

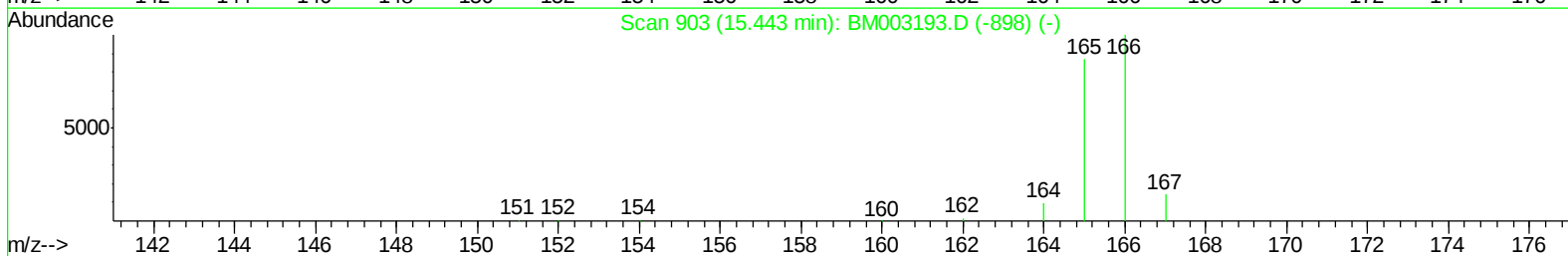
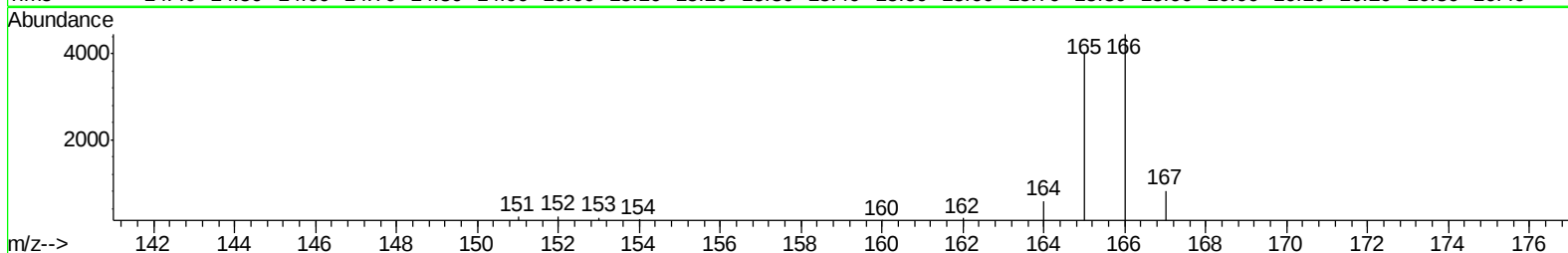
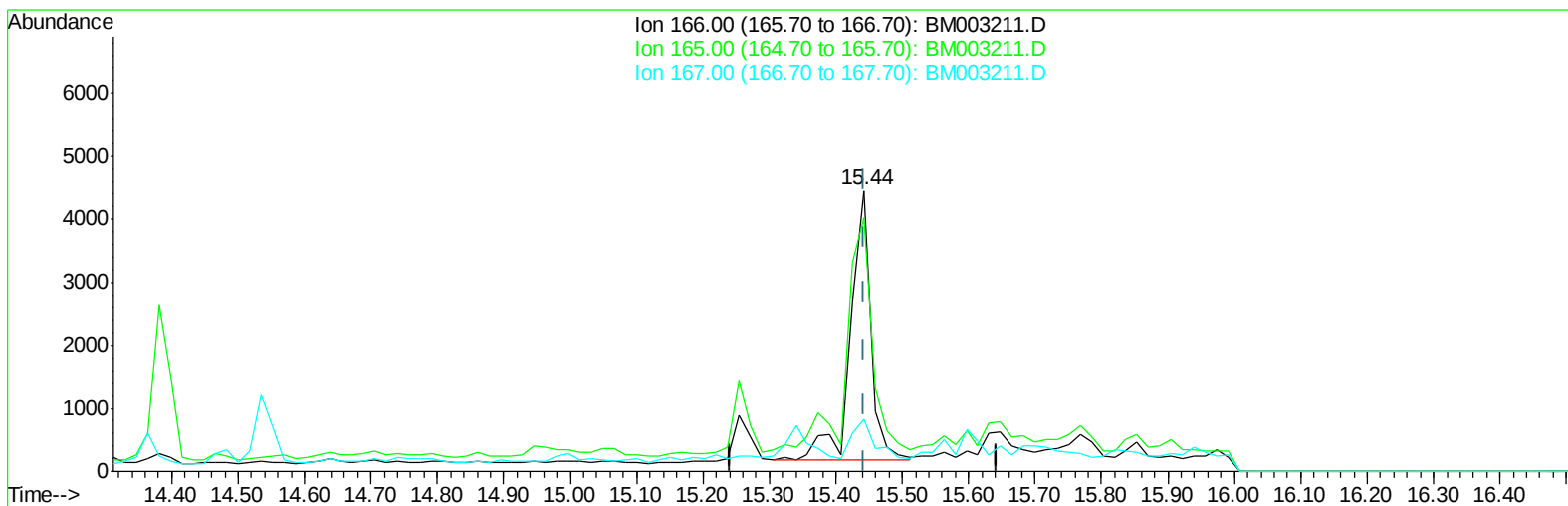
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
Data File : BM003211.D
Acq On : 20 Nov 2015 04:01
Operator : UM/IZ
Sample : G4323-32MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4J60MS

Manual Integrations
APPROVED

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

Quant Time: Nov 20 07:50:26 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: BM003211.D

(11) Fluorene

15.443min (-0.000) 0.07ng/ul

response 9095

Ion	Exp%	Act%
166.00	100	100
165.00	87.00	90.54
167.00	14.90	18.46#
0.00	0.00	0.00

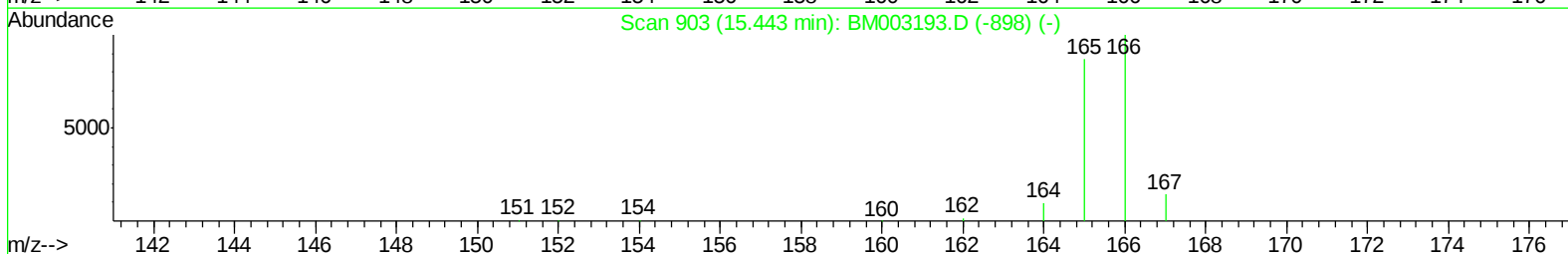
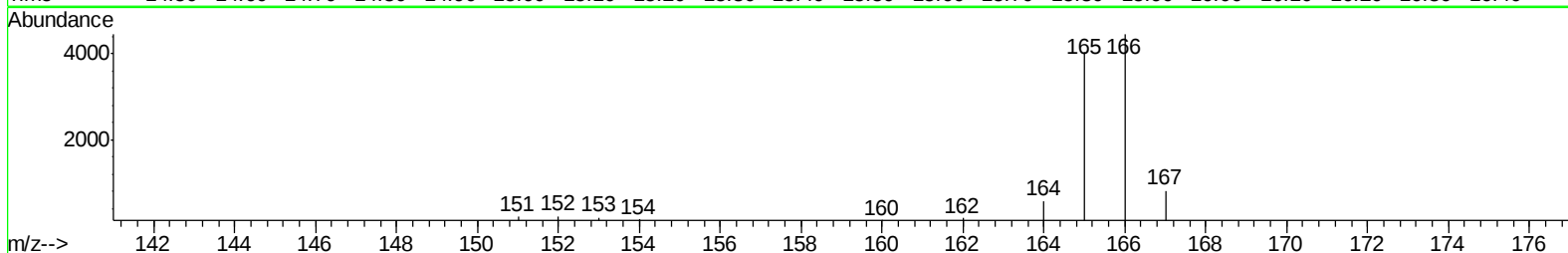
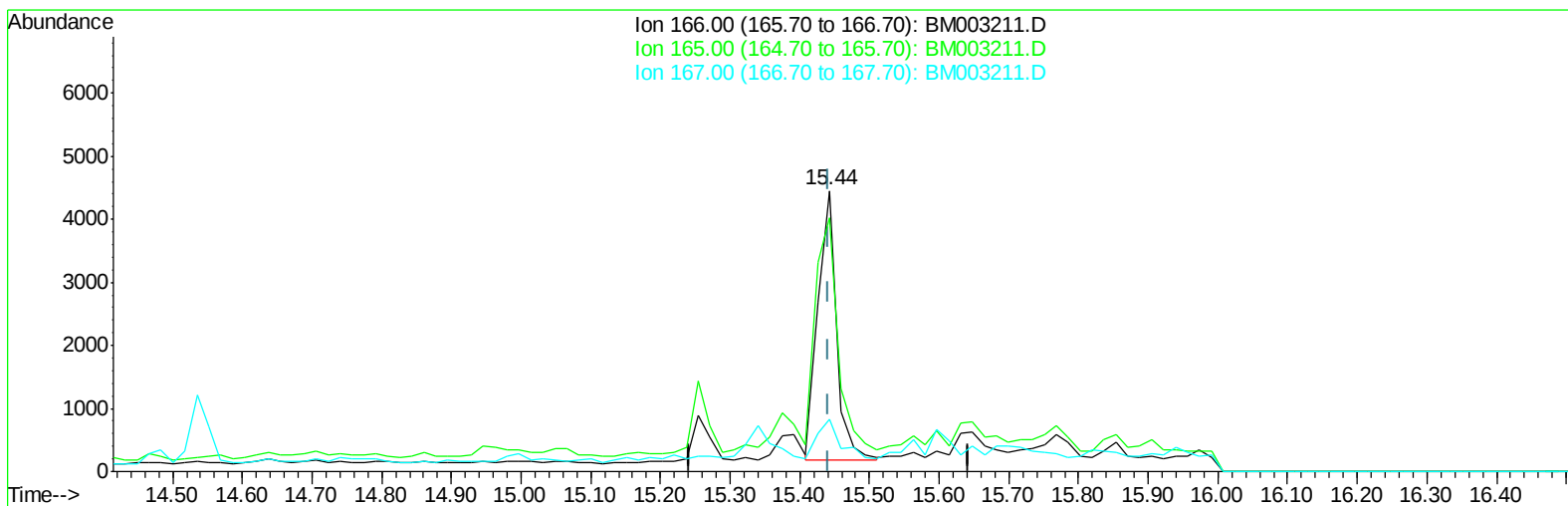
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Data File : BM003211.D
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Operator : UM/IZ
Sample : G4323-32MS
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Instrument :
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Manual Integrations
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TIC: BM003211.D

(11) Fluorene

15.443min (-0.000) 0.07ng/ul m

response 8091

Ion	Exp%	Act%
166.00	100	100
165.00	87.00	90.54
167.00	14.90	18.46#
0.00	0.00	0.00

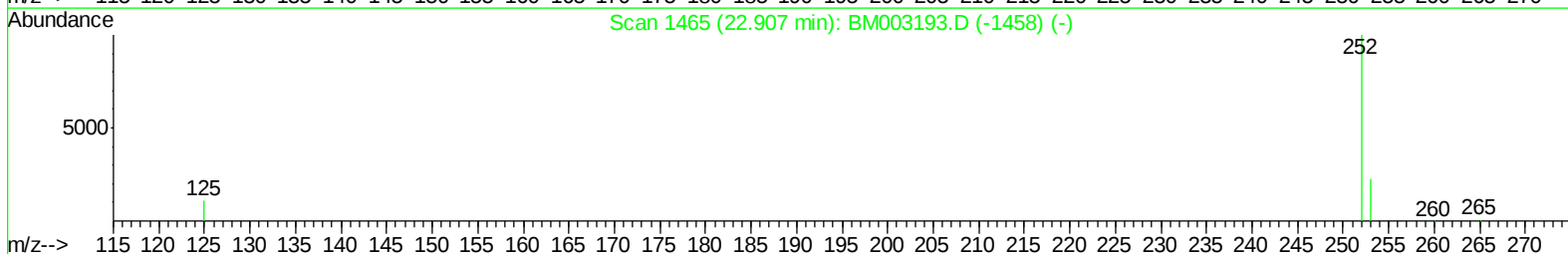
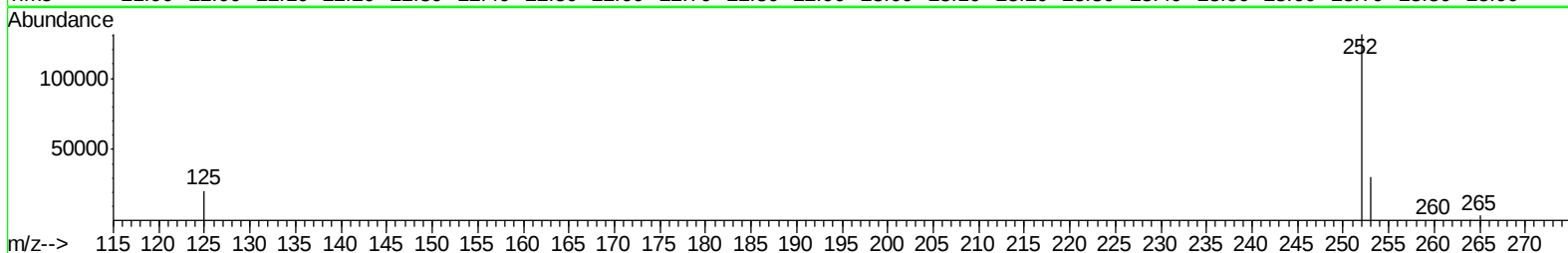
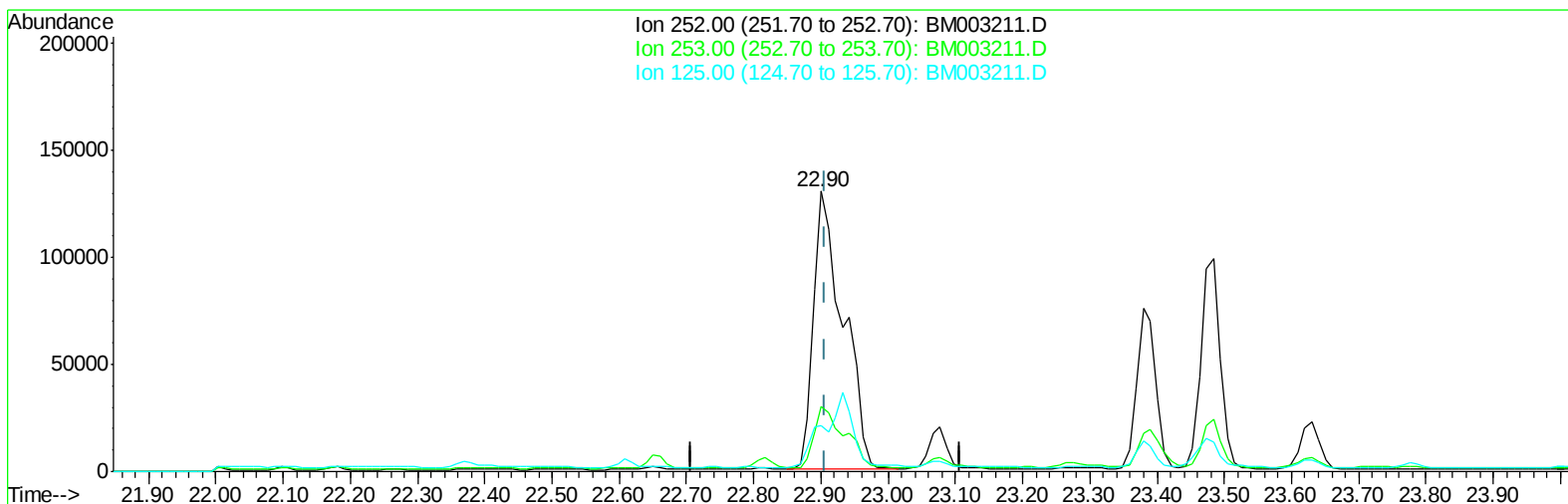
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Data File : BM003211.D
Acq On : 20 Nov 2015 04:01
Operator : UM/IZ
Sample : G4323-32MS
Misc :
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Instrument :
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Manual Integrations
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TIC: BM003211.D

(23) Benzo(b)fluoranthene

22.900min (-0.007) 1.42ng/ul

response 398095

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	23.21
125.00	14.40	16.30
0.00	0.00	0.00

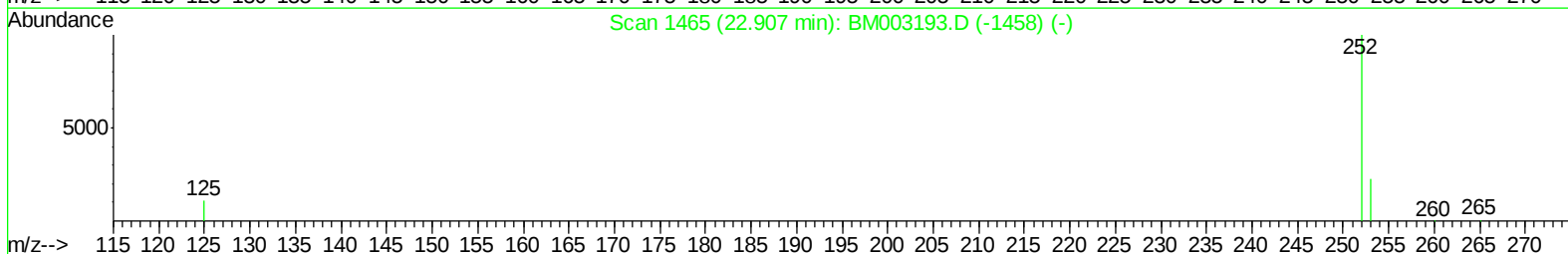
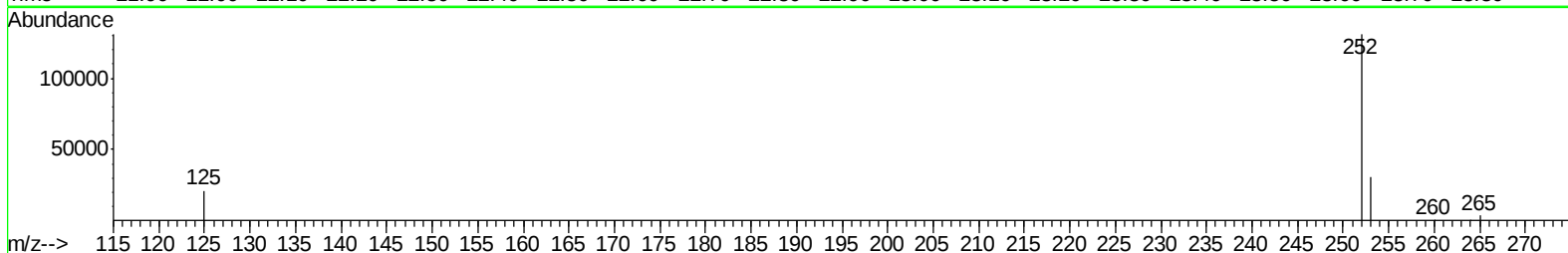
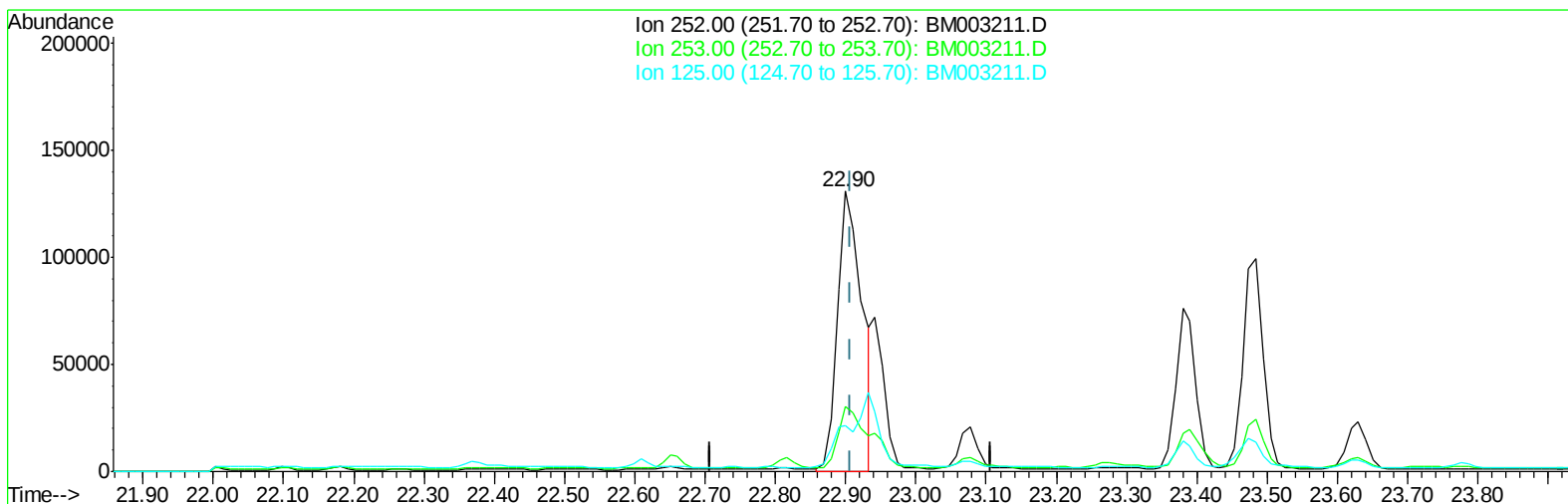
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Data File : BM003211.D
Acq On : 20 Nov 2015 04:01
Operator : UM/IZ
Sample : G4323-32MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
APPROVED

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Quant Time: Nov 20 07:50:26 2015
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TIC: BM003211.D

(23) Benzo(b)fluoranthene

22.900min (-0.007) 1.12ng/ul m

response 315040

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	23.21
125.00	14.40	16.30
0.00	0.00	0.00

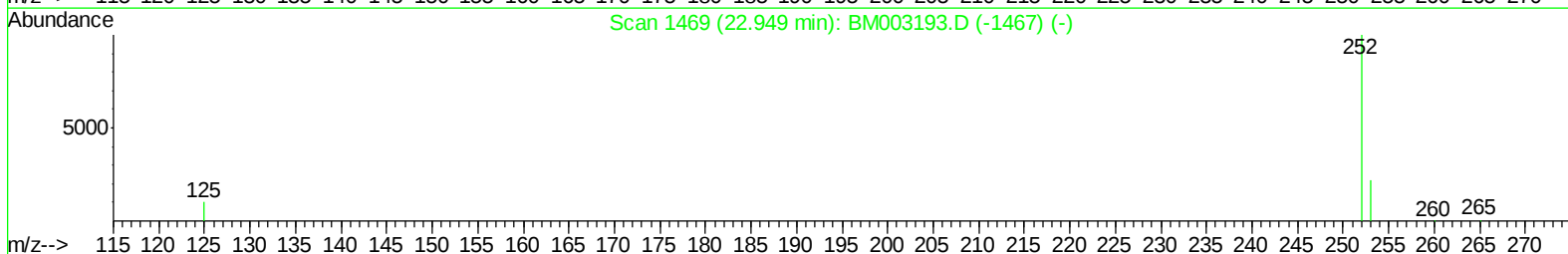
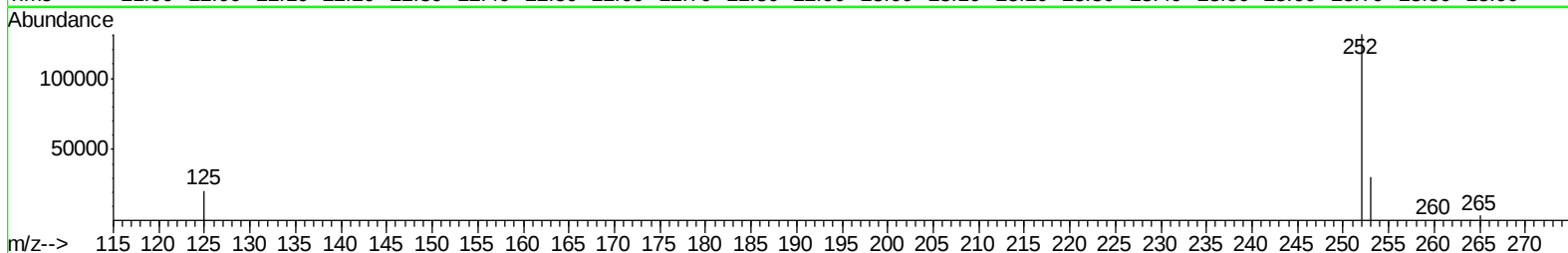
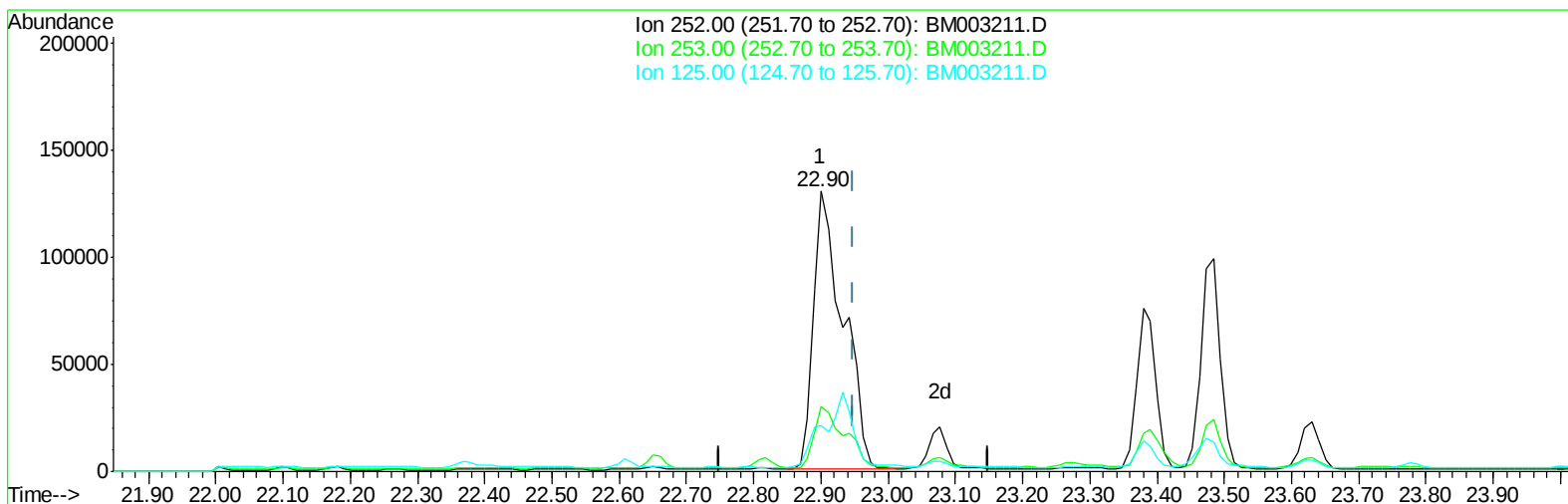
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Operator : UM/IZ
Sample : G4323-32MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4J60MS

Manual Integrations
APPROVED

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 03:16:26 2015
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TIC: BM003211.D

(24) Benzo(k)fluoranthene

22.900min (-0.049) 1.50ng/ul

response 398095

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	23.21
125.00	13.00	16.30#
0.00	0.00	0.00

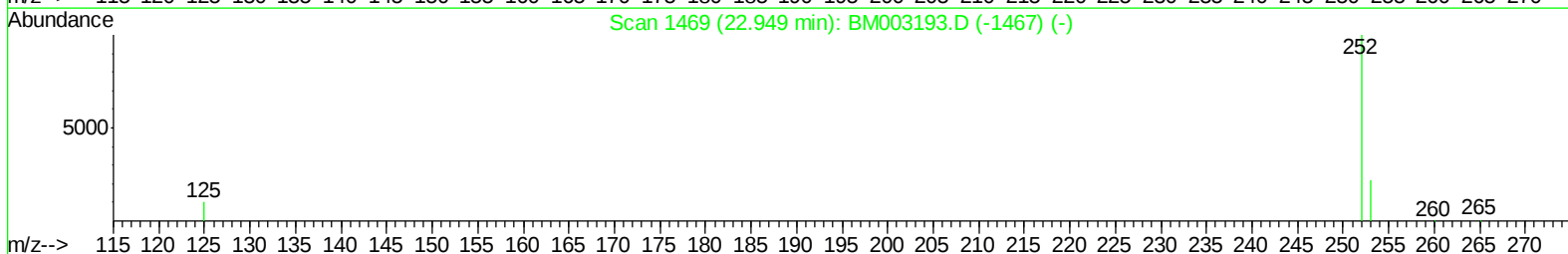
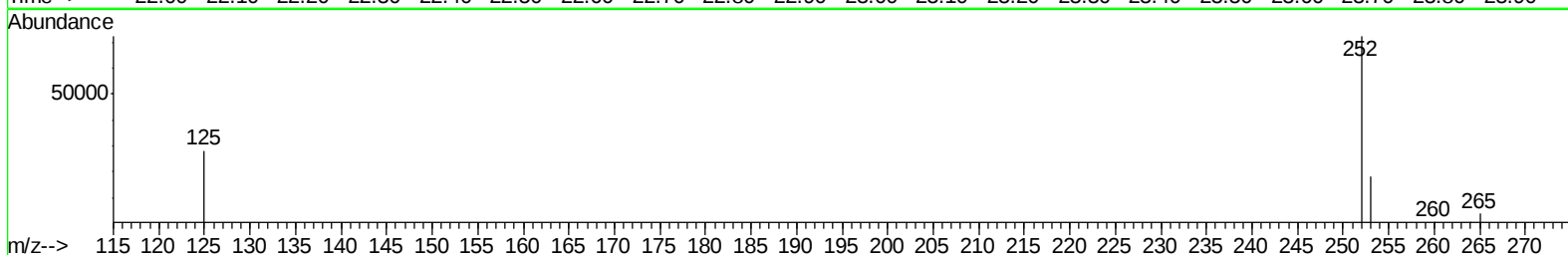
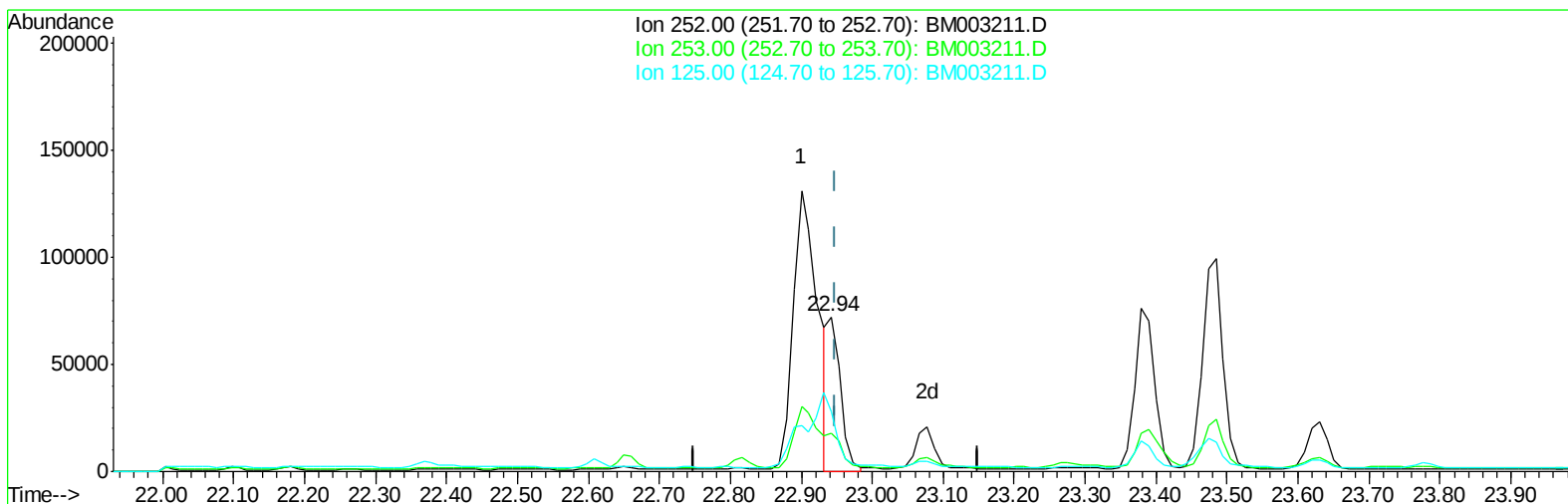
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
Data File : BM003211.D
Acq On : 20 Nov 2015 04:01
Operator : UM/IZ
Sample : G4323-32MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4J60MS

Manual Integrations
APPROVED

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

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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
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QLast Update : Fri Nov 20 03:16:26 2015
Response via : Initial Calibration



TIC: BM003211.D

(24) Benzo(k)fluoranthene

22.942min (-0.007) 0.34ng/ul m

response 89857

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	24.84
125.00	13.00	38.90#
0.00	0.00	0.00

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 Operator : UM/IZ
 Sample : G4323-32MS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Manual Integrations
 APPROVED

Mmdadoda
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Quant Time: Nov 20 08:02:16 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	17833	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	66339	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	32642	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	71132	0.40	ng/ul	0.00
18) Chrysene-d12	21.33	240	73706	0.40	ng/ul	0.00
22) Perylene-d12	23.59	264	73856	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	0.00	96	0d	0.00	ng/uL	
6) 2-Methylnaphthalene-d10	12.12	152	15122	0.17	ng/ul	0.00
16) Fluoranthene-d10	19.16	212	33722	0.19	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	10.58	128	8016	0.05	ng/ul#	93
7) 2-Methylnaphthalene	12.19	142	2801	0.03	ng/ul#	100
9) Acenaphthylene	14.09	152	18874	0.14	ng/ul	97
10) Acenaphthene	14.45	153	5666	0.05	ng/ul	96
11) Fluorene	15.44	166	8091m	0.07	ng/ul	
13) Pentachlorophenol	16.78	266	5053	0.30	ng/ul#	18
14) Phenanthrene	17.17	178	192879	0.93	ng/ul	100
15) Anthracene	17.26	178	35626	0.21	ng/ul	99
17) Fluoranthene	19.20	202	440564	1.92	ng/ul	94
19) Pyrene	19.56	202	409980	1.62	ng/ul	95
20) Benzo(a)anthracene	21.31	228	188155	0.88	ng/ul#	93
21) Chrysene	21.36	228	222082	0.92	ng/ul	95
23) Benzo(b)fluoranthene	22.90	252	315040m	1.12	ng/ul	
24) Benzo(k)fluoranthene	22.94	252	89857m	0.34	ng/ul	
25) Benzo(a)pyrene	23.48	252	195959	0.78	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	25.86	276	141334	0.47	ng/ul#	100
27) Dibenzo(a,h)anthracene	25.87	278	32490	0.14	ng/ul#	81
28) Benzo(a,h,i)perylene	26.56	276	134527	0.51	ng/ul	98

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

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