

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
 Data File : BM005243.D
 Acq On : 05 May 2016 20:15
 Operator : UM/SJ
 Sample : H2813-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC7M6

Quant Time: May 06 04:57:28 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 06 04:17:42 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	77814	20.00	ng/ul	0.00
18) Naphthalene-d8	10.57	136	377824	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.42	164	241980	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.16	188	588412	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	698389	20.00	ng/ul	0.00
83) Perylene-d12	23.64	264	695375	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	2316	1.40	ng/uL	0.00
5) Phenol-d5	6.95	99	40482	5.74	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.11	67	108667	26.99	ng/ul	0.00
9) 2-Chlorophenol-d4	7.31	132	115086	21.59	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	81405	13.96	ng/ul	0.00
19) Nitrobenzene-d5	8.93	128	76367	28.31	ng/ul	0.00
22) 2-Nitrophenol-d4	9.65	143	86889	28.45	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.19	165	143401	25.26	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	6040	0.88	ng/ul	0.01
43) Dimethylphthalate-d6	13.83	166	528387	27.24	ng/ul	0.00
46) Acenaphthylene-d8	14.11	160	627274	27.57	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	18198	5.14	ng/ul	0.00
57) Fluorene-d10	15.41	176	464650	27.74	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	84098	25.41	ng/ul	0.00
70) Anthracene-d10	17.26	188	730380	28.08	ng/ul	0.00
76) Pyrene-d10	19.56	212	861008	26.71	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.49	264	872046	28.33	ng/ul	0.00

Target Compounds

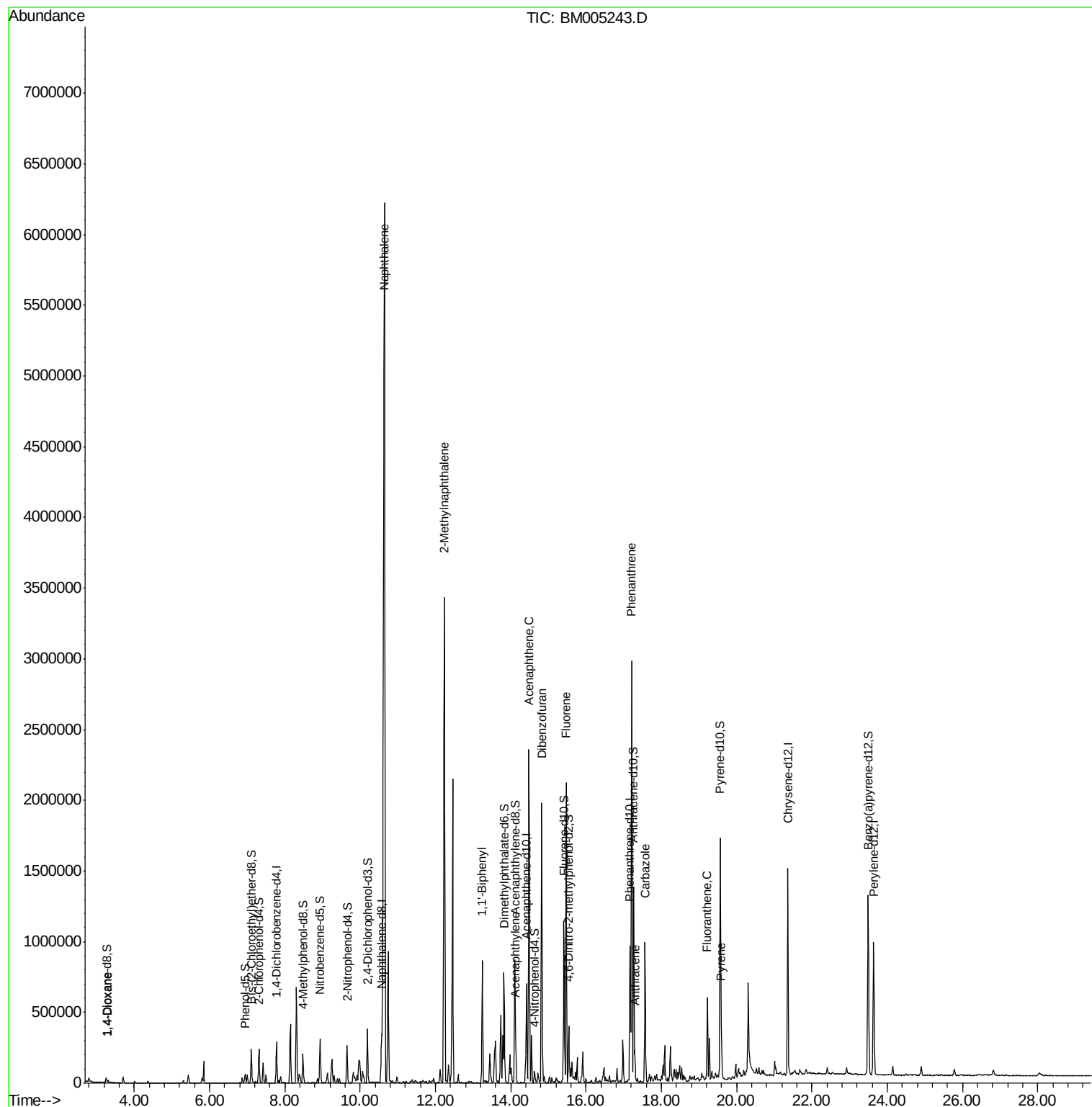
						Qvalue
2) 1,4-Dioxane	3.30	88	9337	3.09	ng/uL	98
28) Naphthalene	10.65	128	8322424	437.80	ng/ul	98
34) 2-Methylnaphthalene	12.23	142	1821741	128.13	ng/ul	100
40) 1,1'-Biphenyl	13.25	154	462921	24.15	ng/ul	99
47) Acenaphthylene	14.13	152	108465	4.51	ng/ul#	96
49) Acenaphthene	14.49	153	1025015	64.62	ng/ul	100
53) Dibenzofuran	14.82	168	1287732	55.95	ng/ul	98
58) Fluorene	15.47	166	967693	53.78	ng/ul	100
69) Phenanthrene	17.21	178	1875010	60.60	ng/ul	99
71) Anthracene	17.30	178	143208	4.64	ng/ul	99
72) Carbazole	17.57	167	629651	23.20	ng/ul	100
74) Fluoranthene	19.23	202	341262	9.96	ng/ul	98
77) Pyrene	19.59	202	204607	5.05	ng/ul	99

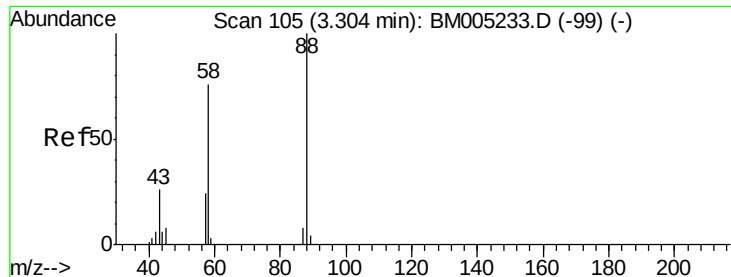
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 3.09 ng/uL

RT: 3.30 min Scan# 105

Delta R.T. 0.00 min

Lab File: BM005243.D

Acq: 05 May 2016 20:15

Instrument :

BNA_M

ClientSampleId :

BC7M6

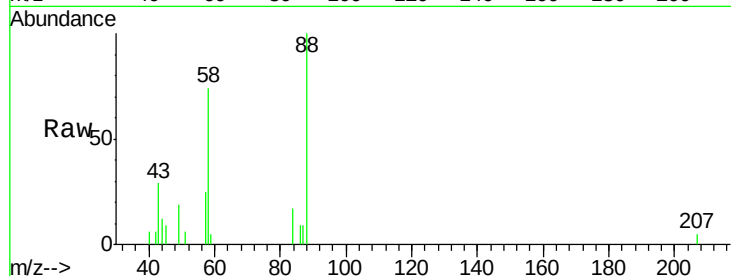
Tgt Ion: 88 Resp: 9337

Ion Ratio Lower Upper

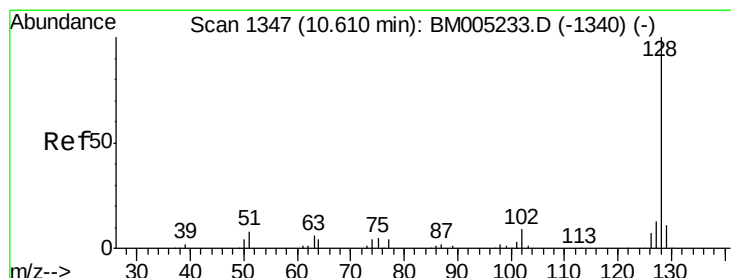
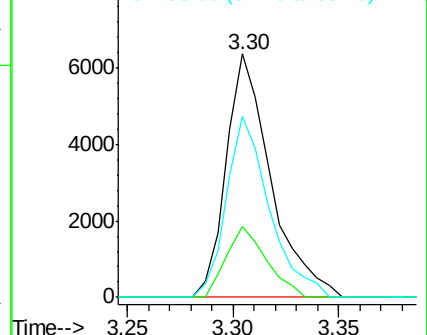
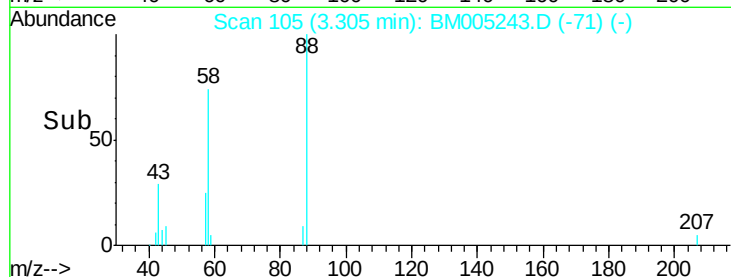
88 100

43 26.1 19.3 28.9

58 71.4 57.9 86.9



Abundance Ion 88.00 (87.70 to 88.70): BM005243.D (-71) (-)



#28

Naphthalene

Concen: 437.80 ng/uL

RT: 10.65 min Scan# 1353

Delta R.T. 0.04 min

Lab File: BM005243.D

Acq: 05 May 2016 20:15

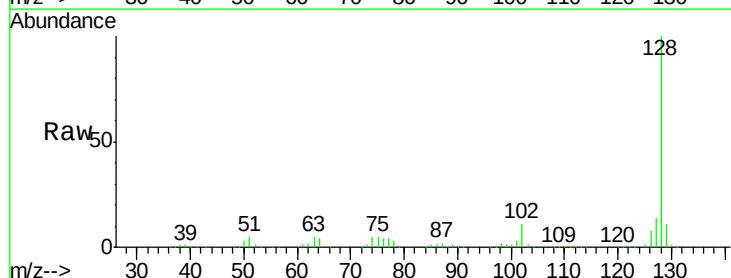
Tgt Ion: 128 Resp: 8322424

Ion Ratio Lower Upper

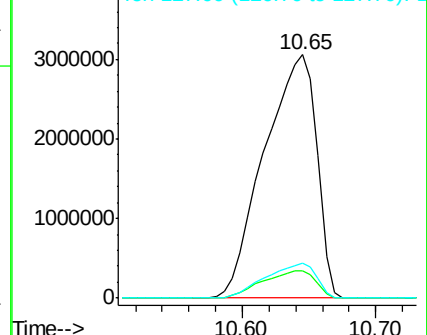
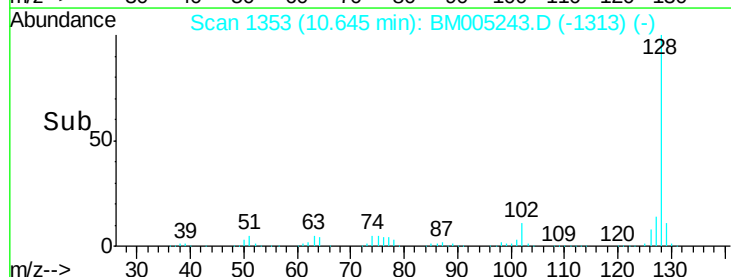
128 100

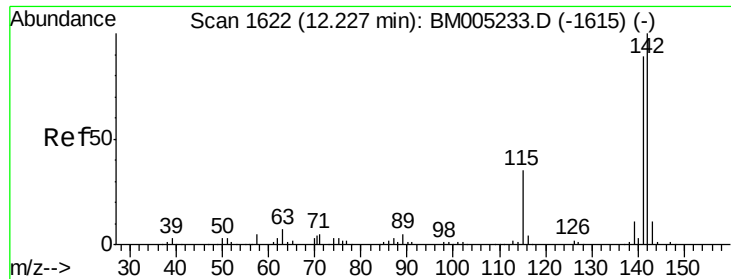
129 11.2 8.4 12.6

127 14.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): BM005243.D (-1313) (-)

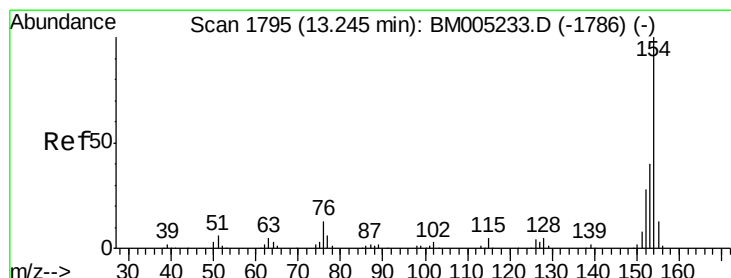
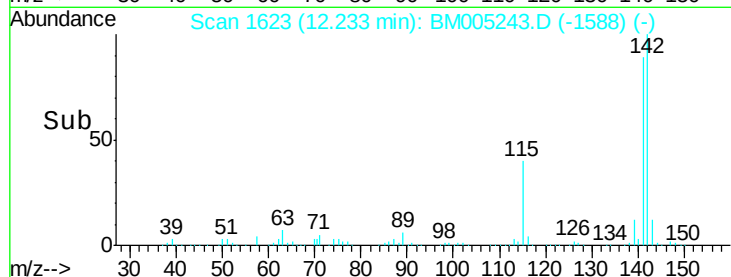
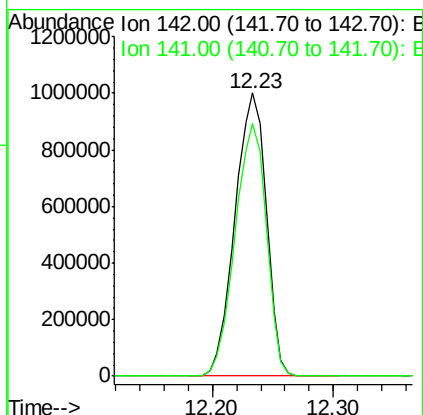
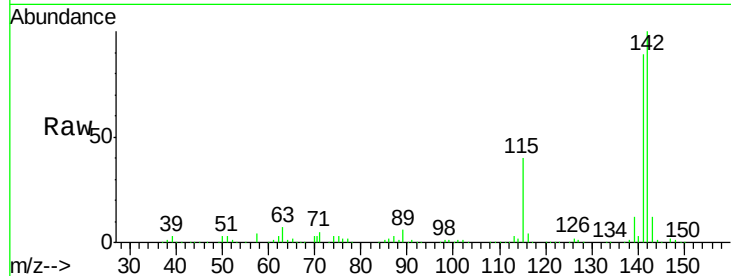




#34
 2-Methylnaphthalene
 Concen: 128.13 ng/ul
 RT: 12.23 min Scan# 1623
 Delta R.T. 0.01 min
 Lab File: BM005243.D
 Acq: 05 May 2016 20:15

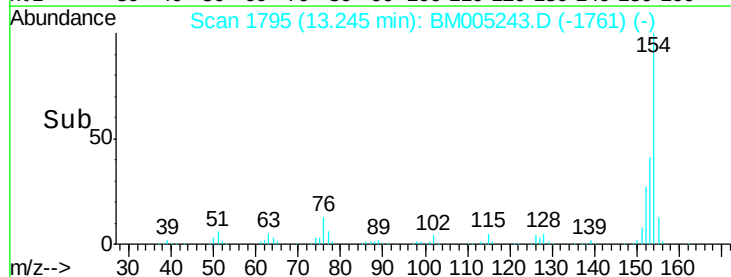
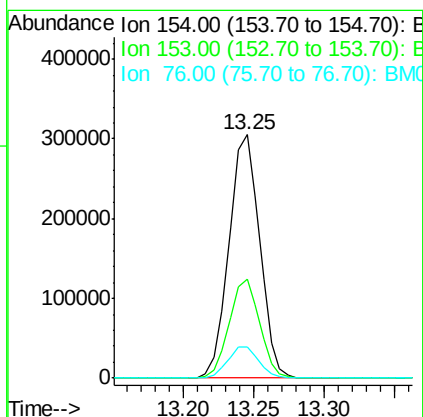
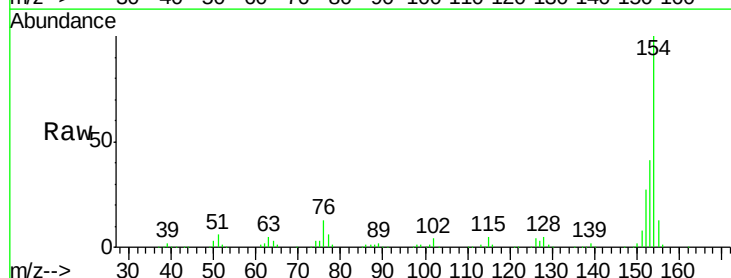
Instrument :
 BNA_M
 ClientSampleId :
 BC7M6

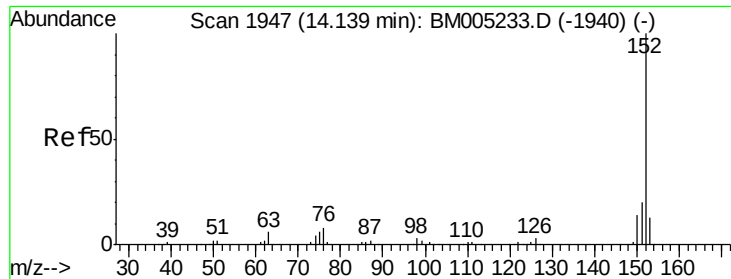
Tgt Ion:142 Resp: 1821741
 Ion Ratio Lower Upper
 142 100
 141 89.1 71.3 106.9



#40
 1,1'-Biphenyl
 Concen: 24.15 ng/ul
 RT: 13.25 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: BM005243.D
 Acq: 05 May 2016 20:15

Tgt Ion:154 Resp: 462921
 Ion Ratio Lower Upper
 154 100
 153 40.5 32.1 48.1
 76 12.6 10.6 15.8





#47

Acenaphthylene

Concen: 4.51 ng/ul

RT: 14.13 min Scan# 1946

Delta R.T. -0.01 min

Lab File: BM005243.D

Acq: 05 May 2016 20:15

Instrument :

BNA_M

ClientSampleId :

BC7M6

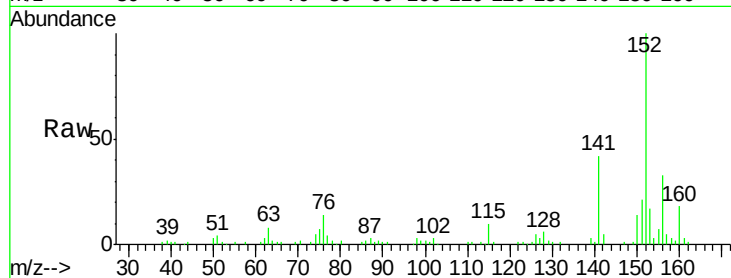
Tgt Ion:152 Resp: 108465

Ion Ratio Lower Upper

152 100

151 20.5 16.0 24.0

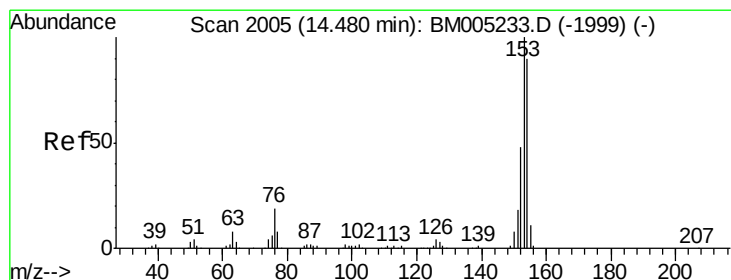
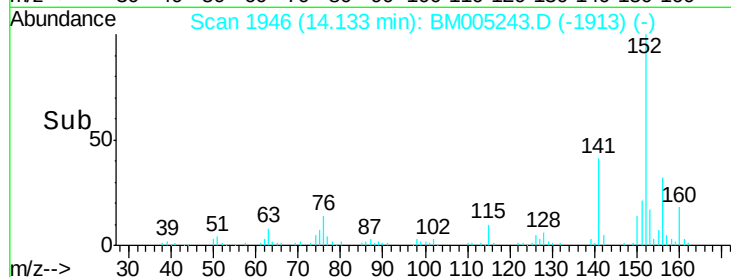
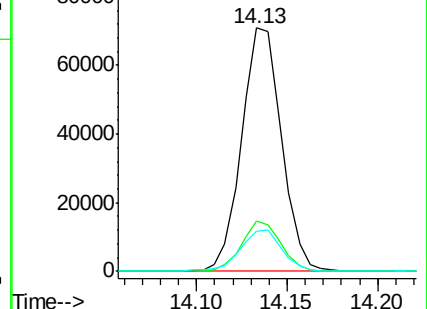
153 16.5 10.3 15.5#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 64.62 ng/ul

RT: 14.49 min Scan# 2006

Delta R.T. 0.01 min

Lab File: BM005243.D

Acq: 05 May 2016 20:15

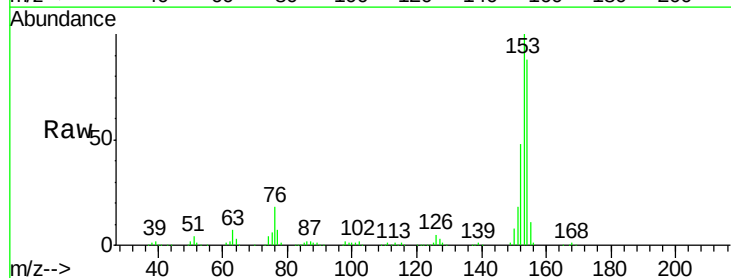
Tgt Ion:153 Resp: 1025015

Ion Ratio Lower Upper

153 100

152 48.0 38.9 58.3

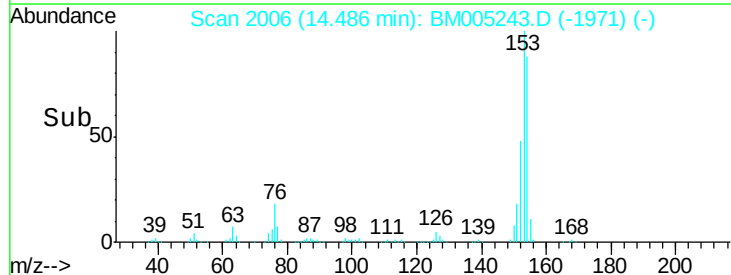
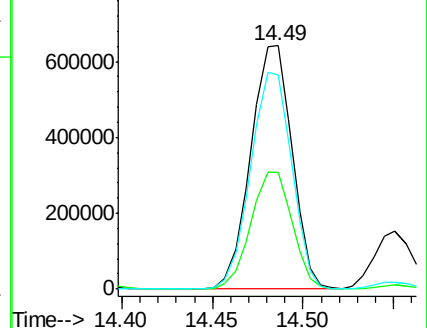
154 88.0 70.3 105.5

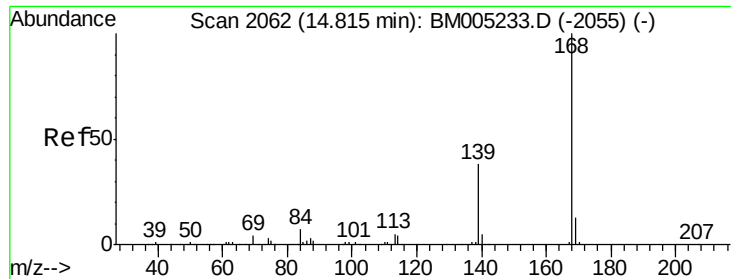


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

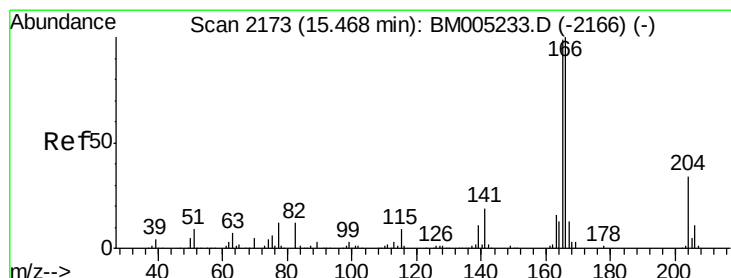
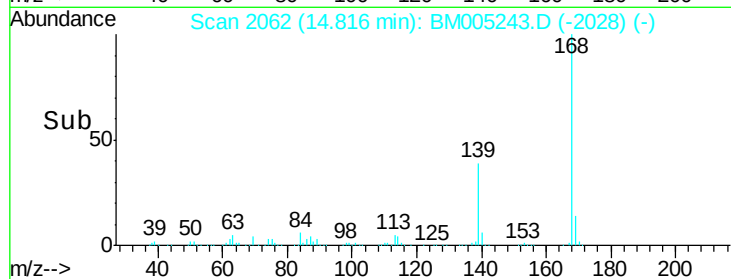
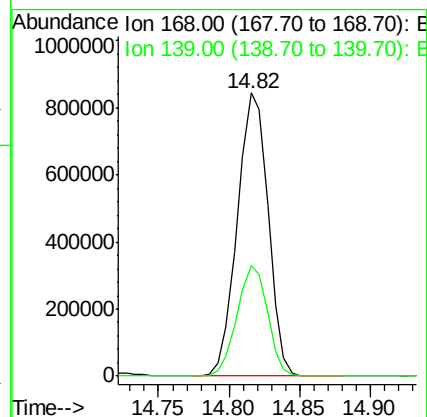
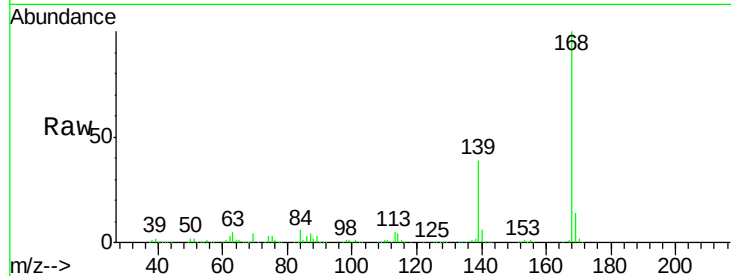




#53
Dibenzenofuran
Concen: 55.95 ng/ul
RT: 14.82 min Scan# 2062
Delta R.T. 0.00 min
Lab File: BM005243.D
Acq: 05 May 2016 20:15

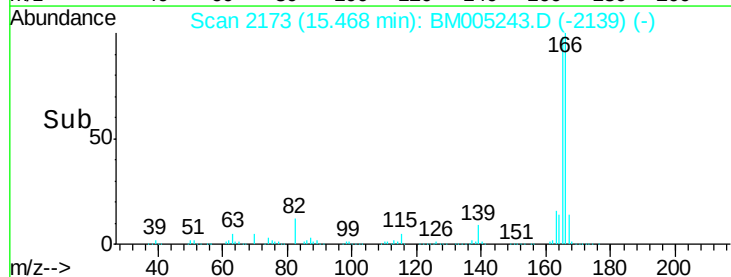
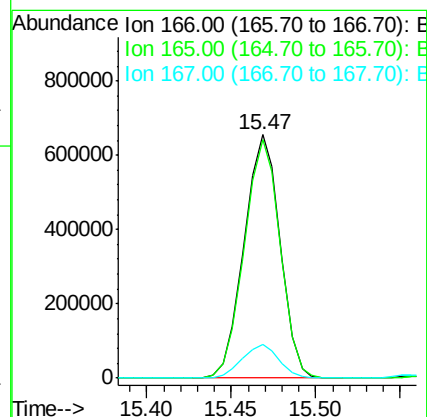
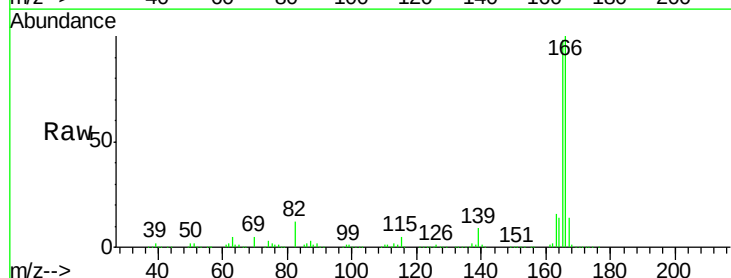
Instrument :
BNA_M
ClientSampleId :
BC7M6

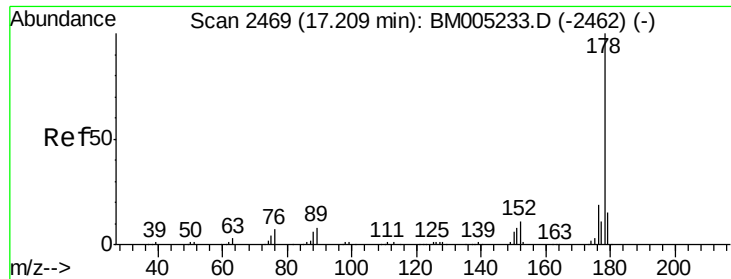
Tgt Ion:168 Resp: 1287732
Ion Ratio Lower Upper
168 100
139 39.2 30.3 45.5



#58
Fluorene
Concen: 53.78 ng/ul
RT: 15.47 min Scan# 2173
Delta R.T. 0.00 min
Lab File: BM005243.D
Acq: 05 May 2016 20:15

Tgt Ion:166 Resp: 967693
Ion Ratio Lower Upper
166 100
165 97.7 77.9 116.9
167 13.6 10.6 16.0





#69

Phenanthrene

Concen: 60.60 ng/ul

RT: 17.21 min Scan# 2469

Delta R.T. 0.00 min

Lab File: BM005243.D

Acq: 05 May 2016 20:15

Instrument :

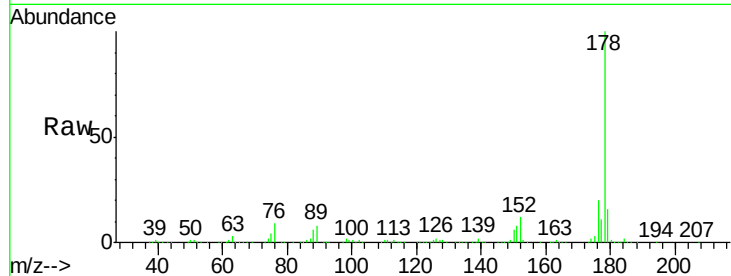
BNA_M

ClientSampleId :

BC7M6

Tgt Ion:178 Resp: 1875010

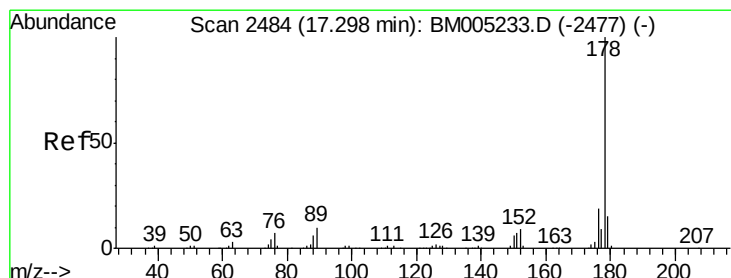
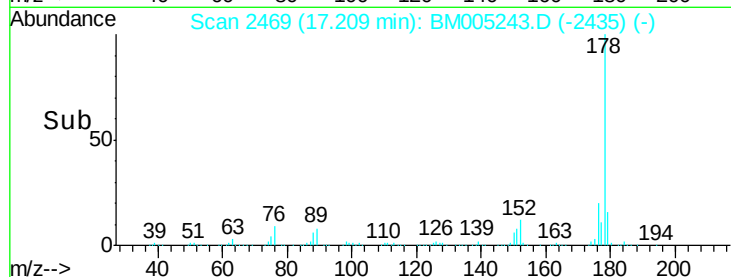
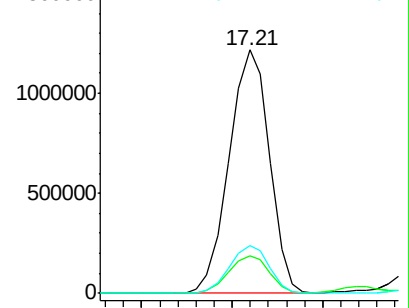
Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.3	18.5
176	19.8	15.2	22.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 4.64 ng/ul

RT: 17.30 min Scan# 2484

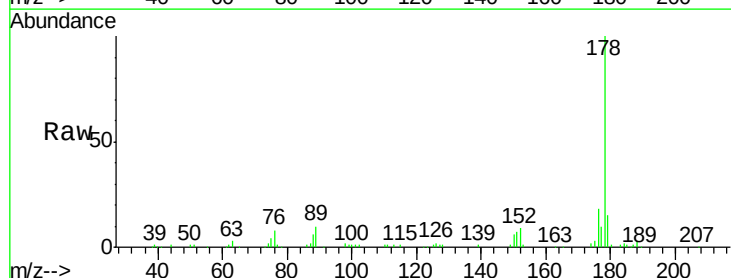
Delta R.T. 0.00 min

Lab File: BM005243.D

Acq: 05 May 2016 20:15

Tgt Ion:178 Resp: 143208

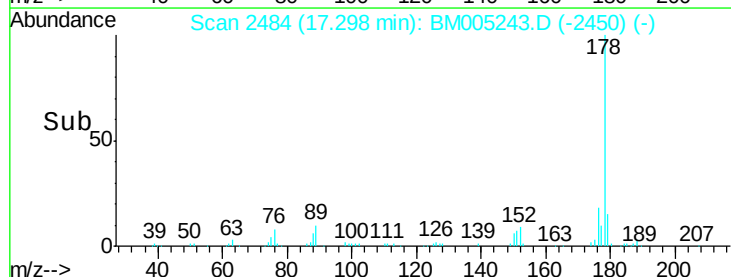
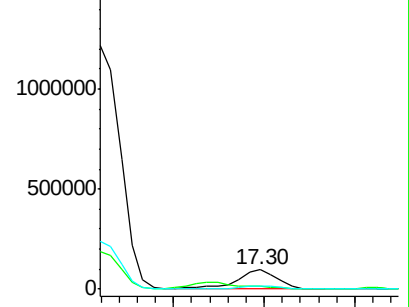
Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6
176	18.5	15.1	22.7

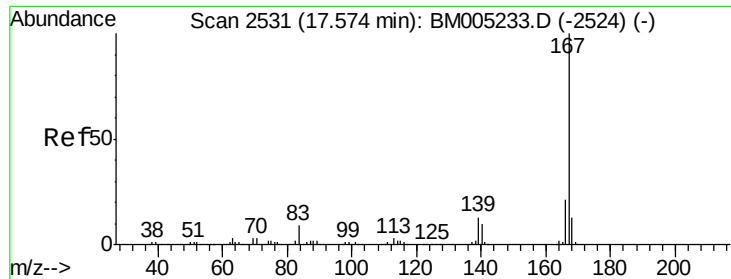


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 23.20 ng/ul

RT: 17.57 min Scan# 2530

Delta R.T. -0.01 min

Lab File: BM005243.D

Acq: 05 May 2016 20:15

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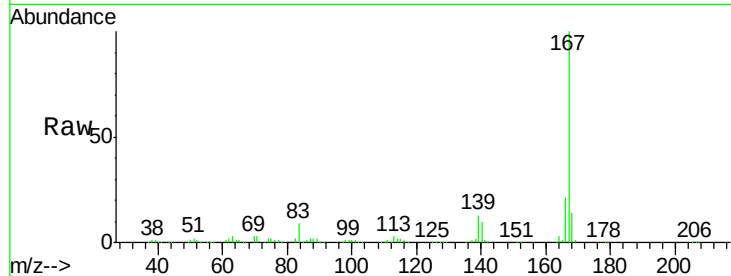
Tgt Ion:167 Resp: 629651

Ion Ratio Lower Upper

167 100

166 21.3 17.1 25.7

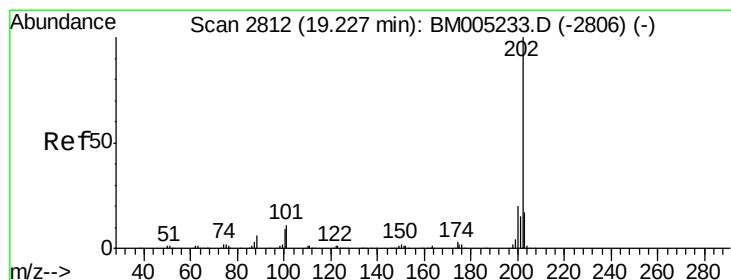
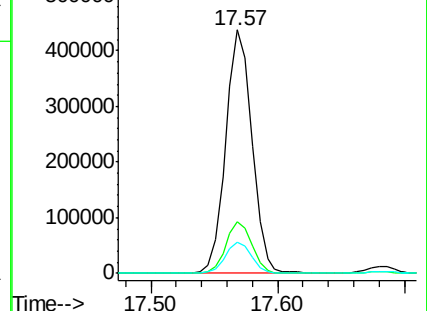
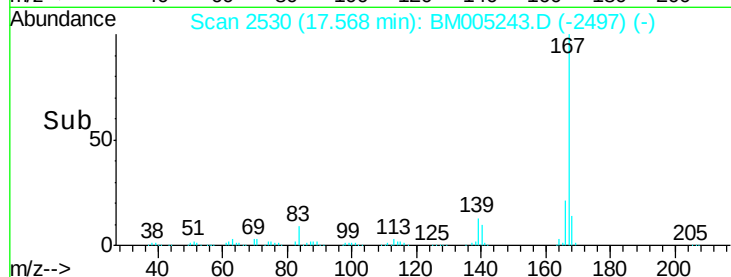
139 13.0 10.2 15.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 9.96 ng/ul

RT: 19.23 min Scan# 2812

Delta R.T. 0.00 min

Lab File: BM005243.D

Acq: 05 May 2016 20:15

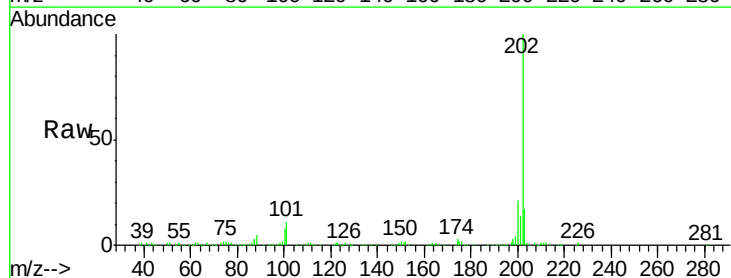
Tgt Ion:202 Resp: 341262

Ion Ratio Lower Upper

202 100

101 10.6 9.2 13.8

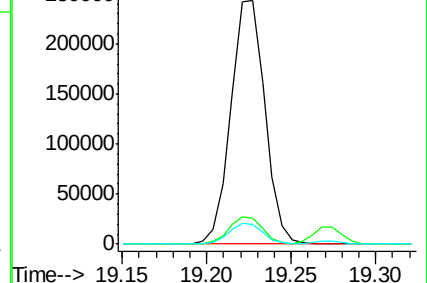
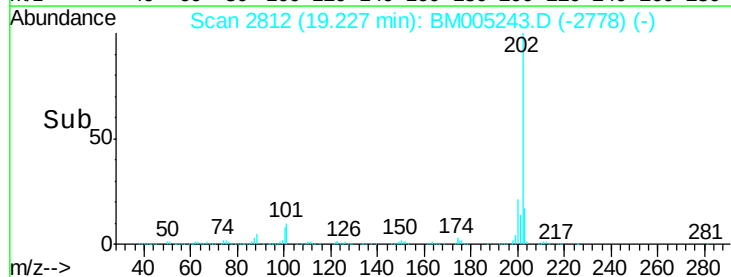
100 8.1 7.1 10.7

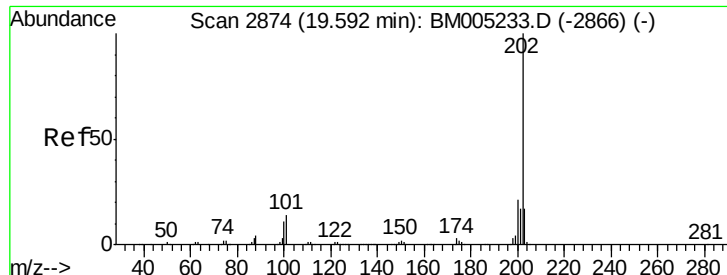


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 5.05 ng/ul

RT: 19.59 min Scan# 2874

Delta R.T. 0.00 min

Lab File: BM005243.D

Acq: 05 May 2016 20:15

Instrument :

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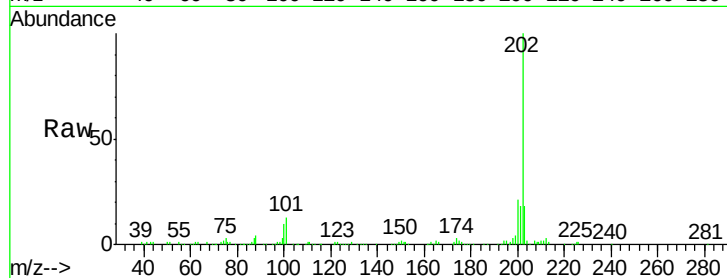
Tgt Ion:202 Resp: 204607

Ion Ratio Lower Upper

202 100

101 13.1 10.8 16.2

100 10.0 8.4 12.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

