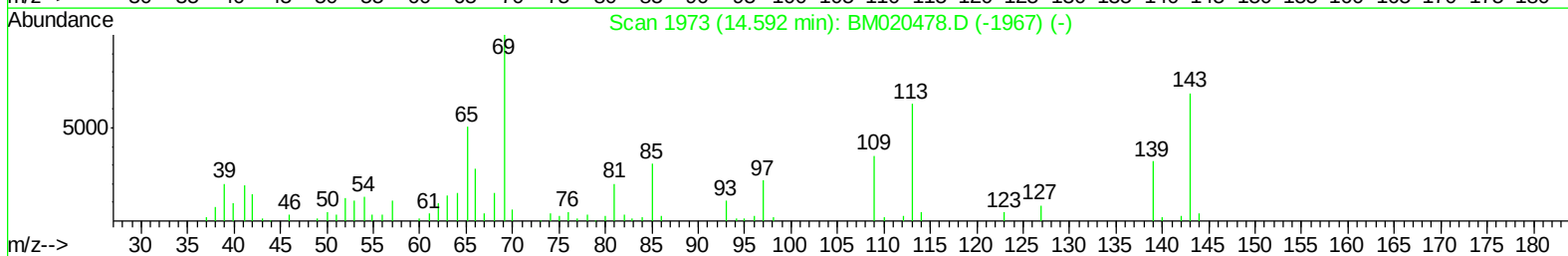
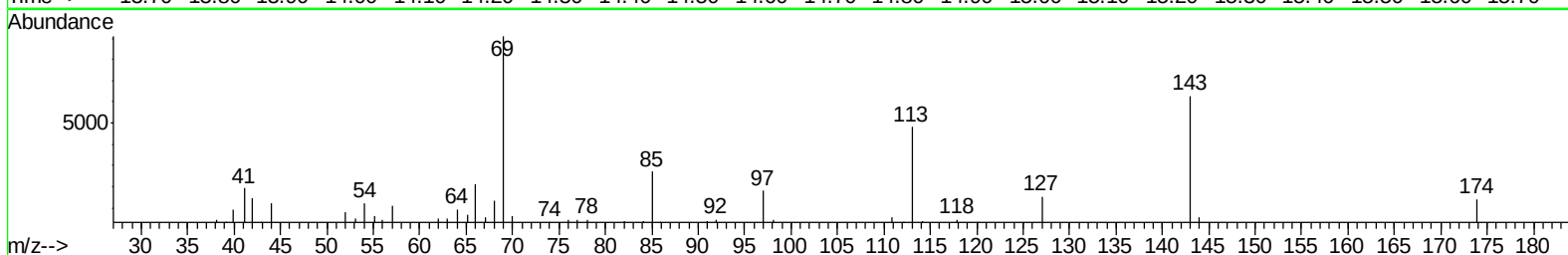
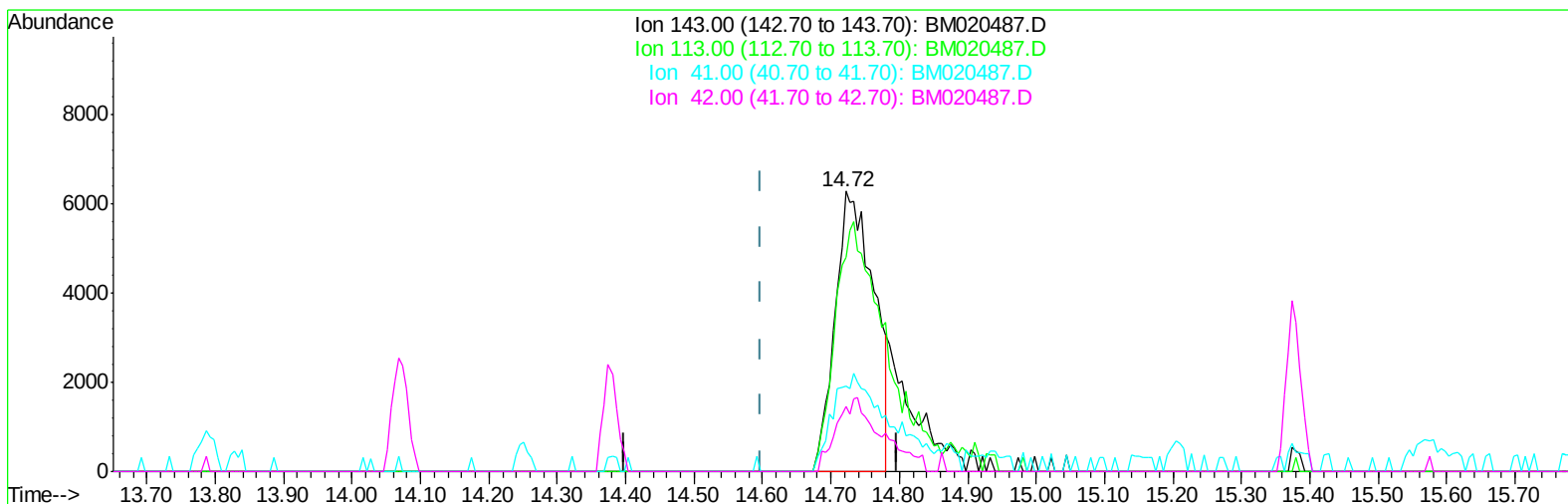


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052119\
Data File : BM020487.D
Acq On : 22 May 2019 07:43
Operator : JU/SJ
Sample : K2923-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 22 11:50:15 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:54:12 2019
Response via : Initial Calibration



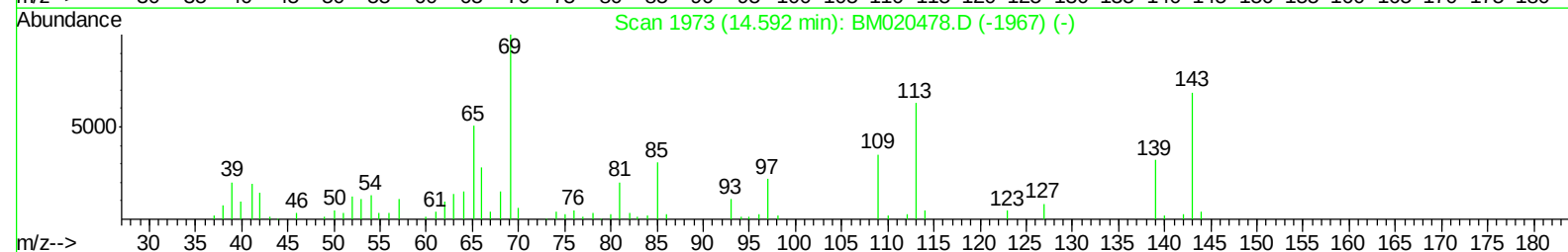
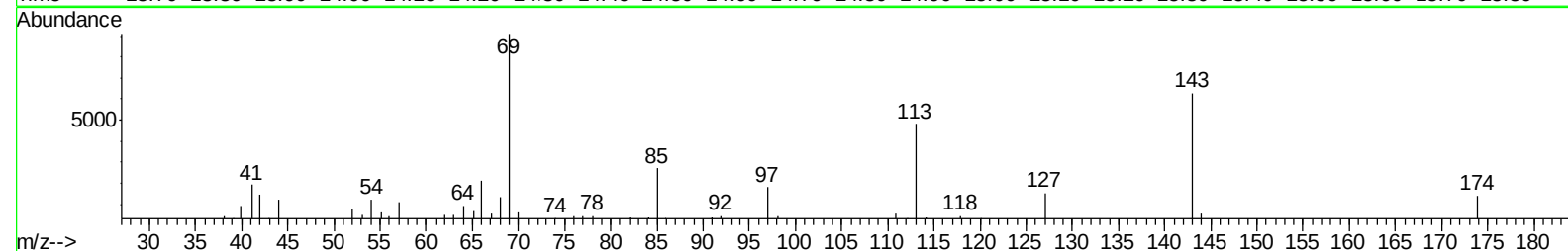
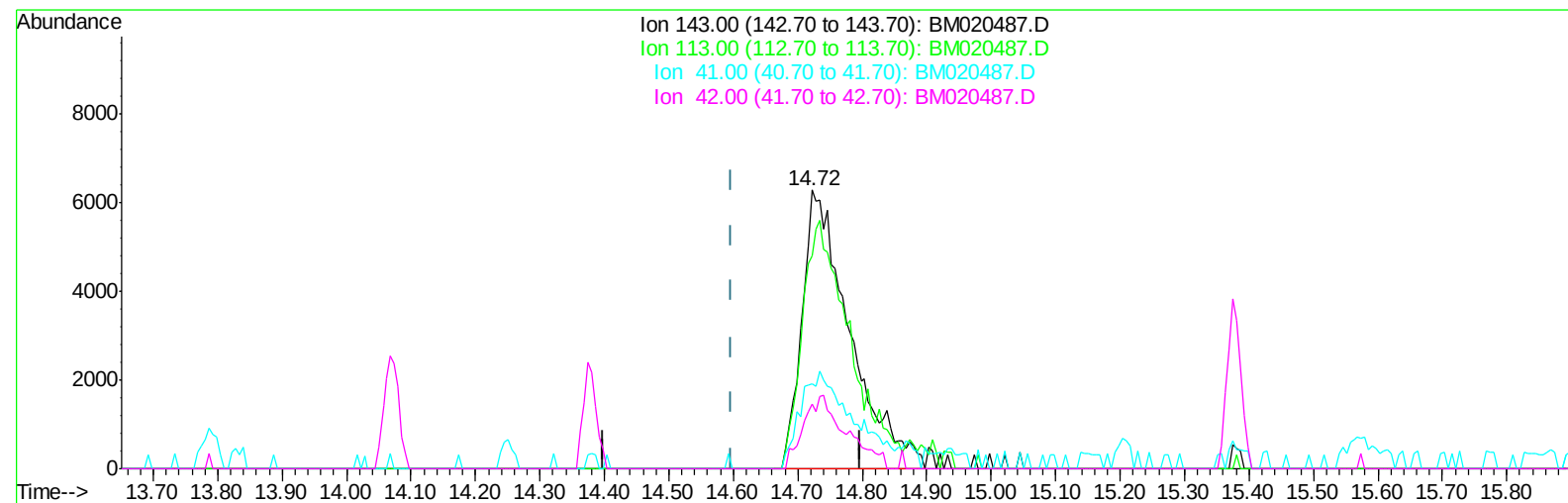
TIC: BM020487.D

(51) 4-Nitrophenol-d4 (S)
14.721min (+0.123) 16.79ng/ul
response 24731

Ion	Exp%	Act%
143.00	100	100
113.00	99.80	76.51#
41.00	31.70	30.36
42.00	21.50	23.11

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052119\
Data File : BM020487.D
Acq On : 22 May 2019 07:43
Operator : JU/SJ
Sample : K2923-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 22 11:50:15 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:54:12 2019
Response via : Initial Calibration



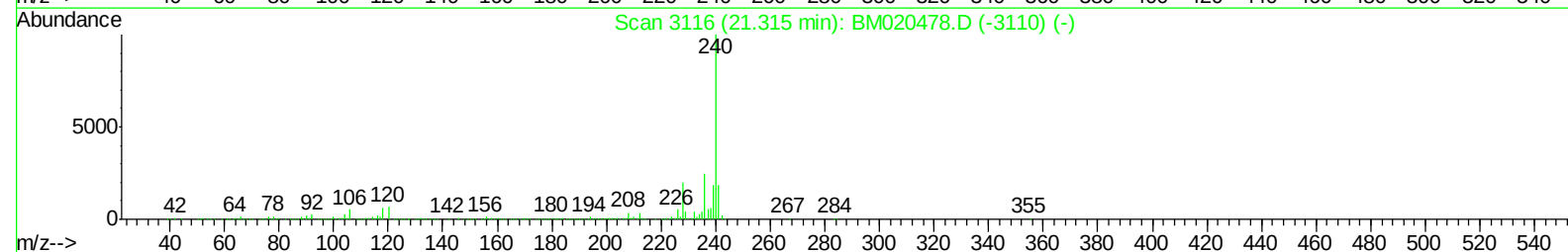
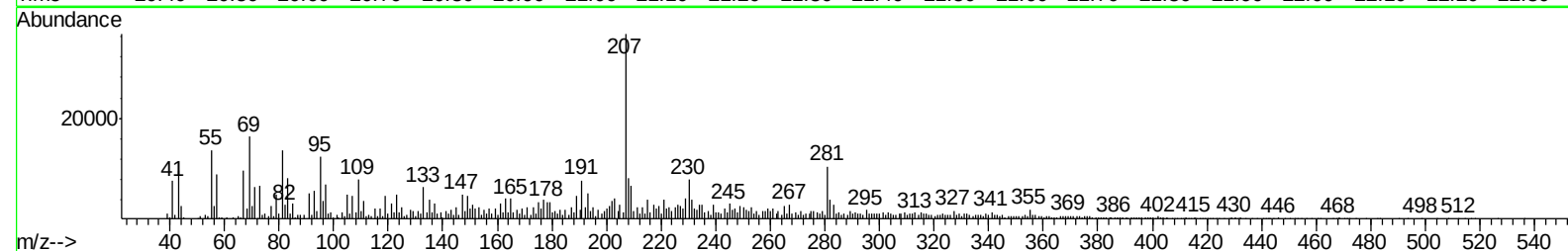
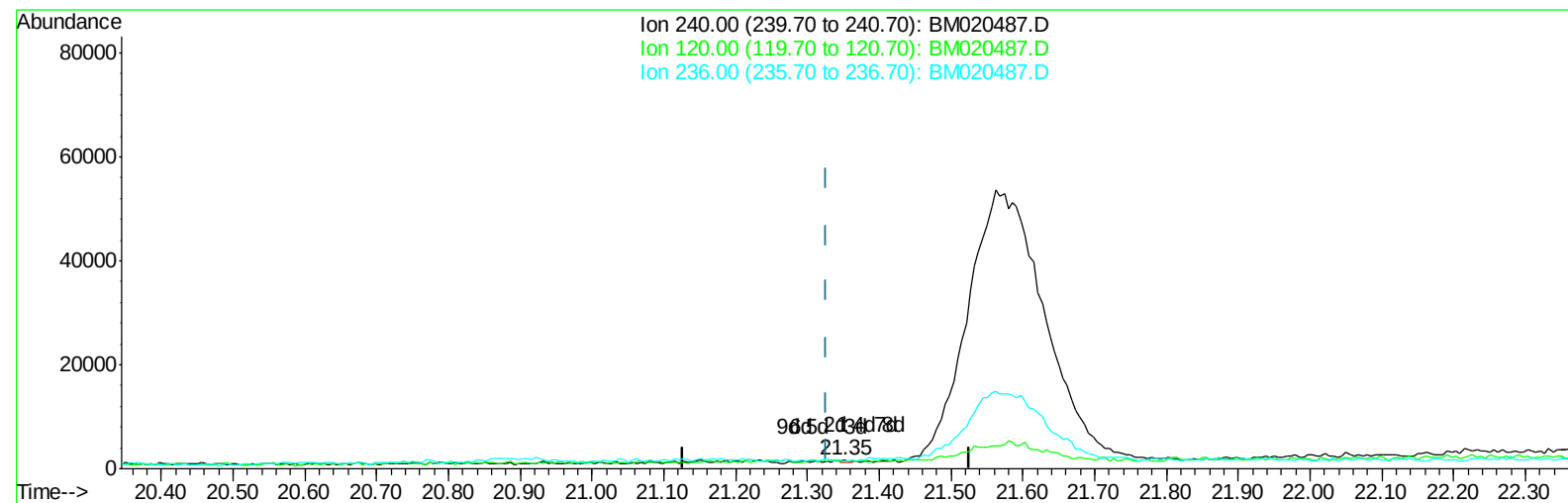
TIC: BM020487.D

(51) 4-Nitrophenol-d4 (S)
14.721min (+0.123) 22.00ng/ul m
response 32400

Ion	Exp%	Act%
143.00	100	100
113.00	99.80	76.51#
41.00	31.70	30.36
42.00	21.50	23.11

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052119\
Data File : BM020487.D
Acq On : 22 May 2019 07:43
Operator : JU/SJ
Sample : K2923-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 22 11:50:15 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:54:12 2019
Response via : Initial Calibration



TIC: BM020487.D

(77) Chrysene-d12 (I)

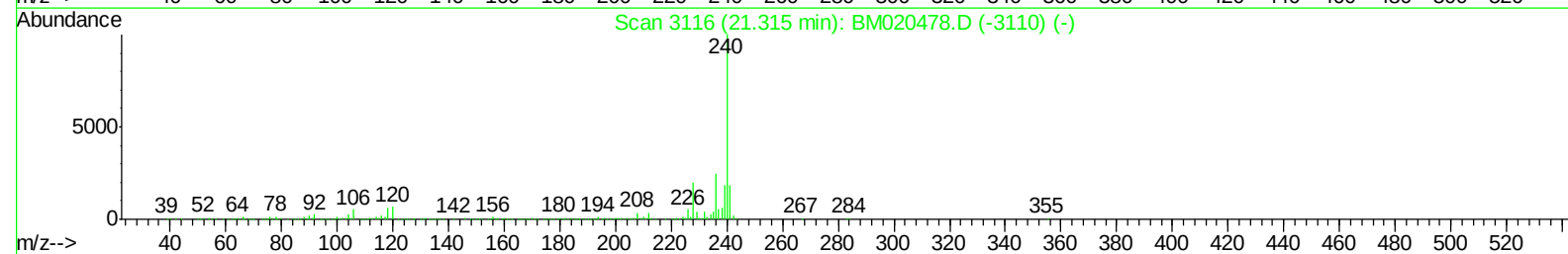
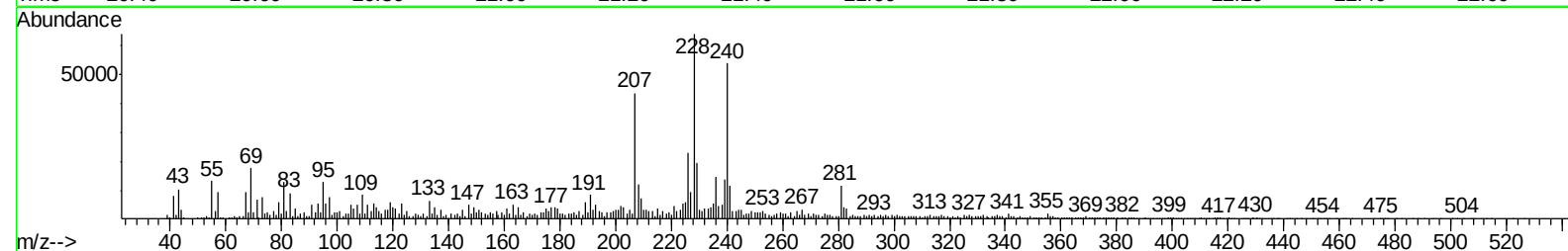
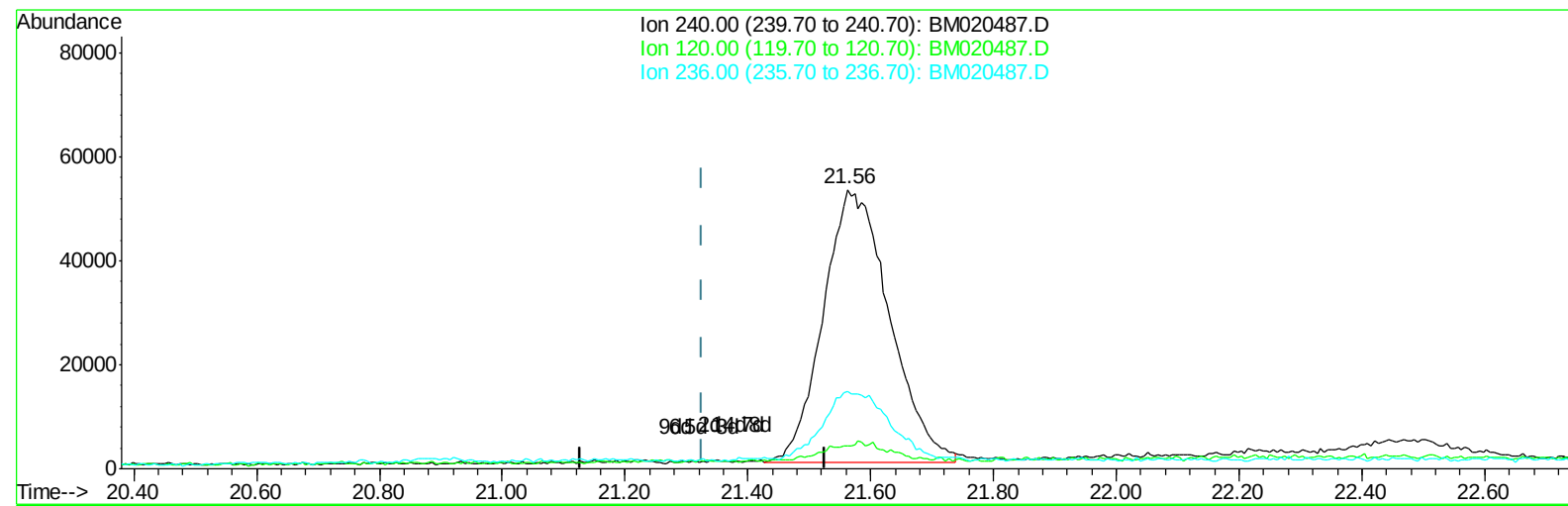
21.350min (+0.023) 20.00ng/ul

response 324

Ion	Exp%	Act%
240.00	100	100
120.00	6.80	81.77#
236.00	25.40	95.20#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052119\
Data File : BM020487.D
Acq On : 22 May 2019 07:43
Operator : JU/SJ
Sample : K2923-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 22 11:50:15 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:54:12 2019
Response via : Initial Calibration



TIC: BM020487.D

(77) Chrysene-d12 (I)

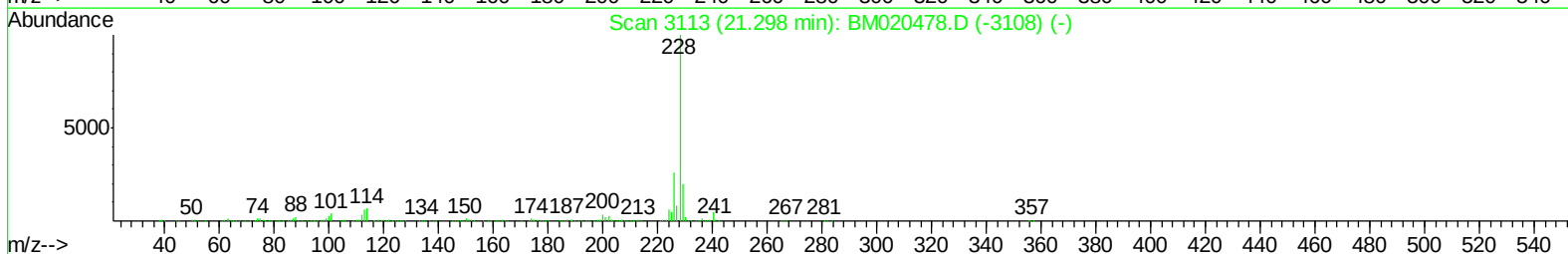
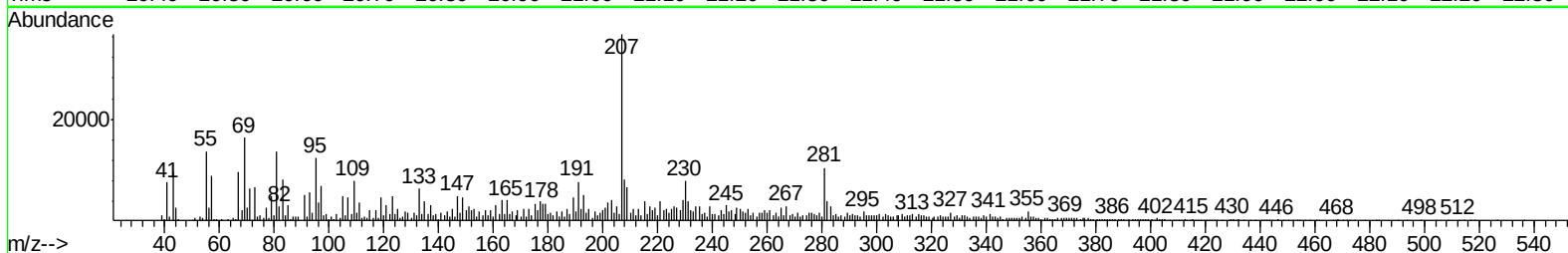
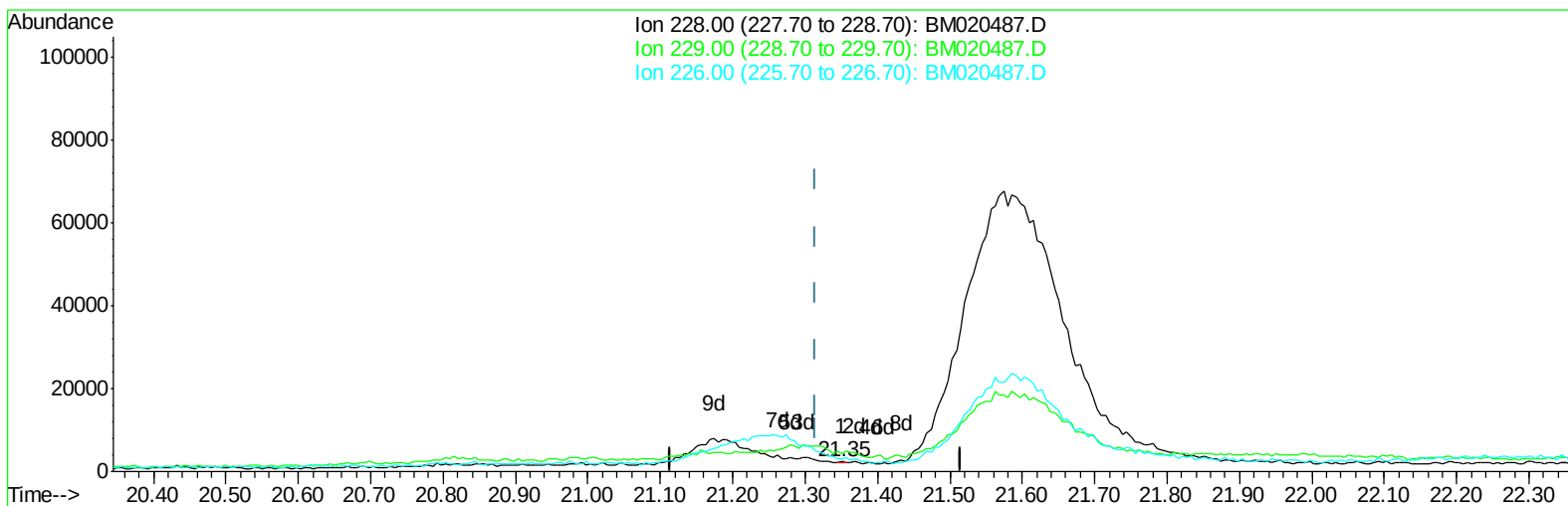
21.562min (+0.235) 20.00ng/ul m

response 393152

Ion	Exp%	Act%
240.00	100	100
120.00	6.80	8.19#
236.00	25.40	27.69
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052119\
Data File : BM020487.D
Acq On : 22 May 2019 07:43
Operator : JU/SJ
Sample : K2923-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 22 11:53:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:54:12 2019
Response via : Initial Calibration



TIC: BM020487.D

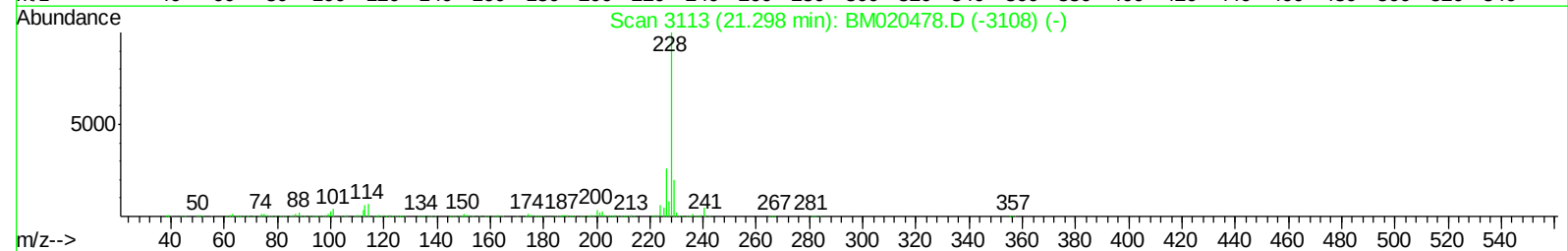
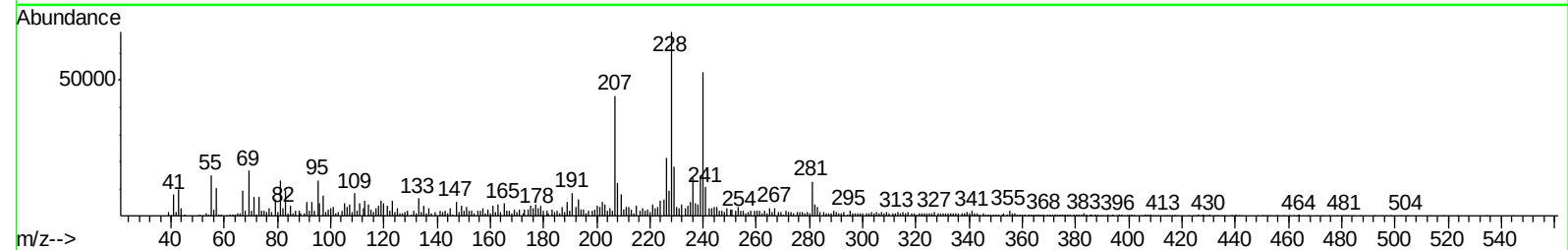
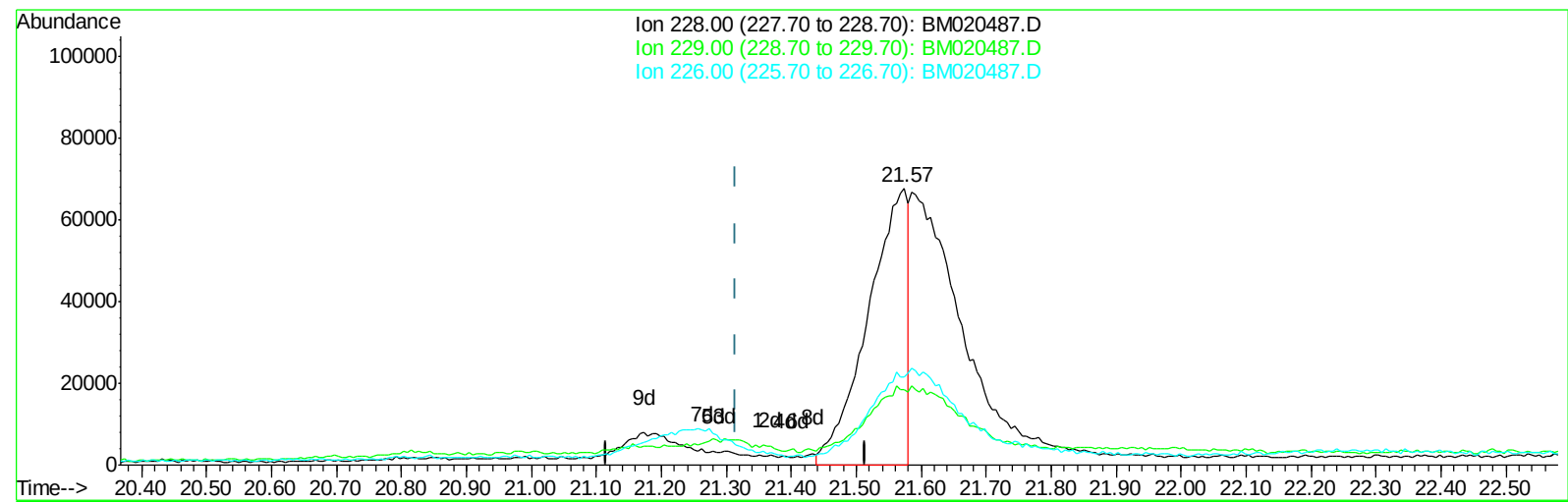
(82) Benzo(a)anthracene
21.350min (+0.035) 0.00ng/ul

response 78

Ion	Exp%	Act%
228.00	100	100
229.00	19.80	175.73#
226.00	25.70	128.14#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052119\
Data File : BM020487.D
Acq On : 22 May 2019 07:43
Operator : JU/SJ
Sample : K2923-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 22 11:53:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:54:12 2019
Response via : Initial Calibration



TIC: BM020487.D

(82) Benzo(a)anthracene

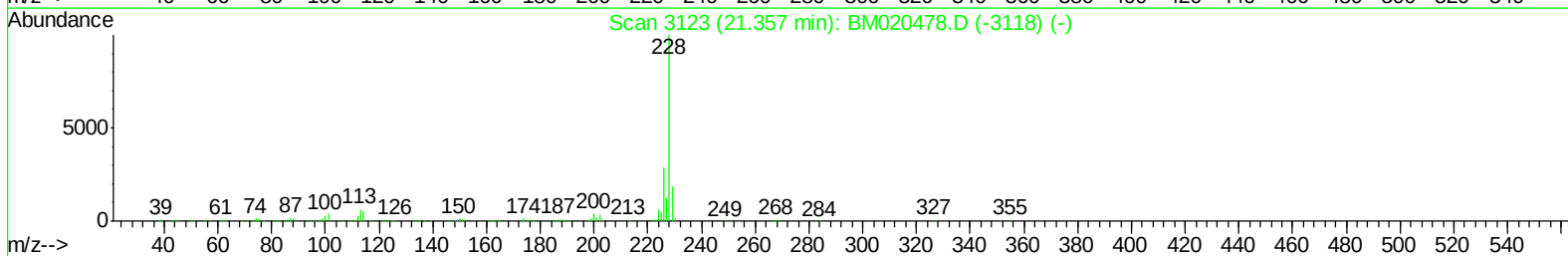
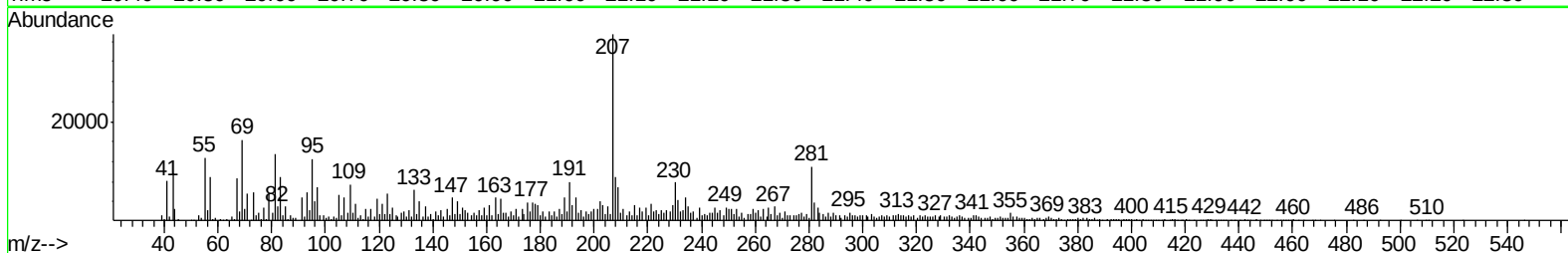
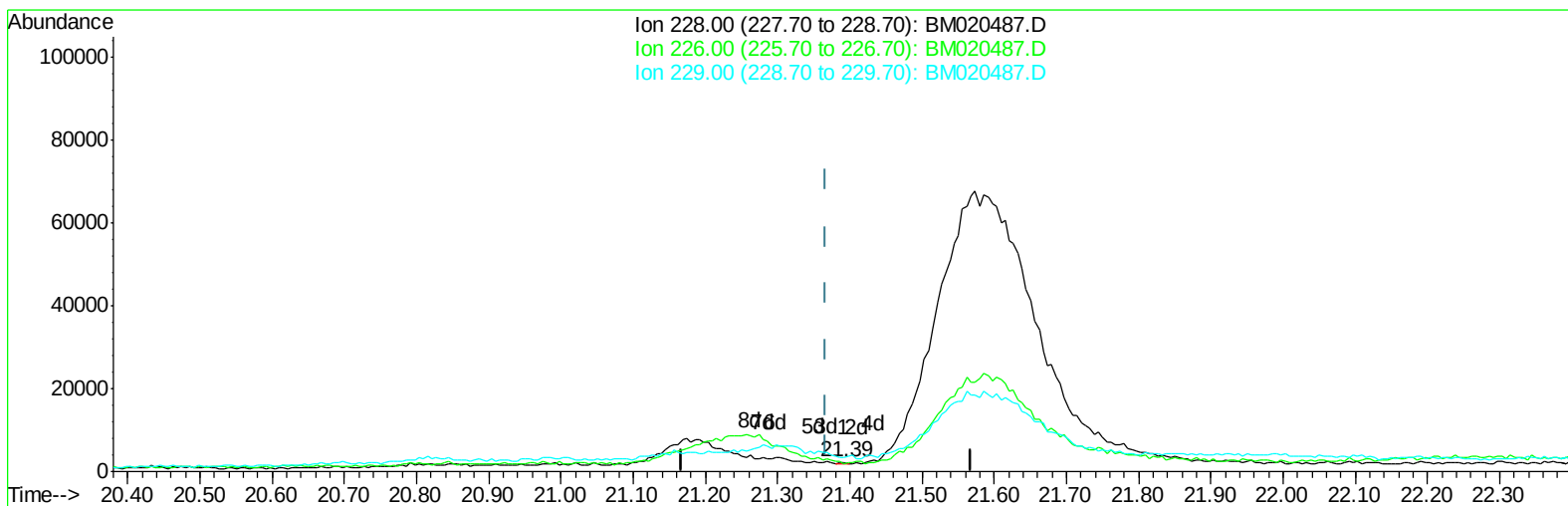
21.574min (+0.259) 12.28ng/ul m

response 290675

Ion	Exp%	Act%
228.00	100	100
229.00	19.80	27.24#
226.00	25.70	31.97#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052119\
Data File : BM020487.D
Acq On : 22 May 2019 07:43
Operator : JU/SJ
Sample : K2923-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 22 11:53:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:54:12 2019
Response via : Initial Calibration



TIC: BM020487.D

(84) Chrysene

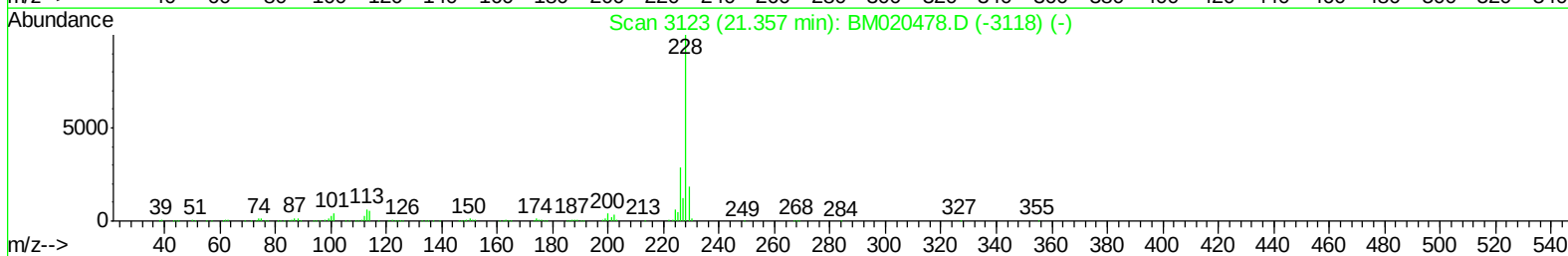
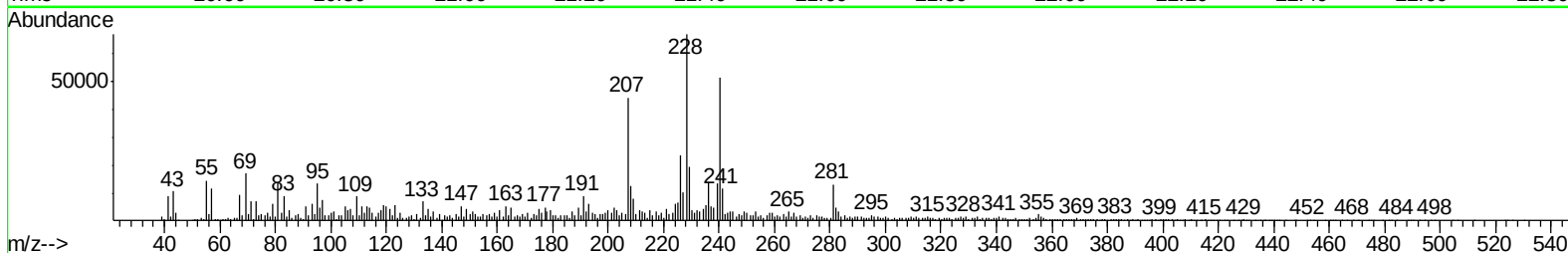
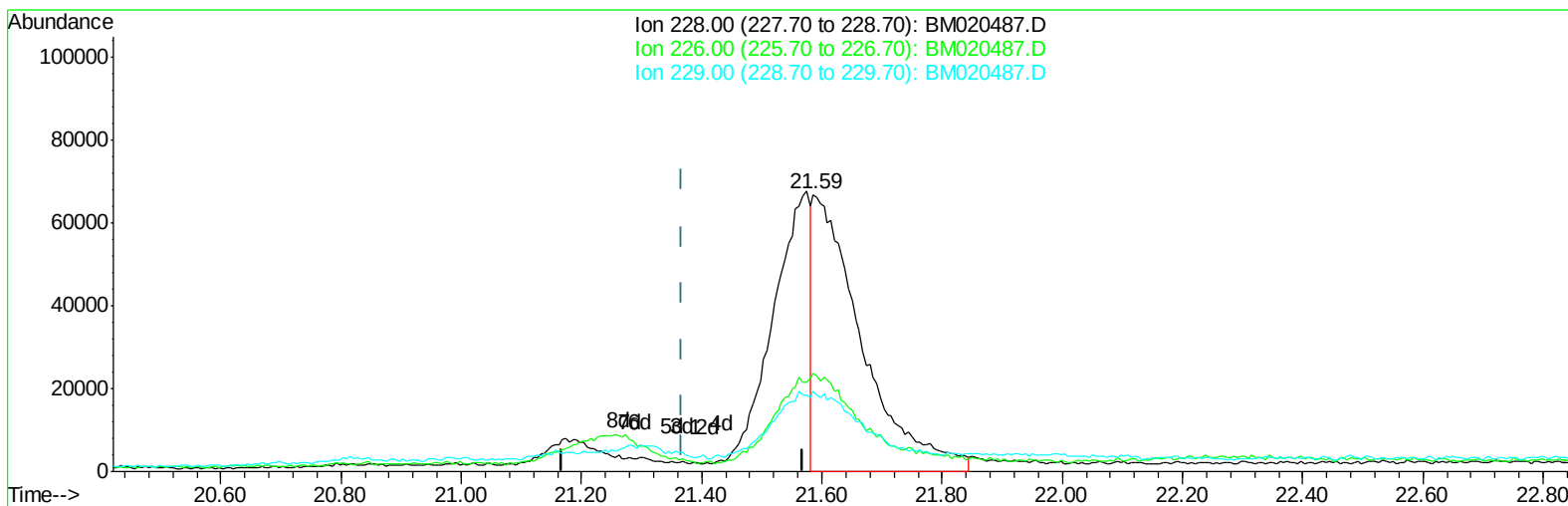
21.392min (+0.023) 0.01ng/ul

response 188

Ion	Exp%	Act%
228.00	100	100
226.00	27.80	85.75#
229.00	19.30	153.87#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052119\
Data File : BM020487.D
Acq On : 22 May 2019 07:43
Operator : JU/SJ
Sample : K2923-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 22 11:53:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:54:12 2019
Response via : Initial Calibration



TIC: BM020487.D

(84) Chrysene

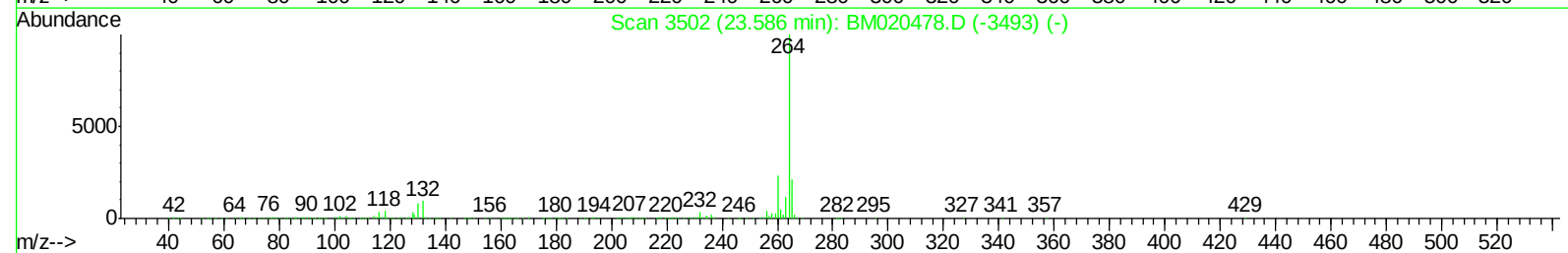
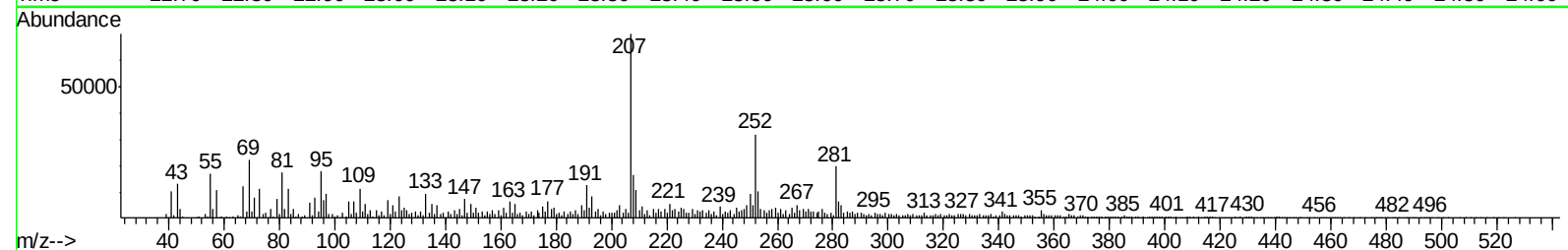
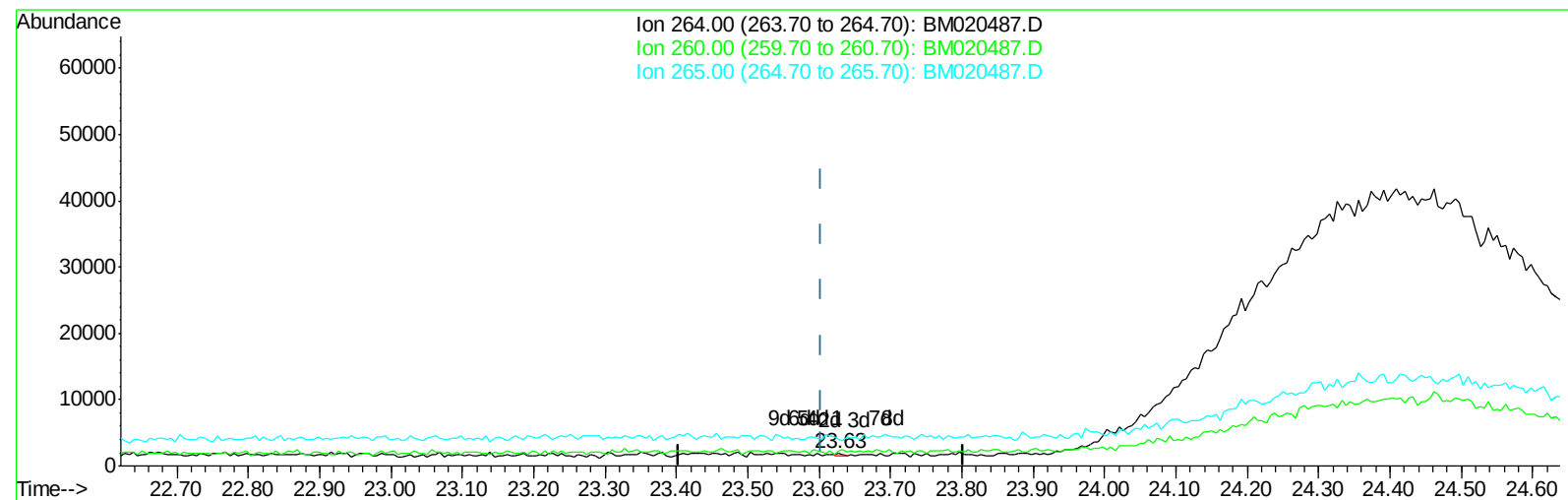
21.586min (+0.217) 16.79ng/ul m

response 379794

Ion	Exp%	Act%
228.00	100	100
226.00	27.80	35.48#
229.00	19.30	29.18#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052119\
Data File : BM020487.D
Acq On : 22 May 2019 07:43
Operator : JU/SJ
Sample : K2923-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 22 11:53:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:54:12 2019
Response via : Initial Calibration



TIC: BM020487.D

(85) Perylene-d12 (I)

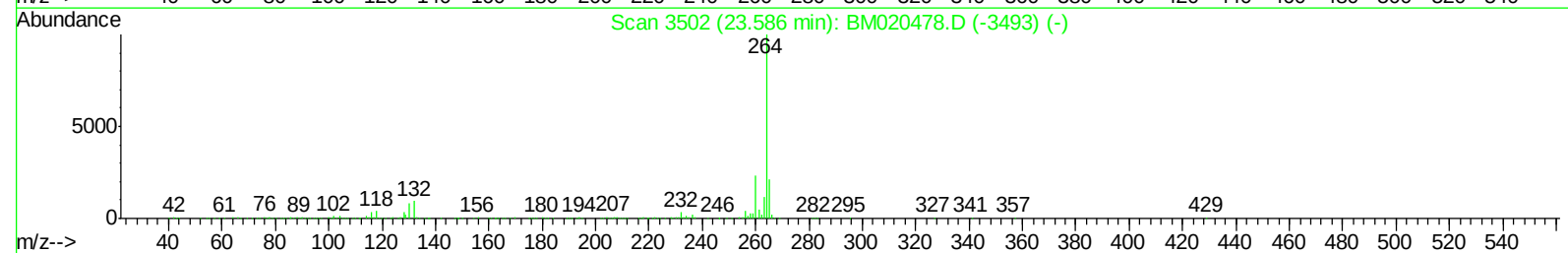
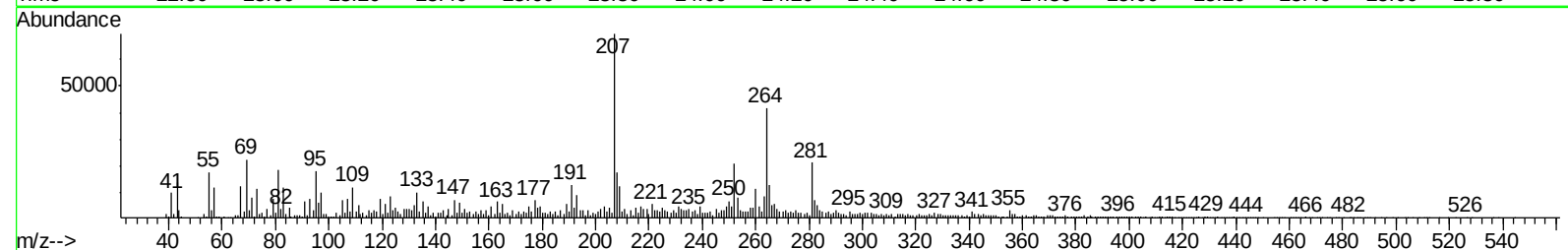
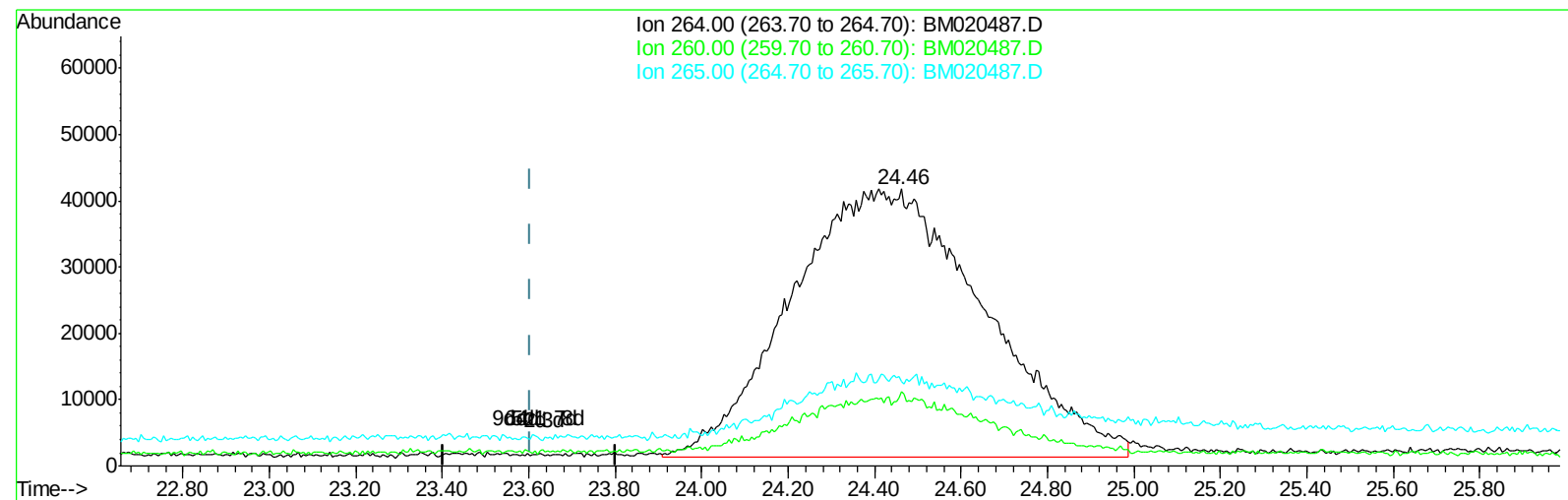
23.627min (+0.023) 20.00ng/ul

response 132

Ion	Exp%	Act%
264.00	100	100
260.00	23.60	125.35#
265.00	21.90	214.49#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052119\
 Data File : BM020487.D
 Acq On : 22 May 2019 07:43
 Operator : JU/SJ
 Sample : K2923-11
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 22 11:53:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 22 04:54:12 2019
 Response via : Initial Calibration



TIC: BM020487.D

(85) Perylene-d12 (I)

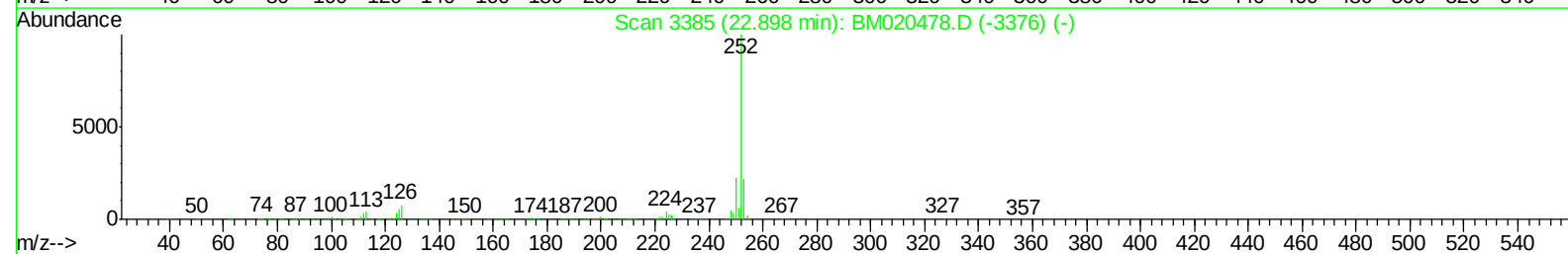
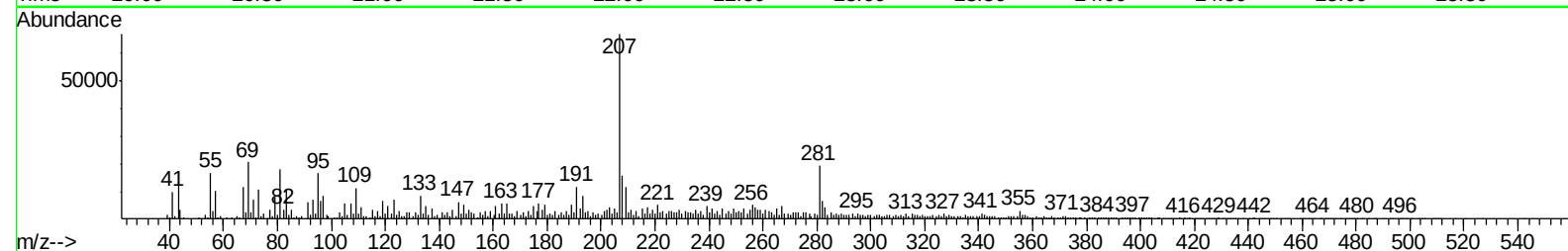
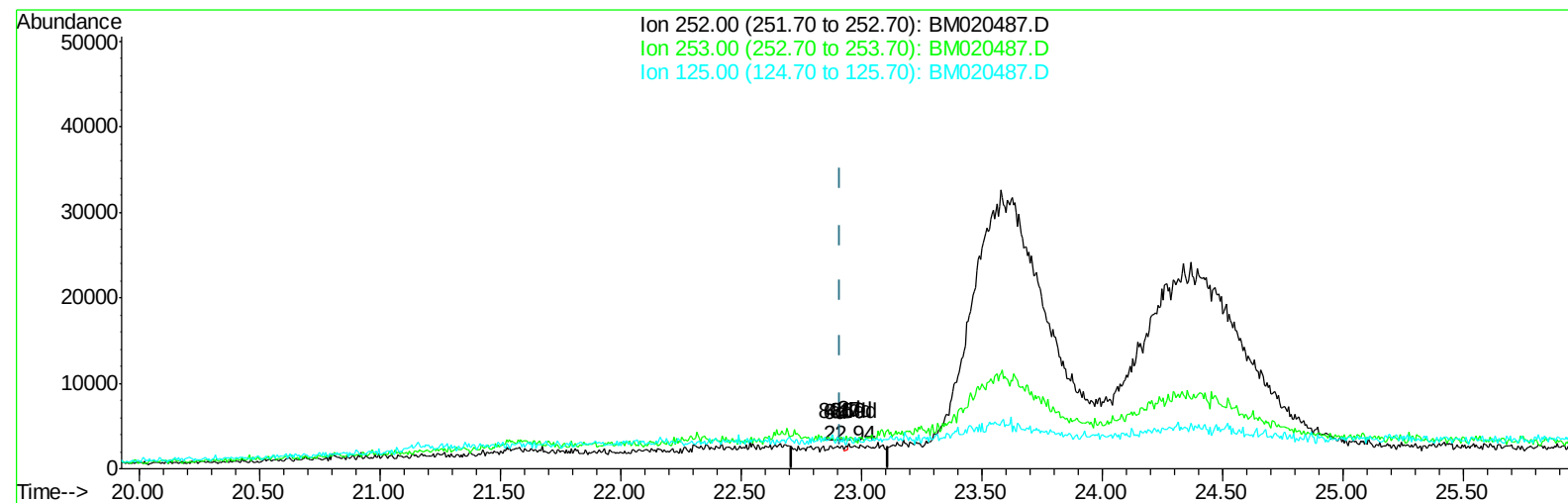
24.462min (+0.859) 20.00ng/ul m

response 1258383

Ion	Exp%	Act%
264.00	100	100
260.00	23.60	26.86
265.00	21.90	30.43#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052119\
Data File : BM020487.D
Acq On : 22 May 2019 07:43
Operator : JU/SJ
Sample : K2923-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 22 11:55:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:54:12 2019
Response via : Initial Calibration



TIC: BM020487.D

(87) Benzo(b)fluoranthene

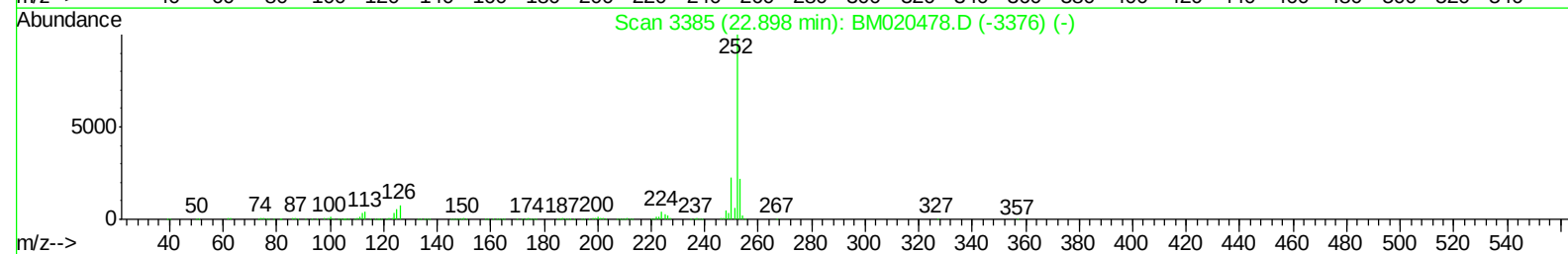
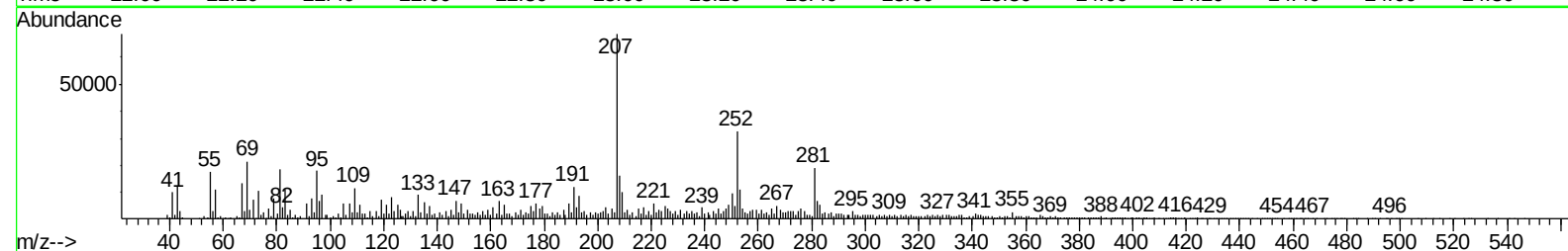
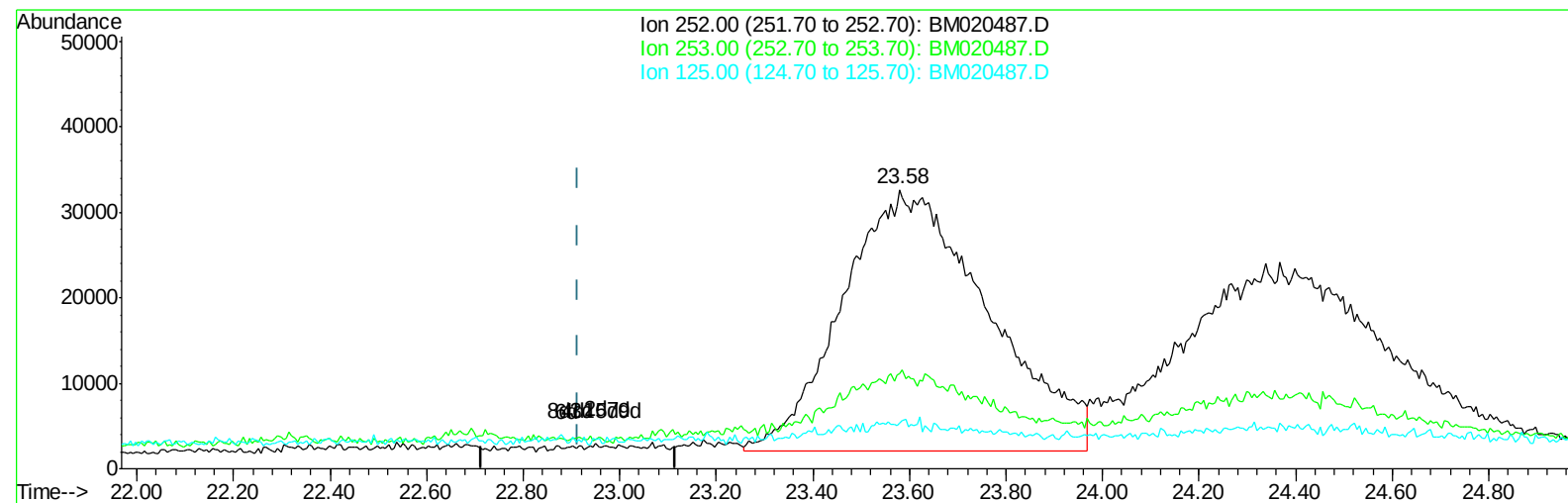
22.939min (+0.023) 0.01ng/ul

response 404

Ion	Exp%	Act%
252.00	100	100
253.00	21.30	146.00#
125.00	6.20	108.63#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052119\
Data File : BM020487.D
Acq On : 22 May 2019 07:43
Operator : JU/SJ
Sample : K2923-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 22 11:55:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:54:12 2019
Response via : Initial Calibration



TIC: BM020487.D

(87) Benzo(b)fluoranthene

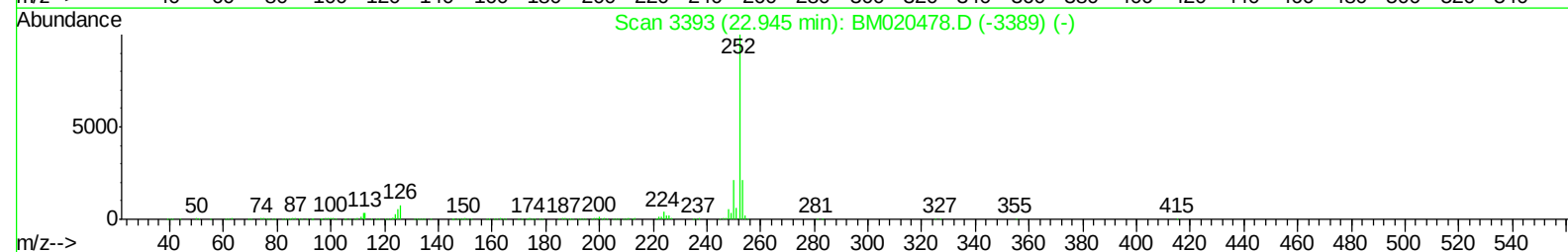
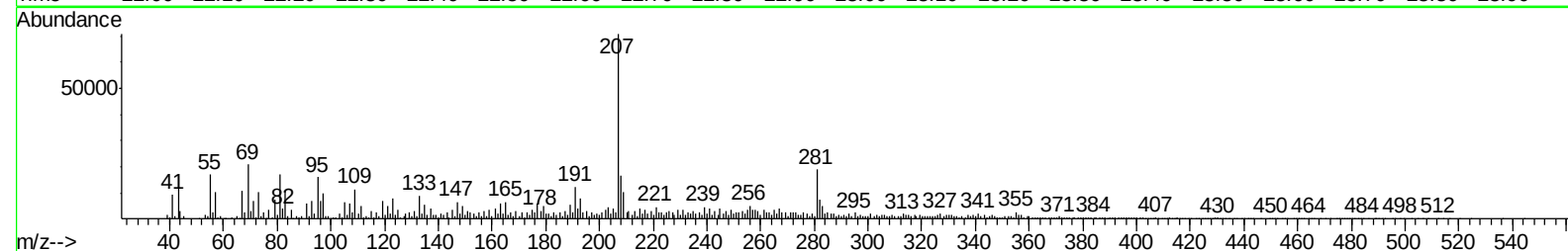
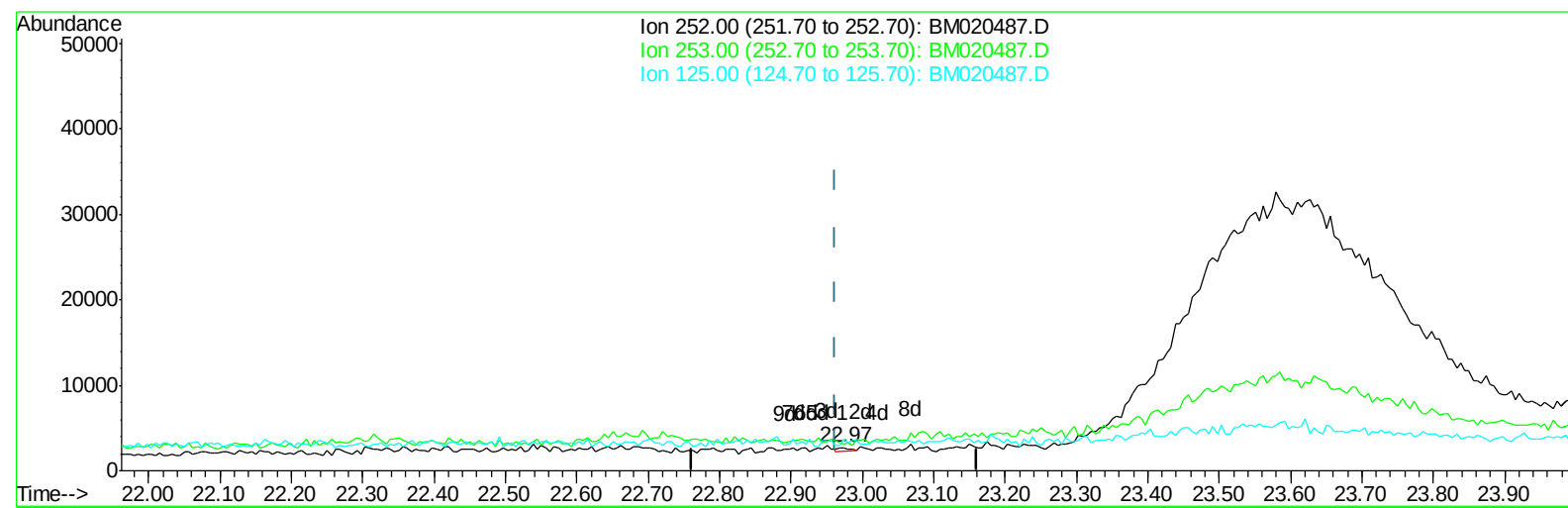
23.580min (+0.664) 8.94ng/ul m

response 641971

Ion	Exp%	Act%
252.00	100	100
253.00	21.30	34.18#
125.00	6.20	16.16#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052119\
Data File : BM020487.D
Acq On : 22 May 2019 07:43
Operator : JU/SJ
Sample : K2923-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 22 11:55:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:54:12 2019
Response via : Initial Calibration



TIC: BM020487.D

(88) Benzo(k)fluoranthene

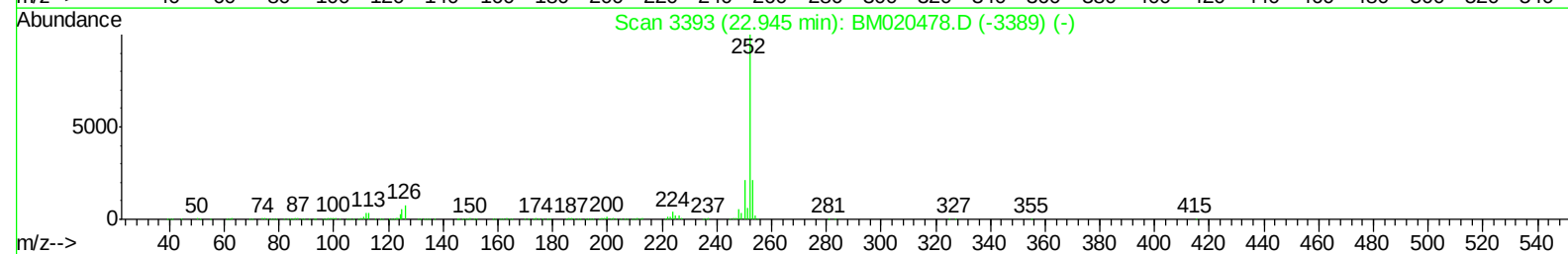
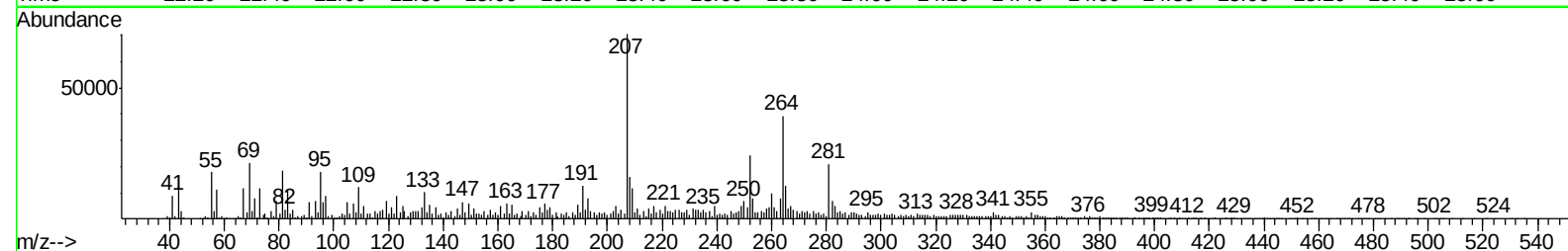
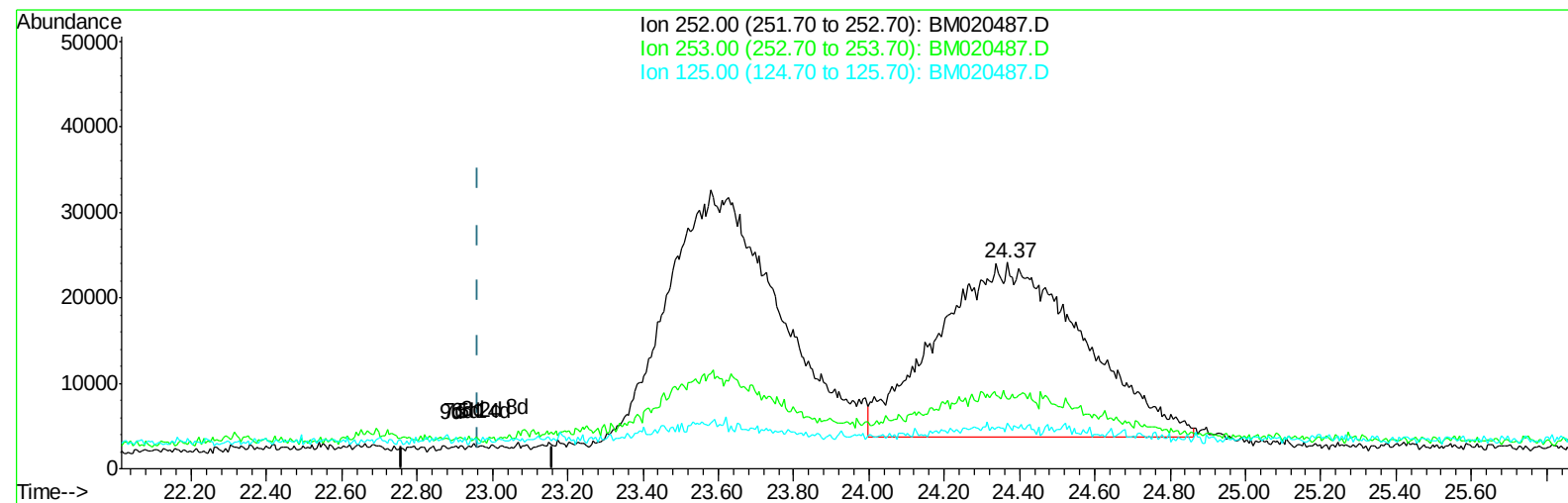
22.974min (+0.012) 0.01ng/ul

response 444

Ion	Exp%	Act%
252.00	100	100
253.00	22.00	117.27#
125.00	6.30	136.50#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052119\
Data File : BM020487.D
Acq On : 22 May 2019 07:43
Operator : JU/SJ
Sample : K2923-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 22 11:55:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:54:12 2019
Response via : Initial Calibration



TIC: BM020487.D

(88) Benzo(k)fluoranthene

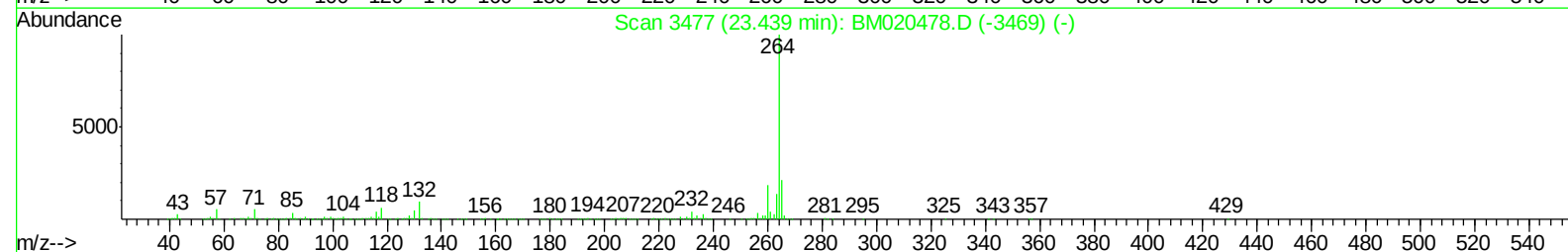
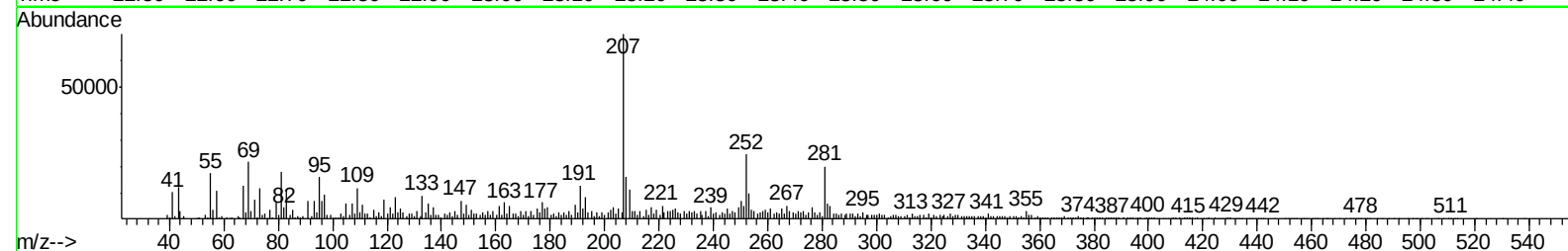
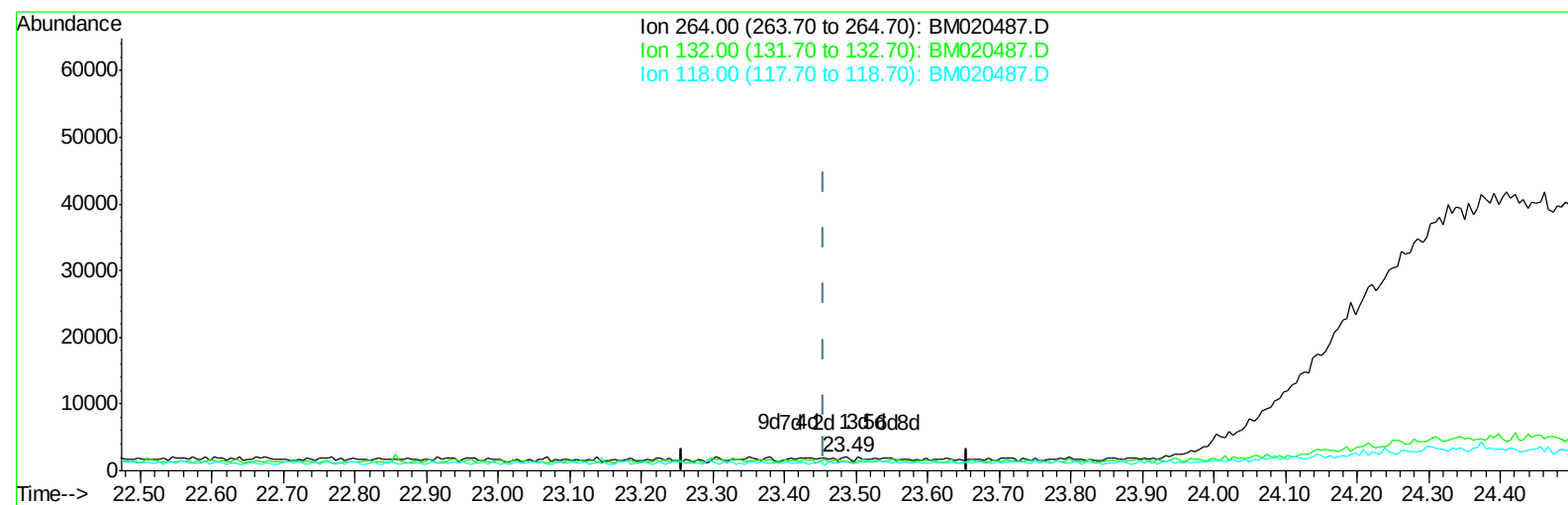
24.368min (+1.406) 7.85ng/ul m

response 554072

Ion	Exp%	Act%
252.00	100	100
253.00	22.00	34.00#
125.00	6.30	21.90#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052119\
 Data File : BM020487.D
 Acq On : 22 May 2019 07:43
 Operator : JU/SJ
 Sample : K2923-11
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 22 11:55:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 22 04:54:12 2019
 Response via : Initial Calibration



TIC: BM020487.D

(89) Benzo(a)pyrene-d12 (S)

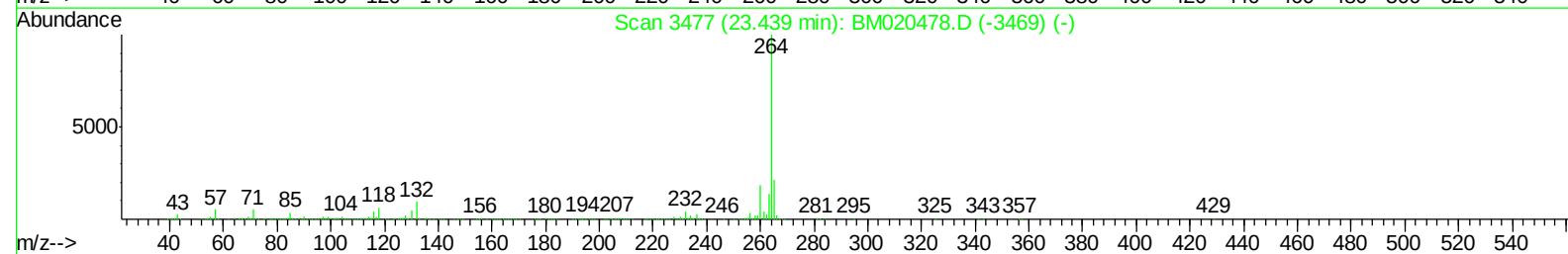
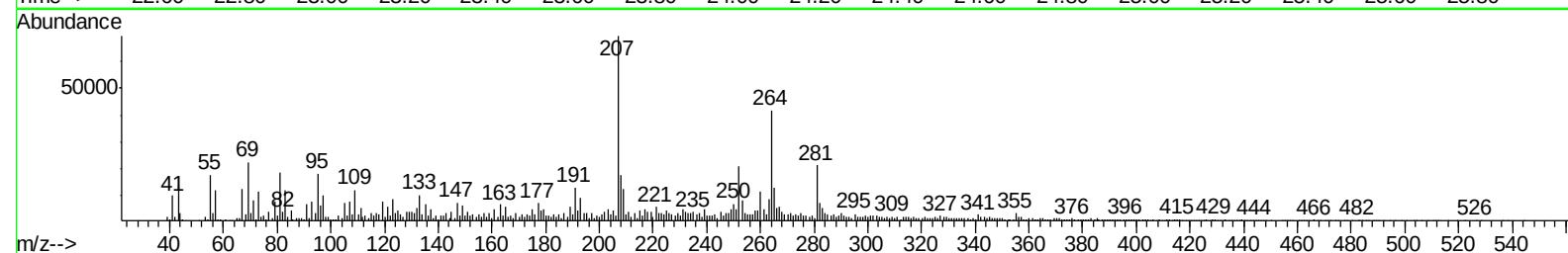
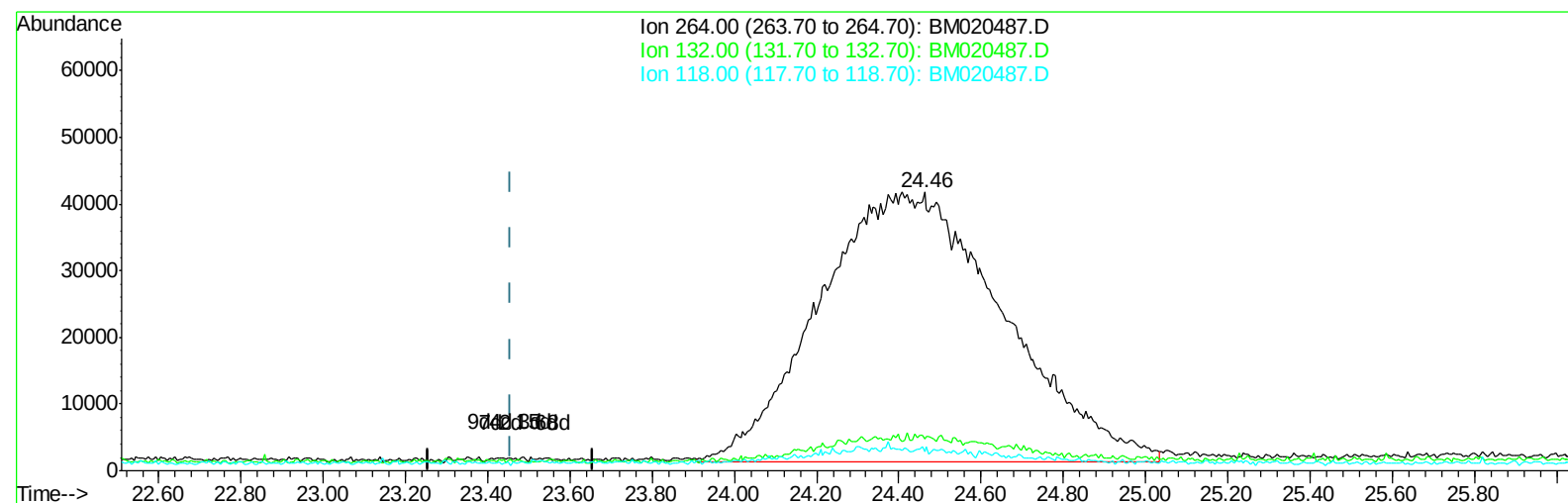
23.486min (+0.029) 0.01ng/ul

response 495

Ion	Exp%	Act%
264.00	100	100
132.00	10.00	67.83#
118.00	6.70	67.15#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052119\
 Data File : BM020487.D
 Acq On : 22 May 2019 07:43
 Operator : JU/SJ
 Sample : K2923-11
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 22 11:55:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 22 04:54:12 2019
 Response via : Initial Calibration



TIC: BM020487.D

(89) Benzo(a)pyrene-d12 (S)

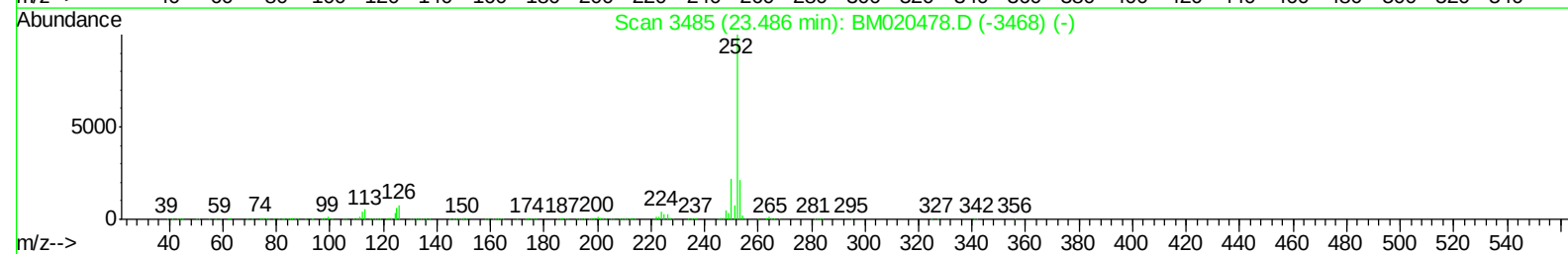
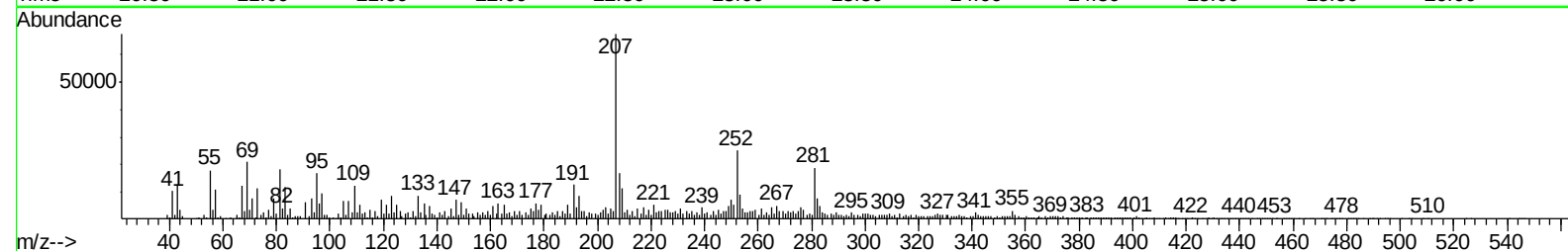
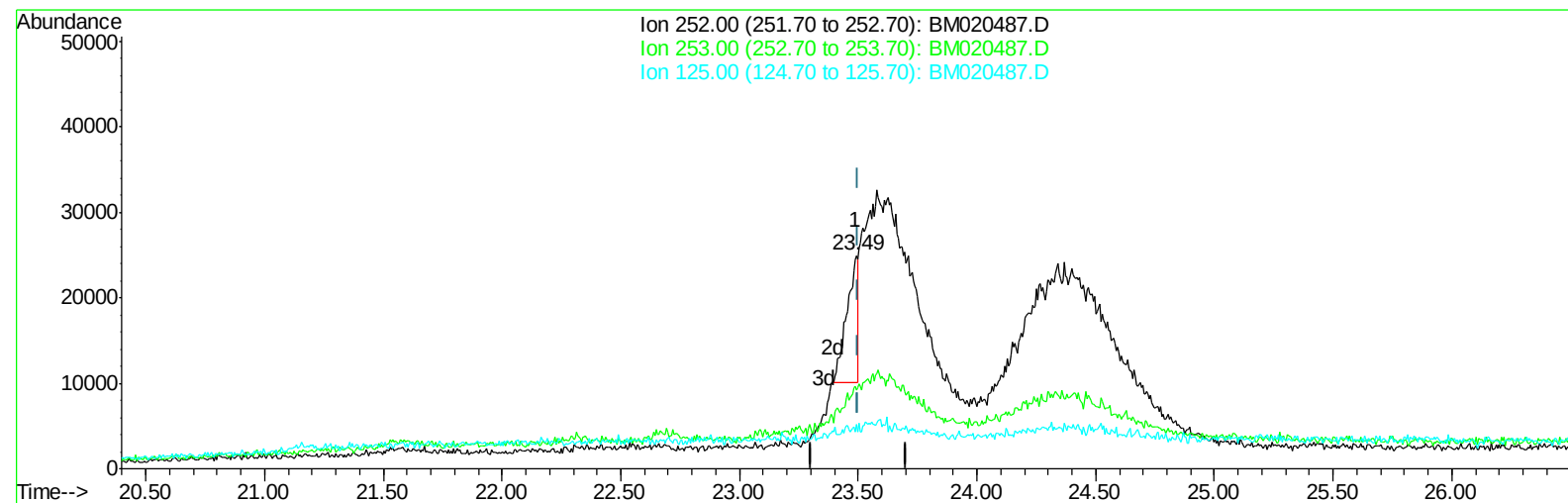
24.462min (+1.006) 22.06ng/ul m

response 1261593

Ion	Exp%	Act%
264.00	100	100
132.00	10.00	11.59
118.00	6.70	6.96
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052119\
Data File : BM020487.D
Acq On : 22 May 2019 07:43
Operator : JU/SJ
Sample : K2923-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 22 11:55:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:54:12 2019
Response via : Initial Calibration



TIC: BM020487.D

(90) Benzo(a)pyrene (C)

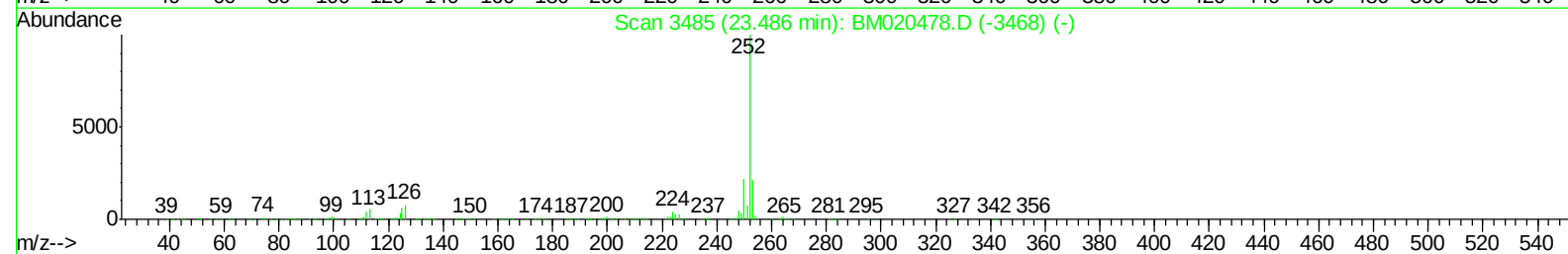
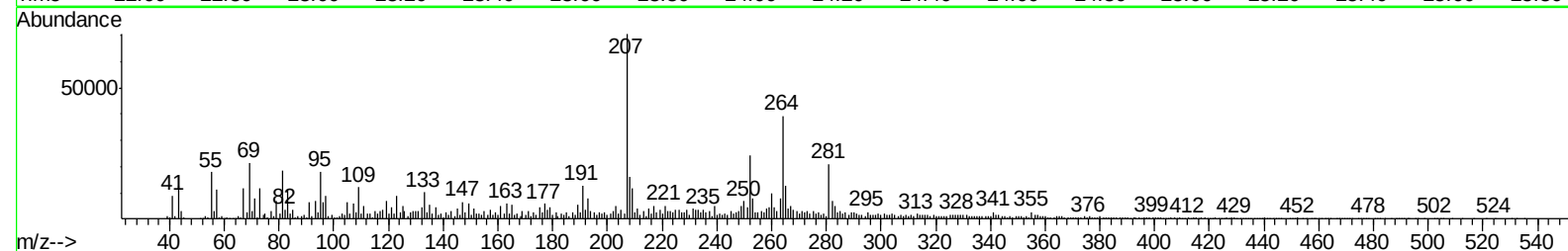
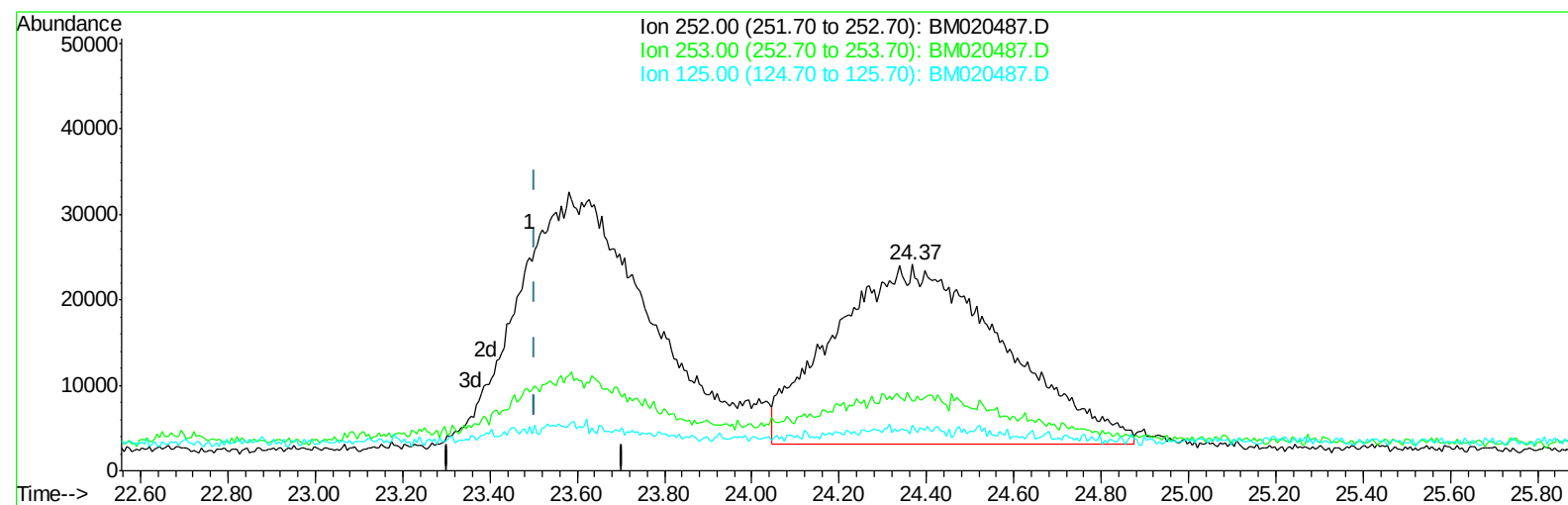
23.491min (-0.012) 0.71ng/ul

response 47921

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	36.96#
125.00	6.80	20.73#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052119\
 Data File : BM020487.D
 Acq On : 22 May 2019 07:43
 Operator : JU/SJ
 Sample : K2923-11
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 22 11:55:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 22 04:54:12 2019
 Response via : Initial Calibration



TIC: BM020487.D

(90) Benzo(a)pyrene (C)

24.368min (+0.864) 8.46ng/ul m

response 572029

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	34.00#
125.00	6.80	21.90#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052119\
 Data File : BM020487.D
 Acq On : 22 May 2019 07:43
 Operator : JU/SJ
 Sample : K2923-11
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 22 11:58:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 22 04:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	63044	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	231431	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.38	164	140976	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.15	188	348491	20.00	ng/ul	0.02
77) Chrysene-d12	21.56	240	393152m	20.00	ng/ul	0.24
85) Perylene-d12	24.46	264	1258383m	20.00	ng/ul	0.86

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	10094	5.91	ng/uL	0.00
5) Phenol-d5	6.90	99	150946	30.01	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.07	67	92575	28.95	ng/ul	0.00
9) 2-Chlorophenol-d4	7.26	132	117315	31.80	ng/ul	0.00
13) 4-Methylphenol-d8	8.43	113	105447	28.79	ng/ul	0.00
19) Nitrobenzene-d5	8.89	128	51120	33.95	ng/ul	0.00
22) 2-Nitrophenol-d4	9.61	143	57162	34.42	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	114526	32.62	ng/ul	0.00
29) 4-Chloroaniline-d4	10.67	131	49283	13.59	ng/ul	0.00
43) Dimethylphthalate-d6	13.79	166	334752	33.00	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	430900	33.96	ng/ul	0.00
51) 4-Nitrophenol-d4	14.72	143	32400m	22.00	ng/ul	0.12
57) Fluorene-d10	15.38	176	312770	34.67	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	15146	7.63	ng/ul	0.05
70) Anthracene-d10	17.26	188	502788	33.64	ng/ul	0.03
78) Pyrene-d10	19.61	212	610248	32.22	ng/ul	0.08
89) Benzo(a)pyrene-d12	24.46	264	1261593m	22.06	ng/ul	1.01

Target Compounds

					Qvalue	
6) Phenol	6.93	94	6306	1.192	ng/ul#	73
44) Dimethylphthalate	13.83	163	124874	12.445	ng/ul	99
47) Acenaphthylene	14.10	152	29267	2.446	ng/ul	99
69) Phenanthrene	17.20	178	222996	13.430	ng/ul	100
71) Anthracene	17.29	178	66323	3.927	ng/ul	98
74) Carbazole	17.61	167	16671	1.163	ng/ul	97
76) Fluoranthene	19.27	202	533240	25.423	ng/ul	99
79) Pyrene	19.64	202	495696	21.006	ng/ul	98
82) Benzo(a)anthracene	21.57	228	290675m	12.284	ng/ul	
84) Chrysene	21.59	228	379794m	16.795	ng/ul	
87) Benzo(b)fluoranthene	23.58	252	641971m	8.939	ng/ul	
88) Benzo(k)fluoranthene	24.37	252	554072m	7.854	ng/ul	
90) Benzo(a)pyrene	24.37	252	572029m	8.463	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052119\
Data File : BM020487.D
Acq On : 22 May 2019 07:43
Operator : JU/SJ
Sample : K2923-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 22 11:58:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:54:12 2019
Response via : Initial Calibration

