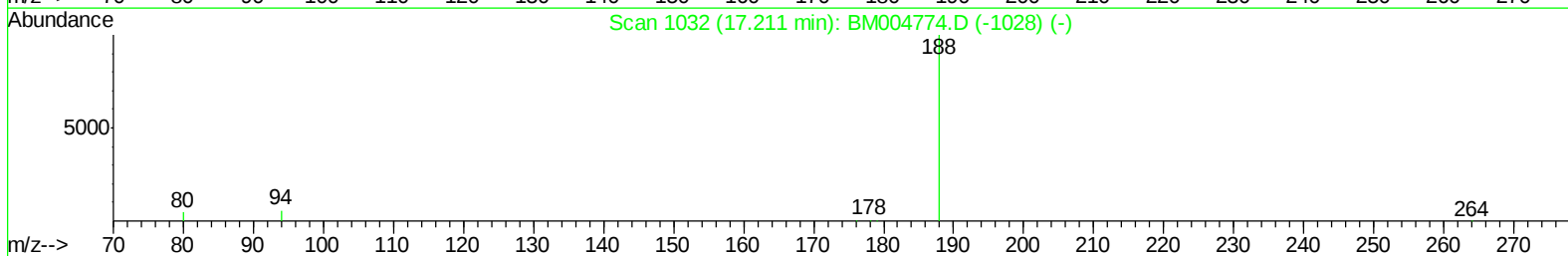
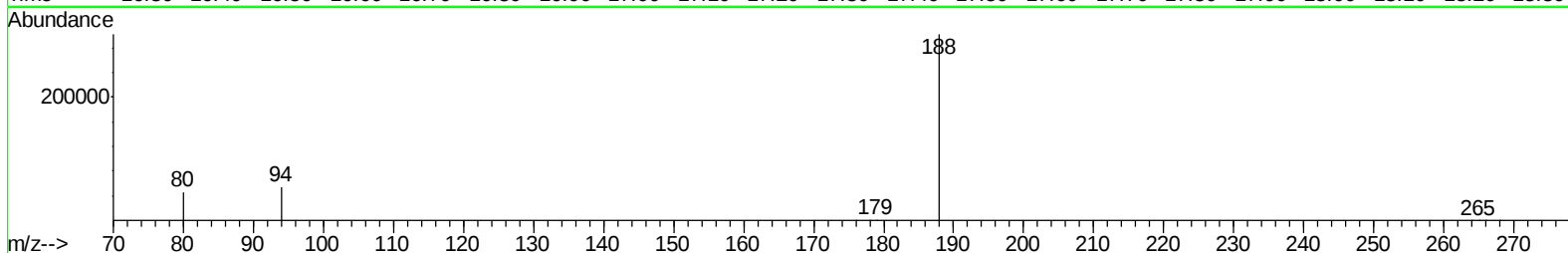
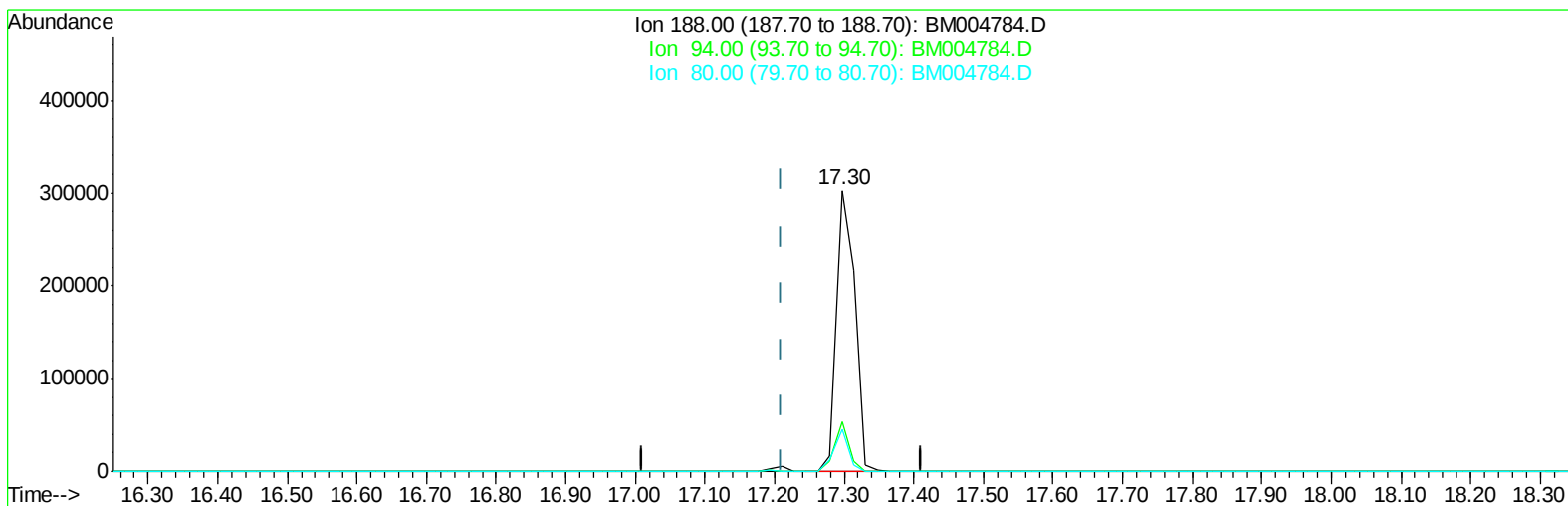


Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004784.D
Acq On : 25 Mar 2016 19:06
Operator : UM/SJ
Sample : H1909-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 05 19:10:47 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 18:29:16 2016
Response via : Initial Calibration



TIC: BM004784.D

(12) Phenanthrene-d10 (I)

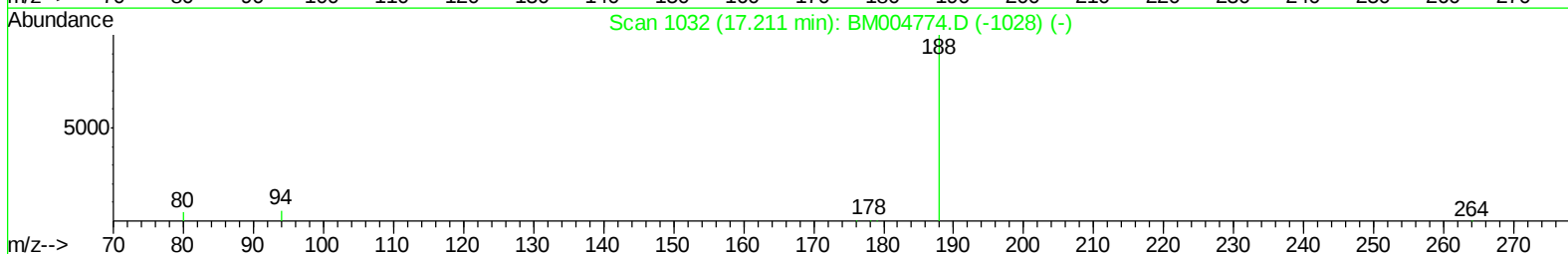
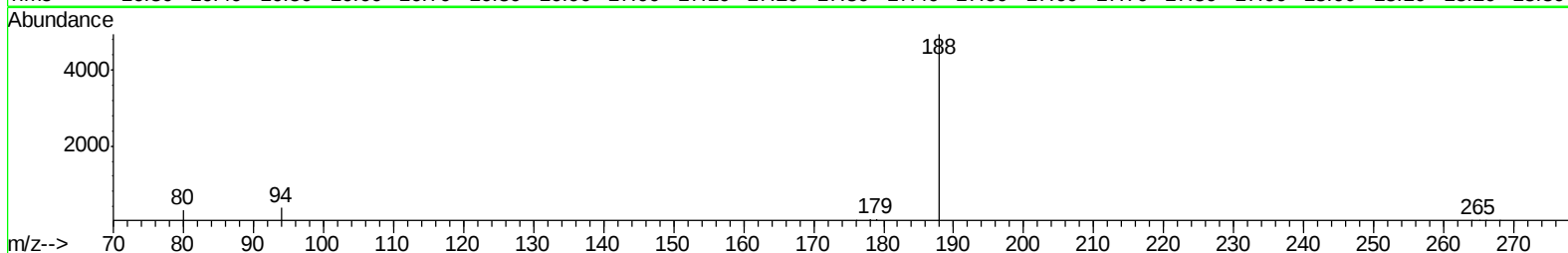
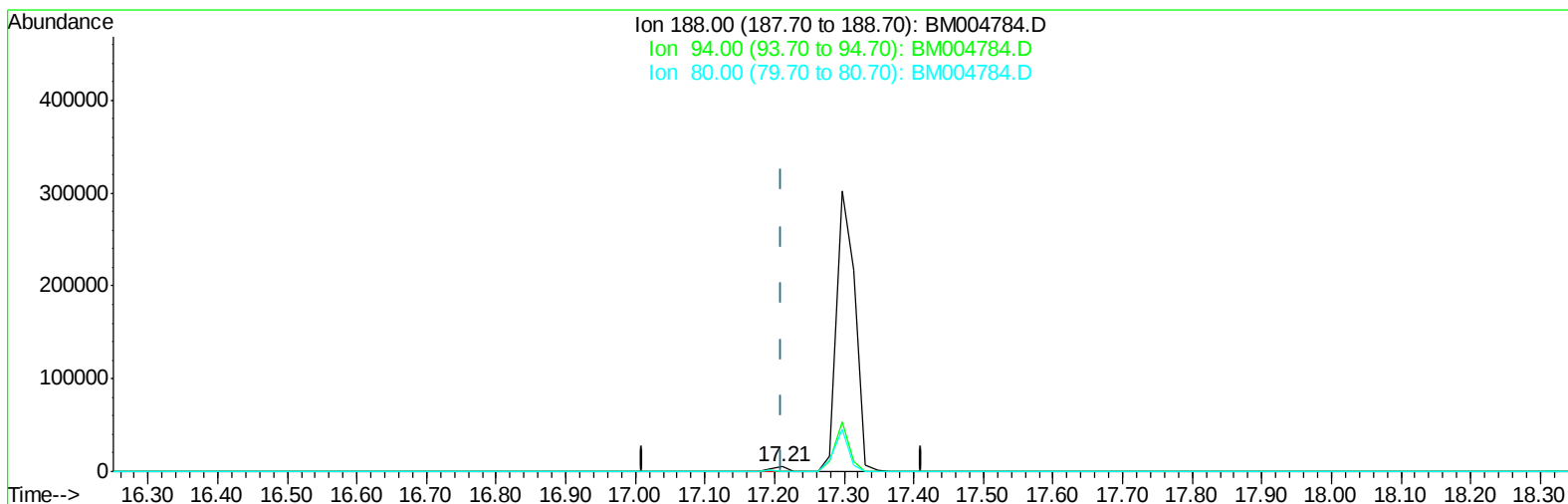
17.296min (+0.085) 0.40ng/ul

response 558331

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	17.91#
80.00	11.90	15.22#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004784.D
Acq On : 25 Mar 2016 19:06
Operator : UM/SJ
Sample : H1909-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 05 19:10:47 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 18:29:16 2016
Response via : Initial Calibration



TIC: BM004784.D

(12) Phenanthrene-d10 (I)

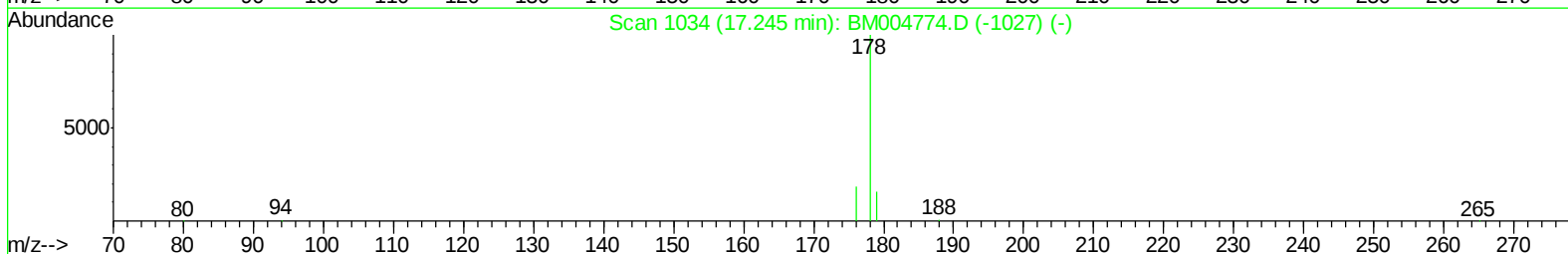
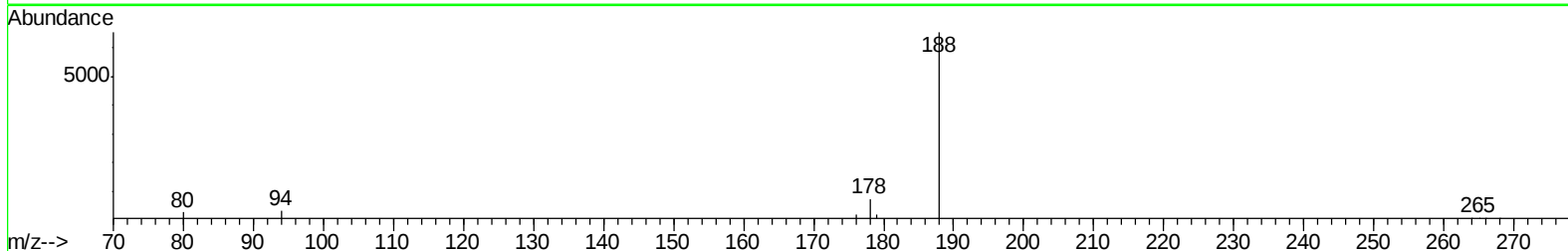
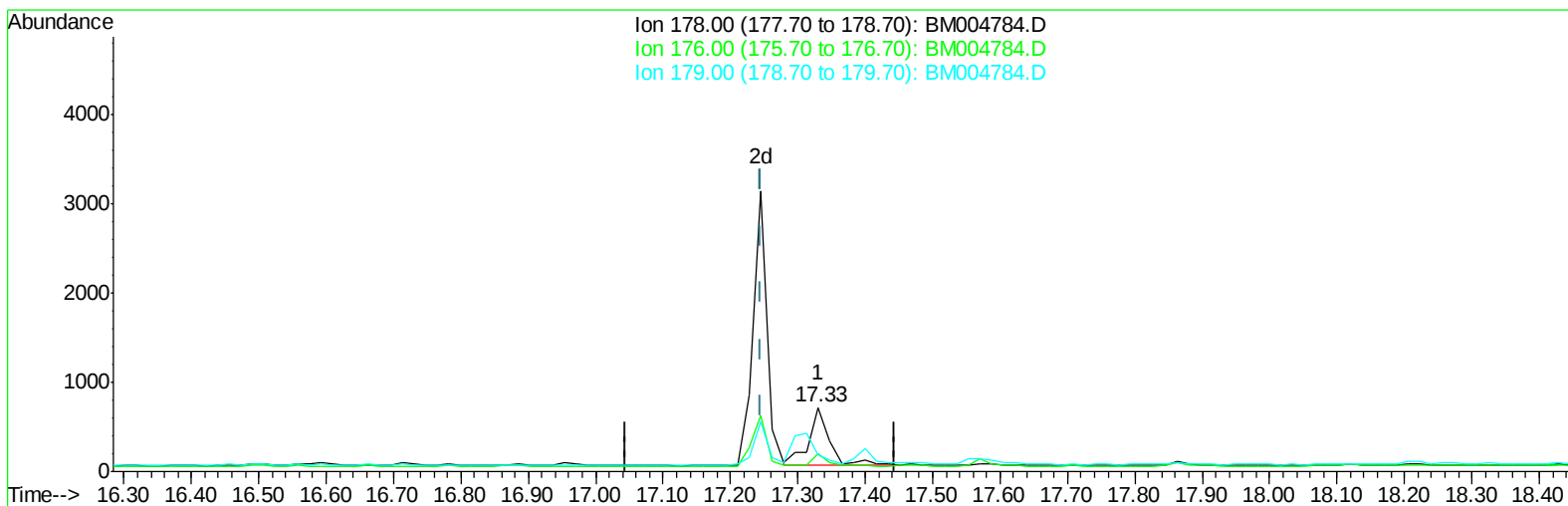
17.210min (-0.000) 0.40ng/ul m

response 9065

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	7.46#
80.00	11.90	6.75#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004784.D
Acq On : 25 Mar 2016 19:06
Operator : UM/SJ
Sample : H1909-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 05 19:11:19 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 18:29:16 2016
Response via : Initial Calibration



TIC: BM004784.D

(14) Phenanthrene

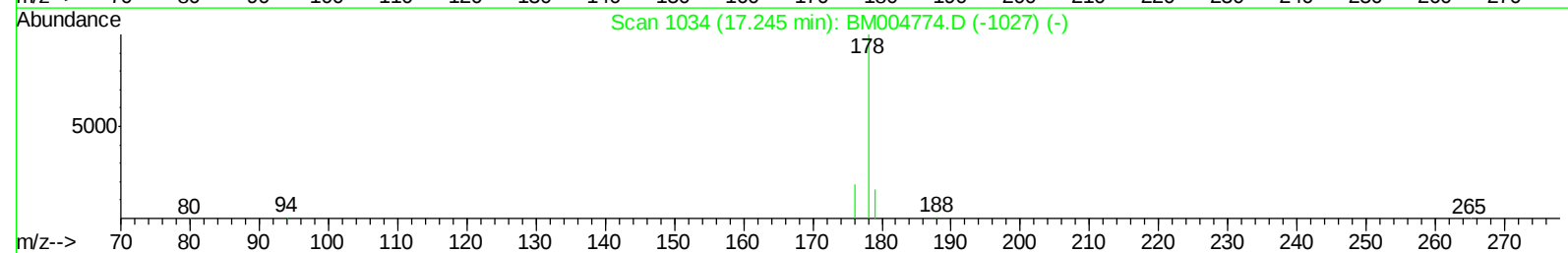
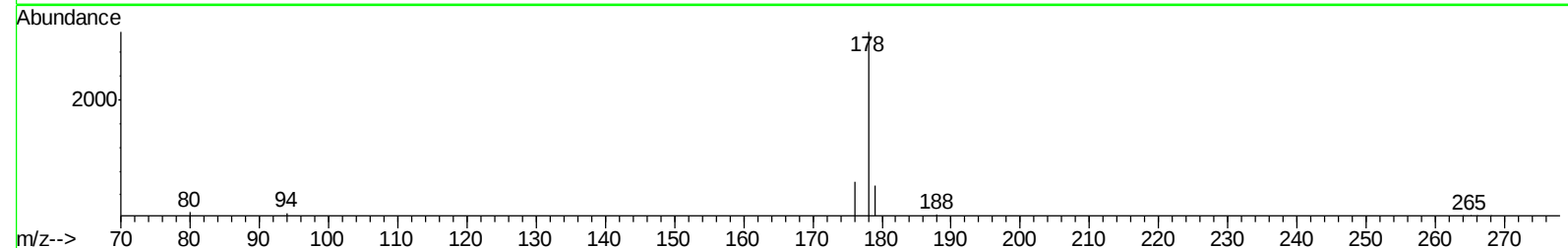
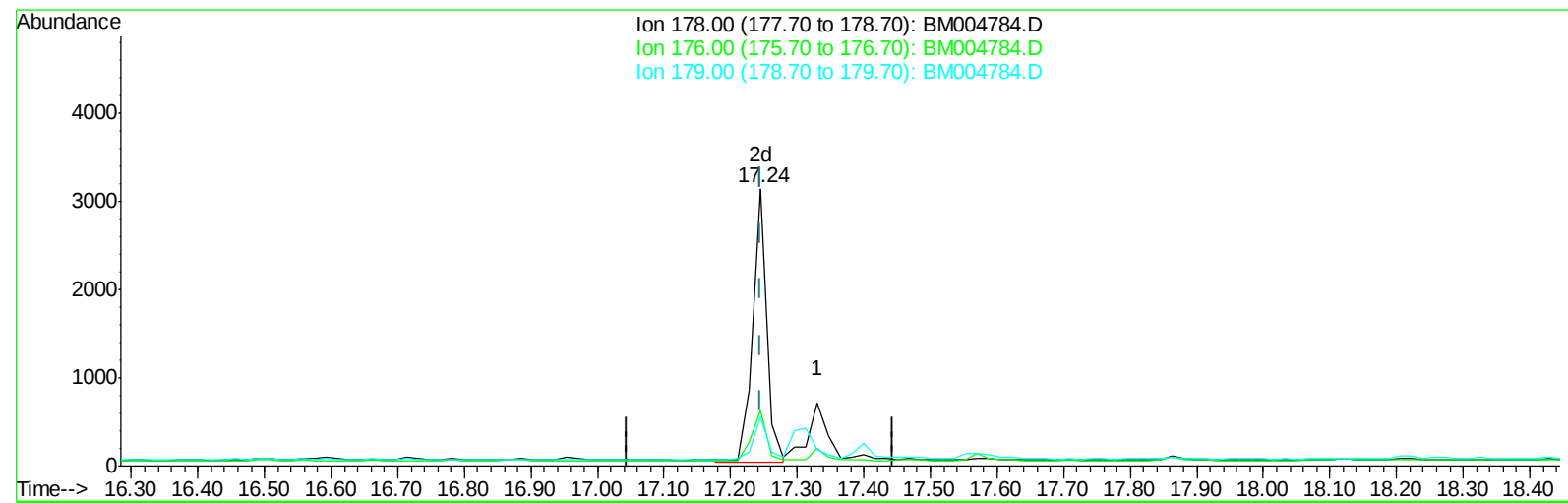
17.331min (+0.085) 0.05ng/ul

response 1358

Ion	Exp%	Act%
178.00	100	100
176.00	16.20	26.94#
179.00	17.70	25.42#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004784.D
Acq On : 25 Mar 2016 19:06
Operator : UM/SJ
Sample : H1909-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 05 19:11:19 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 18:29:16 2016
Response via : Initial Calibration



TIC: BM004784.D

(14) Phenanthrene

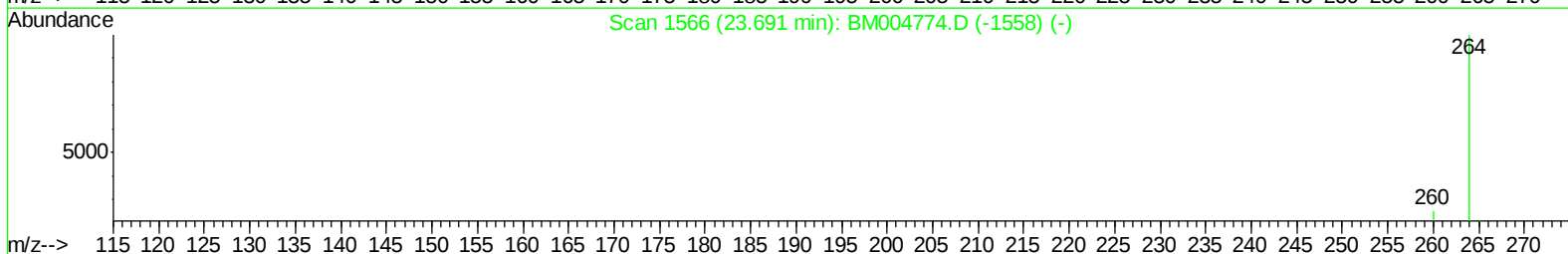
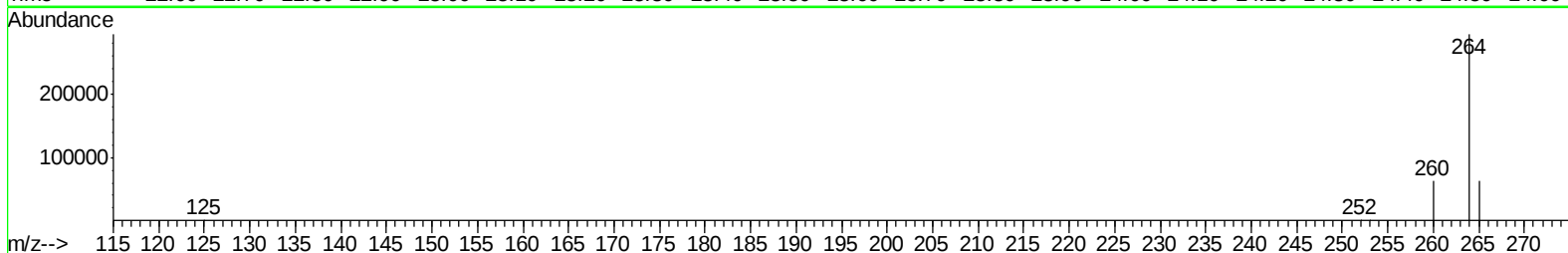
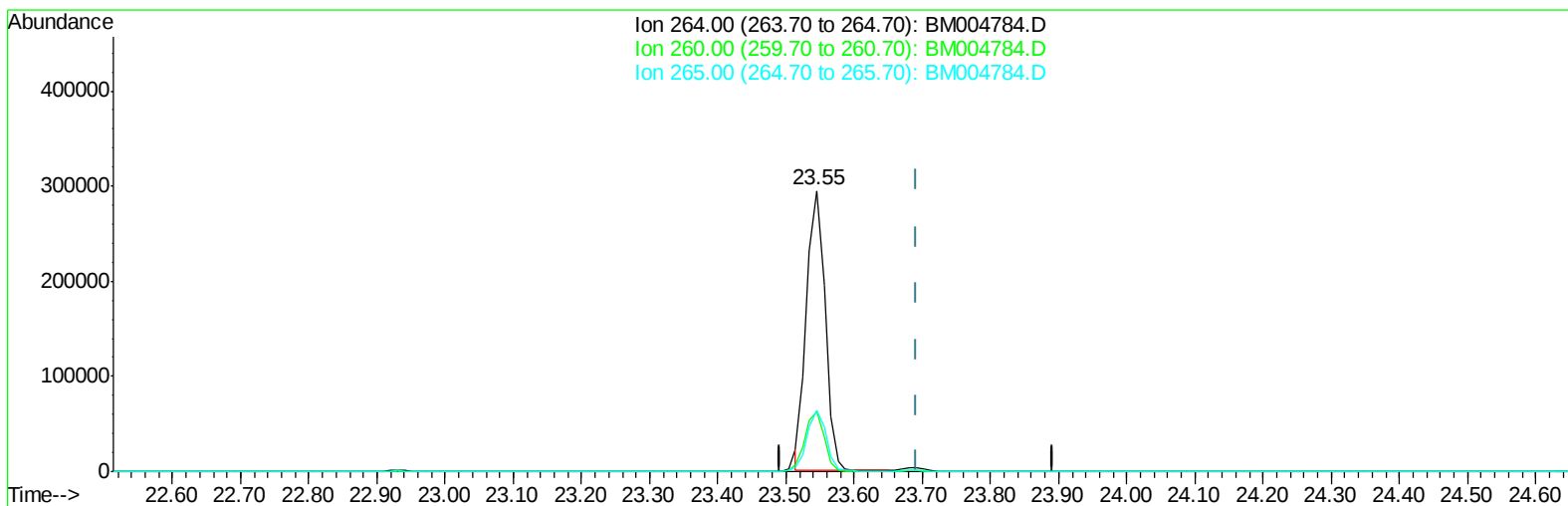
17.245min (-0.000) 0.18ng/ul m

response 4553

Ion	Exp%	Act%
178.00	100	100
176.00	16.20	20.06#
179.00	17.70	17.61
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004784.D
Acq On : 25 Mar 2016 19:06
Operator : UM/SJ
Sample : H1909-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 05 19:11:19 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 18:29:16 2016
Response via : Initial Calibration



TIC: BM004784.D

(22) Perylene-d12 (I)

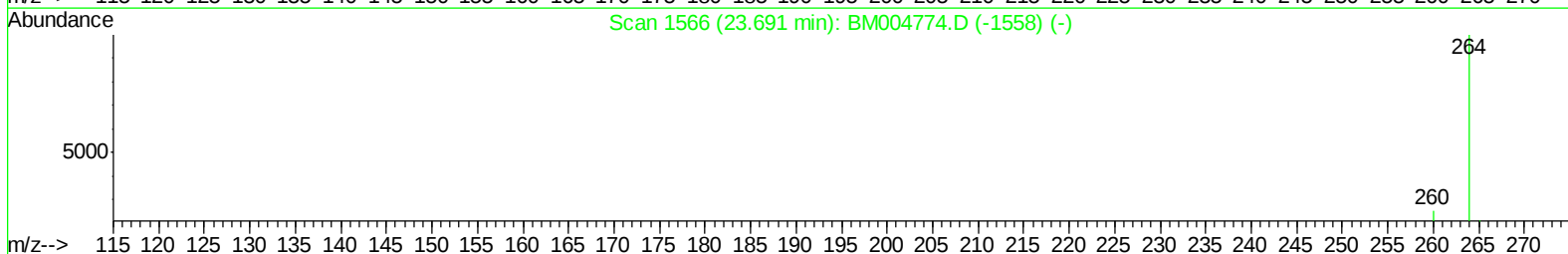
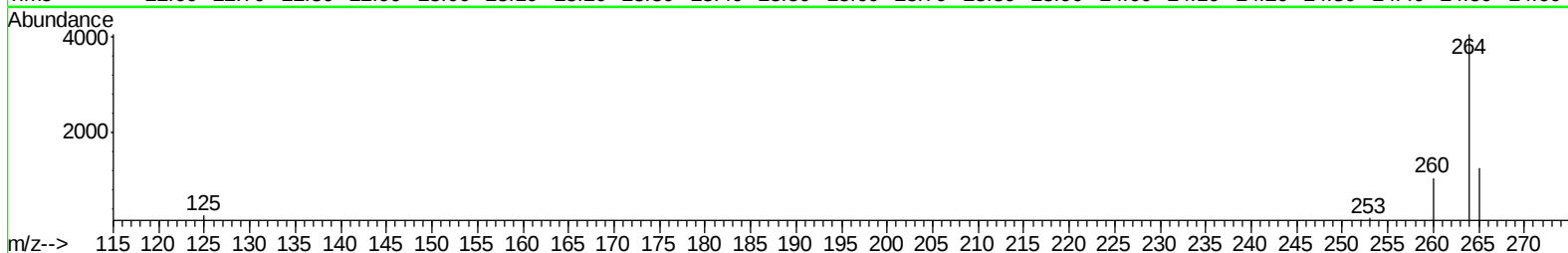
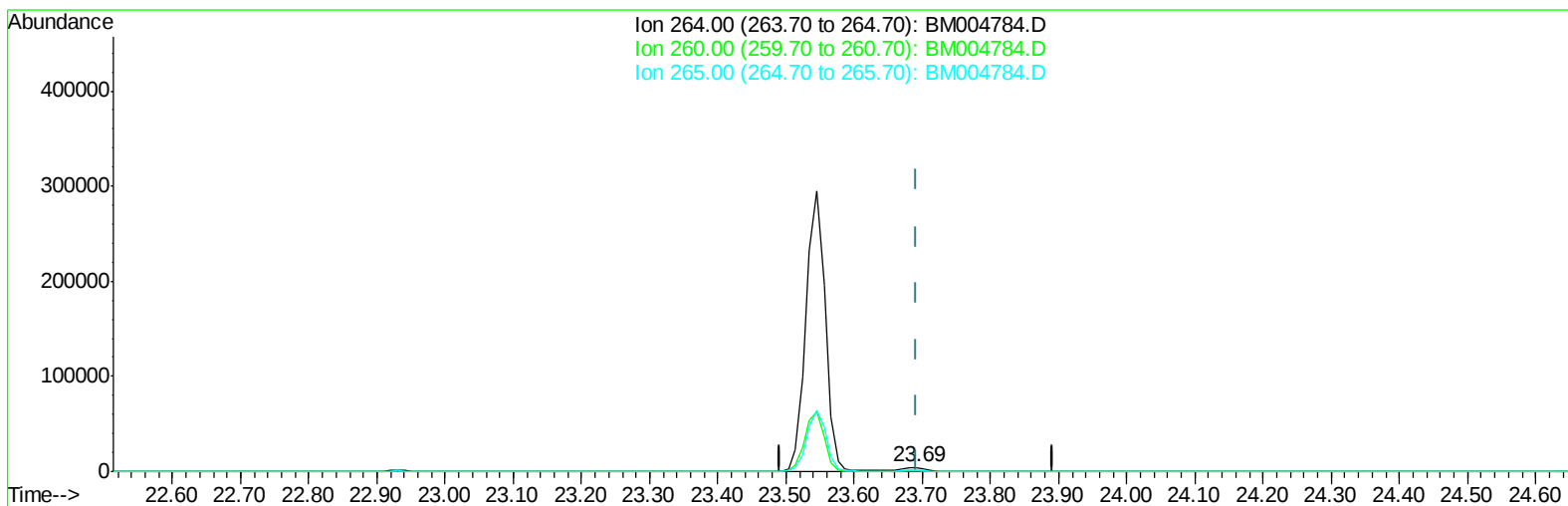
23.545min (-0.146) 0.40ng/ul

response 556807

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	21.21
265.00	38.20	21.71#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004784.D
Acq On : 25 Mar 2016 19:06
Operator : UM/SJ
Sample : H1909-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 05 19:11:19 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 18:29:16 2016
Response via : Initial Calibration



TIC: BM004784.D

(22) Perylene-d12 (I)

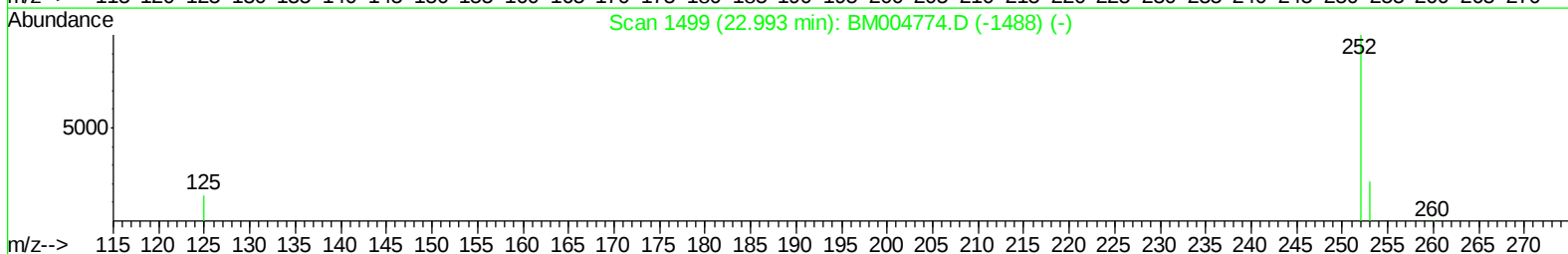
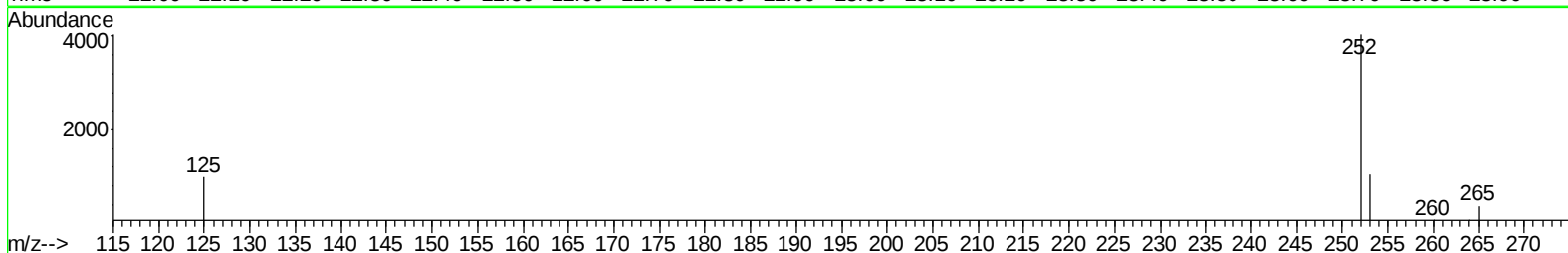
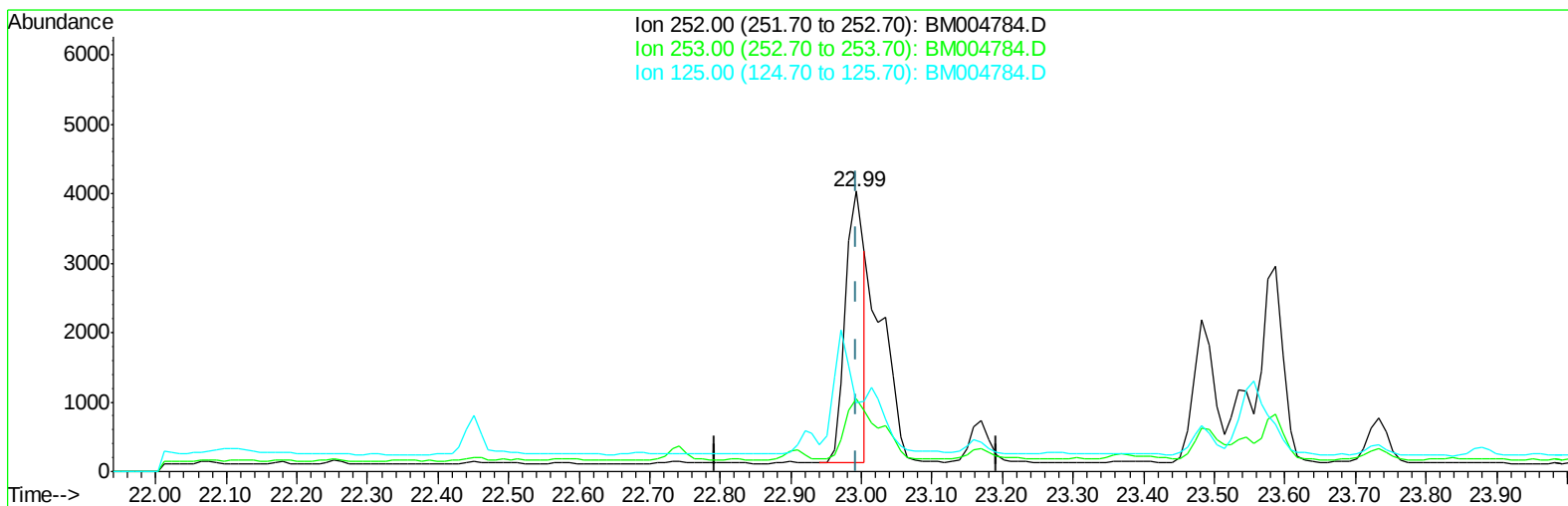
23.691min (-0.000) 0.40ng/ul m

response 7204

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	25.57
265.00	38.20	30.86
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004784.D
Acq On : 25 Mar 2016 19:06
Operator : UM/SJ
Sample : H1909-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 05 19:12:19 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 18:29:16 2016
Response via : Initial Calibration



TIC: BM004784.D

(23) Benzo(b)fluoranthene

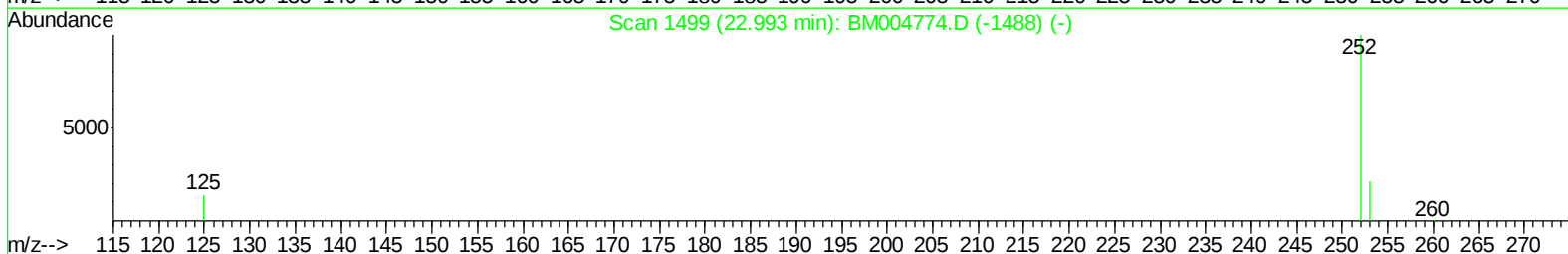
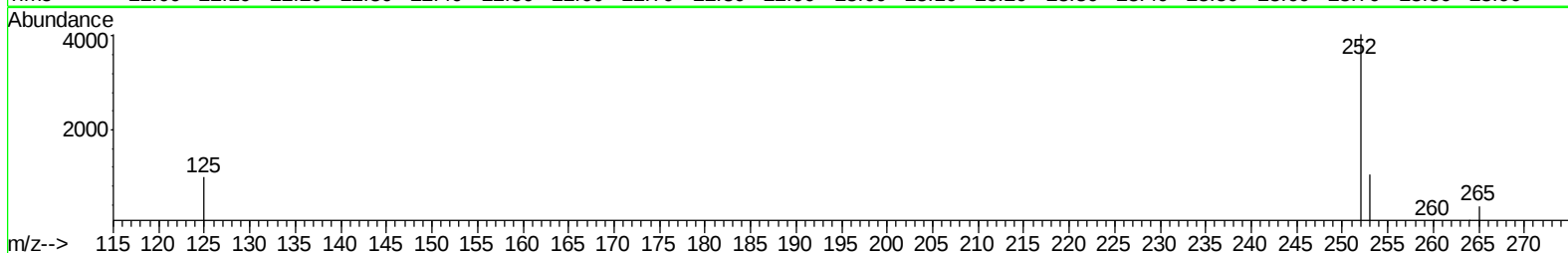
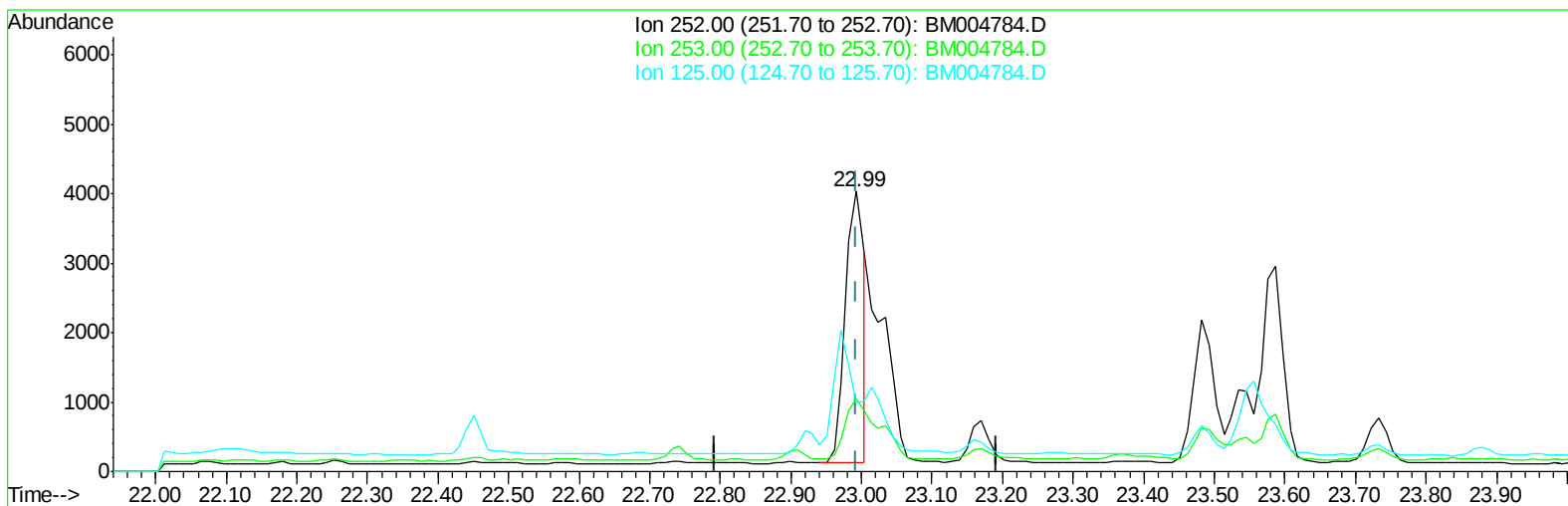
22.993min (-0.000) 0.30ng/ul

response 7217

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	26.13
125.00	14.40	24.59
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004784.D
Acq On : 25 Mar 2016 19:06
Operator : UM/SJ
Sample : H1909-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 05 19:12:19 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 18:29:16 2016
Response via : Initial Calibration



TIC: BM004784.D

(23) Benzo(b)fluoranthene

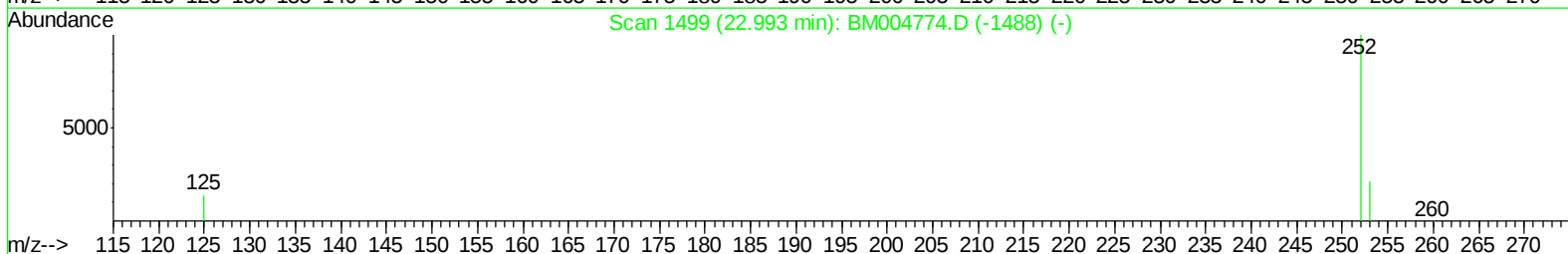
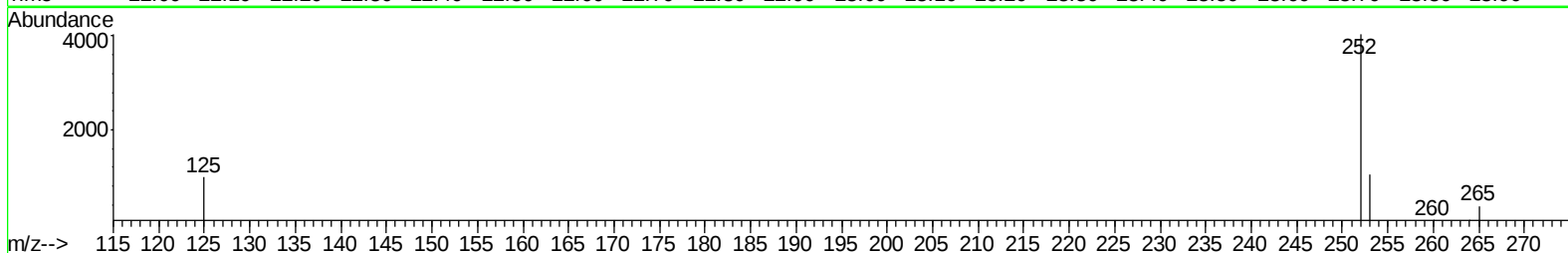
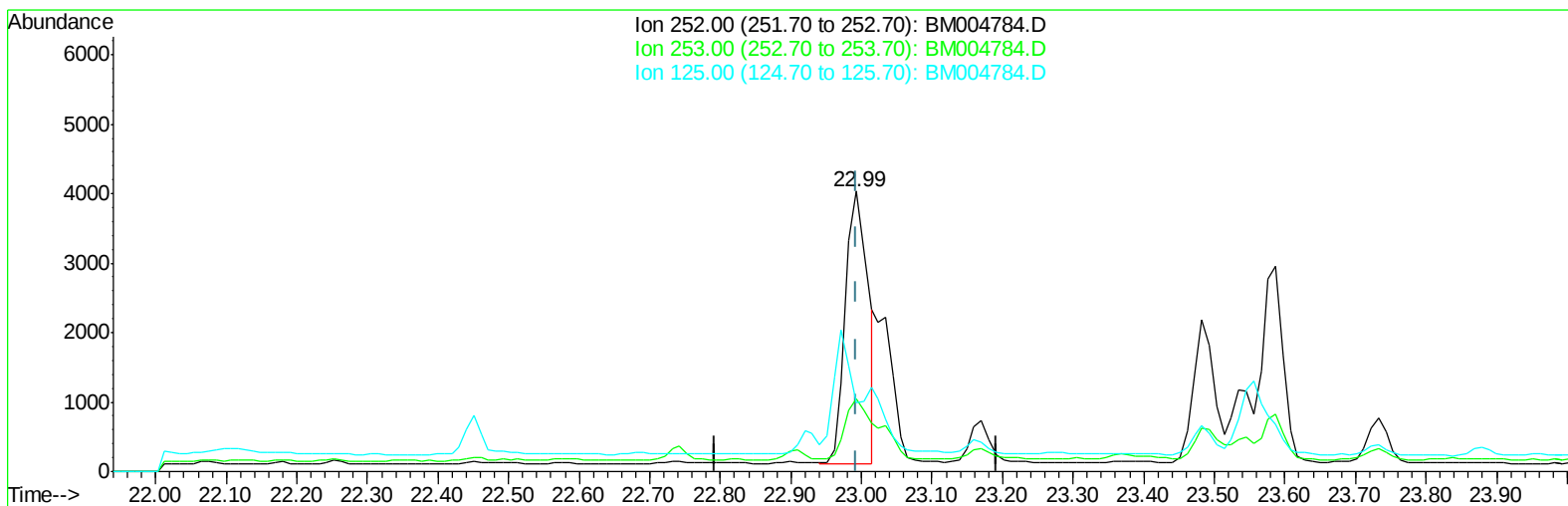
22.993min (-0.000) 0.30ng/ul

response 7217

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	26.13
125.00	14.40	24.59
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004784.D
Acq On : 25 Mar 2016 19:06
Operator : UM/SJ
Sample : H1909-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 05 19:12:19 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 18:29:16 2016
Response via : Initial Calibration



TIC: BM004784.D

(23) Benzo(b)fluoranthene

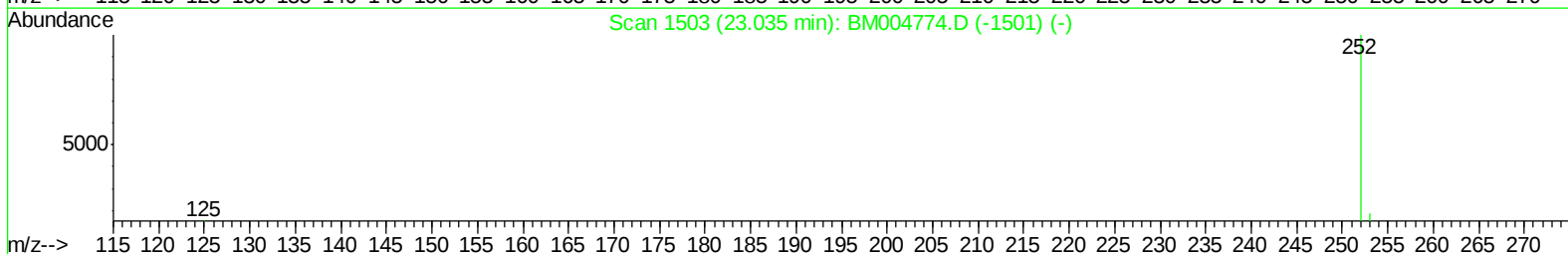
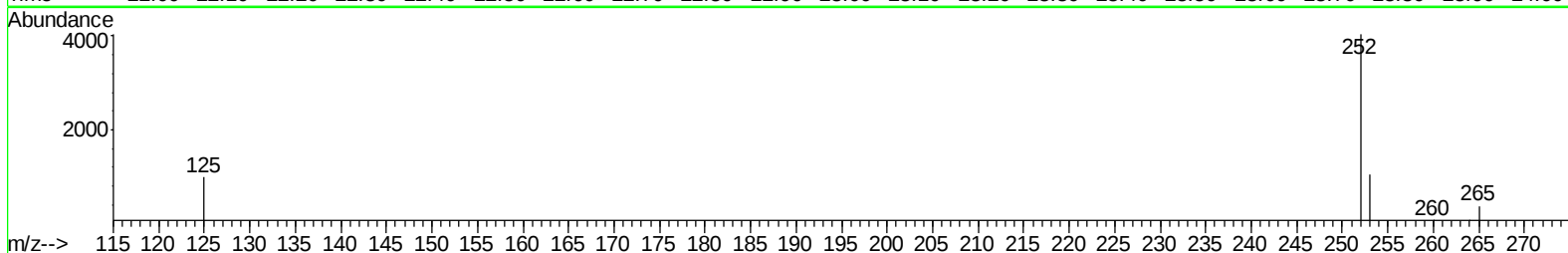
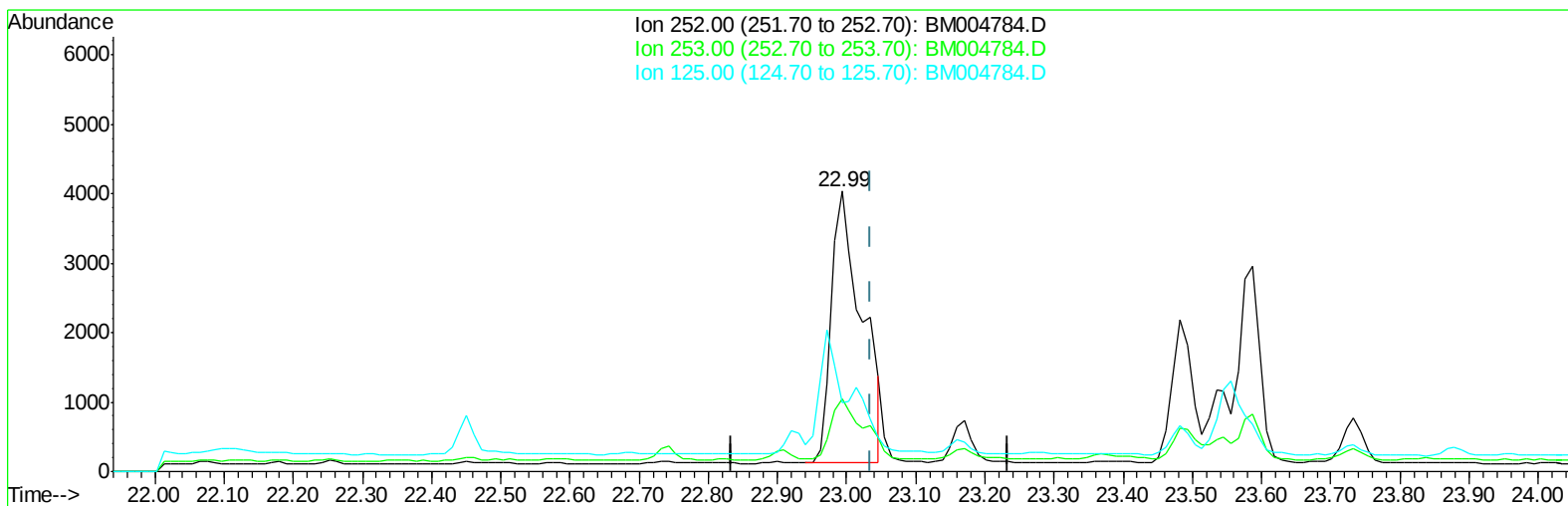
22.993min (-0.000) 0.36ng/ul m

response 8680

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	26.13
125.00	14.40	24.59
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004784.D
Acq On : 25 Mar 2016 19:06
Operator : UM/SJ
Sample : H1909-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 05 19:12:19 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 18:29:16 2016
Response via : Initial Calibration



TIC: BM004784.D

(24) Benzo(k)fluoranthene

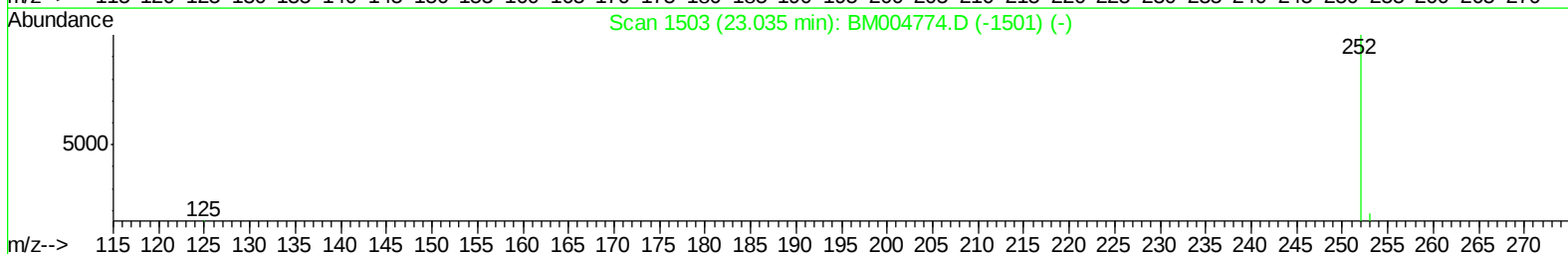
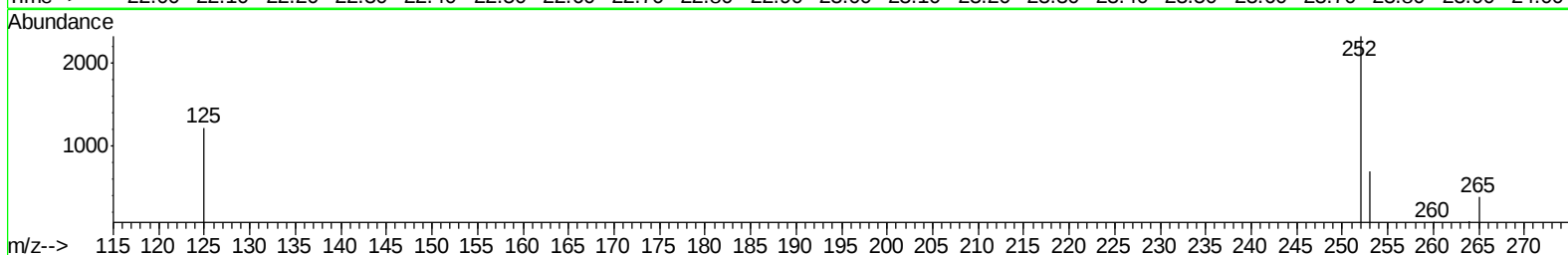
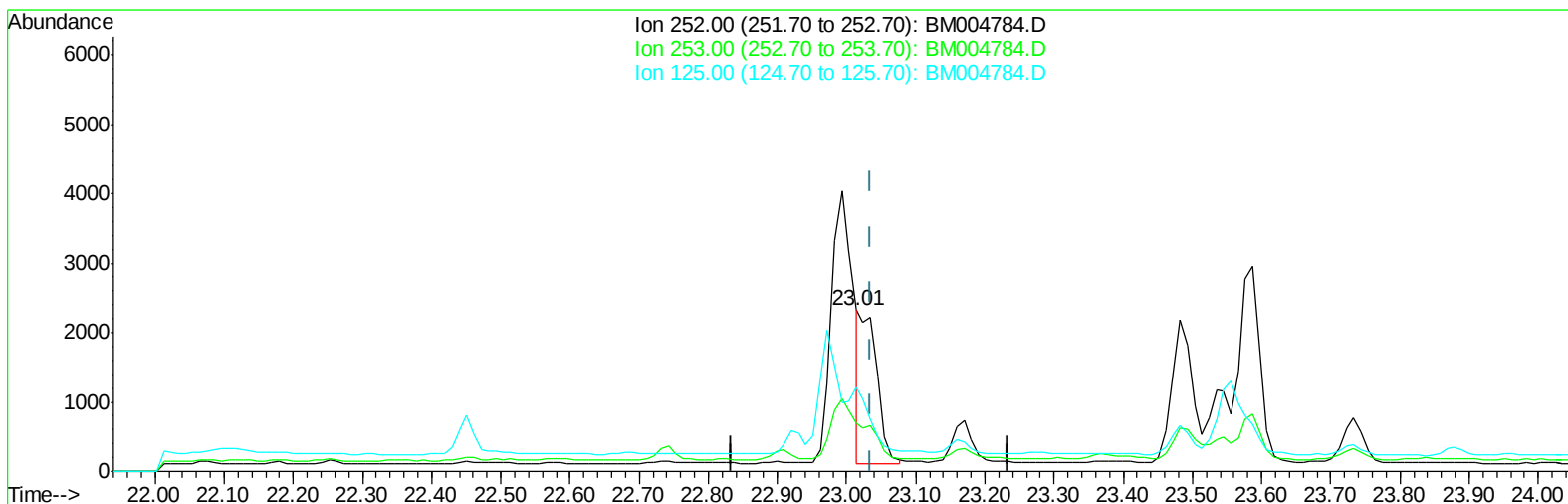
22.993min (-0.042) 0.53ng/ul

response 11962

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	26.13
125.00	13.00	24.59#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004784.D
Acq On : 25 Mar 2016 19:06
Operator : UM/SJ
Sample : H1909-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 05 19:12:19 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 18:29:16 2016
Response via : Initial Calibration



TIC: BM004784.D

(24) Benzo(k)fluoranthene

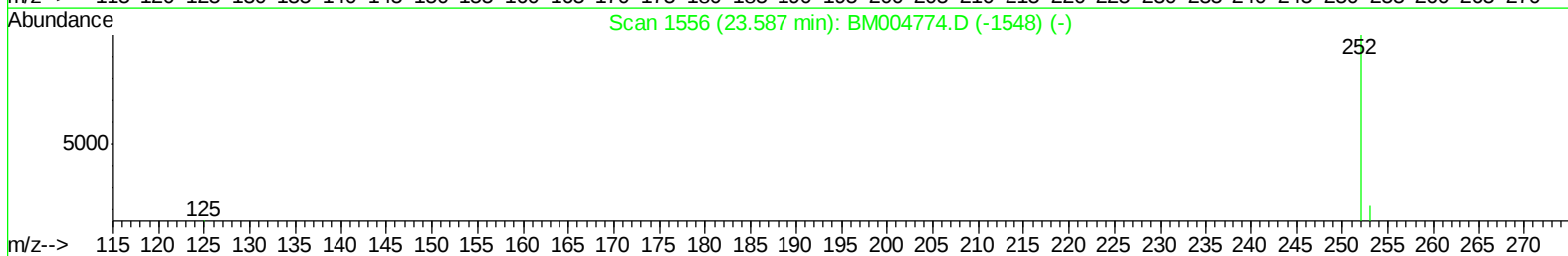
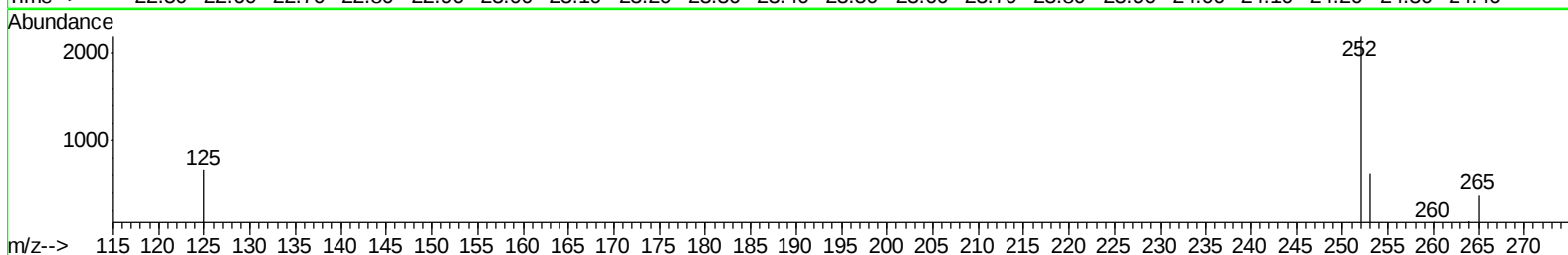
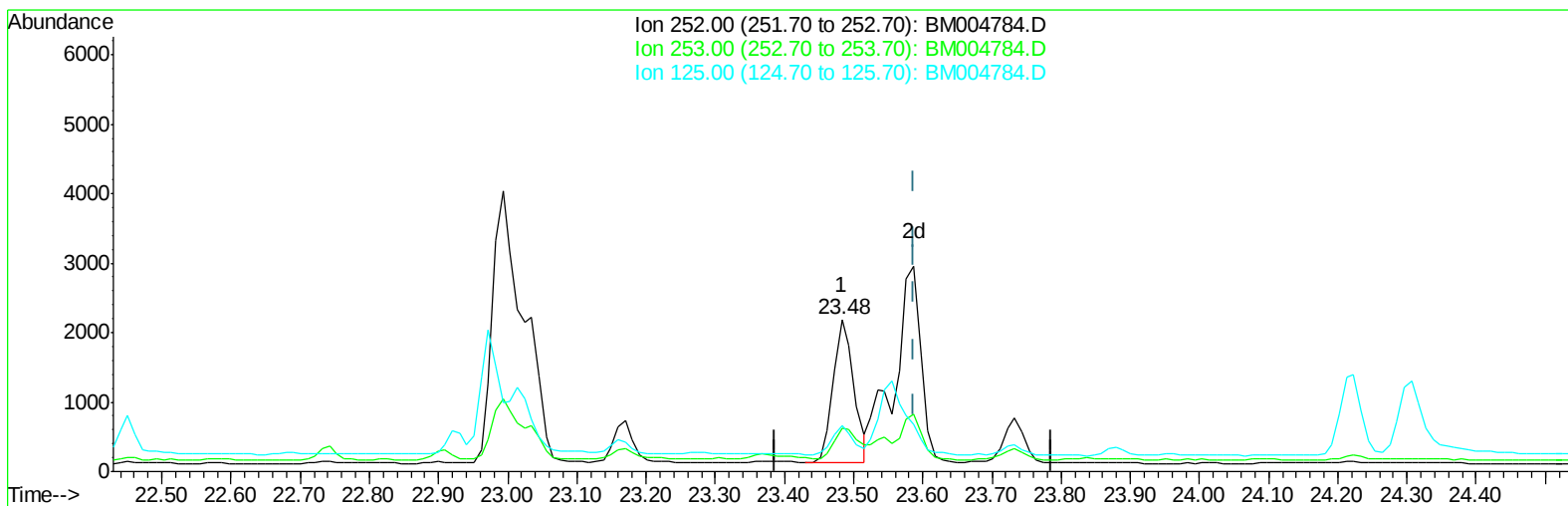
23.014min (-0.021) 0.16ng/ul m

response 3700

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	29.58
125.00	13.00	52.04#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004784.D
Acq On : 25 Mar 2016 19:06
Operator : UM/SJ
Sample : H1909-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 05 19:12:19 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 18:29:16 2016
Response via : Initial Calibration



TIC: BM004784.D

(25) Benzo(a)pyrene (C)

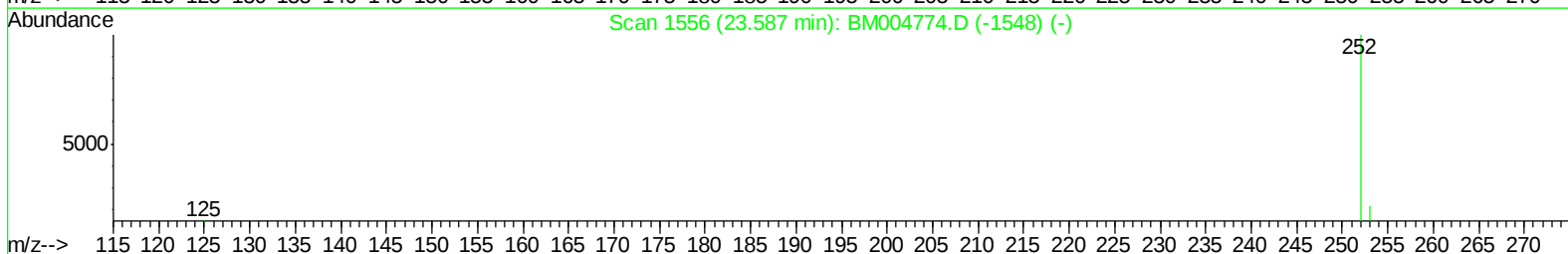
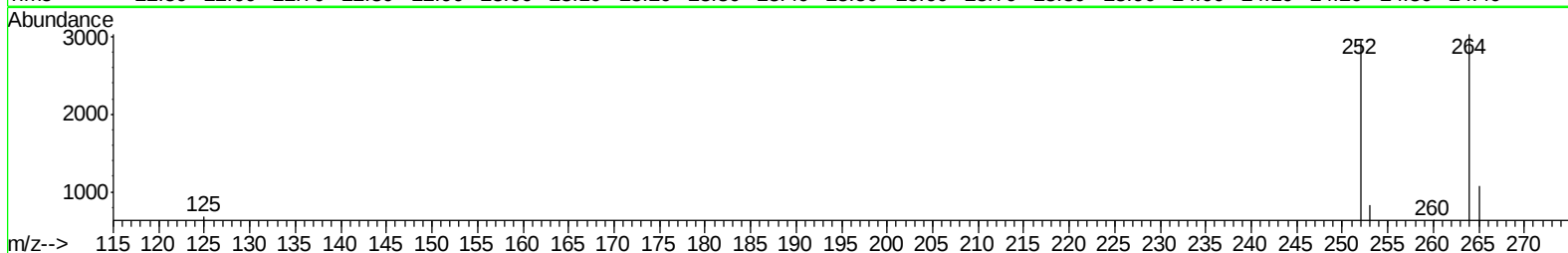
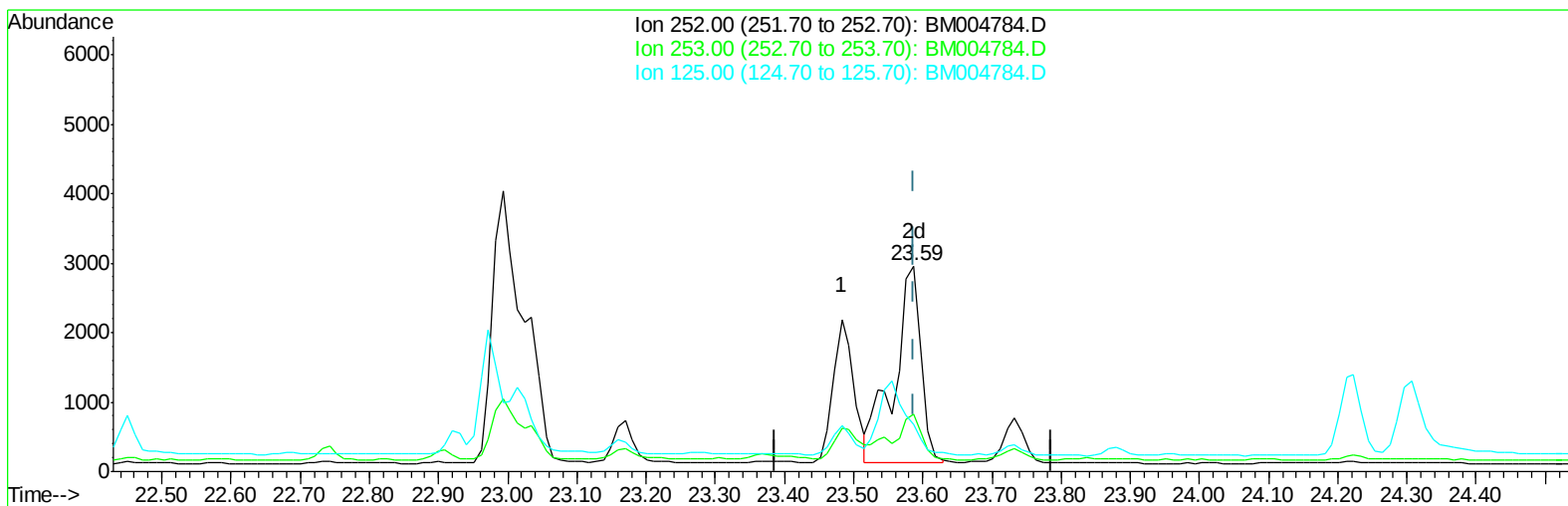
23.483min (-0.105) 0.19ng/ul

response 4277

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	28.55
125.00	15.90	30.11#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004784.D
Acq On : 25 Mar 2016 19:06
Operator : UM/SJ
Sample : H1909-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 05 19:12:19 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 18:29:16 2016
Response via : Initial Calibration



TIC: BM004784.D

(25) Benzo(a)pyrene (C)

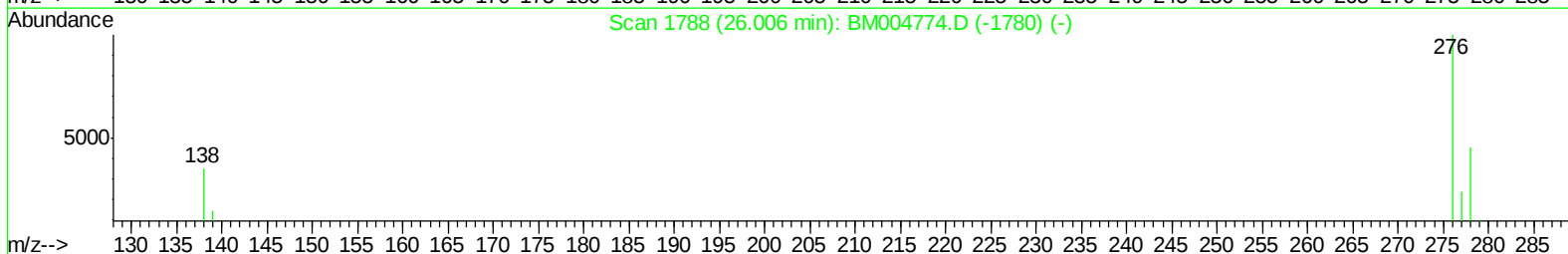
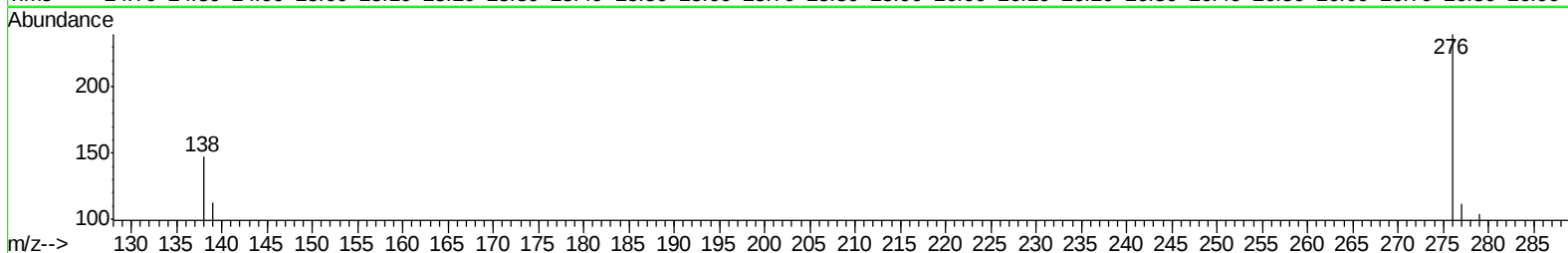
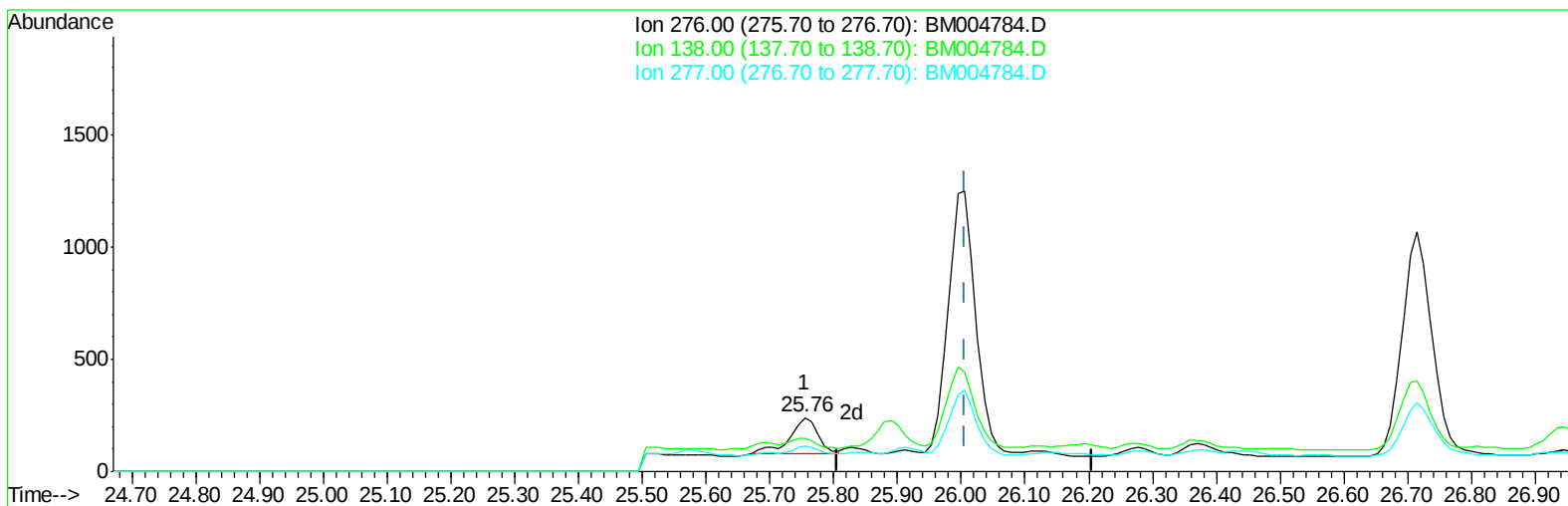
23.587min (-0.000) 0.35ng/ul m

response 7739

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	27.90
125.00	15.90	22.83#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004784.D
Acq On : 25 Mar 2016 19:06
Operator : UM/SJ
Sample : H1909-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 05 19:12:19 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 18:29:16 2016
Response via : Initial Calibration



TIC: BM004784.D

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

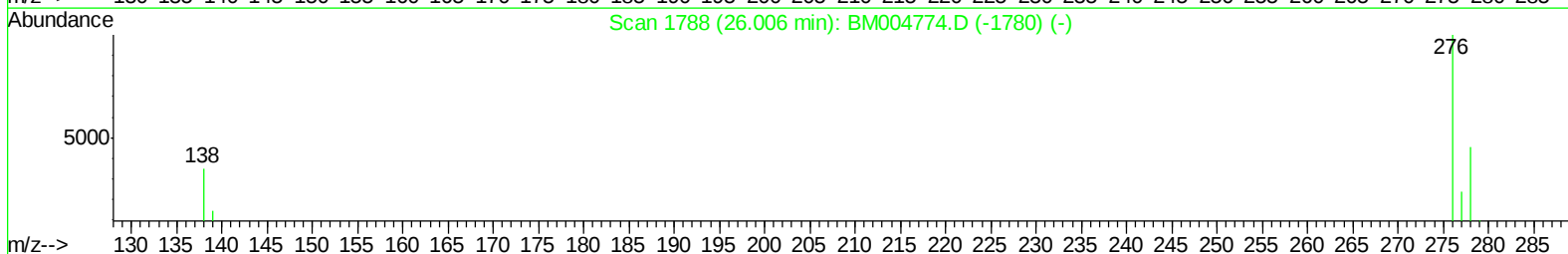
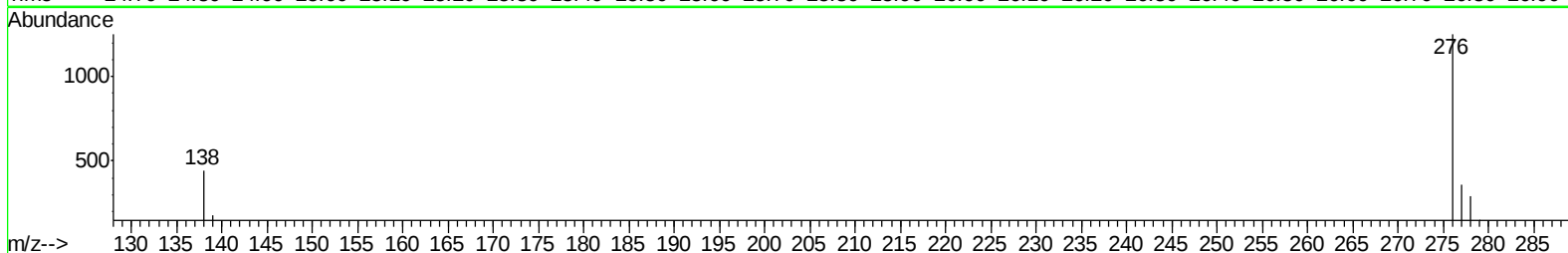
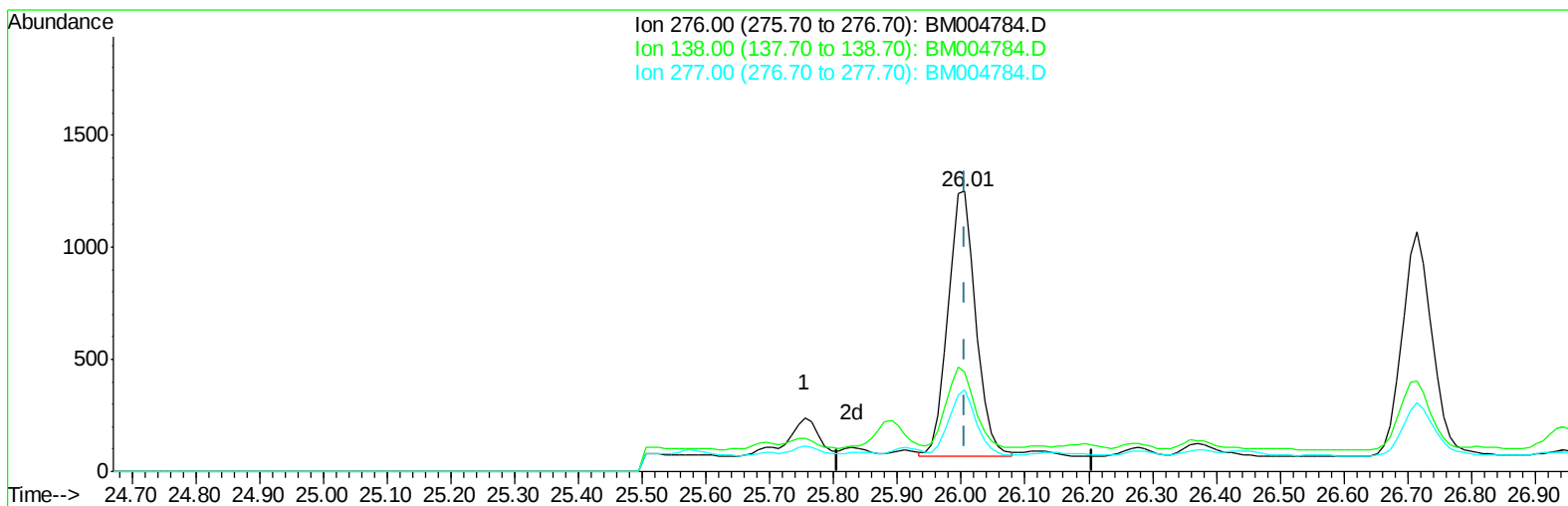
25.755min (-0.251) 0.02ng/ul

response 491

Ion	Exp%	Act%
276.00	100	100
138.00	20.40	22.81
277.00	24.80	22.20
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004784.D
Acq On : 25 Mar 2016 19:06
Operator : UM/SJ
Sample : H1909-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 05 19:12:19 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 18:29:16 2016
Response via : Initial Calibration



TIC: BM004784.D

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

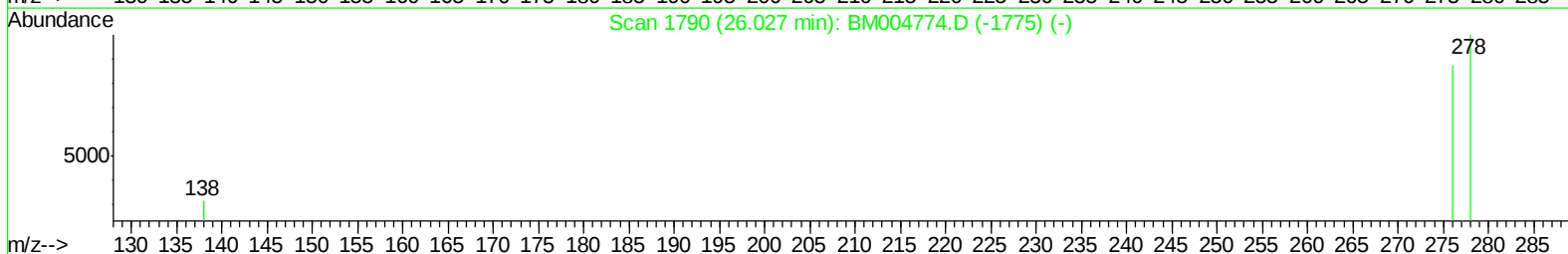
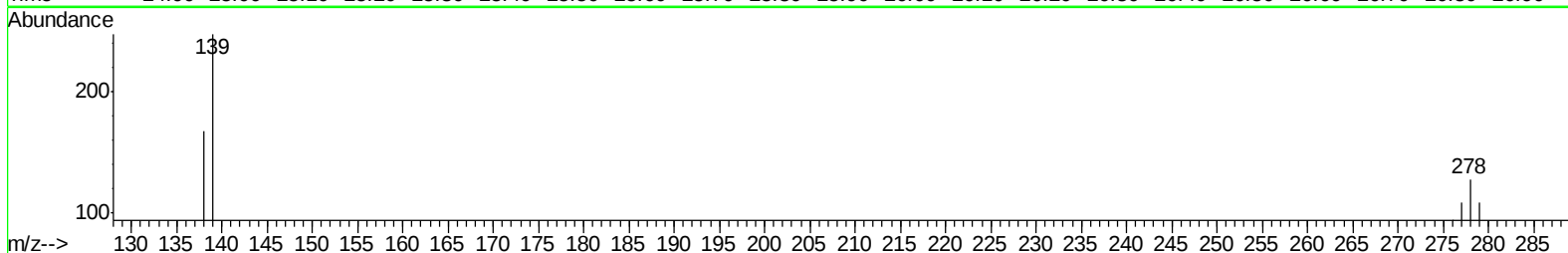
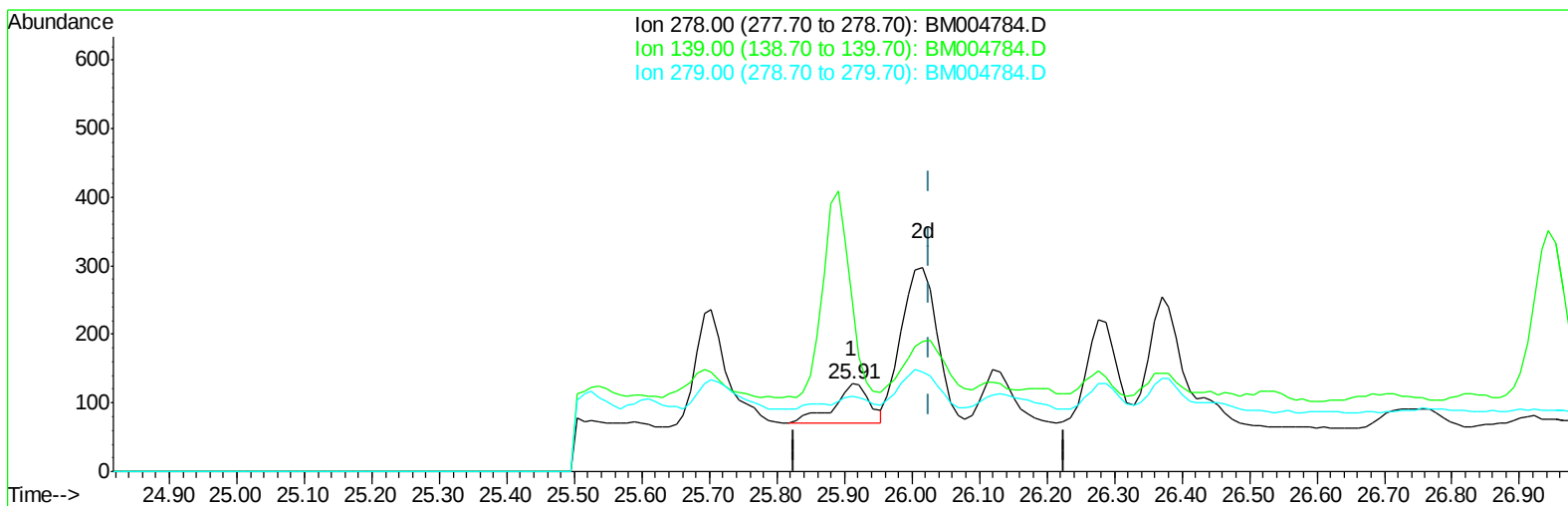
26.005min (-0.000) 0.17ng/ul m

response 3593

Ion	Exp%	Act%
276.00	100	100
138.00	20.40	3.12#
277.00	24.80	3.03#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004784.D
Acq On : 25 Mar 2016 19:06
Operator : UM/SJ
Sample : H1909-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 05 19:12:19 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 18:29:16 2016
Response via : Initial Calibration



TIC: BM004784.D

(27) Dibenzo(a,h)anthracene

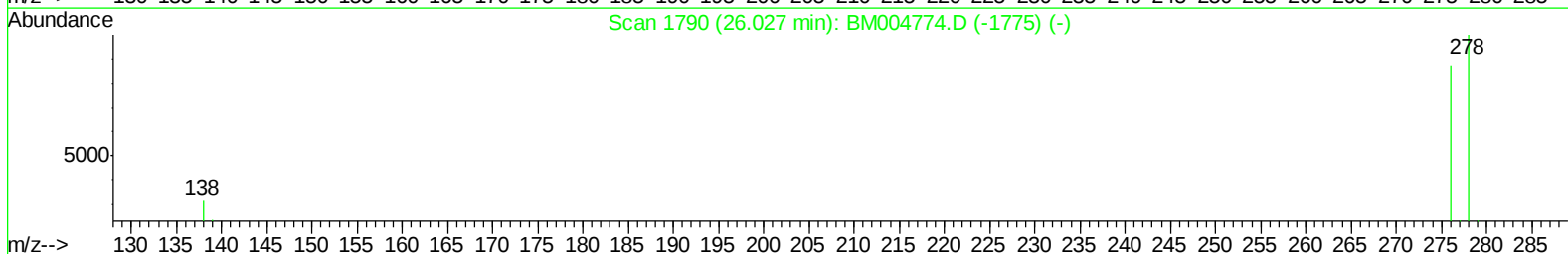
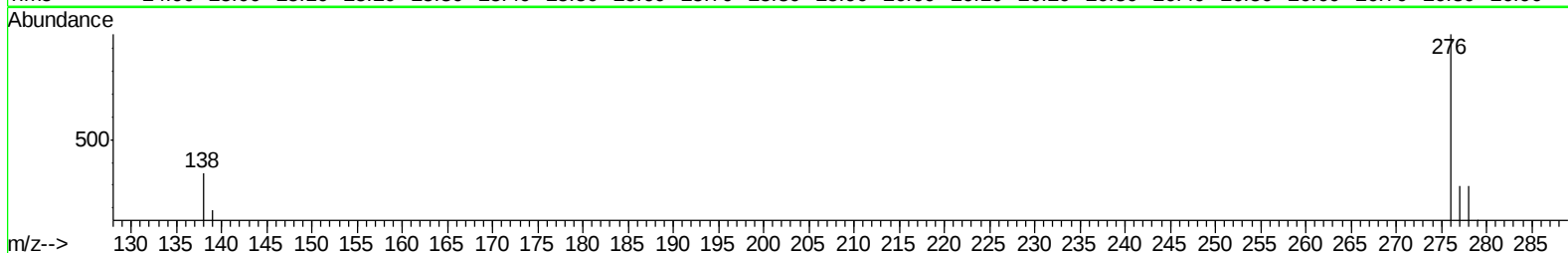
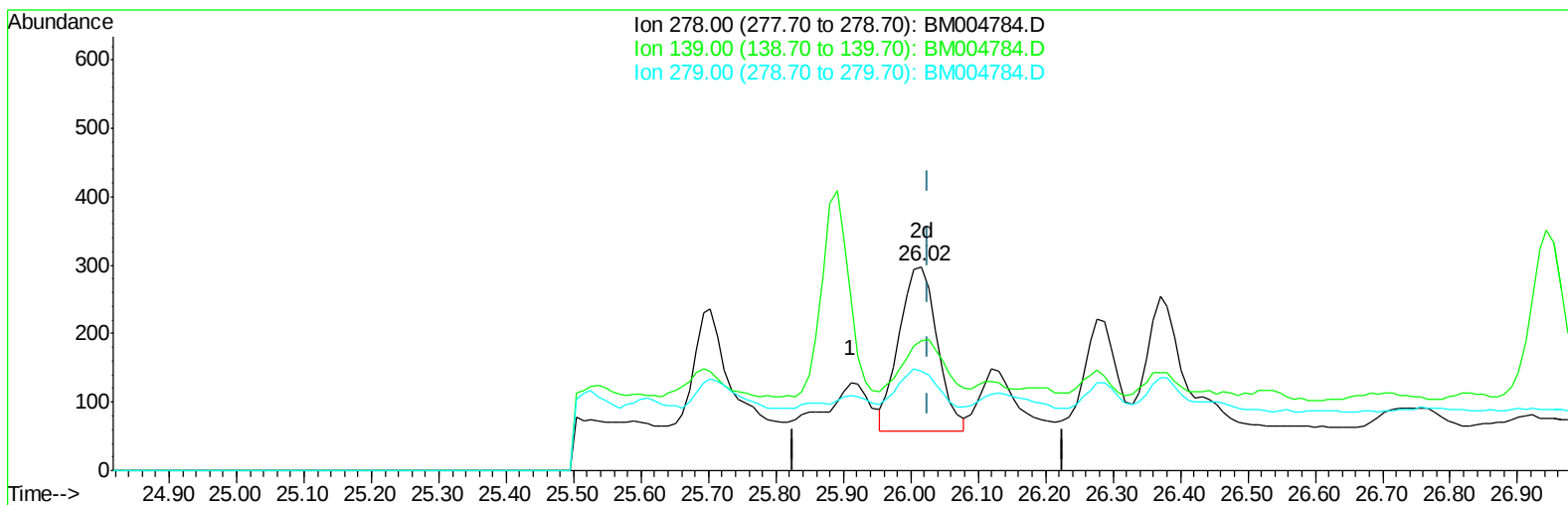
25.912min (-0.115) 0.01ng/ul

response 210

Ion	Exp%	Act%
278.00	100	100
139.00	20.50	192.97#
279.00	25.20	85.16#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004784.D
Acq On : 25 Mar 2016 19:06
Operator : UM/SJ
Sample : H1909-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 05 19:12:19 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
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QLast Update : Tue Apr 05 18:29:16 2016
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TIC: BM004784.D

(27) Dibenzo(a,h)anthracene

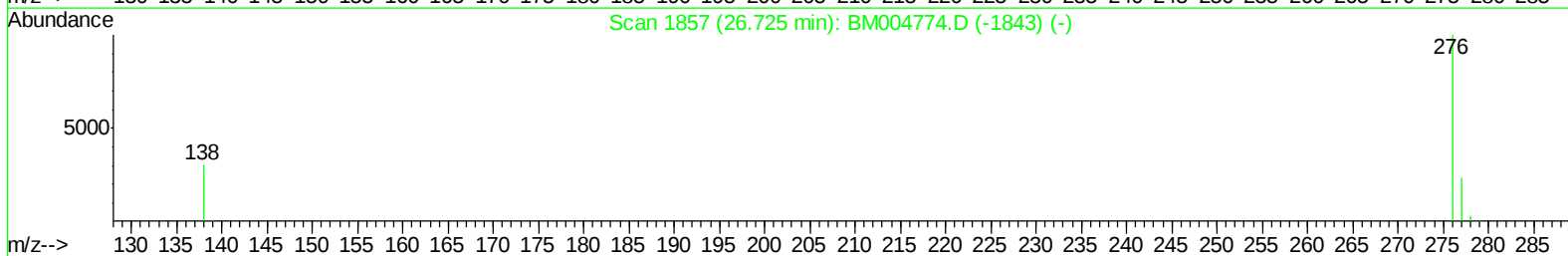
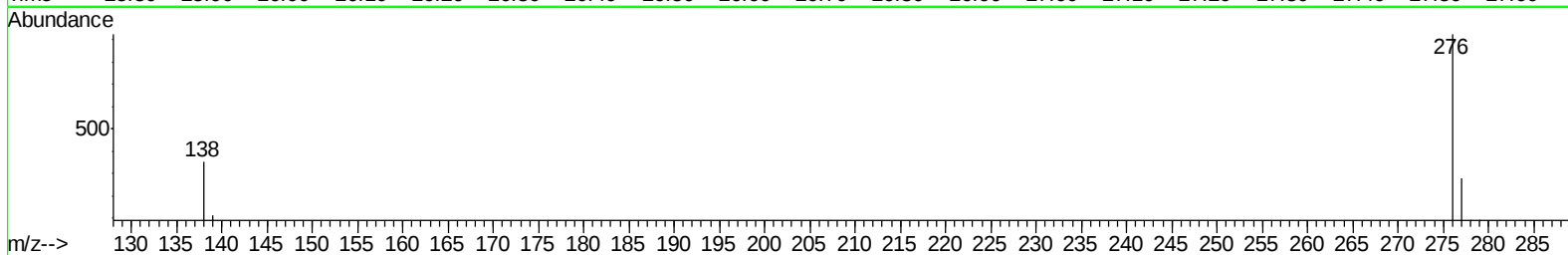
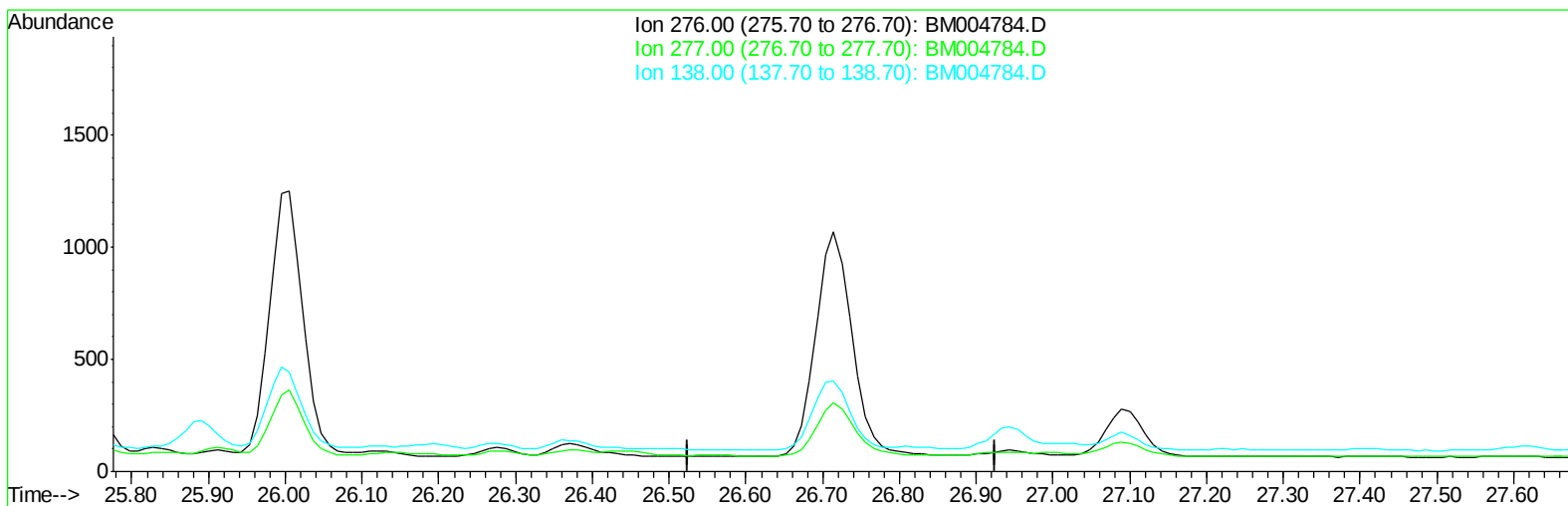
26.016min (-0.011) 0.06ng/ul m

response 932

Ion	Exp%	Act%
278.00	100	100
139.00	20.50	63.76#
279.00	25.20	48.99#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004784.D
Acq On : 25 Mar 2016 19:06
Operator : UM/SJ
Sample : H1909-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 05 19:12:19 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
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QLast Update : Tue Apr 05 18:29:16 2016
Response via : Initial Calibration



TIC: BM004784.D

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

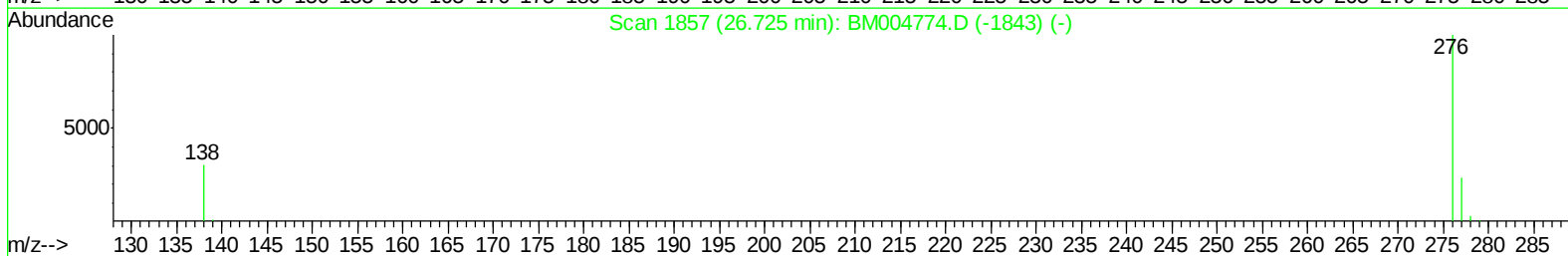
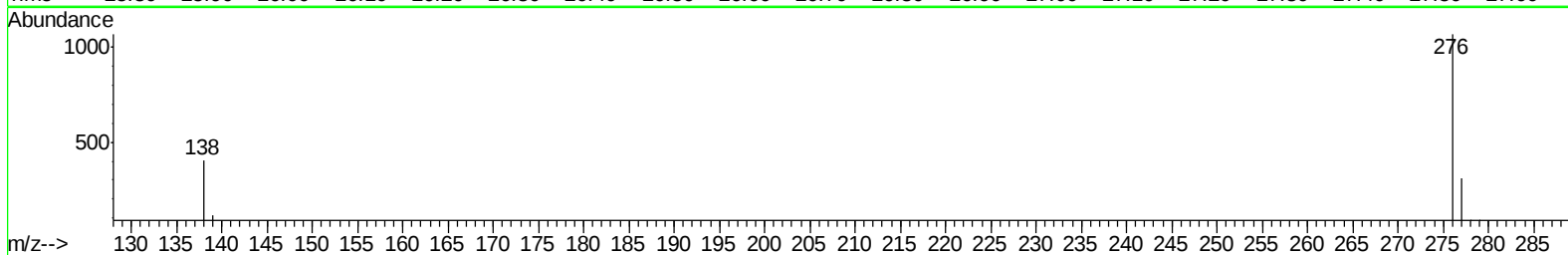
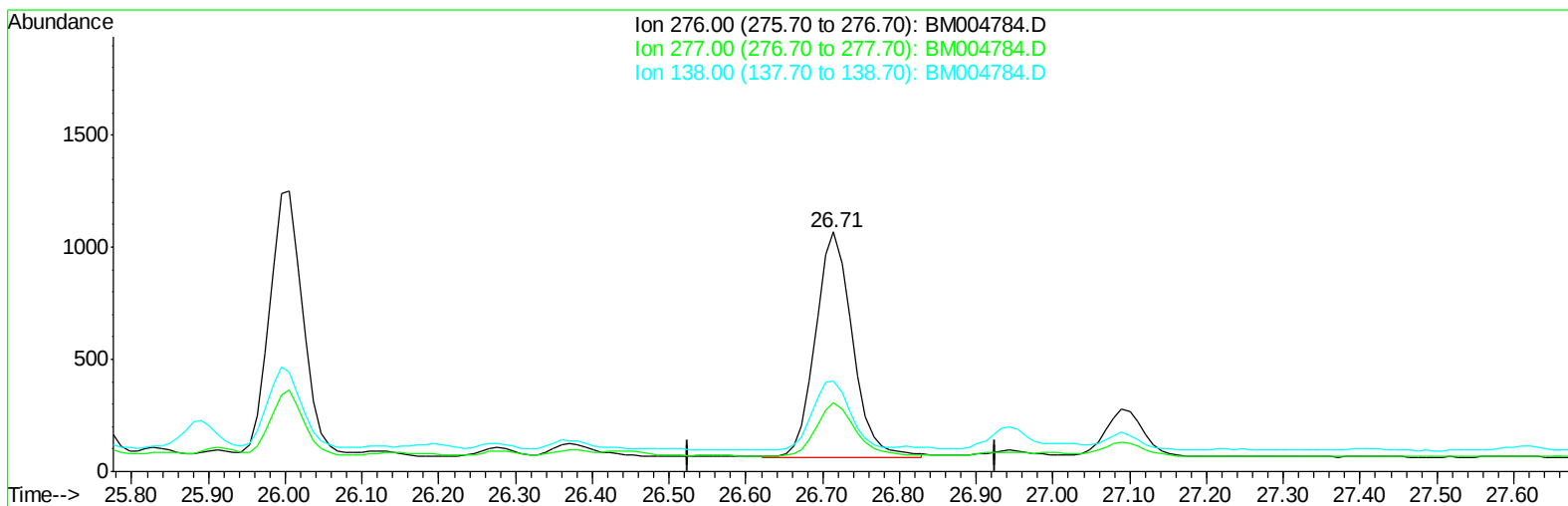
26.725min (-26.725) 0.00ng/ul

response 0

Ion	Exp%	Act%
276.00	100	0.00
277.00	23.60	0.00#
138.00	28.10	0.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
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Acq On : 25 Mar 2016 19:06
Operator : UM/SJ
Sample : H1909-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 05 19:12:19 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



TIC: BM004784.D

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

26.714min (-0.011) 0.20ng/ul m

response 3369

Ion	Exp%	Act%
276.00	100	100
277.00	23.60	28.77#
138.00	28.10	37.96#
0.00	0.00	0.00

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 Data File : BM004784.D
 Acq On : 25 Mar 2016 19:06
 Operator : UM/SJ
 Sample : H1909-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 05 19:17:29 2016

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Apr 05 18:29:16 2016

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1361	0.40	ng/ul	0.00
4) Naphthalene-d8	10.62	136	6412	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	4024	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	9065m	0.40	ng/ul	0.00
18) Chrysene-d12	21.40	240	8710	0.40	ng/ul	0.00
22) Perylene-d12	23.69	264	7204m	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.32	96	6815	11.11	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.21	152	3138	0.35	ng/ul	0.00
16) Fluoranthene-d10	19.24	212	8074	0.38	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	10.67	128	1187	0.08	ng/ul#	82
9) Acenaphthylene	14.18	152	1073	0.06	ng/ul#	88
11) Fluorene	15.51	166	317	0.02	ng/ul#	74
14) Phenanthrene	17.24	178	4553m	0.18	ng/ul	
15) Anthracene	17.33	178	1327	0.06	ng/ul#	78
17) Fluoranthene	19.27	202	13146	0.45	ng/ul	96
19) Pyrene	19.63	202	12266	0.41	ng/ul	97
20) Benzo(a)anthracene	21.38	228	5928	0.22	ng/ul#	89
21) Chrysene	21.43	228	6190	0.24	ng/ul	94
23) Benzo(b)fluoranthene	22.99	252	8680m	0.36	ng/ul	
24) Benzo(k)fluoranthene	23.01	252	3700m	0.16	ng/ul	
25) Benzo(a)pyrene	23.59	252	7739m	0.35	ng/ul	
26) Indeno(1,2,3-cd)pyrene	26.01	276	3593m	0.17	ng/ul	
27) Dibenzo(a,h)anthracene	26.02	278	932m	0.06	ng/ul	
28) Benzo(g,h,i)perylene	26.71	276	3369m	0.20	ng/ul	

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

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004784.D
Acq On : 25 Mar 2016 19:06
Operator : UM/SJ
Sample : H1909-08
Misc :
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Quant Time: Apr 05 19:17:29 2016
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