

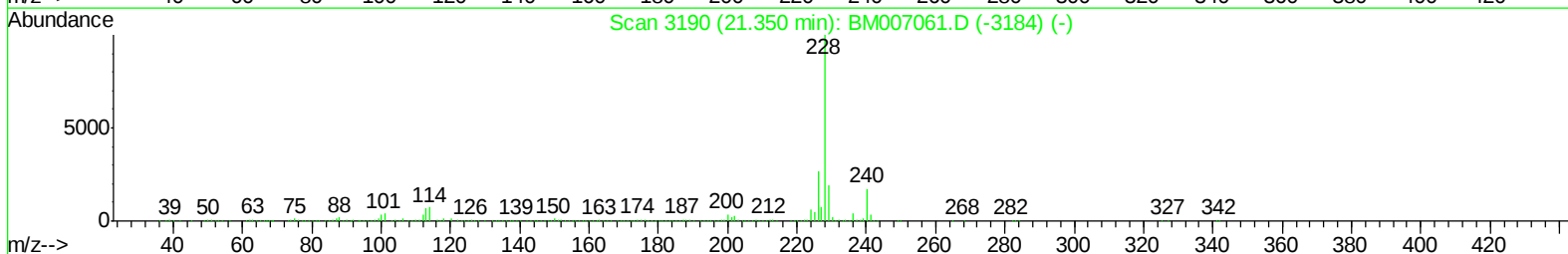
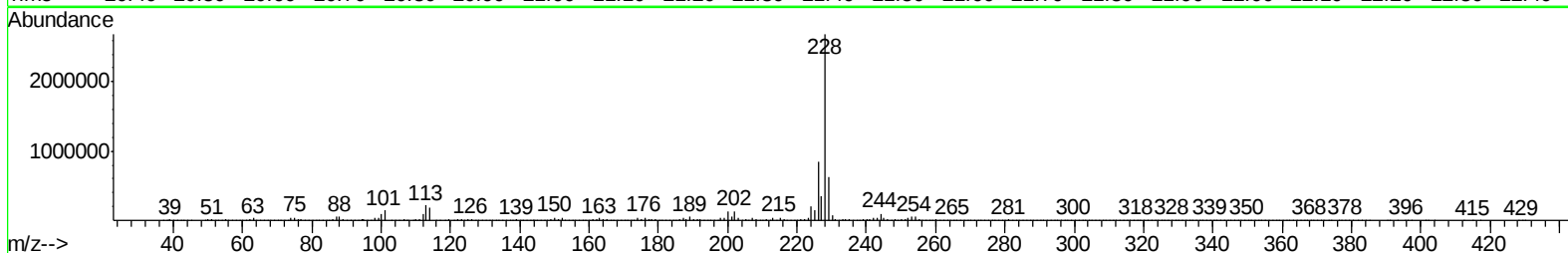
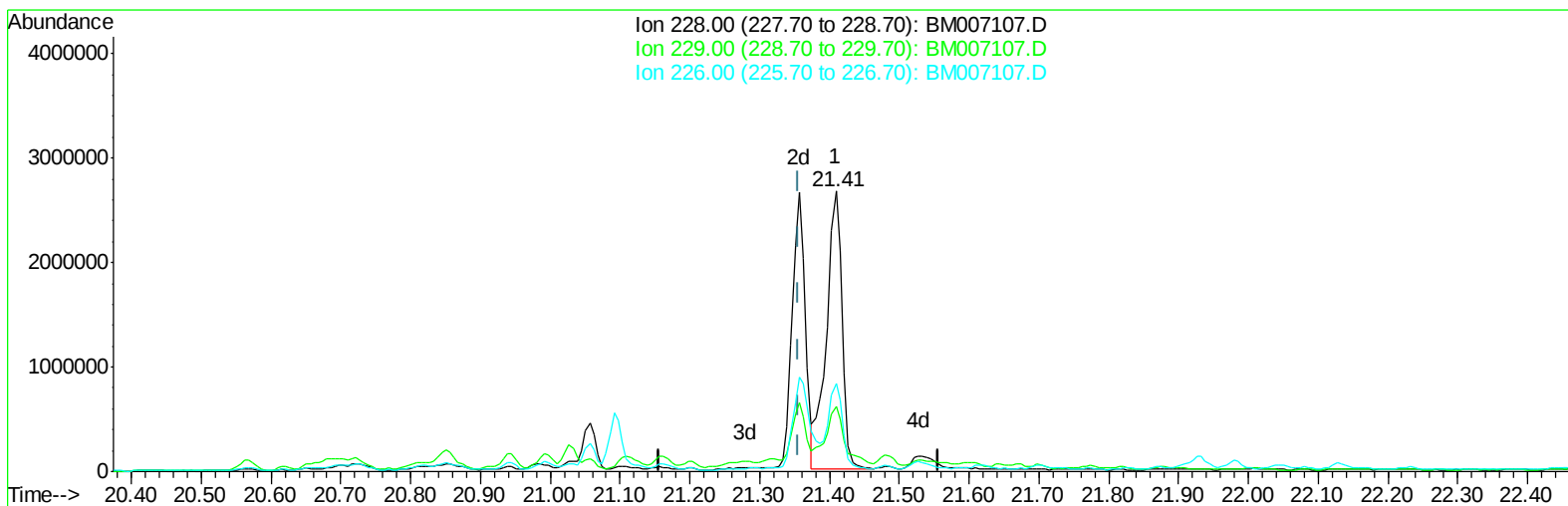
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007107.D
Acq On : 14 Aug 2016 14:40
Operator : UM/SJ
Sample : H4387-22MS
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PR002-SS001-1218-01MS

Quant Time: Aug 15 15:11:49 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 10:34:14 2016
Response via : Initial Calibration

Manual Integrations
APPROVED

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TIC: BM007107.D

(80) Benzo(a)anthracene
21.409min (+0.053) 42.73ng/ul
response 4100696

Ion	Exp%	Act%
228.00	100	100
229.00	19.50	23.02
226.00	27.30	31.32
0.00	0.00	0.00

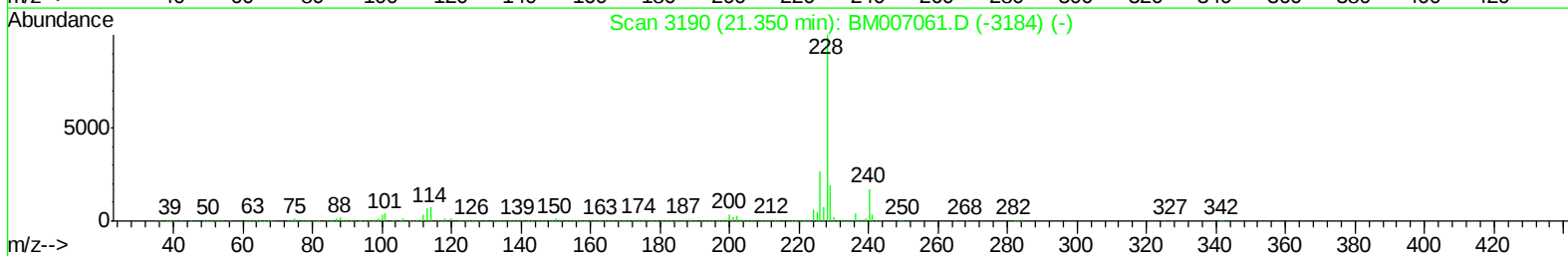
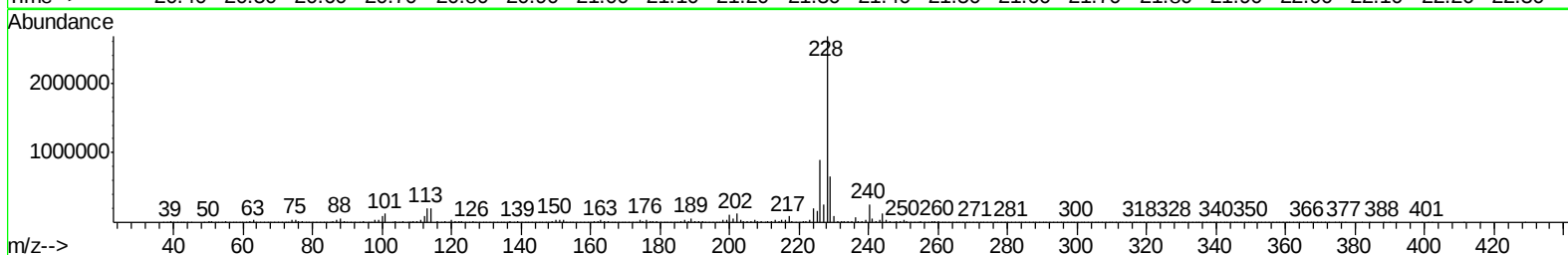
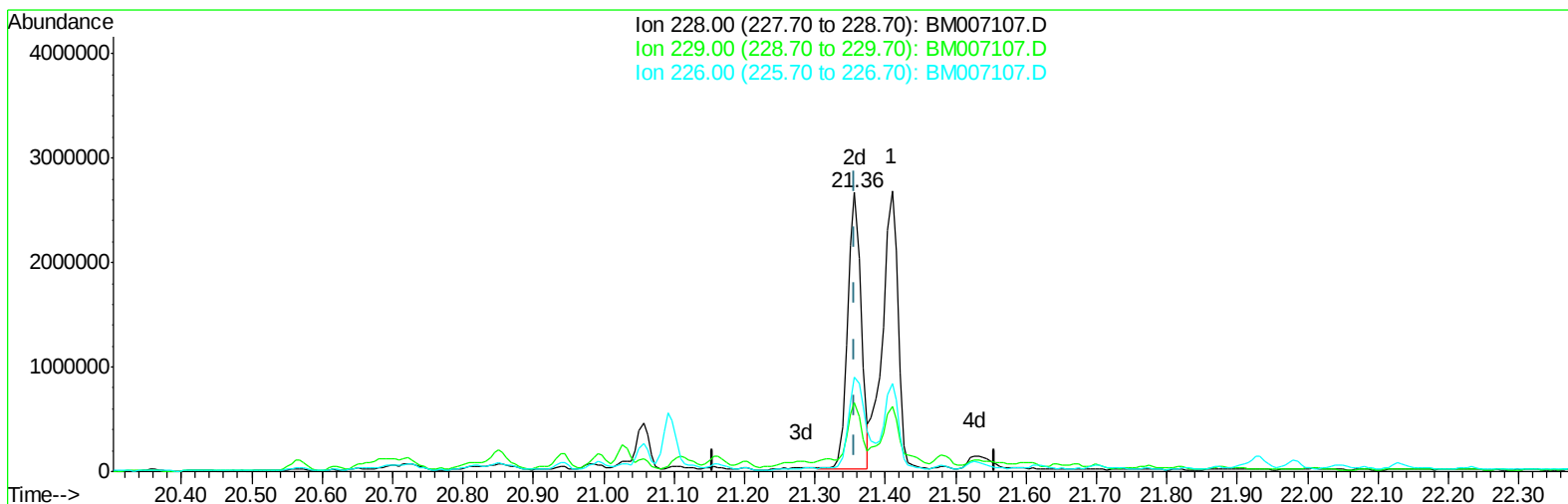
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
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Operator : UM/SJ
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TIC: BM007107.D

(80) Benzo(a)anthracene

21.356min (+0.000) 36.45ng/ul m

response 3498457

Ion	Exp%	Act%
228.00	100	100
229.00	19.50	24.56#
226.00	27.30	33.91#
0.00	0.00	0.00

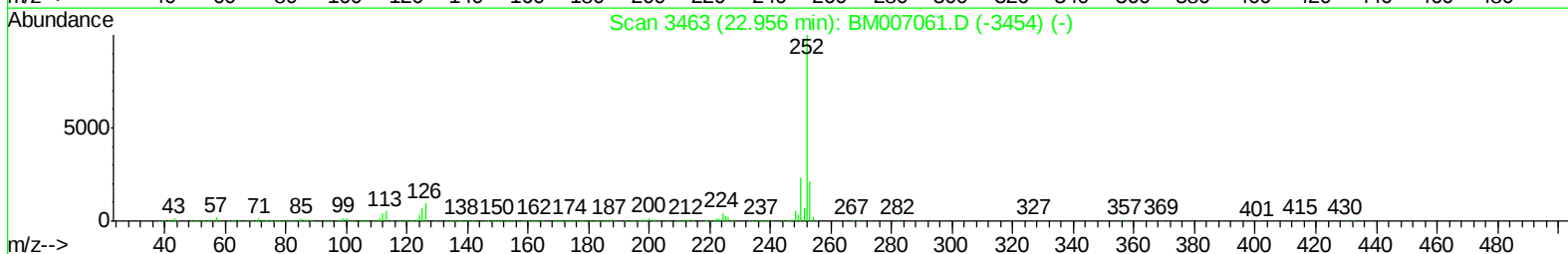
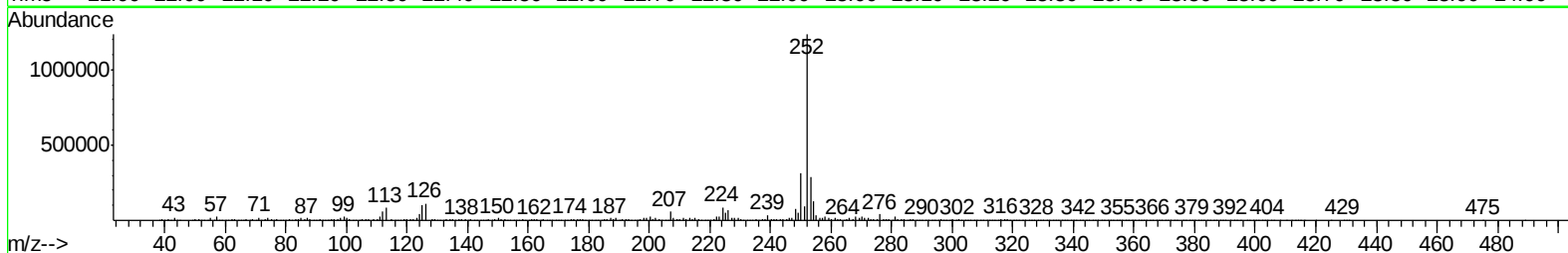
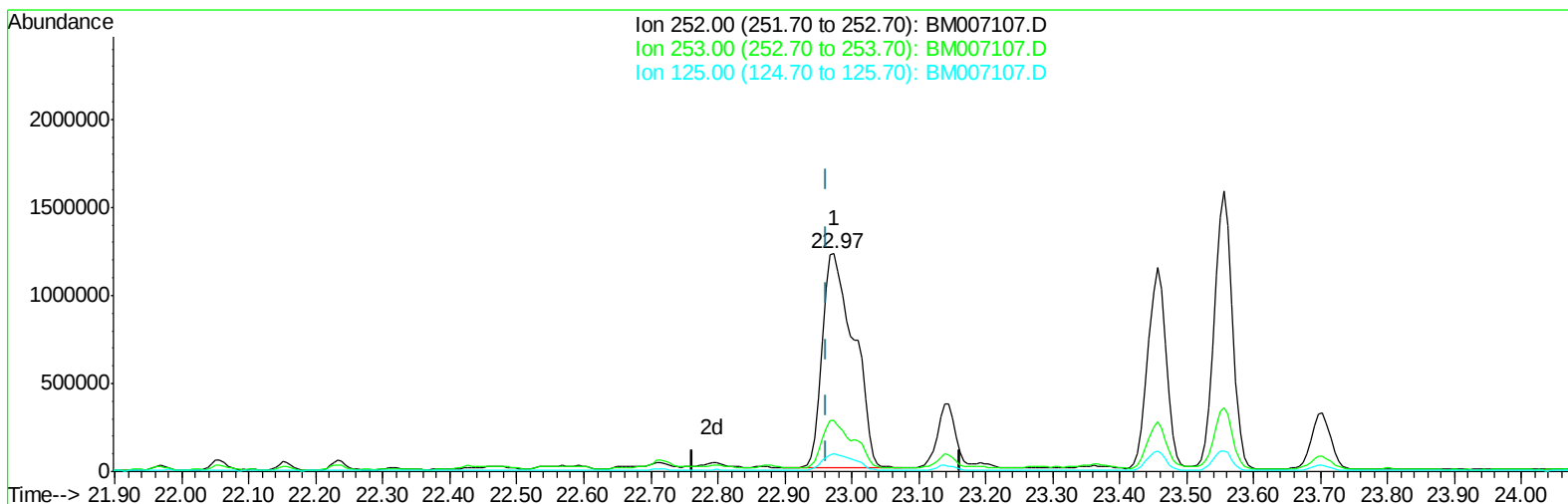
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007107.D
Acq On : 14 Aug 2016 14:40
Operator : UM/SJ
Sample : H4387-22MS
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PR002-SS001-1218-01MS

Quant Time: Aug 15 15:11:49 2016
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TIC: BM007107.D

(85) Benzo(b)fluoranthene

22.974min (+0.012) 36.18ng/ul

response 4009193

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	23.25
125.00	7.30	7.95
0.00	0.00	0.00

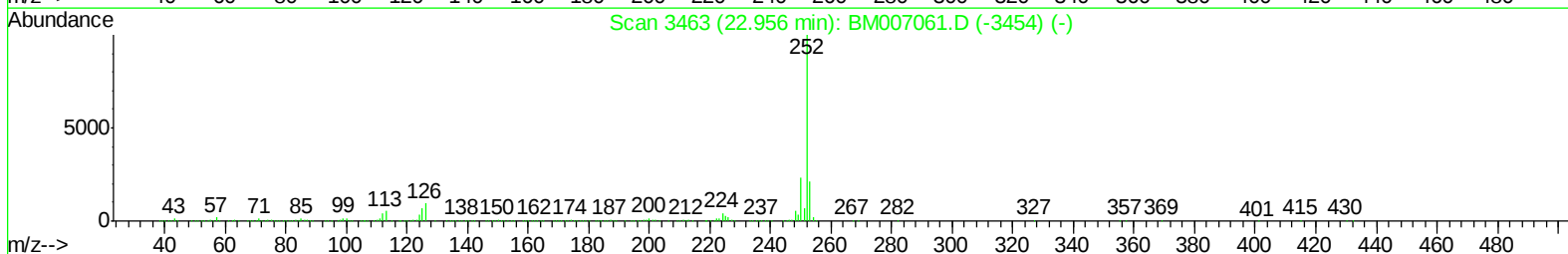
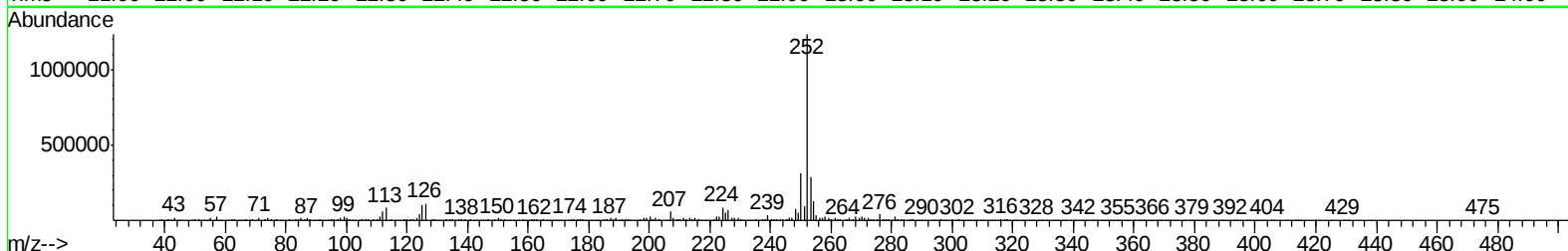
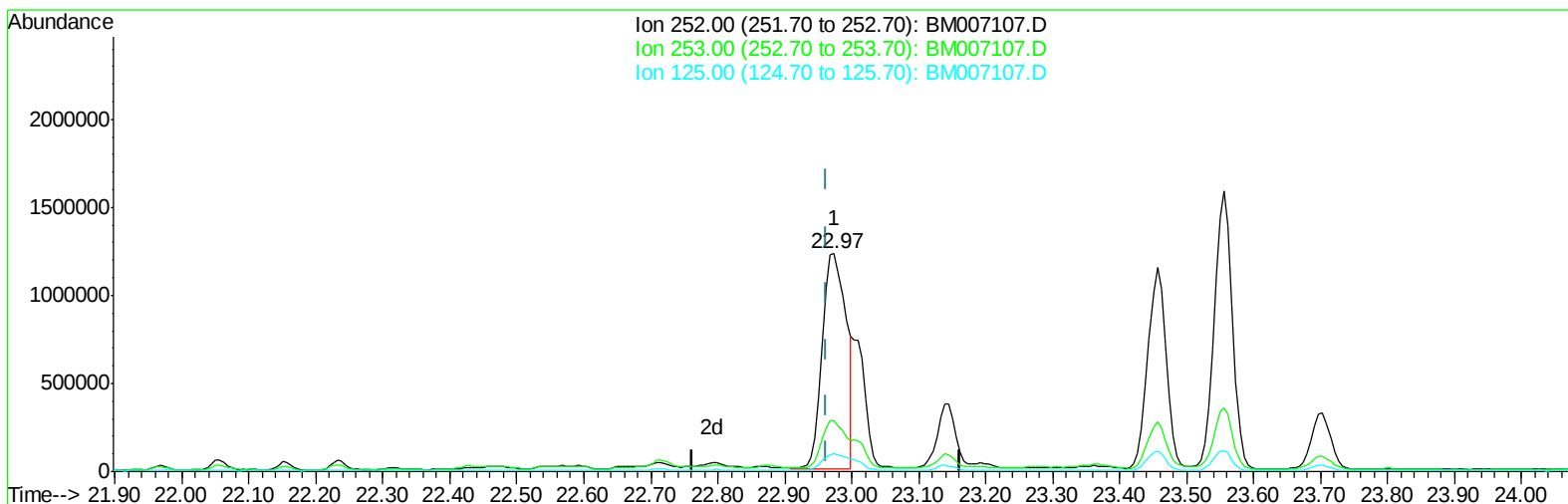
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007107.D
Acq On : 14 Aug 2016 14:40
Operator : UM/SJ
Sample : H4387-22MS
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PR002-SS001-1218-01MS

Manual Integrations
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Quant Time: Aug 15 15:11:49 2016
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Response via : Initial Calibration



TIC: BM007107.D

(85) Benzo(b)fluoranthene

22.974min (+0.012) 27.28ng/ul m

response 3022357

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	23.25
125.00	7.30	7.95
0.00	0.00	0.00

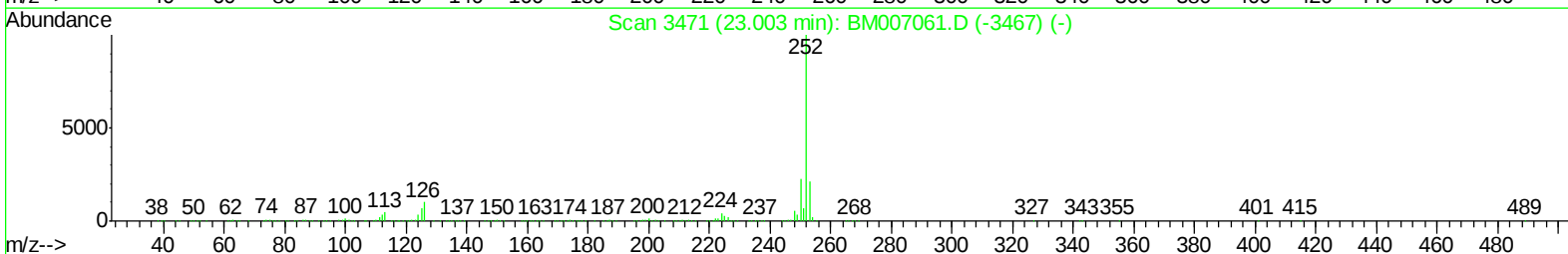
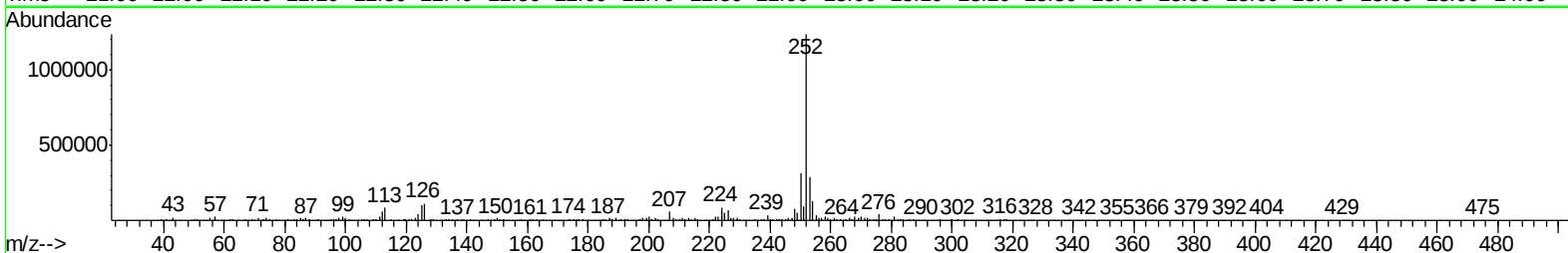
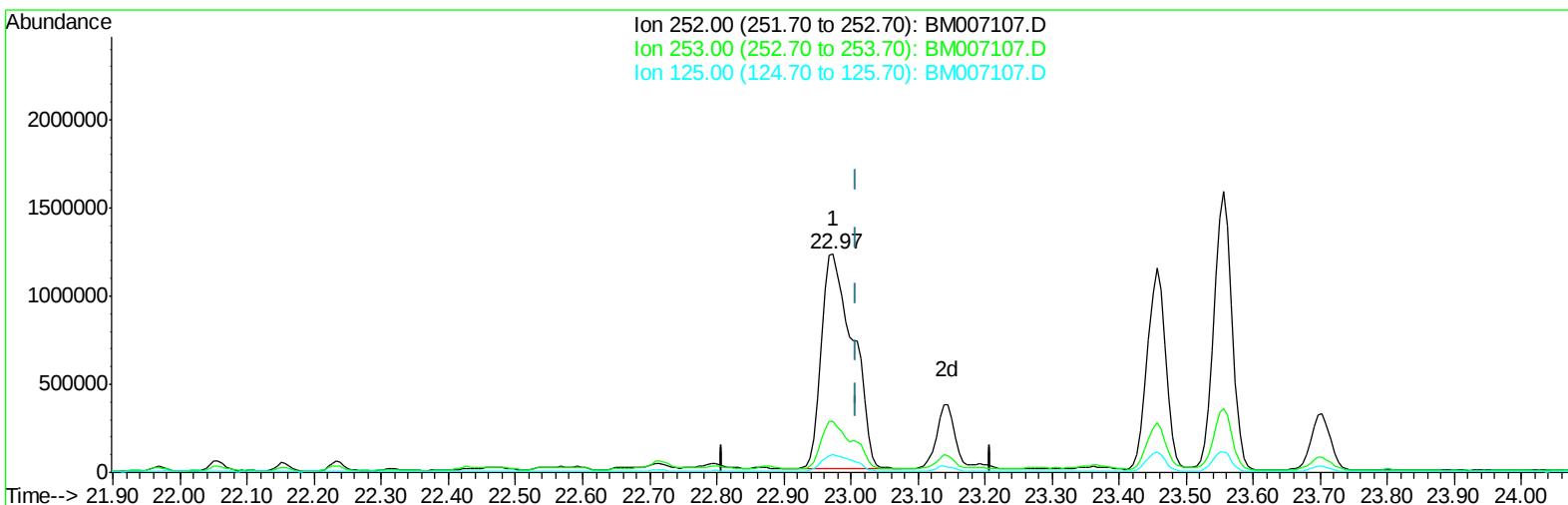
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007107.D
Acq On : 14 Aug 2016 14:40
Operator : UM/SJ
Sample : H4387-22MS
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PR002-SS001-1218-01MS

Manual Integrations
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QLast Update : Mon Aug 15 10:34:14 2016
Response via : Initial Calibration



TIC: BM007107.D

(86) Benzo(k)fluoranthene

22.974min (-0.035) 38.53ng/ul

response 4009193

Ion	Exp%	Act%
252.00	100	100
253.00	22.00	23.25
125.00	7.10	7.95
0.00	0.00	0.00

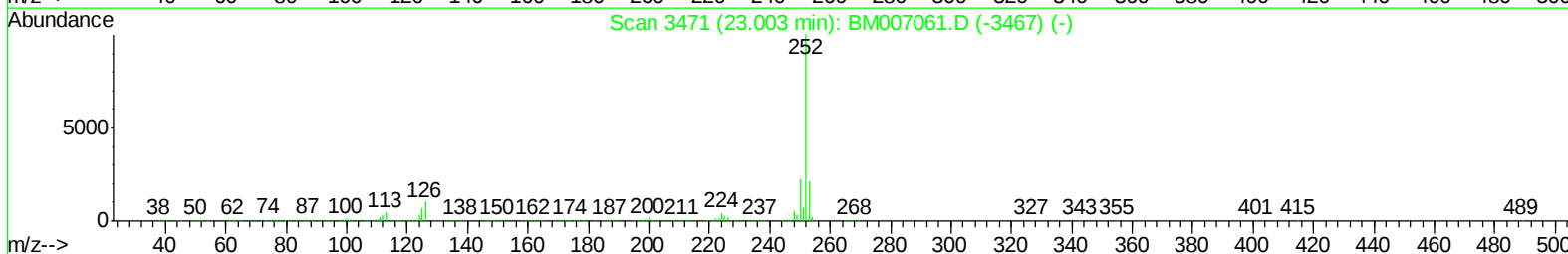
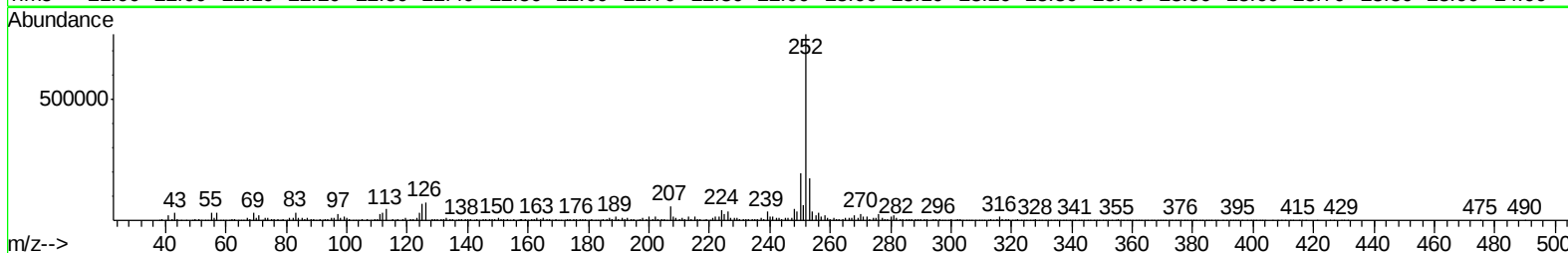
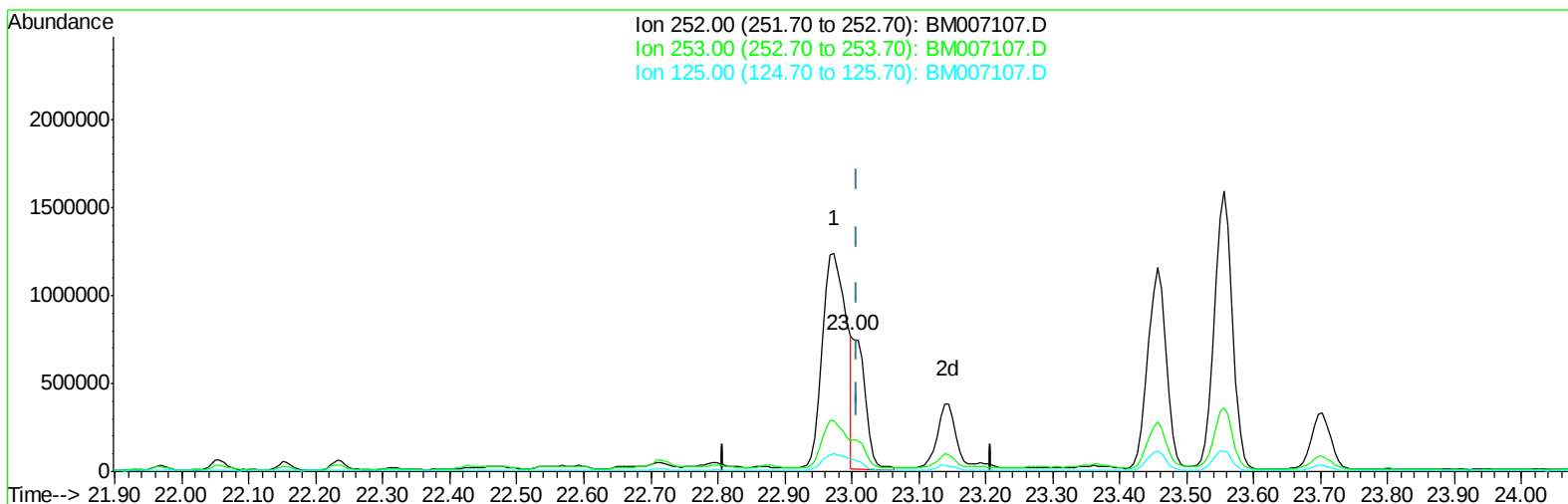
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007107.D
Acq On : 14 Aug 2016 14:40
Operator : UM/SJ
Sample : H4387-22MS
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
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TIC: BM007107.D

(86) Benzo(k)fluoranthene

22.997min (-0.012) 9.80ng/ul m

response 1019868

Ion	Exp%	Act%
252.00	100	100
253.00	22.00	22.94
125.00	7.10	9.20#
0.00	0.00	0.00

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 Data File : BM007107.D
 Acq On : 14 Aug 2016 14:40
 Operator : UM/SJ
 Sample : H4387-22MS
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PR002-SS001-1218-01MS

Manual Integrations
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Quant Time: Aug 15 15:14:27 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 15 10:34:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	279463	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1090536	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	621567	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	1399045	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	1624512	20.00	ng/ul	0.00
83) Perylene-d12	23.65	264	1839385	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.33	96	22682	3.55	ng/uL	0.00
5) Phenol-d5	6.97	99	442819	19.56	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	265273	20.44	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	374868	20.79	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	323713	17.38	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	178162	22.49	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	203258	24.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	371150	20.94	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	265227	12.58	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	1124455	21.89	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	1416094	22.96	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	150872	16.39	ng/ul	0.00
57) Fluorene-d10	15.43	176	996575	22.20	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	109827	14.21	ng/ul	0.00
70) Anthracene-d10	17.29	188	1532045	23.64	ng/ul	0.00
76) Pyrene-d10	19.58	212	1731974	25.26	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.51	264	1938169	23.04	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	7.00	94	516816	21.67	ng/ul	99
10) 2-Chlorophenol	7.37	128	383648	20.80	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.61	70	304223	20.38	ng/ul	96
28) Naphthalene	10.65	128	77730	1.44	ng/ul	99
33) 4-Chloro-3-methylphenol	11.87	107	413547	21.44	ng/ul	99
34) 2-Methylnaphthalene	12.26	142	93434	2.24	ng/ul	95
44) Dimethylphthalate	13.90	163	837784	16.32	ng/ul	99
47) Acenaphthylene	14.16	152	1171116	18.44	ng/ul	99
49) Acenaphthene	14.50	153	1009530	24.49	ng/ul	100
52) 4-Nitrophenol	14.64	109	160404	17.15	ng/ul	96
54) 2,4-Dinitrotoluene	14.80	165	344281	23.39	ng/ul#	99
58) Fluorene	15.49	166	337489	6.84	ng/ul#	94
68) Pentachlorophenol	16.83	266	226807	20.57	ng/ul	98
69) Phenanthrene	17.23	178	4494271	59.74	ng/ul	99
71) Anthracene	17.32	178	1056161	13.68	ng/ul	98
74) Fluoranthene	19.24	202	4929952	54.02	ng/ul	99
77) Pyrene	19.62	202	9941560	110.69	ng/ul	97
80) Benzo(a)anthracene	21.36	228	3498457m	36.45	ng/ul	
82) Chrysene	21.41	228	4100696	46.75	ng/ul	95
85) Benzo(b)fluoranthene	22.97	252	3022357m	27.28	ng/ul	
86) Benzo(k)fluoranthene	23.00	252	1019868m	9.80	ng/ul	
88) Benzo(a)pyrene	23.56	252	2998479	28.55	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	25.96	276	1717259	13.34	ng/ul	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	25.96	278	513523	4.75	ng/ul#	83
91) Benzo(g,h,i)perylene	26.66	276	1883701	17.31	ng/ul	98

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

