

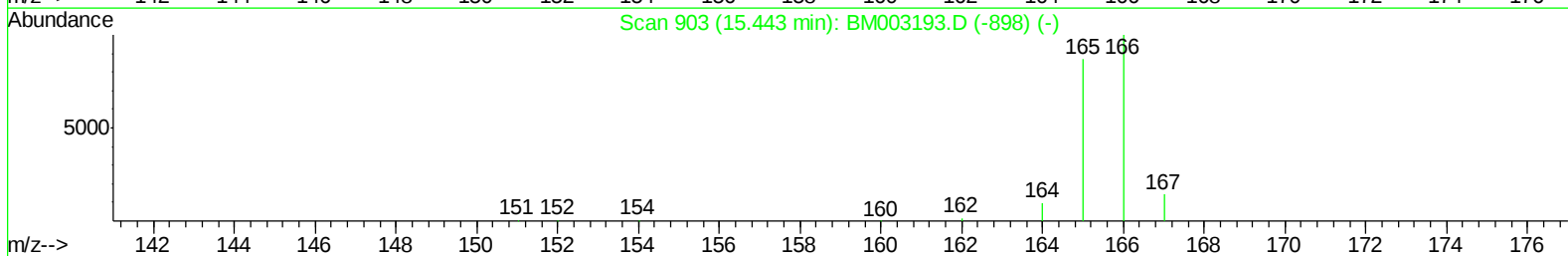
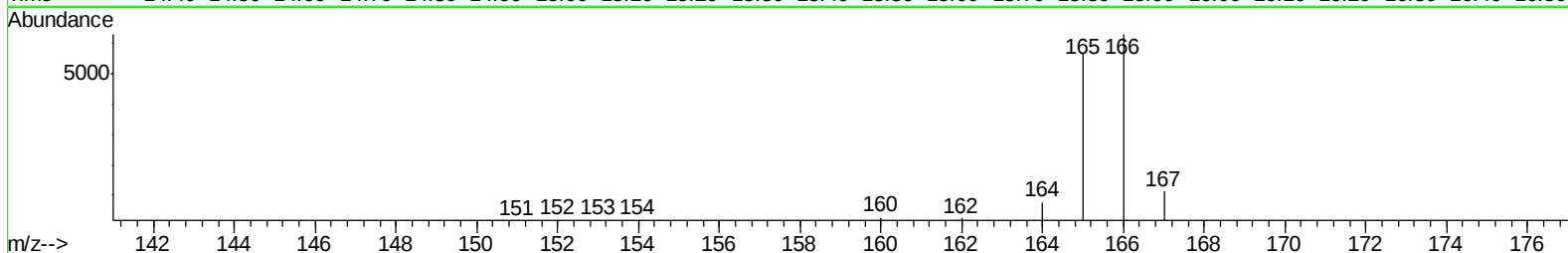
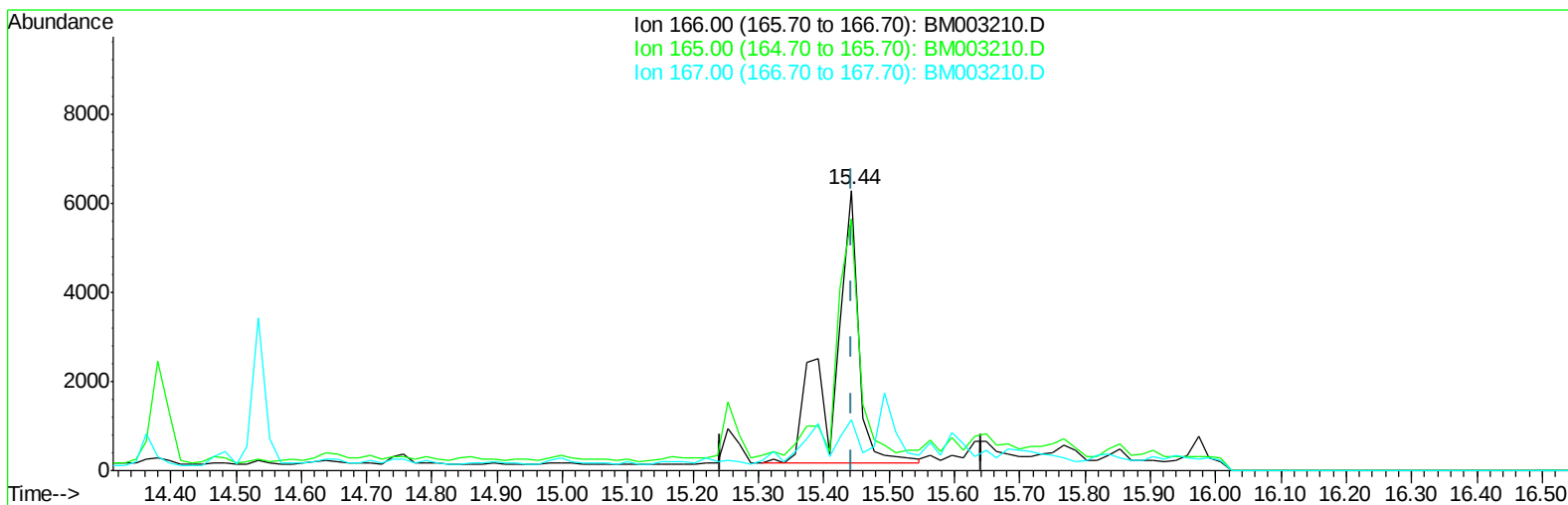
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
Data File : BM003210.D
Acq On : 20 Nov 2015 03:24
Operator : UM/IZ
Sample : G4323-31
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4J60

Manual Integrations
APPROVED

Mmdadoda
11/20/2015 7:00:34 PM

Quant Time: Nov 20 07:50:17 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 03:16:26 2015
Response via : Initial Calibration



TIC: BM003210.D

(11) Fluorene

15.442min (-0.000) 0.15ng/ul

response 16366

Ion	Exp%	Act%
166.00	100	100
165.00	87.00	89.94
167.00	14.90	18.14#
0.00	0.00	0.00

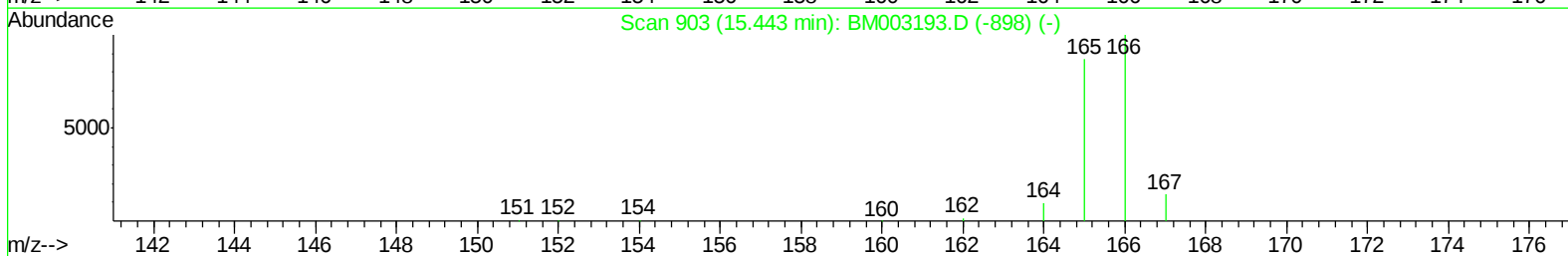
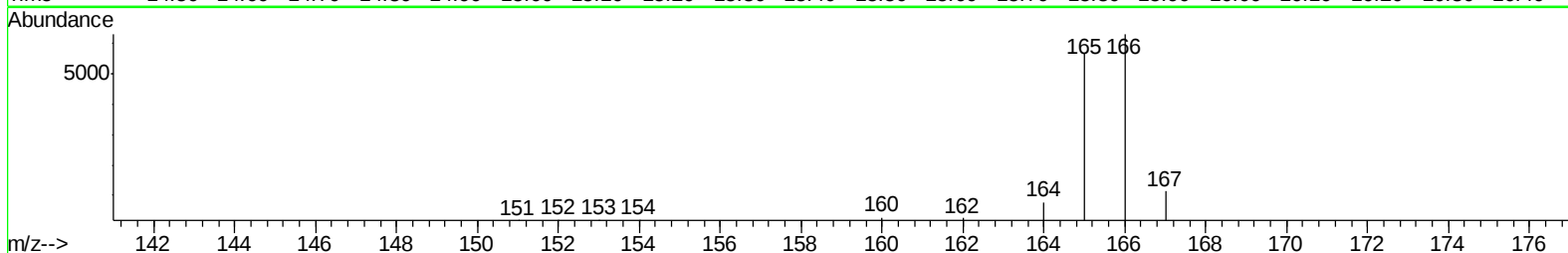
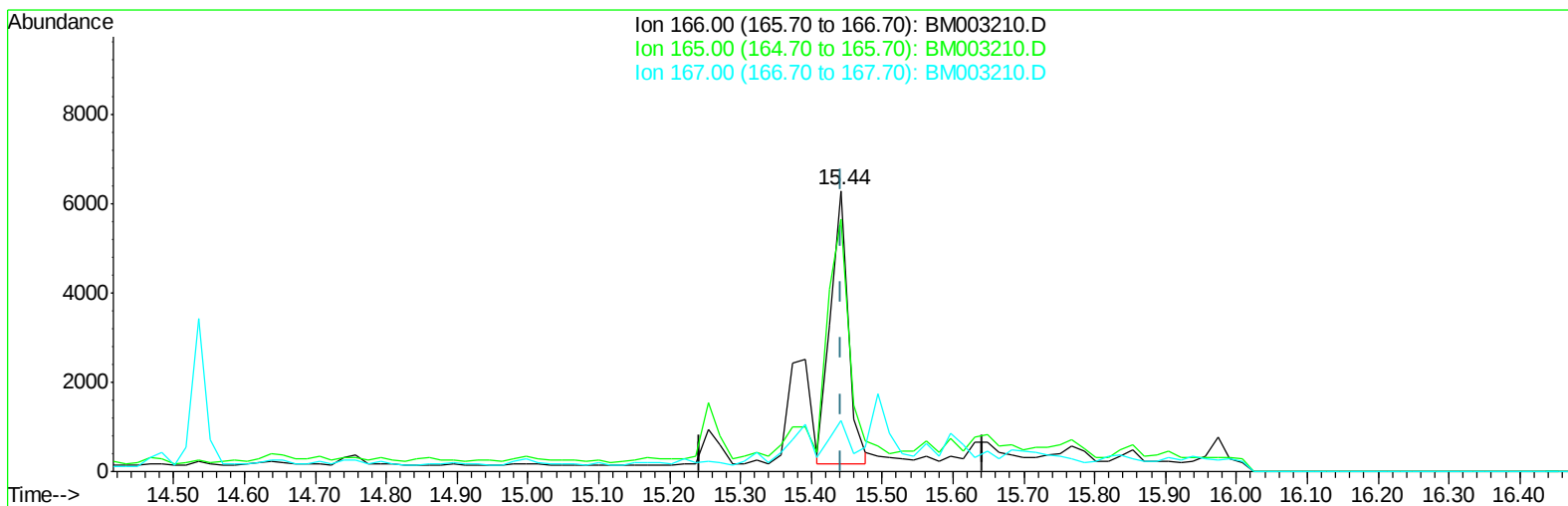
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
Data File : BM003210.D
Acq On : 20 Nov 2015 03:24
Operator : UM/IZ
Sample : G4323-31
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4J60

Manual Integrations
APPROVED

Mmdadoda
11/20/2015 7:00:34 PM

Quant Time: Nov 20 07:50:17 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 03:16:26 2015
Response via : Initial Calibration



TIC: BM003210.D

(11) Fluorene

15.442min (-0.000) 0.10ng/ul m

response 10769

Ion	Exp%	Act%
166.00	100	100
165.00	87.00	89.94
167.00	14.90	18.14#
0.00	0.00	0.00

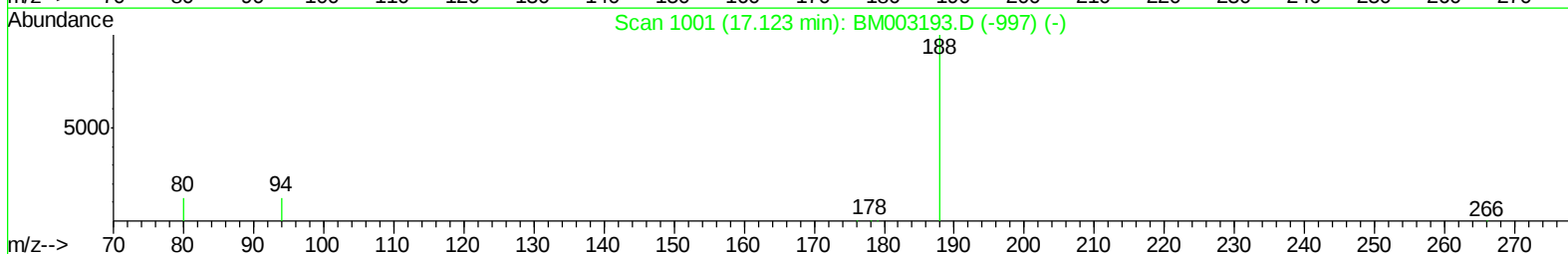
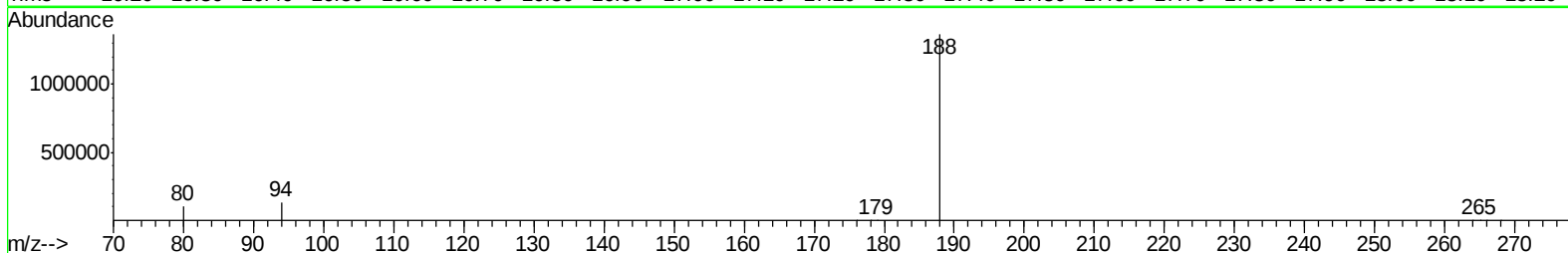
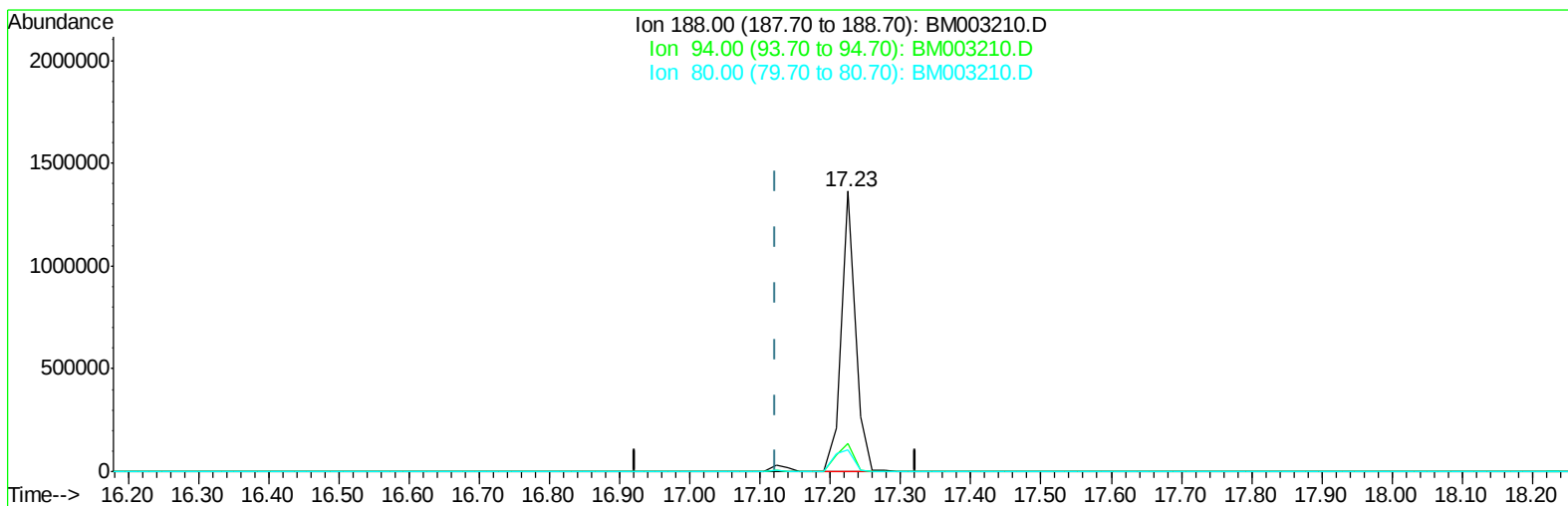
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
Data File : BM003210.D
Acq On : 20 Nov 2015 03:24
Operator : UM/IZ
Sample : G4323-31
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4J60

Manual Integrations
APPROVED

Mmdadoda
11/20/2015 7:00:34 PM

Quant Time: Nov 20 07:50:17 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 03:16:26 2015
Response via : Initial Calibration



TIC: BM003210.D

(12) Phenanthrene-d10 (I)

17.225min (+0.103) 0.40ng/ul

response 1906894

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	9.91
80.00	11.90	7.58#
0.00	0.00	0.00

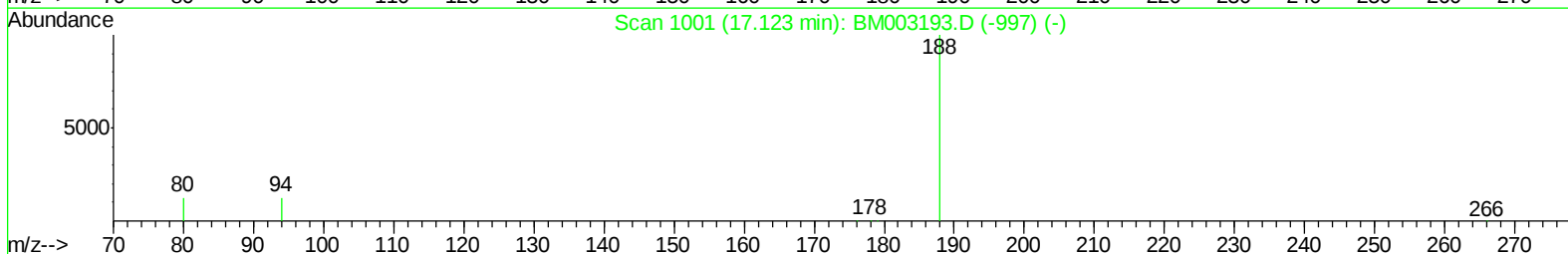
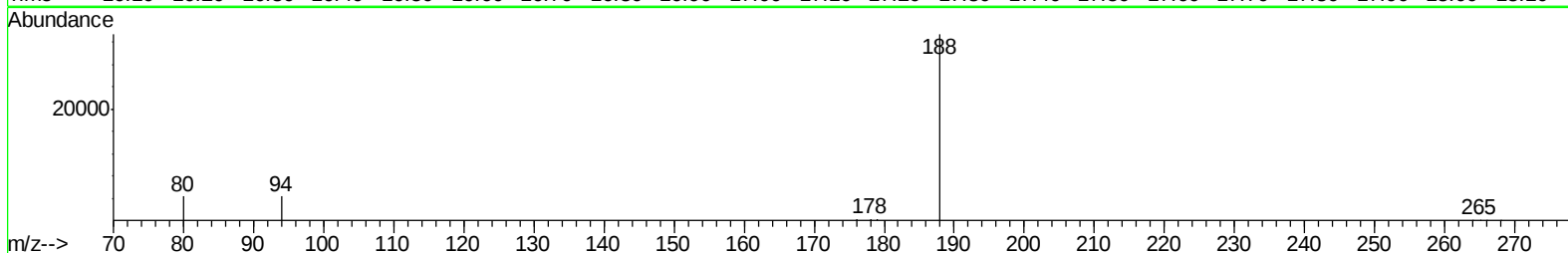
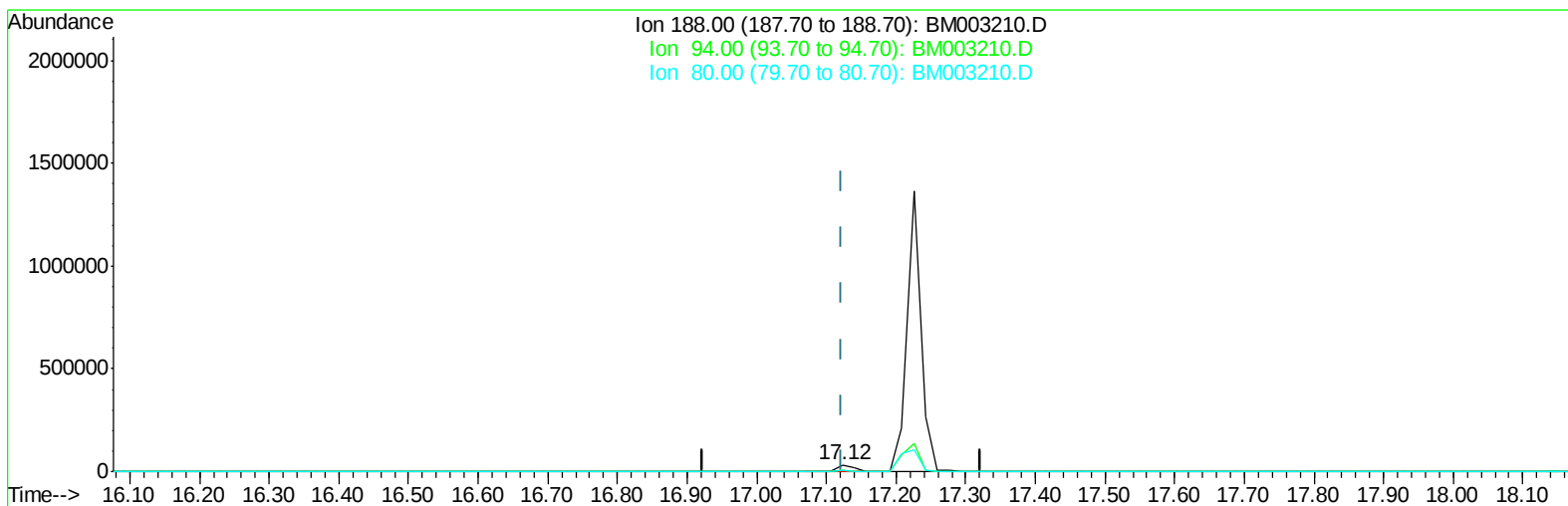
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
Data File : BM003210.D
Acq On : 20 Nov 2015 03:24
Operator : UM/IZ
Sample : G4323-31
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4J60

Manual Integrations
APPROVED

Mmdadoda
11/20/2015 7:00:34 PM

Quant Time: Nov 20 07:50:17 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 03:16:26 2015
Response via : Initial Calibration



TIC: BM003210.D

(12) Phenanthrene-d10 (I)

17.123min (-0.000) 0.40ng/ul m

response 54909

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	13.03
80.00	11.90	13.03
0.00	0.00	0.00

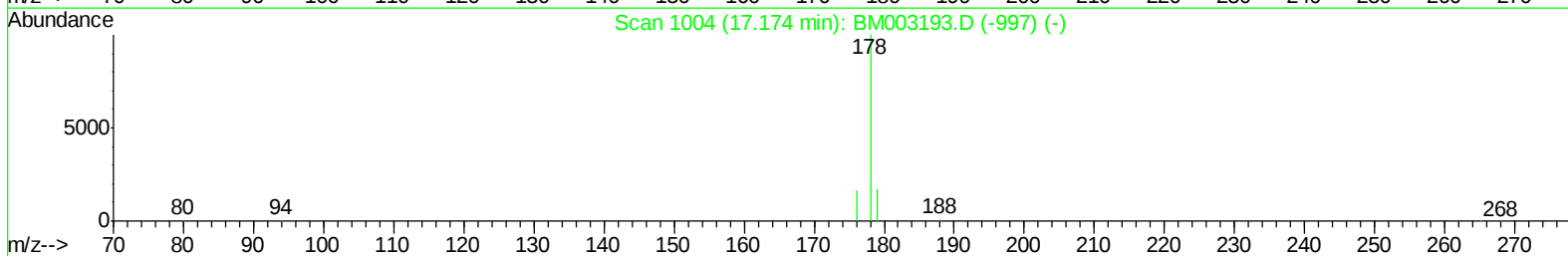
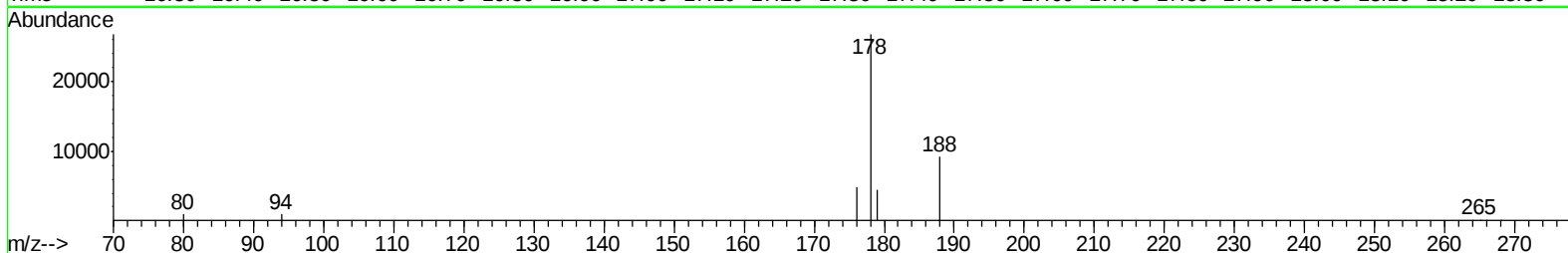
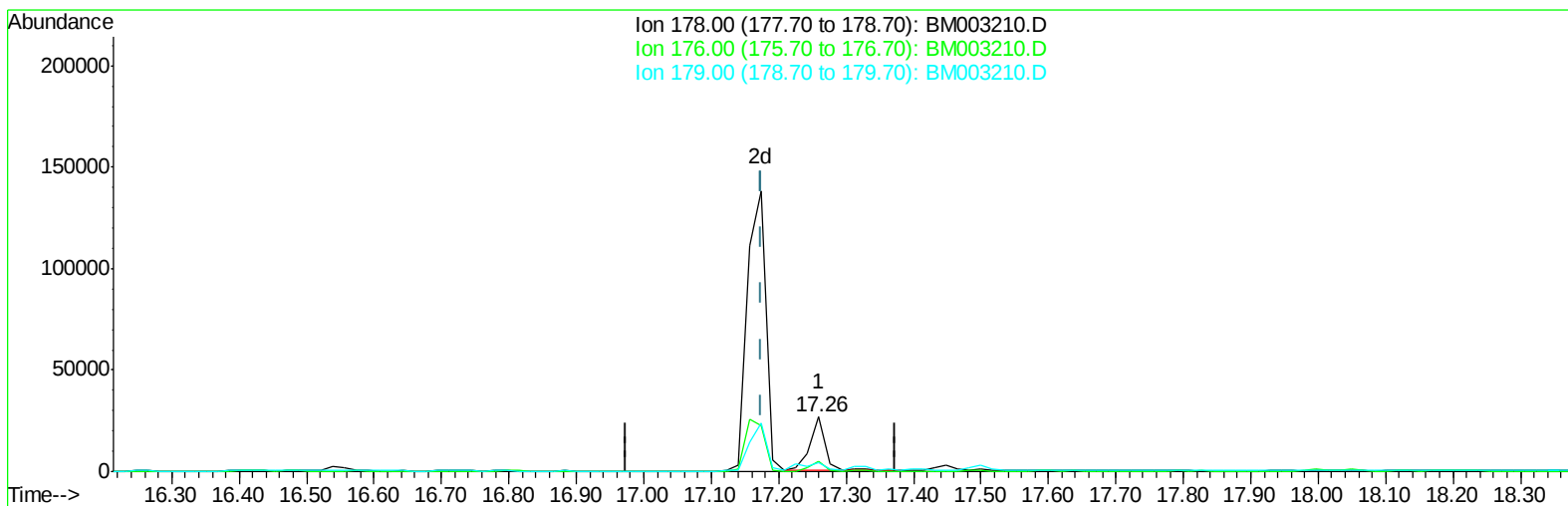
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
Data File : BM003210.D
Acq On : 20 Nov 2015 03:24
Operator : UM/IZ
Sample : G4323-31
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4J60

Manual Integrations
APPROVED

Mmdadoda
11/20/2015 7:00:34 PM

Quant Time: Nov 20 07:54:02 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 03:16:26 2015
Response via : Initial Calibration



TIC: BM003210.D

(14) Phenanthrene

17.260min (+0.086) 0.27ng/ul

response 42549

Ion	Exp%	Act%
178.00	100	100
176.00	16.20	18.13
179.00	17.70	16.96
0.00	0.00	0.00

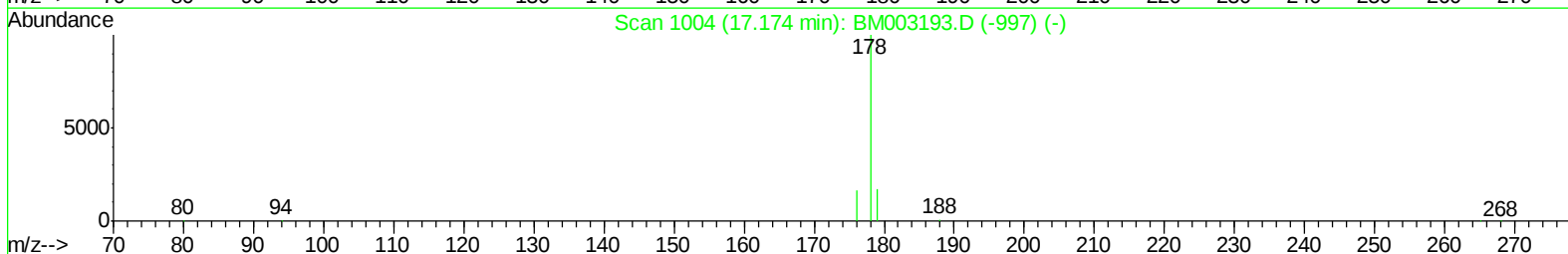
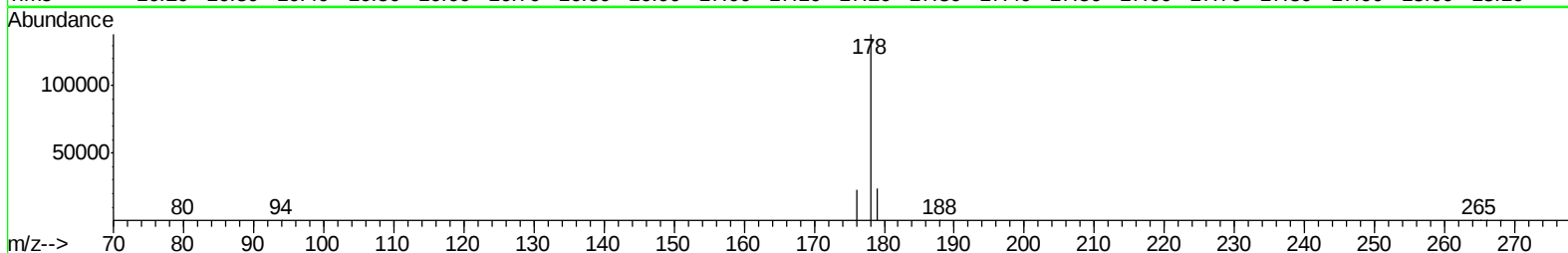
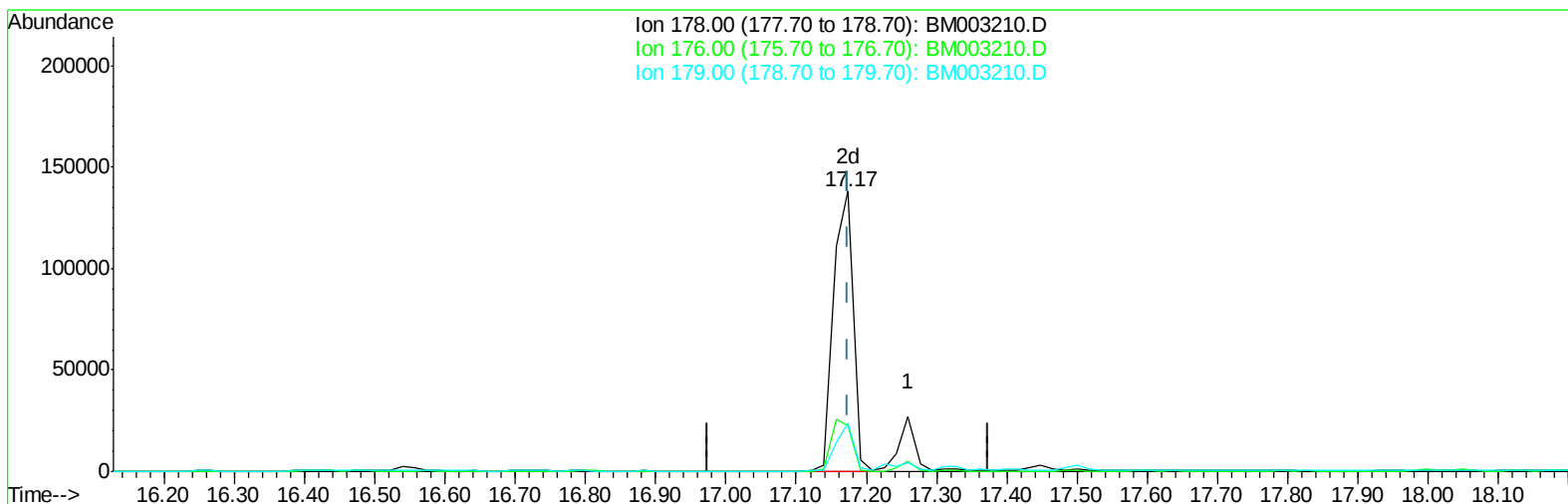
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
Data File : BM003210.D
Acq On : 20 Nov 2015 03:24
Operator : UM/IZ
Sample : G4323-31
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4J60

Manual Integrations
APPROVED

Mmdadoda
11/20/2015 7:00:34 PM

Quant Time: Nov 20 07:54:02 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 03:16:26 2015
Response via : Initial Calibration



TIC: BM003210.D

(14) Phenanthrene

17.174min (-0.000) 1.67ng/ul m

response 266832

Ion	Exp%	Act%
178.00	100	100
176.00	16.20	16.27
179.00	17.70	17.31
0.00	0.00	0.00

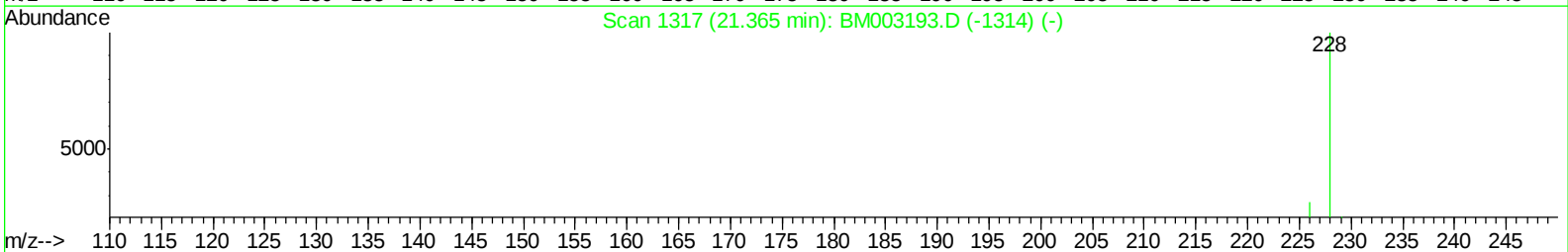
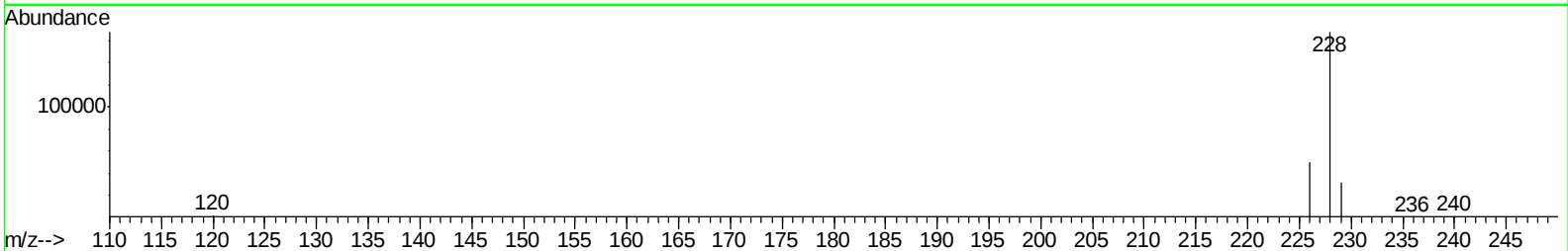
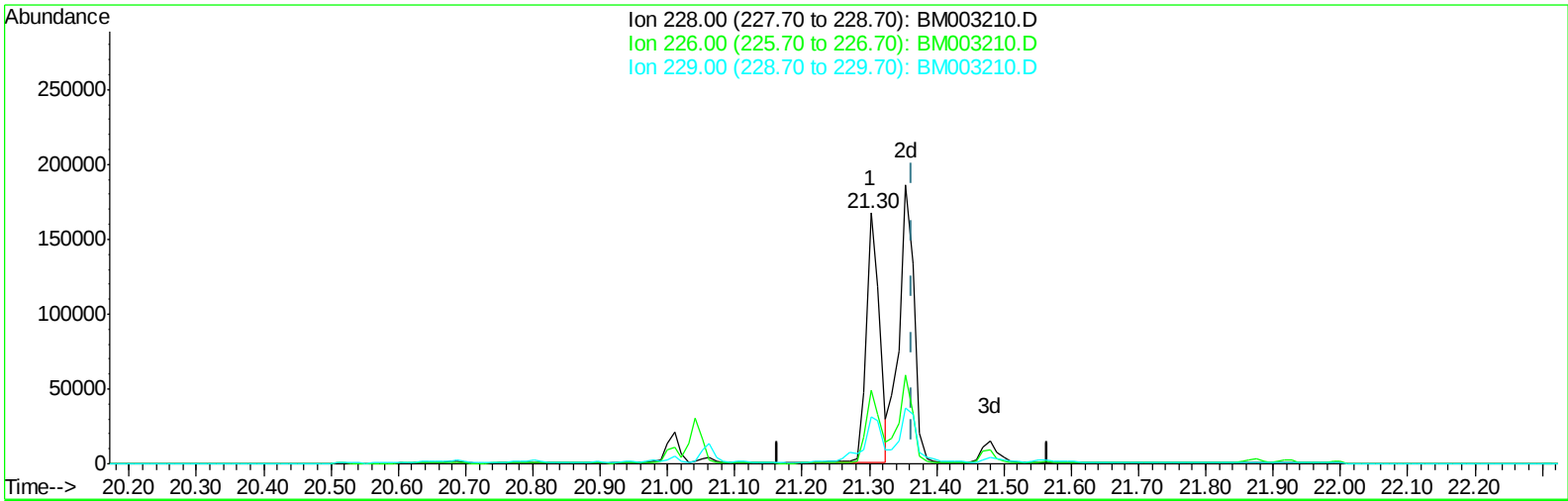
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
Data File : BM003210.D
Acq On : 20 Nov 2015 03:24
Operator : UM/IZ
Sample : G4323-31
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4J60

Manual Integrations
APPROVED

Mmdadoda
11/20/2015 7:00:34 PM

Quant Time: Nov 20 07:54:02 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 03:16:26 2015
Response via : Initial Calibration



TIC: BM003210.D

(21) Chrysene

21.302min (-0.063) 1.35ng/ul

response 230408

Ion	Exp%	Act%
228.00	100	100
226.00	26.50	29.54
229.00	21.30	18.85
0.00	0.00	0.00

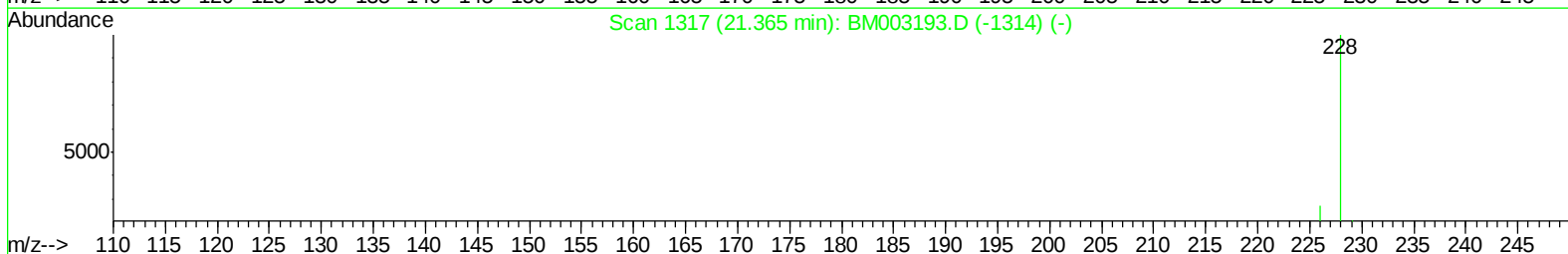
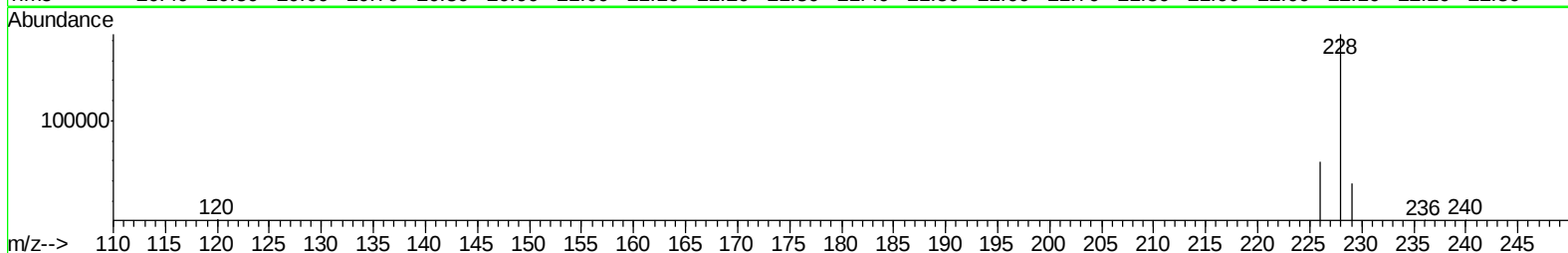
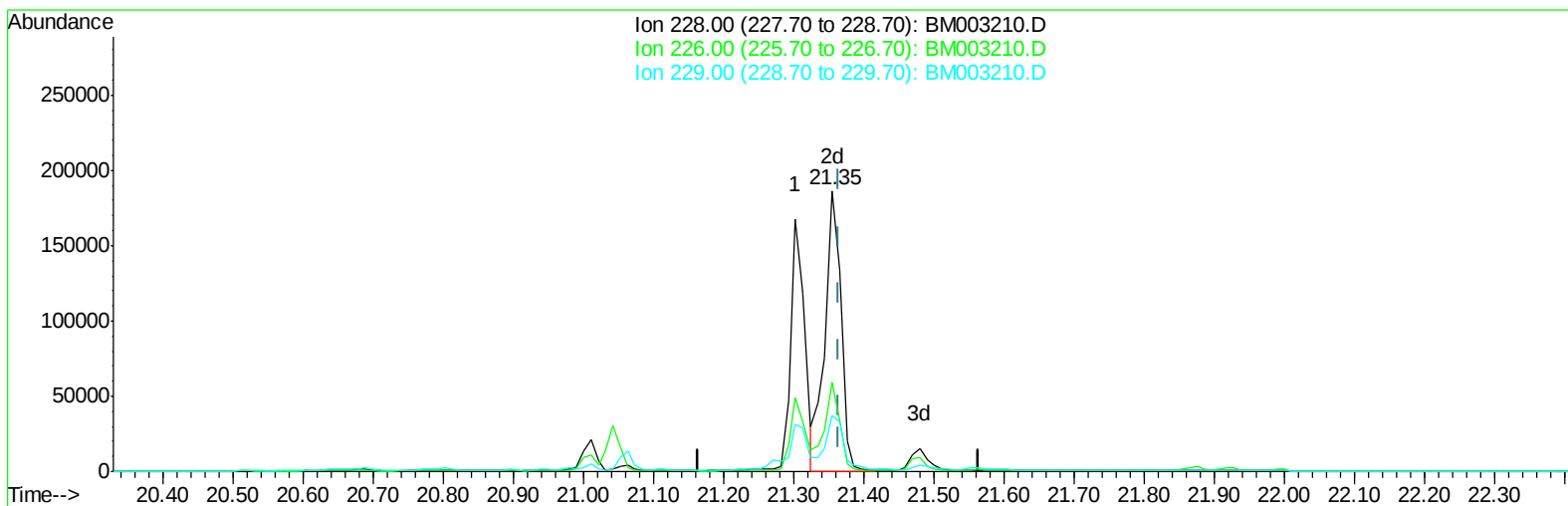
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
Data File : BM003210.D
Acq On : 20 Nov 2015 03:24
Operator : UM/IZ
Sample : G4323-31
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4J60

Manual Integrations
APPROVED

Mmdadoda
11/20/2015 7:00:34 PM

Quant Time: Nov 20 07:54:02 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 03:16:26 2015
Response via : Initial Calibration



TIC: BM003210.D

(21) Chrysene

21.354min (-0.011) 1.71ng/ul m

response 292994

Ion	Exp%	Act%
228.00	100	100
226.00	26.50	31.90#
229.00	21.30	19.81
0.00	0.00	0.00

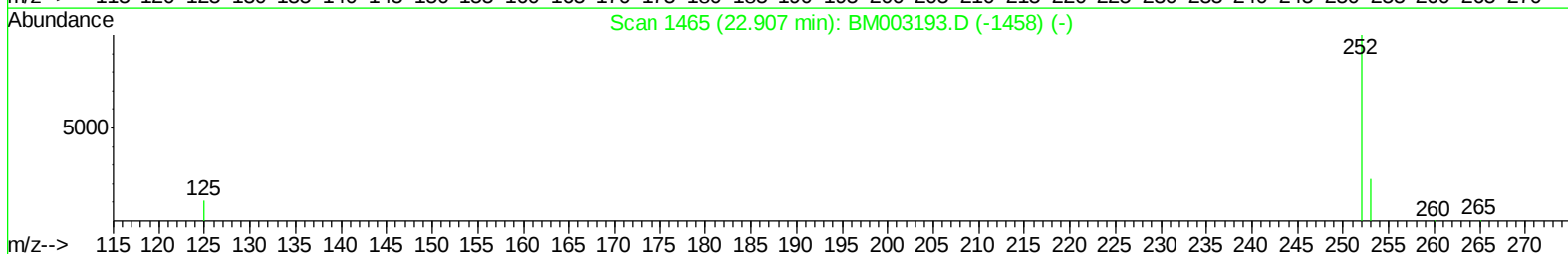
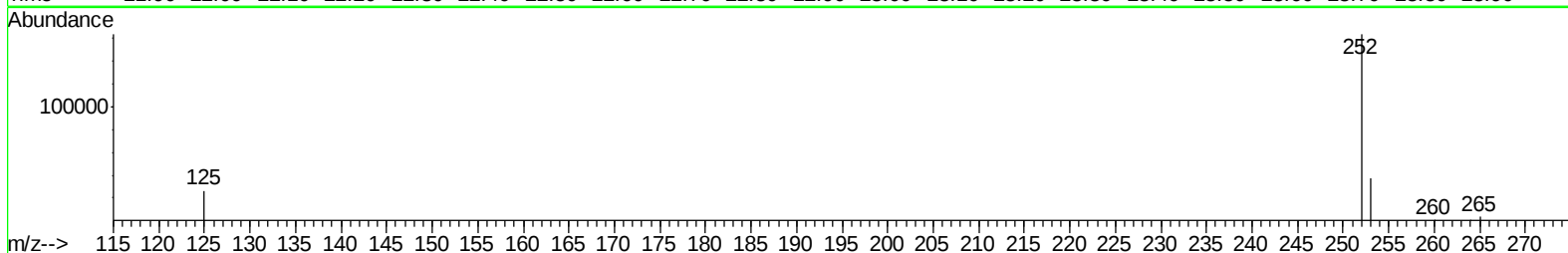
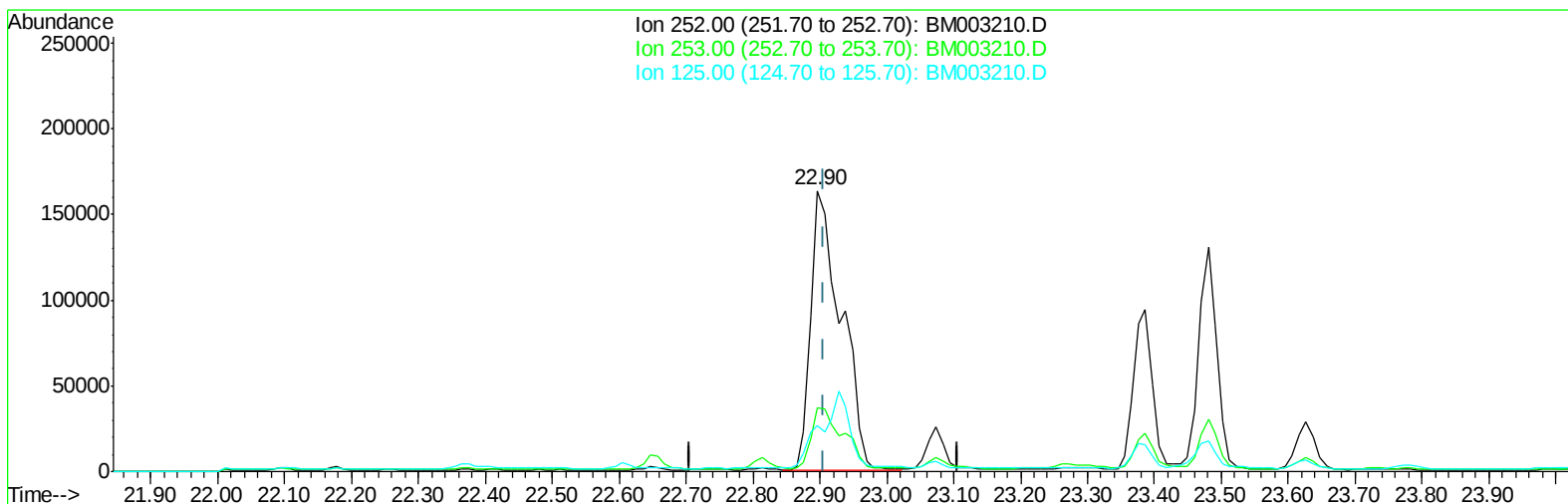
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
Data File : BM003210.D
Acq On : 20 Nov 2015 03:24
Operator : UM/IZ
Sample : G4323-31
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4J60

Manual Integrations
APPROVED

Mmdadoda
11/20/2015 7:00:34 PM

Quant Time: Nov 20 07:54:02 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 03:16:26 2015
Response via : Initial Calibration



TIC: BM003210.D

(23) Benzo(b)fluoranthene
22.897min (-0.011) 2.52ng/ul
response 509965

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	22.58
125.00	14.40	16.23
0.00	0.00	0.00

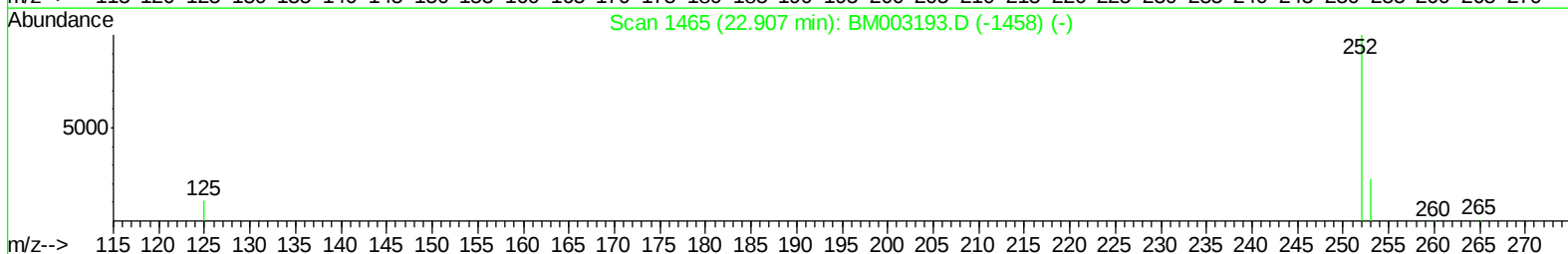
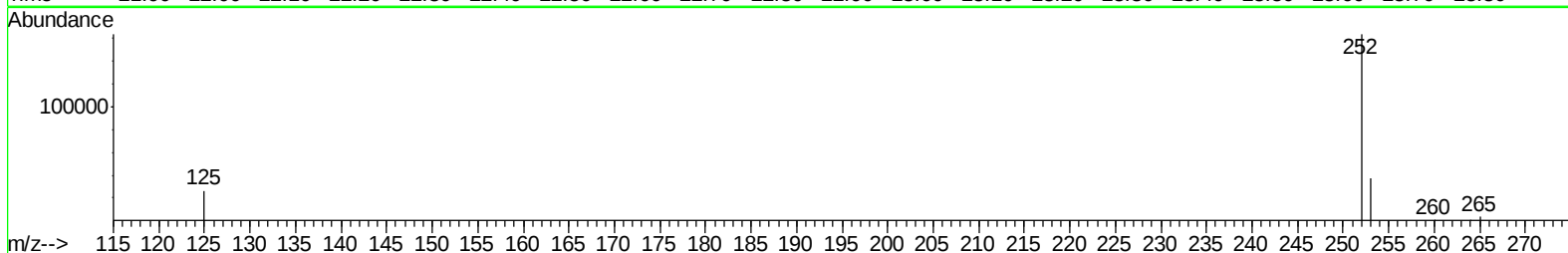
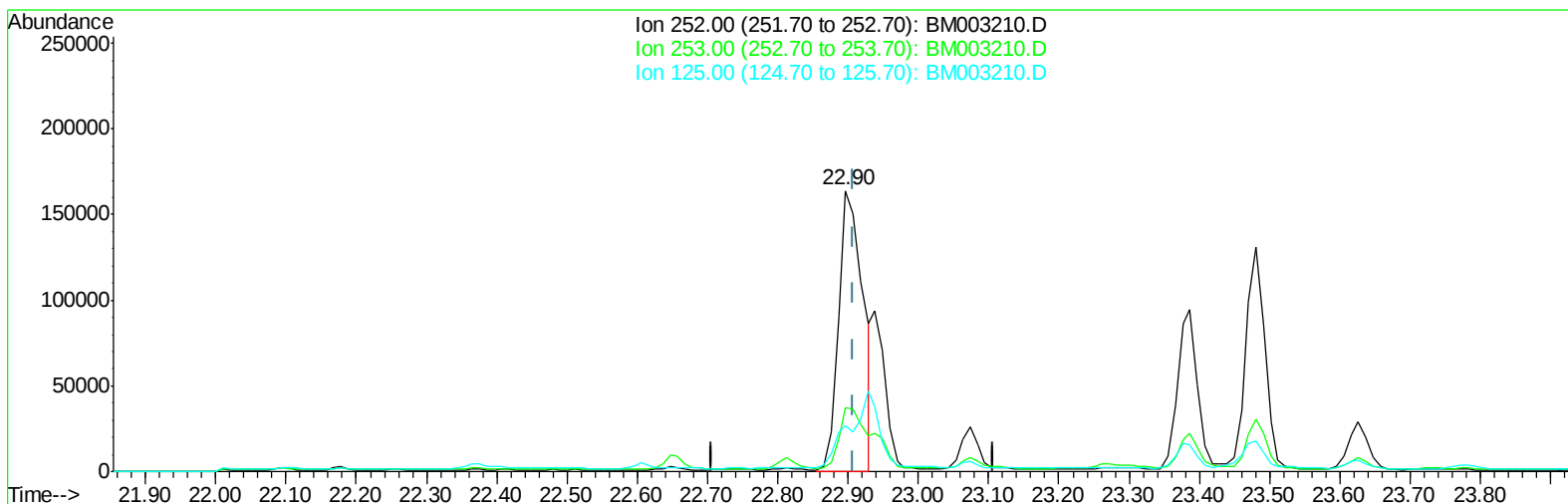
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
Data File : BM003210.D
Acq On : 20 Nov 2015 03:24
Operator : UM/IZ
Sample : G4323-31
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4J60

Manual Integrations
APPROVED

Mmdadoda
11/20/2015 7:00:34 PM

Quant Time: Nov 20 07:54:02 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 03:16:26 2015
Response via : Initial Calibration



TIC: BM003210.D

(23) Benzo(b)fluoranthene

22.897min (-0.011) 1.94ng/ul m

response 392897

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	22.58
125.00	14.40	16.23
0.00	0.00	0.00

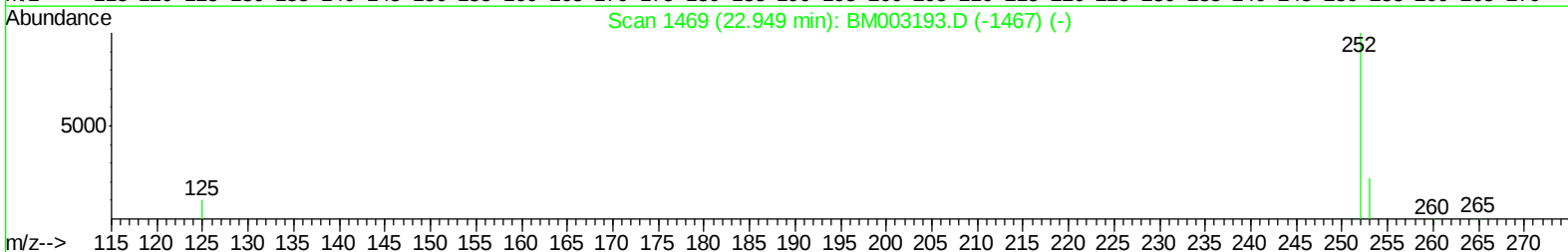
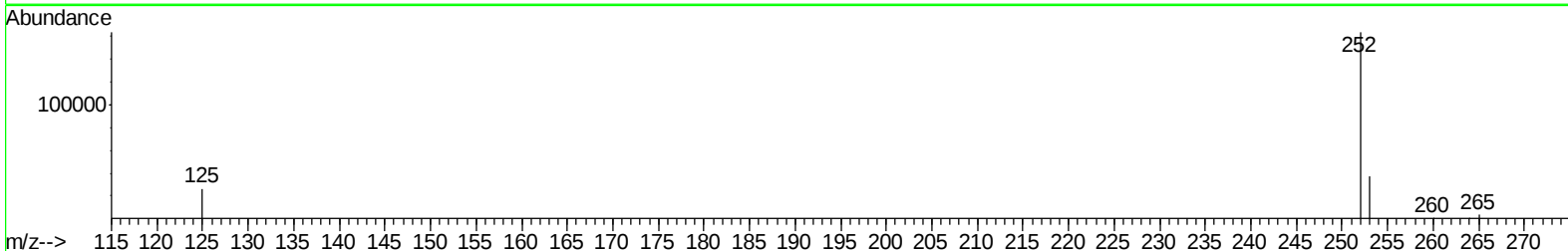
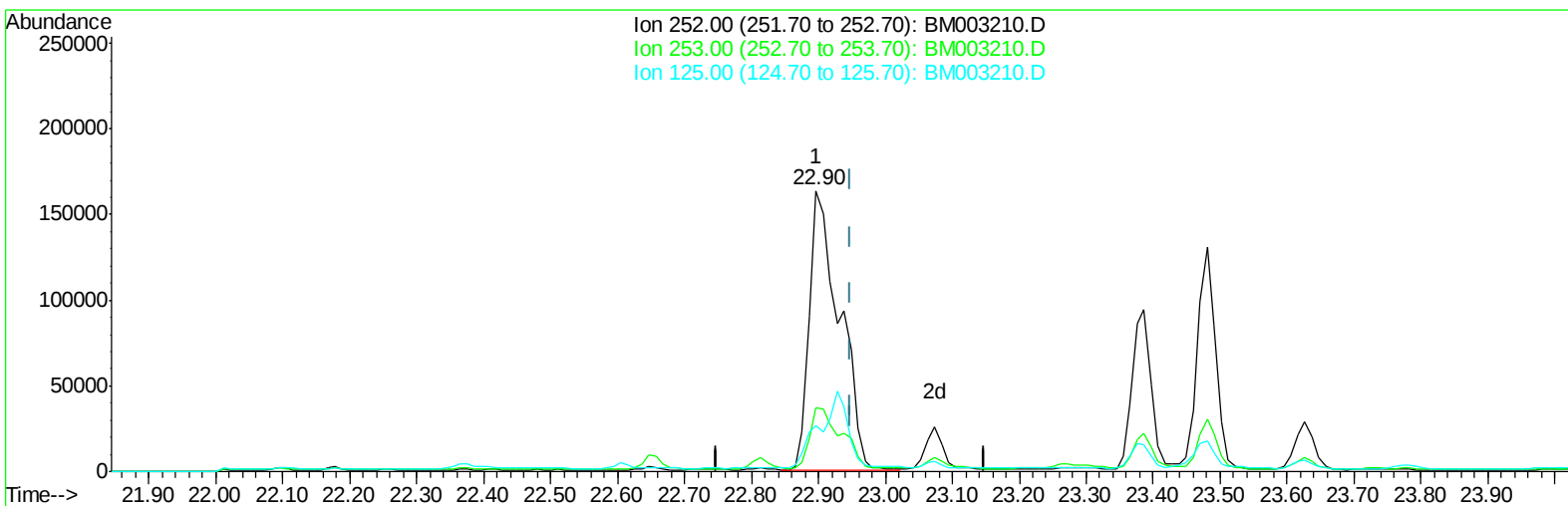
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
Data File : BM003210.D
Acq On : 20 Nov 2015 03:24
Operator : UM/IZ
Sample : G4323-31
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4J60

Manual Integrations
APPROVED

Mmdadoda
11/20/2015 7:00:34 PM

Quant Time: Nov 20 07:54:02 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 03:16:26 2015
Response via : Initial Calibration



TIC: BM003210.D

(24) Benzo(k)fluoranthene
22.897min (-0.052) 2.67ng/ul
response 509965

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	22.58
125.00	13.00	16.23#
0.00	0.00	0.00

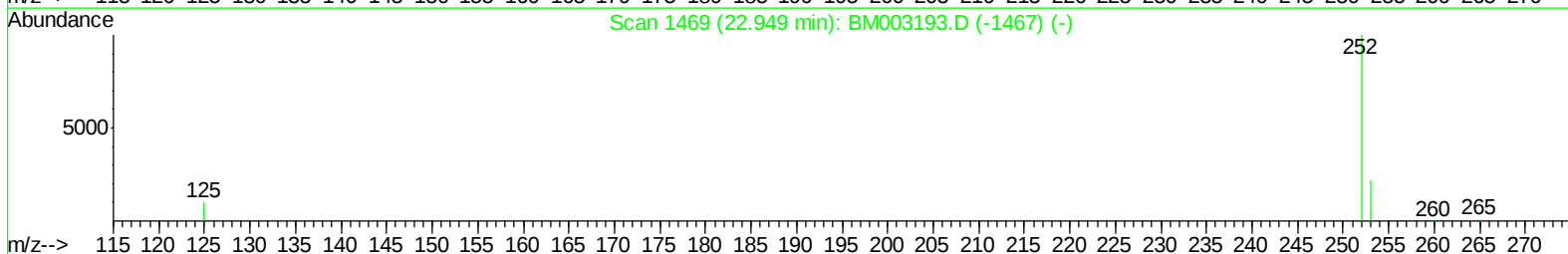
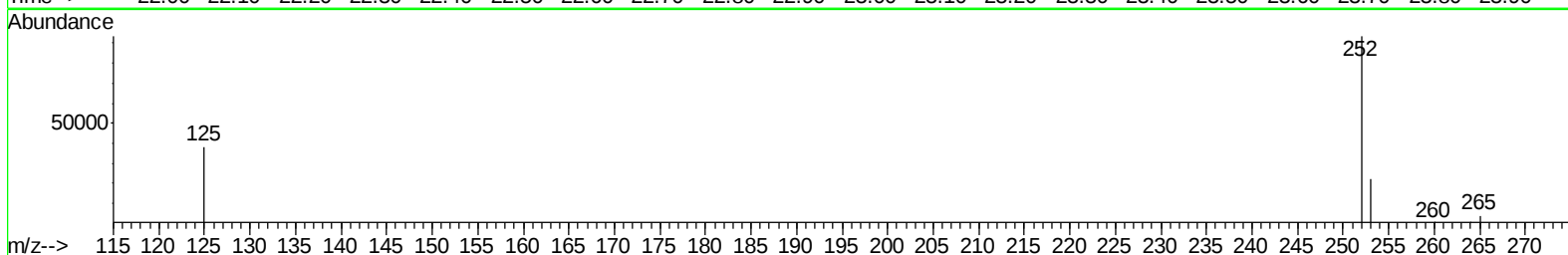
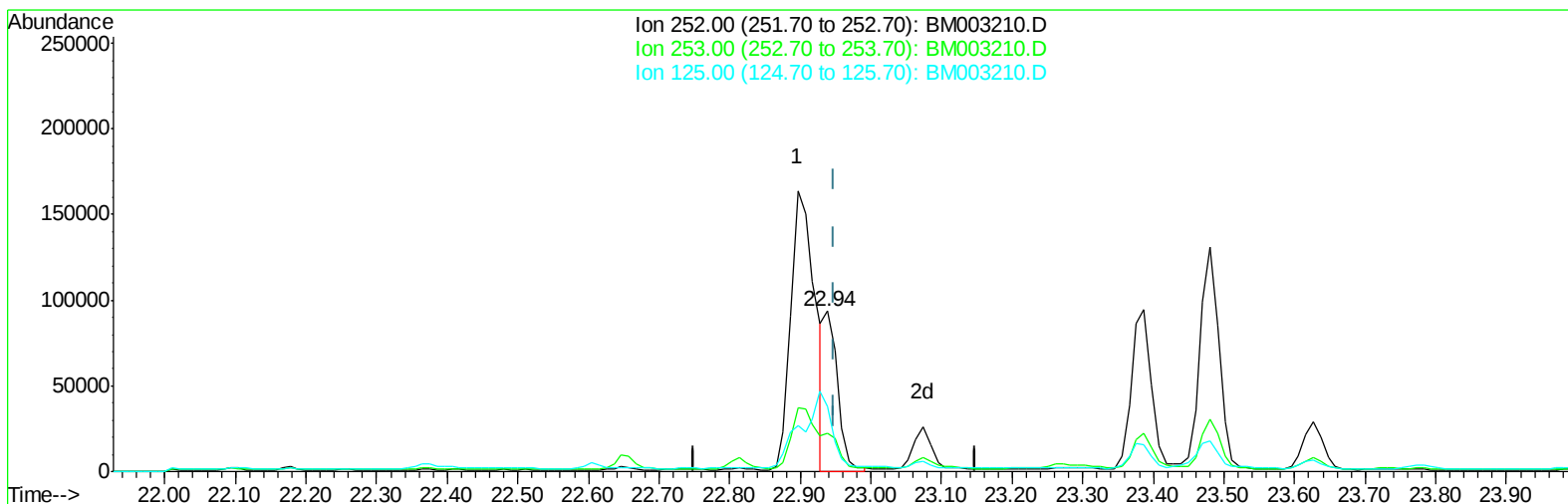
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
Data File : BM003210.D
Acq On : 20 Nov 2015 03:24
Operator : UM/IZ
Sample : G4323-31
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4J60

Manual Integrations
APPROVED

Mmdadoda
11/20/2015 7:00:34 PM

Quant Time: Nov 20 07:54:02 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 03:16:26 2015
Response via : Initial Calibration



TIC: BM003210.D

(24) Benzo(k)fluoranthene

22.938min (-0.011) 0.65ng/ul m

response 124772

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	23.74
125.00	13.00	40.77#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
 Data File : BM003210.D
 Acq On : 20 Nov 2015 03:24
 Operator : UM/IZ
 Sample : G4323-31
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4J60

Manual Integrations
 APPROVED

Mmdadoda
 11/20/2015 7:00:34 PM

Quant Time: Nov 20 07:55:38 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 03:16:26 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	14870	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	58920	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	28572	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	54909m	0.40	ng/ul	0.00
18) Chrysene-d12	21.32	240	52377	0.40	ng/ul	-0.01
22) Perylene-d12	23.58	264	53154	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	49612	3.12	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	13322	0.17	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	20398	0.15	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	10.58	128	12994	0.09	ng/ul	96
7) 2-Methylnaphthalene	12.19	142	4804	0.05	ng/ul#	100
9) Acenaphthylene	14.09	152	24618	0.21	ng/ul	98
10) Acenaphthene	14.45	153	7942	0.08	ng/ul	97
11) Fluorene	15.44	166	10769m	0.10	ng/ul	
13) Pentachlorophenol	16.78	266	1354	0.10	ng/ul#	19
14) Phenanthrene	17.17	178	266832m	1.67	ng/ul	
15) Anthracene	17.26	178	41705	0.31	ng/ul	98
17) Fluoranthene	19.19	202	579250	3.28	ng/ul	99
19) Pyrene	19.55	202	520358	2.90	ng/ul	99
20) Benzo(a)anthracene	21.30	228	231430	1.52	ng/ul#	91
21) Chrysene	21.35	228	292994m	1.71	ng/ul	
23) Benzo(b)fluoranthene	22.90	252	392897m	1.94	ng/ul	
24) Benzo(k)fluoranthene	22.94	252	124772m	0.65	ng/ul	
25) Benzo(a)pyrene	23.48	252	244996	1.36	ng/ul	97
26) Indeno(1,2,3-cd)pyrene	25.86	276	179421	0.84	ng/ul#	100
27) Dibenzo(a,h)anthracene	25.87	278	41949	0.24	ng/ul#	85
28) Benzo(a,h,i)perylene	26.56	276	168253	0.89	ng/ul	98

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

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
Data File : BM003210.D
Acq On : 20 Nov 2015 03:24
Operator : UM/IZ
Sample : G4323-31
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4J60

Manual Integrations
APPROVED

Mmdadoda
11/20/2015 7:00:34 PM

Quant Time: Nov 20 07:55:38 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 03:16:26 2015
Response via : Initial Calibration

