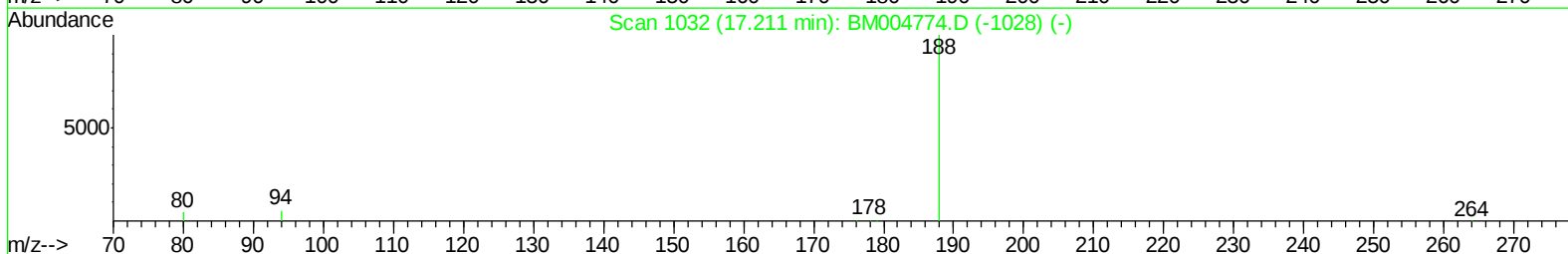
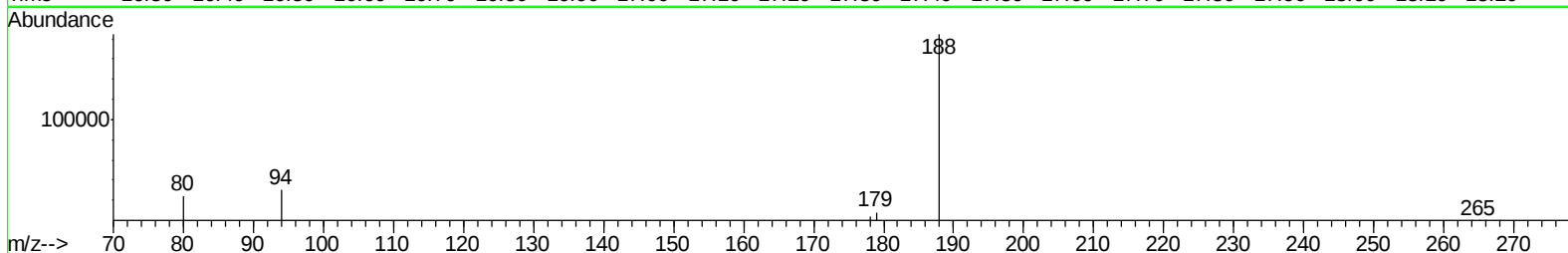
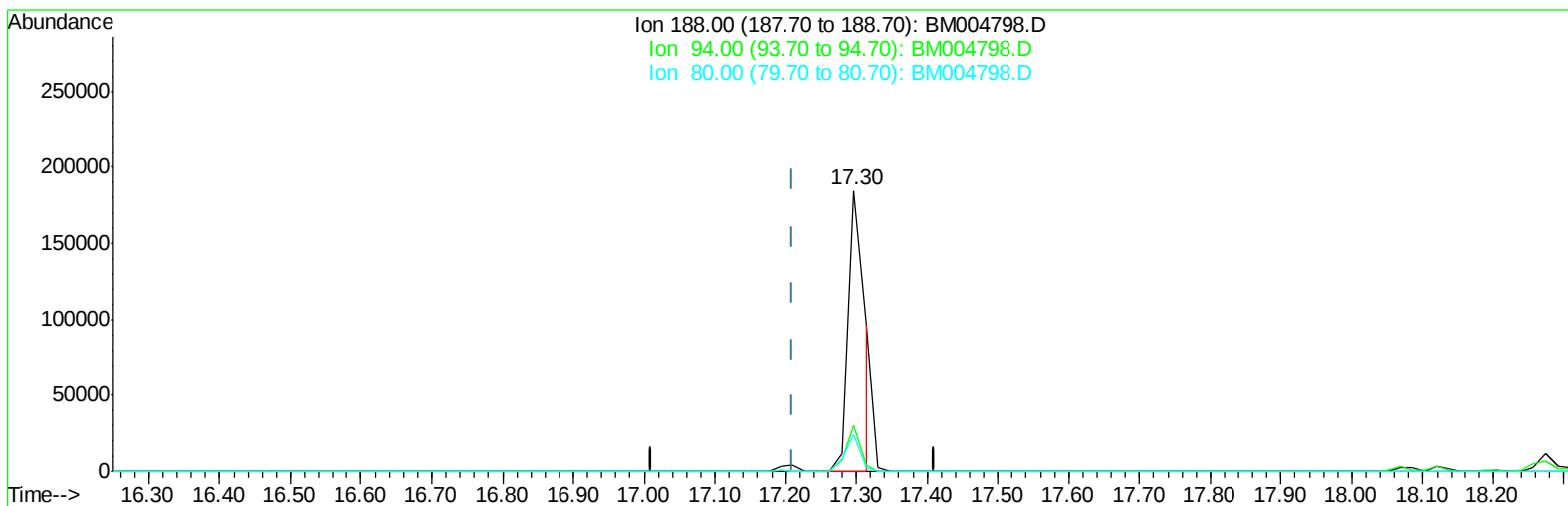


Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004798.D
Acq On : 26 Mar 2016 04:10
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 05 19:53:54 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: BM004798.D

(12) Phenanthrene-d10 (I)

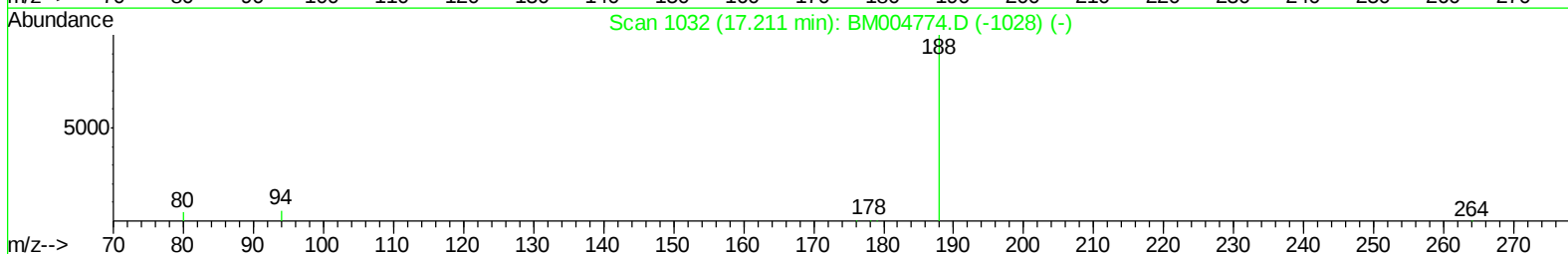
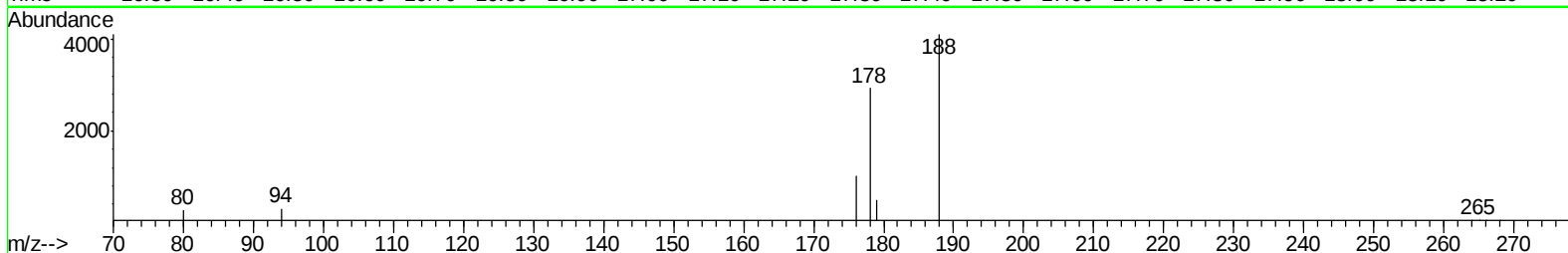
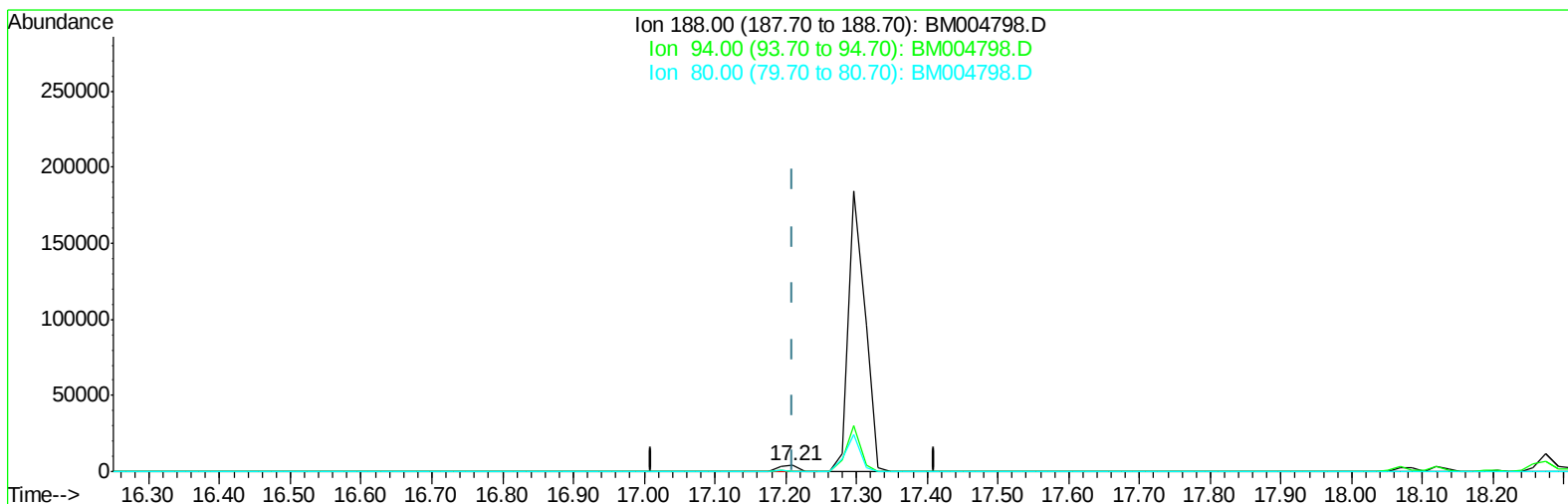
17.296min (+0.085) 0.40ng/ul

response 300510

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	16.16#
80.00	11.90	13.40
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004798.D
Acq On : 26 Mar 2016 04:10
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 05 19:53:54 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: BM004798.D

(12) Phenanthrene-d10 (I)

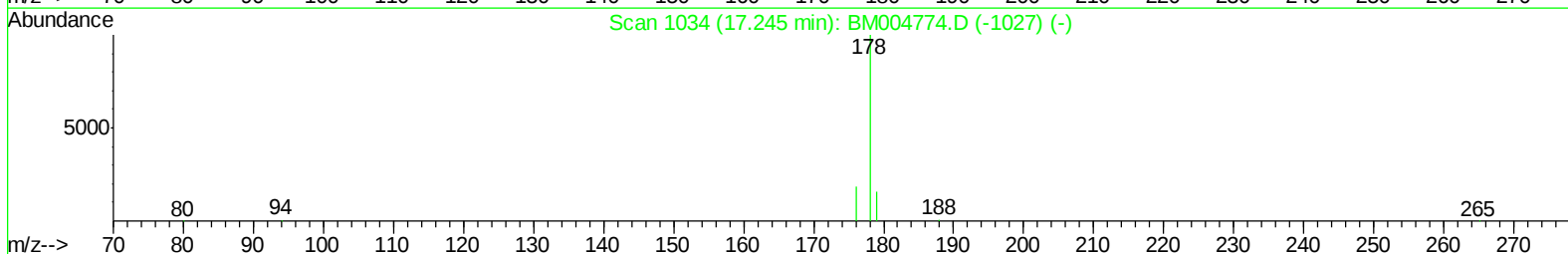
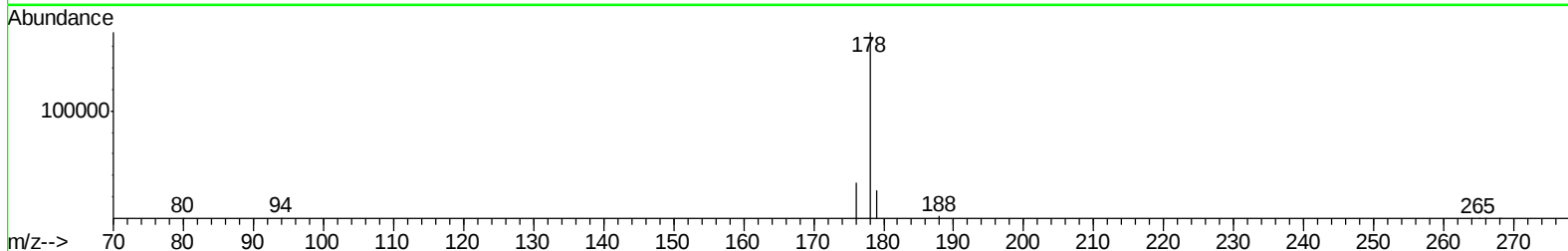
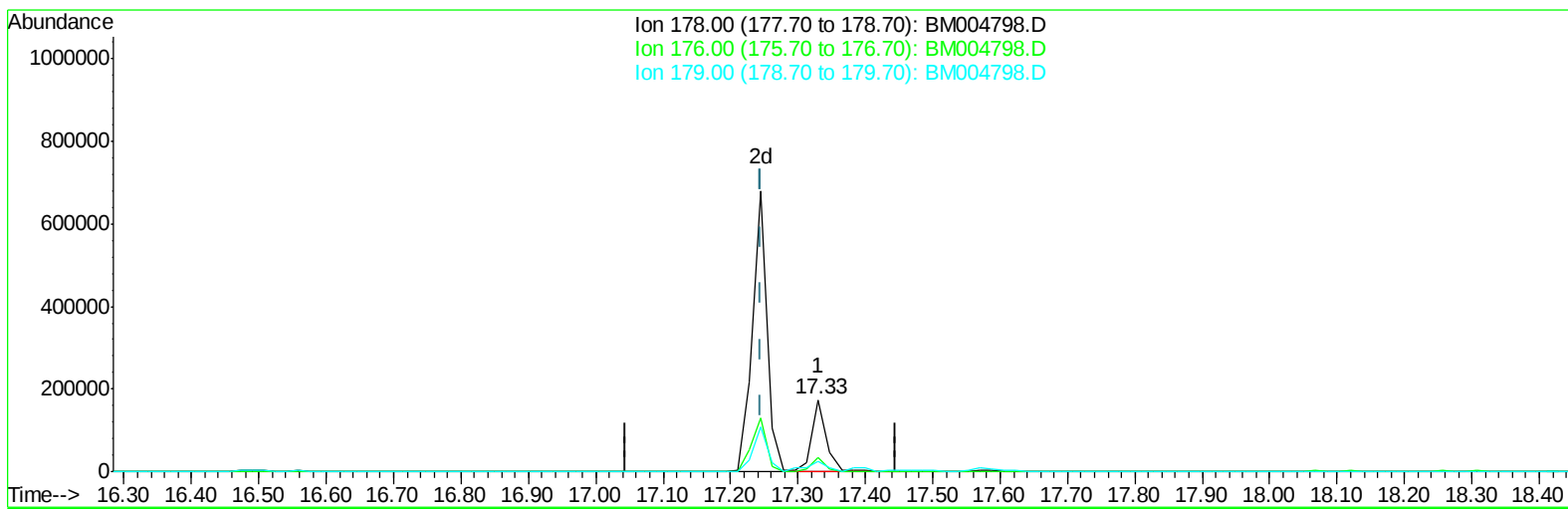
17.210min (-0.000) 0.40ng/ul m

response 8308

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	7.54#
80.00	11.90	6.62#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004798.D
Acq On : 26 Mar 2016 04:10
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 05 19:54:48 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: BM004798.D

(14) Phenanthrene

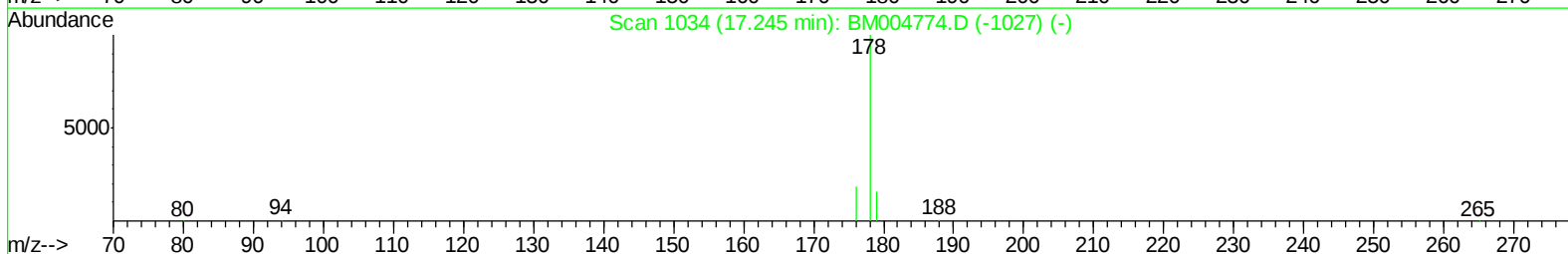
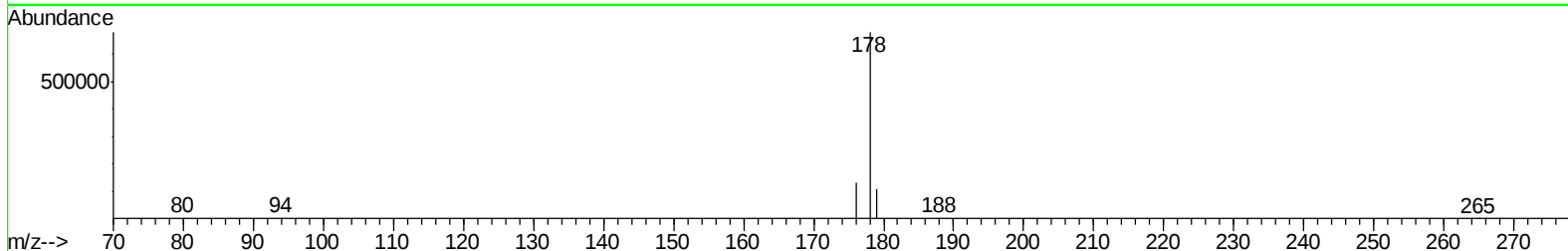
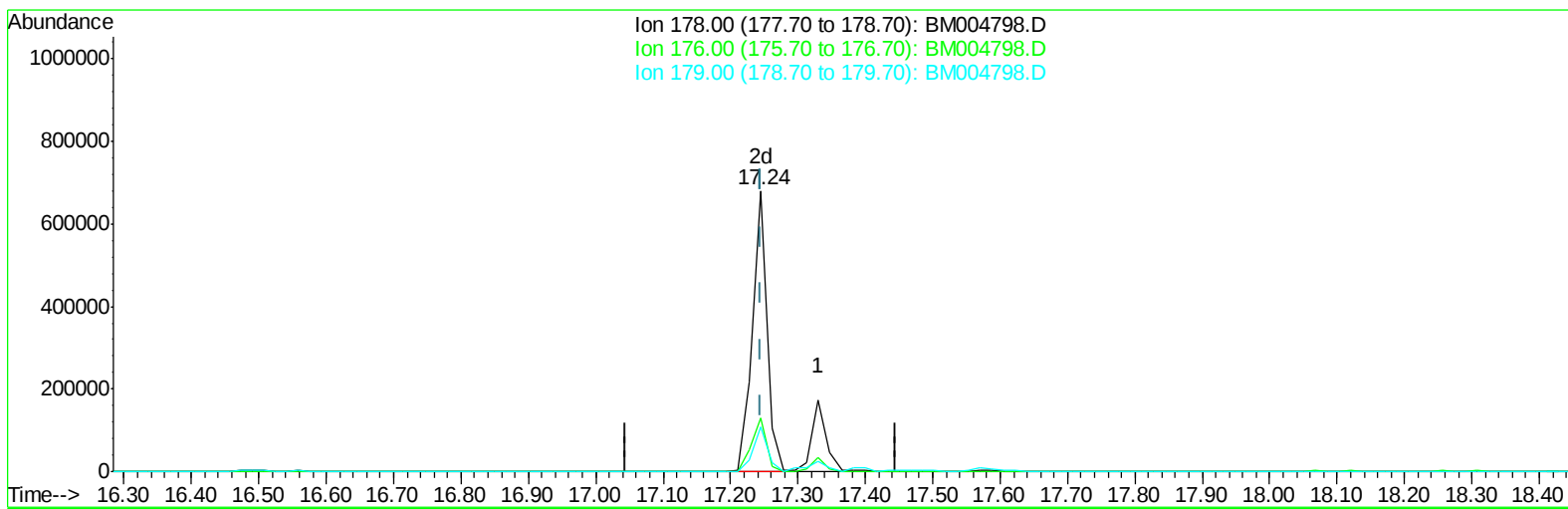
17.330min (+0.085) 11.01ng/ul

response 257033

Ion	Exp%	Act%
178.00	100	100
176.00	16.20	19.01
179.00	17.70	15.13
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004798.D
Acq On : 26 Mar 2016 04:10
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 05 19:54:48 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: BM004798.D

(14) Phenanthrene

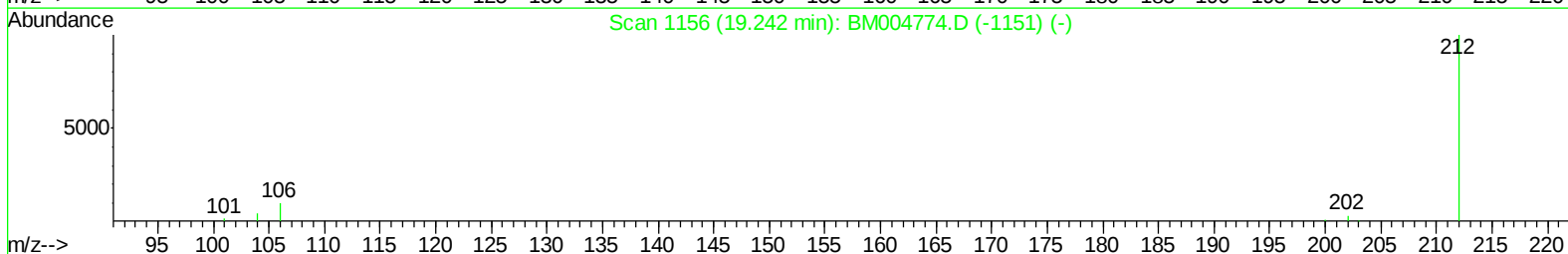
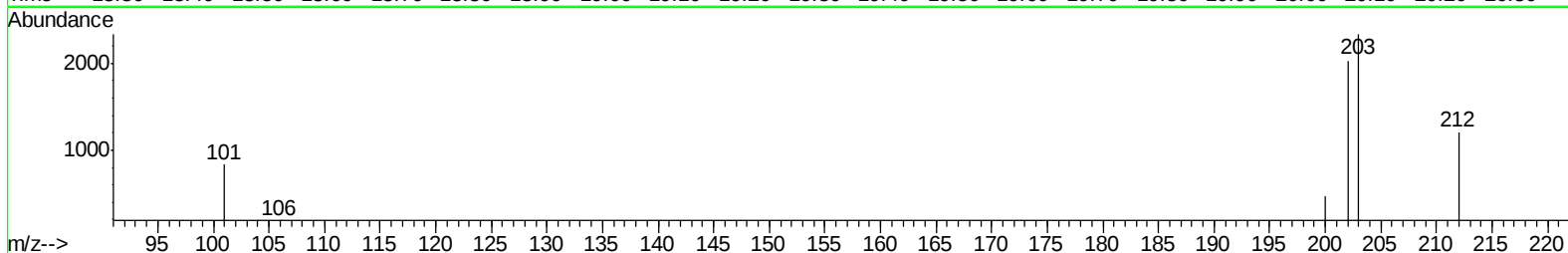
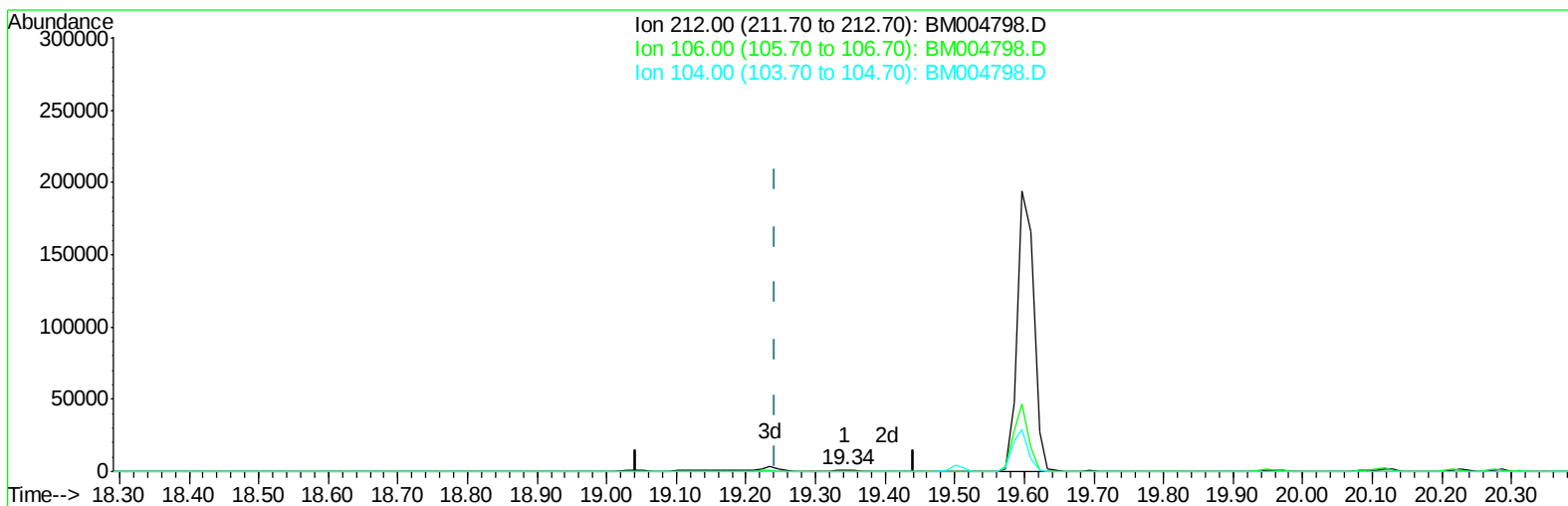
17.245min (-0.000) 44.32ng/ul m

response 1034574

Ion	Exp%	Act%
178.00	100	100
176.00	16.20	19.21
179.00	17.70	15.96
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004798.D
Acq On : 26 Mar 2016 04:10
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 05 19:54:48 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: BM004798.D

(16) Fluoranthene-d10 (SURR)

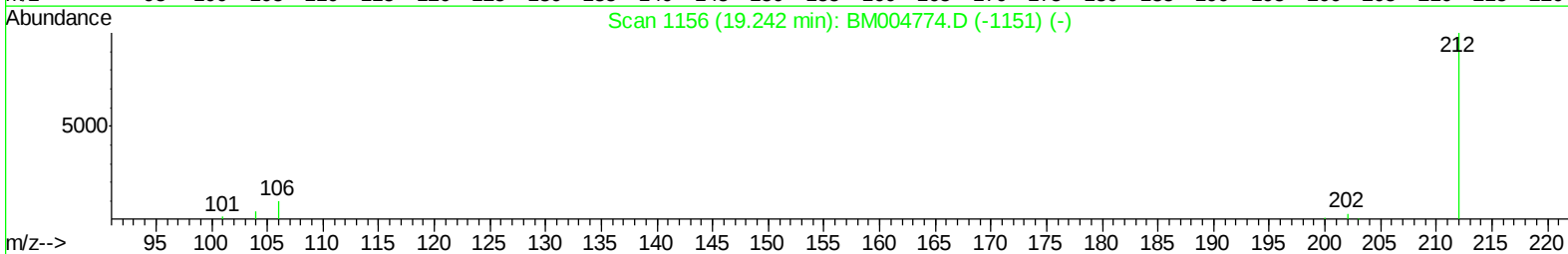
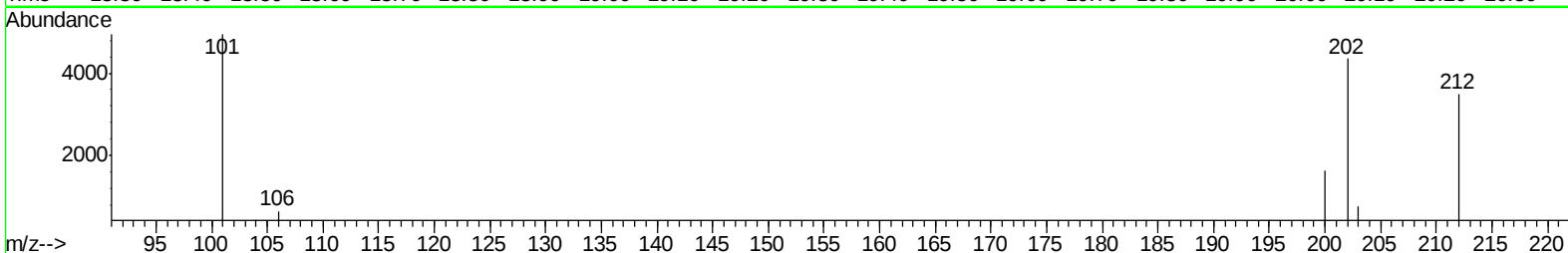
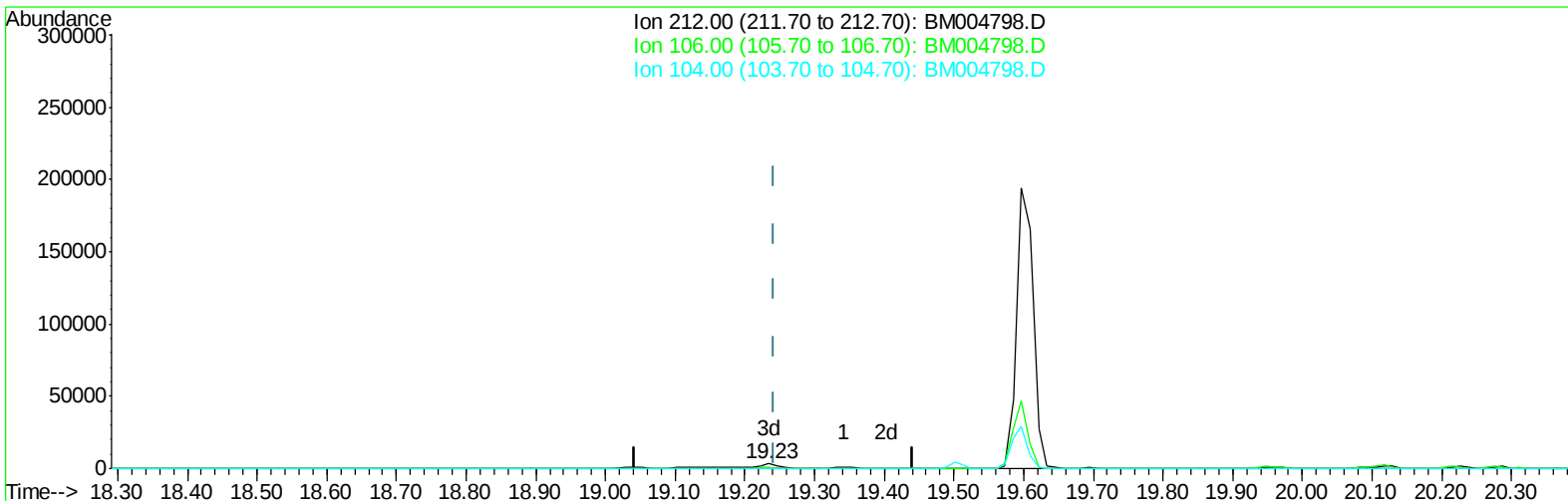
19.343min (+0.101) 0.10ng/ul

response 1960

Ion	Exp%	Act%
212.00	100	100
106.00	18.90	14.13#
104.00	11.10	0.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004798.D
Acq On : 26 Mar 2016 04:10
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 05 19:54:48 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: BM004798.D

(16) Fluoranthene-d10 (SURR)

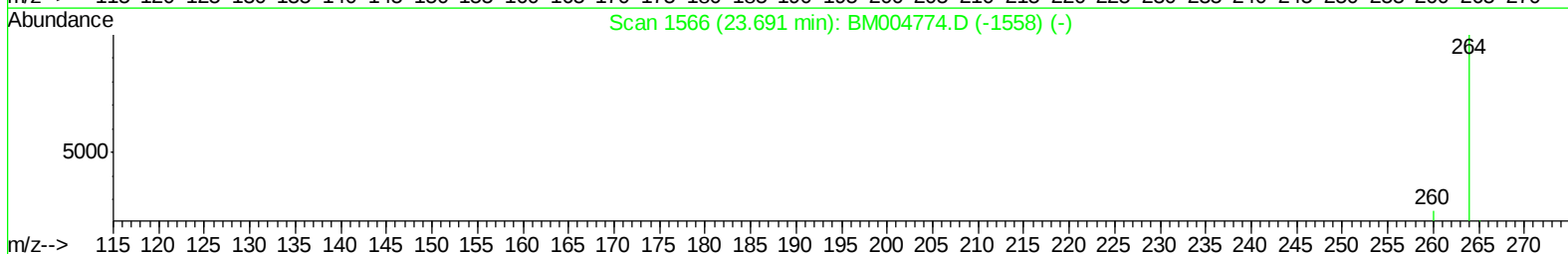
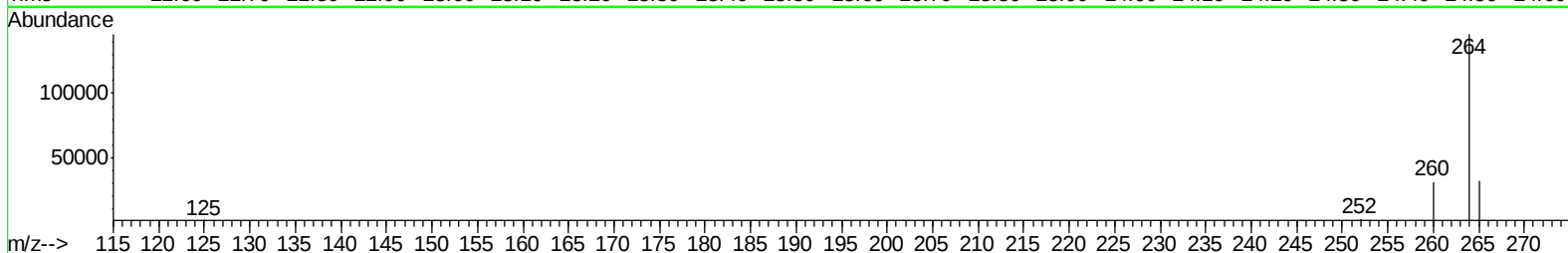
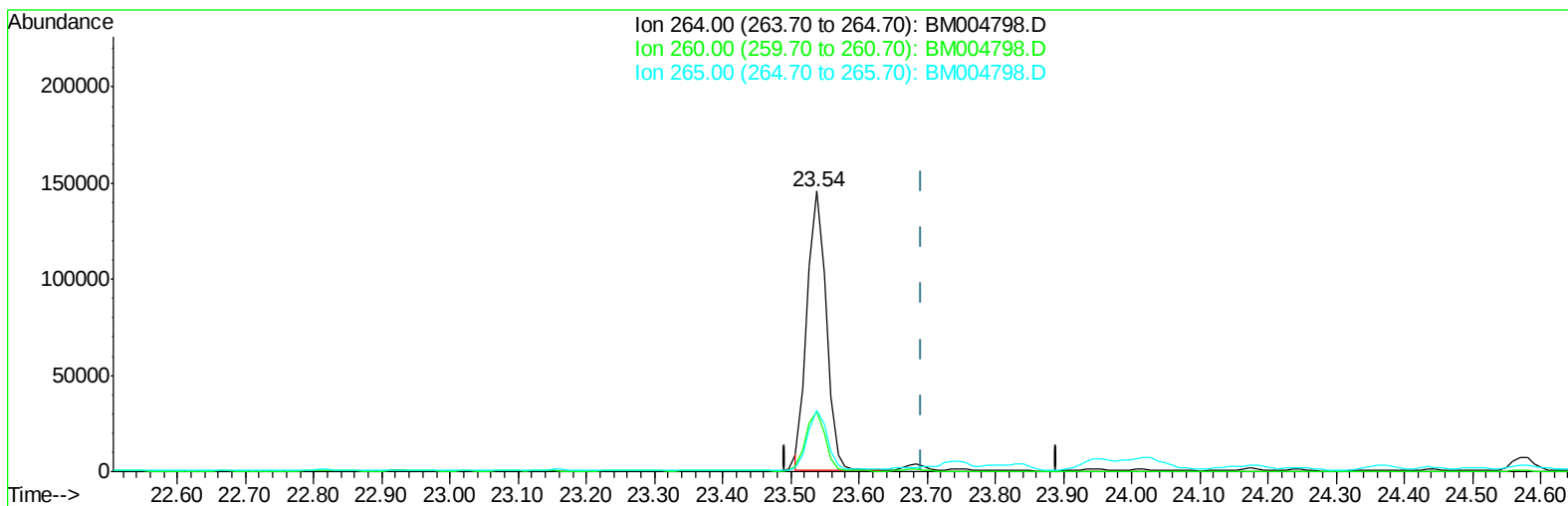
19.234min (-0.007) 0.32ng/ul m

response 6267

Ion	Exp%	Act%
212.00	100	100
106.00	18.90	4.42#
104.00	11.10	0.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004798.D
Acq On : 26 Mar 2016 04:10
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 05 19:54:48 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: BM004798.D

(22) Perylene-d12 (I)

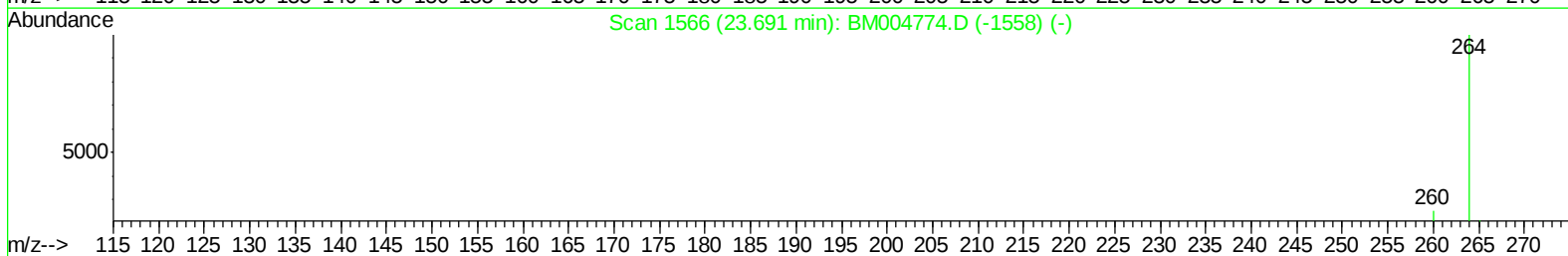
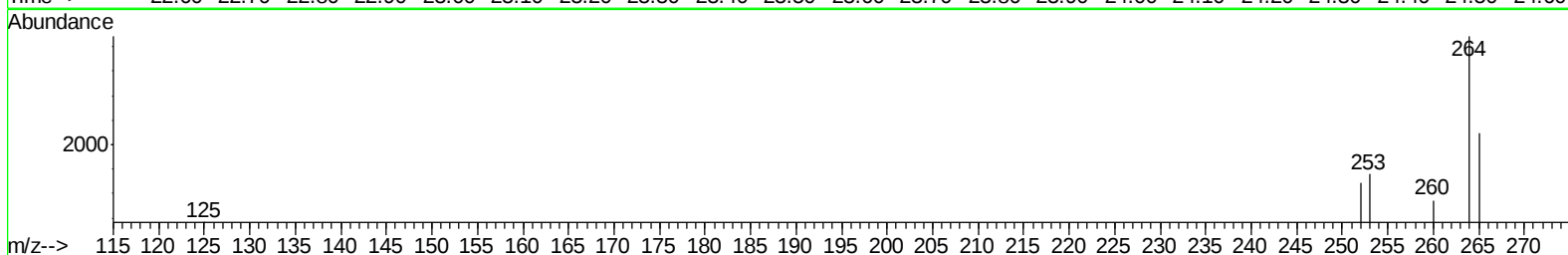
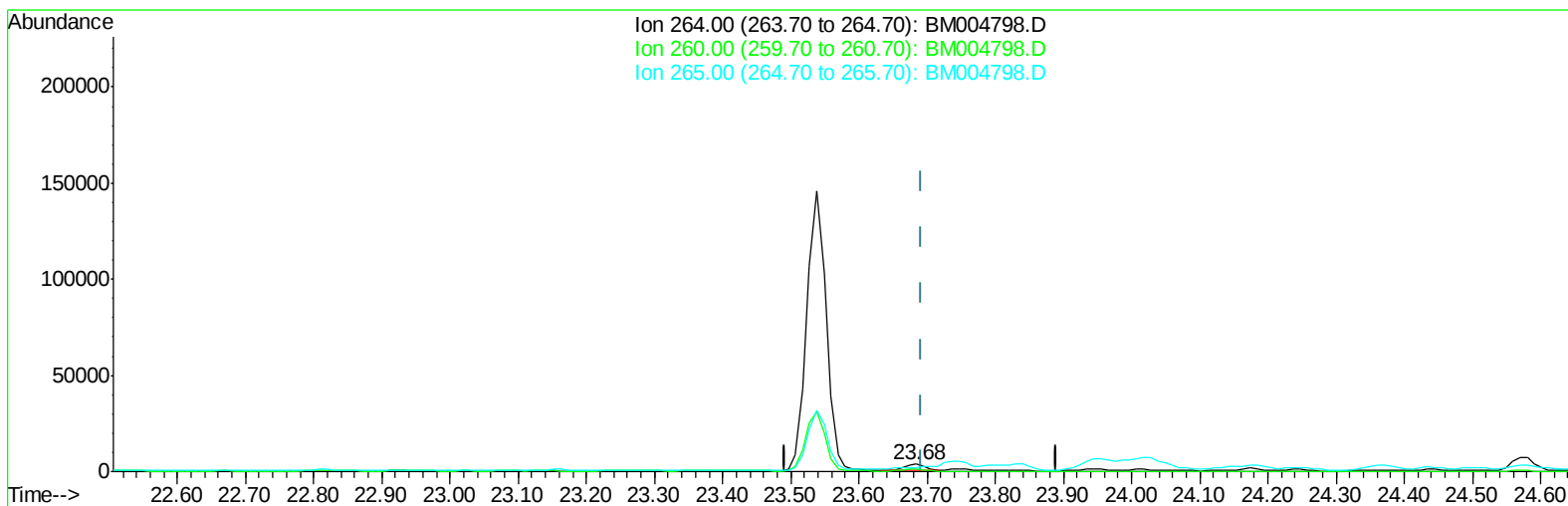
23.538min (-0.153) 0.40ng/ul

response 278833

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	21.43
265.00	38.20	21.73#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004798.D
Acq On : 26 Mar 2016 04:10
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 05 19:54:48 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: BM004798.D

(22) Perylene-d12 (I)

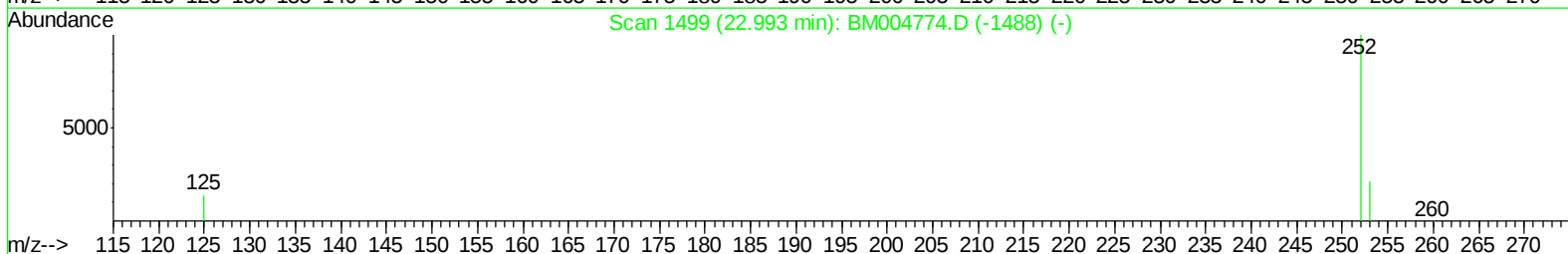
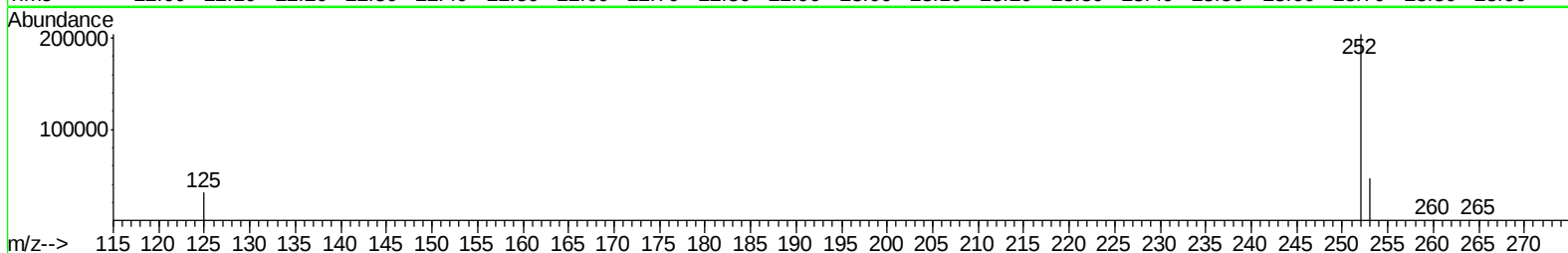
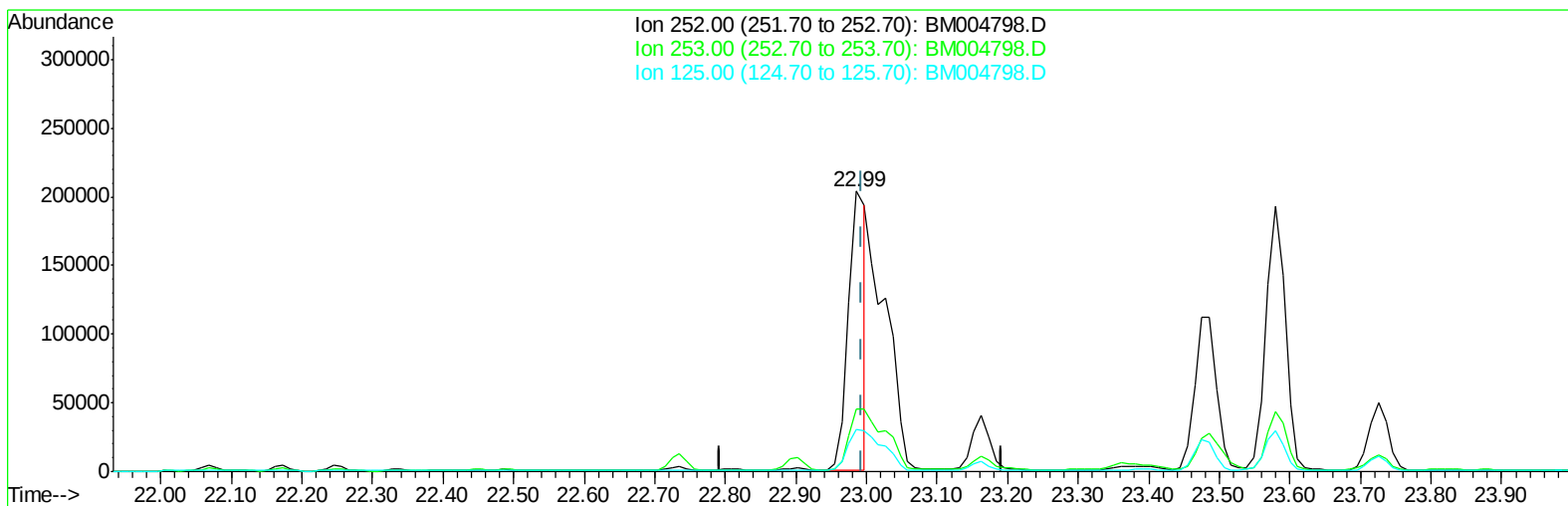
23.684min (-0.007) 0.40ng/ul m

response 6836

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	28.90
265.00	38.20	57.86#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004798.D
Acq On : 26 Mar 2016 04:10
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 05 19:56:03 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: BM004798.D

(23) Benzo(b)fluoranthene

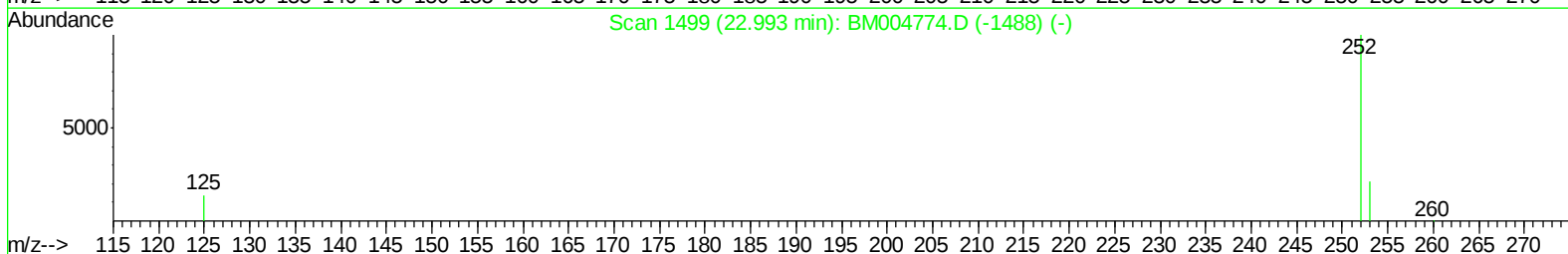
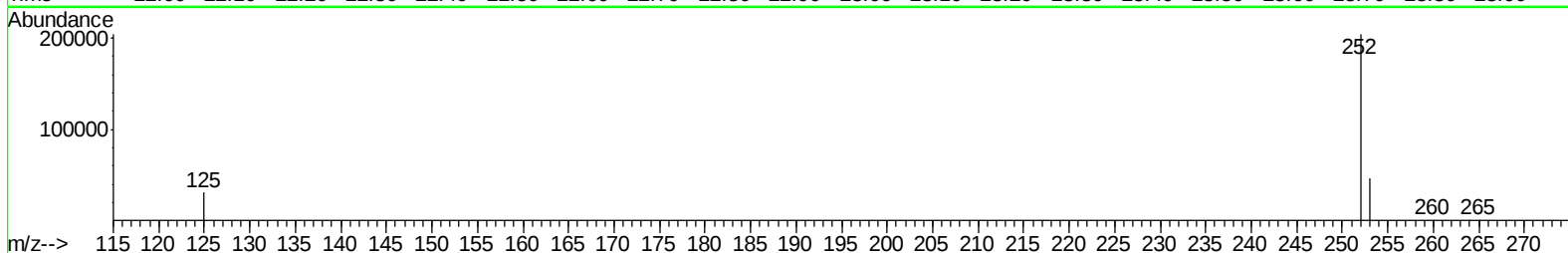
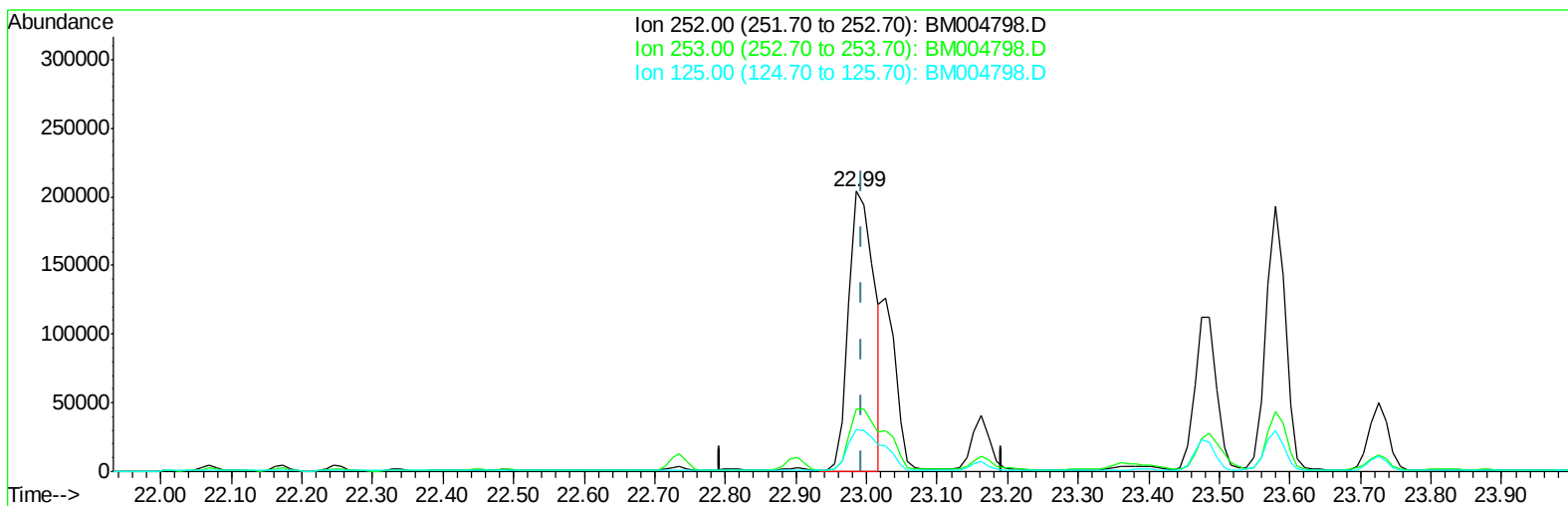
22.986min (-0.007) 15.16ng/ul

response 349037

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	22.39
125.00	14.40	14.93
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004798.D
Acq On : 26 Mar 2016 04:10
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 05 19:56:03 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: BM004798.D

(23) Benzo(b)fluoranthene

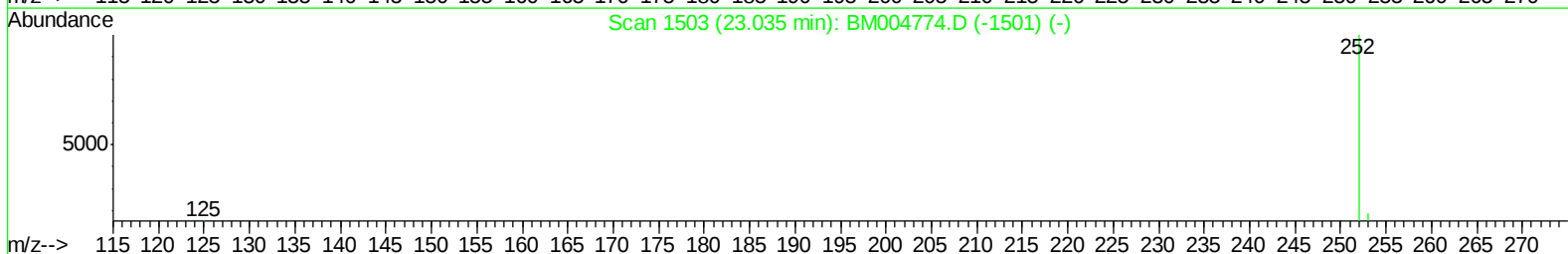
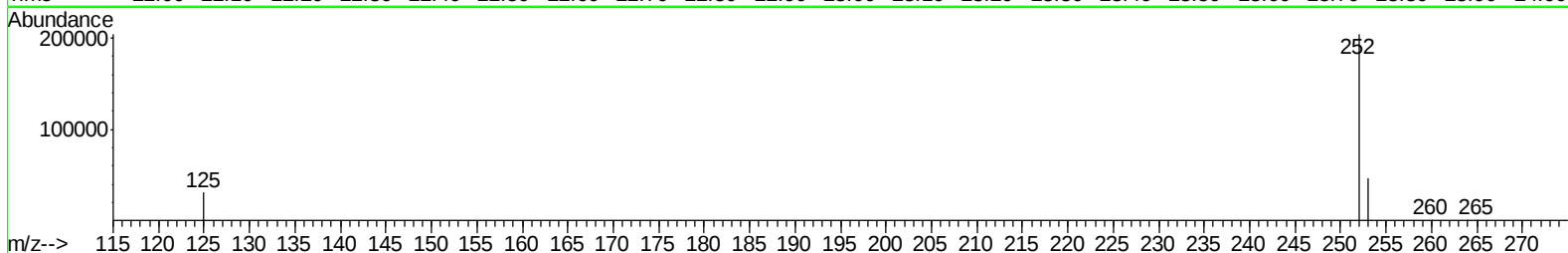
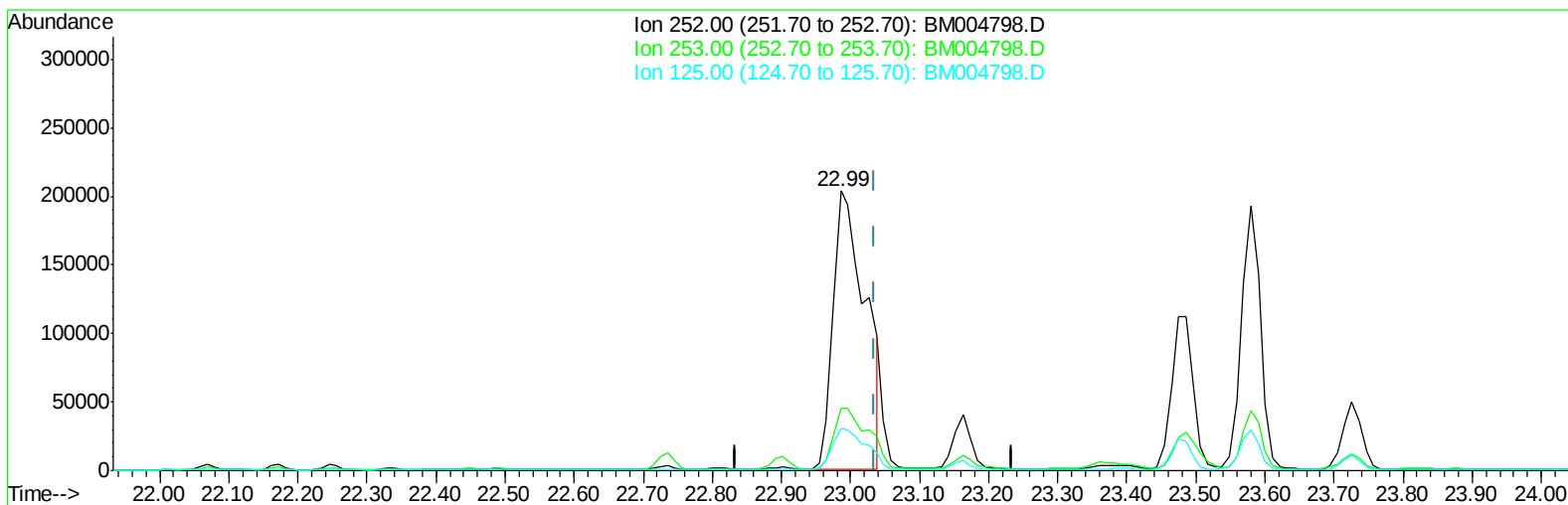
22.986min (-0.007) 22.73ng/ul m

response 523560

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	22.39
125.00	14.40	14.93
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004798.D
Acq On : 26 Mar 2016 04:10
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 05 19:56:03 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: BM004798.D

(24) Benzo(k)fluoranthene

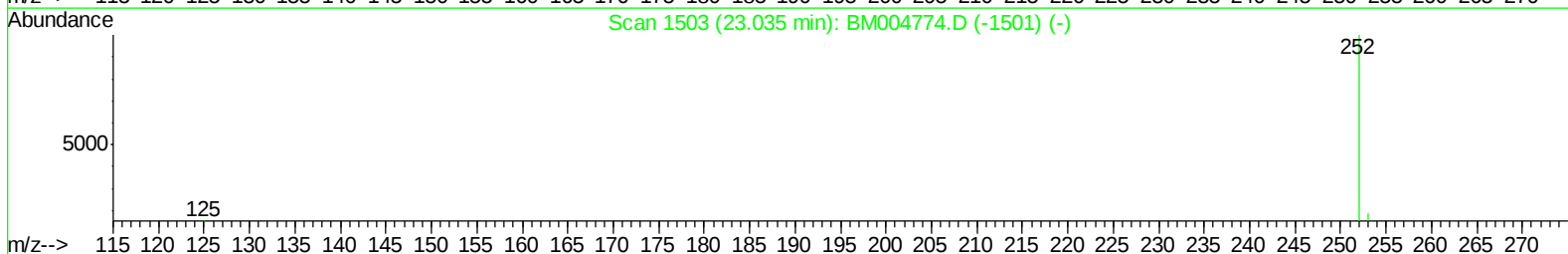
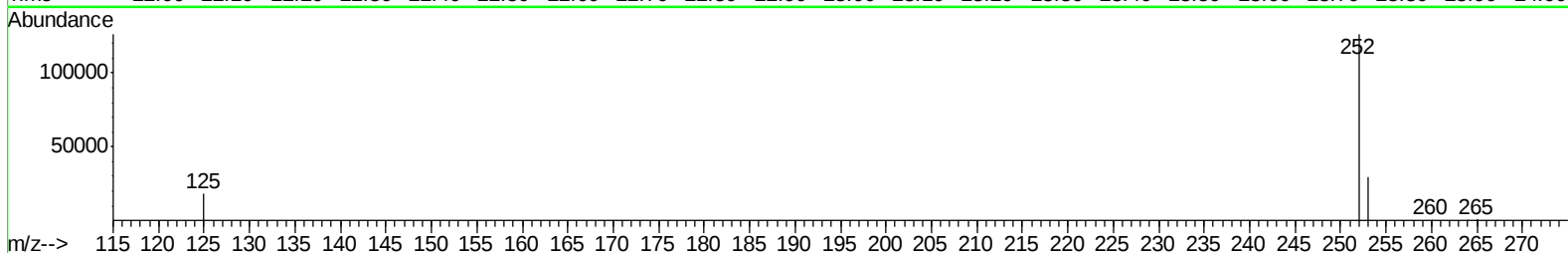
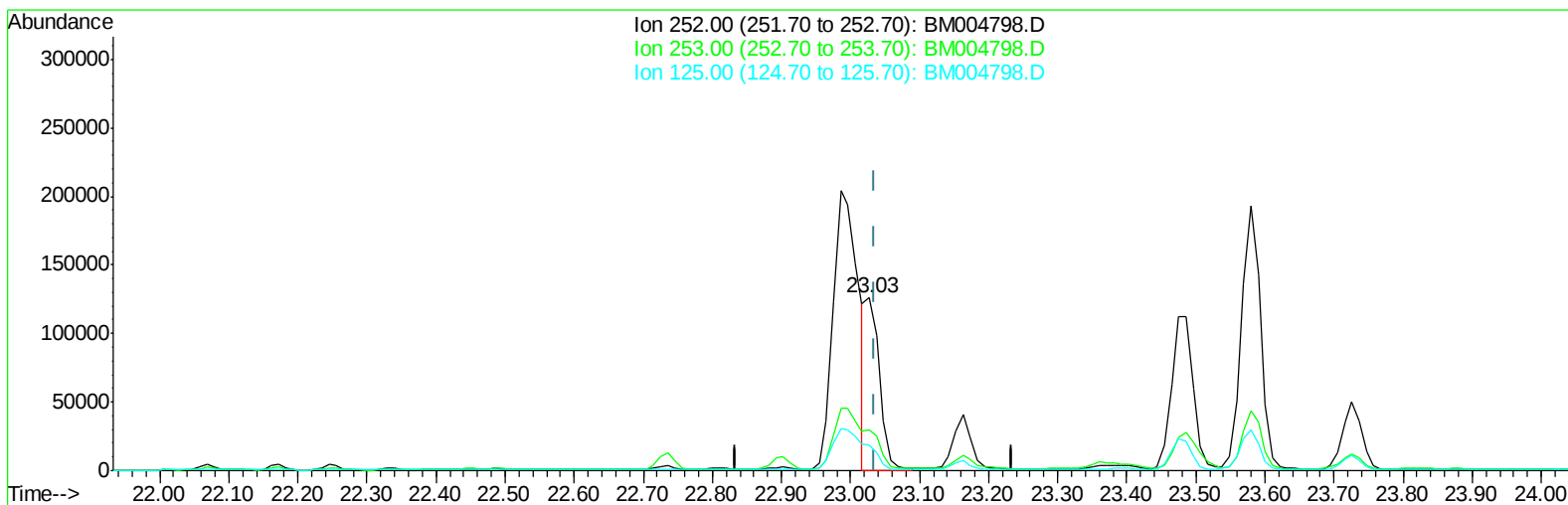
22.986min (-0.049) 30.81ng/ul

response 657686

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	22.39
125.00	13.00	14.93
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004798.D
Acq On : 26 Mar 2016 04:10
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 05 19:56:03 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: BM004798.D

(24) Benzo(k)fluoranthene

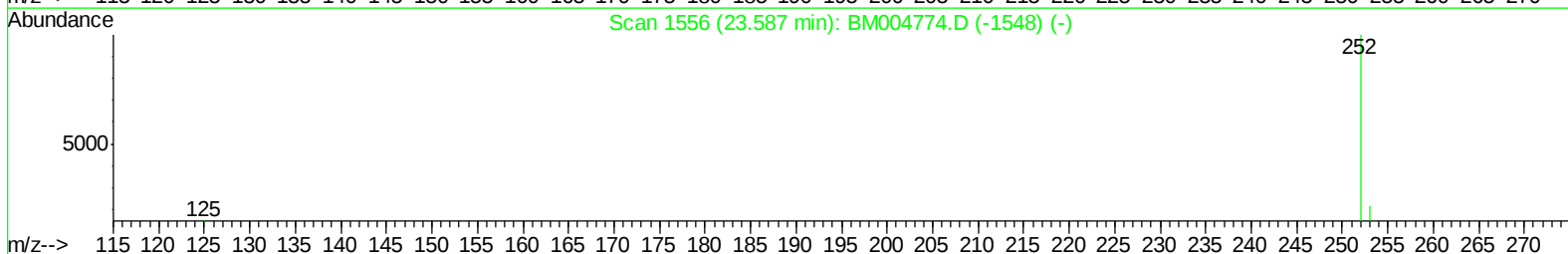
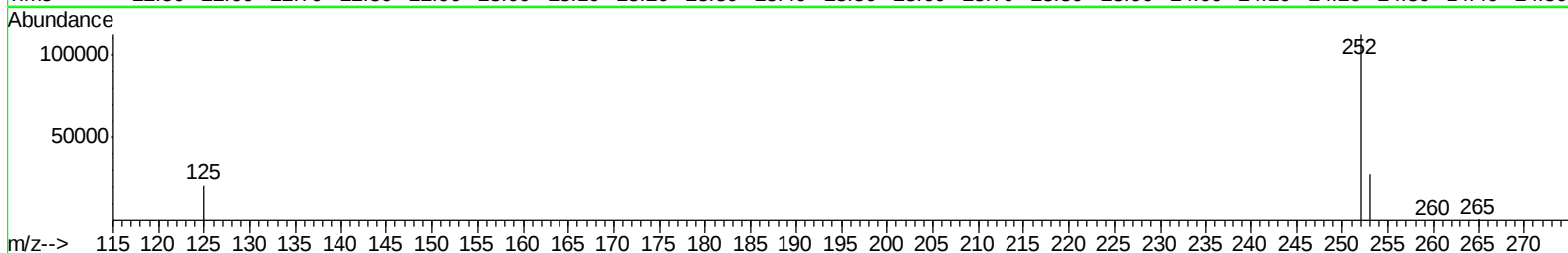
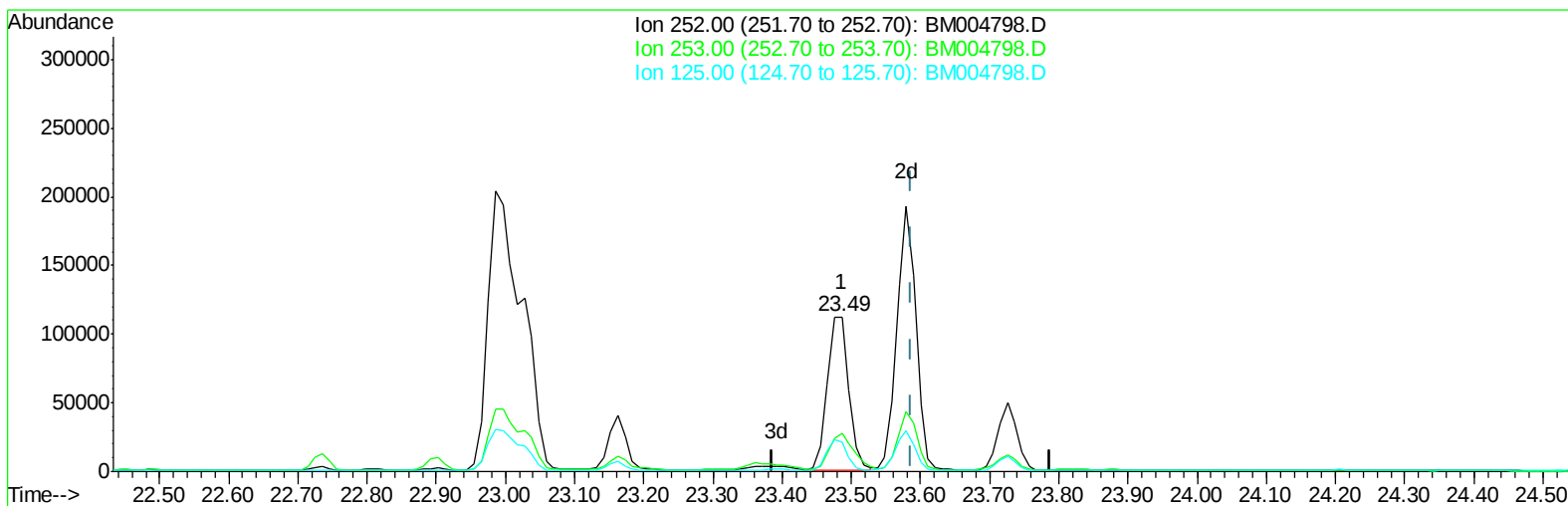
23.027min (-0.007) 8.06ng/ul m

response 172047

Ion	Exp%	Act%
252.00	100	100
253.00	24.80	23.31
125.00	13.00	14.50
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004798.D
Acq On : 26 Mar 2016 04:10
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 05 19:56:03 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: BM004798.D

(25) Benzo(a)pyrene (C)

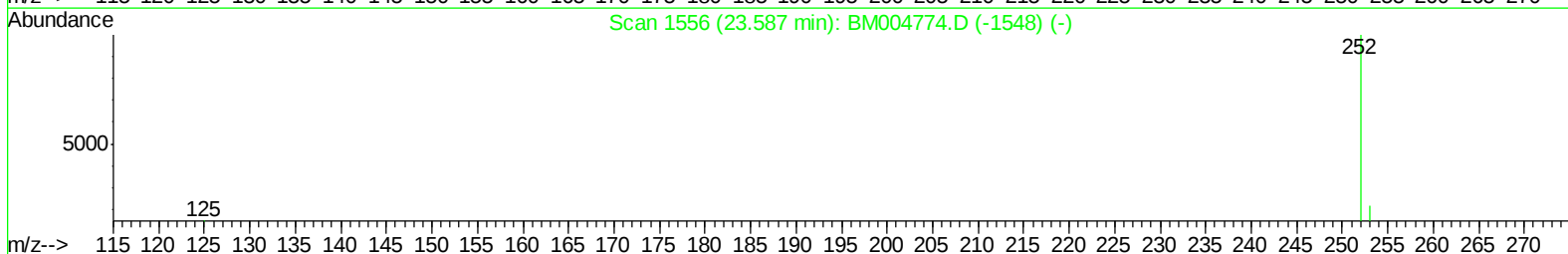
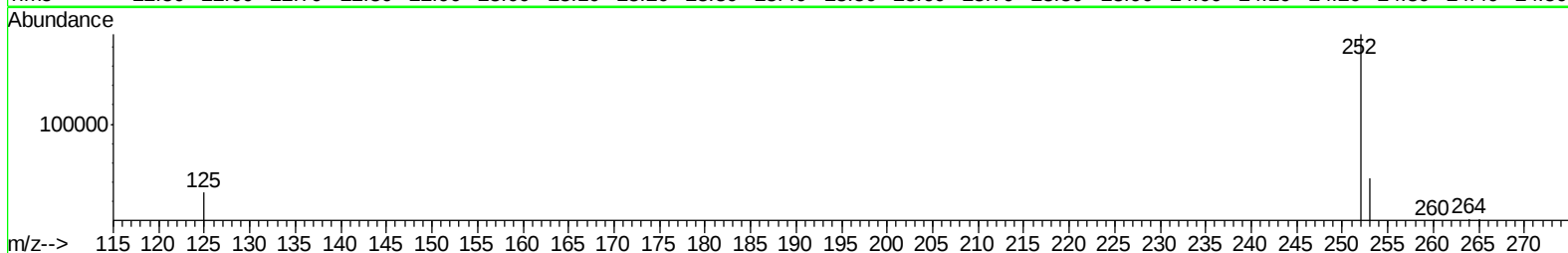
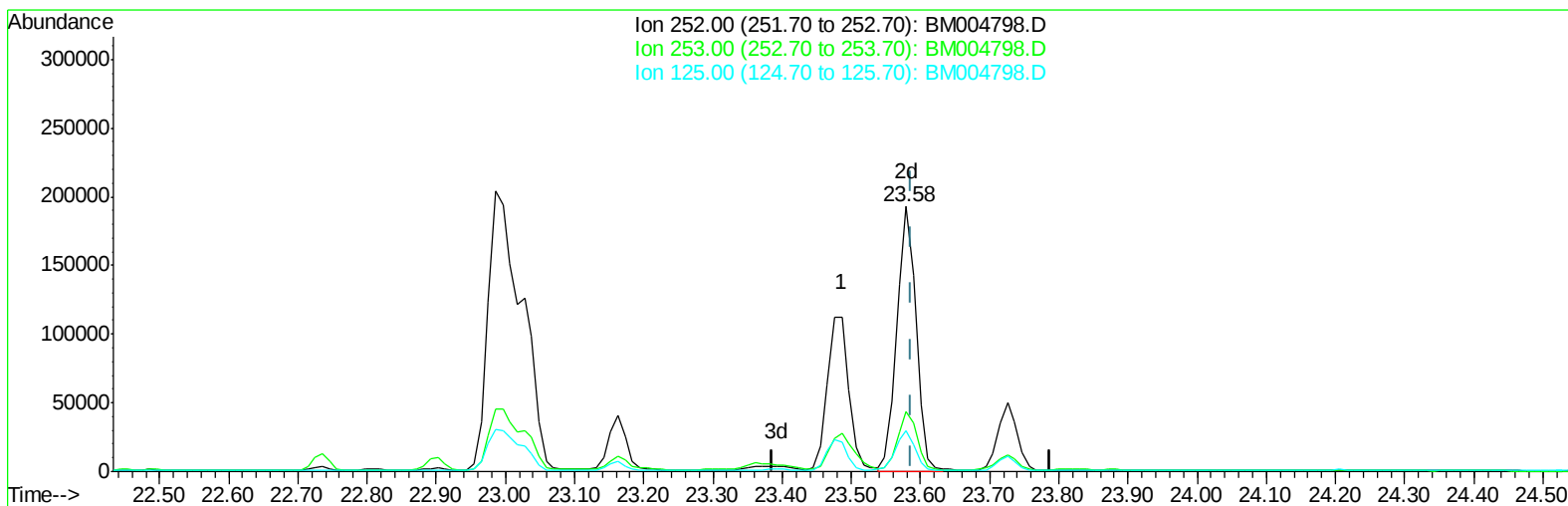
23.486min (-0.101) 11.38ng/ul

response 239613

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	24.98
125.00	15.90	18.94
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004798.D
Acq On : 26 Mar 2016 04:10
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 05 19:56:03 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: BM004798.D

(25) Benzo(a)pyrene (C)

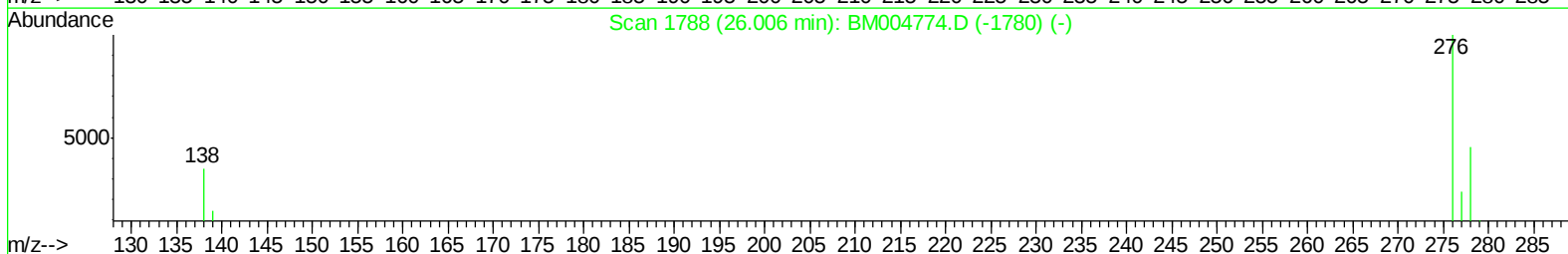
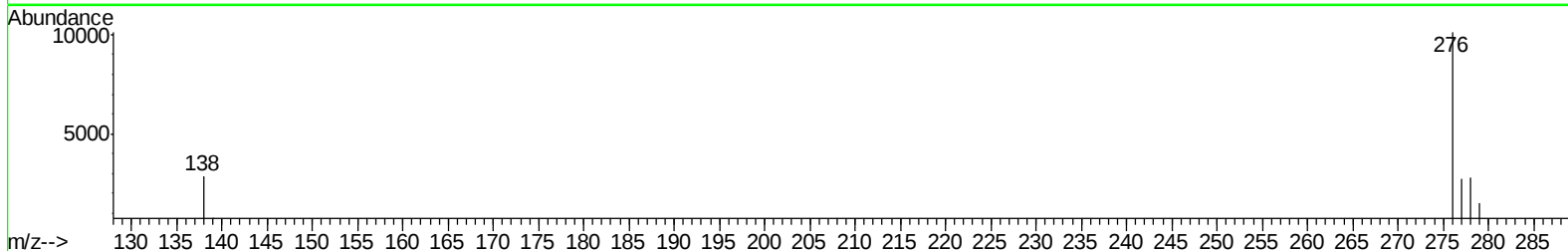
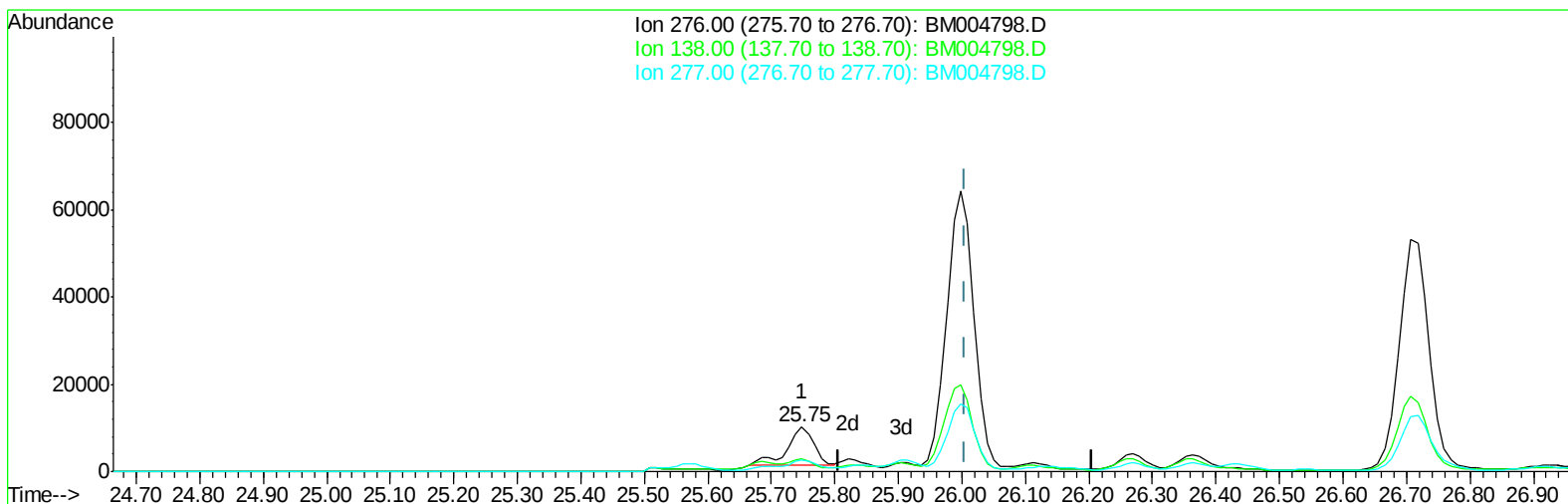
23.580min (-0.007) 17.68ng/ul m

response 372322

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	22.64
125.00	15.90	15.28
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004798.D
Acq On : 26 Mar 2016 04:10
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 05 19:56:03 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: BM004798.D

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

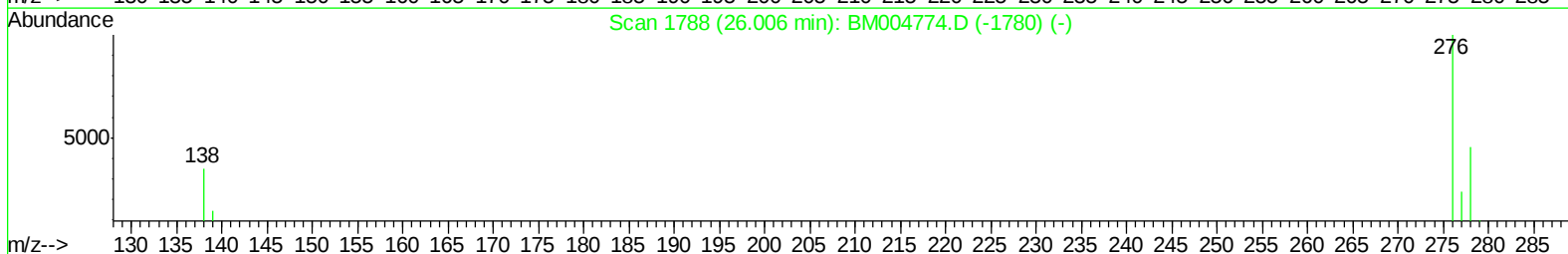
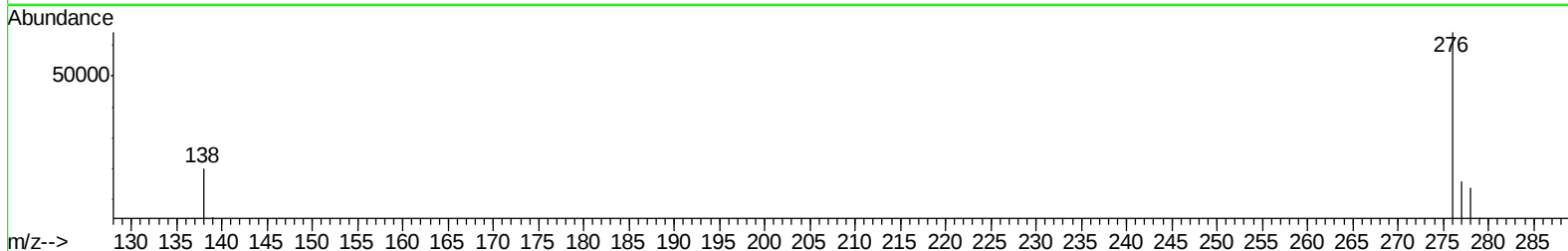
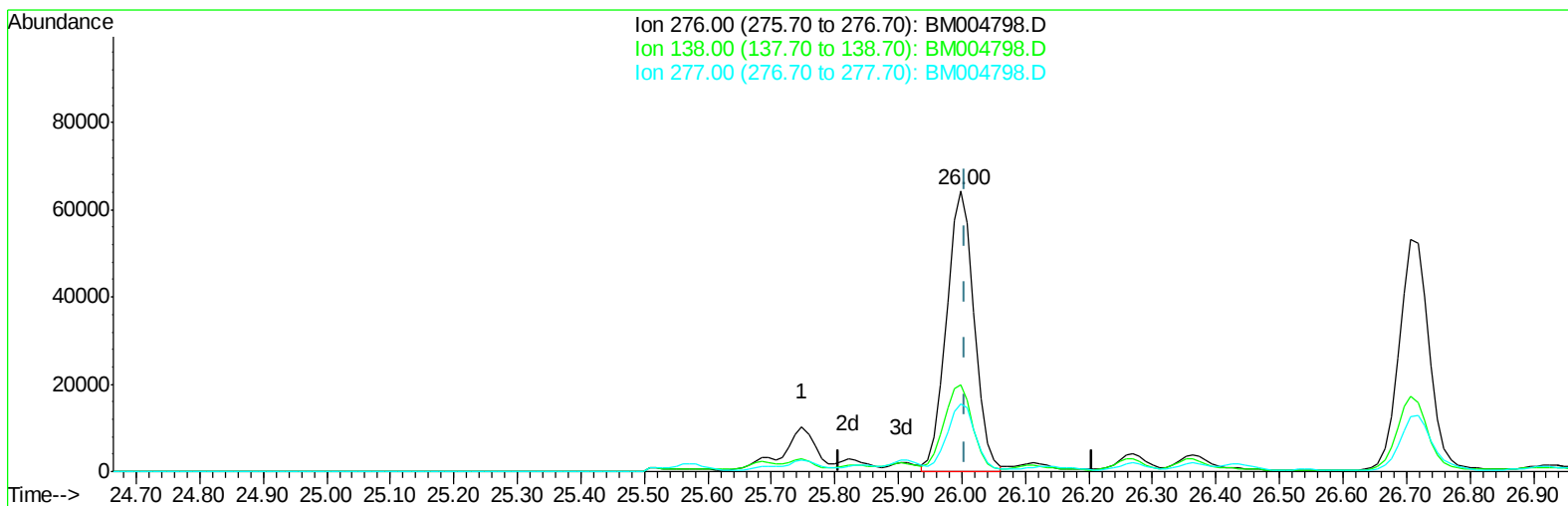
25.748min (-0.258) 1.33ng/ul

response 26009

Ion	Exp%	Act%
276.00	100	100
138.00	20.40	18.77
277.00	24.80	25.94
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004798.D
Acq On : 26 Mar 2016 04:10
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 05 19:56:03 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: BM004798.D

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

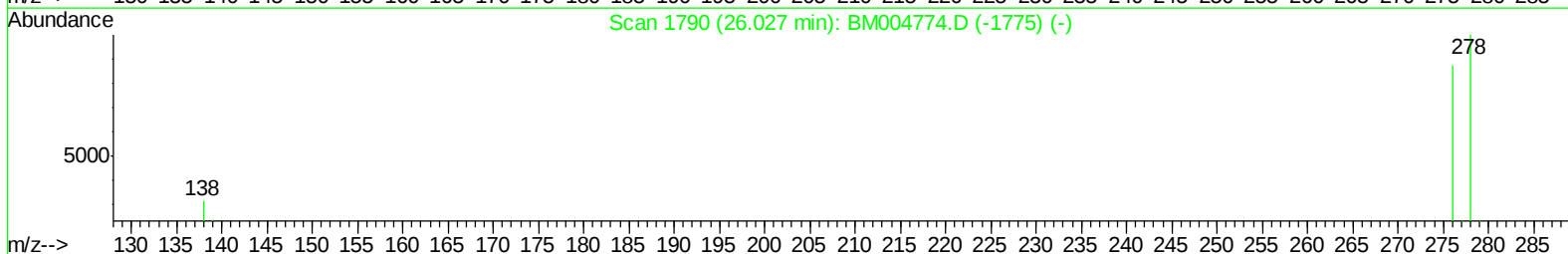
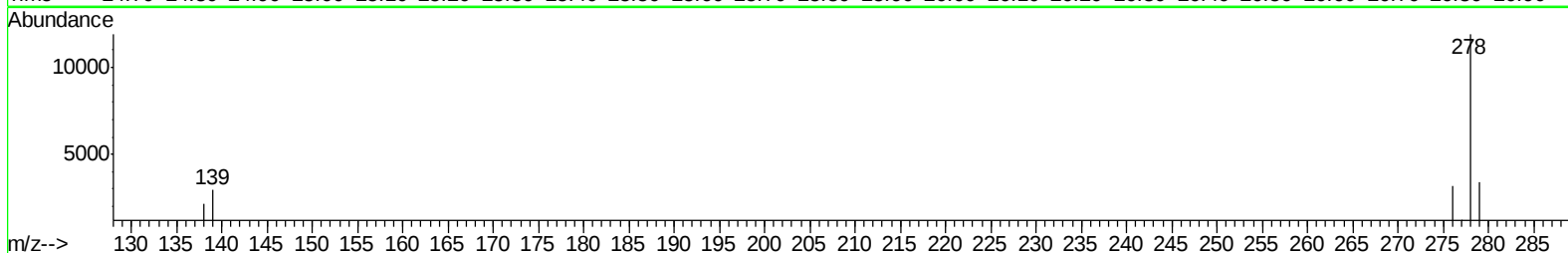
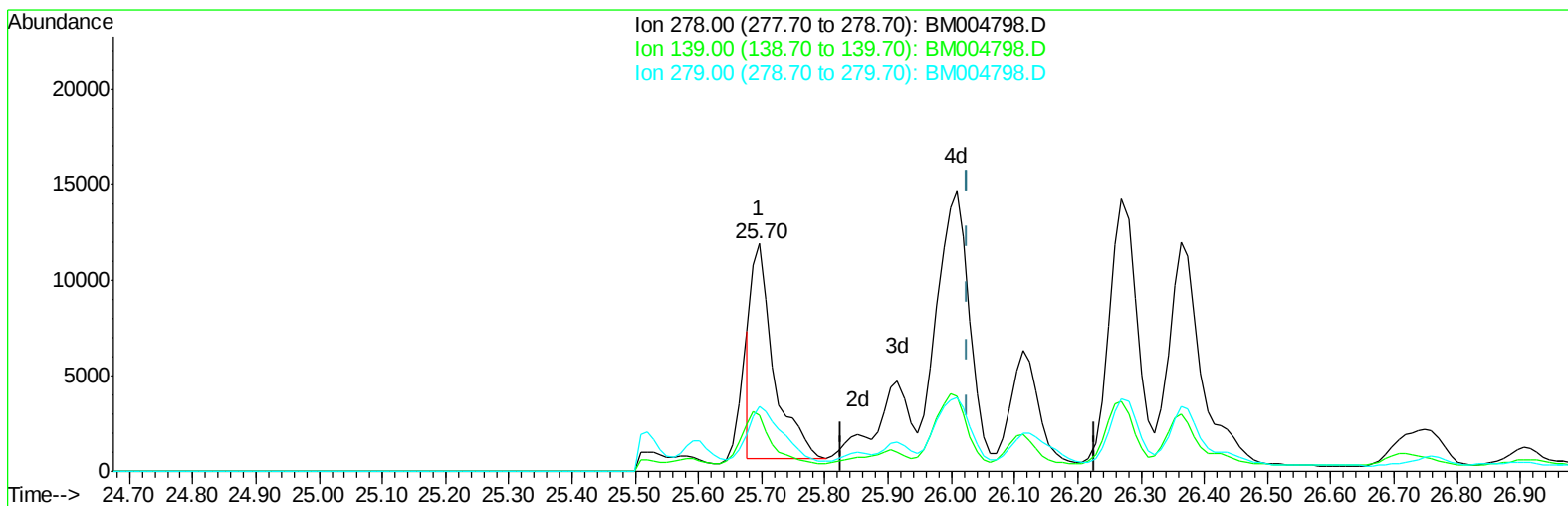
25.998min (-0.007) 10.00ng/ul m

response 194983

Ion	Exp%	Act%
276.00	100	100
138.00	20.40	2.50#
277.00	24.80	3.46#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004798.D
Acq On : 26 Mar 2016 04:10
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 05 19:56:03 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: BM004798.D

(27) Dibenzo(a,h)anthracene

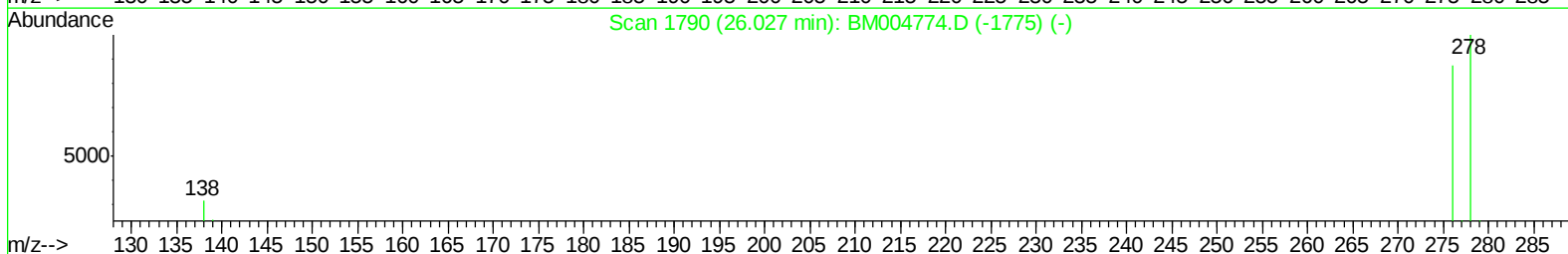
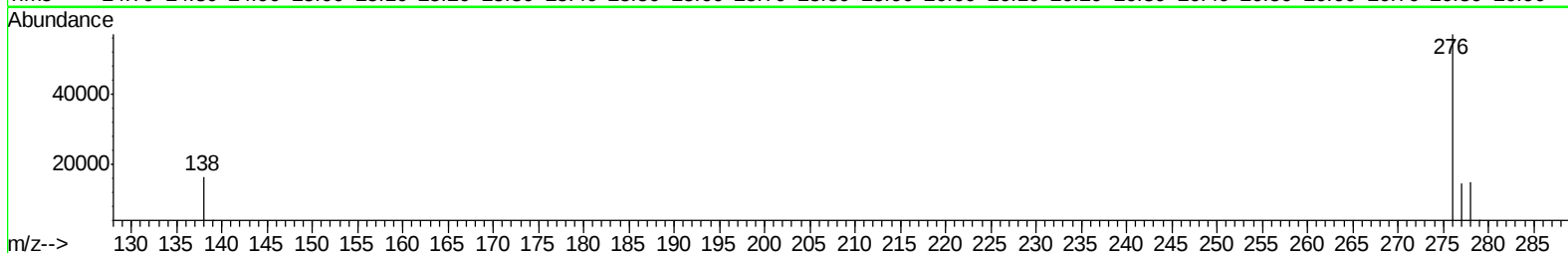
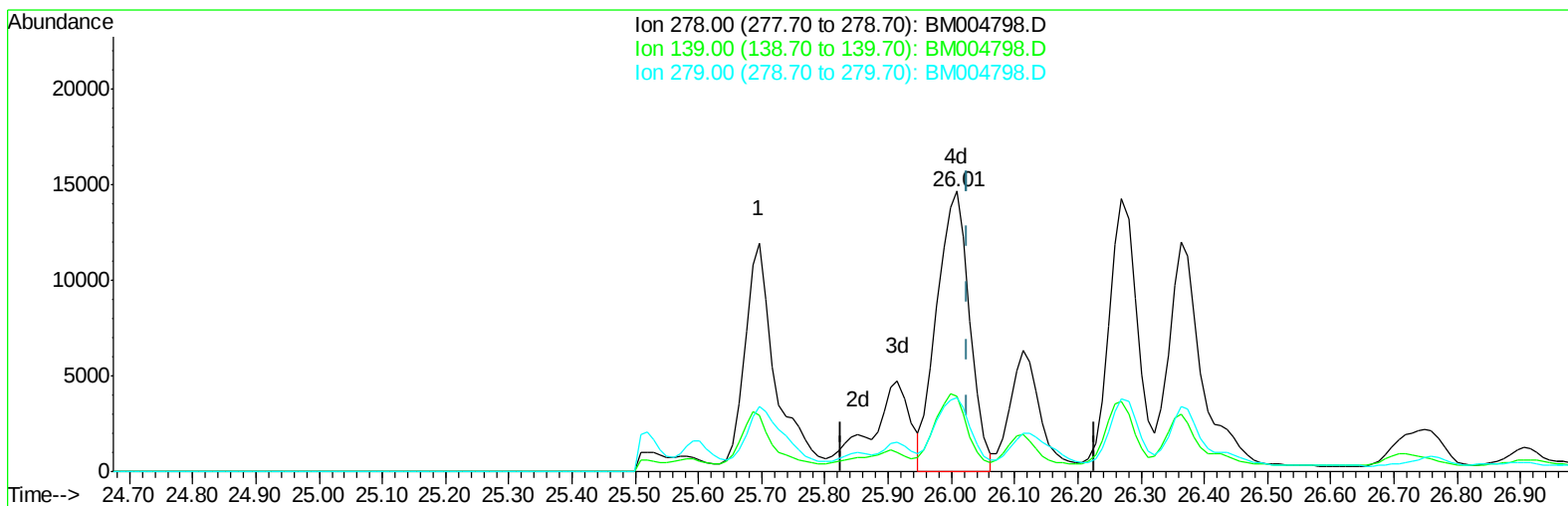
25.696min (-0.331) 1.82ng/ul

response 27997

Ion	Exp%	Act%
278.00	100	100
139.00	20.50	24.55
279.00	25.20	28.41
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004798.D
Acq On : 26 Mar 2016 04:10
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 05 19:56:03 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: BM004798.D

(27) Dibenzo(a,h)anthracene

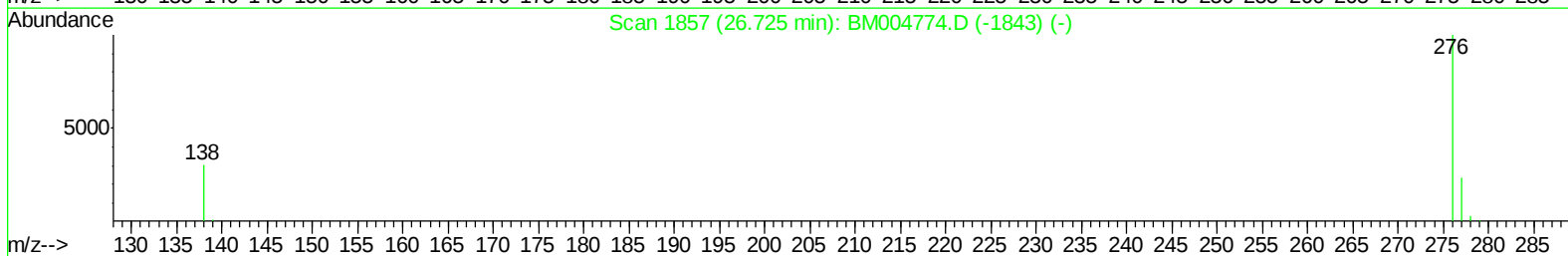
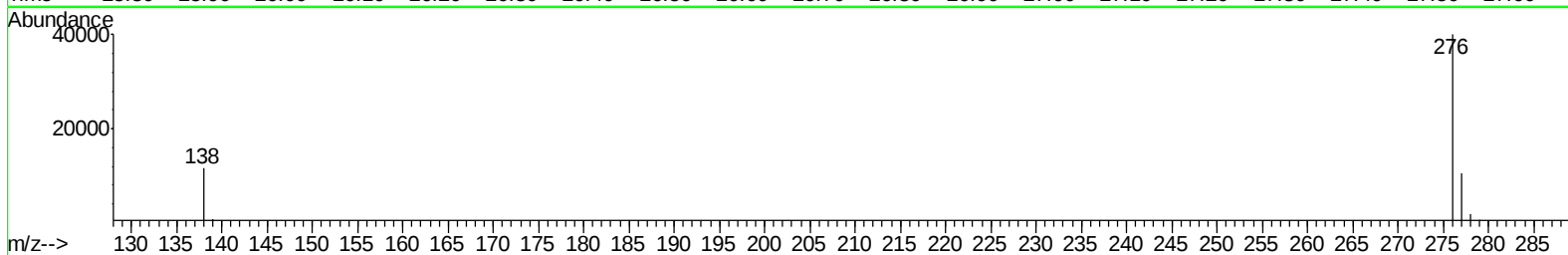
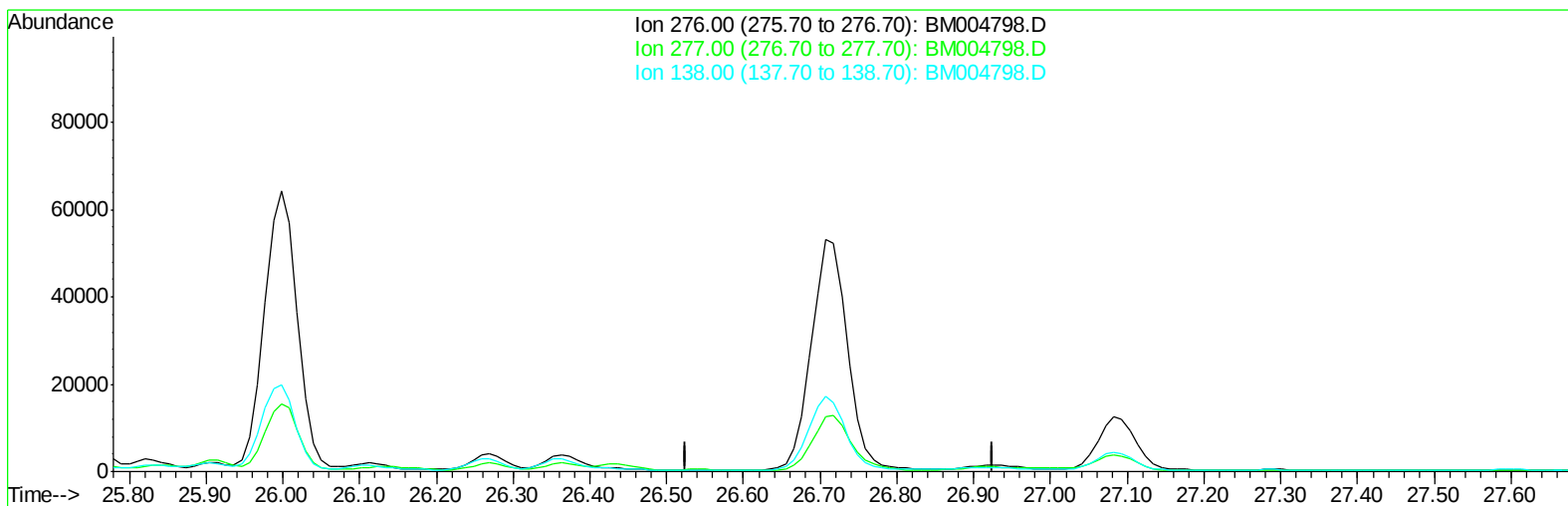
26.009min (-0.018) 3.44ng/ul m

response 52713

Ion	Exp%	Act%
278.00	100	100
139.00	20.50	26.65#
279.00	25.20	26.46
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004798.D
Acq On : 26 Mar 2016 04:10
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 05 19:56:03 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: BM004798.D

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

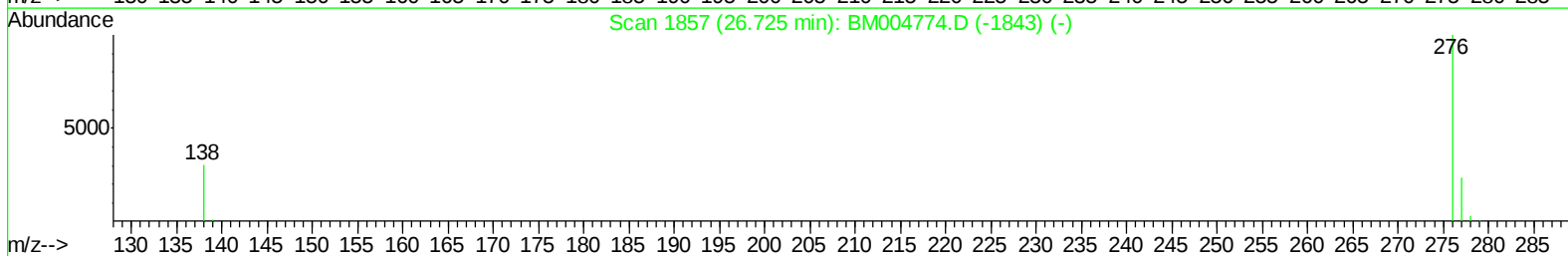
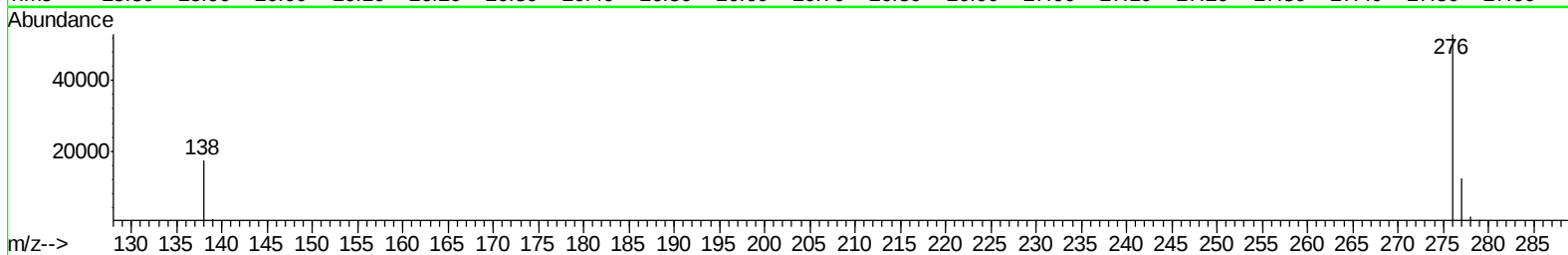
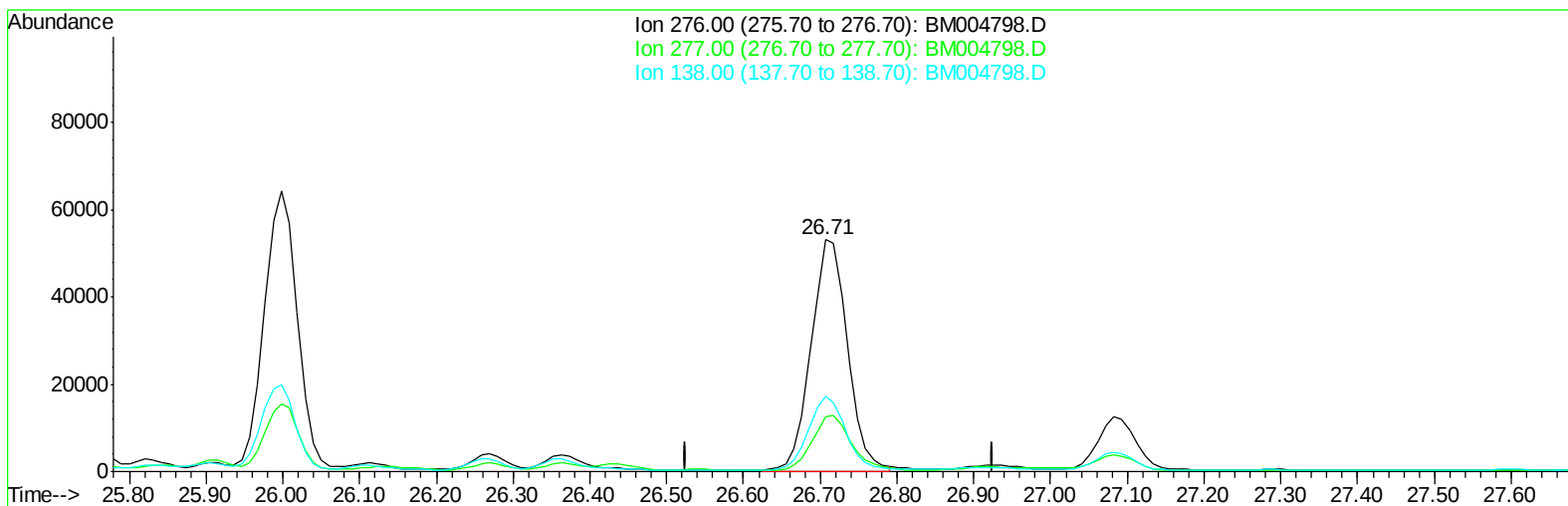
26.725min (-26.725) 0.00ng/ul

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 : BM004798.D
Acq On : 26 Mar 2016 04:10
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 05 19:56:03 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: BM004798.D

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

26.707min (-0.018) 10.87ng/ul m

response 175413

Ion	Exp%	Act%
276.00	100	100
277.00	23.60	23.44
138.00	28.10	32.74
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
 Data File : BM004798.D
 Acq On : 26 Mar 2016 04:10
 Operator : UM/SJ
 Sample : H1909-17
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 05 19:57:47 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1256	0.40	ng/ul	0.00
4) Naphthalene-d8	10.62	136	6029	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.45	164	3783	0.40	ng/ul	-0.02
12) Phenanthrene-d10	17.21	188	8308m	0.40	ng/ul	0.00
18) Chrysene-d12	21.39	240	7394	0.40	ng/ul	0.00
22) Perylene-d12	23.68	264	6836m	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.32	96	3590	6.34	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.21	152	1733	0.21	ng/ul	0.00
16) Fluoranthene-d10	19.23	212	6267m	0.32	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.67	128	46220	3.17	ng/ul	99
7) 2-Methylnaphthalene	12.28	142	24499	2.35	ng/ul	99
9) Acenaphthylene	14.18	152	10580	0.61	ng/ul#	88
10) Acenaphthene	14.52	153	77673	6.31	ng/ul	93
11) Fluorene	15.51	166	85921	5.85	ng/ul	94
13) Pentachlorophenol	16.87	266	98	0.05	ng/ul	91
14) Phenanthrene	17.24	178	1034574m	44.32	ng/ul	
15) Anthracene	17.33	178	254363	11.53	ng/ul	97
17) Fluoranthene	19.27	202	1114599	41.94	ng/ul	93
19) Pyrene	19.63	202	1060981	41.90	ng/ul	94
20) Benzo(a)anthracene	21.37	228	532145	23.41	ng/ul#	94
21) Chrysene	21.42	228	493862	22.49	ng/ul	94
23) Benzo(b)fluoranthene	22.99	252	523560m	22.73	ng/ul	
24) Benzo(k)fluoranthene	23.03	252	172047m	8.06	ng/ul	
25) Benzo(a)pyrene	23.58	252	372322m	17.68	ng/ul	
26) Indeno(1,2,3-cd)pyrene	26.00	276	194983m	10.00	ng/ul	
27) Dibenzo(a,h)anthracene	26.01	278	52713m	3.44	ng/ul	
28) Benzo(g,h,i)perylene	26.71	276	175413m	10.87	ng/ul	

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

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032516\
Data File : BM004798.D
Acq On : 26 Mar 2016 04:10
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 05 19:57:47 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

