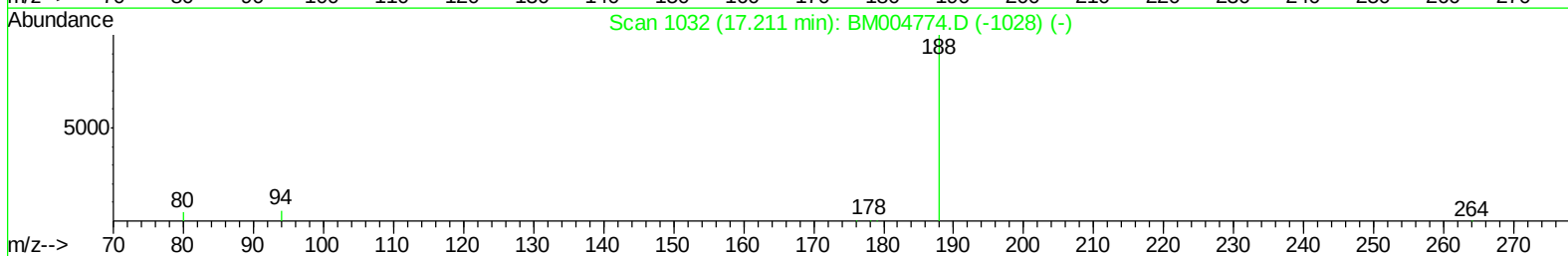
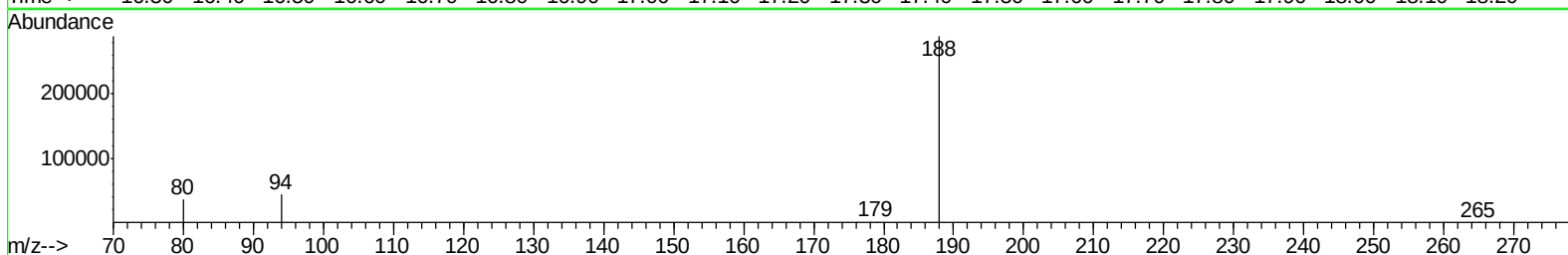
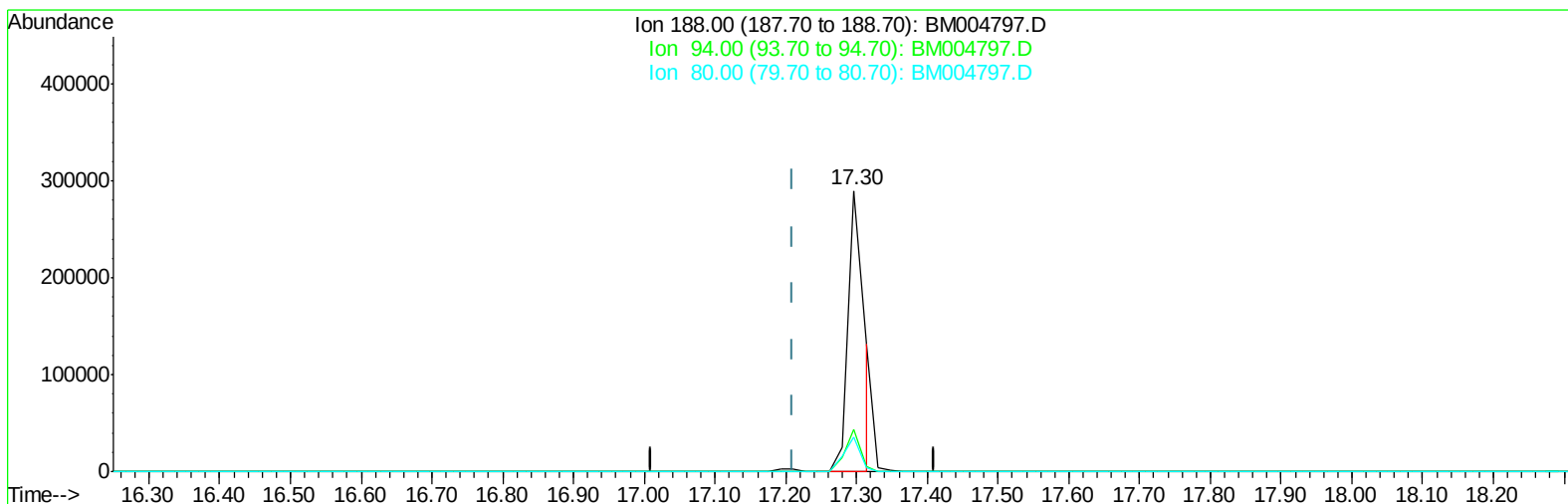


Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004797.D
Acq On : 26 Mar 2016 03:34
Operator : UM/SJ
Sample : H1909-16
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 05 19:48:54 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: BM004797.D

(12) Phenanthrene-d10 (I)

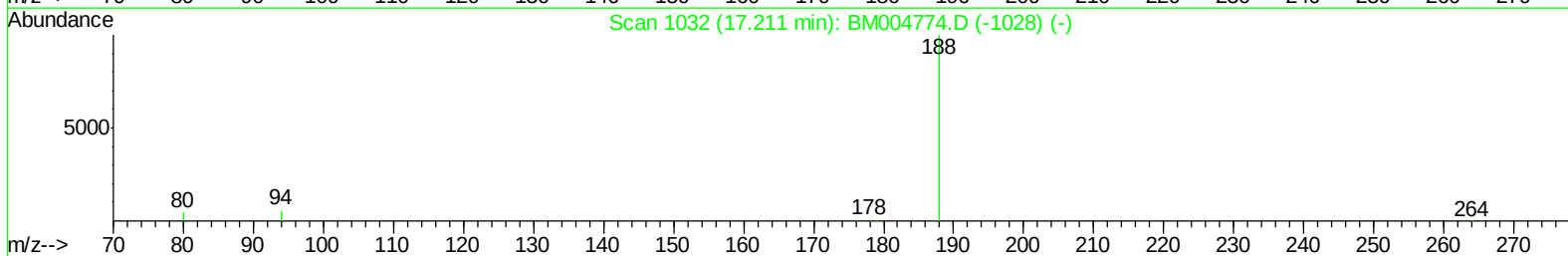
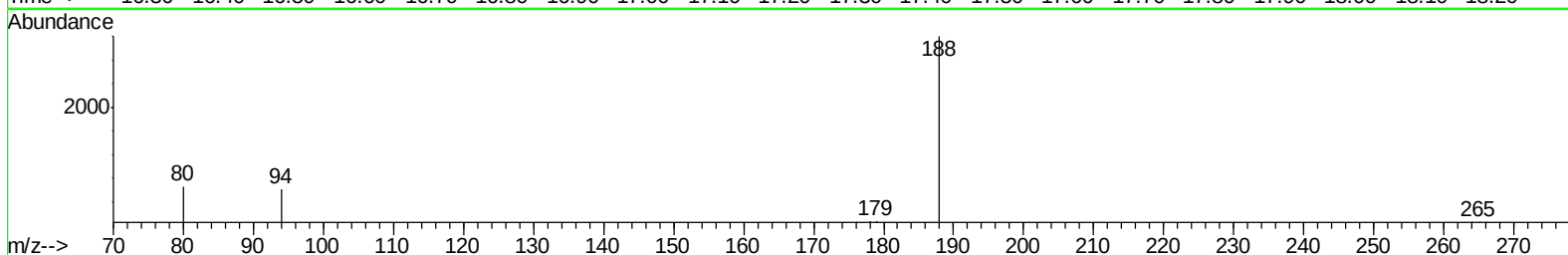
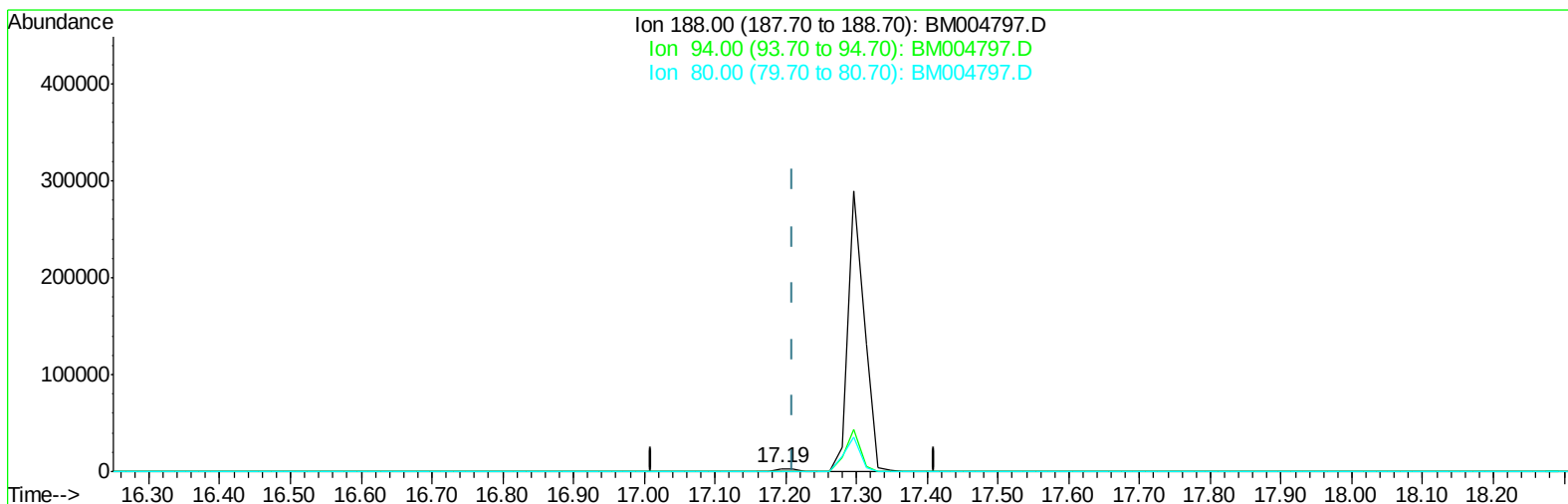
17.296min (+0.085) 0.40ng/ul

response 460003

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	15.06#
80.00	11.90	12.28
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004797.D
Acq On : 26 Mar 2016 03:34
Operator : UM/SJ
Sample : H1909-16
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 05 19:48:54 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: BM004797.D

(12) Phenanthrene-d10 (I)

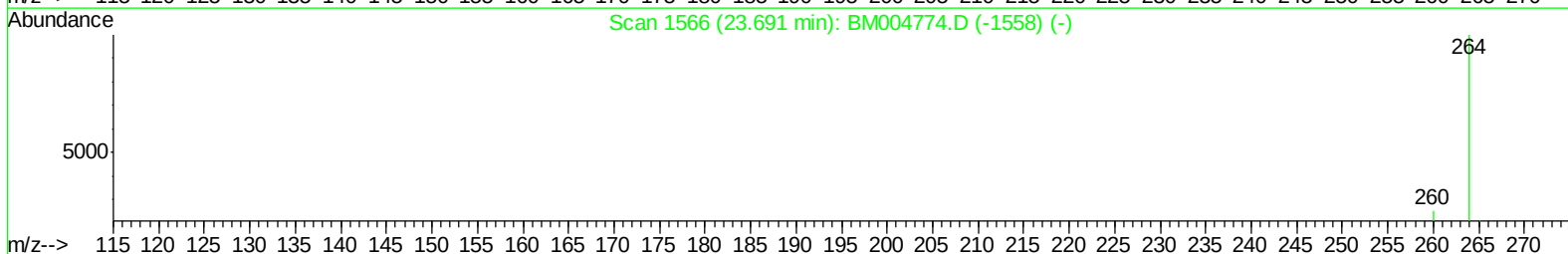
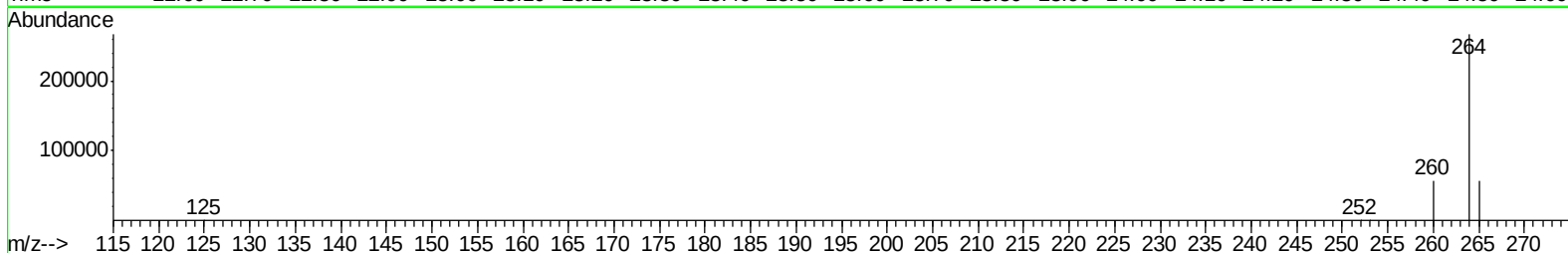
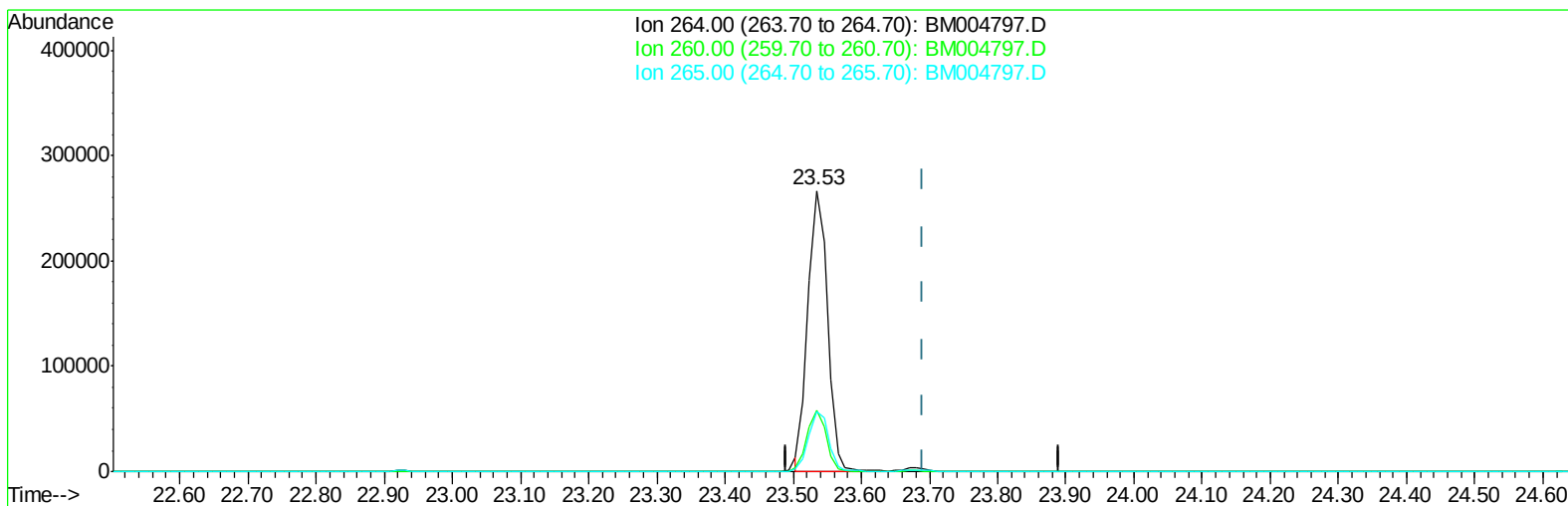
17.193min (-0.018) 0.40ng/ul m

response 6905

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	19.29#
80.00	11.90	20.64#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004797.D
Acq On : 26 Mar 2016 03:34
Operator : UM/SJ
Sample : H1909-16
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 05 19:50:09 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: BM004797.D

(22) Perylene-d12 (I)

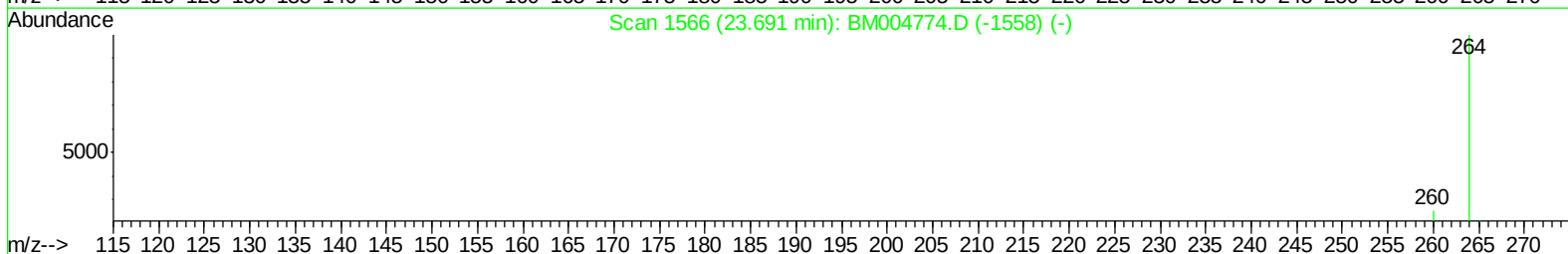
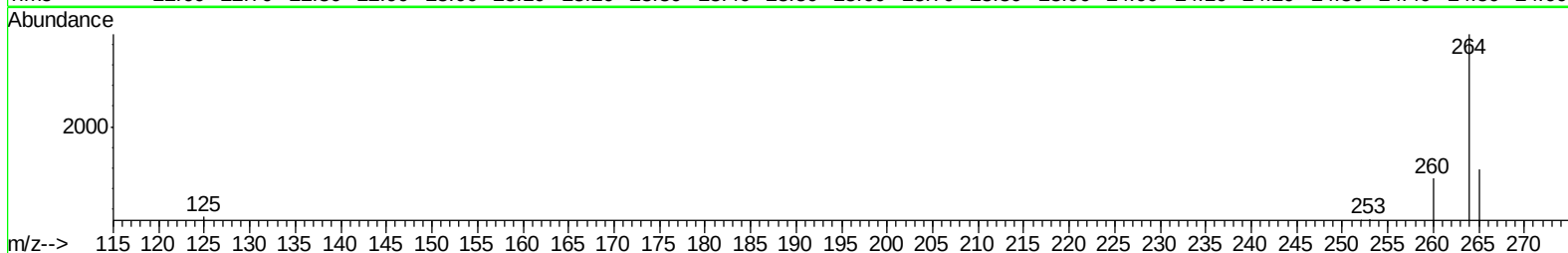
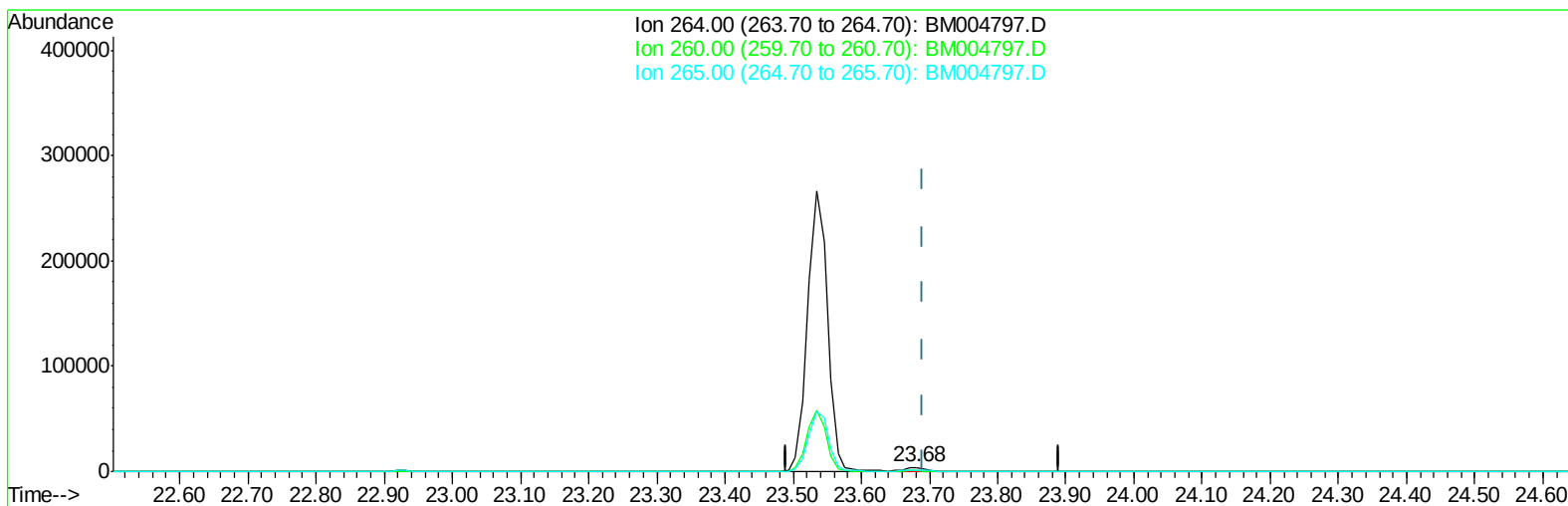
23.535min (-0.157) 0.40ng/ul

response 524897

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	21.73
265.00	38.20	21.21#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004797.D
Acq On : 26 Mar 2016 03:34
Operator : UM/SJ
Sample : H1909-16
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 05 19:50:09 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: BM004797.D

(22) Perylene-d12 (I)

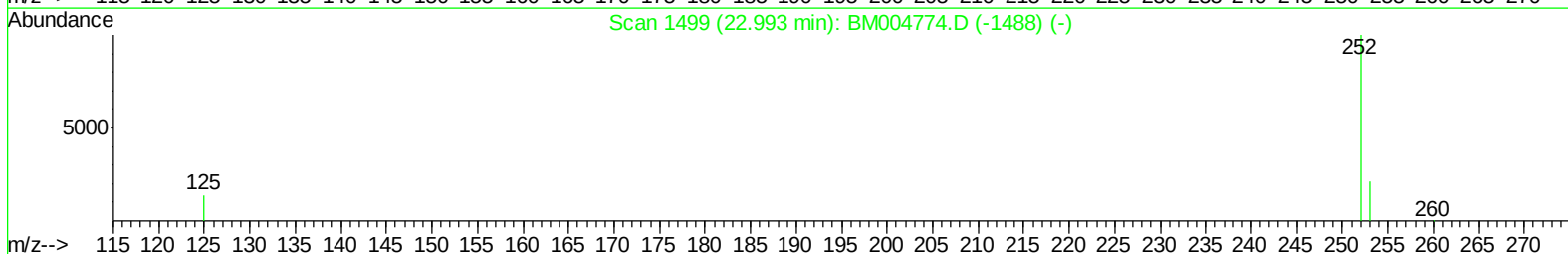
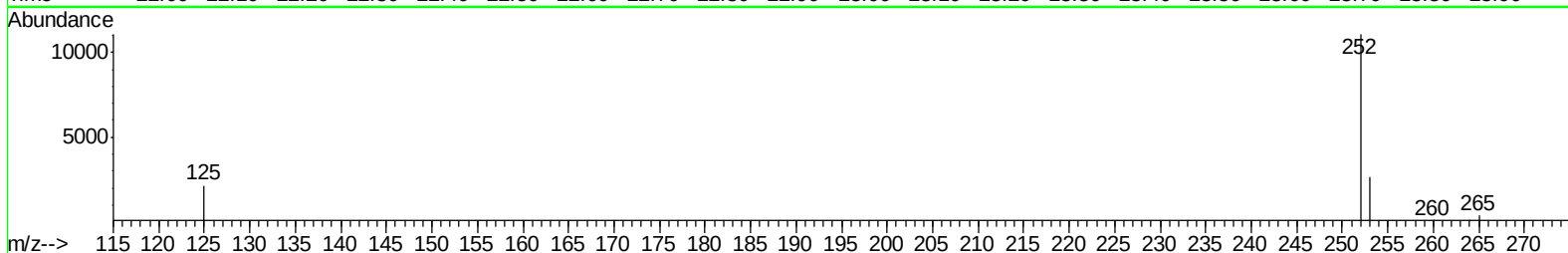
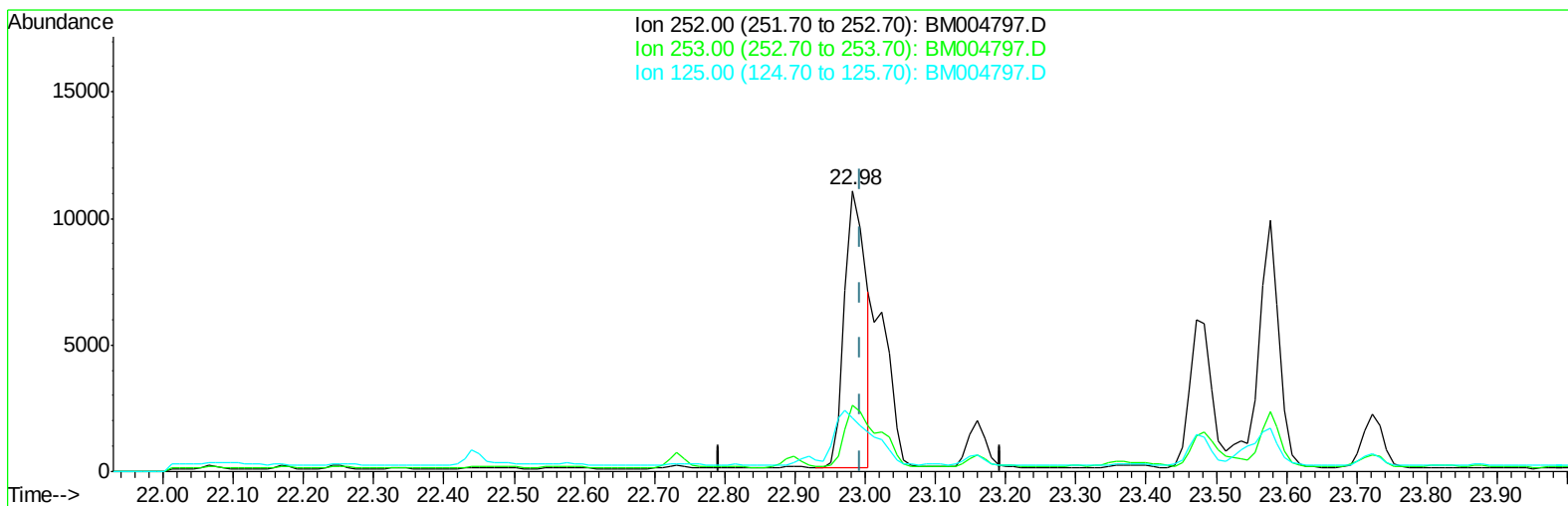
23.680min (-0.011) 0.40ng/ul m

response 6618

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	26.22
265.00	38.20	31.12
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004797.D
Acq On : 26 Mar 2016 03:34
Operator : UM/SJ
Sample : H1909-16
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 05 19:51:16 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: BM004797.D

(23) Benzo(b)fluoranthene

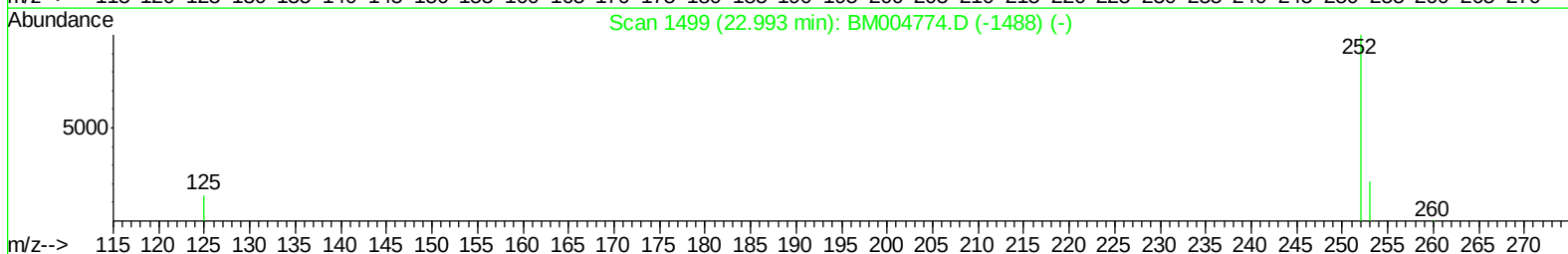
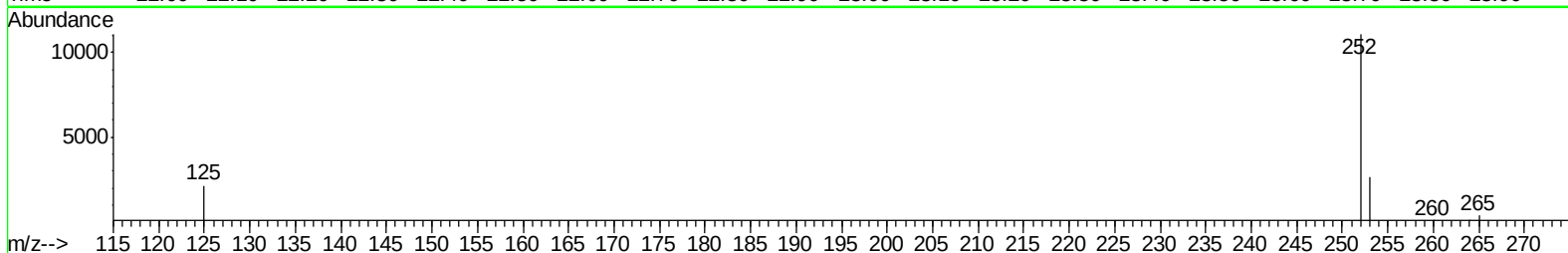
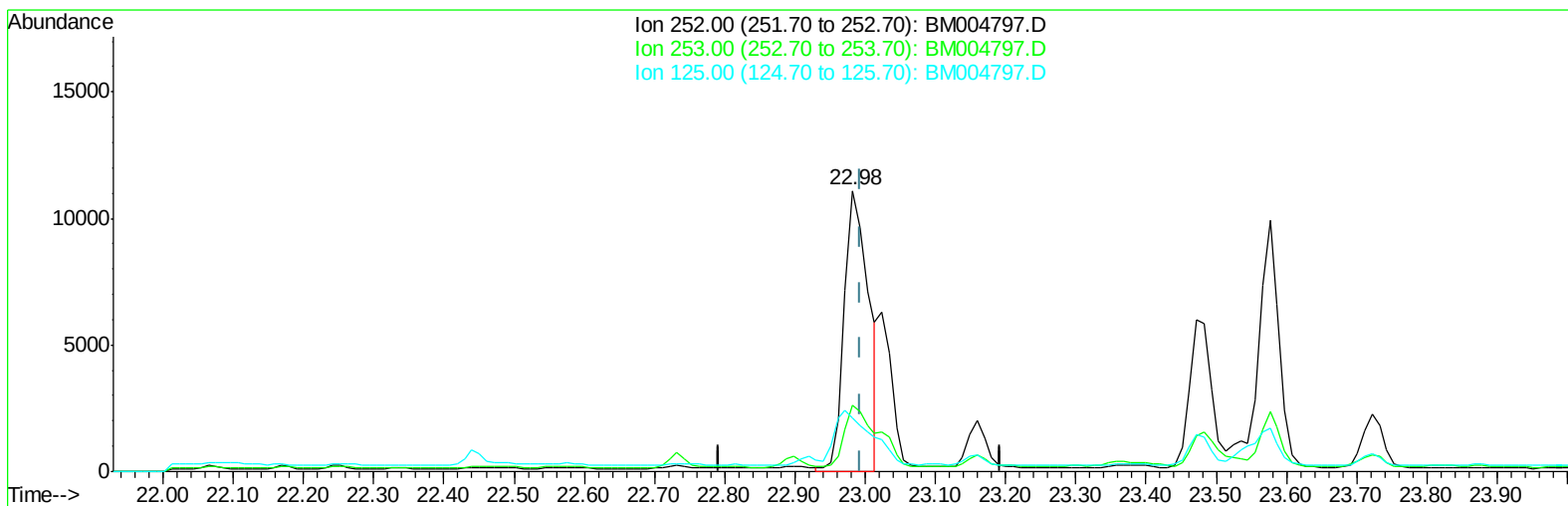
22.982min (-0.011) 1.03ng/ul

response 22904

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	23.55
125.00	14.40	19.24
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004797.D
Acq On : 26 Mar 2016 03:34
Operator : UM/SJ
Sample : H1909-16
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 05 19:51:16 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: BM004797.D

(23) Benzo(b)fluoranthene

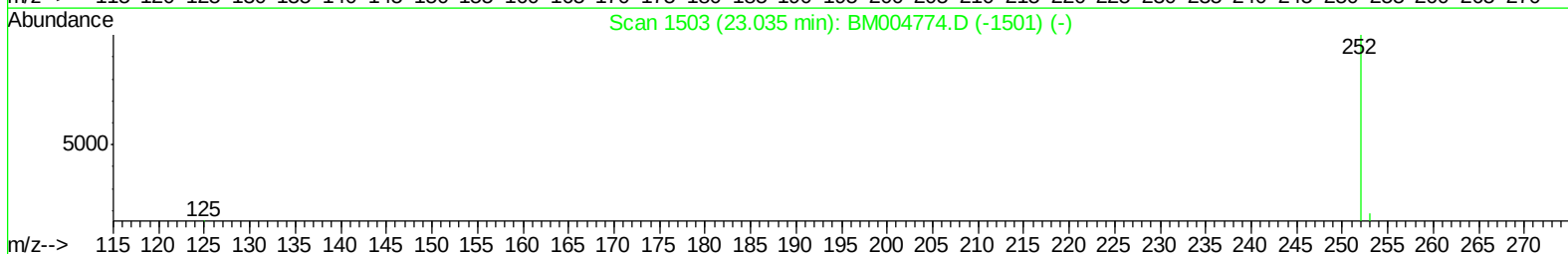
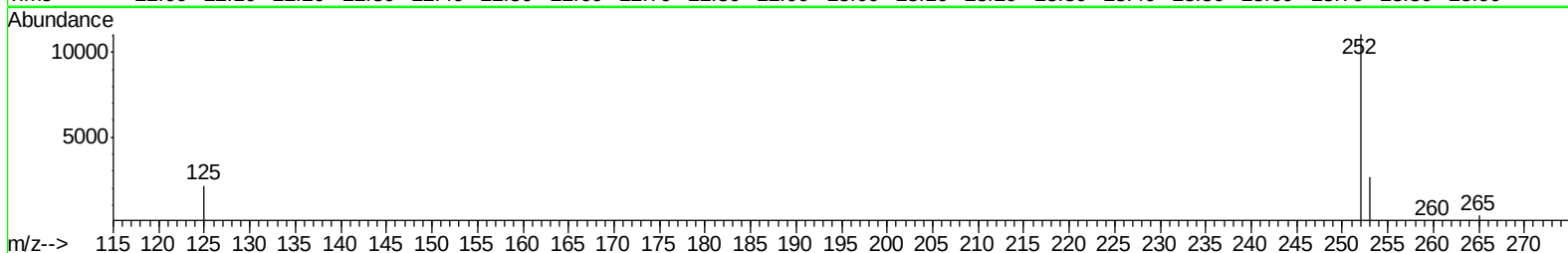
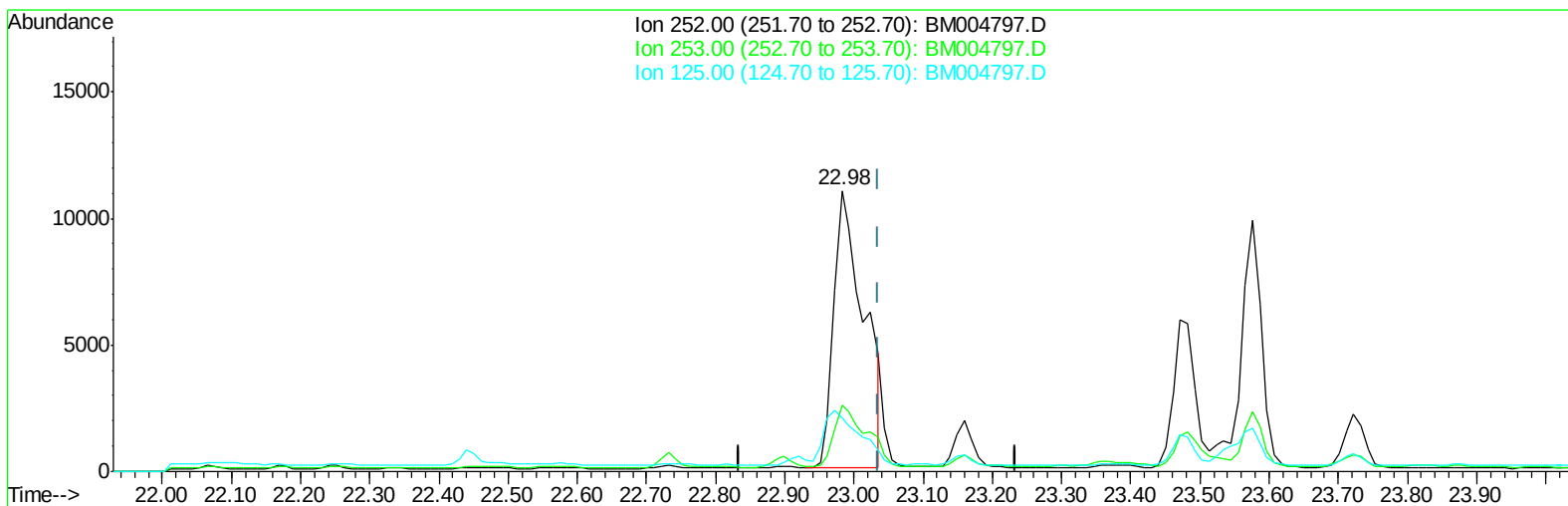
22.982min (-0.011) 1.22ng/ul m

response 27226

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	23.55
125.00	14.40	19.24
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004797.D
Acq On : 26 Mar 2016 03:34
Operator : UM/SJ
Sample : H1909-16
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 05 19:51:16 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: BM004797.D

(24) Benzo(k)fluoranthene

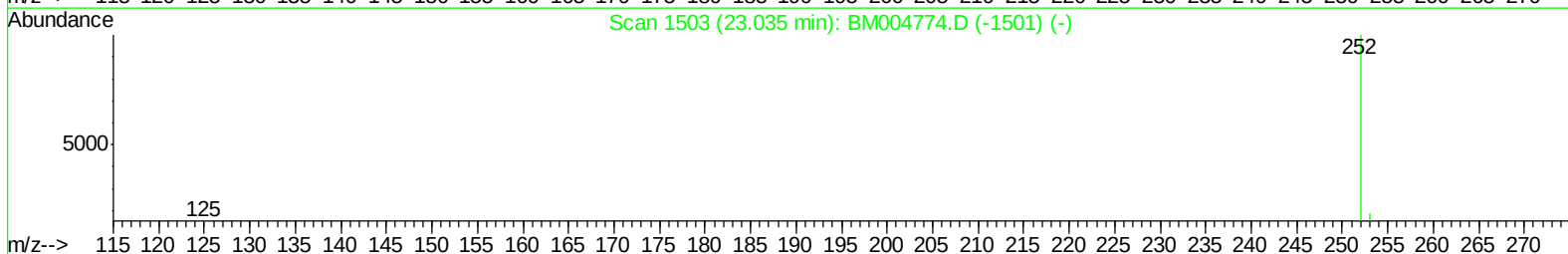
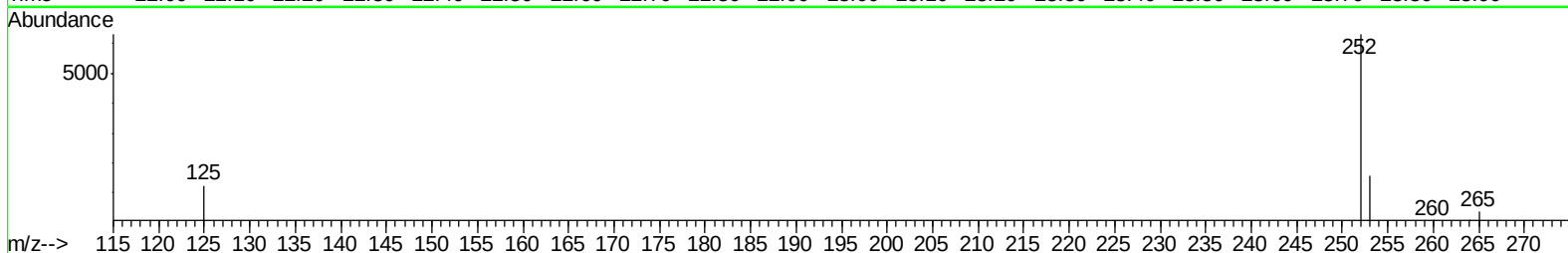
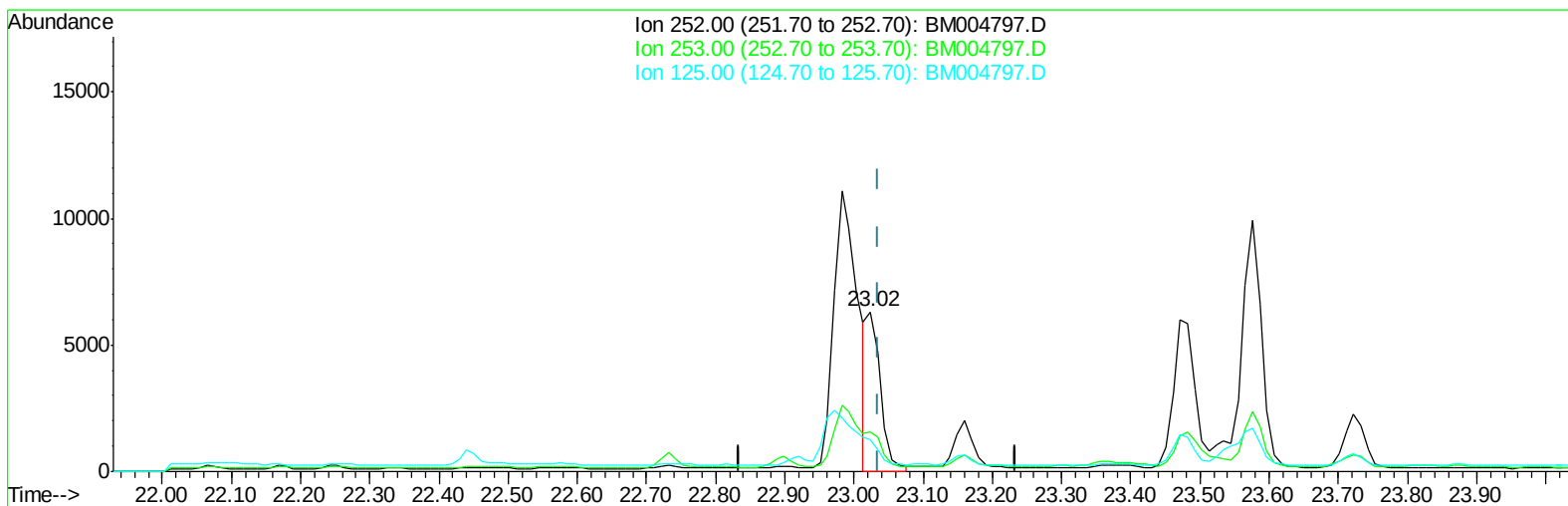
22.982min (-0.053) 1.61ng/ul

response 33229

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	23.55
125.00	13.00	19.24#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004797.D
Acq On : 26 Mar 2016 03:34
Operator : UM/SJ
Sample : H1909-16
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 05 19:51:16 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: BM004797.D

(24) Benzo(k)fluoranthene

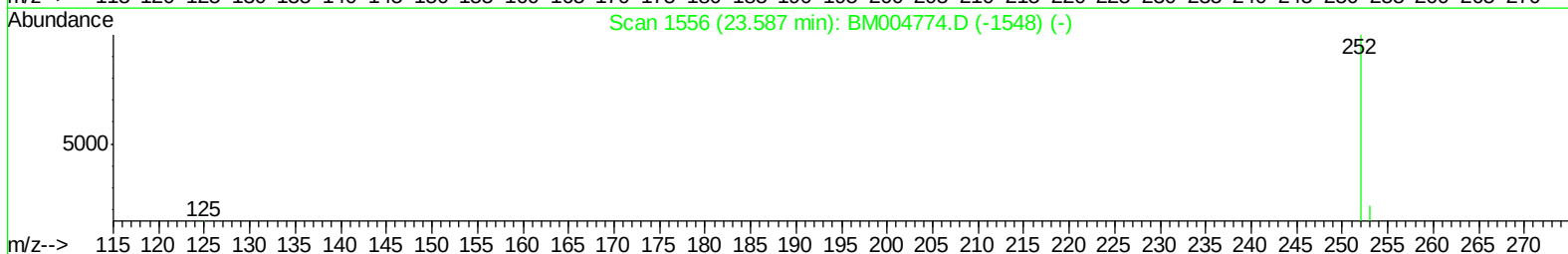
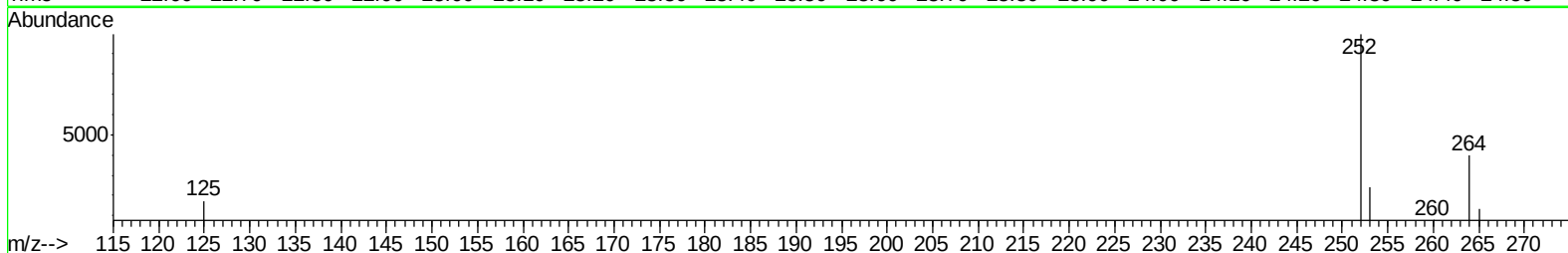
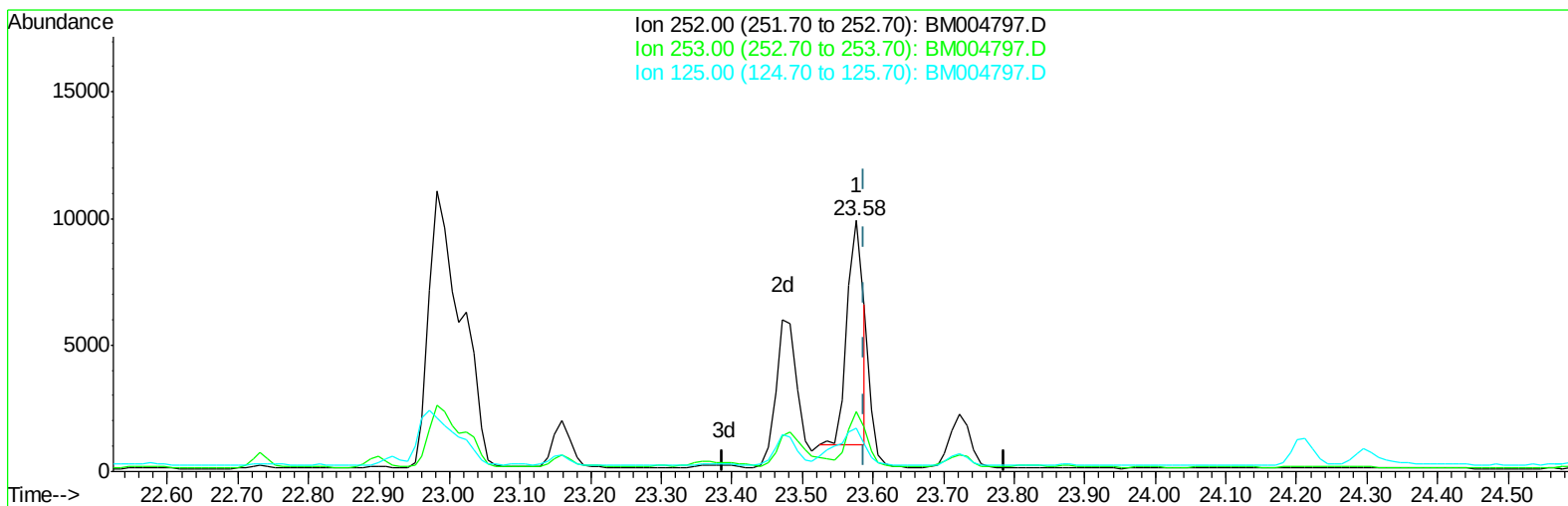
23.024min (-0.011) 0.41ng/ul m

response 8527

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	24.89
125.00	13.00	19.59#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004797.D
Acq On : 26 Mar 2016 03:34
Operator : UM/SJ
Sample : H1909-16
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 05 19:51:16 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: BM004797.D

(25) Benzo(a)pyrene (C)

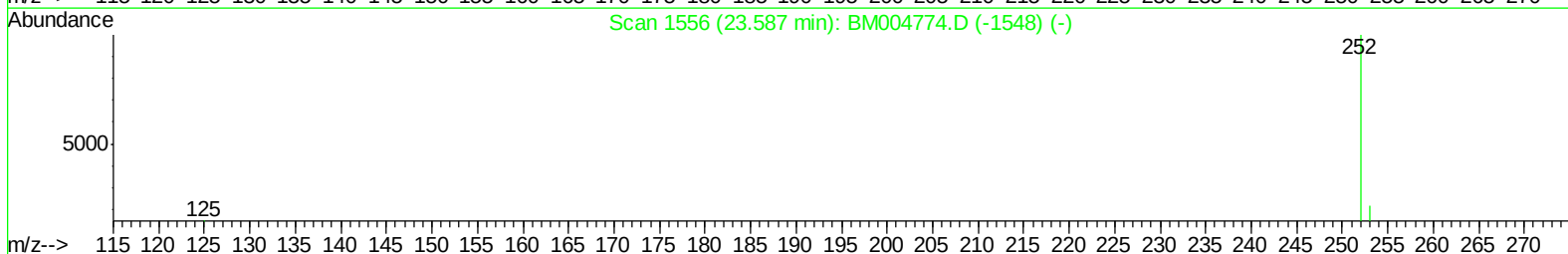
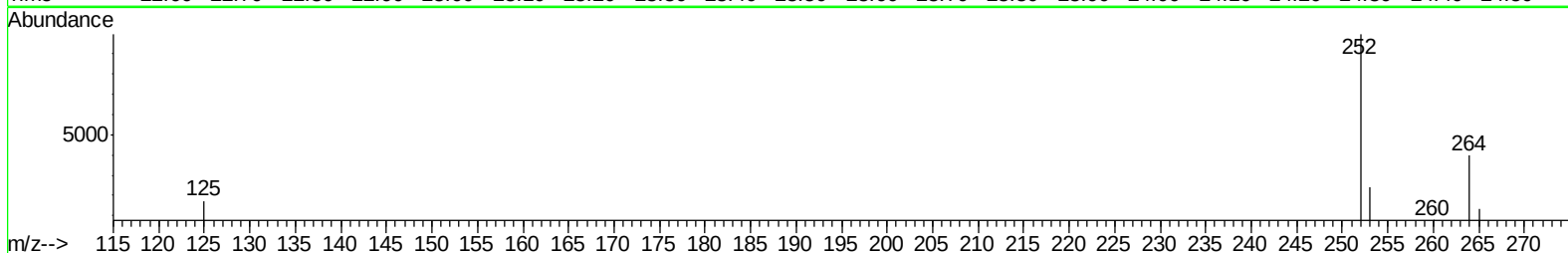
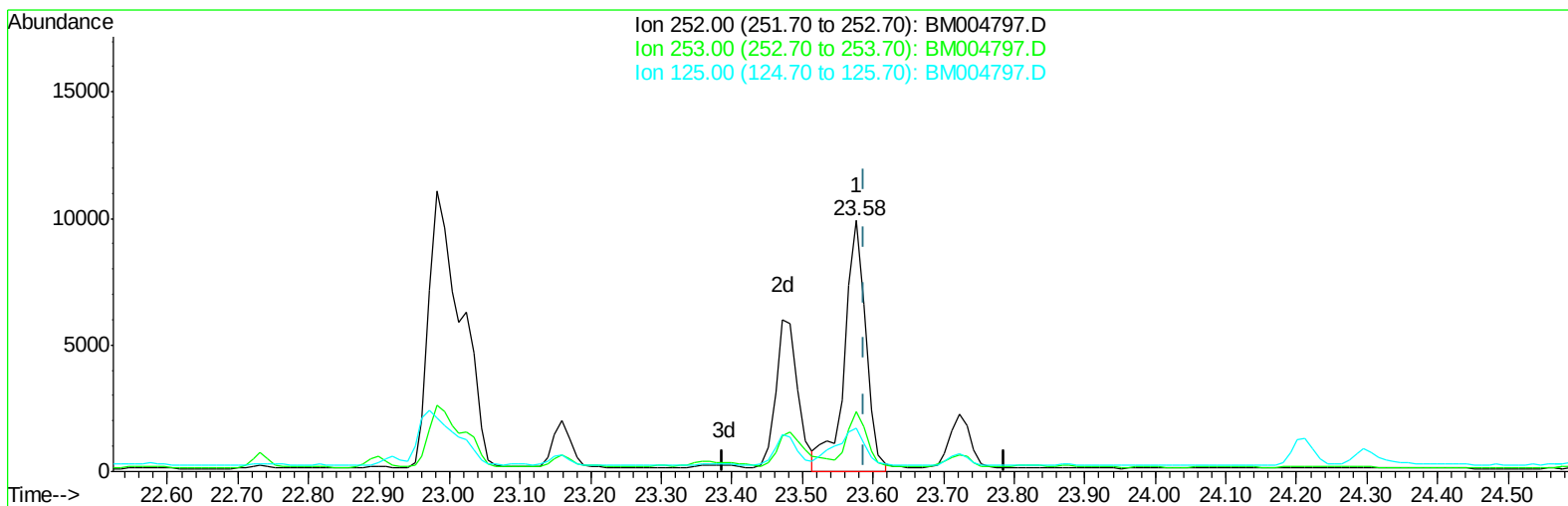
23.576min (-0.011) 0.69ng/ul

response 14090

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	24.01
125.00	15.90	17.54
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004797.D
Acq On : 26 Mar 2016 03:34
Operator : UM/SJ
Sample : H1909-16
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 05 19:51:16 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: BM004797.D

(25) Benzo(a)pyrene (C)

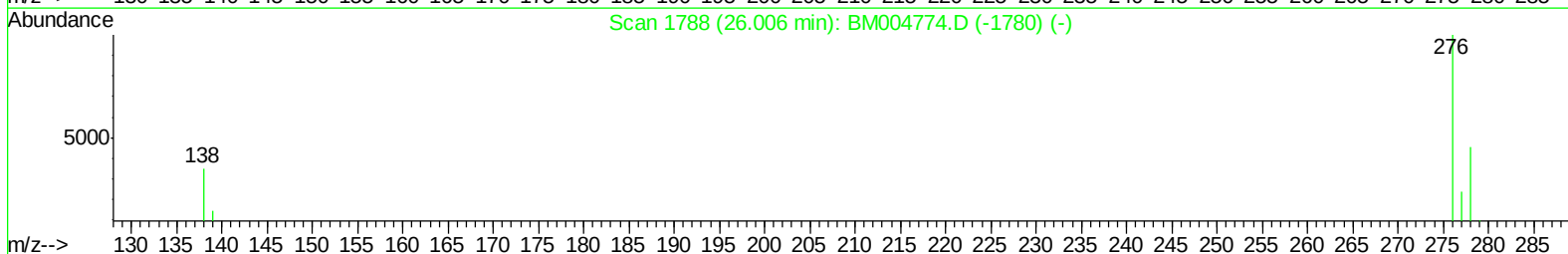
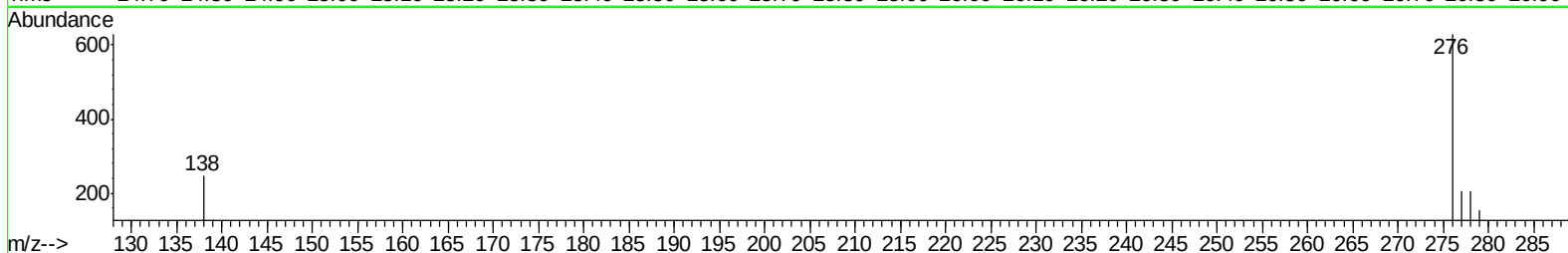
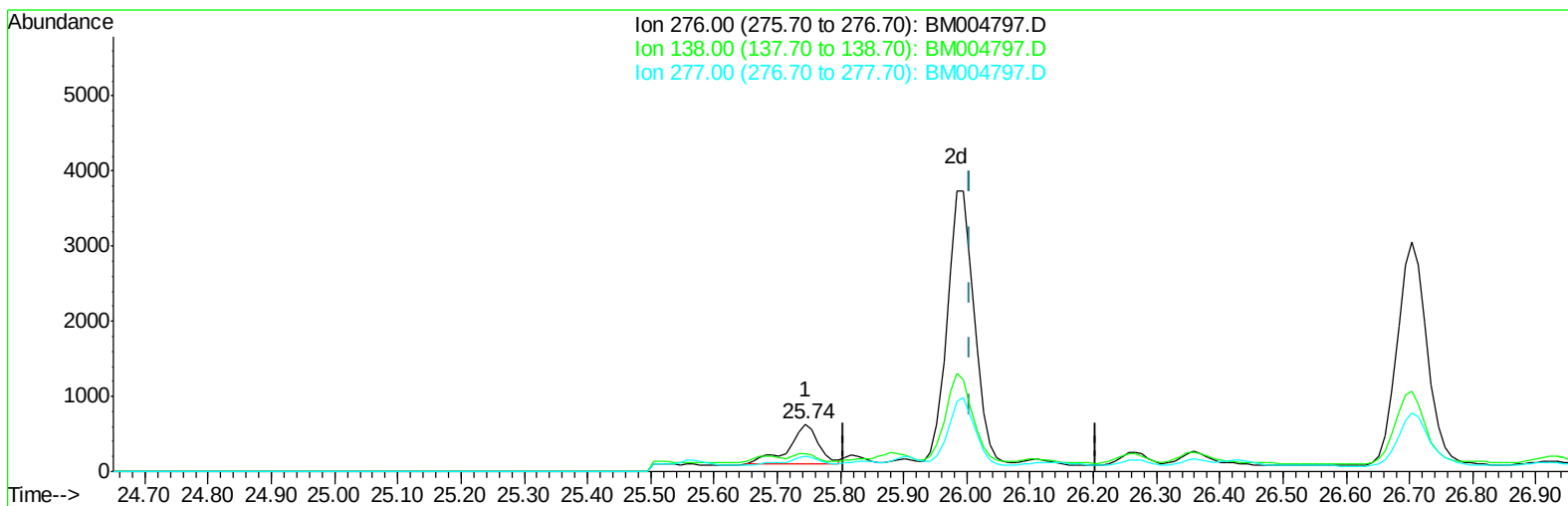
23.576min (-0.011) 1.02ng/ul m

response 20892

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	24.01
125.00	15.90	17.54
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004797.D
Acq On : 26 Mar 2016 03:34
Operator : UM/SJ
Sample : H1909-16
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 05 19:51:16 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: BM004797.D

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

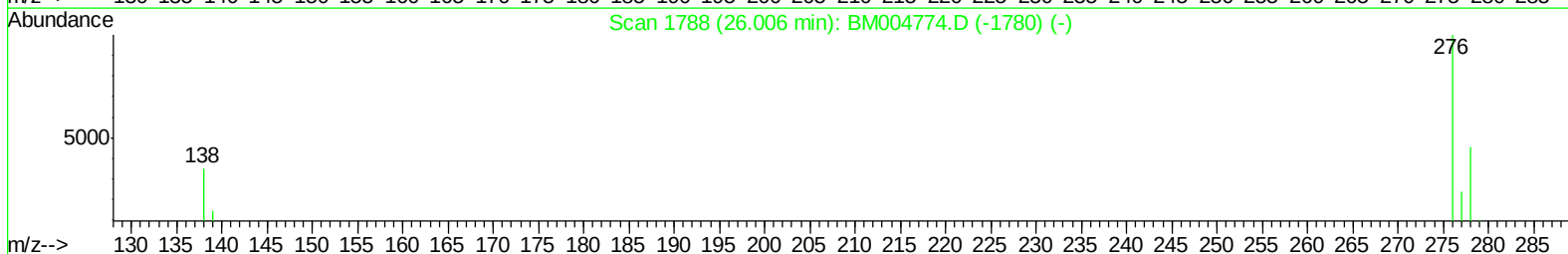
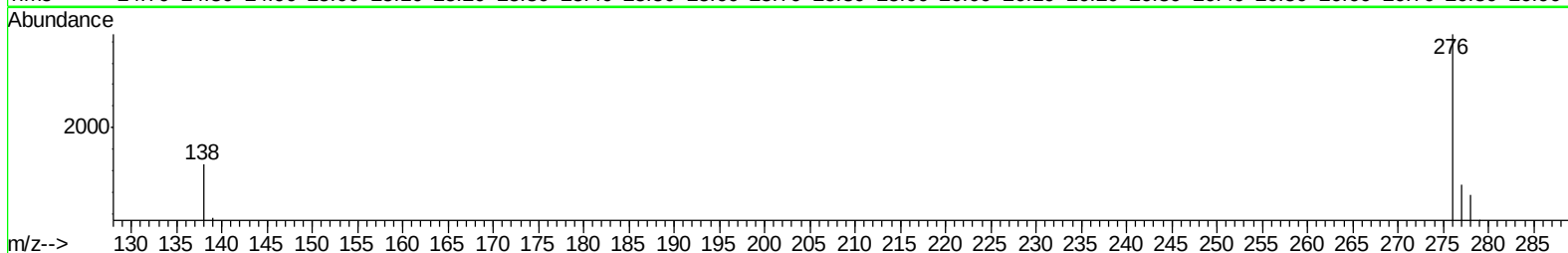
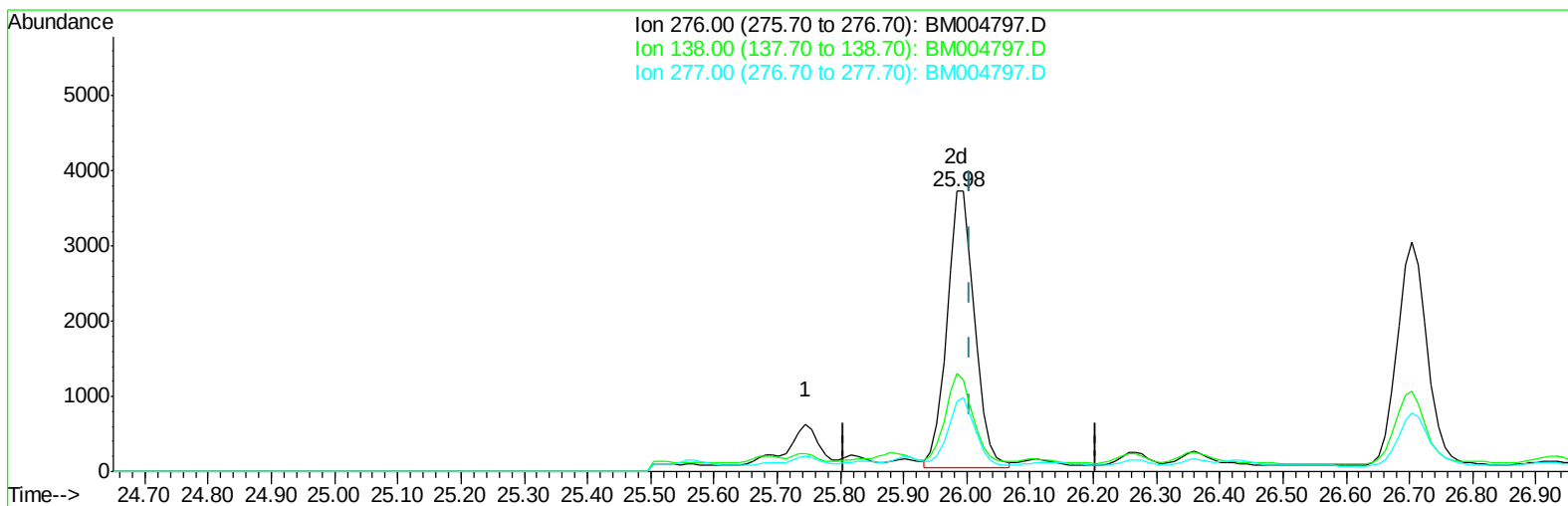
25.745min (-0.261) 0.09ng/ul

response 1747

Ion	Exp%	Act%
276.00	100	100
138.00	20.40	14.88#
277.00	24.80	24.90
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004797.D
Acq On : 26 Mar 2016 03:34
Operator : UM/SJ
Sample : H1909-16
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 05 19:51:16 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: BM004797.D

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

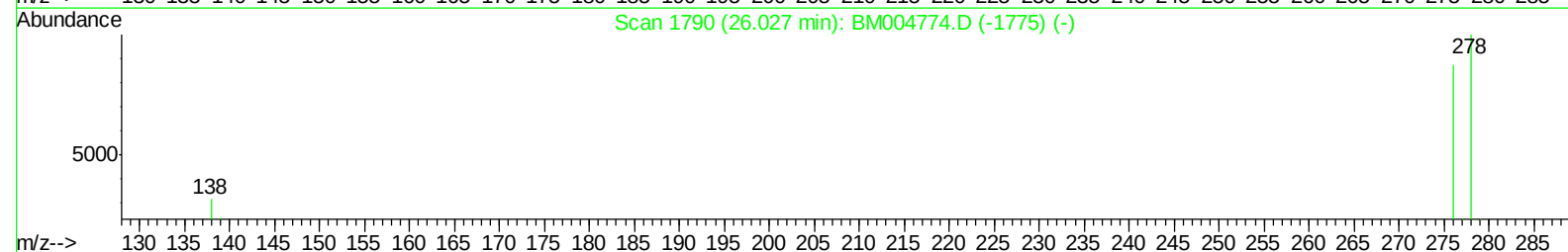
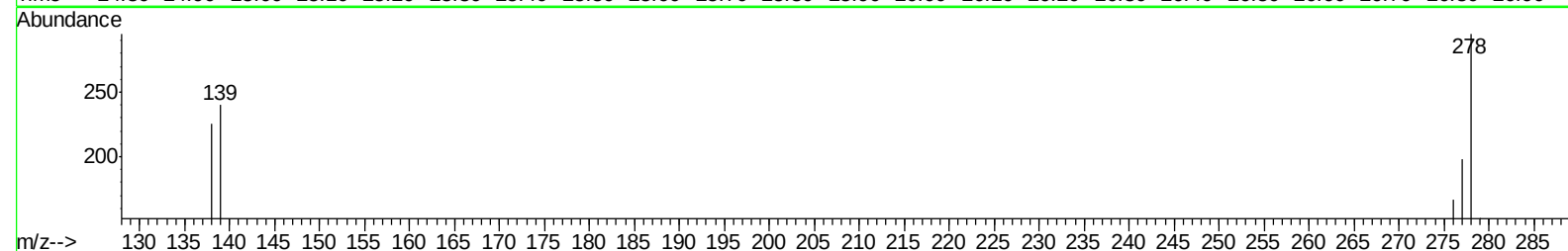
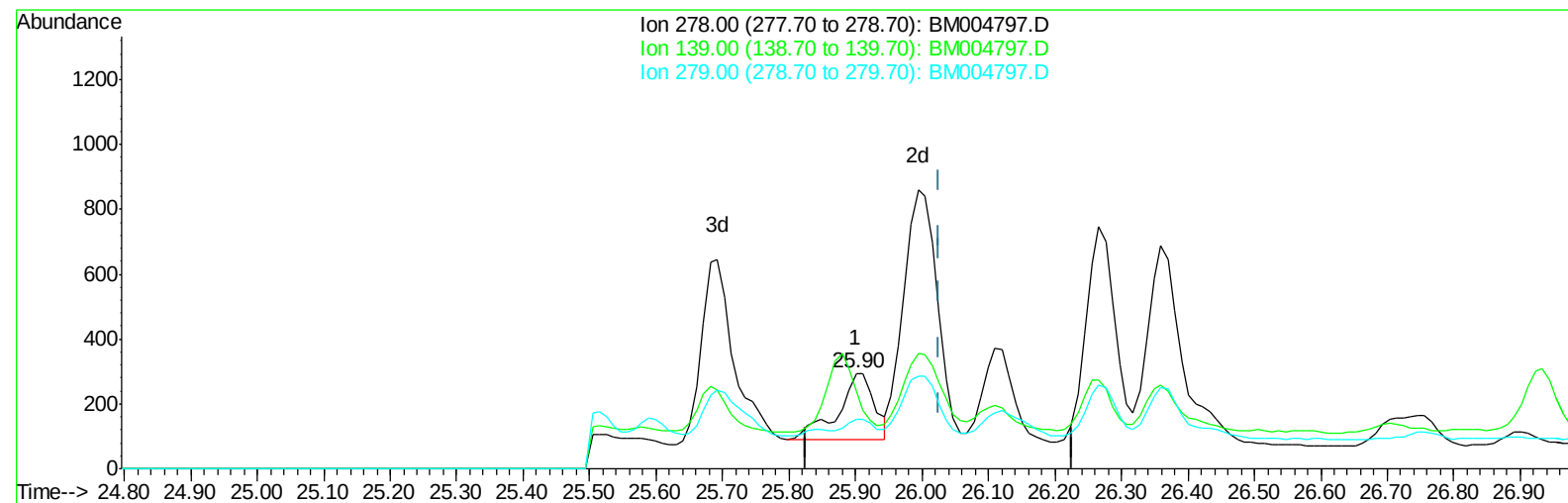
25.984min (-0.021) 0.59ng/ul m

response 11134

Ion	Exp%	Act%
276.00	100	100
138.00	20.40	2.34#
277.00	24.80	3.91#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004797.D
Acq On : 26 Mar 2016 03:34
Operator : UM/SJ
Sample : H1909-16
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 05 19:51:16 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: BM004797.D

(27) Dibenzo(a,h)anthracene

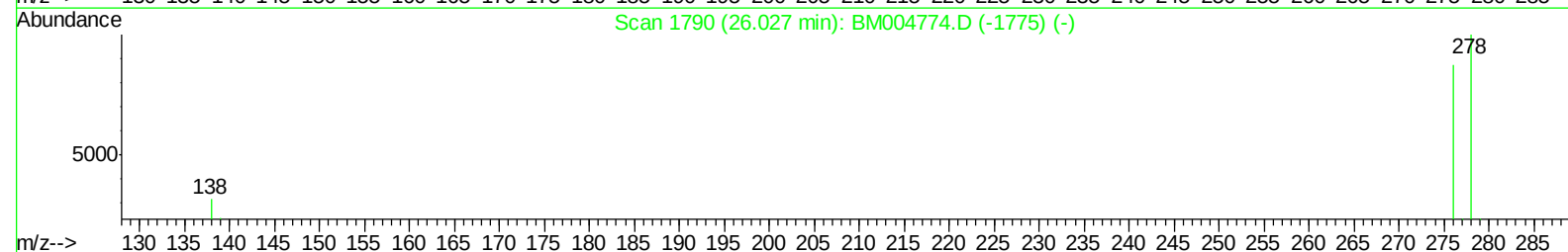
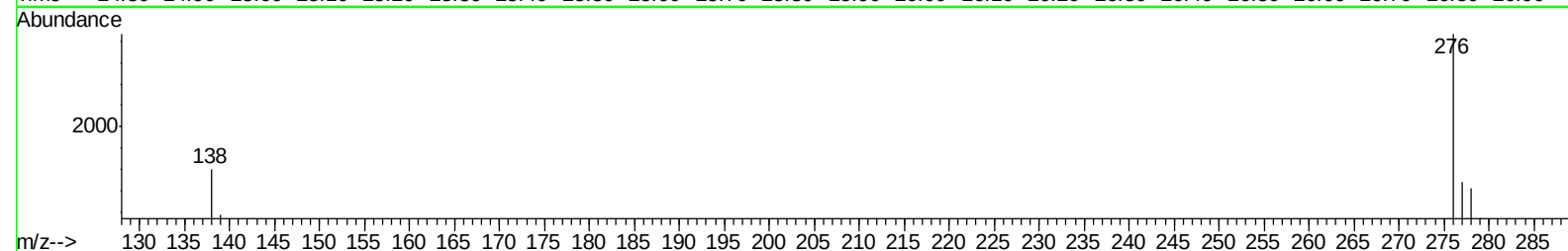
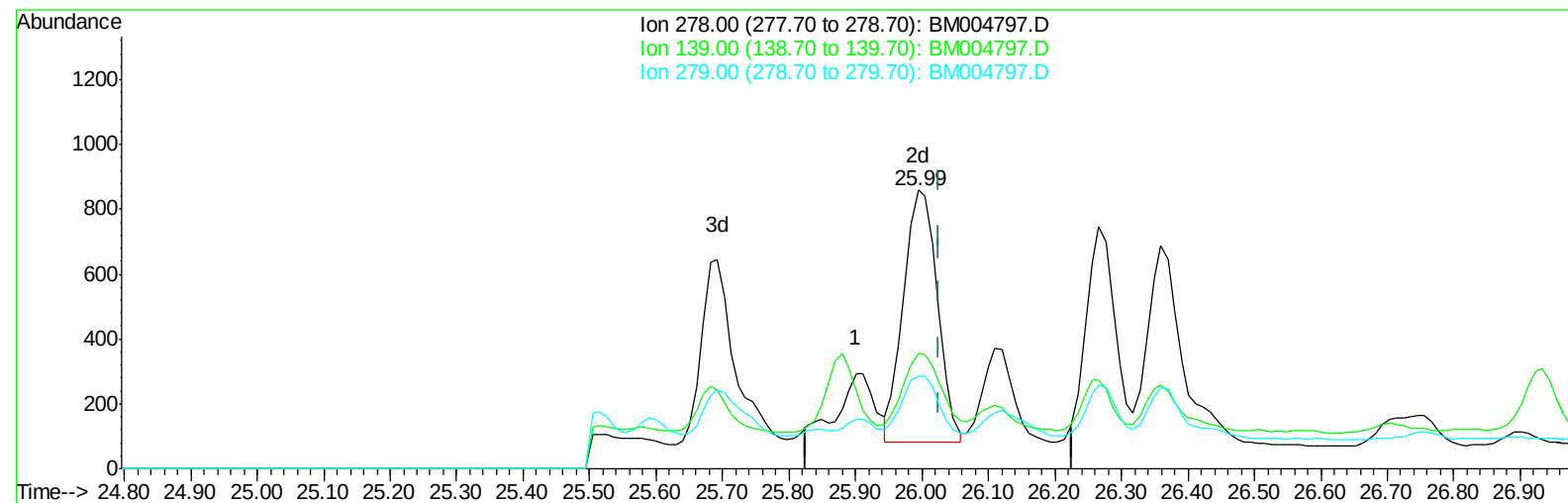
25.901min (-0.126) 0.05ng/ul

response 776

Ion	Exp%	Act%
278.00	100	100
139.00	20.50	81.36#
279.00	25.20	51.53#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004797.D
Acq On : 26 Mar 2016 03:34
Operator : UM/SJ
Sample : H1909-16
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 05 19:51:16 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: BM004797.D

(27) Dibenzo(a,h)anthracene

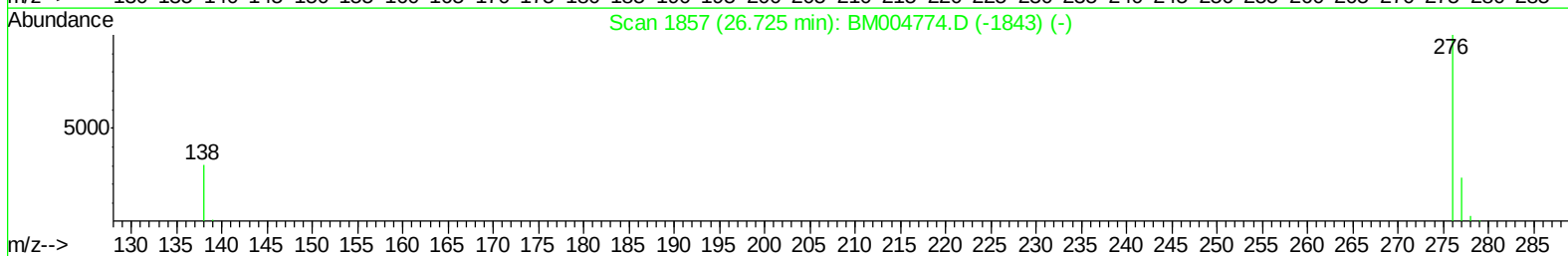
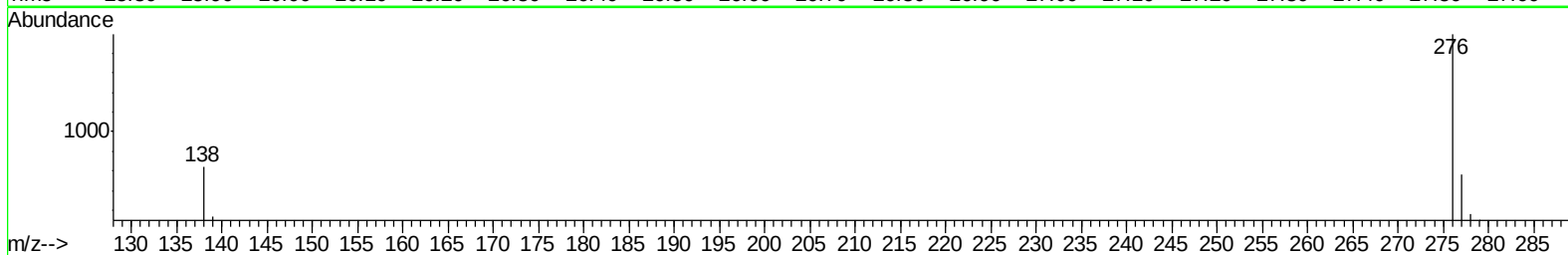
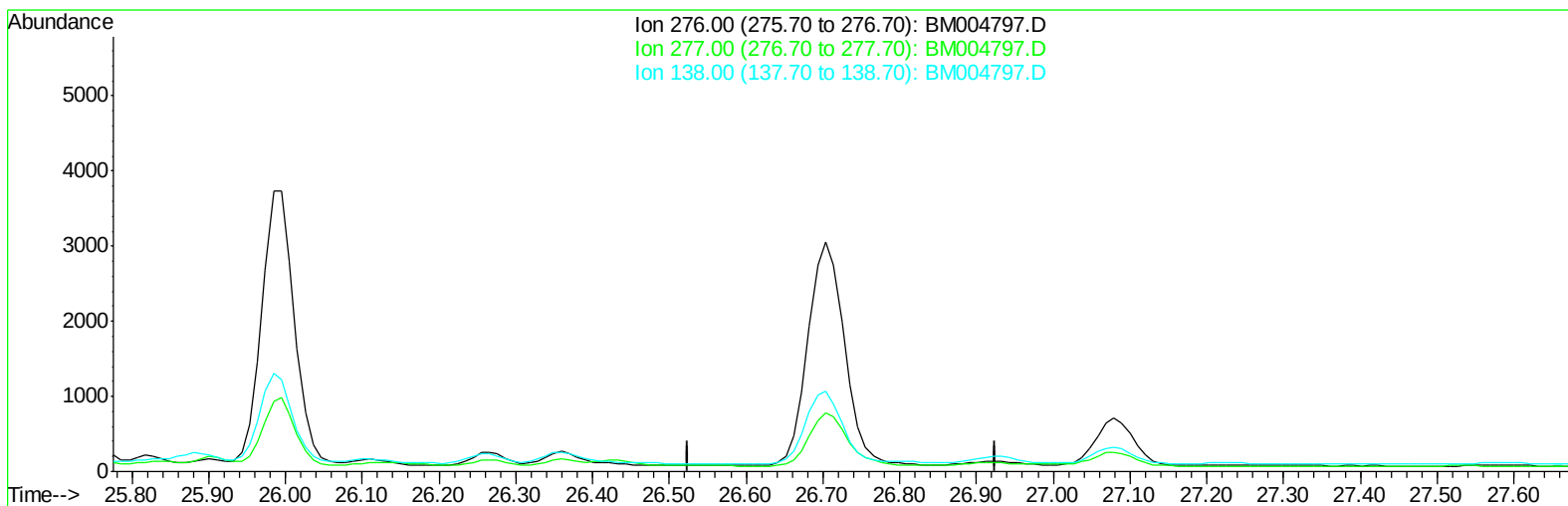
25.995min (-0.032) 0.19ng/ul m

response 2766

Ion	Exp%	Act%
278.00	100	100
139.00	20.50	41.28#
279.00	25.20	33.37#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004797.D
Acq On : 26 Mar 2016 03:34
Operator : UM/SJ
Sample : H1909-16
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 05 19:51:16 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: BM004797.D

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

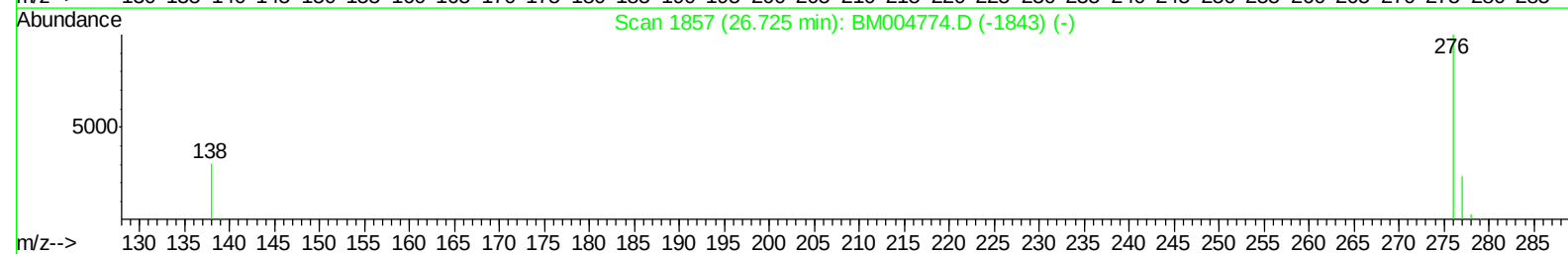
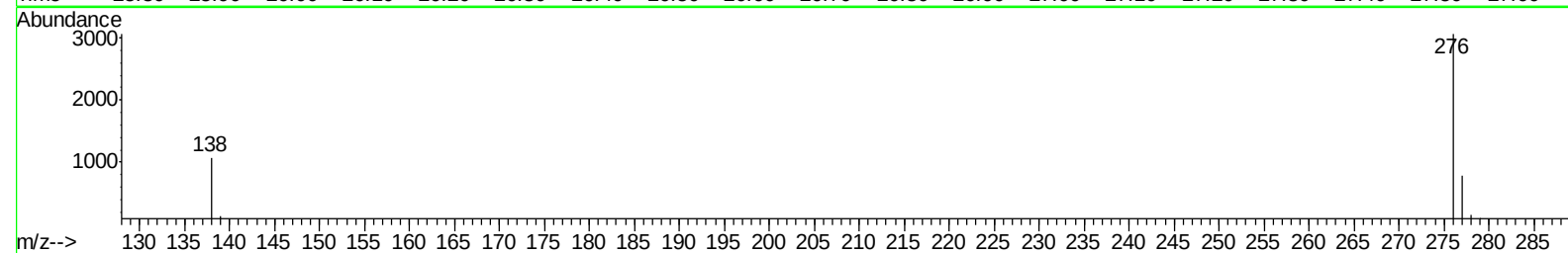
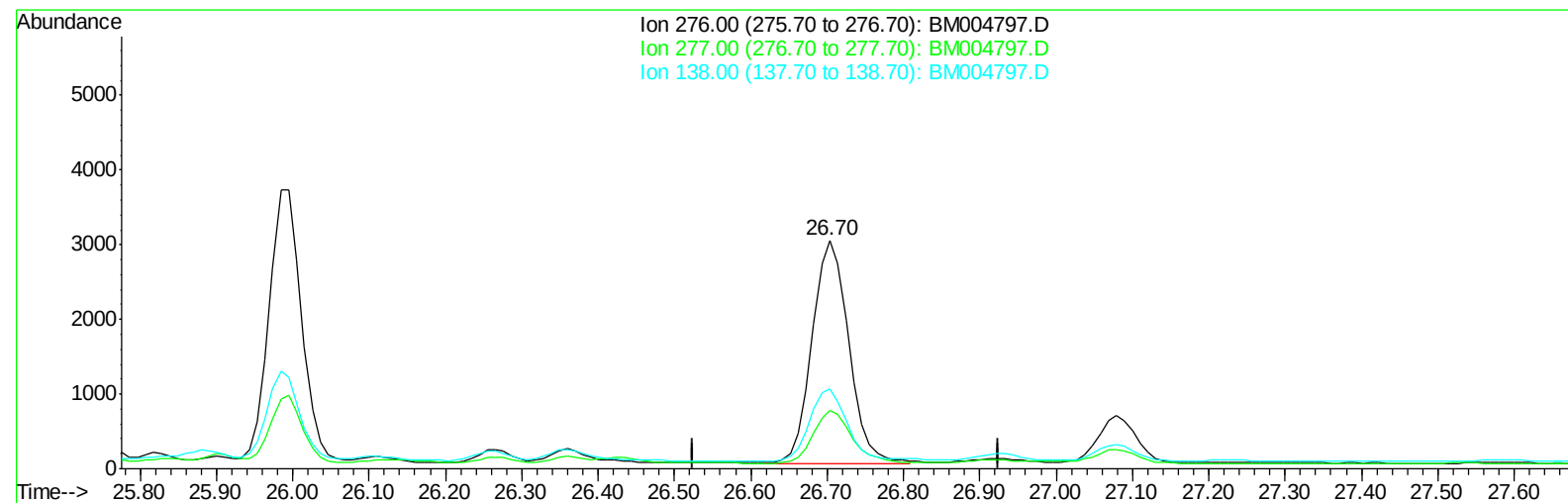
26.725min (-26.725) 0.00ng/ul

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 : BM004797.D
Acq On : 26 Mar 2016 03:34
Operator : UM/SJ
Sample : H1909-16
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 05 19:51:16 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: BM004797.D

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

26.704min (-0.021) 0.63ng/ul m

response 9890

Ion	Exp%	Act%
276.00	100	100
277.00	23.60	25.42
138.00	28.10	35.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
 Data File : BM004797.D
 Acq On : 26 Mar 2016 03:34
 Operator : UM/SJ
 Sample : H1909-16
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 05 19:53:27 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	1014	0.40	ng/ul	0.00
4) Naphthalene-d8	10.62	136	4890	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.45	164	3028	0.40	ng/ul	-0.02
12) Phenanthrene-d10	17.19	188	6905m	0.40	ng/ul	-0.02
18) Chrysene-d12	21.39	240	7016	0.40	ng/ul	-0.01
22) Perylene-d12	23.68	264	6618m	0.40	ng/ul	-0.01

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.32	96	5443	11.91	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.20	152	2617	0.38	ng/ul	0.00
16) Fluoranthene-d10	19.23	212	6506	0.40	ng/ul	-0.01

Target Compounds

						Qvalue
5) Naphthalene	10.67	128	674	0.06	ng/ul#	70
7) 2-Methylnaphthalene	12.28	142	250	0.03	ng/ul	99
9) Acenaphthylene	14.18	152	1141	0.08	ng/ul#	89
10) Acenaphthene	14.52	153	919	0.09	ng/ul#	89
11) Fluorene	15.51	166	1114	0.09	ng/ul#	88
13) Pentachlorophenol	16.85	266	51	0.03	ng/ul#	83
14) Phenanthrene	17.24	178	23170	1.19	ng/ul	97
15) Anthracene	17.33	178	5323	0.29	ng/ul	96
17) Fluoranthene	19.27	202	36739	1.66	ng/ul	93
19) Pyrene	19.63	202	36272	1.51	ng/ul	95
20) Benzo(a)anthracene	21.37	228	19281	0.89	ng/ul#	93
21) Chrysene	21.42	228	19242	0.92	ng/ul	95
23) Benzo(b)fluoranthene	22.98	252	27226m	1.22	ng/ul	
24) Benzo(k)fluoranthene	23.02	252	8527m	0.41	ng/ul	
25) Benzo(a)pyrene	23.58	252	20892m	1.02	ng/ul	
26) Indeno(1,2,3-cd)pyrene	25.98	276	11134m	0.59	ng/ul	
27) Dibenzo(a,h)anthracene	25.99	278	2766m	0.19	ng/ul	
28) Benzo(g,h,i)perylene	26.70	276	9890m	0.63	ng/ul	

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

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