

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060517\
 Data File : BF095696.D
 Acq On : 6 Jun 2017 3:30
 Operator : SJ/MA
 Sample : I3444-03 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 06 06:43:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

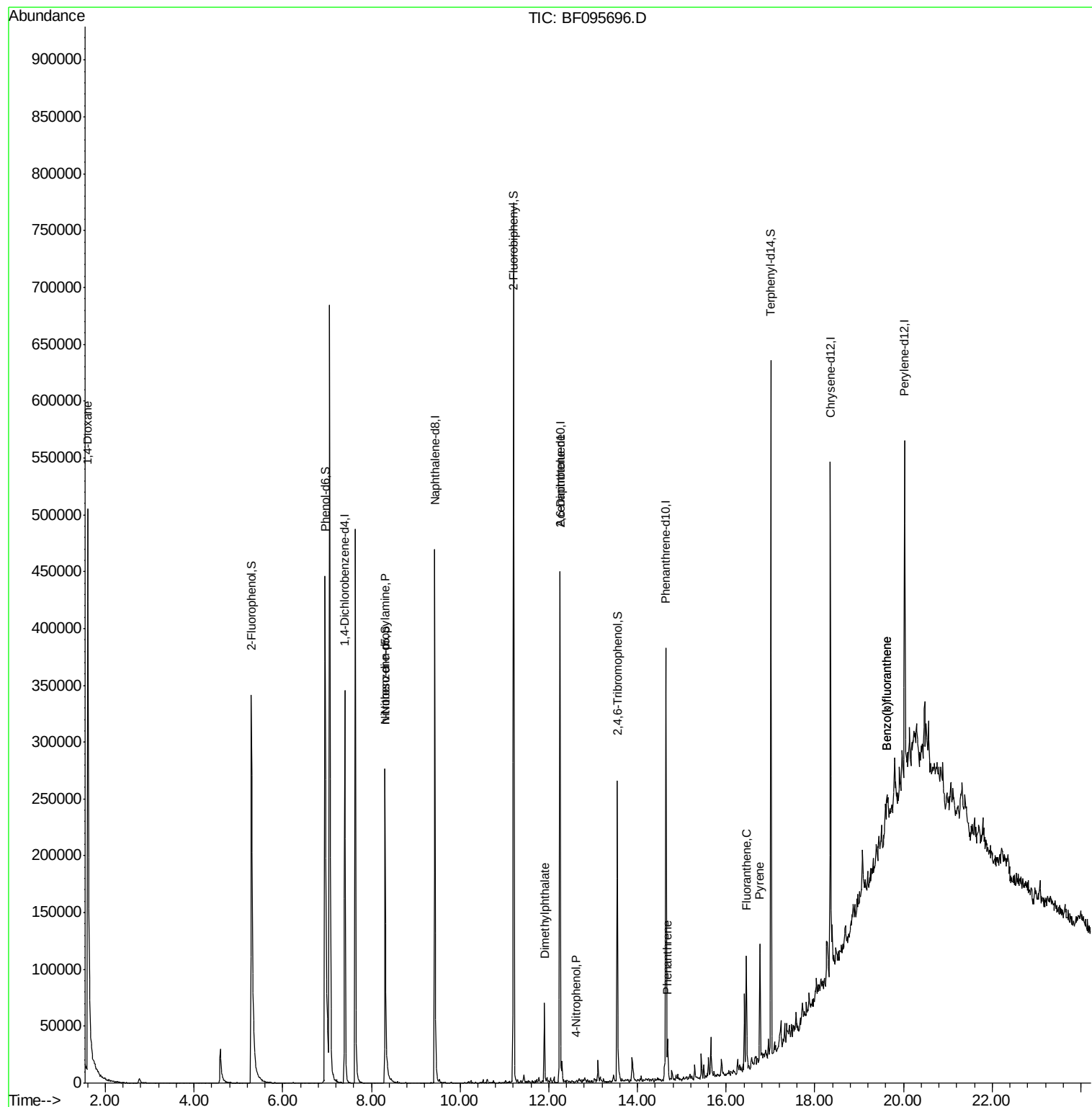
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	85622	20.00	ng	0.00
21) Naphthalene-d8	9.43	136	320515	20.00	ng	0.00
38) Acenaphthene-d10	12.25	164	124310	20.00	ng	0.00
63) Phenanthrene-d10	14.64	188	191181	20.00	ng	0.00
75) Chrysene-d12	18.35	240	172038	20.00	ng	0.00
86) Perylene-d12	20.02	264	116546	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	257831	47.98	ng	0.00
7) Phenol-d6	6.95	99	358916	55.79	ng	0.00
23) Nitrobenzene-d5	8.31	82	153711	29.78	ng	-0.01
41) 2,4,6-Tribromophenol	13.54	330	42687	38.81	ng	0.00
44) 2-Fluorobiphenyl	11.21	172	322293	36.08	ng	0.00
78) Terphenyl-d14	17.01	244	213426	30.79	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.60	88	24563	9.61	ng	# 23
19) n-Nitroso-di-n-propylamine	8.31	70	18614	4.57	ng	# 76
49) Dimethylphthalate	11.90	163	41166	4.36	ng	99
50) 2,6-Dinitrotoluene	12.25	165	15858	7.70	ng	# 31
55) 4-Nitrophenol	12.61	139	258	4.80	ng	# 25
70) Phenanthrene	14.68	178	22720	2.06	ng	98
74) Fluoranthene	16.46	202	42898	3.93	ng	97
77) Pyrene	16.76	202	42752	3.33	ng	96
87) Benzo(b)fluoranthene	19.63	252	20786	2.85	ng	# 79
88) Benzo(k)fluoranthene	19.63	252	20831	2.99	ng	# 83

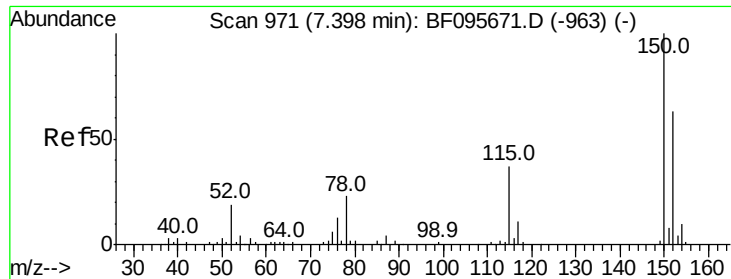
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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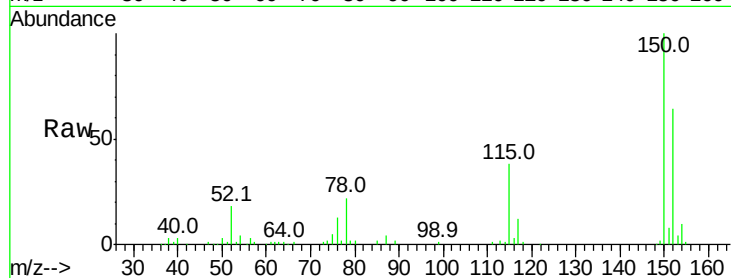


#1

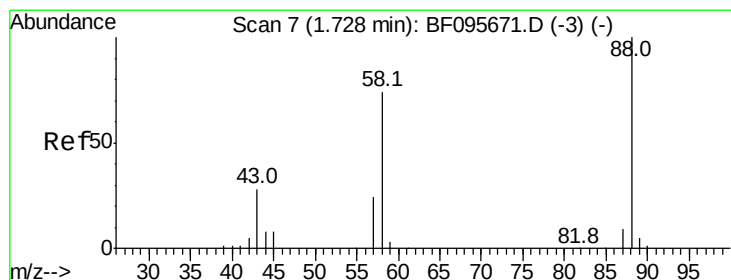
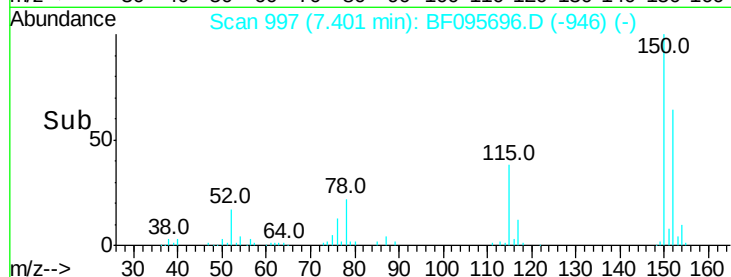
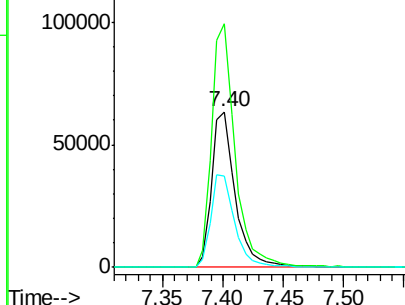
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.40 min Scan# 997
Delta R.T. 0.00 min
Lab File: BF095696.D
Acq: 6 Jun 2017 3:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 85622
Ion Ratio Lower Upper
152 100
150 156.2 126.2 189.2
115 58.6 52.2 78.2



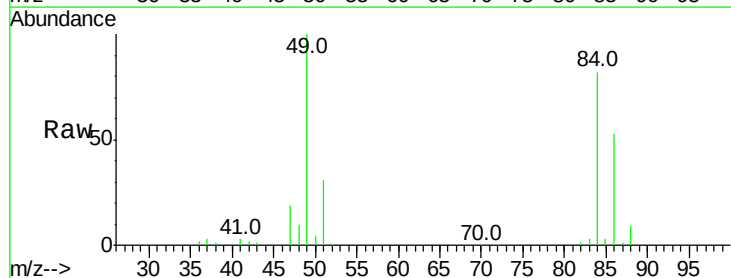
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



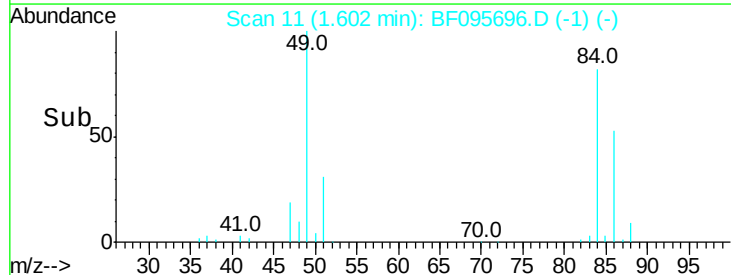
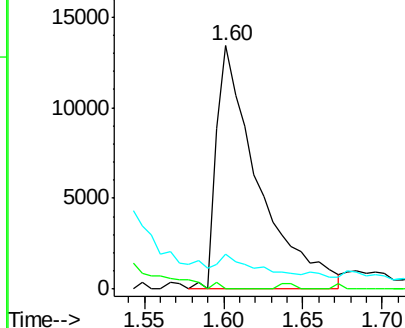
#2

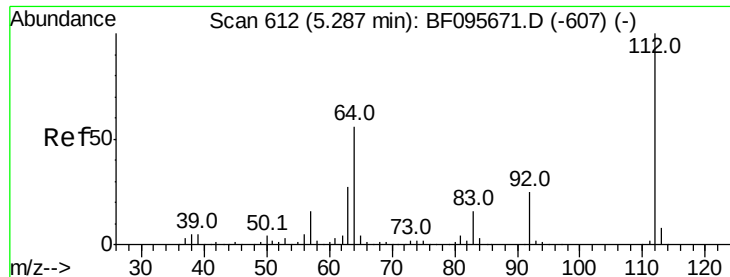
1,4-Dioxane
Concen: 9.61 ng
RT: 1.60 min Scan# 11
Delta R.T. -0.13 min
Lab File: BF095696.D
Acq: 6 Jun 2017 3:30

Tgt Ion: 88 Resp: 24563
Ion Ratio Lower Upper
88 100
58 0.0 61.4 92.0#
43 5.7 23.4 35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 47.98 ng

RT: 5.30 min Scan# 639

Delta R.T. 0.01 min

Lab File: BF095696.D

Acq: 6 Jun 2017 3:30

Instrument :

BNA_F

ClientSampleID :

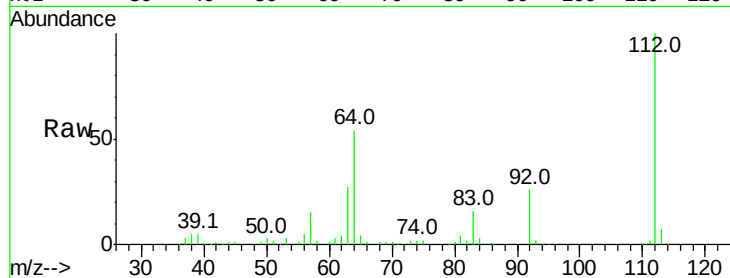
Tot Ion: 112 Resp: 257831

Ion Ratio Lower Upper

112 100

64 54.3 46.0 69.0

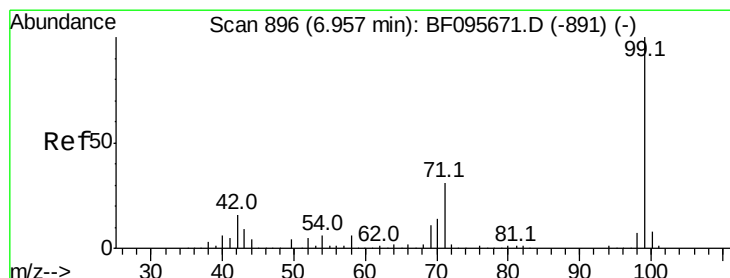
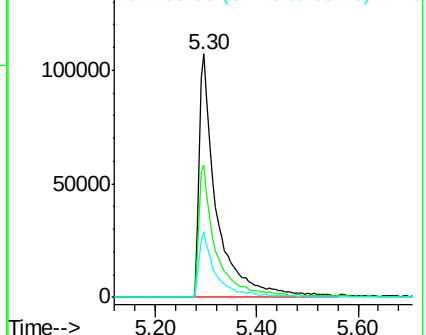
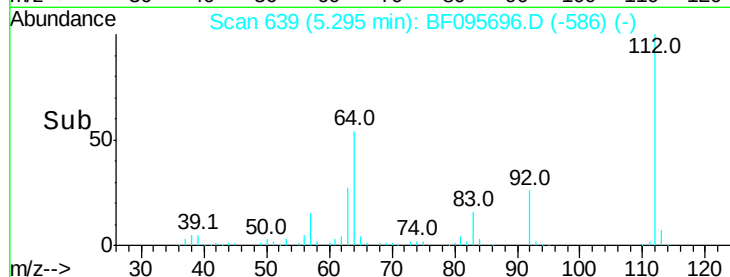
63 27.0 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 55.79 ng

RT: 6.95 min Scan# 921

Delta R.T. -0.00 min

Lab File: BF095696.D

Acq: 6 Jun 2017 3:30

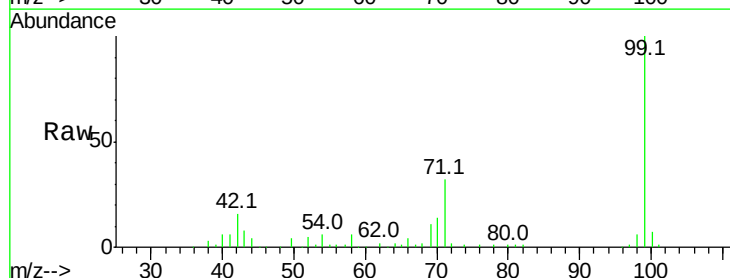
Tgt Ion: 99 Resp: 358916

Ion Ratio Lower Upper

99 100

42 16.0 13.5 20.3

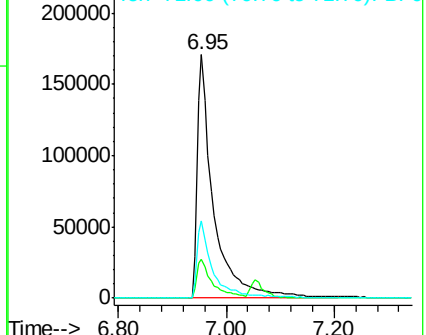
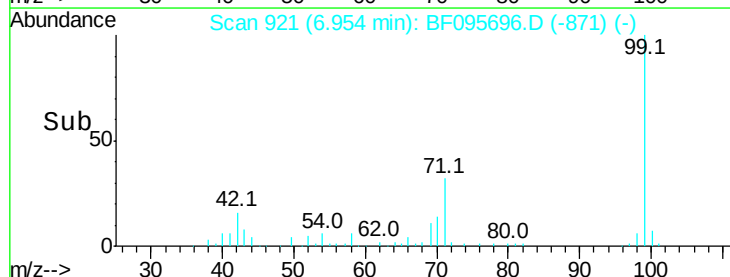
71 31.6 24.5 36.7

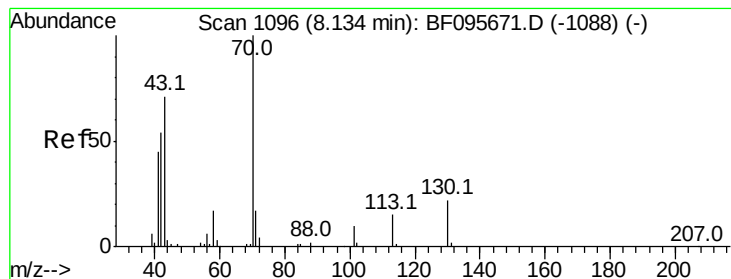


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 4.57 ng

RT: 8.31 min Scan# 1151

Delta R.T. 0.17 min

Lab File: BF095696.D

Acq: 6 Jun 2017 3:30

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 18614

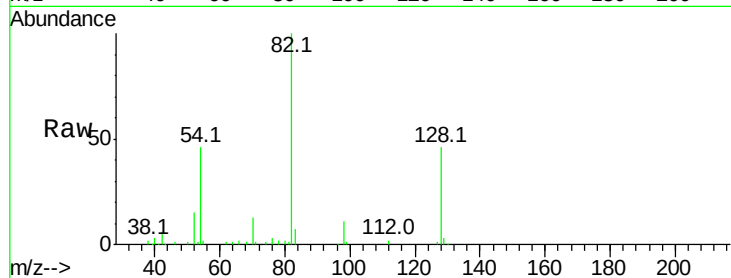
Ion Ratio Lower Upper

70 100

42 44.4 47.2 70.8#

101 0.0 7.2 10.8#

130 2.7 15.9 23.9#

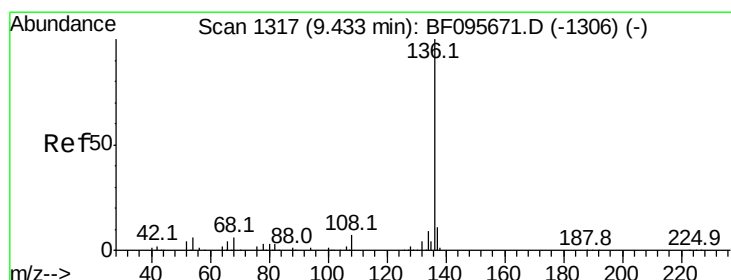
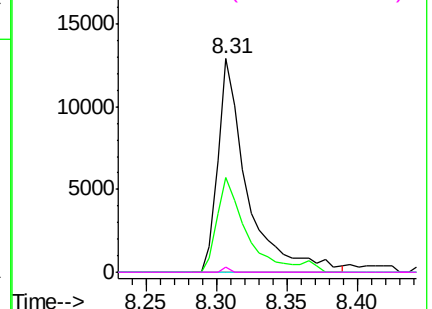
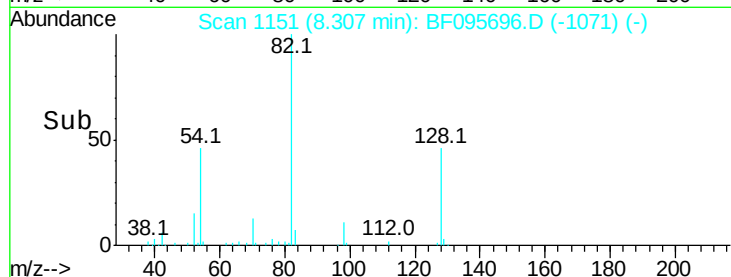


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.43 min Scan# 1342

Delta R.T. -0.00 min

Lab File: BF095696.D

Acq: 6 Jun 2017 3:30

Tgt Ion: 136 Resp: 320515

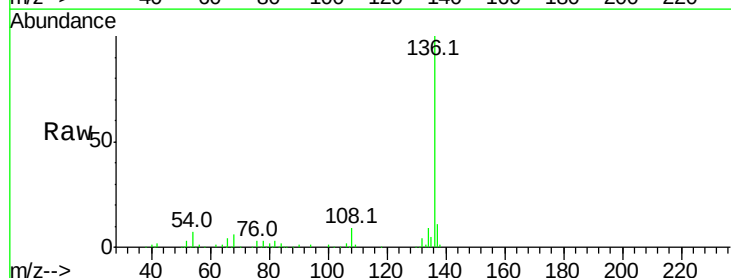
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 6.8 4.9 7.3

68 5.9 4.1 6.1

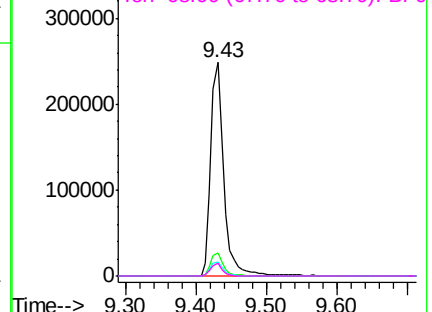
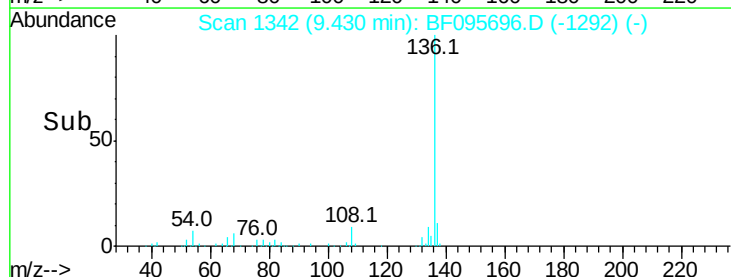


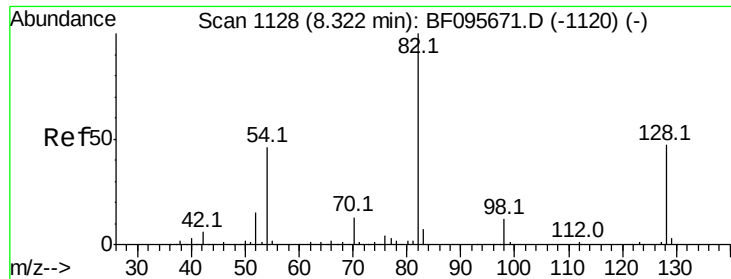
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

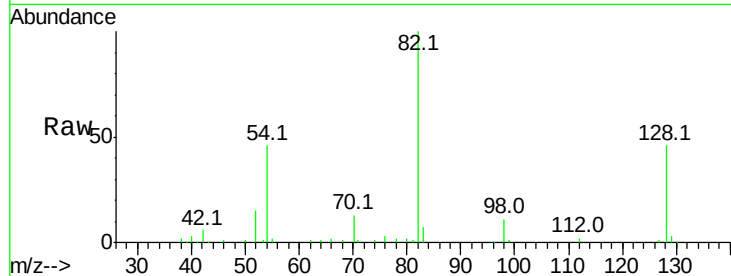




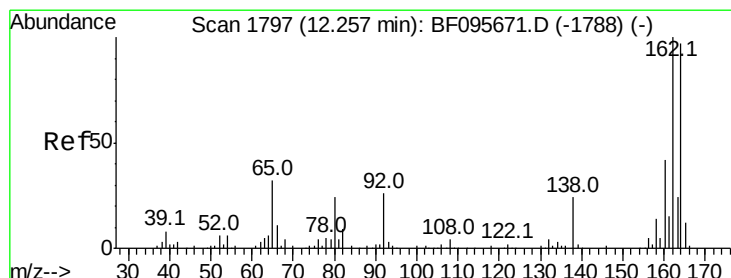
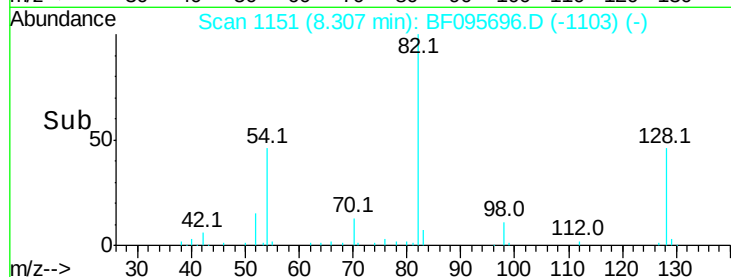
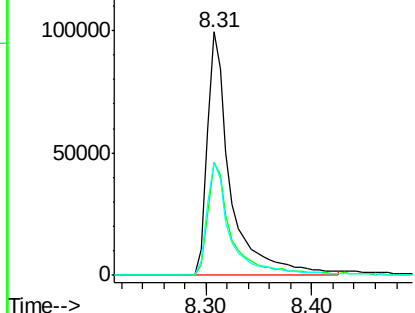
#23
 Nitrobenzene-d5
 Concen: 29.78 ng
 RT: 8.31 min Scan# 1151
 Delta R.T. -0.01 min
 Lab File: BF095696.D
 Acq: 6 Jun 2017 3:30

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 153711
 Ion Ratio Lower Upper
 82 100
 128 46.2 34.0 51.0
 54 46.5 42.2 63.2

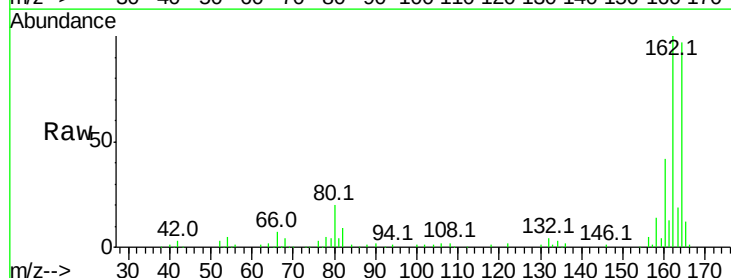


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

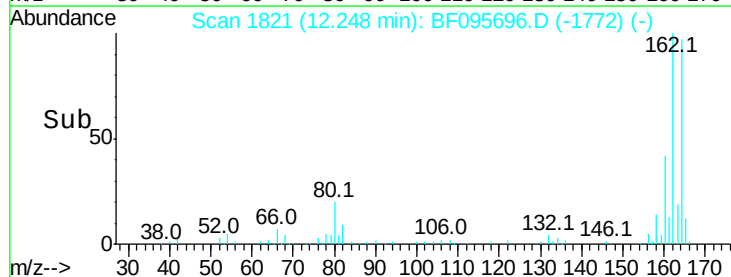
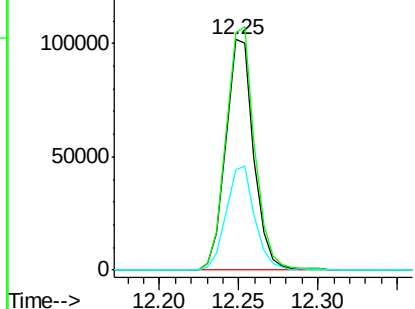


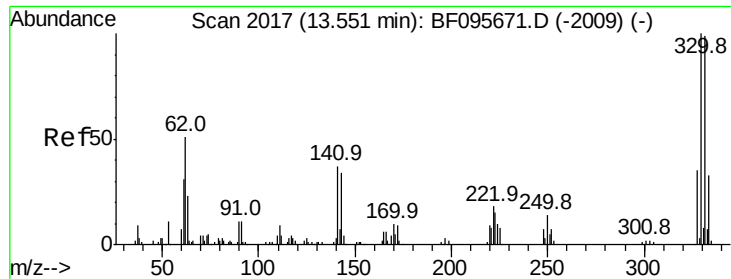
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.25 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: BF095696.D
 Acq: 6 Jun 2017 3:30

Tgt Ion:164 Resp: 124310
 Ion Ratio Lower Upper
 164 100
 162 102.9 82.6 123.8
 160 43.4 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

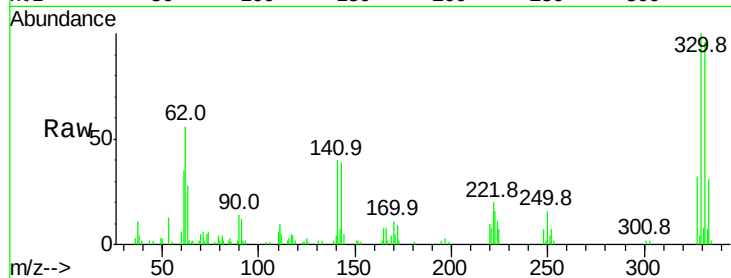




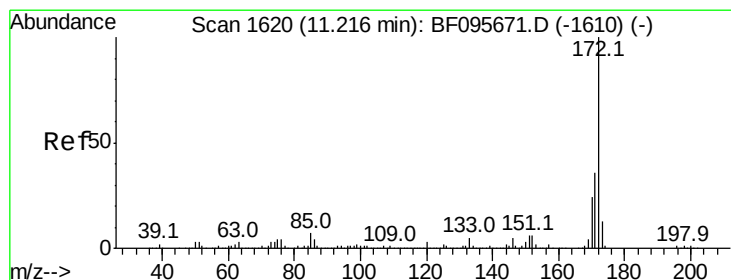
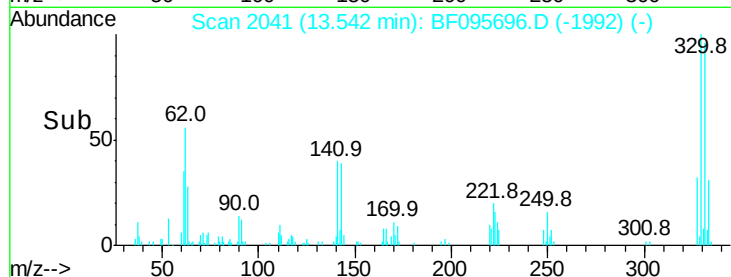
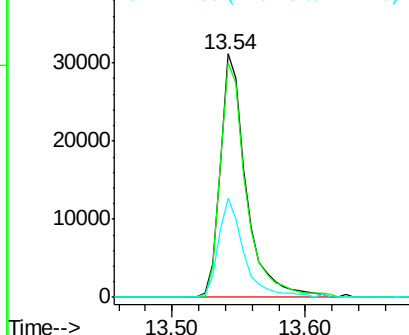
#41
 2,4,6-Tribromophenol
 Concen: 38.81 ng
 RT: 13.54 min Scan# 2041
 Delta R.T. -0.01 min
 Lab File: BF095696.D
 Acq: 6 Jun 2017 3:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 42687
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.6 115.0
 141 40.1 31.4 47.2

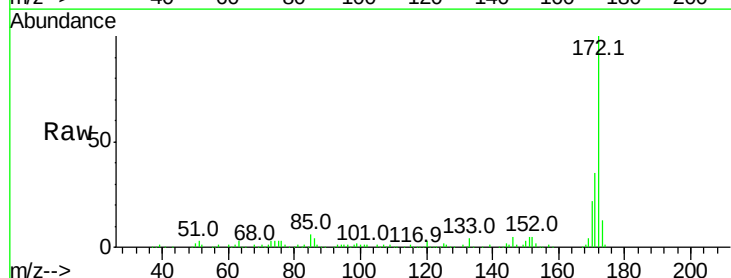


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

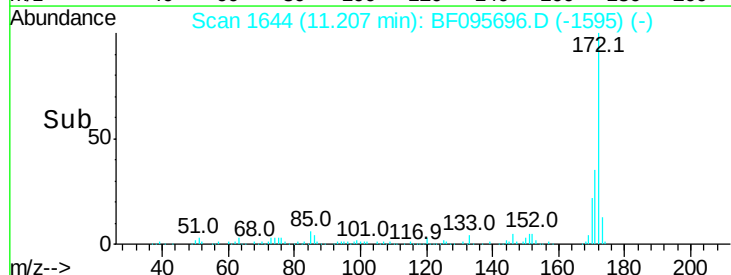
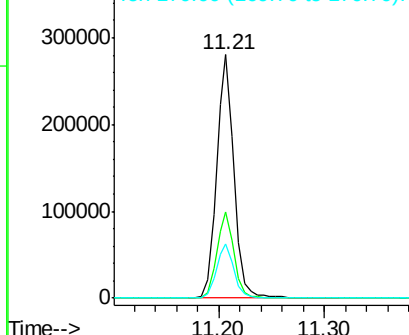


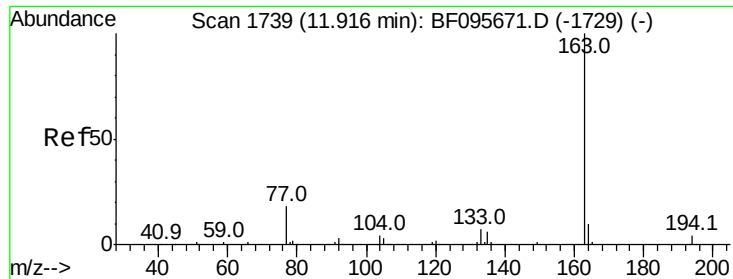
#44
 2-Fluorobiphenyl
 Concen: 36.08 ng
 RT: 11.21 min Scan# 1644
 Delta R.T. -0.01 min
 Lab File: BF095696.D
 Acq: 6 Jun 2017 3:30

Tgt Ion:172 Resp: 322293
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.6 44.4
 170 22.4 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 4.36 ng

RT: 11.90 min Scan# 1762

Delta R.T. -0.01 min

Lab File: BF095696.D

Acq: 6 Jun 2017 3:30

Instrument :

BNA_F

ClientSampleId :

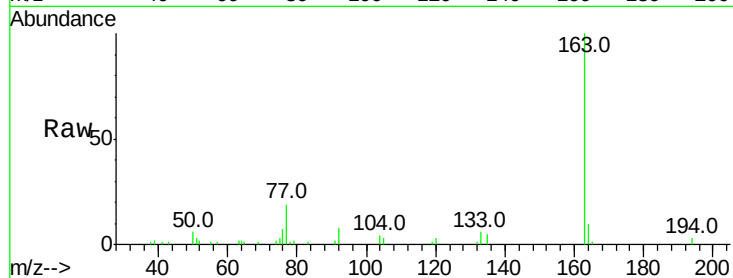
Tot Ion:163 Resp: 41166

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

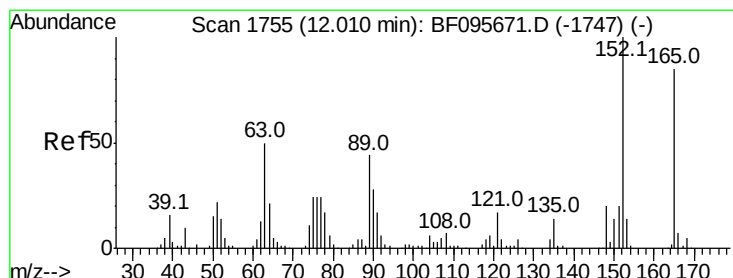
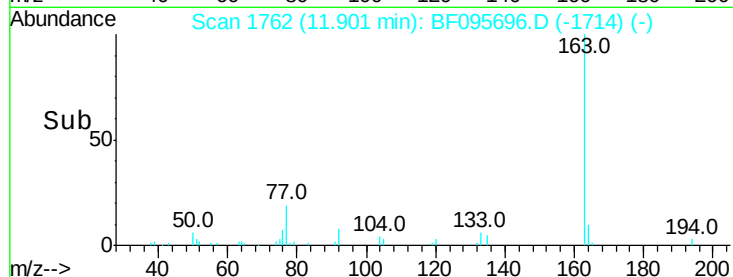
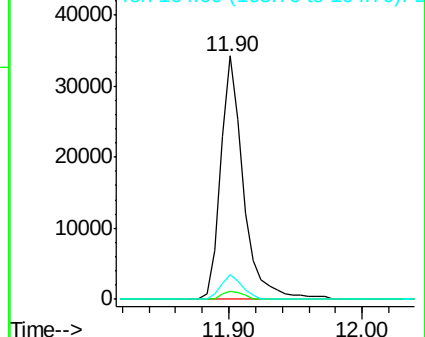
164 9.9 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.70 ng

RT: 12.25 min Scan# 1821

Delta R.T. 0.24 min

Lab File: BF095696.D

Acq: 6 Jun 2017 3:30

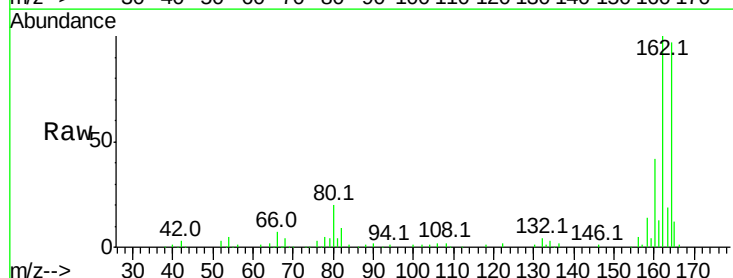
Tgt Ion:165 Resp: 15858

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

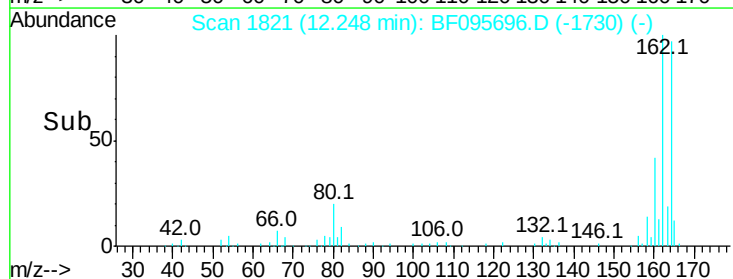
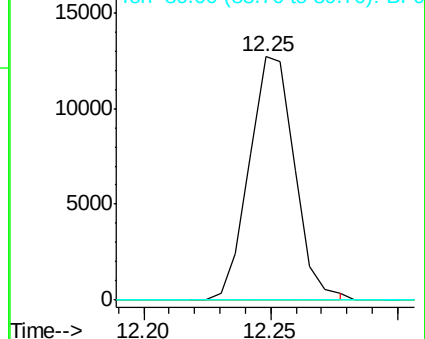
89 0.0 37.1 55.7#

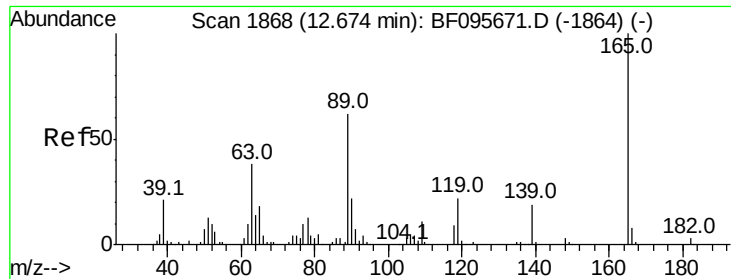


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

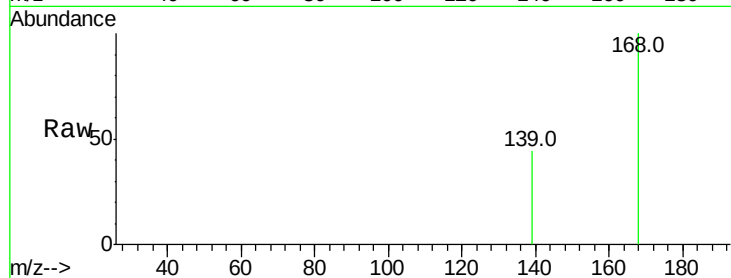




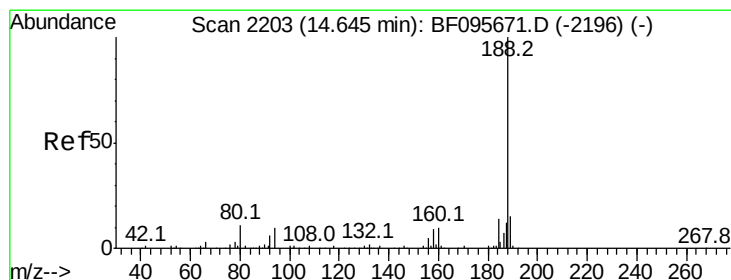
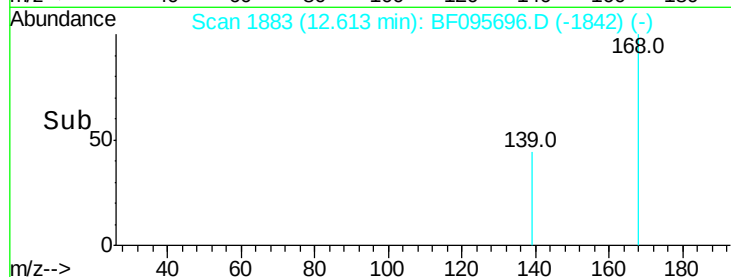
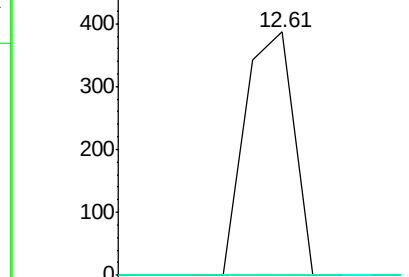
#55
4-Nitrophenol
Concen: 4.80 ng
RT: 12.61 min Scan# 1883
Delta R.T. -0.06 min
Lab File: BF095696.D
Acq: 6 Jun 2017 3:30

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 258
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

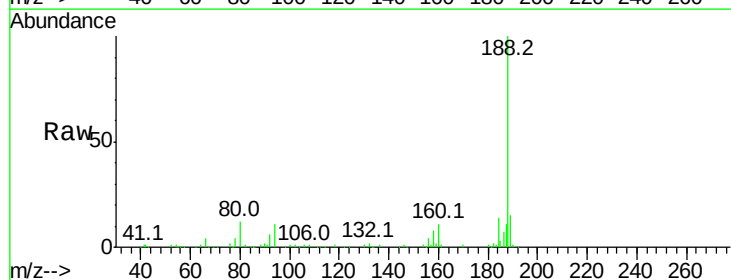


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

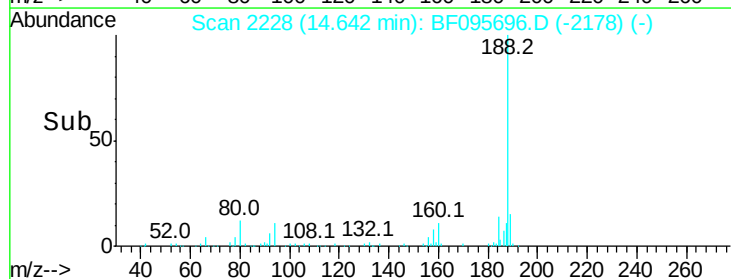
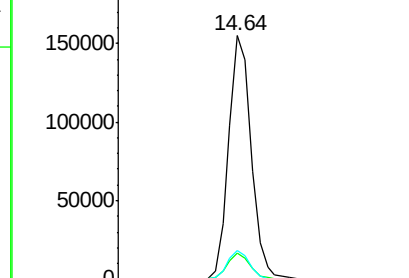


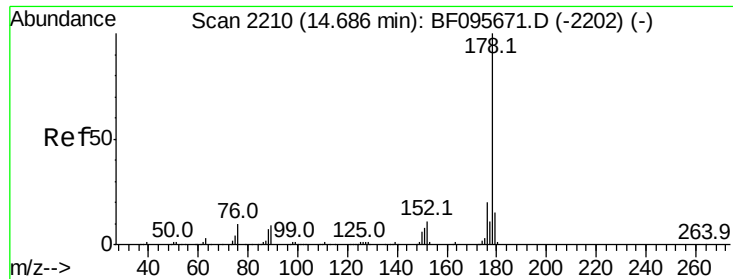
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.64 min Scan# 2228
Delta R.T. -0.00 min
Lab File: BF095696.D
Acq: 6 Jun 2017 3:30

Tgt Ion:188 Resp: 191181
Ion Ratio Lower Upper
188 100
94 10.9 9.4 14.2
80 11.7 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 2.06 ng

RT: 14.68 min Scan# 2235

Delta R.T. -0.00 min

Lab File: BF095696.D

Acq: 6 Jun 2017 3:30

Instrument :

BNA_F

ClientSampleId :

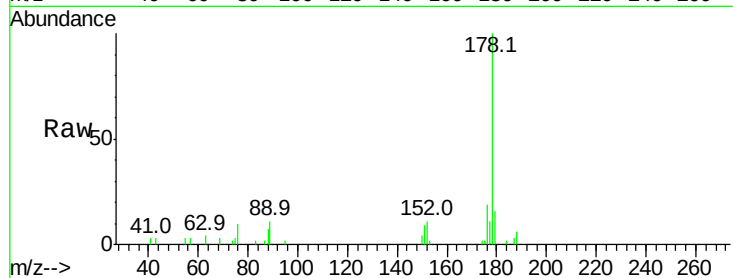
Tot Ion:178 Resp: 22720

Ion Ratio Lower Upper

178 100

176 19.3 16.2 24.4

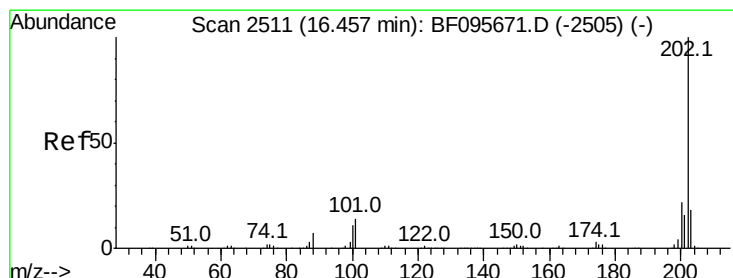
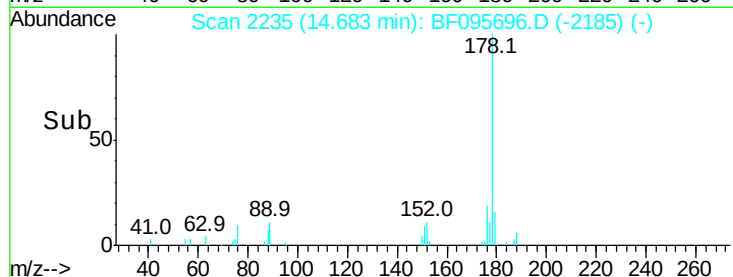
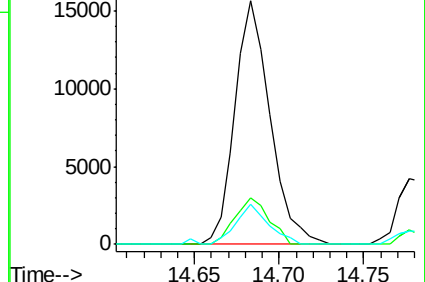
179 16.4 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 3.93 ng

RT: 16.46 min Scan# 2537

Delta R.T. 0.00 min

Lab File: BF095696.D

Acq: 6 Jun 2017 3:30

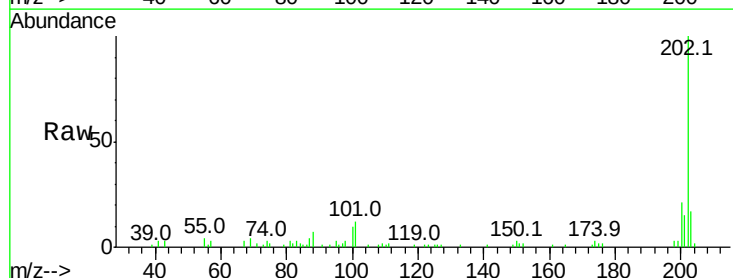
Tgt Ion:202 Resp: 42898

Ion Ratio Lower Upper

202 100

101 11.7 0.0 33.2

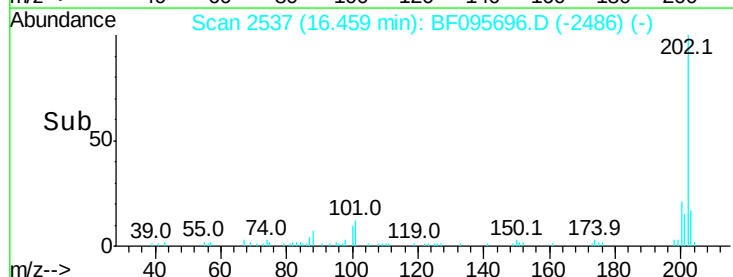
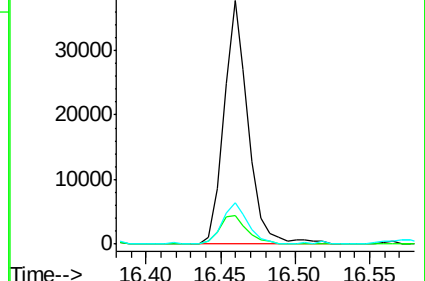
203 16.9 0.0 38.1

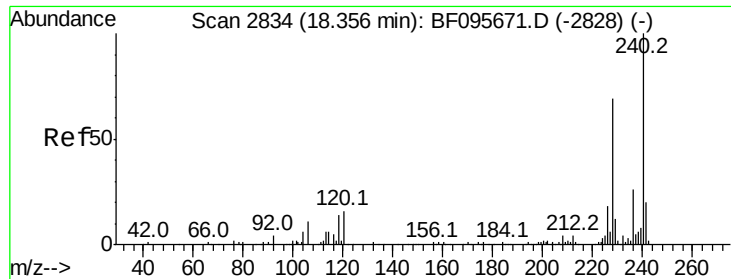


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.35 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BF095696.D

Acq: 6 Jun 2017 3:30

Instrument :

BNA_F

ClientSampleId :

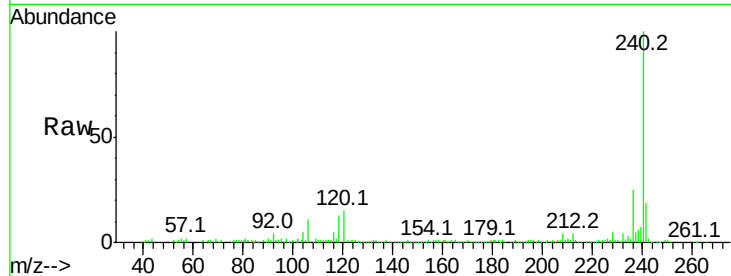
Tot Ion:240 Resp: 172038

Ion Ratio Lower Upper

240 100

120 15.2 5.8 8.8#

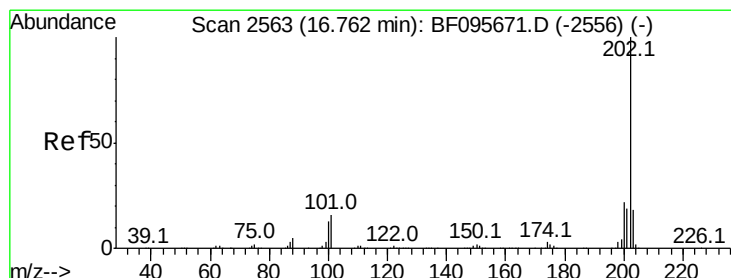
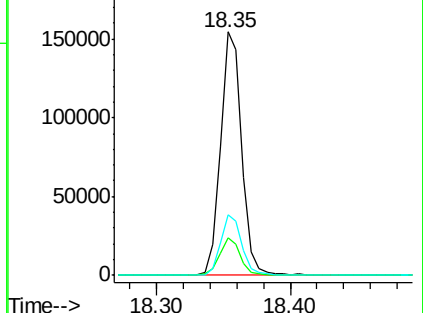
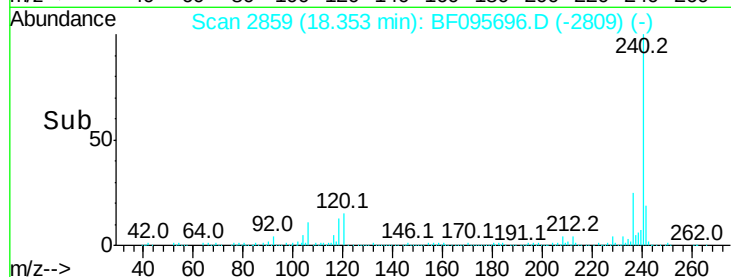
236 24.8 20.5 30.7



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



#77

Pyrene

Concen: 3.33 ng

RT: 16.76 min Scan# 2588

Delta R.T. -0.00 min

Lab File: BF095696.D

Acq: 6 Jun 2017 3:30

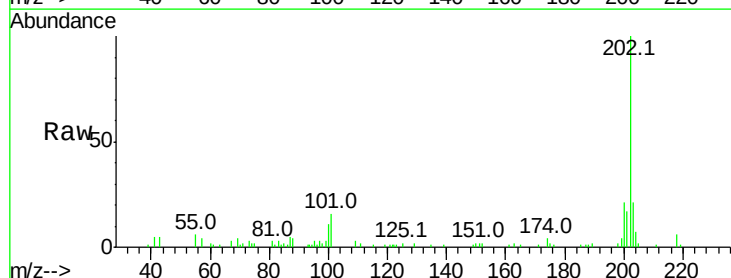
Tgt Ion:202 Resp: 42752

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

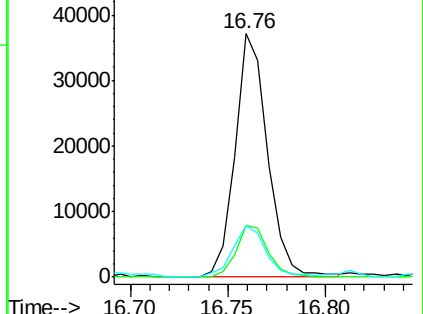
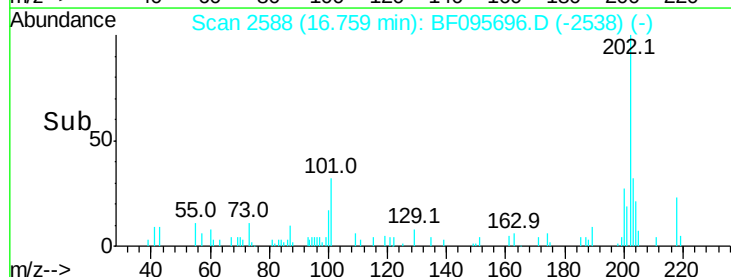
203 21.3 14.4 21.6

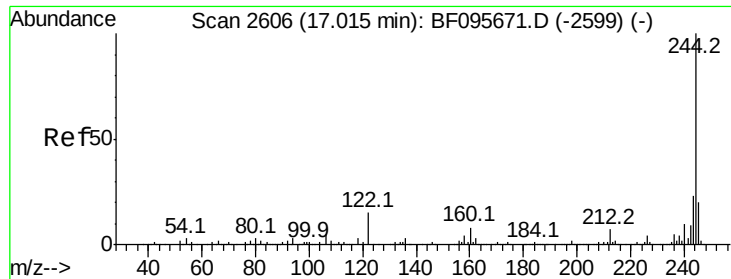


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

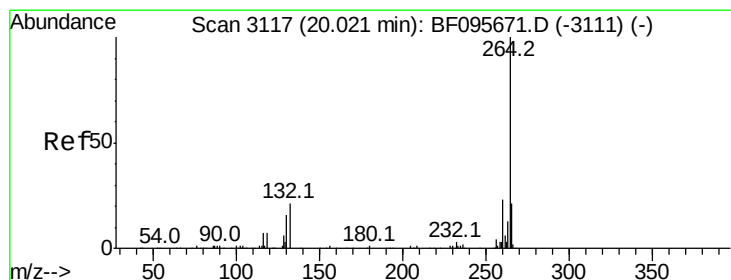
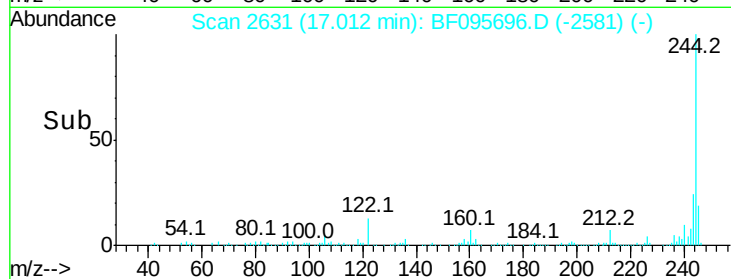
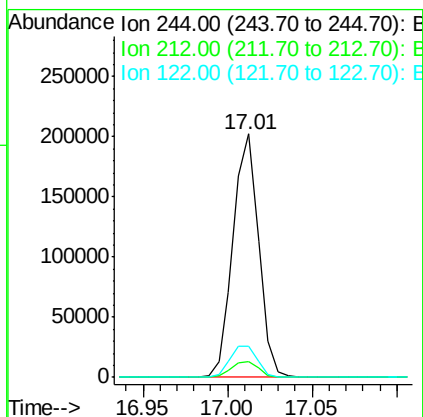
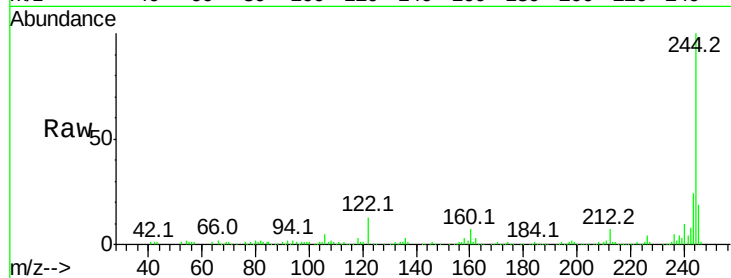




#78
 Terphenyl-d14
 Concen: 30.79 ng
 RT: 17.01 min Scan# 2631
 Delta R.T. -0.00 min
 Lab File: BF095696.D
 Acq: 6 Jun 2017 3:30

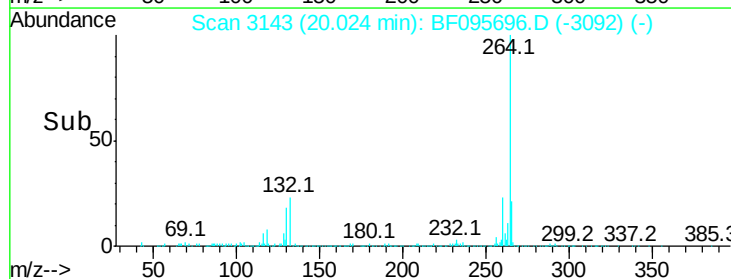
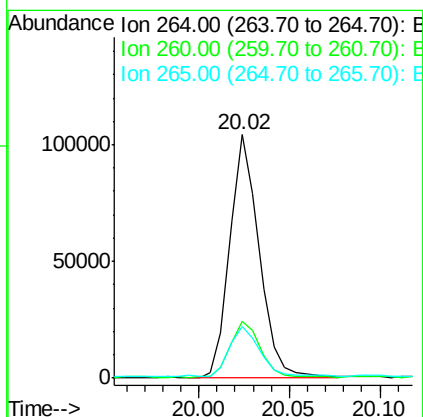
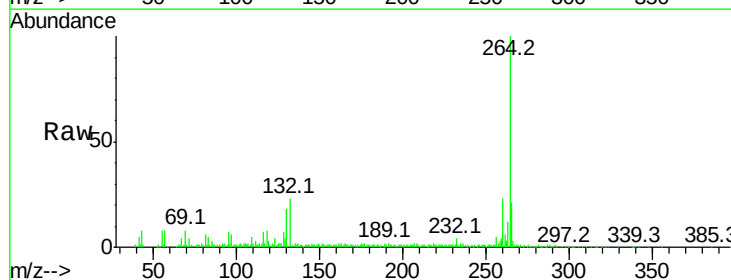
Instrument :
 BNA_F
 ClientSampleId :

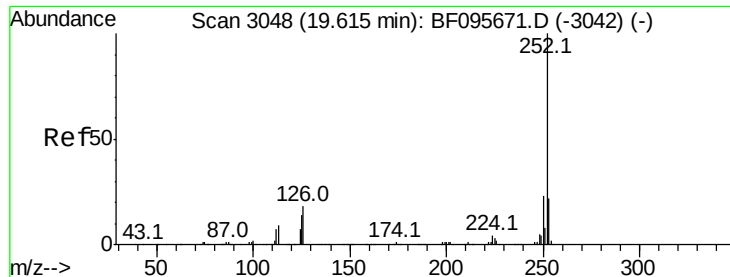
Tot Ion:244 Resp: 213426
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.0 9.0
 122 13.0 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.02 min Scan# 3143
 Delta R.T. 0.00 min
 Lab File: BF095696.D
 Acq: 6 Jun 2017 3:30

Tgt Ion:264 Resp: 116546
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.5 29.3
 265 21.4 17.2 25.8

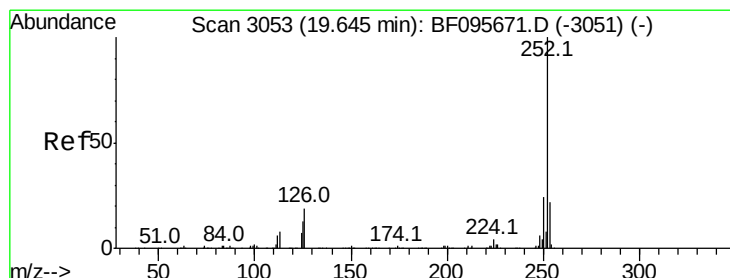
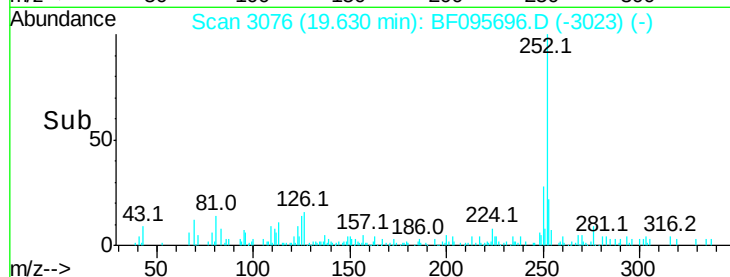
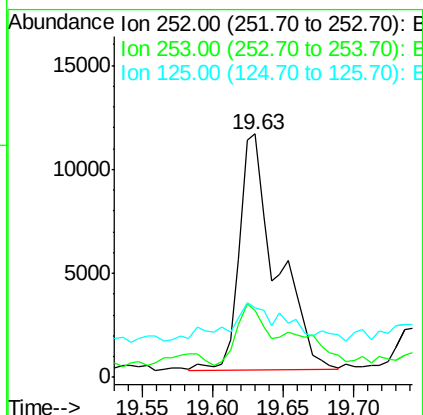
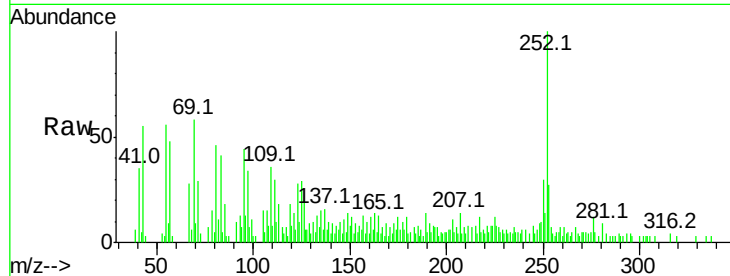




#87
Benzo(b)fluoranthene
Concen: 2.85 ng
RT: 19.63 min Scan# 3076
Delta R.T. 0.01 min
Lab File: BF095696.D
Acq: 6 Jun 2017 3:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 20786
Ion Ratio Lower Upper
252 100
253 27.3 18.1 27.1#
125 28.6 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 2.99 ng
RT: 19.63 min Scan# 3076
Delta R.T. -0.01 min
Lab File: BF095696.D
Acq: 6 Jun 2017 3:30

Tgt Ion:252 Resp: 20831
Ion Ratio Lower Upper
252 100
253 27.3 18.4 27.6
125 28.6 13.1 19.7#

