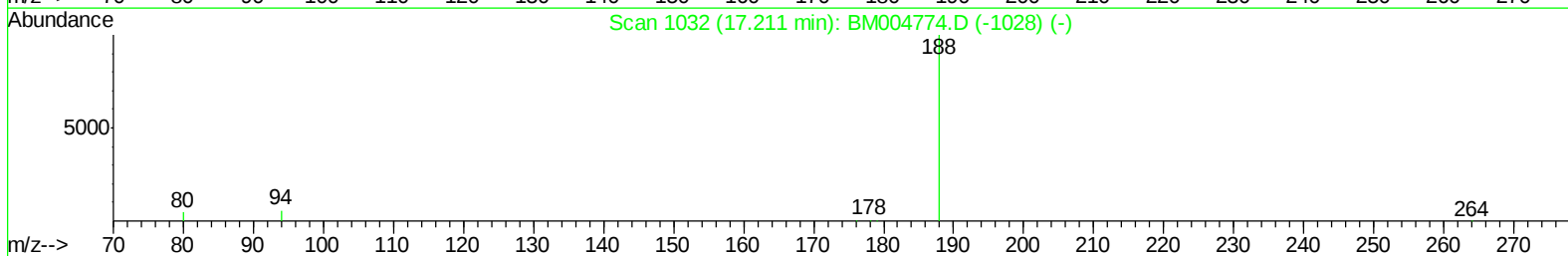
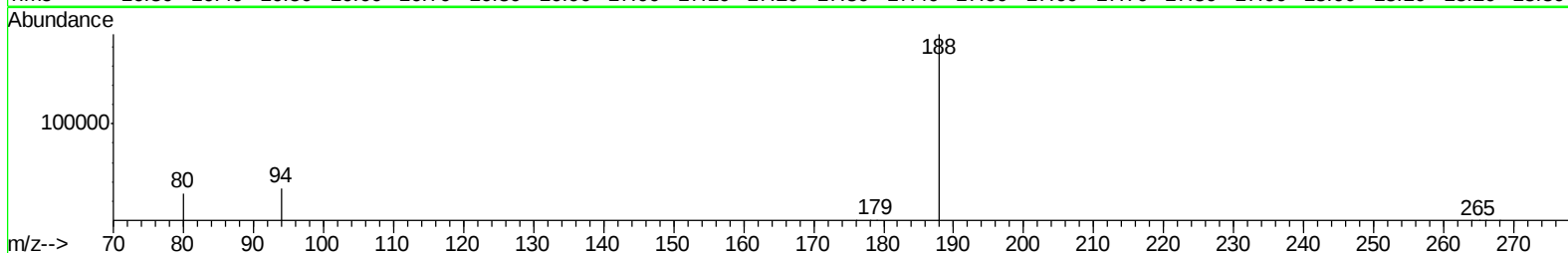
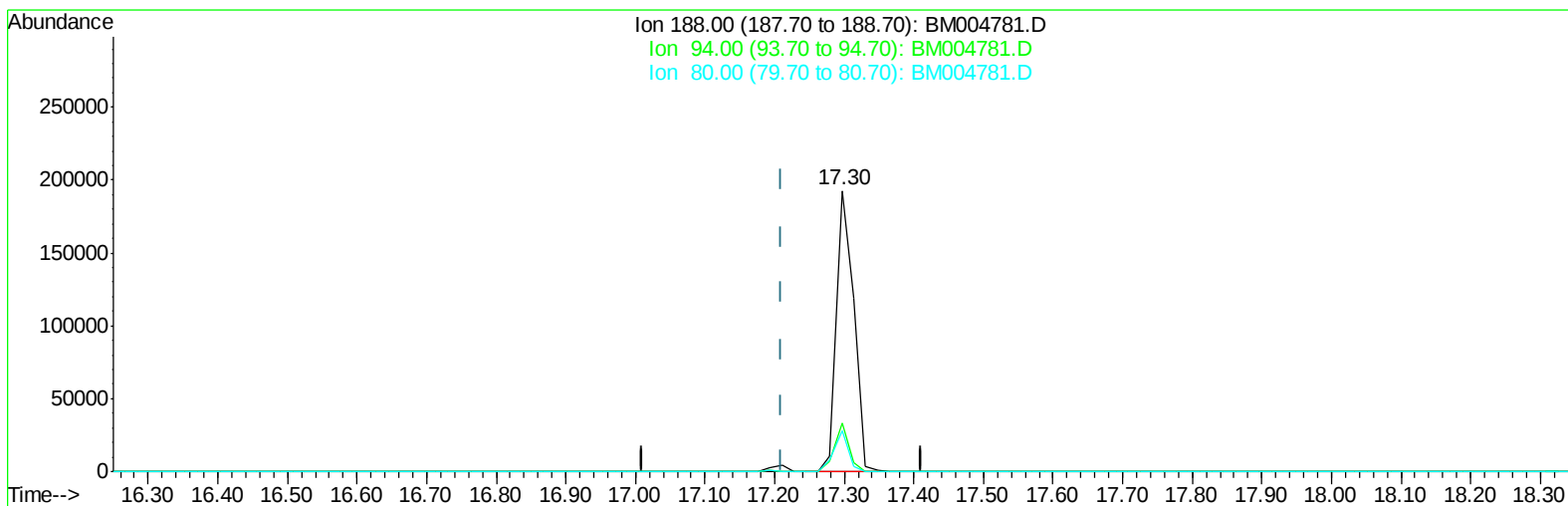


Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004781.D
Acq On : 25 Mar 2016 17:16
Operator : UM/SJ
Sample : H1909-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 05 18:56:28 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: BM004781.D

(12) Phenanthrene-d10 (I)

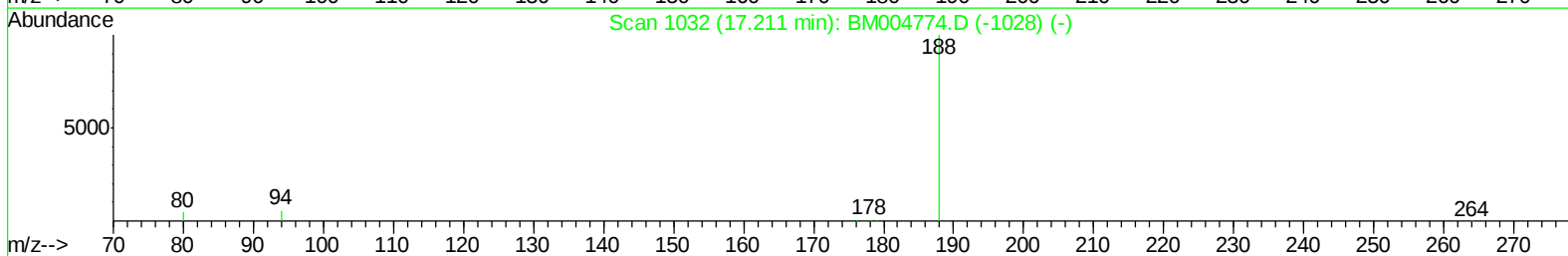
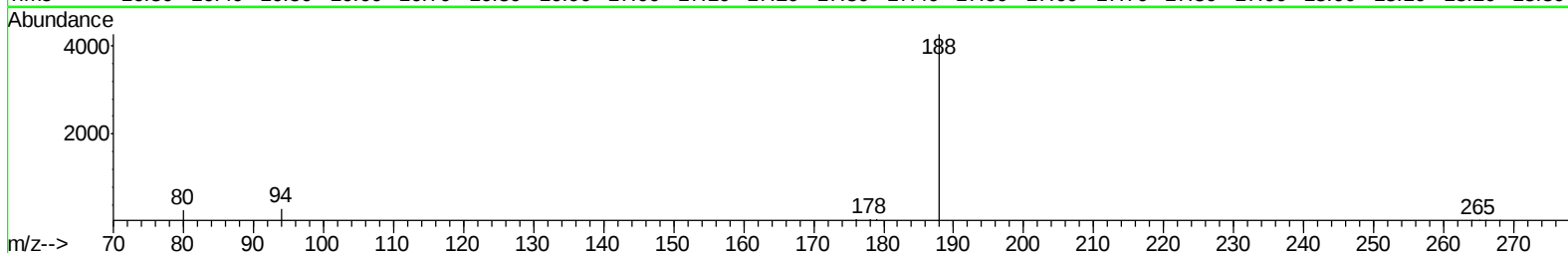
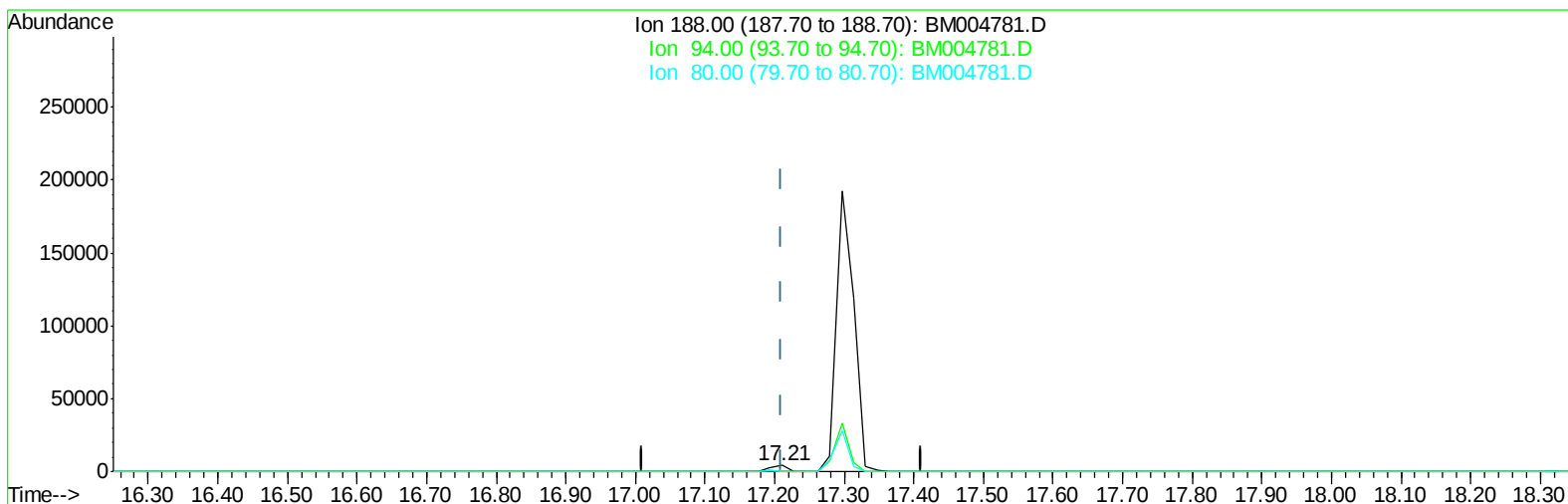
17.296min (+0.085) 0.40ng/ul

response 335543

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	17.27#
80.00	11.90	14.42#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004781.D
Acq On : 25 Mar 2016 17:16
Operator : UM/SJ
Sample : H1909-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 05 18:56:28 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: BM004781.D

(12) Phenanthrene-d10 (I)

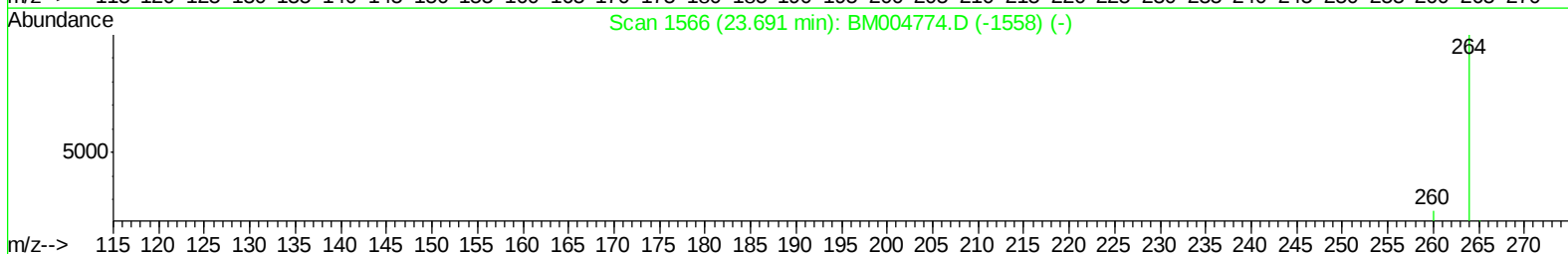
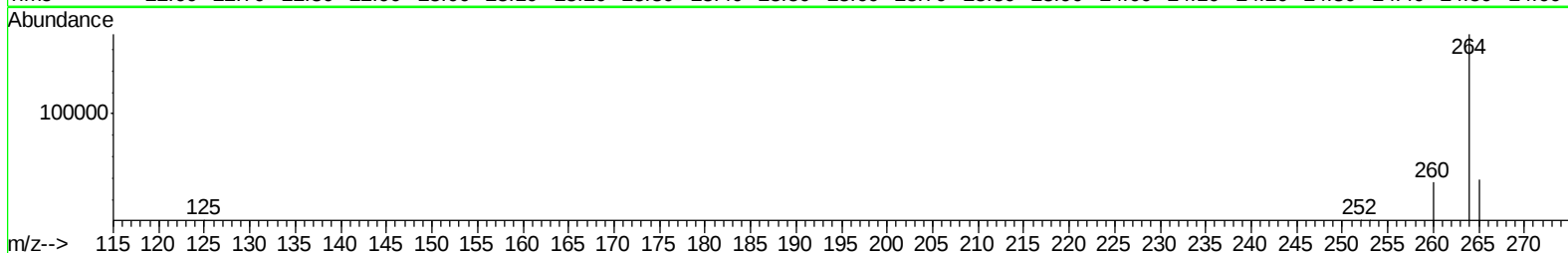
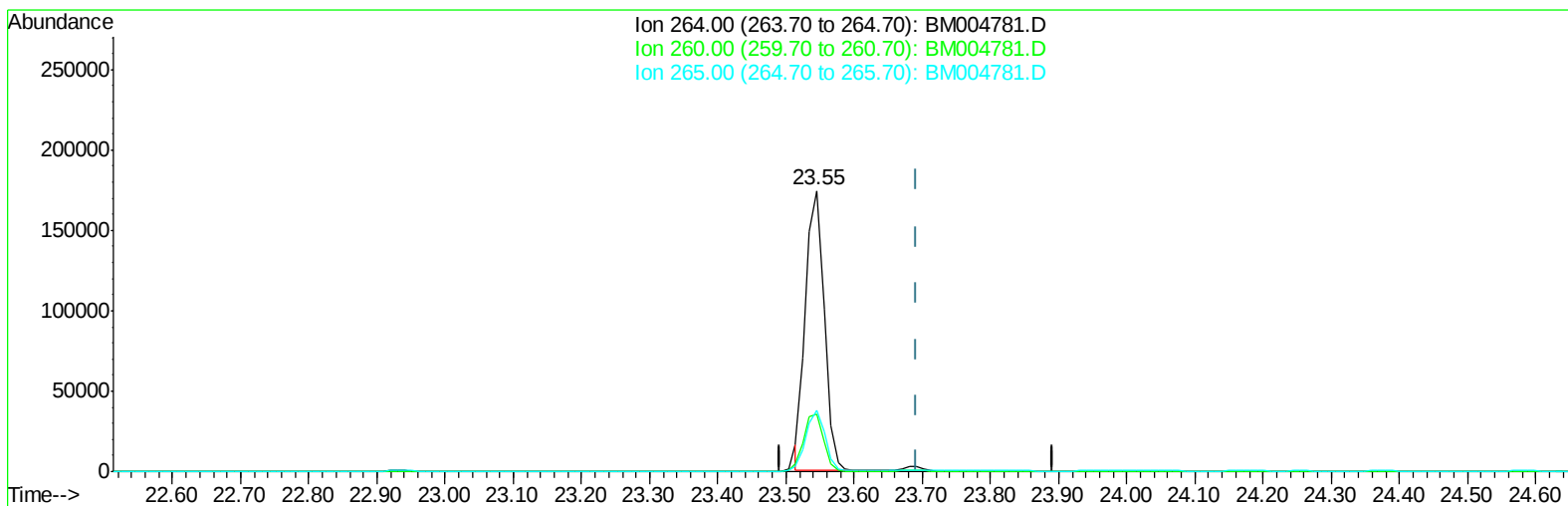
17.210min (-0.000) 0.40ng/ul m

response 7758

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	7.43#
80.00	11.90	6.65#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004781.D
Acq On : 25 Mar 2016 17:16
Operator : UM/SJ
Sample : H1909-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 05 18:57:33 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: BM004781.D

(22) Perylene-d12 (I)

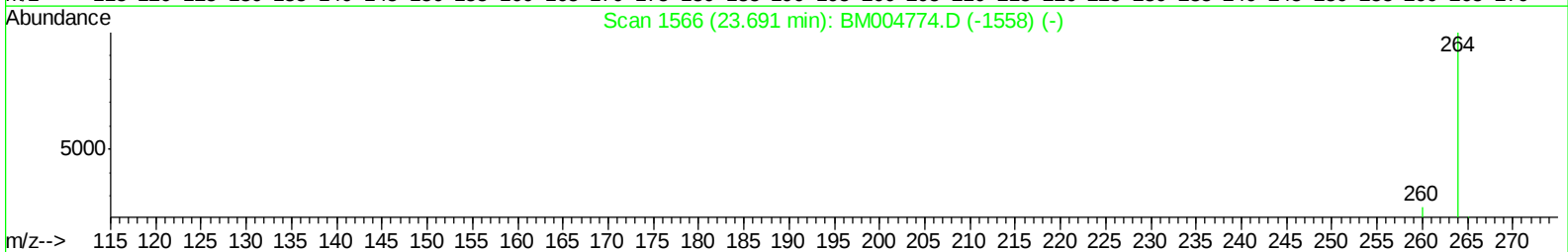
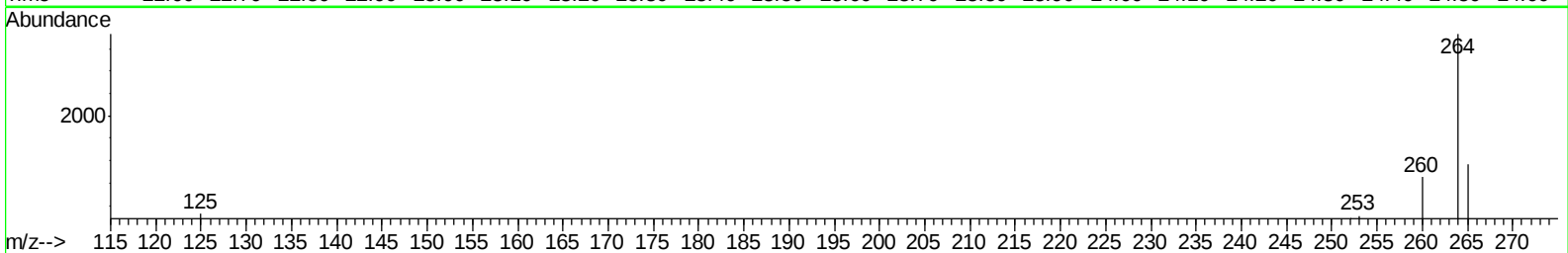
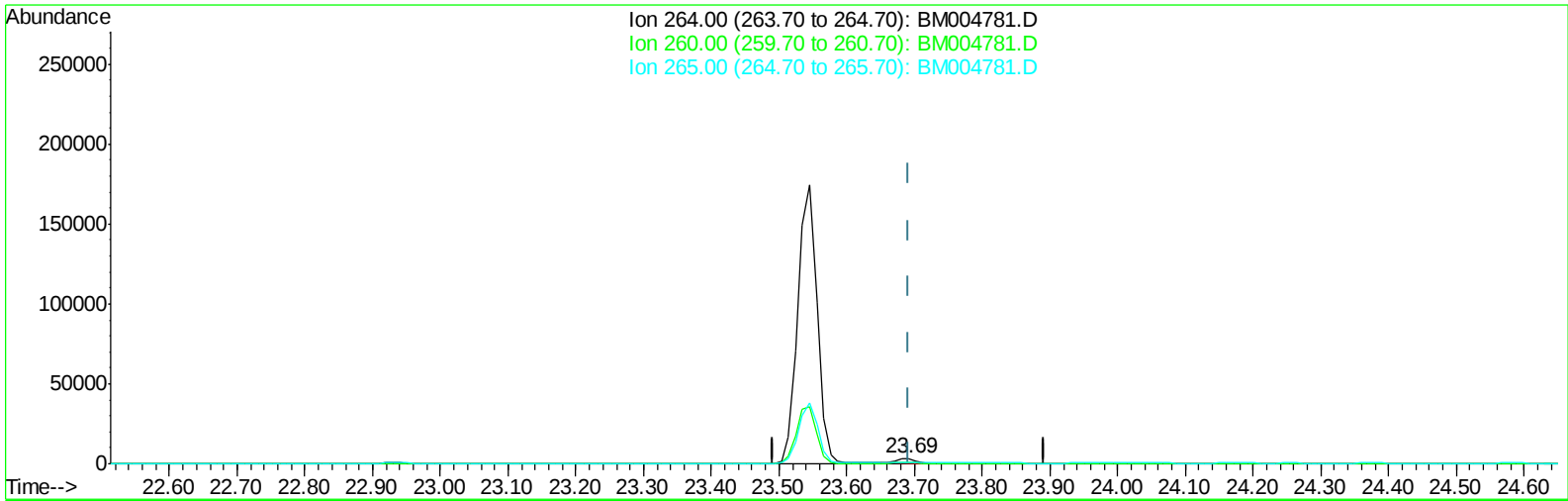
23.545min (-0.146) 0.40ng/ul

response 330674

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	20.58
265.00	38.20	21.94#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004781.D
Acq On : 25 Mar 2016 17:16
Operator : UM/SJ
Sample : H1909-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 05 18:57:33 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: BM004781.D

(22) Perylene-d12 (I)

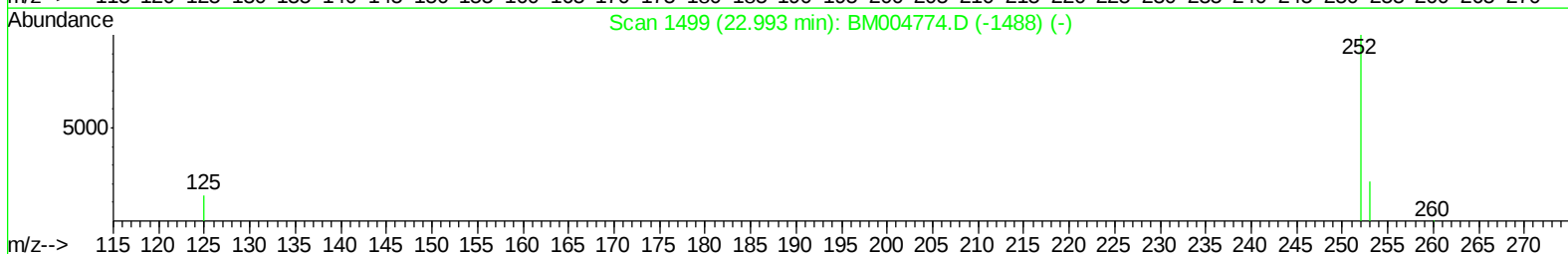
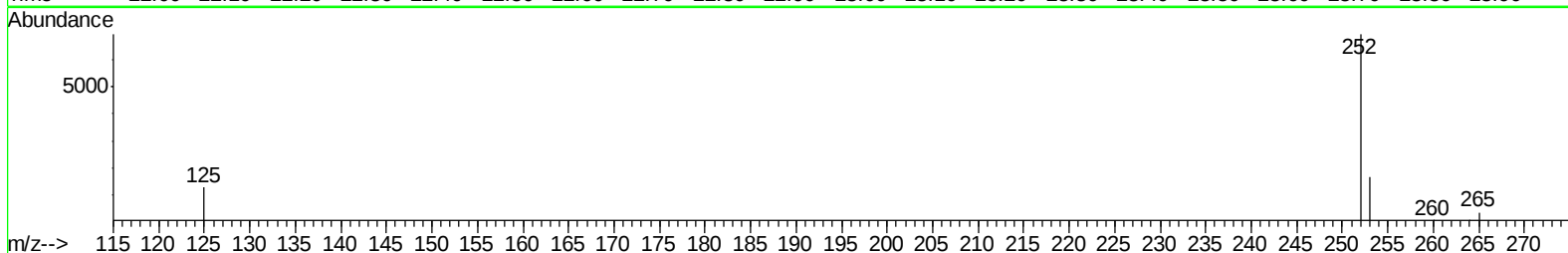
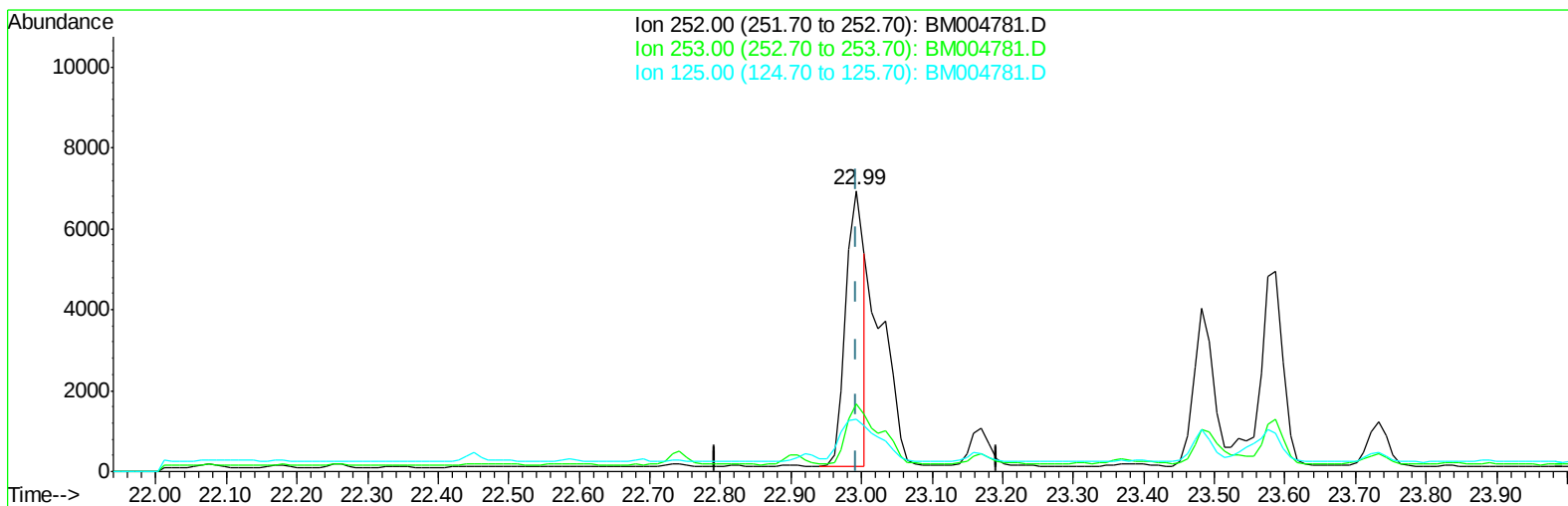
23.691min (-0.000) 0.40ng/ul m

response 6367

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	25.99
265.00	38.20	32.64
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004781.D
Acq On : 25 Mar 2016 17:16
Operator : UM/SJ
Sample : H1909-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 05 18:58:29 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



TIC: BM004781.D

(23) Benzo(b)fluoranthene

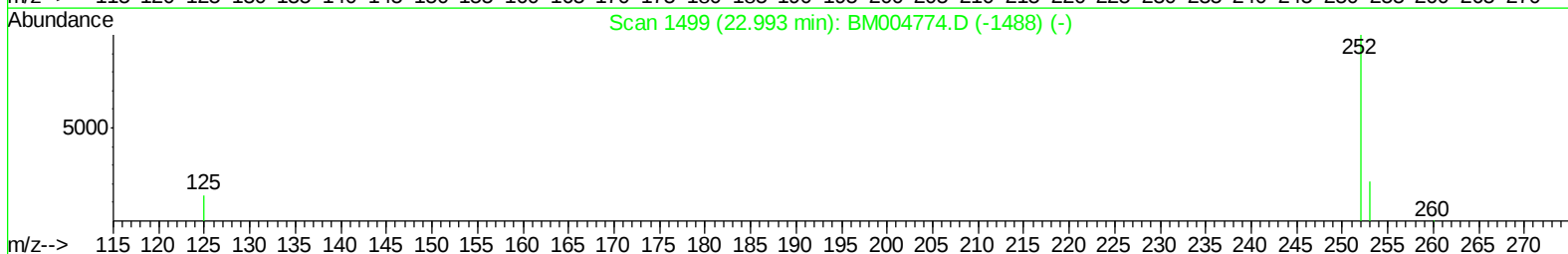
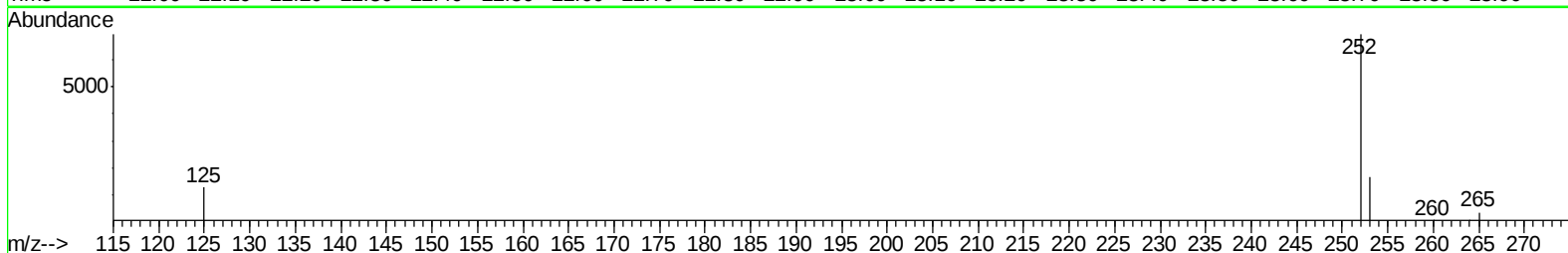
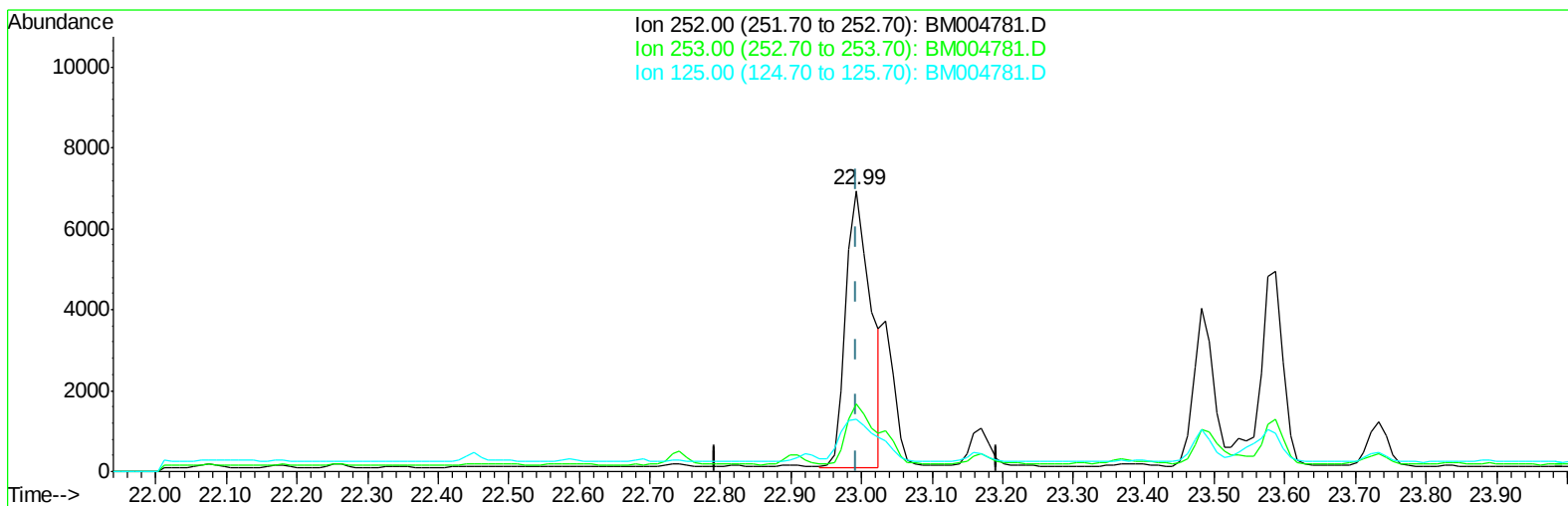
22.993min (-0.000) 0.57ng/ul

response 12260

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	24.20
125.00	14.40	18.51
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004781.D
Acq On : 25 Mar 2016 17:16
Operator : UM/SJ
Sample : H1909-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 05 18:58:29 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



TIC: BM004781.D

(23) Benzo(b)fluoranthene

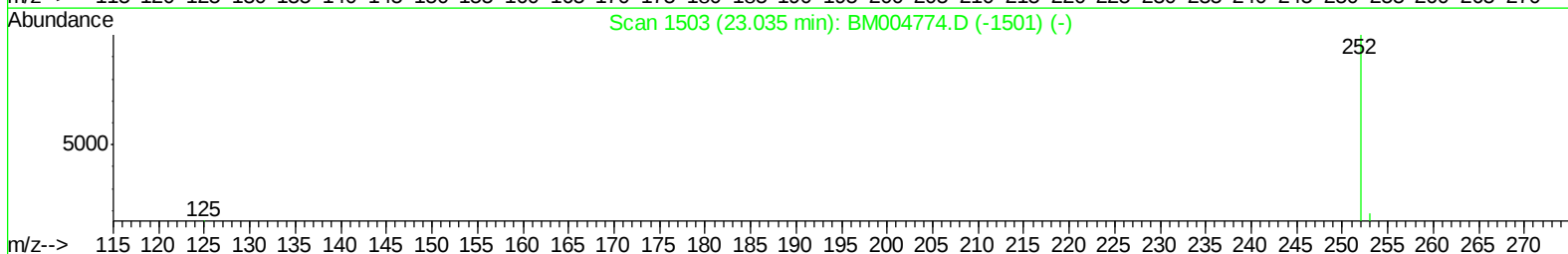
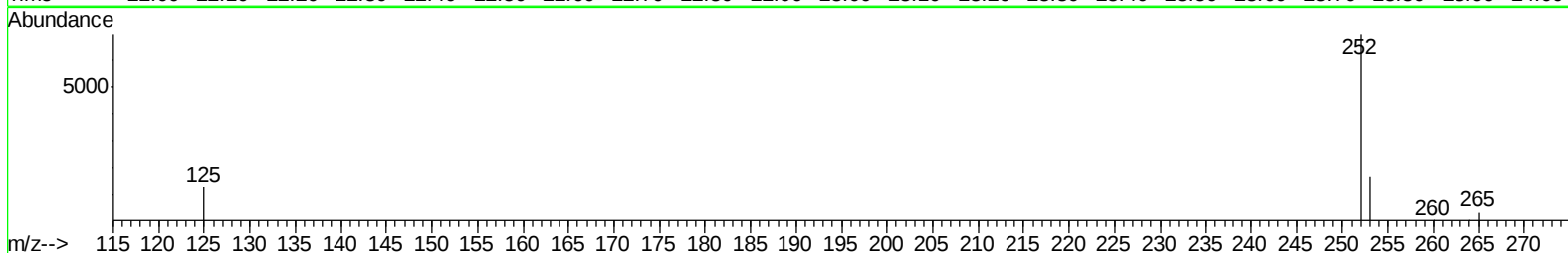
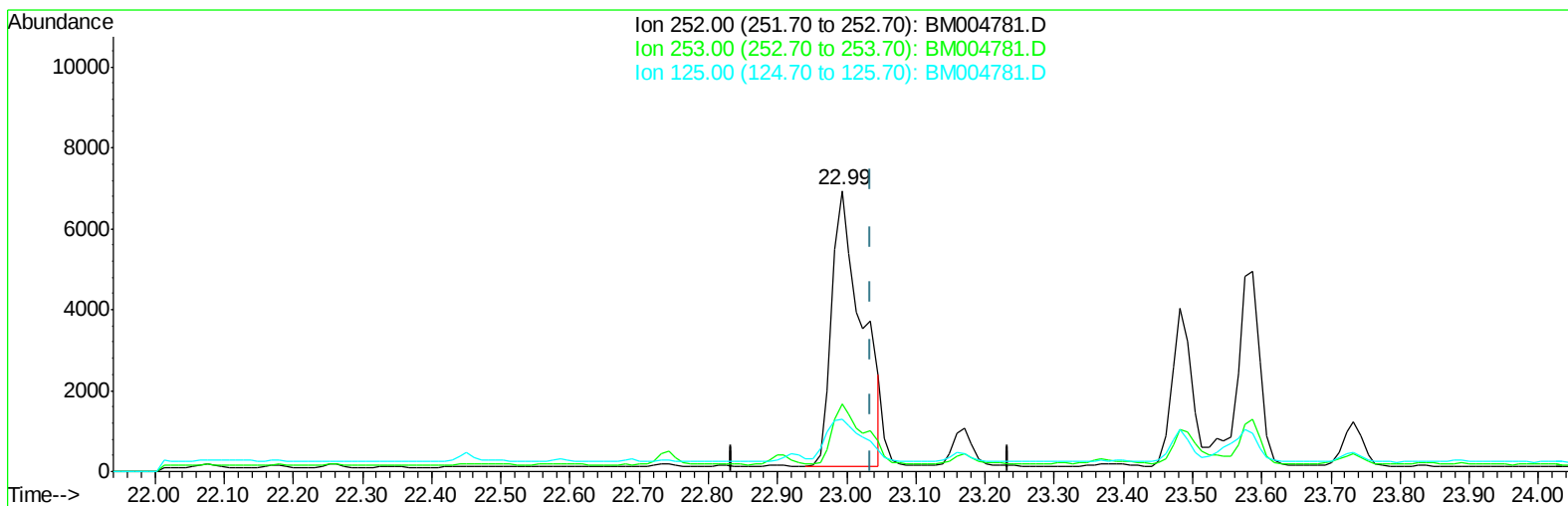
22.993min (-0.000) 0.79ng/ul m

response 16897

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	24.20
125.00	14.40	18.51
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004781.D
Acq On : 25 Mar 2016 17:16
Operator : UM/SJ
Sample : H1909-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 05 18:58:29 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



TIC: BM004781.D

(24) Benzo(k)fluoranthene

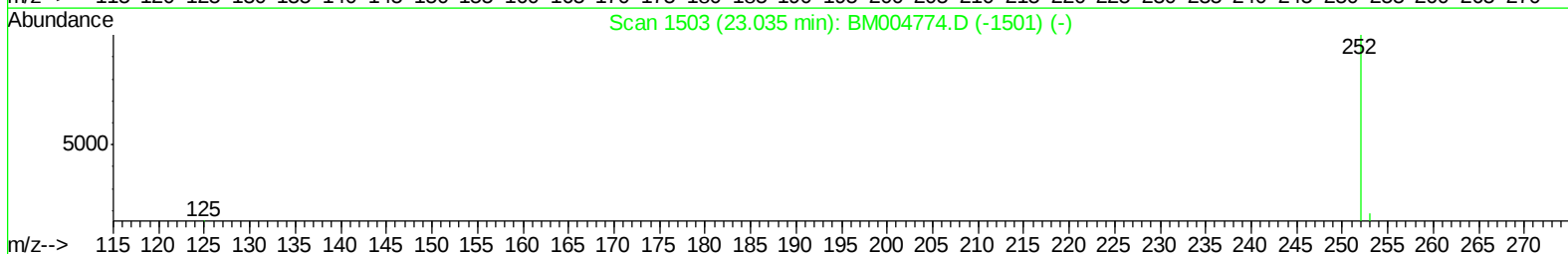
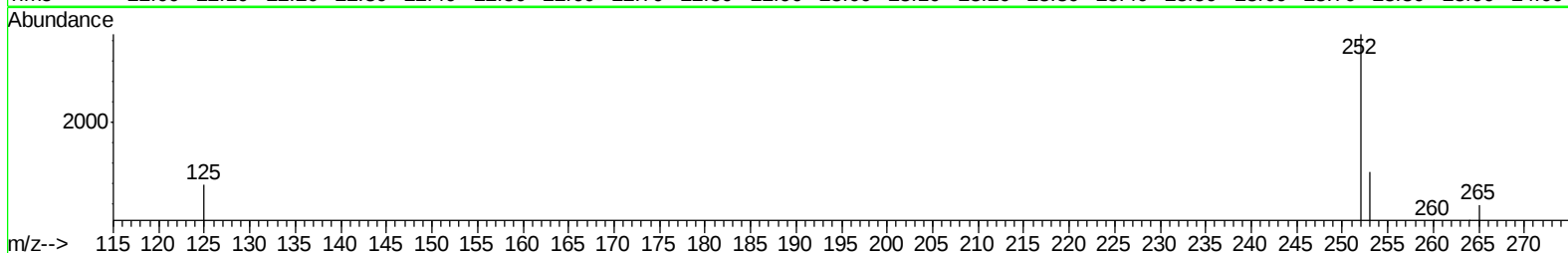
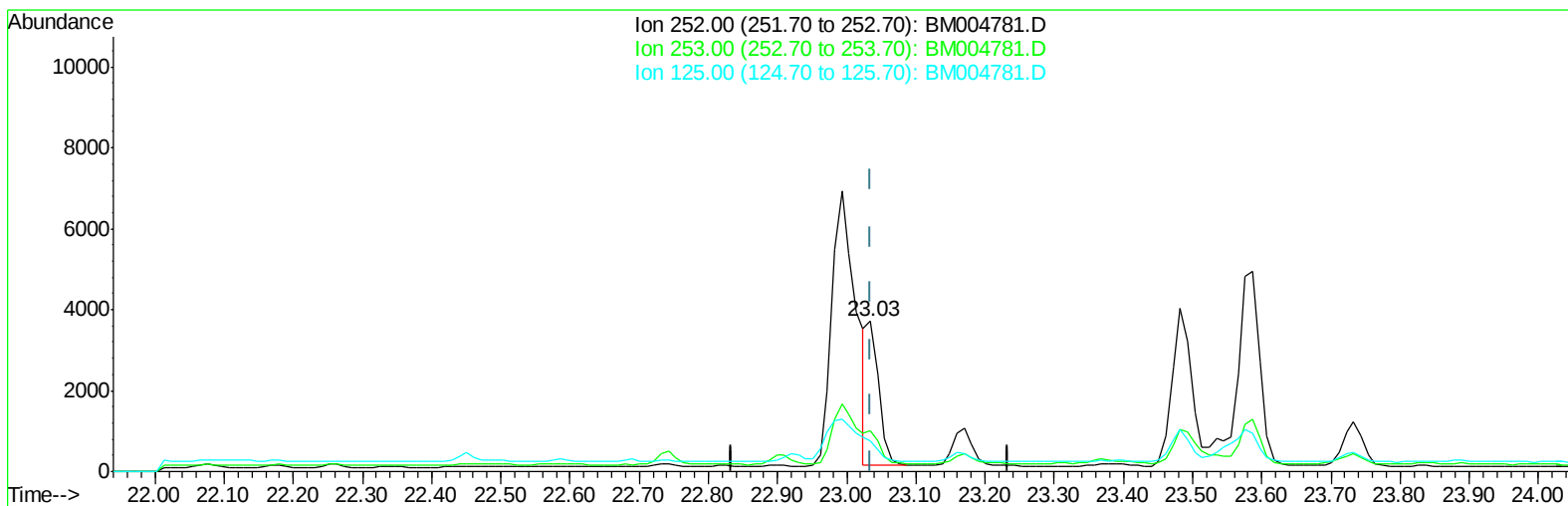
22.993min (-0.042) 1.03ng/ul

response 20436

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	24.20
125.00	13.00	18.51#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004781.D
Acq On : 25 Mar 2016 17:16
Operator : UM/SJ
Sample : H1909-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 05 18:58:29 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



TIC: BM004781.D

(24) Benzo(k)fluoranthene

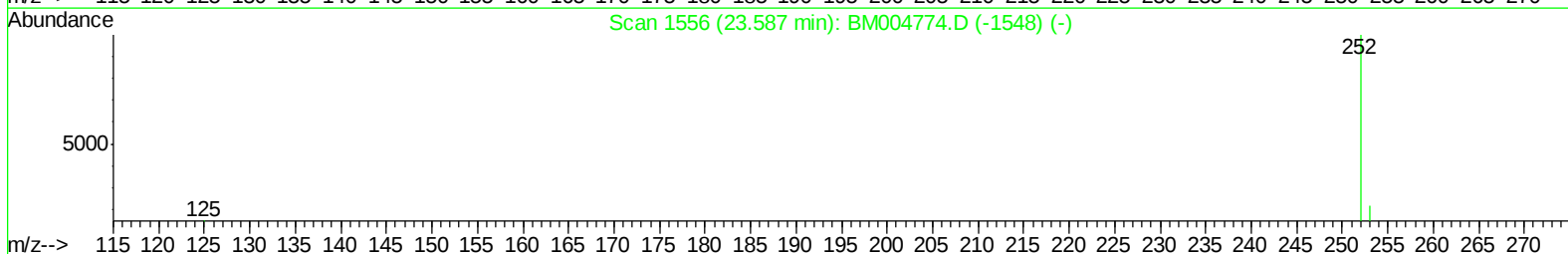
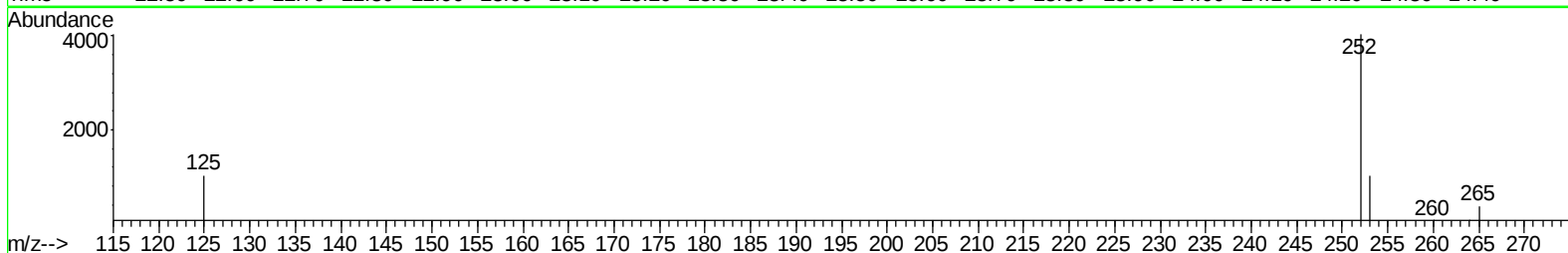
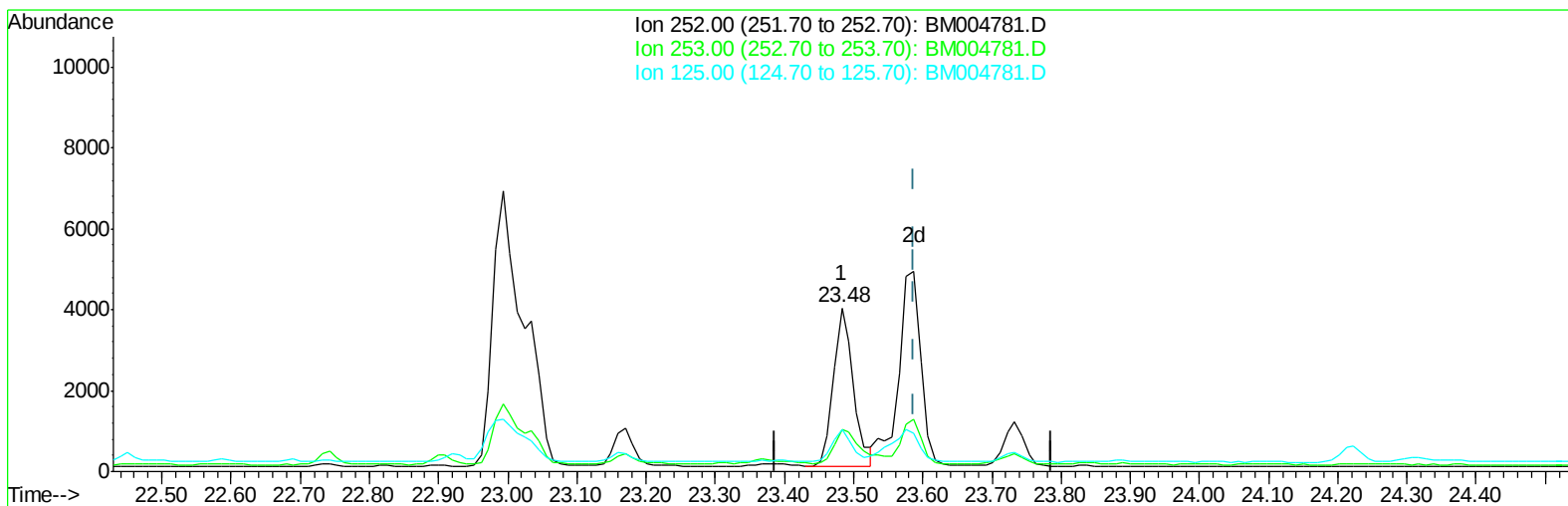
23.034min (-0.000) 0.21ng/ul m

response 4177

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	27.22
125.00	13.00	20.76#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004781.D
Acq On : 25 Mar 2016 17:16
Operator : UM/SJ
Sample : H1909-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 05 18:58:29 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



TIC: BM004781.D

(25) Benzo(a)pyrene (C)

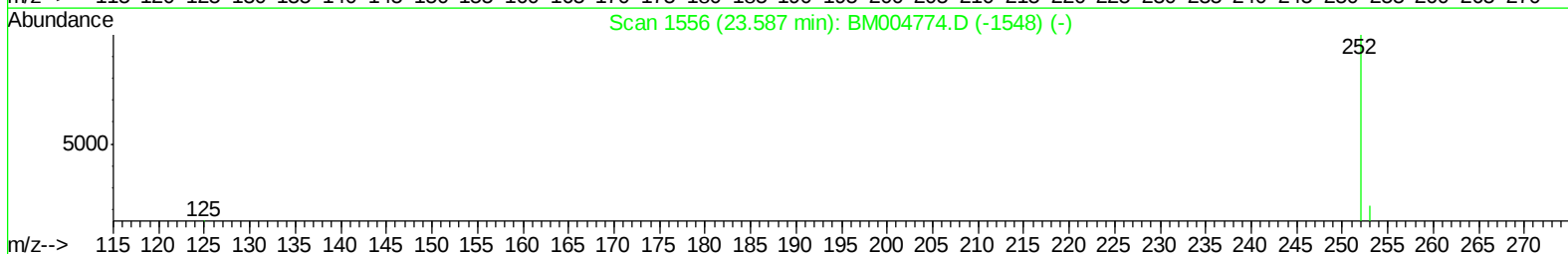
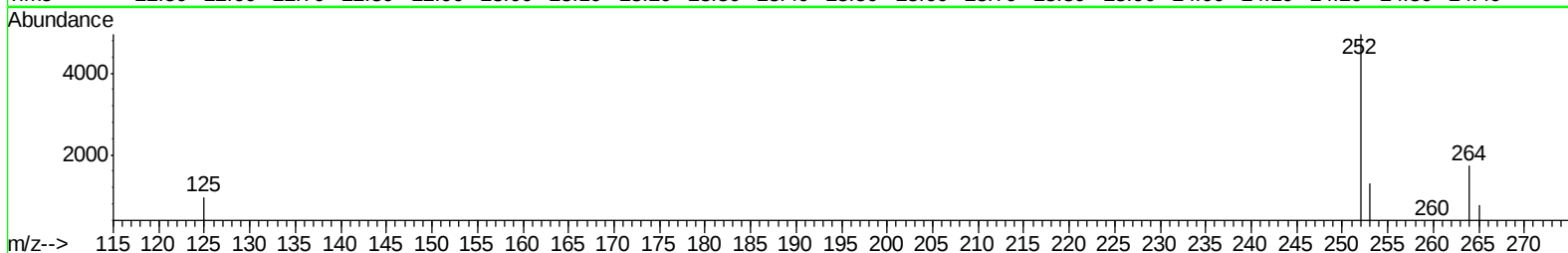
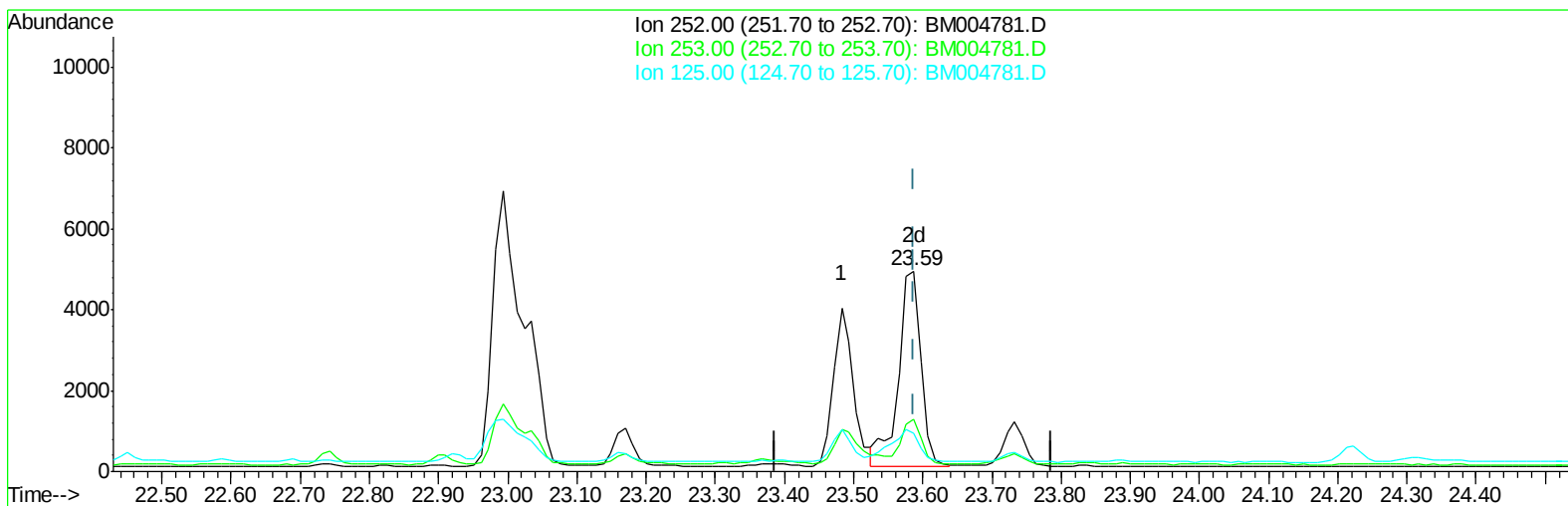
23.483min (-0.105) 0.40ng/ul

response 7834

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	25.60
125.00	15.90	25.50#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004781.D
Acq On : 25 Mar 2016 17:16
Operator : UM/SJ
Sample : H1909-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 05 18:58:29 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



TIC: BM004781.D

(25) Benzo(a)pyrene (C)

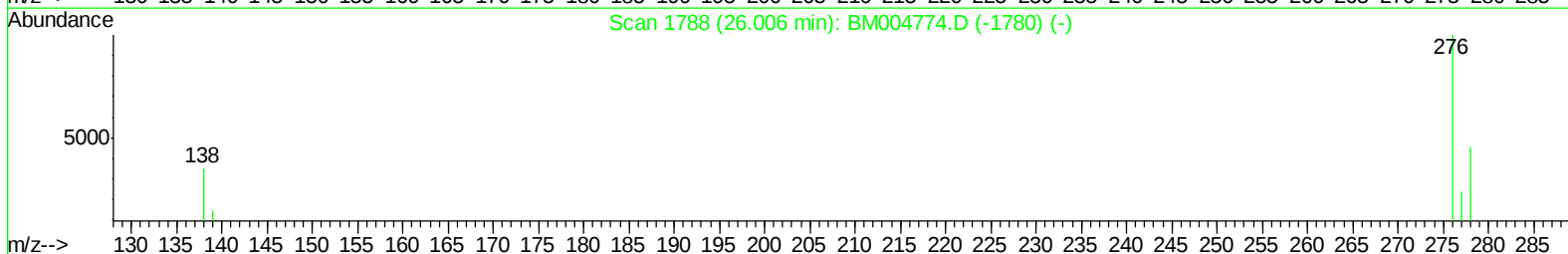
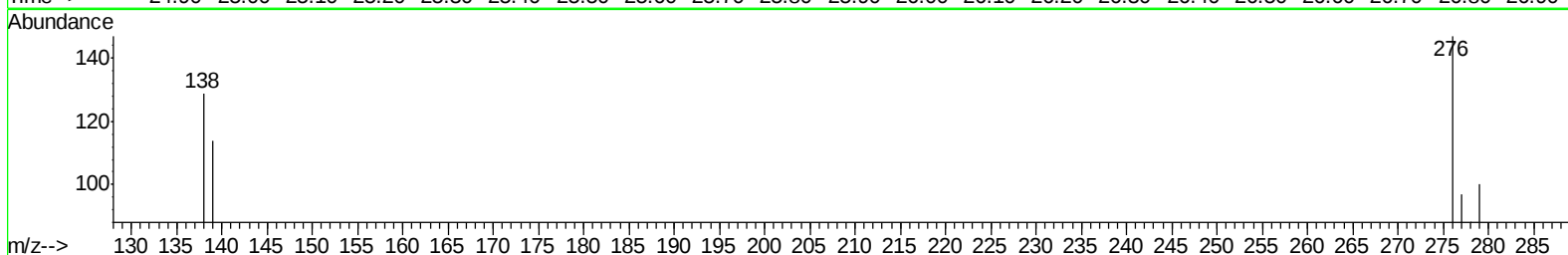
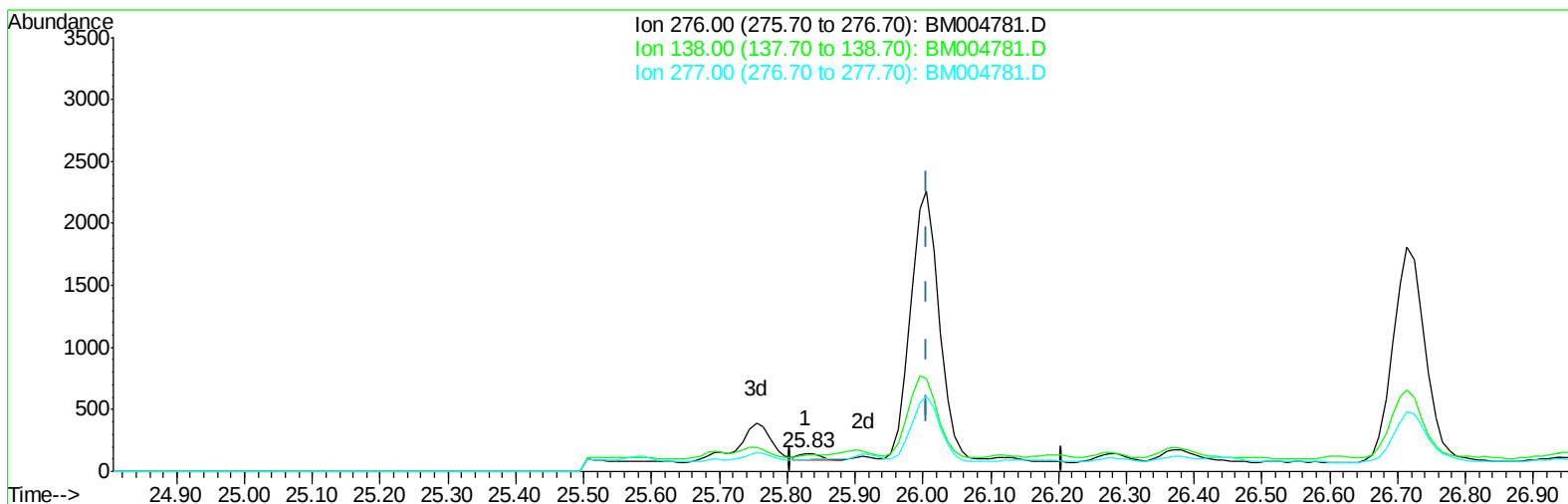
23.587min (-0.000) 0.56ng/ul m

response 10998

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	26.14
125.00	15.90	19.29#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004781.D
Acq On : 25 Mar 2016 17:16
Operator : UM/SJ
Sample : H1909-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 05 18:58:29 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



TIC: BM004781.D

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

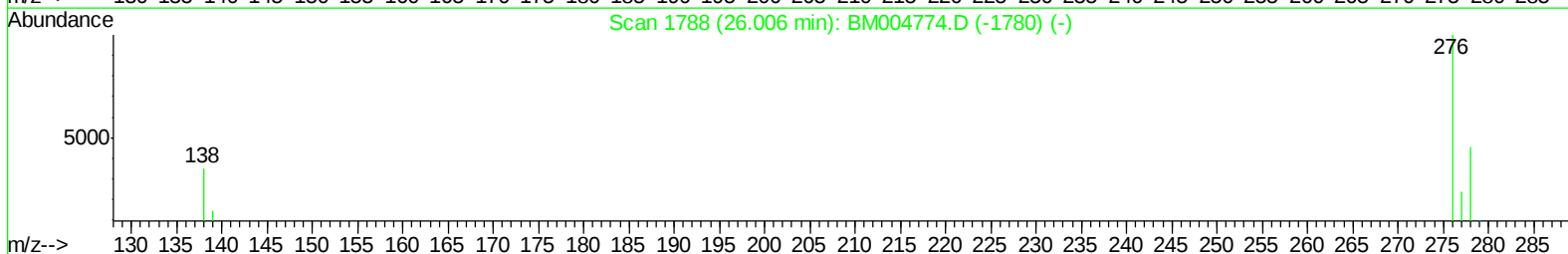
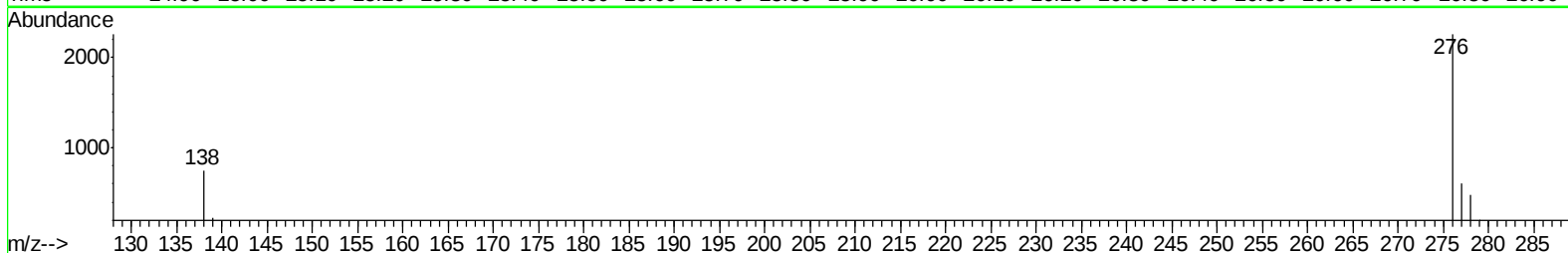
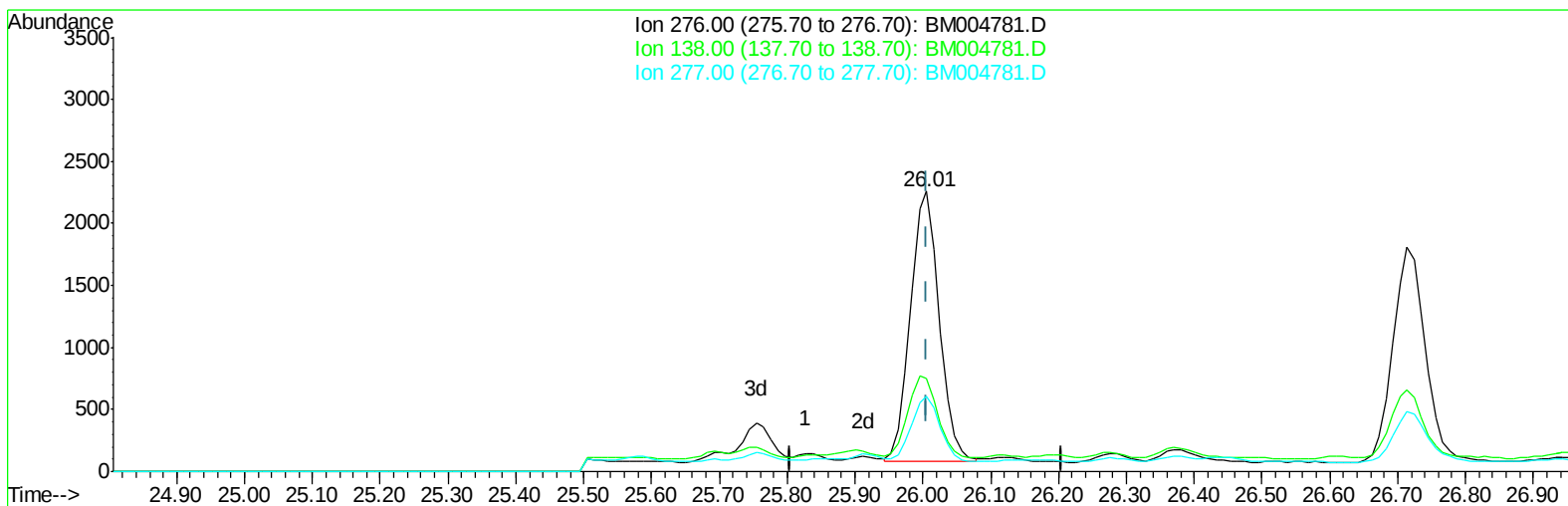
25.828min (-0.178) 0.01ng/ul

response 123

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

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004781.D
Acq On : 25 Mar 2016 17:16
Operator : UM/SJ
Sample : H1909-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 05 18:58:29 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



TIC: BM004781.D

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

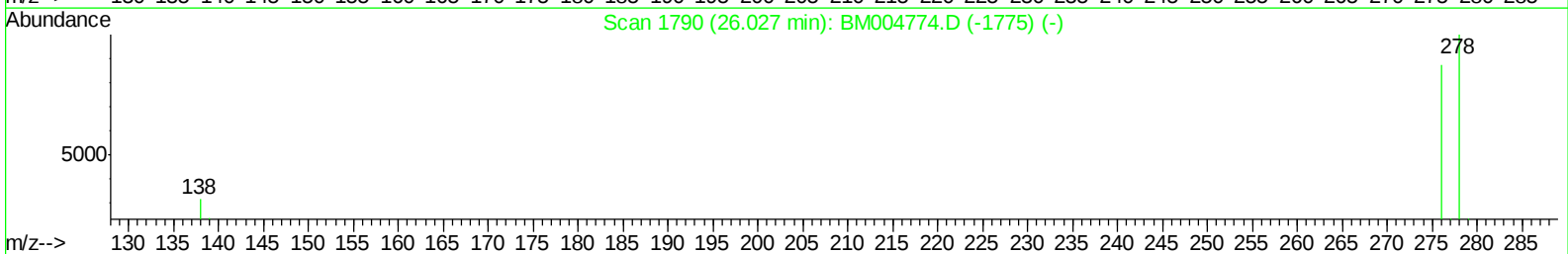
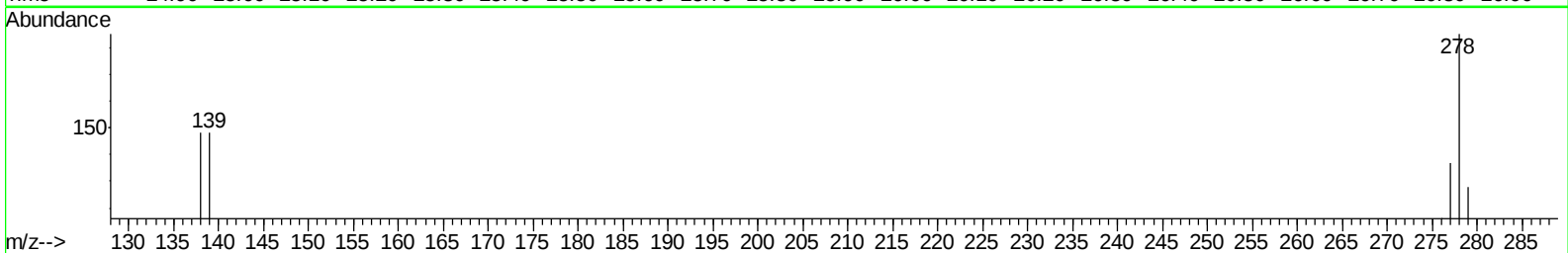
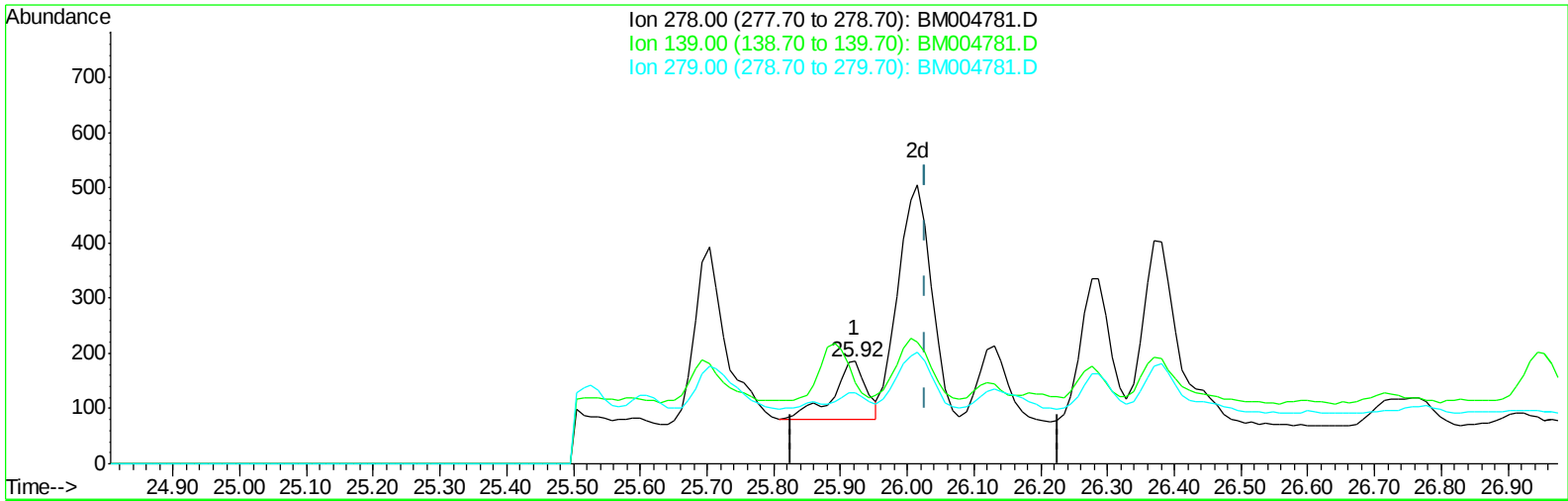
26.005min (-0.000) 0.35ng/ul m

response 6372

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

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004781.D
Acq On : 25 Mar 2016 17:16
Operator : UM/SJ
Sample : H1909-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 05 18:58:29 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



TIC: BM004781.D

(27) Dibenzo(a,h)anthracene

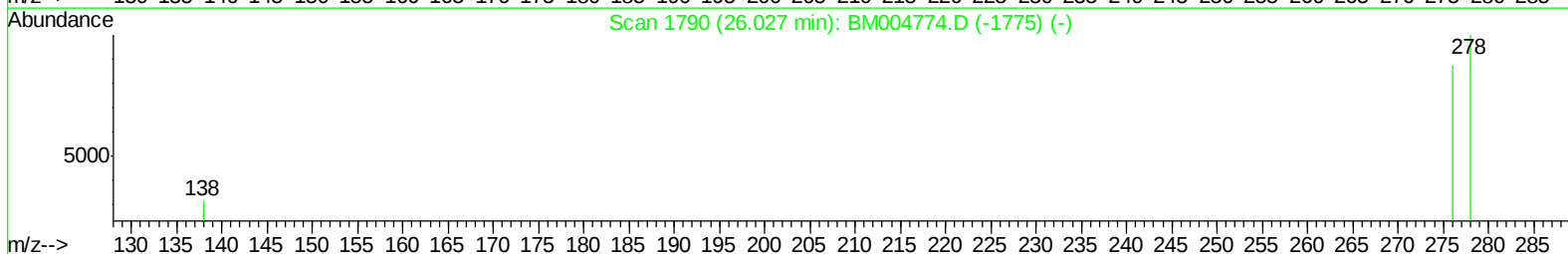
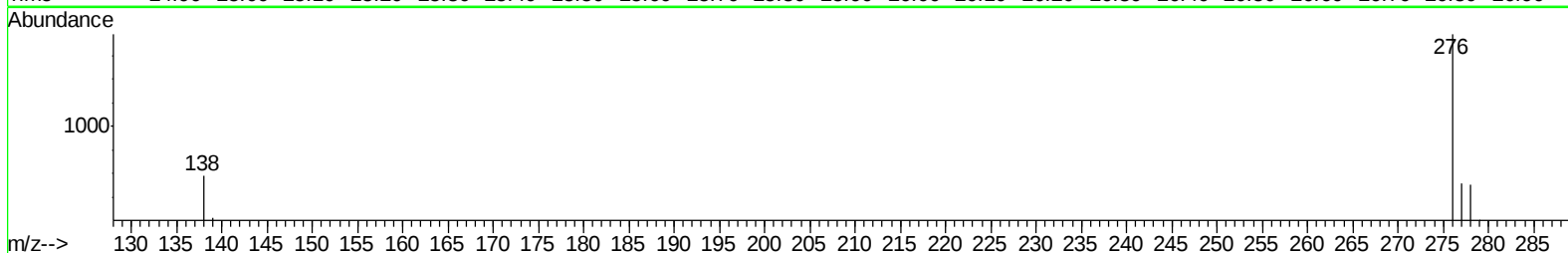
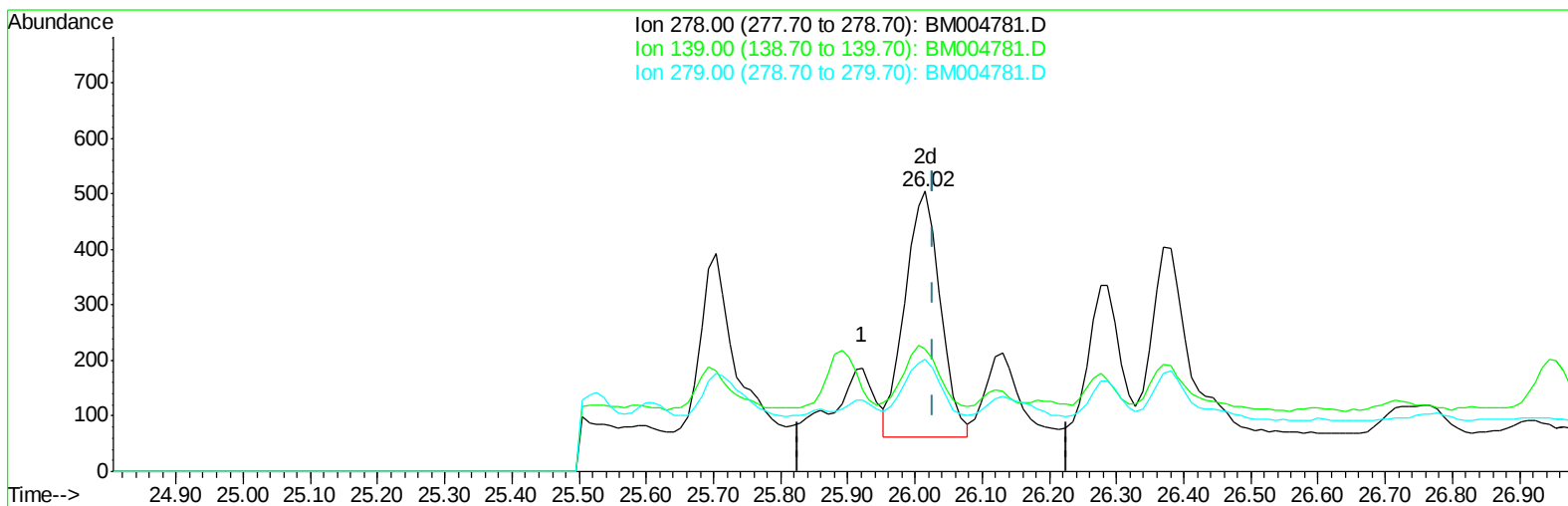
25.922min (-0.105) 0.03ng/ul

response 373

Ion	Exp%	Act%
278.00	100	100
139.00	20.50	80.00#
279.00	25.20	69.19#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004781.D
Acq On : 25 Mar 2016 17:16
Operator : UM/SJ
Sample : H1909-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 05 18:58:29 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



TIC: BM004781.D

(27) Dibenzo(a,h)anthracene

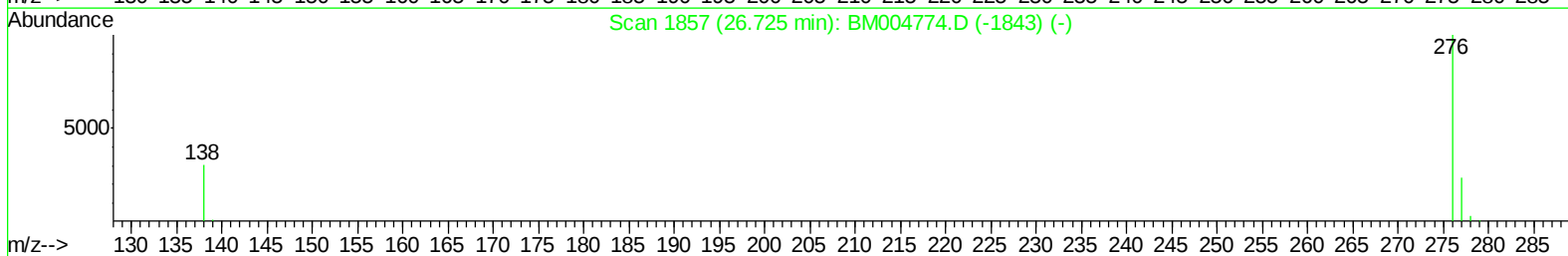
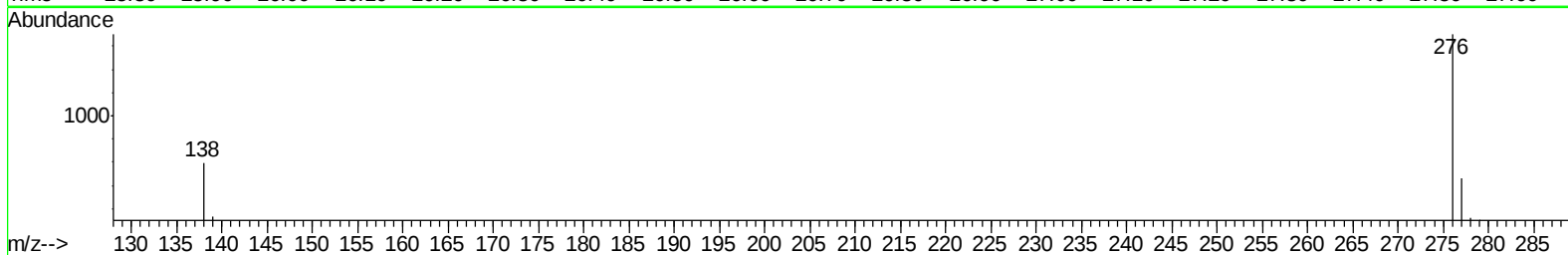
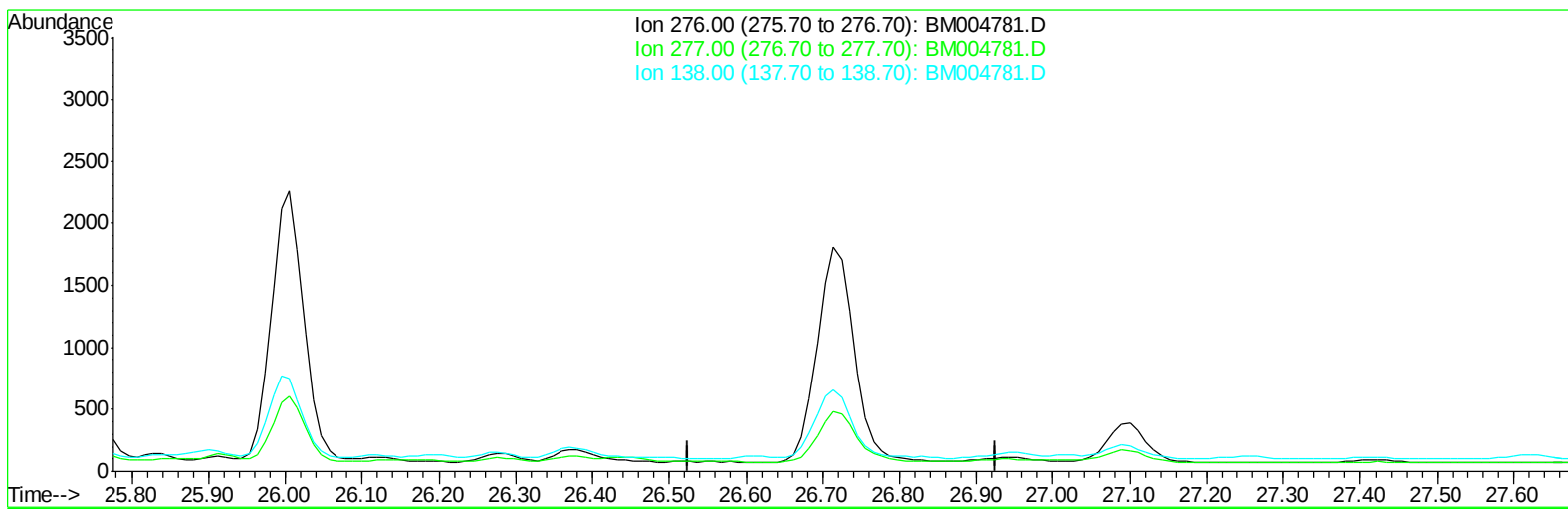
26.016min (-0.011) 0.11ng/ul m

response 1617

Ion	Exp%	Act%
278.00	100	100
139.00	20.50	43.76#
279.00	25.20	39.80#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004781.D
Acq On : 25 Mar 2016 17:16
Operator : UM/SJ
Sample : H1909-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 05 18:58:29 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



TIC: BM004781.D

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

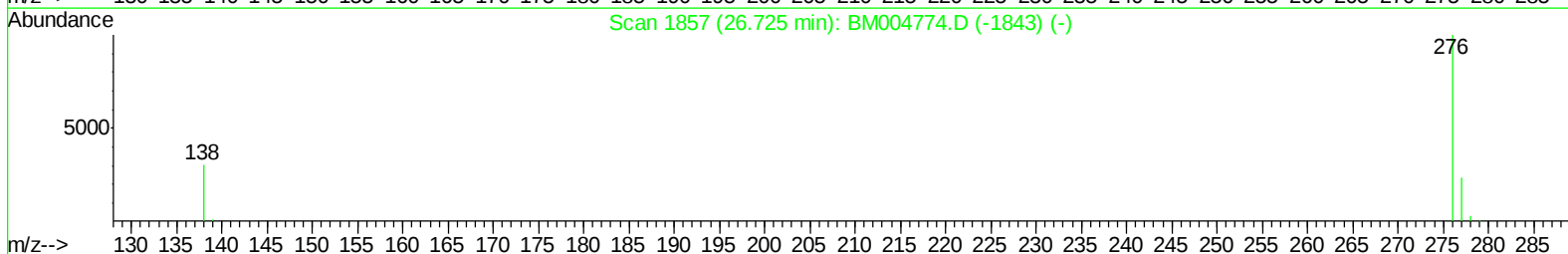
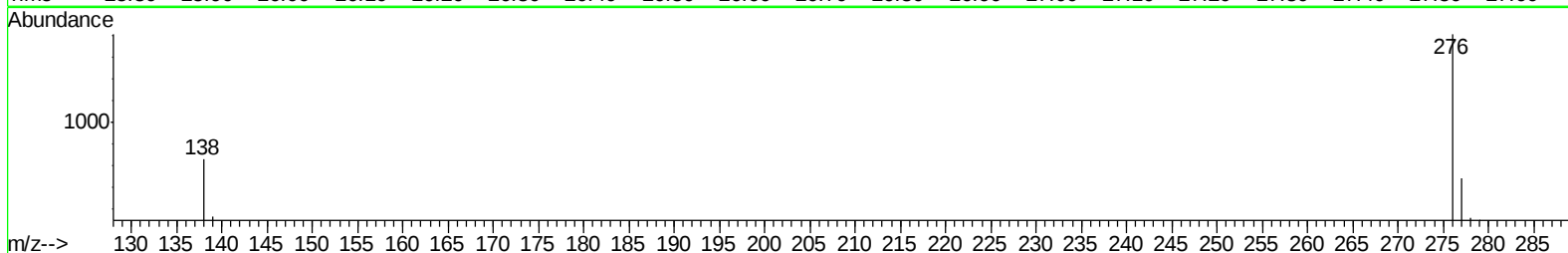
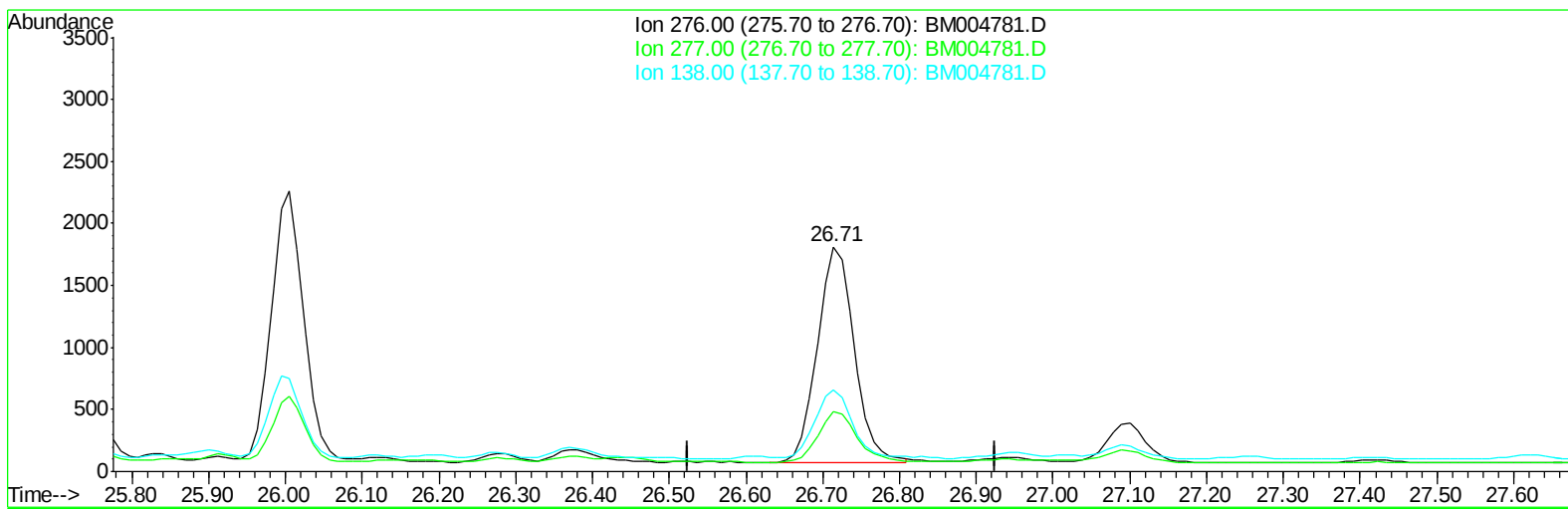
26.725min (-26.725) 0.00ng/ul

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\
Data File : BM004781.D
Acq On : 25 Mar 2016 17:16
Operator : UM/SJ
Sample : H1909-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 05 18:58:29 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



TIC: BM004781.D

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

26.714min (-0.011) 0.39ng/ul m

response 5821

Ion	Exp%	Act%
276.00	100	100
277.00	23.60	26.77
138.00	28.10	36.15#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
 Data File : BM004781.D
 Acq On : 25 Mar 2016 17:16
 Operator : UM/SJ
 Sample : H1909-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 05 19:01:06 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	1144	0.40	ng/ul	0.00
4) Naphthalene-d8	10.62	136	5312	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	3373	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	7758m	0.40	ng/ul	0.00
18) Chrysene-d12	21.40	240	7468	0.40	ng/ul	0.00
22) Perylene-d12	23.69	264	6367m	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.32	96	4486	8.70	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.21	152	1913	0.26	ng/ul	0.00
16) Fluoranthene-d10	19.24	212	4522	0.25	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	10.67	128	1179	0.09	ng/ul#	81
7) 2-Methylnaphthalene	12.28	142	196	0.02	ng/ul	94
9) Acenaphthylene	14.18	152	1167	0.08	ng/ul#	90
11) Fluorene	15.51	166	362	0.03	ng/ul#	76
14) Phenanthrene	17.24	178	7435	0.34	ng/ul	95
15) Anthracene	17.33	178	1802	0.09	ng/ul#	87
17) Fluoranthene	19.27	202	21876	0.88	ng/ul	97
19) Pyrene	19.63	202	20267	0.79	ng/ul	97
20) Benzo(a)anthracene	21.38	228	9797	0.43	ng/ul#	92
21) Chrysene	21.43	228	10848	0.49	ng/ul	95
23) Benzo(b)fluoranthene	22.99	252	16897m	0.79	ng/ul	
24) Benzo(k)fluoranthene	23.03	252	4177m	0.21	ng/ul	
25) Benzo(a)pyrene	23.59	252	10998m	0.56	ng/ul	
26) Indeno(1,2,3-cd)pyrene	26.01	276	6372m	0.35	ng/ul	
27) Dibenzo(a,h)anthracene	26.02	278	1617m	0.11	ng/ul	
28) Benzo(g,h,i)perylene	26.71	276	5821m	0.39	ng/ul	

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

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