

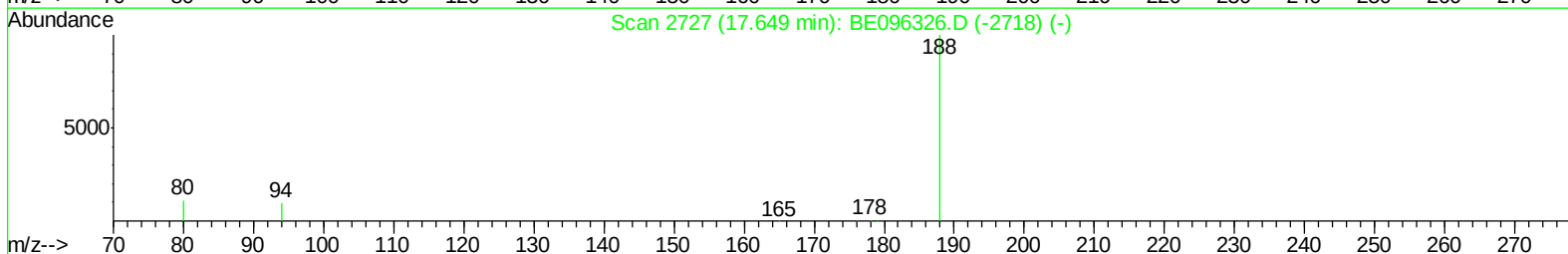
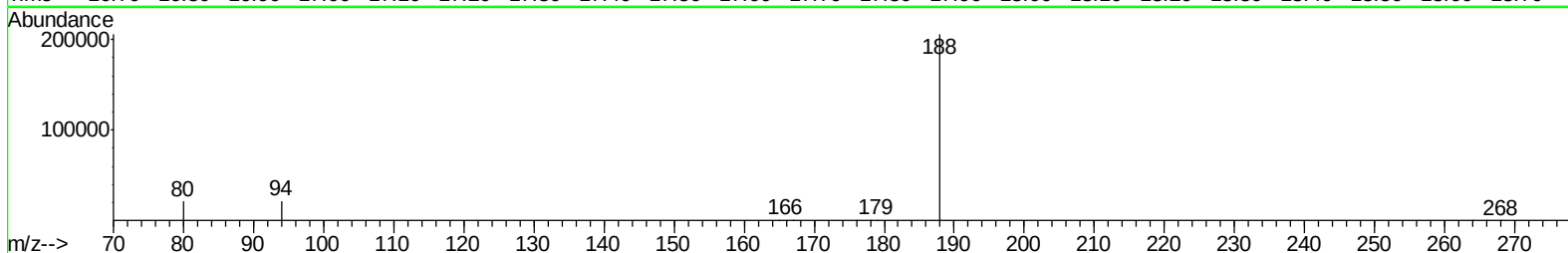
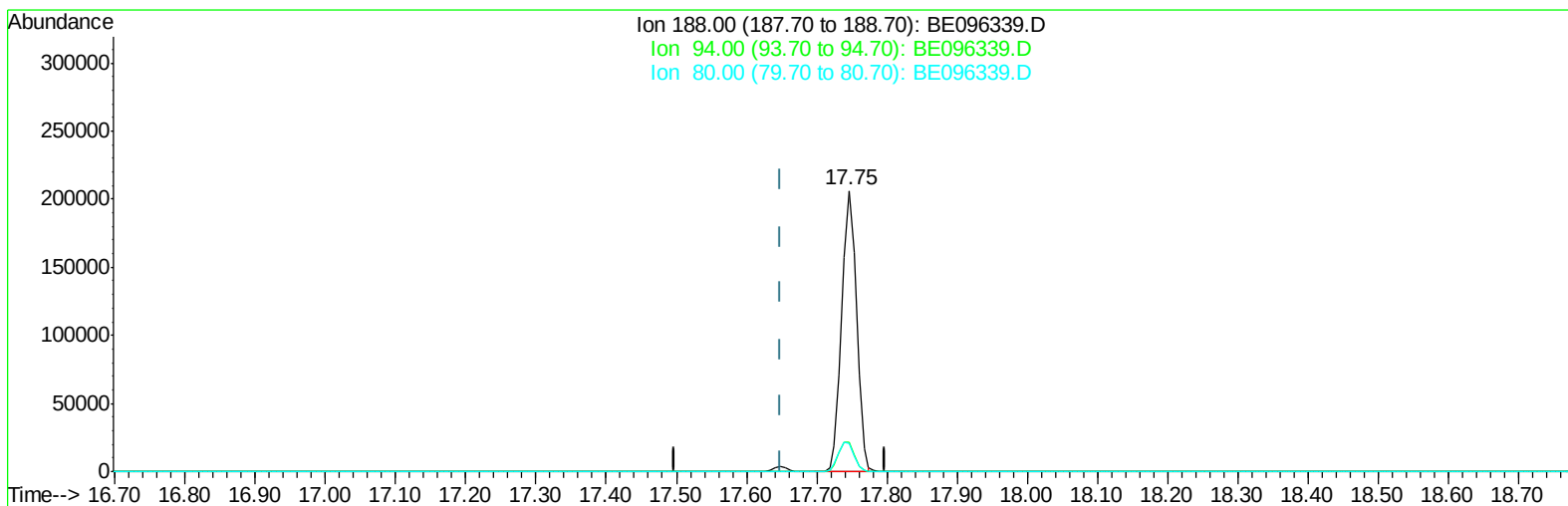
Data Path : Z:\HPCHEM1\BNA E\DATA\BE050318\
Data File : BE096339.D
Acq On : 4 May 2018 00:58
Operator : SJ/JU
Sample : J2440-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
A3Y37

Manual Integrations
APPROVED

Sohil
5/4/2018 1:35:16 PM

Quant Time: May 04 01:57:08 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE050318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 04 01:53:25 2018
Response via : Initial Calibration



TIC: BE096339.D

(10) Phenanthrene-d10 (I)

17.746min (+0.097) 0.40ng/ul

response 298738

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	10.53
80.00	11.80	10.05
0.00	0.00	0.00

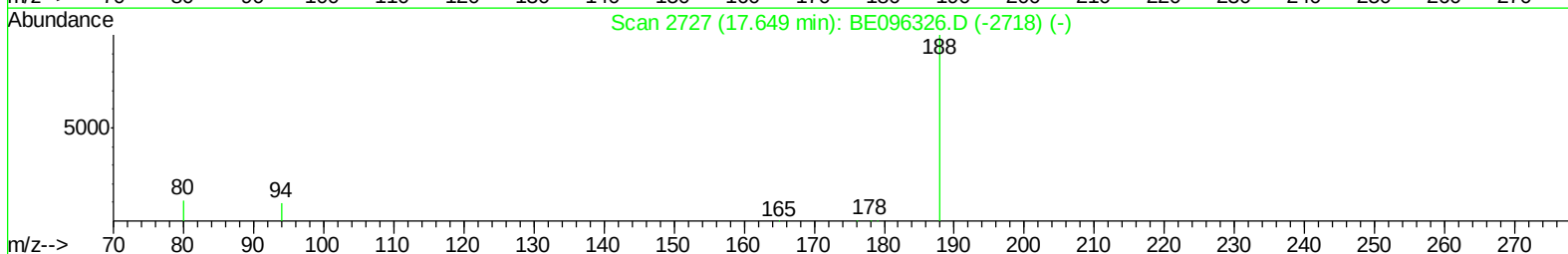
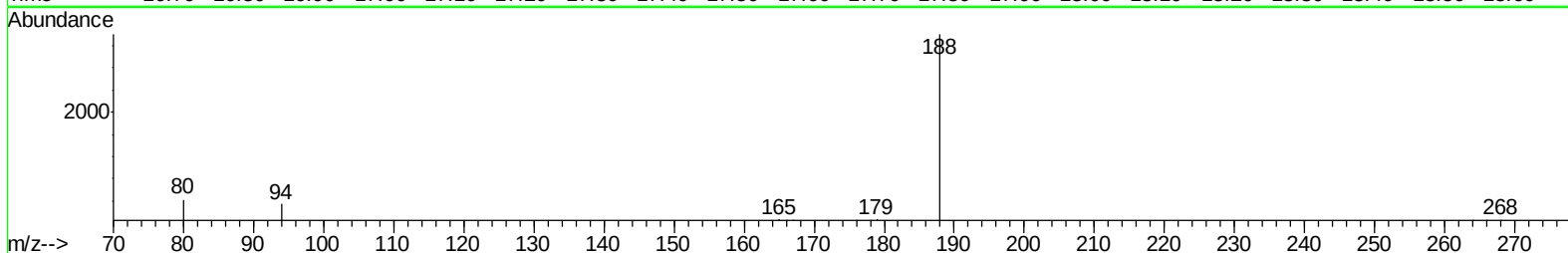
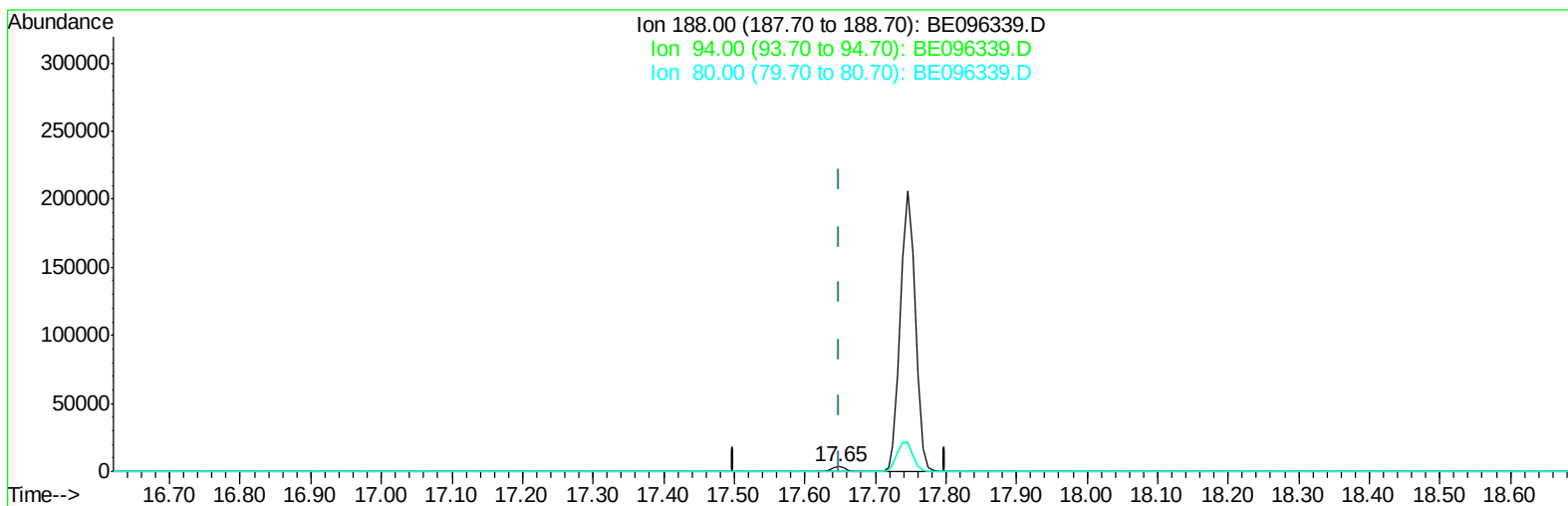
Data Path : Z:\HPCHEM1\BNA E\DATA\BE050318\
Data File : BE096339.D
Acq On : 4 May 2018 00:58
Operator : SJ/JU
Sample : J2440-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
A3Y37

Manual Integrations
APPROVED

Sohil
5/4/2018 1:35:16 PM

Quant Time: May 04 01:57:08 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE050318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 04 01:53:25 2018
Response via : Initial Calibration



TIC: BE096339.D

(10) Phenanthrene-d10 (I)

17.648min (-0.001) 0.40ng/ul m

response 4879

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	10.01
80.00	11.80	12.18
0.00	0.00	0.00

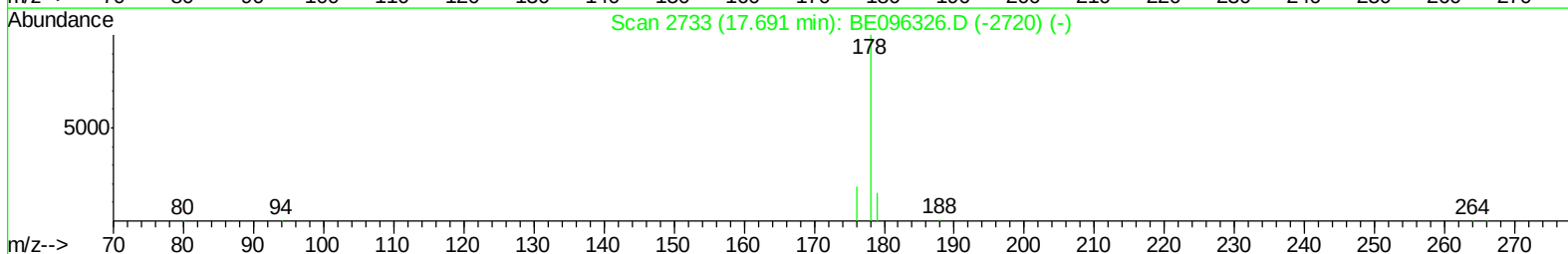
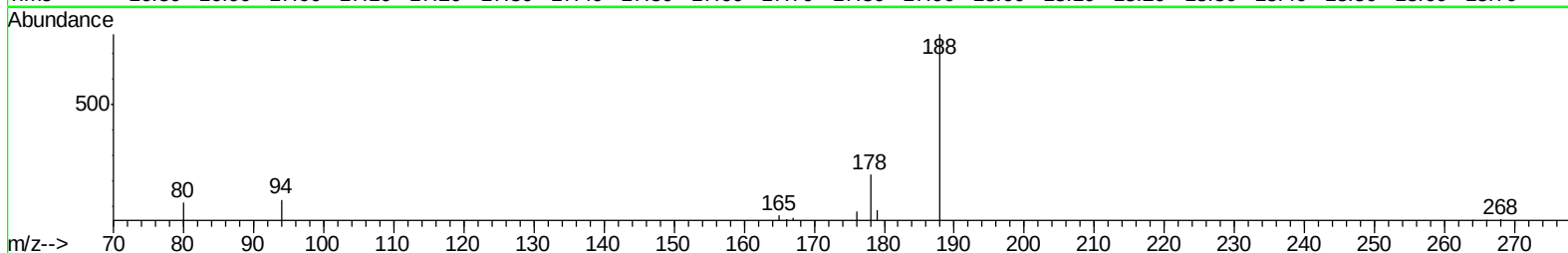
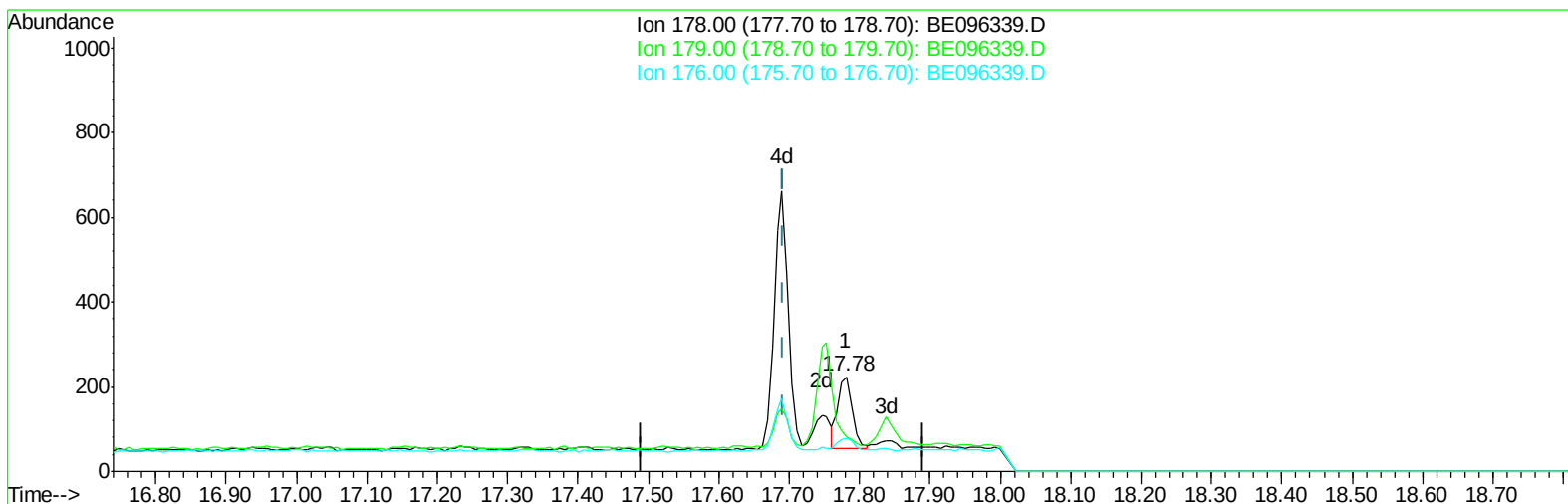
Data Path : Z:\HPCHEM1\BNA E\DATA\BE050318\
Data File : BE096339.D
Acq On : 4 May 2018 00:58
Operator : SJ/JU
Sample : J2440-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
A3Y37

Manual Integrations
APPROVED

Sohil
5/4/2018 1:35:16 PM

Quant Time: May 04 04:19:00 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE050318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 04 01:53:25 2018
Response via : Initial Calibration



TIC: BE096339.D

(12) Phenanthrene

17.781min (+0.090) 0.02ng/ul

response 235

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	36.61#
176.00	17.00	35.27#
0.00	0.00	0.00

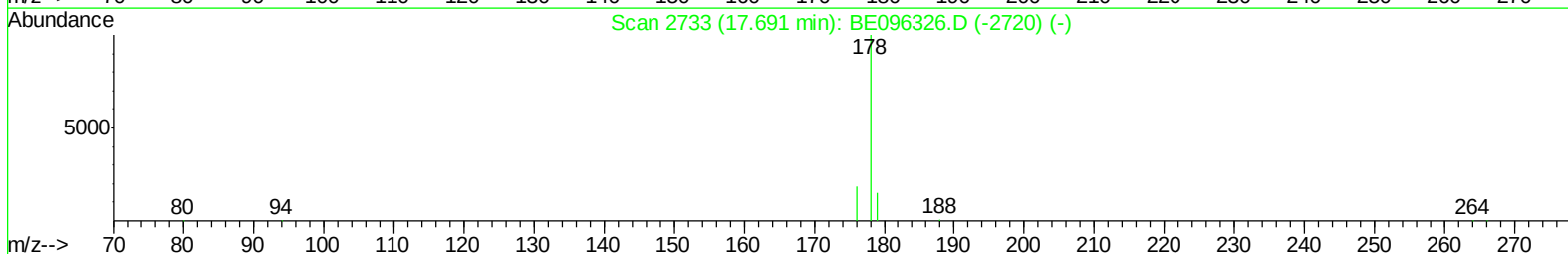
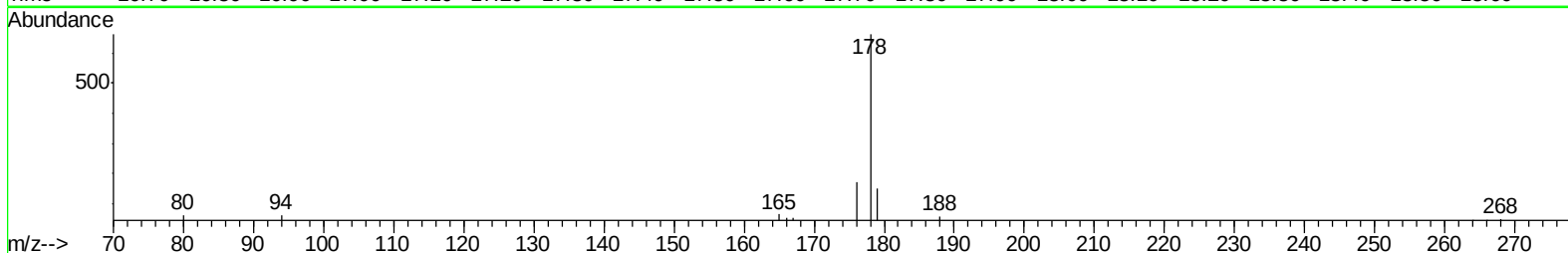
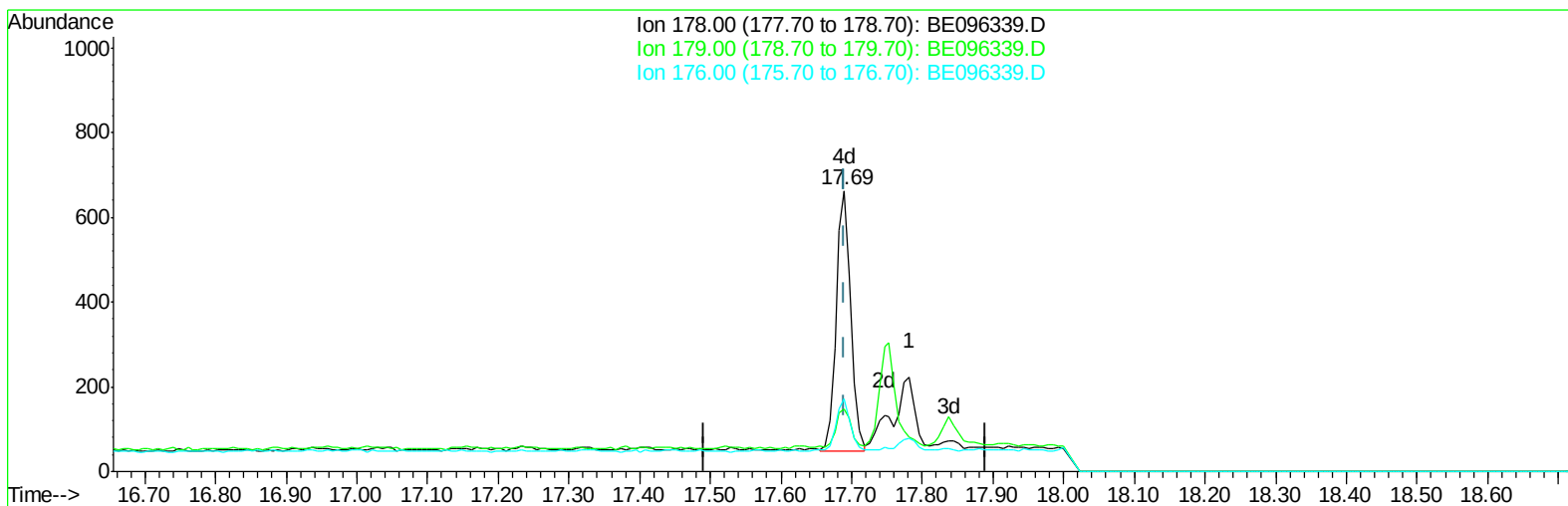
Data Path : Z:\HPCHEM1\BNA E\DATA\BE050318\
Data File : BE096339.D
Acq On : 4 May 2018 00:58
Operator : SJ/JU
Sample : J2440-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
A3Y37

Manual Integrations
APPROVED

Sohil
5/4/2018 1:35:16 PM

Quant Time: May 04 04:19:00 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE050318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 04 01:53:25 2018
Response via : Initial Calibration



TIC: BE096339.D

(12) Phenanthrene

17.690min (-0.001) 0.06ng/ul m

response 891

Ion	Exp%	Act%
178.00	100	100
179.00	23.00	22.36
176.00	17.00	25.98#
0.00	0.00	0.00

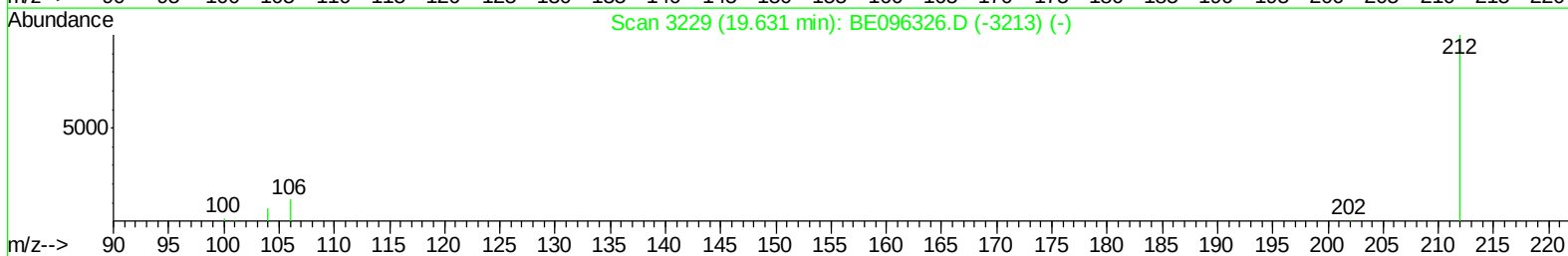
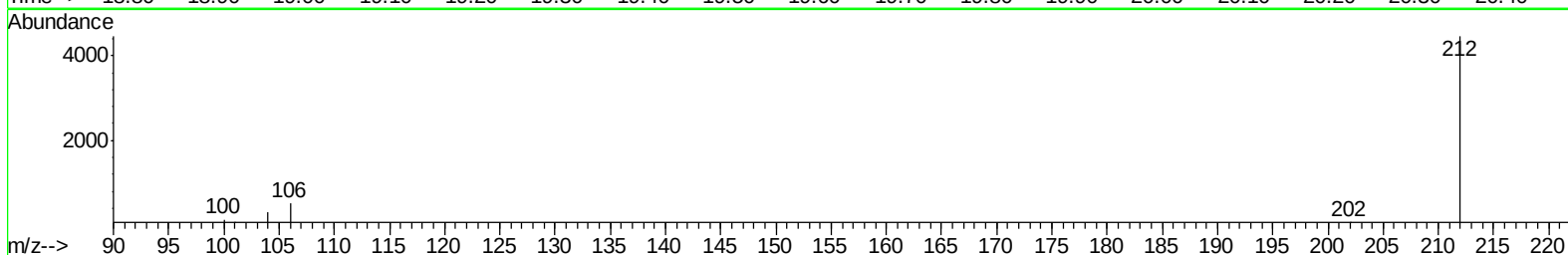
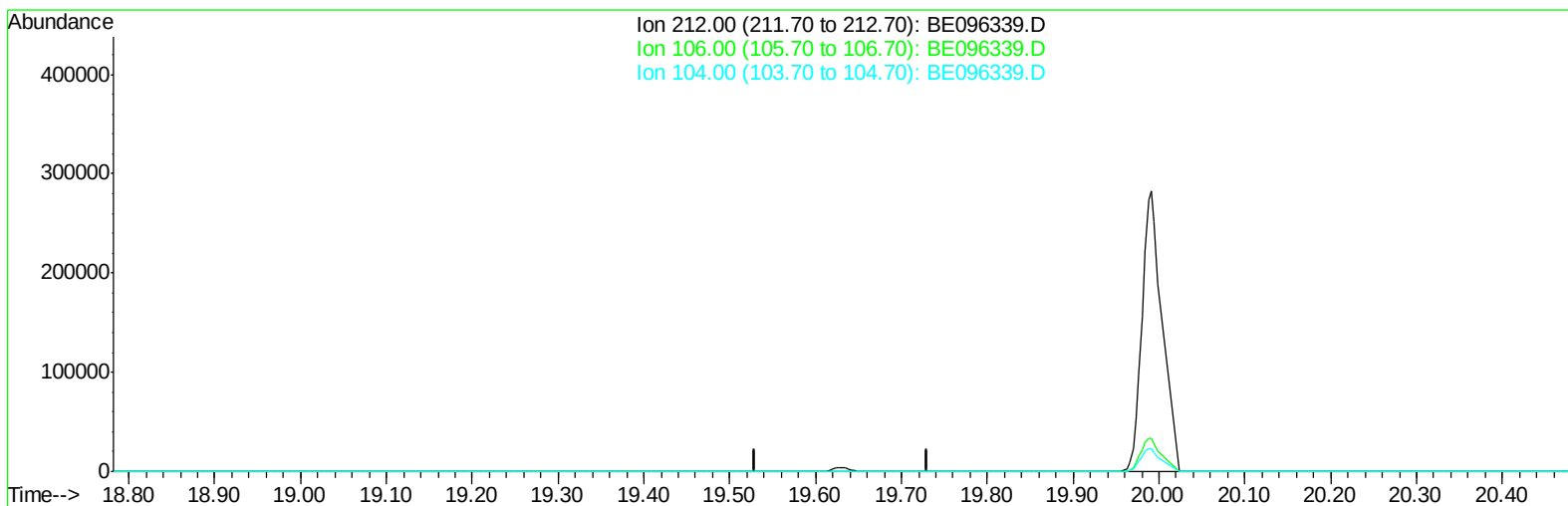
Data Path : Z:\HPCHEM1\BNA E\DATA\BE050318\
Data File : BE096339.D
Acq On : 4 May 2018 00:58
Operator : SJ/JU
Sample : J2440-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
A3Y37

Manual Integrations
APPROVED

Sohil
5/4/2018 1:35:16 PM

Quant Time: May 04 04:19:00 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE050318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 04 01:53:25 2018
Response via : Initial Calibration



TIC: BE096339.D

(14) Fluoranthene-d10 (SURR)

19.631min (-19.631) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	18.30	0.00#
104.00	15.60	0.00#
0.00	0.00	0.00

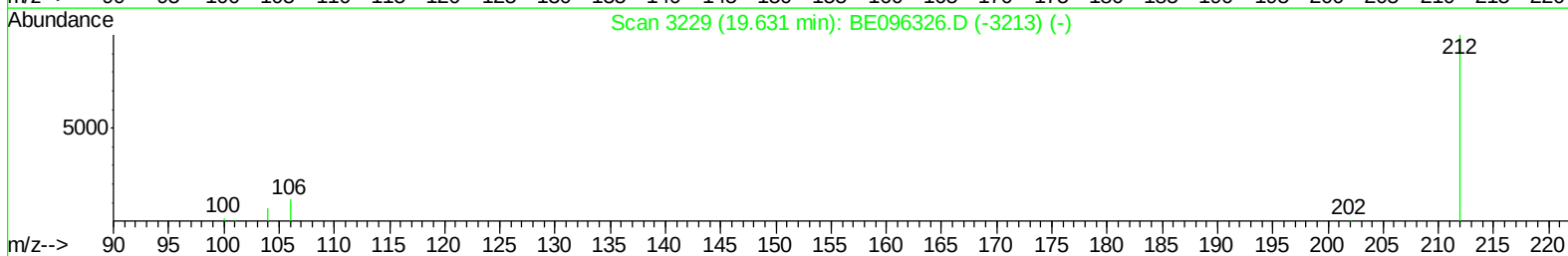
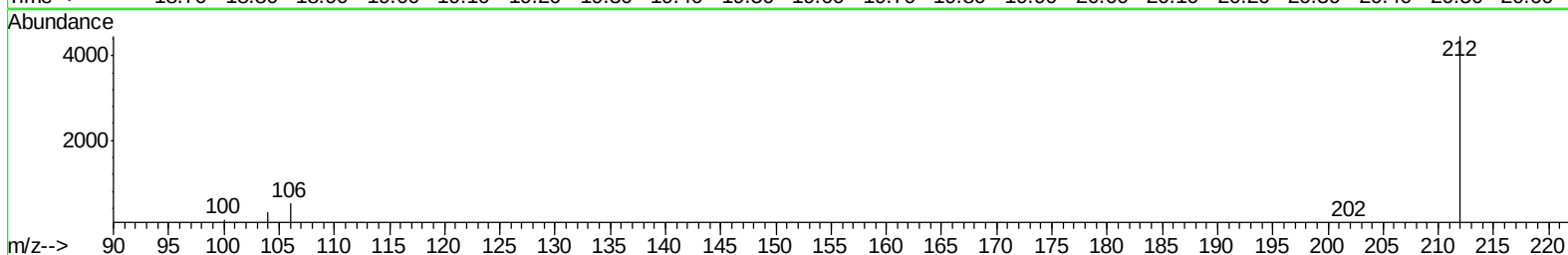
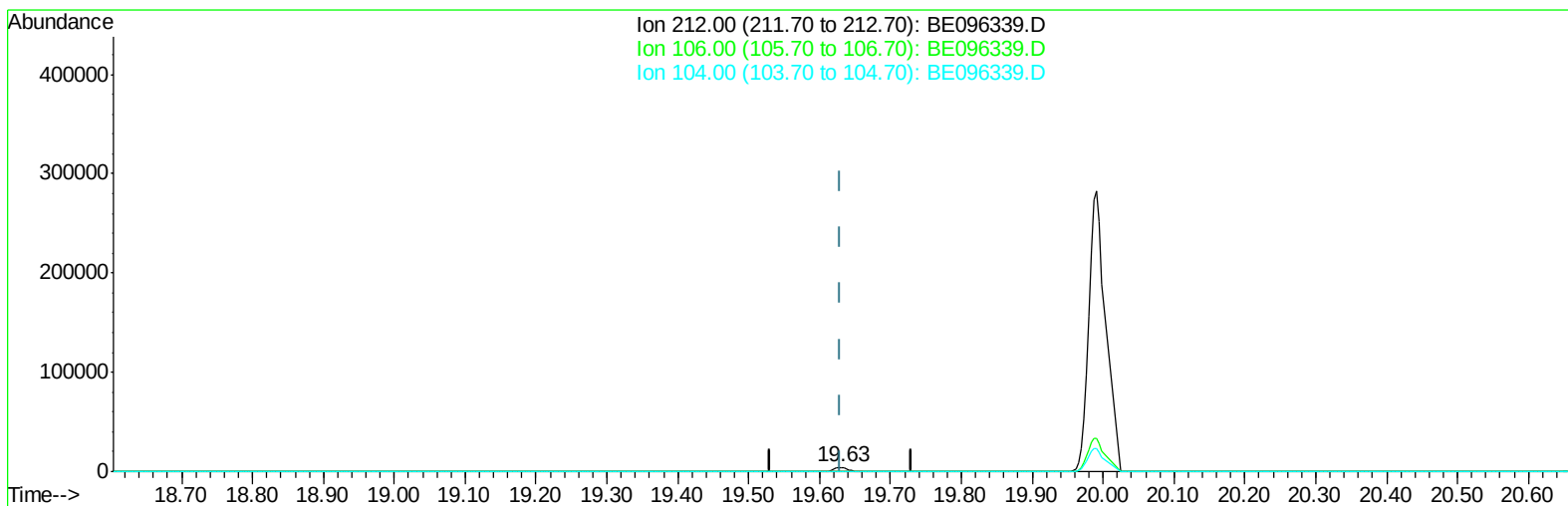
Data Path : Z:\HPCHEM1\BNA E\DATA\BE050318\
Data File : BE096339.D
Acq On : 4 May 2018 00:58
Operator : SJ/JU
Sample : J2440-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
A3Y37

Manual Integrations
APPROVED

Sohil
5/4/2018 1:35:16 PM

Quant Time: May 04 04:19:00 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE050318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 04 01:53:25 2018
Response via : Initial Calibration



TIC: BE096339.D

(14) Fluoranthene-d10 (SURR)

19.631min (+0.000) 0.28ng/ul m

response 5689

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	0.00#
104.00	15.60	0.00#
0.00	0.00	0.00

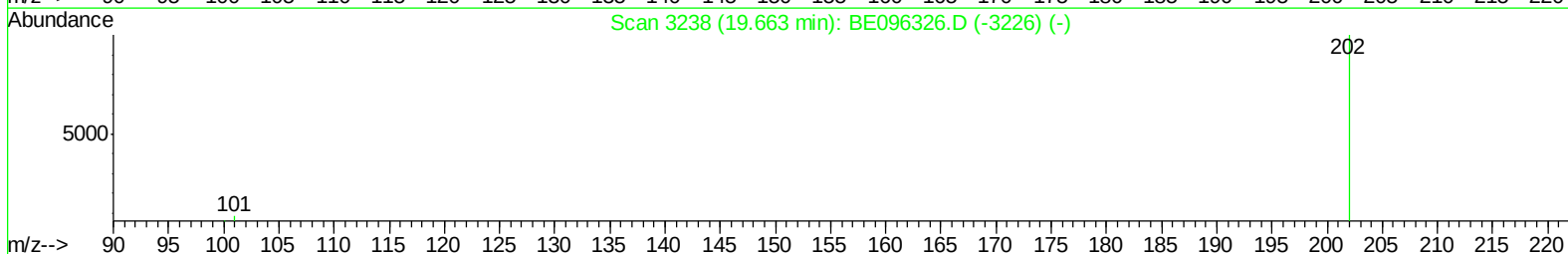
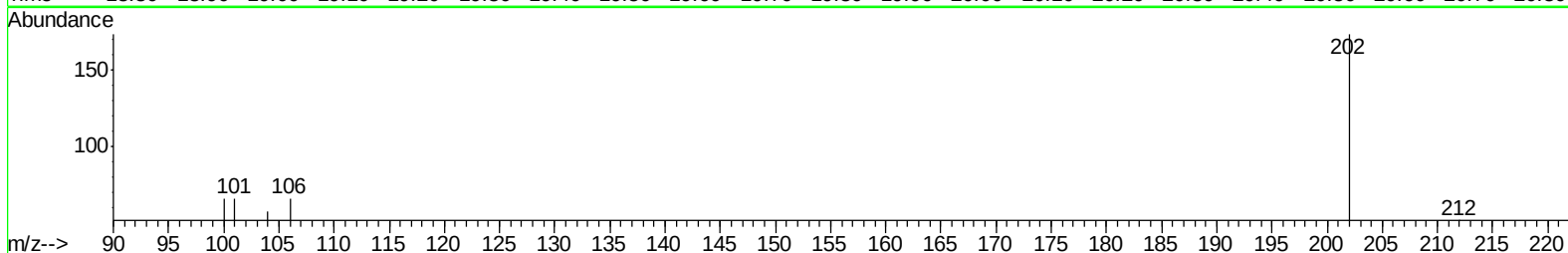
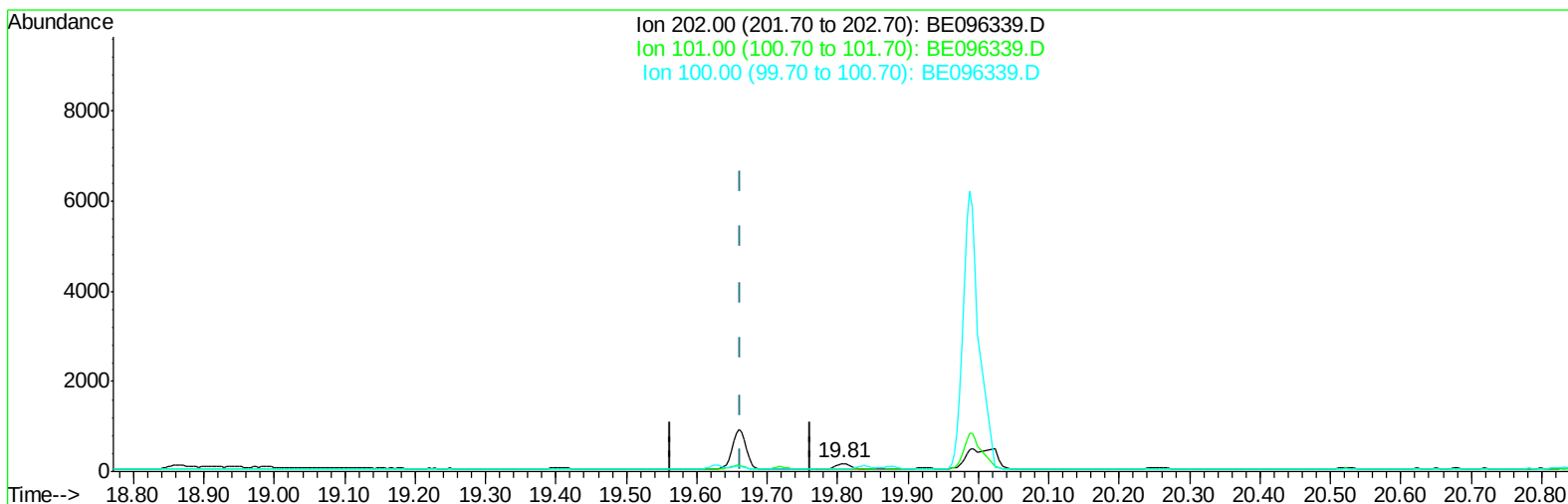
Data Path : Z:\HPCHEM1\BNA E\DATA\BE050318\
Data File : BE096339.D
Acq On : 4 May 2018 00:58
Operator : SJ/JU
Sample : J2440-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
A3Y37

Manual Integrations
APPROVED

Sohil
5/4/2018 1:35:16 PM

Quant Time: May 04 04:19:00 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE050318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 04 01:53:25 2018
Response via : Initial Calibration



TIC: BE096339.D

(15) Fluoranthene (C)

19.806min (+0.143) 0.01ng/ul

response 165

Ion	Exp%	Act%
202.00	100	100
101.00	10.30	38.15#
100.00	19.50	38.15
0.00	0.00	0.00

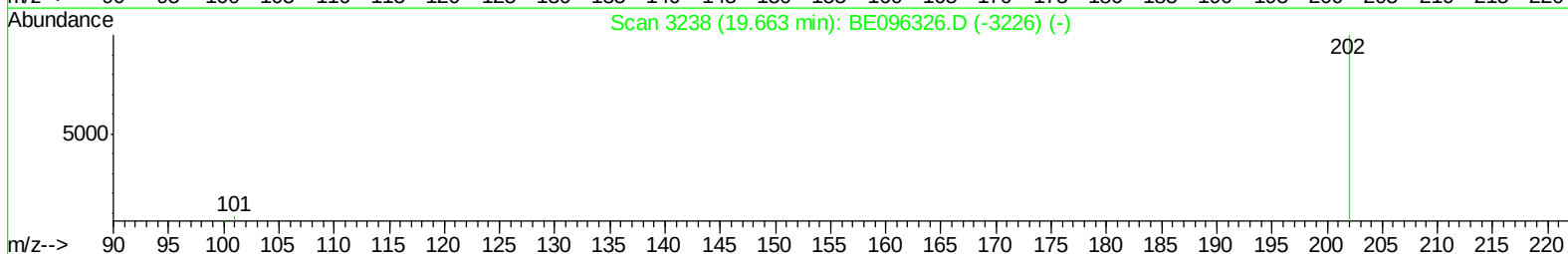
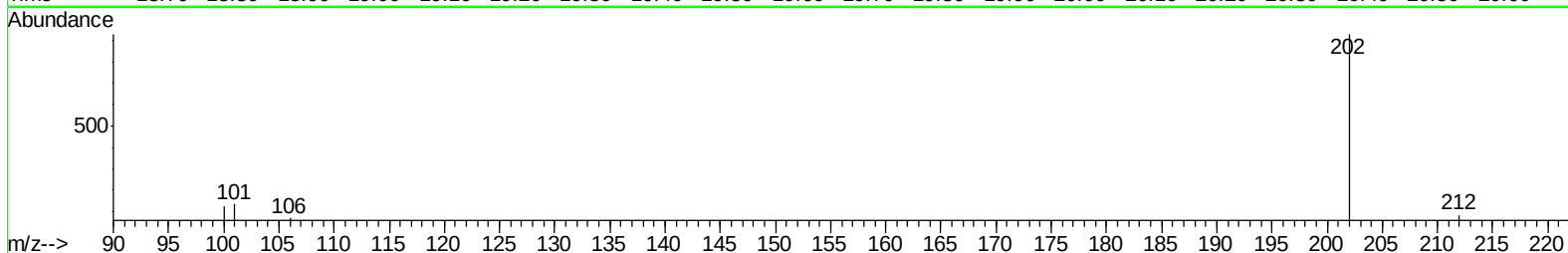
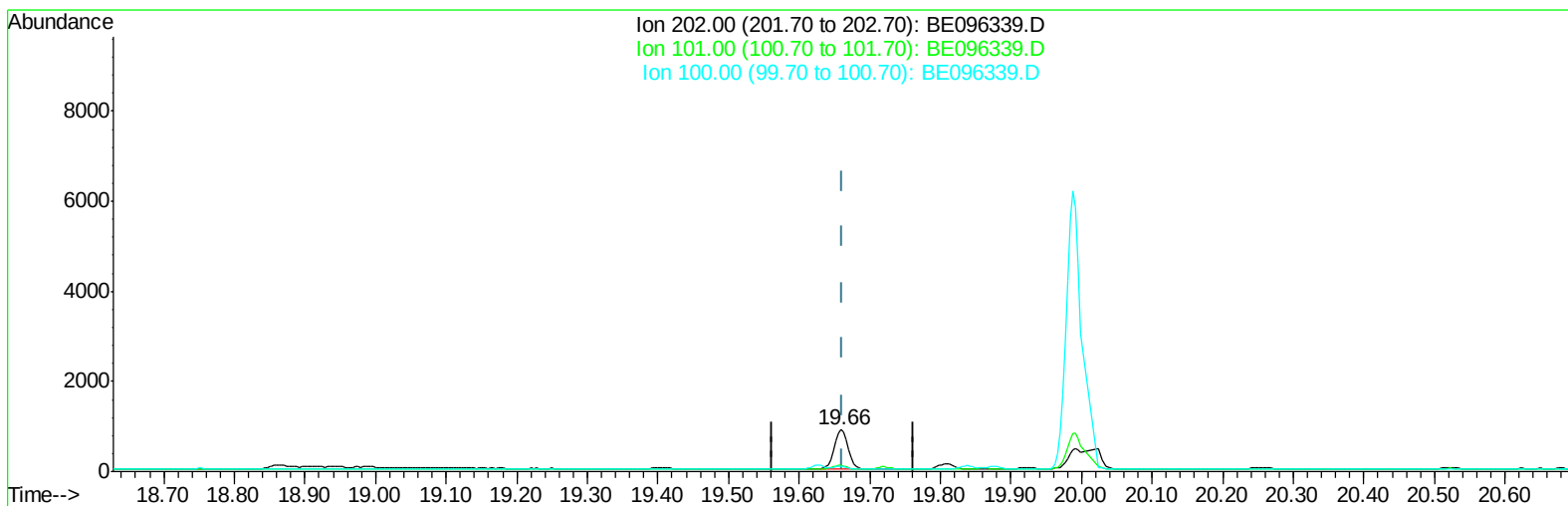
Data Path : Z:\HPCHEM1\BNA E\DATA\BE050318\
Data File : BE096339.D
Acq On : 4 May 2018 00:58
Operator : SJ/JU
Sample : J2440-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
A3Y37

Manual Integrations
APPROVED

Sohil
5/4/2018 1:35:16 PM

Quant Time: May 04 04:19:00 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE050318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 04 01:53:25 2018
Response via : Initial Calibration



TIC: BE096339.D

(15) Fluoranthene (C)

19.659min (-0.003) 0.06ng/ul m

response 1162

Ion	Exp%	Act%
202.00	100	100
101.00	10.30	14.64
100.00	19.50	13.56
0.00	0.00	0.00

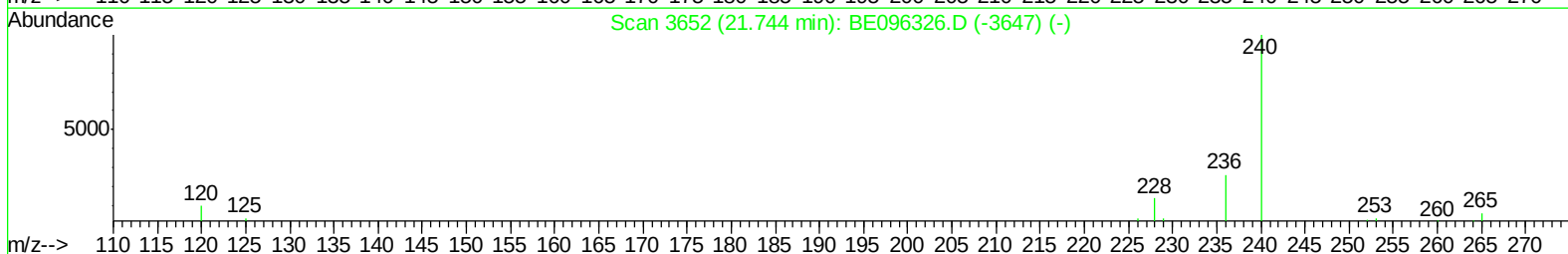
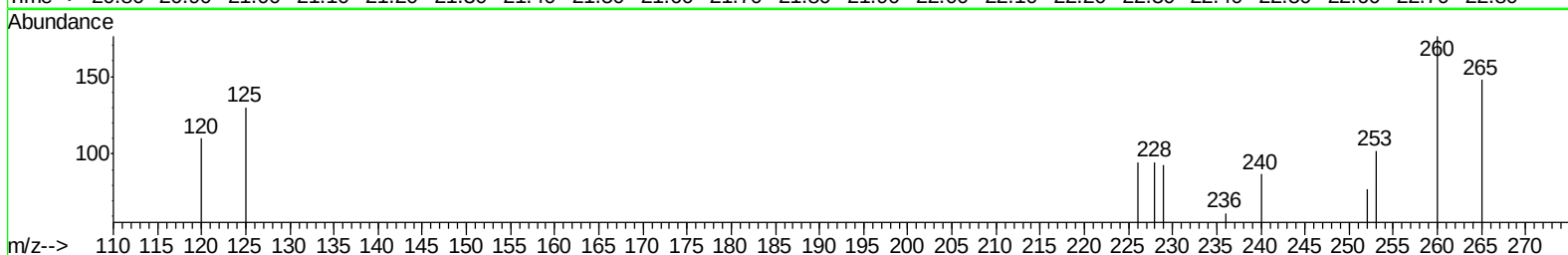
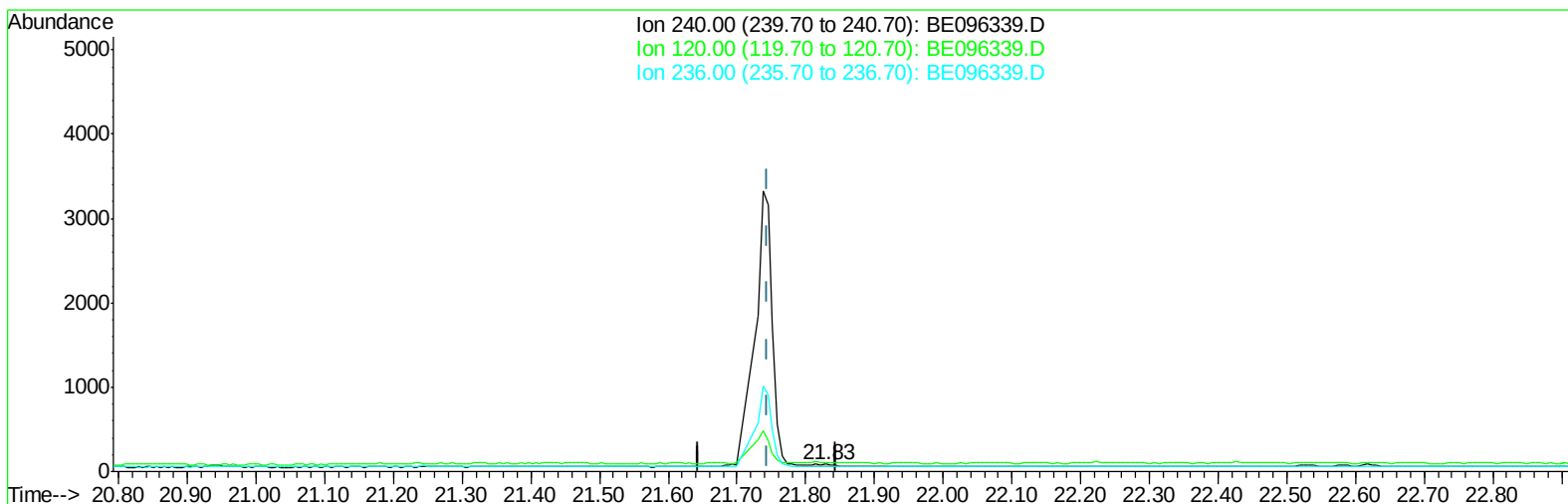
Data Path : Z:\HPCHEM1\BNA E\DATA\BE050318\
Data File : BE096339.D
Acq On : 4 May 2018 00:58
Operator : SJ/JU
Sample : J2440-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
A3Y37

Manual Integrations
APPROVED

Sohil
5/4/2018 1:35:16 PM

Quant Time: May 04 04:19:00 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE050318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 04 01:53:25 2018
Response via : Initial Calibration



TIC: BE096339.D

(16) Chrysene-d12 (I)

21.829min (+0.085) 0.40ng/ul

response 79

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	126.44#
236.00	34.90	71.26#
0.00	0.00	0.00

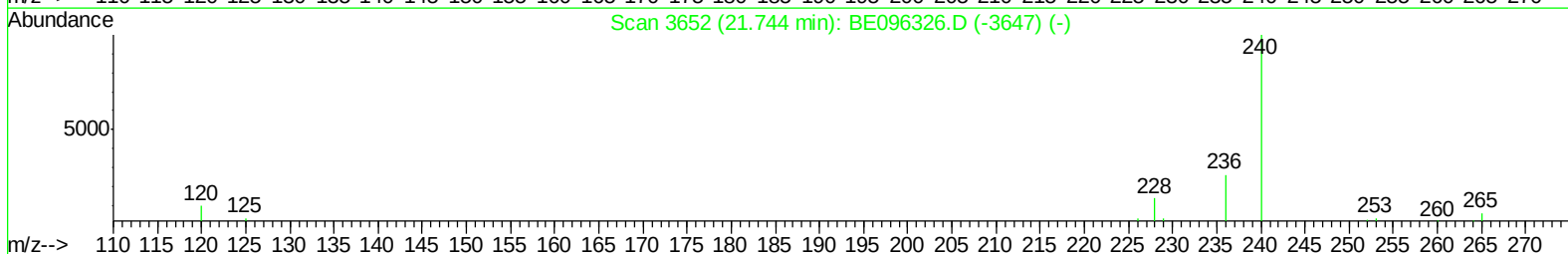
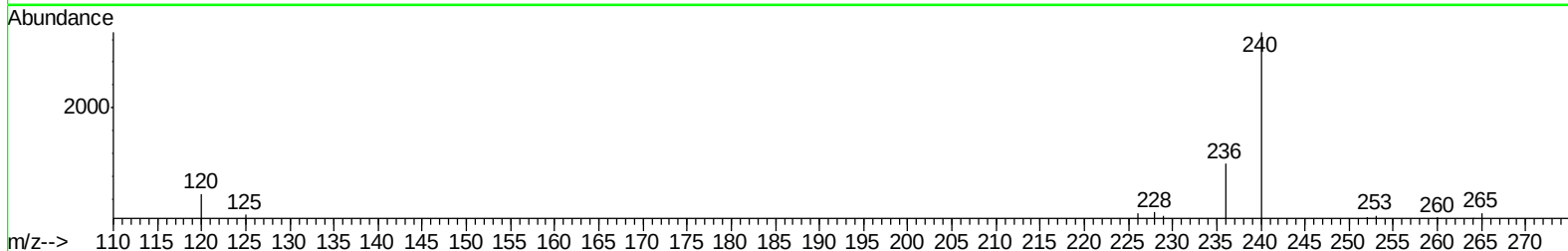
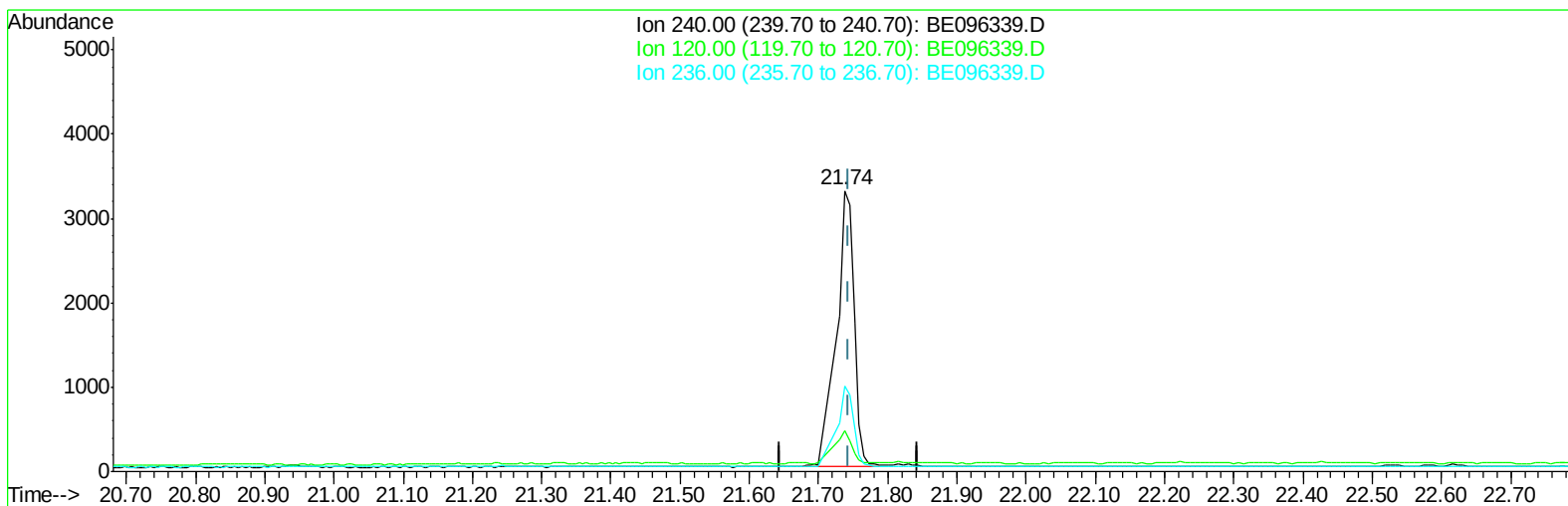
Data Path : Z:\HPCHEM1\BNA E\DATA\BE050318\
Data File : BE096339.D
Acq On : 4 May 2018 00:58
Operator : SJ/JU
Sample : J2440-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
A3Y37

Manual Integrations
APPROVED

Sohil
5/4/2018 1:35:16 PM

Quant Time: May 04 04:19:00 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE050318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 04 01:53:25 2018
Response via : Initial Calibration



TIC: BE096339.D

(16) Chrysene-d12 (I)

21.738min (-0.007) 0.40ng/ul m

response 5390

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	14.73#
236.00	34.90	30.49
0.00	0.00	0.00

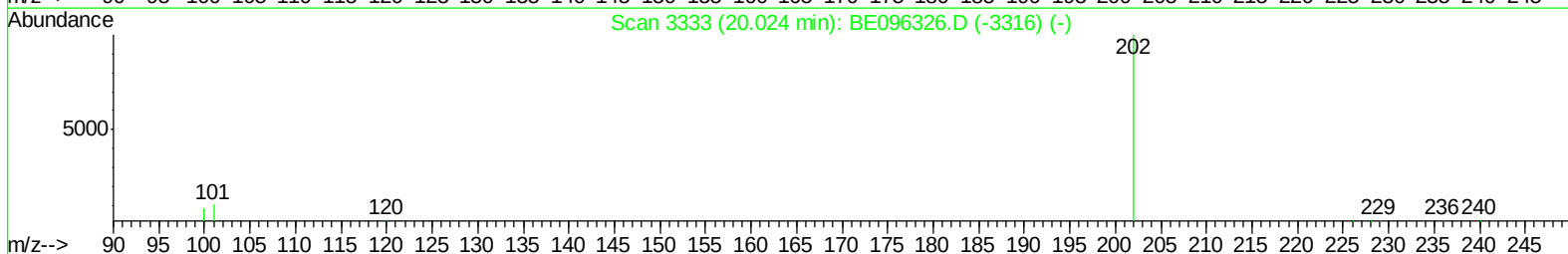
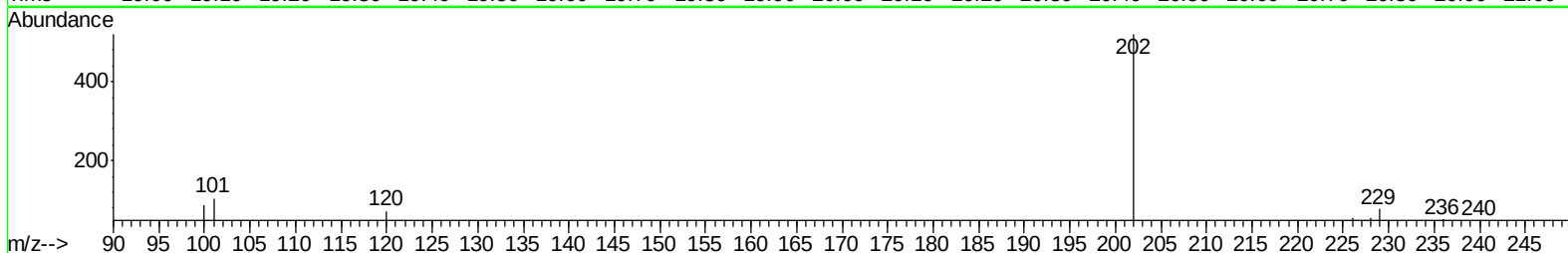
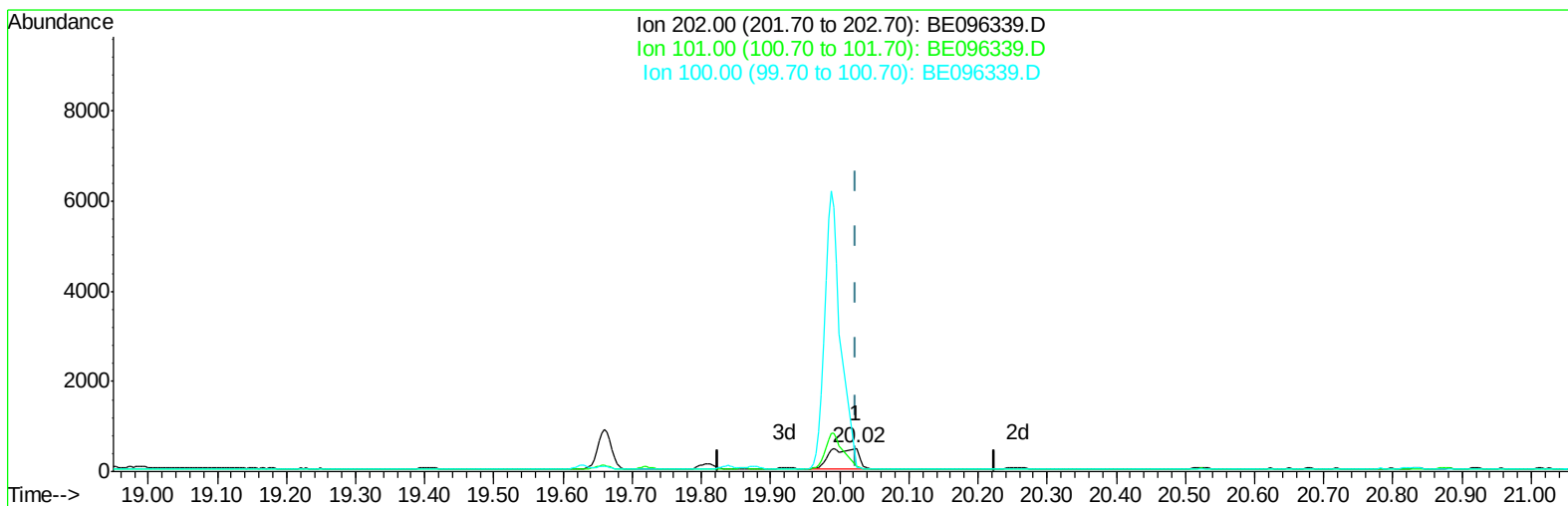
Data Path : Z:\HPCHEM1\BNA E\DATA\BE050318\
Data File : BE096339.D
Acq On : 4 May 2018 00:58
Operator : SJ/JU
Sample : J2440-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
A3Y37

Manual Integrations
APPROVED

Sohil
5/4/2018 1:35:16 PM

Quant Time: May 04 04:20:44 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE050318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 04 01:53:25 2018
Response via : Initial Calibration



TIC: BE096339.D

(17) Pyrene

20.024min (-0.000) 0.17ng/ul

response 1001

Ion	Exp%	Act%
202.00	100	100
101.00	22.80	20.19
100.00	19.50	17.12
0.00	0.00	0.00

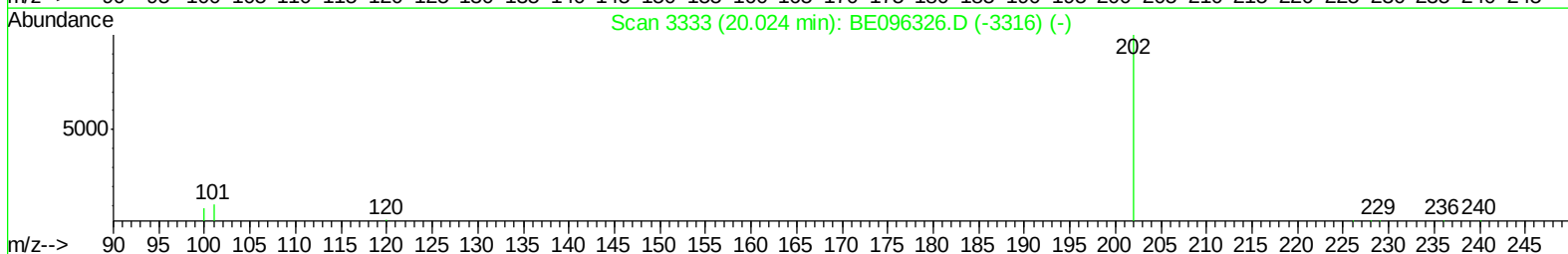
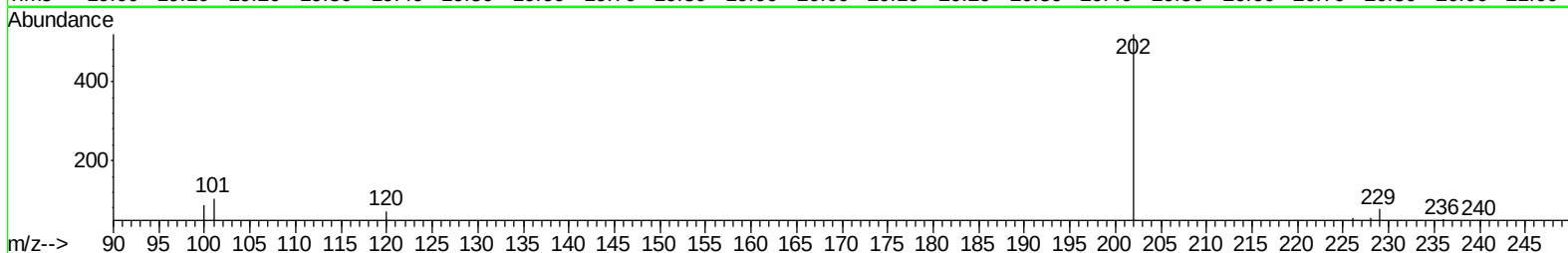
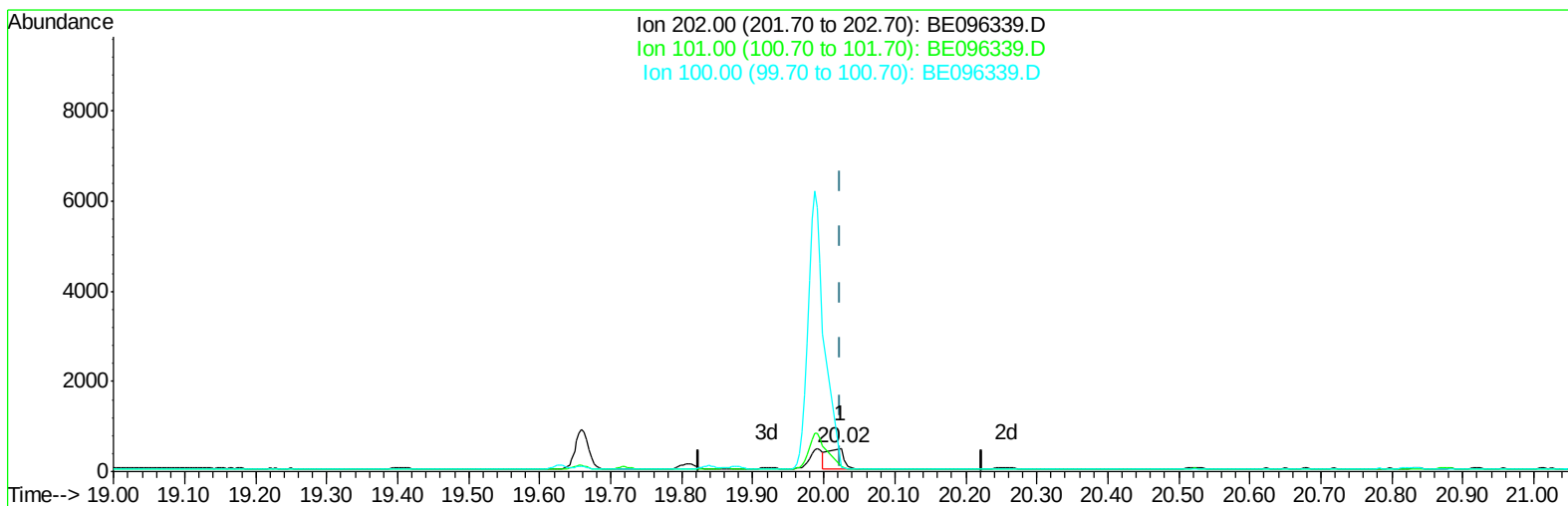
Data Path : Z:\HPCHEM1\BNA E\DATA\BE050318\
Data File : BE096339.D
Acq On : 4 May 2018 00:58
Operator : SJ/JU
Sample : J2440-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
A3Y37

Manual Integrations
APPROVED

Sohil
5/4/2018 1:35:16 PM

Quant Time: May 04 04:20:44 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE050318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 04 01:53:25 2018
Response via : Initial Calibration



TIC: BE096339.D

(17) Pyrene

20.024min (-0.000) 0.07ng/ul m

response 419

Ion	Exp%	Act%
202.00	100	100
101.00	22.80	20.19
100.00	19.50	17.12
0.00	0.00	0.00

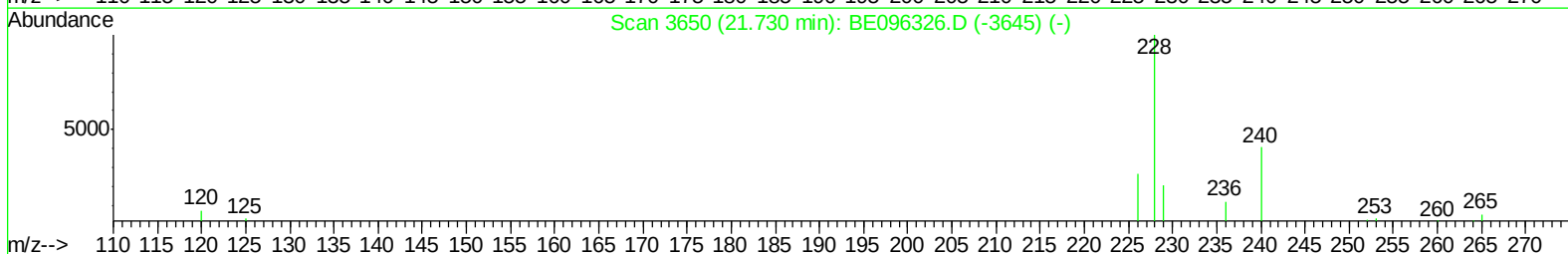
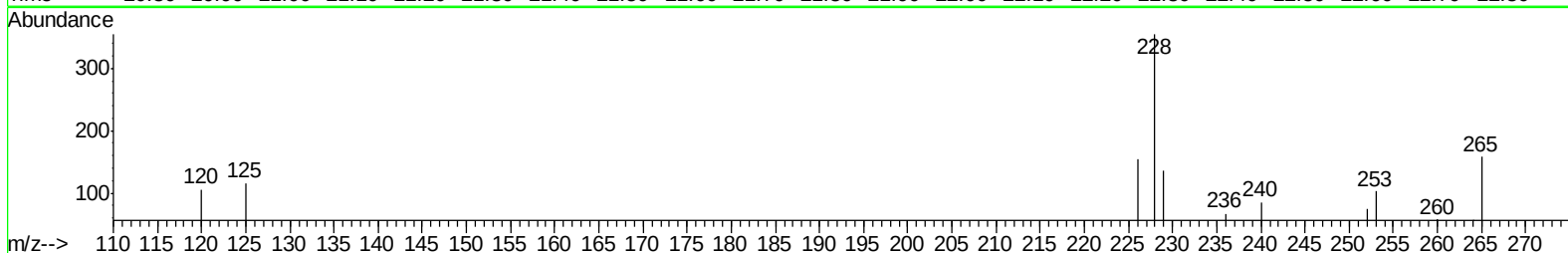
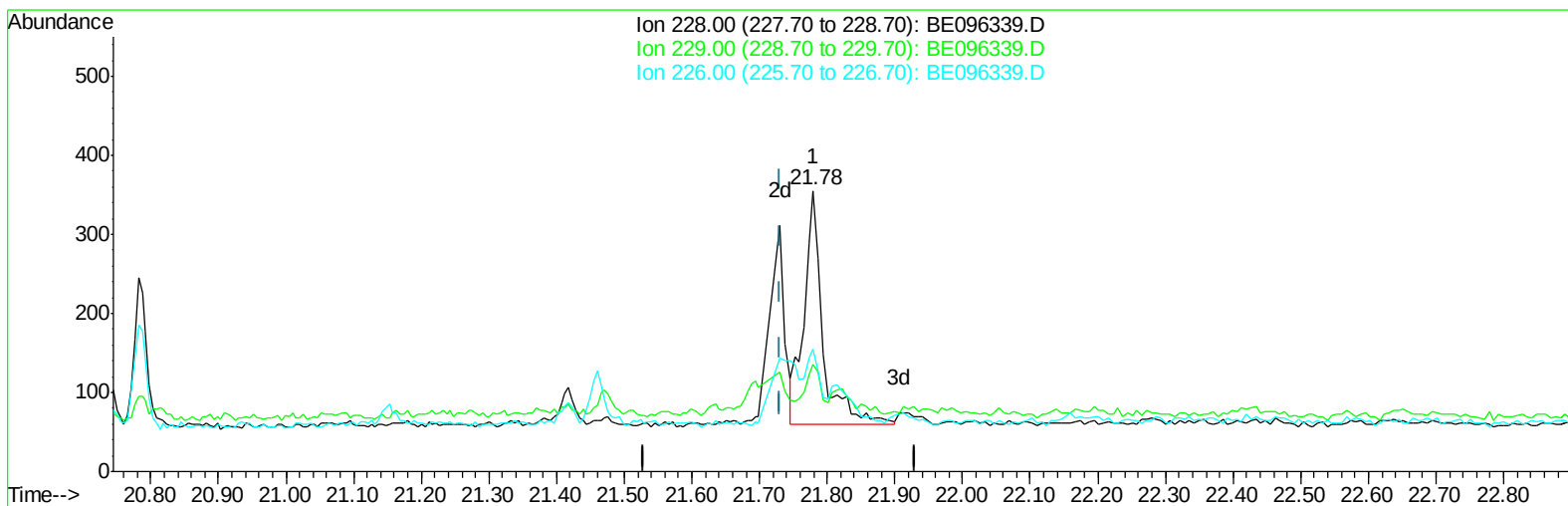
Data Path : Z:\HPCHEM1\BNA E\DATA\BE050318\
Data File : BE096339.D
Acq On : 4 May 2018 00:58
Operator : SJ/JU
Sample : J2440-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
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Manual Integrations
APPROVED

Sohil
5/4/2018 1:35:16 PM

Quant Time: May 04 04:20:44 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE050318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 04 01:53:25 2018
Response via : Initial Calibration



TIC: BE096339.D

(18) Benzo(a)anthracene
21.780min (+0.050) 0.07ng/ul
response 581

Ion	Exp%	Act%
228.00	100	100
229.00	28.50	38.03#
226.00	21.30	43.66#
0.00	0.00	0.00

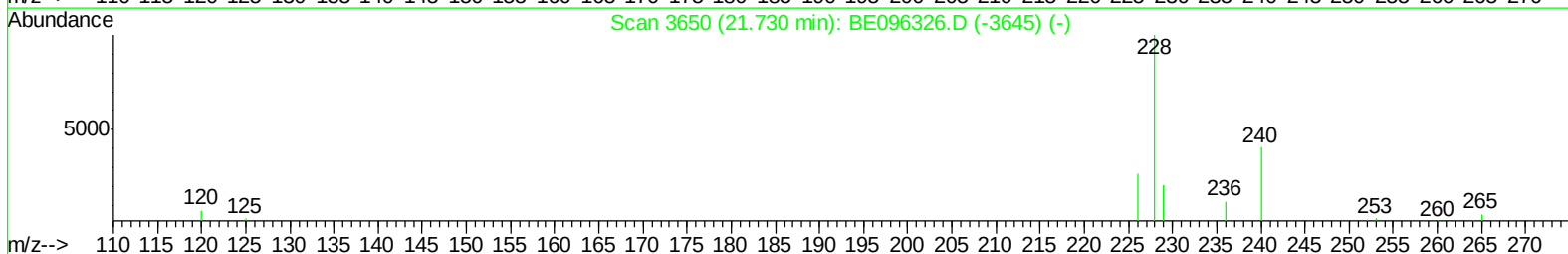
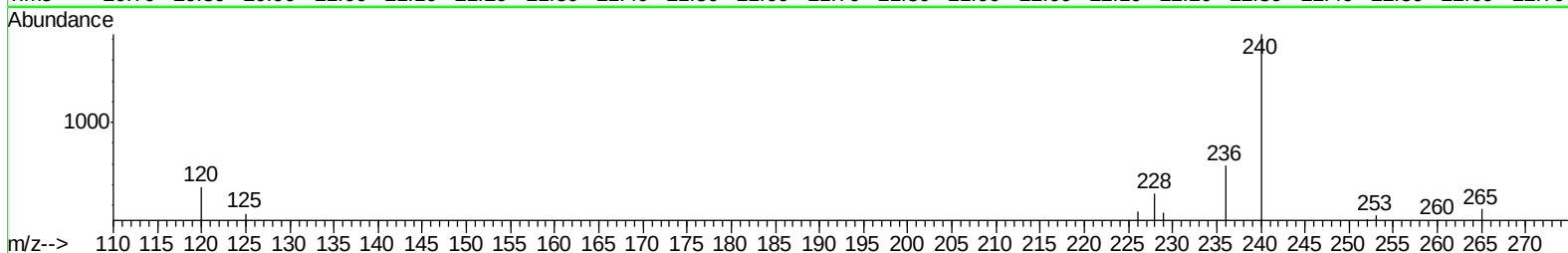
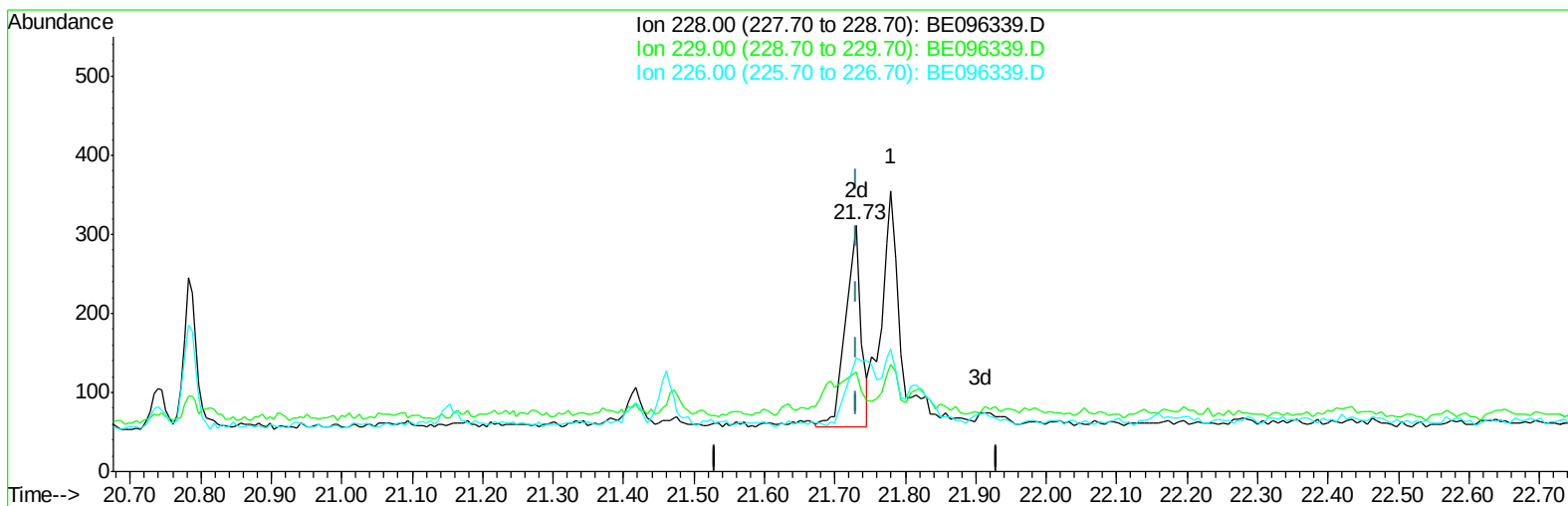
Data Path : Z:\HPCHEM1\BNA E\DATA\BE050318\
Data File : BE096339.D
Acq On : 4 May 2018 00:58
Operator : SJ/JU
Sample : J2440-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
A3Y37

Manual Integrations
APPROVED

Sohil
5/4/2018 1:35:16 PM

Quant Time: May 04 04:20:44 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE050318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 04 01:53:25 2018
Response via : Initial Calibration



TIC: BE096339.D

(18) Benzo(a)anthracene

21.731min (+0.000) 0.03ng/ul m

response 253

Ion	Exp%	Act%
228.00	100	100
229.00	28.50	40.38#
226.00	21.30	46.15#
0.00	0.00	0.00

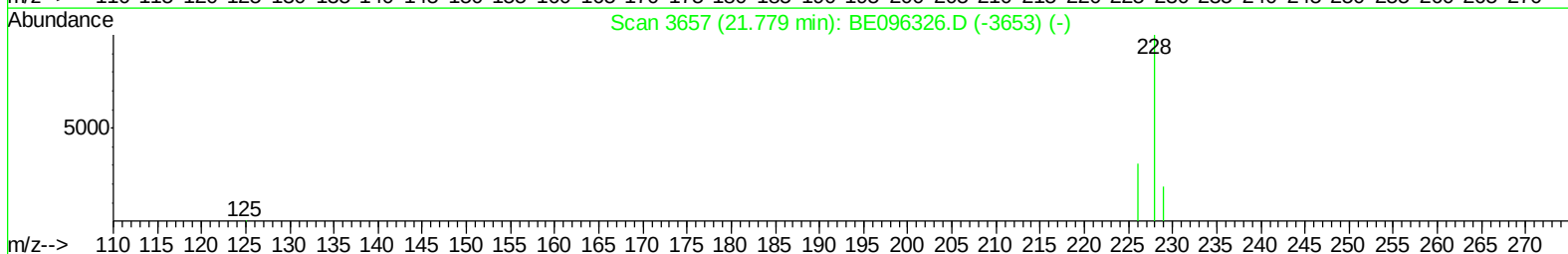
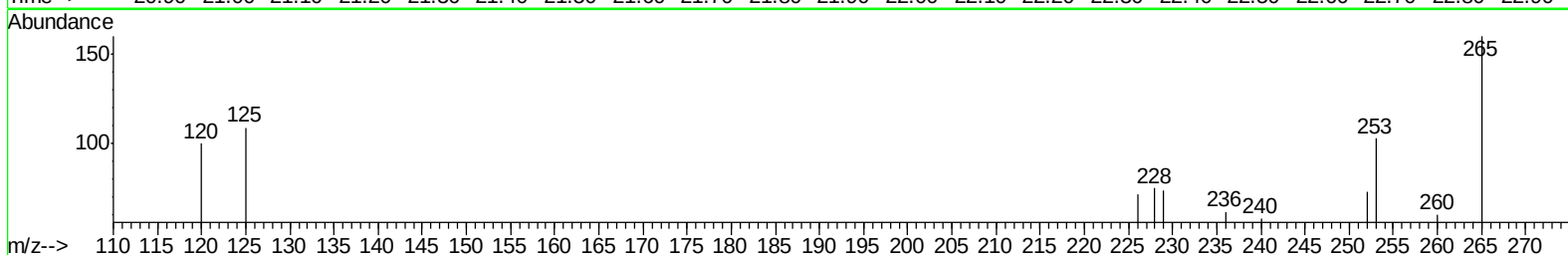
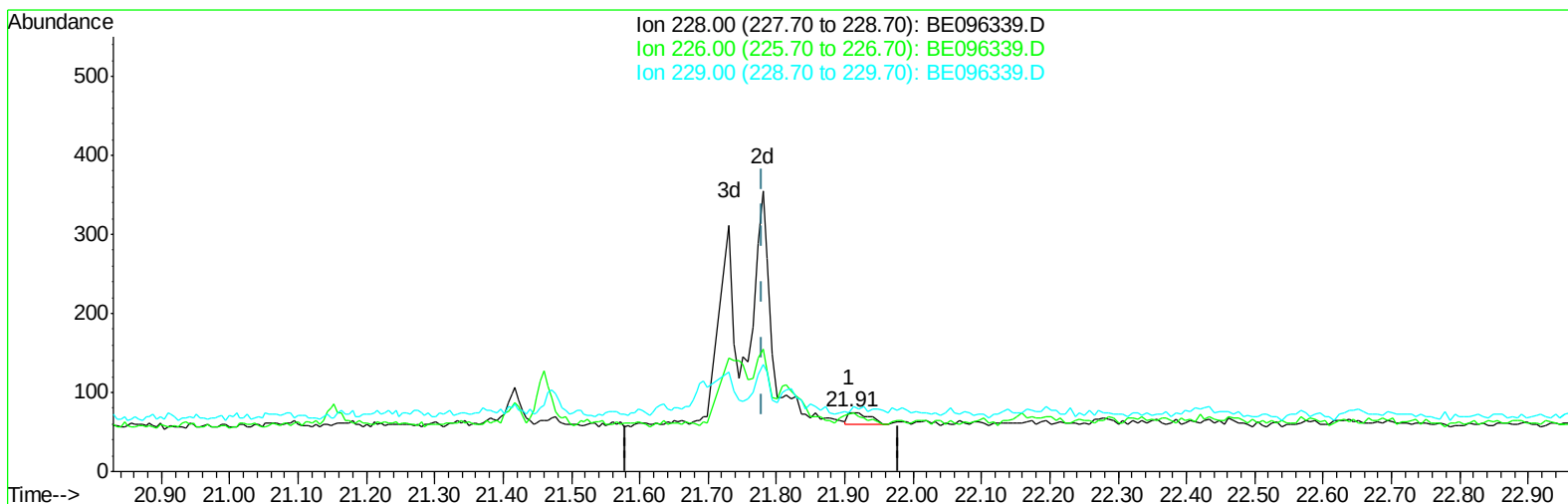
Data Path : Z:\HPCHEM1\BNA E\DATA\BE050318\
Data File : BE096339.D
Acq On : 4 May 2018 00:58
Operator : SJ/JU
Sample : J2440-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
A3Y37

Manual Integrations
APPROVED

Sohil
5/4/2018 1:35:16 PM

Quant Time: May 04 04:20:44 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE050318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 04 01:53:25 2018
Response via : Initial Calibration



TIC: BE096339.D

(19) Chrysene

21.906min (+0.127) 0.00ng/ul

response 37

Ion	Exp%	Act%
228.00	100	100
226.00	29.20	96.00#
229.00	22.10	98.67#
0.00	0.00	0.00

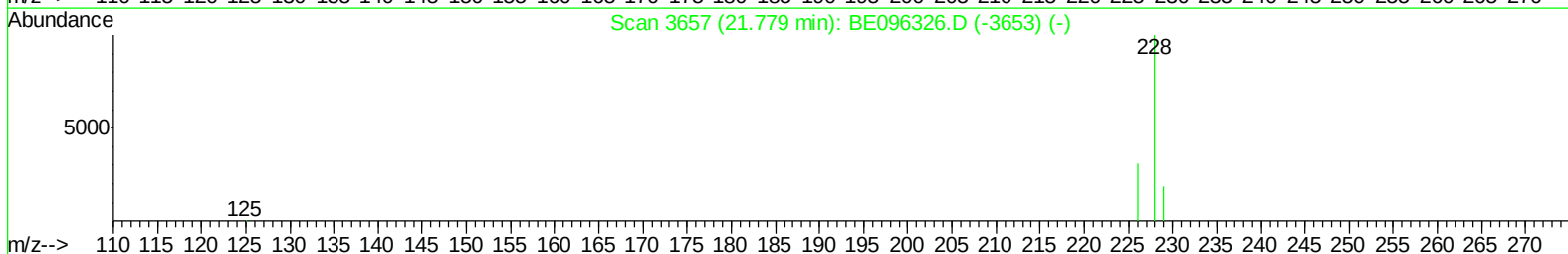
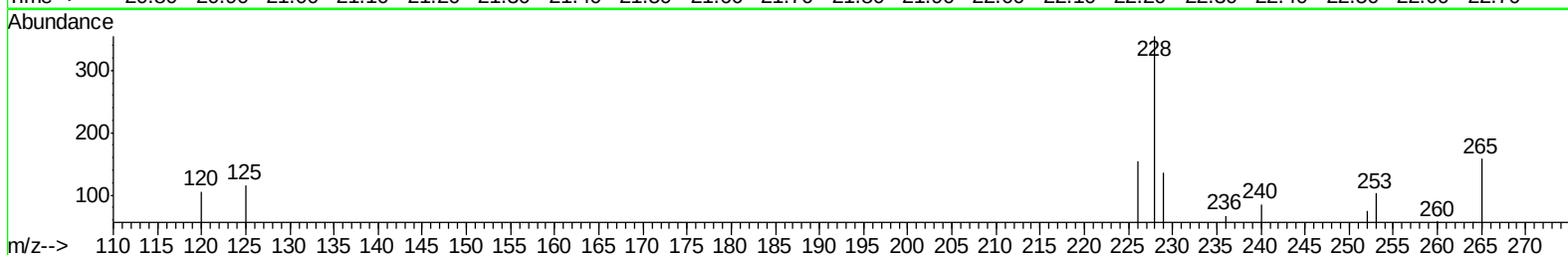
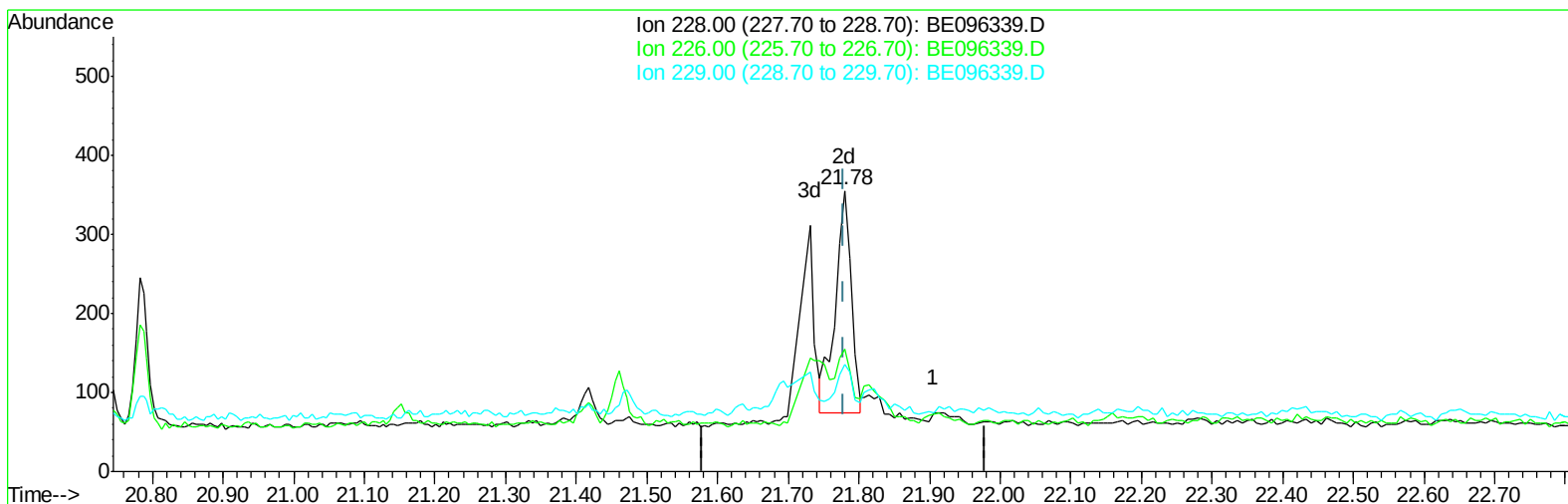
Data Path : Z:\HPCHEM1\BNA E\DATA\BE050318\
Data File : BE096339.D
Acq On : 4 May 2018 00:58
Operator : SJ/JU
Sample : J2440-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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Manual Integrations
APPROVED

Sohil
5/4/2018 1:35:16 PM

Quant Time: May 04 04:20:44 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE050318.M
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QLast Update : Fri May 04 01:53:25 2018
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TIC: BE096339.D

(19) Chrysene

21.780min (+0.000) 0.03ng/ul m

response 430

Ion	Exp%	Act%
228.00	100	100
226.00	29.20	43.66#
229.00	22.10	38.03#
0.00	0.00	0.00

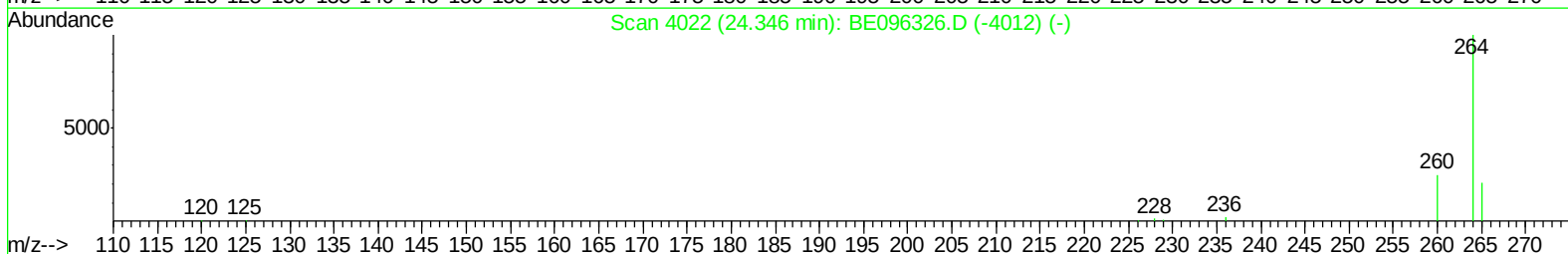
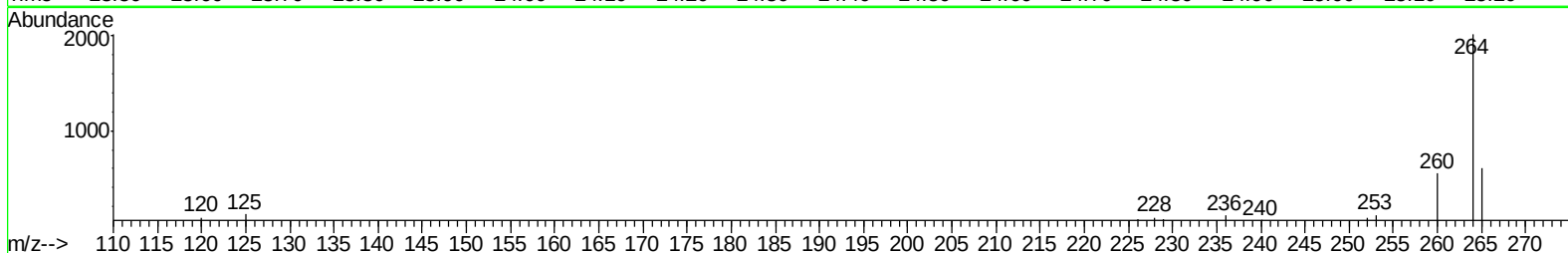
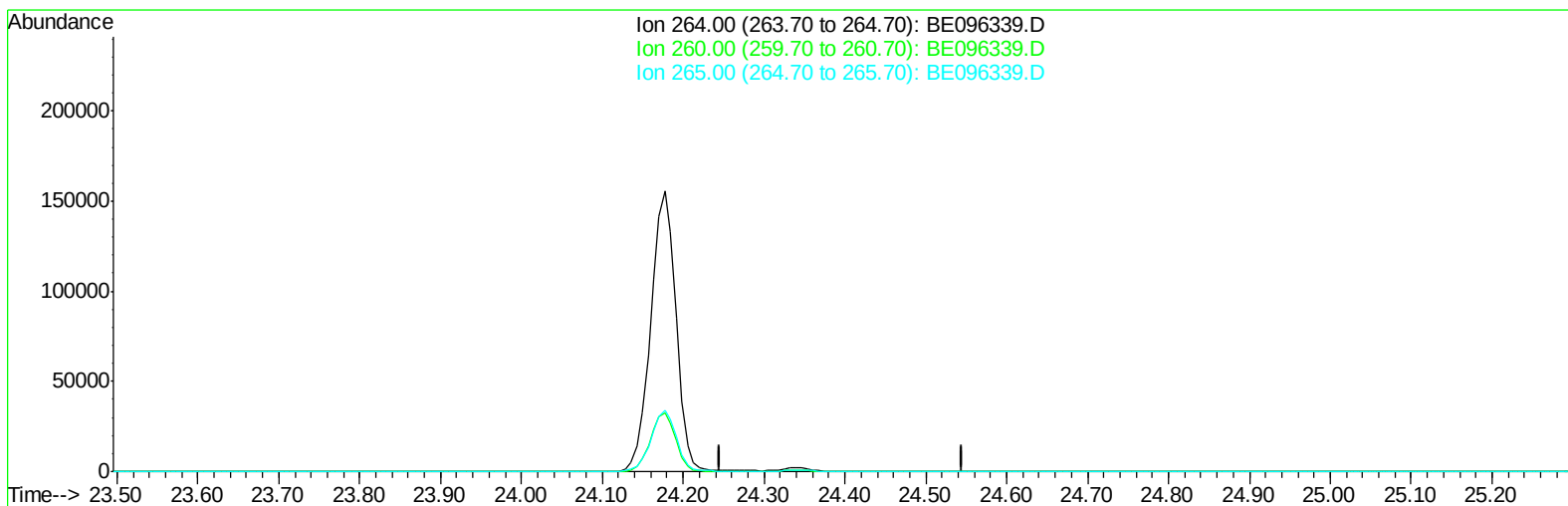
Data Path : Z:\HPCHEM1\BNA E\DATA\BE050318\
Data File : BE096339.D
Acq On : 4 May 2018 00:58
Operator : SJ/JU
Sample : J2440-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
A3Y37

Manual Integrations
APPROVED

Sohil
5/4/2018 1:35:16 PM

Quant Time: May 04 04:20:44 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE050318.M
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QLast Update : Fri May 04 01:53:25 2018
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TIC: BE096339.D

(20) Perylene-d12 (I)

24.346min (-24.346) 0.00ng/ul

response 0

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

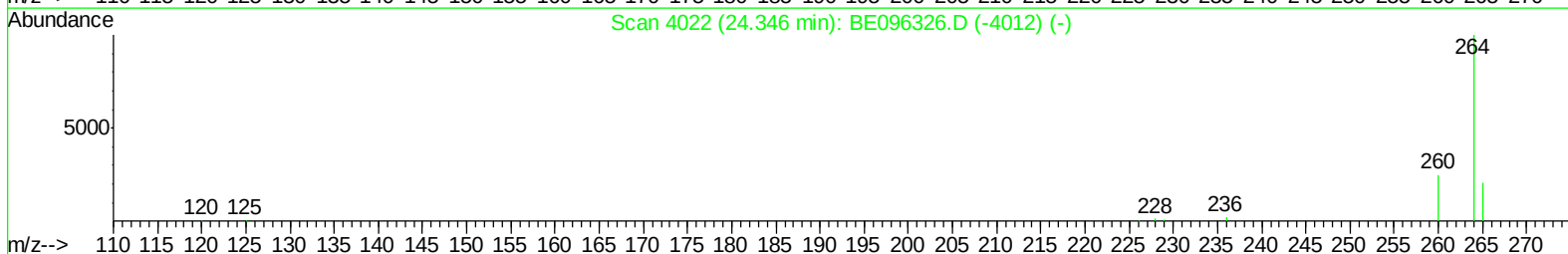
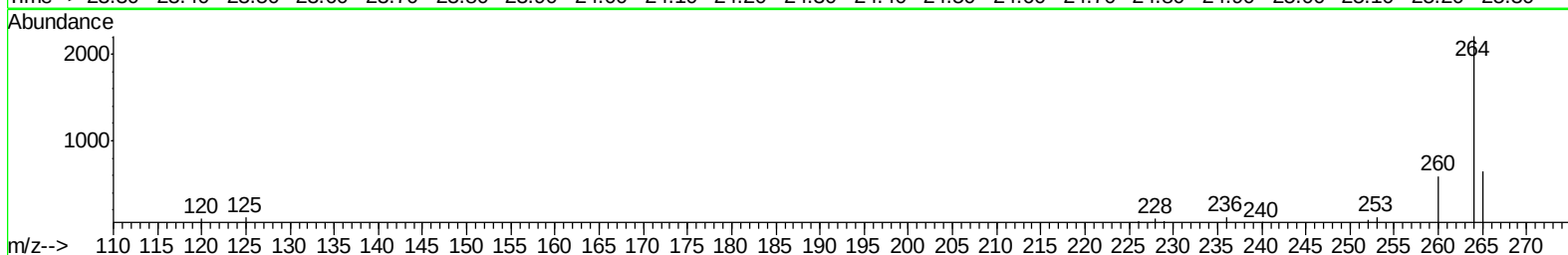
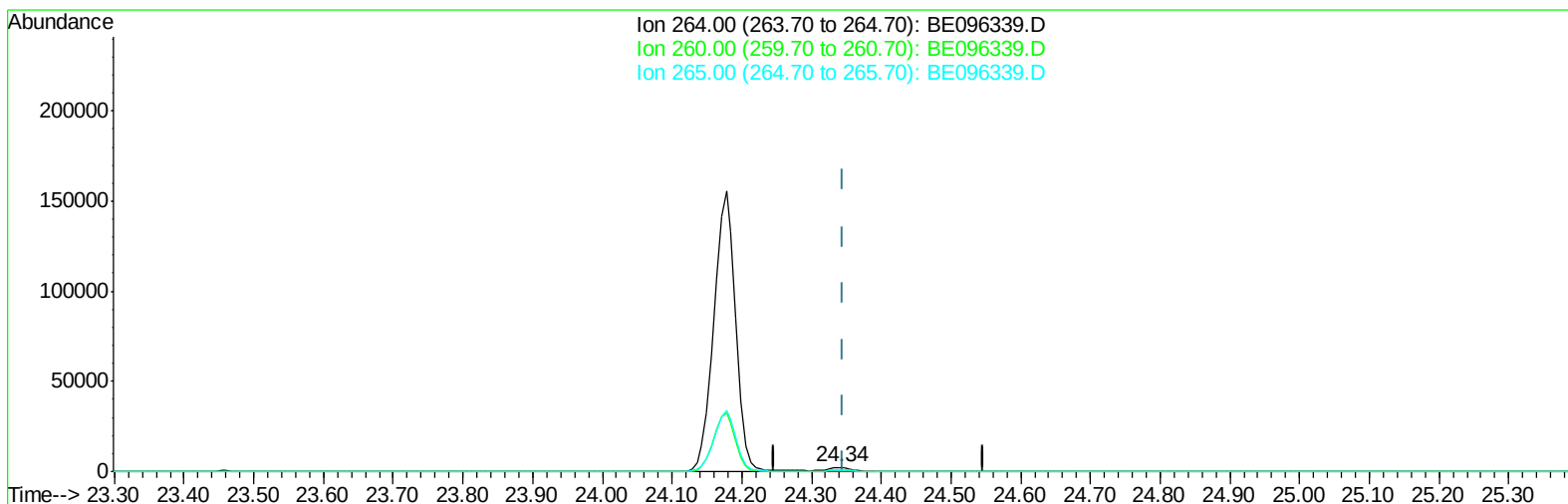
Data Path : Z:\HPCHEM1\BNA E\DATA\BE050318\
Data File : BE096339.D
Acq On : 4 May 2018 00:58
Operator : SJ/JU
Sample : J2440-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
A3Y37

Manual Integrations
APPROVED

Sohil
5/4/2018 1:35:16 PM

Quant Time: May 04 04:20:44 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE050318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 04 01:53:25 2018
Response via : Initial Calibration



TIC: BE096339.D

(20) Perylene-d12 (I)

24.339min (-0.007) 0.40ng/ul m

response 4199

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	26.66
265.00	103.50	29.20#
0.00	0.00	0.00

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 Data File : BE096339.D
 Acq On : 4 May 2018 00:58
 Operator : SJ/JU
 Sample : J2440-16
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A3Y37

Manual Integrations
 APPROVED

Sohil
 5/4/2018 1:35:16 PM

Quant Time: May 04 04:23:17 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE050318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 04 01:53:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.35	152	681	0.40	ng/ul	0.00
2) Naphthalene-d8	11.17	136	2966	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.94	164	1917	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.65	188	4879m	0.40	ng/ul	0.00
16) Chrysene-d12	21.74	240	5390m	0.40	ng/ul	0.00
20) Perylene-d12	24.34	264	4199m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.73	152	1520	0.28	ng/ul	0.00
14) Fluoranthene-d10	19.63	212	5689m	0.28	ng/ul	0.00
Target Compounds				Ovalue		
12) Phenanthrene	17.69	178	891m	0.061	ng/ul	
15) Fluoranthene	19.66	202	1162m	0.056	ng/ul	
17) Pyrene	20.02	202	419m	0.069	ng/ul	
18) Benzo(a)anthracene	21.73	228	253m	0.030	ng/ul	
19) Chrysene	21.78	228	430m	0.027	ng/ul	

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

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Manual Integrations
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