

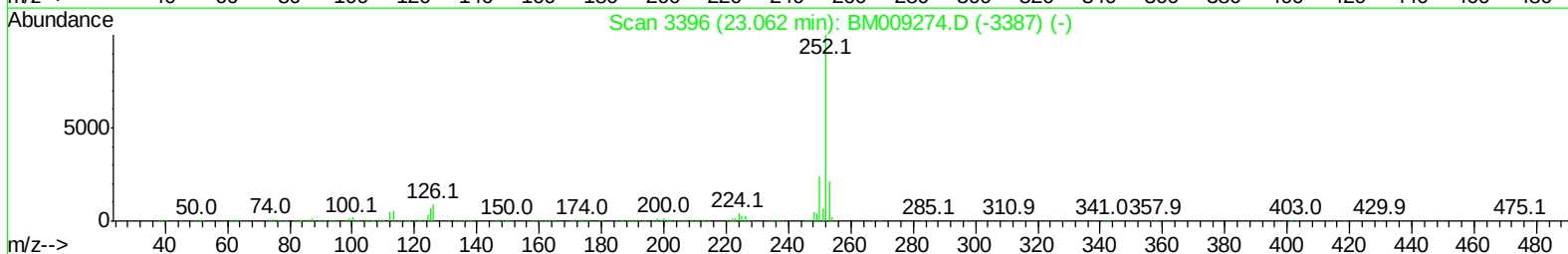
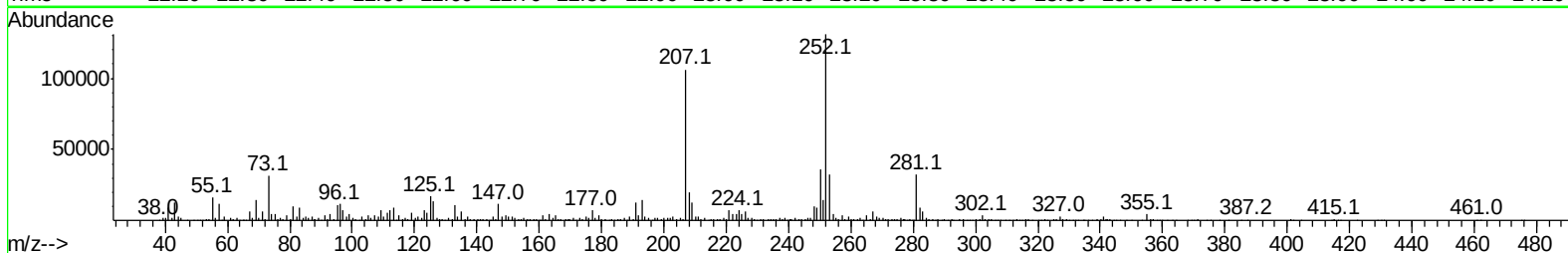
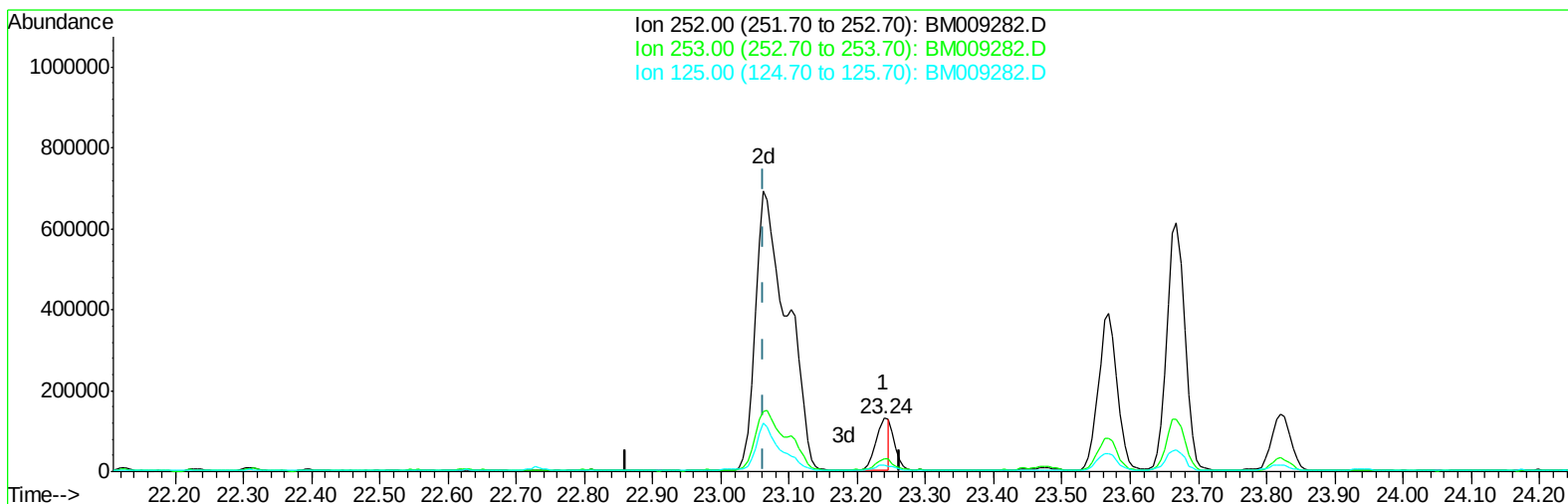
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031717\
Data File : BM009282.D
Acq On : 17 Mar 2017 20:00
Operator : SJ/MA
Sample : I2285-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CB320

Manual Integrations
APPROVED

mohammad
3/20/2017 12:08:52 PM

Quant Time: Mar 18 00:41:17 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031717-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 18 00:39:50 2017
Response via : Initial Calibration



TIC: BM009282.D

(24) Benzo(b)fluoranthene

23.239min (+0.177) 1.86ng/ul

response 169321

Ion	Exp%	Act%
252.00	100	100
253.00	22.20	25.04
125.00	11.70	13.06
0.00	0.00	0.00

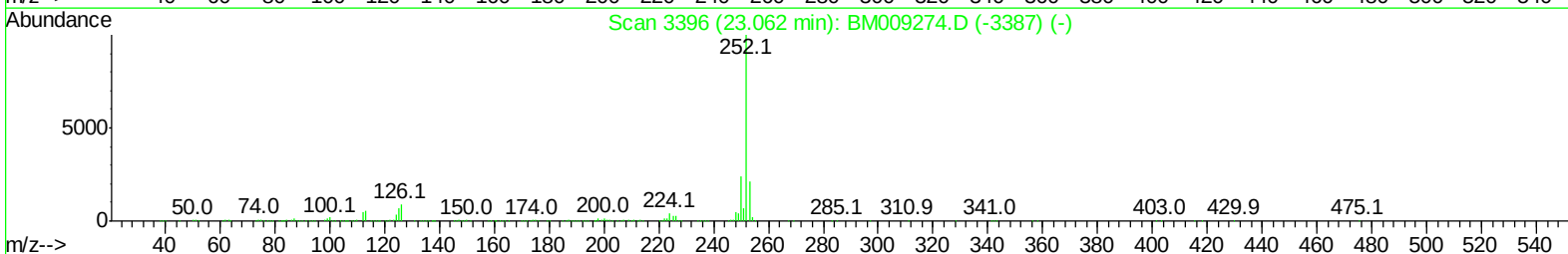
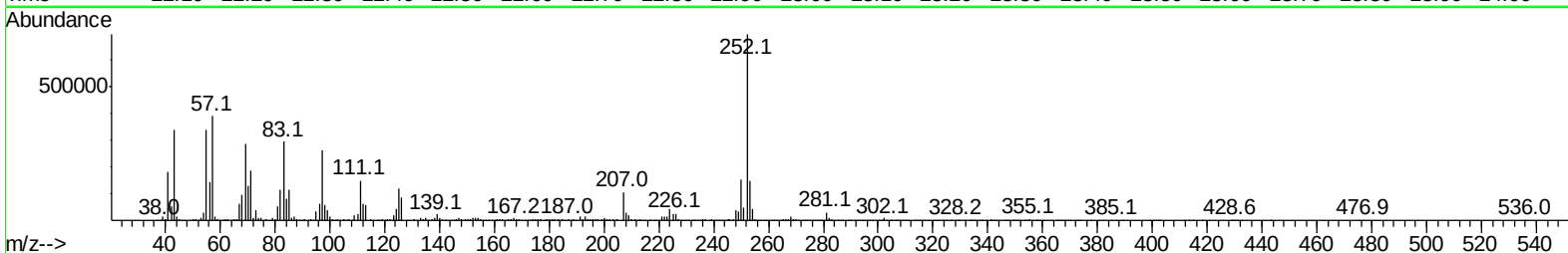
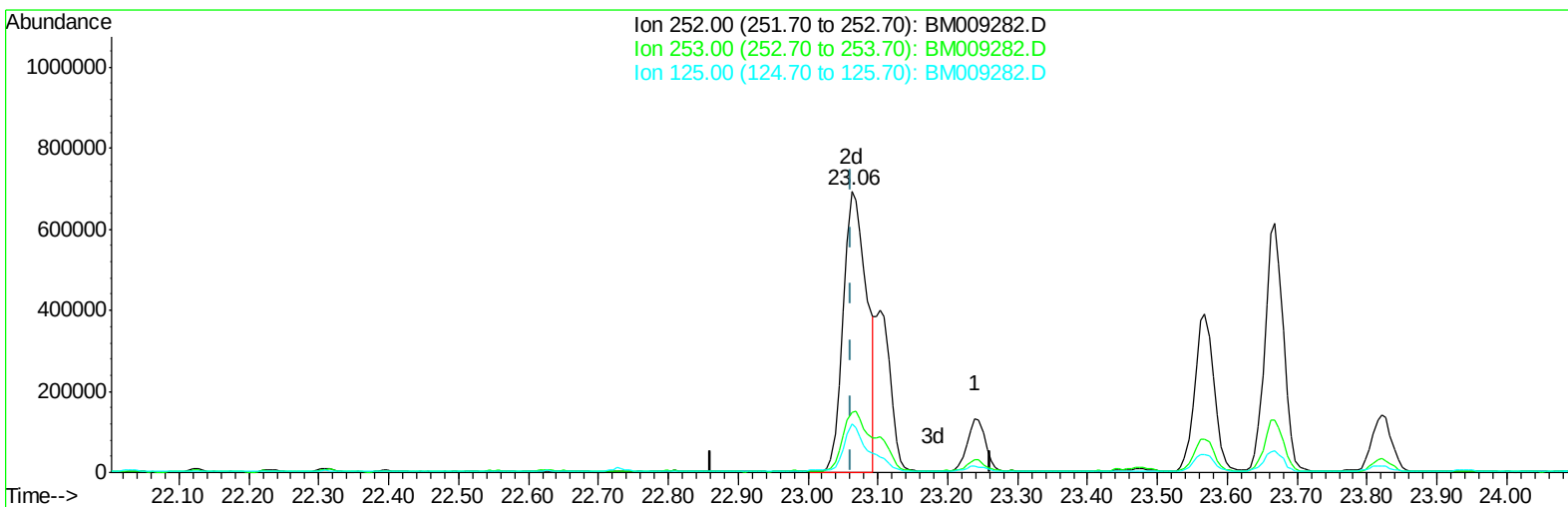
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031717\
Data File : BM009282.D
Acq On : 17 Mar 2017 20:00
Operator : SJ/MA
Sample : I2285-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CB320

Manual Integrations
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Quant Time: Mar 18 00:41:17 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031717-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 18 00:39:50 2017
Response via : Initial Calibration



TIC: BM009282.D

(24) Benzo(b)fluoranthene

23.062min (+0.000) 17.84ng/ul m

response 1620787

Ion	Exp%	Act%
252.00	100	100
253.00	22.20	21.45
125.00	11.70	17.26#
0.00	0.00	0.00

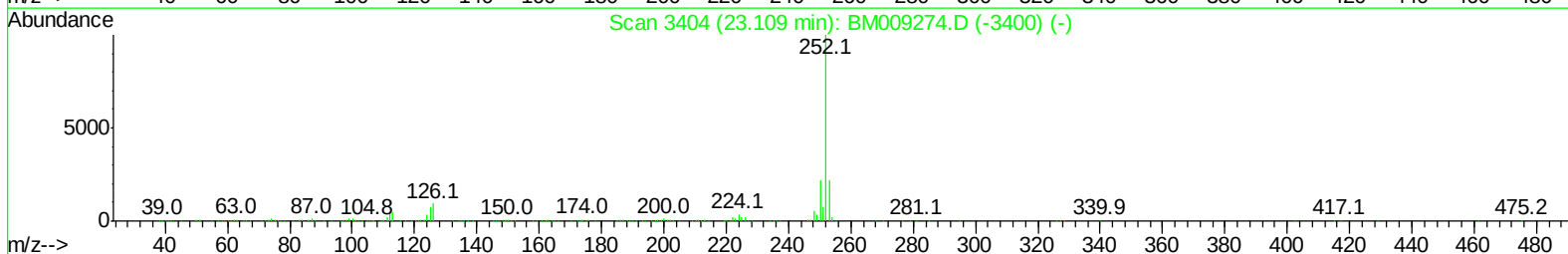
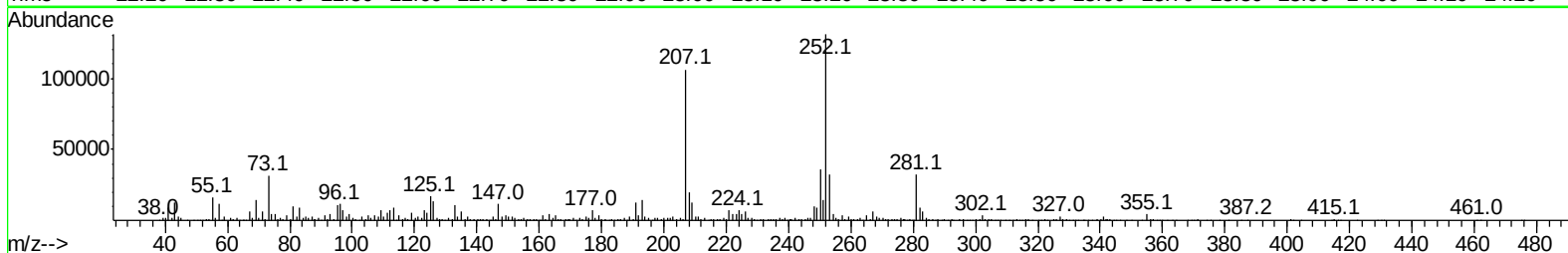
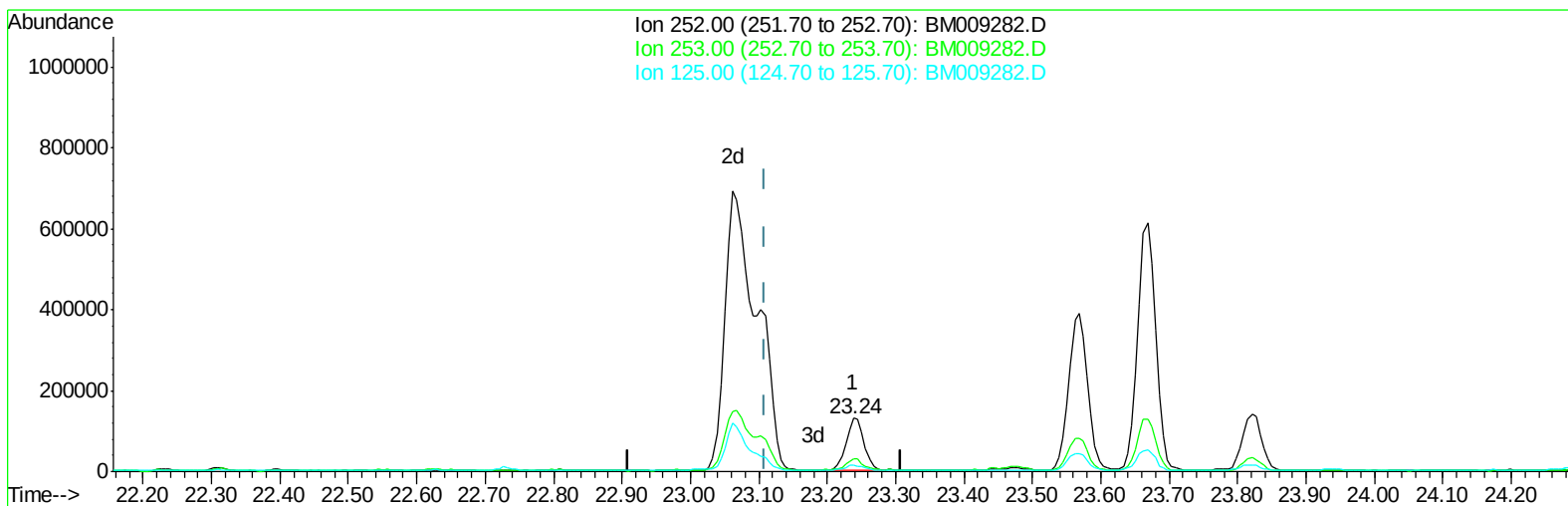
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031717\
Data File : BM009282.D
Acq On : 17 Mar 2017 20:00
Operator : SJ/MA
Sample : I2285-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CB320

Manual Integrations
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Quant Time: Mar 18 00:41:17 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031717-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 18 00:39:50 2017
Response via : Initial Calibration



TIC: BM009282.D

(25) Benzo(k)fluoranthene

23.239min (+0.130) 2.76ng/ul

response 236151

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	25.04
125.00	11.00	13.06
0.00	0.00	0.00

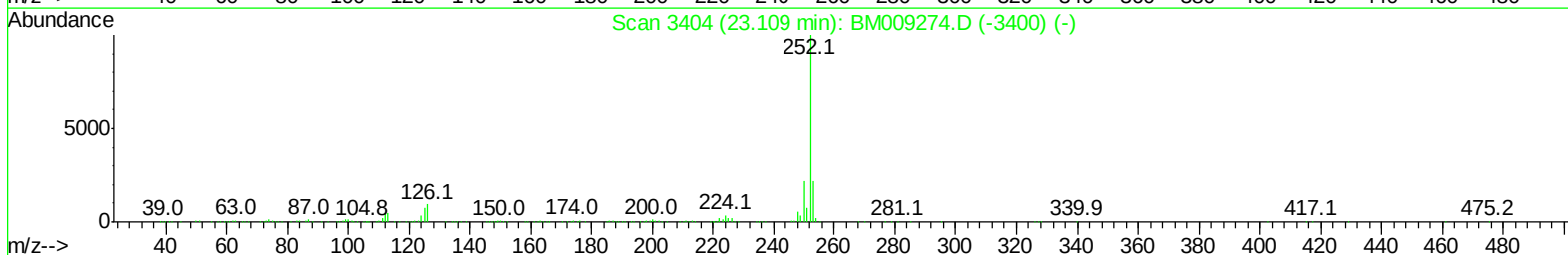
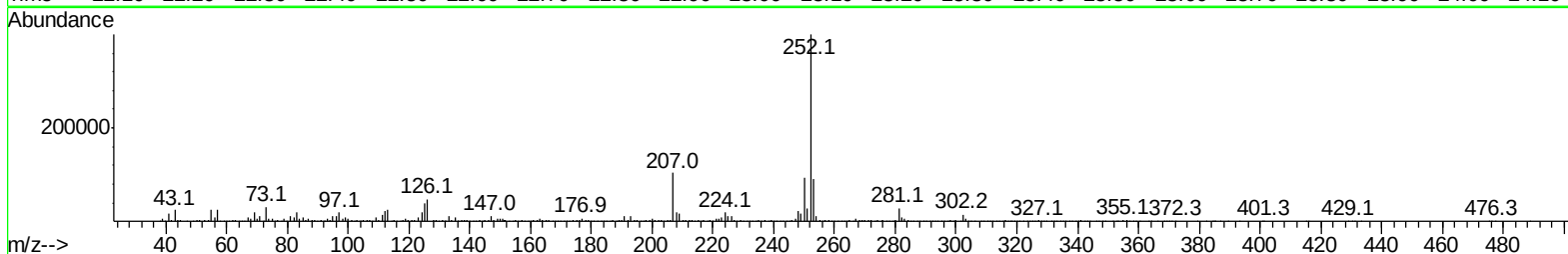
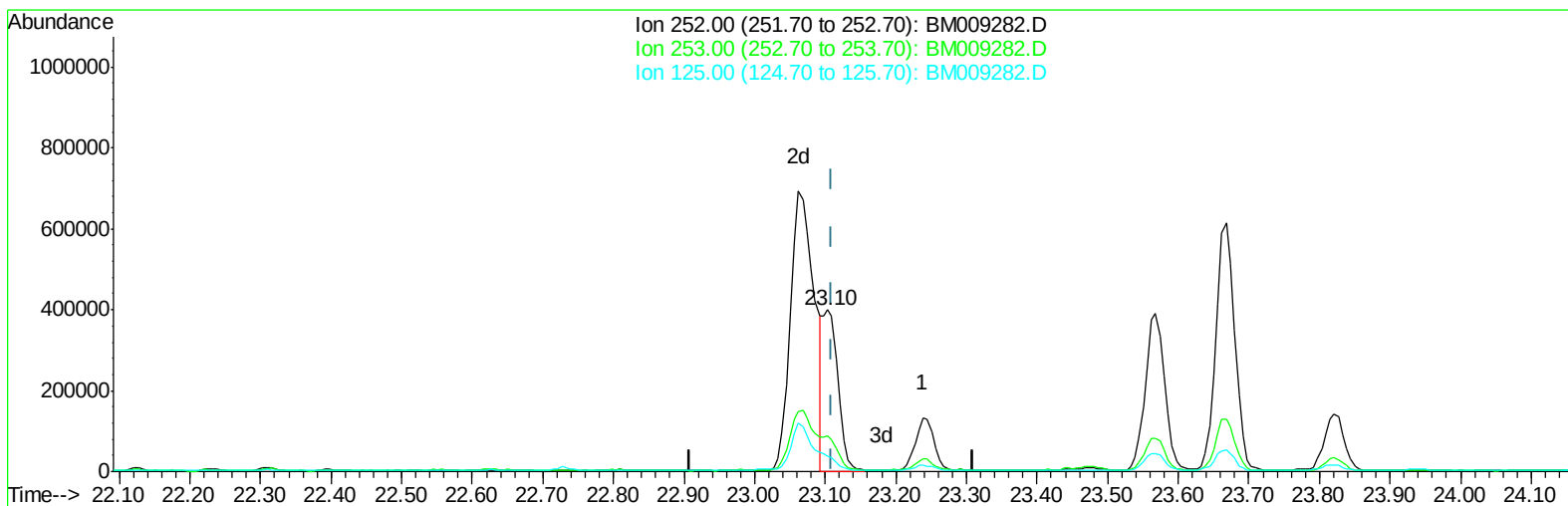
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031717\
Data File : BM009282.D
Acq On : 17 Mar 2017 20:00
Operator : SJ/MA
Sample : I2285-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CB320

Manual Integrations
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Quant Time: Mar 18 00:41:17 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031717-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 18 00:39:50 2017
Response via : Initial Calibration



TIC: BM009282.D

(25) Benzo(k)fluoranthene

23.103min (-0.006) 7.17ng/ul m

response 614733

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	22.47
125.00	11.00	9.72
0.00	0.00	0.00

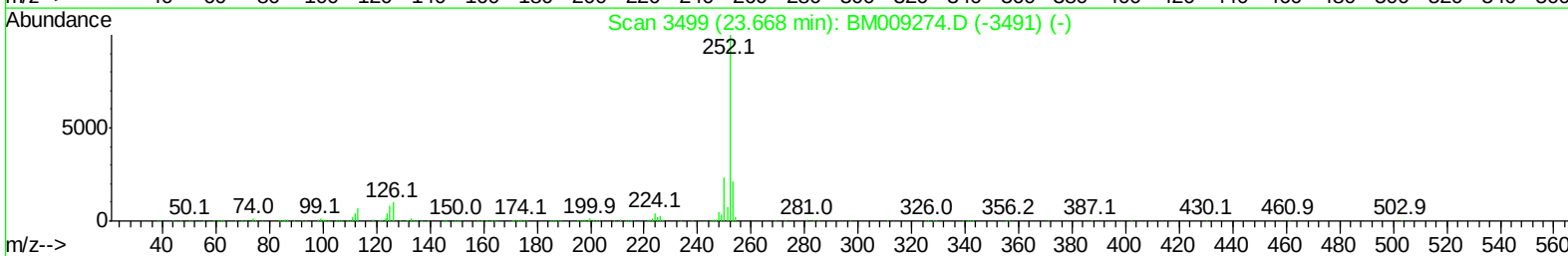
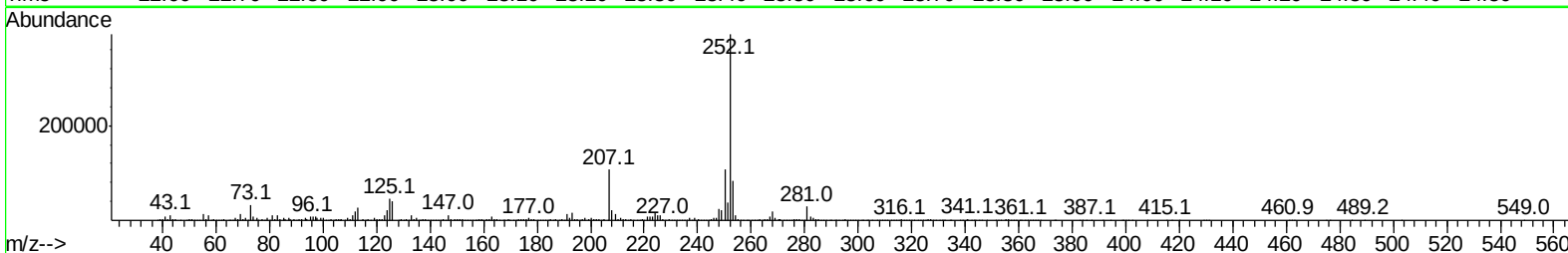
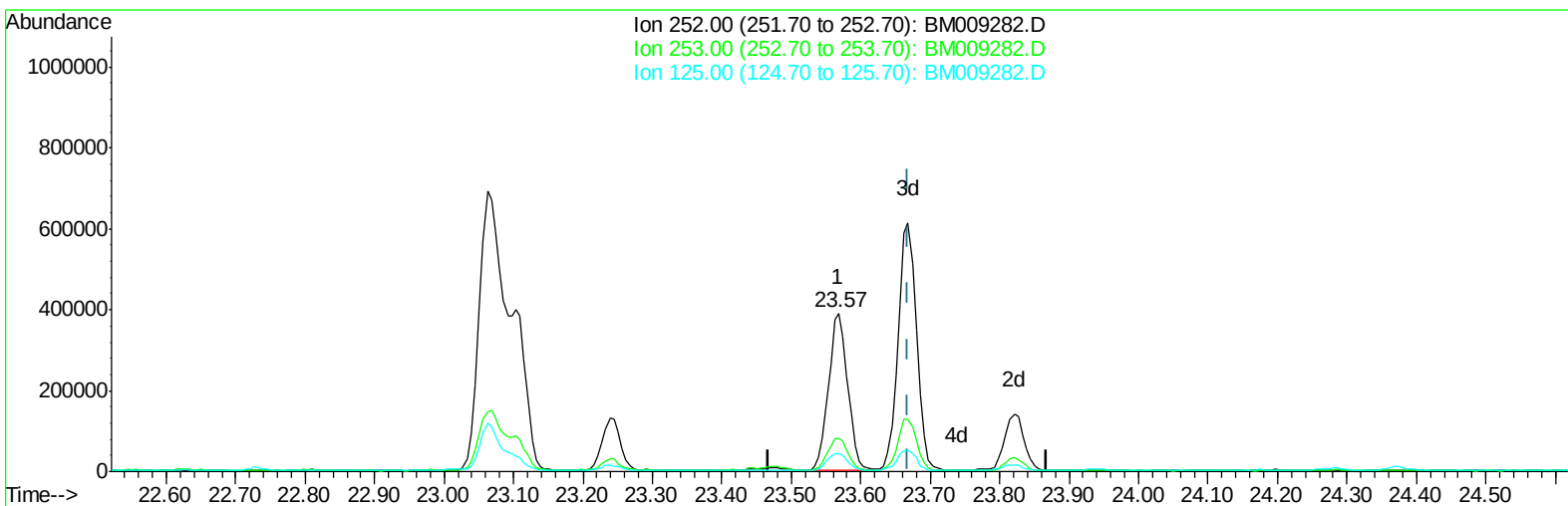
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031717\
Data File : BM009282.D
Acq On : 17 Mar 2017 20:00
Operator : SJ/MA
Sample : I2285-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CB320

Manual Integrations
APPROVED

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3/20/2017 12:08:52 PM

Quant Time: Mar 18 00:41:17 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031717-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 18 00:39:50 2017
Response via : Initial Calibration



TIC: BM009282.D

(27) Benzo(a)pyrene (C)

23.568min (-0.100) 8.53ng/ul

response 746130

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	21.03
125.00	11.80	11.59
0.00	0.00	0.00

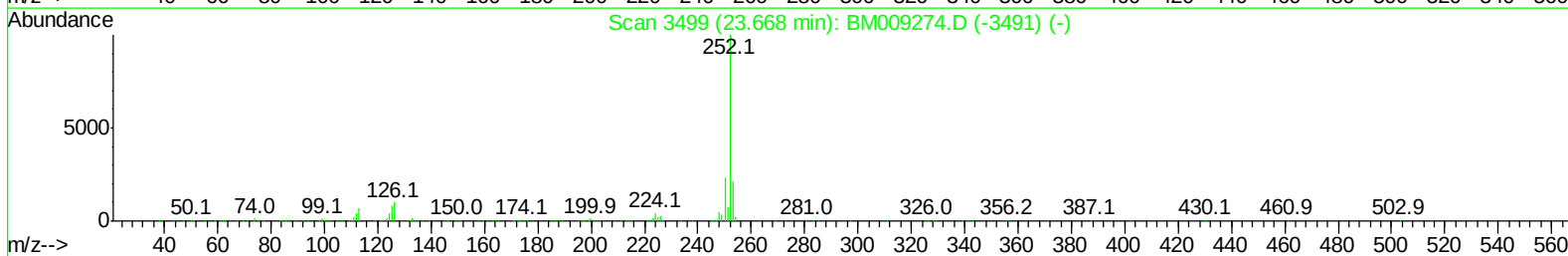
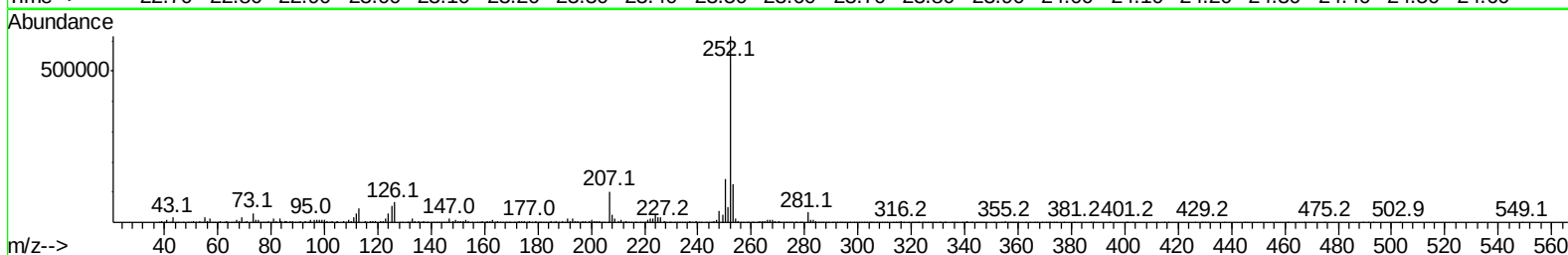
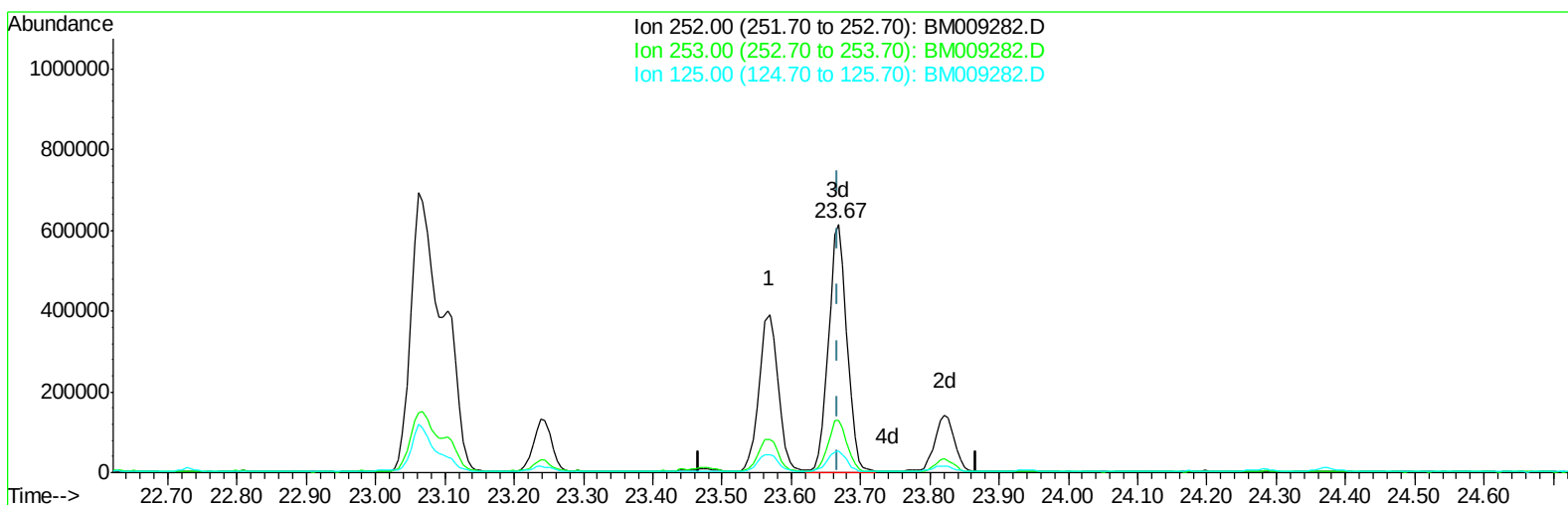
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031717\
Data File : BM009282.D
Acq On : 17 Mar 2017 20:00
Operator : SJ/MA
Sample : I2285-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CB320

Manual Integrations
APPROVED

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Quant Time: Mar 18 00:41:17 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031717-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 18 00:39:50 2017
Response via : Initial Calibration



TIC: BM009282.D

(27) Benzo(a)pyrene (C)

23.668min (+0.000) 13.03ng/ul m

response 1139491

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	20.92
125.00	11.80	8.85#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031717\
 Data File : BM009282.D
 Acq On : 17 Mar 2017 20:00
 Operator : SJ/MA
 Sample : I2285-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB320

Manual Integrations
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 3/20/2017 12:08:52 PM

Quant Time: Mar 18 01:01:01 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031717-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Mar 18 00:39:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	115071	20.00	ng/ul	0.00
2) Naphthalene-d8	10.67	136	532185	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	362711	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.26	188	955959	20.00	ng/ul	0.00
18) Chrysene-d12	21.44	240	1492637	20.00	ng/ul	0.00
23) Perylene-d12	23.77	264	1543855	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.29	165	7925	0.92	ng/uL	0.00
7) Acenaphthylene-d8	14.21	160	508186	16.53	ng/ul	0.00
10) Fluorene-d10	15.50	176	430776	15.98	ng/ul	0.00
15) Anthracene-d10	17.36	188	737447	16.24	ng/ul	0.00
19) Pyrene-d10	19.65	212	968847	16.19	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.62	264	1098414	15.65	ng/ul	0.00
Target Compounds						
						Qvalue
4) Naphthalene	10.73	128	30088	1.11	ng/ul#	95
8) Acenaphthylene	14.24	152	31665	1.02	ng/ul#	90
9) Acenaphthene	14.58	153	58301	2.59	ng/ul	93
11) Fluorene	15.56	166	56837	1.84	ng/ul	95
14) Phenanthrene	17.30	178	1151598	21.39	ng/ul	97
16) Anthracene	17.39	178	245610	4.40	ng/ul	98
17) Fluoranthene	19.32	202	2198131	32.22	ng/ul	96
20) Pyrene	19.68	202	1928387	25.04	ng/ul	96
21) Benzo(a)anthracene	21.42	228	1218969	14.35	ng/ul	99
22) Chrysene	21.47	228	1141587	14.23	ng/ul	96
24) Benzo(b)fluoranthene	23.06	252	1620787m	17.84	ng/ul	
25) Benzo(k)fluoranthene	23.10	252	614733m	7.17	ng/ul	
27) Benzo(a)pyrene	23.67	252	1139491m	13.03	ng/ul	
28) Indeno(1,2,3-cd)pyrene	26.14	276	730657	7.04	ng/ul#	93
29) Dibenzo(a,h)anthracene	26.15	278	199673	2.28	ng/ul	97
30) Benzo(g,h,i)perylene	26.88	276	621098	7.19	ng/ul#	93

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

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031717\
Data File : BM009282.D
Acq On : 17 Mar 2017 20:00
Operator : SJ/MA
Sample : I2285-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
CB320

Manual Integrations
APPROVED

mohammad
3/20/2017 12:08:52 PM

Quant Time: Mar 18 01:01:01 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031717-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 18 00:39:50 2017
Response via : Initial Calibration

