

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062717\
 Data File : BF096227.D
 Acq On : 27 Jun 2017 20:21
 Operator : SJ/MA
 Sample : I3920-03 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 28 04:07:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\Methods\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 27 15:17:15 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	181767	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	746935	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	285586	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	390905	20.00	ng	0.00
75) Chrysene-d12	13.92	240	322165	20.00	ng	0.00
86) Perylene-d12	15.34	264	281188	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	352772	27.96	ng	0.00
7) Phenol-d6	6.40	99	425228	27.83	ng	0.00
23) Nitrobenzene-d5	7.33	82	223139	20.68	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	54150	24.09	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	317826	20.38	ng	-0.02
78) Terphenyl-d14	12.87	244	165278	12.80	ng	0.00

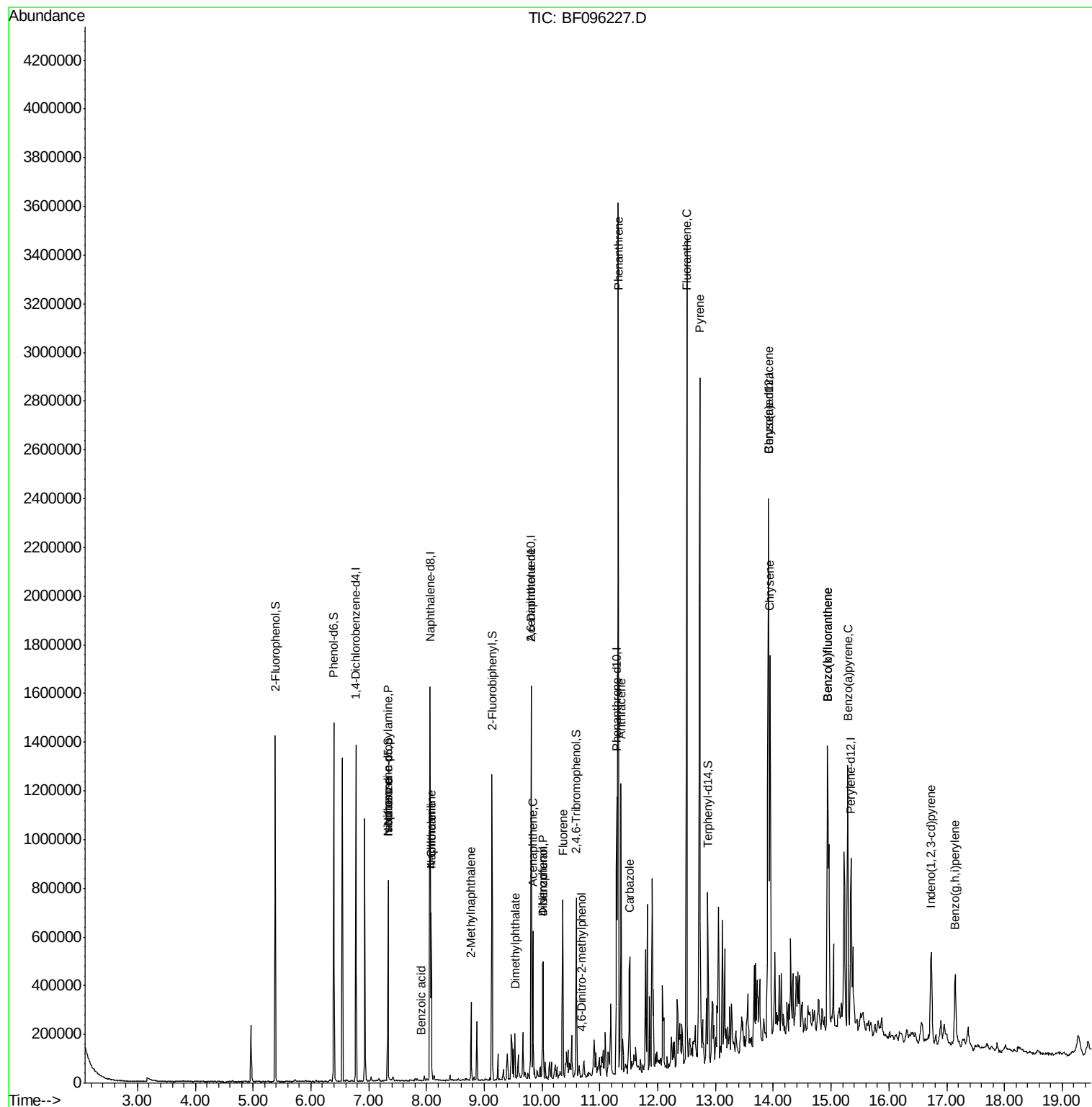
Target Compounds				Qvalue		
9) Benzaldehyde	6.32	77	433	Below Cal		89
19) n-Nitroso-di-n-propylamine	7.33	70	28511	3.12 ng	#	89
25) Isophorone	7.33	82	222936	9.10 ng	#	67
31) Naphthalene	8.08	128	254714	7.08 ng		99
32) Benzoic acid	7.90	122	126	8.80 ng	#	1
33) 4-Chloroaniline	8.08	127	33271	2.23 ng	#	30
37) 2-Methylnaphthalene	8.77	142	83679	3.58 ng		95
49) Dimethylphthalate	9.53	163	68423	3.35 ng	#	97
50) 2,6-Dinitrotoluene	9.81	165	38254	9.00 ng	#	35
51) Acenaphthene	9.84	154	129546	7.30 ng		97
54) Dibenzofuran	10.02	168	161341	6.96 ng		98
55) 4-Nitrophenol	10.02	139	60633	13.77 ng	#	27
57) Fluorene	10.36	166	190281	11.92 ng		100
64) 4,6-Dinitro-2-methylphenol	10.69	198	115	8.80 ng	#	45
70) Phenanthrene	11.32	178	1335995	72.91 ng		100
71) Anthracene	11.36	178	425485	19.48 ng		99
72) Carbazole	11.52	167	180773	7.50 ng		98
74) Fluoranthene	12.50	202	1381613	63.63 ng		97
77) Pyrene	12.73	202	1225003	46.27 ng		99
80) Benzo(a)anthracene	13.91	228	684183	34.84 ng		98
82) Chrysene	13.94	228	593196	29.21 ng		96
85) Indeno(1,2,3-cd)pyrene	16.73	276	230344	13.66 ng		99
87) Benzo(b)fluoranthene	14.94	252	879832	47.63 ng	#	95
88) Benzo(k)fluoranthene	14.94	252	879832	52.17 ng		99
89) Benzo(a)pyrene	15.29	252	469115	28.75 ng	#	94
91) Benzo(g,h,i)perylene	17.14	276	215290	16.21 ng		97

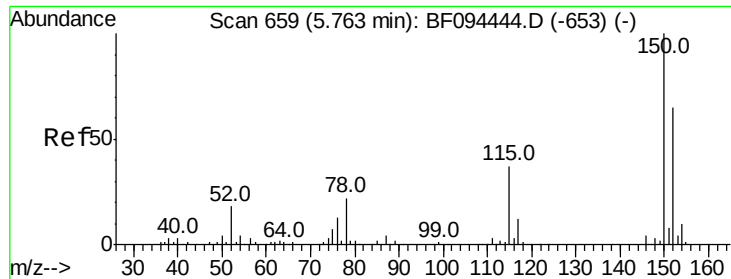
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 798

Delta R.T. -0.00 min

Lab File: BF096227.D

Acq: 27 Jun 2017 20:21

Instrument :

BNA_F

ClientSampled :

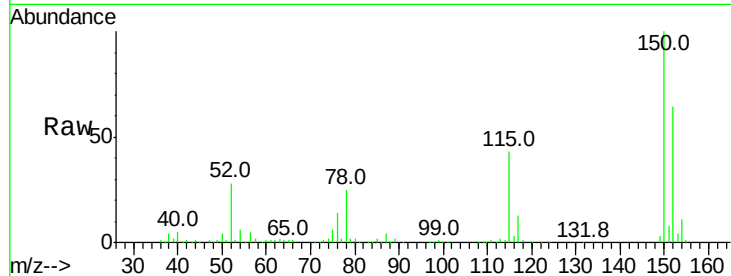
Tot Ion:152 Resp: 181767

Ion Ratio Lower Upper

152 100

150 155.3 126.2 189.2

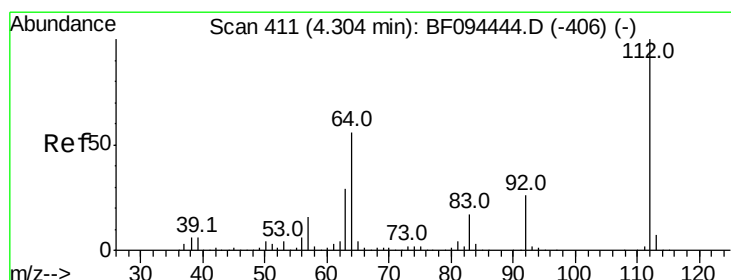
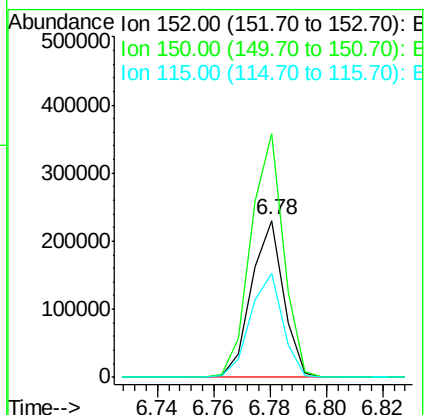
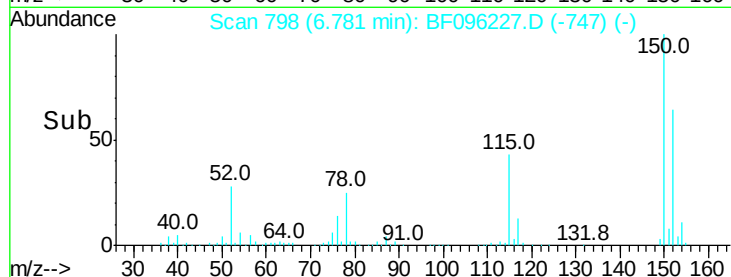
115 66.2 52.2 78.2



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



#5

2-Fluorophenol

Concen: 27.96 ng

RT: 5.38 min Scan# 560

Delta R.T. 0.00 min

Lab File: BF096227.D

Acq: 27 Jun 2017 20:21

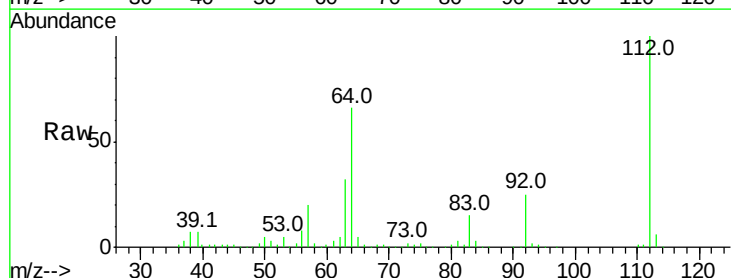
Tgt Ion:112 Resp: 352772

Ion Ratio Lower Upper

112 100

64 66.2 46.0 69.0

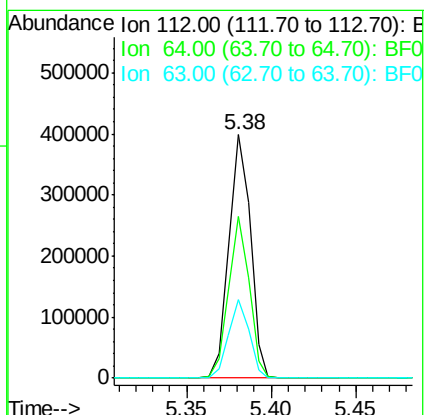
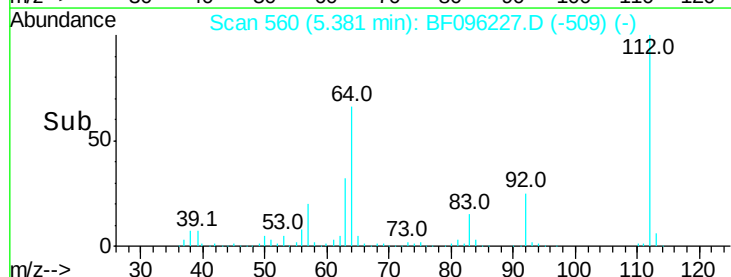
63 32.5 23.4 35.0

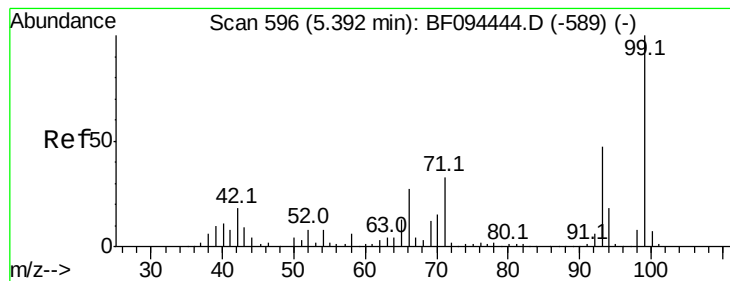


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 27.83 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF096227.D

Acq: 27 Jun 2017 20:21

Instrument :

BNA_F

ClientSampleId :

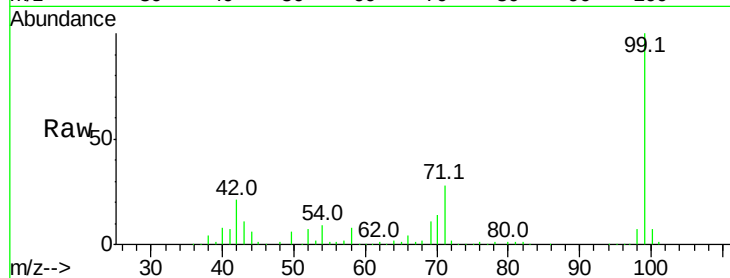
Tot Ion: 99 Resp: 425228

Ion Ratio Lower Upper

99 100

42 20.9 13.5 20.3#

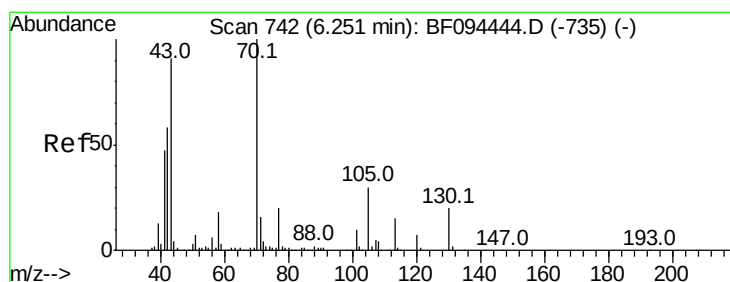
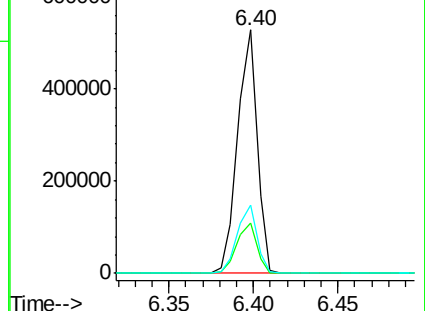
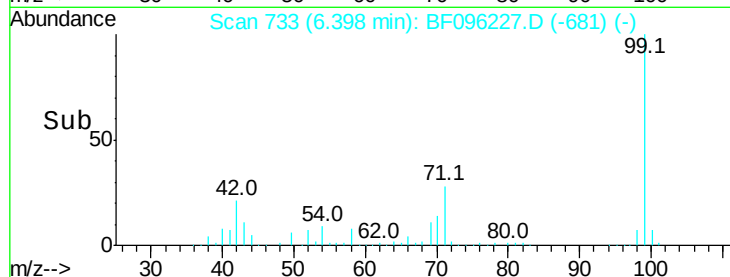
71 28.2 24.5 36.7



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: 3.12 ng

RT: 7.33 min Scan# 892

Delta R.T. 0.15 min

Lab File: BF096227.D

Acq: 27 Jun 2017 20:21

Tgt Ion: 70 Resp: 28511

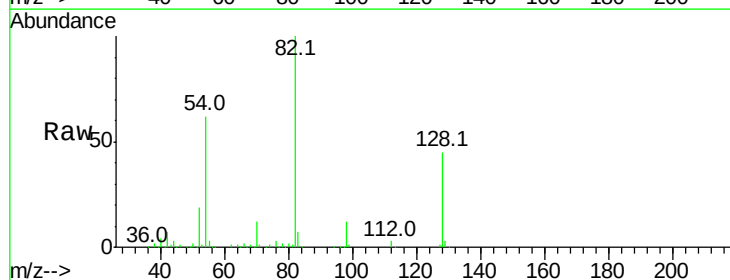
Ion Ratio Lower Upper

70 100

42 59.1 47.2 70.8

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

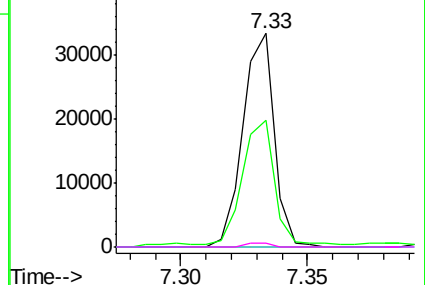
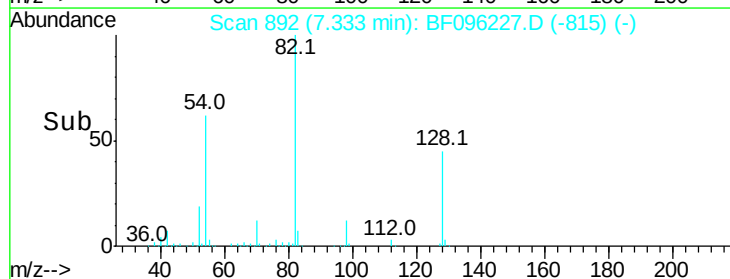


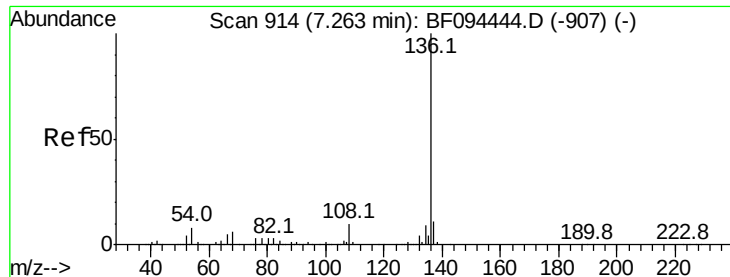
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.06 min Scan# 1016

Delta R.T. 0.01 min

Lab File: BF096227.D

Acq: 27 Jun 2017 20:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 746935

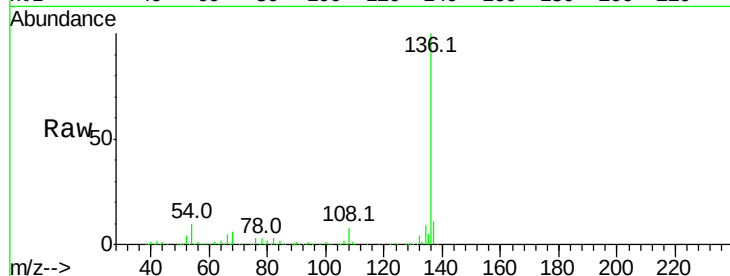
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 9.9 4.9 7.3#

68 6.1 4.1 6.1

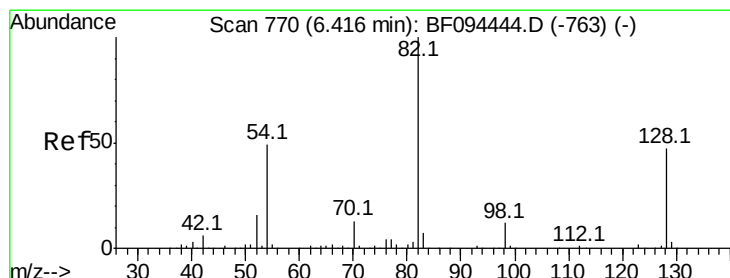
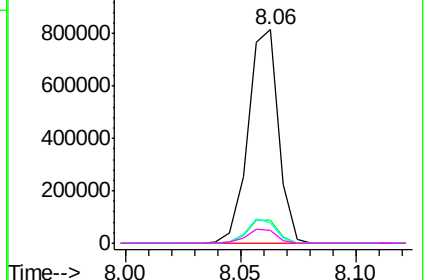
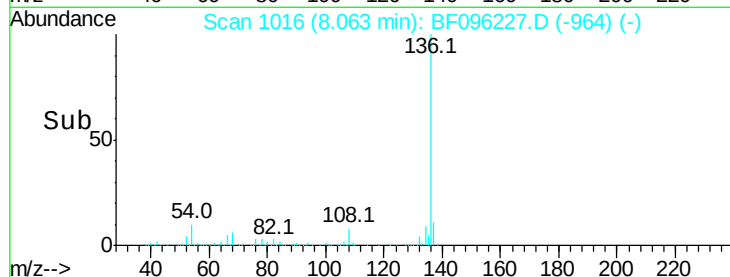


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 20.68 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.02 min

Lab File: BF096227.D

Acq: 27 Jun 2017 20:21

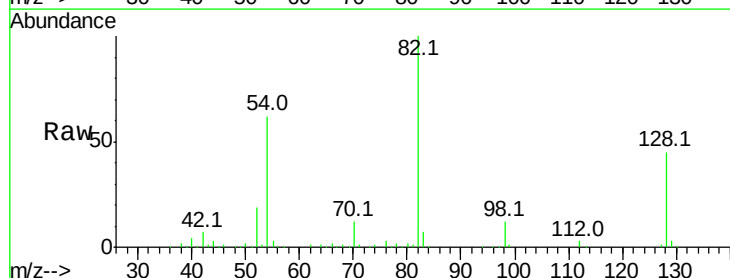
Tgt Ion: 82 Resp: 223139

Ion Ratio Lower Upper

82 100

128 45.4 34.0 51.0

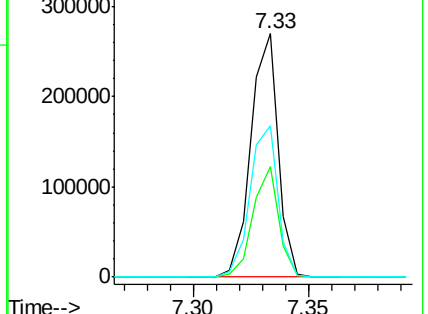
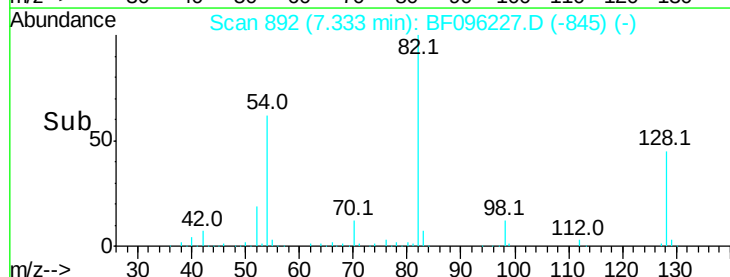
54 62.1 42.2 63.2

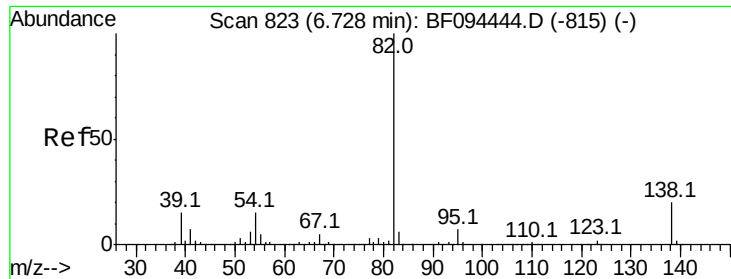


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 9.10 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.26 min

Lab File: BF096227.D

Acq: 27 Jun 2017 20:21

Instrument :

BNA_F

ClientSampleId :

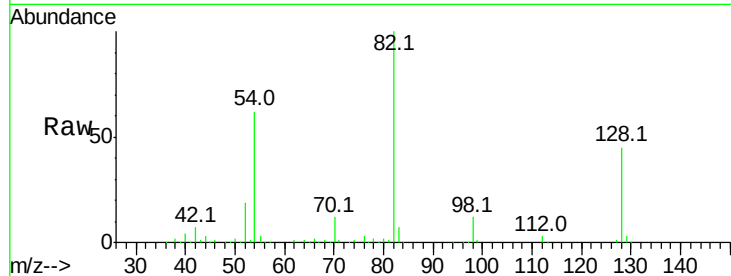
Tot Ion: 82 Resp: 222936

Ion Ratio Lower Upper

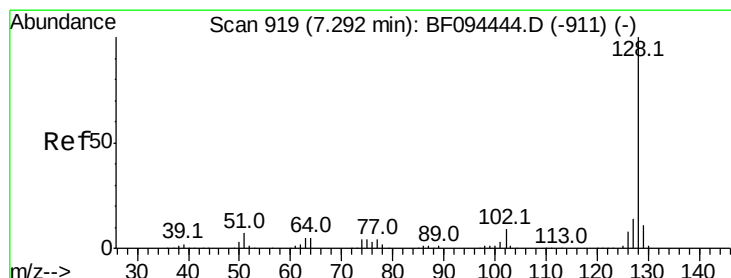
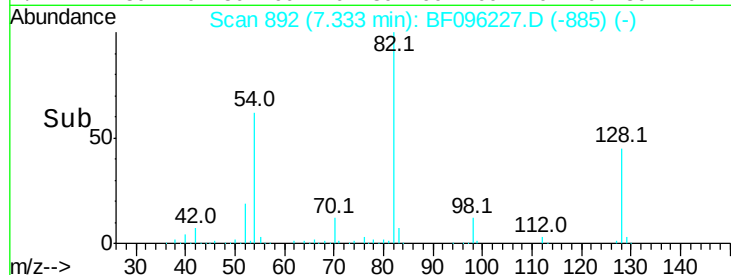
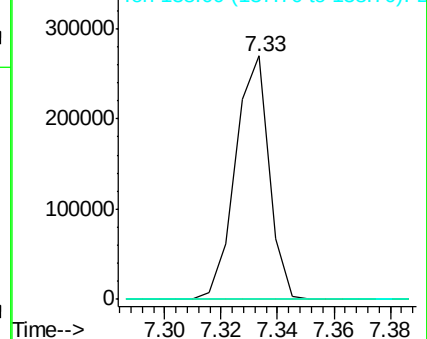
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#31

Naphthalene

Concen: 7.08 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BF096227.D

Acq: 27 Jun 2017 20:21

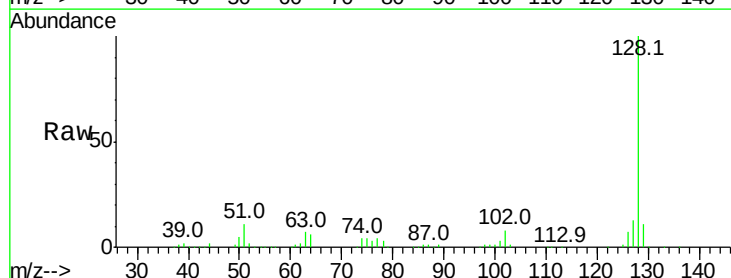
Tgt Ion:128 Resp: 254714

Ion Ratio Lower Upper

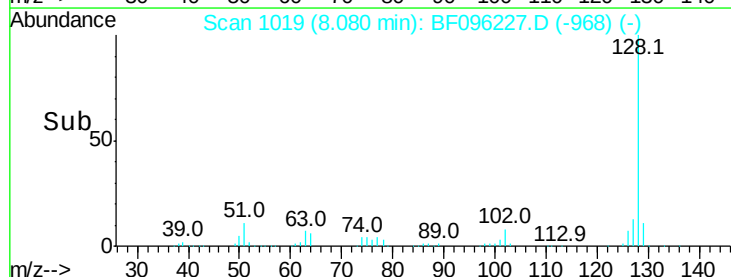
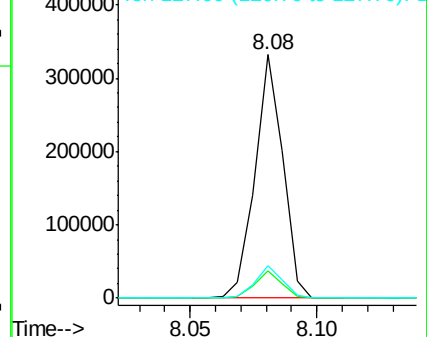
128 100

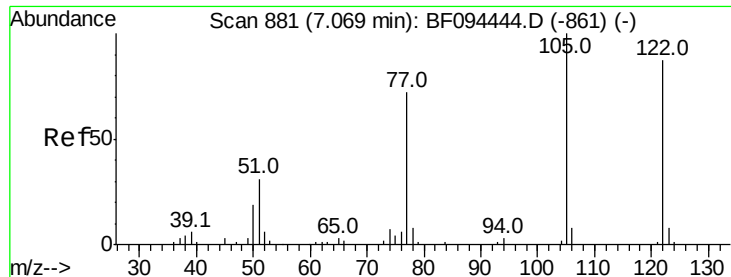
129 11.5 9.0 13.6

127 13.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 8.80 ng

RT: 7.90 min Scan# 989

Delta R.T. 0.02 min

Lab File: BF096227.D

Acq: 27 Jun 2017 20:21

Instrument :

BNA_F

ClientSampleId :

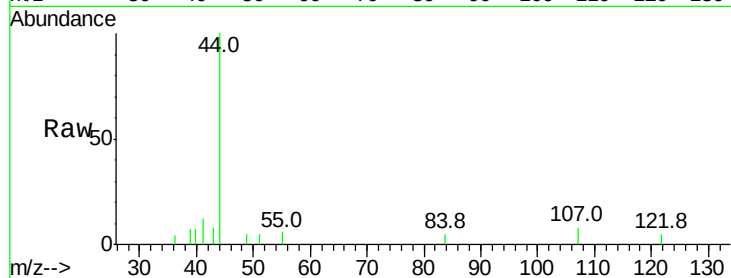
Tot Ion:122 Resp: 126

Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

77 0.0 73.7 113.7#

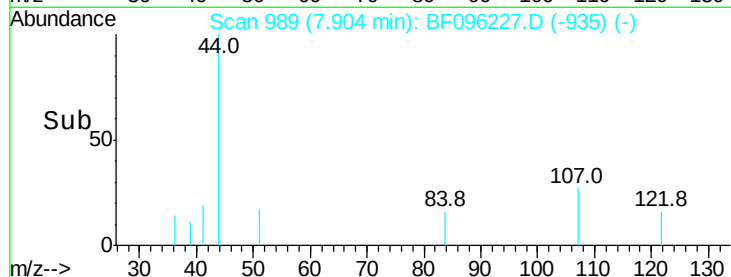


Abundance Ion 122.00 (121.70 to 122.70): E

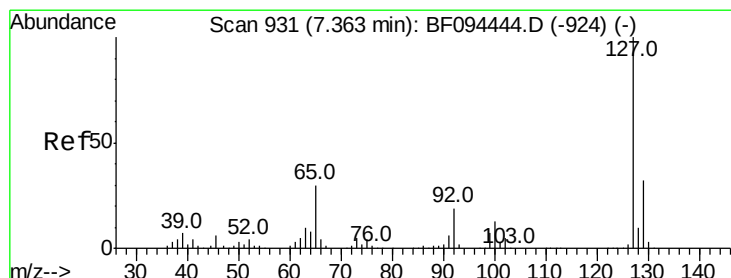
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

7.89 7.90 7.91 7.92



Time-->



#33

4-Chloroaniline

Concen: 2.23 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.04 min

Lab File: BF096227.D

Acq: 27 Jun 2017 20:21

Tgt Ion:127 Resp: 33271

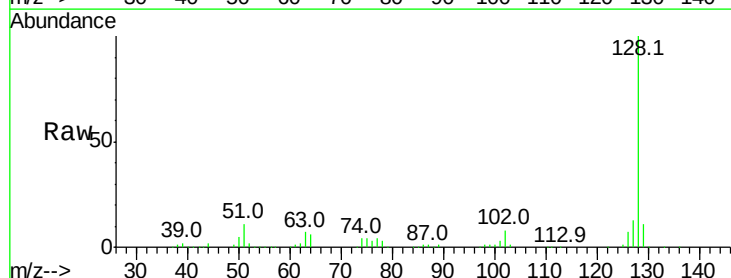
Ion Ratio Lower Upper

127 100

129 86.9 26.2 39.2#

65 0.0 27.8 41.8#

92 0.0 16.8 25.2#



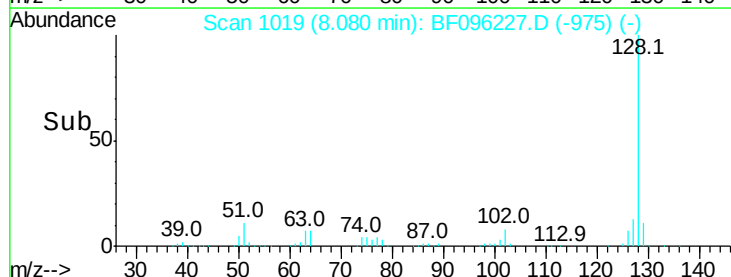
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

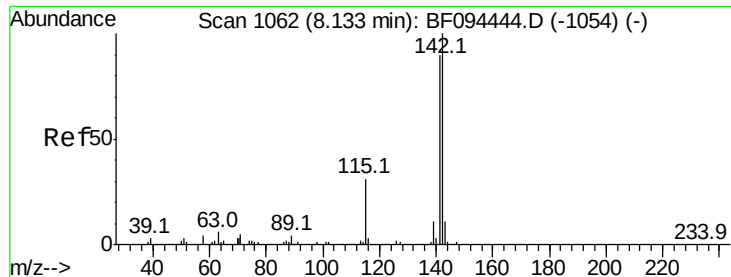
Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

8.05 8.10



Time-->



#37

2-Methylnaphthalene

Concen: 3.58 ng

RT: 8.77 min Scan# 1136

Delta R.T. -0.00 min

Lab File: BF096227.D

Acq: 27 Jun 2017 20:21

Instrument :

BNA_F

ClientSampleId :

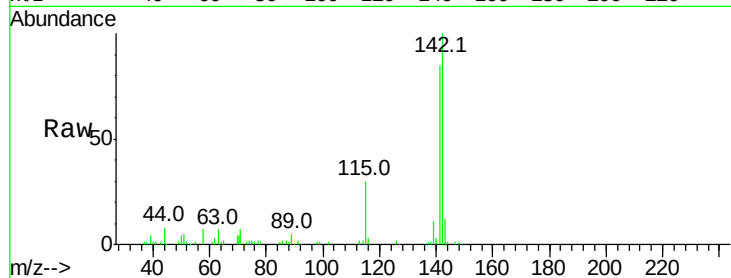
Tot Ion:142 Resp: 83679

Ion Ratio Lower Upper

142 100

141 85.2 71.3 106.9

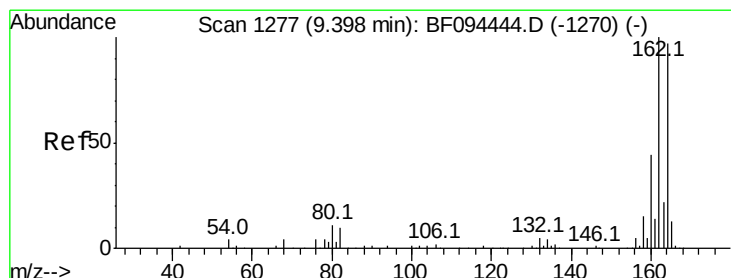
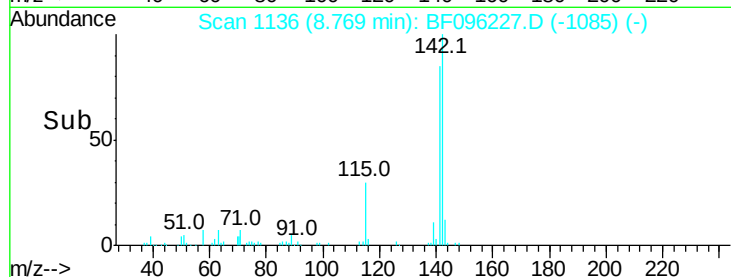
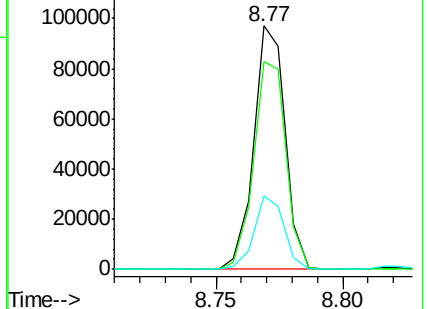
115 30.1 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.00 min

Lab File: BF096227.D

Acq: 27 Jun 2017 20:21

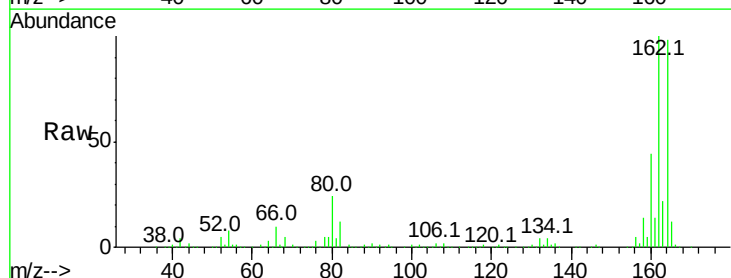
Tgt Ion:164 Resp: 285586

Ion Ratio Lower Upper

164 100

162 101.7 82.6 123.8

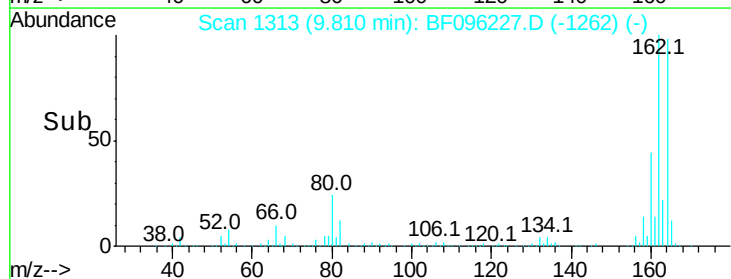
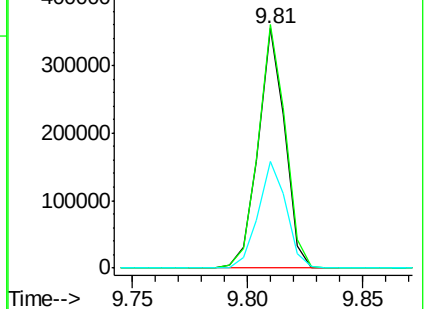
160 44.7 36.2 54.2

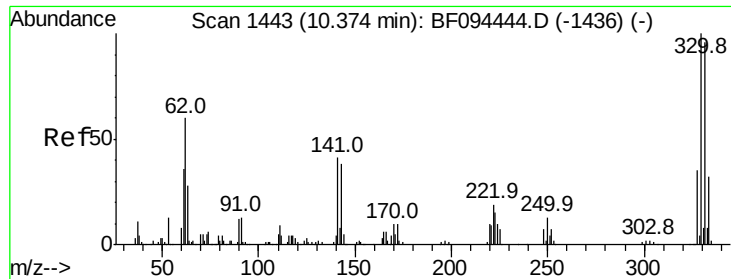


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

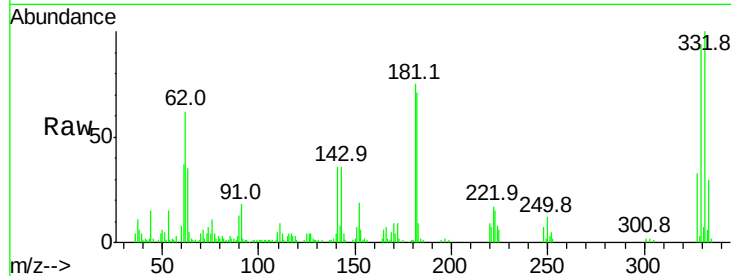




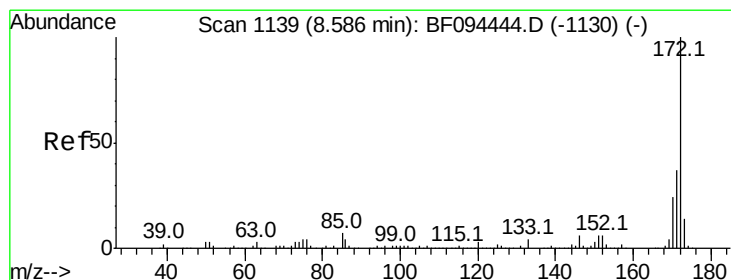
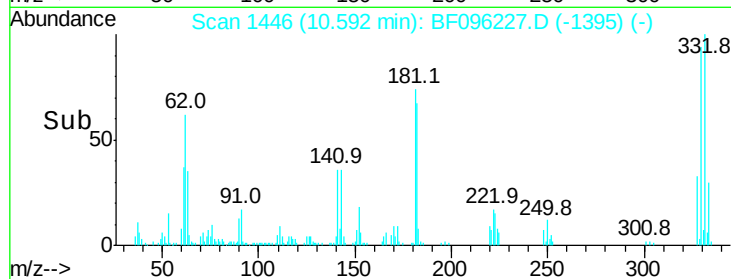
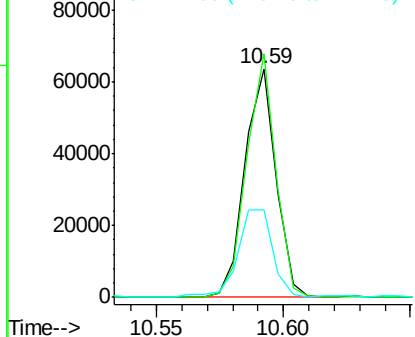
#41
 2,4,6-Tribromophenol
 Concen: 24.09 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.00 min
 Lab File: BF096227.D
 Acq: 27 Jun 2017 20:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 54150
 Ion Ratio Lower Upper
 330 100
 332 99.9 76.6 115.0
 141 43.5 31.4 47.2

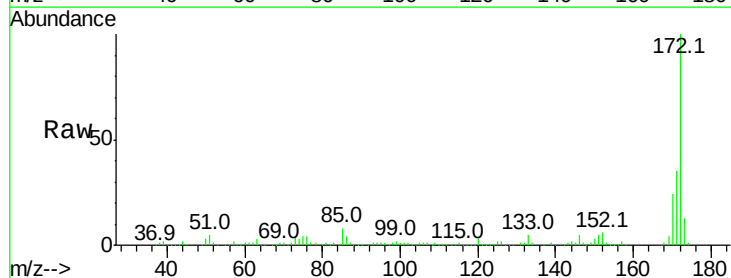


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

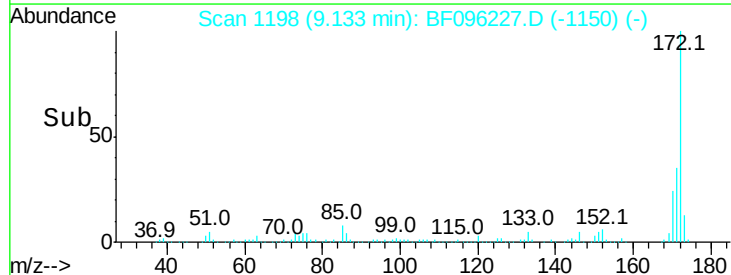
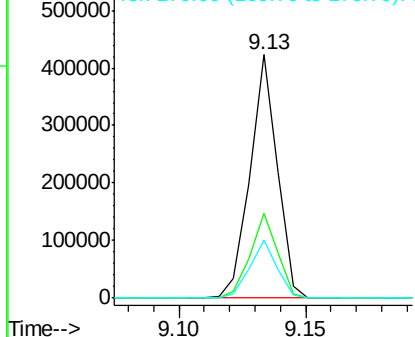


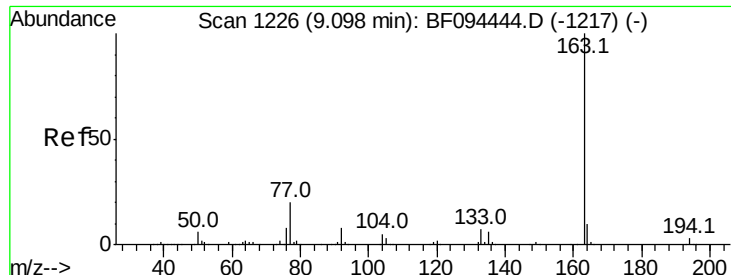
#44
 2-Fluorobiphenyl
 Concen: 20.38 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: BF096227.D
 Acq: 27 Jun 2017 20:21

Tgt Ion:172 Resp: 317826
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.6 44.4
 170 23.8 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

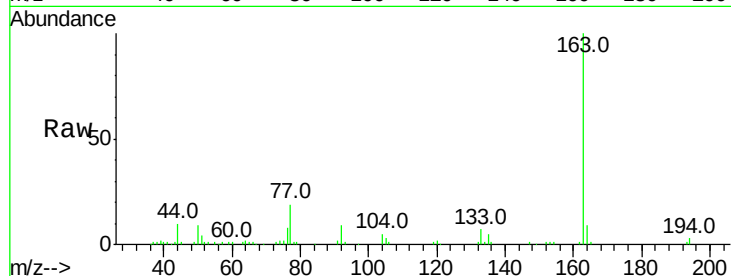




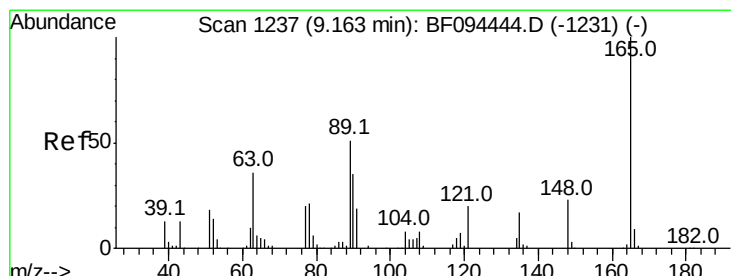
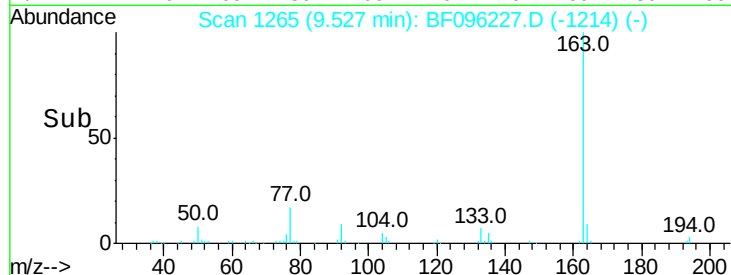
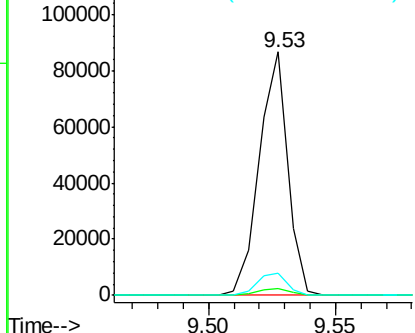
#49
Dimethylphthalate
Concen: 3.35 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BF096227.D
Acq: 27 Jun 2017 20:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 68423
Ion Ratio Lower Upper
163 100
194 2.6 2.6 4.0#
164 9.4 8.4 12.6

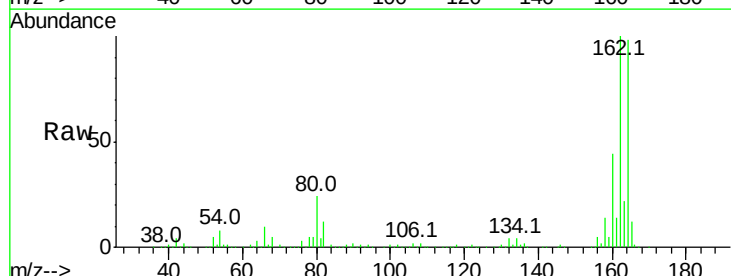


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

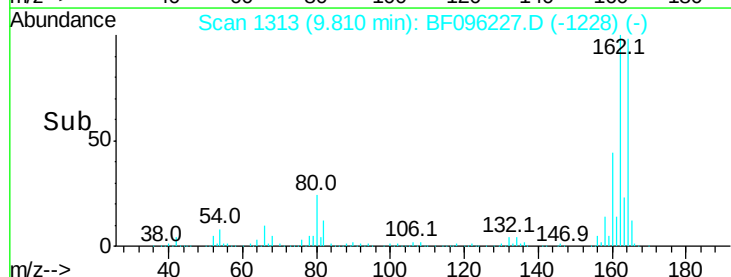
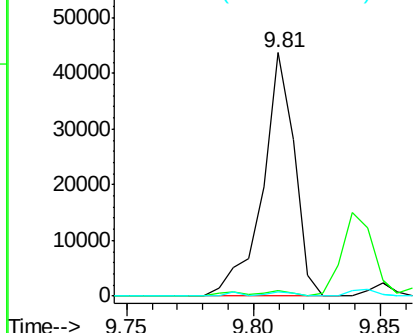


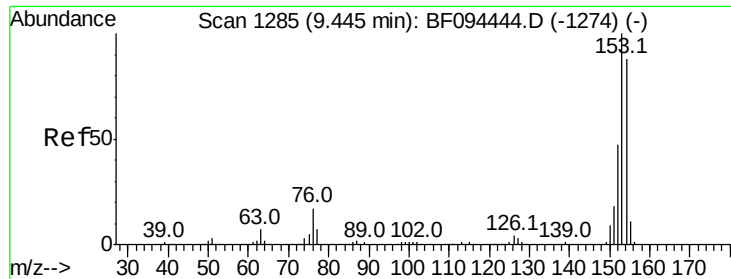
#50
2,6-Dinitrotoluene
Concen: 9.00 ng
RT: 9.81 min Scan# 1313
Delta R.T. 0.20 min
Lab File: BF096227.D
Acq: 27 Jun 2017 20:21

Tgt Ion:165 Resp: 38254
Ion Ratio Lower Upper
165 100
63 2.4 34.3 51.5#
89 1.7 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





#51

Acenaphthene

Concen: 7.30 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.00 min

Lab File: BF096227.D

Acq: 27 Jun 2017 20:21

Instrument :

BNA_F

ClientSampleId :

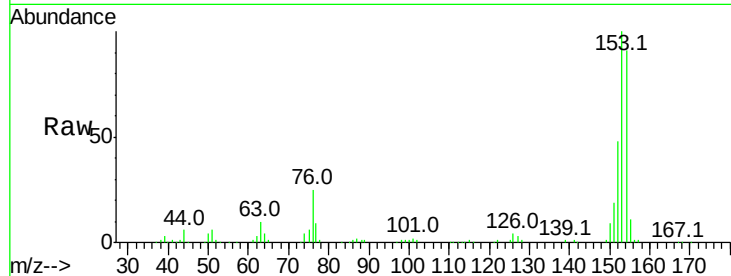
Tot Ion:154 Resp: 129546

Ion Ratio Lower Upper

154 100

153 109.7 90.5 135.7

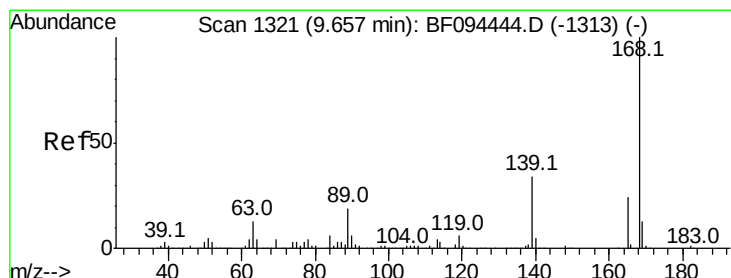
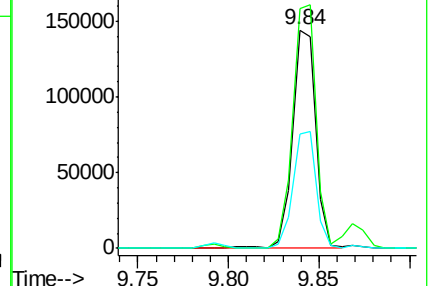
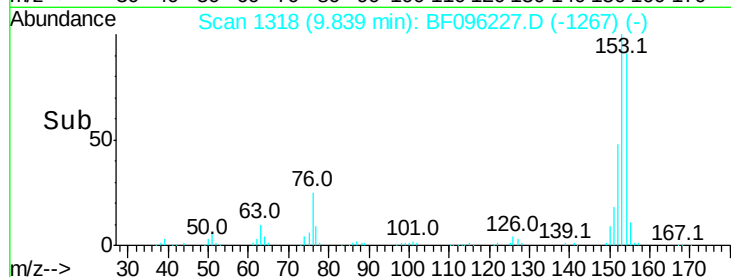
152 52.2 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 6.96 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF096227.D

Acq: 27 Jun 2017 20:21

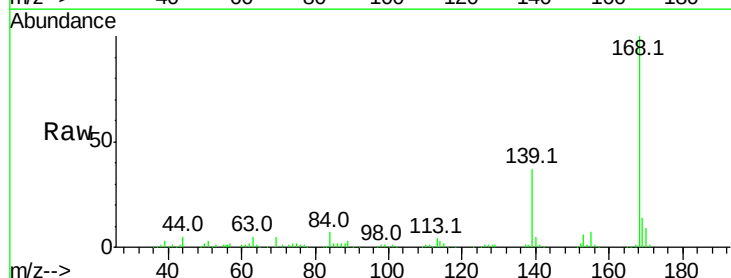
Tgt Ion:168 Resp: 161341

Ion Ratio Lower Upper

168 100

139 36.6 30.6 45.8

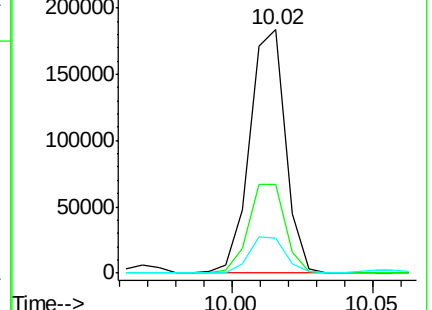
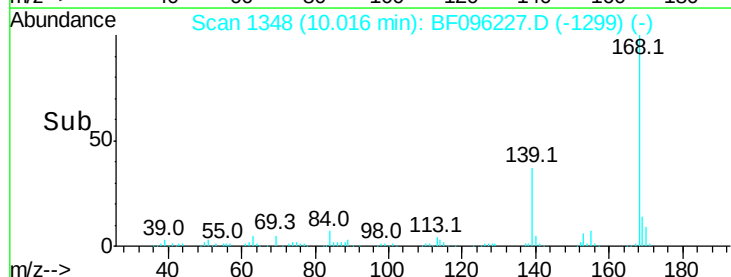
169 14.2 10.8 16.2

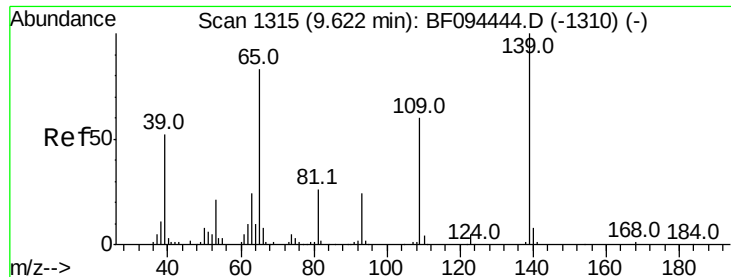


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

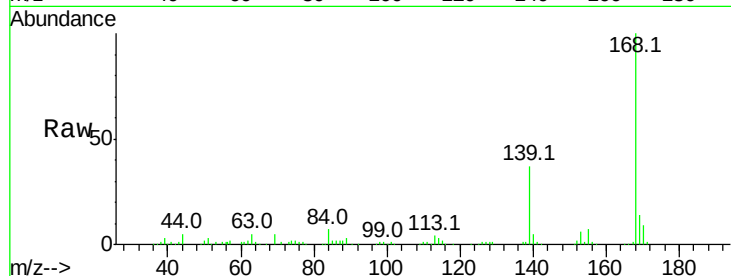




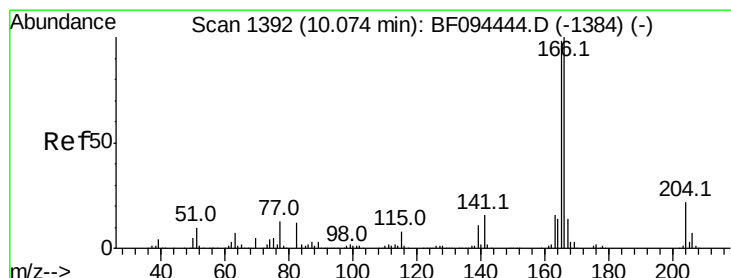
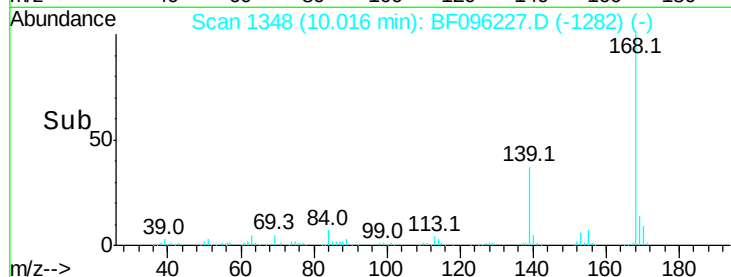
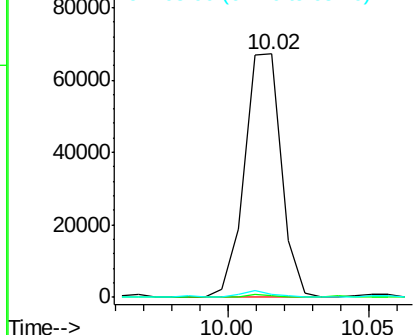
#55
4-Nitrophenol
Concen: 13.77 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.09 min
Lab File: BF096227.D
Acq: 27 Jun 2017 20:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 60633
Ion Ratio Lower Upper
139 100
109 0.9 34.1 74.1#
65 1.4 31.4 71.4#

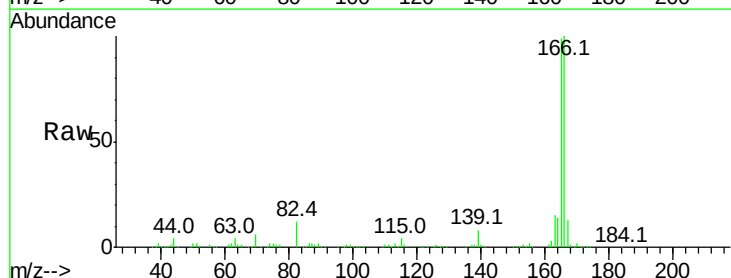


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E

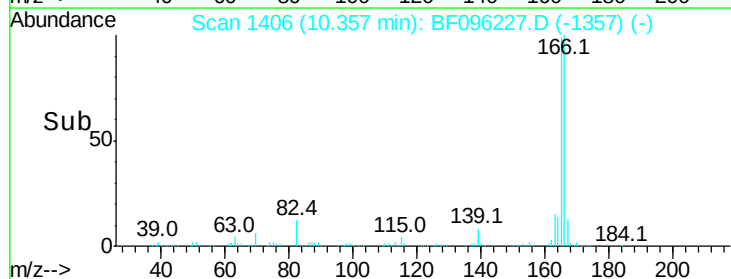
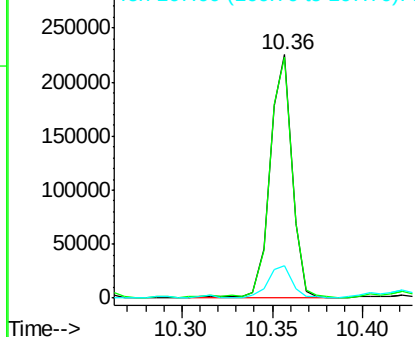


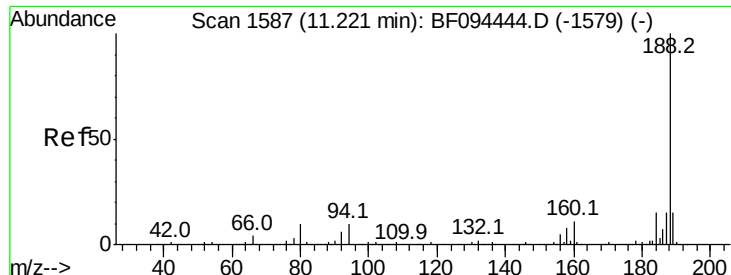
#57
Fluorene
Concen: 11.92 ng
RT: 10.36 min Scan# 1406
Delta R.T. -0.01 min
Lab File: BF096227.D
Acq: 27 Jun 2017 20:21

Tgt Ion:166 Resp: 190281
Ion Ratio Lower Upper
166 100
165 98.9 78.8 118.2
167 13.1 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

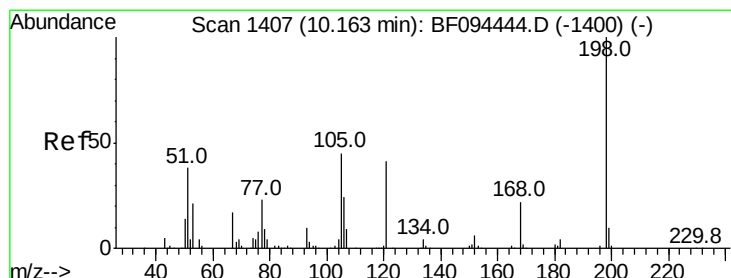
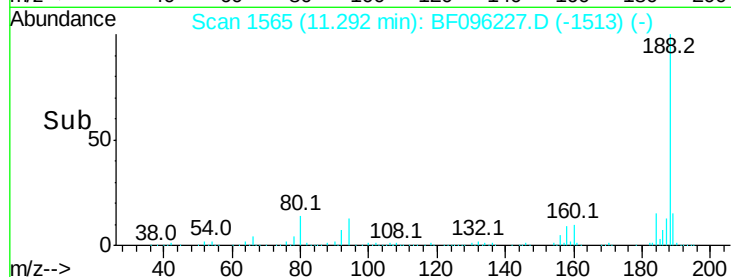
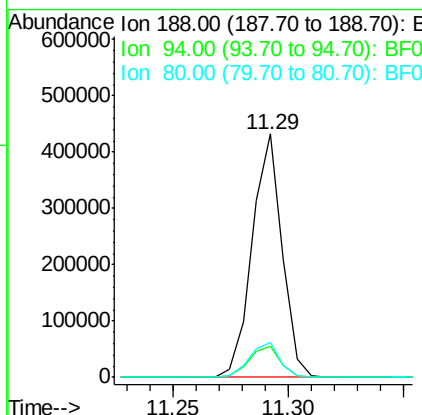
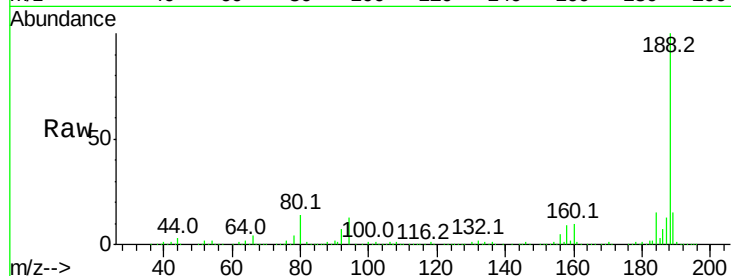




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: BF096227.D
 Acq: 27 Jun 2017 20:21

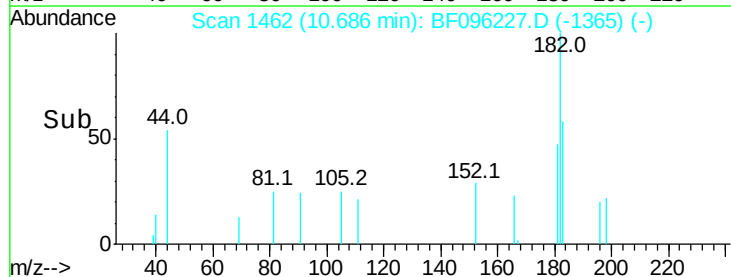
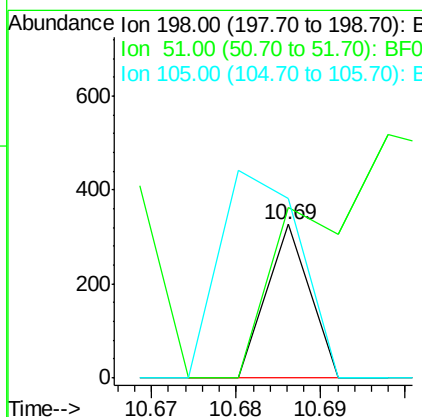
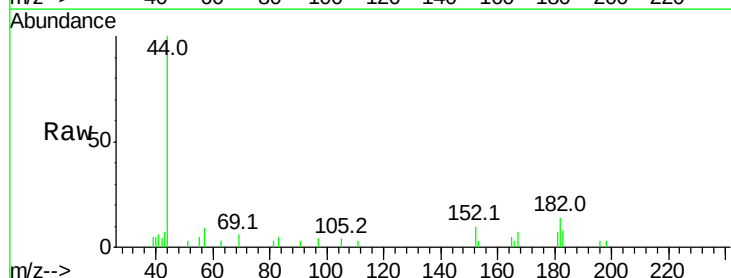
Instrument :
 BNA_F
 ClientSampled :

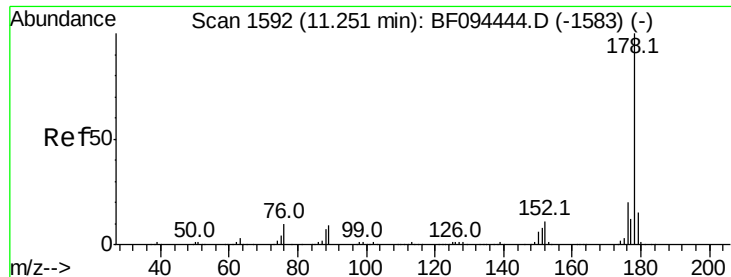
Tot Ion:188 Resp: 390905
 Ion Ratio Lower Upper
 188 100
 94 12.7 9.4 14.2
 80 14.4 10.2 15.2



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.80 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. 0.27 min
 Lab File: BF096227.D
 Acq: 27 Jun 2017 20:21

Tgt Ion:198 Resp: 115
 Ion Ratio Lower Upper
 198 100
 51 111.3 53.2 93.2#
 105 117.2 45.8 85.8#





#70

Phenanthrene

Concen: 72.91 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF096227.D

Acq: 27 Jun 2017 20:21

Instrument :

BNA_F

ClientSampleId :

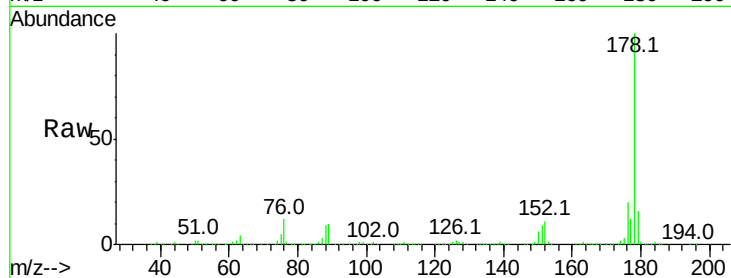
Tot Ion:178 Resp: 1335995

Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.2	24.4
179	15.7	12.6	19.0

178 100

176 20.2 16.2 24.4

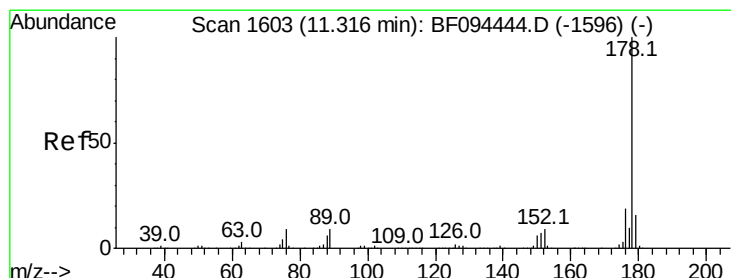
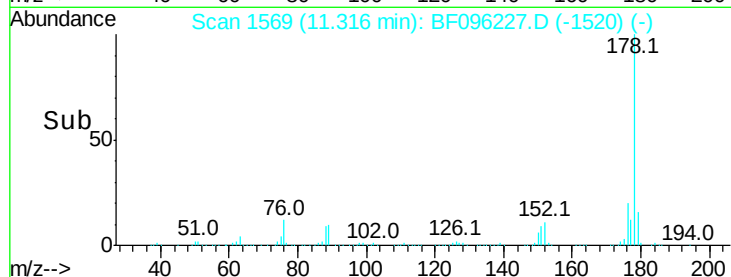
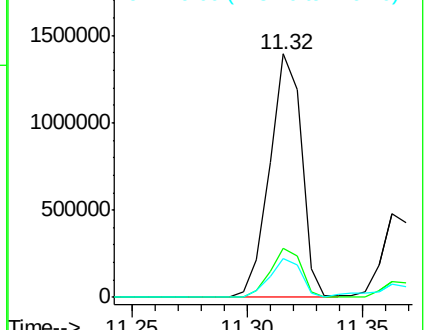
179 15.7 12.6 19.0



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



#71

Anthracene

Concen: 19.48 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.02 min

Lab File: BF096227.D

Acq: 27 Jun 2017 20:21

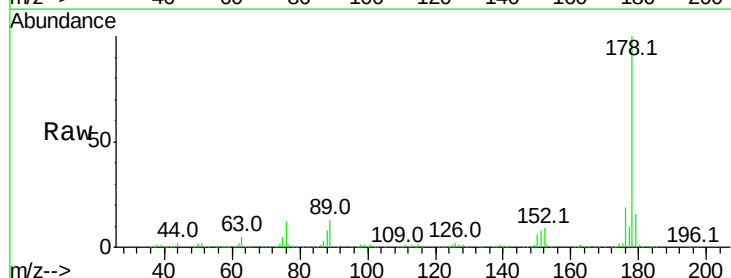
Tgt Ion:178 Resp: 425485

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.5	12.7	19.1

178 100

176 19.1 15.8 23.8

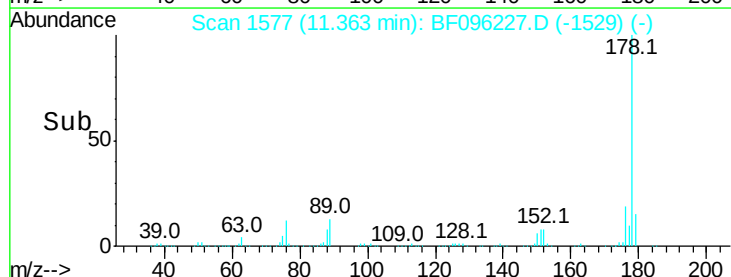
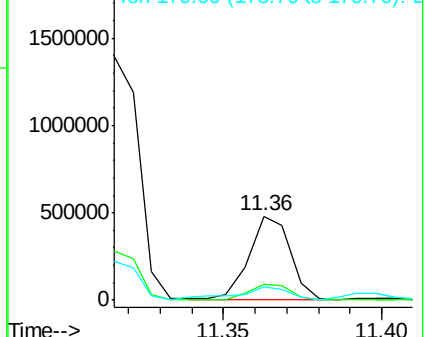
179 15.5 12.7 19.1

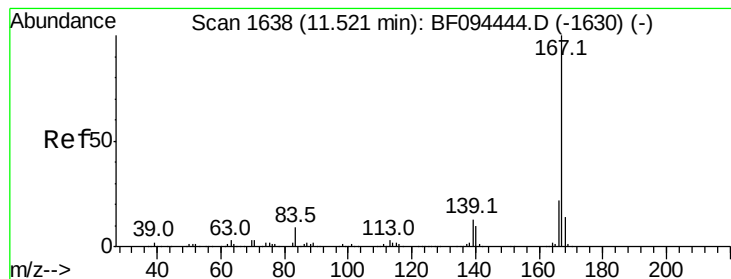


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 7.50 ng

RT: 11.52 min Scan# 1603

Delta R.T. 0.01 min

Lab File: BF096227.D

Acq: 27 Jun 2017 20:21

Instrument :

BNA_F

ClientSampleId :

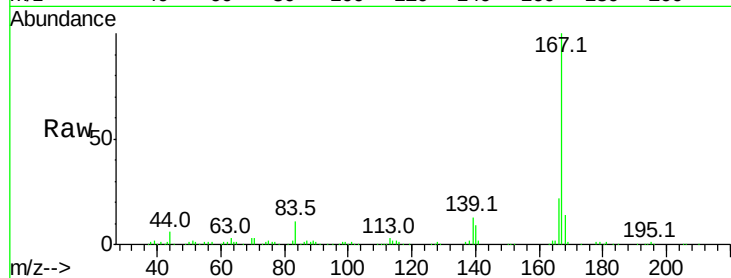
Tot Ion:167 Resp: 180773

Ion Ratio Lower Upper

167 100

166 21.9 18.1 27.1

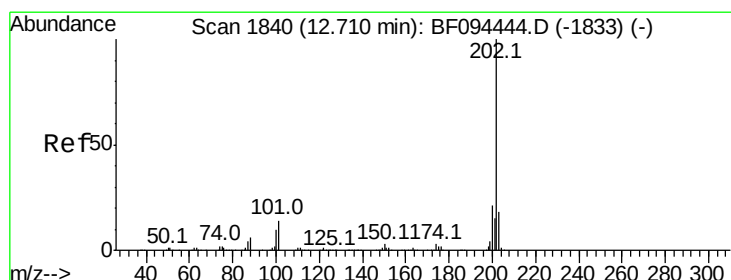
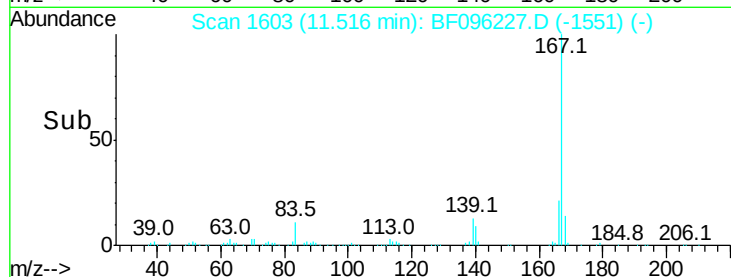
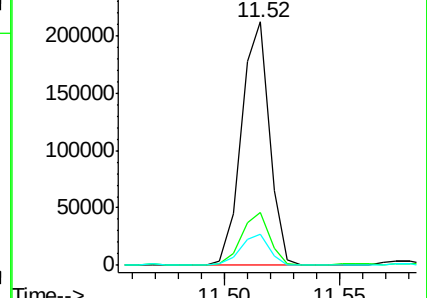
139 13.0 11.7 17.5



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: 63.63 ng

RT: 12.50 min Scan# 1771

Delta R.T. 0.01 min

Lab File: BF096227.D

Acq: 27 Jun 2017 20:21

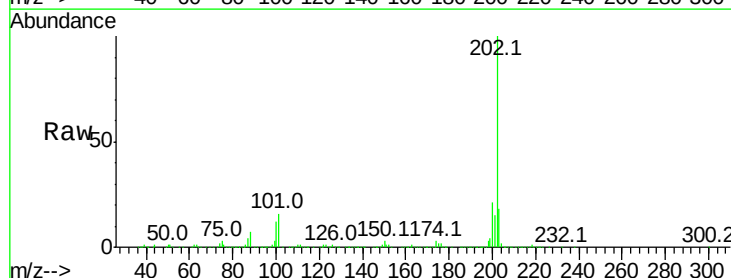
Tgt Ion:202 Resp: 1381613

Ion Ratio Lower Upper

202 100

101 15.8 0.0 33.2

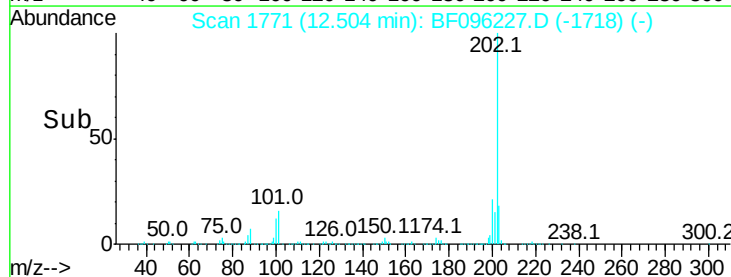
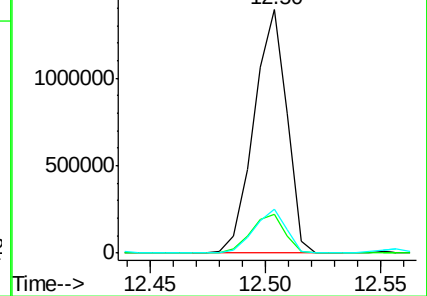
203 17.9 0.0 38.1

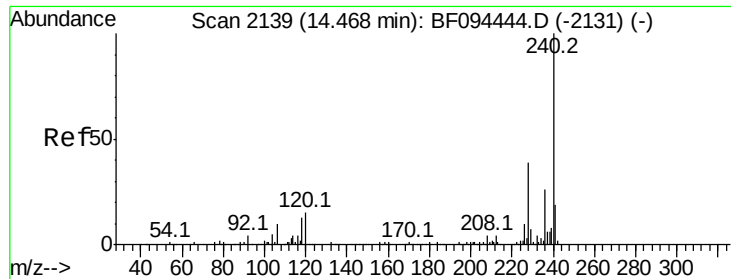


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

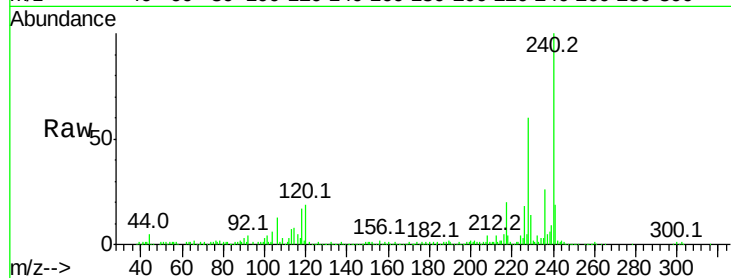




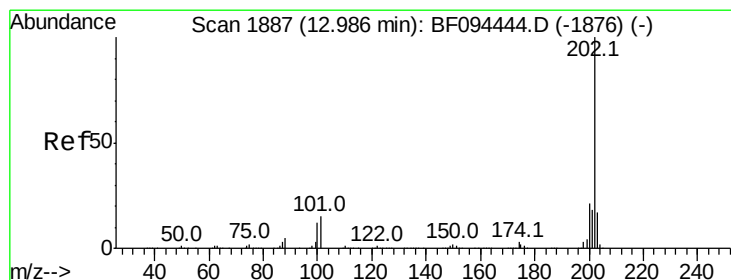
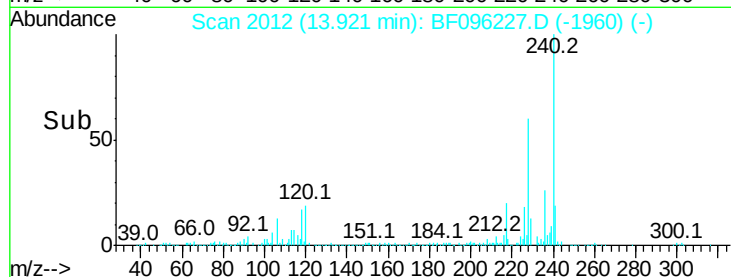
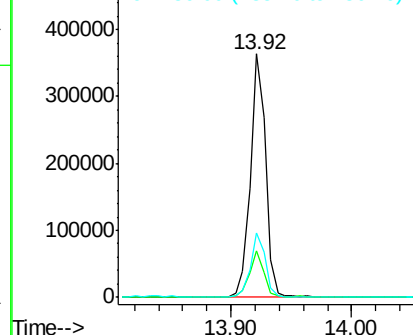
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.01 min
Lab File: BF096227.D
Acq: 27 Jun 2017 20:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:240 Resp: 322165
Ion Ratio Lower Upper
240 100
120 19.0 5.8 8.8#
236 26.3 20.5 30.7

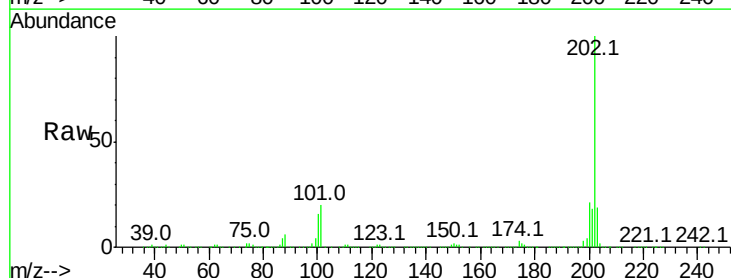


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

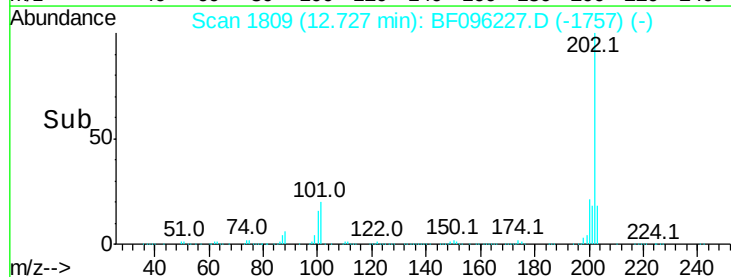
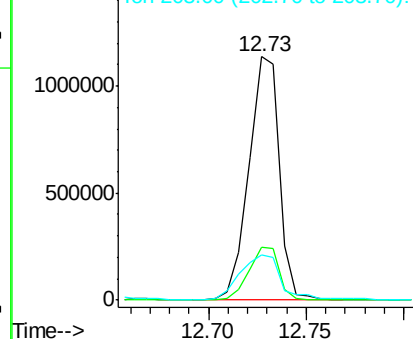


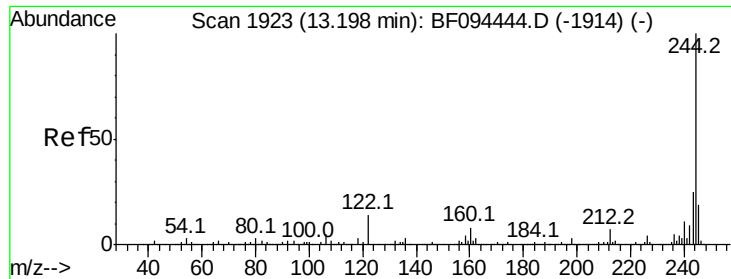
#77
Pyrene
Concen: 46.27 ng
RT: 12.73 min Scan# 1809
Delta R.T. 0.01 min
Lab File: BF096227.D
Acq: 27 Jun 2017 20:21

Tgt Ion:202 Resp: 1225003
Ion Ratio Lower Upper
202 100
200 21.5 17.6 26.4
203 18.5 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: 12.80 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BF096227.D

Acq: 27 Jun 2017 20:21

Instrument :

BNA_F

ClientSampled :

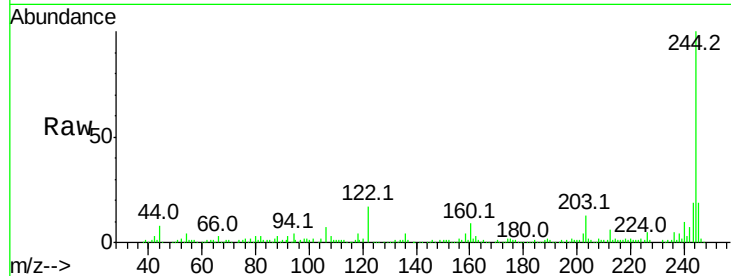
Tot Ion:244 Resp: 165278

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

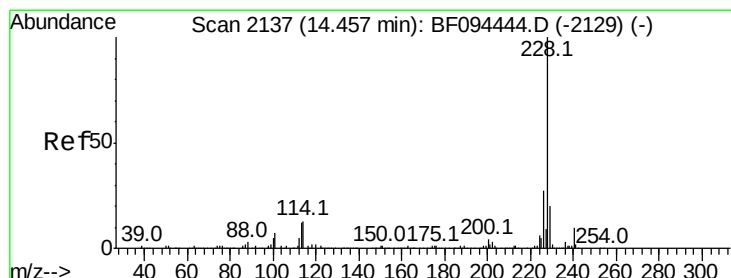
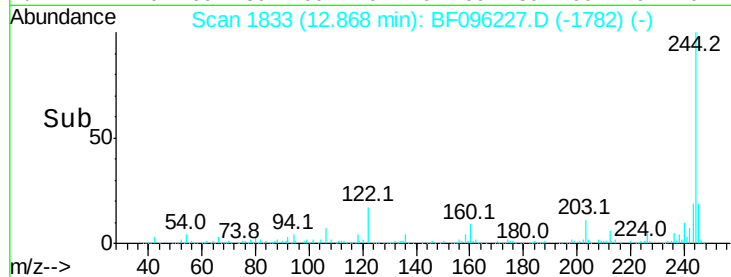
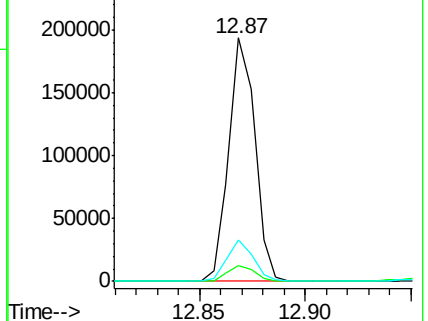
122 16.7 10.3 15.5#



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



#80

Benzo(a)anthracene

Concen: 34.84 ng

RT: 13.91 min Scan# 2010

Delta R.T. 0.01 min

Lab File: BF096227.D

Acq: 27 Jun 2017 20:21

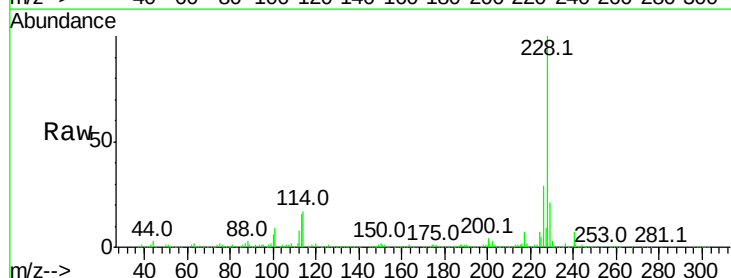
Tgt Ion:228 Resp: 684183

Ion Ratio Lower Upper

228 100

226 29.4 22.6 33.8

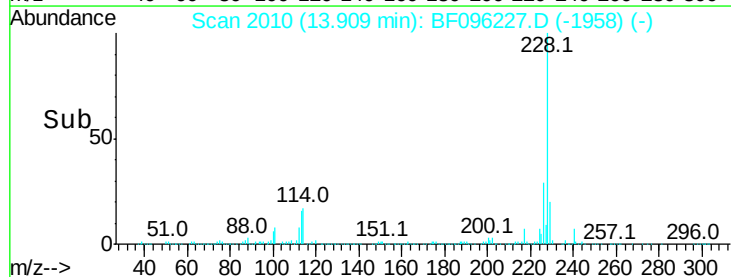
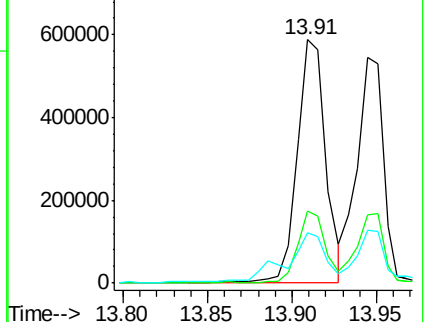
229 20.7 16.3 24.5

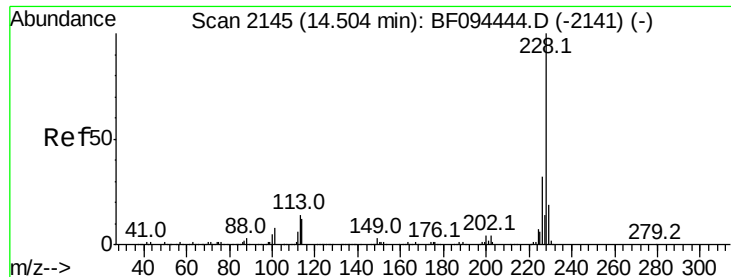


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 29.21 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.01 min

Lab File: BF096227.D

Acq: 27 Jun 2017 20:21

Instrument :

BNA_F

ClientSampleId :

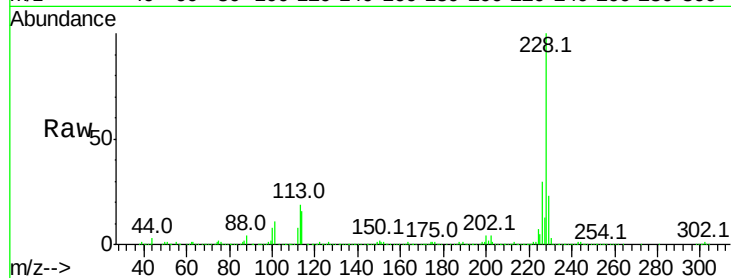
Tot Ion:228 Resp: 593196

Ion Ratio Lower Upper

228 100

226 29.9 24.9 37.3

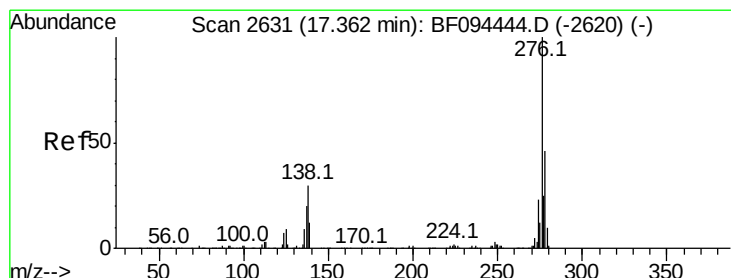
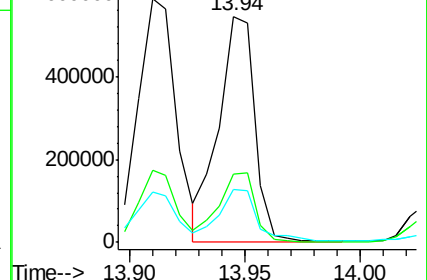
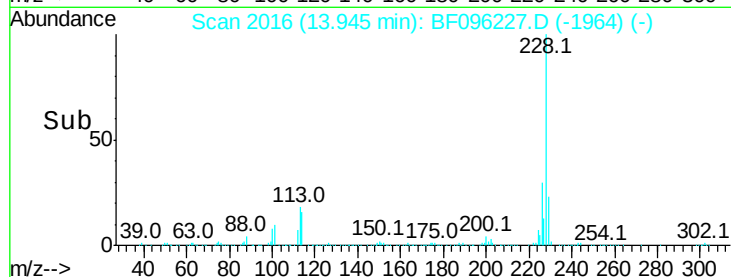
229 23.2 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 13.66 ng

RT: 16.73 min Scan# 2490

Delta R.T. 0.02 min

Lab File: BF096227.D

Acq: 27 Jun 2017 20:21

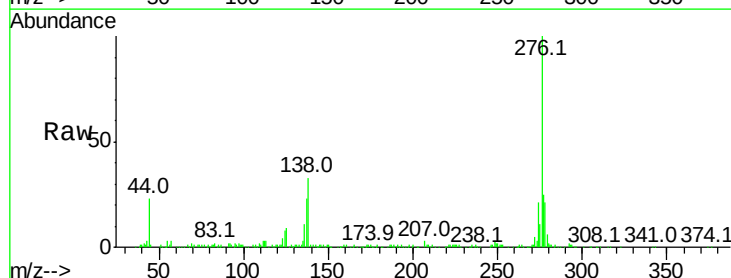
Tgt Ion:276 Resp: 230344

Ion Ratio Lower Upper

276 100

138 34.8 27.8 41.6

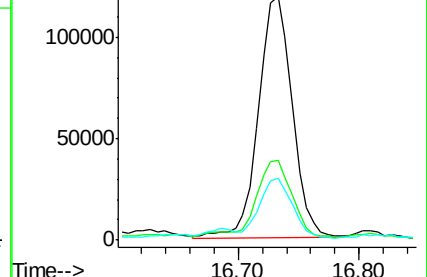
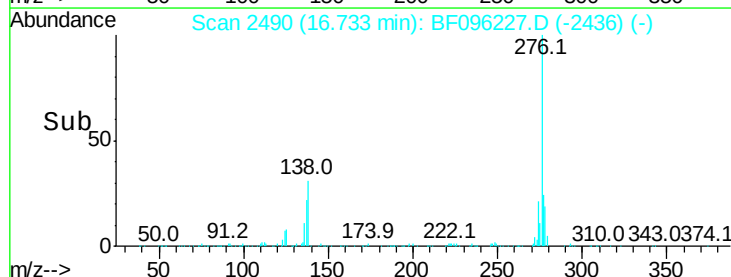
277 24.1 20.2 30.4

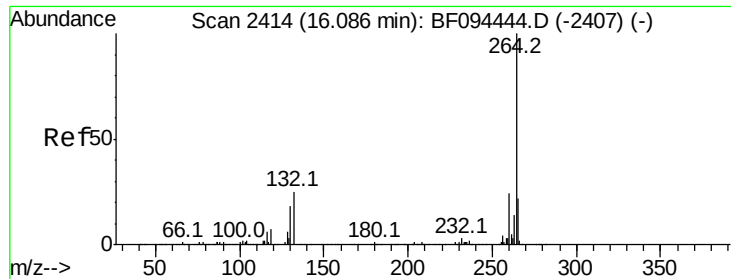


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

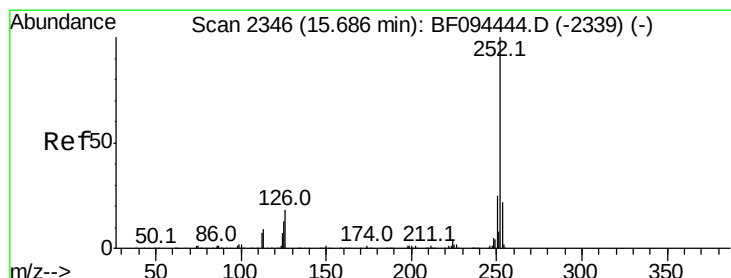
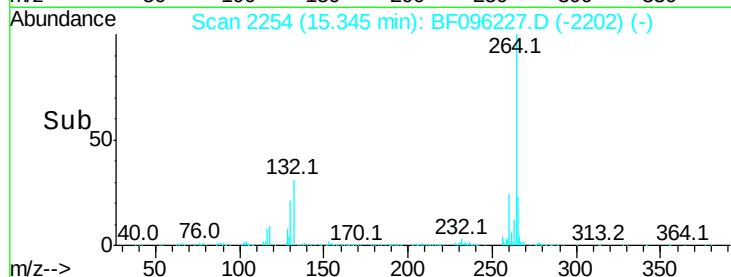
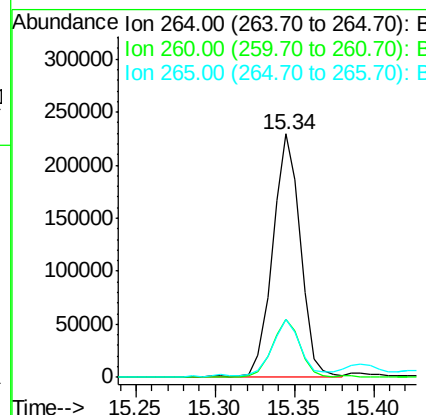
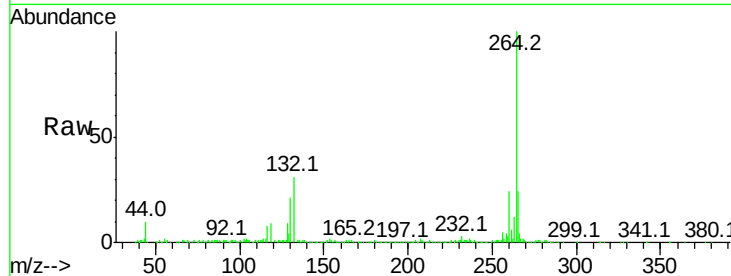




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.01 min
Lab File: BF096227.D
Acq: 27 Jun 2017 20:21

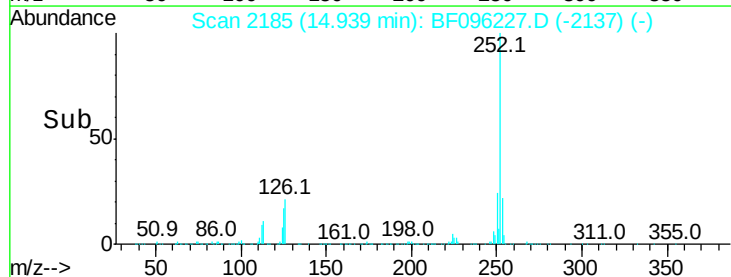
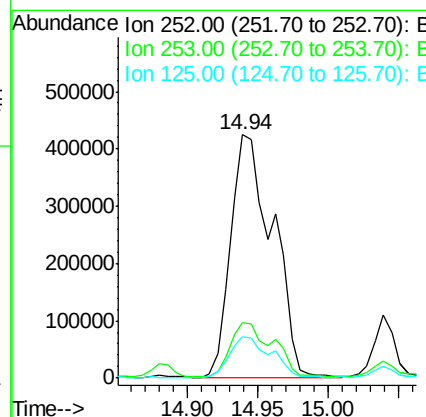
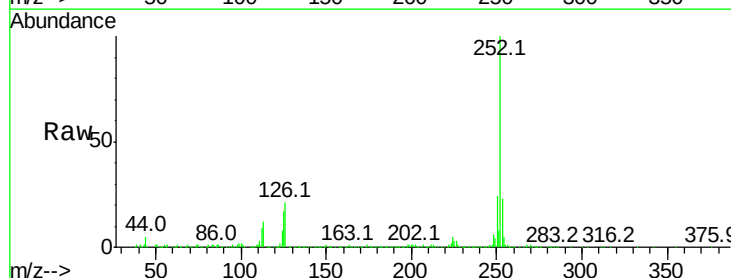
Instrument :
BNA_F
ClientSampleId :

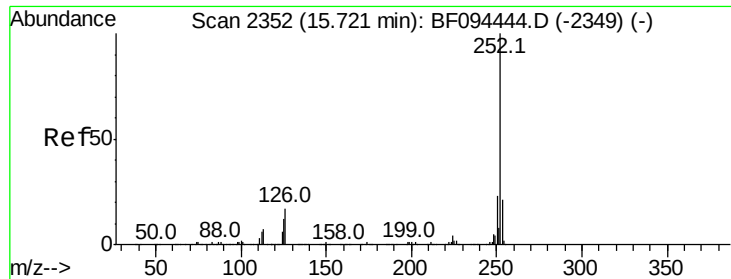
Tot Ion:264 Resp: 281188
Ion Ratio Lower Upper
264 100
260 24.0 19.5 29.3
265 23.6 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 47.63 ng
RT: 14.94 min Scan# 2185
Delta R.T. -0.02 min
Lab File: BF096227.D
Acq: 27 Jun 2017 20:21

Tgt Ion:252 Resp: 879832
Ion Ratio Lower Upper
252 100
253 22.8 18.1 27.1
125 17.0 9.8 14.8#

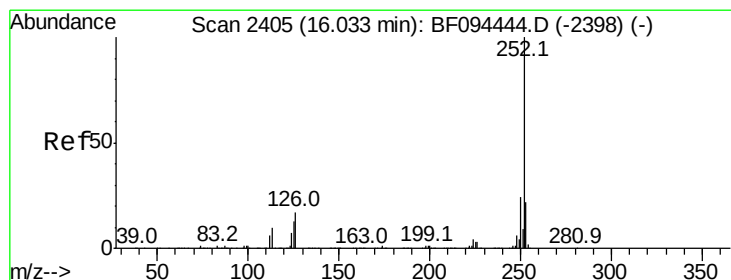
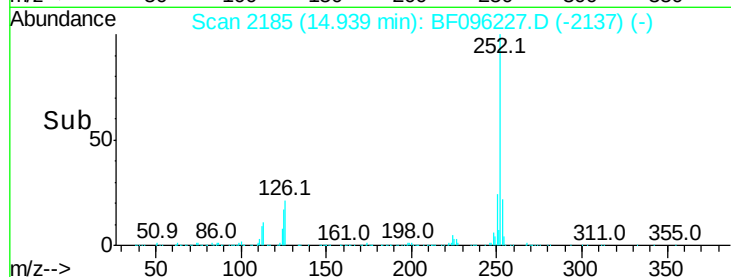
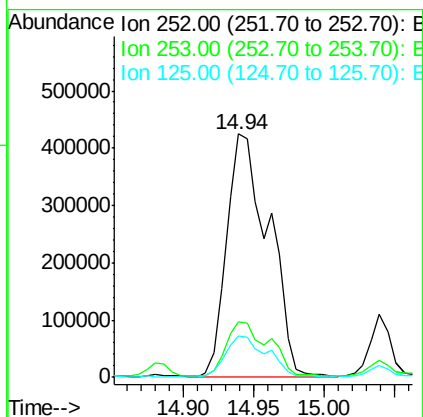
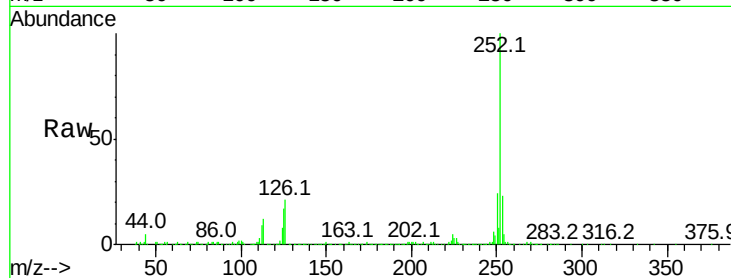




#88
Benzo(k)fluoranthene
Concen: 52.17 ng
RT: 14.94 min Scan# 2185
Delta R.T. -0.02 min
Lab File: BF096227.D
Acq: 27 Jun 2017 20:21

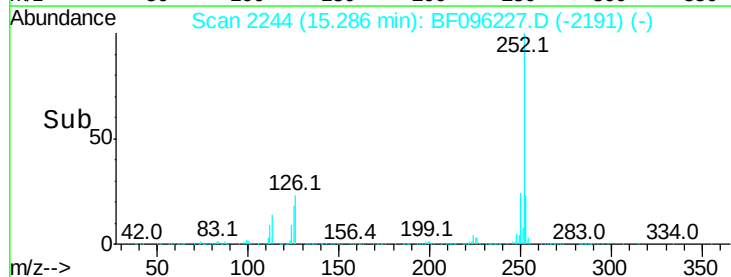
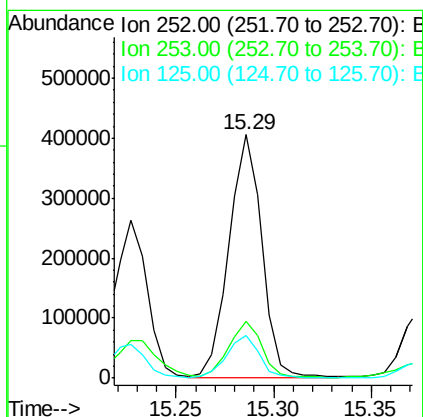
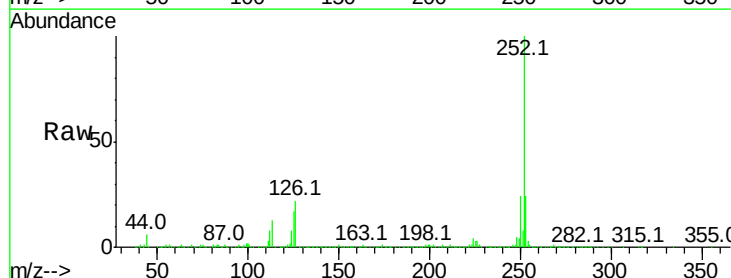
Instrument :
BNA_F
ClientSampleId :

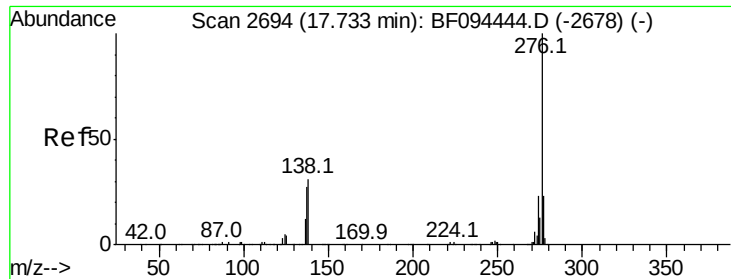
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.4	27.6
125	17.0	13.1	19.7



#89
Benzo(a)pyrene
Concen: 28.75 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF096227.D
Acq: 27 Jun 2017 20:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	17.3	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 16.21 ng

RT: 17.14 min Scan# 2560

Delta R.T. 0.01 min

Lab File: BF096227.D

Acq: 27 Jun 2017 20:21

Instrument :

BNA_F

ClientSampleId :

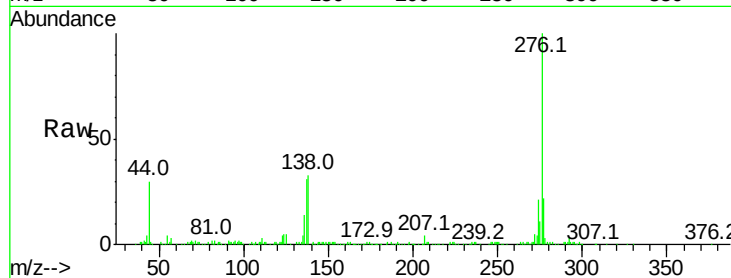
Tot Ion:276 Resp: 215290

Ion Ratio Lower Upper

276 100

277 22.2 18.6 28.0

138 33.3 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

