

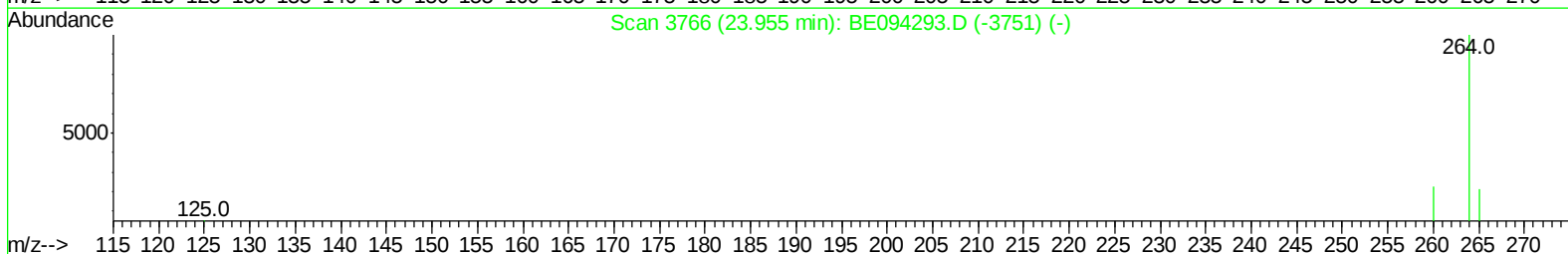
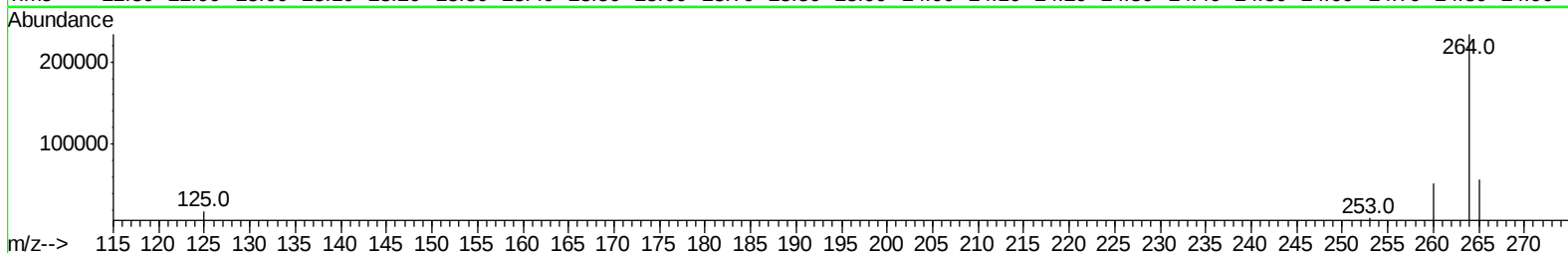
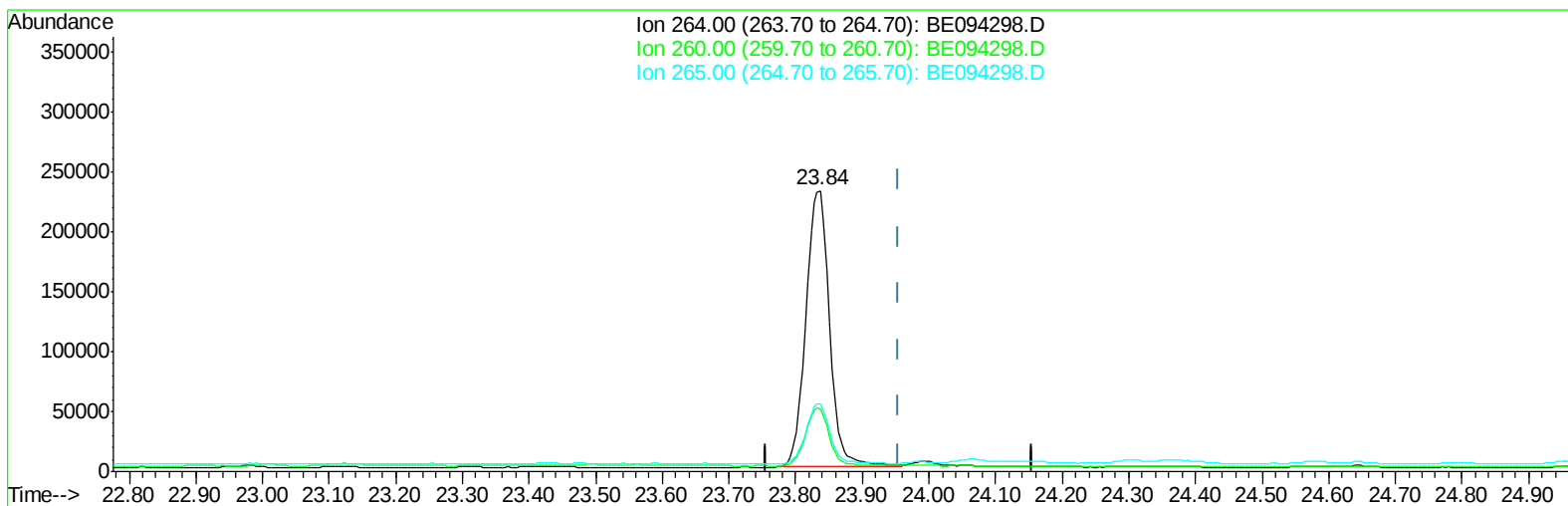
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094298.D
Acq On : 12 Oct 2017 2:37
Operator : SJ/JU
Sample : I5490-09
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-58(1-2)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:06:00 PM

Quant Time: Oct 12 08:58:29 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: BE094298.D

(20) Perylene-d12 (I)

23.837min (-0.118) 0.40ng/ul

response 566718

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	22.41#
265.00	103.50	24.23#
0.00	0.00	0.00

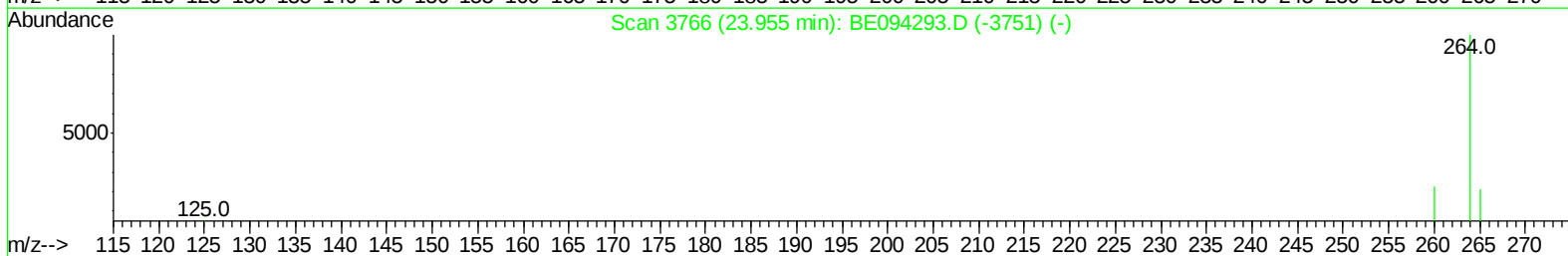
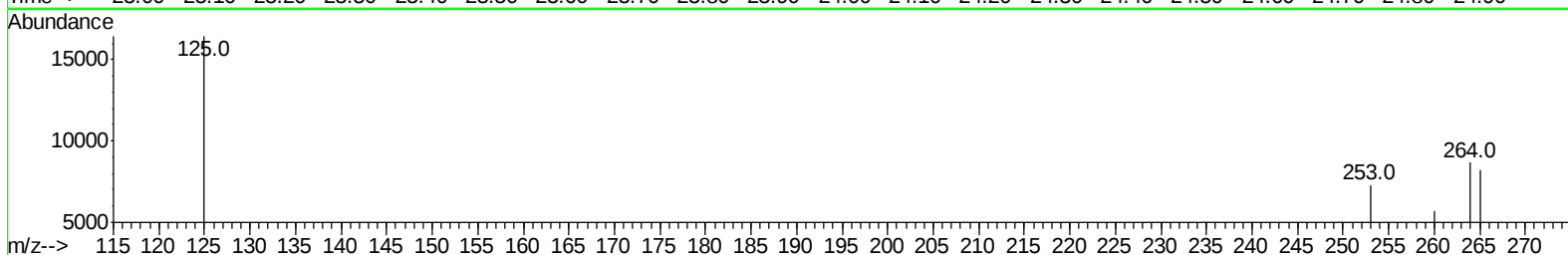
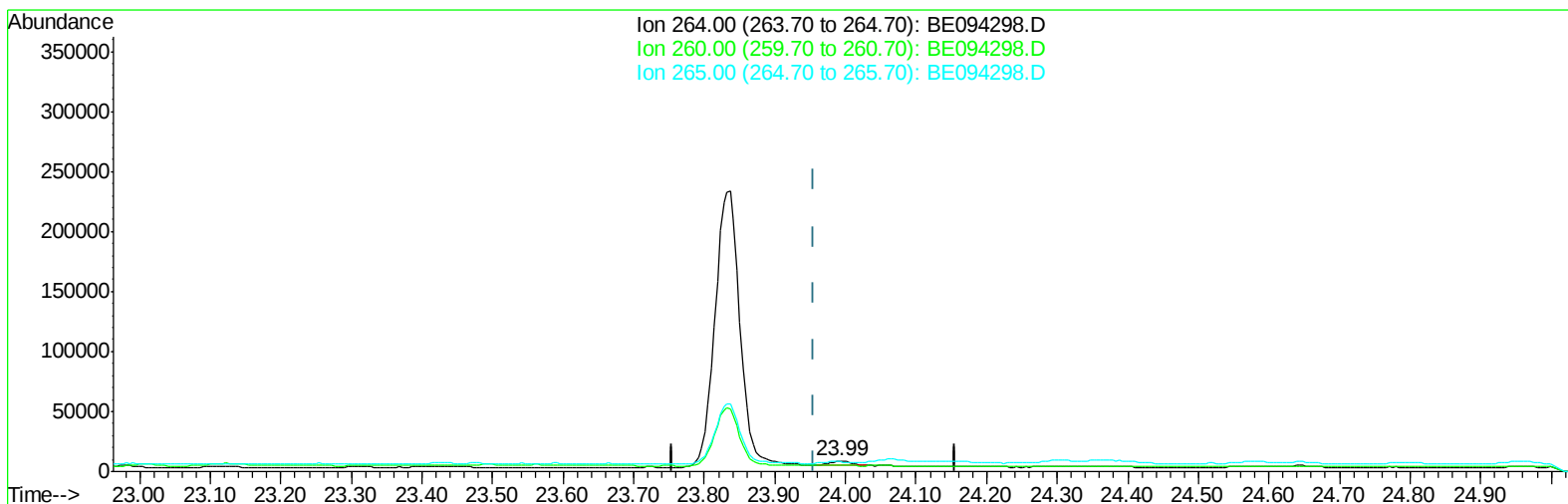
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094298.D
Acq On : 12 Oct 2017 2:37
Operator : SJ/JU
Sample : I5490-09
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-58(1-2)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:06:00 PM

Quant Time: Oct 12 08:58:29 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: BE094298.D

(20) Perylene-d12 (I)

23.992min (+0.036) 0.40ng/ul m

response 8231

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	65.56#
265.00	103.50	94.55
0.00	0.00	0.00

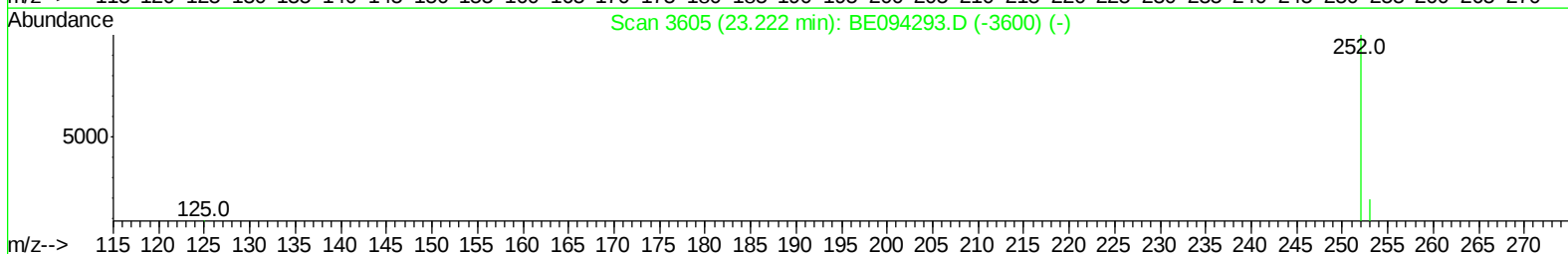
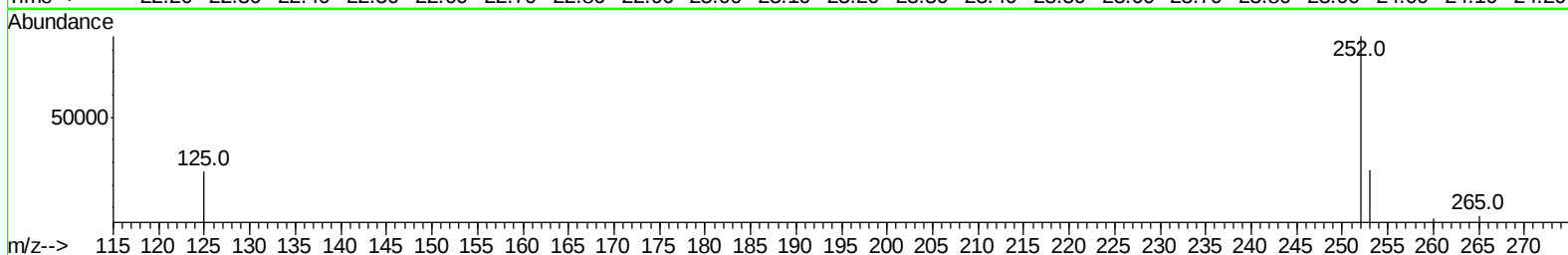
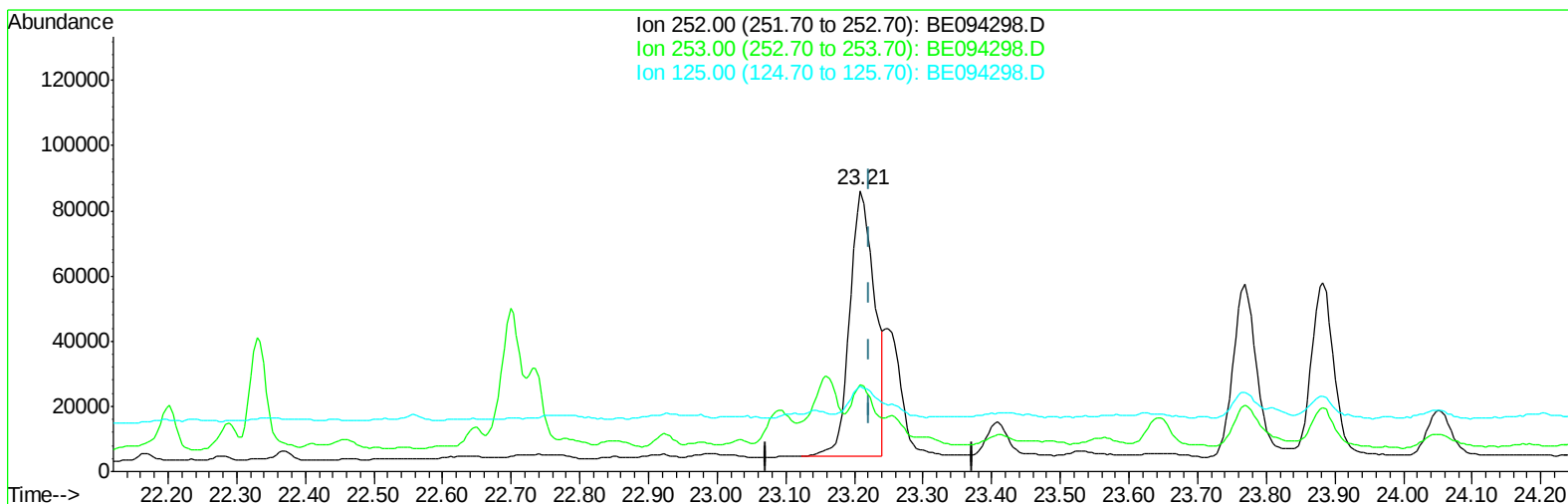
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094298.D
Acq On : 12 Oct 2017 2:37
Operator : SJ/JU
Sample : I5490-09
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-58(1-2)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:06:00 PM

Quant Time: Oct 12 09:19:35 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: BE094298.D

(22) Benzo(k)fluoranthene
23.209min (-0.014) 7.90ng/ul
response 204130

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	30.98
125.00	17.10	30.57#
0.00	0.00	0.00

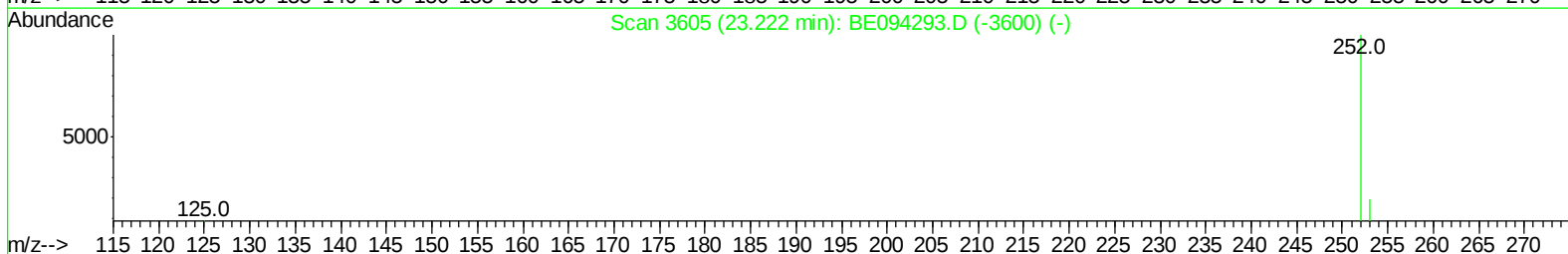
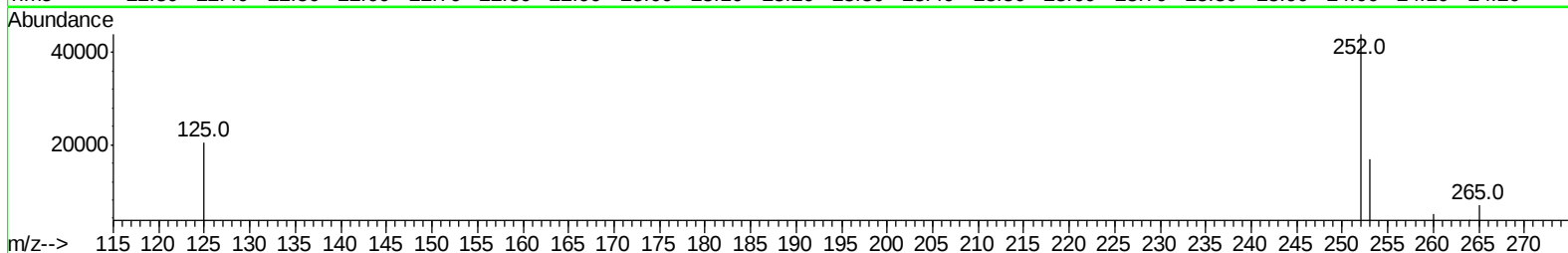
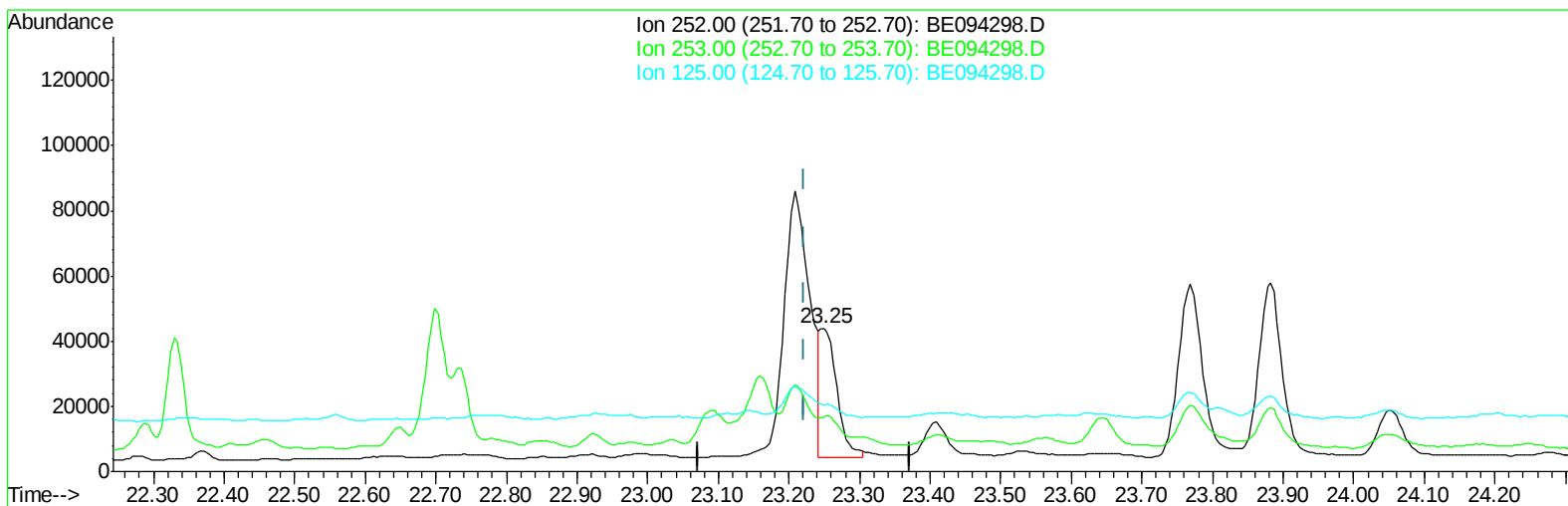
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094298.D
Acq On : 12 Oct 2017 2:37
Operator : SJ/JU
Sample : I5490-09
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-58(1-2)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:06:00 PM

Quant Time: Oct 12 09:19:35 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: BE094298.D

(22) Benzo(k)fluoranthene

23.250min (+0.027) 2.60ng/ul m

response 67280

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	38.34#
125.00	17.10	46.70#
0.00	0.00	0.00

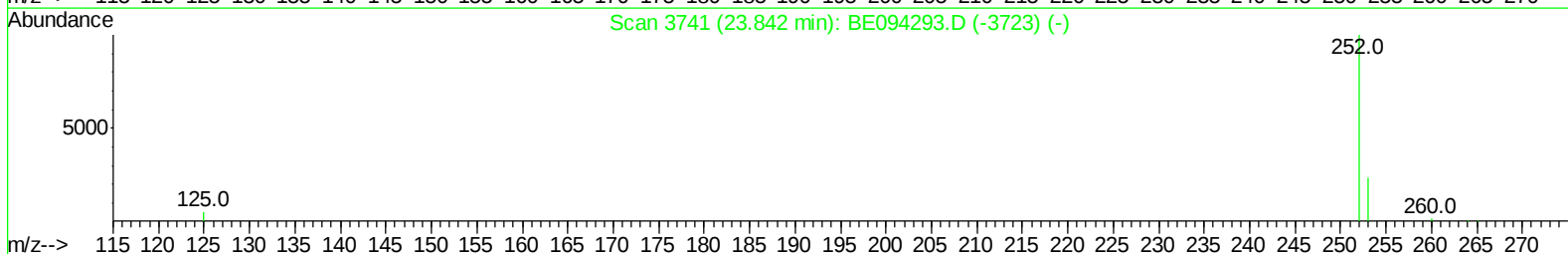
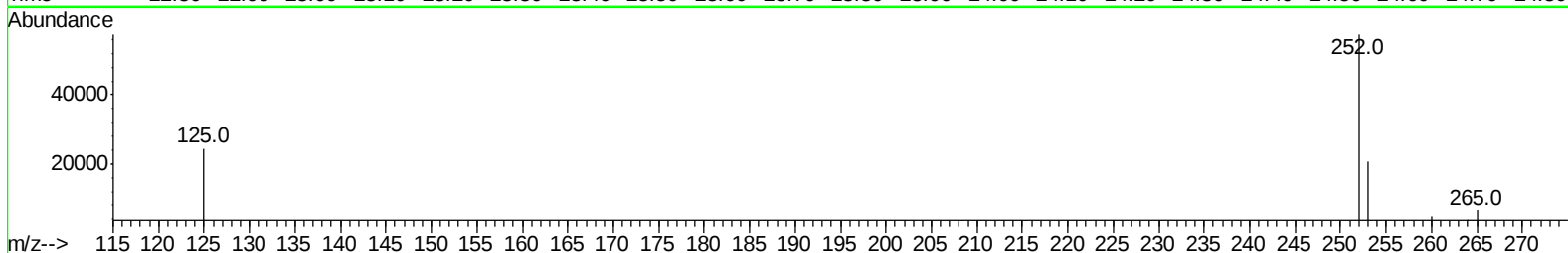
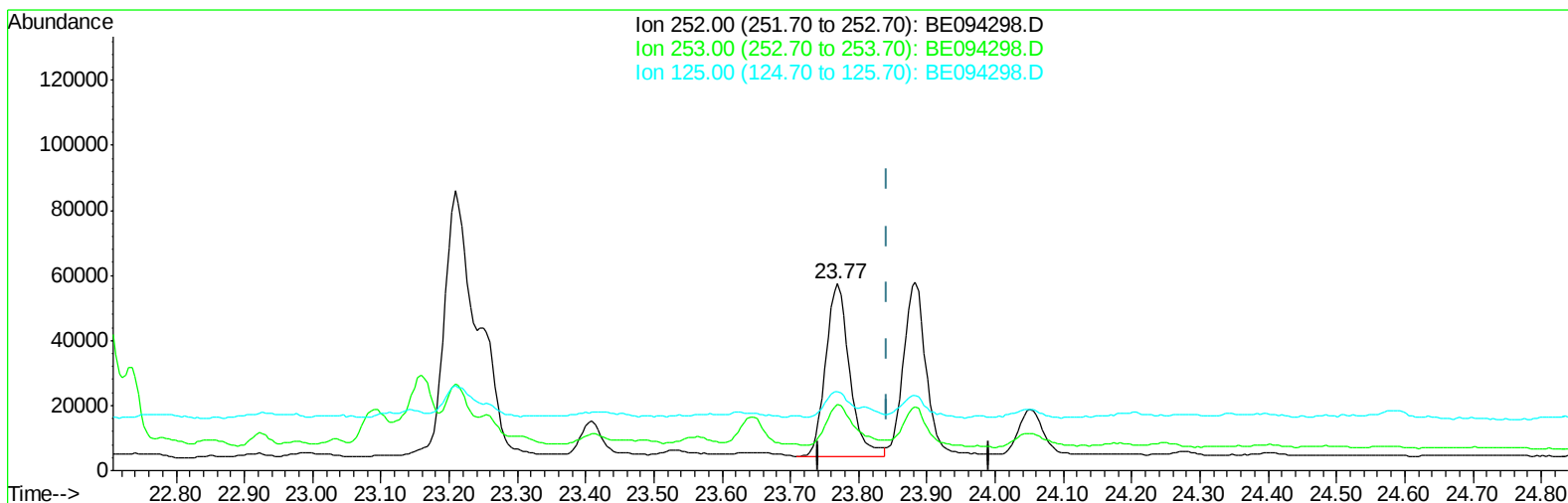
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094298.D
Acq On : 12 Oct 2017 2:37
Operator : SJ/JU
Sample : I5490-09
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-58(1-2)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:06:00 PM

Quant Time: Oct 12 09:19:35 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: BE094298.D

(23) Benzo(a)pyrene (C)

23.769min (-0.073) 5.53ng/ul

response 128462

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	35.65
125.00	22.60	42.54#
0.00	0.00	0.00

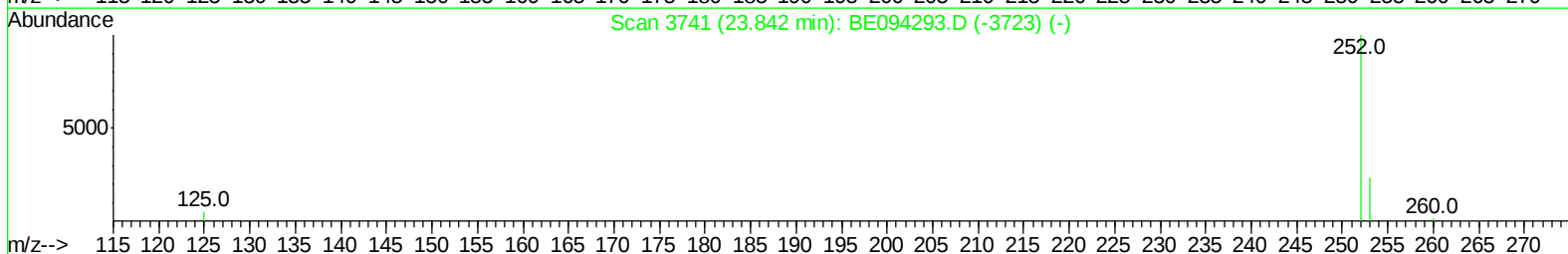
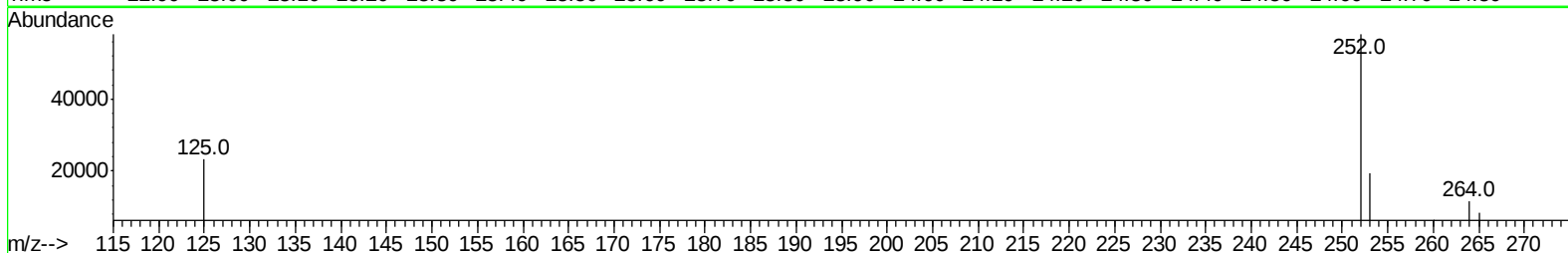
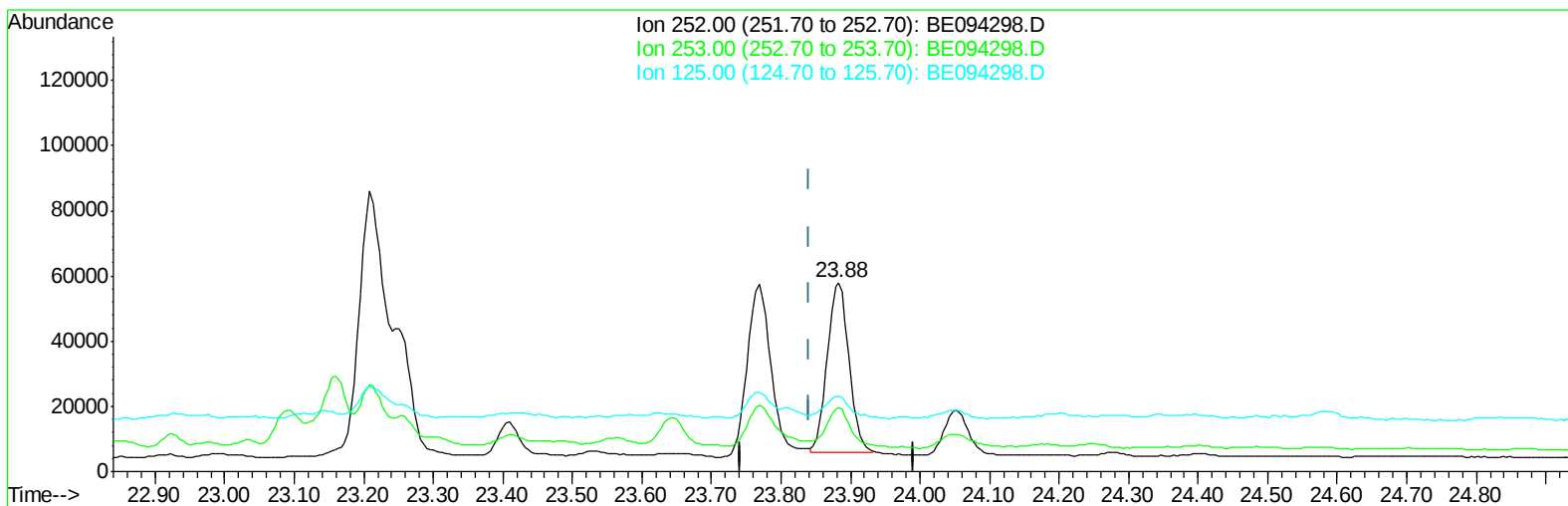
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094298.D
Acq On : 12 Oct 2017 2:37
Operator : SJ/JU
Sample : I5490-09
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-58(1-2)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:06:00 PM

Quant Time: Oct 12 09:19:35 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: BE094298.D

(23) Benzo(a)pyrene (C)

23.883min (+0.041) 4.85ng/ul m

response 112672

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	33.46
125.00	22.60	40.02#
0.00	0.00	0.00

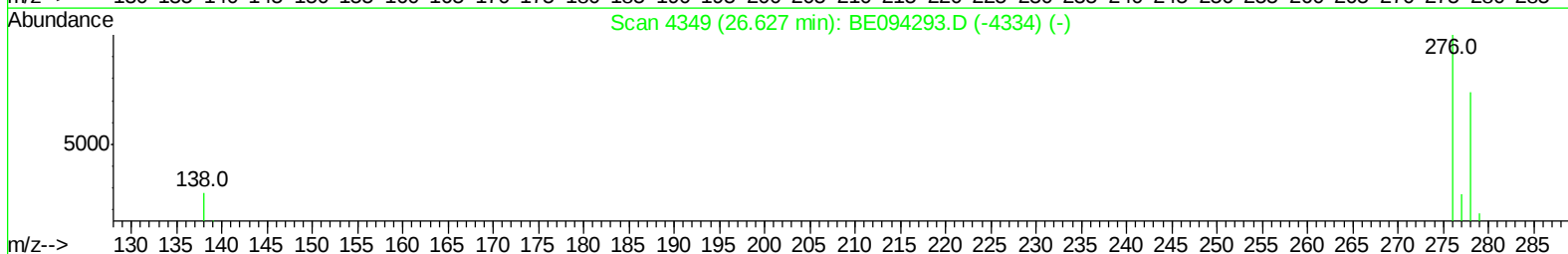
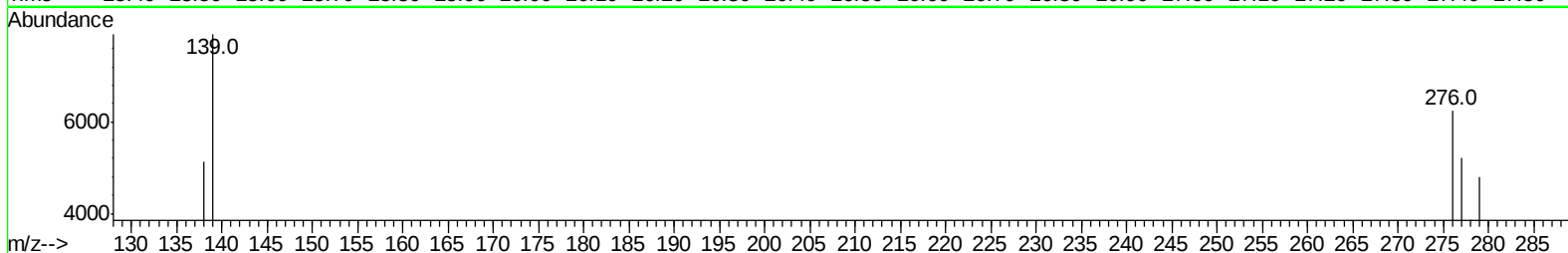
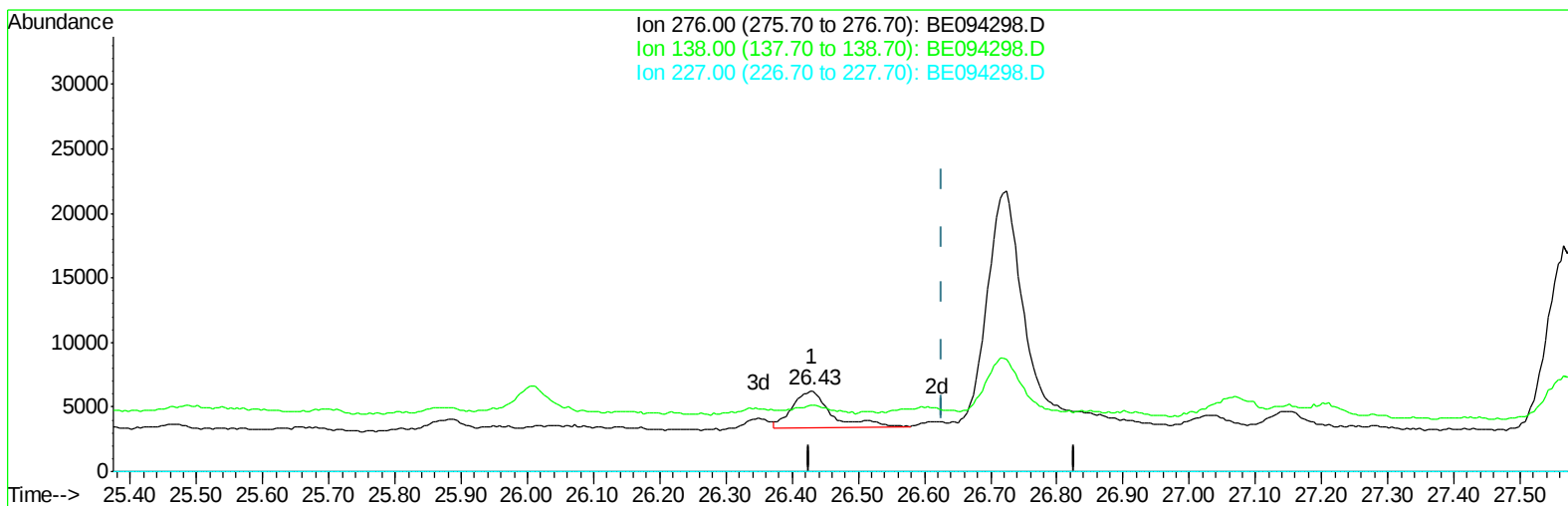
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
 Data File : BE094298.D
 Acq On : 12 Oct 2017 2:37
 Operator : SJ/JU
 Sample : I5490-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-58(1-2)-092717

Manual Integrations
 APPROVED

Sohil
 10/13/2017 12:06:00 PM

Quant Time: Oct 12 09:19:35 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: BE094298.D

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

26.431min (-0.196) 0.48ng/ul

response 11310

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	20.44#
227.00	10.00	0.00#
0.00	0.00	0.00

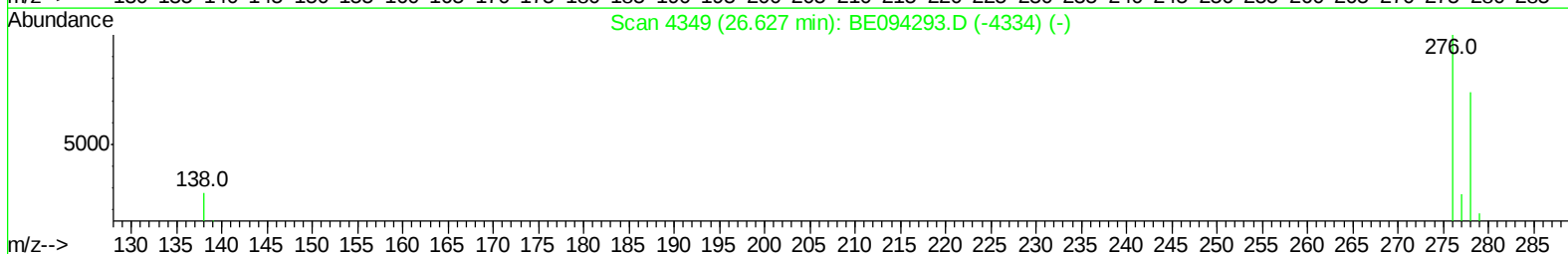
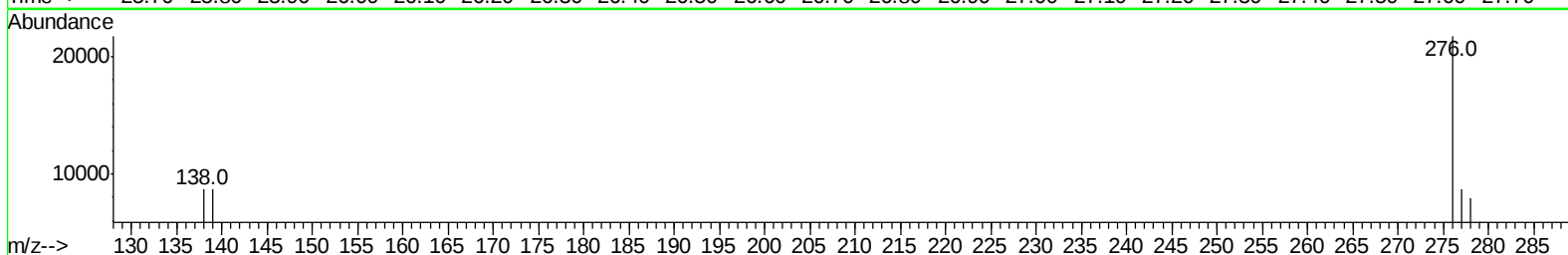
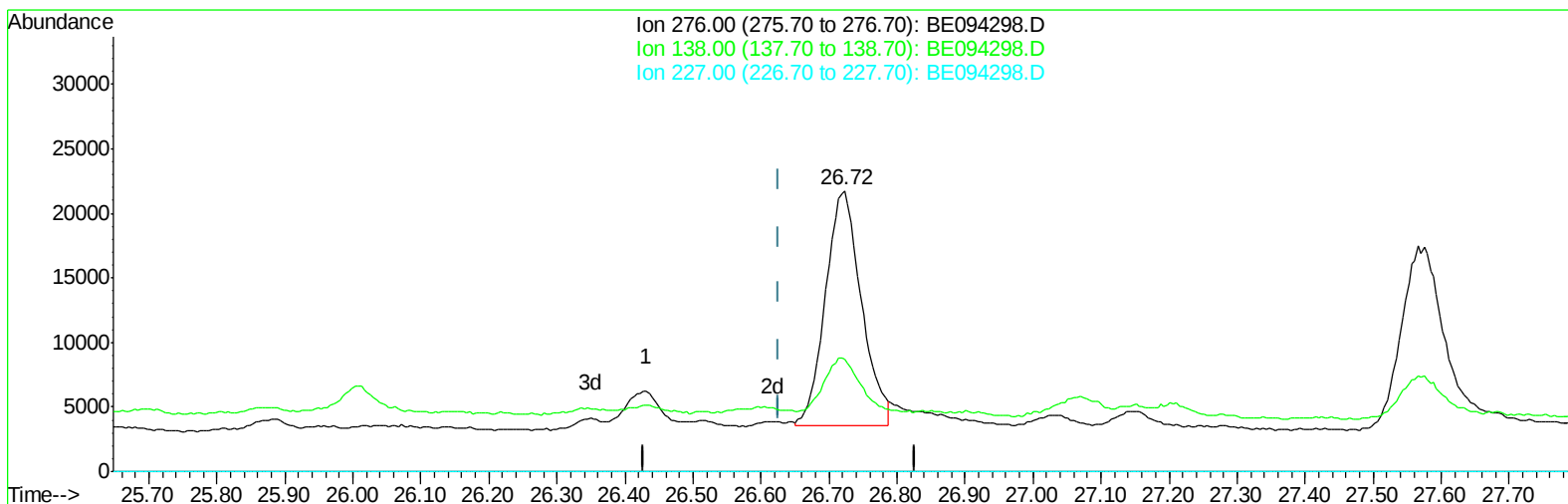
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094298.D
Acq On : 12 Oct 2017 2:37
Operator : SJ/JU
Sample : I5490-09
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-58(1-2)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:06:00 PM

Quant Time: Oct 12 09:19:35 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: BE094298.D

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

26.723min (+0.096) 2.83ng/ul m

response 67210

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	3.44#
227.00	10.00	0.00#
0.00	0.00	0.00

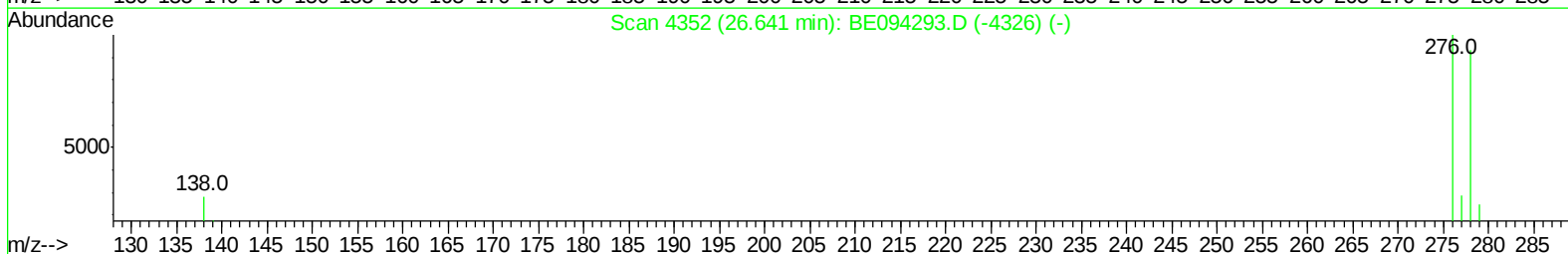
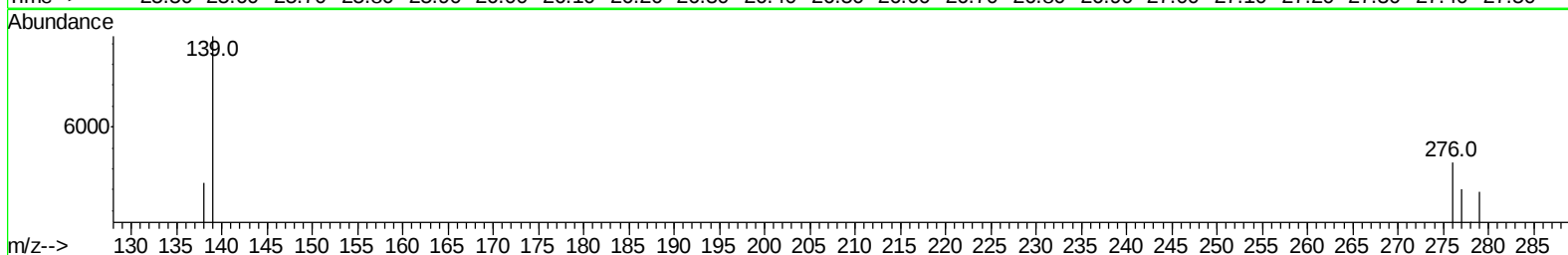
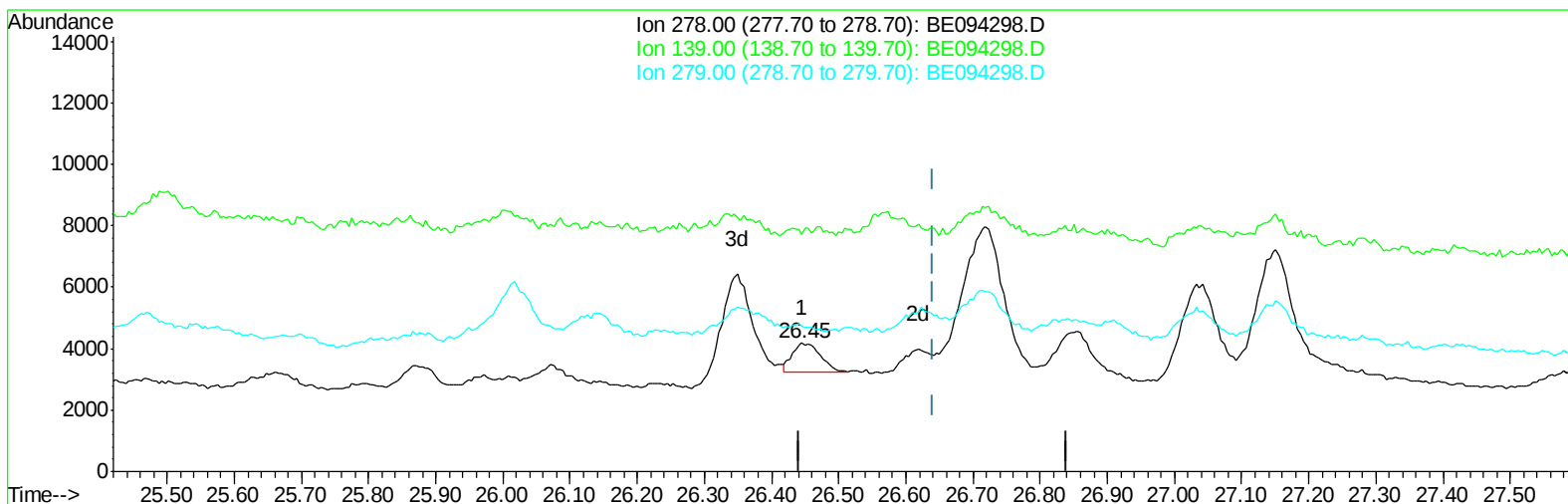
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094298.D
Acq On : 12 Oct 2017 2:37
Operator : SJ/JU
Sample : I5490-09
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-58(1-2)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:06:00 PM

Quant Time: Oct 12 09:19:35 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: BE094298.D

(25) Dibenzo(a,h)anthracene

26.445min (-0.196) 0.14ng/ul

response 2705

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	185.25#
279.00	32.40	113.77#
0.00	0.00	0.00

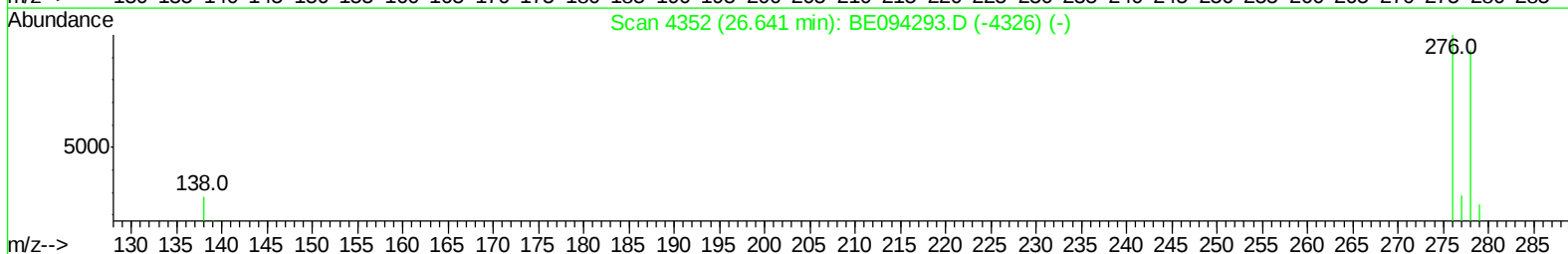
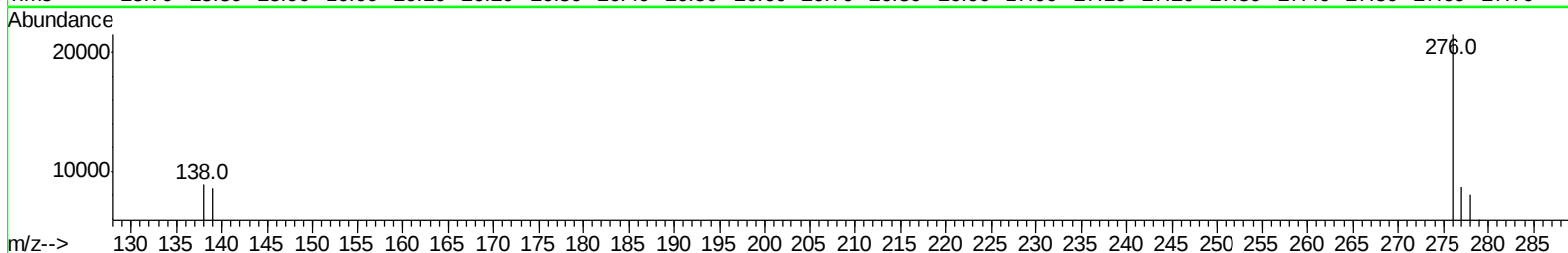
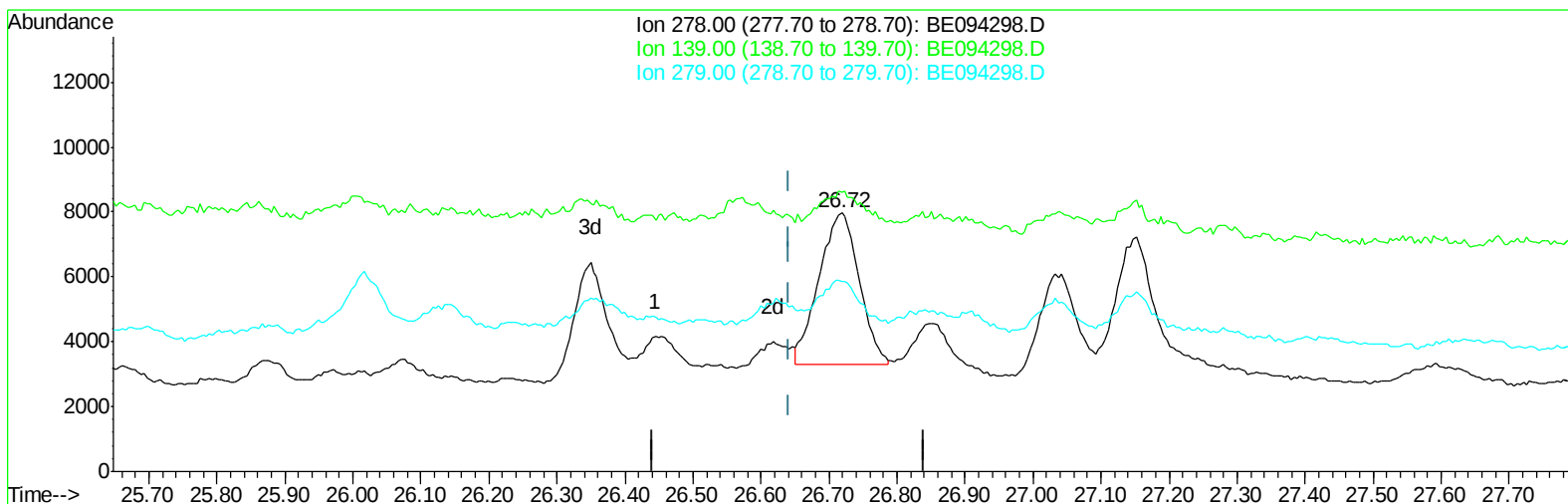
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094298.D
Acq On : 12 Oct 2017 2:37
Operator : SJ/JU
Sample : I5490-09
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-58(1-2)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:06:00 PM

Quant Time: Oct 12 09:19:35 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: BE094298.D

(25) Dibenzo(a,h)anthracene

26.718min (+0.077) 0.96ng/ul m

response 19098

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	107.76#
279.00	32.40	73.66#
0.00	0.00	0.00

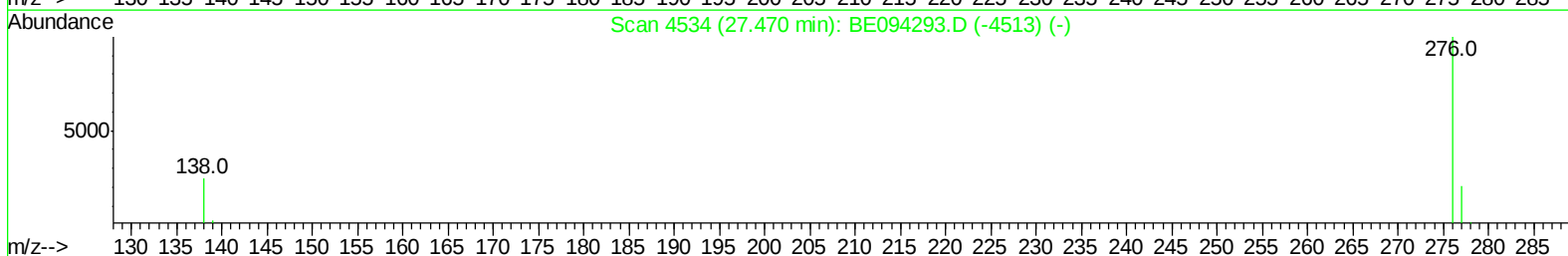
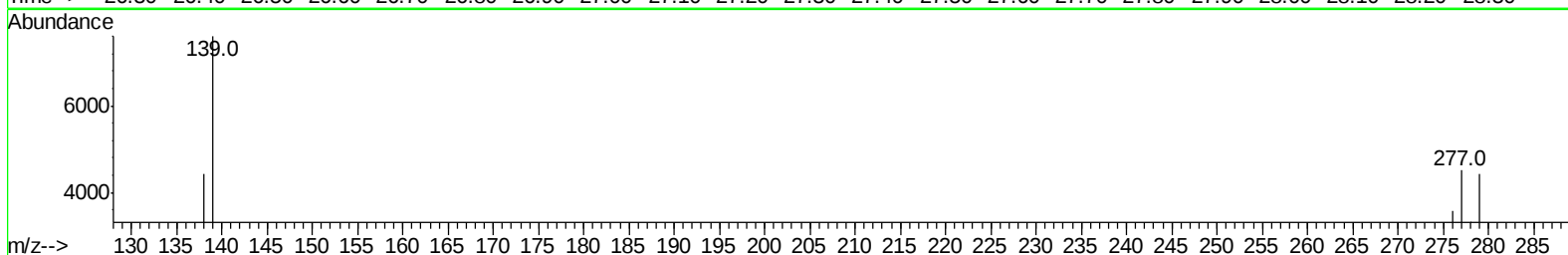
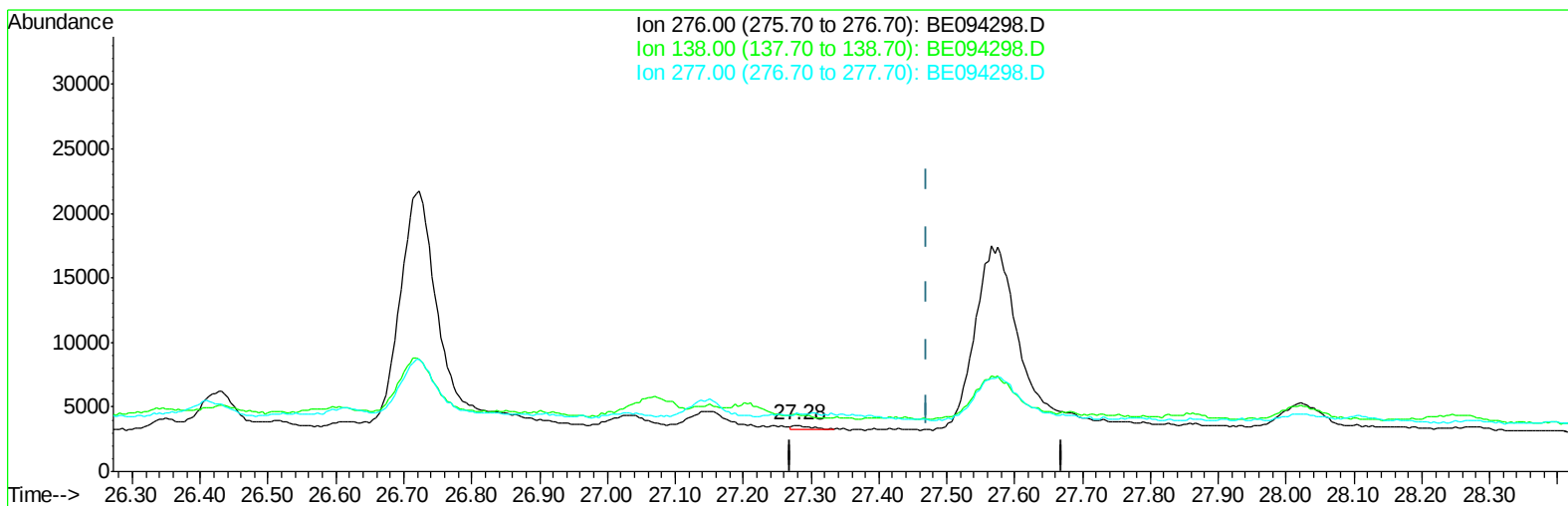
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094298.D
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-58(1-2)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:06:00 PM

Quant Time: Oct 12 09:19:35 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: BE094298.D

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

27.279min (-0.191) 0.03ng/ul

response 531

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	124.08#
277.00	25.60	125.98#
0.00	0.00	0.00

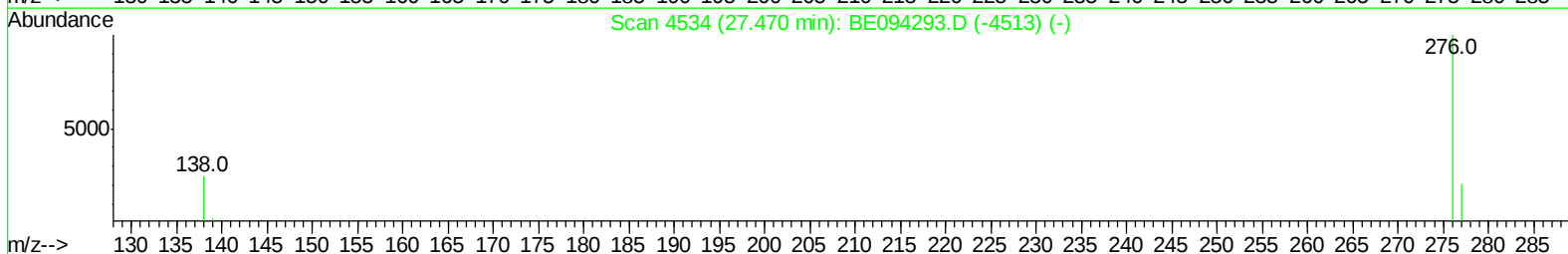
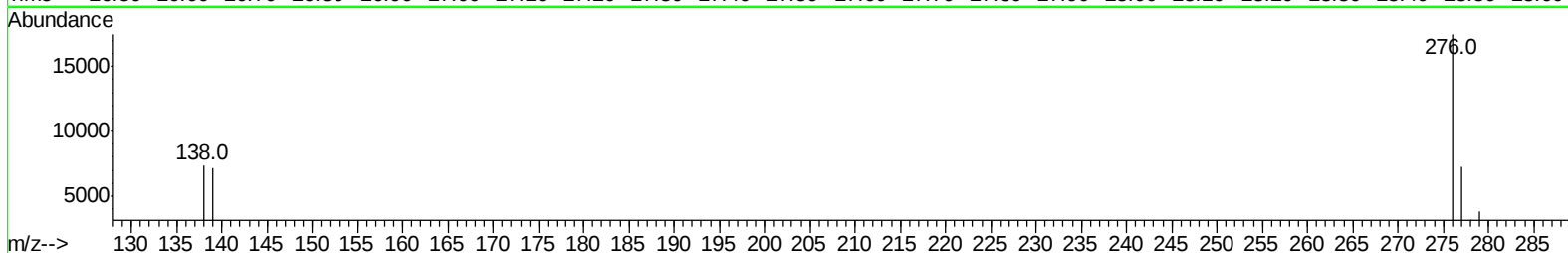
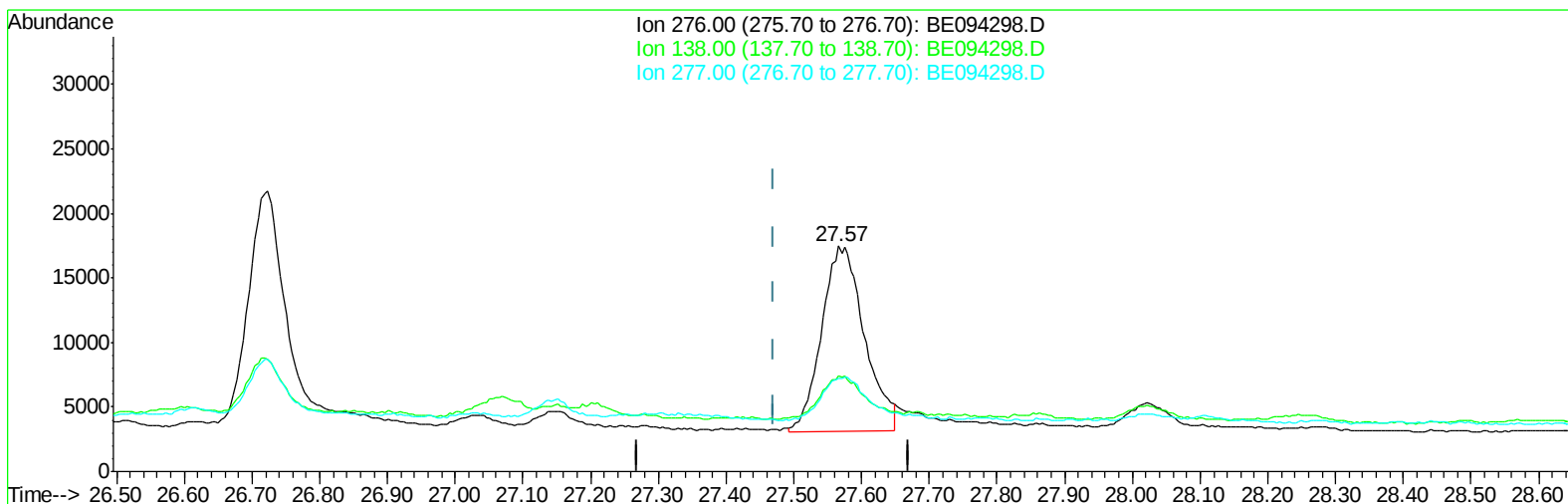
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Instrument :
BNA_E
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B-58(1-2)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:06:00 PM

Quant Time: Oct 12 09:19:35 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



TIC: BE094298.D

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

27.566min (+0.096) 3.07ng/ul m

response 62991

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	42.36#
277.00	25.60	41.48#
0.00	0.00	0.00

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 Operator : SJ/JU
 Sample : I5490-09
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 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
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 B-58(1-2)-092717

Manual Integrations
 APPROVED

Sohil
 10/13/2017 12:06:00 PM

Quant Time: Oct 12 09:21:33 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	7.92	152	1737	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	8464	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.54	164	5105	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.27	188	10100	0.40	ng/ul	0.02
16) Chrysene-d12	21.44	240	9671	0.40	ng/ul	0.01
20) Perylene-d12	23.99	264	8231m	0.40	ng/ul	0.04
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	3791	0.29	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	8983	0.27	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.76	128	202636	9.774	ng/ul#	91
5) 2-Methylnaphthalene	12.36	142	66435	4.940	ng/ul	98
7) Acenaphthylene	14.26	152	7017	0.353	ng/ul#	88
8) Acenaphthene	14.60	153	2950	0.180	ng/ul	90
9) Fluorene	15.58	166	4350	0.227	ng/ul#	75
12) Phenanthrene	17.31	178	100507	3.808	ng/ul#	91
13) Anthracene	17.39	178	23702	0.923	ng/ul	93
15) Fluoranthene	19.32	202	222814	6.425	ng/ul	84
17) Pyrene	19.69	202	217904	8.098	ng/ul#	82
18) Benzo(a)anthracene	21.42	228	131126	5.111	ng/ul#	90
19) Chrysene	21.48	228	194996	6.581	ng/ul#	91
21) Benzo(b)fluoranthene	23.21	252	203859	9.117	ng/ul	88
22) Benzo(k)fluoranthene	23.25	252	67280m	2.603	ng/ul	
23) Benzo(a)pyrene	23.88	252	112672m	4.849	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.72	276	67210m	2.828	ng/ul	
25) Dibenzo(a,h)anthracene	26.72	278	19098m	0.958	ng/ul	
26) Benzo(a,h,i)perylene	27.57	276	62991m	3.073	ng/ul	

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

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094298.D
Acq On : 12 Oct 2017 2:37
Operator : SJ/JU
Sample : I5490-09
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-58(1-2)-092717

Manual Integrations
APPROVED

Sohil
10/13/2017 12:06:00 PM

Quant Time: Oct 12 09:21:33 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

