

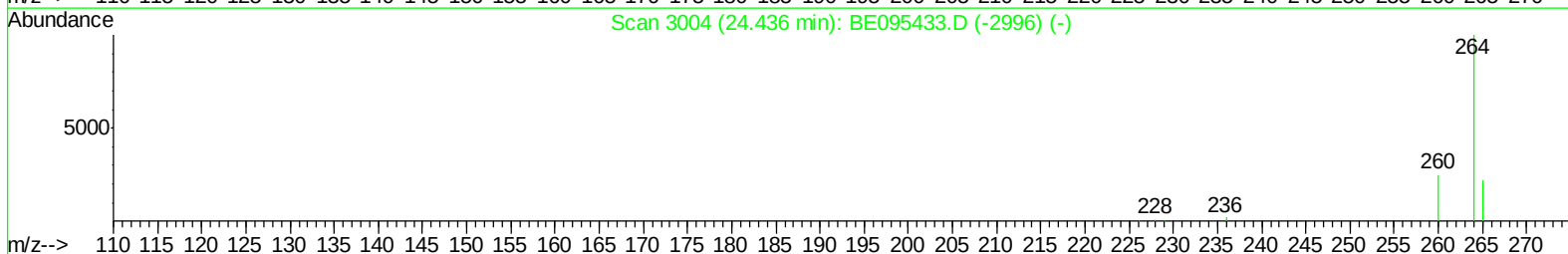
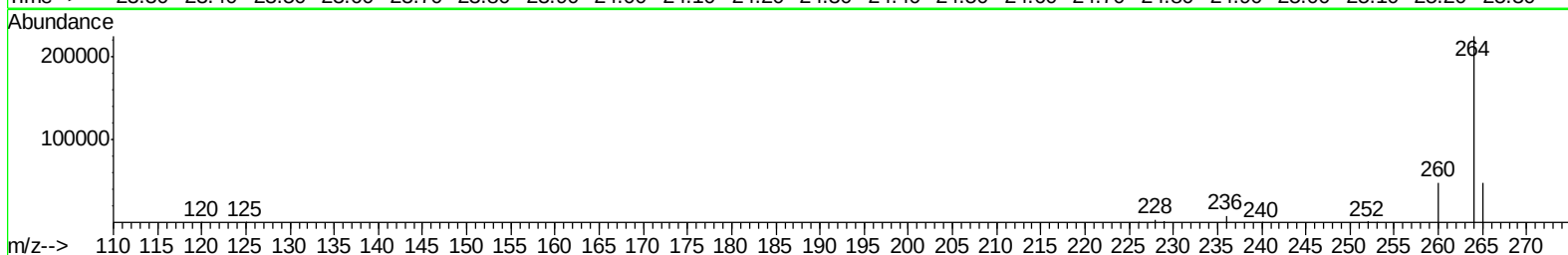
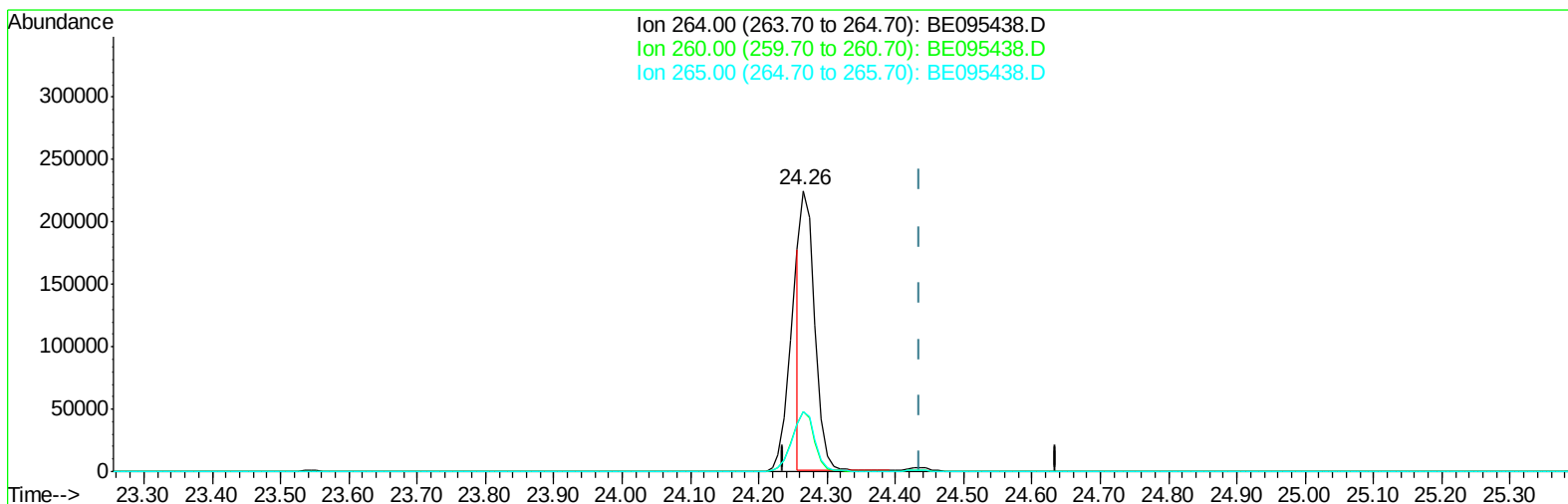
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020318\
Data File : BE095438.D
Acq On : 3 Feb 2018 15:36
Operator : SJ/JU
Sample : J1314-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6C46

Manual Integrations
APPROVED

Sohil
2/5/2018 7:01:57 PM

Quant Time: Feb 05 03:34:22 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 05 03:32:57 2018
Response via : Initial Calibration



TIC: BE095438.D

(20) Perylene-d12 (I)

24.265min (-0.171) 0.40ng/ul

response 326581

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.31#
265.00	103.50	21.33#
0.00	0.00	0.00

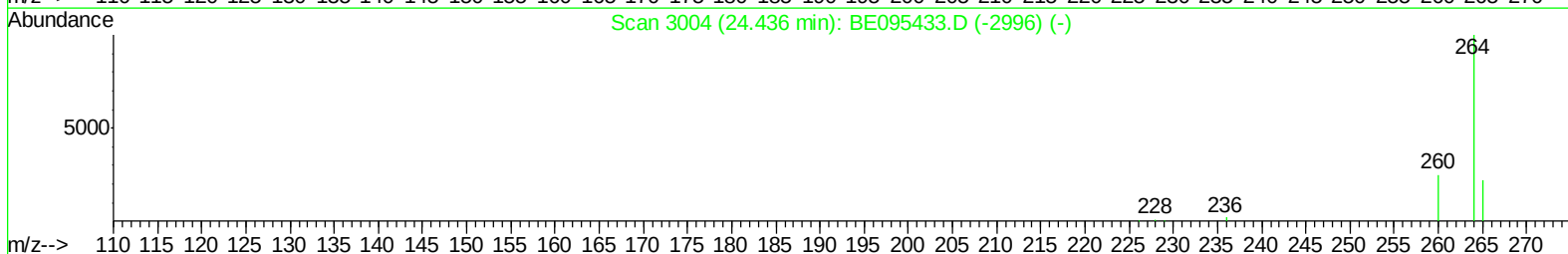
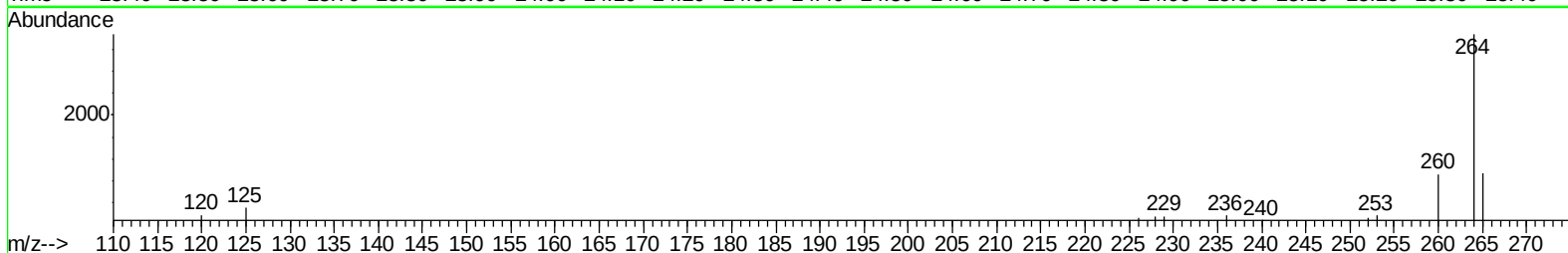
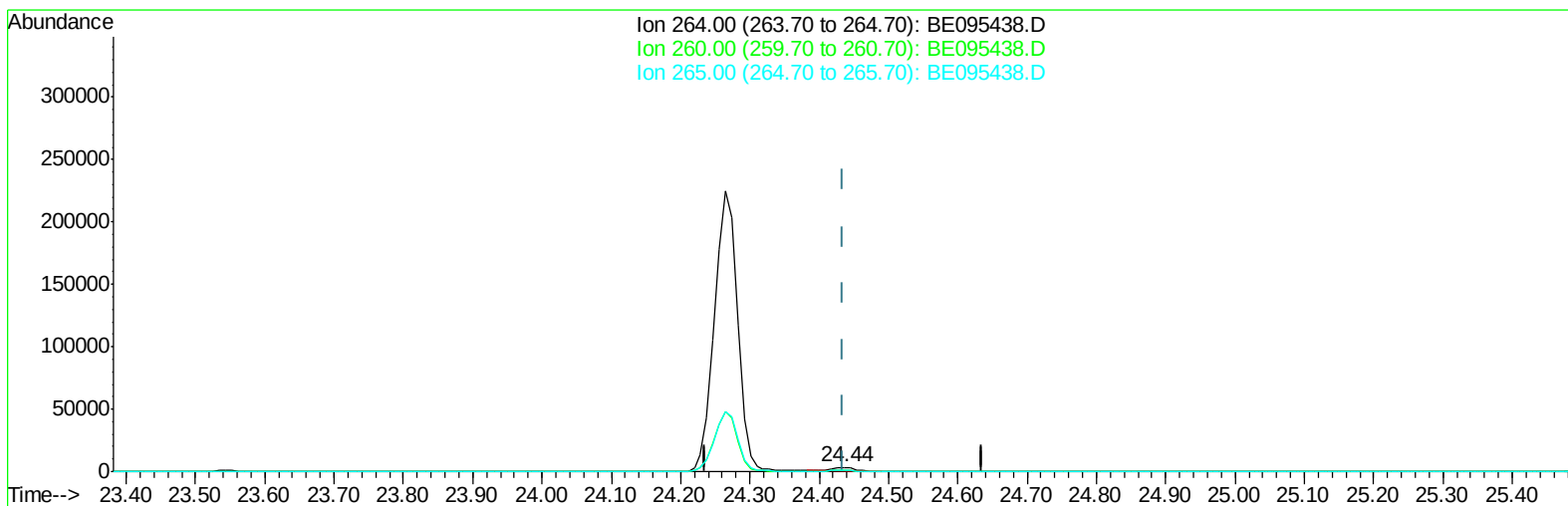
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020318\
Data File : BE095438.D
Acq On : 3 Feb 2018 15:36
Operator : SJ/JU
Sample : J1314-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6C46

Manual Integrations
APPROVED

Sohil
2/5/2018 7:01:57 PM

Quant Time: Feb 05 03:34:22 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 05 03:32:57 2018
Response via : Initial Calibration



TIC: BE095438.D

(20) Perylene-d12 (I)

24.436min (+0.000) 0.40ng/ul m

response 6438

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	26.63
265.00	103.50	26.89#
0.00	0.00	0.00

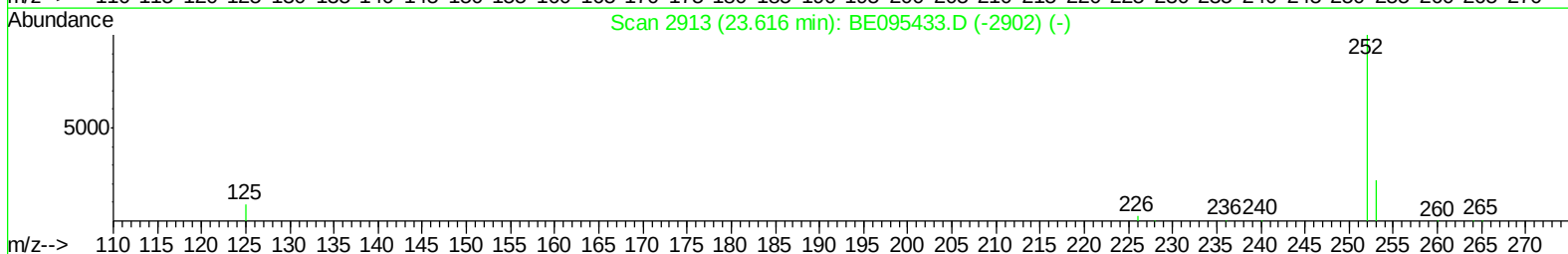
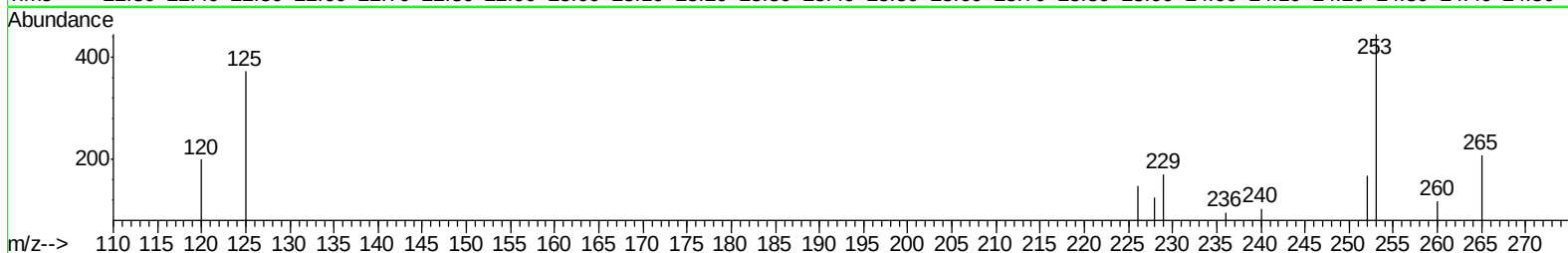
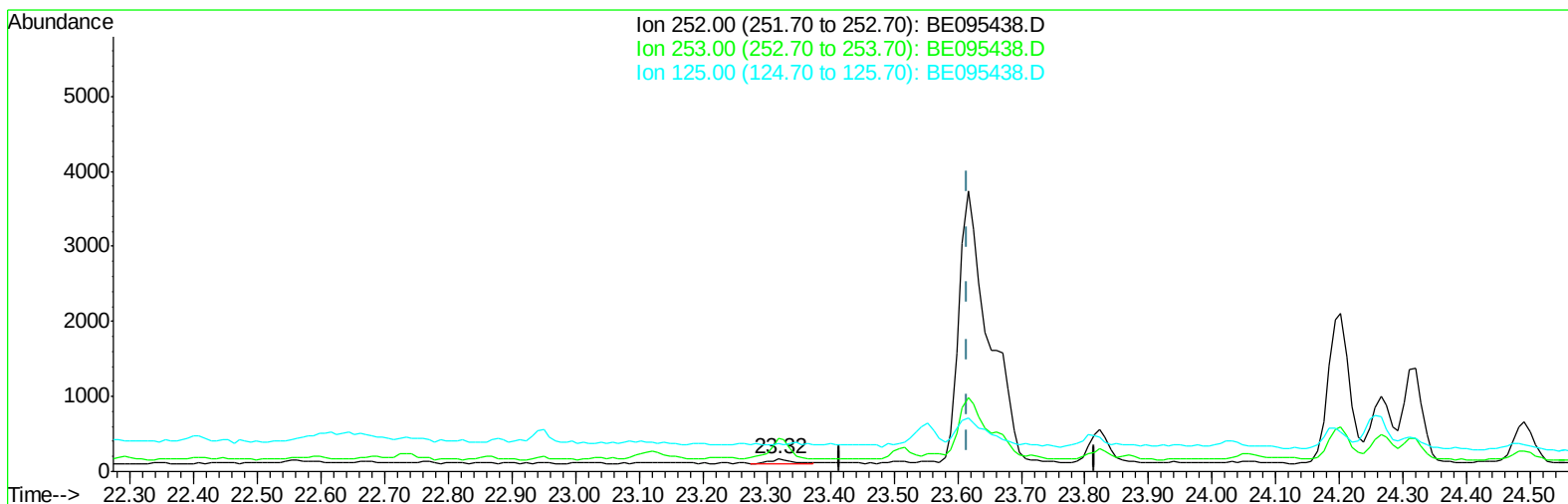
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Data File : BE095438.D
Acq On : 3 Feb 2018 15:36
Operator : SJ/JU
Sample : J1314-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6C46

Manual Integrations
APPROVED

Sohil
2/5/2018 7:01:57 PM

Quant Time: Feb 05 03:53:09 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 05 03:32:57 2018
Response via : Initial Calibration



TIC: BE095438.D

(21) Benzo(b)fluoranthene

23.318min (-0.297) 0.01ng/ul

response 160

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	265.48#
125.00	17.50	222.02#
0.00	0.00	0.00

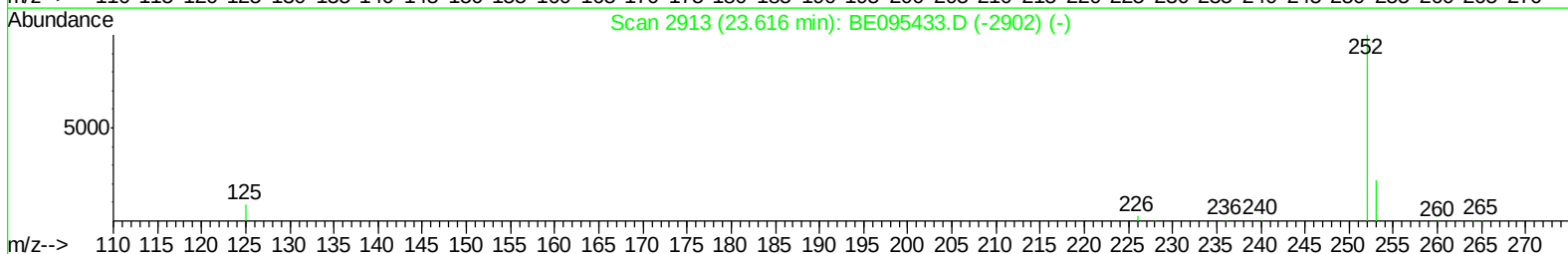
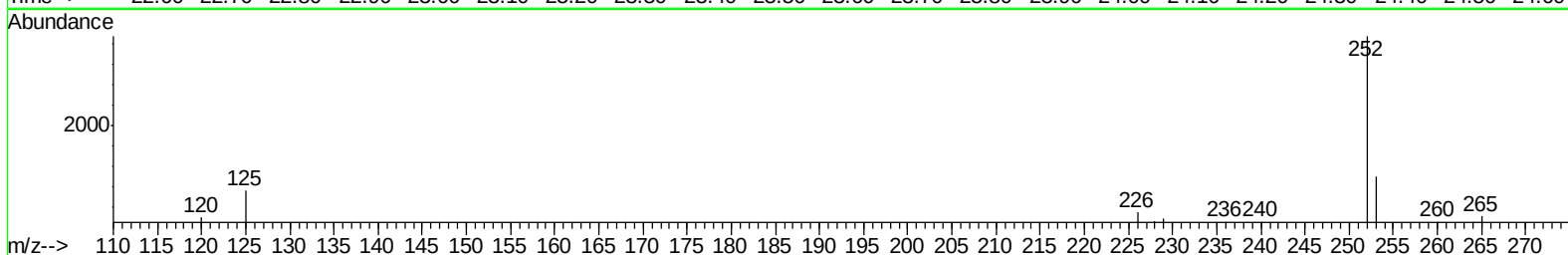
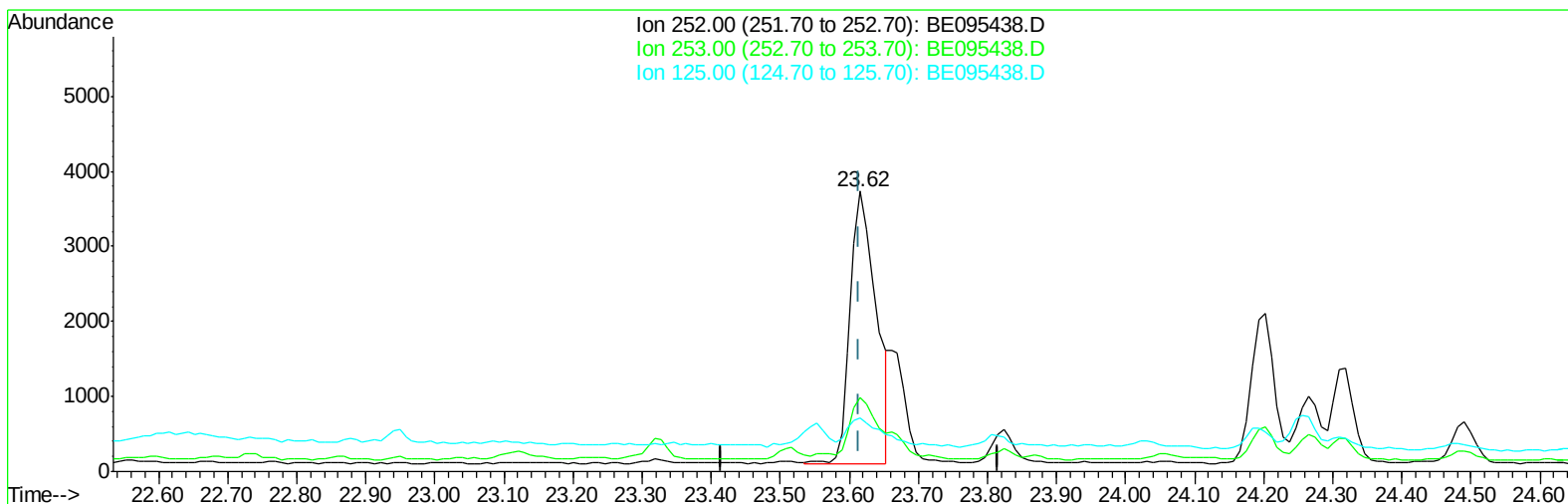
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020318\
Data File : BE095438.D
Acq On : 3 Feb 2018 15:36
Operator : SJ/JU
Sample : J1314-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6C46

Manual Integrations
APPROVED

Sohil
2/5/2018 7:01:57 PM

Quant Time: Feb 05 03:53:09 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



TIC: BE095438.D

(21) Benzo(b)fluoranthene

23.616min (+0.000) 0.41ng/ul m

response 9419

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	26.54
125.00	17.50	18.94
0.00	0.00	0.00

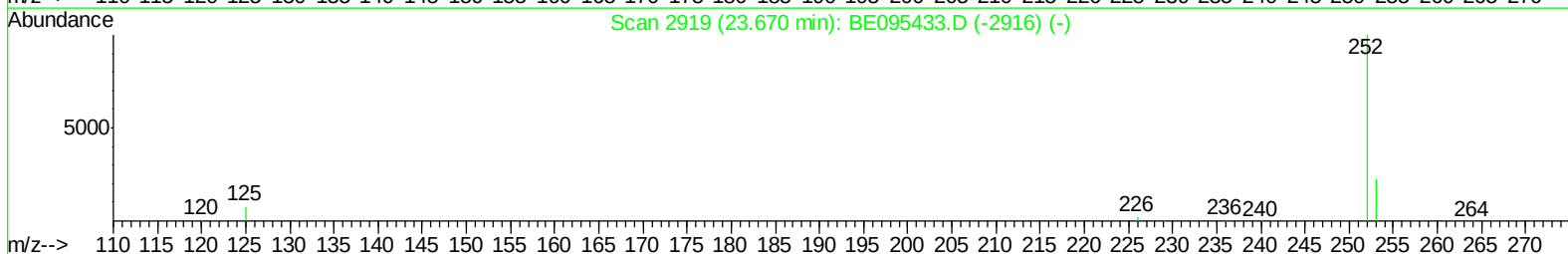
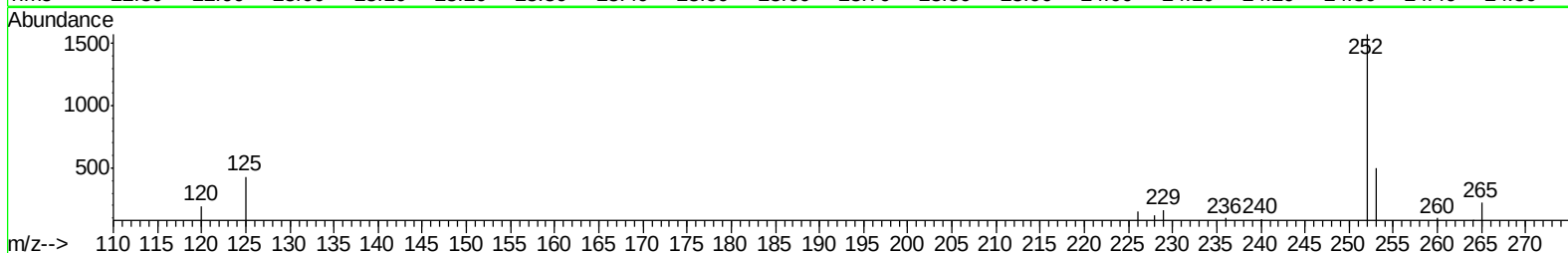
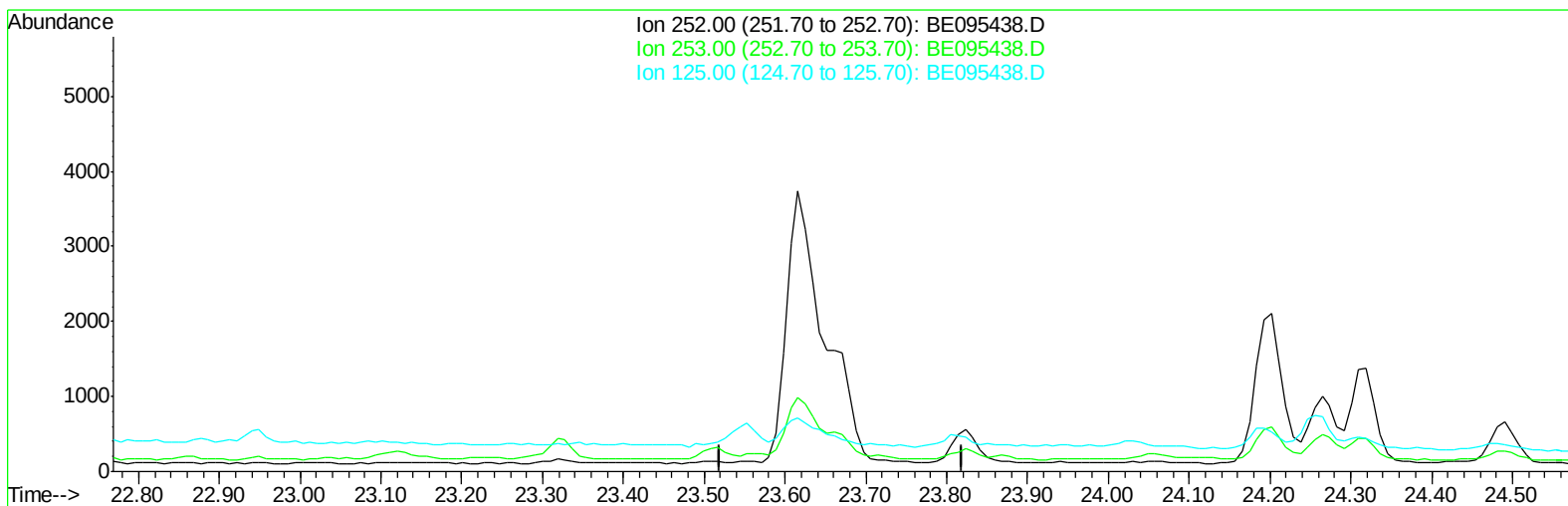
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020318\
Data File : BE095438.D
Acq On : 3 Feb 2018 15:36
Operator : SJ/JU
Sample : J1314-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6C46

Manual Integrations
APPROVED

Sohil
2/5/2018 7:01:57 PM

Quant Time: Feb 05 03:53:09 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
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Response via : Initial Calibration



TIC: BE095438.D

(22) Benzo(k)fluoranthene

23.670min (-23.670) 0.00ng/ul

response 0

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

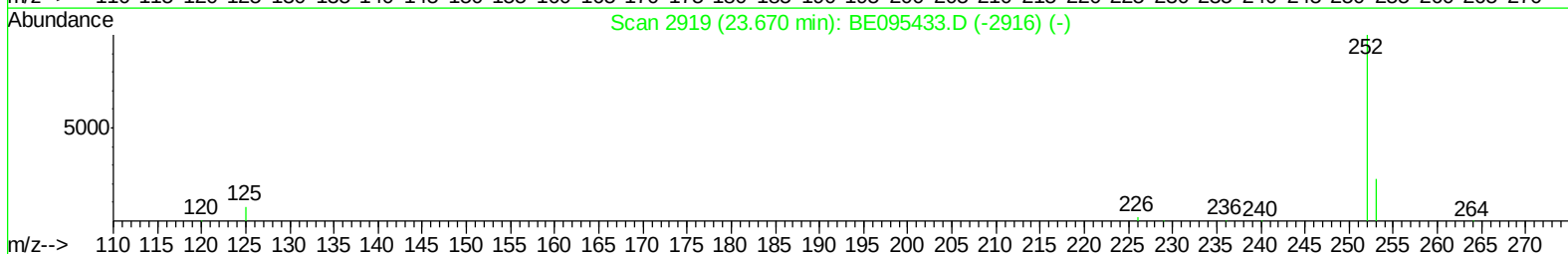
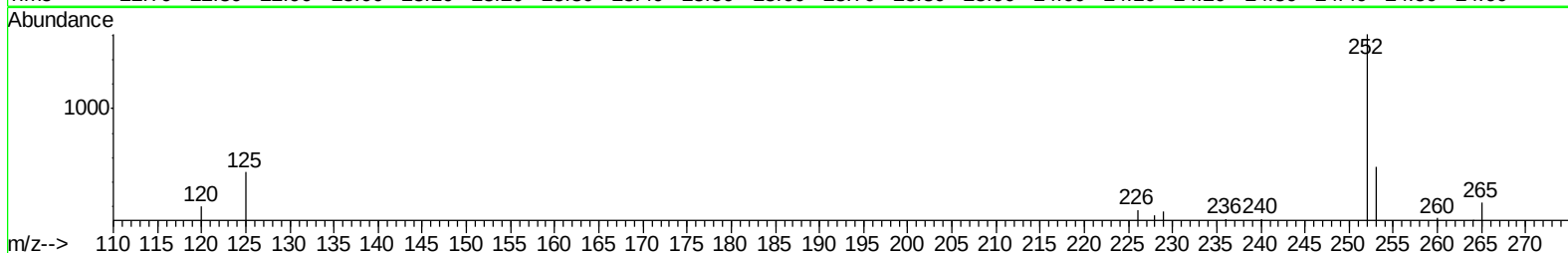
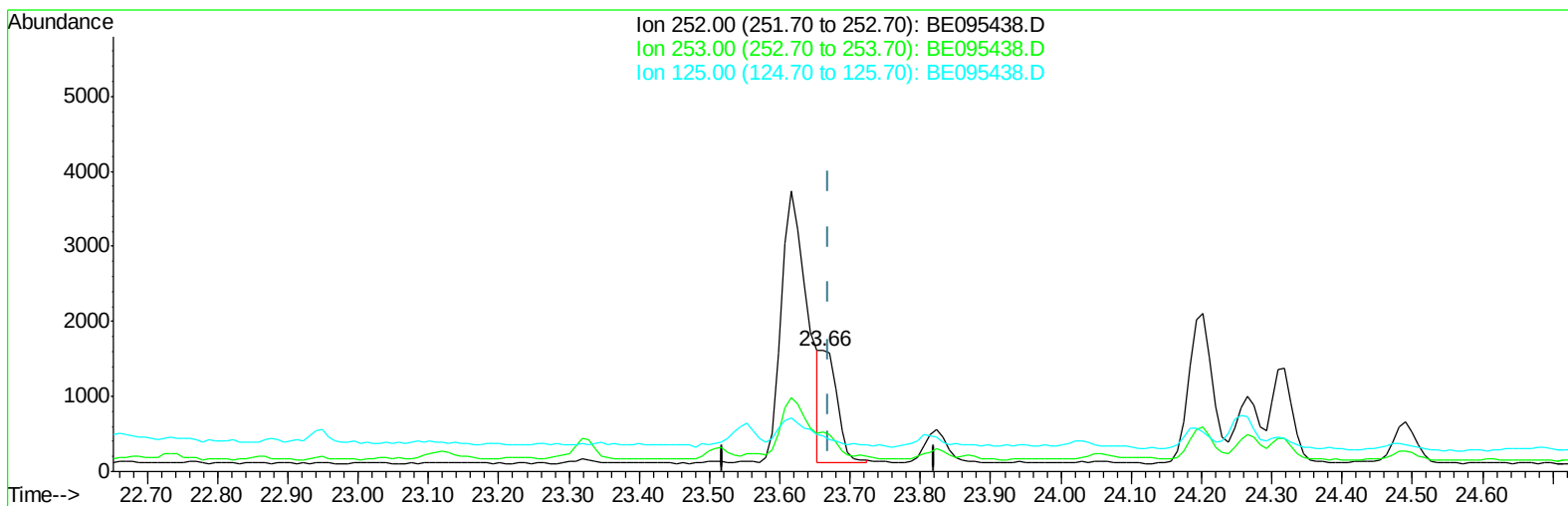
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020318\
Data File : BE095438.D
Acq On : 3 Feb 2018 15:36
Operator : SJ/JU
Sample : J1314-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6C46

Manual Integrations
APPROVED

Sohil
2/5/2018 7:01:57 PM

Quant Time: Feb 05 03:53:09 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 05 03:32:57 2018
Response via : Initial Calibration



TIC: BE095438.D

(22) Benzo(k)fluoranthene

23.661min (-0.009) 0.12ng/ul m

response 2464

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	32.55
125.00	17.10	29.57#
0.00	0.00	0.00

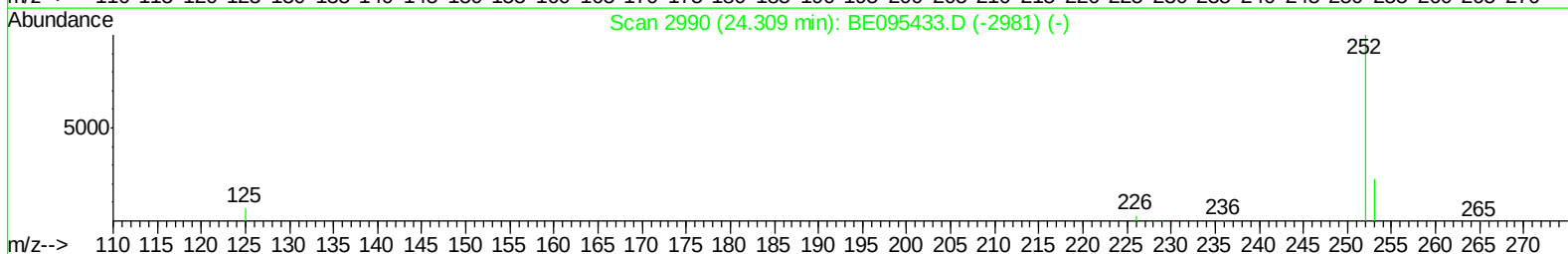
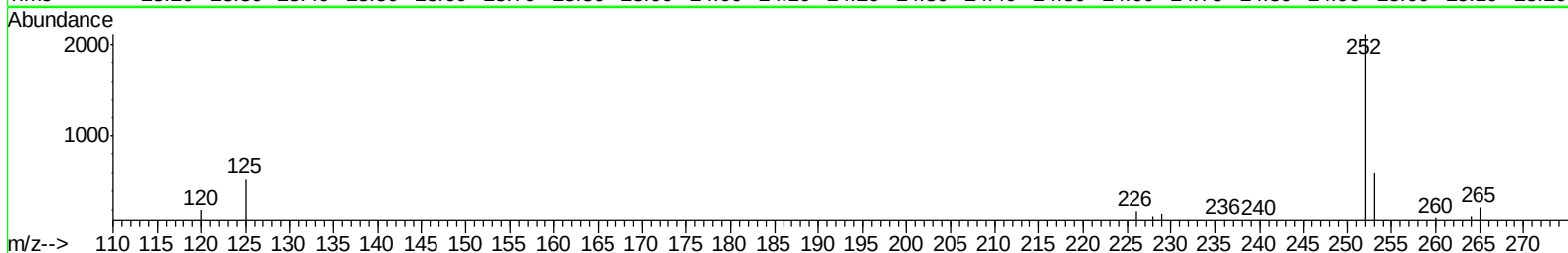
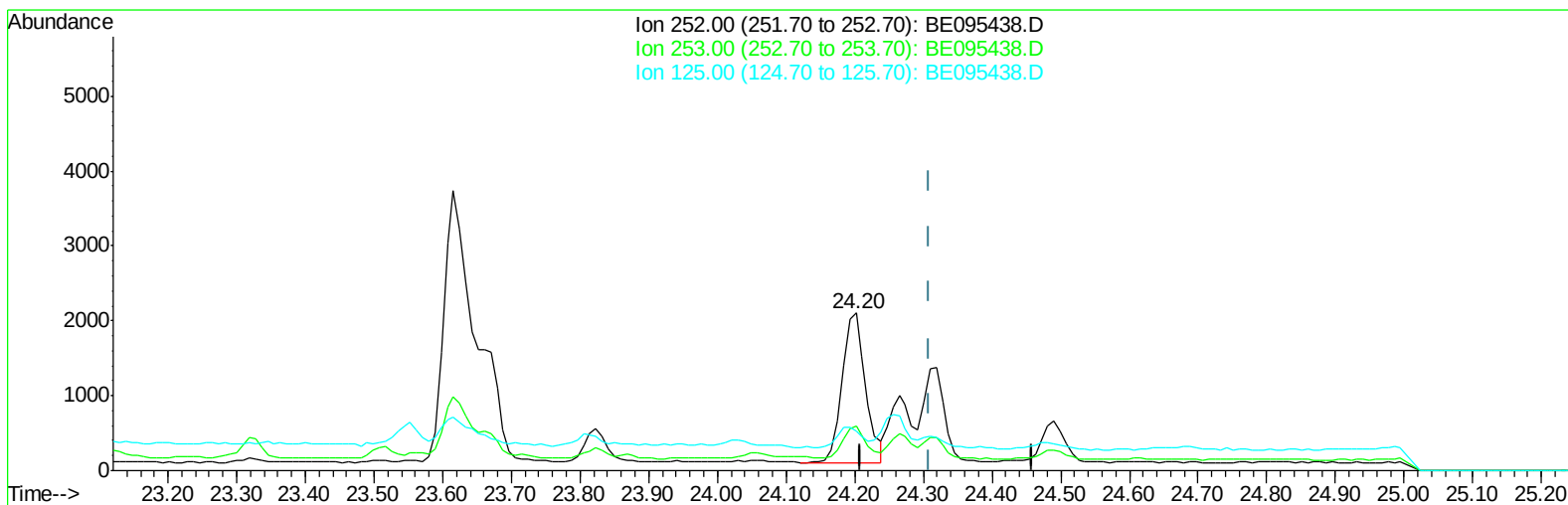
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020318\
Data File : BE095438.D
Acq On : 3 Feb 2018 15:36
Operator : SJ/JU
Sample : J1314-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6C46

Manual Integrations
APPROVED

Sohil
2/5/2018 7:01:57 PM

Quant Time: Feb 05 03:53:09 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 05 03:32:57 2018
Response via : Initial Calibration



TIC: BE095438.D

(23) Benzo(a)pyrene (C)

24.202min (-0.108) 0.24ng/ul

response 4776

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	28.36#
125.00	22.60	25.32
0.00	0.00	0.00

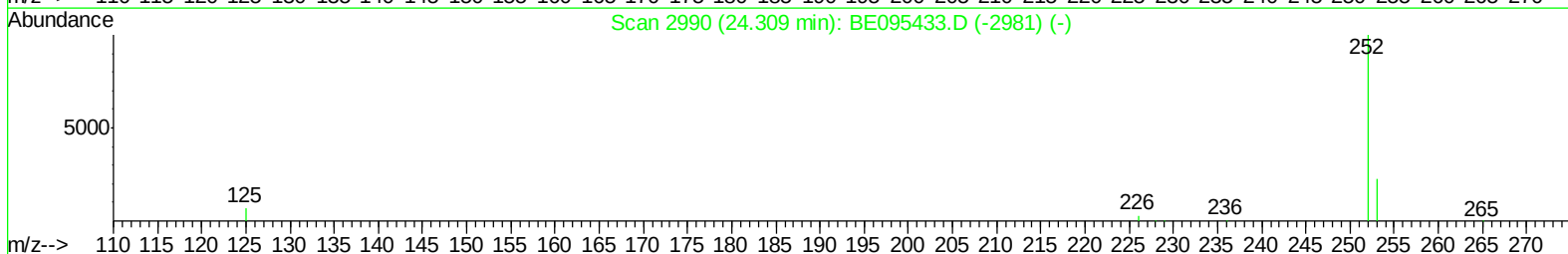
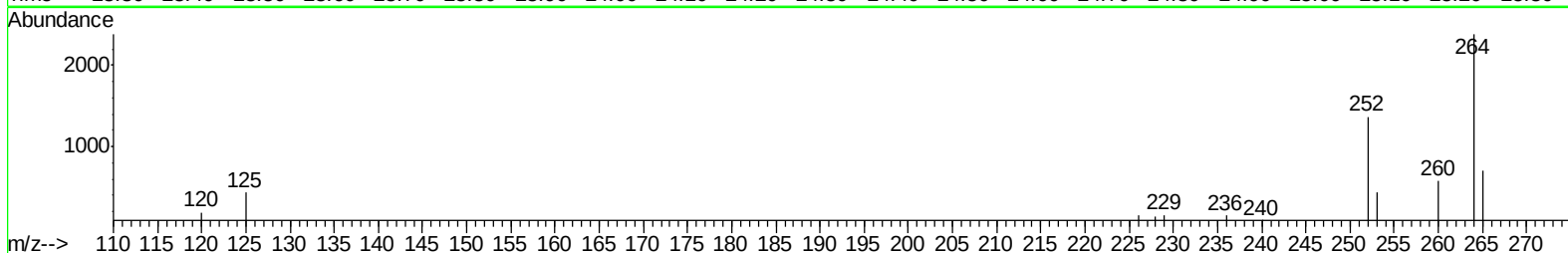
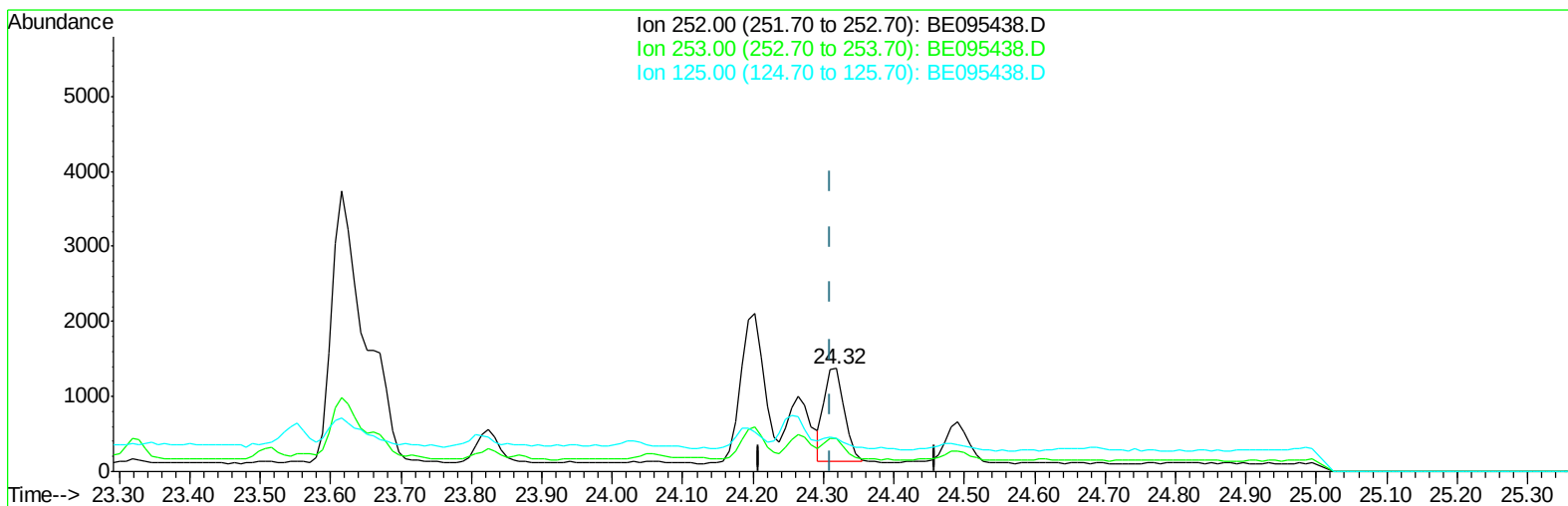
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020318\
Data File : BE095438.D
Acq On : 3 Feb 2018 15:36
Operator : SJ/JU
Sample : J1314-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6C46

Manual Integrations
APPROVED

Sohil
2/5/2018 7:01:57 PM

Quant Time: Feb 05 03:53:09 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
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Response via : Initial Calibration



TIC: BE095438.D

(23) Benzo(a)pyrene (C)

24.319min (+0.009) 0.12ng/ul m

response 2445

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	31.95
125.00	22.60	31.66#
0.00	0.00	0.00

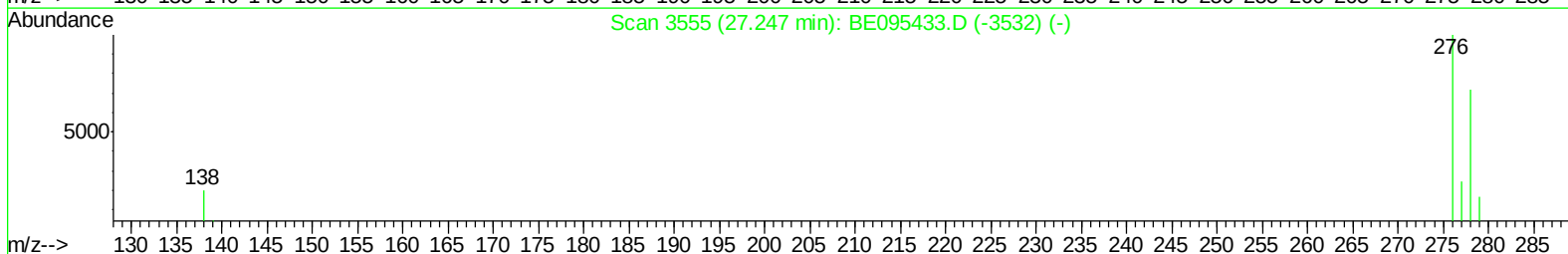
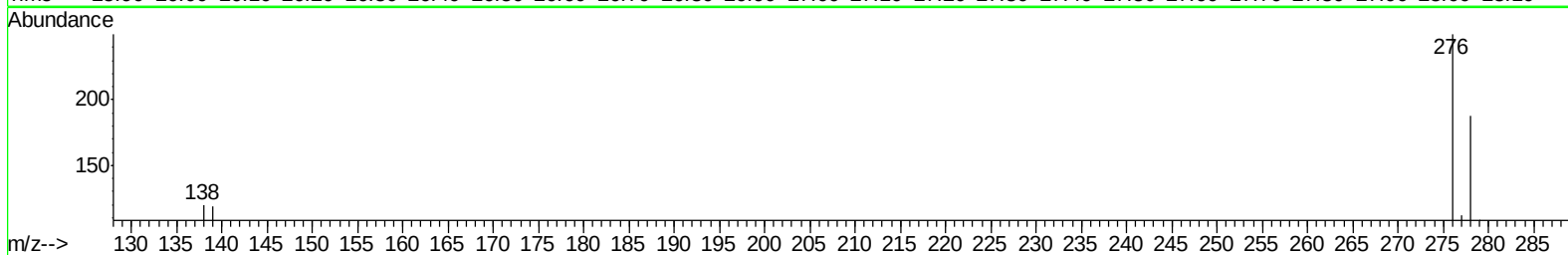
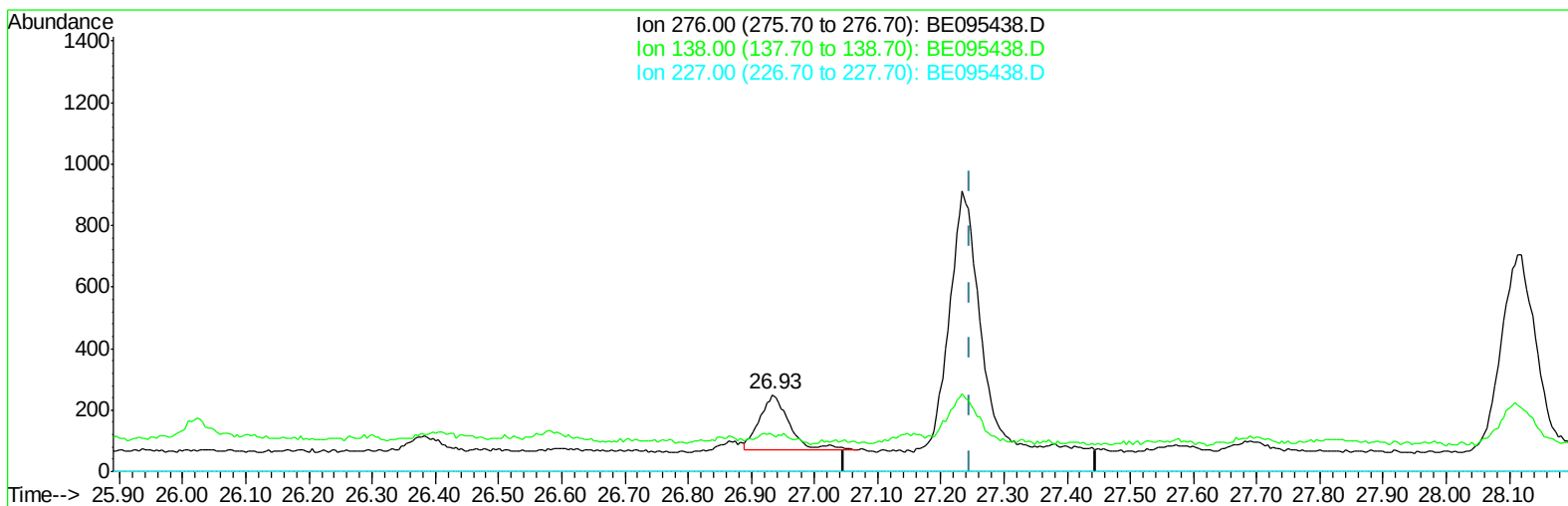
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020318\
Data File : BE095438.D
Acq On : 3 Feb 2018 15:36
Operator : SJ/JU
Sample : J1314-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6C46

Manual Integrations
APPROVED

Sohil
2/5/2018 7:01:57 PM

Quant Time: Feb 05 03:53:09 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 05 03:32:57 2018
Response via : Initial Calibration



TIC: BE095438.D

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

26.934min (-0.313) 0.03ng/ul

response 601

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	6.32#
227.00	10.00	0.00#
0.00	0.00	0.00

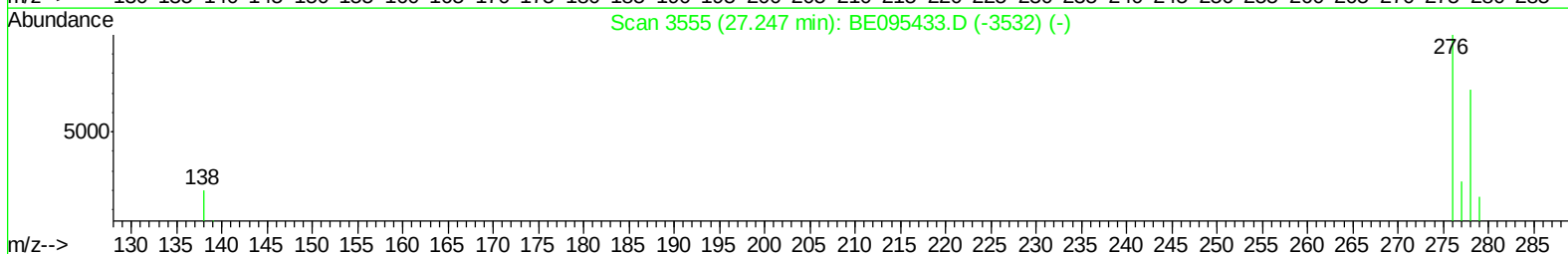
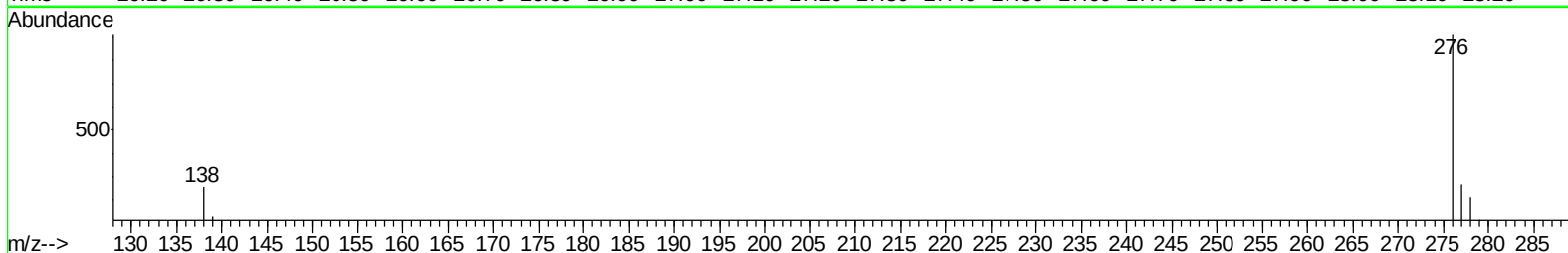
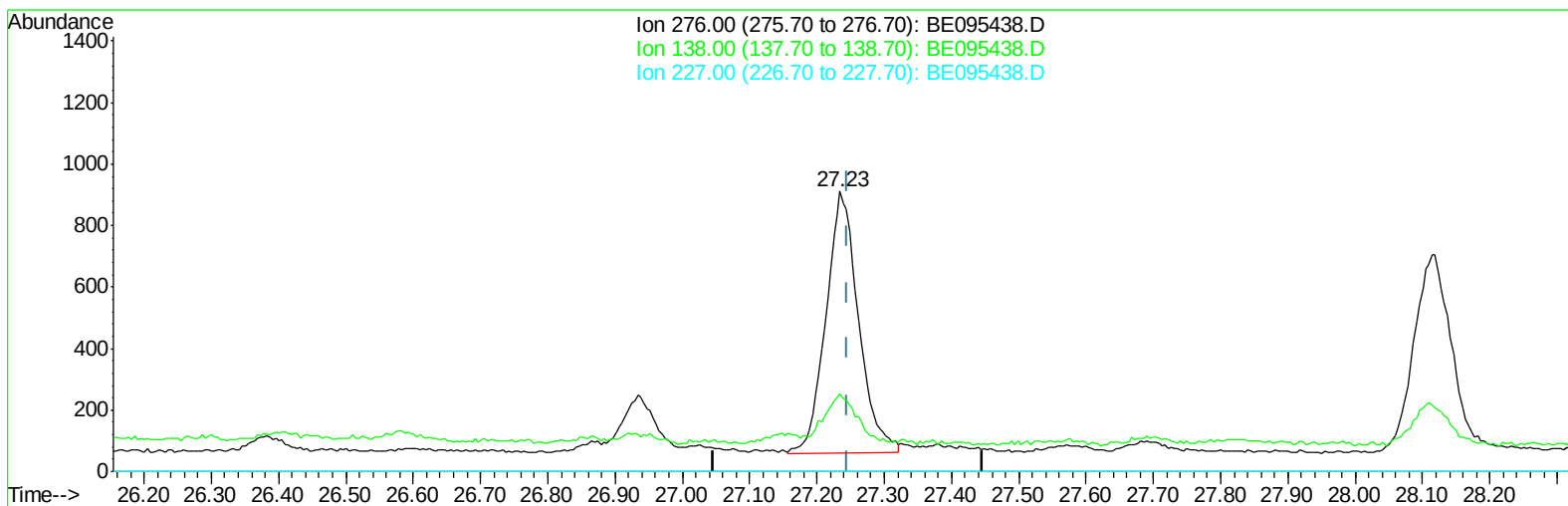
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020318\
Data File : BE095438.D
Acq On : 3 Feb 2018 15:36
Operator : SJ/JU
Sample : J1314-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6C46

Manual Integrations
APPROVED

Sohil
2/5/2018 7:01:57 PM

Quant Time: Feb 05 03:53:09 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 05 03:32:57 2018
Response via : Initial Calibration



TIC: BE095438.D

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

27.234min (-0.012) 0.13ng/ul m

response 2855

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	1.33#
227.00	10.00	0.00#
0.00	0.00	0.00

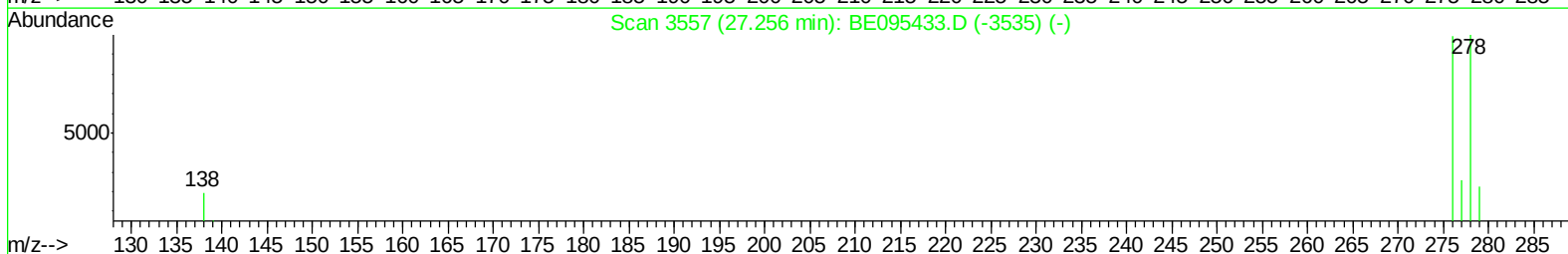
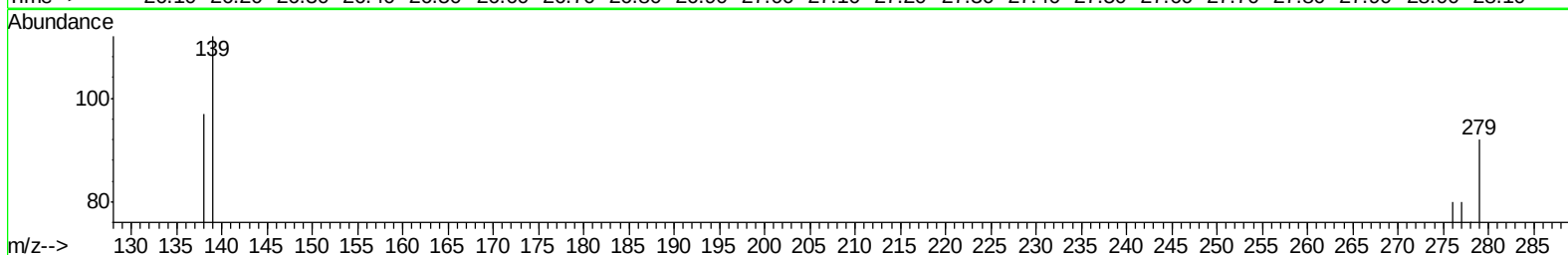
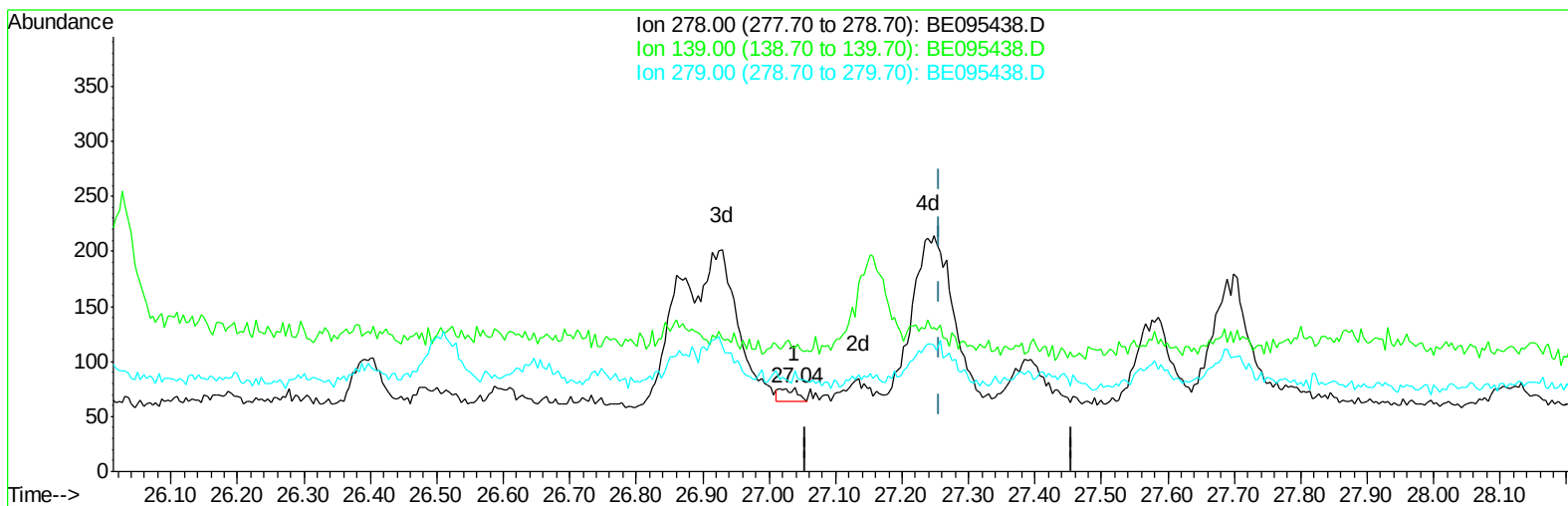
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020318\
Data File : BE095438.D
Acq On : 3 Feb 2018 15:36
Operator : SJ/JU
Sample : J1314-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :
F6C46

Manual Integrations
APPROVED

Sohil
2/5/2018 7:01:57 PM

Quant Time: Feb 05 03:53:09 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 05 03:32:57 2018
Response via : Initial Calibration



TIC: BE095438.D

(25) Dibenzo(a,h)anthracene

27.038min (-0.217) 0.00ng/ul

response 20

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	147.37#
279.00	32.40	121.05#
0.00	0.00	0.00

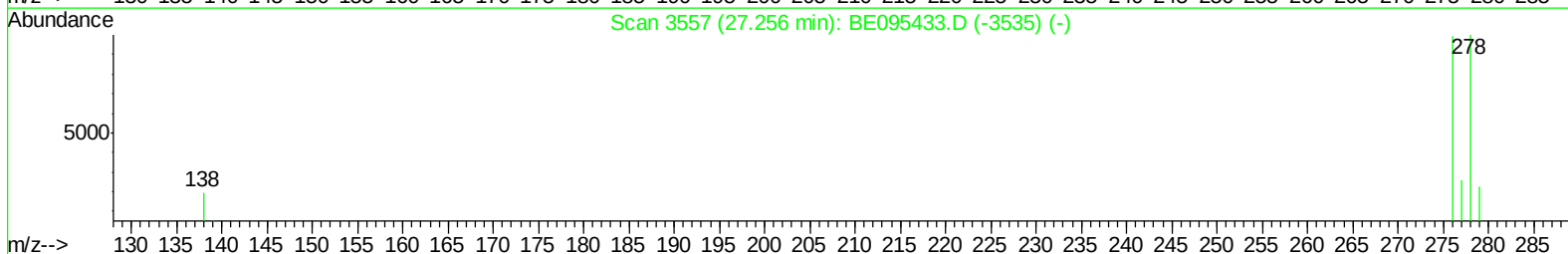
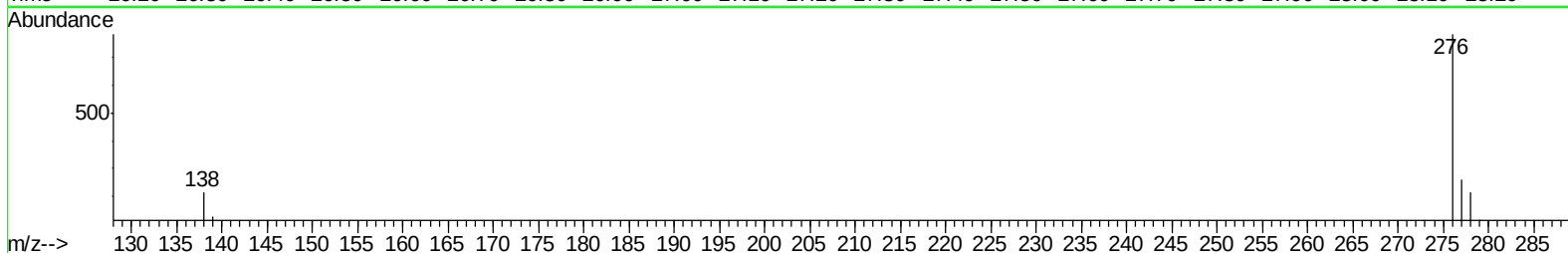
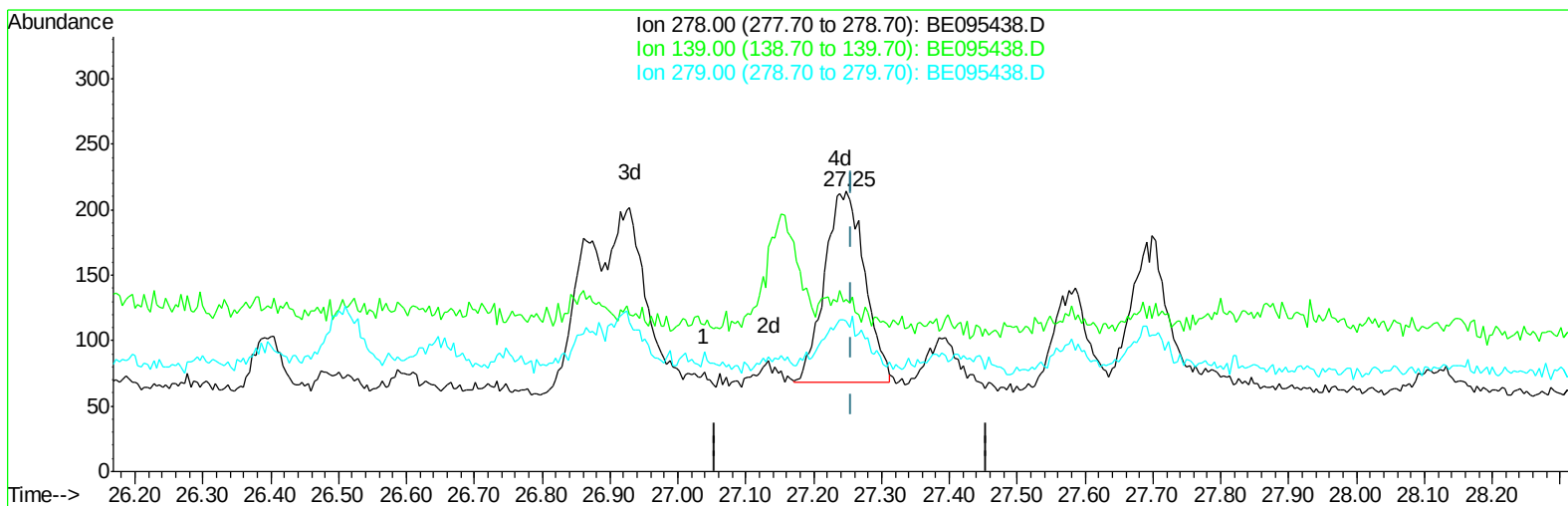
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020318\
Data File : BE095438.D
Acq On : 3 Feb 2018 15:36
Operator : SJ/JU
Sample : J1314-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6C46

Manual Integrations
APPROVED

Sohil
2/5/2018 7:01:57 PM

Quant Time: Feb 05 03:53:09 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
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TIC: BE095438.D

(25) Dibenzo(a,h)anthracene

27.248min (-0.008) 0.03ng/ul m

response 599

Ion	Exp%	Act%
278.00	100	100
139.00	21.70	61.21#
279.00	32.40	53.74#
0.00	0.00	0.00

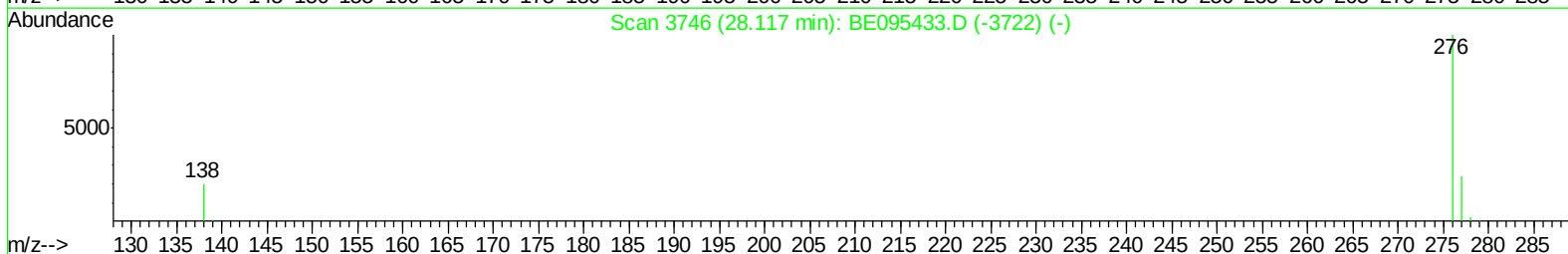
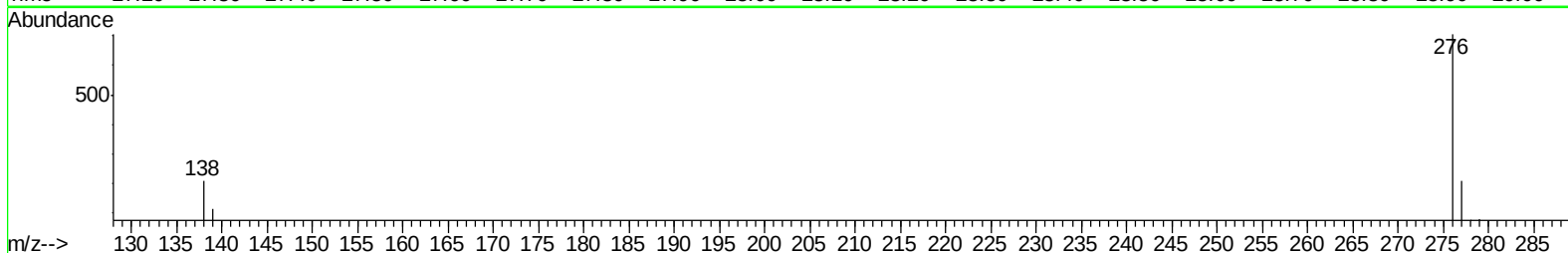
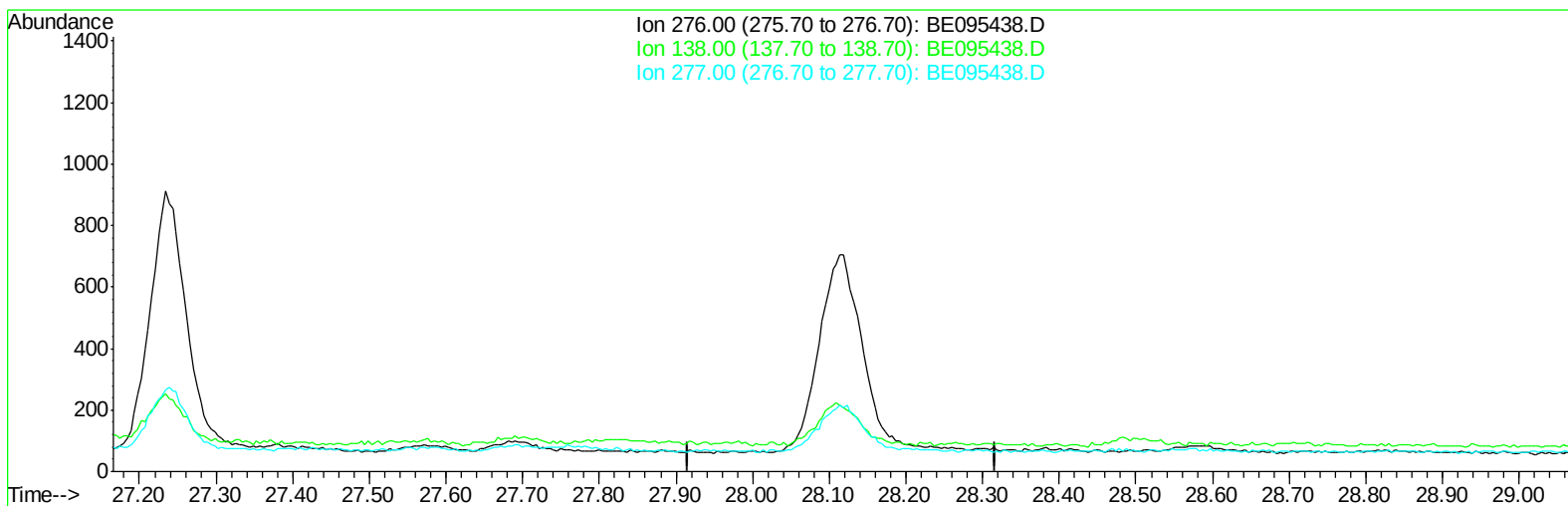
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020318\
Data File : BE095438.D
Acq On : 3 Feb 2018 15:36
Operator : SJ/JU
Sample : J1314-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6C46

Manual Integrations
APPROVED

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Quant Time: Feb 05 03:53:09 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 05 03:32:57 2018
Response via : Initial Calibration



TIC: BE095438.D

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

28.117min (-28.117) 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

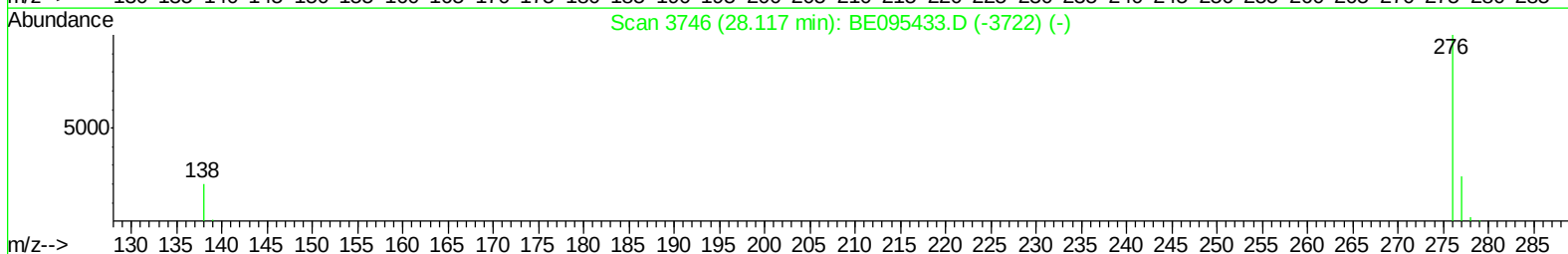
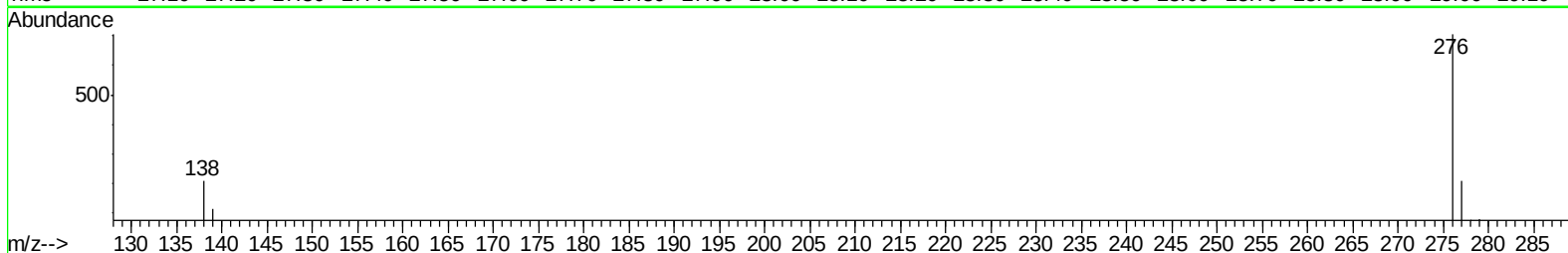
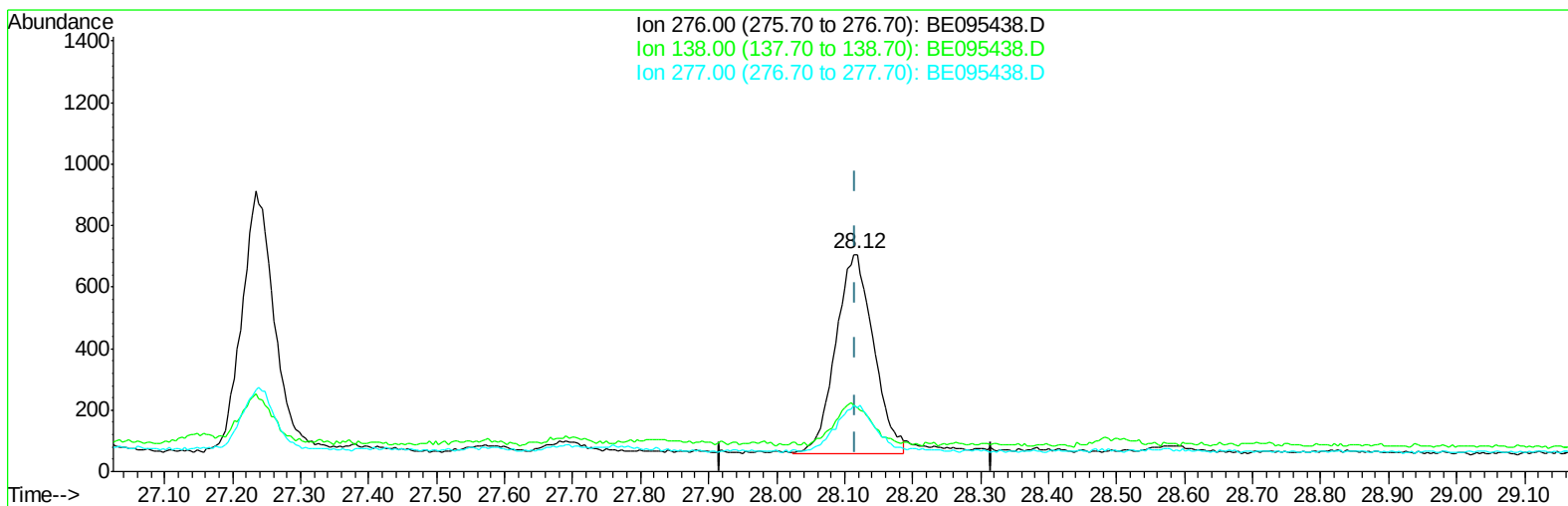
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020318\
Data File : BE095438.D
Acq On : 3 Feb 2018 15:36
Operator : SJ/JU
Sample : J1314-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
F6C46

Manual Integrations
APPROVED

Sohil
2/5/2018 7:01:57 PM

Quant Time: Feb 05 03:53:09 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 05 03:32:57 2018
Response via : Initial Calibration



TIC: BE095438.D

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

28.118min (+0.001) 0.13ng/ul m

response 2505

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	29.50
277.00	25.60	29.65
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020318\
 Data File : BE095438.D
 Acq On : 3 Feb 2018 15:36
 Operator : SJ/JU
 Sample : J1314-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F6C46

Manual Integrations
 APPROVED

Sohil
 2/5/2018 7:01:57 PM

Quant Time: Feb 05 03:58:56 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 03:32:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1779	0.40	ng/ul	0.00
2) Naphthalene-d8	11.26	136	5470	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.02	164	3630	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	7588	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	7177	0.40	ng/ul	0.00
20) Perylene-d12	24.44	264	6438m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.81	152	3113	0.35	ng/ul	0.00
14) Fluoranthene-d10	19.69	212	7696	0.27	ng/ul	0.00
Target Compounds				Ovalue		
11) Pentachlorophenol	17.36	266	16397	11.157	ng/ul	98
12) Phenanthrene	17.75	178	3200	0.125	ng/ul#	92
13) Anthracene	17.85	178	2336	0.100	ng/ul#	91
15) Fluoranthene	19.72	202	15176	0.459	ng/ul	83
17) Pyrene	20.08	202	14433	0.599	ng/ul#	78
18) Benzo(a)anthracene	21.78	228	4825	0.215	ng/ul#	88
19) Chrysene	21.84	228	5065	0.217	ng/ul#	88
21) Benzo(b)fluoranthene	23.62	252	9419m	0.415	ng/ul	
22) Benzo(k)fluoranthene	23.66	252	2464m	0.119	ng/ul	
23) Benzo(a)pyrene	24.32	252	2445m	0.121	ng/ul	
24) Indeno(1,2,3-cd)pyrene	27.23	276	2855m	0.128	ng/ul	
25) Dibenzo(a,h)anthracene	27.25	278	599m	0.033	ng/ul	
26) Benzo(g,h,i)perylene	28.12	276	2505m	0.133	ng/ul	

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

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020318\
Data File : BE095438.D
Acq On : 3 Feb 2018 15:36
Operator : SJ/JU
Sample : J1314-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

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