

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070517\
 Data File : BG027852.D
 Acq On : 5 Jul 2017 17:51
 Operator : SJ/JU
 Sample : I4035-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 06 00:58:58 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 19:26:37 2017
 Response via : Initial Calibration

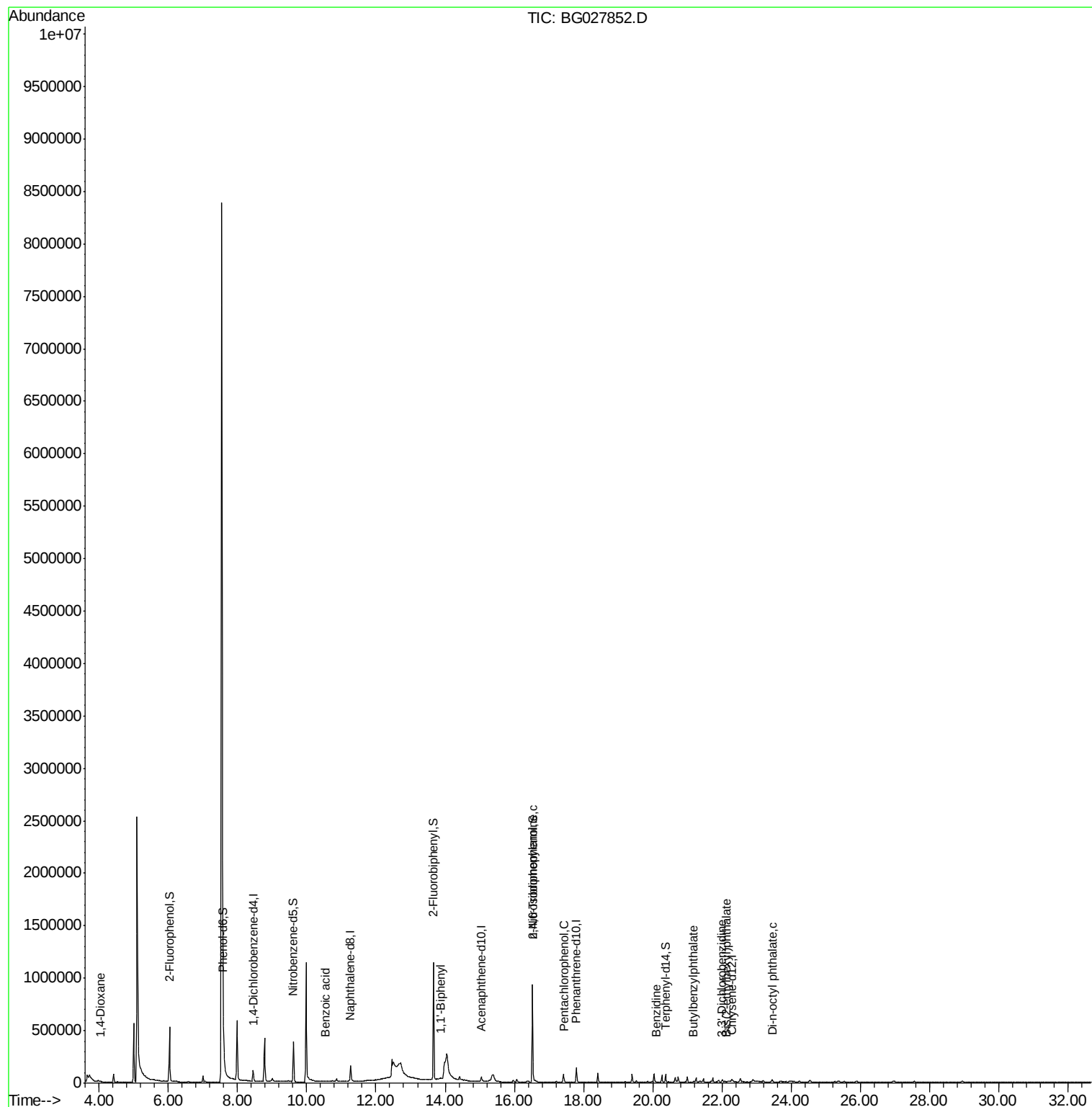
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	30164	20.00	ng	-0.02
21) Naphthalene-d8	11.27	136	126230	20.00	ng	-0.02
38) Acenaphthene-d10	15.04	164	11296	20.00	ng	-0.02
63) Phenanthrene-d10	17.79	188	55906	20.00	ng	-0.02
75) Chrysene-d12	22.27	240	57	20.00	ng	0.10
86) Perylene-d12	0.00	264	0	0.00	ng	-25.79
System Monitoring Compounds						
5) 2-Fluorophenol	6.03	112	230645	117.75	ng	-0.02
7) Phenol-d6	7.60	99	73896	24.69	ng	-0.02
23) Nitrobenzene-d5	9.62	82	239616	105.81	ng	-0.02
41) 2,4,6-Tribromophenol	16.53	330	201985	1303.66	ng	-0.02
44) 2-Fluorobiphenyl	13.66	172	577120	729.66	ng	-0.02
78) Terphenyl-d14	20.36	244	6829	2808.72	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	4.03	88	1860	2.55	ng	# 73
32) Benzoic acid	10.53	122	129	8.95	ng	# 41
45) 1,1'-Biphenyl	13.88	154	2272	2.51	ng	# 75
65) n-Nitrosodiphenylamine	16.53	169	6334	3.48	ng	# 49
69) Pentachlorophenol	17.43	266	87	6.37	ng	# 5
76) Benzidine	20.11	184	69	50.66	ng	# 64
79) Butylbenzylphthalate	21.17	149	56	34.76	ng	# 19
81) 3,3'-Dichlorobenzidine	21.98	252	131	104.74	ng	# 24
83) Bis(2-ethylhexyl)phthalate	22.12	149	187	79.43	ng	# 51
84) Di-n-octyl phthalate	23.45	149	323	83.04	ng	# 31

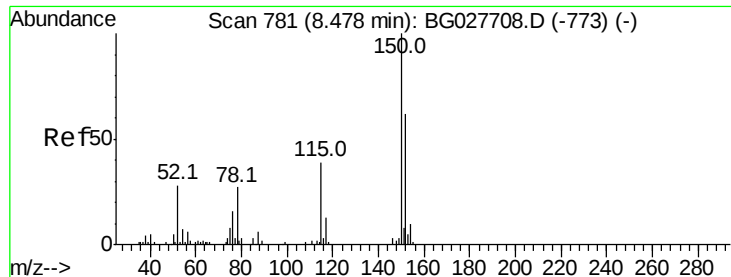
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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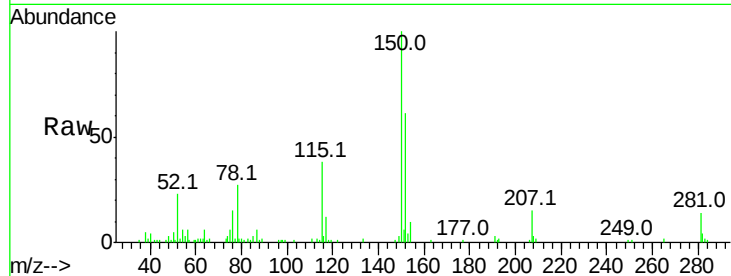


#1

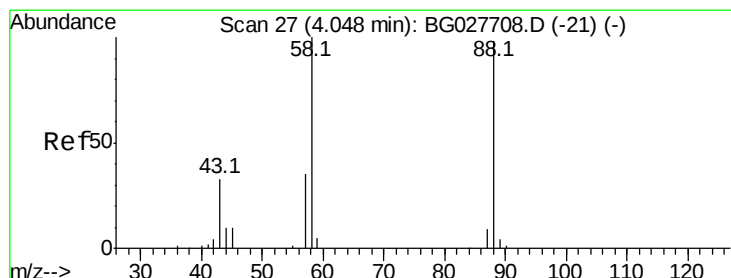
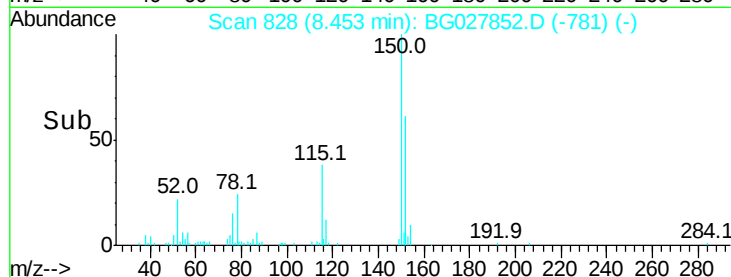
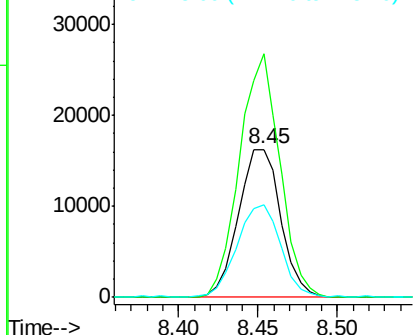
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.45 min Scan# 828
Delta R.T. -0.02 min
Lab File: BG027852.D
Acq: 5 Jul 2017 17:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 30164
Ion Ratio Lower Upper
152 100
150 164.6 114.0 171.0
115 62.8 48.1 72.1



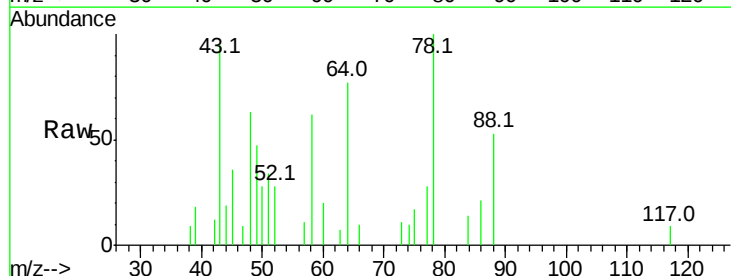
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



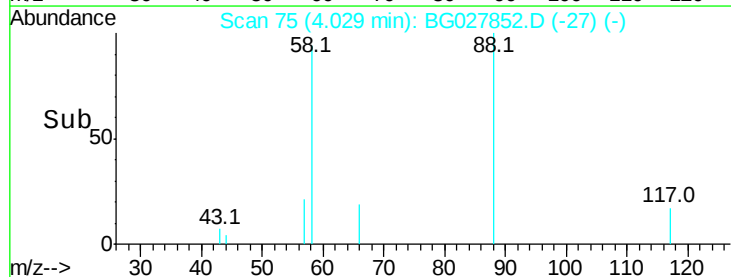
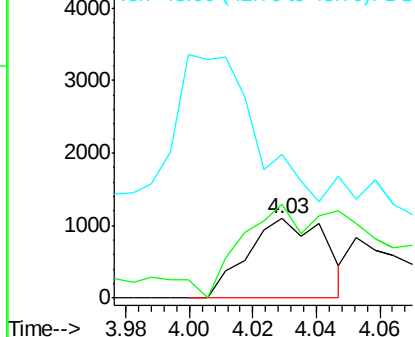
#2

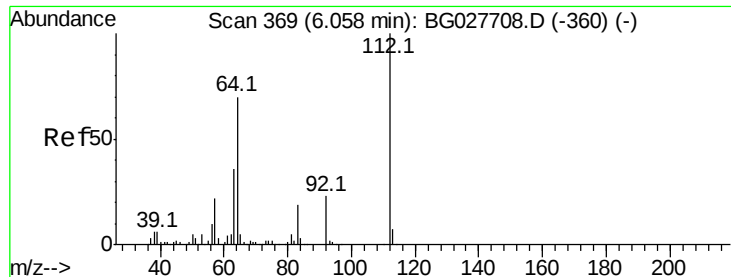
1,4-Dioxane
Concen: 2.55 ng
RT: 4.03 min Scan# 75
Delta R.T. -0.02 min
Lab File: BG027852.D
Acq: 5 Jul 2017 17:51

Tgt Ion: 88 Resp: 1860
Ion Ratio Lower Upper
88 100
58 89.4 79.4 119.2
43 0.0 33.8 50.6#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 117.75 ng

RT: 6.03 min Scan# 416

Delta R.T. -0.02 min

Lab File: BG027852.D

Acq: 5 Jul 2017 17:51

Instrument :

BNA_G

ClientSampleId :

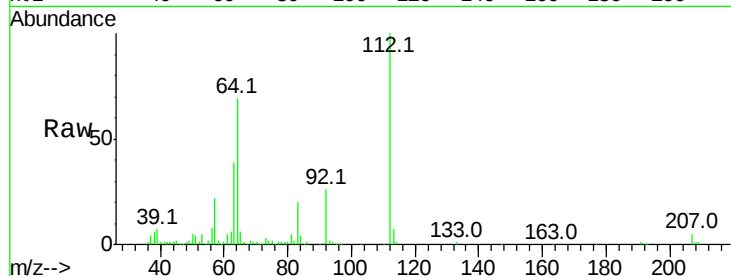
Tot Ion:112 Resp: 230645

Ion Ratio Lower Upper

112 100

64 68.5 61.8 92.6

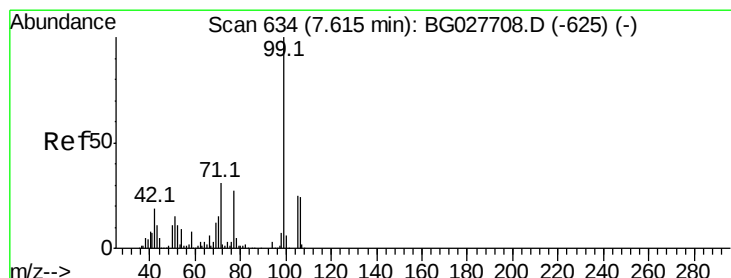
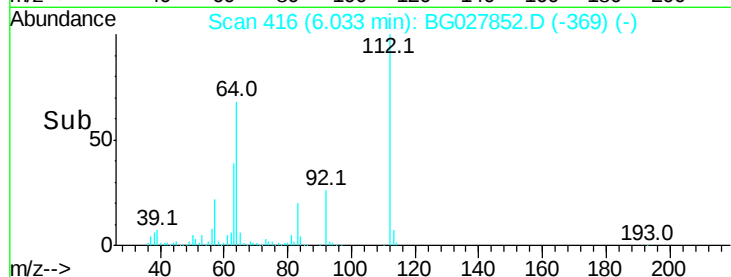
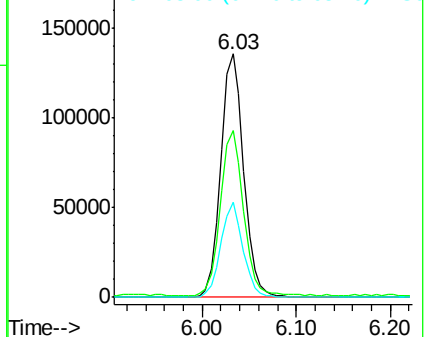
63 38.8 37.2 55.8



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 24.69 ng

RT: 7.60 min Scan# 682

Delta R.T. -0.02 min

Lab File: BG027852.D

Acq: 5 Jul 2017 17:51

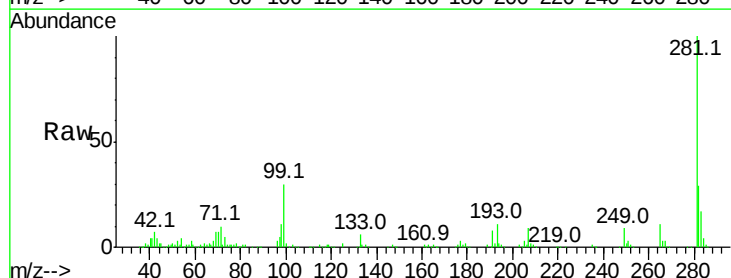
Tgt Ion: 99 Resp: 73896

Ion Ratio Lower Upper

99 100

42 23.8 20.5 30.7

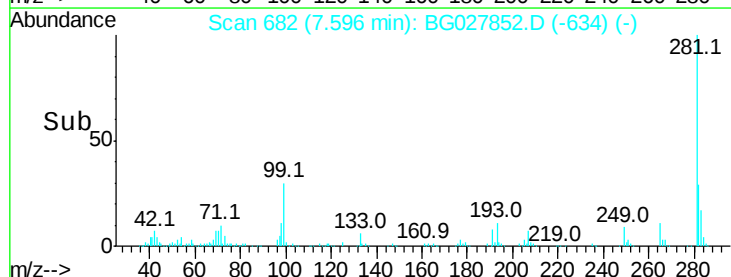
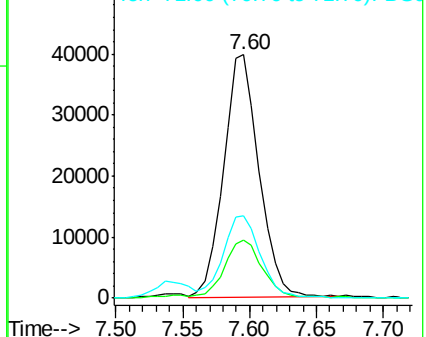
71 34.0 37.6 56.4#

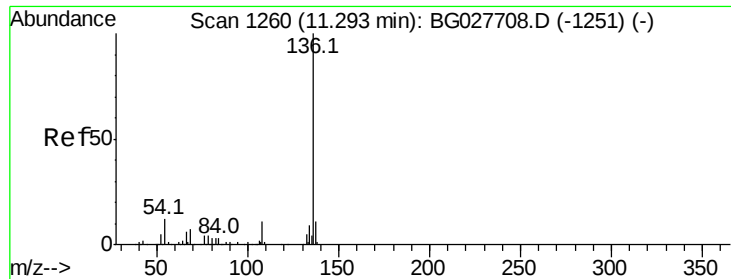


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

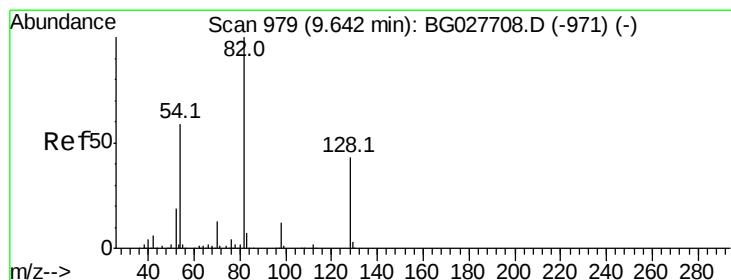
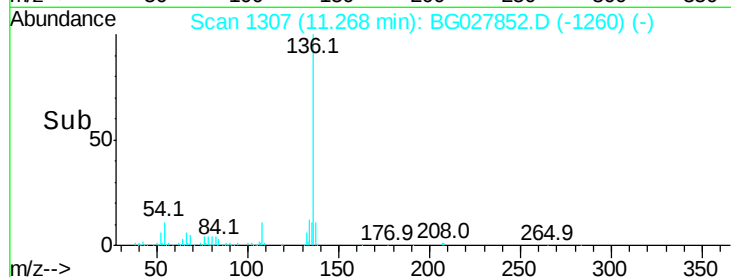
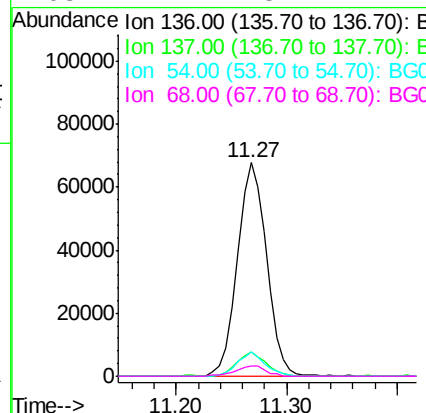
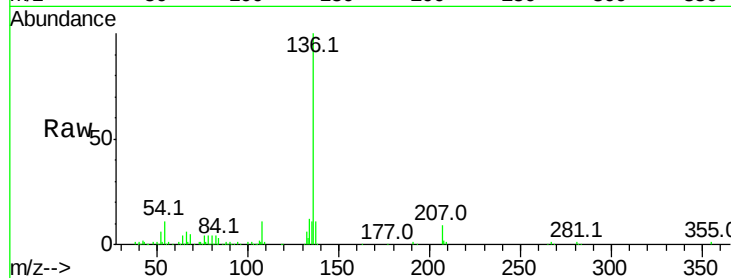




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.27 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BG027852.D
Acq: 5 Jul 2017 17:51

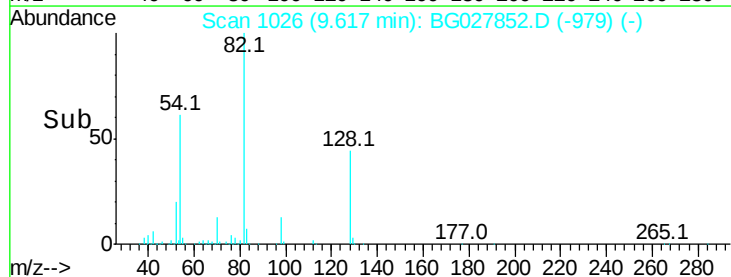
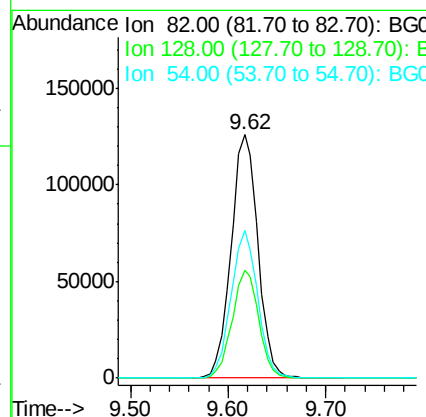
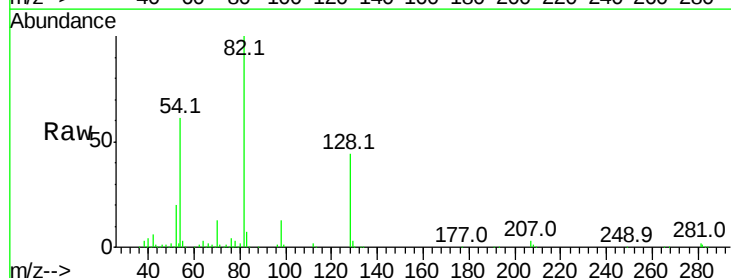
Instrument :
BNA_G
ClientSampled :

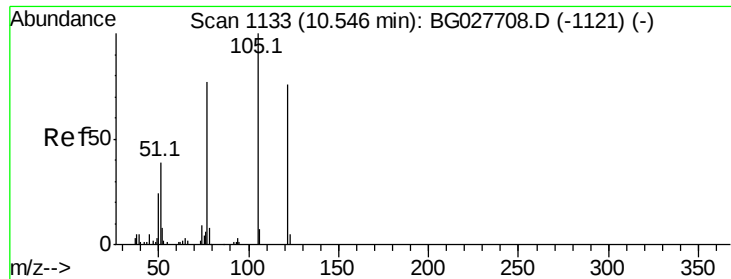
Tot Ion:	136	Resp:	126230
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	11.4	9.3	13.9
68	4.7	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 105.81 ng
RT: 9.62 min Scan# 1026
Delta R.T. -0.02 min
Lab File: BG027852.D
Acq: 5 Jul 2017 17:51

Tgt Ion:	82	Resp:	239616
Ion	Ratio	Lower	Upper
82	100		
128	44.1	26.4	39.6#
54	60.9	49.4	74.2

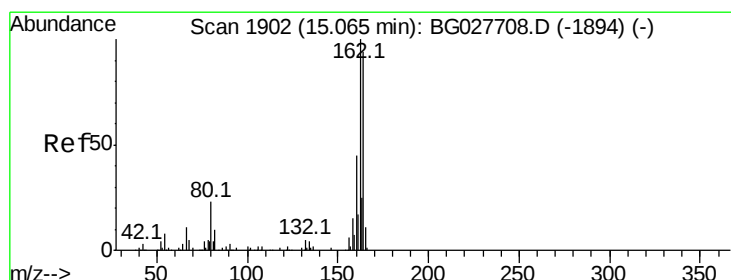
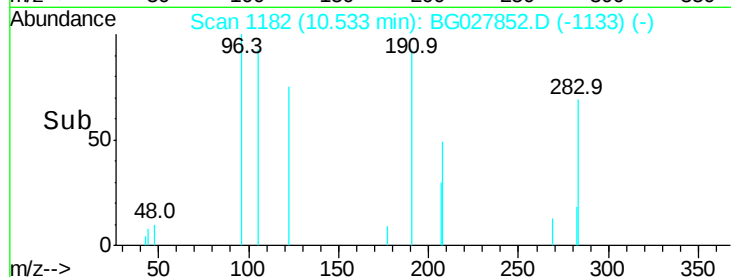
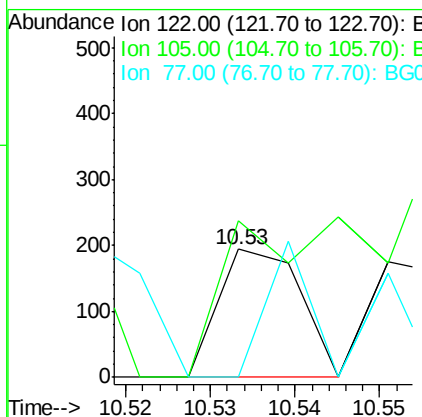
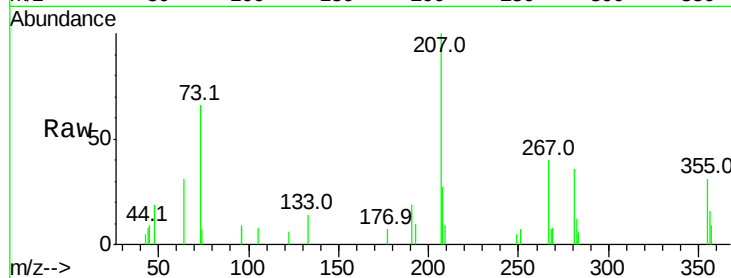




#32
Benzoic acid
Concen: 8.95 ng
RT: 10.53 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BG027852.D
Acq: 5 Jul 2017 17:51

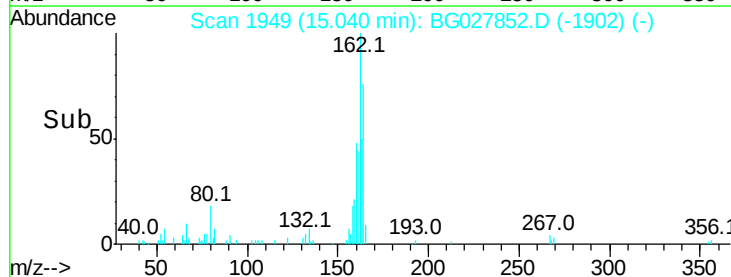
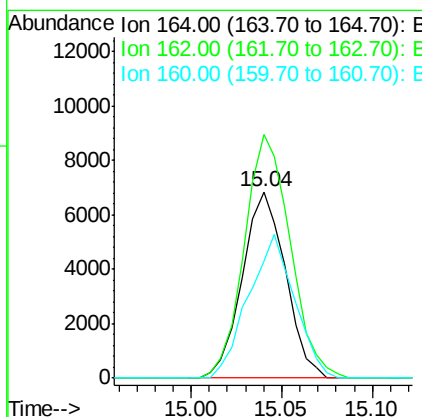
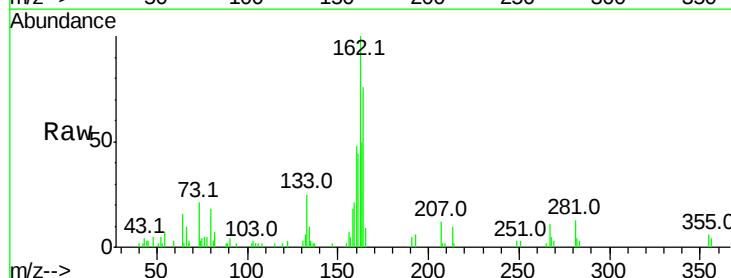
Instrument :
BNA_G
ClientSampleId :

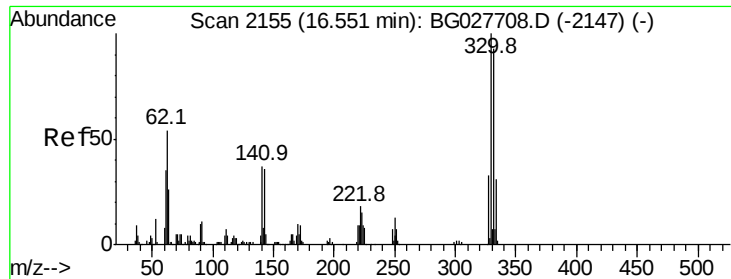
Tot Ion:122 Resp: 129
Ion Ratio Lower Upper
122 100
105 122.7 120.1 160.1
77 0.0 104.6 144.6#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.04 min Scan# 1949
Delta R.T. -0.02 min
Lab File: BG027852.D
Acq: 5 Jul 2017 17:51

Tgt Ion:164 Resp: 11296
Ion Ratio Lower Upper
164 100
162 130.8 85.1 127.7#
160 63.0 34.7 52.1#

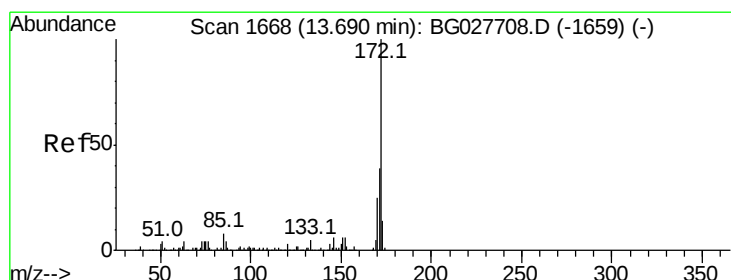
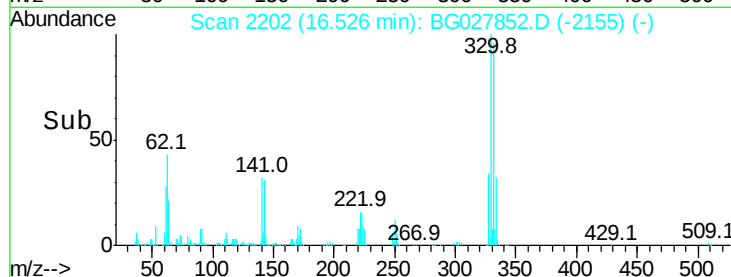
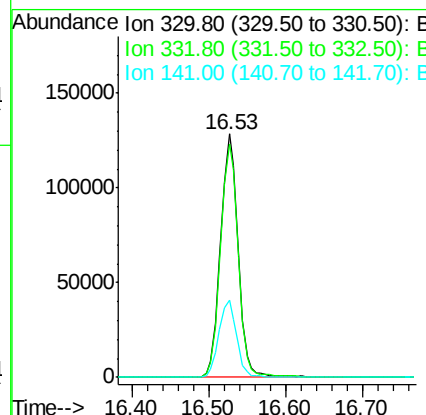
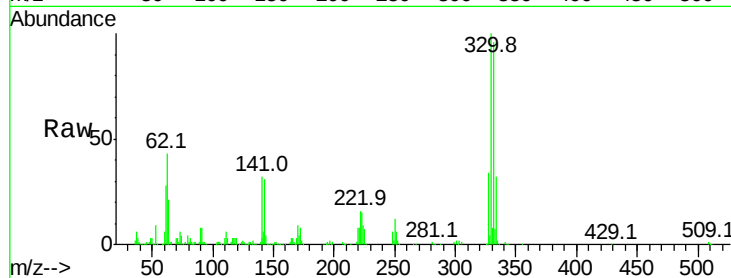




#41
 2,4,6-Tribromophenol
 Concen: 1303.66 ng
 RT: 16.53 min Scan# 2202
 Delta R.T. -0.02 min
 Lab File: BG027852.D
 Acq: 5 Jul 2017 17:51

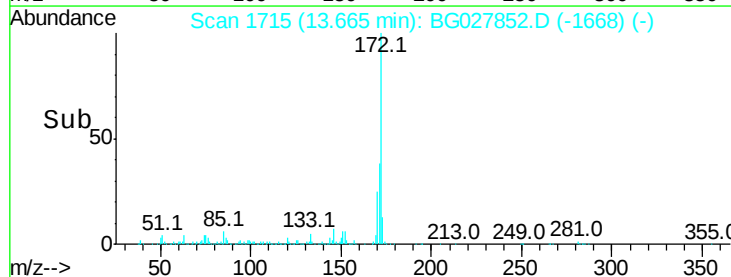
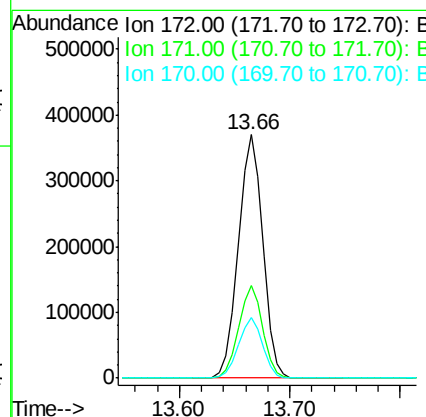
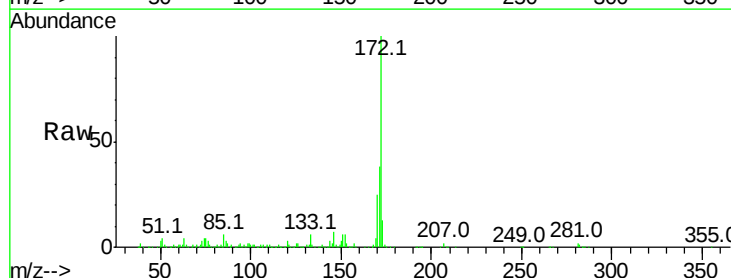
Instrument :
 BNA_G
 ClientSampleId :

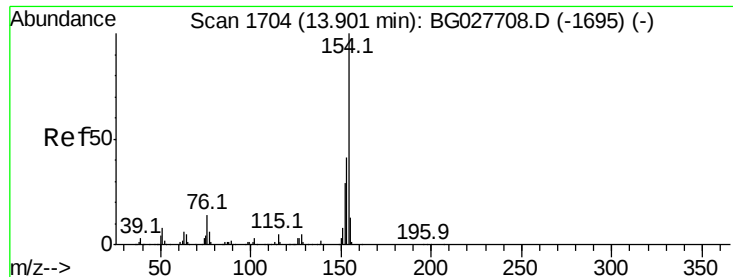
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.3	115.9
141	31.8	32.1	48.1#



#44
 2-Fluorobiphenyl
 Concen: 729.66 ng
 RT: 13.66 min Scan# 1715
 Delta R.T. -0.02 min
 Lab File: BG027852.D
 Acq: 5 Jul 2017 17:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	32.2	48.2
170	24.9	21.8	32.6





#45

1,1'-Biphenyl

Concen: 2.51 ng

RT: 13.88 min Scan# 1751

Delta R.T. -0.02 min

Lab File: BG027852.D

Acq: 5 Jul 2017 17:51

Instrument :

BNA_G

ClientSampleId :

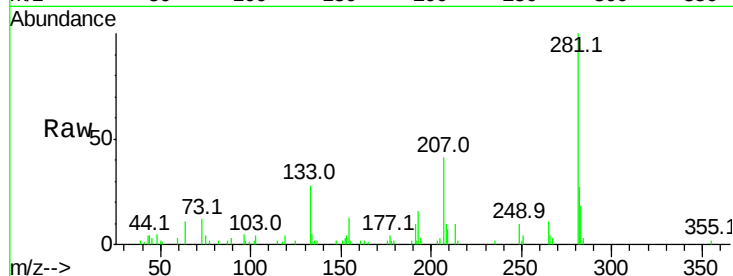
Tot Ion:154 Resp: 2272

Ion Ratio Lower Upper

154 100

153 28.8 23.0 63.0

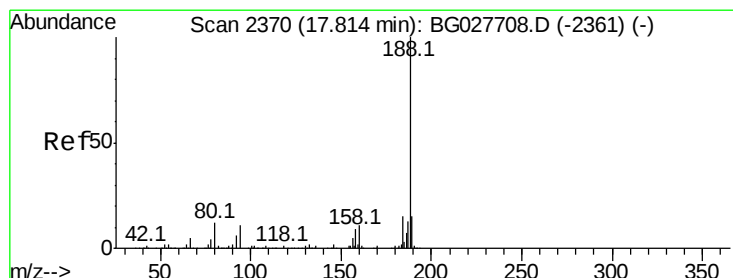
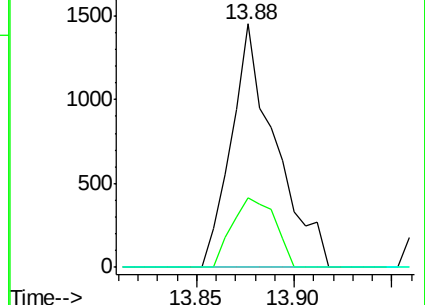
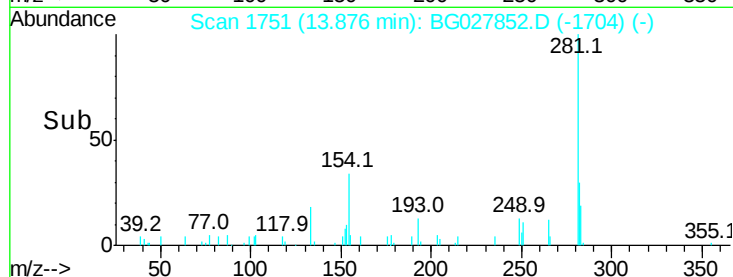
76 0.0 0.0 33.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.79 min Scan# 2417

Delta R.T. -0.02 min

Lab File: BG027852.D

Acq: 5 Jul 2017 17:51

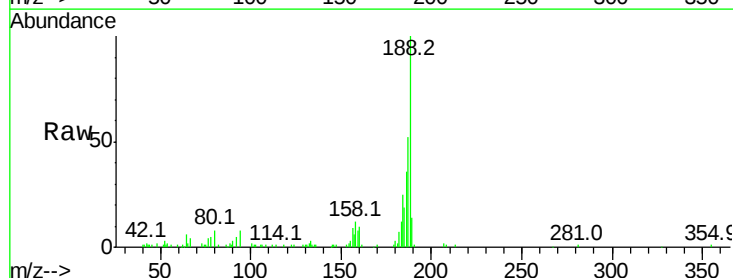
Tgt Ion:188 Resp: 55906

Ion Ratio Lower Upper

188 100

94 7.8 5.8 8.8

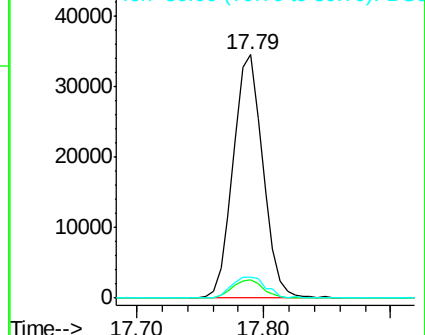
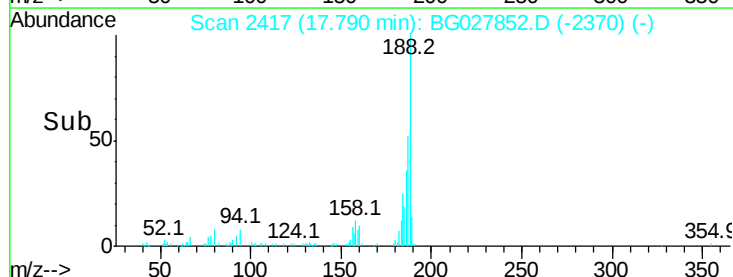
80 8.4 7.5 11.3

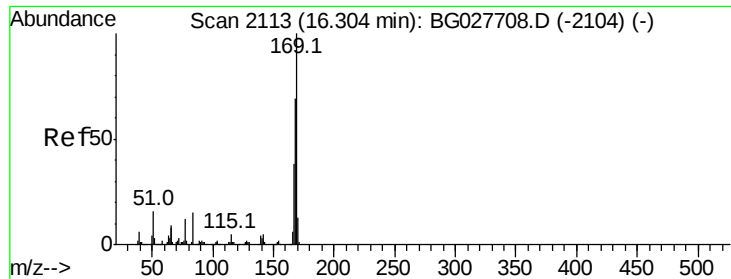


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

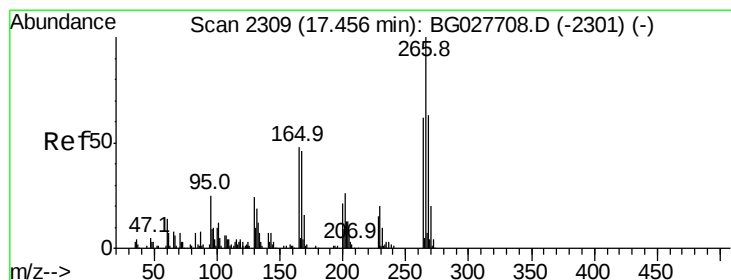
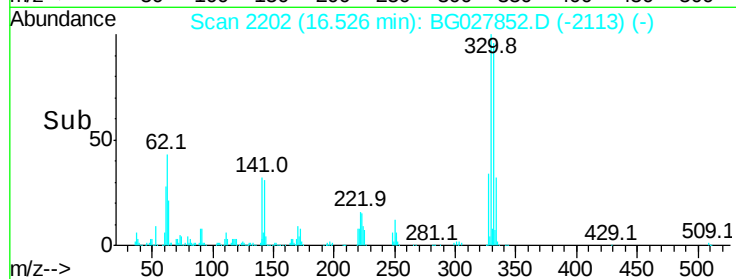
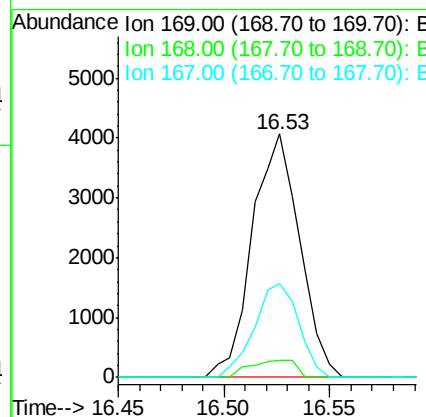
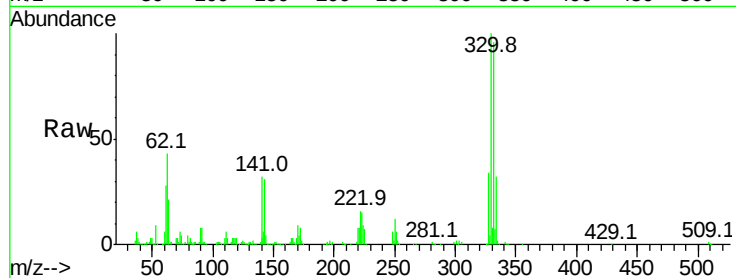




#65
n-Nitrosodiphenylamine
Concen: 3.48 ng
RT: 16.53 min Scan# 2202
Delta R.T. 0.22 min
Lab File: BG027852.D
Acq: 5 Jul 2017 17:51

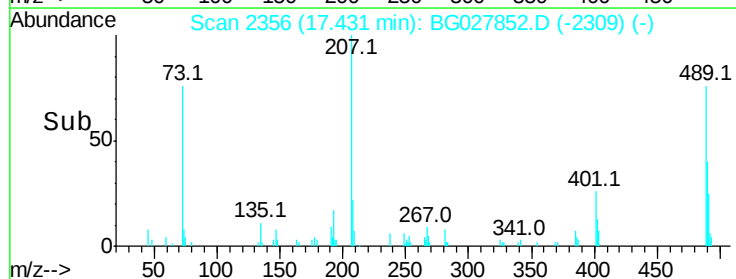
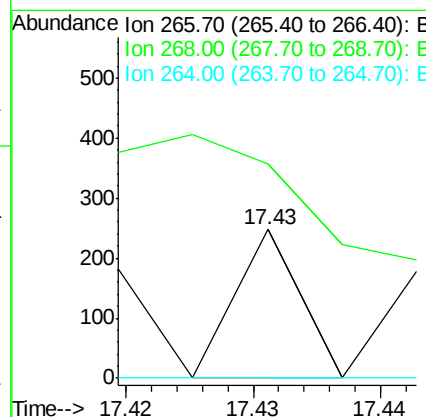
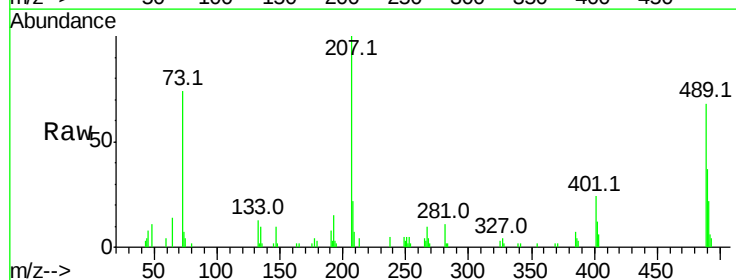
Instrument :
BNA_G
ClientSampled :

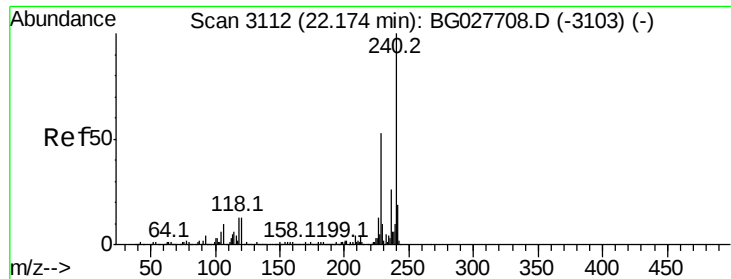
Tot Ion:169 Resp: 6334
Ion Ratio Lower Upper
169 100
168 7.0 55.7 83.5#
167 38.6 29.8 44.6



#69
Pentachlorophenol
Concen: 6.37 ng
RT: 17.43 min Scan# 2356
Delta R.T. -0.02 min
Lab File: BG027852.D
Acq: 5 Jul 2017 17:51

Tgt Ion:266 Resp: 87
Ion Ratio Lower Upper
266 100
268 144.4 48.6 72.8#
264 0.0 50.1 75.1#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.27 min Scan# 3180

Delta R.T. 0.10 min

Lab File: BG027852.D

Acq: 5 Jul 2017 17:51

Instrument :

BNA_G

ClientSampleId :

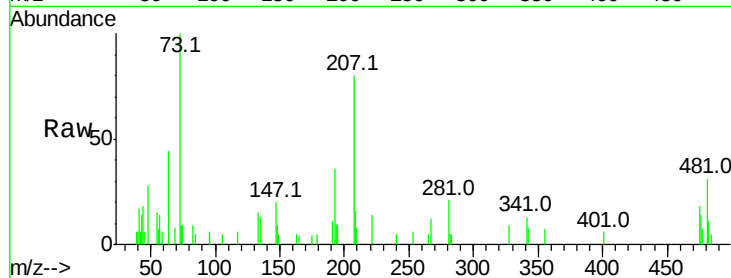
Tot Ion:240 Resp: 57

Ion Ratio Lower Upper

240 100

120 0.0 5.7 8.5#

236 0.0 22.2 33.4#



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

22.27

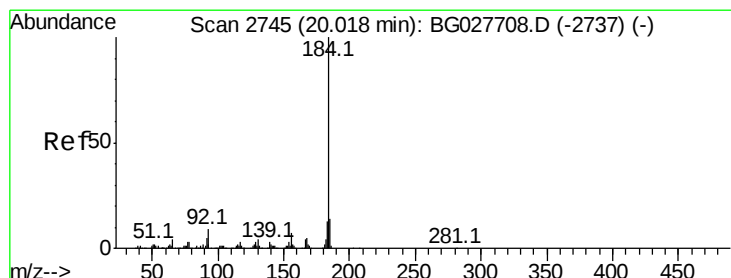
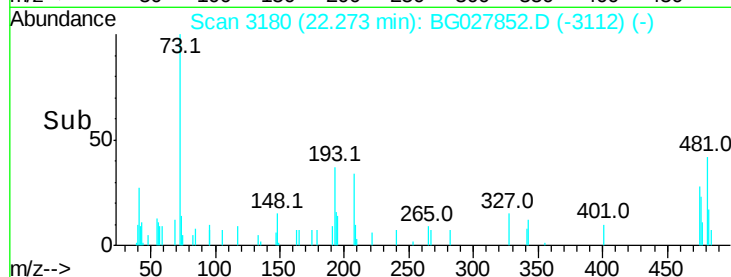
150

100

50

0

Time-->



#76

Benzidine

Concen: 50.66 ng

RT: 20.11 min Scan# 2812

Delta R.T. 0.09 min

Lab File: BG027852.D

Acq: 5 Jul 2017 17:51

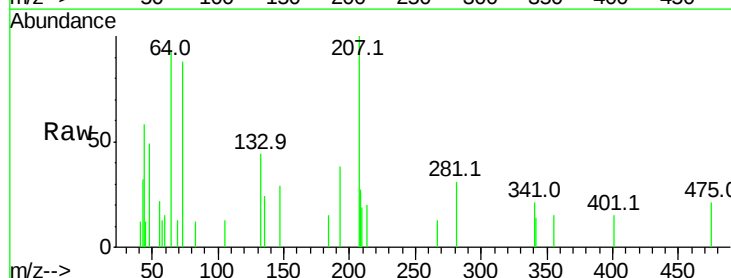
Tgt Ion:184 Resp: 69

Ion Ratio Lower Upper

184 100

185 0.0 13.0 19.6#

183 0.0 11.0 16.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

20.11

250

200

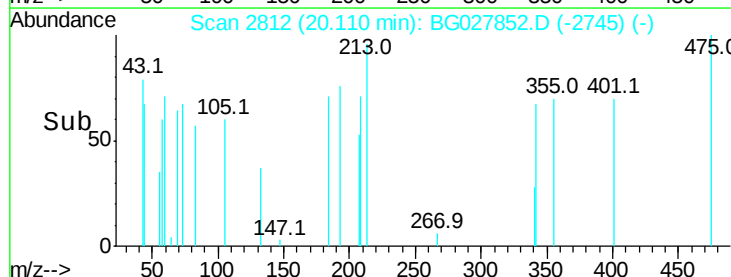
150

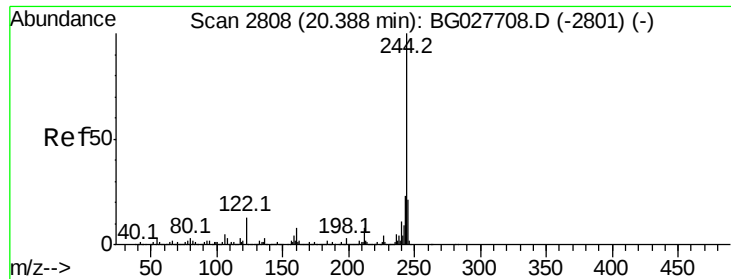
100

50

0

Time-->





#78

Terphenyl-d14

Concen: 2808.72 ng

RT: 20.36 min Scan# 2855

Delta R.T. -0.02 min

Lab File: BG027852.D

Acq: 5 Jul 2017 17:51

Instrument :

BNA_G

ClientSampleId :

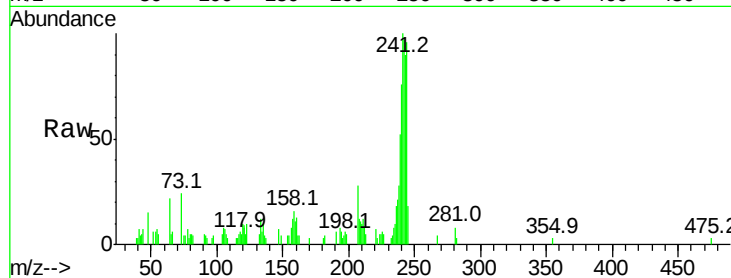
Tot Ion:244 Resp: 6829

Ion Ratio Lower Upper

244 100

212 8.0 10.0 15.0#

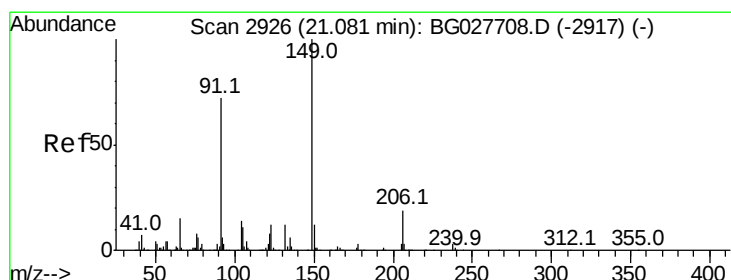
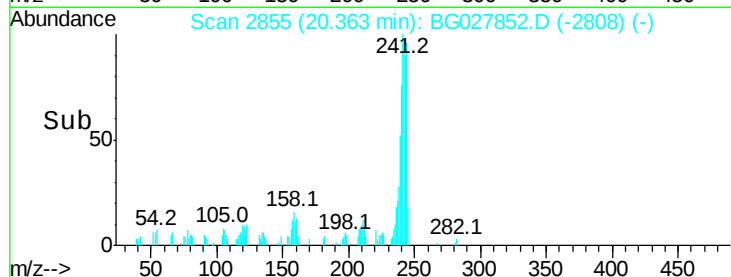
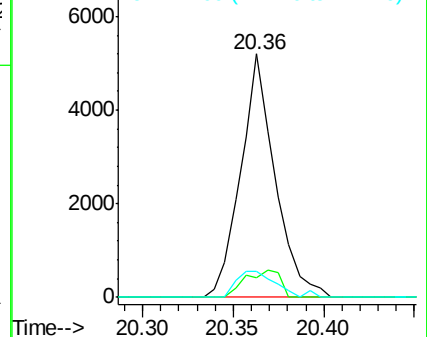
122 10.6 8.6 12.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 34.76 ng

RT: 21.17 min Scan# 2993

Delta R.T. 0.09 min

Lab File: BG027852.D

Acq: 5 Jul 2017 17:51

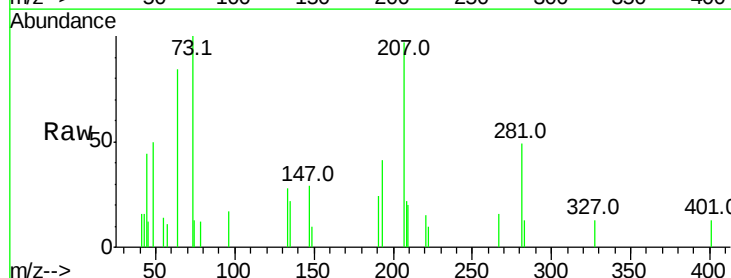
Tgt Ion:149 Resp: 56

Ion Ratio Lower Upper

149 100

91 0.0 63.5 95.3#

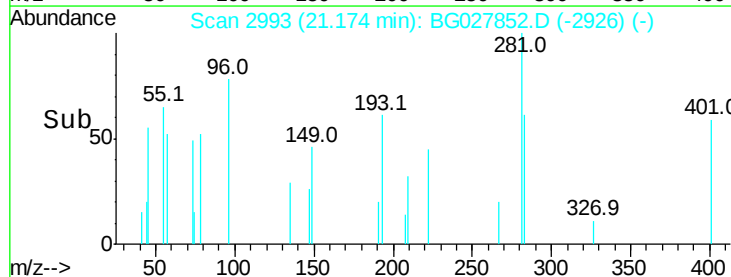
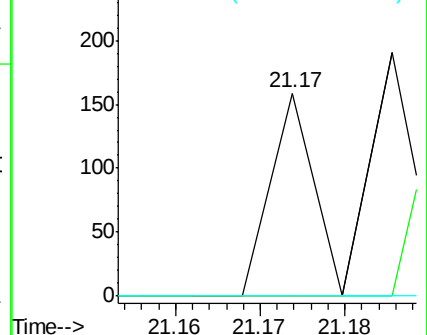
206 0.0 21.0 31.6#

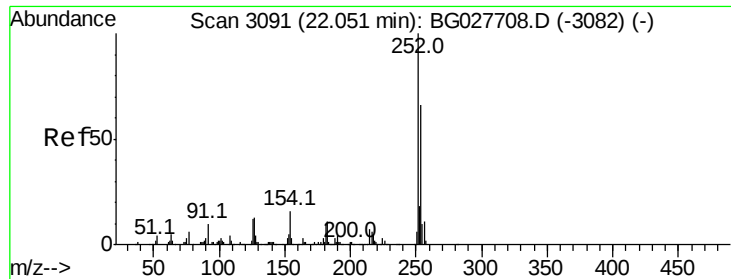


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

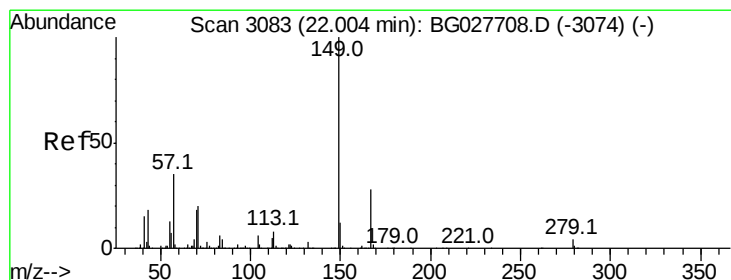
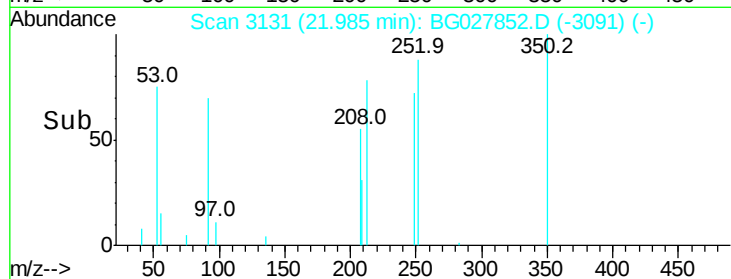
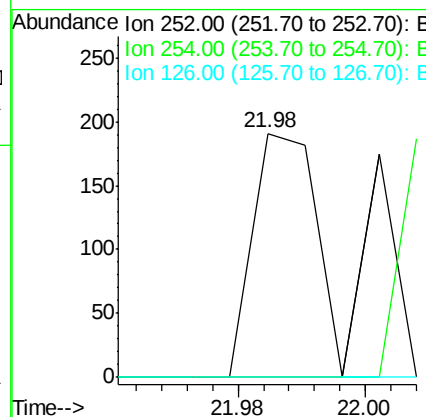
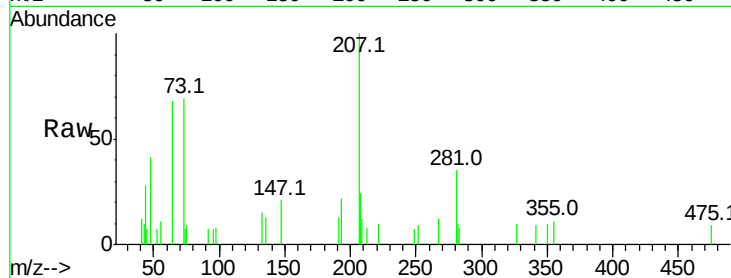




#81
 3,3'-Dichlorobenzidine
 Concen: 104.74 ng
 RT: 21.98 min Scan# 3131
 Delta R.T. -0.07 min
 Lab File: BG027852.D
 Acq: 5 Jul 2017 17:51

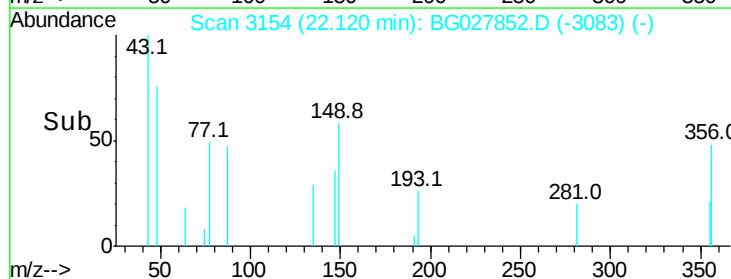
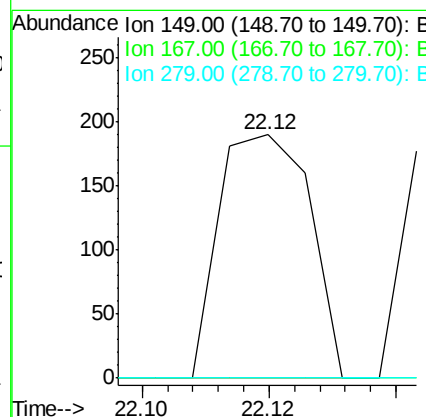
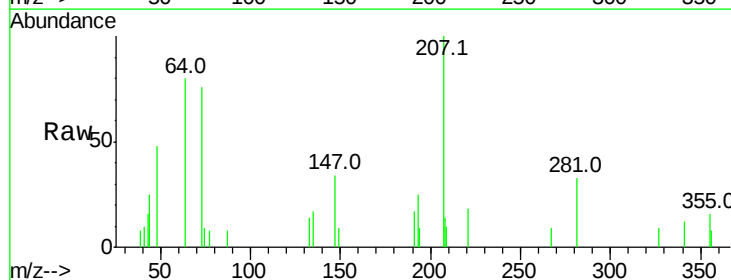
Instrument :
 BNA_G
 ClientSampleId :

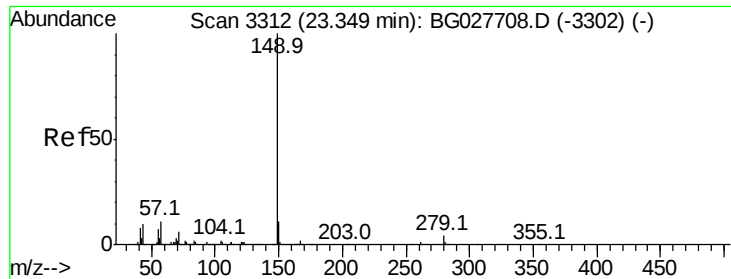
Tot Ion:252 Resp: 131
 Ion Ratio Lower Upper
 252 100
 254 0.0 53.1 79.7#
 126 0.0 7.0 10.4#



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 79.43 ng
 RT: 22.12 min Scan# 3154
 Delta R.T. 0.12 min
 Lab File: BG027852.D
 Acq: 5 Jul 2017 17:51

Tgt Ion:149 Resp: 187
 Ion Ratio Lower Upper
 149 100
 167 0.0 23.7 35.5#
 279 0.0 4.6 6.8#

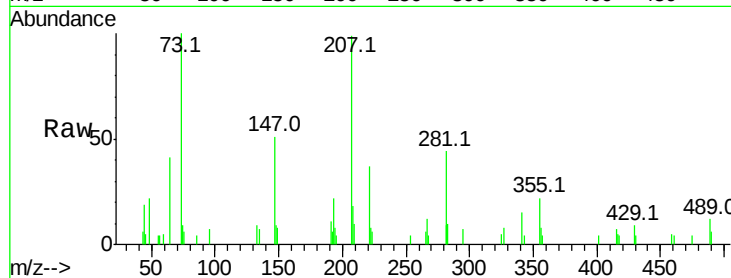




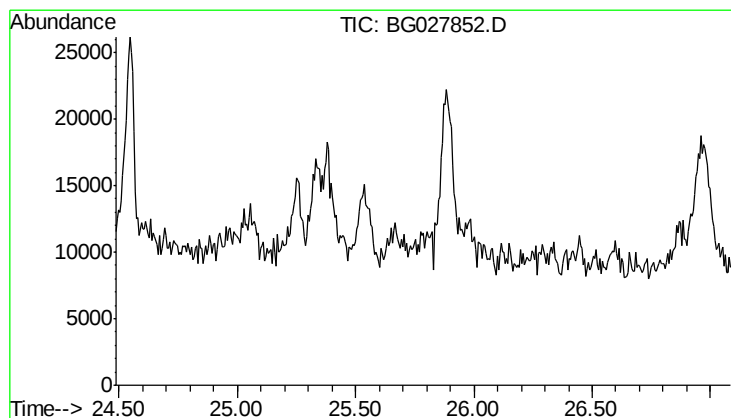
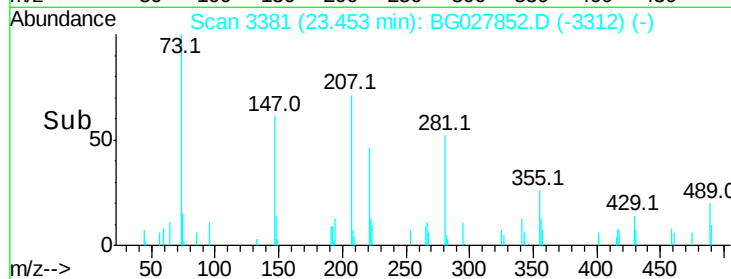
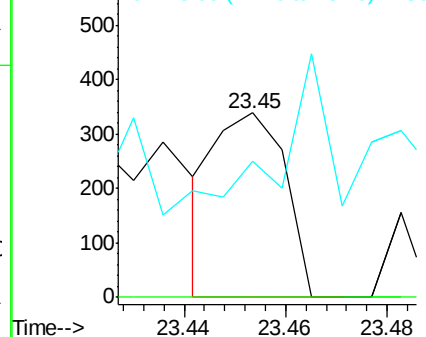
#84
Di-n-octyl phthalate
Concen: 83.04 ng
RT: 23.45 min Scan# 3381
Delta R.T. 0.10 min
Lab File: BG027852.D
Acq: 5 Jul 2017 17:51

Instrument :
BNA_G
ClientSampled :

Tot Ion:149 Resp: 323
Ion Ratio Lower Upper
149 100
167 0.0 1.4 2.2#
43 46.4 11.8 17.6#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGC



#86
Perylene-d12
Concen: 0.00 ng
Expected RT: 25.79 min

Lab File: BG027852.D
Acq: 5 Jul 2017 17:51

Tgt Ion: 264
Sig Exp Ratio
264 100
260 27.3
265 22.8

