

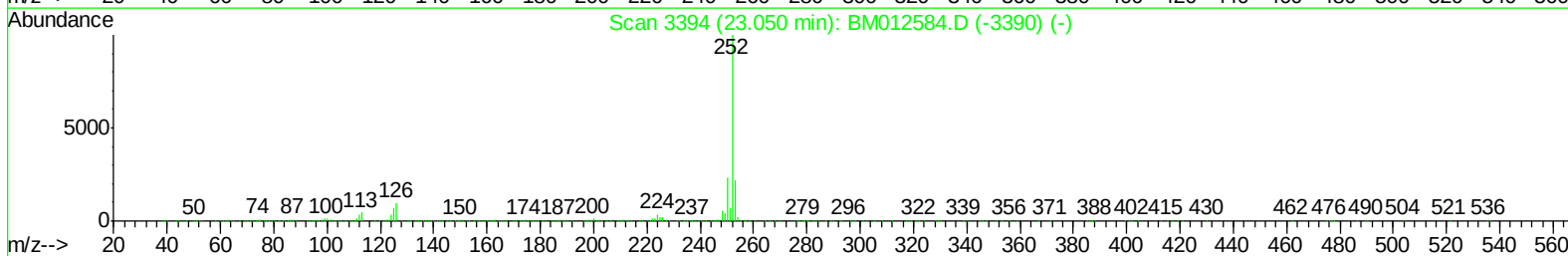
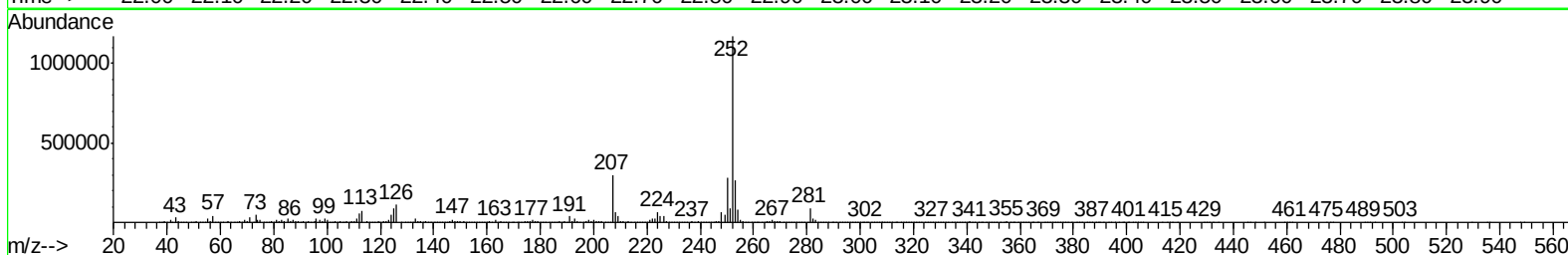
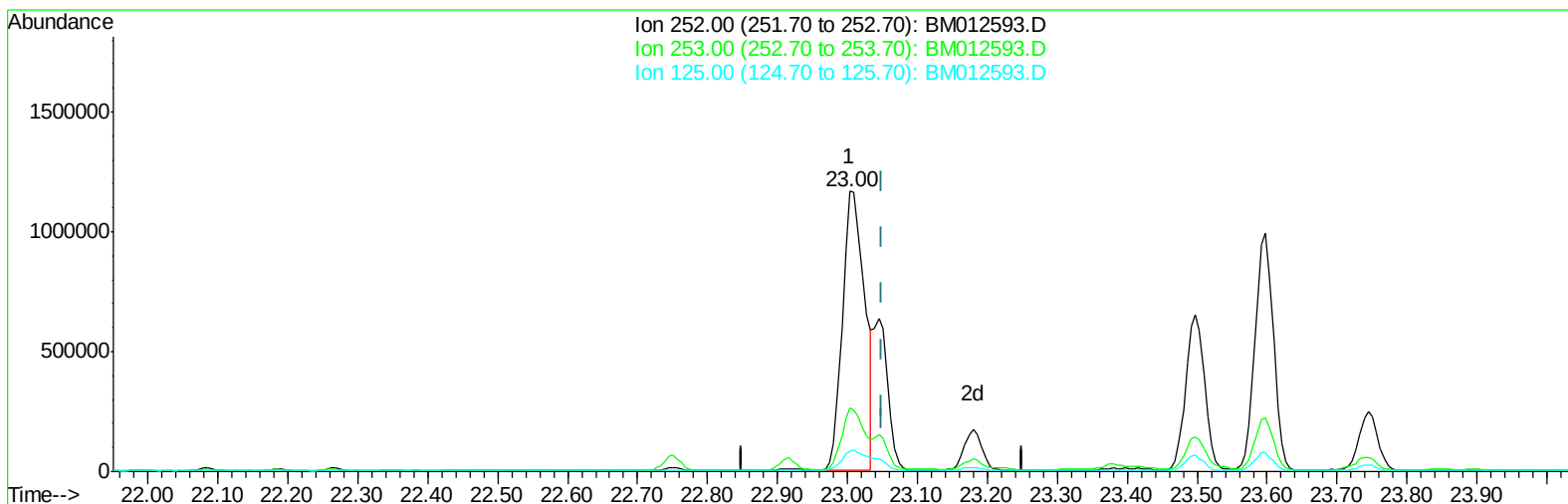
Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
Data File : BM012593.D
Acq On : 31 Oct 2017 03:00
Operator : SJ/JU
Sample : I5886-15
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ESNF3

Manual Integrations
APPROVED

Sohil
10/31/2017 7:47:32 PM

Quant Time: Oct 31 04:52:56 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 31 04:46:13 2017
Response via : Initial Calibration



TIC: BM012593.D

(86) Benzo(k)fluoranthene

23.003min (-0.047) 20.93ng/ul

response 2600566

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	22.94
125.00	4.30	7.50#
0.00	0.00	0.00

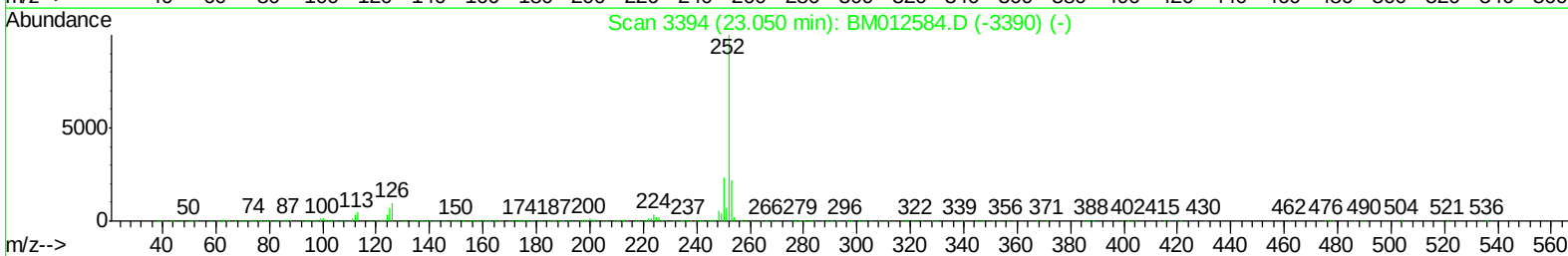
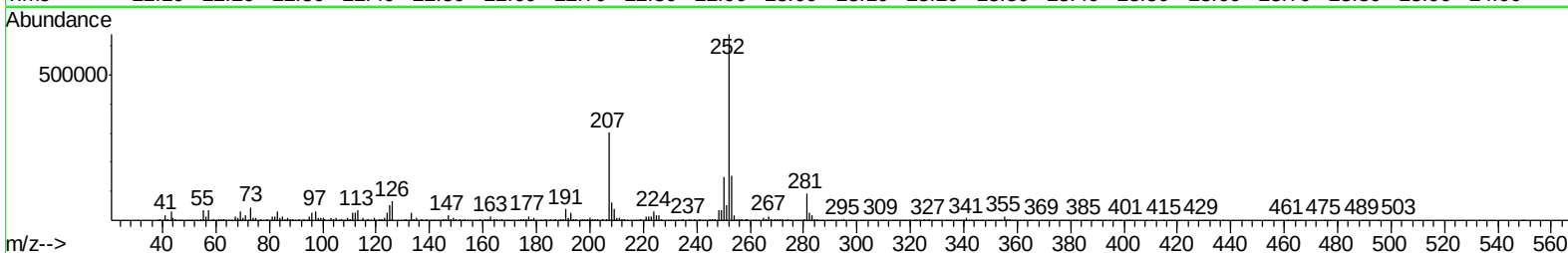
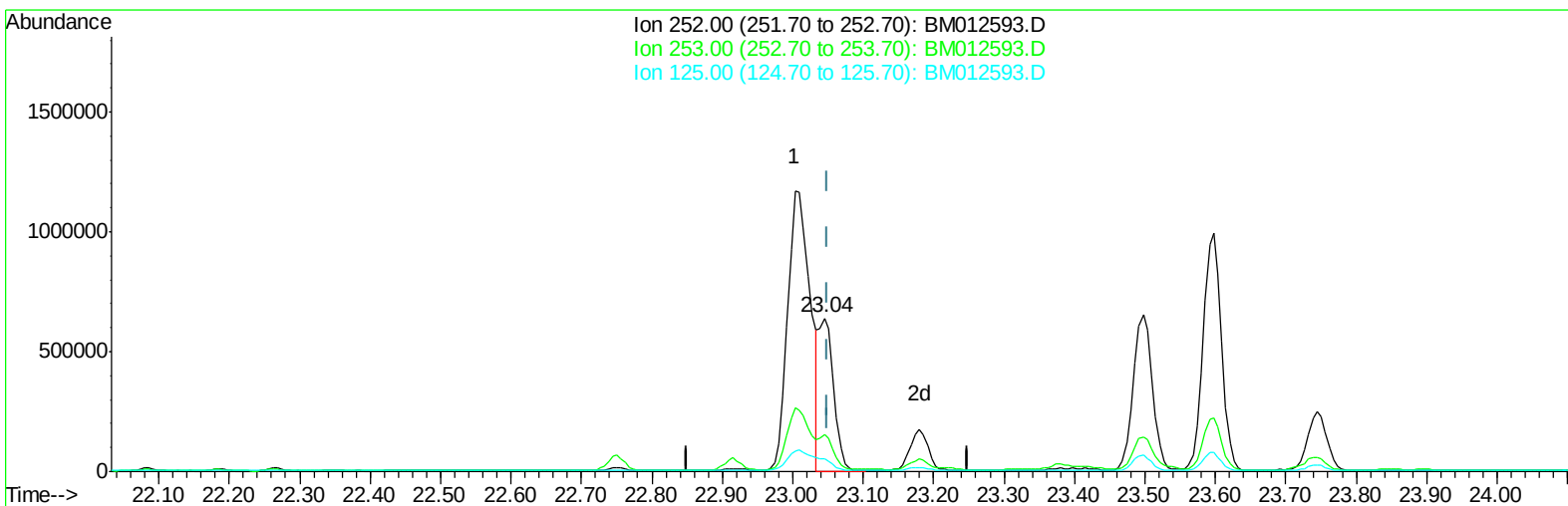
Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
Data File : BM012593.D
Acq On : 31 Oct 2017 03:00
Operator : SJ/JU
Sample : I5886-15
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ESNF3

Quant Time: Oct 31 04:52:56 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 31 04:46:13 2017
Response via : Initial Calibration

Manual Integrations
APPROVED

Sohil
10/31/2017 7:47:32 PM



TIC: BM012593.D

(86) Benzo(k)fluoranthene

23.045min (-0.006) 7.39ng/ul m

response 918596

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	23.97
125.00	4.30	8.21#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
 Data File : BM012593.D
 Acq On : 31 Oct 2017 03:00
 Operator : SJ/JU
 Sample : I5886-15
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ESNF3

Manual Integrations
 APPROVED

Sohil
 10/31/2017 7:47:32 PM

Quant Time: Oct 31 05:22:25 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 31 04:46:13 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	336204	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	1254043	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	700663	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1597719	20.00	ng/ul	0.00
75) Chrysene-d12	21.40	240	1888414	20.00	ng/ul	0.00
83) Perylene-d12	23.70	264	2135318	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.35	96	37394	5.68	ng/uL	0.00
5) Phenol-d5	7.02	99	600247	21.37	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.19	67	395954	23.75	ng/ul	0.00
9) 2-Chlorophenol-d4	7.39	132	512280	24.35	ng/ul	0.00
13) 4-Methylphenol-d8	8.56	113	454960	18.95	ng/ul	0.00
19) Nitrobenzene-d5	9.01	128	246356	31.37	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	277030	34.24	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.27	165	503181	23.48	ng/ul	0.00
29) 4-Chloroaniline-d4	10.78	131	434603	19.23	ng/ul	0.00
43) Dimethylphthalate-d6	13.89	166	1466565	23.96	ng/ul	0.00
46) Acenaphthylene-d8	14.18	160	1843313	25.46	ng/ul	0.00
51) 4-Nitrophenol-d4	14.69	143	148569	16.33	ng/ul	0.00
57) Fluorene-d10	15.47	176	1290592	24.91	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.60	200	157668	20.39	ng/ul	0.00
70) Anthracene-d10	17.32	188	1908933	25.07	ng/ul	0.00
76) Pyrene-d10	19.62	212	2179819	25.16	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.55	264	2469918	24.35	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	7.05	94	91753	3.14 ng/ul#	81
49) Acenaphthene	14.55	153	111746	2.36 ng/ul	99
53) Dibenzofuran	14.89	168	102509	1.46 ng/ul	98
58) Fluorene	15.53	166	103441	1.75 ng/ul	99
69) Phenanthrene	17.27	178	1828477	21.16 ng/ul	99
71) Anthracene	17.36	178	372063	4.17 ng/ul	99
72) Carbazole	17.63	167	188062	2.54 ng/ul	100
74) Fluoranthene	19.28	202	2849170	29.10 ng/ul#	91
77) Pyrene	19.64	202	2449633	22.81 ng/ul#	92
78) Butylbenzylphthalate	20.54	149	71321	1.69 ng/ul	89
80) Benzo(a)anthracene	21.39	228	1553991	13.74 ng/ul	97
82) Chrysene	21.43	228	1638944	16.30 ng/ul	97
85) Benzo(b)fluoranthene	23.00	252	2600566	19.70 ng/ul#	98
86) Benzo(k)fluoranthene	23.04	252	918596m	7.39 ng/ul	
88) Benzo(a)pyrene	23.60	252	1803668	14.33 ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	26.03	276	1424107	9.61 ng/ul#	97
90) Dibenzo(a,h)anthracene	26.03	278	385502	3.07 ng/ul#	88
91) Benzo(g,h,i)perylene	26.74	276	1151561	9.59 ng/ul#	96

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

Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
Data File : BM012593.D
Acq On : 31 Oct 2017 03:00
Operator : SJ/JU
Sample : I5886-15
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ESNF3

Manual Integrations
APPROVED

Sohil
10/31/2017 7:47:32 PM

Quant Time: Oct 31 05:22:25 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 31 04:46:13 2017
Response via : Initial Calibration

