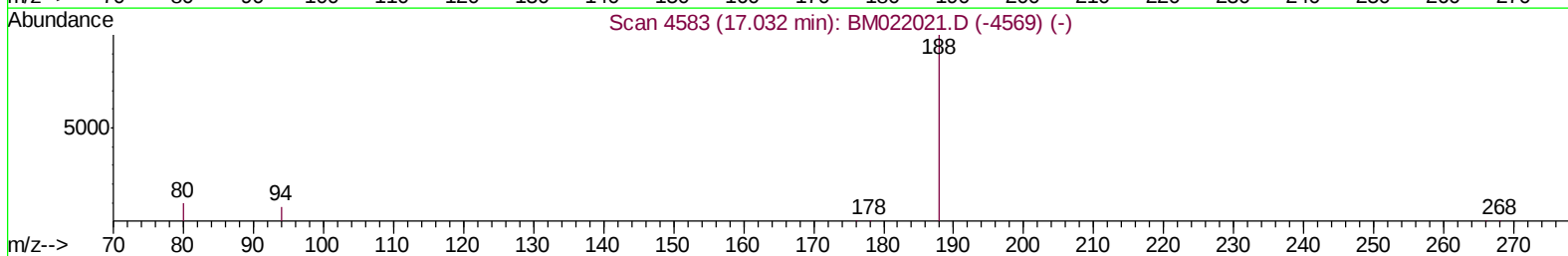
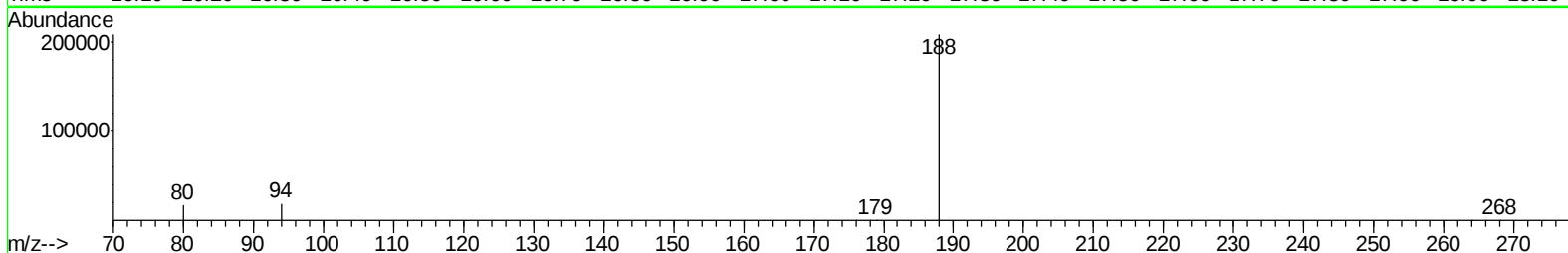
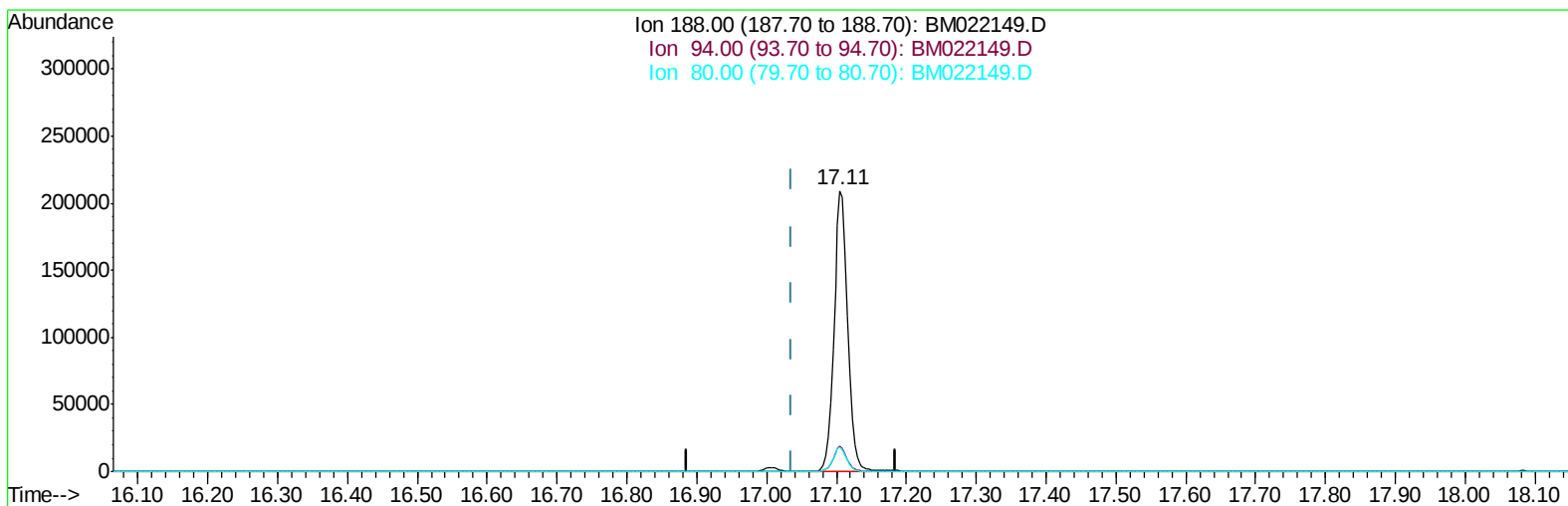


Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081519\
Data File : BM022149.D
Acq On : 15 Aug 2019 18:33
Operator : HP/JU
Sample : K4242-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 16 14:12:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration



TIC: BM022149.D

(10) Phenanthrene-d10 (I)

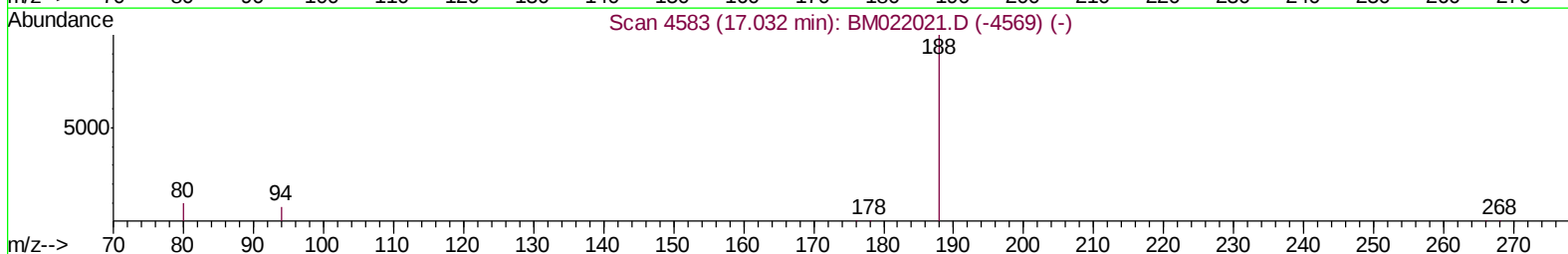
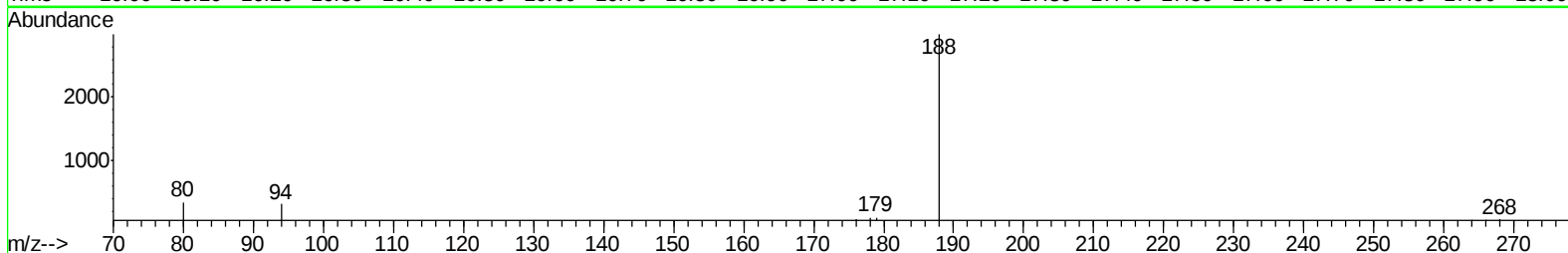
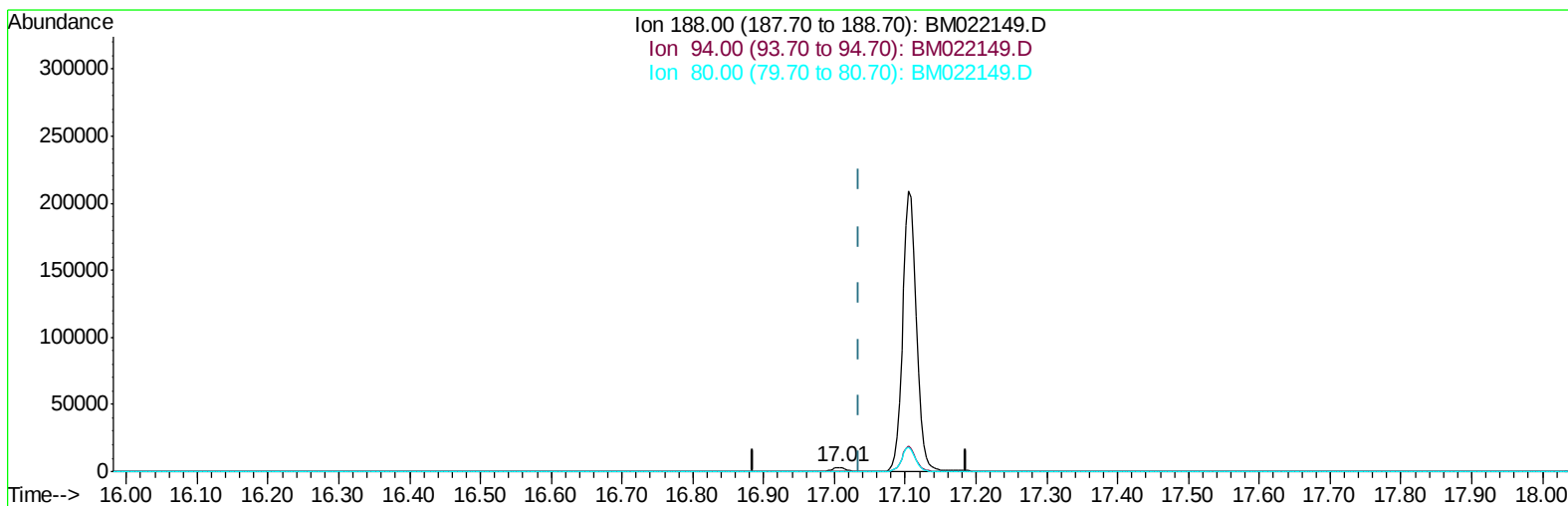
17.105min (+0.069) 0.40ng/ul

response 282536

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	8.98
80.00	11.40	8.45#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081519\
Data File : BM022149.D
Acq On : 15 Aug 2019 18:33
Operator : HP/JU
Sample : K4242-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 16 14:12:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration



TIC: BM022149.D

(10) Phenanthrene-d10 (I)

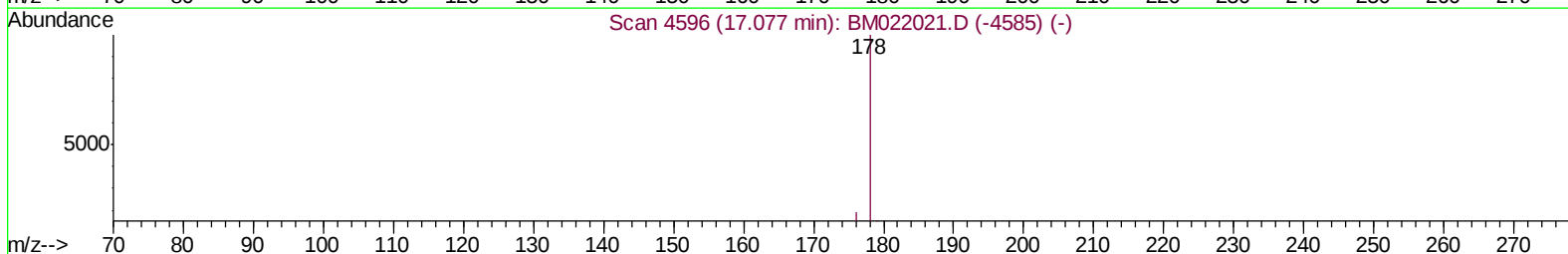
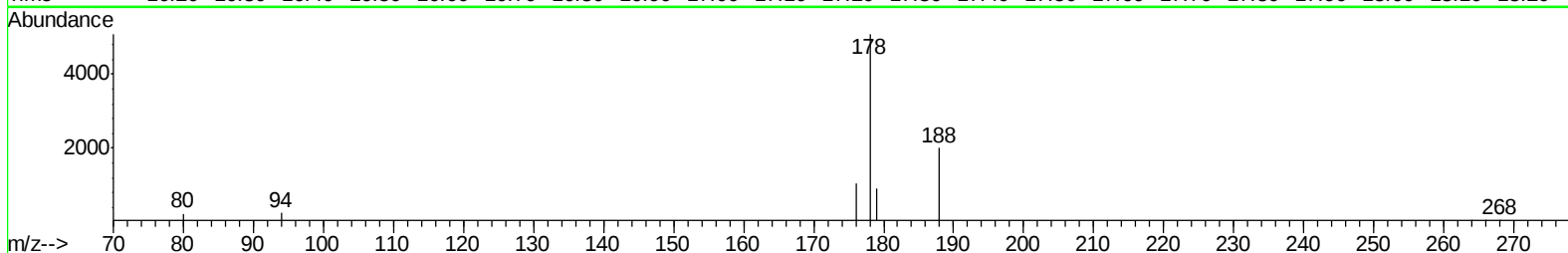
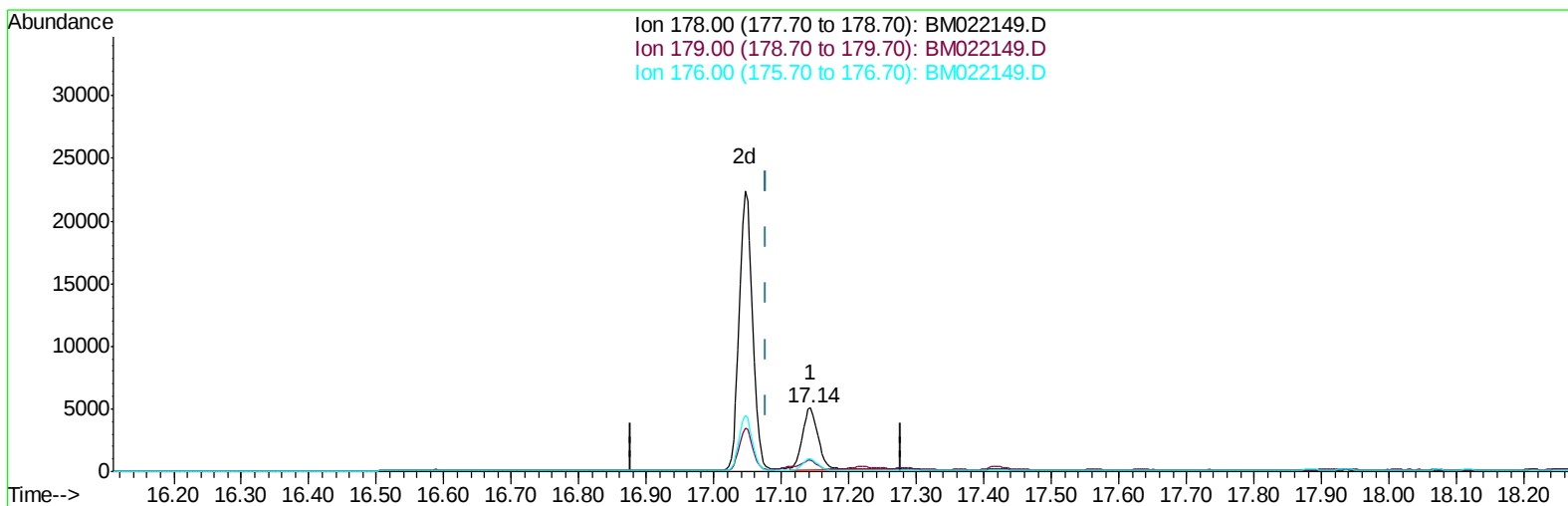
17.008min (-0.028) 0.40ng/ul m

response 4358

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	10.22
80.00	11.40	11.15
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081519\
Data File : BM022149.D
Acq On : 15 Aug 2019 18:33
Operator : HP/JU
Sample : K4242-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 16 14:25:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration



TIC: BM022149.D

(12) Phenanthrene

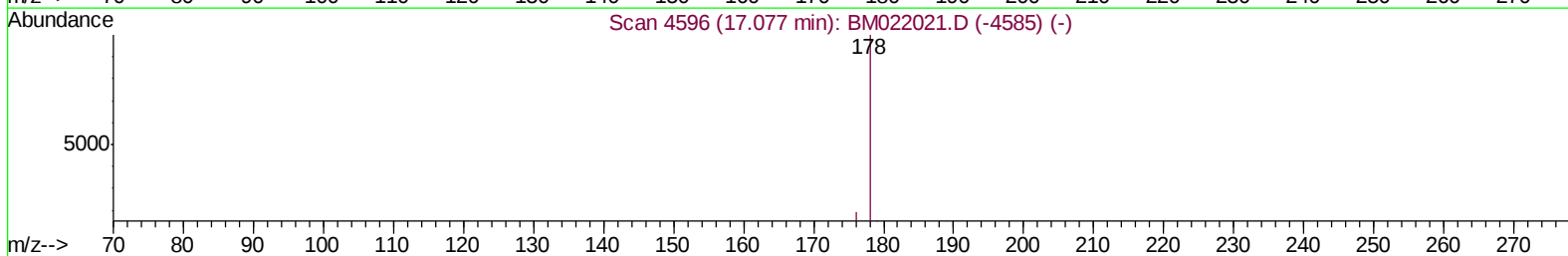
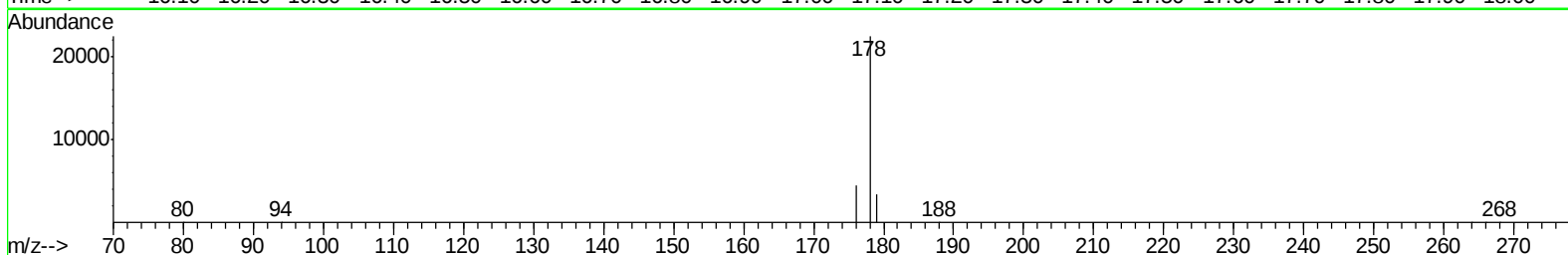
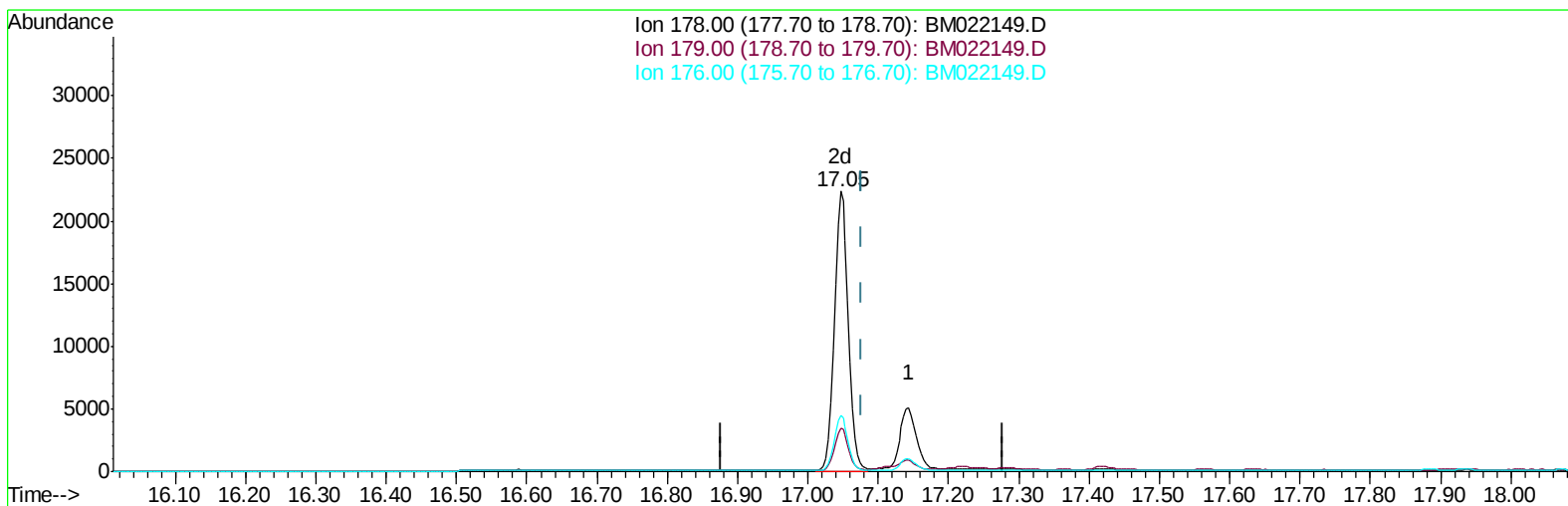
17.143min (+0.066) 0.65ng/ul

response 8303

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	17.77
176.00	21.00	20.52
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081519\
Data File : BM022149.D
Acq On : 15 Aug 2019 18:33
Operator : HP/JU
Sample : K4242-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 16 14:25:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration



TIC: BM022149.D

(12) Phenanthrene

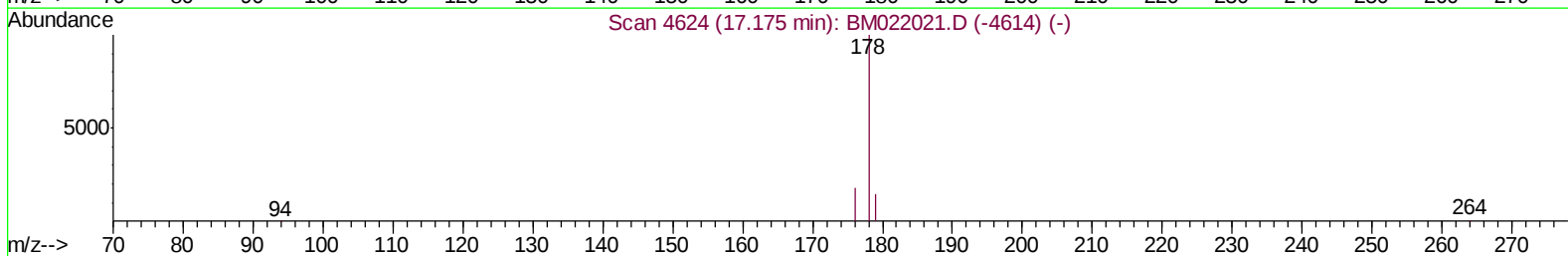
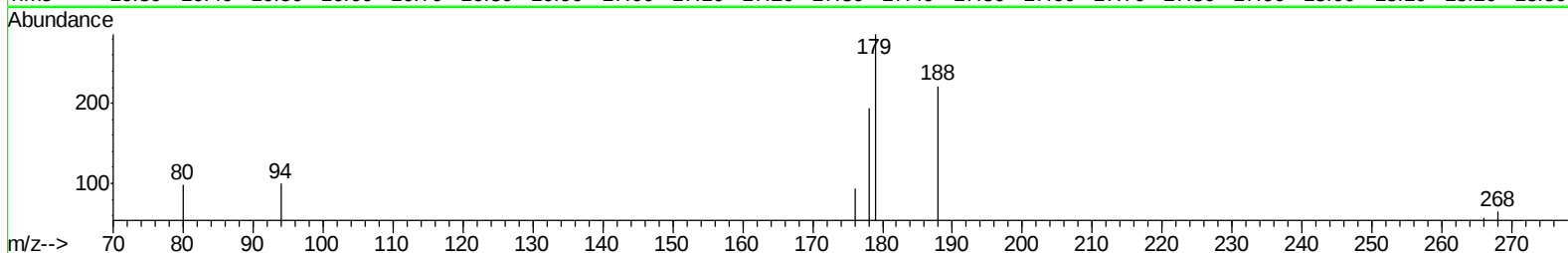
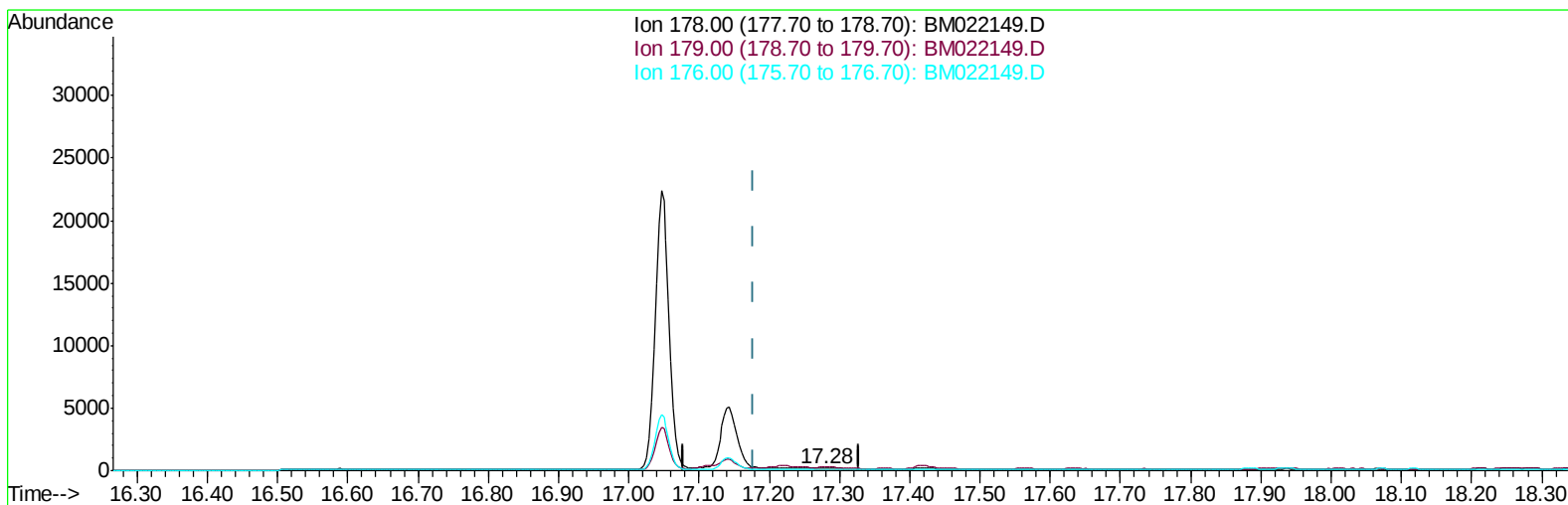
17.046min (-0.031) 2.46ng/ul m

response 31204

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	15.34
176.00	21.00	19.80
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081519\
Data File : BM022149.D
Acq On : 15 Aug 2019 18:33
Operator : HP/JU
Sample : K4242-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 16 14:25:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration



TIC: BM022149.D

(13) Anthracene

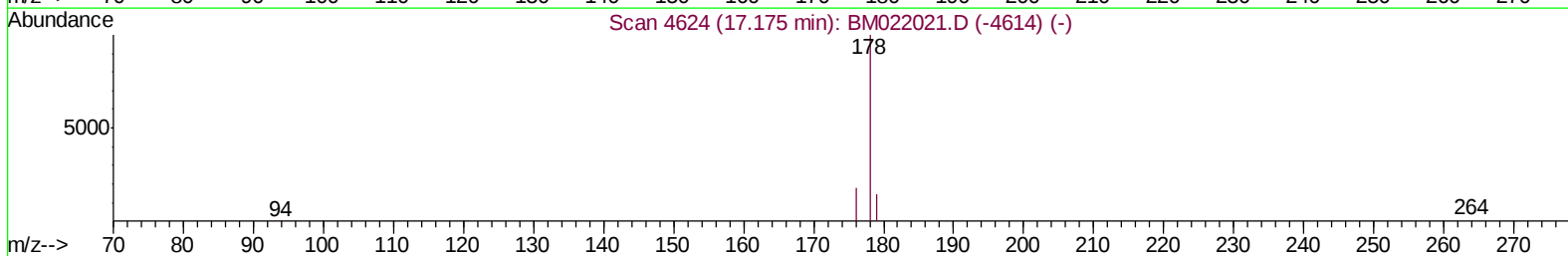
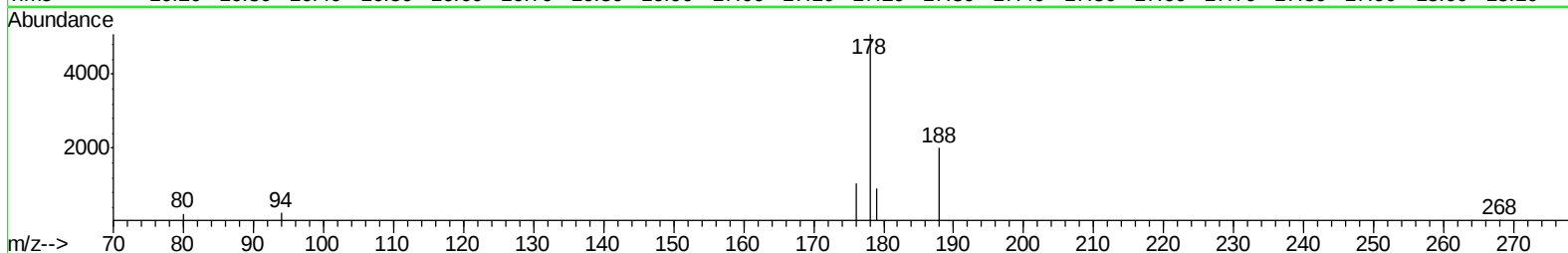
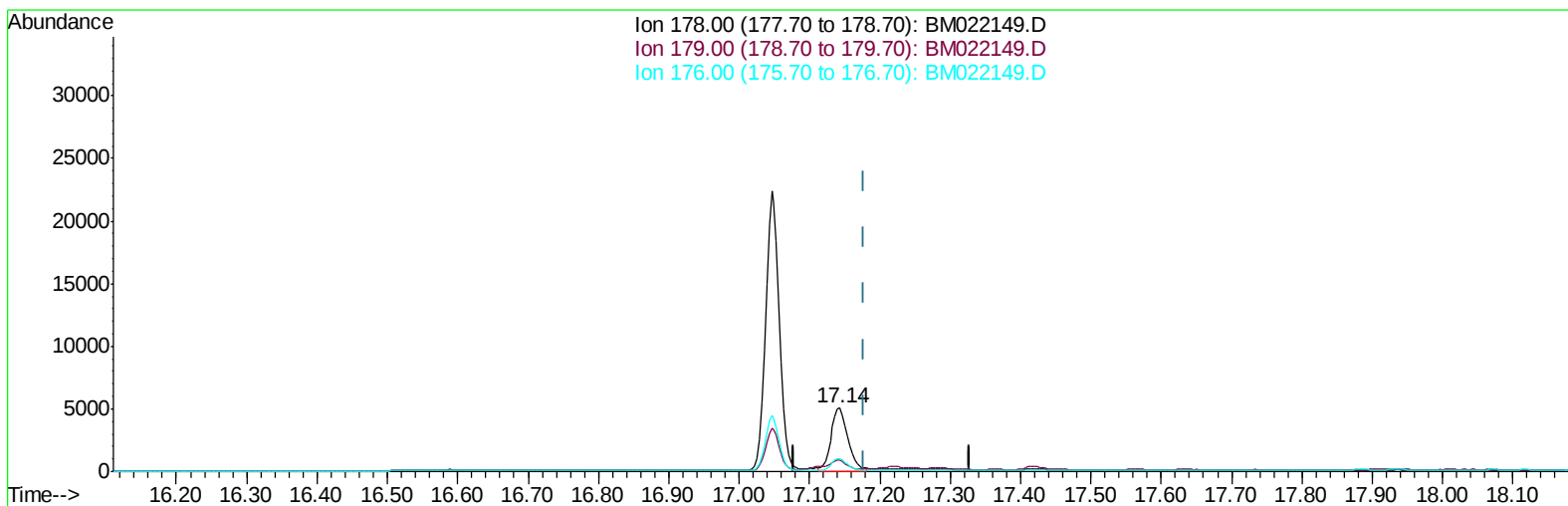
17.279min (+0.101) 0.01ng/ul

response 146

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	147.42#
176.00	20.80	48.45#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081519\
Data File : BM022149.D
Acq On : 15 Aug 2019 18:33
Operator : HP/JU
Sample : K4242-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 16 14:25:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration



TIC: BM022149.D

(13) Anthracene

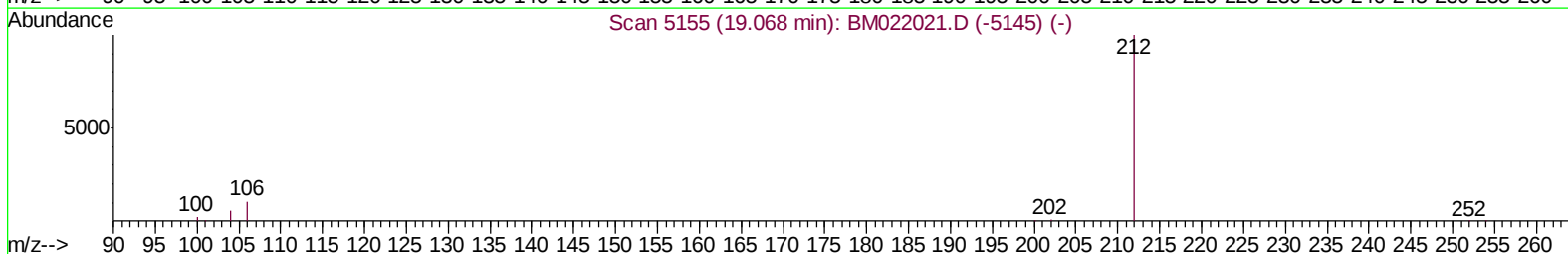
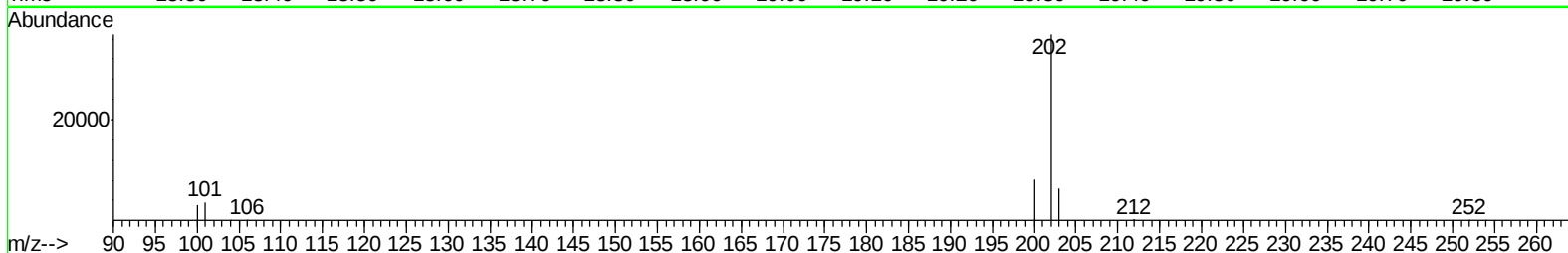
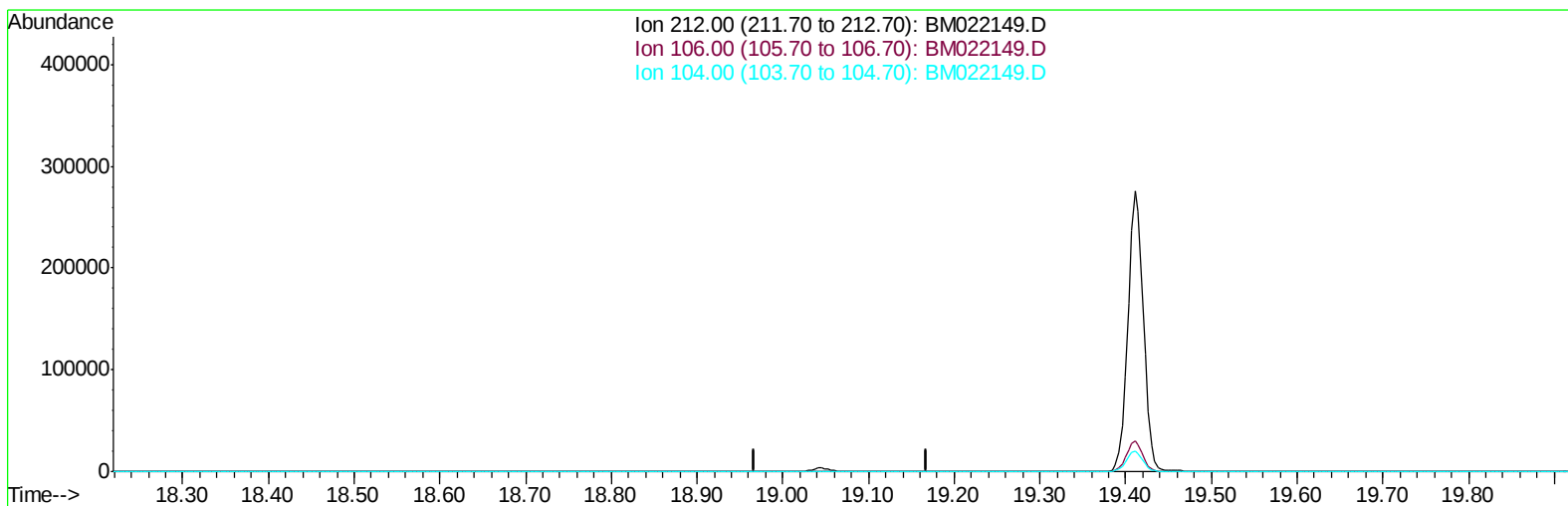
17.143min (-0.035) 0.79ng/ul m

response 8505

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	17.77
176.00	20.80	20.52
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081519\
Data File : BM022149.D
Acq On : 15 Aug 2019 18:33
Operator : HP/JU
Sample : K4242-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 16 14:25:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration



TIC: BM022149.D

(14) Fluoranthene-d10 (SURR)

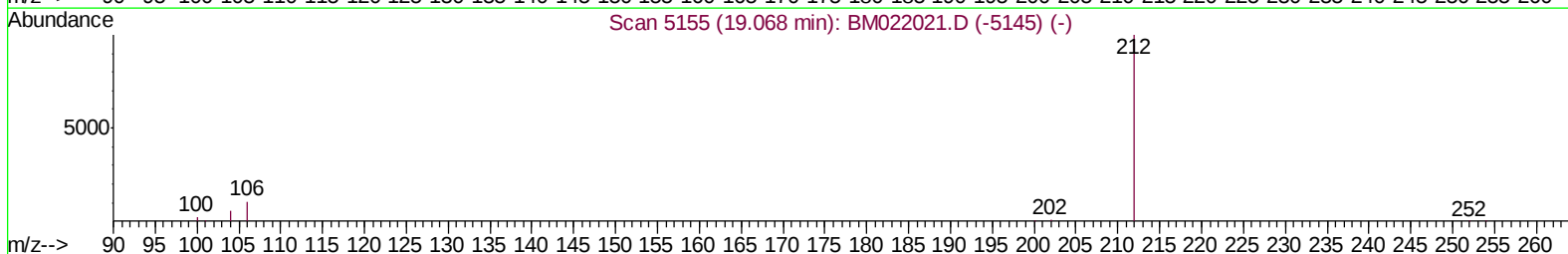
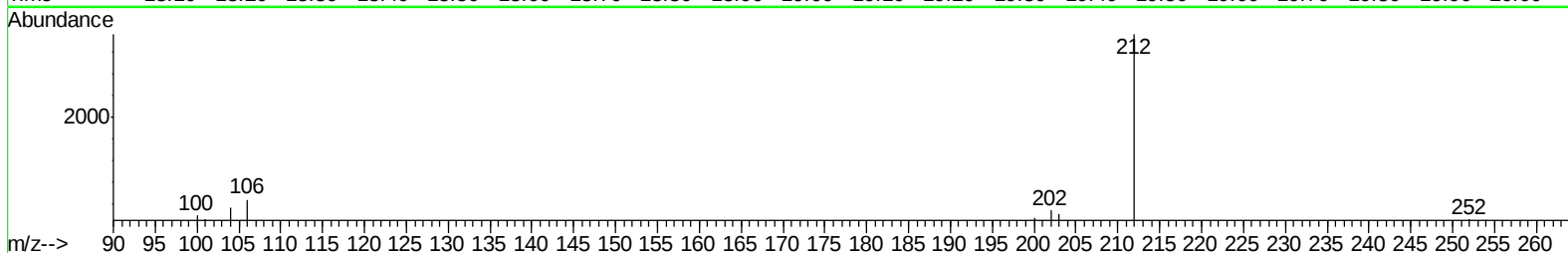
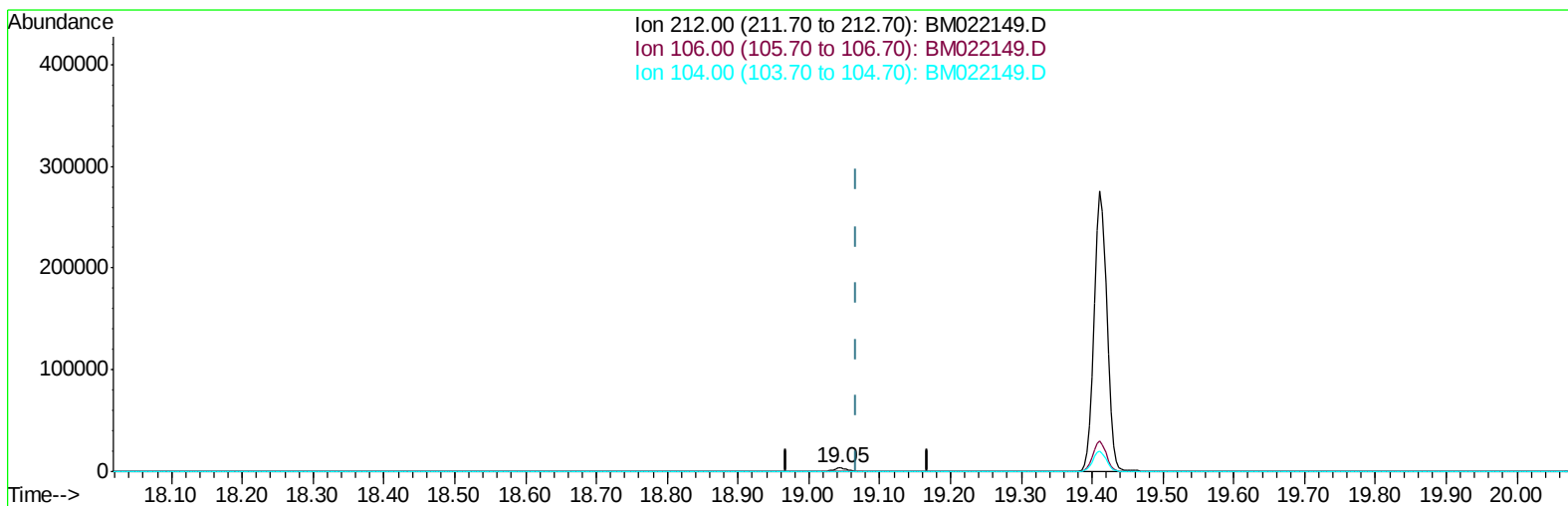
19.068min (-19.068) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	9.90	0.00#
104.00	6.00	0.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081519\
Data File : BM022149.D
Acq On : 15 Aug 2019 18:33
Operator : HP/JU
Sample : K4242-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 16 14:25:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration



TIC: BM022149.D

(14) Fluoranthene-d10 (SURR)

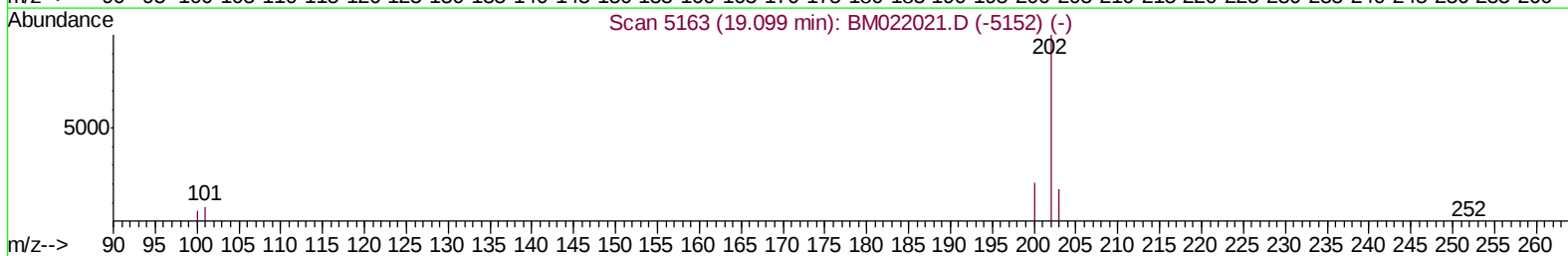
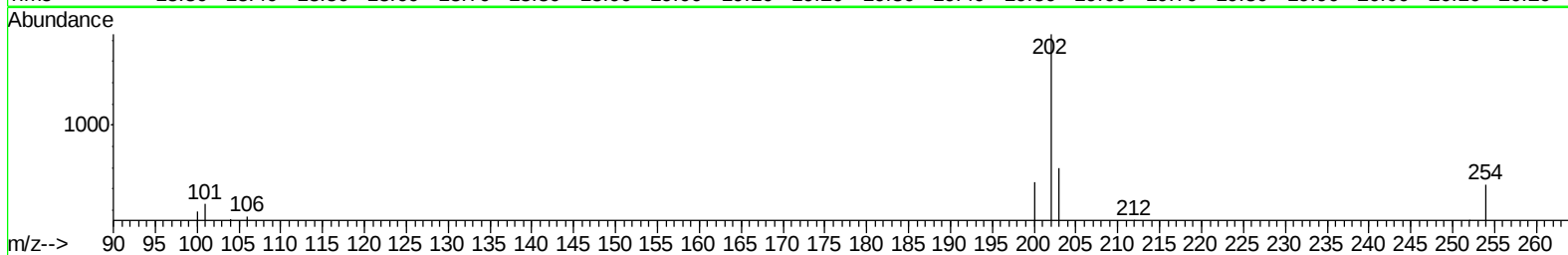
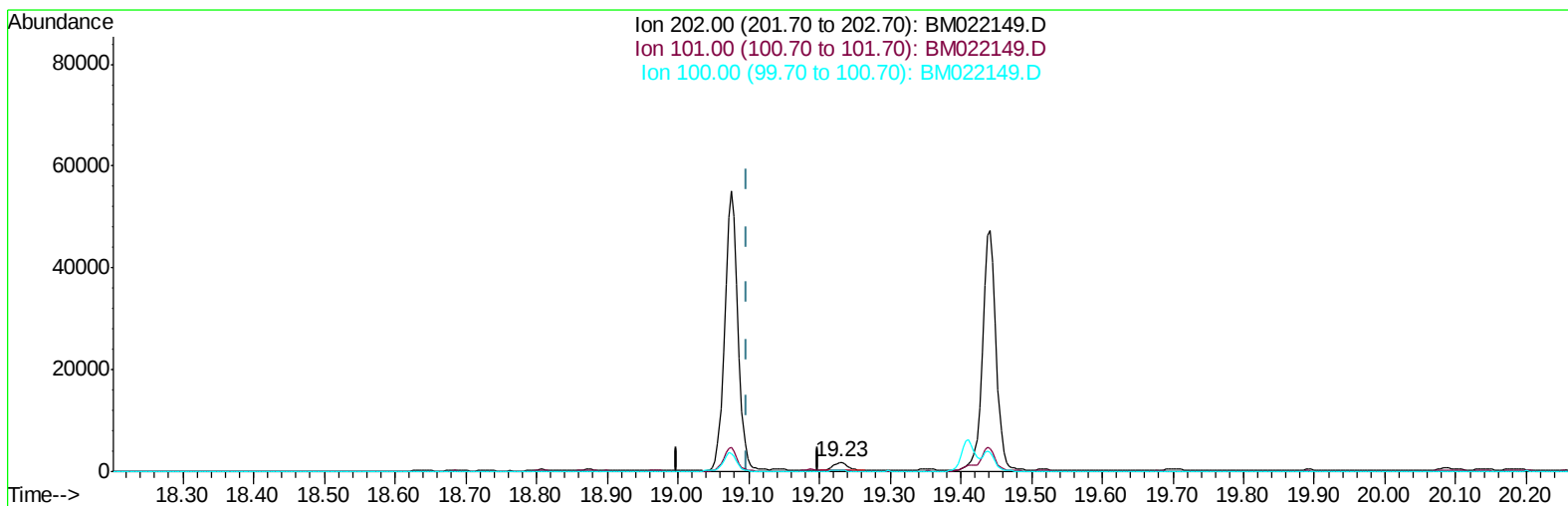
19.045min (-0.023) 0.33ng/ul m

response 4820

Ion	Exp%	Act%
212.00	100	100
106.00	9.90	0.00#
104.00	6.00	0.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081519\
Data File : BM022149.D
Acq On : 15 Aug 2019 18:33
Operator : HP/JU
Sample : K4242-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 16 14:25:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration



TIC: BM022149.D

(15) Fluoranthene (C)

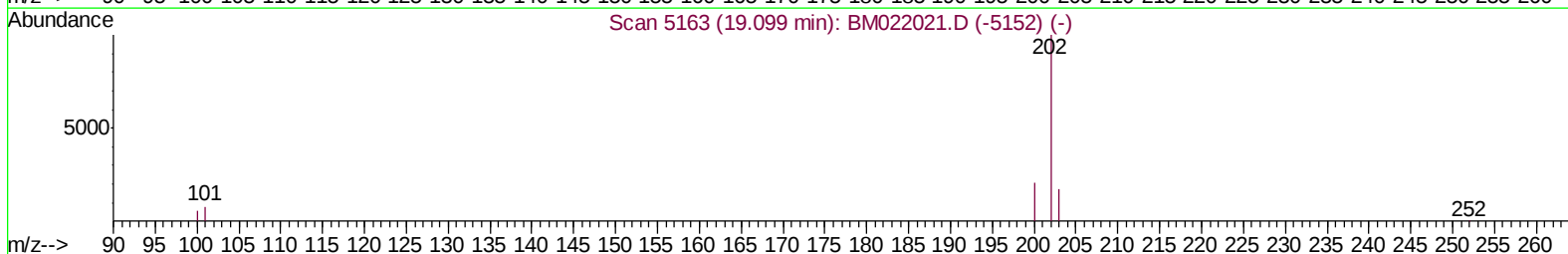
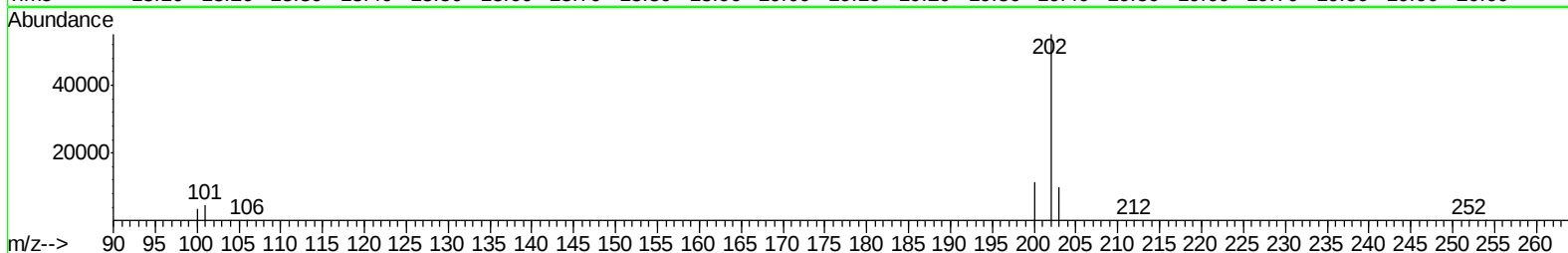
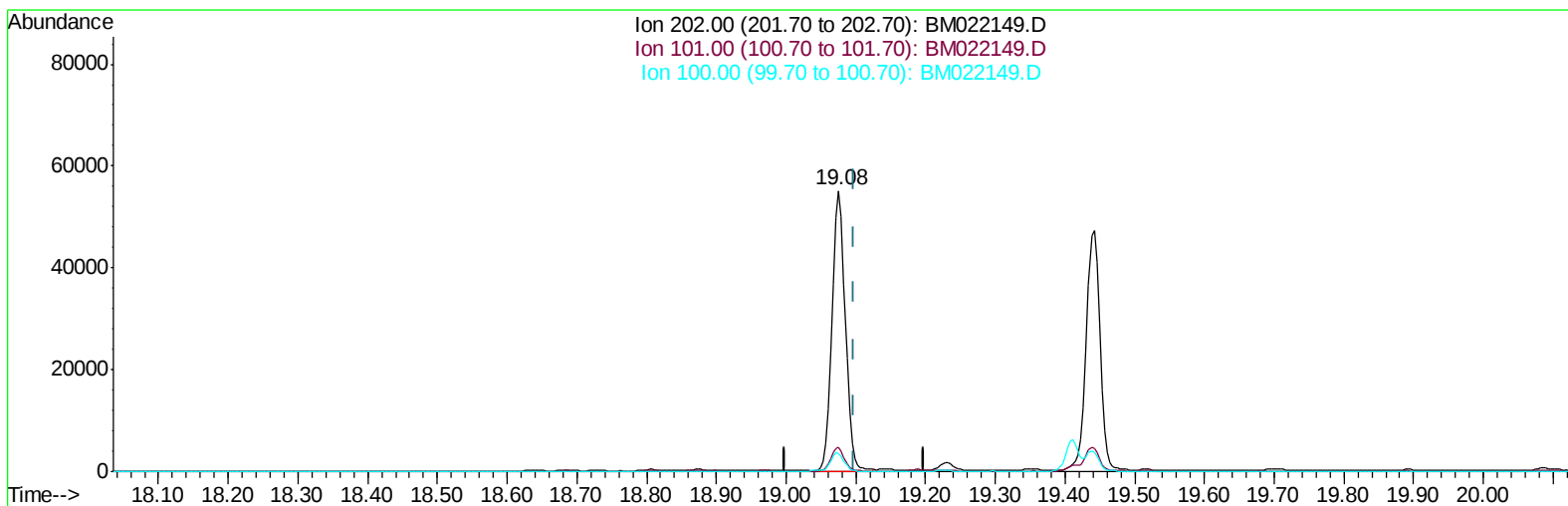
19.228min (+0.130) 0.12ng/ul

response 2038

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	13.75
100.00	8.10	9.81
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081519\
Data File : BM022149.D
Acq On : 15 Aug 2019 18:33
Operator : HP/JU
Sample : K4242-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 16 14:25:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration



TIC: BM022149.D

(15) Fluoranthene (C)

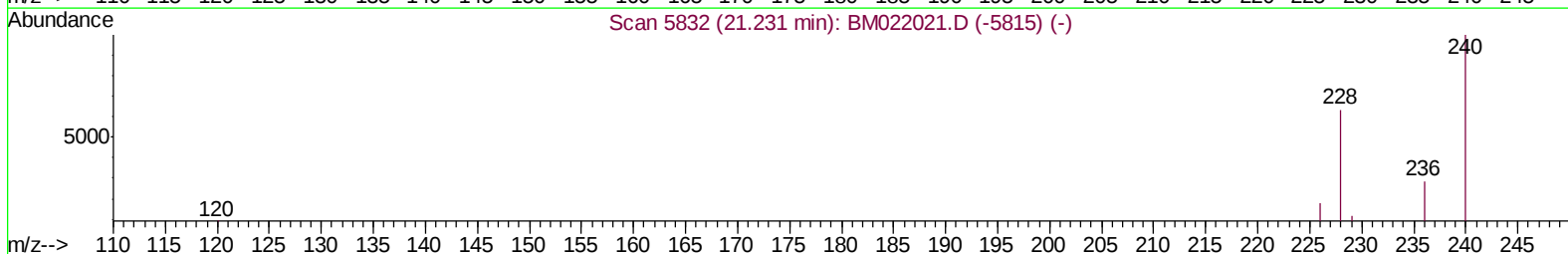
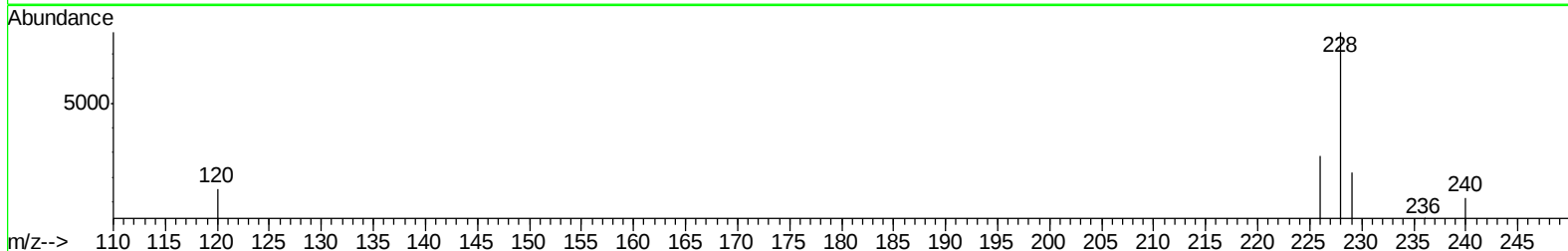
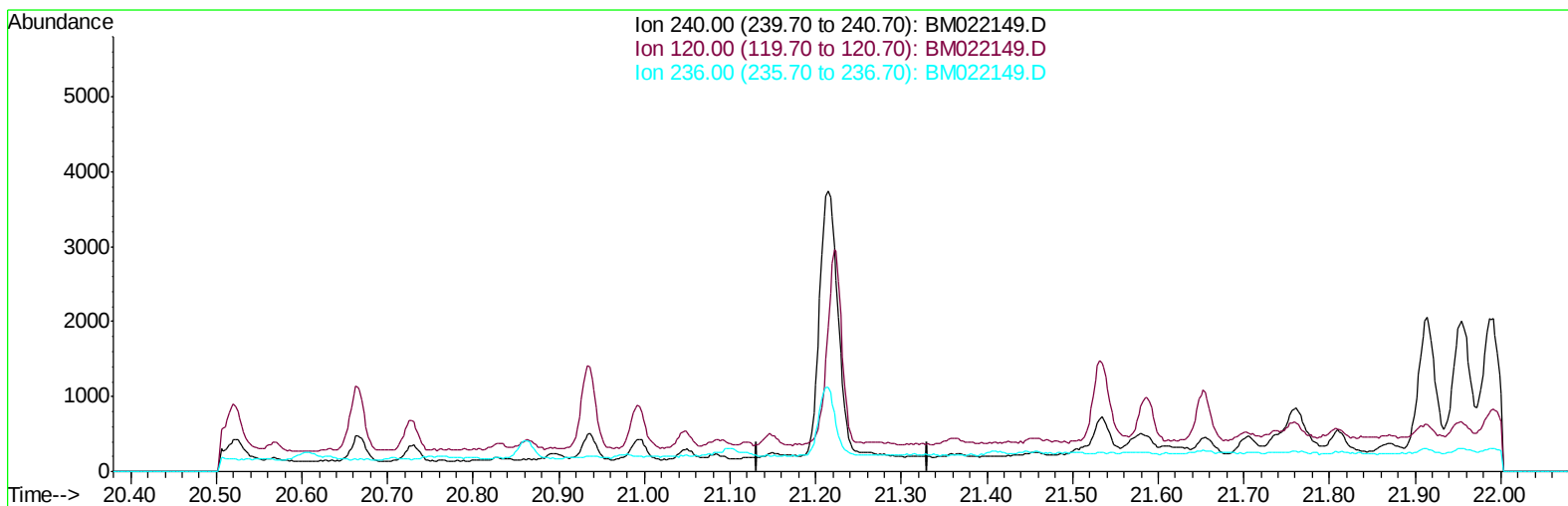
19.076min (-0.023) 4.31ng/ul m

response 73183

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	8.49
100.00	8.10	6.56
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081519\
Data File : BM022149.D
Acq On : 15 Aug 2019 18:33
Operator : HP/JU
Sample : K4242-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 16 14:25:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration



TIC: BM022149.D

(16) Chrysene-d12 (I)

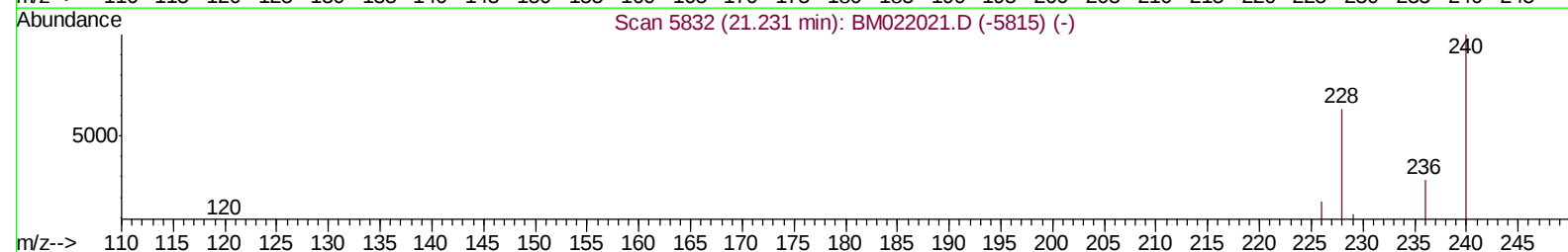
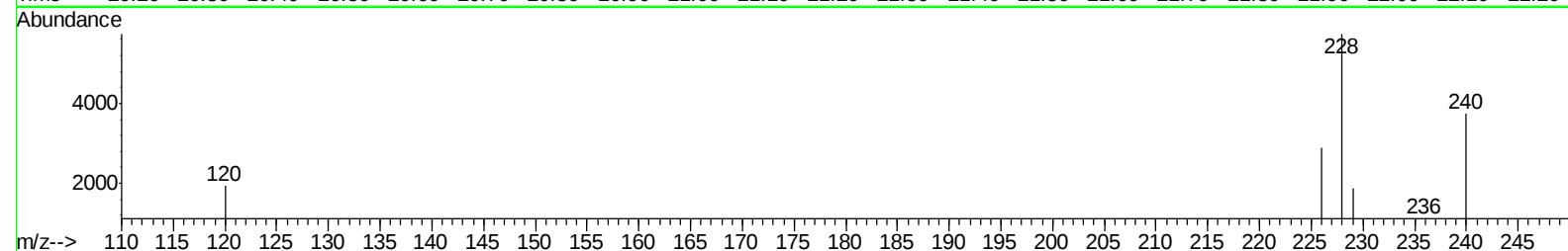
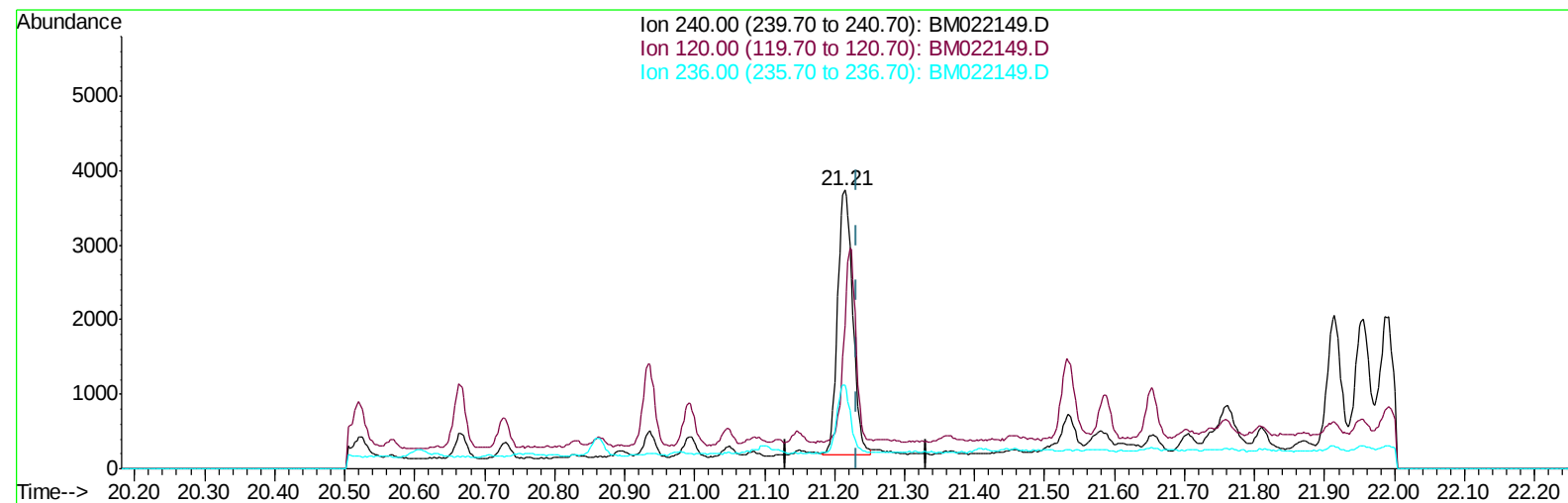
21.231min (-21.231) 0.00ng/ul

response 0

Ion	Exp%	Act%
240.00	100	0.00
120.00	16.20	0.00#
236.00	32.30	0.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081519\
Data File : BM022149.D
Acq On : 15 Aug 2019 18:33
Operator : HP/JU
Sample : K4242-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 16 14:25:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration



TIC: BM022149.D

(16) Chrysene-d12 (I)

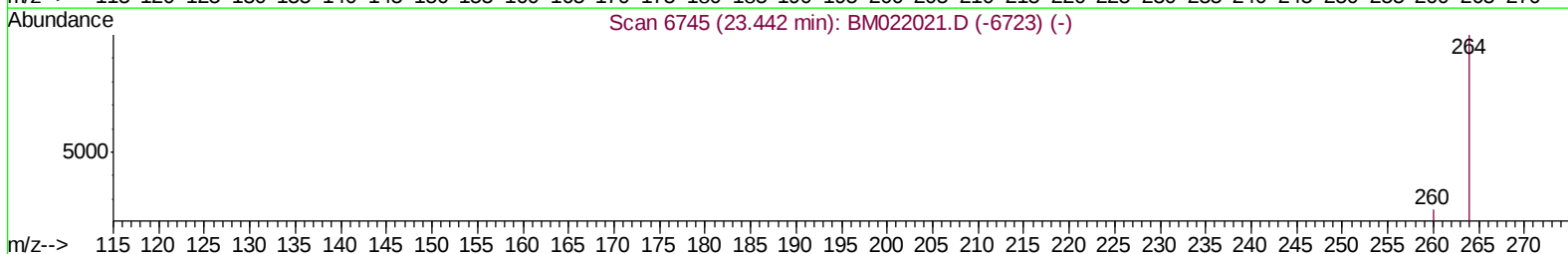
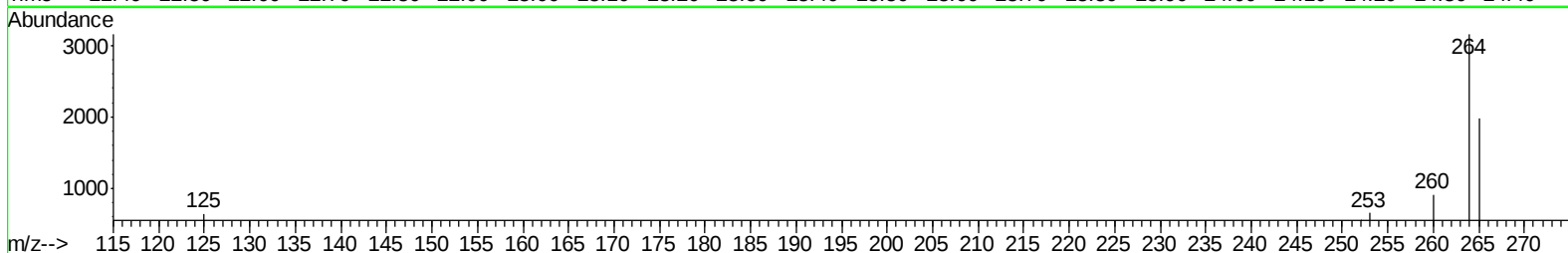
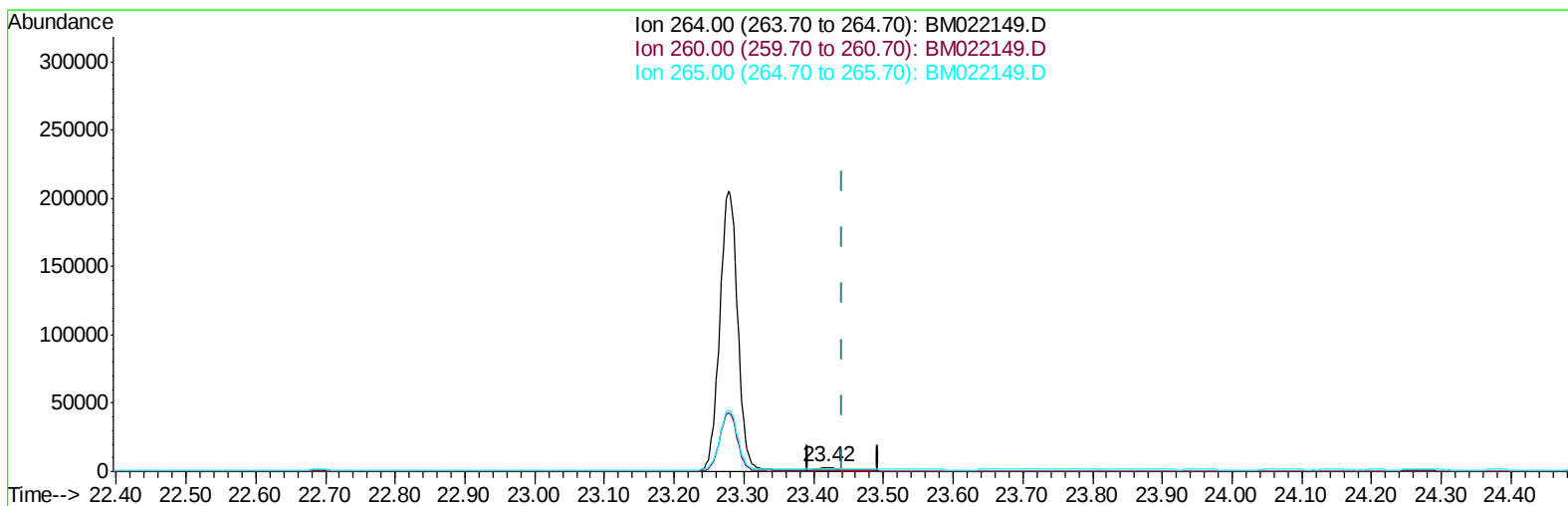
21.214min (-0.017) 0.40ng/ul m

response 5318

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	51.46#
236.00	32.30	29.82
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081519\
Data File : BM022149.D
Acq On : 15 Aug 2019 18:33
Operator : HP/JU
Sample : K4242-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 16 14:27:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration



TIC: BM022149.D

(20) Perylene-d12 (I)

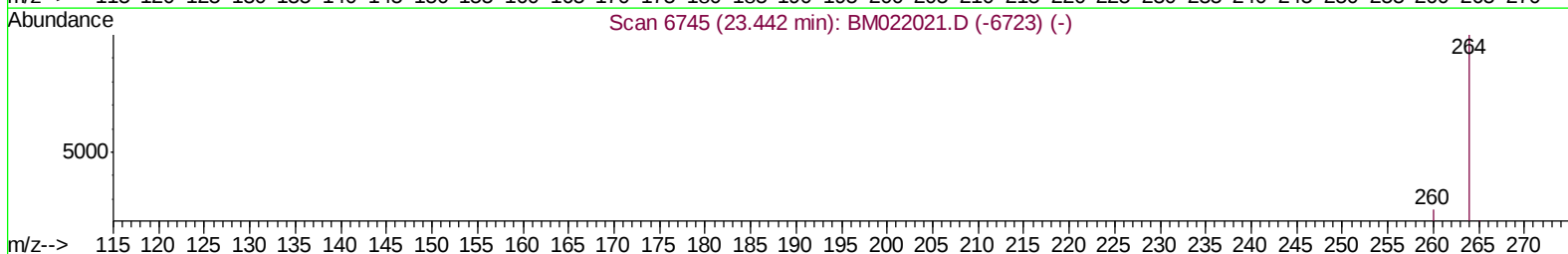
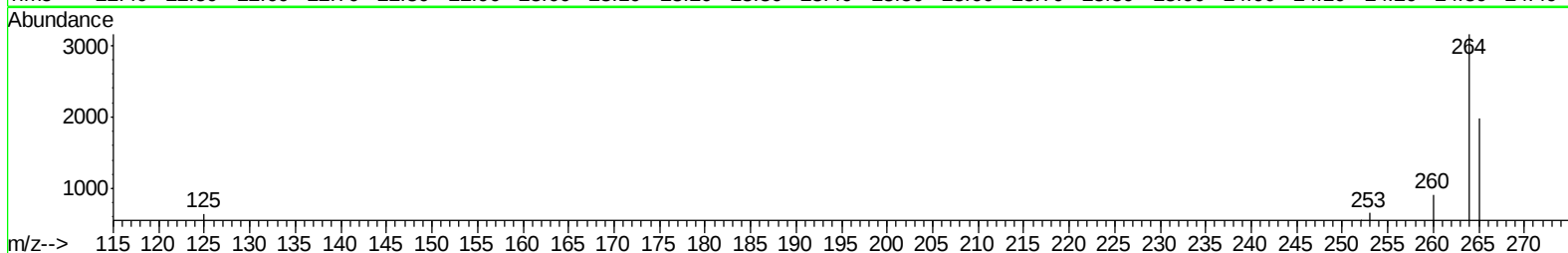
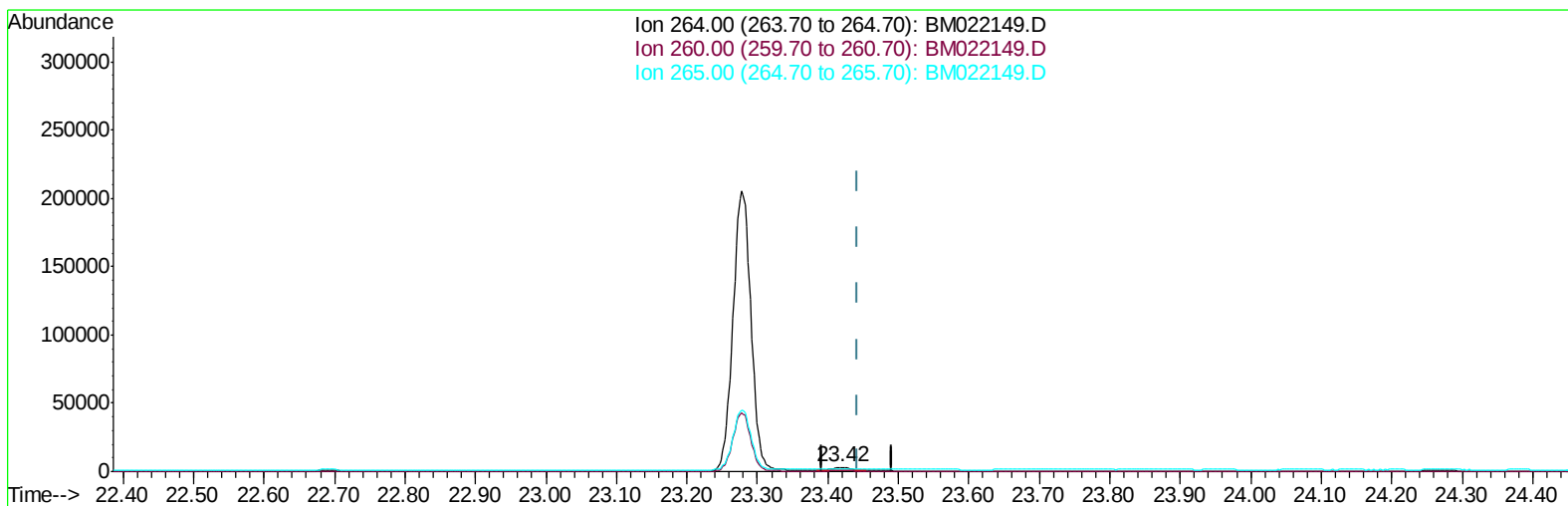
23.418min (-0.024) 0.40ng/ul

response 4557

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	29.08
265.00	117.00	62.84#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081519\
Data File : BM022149.D
Acq On : 15 Aug 2019 18:33
Operator : HP/JU
Sample : K4242-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 16 14:27:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration



TIC: BM022149.D

(20) Perylene-d12 (I)

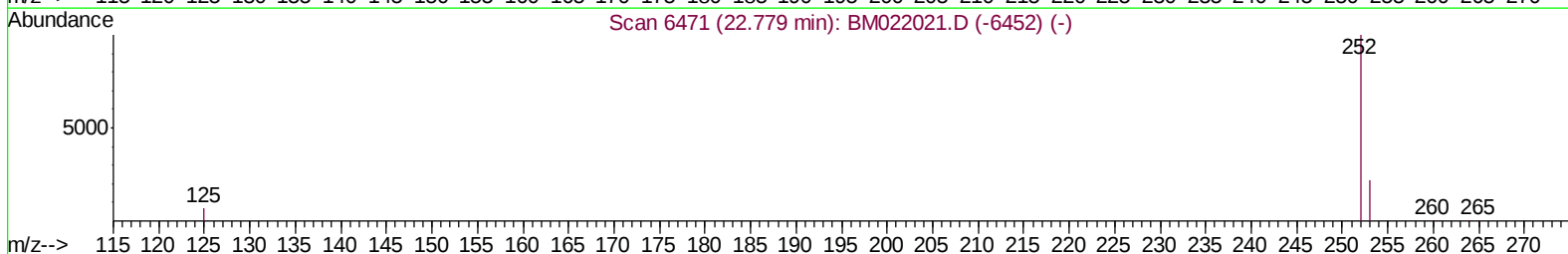
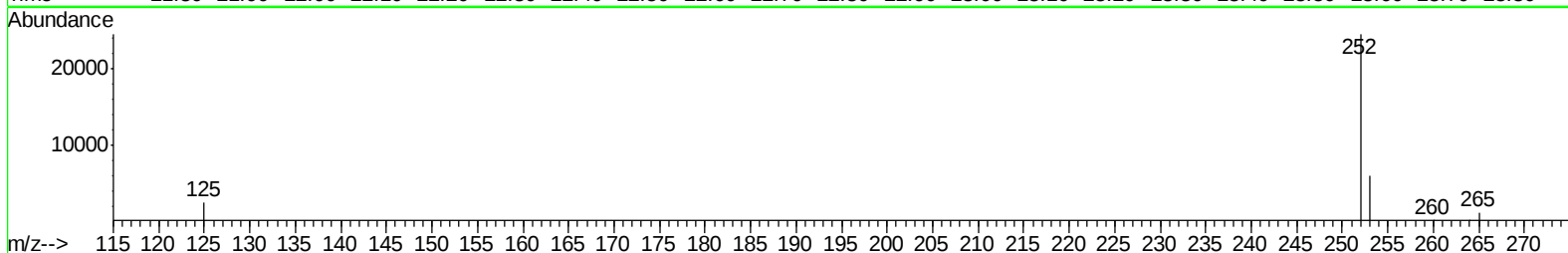
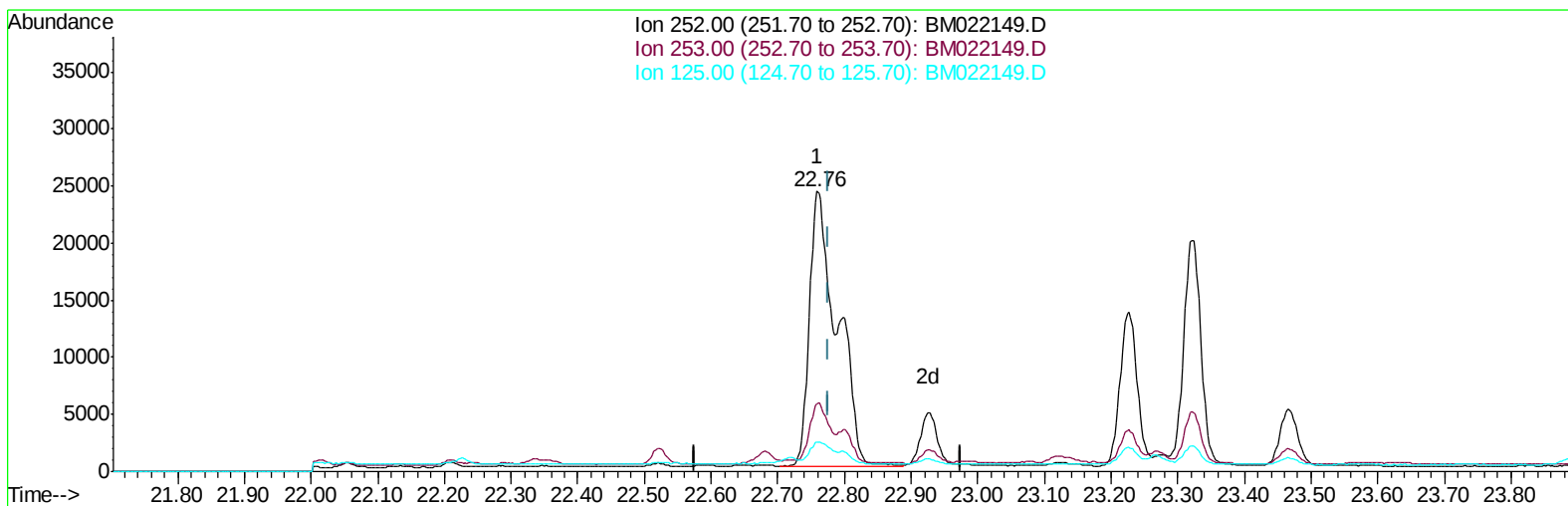
23.418min (-0.024) 0.40ng/ul m

response 4214

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	29.08
265.00	117.00	62.84#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081519\
Data File : BM022149.D
Acq On : 15 Aug 2019 18:33
Operator : HP/JU
Sample : K4242-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 16 14:28:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration



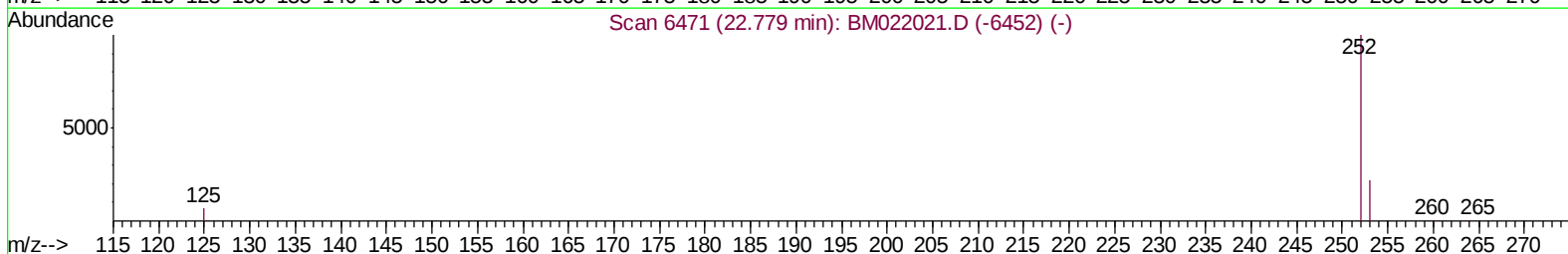
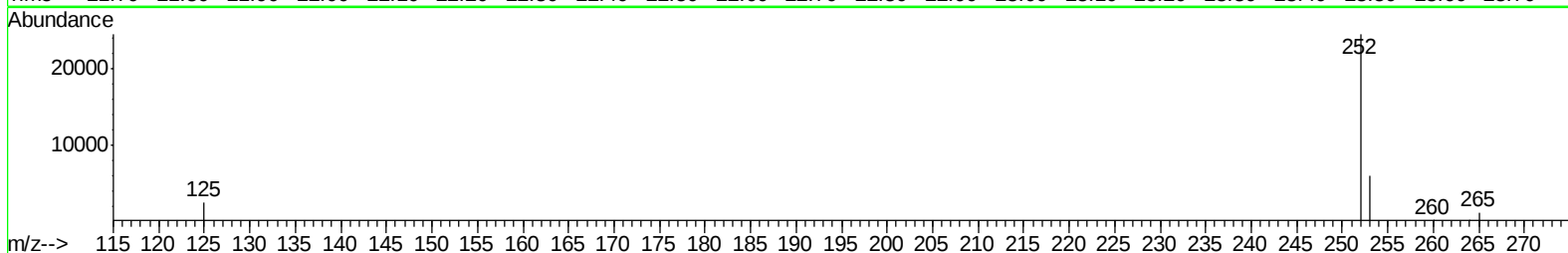
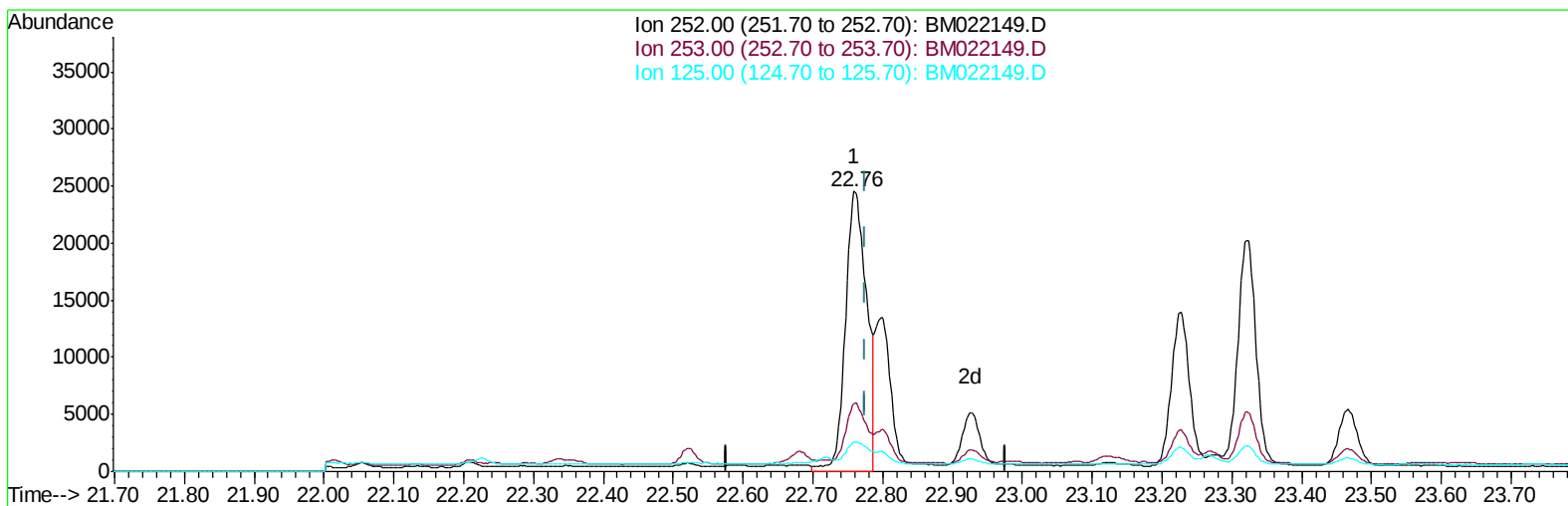
TIC: BM022149.D

(21) Benzo(b)fluoranthene
22.759min (-0.017) 4.88ng/ul
response 69352

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	24.32
125.00	15.50	10.32
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081519\
Data File : BM022149.D
Acq On : 15 Aug 2019 18:33
Operator : HP/JU
Sample : K4242-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 16 14:28:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration



TIC: BM022149.D

(21) Benzo(b)fluoranthene

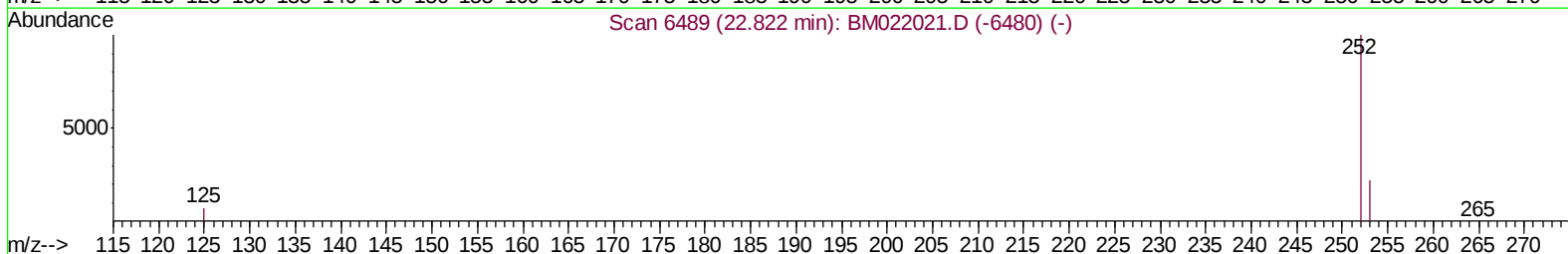
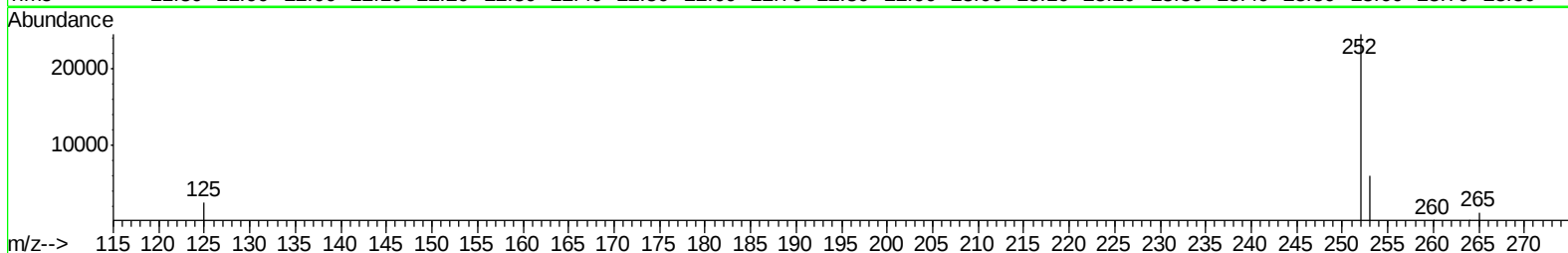
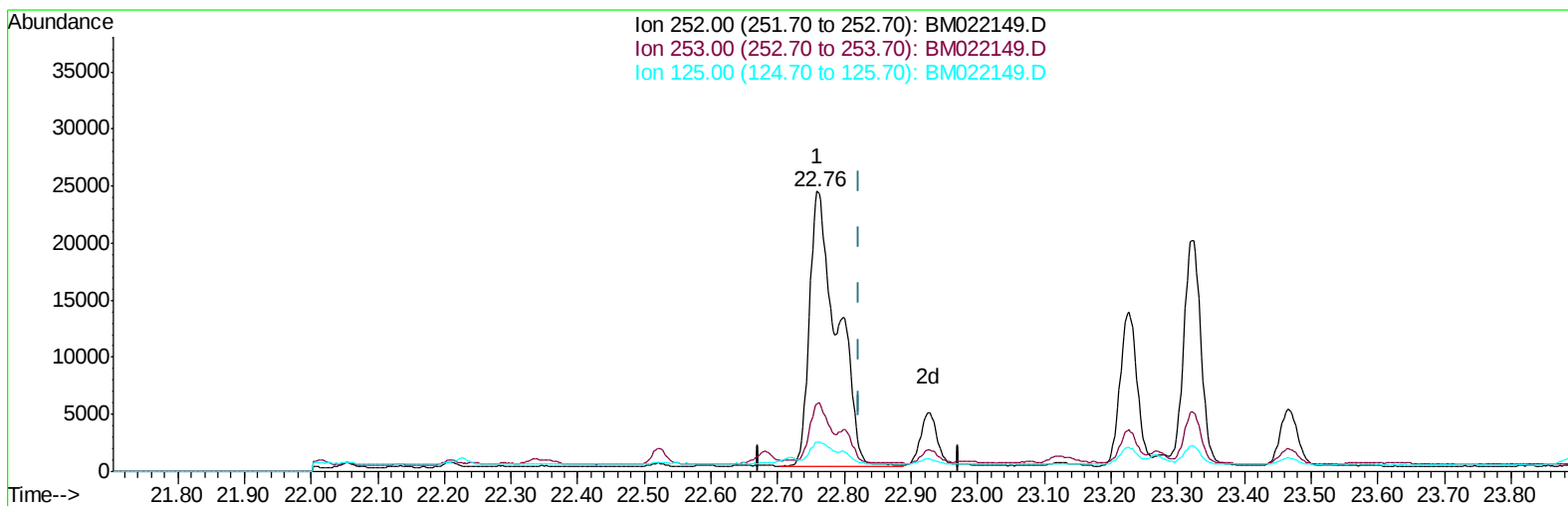
22.759min (-0.017) 3.62ng/ul m

response 51442

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	24.32
125.00	15.50	10.32
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081519\
Data File : BM022149.D
Acq On : 15 Aug 2019 18:33
Operator : HP/JU
Sample : K4242-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 16 14:28:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 13:53:23 2019
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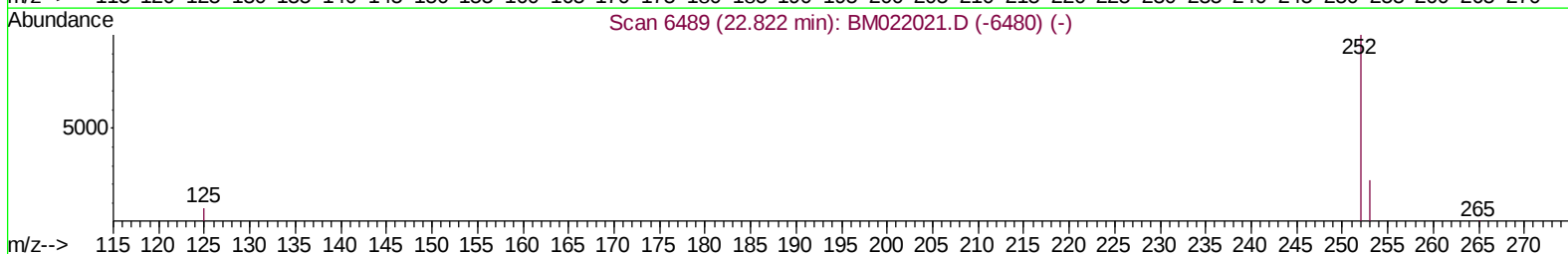
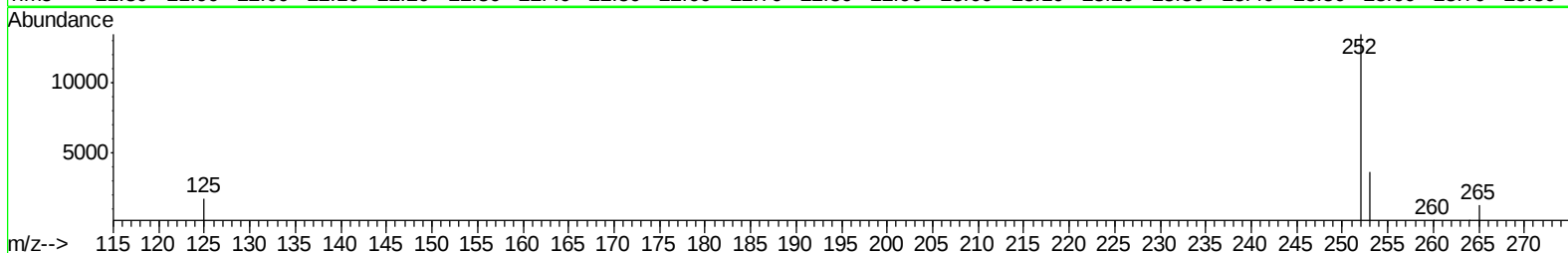
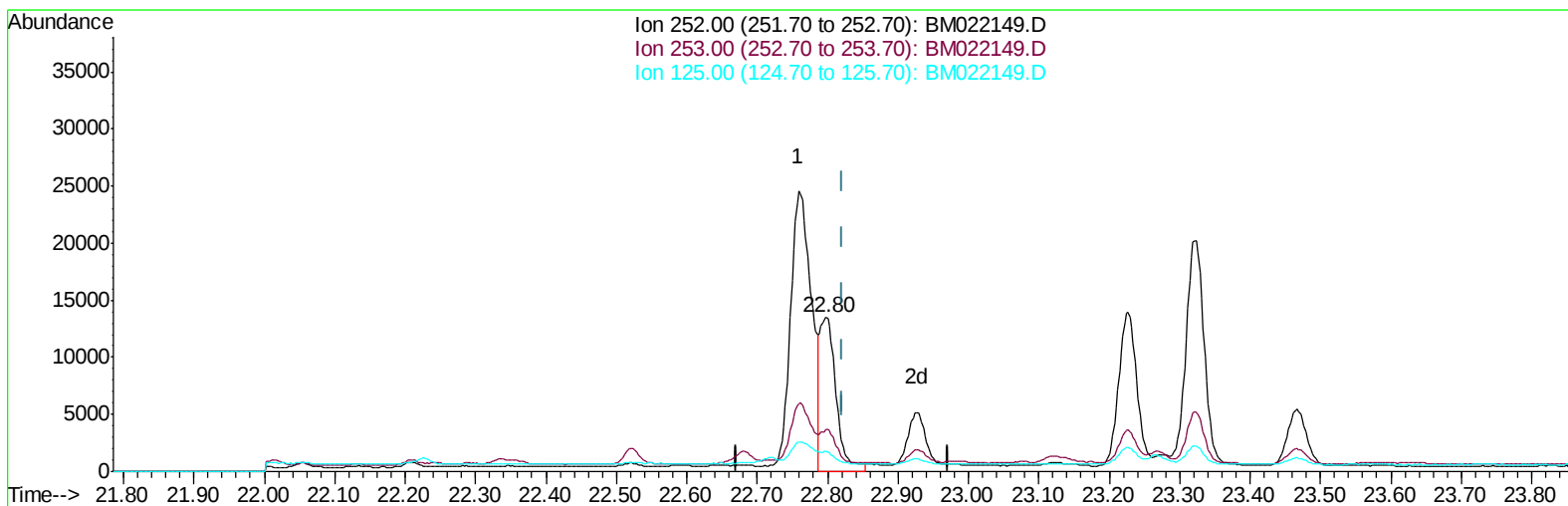
TIC: BM022149.D

(22) Benzo(k)fluoranthene
22.759min (-0.063) 4.31ng/ul
response 69352

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	24.32#
125.00	15.20	10.32#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081519\
Data File : BM022149.D
Acq On : 15 Aug 2019 18:33
Operator : HP/JU
Sample : K4242-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 16 14:28:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BM022149.D

(22) Benzo(k)fluoranthene

22.798min (-0.024) 1.38ng/ul m

response 22151

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	26.99
125.00	15.20	12.94
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081519\
 Data File : BM022149.D
 Acq On : 15 Aug 2019 18:33
 Operator : HP/JU
 Sample : K4242-06
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 16 14:28:59 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Aug 14 13:53:23 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	699	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.37	136	3028	0.40	ng/ul	-0.04
6) Acenaphthene-d10	14.25	164	1789	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.01	188	4358m	0.40	ng/ul	-0.03
16) Chrysene-d12	21.21	240	5318m	0.40	ng/ul	-0.02
20) Perylene-d12	23.42	264	4214m	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	1562	0.31	ng/ul	-0.03
14) Fluoranthene-d10	19.05	212	4820m	0.33	ng/ul	-0.02
Target Compounds				Qvalue		
3) Naphthalene	10.42	128	440	0.051	ng/ul#	68
5) 2-Methylnaphthalene	12.06	142	409	0.072	ng/ul	96
7) Acenaphthylene	13.97	152	4689	0.562	ng/ul#	82
8) Acenaphthene	14.31	153	575	0.084	ng/ul	95
9) Fluorene	15.31	166	1577	0.208	ng/ul	98
12) Phenanthrene	17.05	178	31204m	2.461	ng/ul	
13) Anthracene	17.14	178	8505m	0.786	ng/ul	
15) Fluoranthene	19.08	202	73183m	4.308	ng/ul	
17) Pyrene	19.44	202	64361	2.945	ng/ul	98
18) Benzo(a)anthracene	21.20	228	40652	2.137	ng/ul	99
19) Chrysene	21.25	228	39990	1.635	ng/ul	97
21) Benzo(b)fluoranthene	22.76	252	51442m	3.620	ng/ul	
22) Benzo(k)fluoranthene	22.80	252	22151m	1.377	ng/ul	
23) Benzo(a)pyrene	23.32	252	35590	2.463	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	25.62	276	24101	1.397	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.62	278	6412	0.460	ng/ul#	88
26) Benzo(g,h,i)perylene	26.30	276	18713	1.205	ng/ul	99

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

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