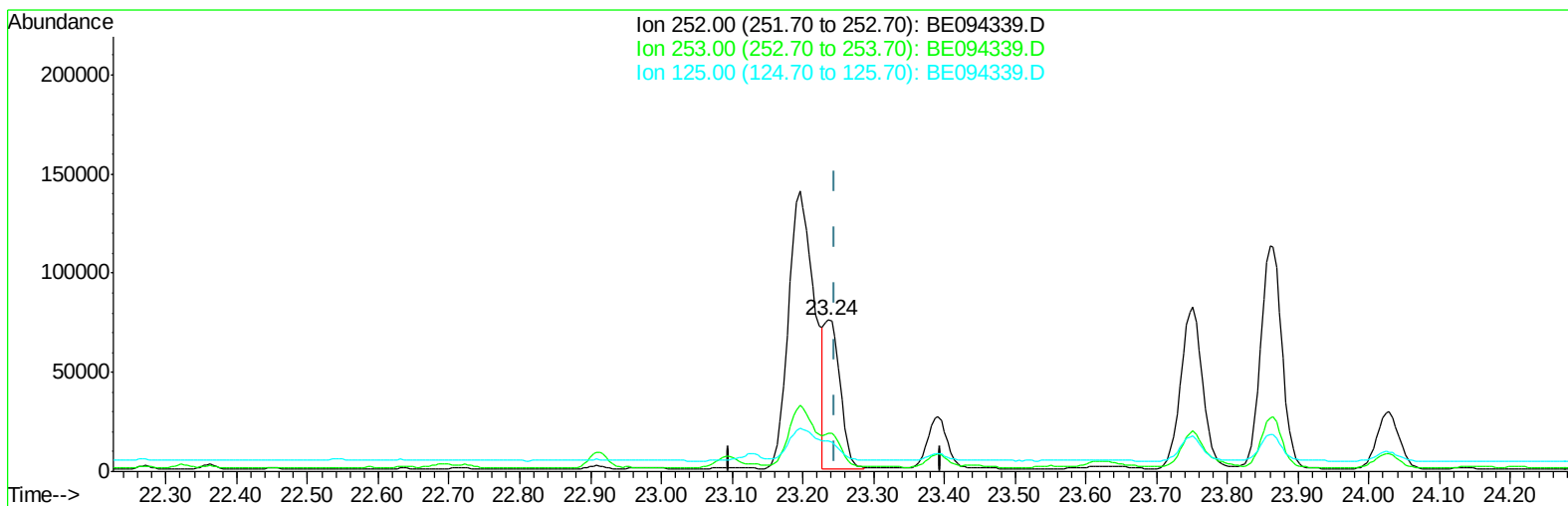
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\
Data File : BE094339.D
Acq On : 14 Oct 2017 00:55
Operator : SJ/JU
Sample : I5649-04MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:06 PM

Quant Time: Oct 14 04:02:54 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
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QLast Update : Sat Oct 14 03:57:24 2017
Response via : Initial Calibration



TIC: BE094339.D

(22) Benzo(k)fluoranthene

23.237min (-0.009) 3.58ng/ul m

response 114917

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	25.40
125.00	17.10	20.01
0.00	0.00	0.00

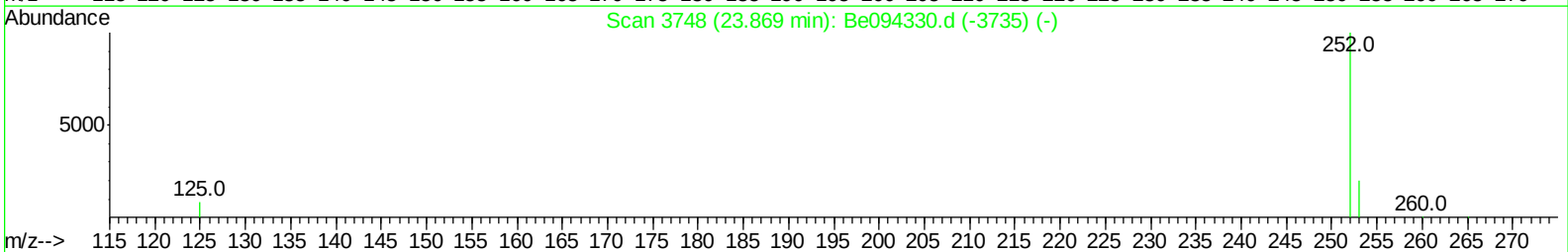
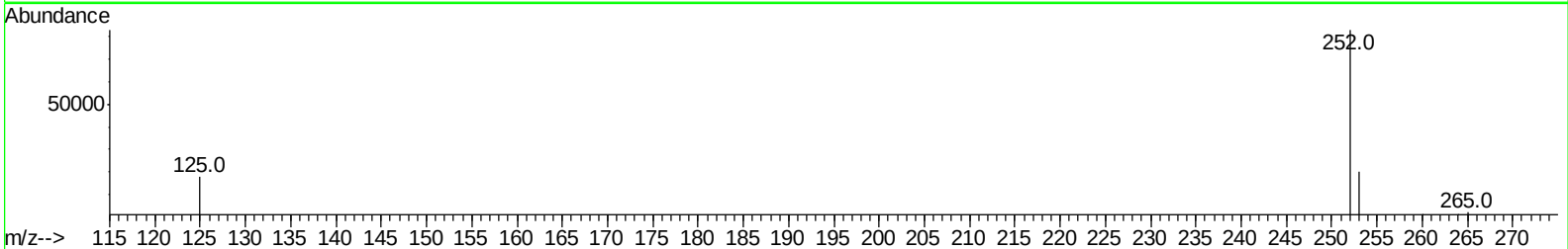
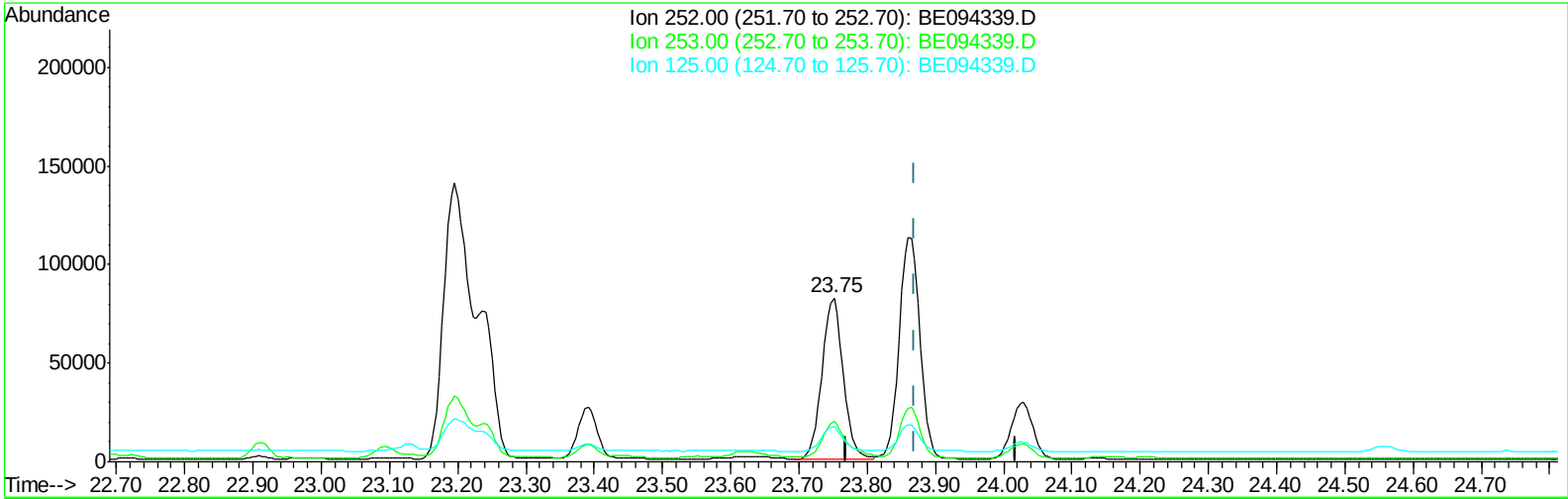
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\
Data File : BE094339.D
Acq On : 14 Oct 2017 00:55
Operator : SJ/JU
Sample : I5649-04MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:06 PM

Quant Time: Oct 14 04:02:54 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: BE094339.D

(23) Benzo(a)pyrene (C)
23.751min (-0.118) 6.13ng/ul
response 176767

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	24.41#
125.00	22.60	21.40
0.00	0.00	0.00

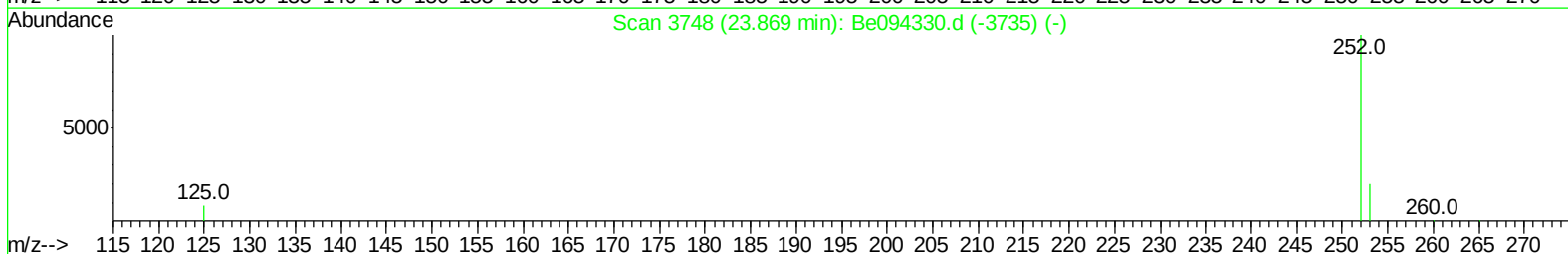
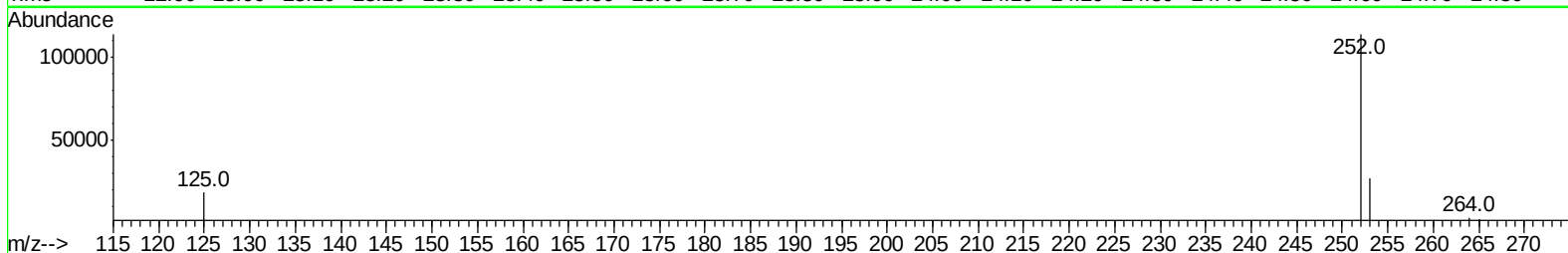
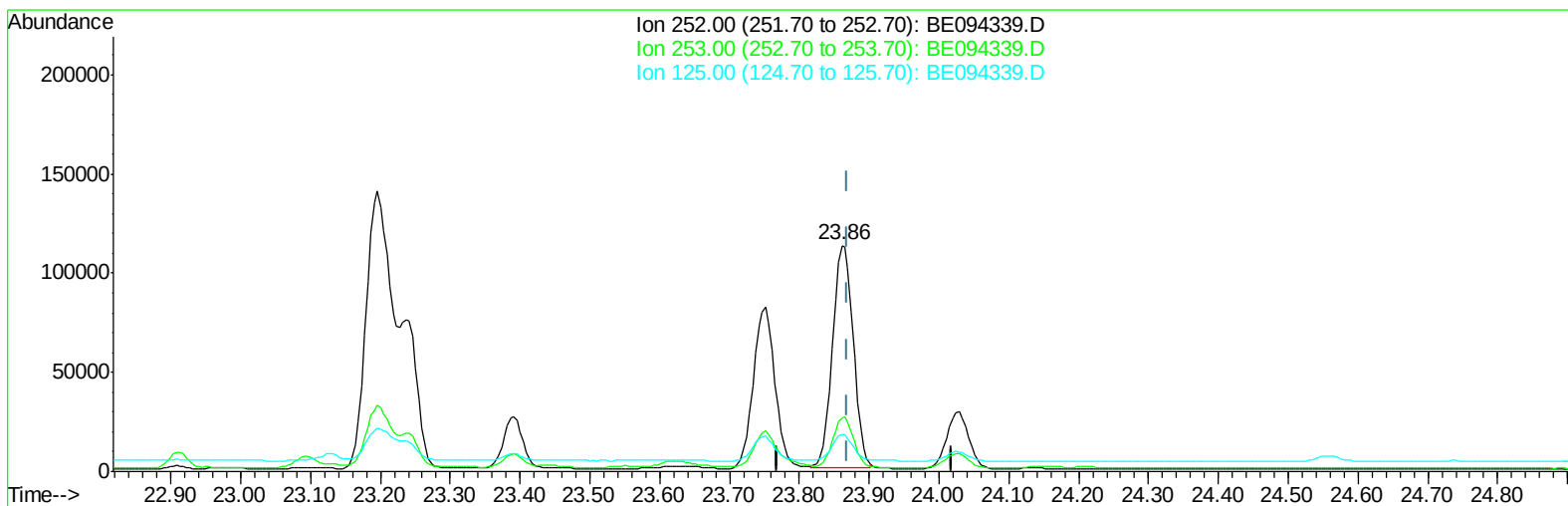
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Data File : BE094339.D
Acq On : 14 Oct 2017 00:55
Operator : SJ/JU
Sample : I5649-04MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:06 PM

Quant Time: Oct 14 04:02:54 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: BE094339.D

(23) Benzo(a)pyrene (C)

23.860min (-0.009) 8.02ng/ul m

response 231264

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	23.92#
125.00	22.60	16.44#
0.00	0.00	0.00

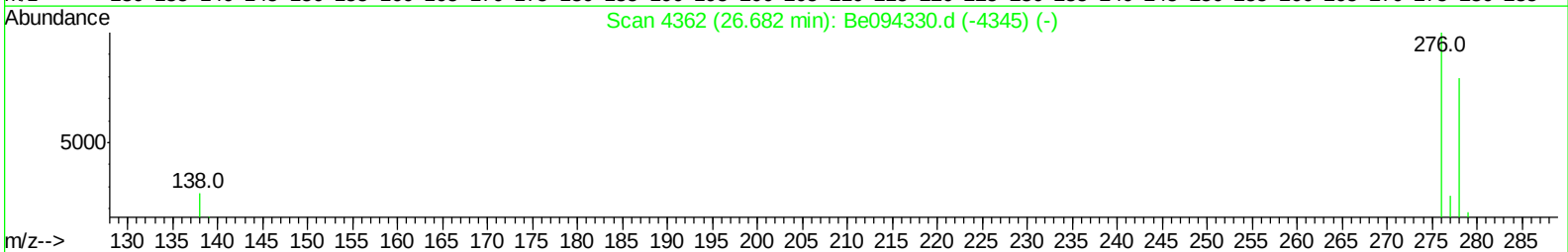
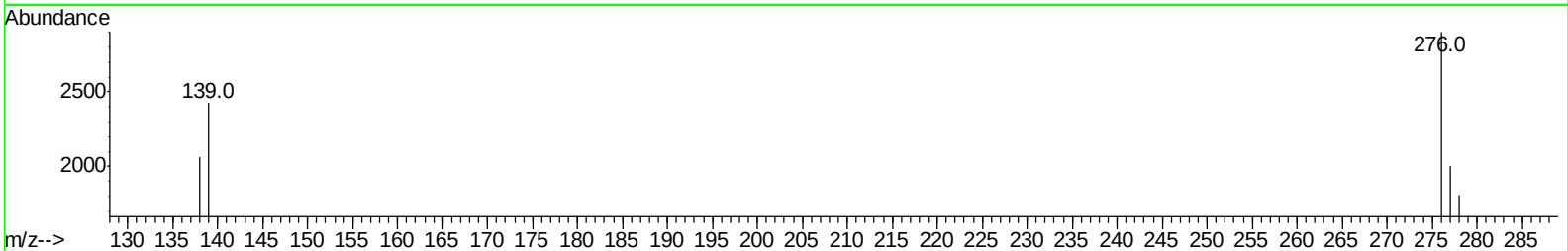
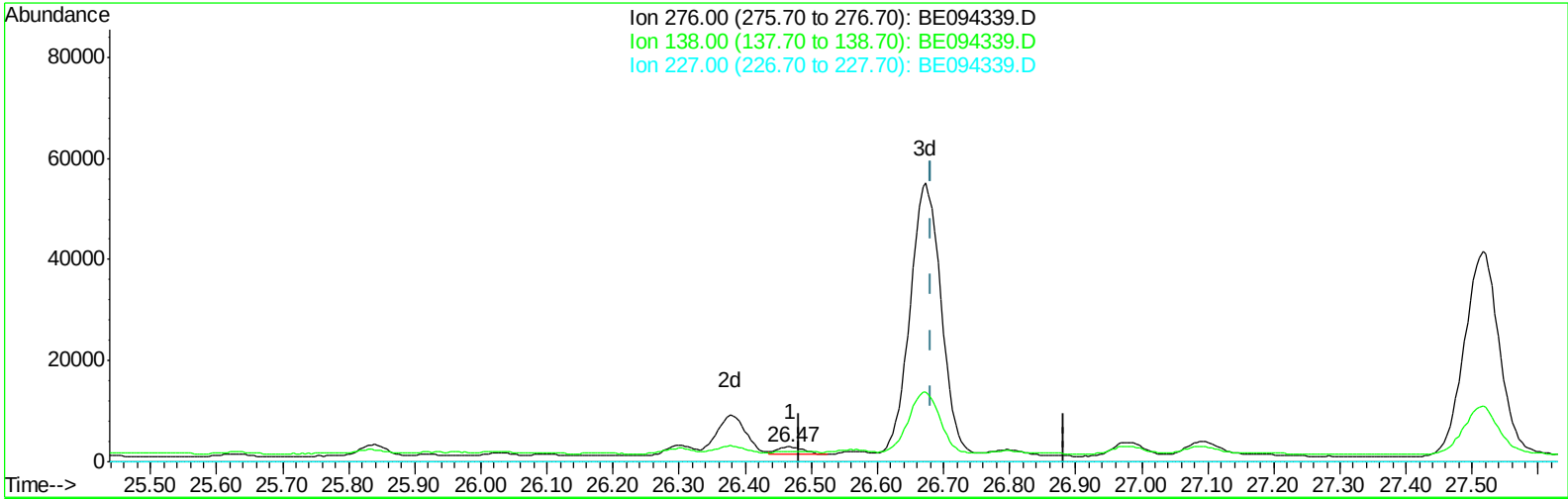
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Data File : BE094339.D
Acq On : 14 Oct 2017 00:55
Operator : SJ/JU
Sample : I5649-04MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:06 PM

Quant Time: Oct 14 04:02:54 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: BE094339.D

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

26.468min (-0.214) 0.15ng/ul

response 4279

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	21.94#
227.00	10.00	0.00#
0.00	0.00	0.00

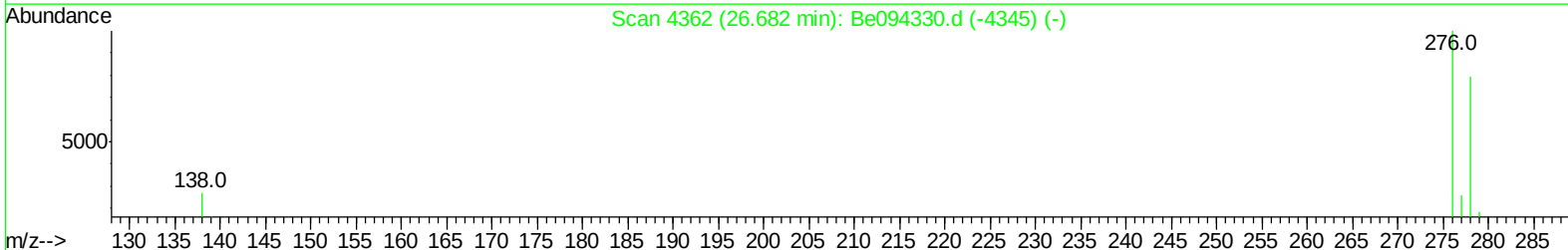
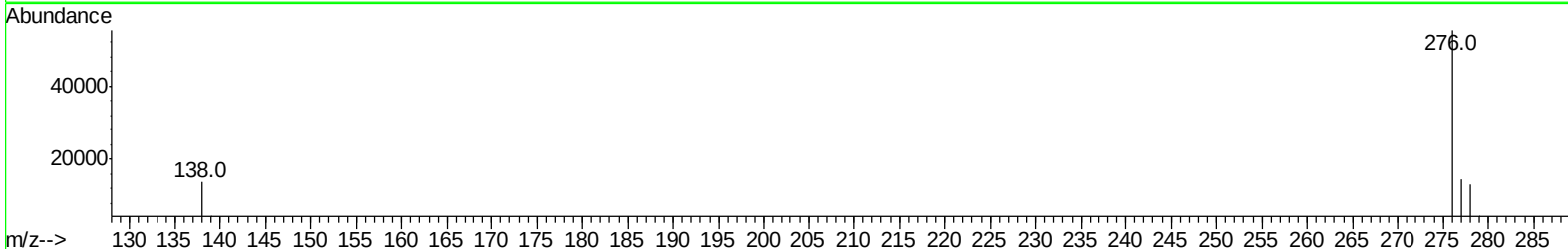
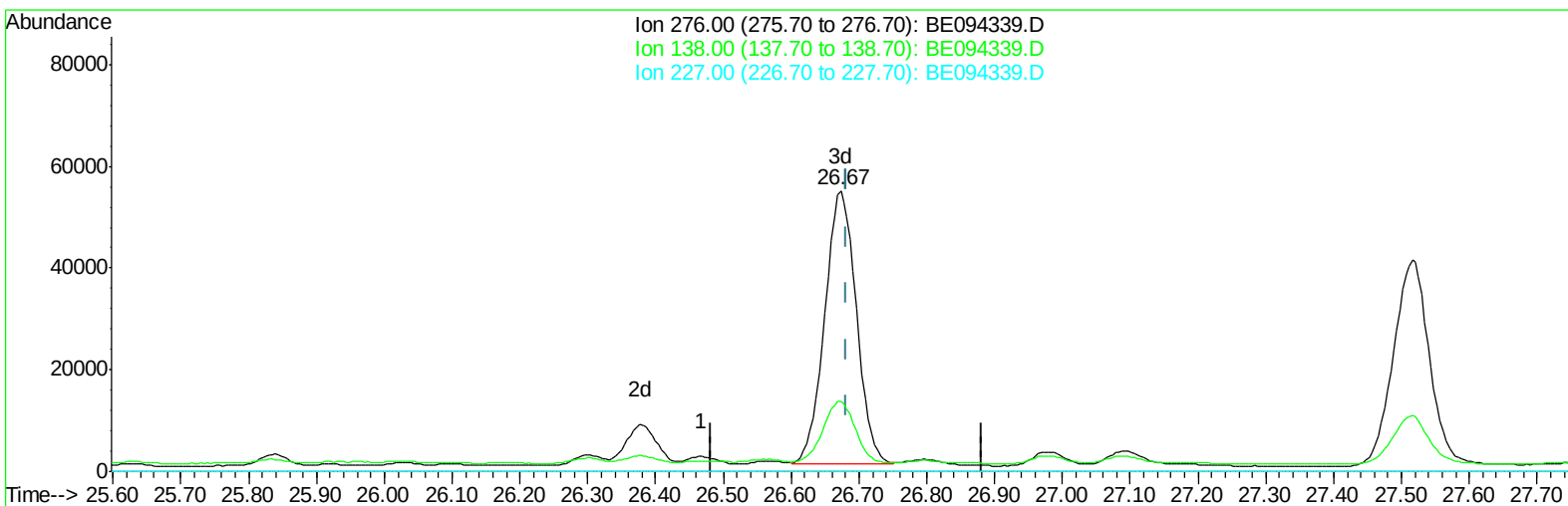
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\
 Data File : BE094339.D
 Acq On : 14 Oct 2017 00:55
 Operator : SJ/JU
 Sample : I5649-04MS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 10/16/2017 8:23:06 PM

Quant Time: Oct 14 04:02:54 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: BE094339.D

(24) Indeno(1,2,3-cd)pyrene
 26.673min (-0.009) 5.89ng/ul m
 response 173763

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

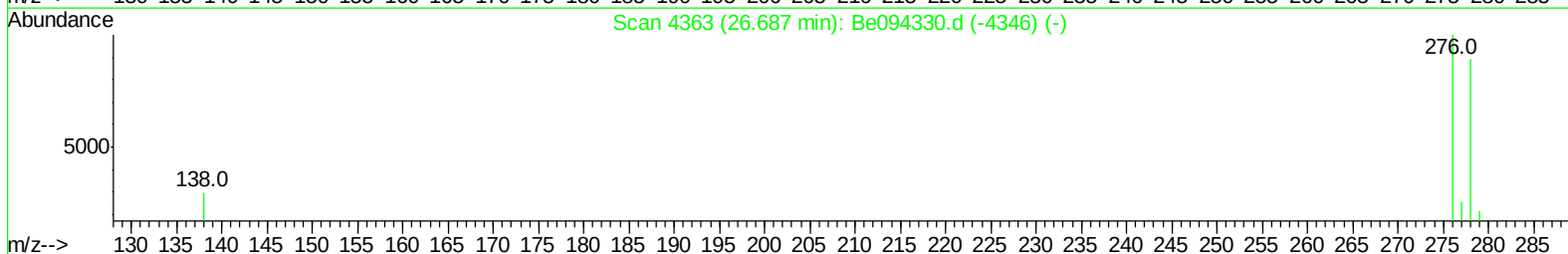
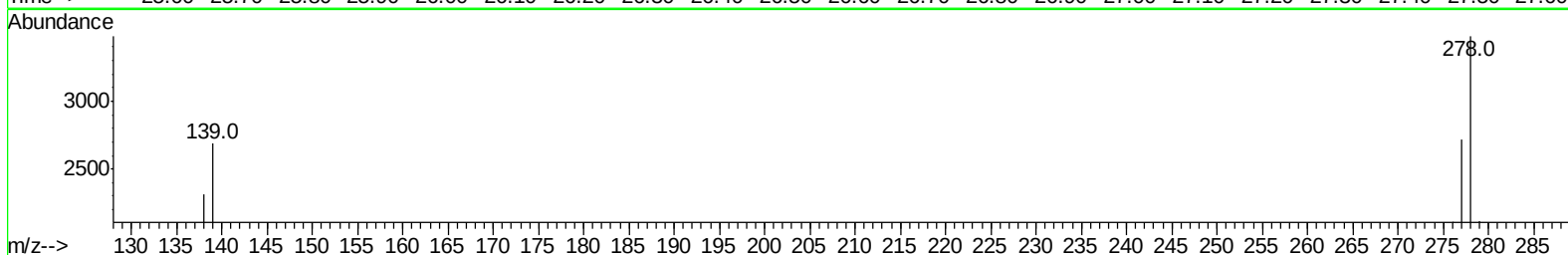
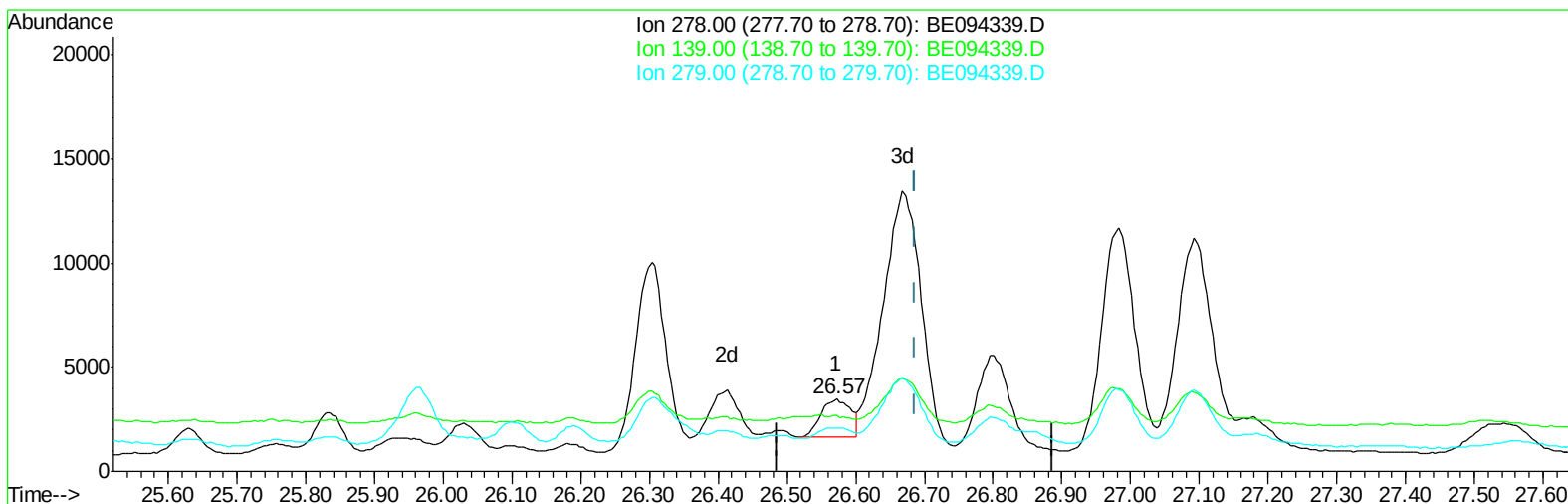
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Data File : BE094339.D
Acq On : 14 Oct 2017 00:55
Operator : SJ/JU
Sample : I5649-04MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:06 PM

Quant Time: Oct 14 04:02:54 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
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TIC: BE094339.D

(25) Dibenzo(a,h)anthracene

26.573min (-0.114) 0.23ng/ul

response 5644

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	77.29#
279.00	32.40	60.76#
0.00	0.00	0.00

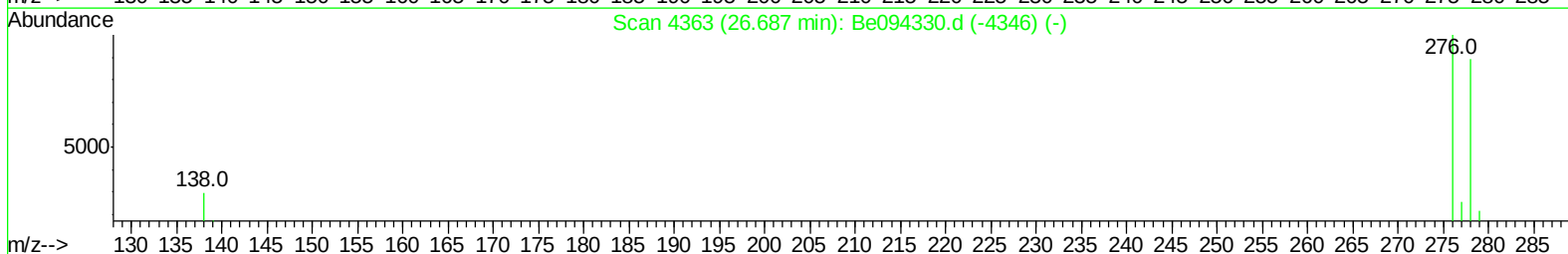
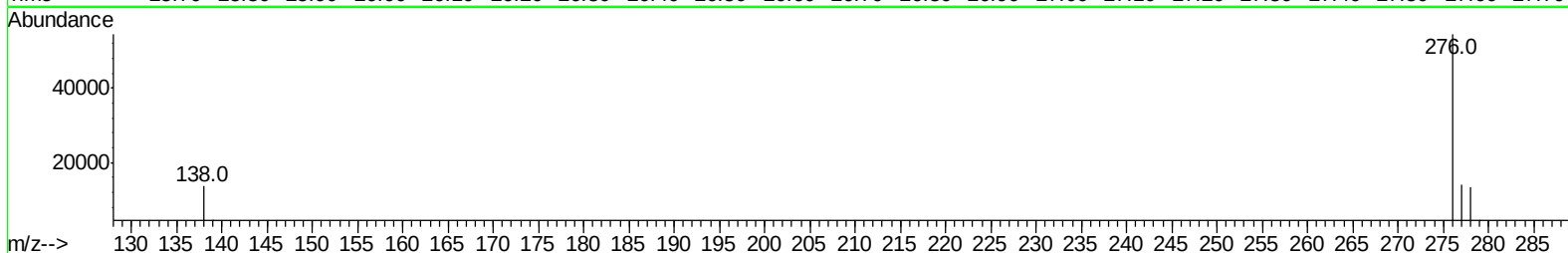
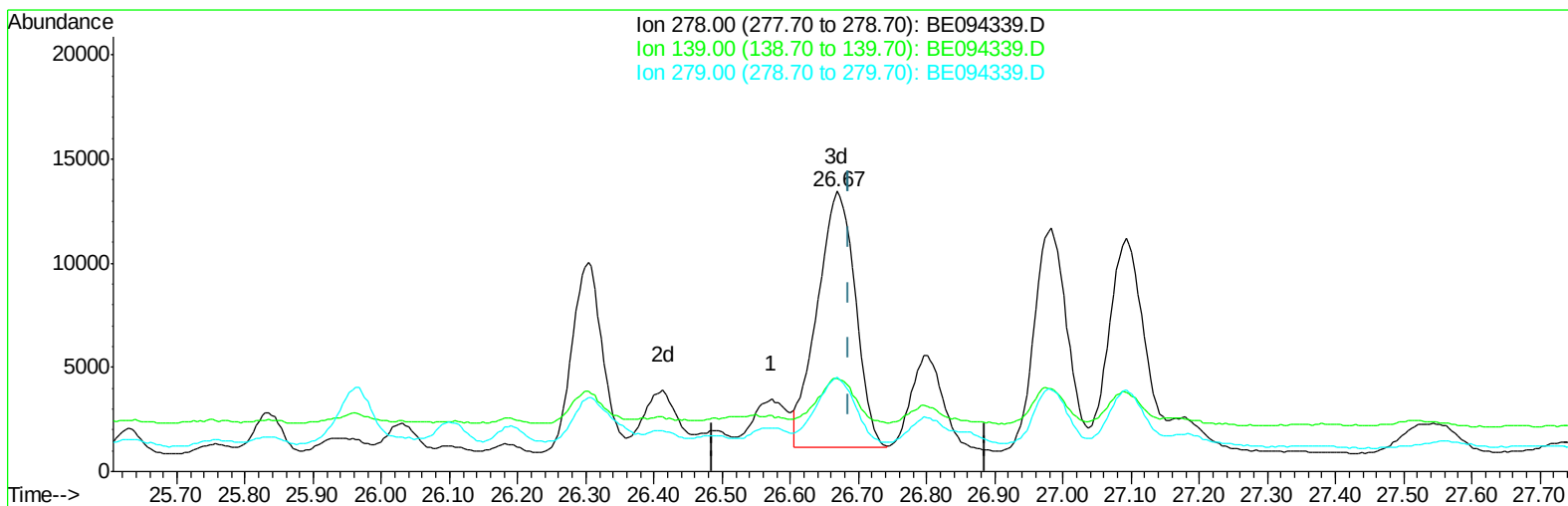
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Data File : BE094339.D
Acq On : 14 Oct 2017 00:55
Operator : SJ/JU
Sample : I5649-04MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:06 PM

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TIC: BE094339.D

(25) Dibenzo(a,h)anthracene

26.668min (-0.018) 1.93ng/ul m

response 47702

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	33.23#
279.00	32.40	33.46
0.00	0.00	0.00

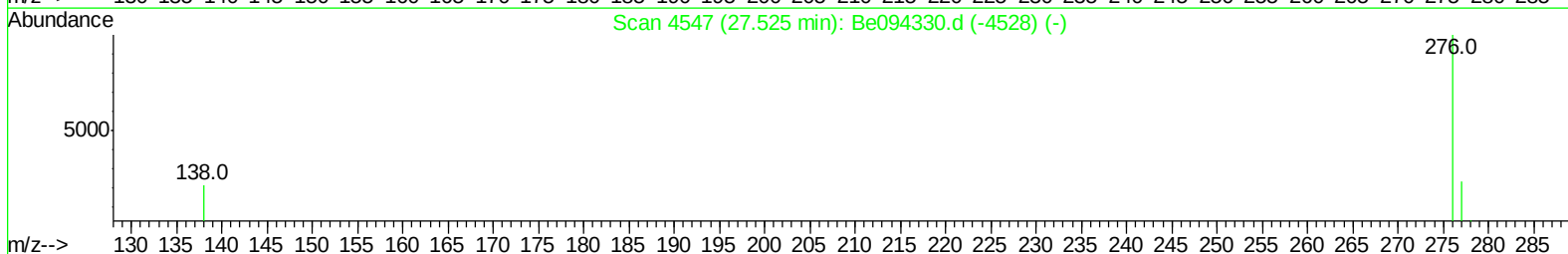
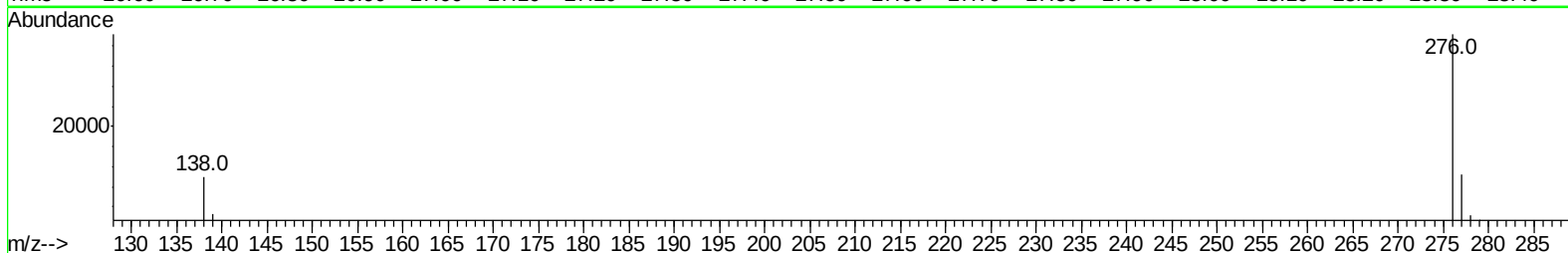
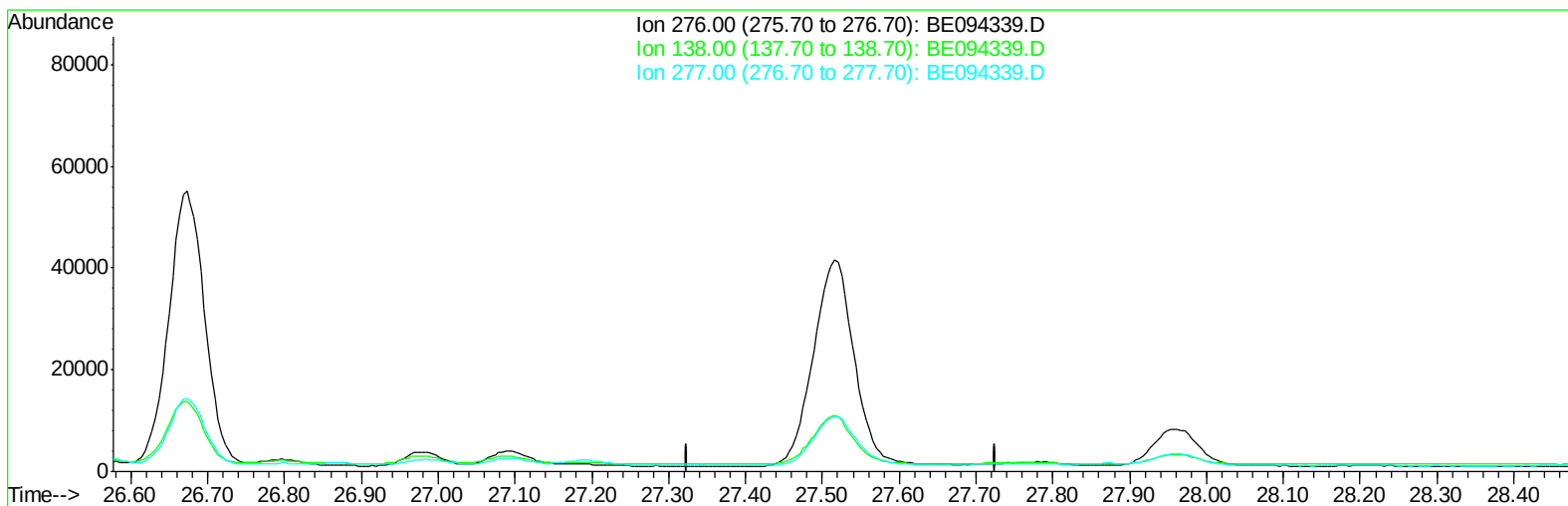
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Data File : BE094339.D
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Operator : SJ/JU
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_E
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Manual Integrations
APPROVED

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TIC: BE094339.D

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

27.525min (-27.525) 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

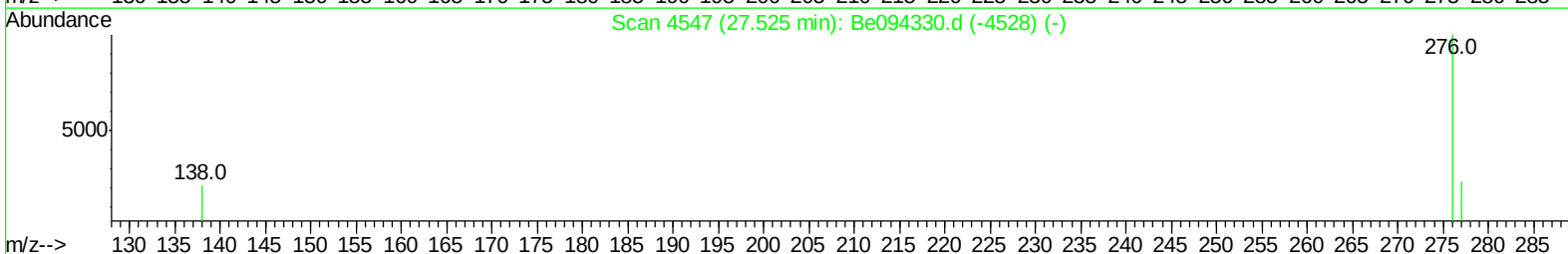
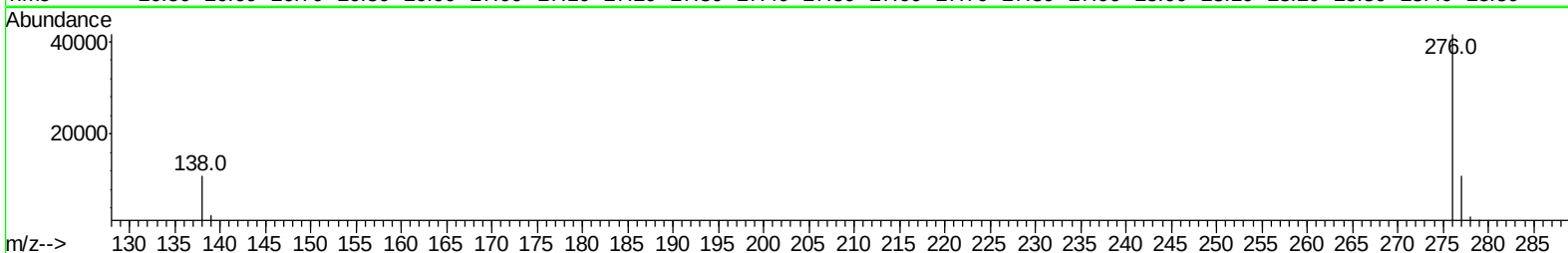
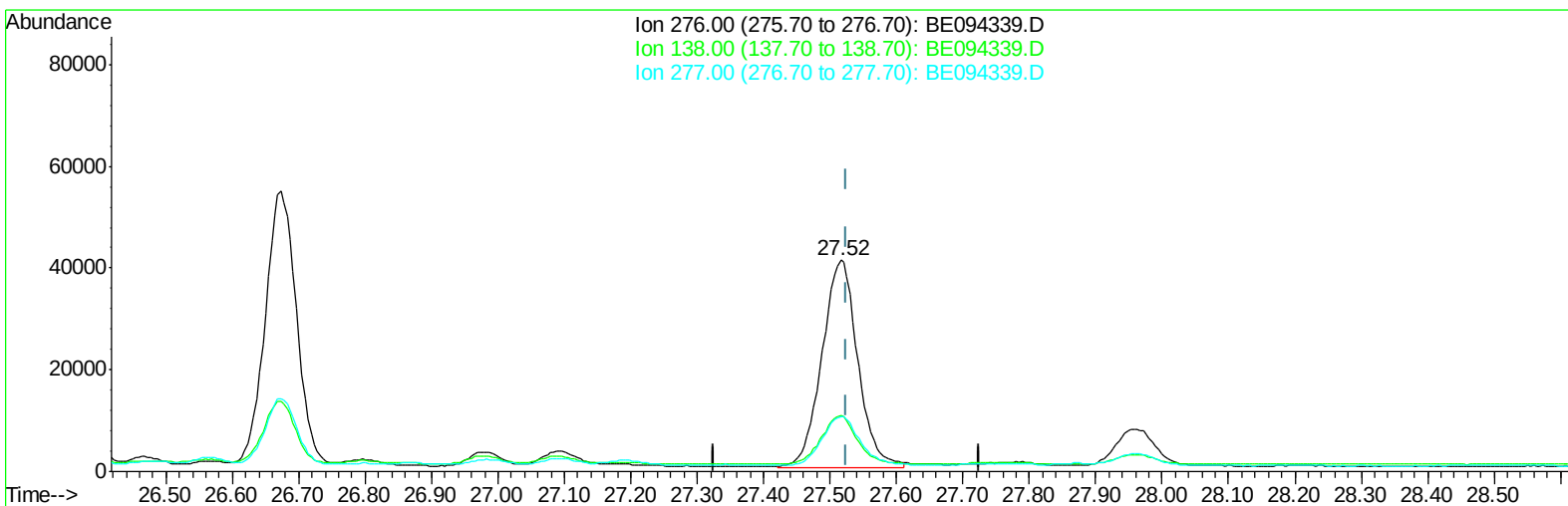
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\
Data File : BE094339.D
Acq On : 14 Oct 2017 00:55
Operator : SJ/JU
Sample : I5649-04MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
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Manual Integrations
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Sohil
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Response via : Initial Calibration



TIC: BE094339.D

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

27.516min (-0.009) 5.98ng/ul m

response 152230

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	26.28
277.00	25.60	26.22
0.00	0.00	0.00

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\
 Data File : BE094339.D
 Acq On : 14 Oct 2017 00:55
 Operator : SJ/JU
 Sample : I5649-04MS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 10/16/2017 8:23:06 PM

Quant Time: Oct 14 04:47:11 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1685	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.71	136	8748	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	5176	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.27	188	10307	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	9932	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	10212m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	4074	0.30	ng/ul	-0.01
14) Fluoranthene-d10	19.29	212	9007	0.26	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	27625	1.289	ng/ul#	92
5) 2-Methylnaphthalene	12.36	142	8042	0.579	ng/ul	98
7) Acenaphthylene	14.26	152	20354	1.009	ng/ul	97
8) Acenaphthene	14.60	153	11053	0.665	ng/ul	98
9) Fluorene	15.58	166	8750	0.450	ng/ul	94
11) Pentachlorophenol	16.96	266	211	0.174	ng/ul	90
12) Phenanthrene	17.31	178	209568	7.781	ng/ul#	91
13) Anthracene	17.39	178	54337	2.074	ng/ul#	90
15) Fluoranthene	19.32	202	494510	13.973	ng/ul	84
17) Pyrene	19.69	202	469572	16.992	ng/ul#	82
18) Benzo(a)anthracene	21.42	228	263182	9.989	ng/ul#	87
19) Chrysene	21.47	228	262928	8.641	ng/ul	98
21) Benzo(b)fluoranthene	23.20	252	338298	12.195	ng/ul	89
22) Benzo(k)fluoranthene	23.24	252	114917m	3.584	ng/ul	
23) Benzo(a)pyrene	23.86	252	231264m	8.023	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.67	276	173763m	5.893	ng/ul	
25) Dibenzo(a,h)anthracene	26.67	278	47702m	1.929	ng/ul	
26) Benzo(g,h,i)perylene	27.52	276	152230m	5.985	ng/ul	

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

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\
Data File : BE094339.D
Acq On : 14 Oct 2017 00:55
Operator : SJ/JU
Sample : I5649-04MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:06 PM

Quant Time: Oct 14 04:47:11 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

