

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
 Data File : BF096067.D
 Acq On : 21 Jun 2017 5:09
 Operator : SJ/MA
 Sample : I3722-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 21 06:08:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	56439	20.00	ng	0.00
21) Naphthalene-d8	9.32	136	212451	20.00	ng	0.00
38) Acenaphthene-d10	12.16	164	24925	20.00	ng	0.00
63) Phenanthrene-d10	14.51	188	890	20.00	ng	-0.03
75) Chrysene-d12	18.43	240	38036	20.00	ng	0.16
86) Perylene-d12	20.00	264	57043	20.00	ng	0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	473517	133.69	ng	0.00
7) Phenol-d6	6.88	99	583480	137.60	ng	0.00
23) Nitrobenzene-d5	8.21	82	279687	81.76	ng	-0.01
41) 2,4,6-Tribromophenol	13.46	330	10105	45.82	ng	0.01
44) 2-Fluorobiphenyl	11.14	172	621548	347.01	ng	0.03
78) Terphenyl-d14	17.14	244	105323	68.72	ng	0.21

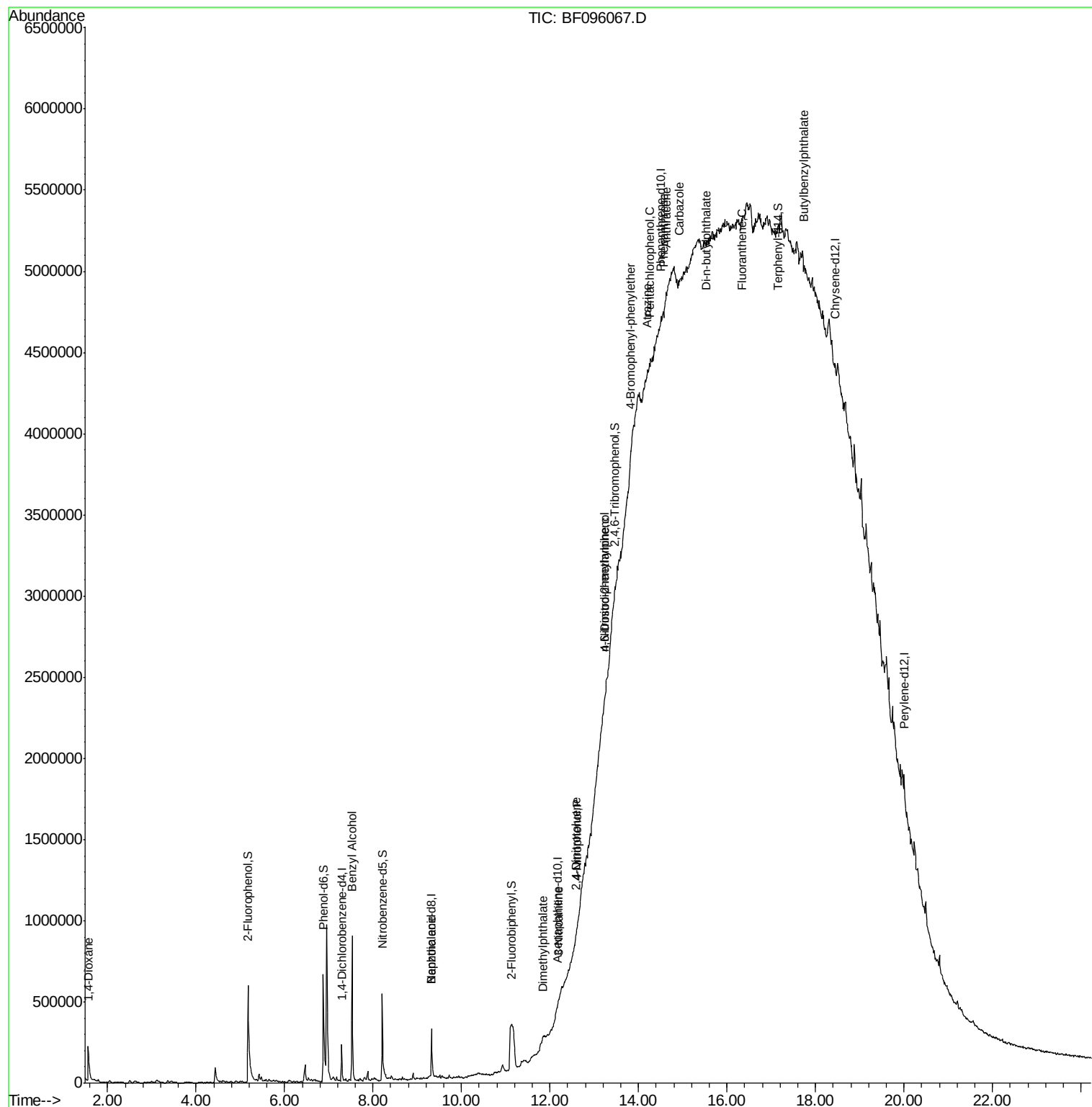
Target Compounds						Qvalue	
2) 1,4-Dioxane	1.56	88	11949	7.09	ng	#	21
15) Benzyl Alcohol	7.53	79	5872	2.02	ng	#	33
32) Benzoic acid	9.32	122	1375	5.78	ng	#	60
49) Dimethylphthalate	11.85	163	96605	51.05	ng	#	93
52) 3-Nitroaniline	12.19	138	1187	2.47	ng	#	18
55) 4-Nitrophenol	12.61	139	1088	8.28	ng	#	1
56) 2,4-Dinitrotoluene	12.59	165	1626	2.92	ng	#	48
64) 4,6-Dinitro-2-methylphenol	13.23	198	527	90.09	ng	#	1
65) n-Nitrosodiphenylamine	13.23	169	327	10.23	ng	#	1
66) 4-Bromophenyl-phenylether	13.82	248	438	47.35	ng	#	1
68) Atrazine	14.19	200	251	28.20	ng	#	1
69) Pentachlorophenol	14.25	266	1530	412.78	ng	#	51
70) Phenanthrene	14.56	178	523	10.18	ng	#	1
71) Anthracene	14.62	178	1929	35.98	ng	#	1
72) Carbazole	14.93	167	766	14.66	ng	#	1
73) Di-n-butylphthalate	15.53	149	2255	40.57	ng	#	25
74) Fluoranthene	16.34	202	778	15.31	ng	#	1
79) Butylbenzylphthalate	17.74	149	3656	2.95	ng	#	15

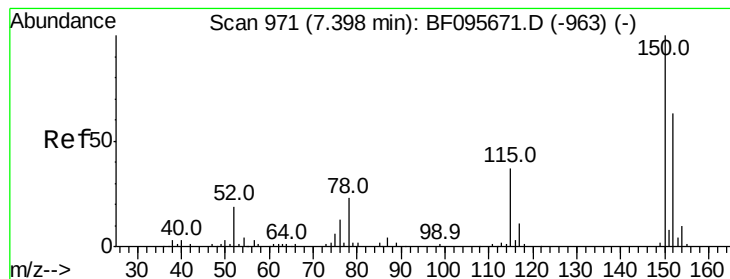
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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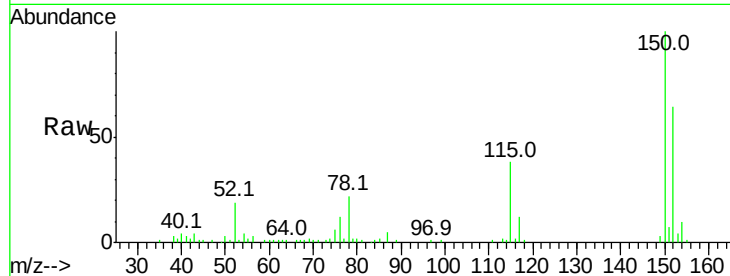


#1

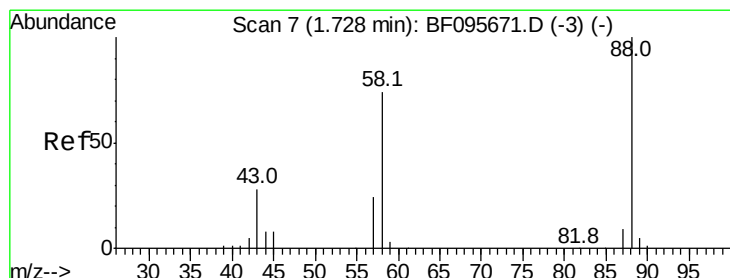
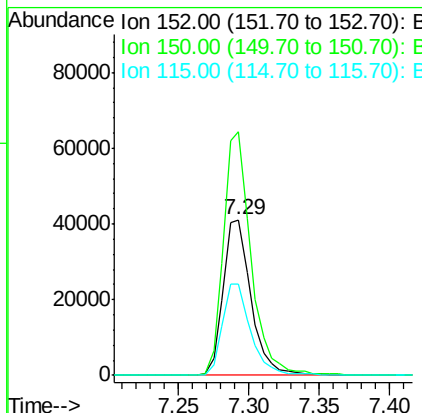
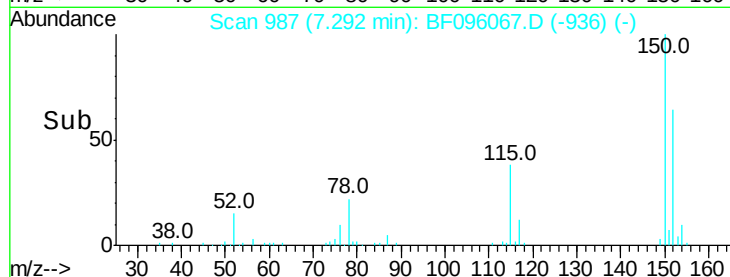
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF096067.D
Acq: 21 Jun 2017 5:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 56439
Ion Ratio Lower Upper
152 100
150 156.8 126.2 189.2
115 59.1 52.2 78.2



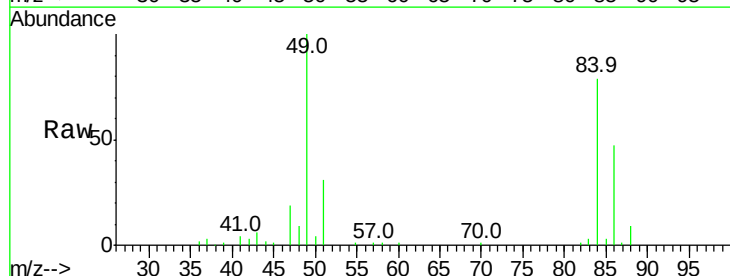
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



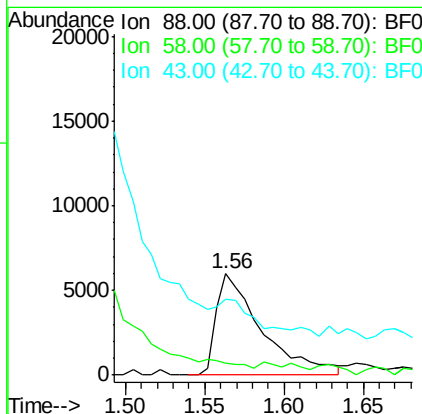
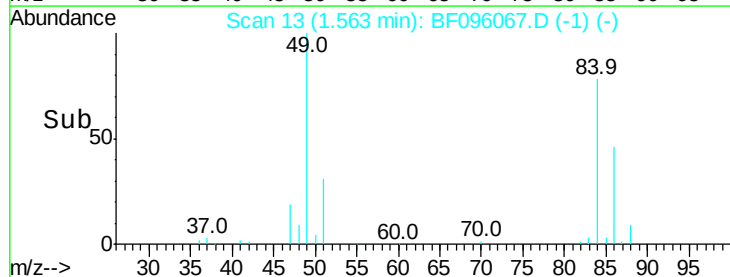
#2

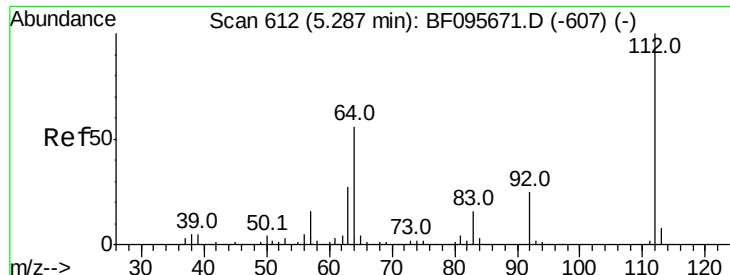
1,4-Dioxane
Concen: 7.09 ng
RT: 1.56 min Scan# 13
Delta R.T. -0.05 min
Lab File: BF096067.D
Acq: 21 Jun 2017 5:09

Tgt Ion: 88 Resp: 11949
Ion Ratio Lower Upper
88 100
58 0.0 61.4 92.0#
43 0.0 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

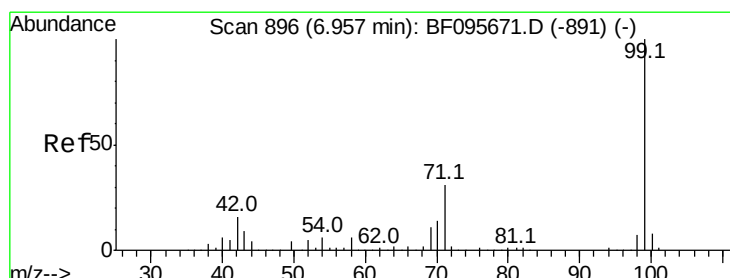
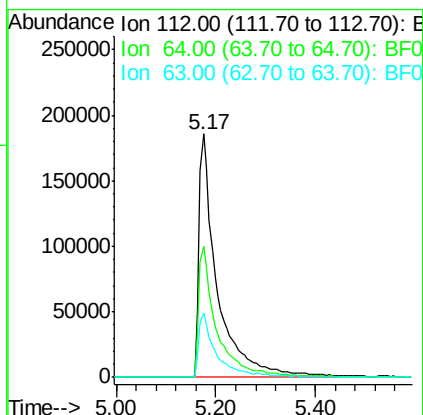
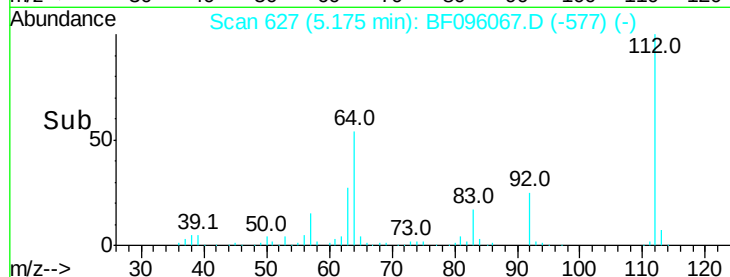
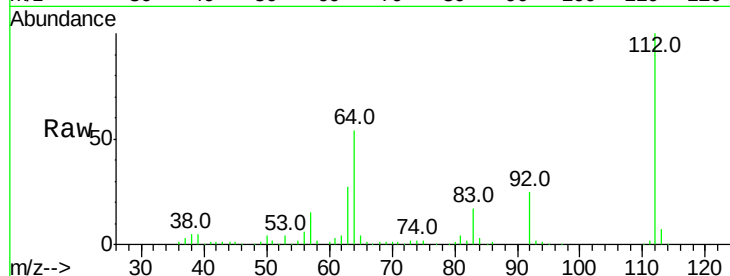




#5
 2-Fluorophenol
 Concen: 133.69 ng
 RT: 5.17 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF096067.D
 Acq: 21 Jun 2017 5:09

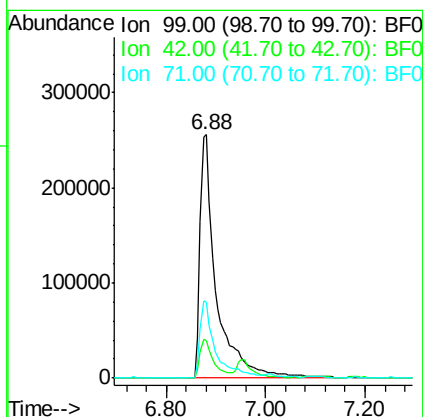
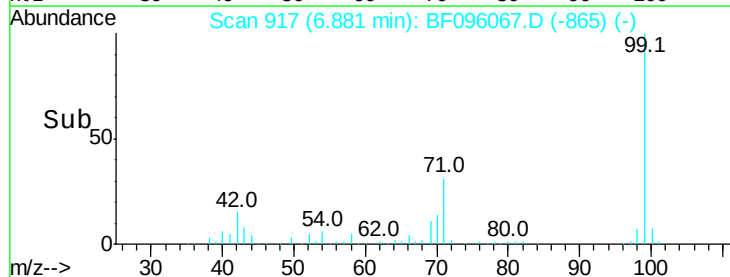
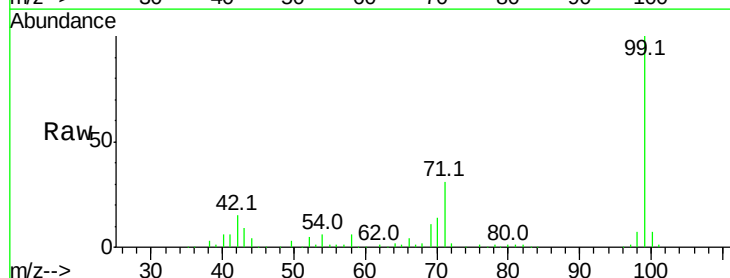
Instrument :
 BNA_F
 ClientSampleId :

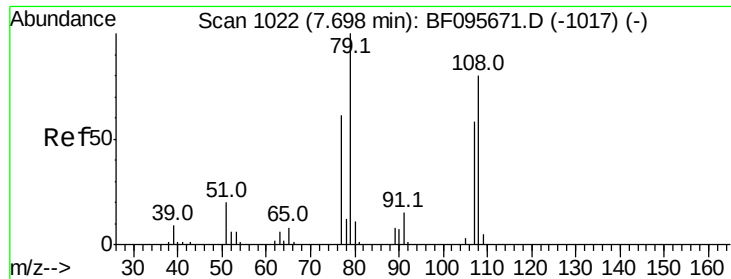
Tot Ion:	112	Resp:	473517
Ion	Ratio	Lower	Upper
112	100		
64	54.0	46.0	69.0
63	26.7	23.4	35.0



#7
 Phenol-d6
 Concen: 137.60 ng
 RT: 6.88 min Scan# 917
 Delta R.T. 0.01 min
 Lab File: BF096067.D
 Acq: 21 Jun 2017 5:09

Tgt Ion:	99	Resp:	583480
Ion	Ratio	Lower	Upper
99	100		
42	15.4	13.5	20.3
71	31.1	24.5	36.7

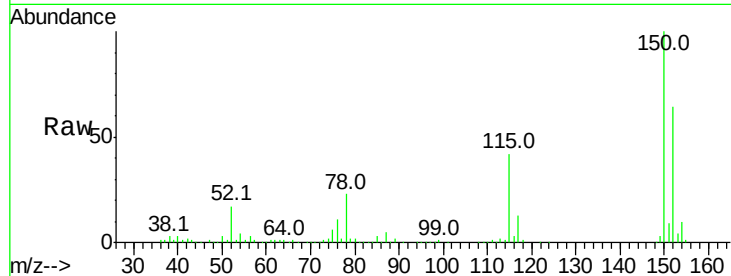




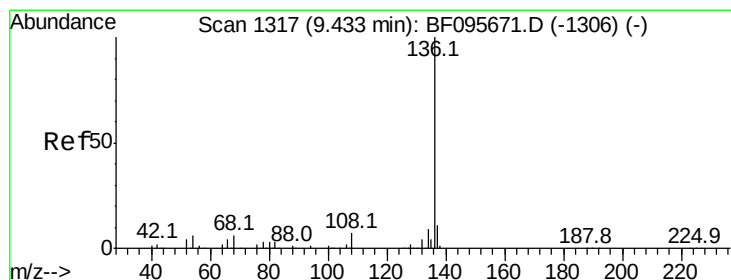
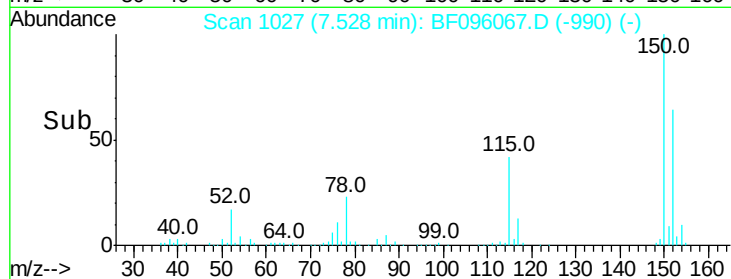
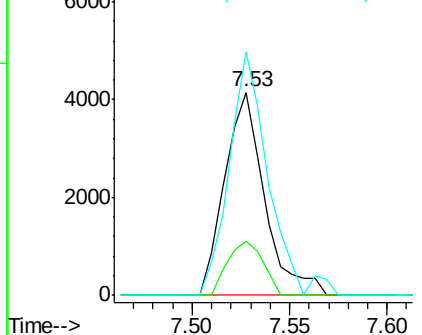
#15
Benzyl Alcohol
Concen: 2.02 ng
RT: 7.53 min Scan# 1027
Delta R.T. -0.08 min
Lab File: BF096067.D
Acq: 21 Jun 2017 5:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 79 Resp: 5872
Ion Ratio Lower Upper
79 100
108 26.4 63.4 95.0#
77 119.8 49.2 73.8#

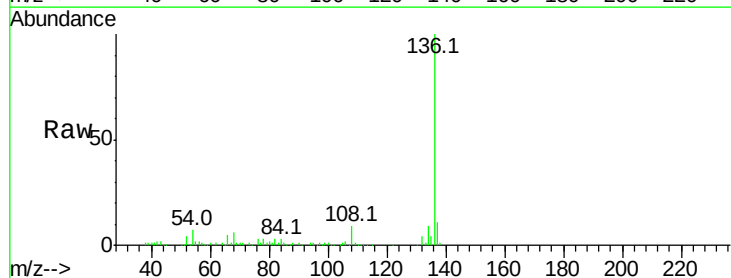


Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0

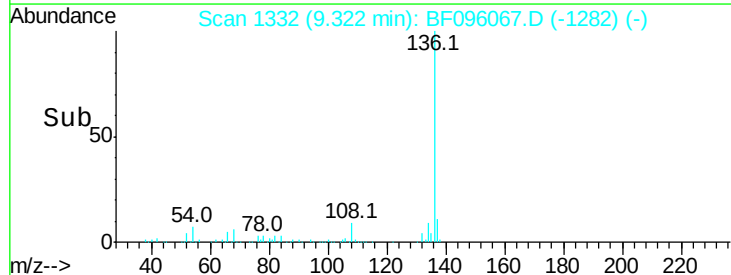
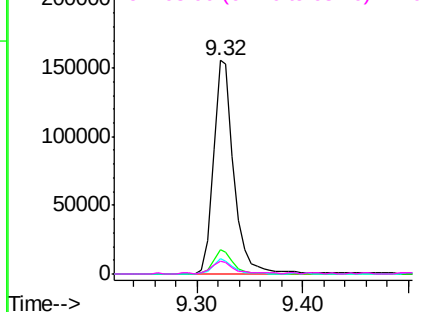


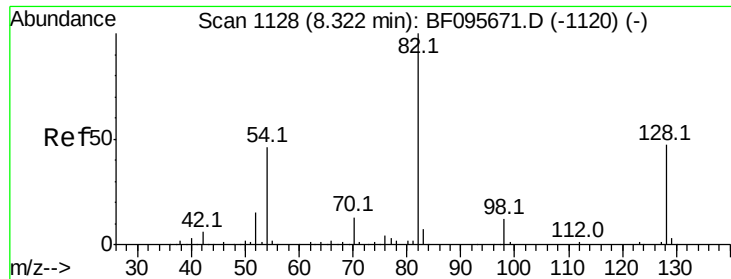
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.32 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF096067.D
Acq: 21 Jun 2017 5:09

Tgt Ion: 136 Resp: 212451
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 7.4 4.9 7.3#
68 6.2 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

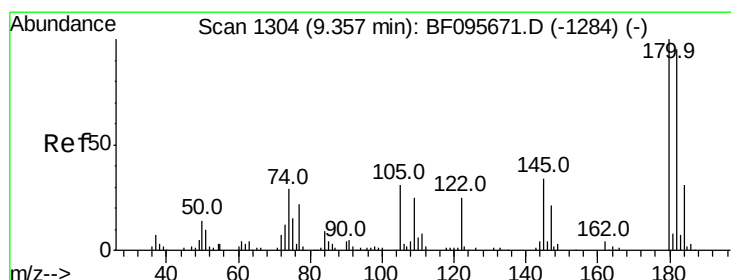
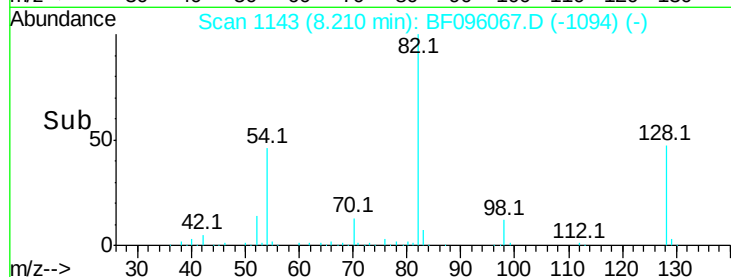
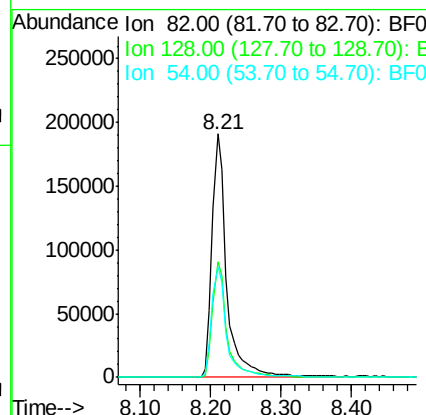
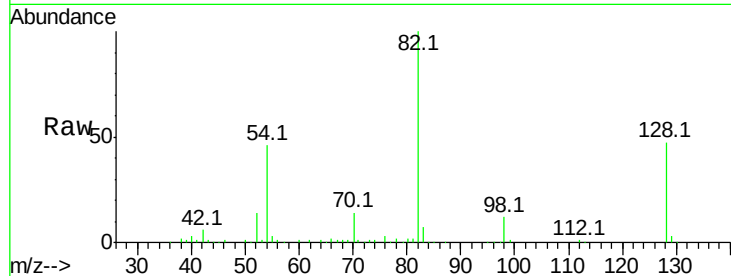




#23
 Nitrobenzene-d5
 Concen: 81.76 ng
 RT: 8.21 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: BF096067.D
 Acq: 21 Jun 2017 5:09

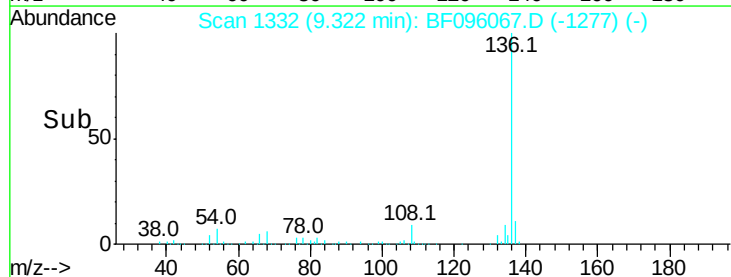
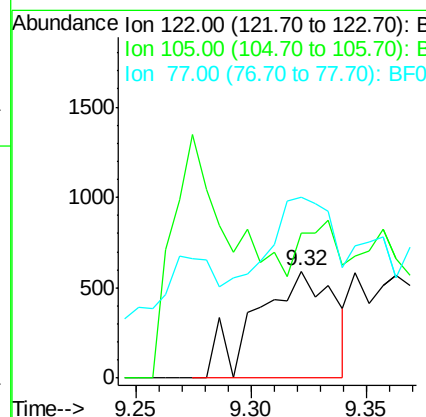
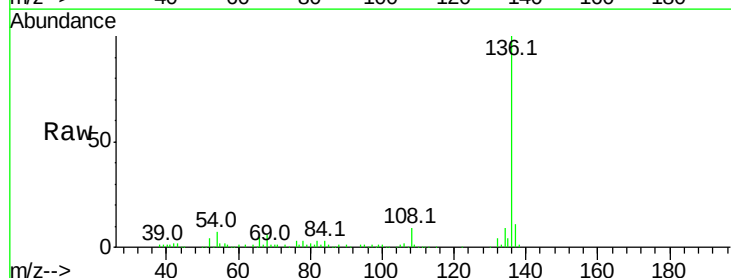
Instrument :
 BNA_F
 ClientSampled :

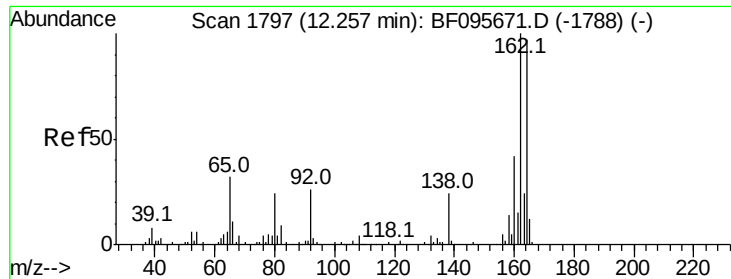
Tot Ion: 82 Resp: 279687
 Ion Ratio Lower Upper
 82 100
 128 47.3 34.0 51.0
 54 45.6 42.2 63.2



#32
 Benzoic acid
 Concen: 5.78 ng
 RT: 9.32 min Scan# 1332
 Delta R.T. 0.02 min
 Lab File: BF096067.D
 Acq: 21 Jun 2017 5:09

Tgt Ion:122 Resp: 1375
 Ion Ratio Lower Upper
 122 100
 105 136.1 103.3 143.3
 77 168.8 73.7 113.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.16 min Scan# 1814

Delta R.T. 0.01 min

Lab File: BF096067.D

Acq: 21 Jun 2017 5:09

Instrument :

BNA_F

ClientSampleId :

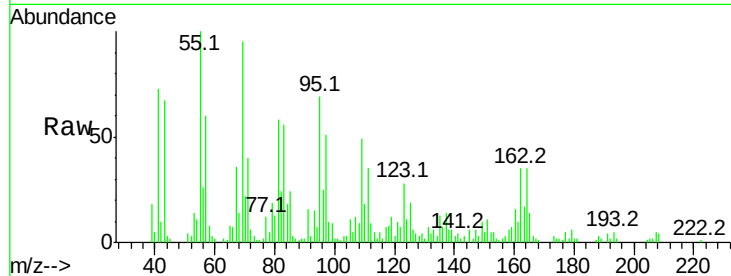
Tot Ion:164 Resp: 24925

Ion Ratio Lower Upper

164 100

162 98.5 82.6 123.8

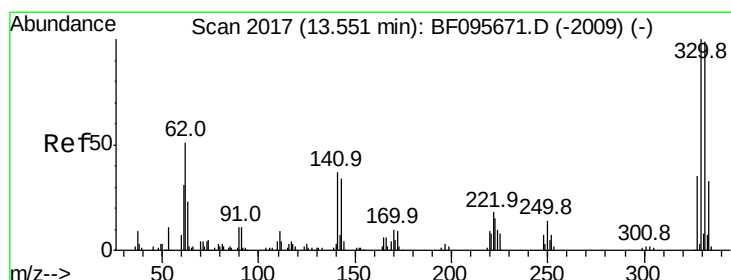
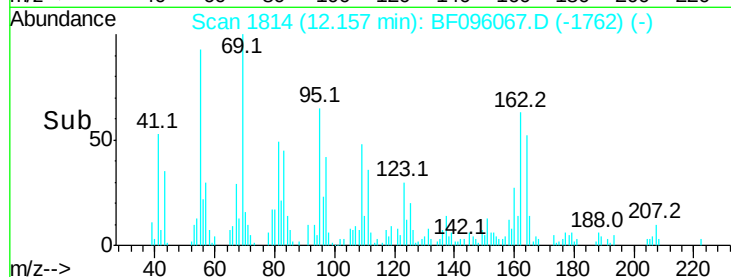
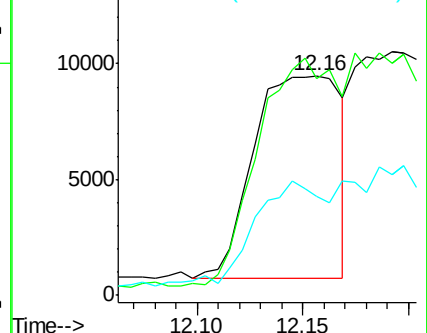
160 45.2 36.2 54.2



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: 45.82 ng

RT: 13.46 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BF096067.D

Acq: 21 Jun 2017 5:09

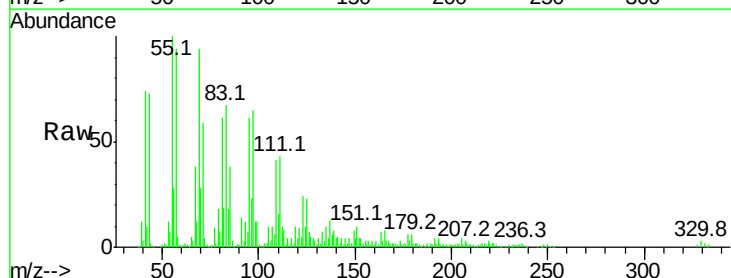
Tgt Ion:330 Resp: 10105

Ion Ratio Lower Upper

330 100

332 127.1 76.6 115.0#

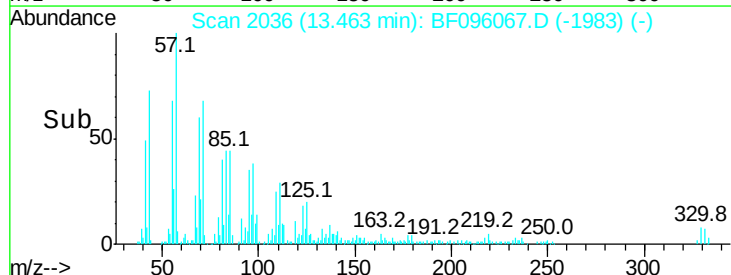
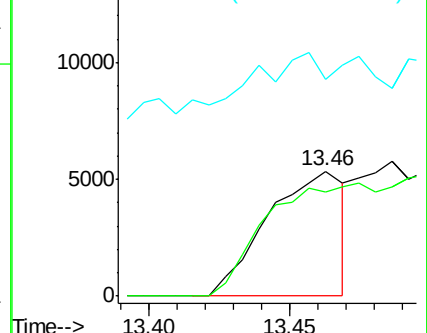
141 31.1 31.4 47.2#

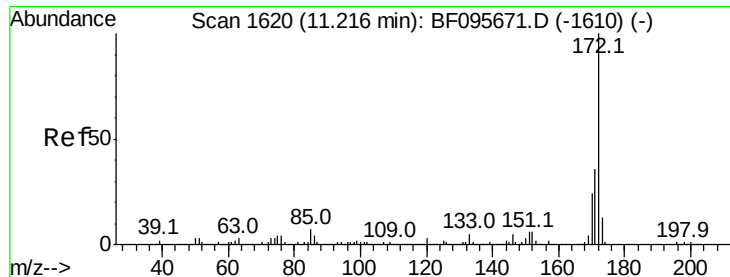


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

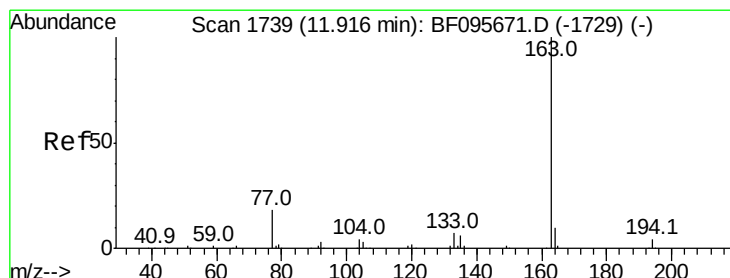
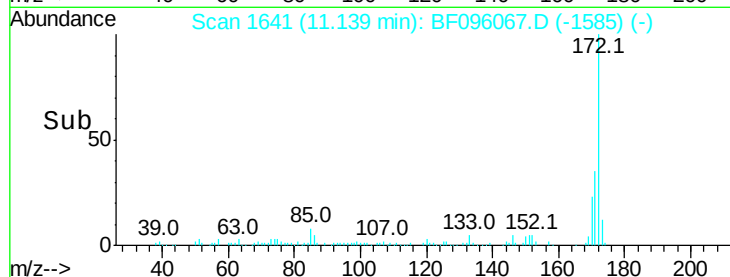
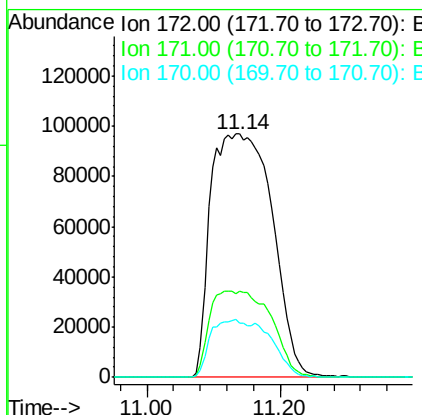
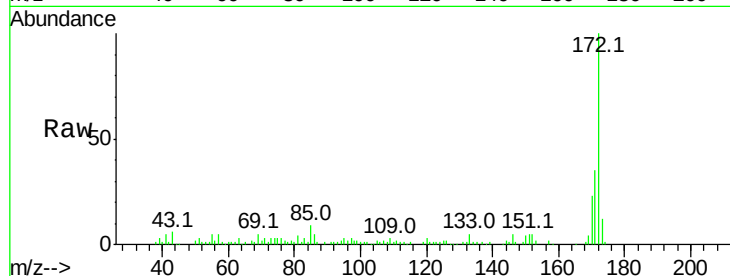




#44
2-Fluorobiphenyl
Concen: 347.01 ng
RT: 11.14 min Scan# 1641
Delta R.T. 0.03 min
Lab File: BF096067.D
Acq: 21 Jun 2017 5:09

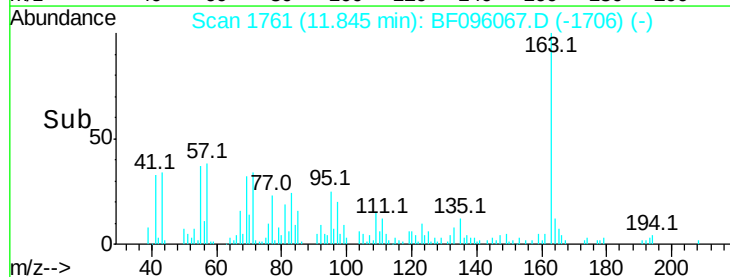
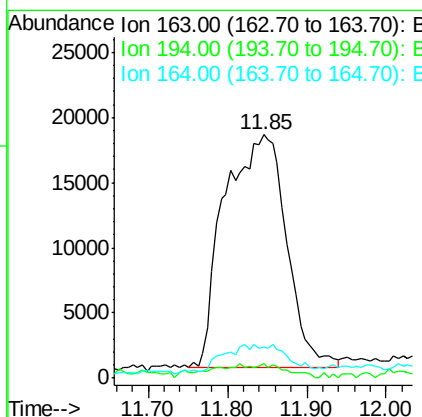
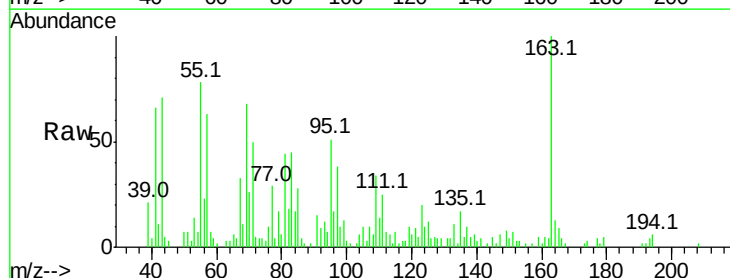
Instrument :
BNA_F
ClientSampleId :

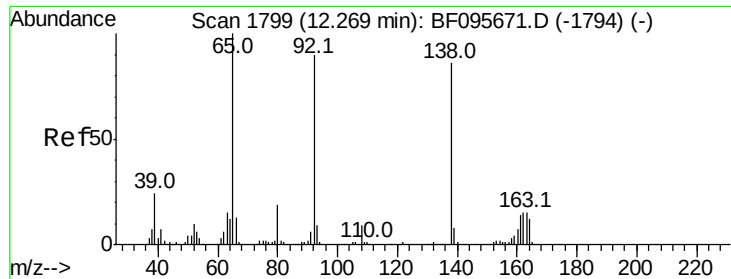
Tot Ion:172 Resp: 621548
Ion Ratio Lower Upper
172 100
171 35.4 29.6 44.4
170 22.5 19.8 29.8



#49
Dimethylphthalate
Concen: 51.05 ng
RT: 11.85 min Scan# 1761
Delta R.T. 0.02 min
Lab File: BF096067.D
Acq: 21 Jun 2017 5:09

Tgt Ion:163 Resp: 96605
Ion Ratio Lower Upper
163 100
194 6.0 2.6 4.0#
164 12.9 8.4 12.6#





#52

3-Nitroaniline

Concen: 2.47 ng

RT: 12.19 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF096067.D

Acq: 21 Jun 2017 5:09

Instrument :

BNA_F

ClientSampleId :

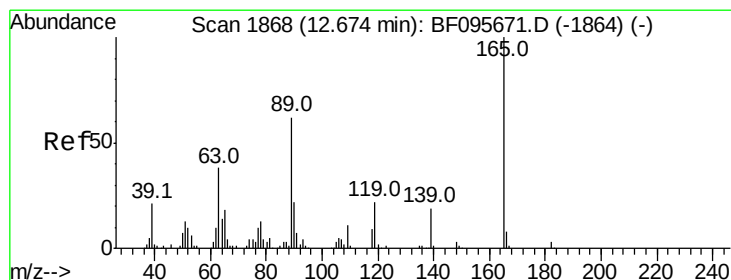
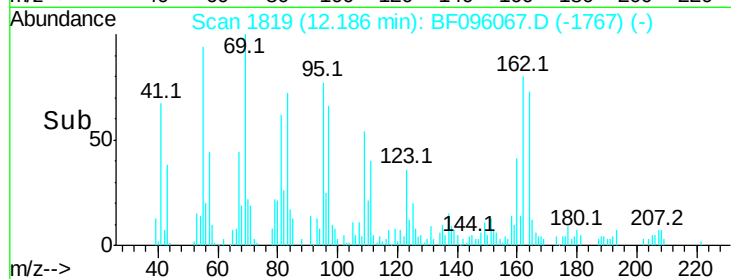
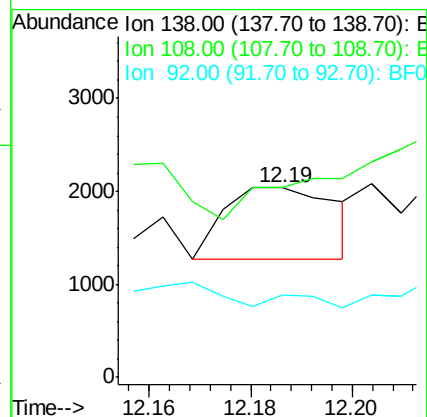
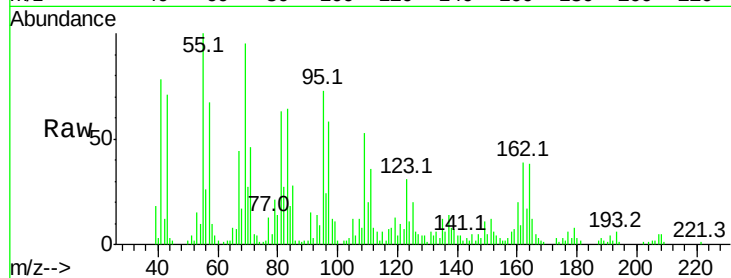
Tot Ion:138 Resp: 1187

Ion Ratio Lower Upper

138 100

108 100.4 9.1 13.7#

92 43.5 93.8 140.6#



#55

4-Nitrophenol

Concen: 8.28 ng

RT: 12.61 min Scan# 1891

Delta R.T. -0.02 min

Lab File: BF096067.D

Acq: 21 Jun 2017 5:09

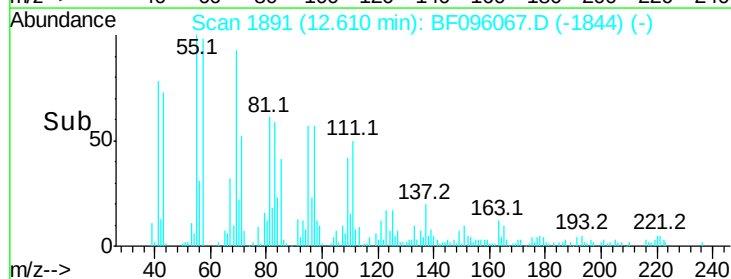
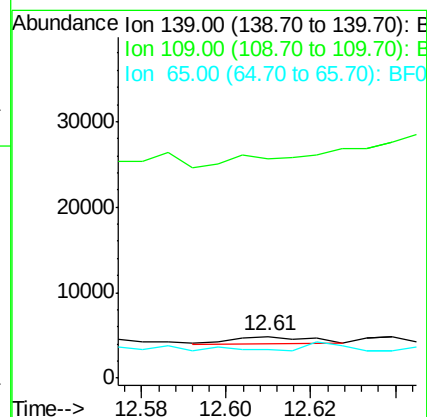
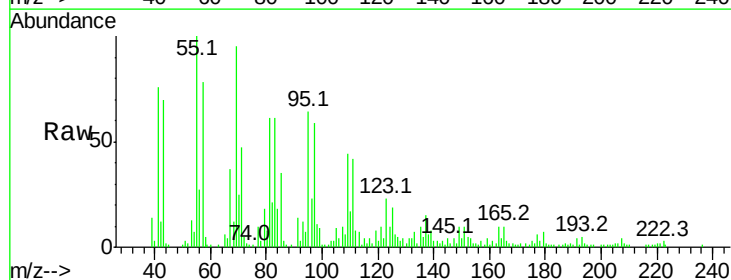
Tgt Ion:139 Resp: 1088

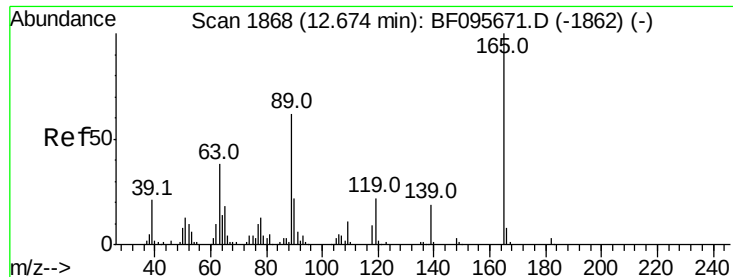
Ion Ratio Lower Upper

139 100

109 528.8 34.1 74.1#

65 70.5 31.4 71.4





#56

2,4-Dinitrotoluene

Concen: 2.92 ng

RT: 12.59 min Scan# 1887

Delta R.T. 0.00 min

Lab File: BF096067.D

Acq: 21 Jun 2017 5:09

Instrument :

BNA_F

ClientSampled :

Tot Ion:165 Resp: 1626

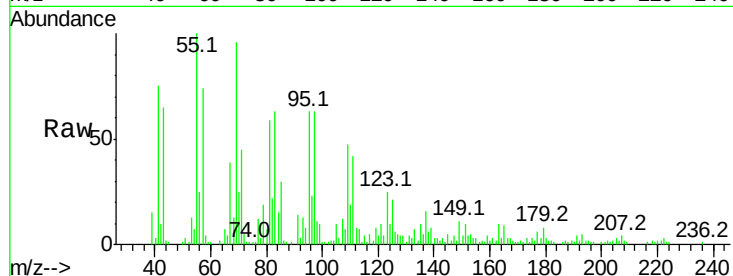
Ion Ratio Lower Upper

165 100

63 17.9 25.4 38.0#

89 8.3 46.4 69.6#

182 16.4 1.8 2.6#

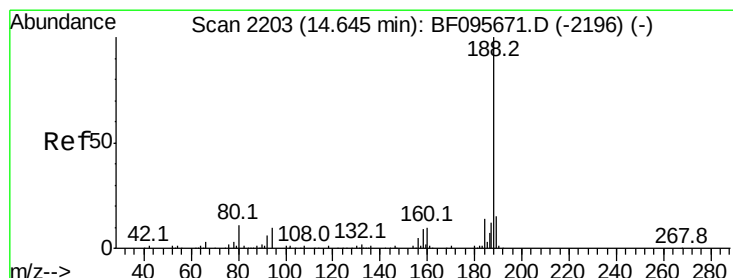
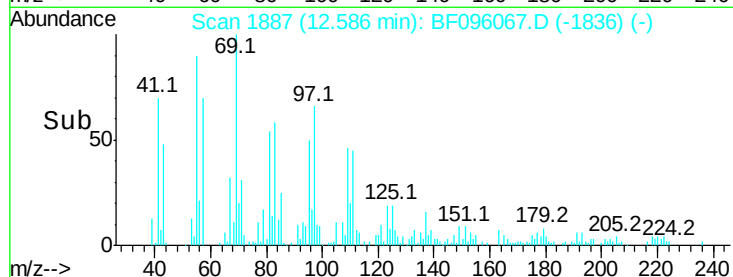
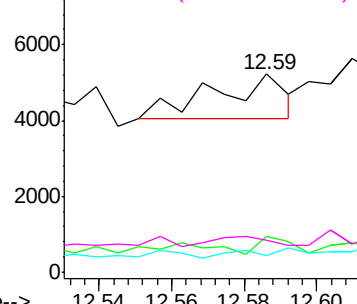


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.51 min Scan# 2214

Delta R.T. -0.03 min

Lab File: BF096067.D

Acq: 21 Jun 2017 5:09

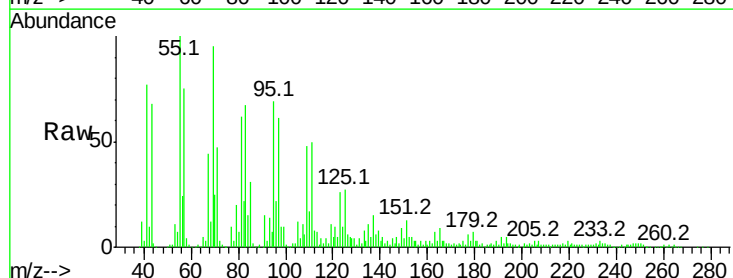
Tgt Ion:188 Resp: 890

Ion Ratio Lower Upper

188 100

94 918.6 9.4 14.2#

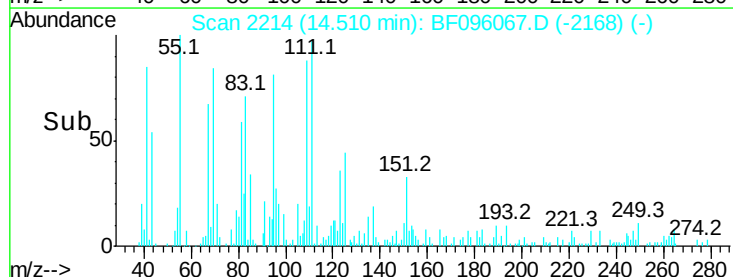
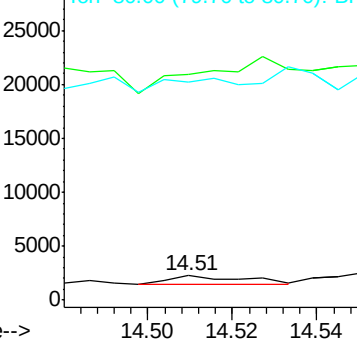
80 889.5 10.2 15.2#

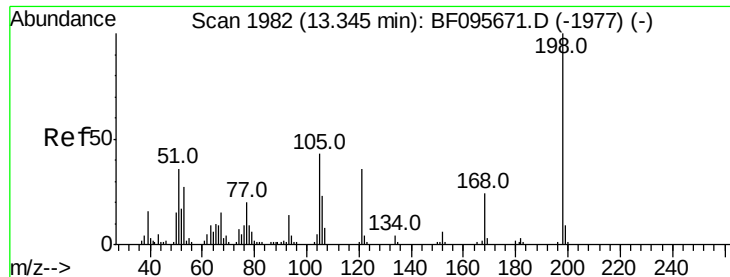


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 90.09 ng

RT: 13.23 min Scan# 1996

Delta R.T. -0.04 min

Lab File: BF096067.D

Acq: 21 Jun 2017 5:09

Instrument :

BNA_F

ClientSampleId :

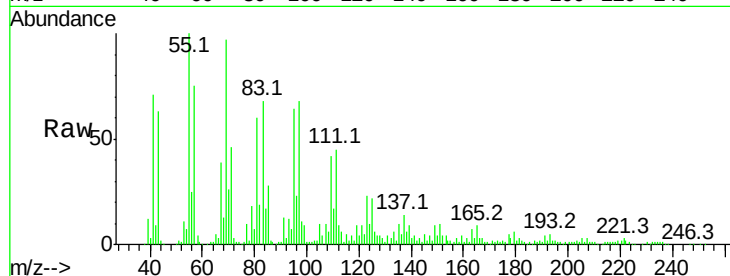
Tot Ion:198 Resp: 527

Ion Ratio Lower Upper

198 100

51 656.2 53.2 93.2#

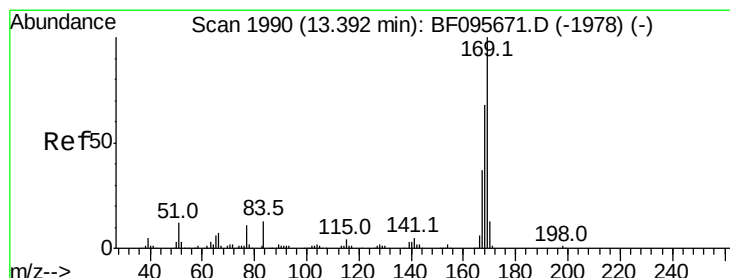
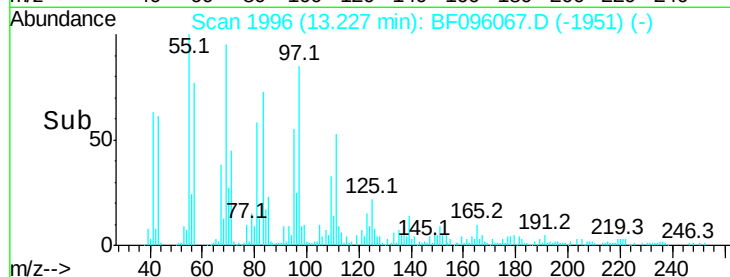
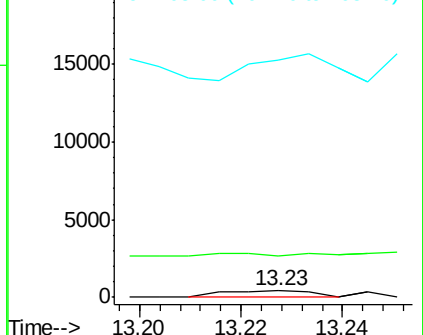
105 3807.7 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 10.23 ng

RT: 13.23 min Scan# 1997

Delta R.T. -0.05 min

Lab File: BF096067.D

Acq: 21 Jun 2017 5:09

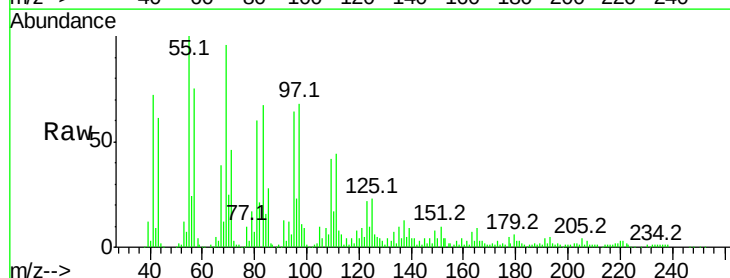
Tgt Ion:169 Resp: 327

Ion Ratio Lower Upper

169 100

168 128.3 53.2 79.8#

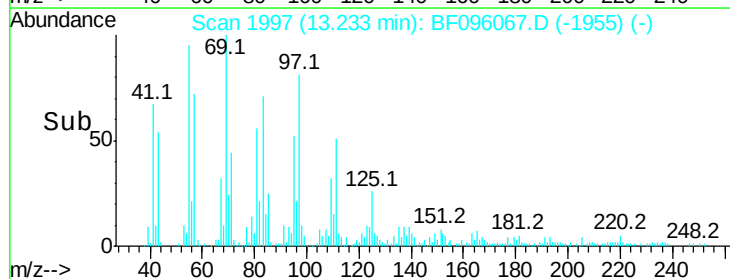
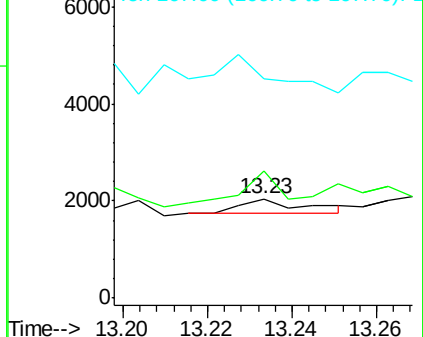
167 221.1 29.5 44.3#

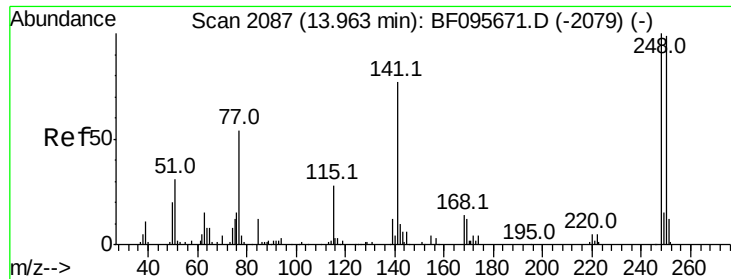


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

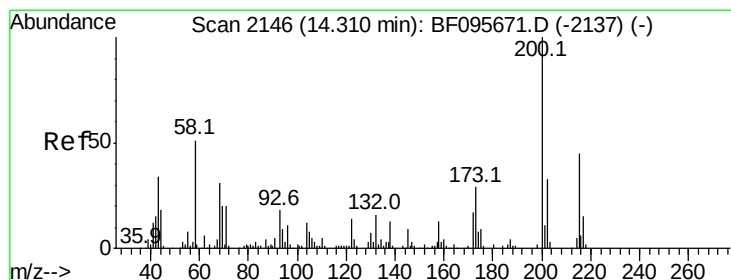
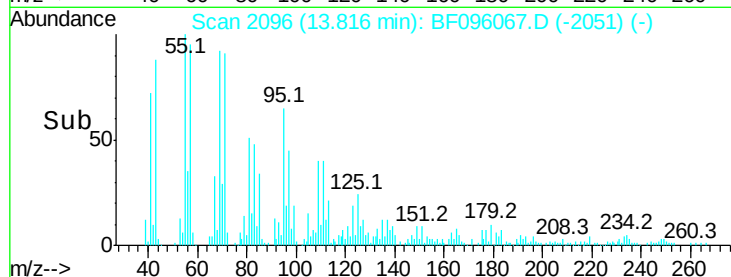
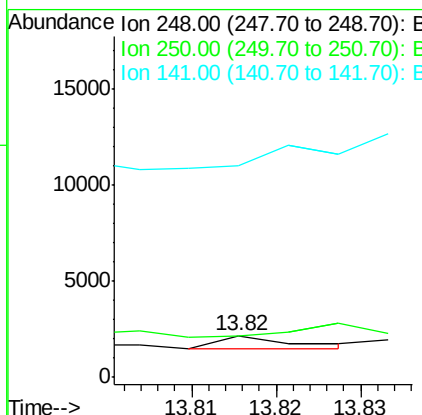
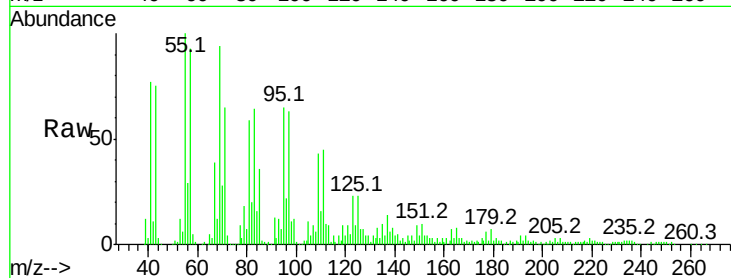




#66
4-Bromophenyl-phenylether
Concen: 47.35 ng
RT: 13.82 min Scan# 2096
Delta R.T. -0.04 min
Lab File: BF096067.D
Acq: 21 Jun 2017 5:09

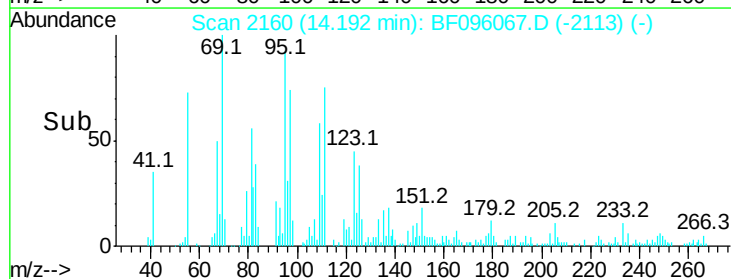
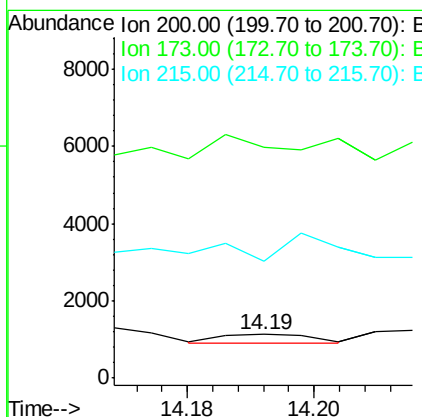
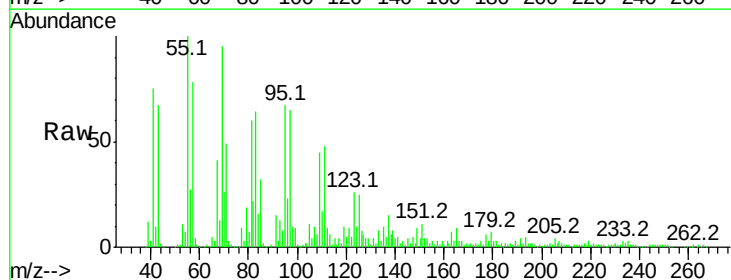
Instrument :
BNA_F
ClientSampleId :

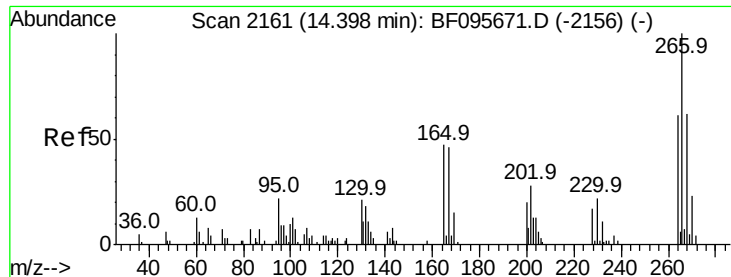
Tot Ion:248 Resp: 438
Ion Ratio Lower Upper
248 100
250 99.8 76.8 115.2
141 507.0 68.6 103.0#



#68
Atrazine
Concen: 28.20 ng
RT: 14.19 min Scan# 2160
Delta R.T. -0.02 min
Lab File: BF096067.D
Acq: 21 Jun 2017 5:09

Tgt Ion:200 Resp: 251
Ion Ratio Lower Upper
200 100
173 530.8 6.3 46.3#
215 268.5 27.2 67.2#

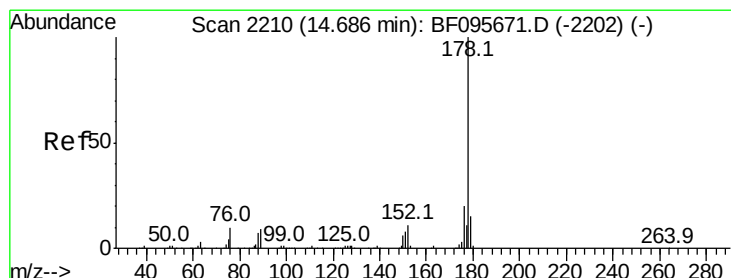
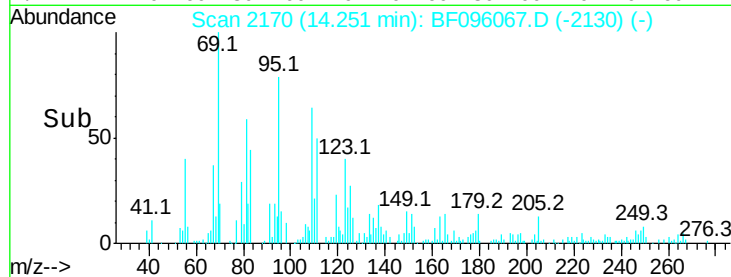
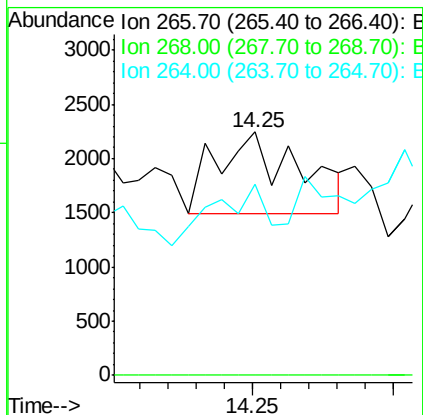
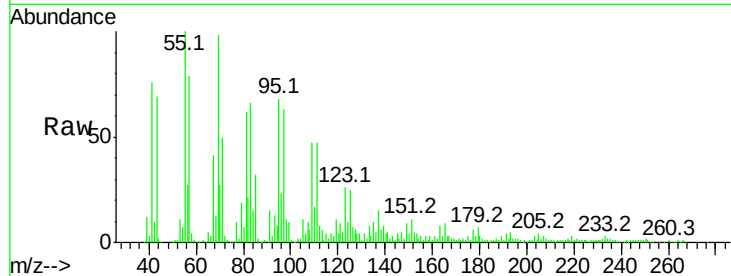




#69
 Pentachlorophenol
 Concen: 412.78 ng
 RT: 14.25 min Scan# 2170
 Delta R.T. -0.06 min
 Lab File: BF096067.D
 Acq: 21 Jun 2017 5:09

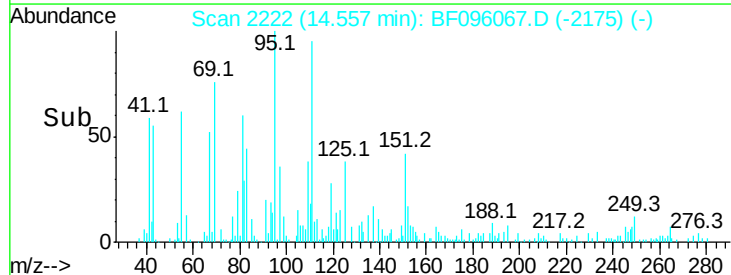
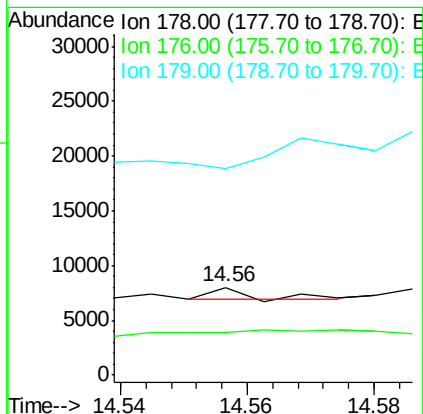
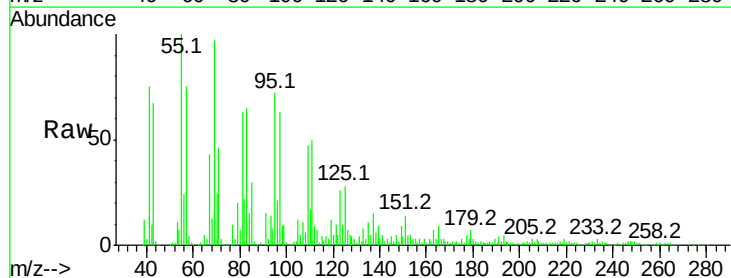
Instrument :
 BNA_F
 ClientSampleId :

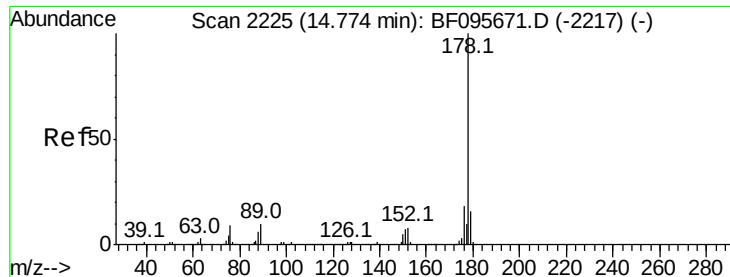
Tot Ion:266 Resp: 1530
 Ion Ratio Lower Upper
 266 100
 268 0.0 51.1 76.7#
 264 78.4 51.7 77.5#



#70
 Phenanthrene
 Concen: 10.18 ng
 RT: 14.56 min Scan# 2222
 Delta R.T. -0.02 min
 Lab File: BF096067.D
 Acq: 21 Jun 2017 5:09

Tgt Ion:178 Resp: 523
 Ion Ratio Lower Upper
 178 100
 176 48.7 16.2 24.4#
 179 236.9 12.6 19.0#





#71

Anthracene

Concen: 35.98 ng

RT: 14.62 min Scan# 2233

Delta R.T. -0.05 min

Lab File: BF096067.D

Acq: 21 Jun 2017 5:09

Instrument :

BNA_F

ClientSampleId :

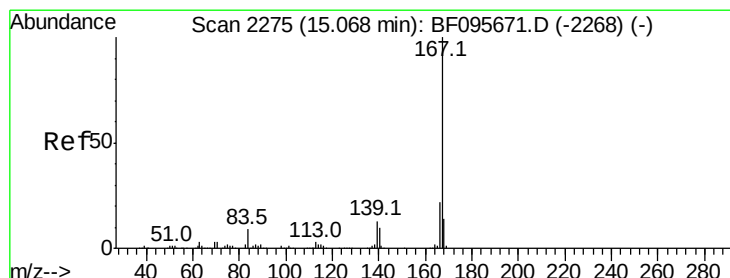
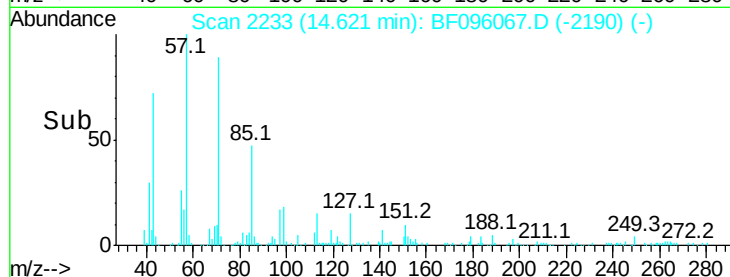
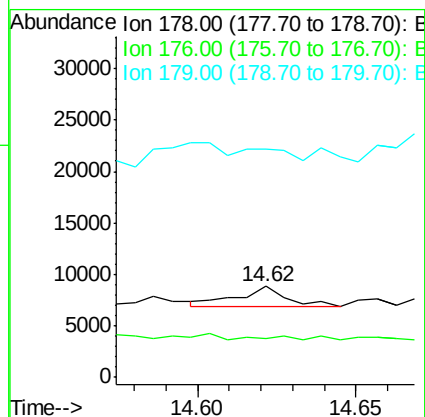
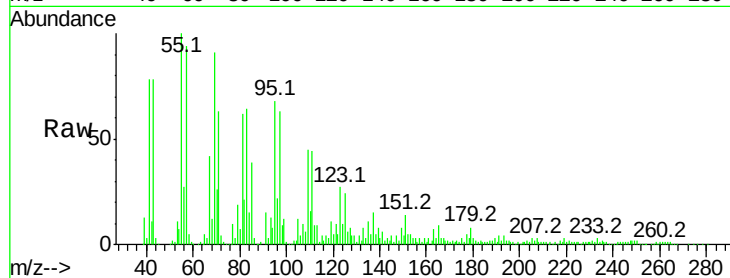
Tot Ion:178 Resp: 1929

Ion Ratio Lower Upper

178 100

176 42.6 15.8 23.8#

179 251.1 12.7 19.1#



#72

Carbazole

Concen: 14.66 ng

RT: 14.93 min Scan# 2285

Delta R.T. -0.04 min

Lab File: BF096067.D

Acq: 21 Jun 2017 5:09

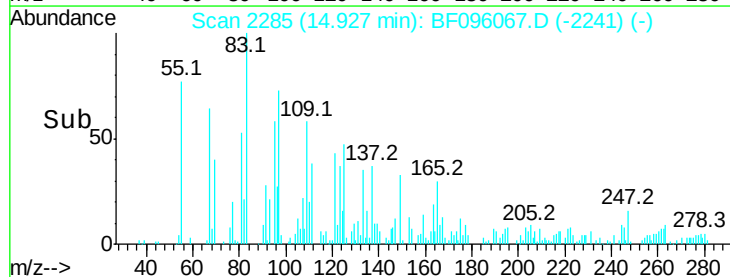
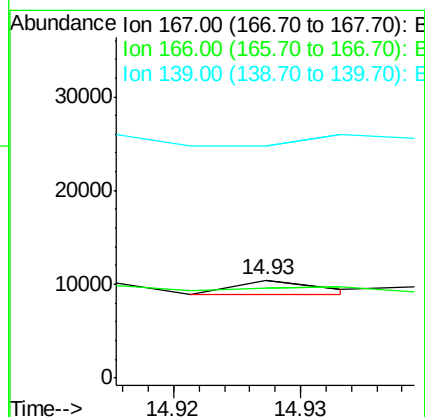
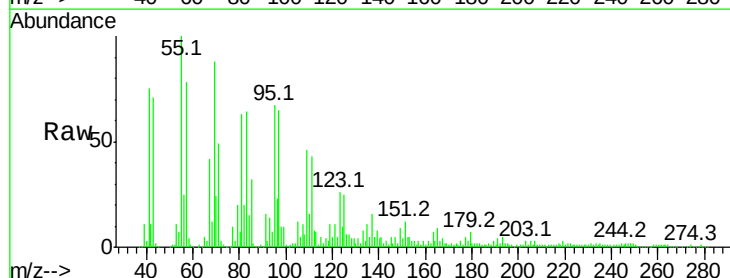
Tgt Ion:167 Resp: 766

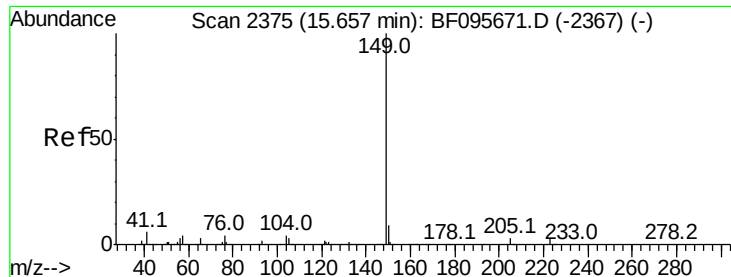
Ion Ratio Lower Upper

167 100

166 91.1 18.1 27.1#

139 236.4 11.7 17.5#





#73

Di-n-butylphthalate

Concen: 40.57 ng

RT: 15.53 min Scan# 2388

Delta R.T. -0.03 min

Lab File: BF096067.D

Acq: 21 Jun 2017 5:09

Instrument :

BNA_F

ClientSampleId :

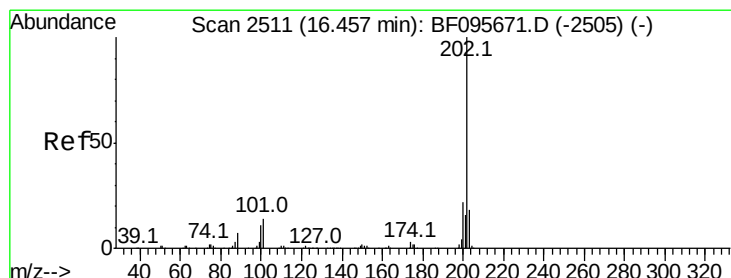
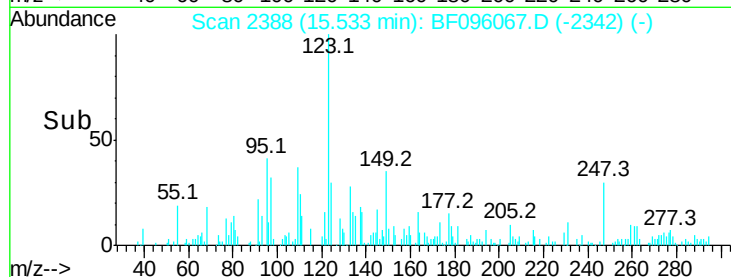
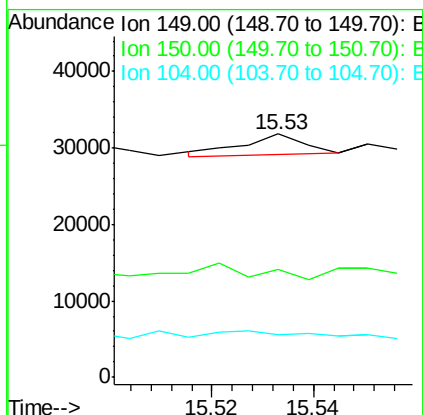
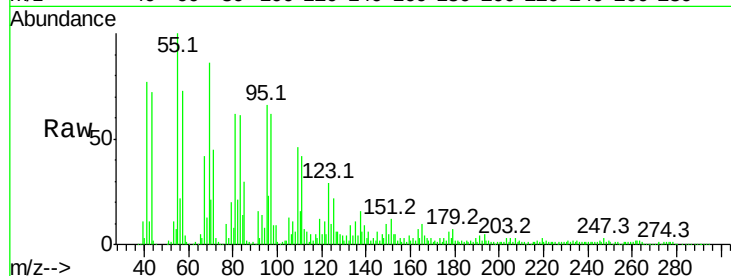
Tot Ion:149 Resp: 2255

Ion Ratio Lower Upper

149 100

150 44.6 7.7 11.5#

104 17.3 4.0 6.0#



#74

Fluoranthene

Concen: 15.31 ng

RT: 16.34 min Scan# 2525

Delta R.T. -0.03 min

Lab File: BF096067.D

Acq: 21 Jun 2017 5:09

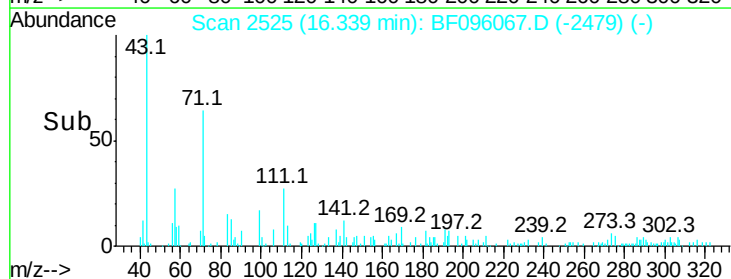
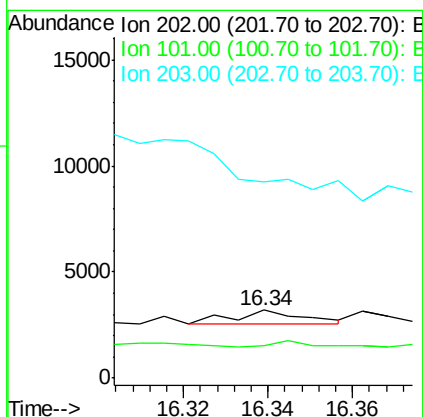
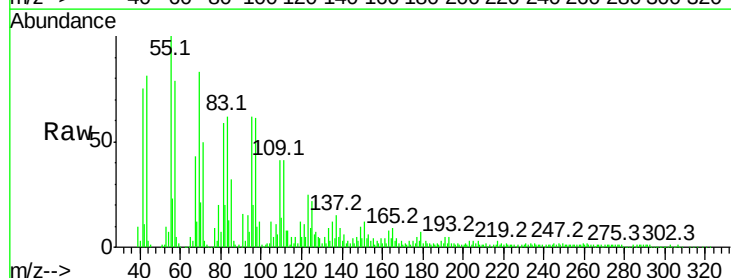
Tgt Ion:202 Resp: 778

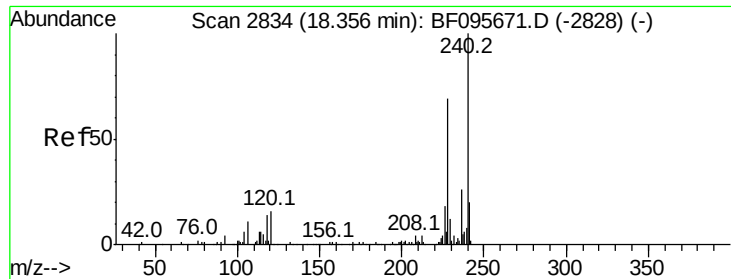
Ion Ratio Lower Upper

202 100

101 47.5 0.0 33.2#

203 289.2 0.0 38.1#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.43 min Scan# 2881

Delta R.T. 0.16 min

Lab File: BF096067.D

Acq: 21 Jun 2017 5:09

Instrument :

BNA_F

ClientSampleId :

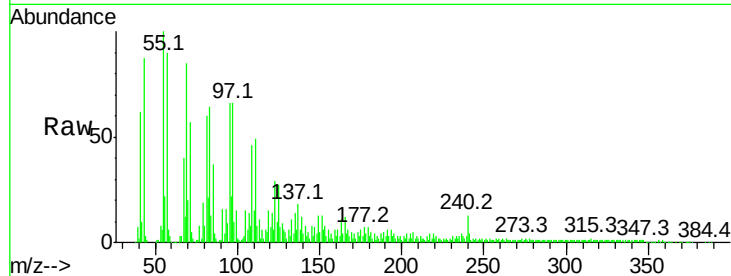
Tot Ion:240 Resp: 38036

Ion Ratio Lower Upper

240 100

120 55.6 5.8 8.8#

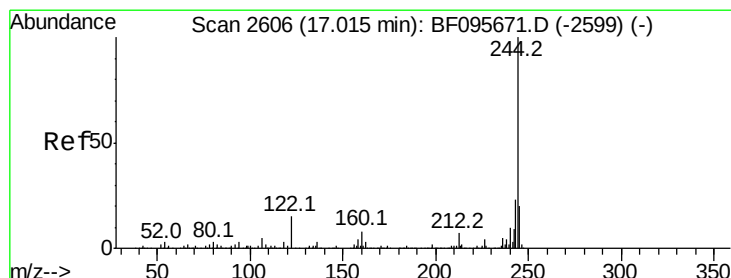
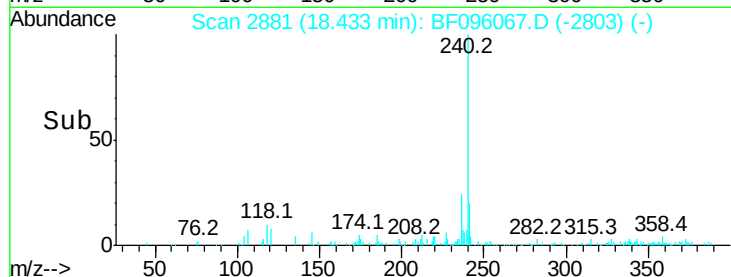
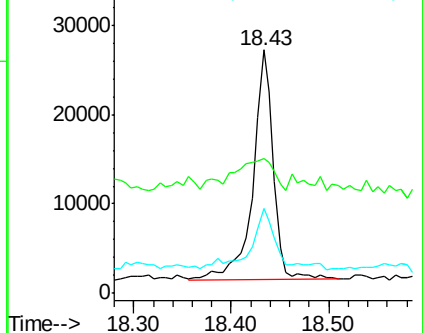
236 34.9 20.5 30.7#



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



#78

Terphenyl-d14

Concen: 68.72 ng

RT: 17.14 min Scan# 2661

Delta R.T. 0.21 min

Lab File: BF096067.D

Acq: 21 Jun 2017 5:09

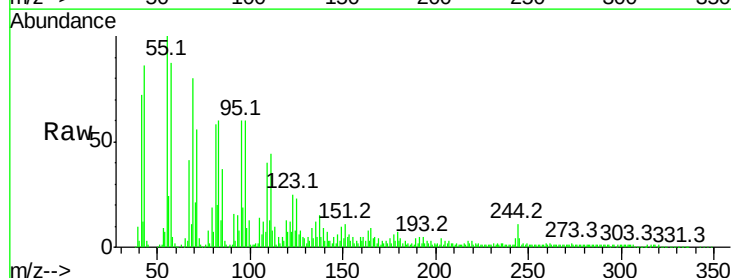
Tgt Ion:244 Resp: 105323

Ion Ratio Lower Upper

244 100

212 11.9 6.0 9.0#

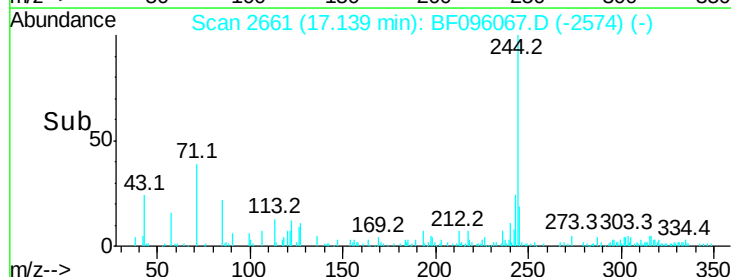
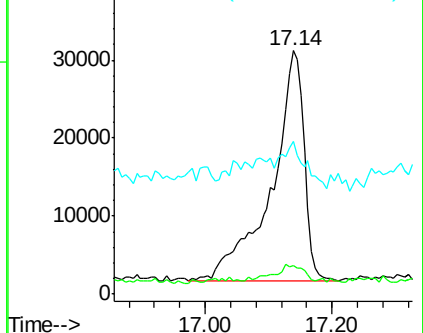
122 62.9 10.3 15.5#

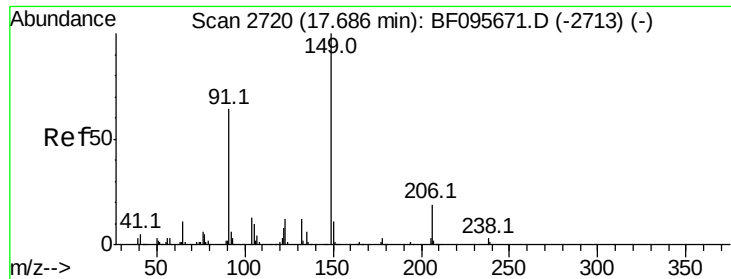


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

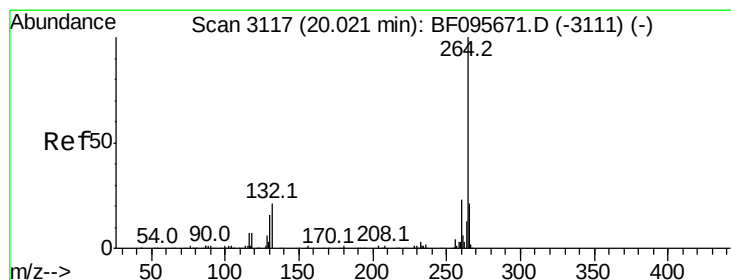
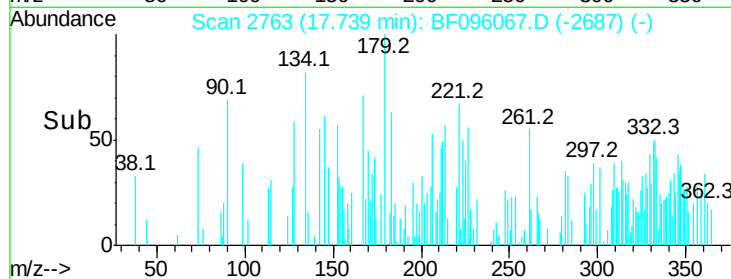
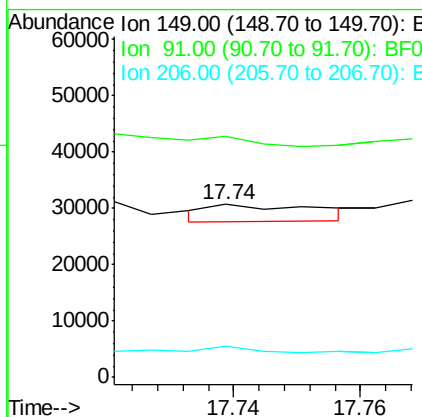
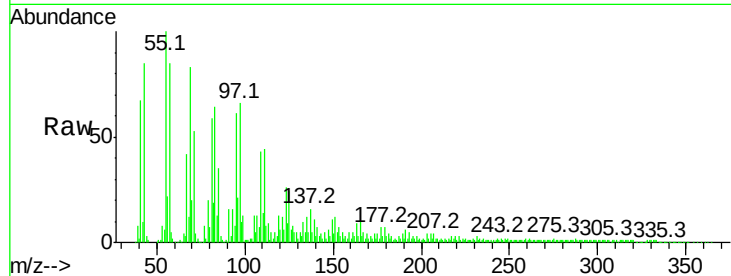




#79
Butylbenzylphthalate
Concen: 2.95 ng
RT: 17.74 min Scan# 2763
Delta R.T. 0.15 min
Lab File: BF096067.D
Acq: 21 Jun 2017 5:09

Instrument :
BNA_F
ClientSampleID :

Tot Ion:149 Resp: 3656
Ion Ratio Lower Upper
149 100
91 139.7 45.0 67.4#
206 17.9 17.0 25.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.00 min Scan# 3148
Delta R.T. 0.06 min
Lab File: BF096067.D
Acq: 21 Jun 2017 5:09

Tgt Ion:264 Resp: 57043
Ion Ratio Lower Upper
264 100
260 26.0 19.5 29.3
265 25.4 17.2 25.8

