

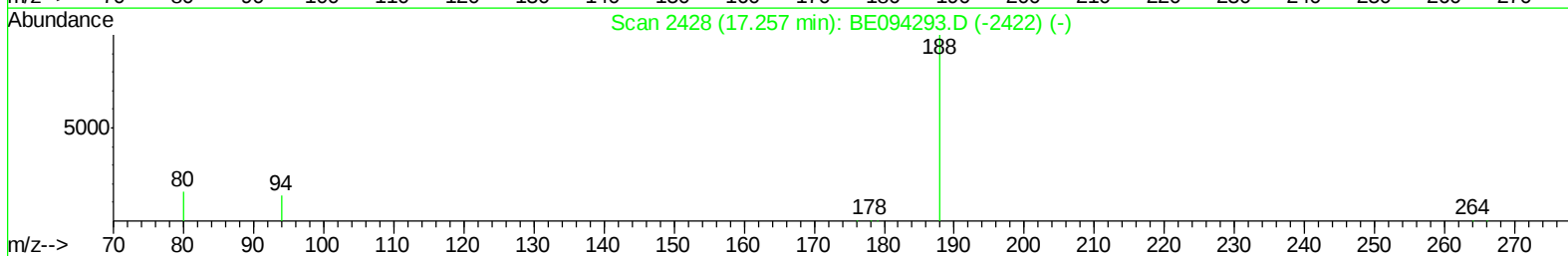
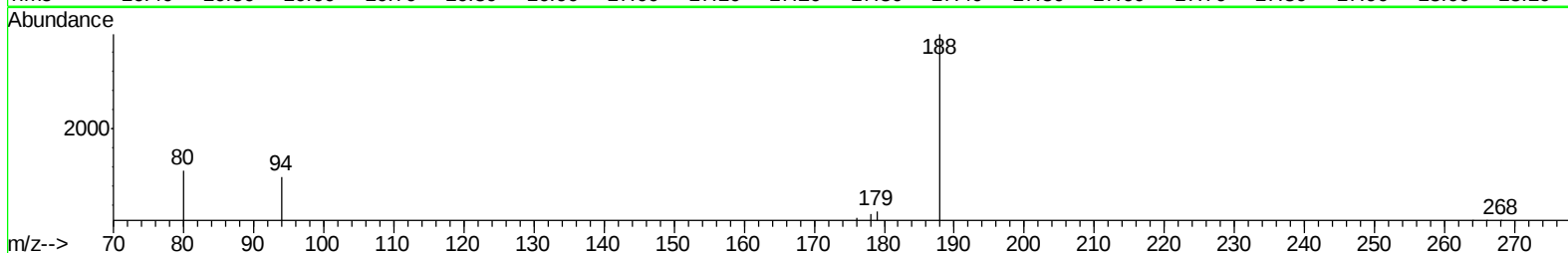
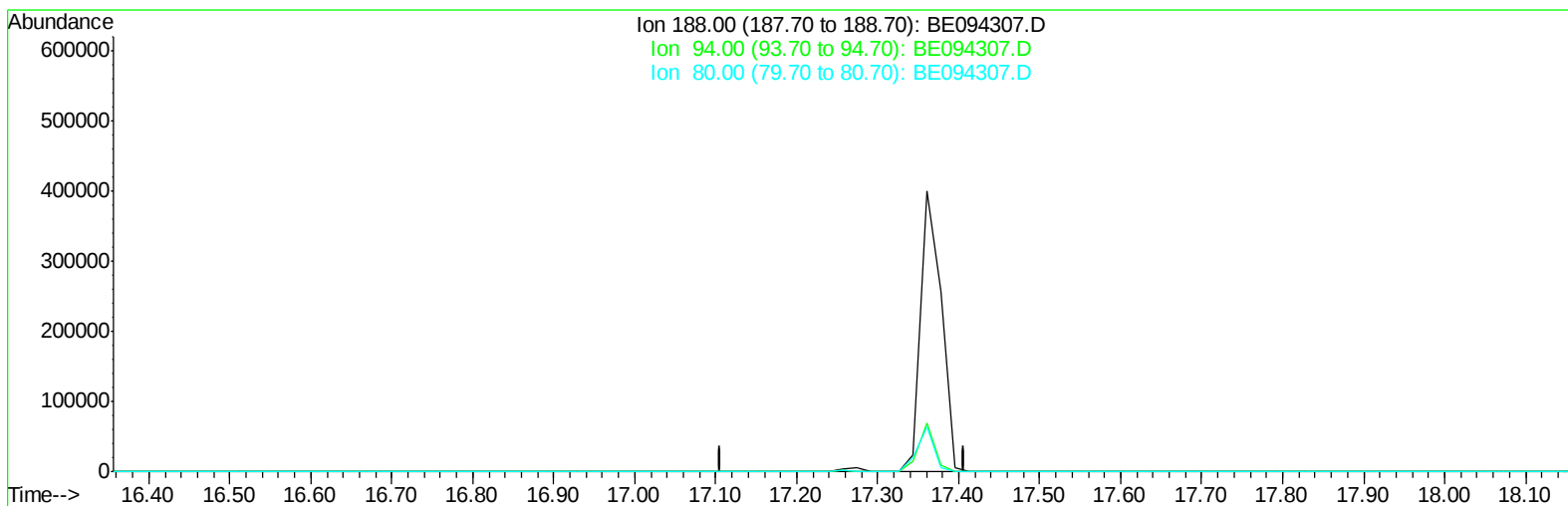
Data Path : Z:\HPCHEM1\BNA_E\Data\Be101117\
Data File : BE094307.D
Acq On : 12 Oct 2017 8:11
Operator : SJ/JU
Sample : I5649-09
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-57(2-4)-100317

Manual Integrations
APPROVED

Sohil
10/13/2017 12:06:17 PM

Quant Time: Oct 12 20:12:30 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: BE094307.D

(10) Phenanthrene-d10 (I)

17.257min (-17.257) 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

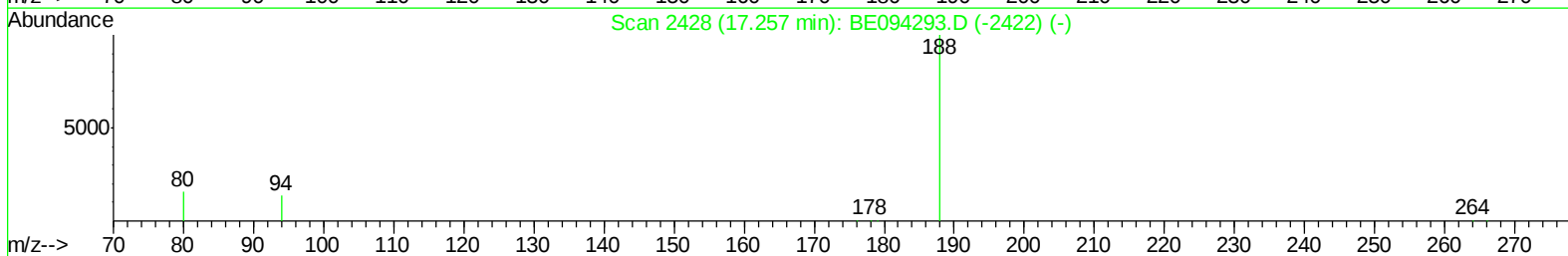
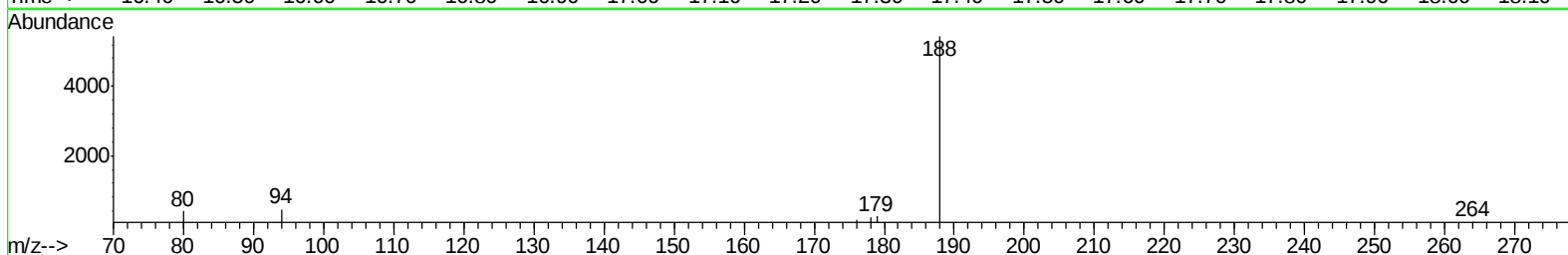
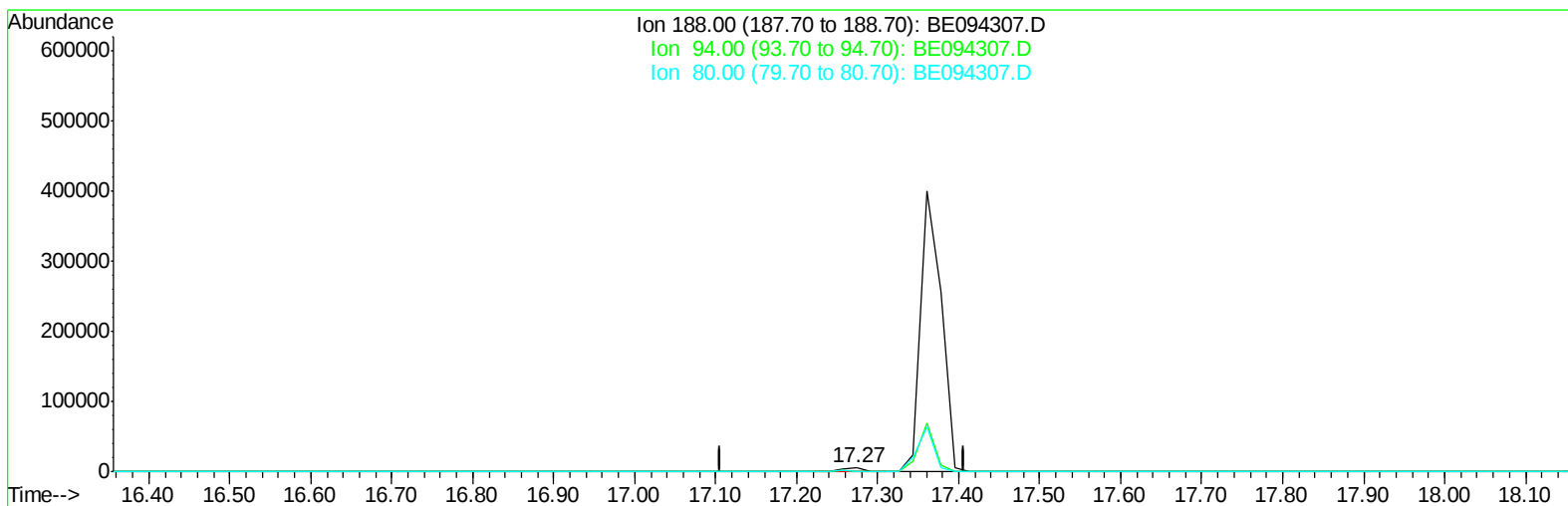
Data Path : Z:\HPCHEM1\BNA_E\Data\Be101117\
Data File : BE094307.D
Acq On : 12 Oct 2017 8:11
Operator : SJ/JU
Sample : I5649-09
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-57(2-4)-100317

Manual Integrations
APPROVED

Sohil
10/13/2017 12:06:17 PM

Quant Time: Oct 12 20:12:30 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: BE094307.D

(10) Phenanthrene-d10 (I)

17.274min (+0.017) 0.40ng/ul m

response 10508

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	8.42#
80.00	11.80	7.43#
0.00	0.00	0.00

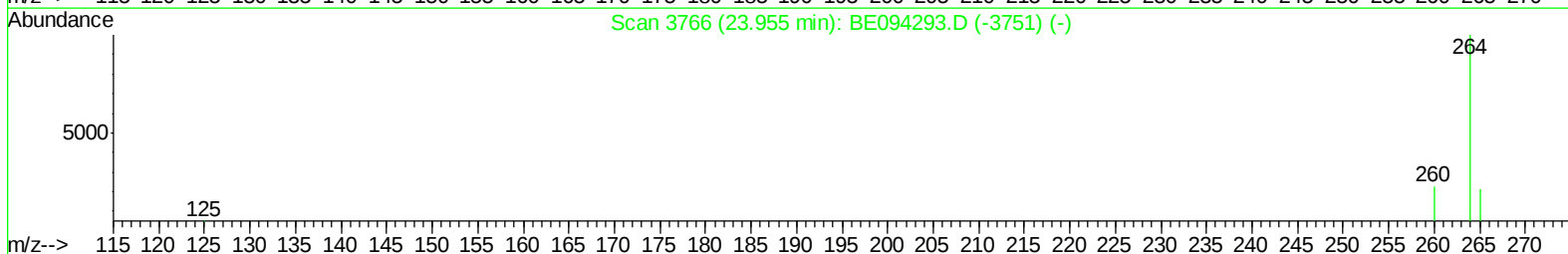
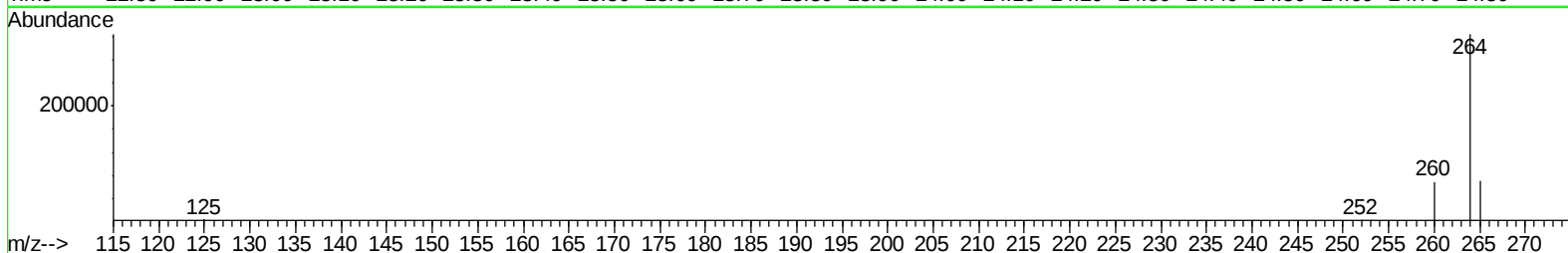
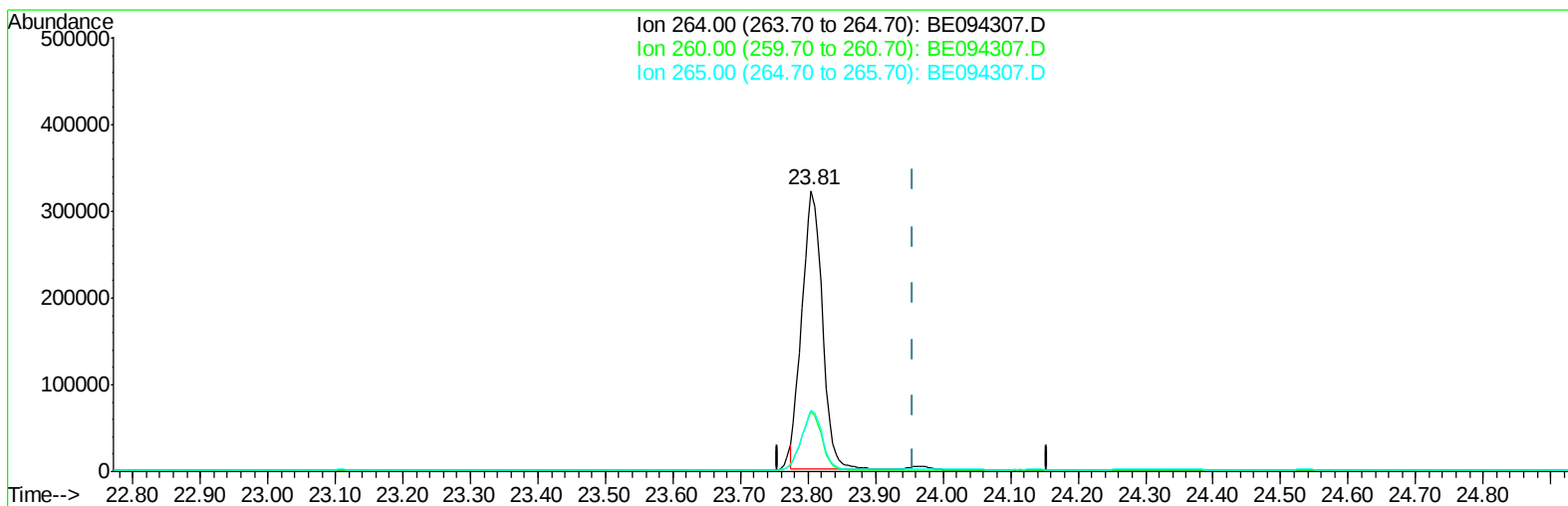
Data Path : Z:\HPCHEM1\BNA_E\Data\Be101117\
Data File : BE094307.D
Acq On : 12 Oct 2017 8:11
Operator : SJ/JU
Sample : I5649-09
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-57(2-4)-100317

Manual Integrations
APPROVED

Sohil
10/13/2017 12:06:17 PM

Quant Time: Oct 12 20:13:14 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: BE094307.D

(20) Perylene-d12 (I)

23.805min (-0.150) 0.40ng/ul

response 677890

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.28#
265.00	103.50	21.76#
0.00	0.00	0.00

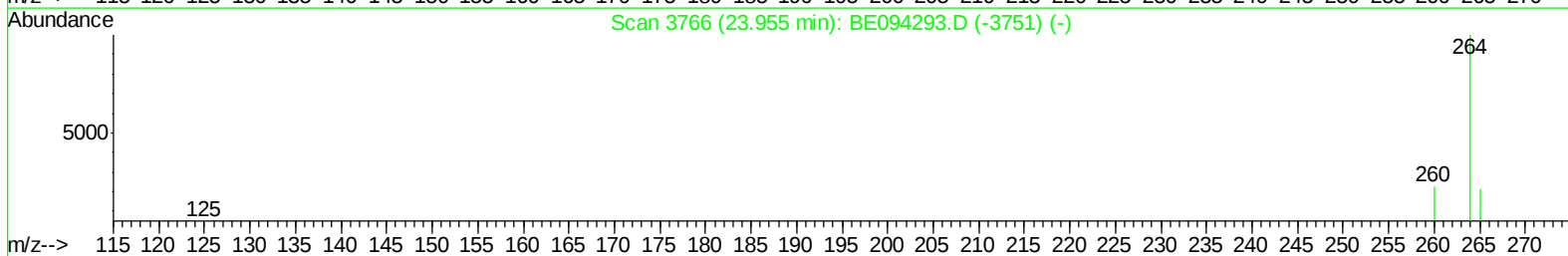
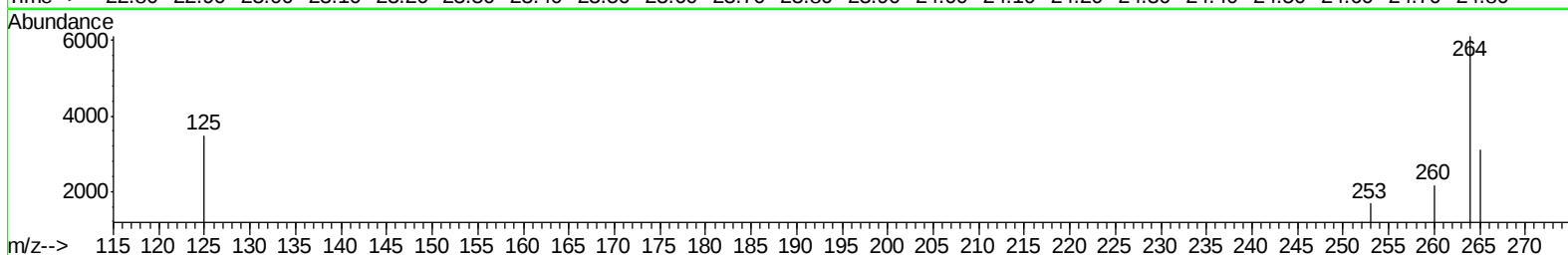
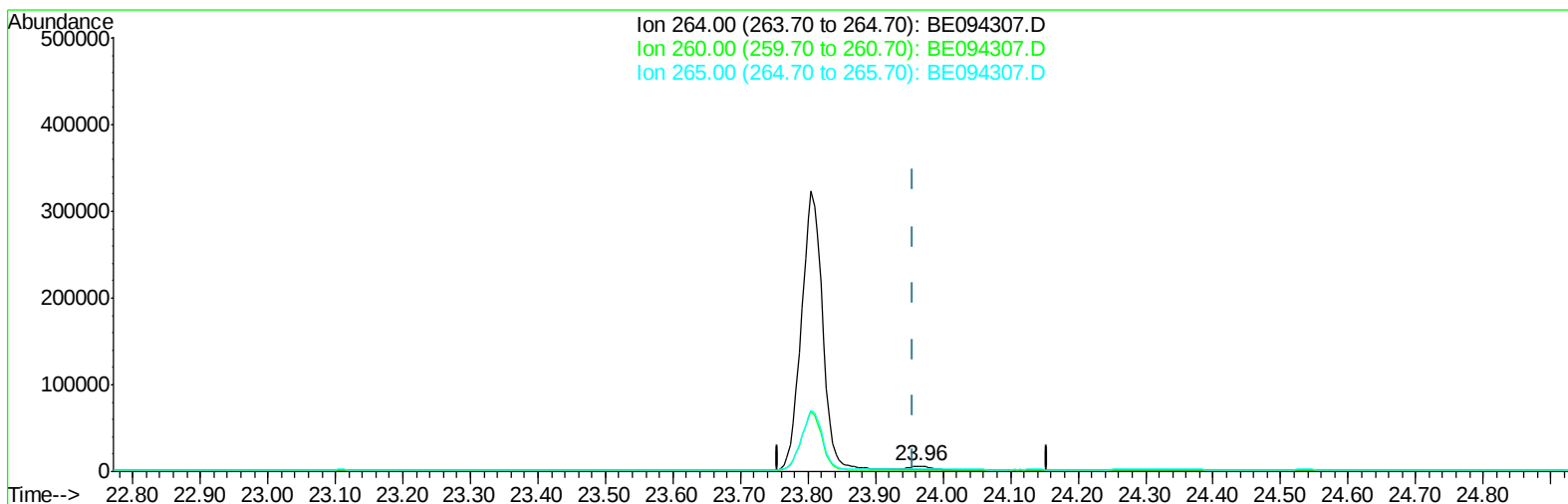
Data Path : Z:\HPCHEM1\BNA_E\Data\Be101117\
Data File : BE094307.D
Acq On : 12 Oct 2017 8:11
Operator : SJ/JU
Sample : I5649-09
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-57(2-4)-100317

Manual Integrations
APPROVED

Sohil
10/13/2017 12:06:17 PM

Quant Time: Oct 12 20:13:14 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: BE094307.D

(20) Perylene-d12 (I)

23.964min (+0.009) 0.40ng/ul m

response 8555

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	35.46
265.00	103.50	50.57#
0.00	0.00	0.00

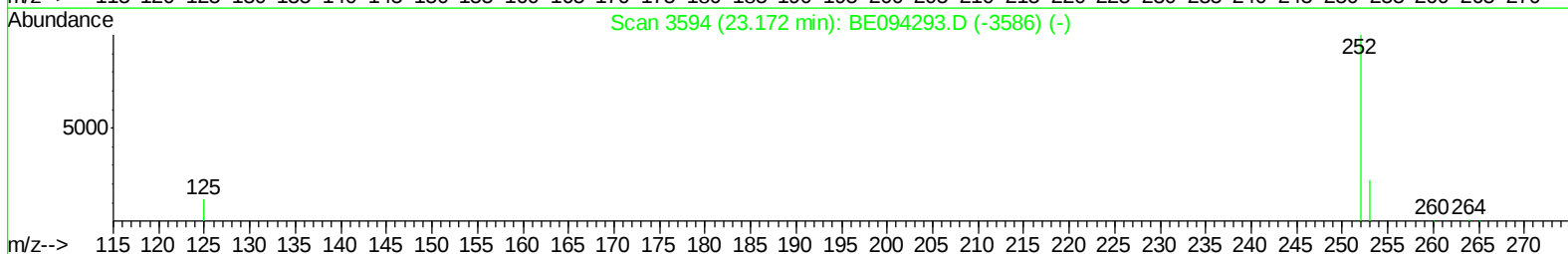
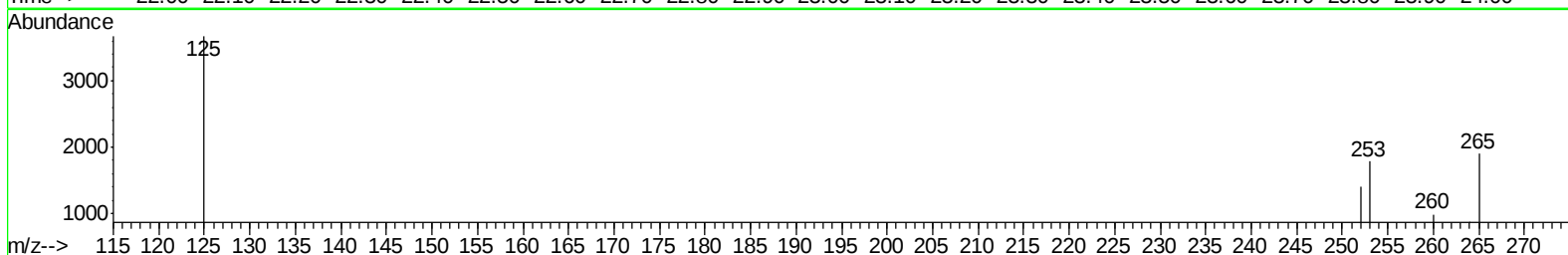
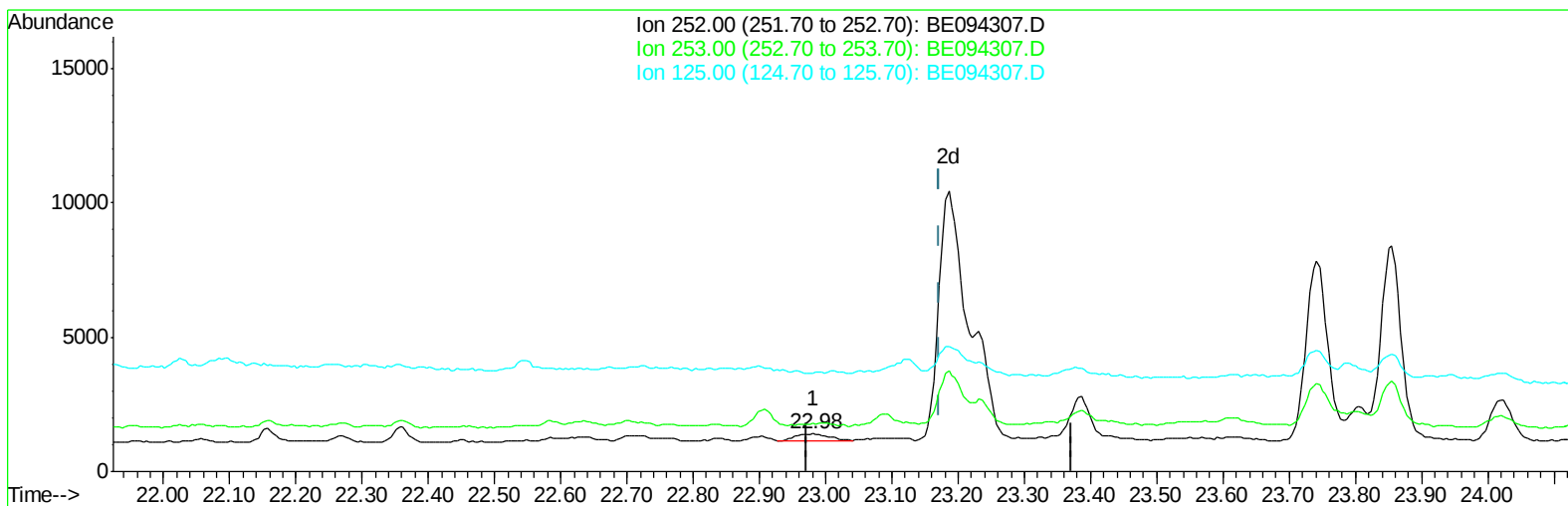
Data Path : Z:\HPCHEM1\BNA_E\Data\Be101117\
Data File : BE094307.D
Acq On : 12 Oct 2017 8:11
Operator : SJ/JU
Sample : I5649-09
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-57(2-4)-100317

Manual Integrations
APPROVED

Sohil
10/13/2017 12:06:17 PM

Quant Time: Oct 12 20:14:01 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: BE094307.D

(21) Benzo(b)fluoranthene
22.981min (-0.191) 0.04ng/ul
response 975

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	127.25#
125.00	17.50	261.70#
0.00	0.00	0.00

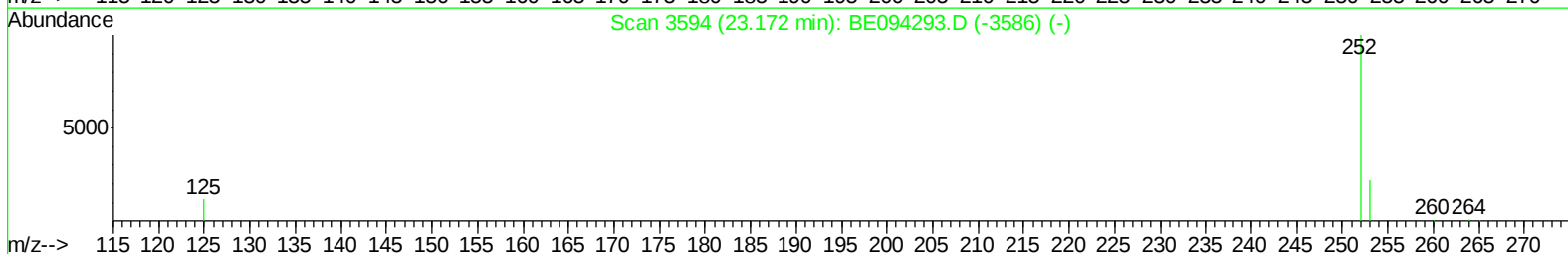
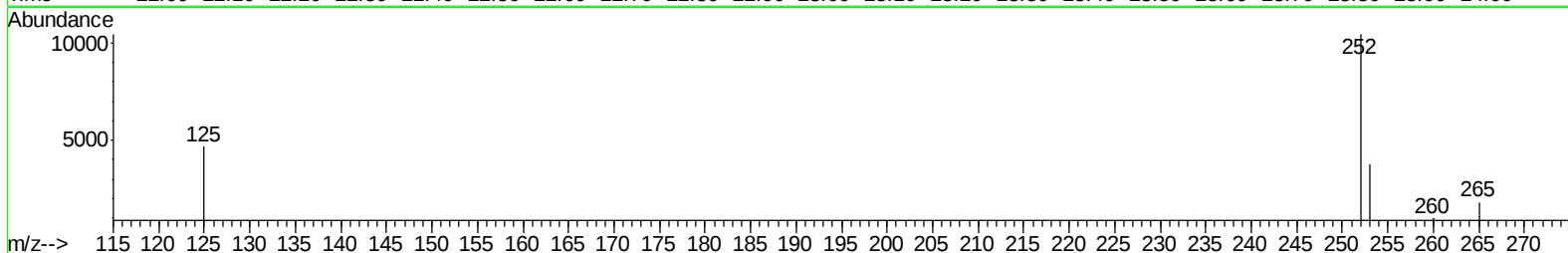
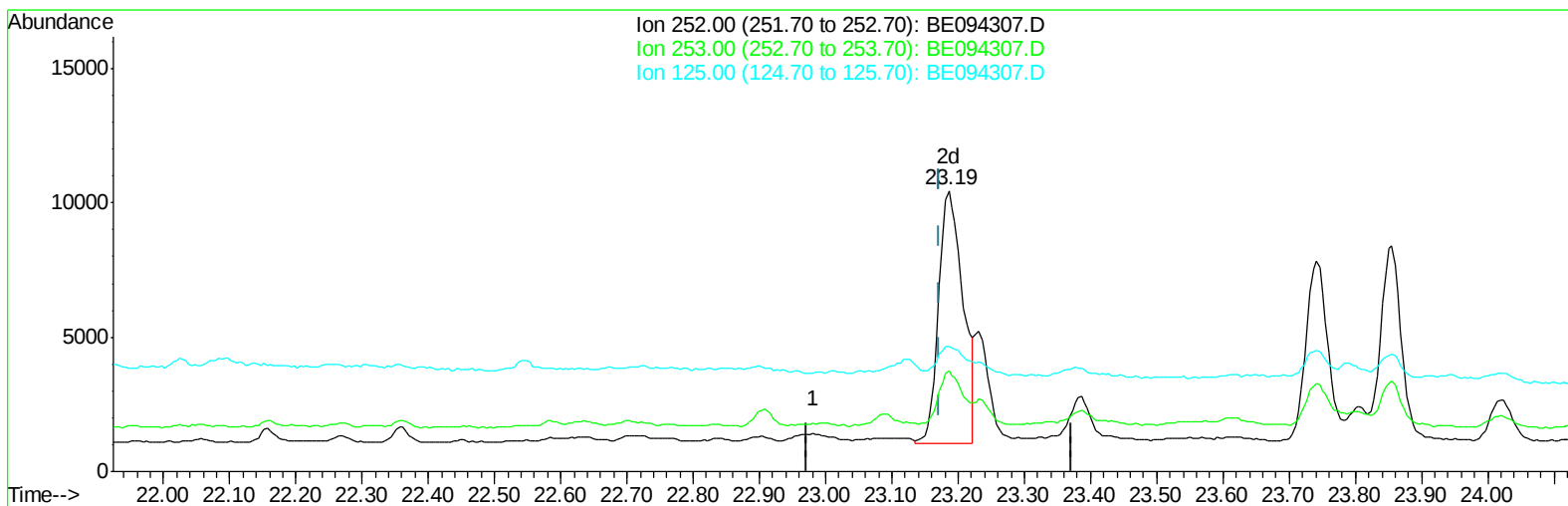
Data Path : Z:\HPCHEM1\BNA_E\Data\Be101117\
Data File : BE094307.D
Acq On : 12 Oct 2017 8:11
Operator : SJ/JU
Sample : I5649-09
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-57(2-4)-100317

Manual Integrations
APPROVED

Sohil
10/13/2017 12:06:17 PM

Quant Time: Oct 12 20:14:01 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: BE094307.D

(21) Benzo(b)fluoranthene

23.186min (+0.014) 1.04ng/ul m

response 24258

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	36.01
125.00	17.50	44.71#
0.00	0.00	0.00

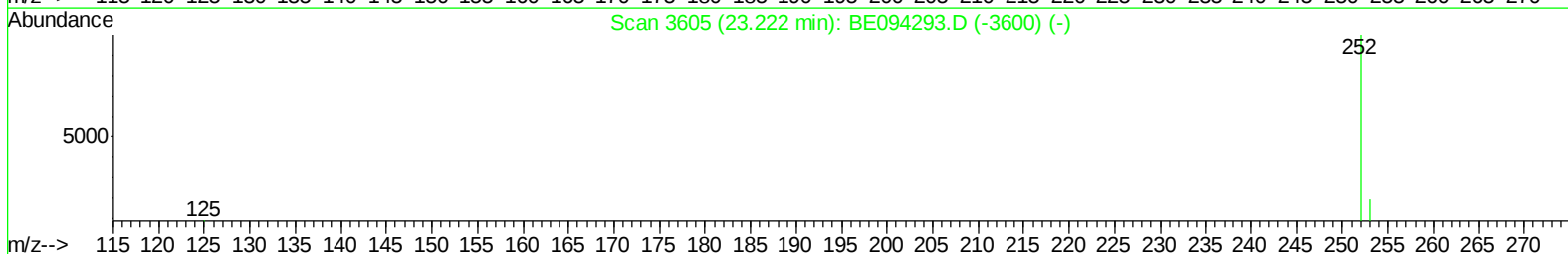
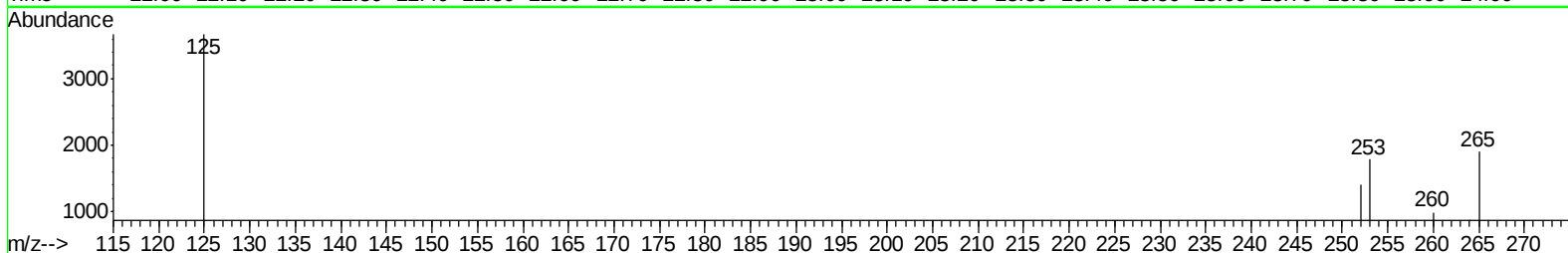
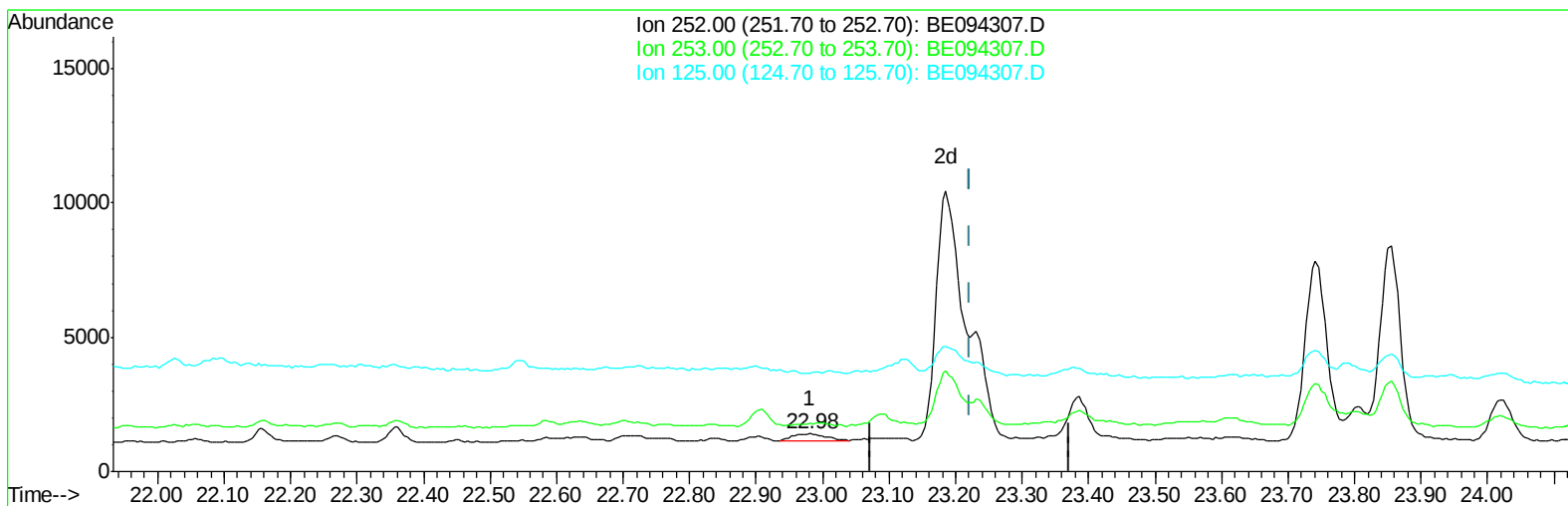
Data Path : Z:\HPCHEM1\BNA_E\Data\Be101117\
Data File : BE094307.D
Acq On : 12 Oct 2017 8:11
Operator : SJ/JU
Sample : I5649-09
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-57(2-4)-100317

Manual Integrations
APPROVED

Sohil
10/13/2017 12:06:17 PM

Quant Time: Oct 12 20:14:01 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: BE094307.D

(22) Benzo(k)fluoranthene

22.981min (-0.241) 0.03ng/ul

response 870

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	127.25#
125.00	17.10	261.70#
0.00	0.00	0.00

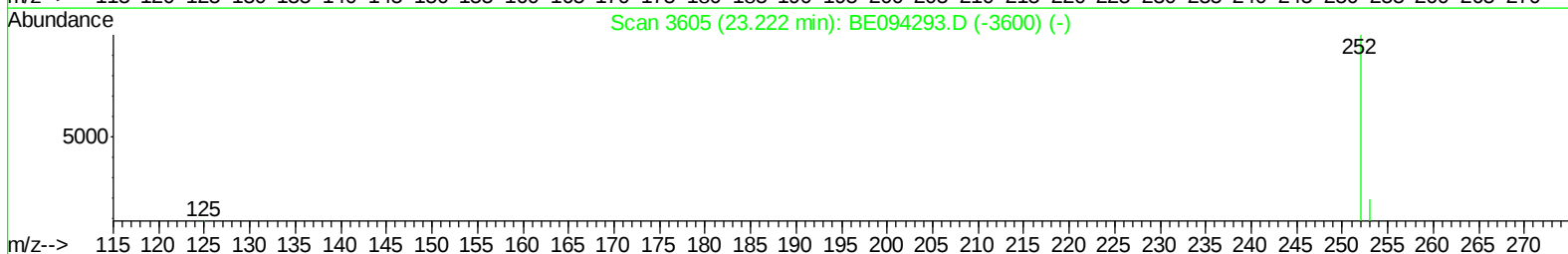
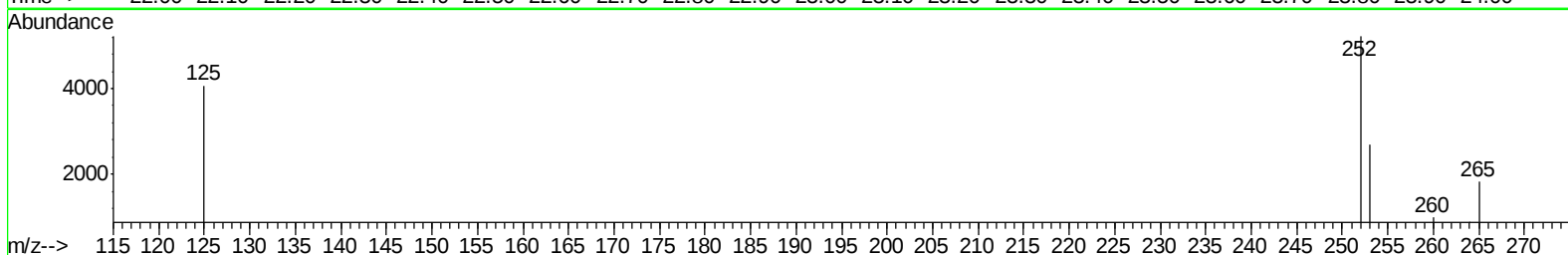
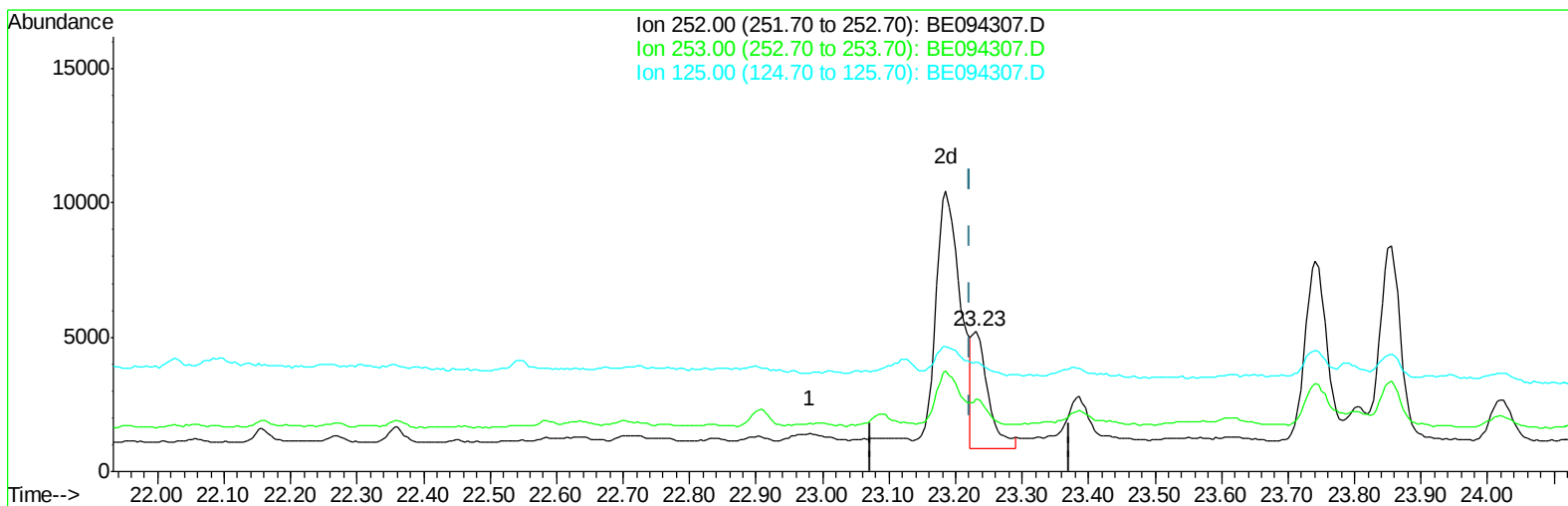
Data Path : Z:\HPCHEM1\BNA_E\Data\Be101117\
Data File : BE094307.D
Acq On : 12 Oct 2017 8:11
Operator : SJ/JU
Sample : I5649-09
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-57(2-4)-100317

Manual Integrations
APPROVED

Sohil
10/13/2017 12:06:17 PM

Quant Time: Oct 12 20:14:01 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: BE094307.D

(22) Benzo(k)fluoranthene

23.231min (+0.009) 0.27ng/ul m

response 7248

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	51.69#
125.00	17.10	77.87#
0.00	0.00	0.00

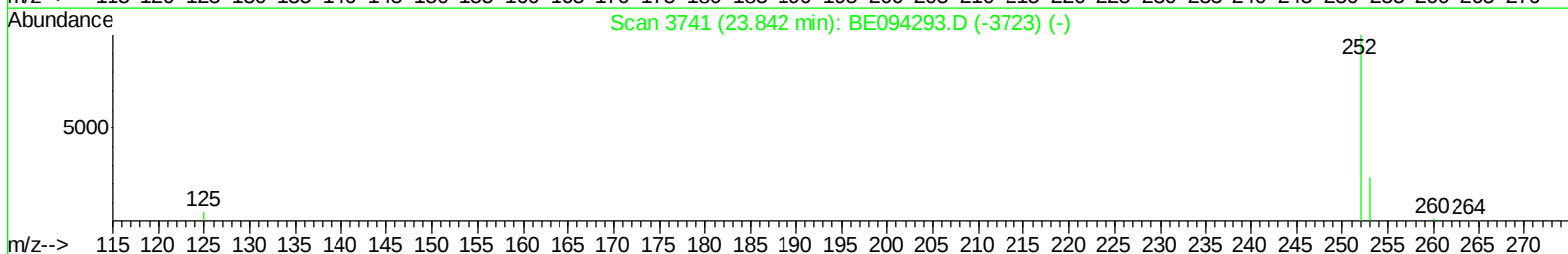
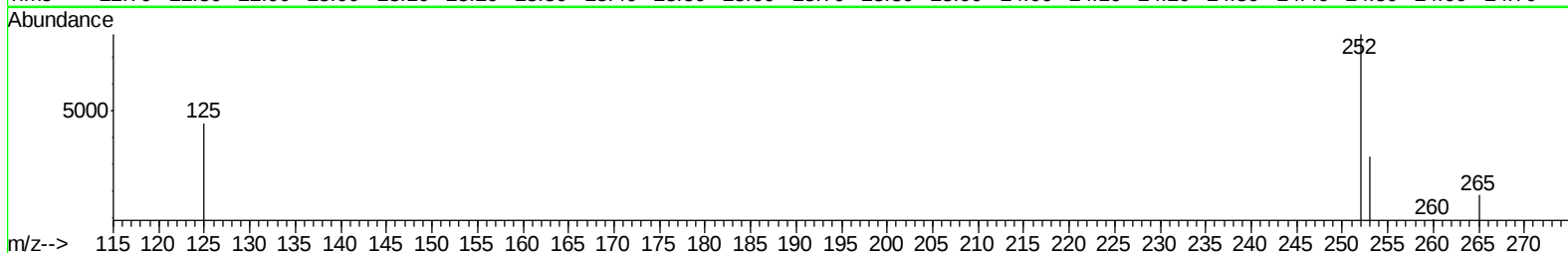
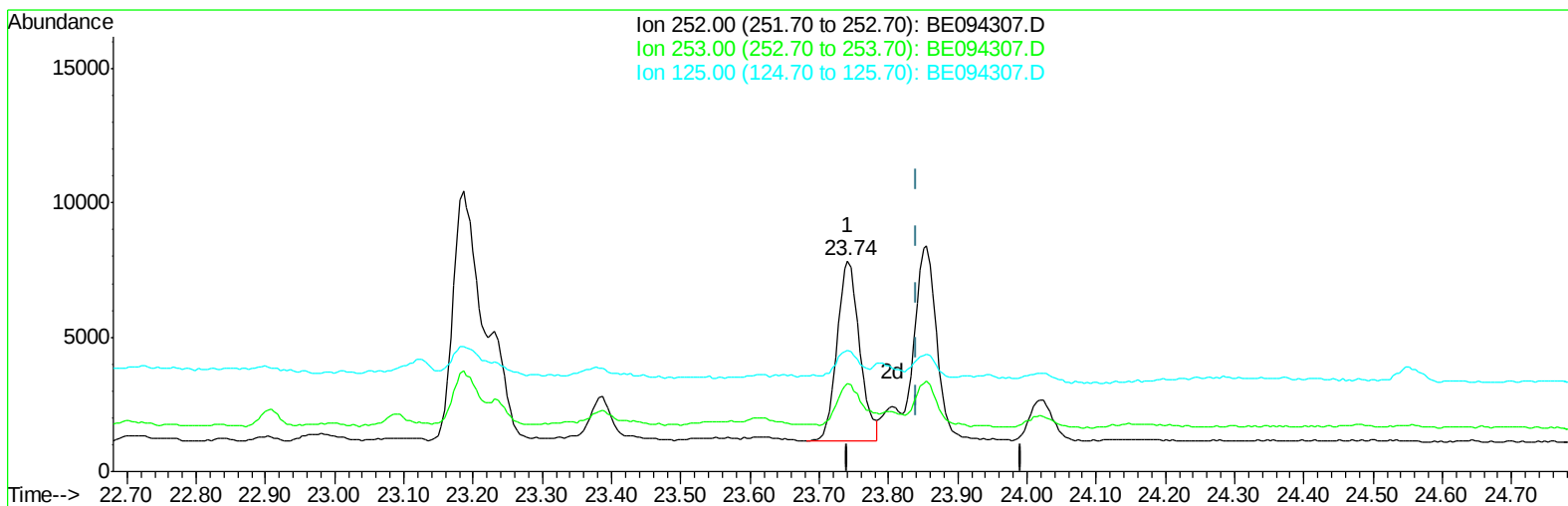
Data Path : Z:\HPCHEM1\BNA_E\Data\Be101117\
Data File : BE094307.D
Acq On : 12 Oct 2017 8:11
Operator : SJ/JU
Sample : I5649-09
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-57(2-4)-100317

Manual Integrations
APPROVED

Sohil
10/13/2017 12:06:17 PM

Quant Time: Oct 12 20:14:01 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: BE094307.D

(23) Benzo(a)pyrene (C)

23.741min (-0.100) 0.64ng/ul

response 15422

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	41.90
125.00	22.60	57.64#
0.00	0.00	0.00

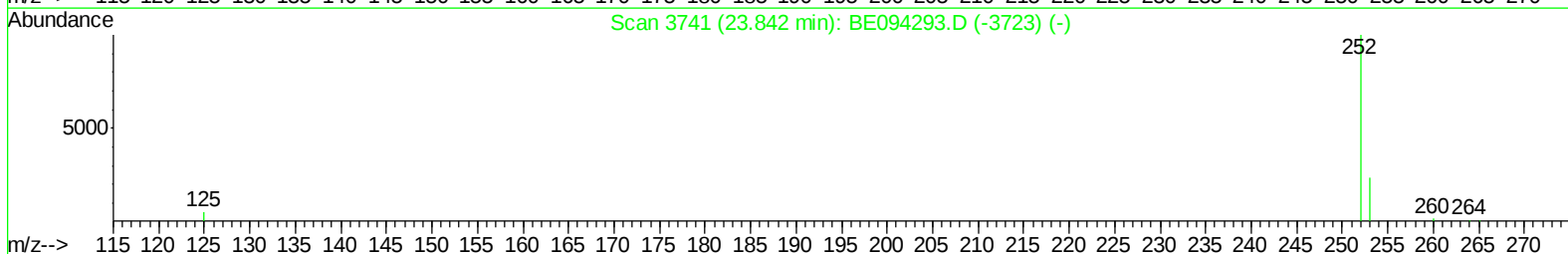
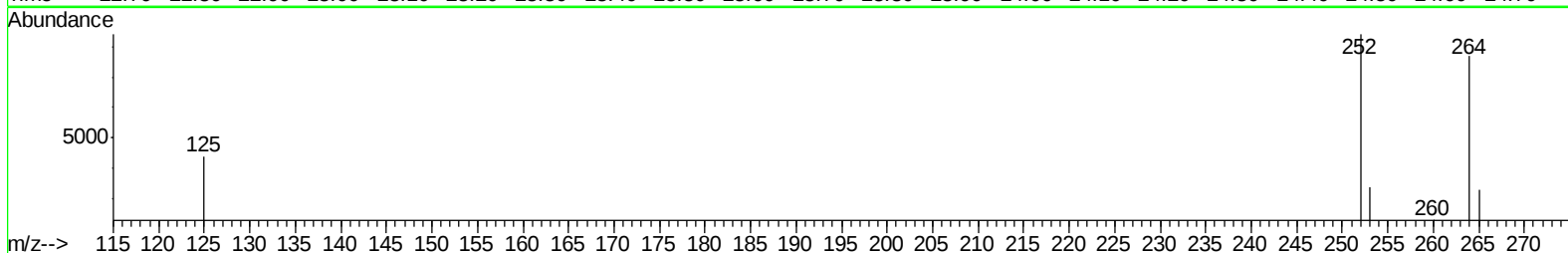
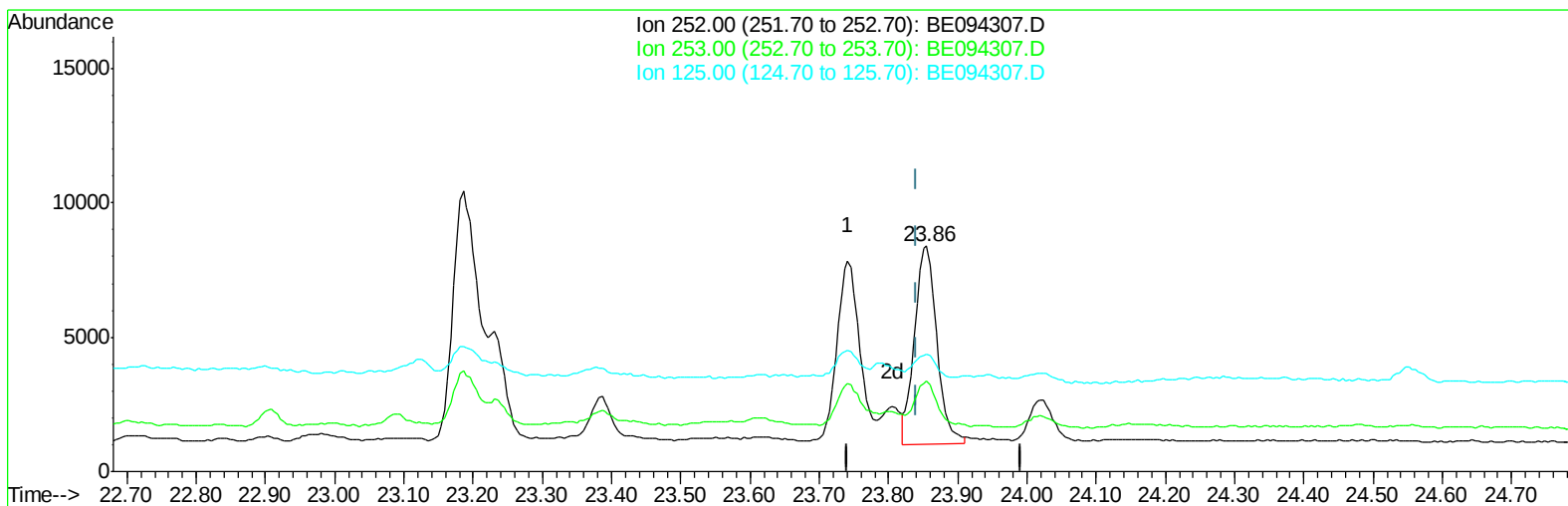
Data Path : Z:\HPCHEM1\BNA_E\Data\Be101117\
Data File : BE094307.D
Acq On : 12 Oct 2017 8:11
Operator : SJ/JU
Sample : I5649-09
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-57(2-4)-100317

Manual Integrations
APPROVED

Sohil
10/13/2017 12:06:17 PM

Quant Time: Oct 12 20:14:01 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: BE094307.D

(23) Benzo(a)pyrene (C)

23.855min (+0.014) 0.68ng/ul m

response 16462

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	40.23
125.00	22.60	52.01#
0.00	0.00	0.00

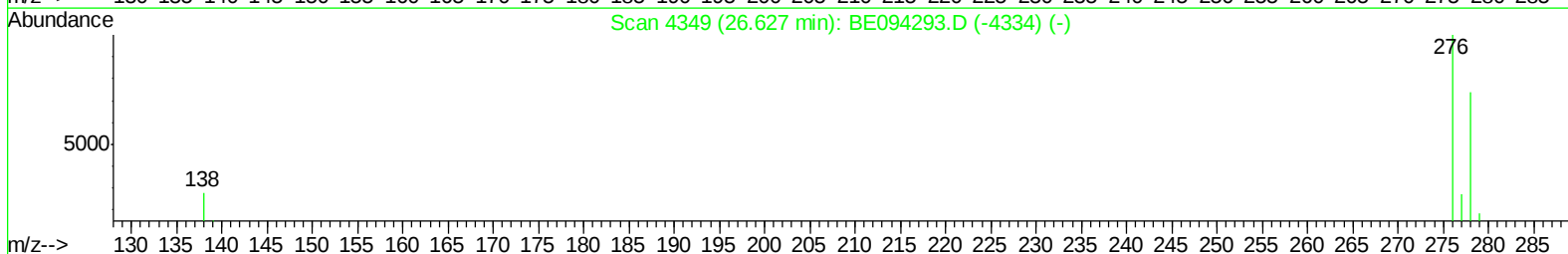
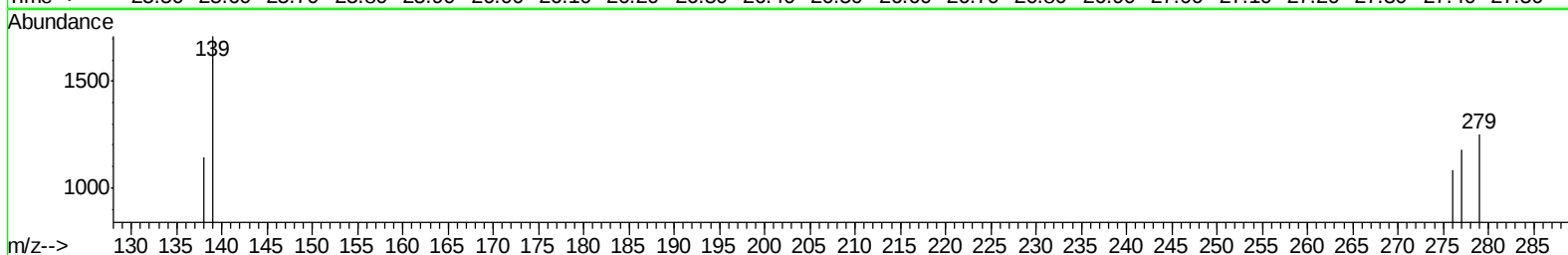
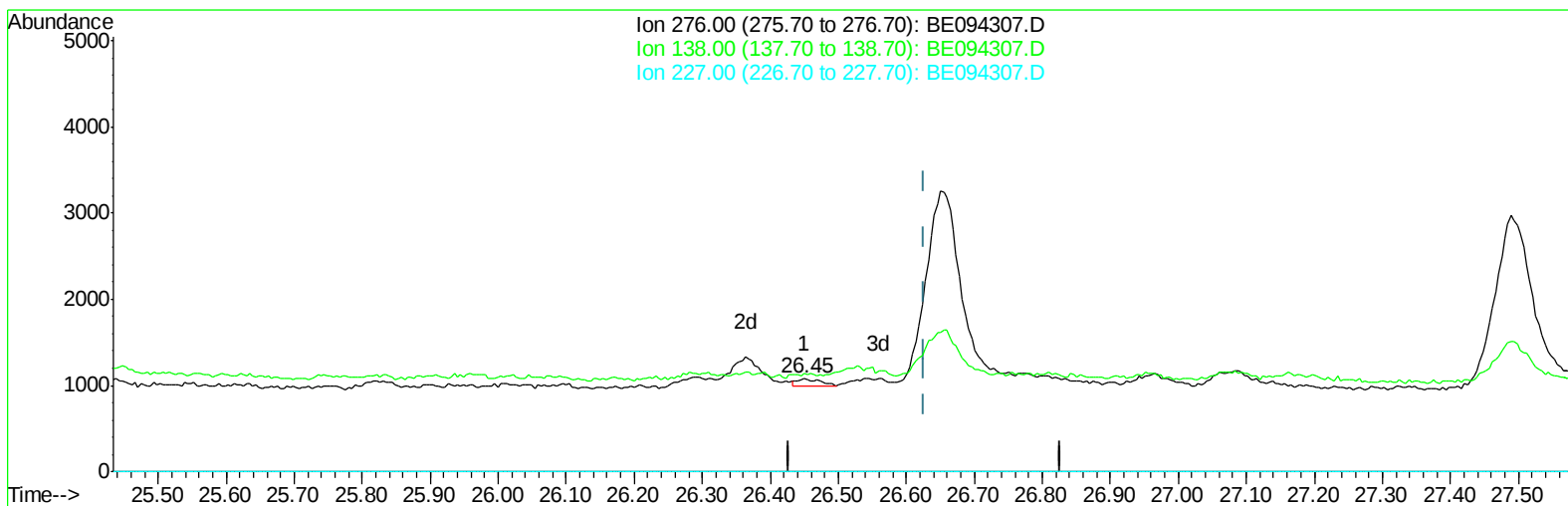
Data Path : Z:\HPCHEM1\BNA_E\Data\Be101117\
Data File : BE094307.D
Acq On : 12 Oct 2017 8:11
Operator : SJ/JU
Sample : I5649-09
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-57(2-4)-100317

Manual Integrations
APPROVED

Sohil
10/13/2017 12:06:17 PM

Quant Time: Oct 12 20:14:01 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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TIC: BE094307.D

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

26.450min (-0.177) 0.01ng/ul

response 207

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	31.88
227.00	10.00	0.00#
0.00	0.00	0.00

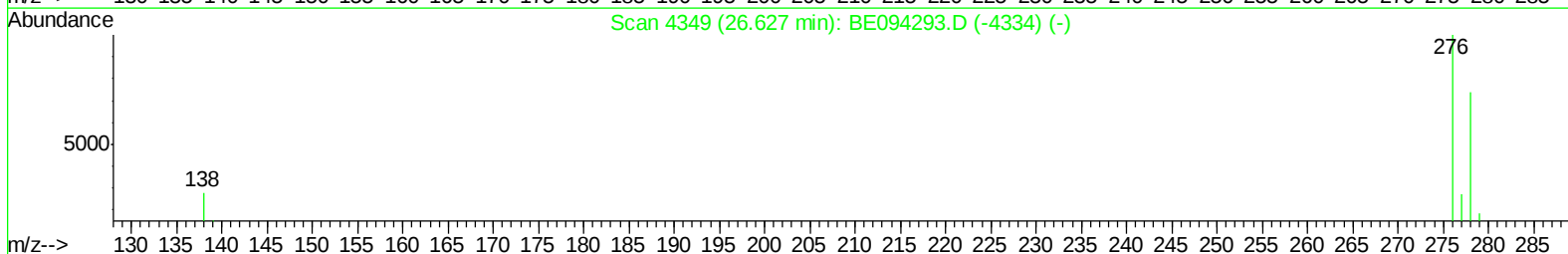
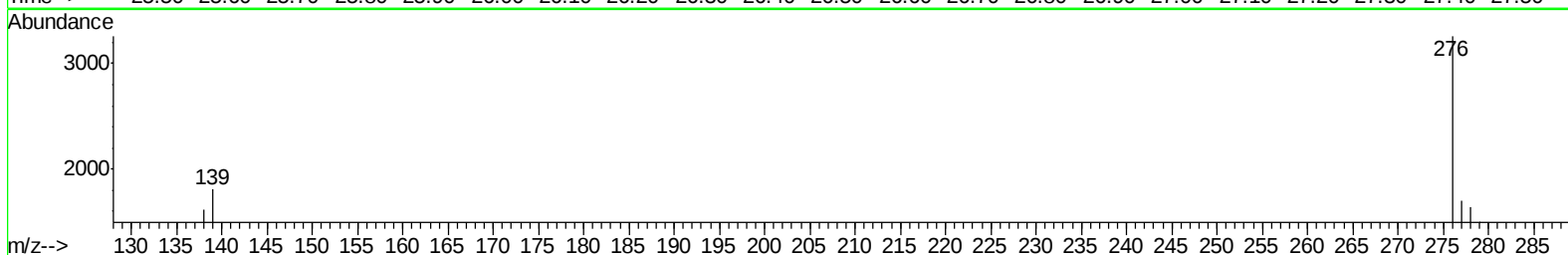
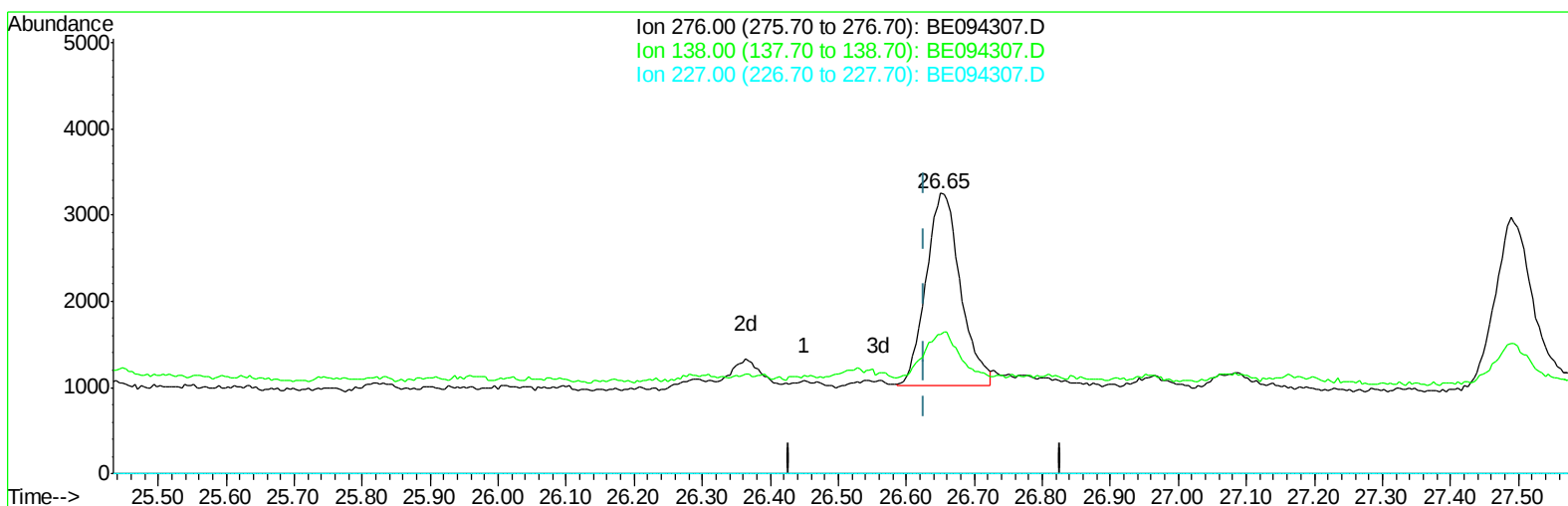
Data Path : Z:\HPCHEM1\BNA_E\Data\Be101117\
Data File : BE094307.D
Acq On : 12 Oct 2017 8:11
Operator : SJ/JU
Sample : I5649-09
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-57(2-4)-100317

Manual Integrations
APPROVED

Sohil
10/13/2017 12:06:17 PM

Quant Time: Oct 12 20:14:01 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: BE094307.D

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

26.651min (+0.023) 0.32ng/ul m

response 7950

Ion	Exp%	Act%
276.00	100	100
138.00	35.00	0.83#
227.00	10.00	0.00#
0.00	0.00	0.00

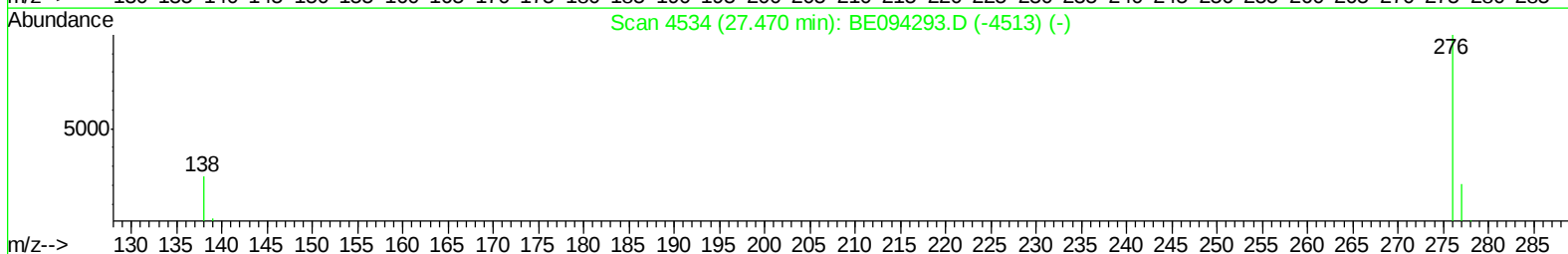
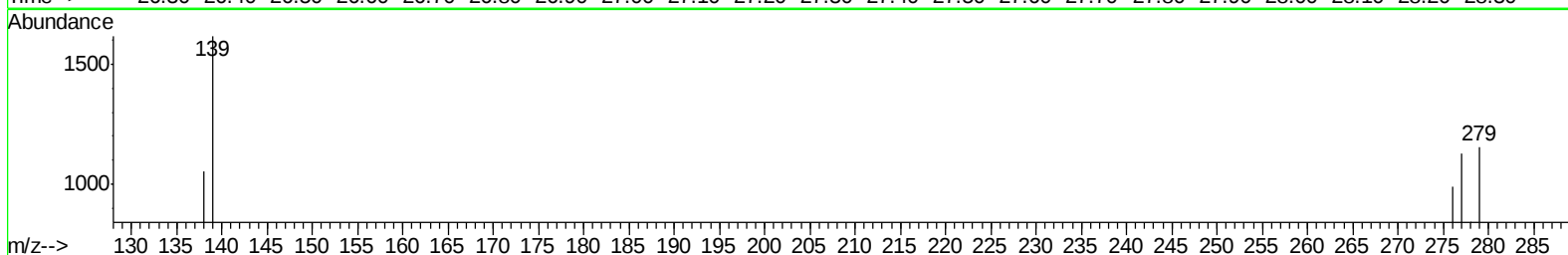
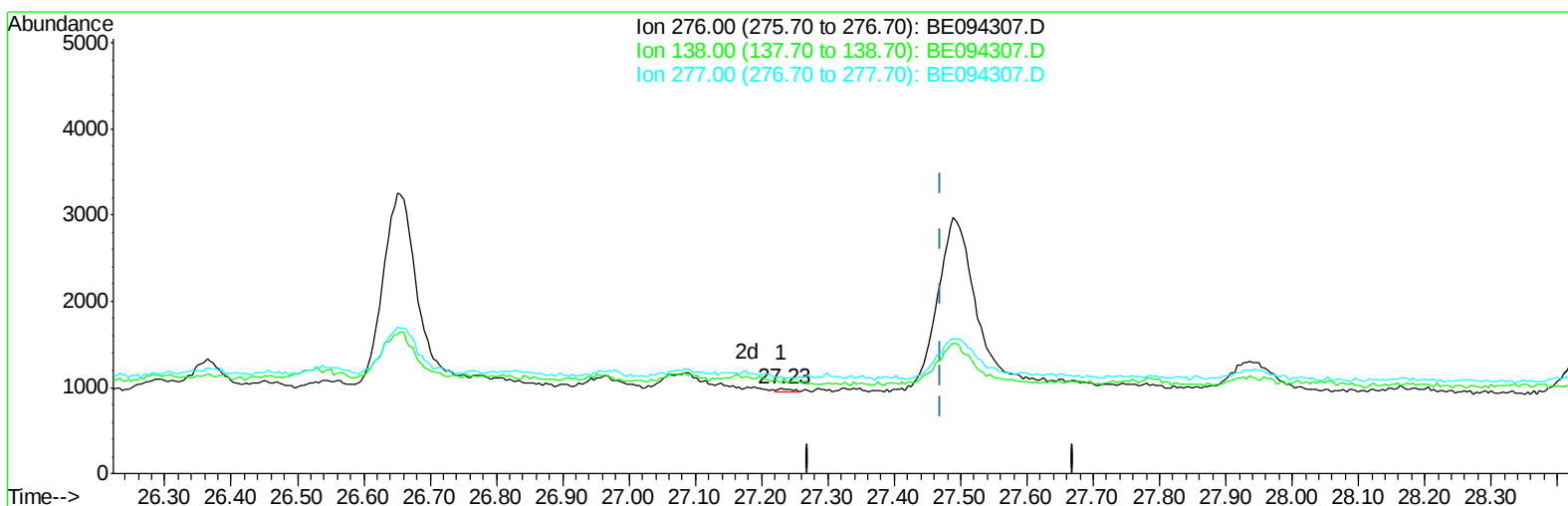
Data Path : Z:\HPCHEM1\BNA_E\Data\Be101117\
Data File : BE094307.D
Acq On : 12 Oct 2017 8:11
Operator : SJ/JU
Sample : I5649-09
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-57(2-4)-100317

Manual Integrations
APPROVED

Sohil
10/13/2017 12:06:17 PM

Quant Time: Oct 12 20:14:01 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: BE094307.D

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

27.229min (-0.241) 0.00ng/ul

response 70

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	106.69#
277.00	25.60	114.29#
0.00	0.00	0.00

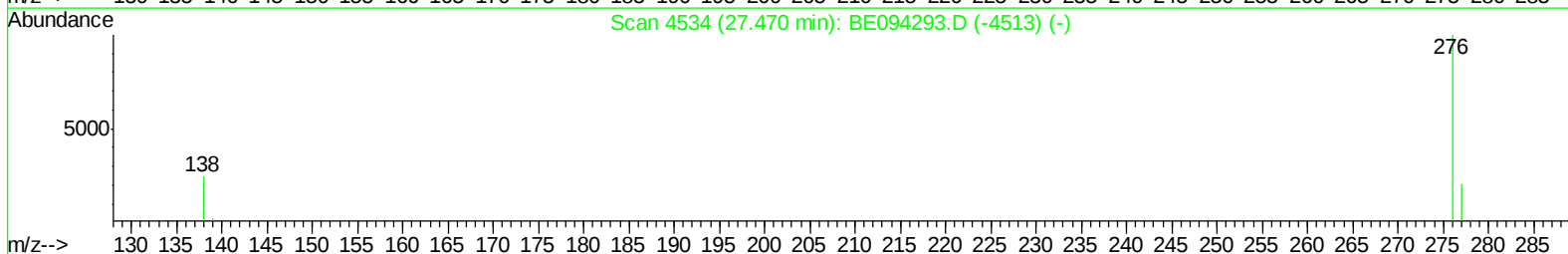
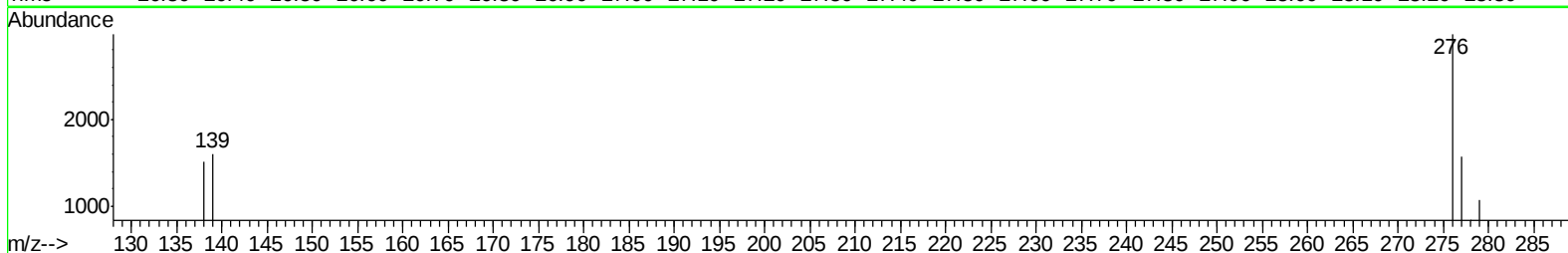
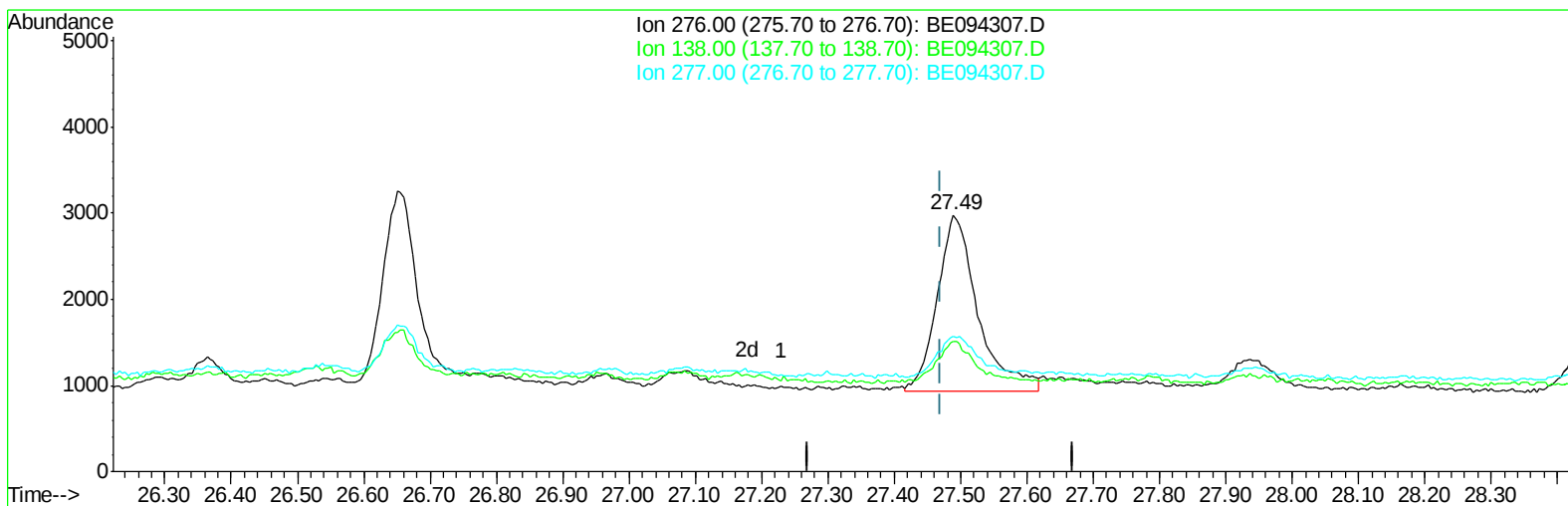
Data Path : Z:\HPCHEM1\BNA_E\Data\Be101117\
Data File : BE094307.D
Acq On : 12 Oct 2017 8:11
Operator : SJ/JU
Sample : I5649-09
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-57(2-4)-100317

Manual Integrations
APPROVED

Sohil
10/13/2017 12:06:17 PM

Quant Time: Oct 12 20:14:01 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: BE094307.D

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

27.489min (+0.019) 0.41ng/ul m

response 8730

Ion	Exp%	Act%
276.00	100	100
138.00	27.30	50.59#
277.00	25.60	52.87#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\Data\Be101117\
 Data File : BE094307.D
 Acq On : 12 Oct 2017 8:11
 Operator : SJ/JU
 Sample : I5649-09
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-57(2-4)-100317

Manual Integrations
 APPROVED

Sohil
 10/13/2017 12:06:17 PM

Quant Time: Oct 12 20:16:25 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	1690	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	8710	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	5028	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.27	188	10508m	0.40	ng/ul	0.02
16) Chrysene-d12	21.43	240	9822	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	8555m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	4307	0.32	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	9719	0.28	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.75	128	9104	0.427	ng/ul#	93
5) 2-Methylnaphthalene	12.36	142	2080	0.150	ng/ul	98
7) Acenaphthylene	14.26	152	890	0.045	ng/ul#	73
8) Acenaphthene	14.60	153	613	0.038	ng/ul#	91
9) Fluorene	15.58	166	1906	0.101	ng/ul#	88
12) Phenanthrene	17.31	178	22061	0.803	ng/ul#	93
13) Anthracene	17.39	178	2699	0.101	ng/ul#	91
15) Fluoranthene	19.32	202	25389	0.704	ng/ul	84
17) Pyrene	19.68	202	27519	1.007	ng/ul#	84
18) Benzo(a)anthracene	21.42	228	15426	0.592	ng/ul#	68
19) Chrysene	21.47	228	25728	0.855	ng/ul#	78
21) Benzo(b)fluoranthene	23.19	252	24258m	1.044	ng/ul	
22) Benzo(k)fluoranthene	23.23	252	7248m	0.270	ng/ul	
23) Benzo(a)pyrene	23.86	252	16462m	0.682	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.65	276	7950m	0.322	ng/ul	
26) Benzo(g,h,i)perylene	27.49	276	8730m	0.410	ng/ul	

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

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