

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060617\
 Data File : BF095737.D
 Acq On : 7 Jun 2017 8:49
 Operator : SJ/MA
 Sample : I3465-04 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-S7-BASE

Quant Time: Jun 07 11:38:19 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

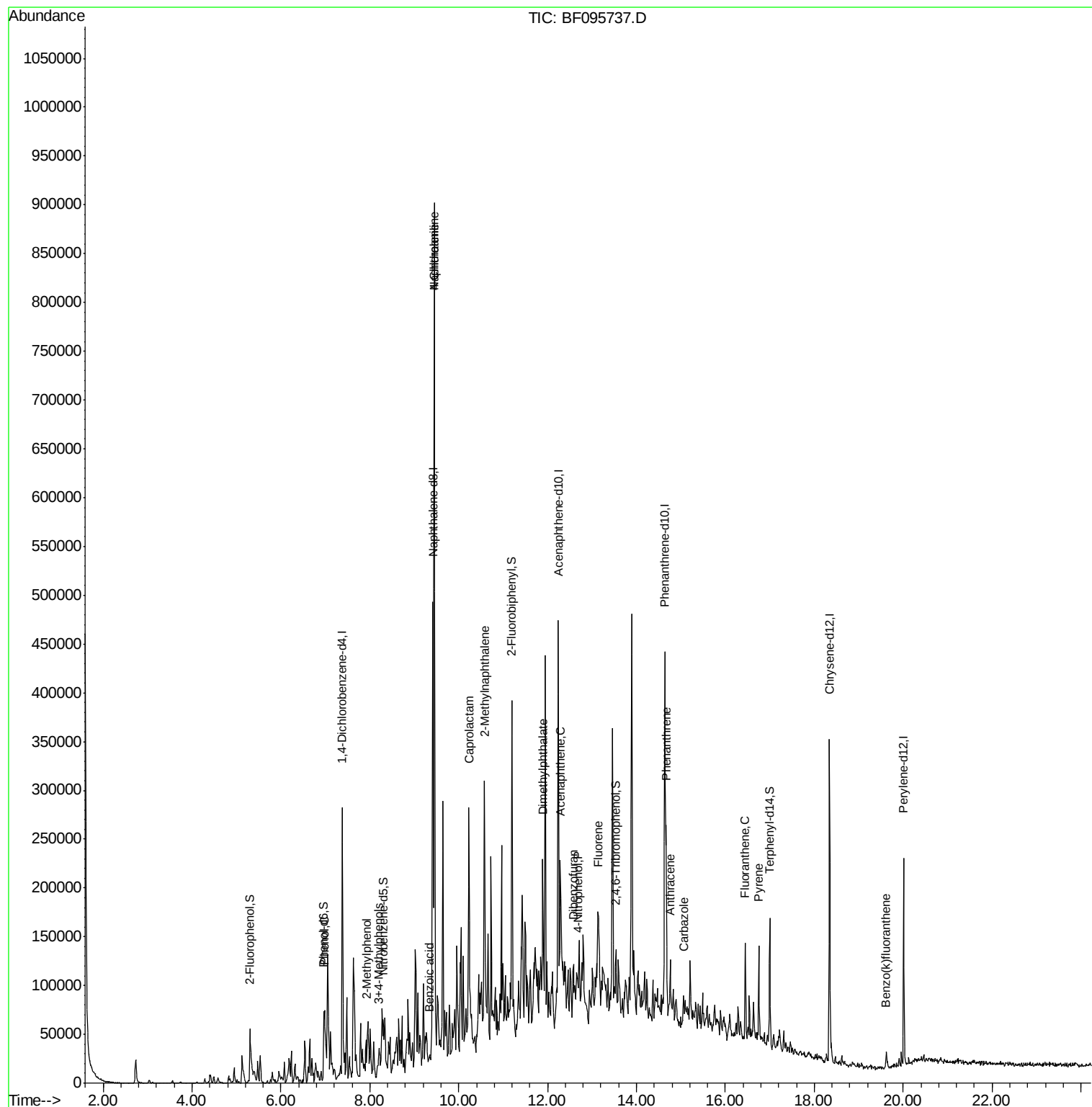
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	66738	20.00	ng	-0.02
21) Naphthalene-d8	9.42	136	252425	20.00	ng	-0.02
38) Acenaphthene-d10	12.24	164	95581	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	142969	20.00	ng	-0.01
75) Chrysene-d12	18.34	240	128957	20.00	ng	-0.01
86) Perylene-d12	20.01	264	91174	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	59407	14.18	ng	0.02
7) Phenol-d6	6.96	99	68839	13.73	ng	0.00
23) Nitrobenzene-d5	8.30	82	38220	9.40	ng	-0.02
41) 2,4,6-Tribromophenol	13.54	330	9874	11.68	ng	-0.01
44) 2-Fluorobiphenyl	11.19	172	67138	9.77	ng	-0.02
78) Terphenyl-d14	17.00	244	41979	8.08	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.99	94	11926	2.29	ng	95
17) 2-Methylphenol	7.93	107	10978	2.94	ng	87
20) 3+4-Methylphenols	8.22	107	26354	5.56	ng	# 65
31) Naphthalene	9.45	128	547734	43.24	ng	99
32) Benzoic acid	9.33	122	1164	5.59	ng	# 29
33) 4-Chloroaniline	9.45	127	72103	14.56	ng	# 33
35) Caprolactam	10.23	113	9454	9.35	ng	# 78
37) 2-Methylnaphthalene	10.57	142	93856	10.97	ng	98
49) Dimethylphthalate	11.89	163	15736	2.17	ng	97
51) Acenaphthene	12.29	154	36406	5.99	ng	98
54) Dibenzofuran	12.58	168	26896	3.14	ng	100
55) 4-Nitrophenol	12.67	139	417	4.99	ng	# 1
57) Fluorene	13.13	166	33035	4.44	ng	99
70) Phenanthrene	14.67	178	103272	12.52	ng	99
71) Anthracene	14.76	178	34993	4.06	ng	95
72) Carbazole	15.06	167	21701	2.59	ng	98
74) Fluoranthene	16.44	202	53287	6.53	ng	99
77) Pyrene	16.75	202	40227	4.18	ng	# 91
88) Benzo(k)fluoranthene	19.62	252	11290	2.07	ng	94

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.38 min Scan# 985

Delta R.T. -0.02 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

Instrument :

BNA_F

ClientSampleId :

E2-S7-BASE

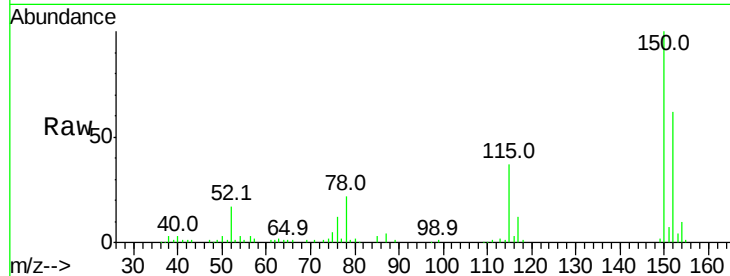
Tot Ion:152 Resp: 66738

Ion Ratio Lower Upper

152 100

150 161.1 126.2 189.2

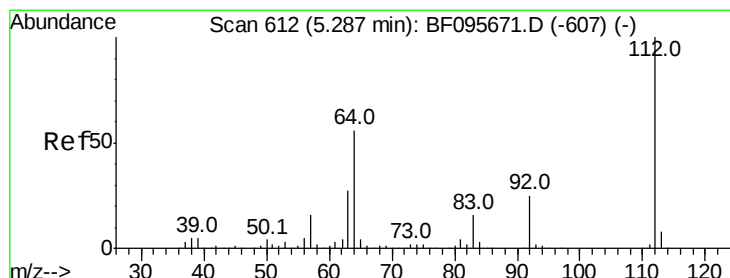
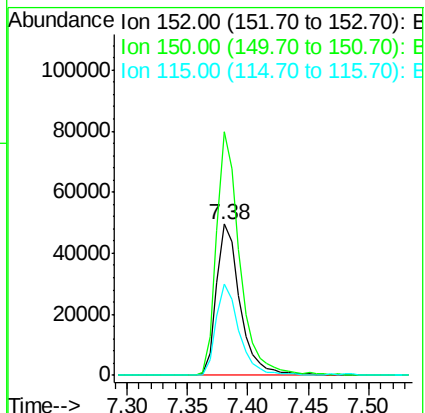
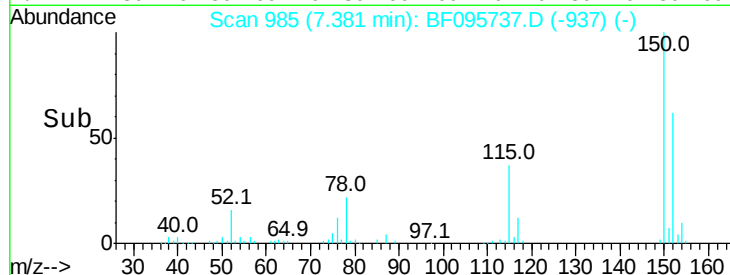
115 60.2 52.2 78.2



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: 14.18 ng

RT: 5.30 min Scan# 632

Delta R.T. 0.02 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

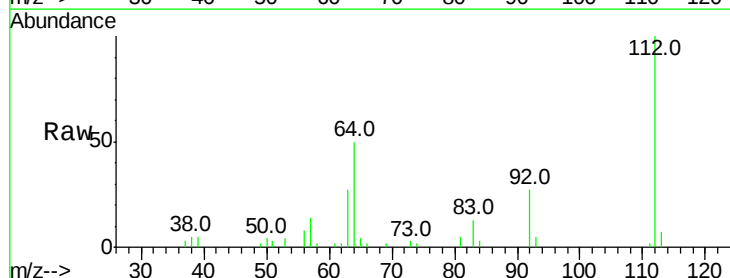
Tgt Ion:112 Resp: 59407

Ion Ratio Lower Upper

112 100

64 50.3 46.0 69.0

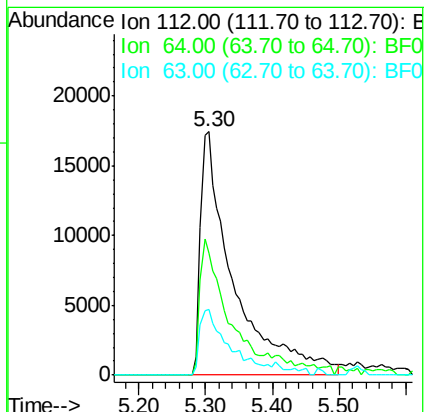
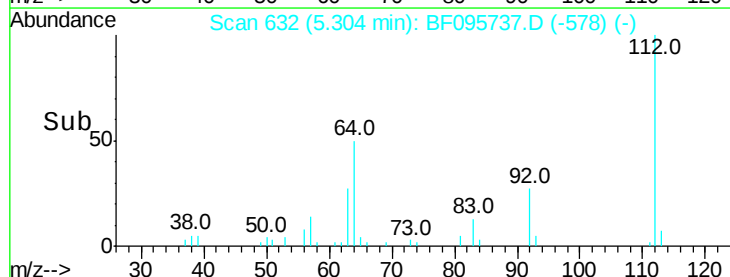
63 27.1 23.4 35.0



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: 13.73 ng

RT: 6.96 min Scan# 913

Delta R.T. -0.00 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

Instrument :

BNA_F

ClientSampleId :

E2-S7-BASE

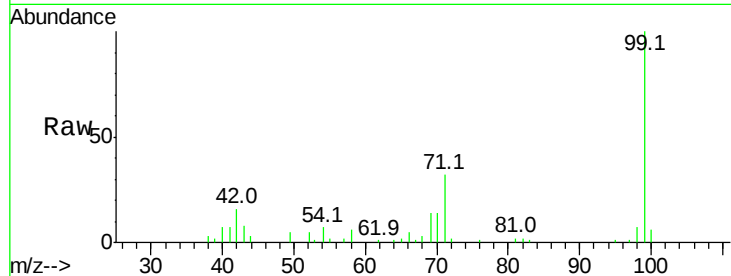
Tot Ion: 99 Resp: 68839

Ion Ratio Lower Upper

99 100

42 16.3 13.5 20.3

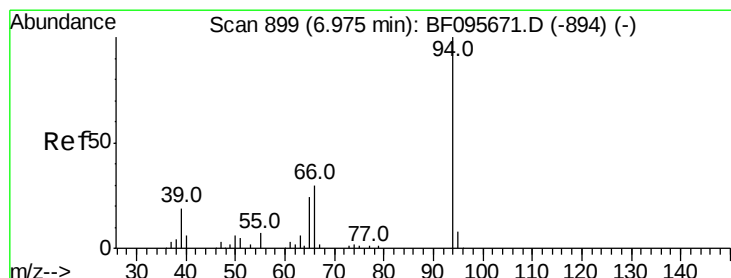
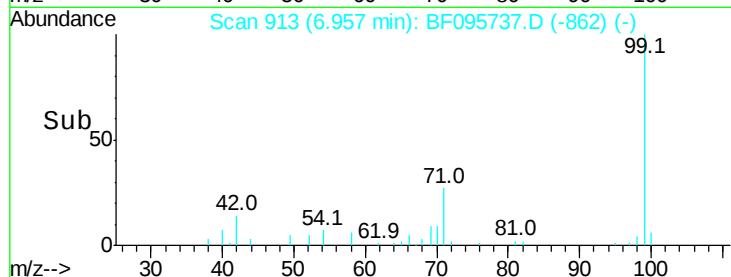
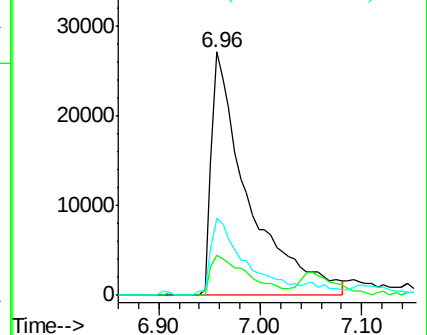
71 31.7 24.5 36.7



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



#10

Phenol

Concen: 2.29 ng

RT: 6.99 min Scan# 918

Delta R.T. 0.01 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

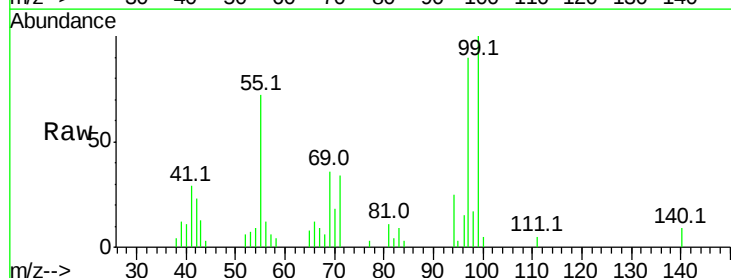
Tgt Ion: 94 Resp: 11926

Ion Ratio Lower Upper

94 100

65 31.0 9.9 49.9

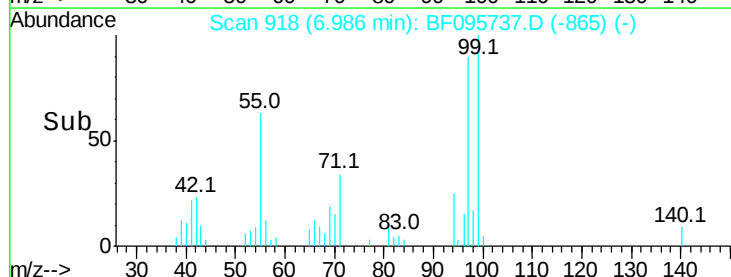
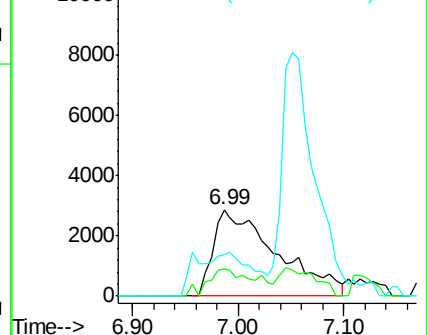
66 48.0 23.1 63.1

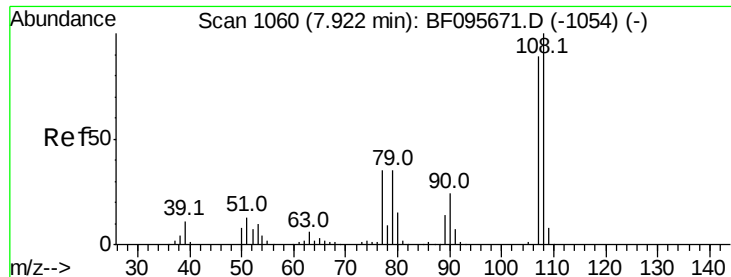


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

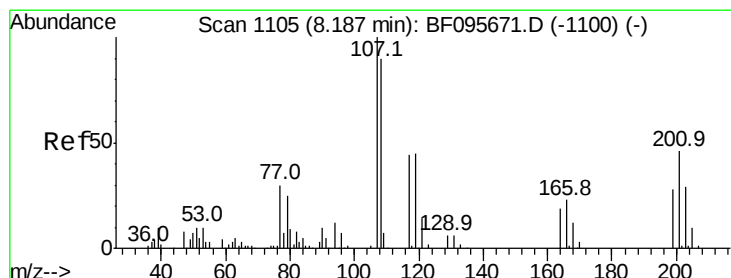
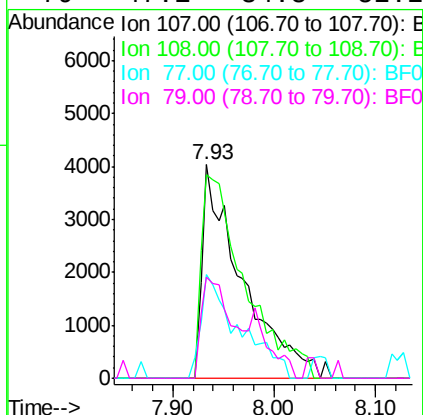
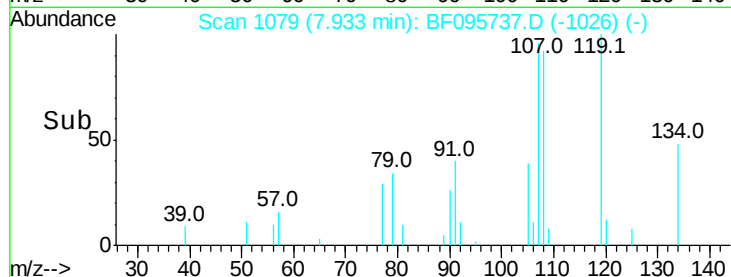
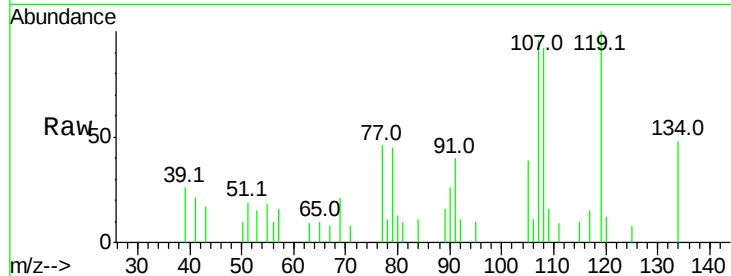




#17
 2-Methylphenol
 Concen: 2.94 ng
 RT: 7.93 min Scan# 1079
 Delta R.T. 0.01 min
 Lab File: BF095737.D
 Acq: 7 Jun 2017 8:49

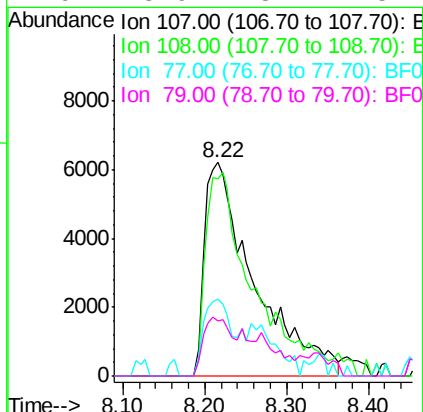
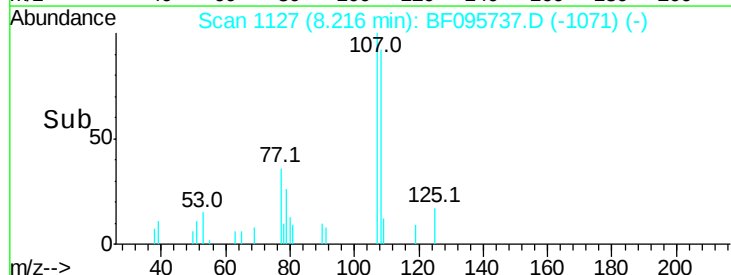
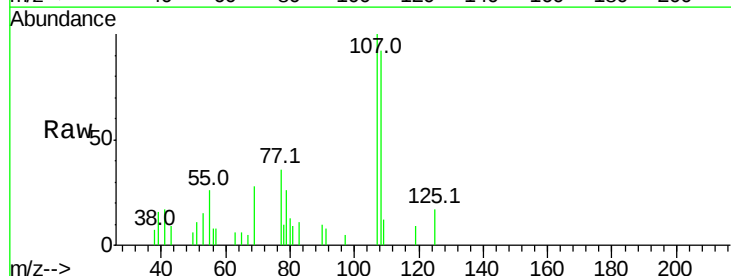
Instrument :
 BNA_F
 ClientSampleId :
 E2-S7-BASE

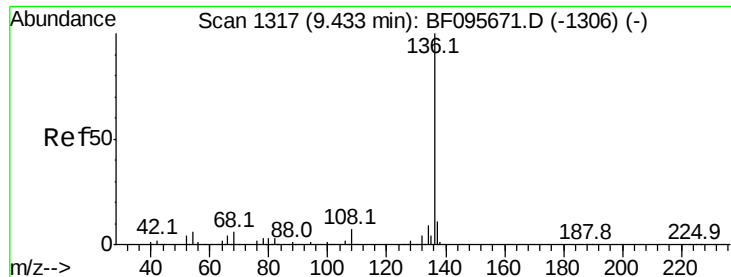
Tot Ion:	107	Resp:	10978
Ion	Ratio	Lower	Upper
107	100		
108	95.6	93.4	140.0
77	48.3	35.8	53.6
79	47.1	34.8	52.2



#20
 3+4-Methylphenols
 Concen: 5.56 ng
 RT: 8.22 min Scan# 1127
 Delta R.T. 0.03 min
 Lab File: BF095737.D
 Acq: 7 Jun 2017 8:49

Tgt Ion:	107	Resp:	26354
Ion	Ratio	Lower	Upper
107	100		
108	92.1	71.0	111.0
77	36.0	90.5	130.5#
79	25.9	8.4	48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.42 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

Instrument :

BNA_F

ClientSampleId :

E2-S7-BASE

Tot Ion:136 Resp: 252425

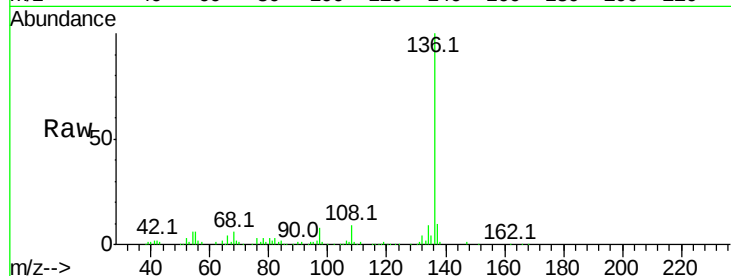
Ion Ratio Lower Upper

136 100

137 10.3 8.5 12.7

54 6.3 4.9 7.3

68 5.8 4.1 6.1

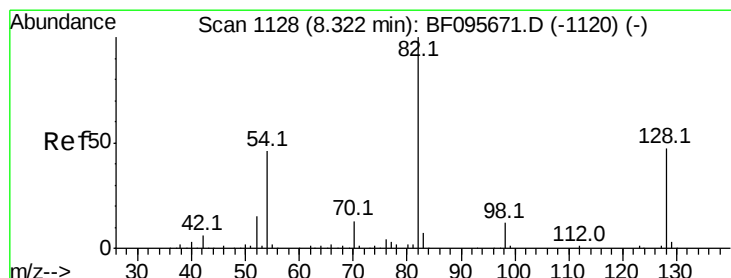
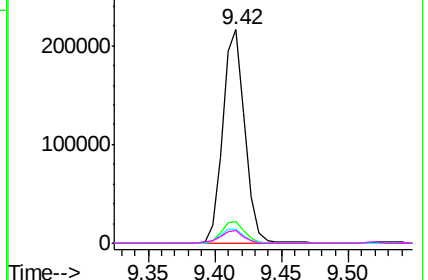
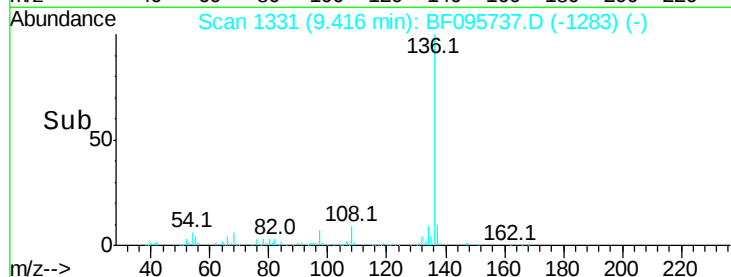


Abundance Ion 136.00 (135.70 to 136.70): E

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: 9.40 ng

RT: 8.30 min Scan# 1142

Delta R.T. -0.02 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

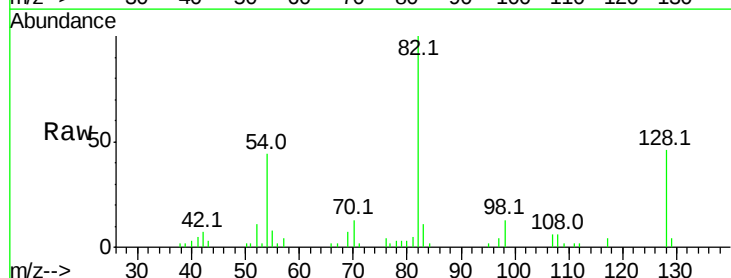
Tgt Ion: 82 Resp: 38220

Ion Ratio Lower Upper

82 100

128 45.9 34.0 51.0

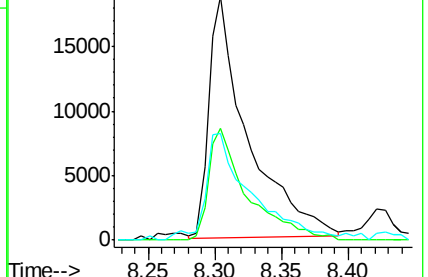
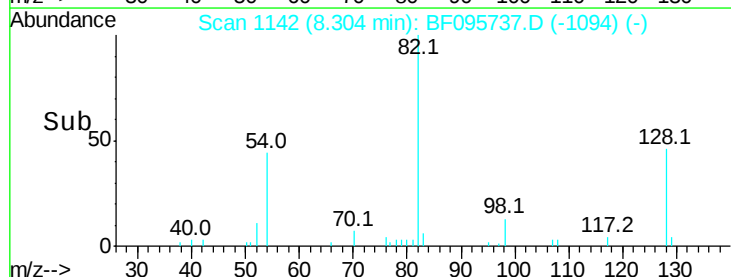
54 43.7 42.2 63.2

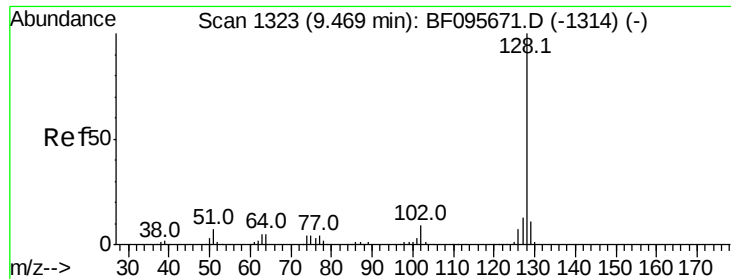


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

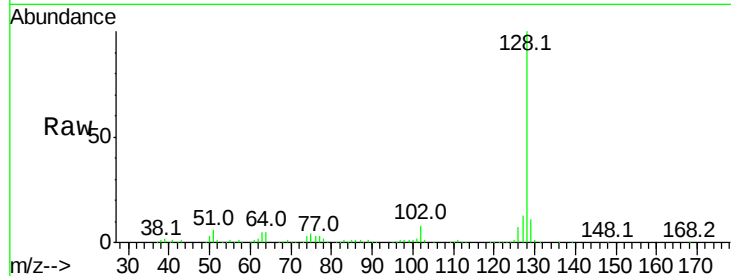




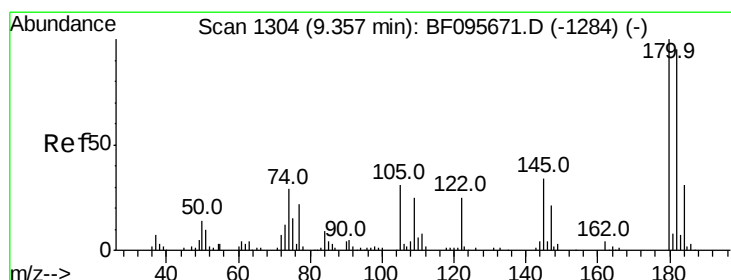
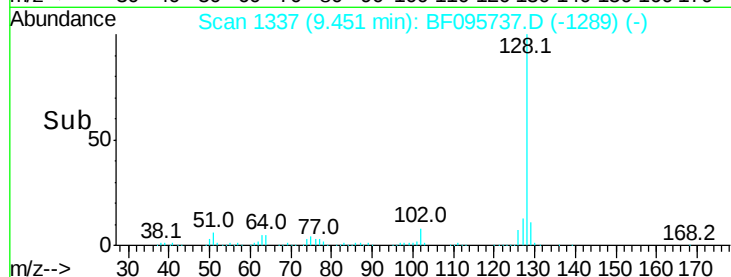
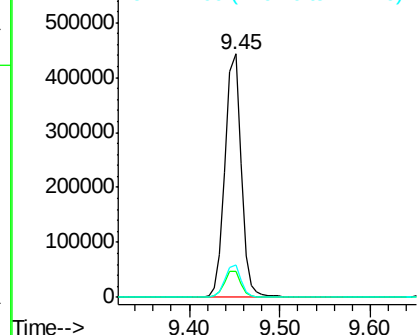
#31
Naphthalene
Concen: 43.24 ng
RT: 9.45 min Scan# 1337
Delta R.T. -0.02 min
Lab File: BF095737.D
Acq: 7 Jun 2017 8:49

Instrument :
BNA_F
ClientSampleId :
E2-S7-BASE

Tot Ion:128 Resp: 547734
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.6
127 13.1 10.8 16.2

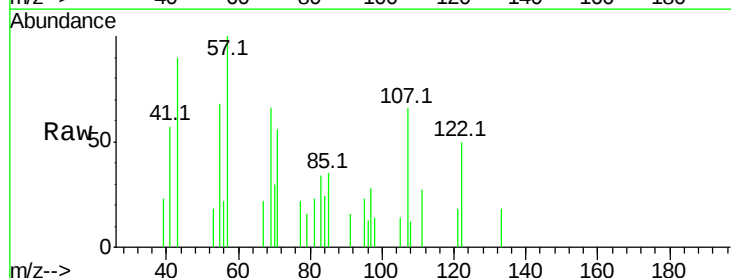


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

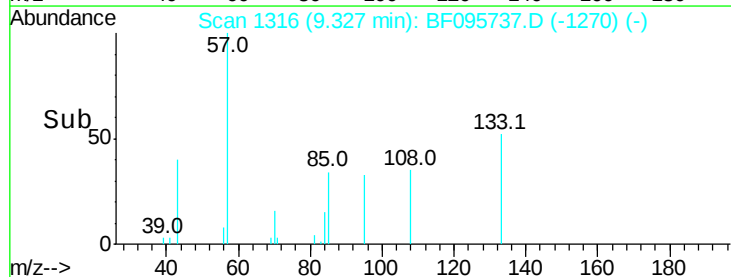
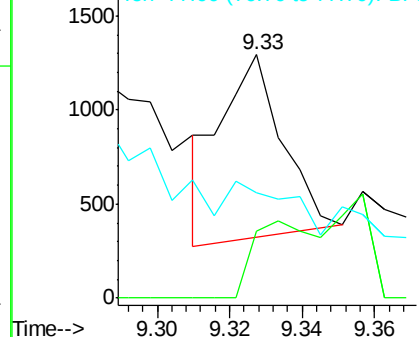


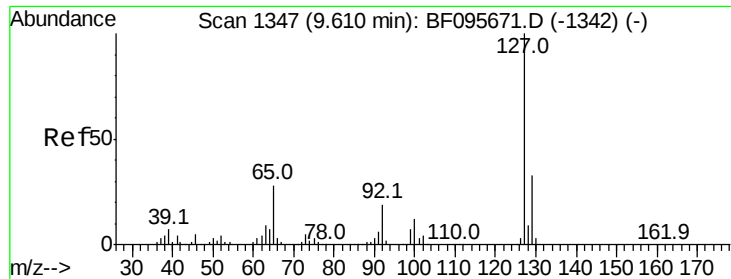
#32
Benzoic acid
Concen: 5.59 ng
RT: 9.33 min Scan# 1316
Delta R.T. -0.03 min
Lab File: BF095737.D
Acq: 7 Jun 2017 8:49

Tgt Ion:122 Resp: 1164
Ion Ratio Lower Upper
122 100
105 27.3 103.3 143.3#
77 43.4 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

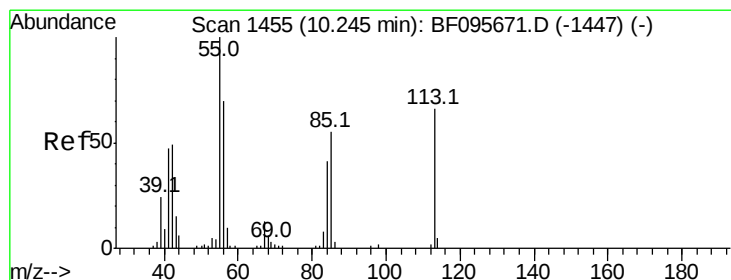
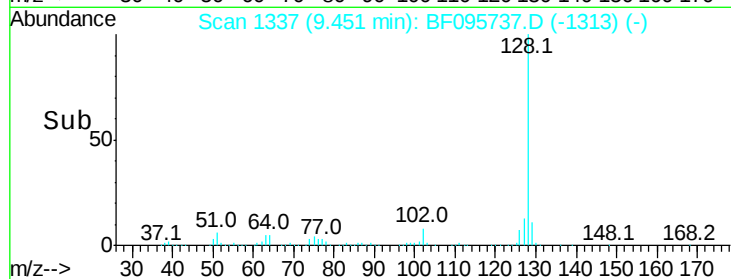
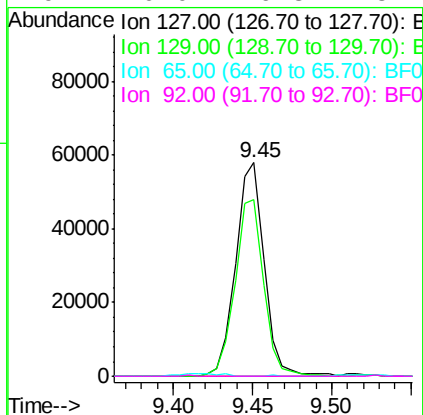
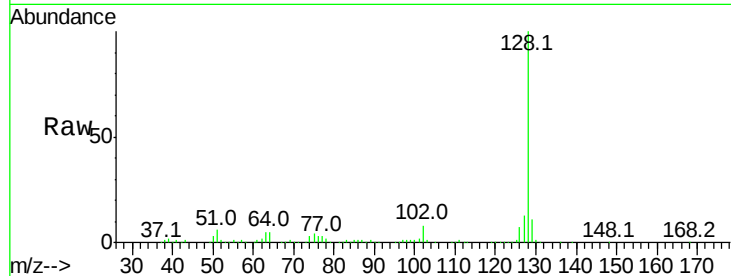




#33
4-Chloroaniline
Concen: 14.56 ng
RT: 9.45 min Scan# 1337
Delta R.T. -0.16 min
Lab File: BF095737.D
Acq: 7 Jun 2017 8:49

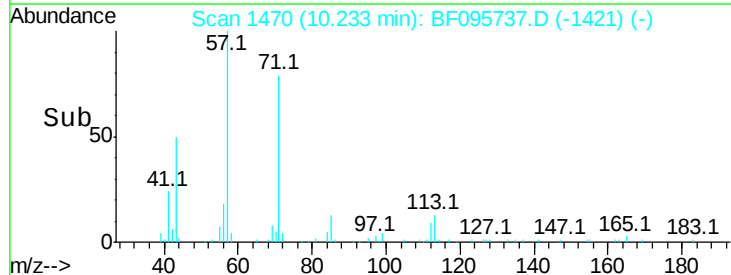
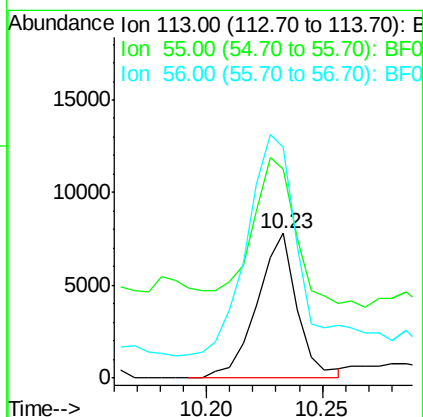
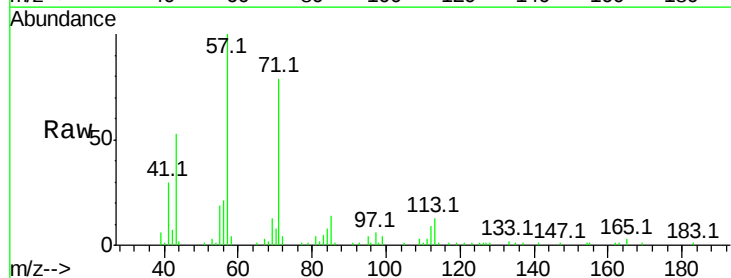
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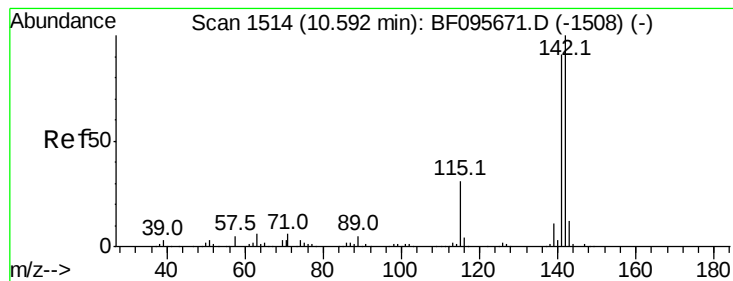
Tot Ion:	127	Resp:	72103
Ion	Ratio	Lower	Upper
127	100		
129	82.8	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



#35
Caprolactam
Concen: 9.35 ng
RT: 10.23 min Scan# 1470
Delta R.T. -0.01 min
Lab File: BF095737.D
Acq: 7 Jun 2017 8:49

Tgt Ion:	113	Resp:	9454
Ion	Ratio	Lower	Upper
113	100		
55	144.5	150.2	190.2#
56	158.9	107.8	147.8#





#37

2-Methylnaphthalene

Concen: 10.97 ng

RT: 10.57 min Scan# 1528

Delta R.T. -0.02 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

Instrument :

BNA_F

ClientSampleId :

E2-S7-BASE

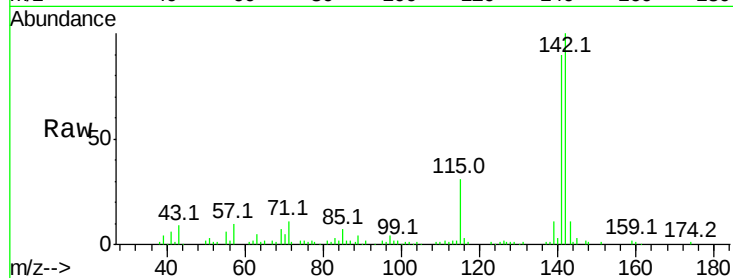
Tot Ion:142 Resp: 93856

Ion Ratio Lower Upper

142 100

141 89.6 71.3 106.9

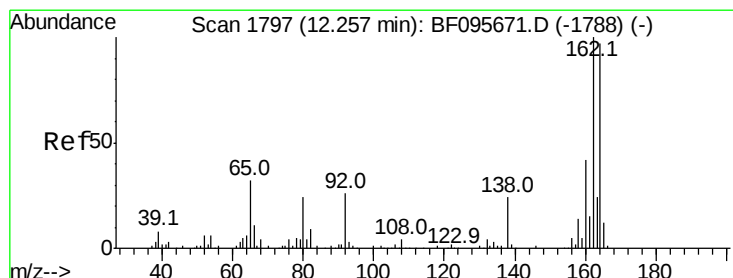
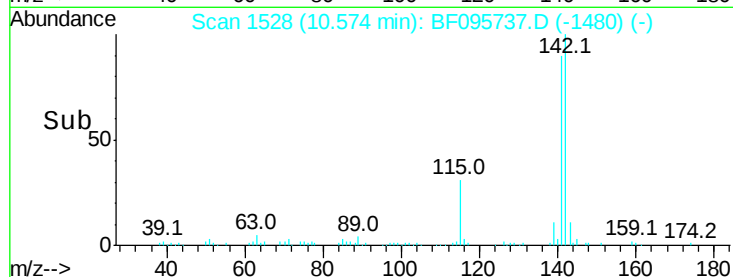
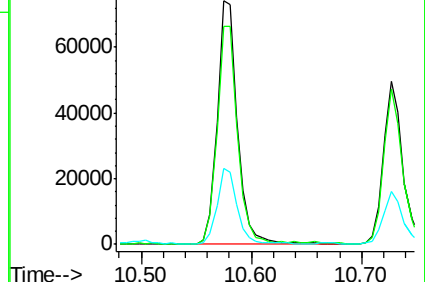
115 30.9 27.1 40.7



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: 12.24 min Scan# 1811

Delta R.T. -0.02 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

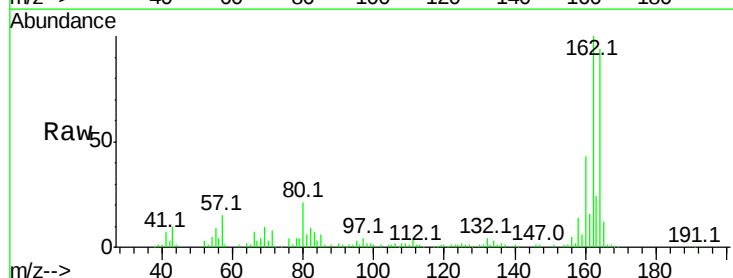
Tgt Ion:164 Resp: 95581

Ion Ratio Lower Upper

164 100

162 106.7 82.6 123.8

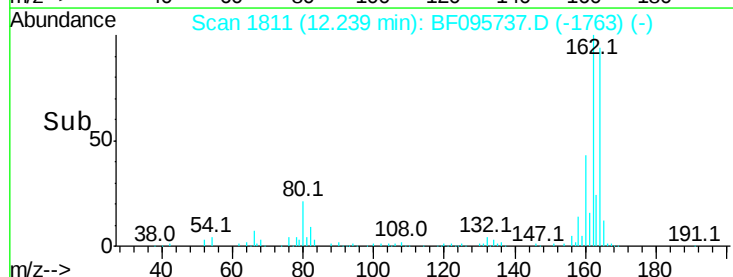
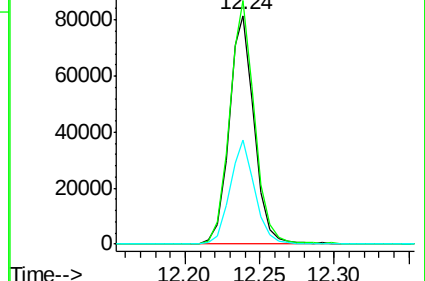
160 45.4 36.2 54.2

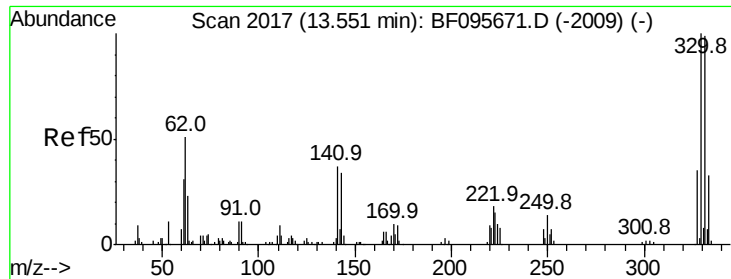


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

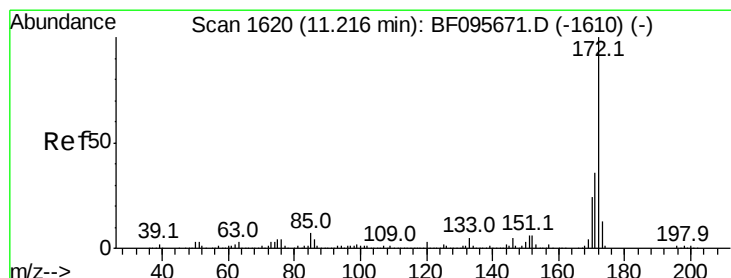
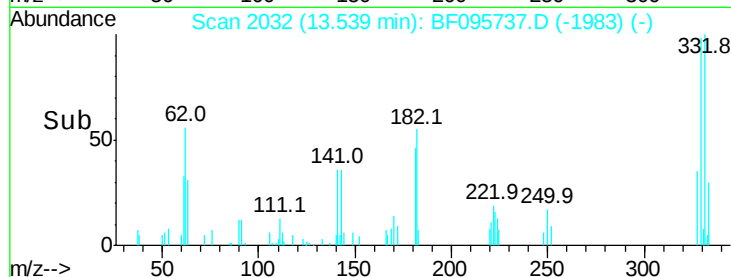
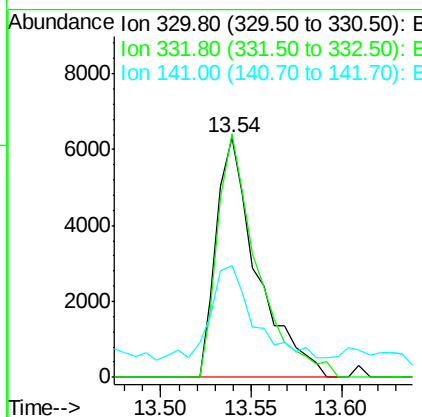
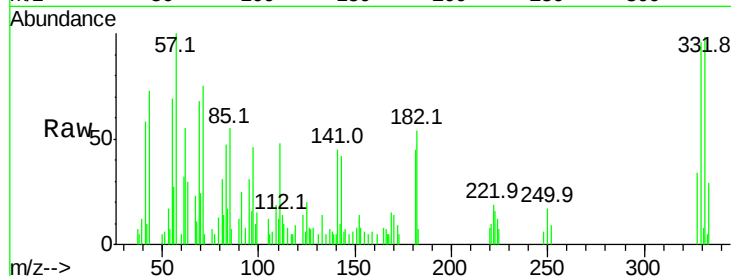




#41
 2,4,6-Tribromophenol
 Concen: 11.68 ng
 RT: 13.54 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF095737.D
 Acq: 7 Jun 2017 8:49

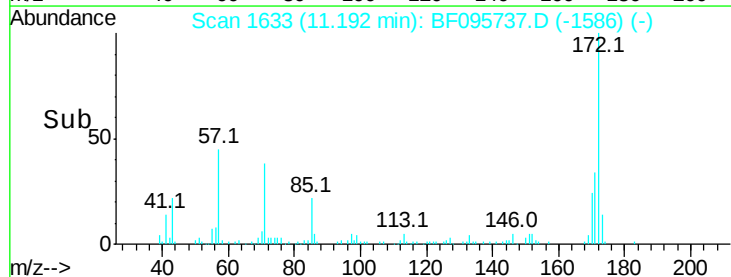
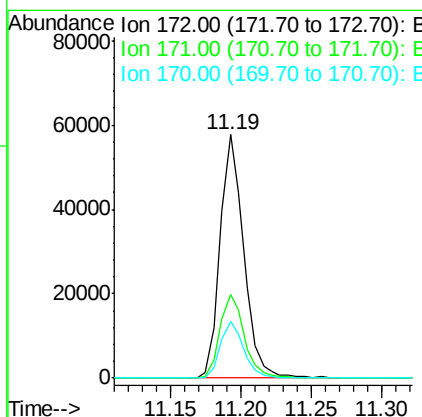
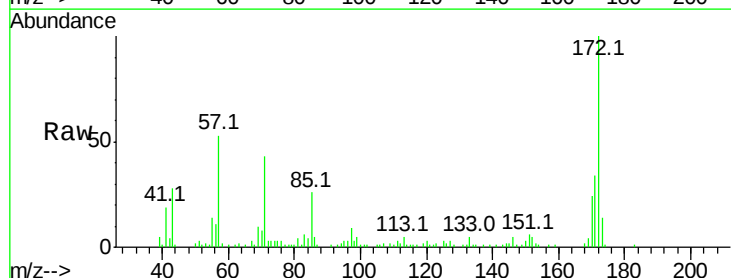
Instrument :
 BNA_F
 ClientSampleId :
 E2-S7-BASE

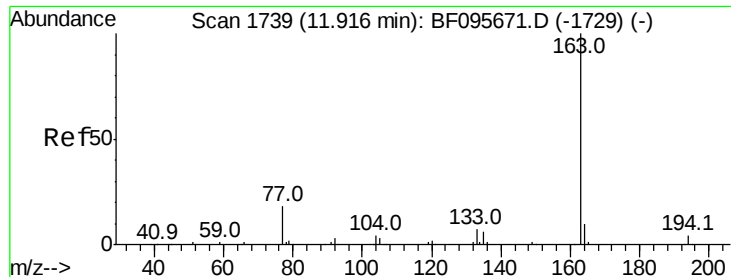
Tot Ion:330 Resp: 9874
 Ion Ratio Lower Upper
 330 100
 332 99.6 76.6 115.0
 141 48.7 31.4 47.2#



#44
 2-Fluorobiphenyl
 Concen: 9.77 ng
 RT: 11.19 min Scan# 1633
 Delta R.T. -0.02 min
 Lab File: BF095737.D
 Acq: 7 Jun 2017 8:49

Tgt Ion:172 Resp: 67138
 Ion Ratio Lower Upper
 172 100
 171 34.2 29.6 44.4
 170 23.5 19.8 29.8





#49

Dimethylphthalate

Concen: 2.17 ng

RT: 11.89 min Scan# 1752

Delta R.T. -0.02 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

Instrument :

BNA_F

ClientSampleId :

E2-S7-BASE

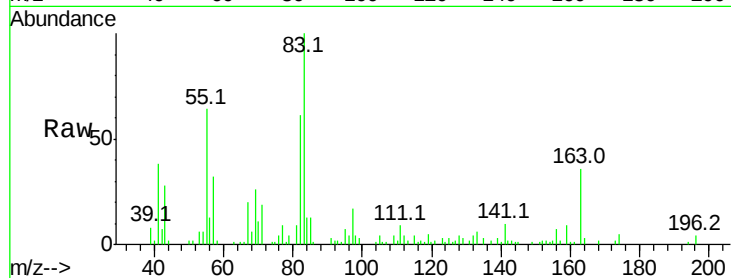
Tot Ion:163 Resp: 15736

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

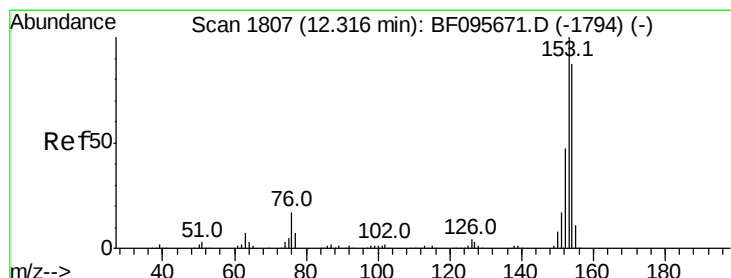
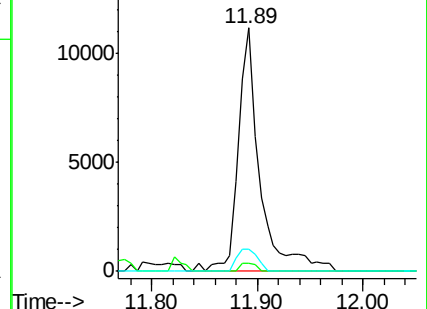
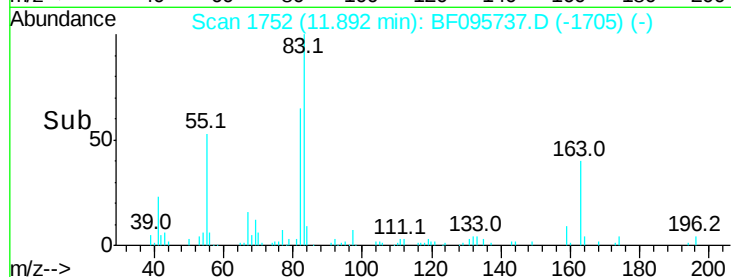
164 9.0 8.4 12.6



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



#51

Acenaphthene

Concen: 5.99 ng

RT: 12.29 min Scan# 1819

Delta R.T. -0.03 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

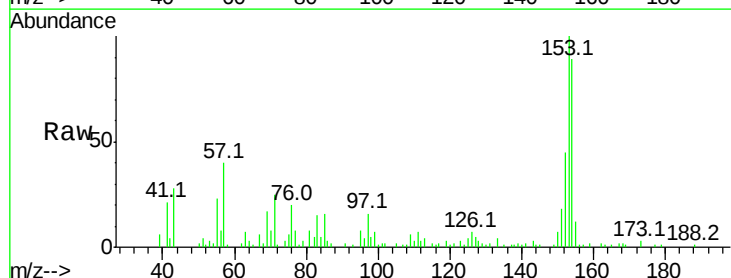
Tgt Ion:154 Resp: 36406

Ion Ratio Lower Upper

154 100

153 112.2 90.5 135.7

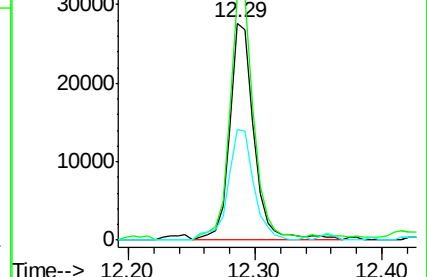
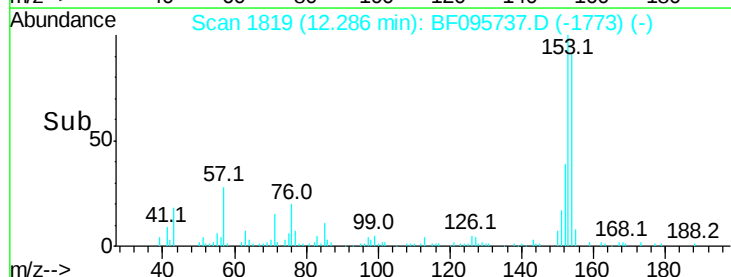
152 50.7 43.6 65.4

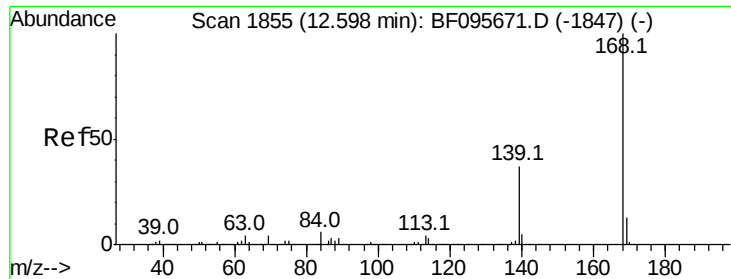


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

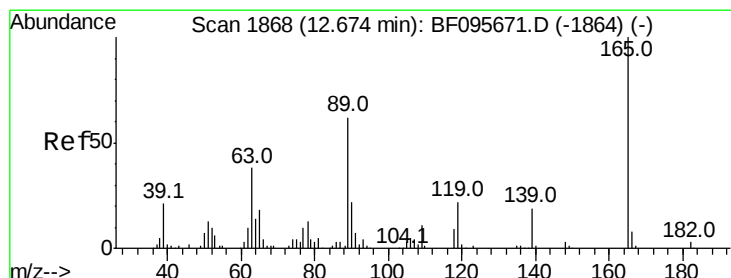
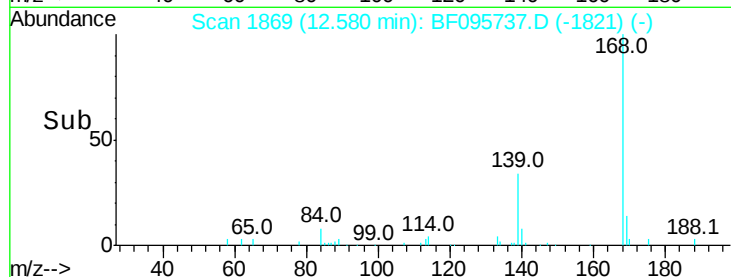
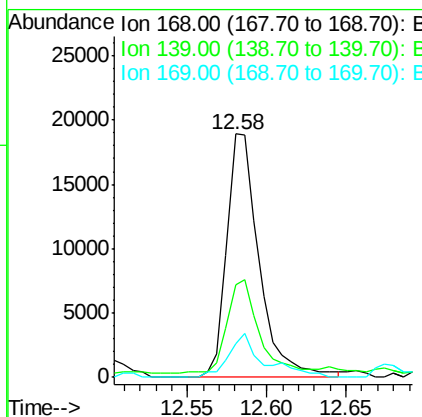
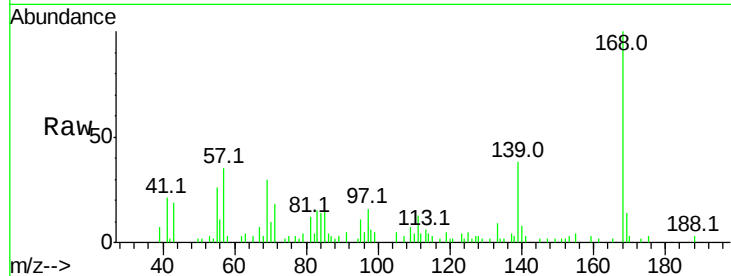




#54
Dibenzenofuran
Concen: 3.14 ng
RT: 12.58 min Scan# 1869
Delta R.T. -0.02 min
Lab File: BF095737.D
Acq: 7 Jun 2017 8:49

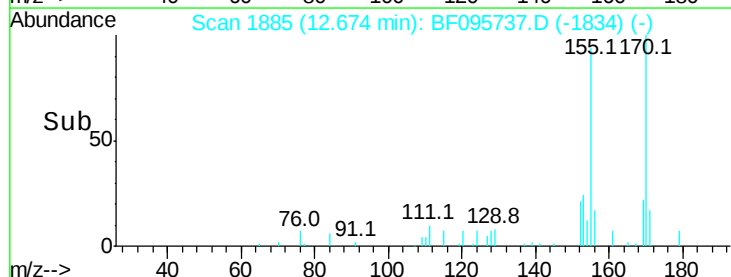
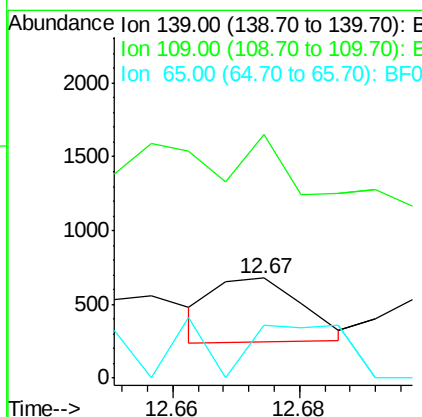
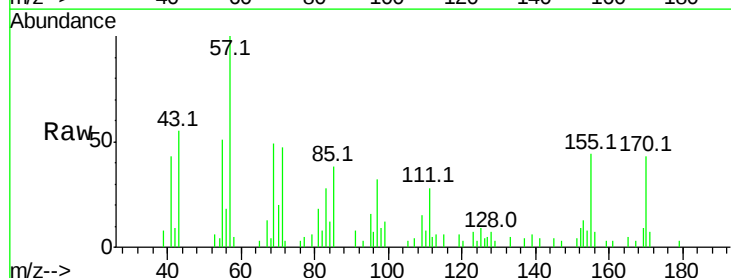
Instrument :
BNA_F
ClientSampleId :
E2-S7-BASE

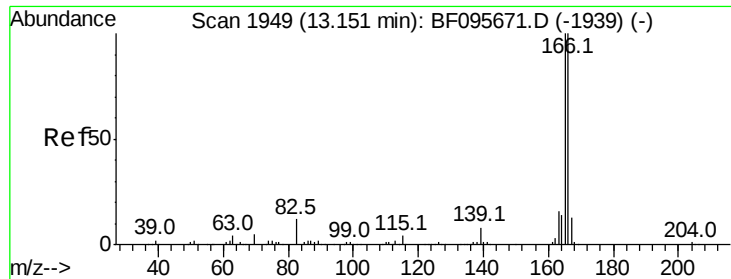
Tot Ion:168 Resp: 26896
Ion Ratio Lower Upper
168 100
139 38.1 30.6 45.8
169 13.8 10.8 16.2



#55
4-Nitrophenol
Concen: 4.99 ng
RT: 12.67 min Scan# 1885
Delta R.T. 0.00 min
Lab File: BF095737.D
Acq: 7 Jun 2017 8:49

Tgt Ion:139 Resp: 417
Ion Ratio Lower Upper
139 100
109 243.2 34.1 74.1#
65 52.3 31.4 71.4

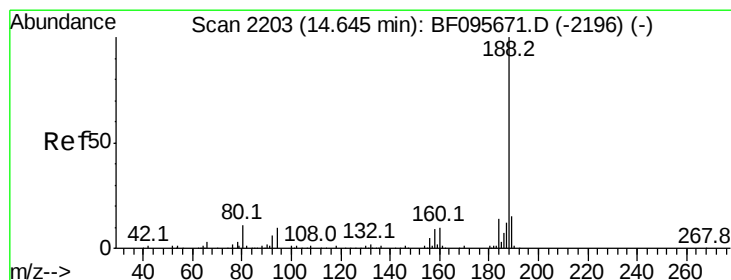
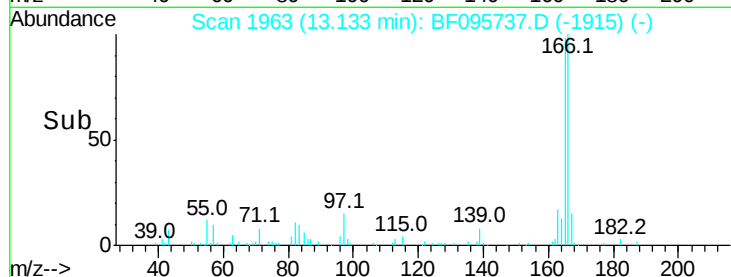
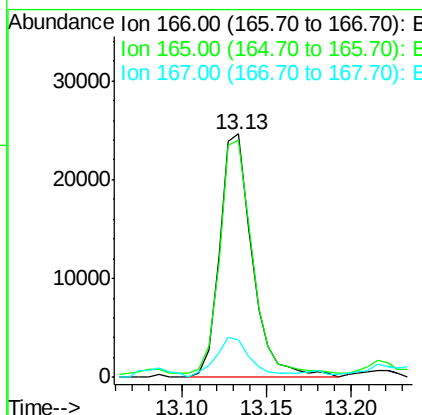
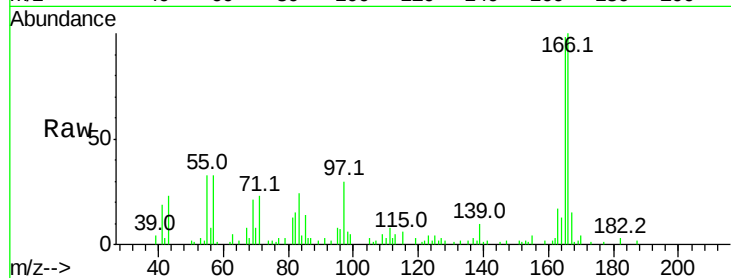




#57
 Fluorene
 Concen: 4.44 ng
 RT: 13.13 min Scan# 1963
 Delta R.T. -0.02 min
 Lab File: BF095737.D
 Acq: 7 Jun 2017 8:49

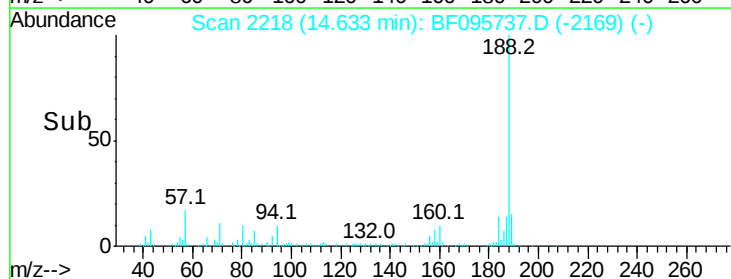
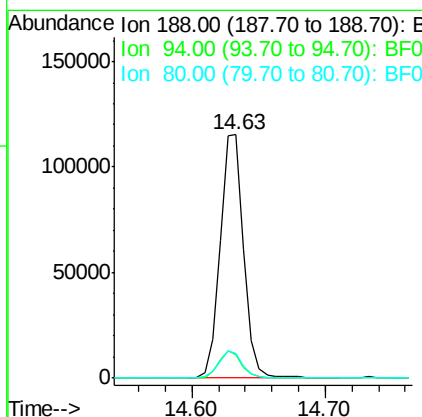
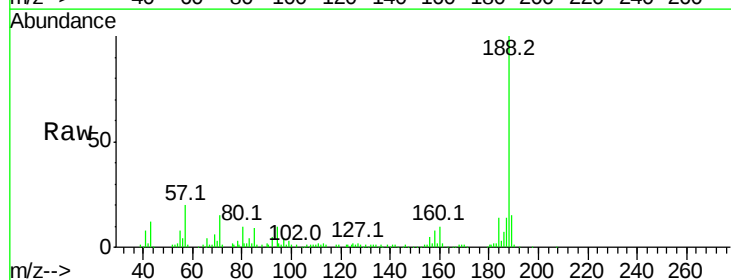
Instrument :
 BNA_F
 ClientSampleId :
 E2-S7-BASE

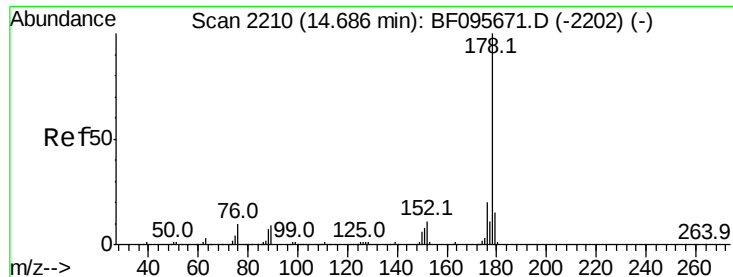
Tot Ion:166 Resp: 33035
 Ion Ratio Lower Upper
 166 100
 165 97.6 78.8 118.2
 167 15.4 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.63 min Scan# 2218
 Delta R.T. -0.01 min
 Lab File: BF095737.D
 Acq: 7 Jun 2017 8:49

Tgt Ion:188 Resp: 142969
 Ion Ratio Lower Upper
 188 100
 94 9.8 9.4 14.2
 80 10.1 10.2 15.2#





#70

Phenanthrene

Concen: 12.52 ng

RT: 14.67 min Scan# 2224

Delta R.T. -0.02 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

Instrument :

BNA_F

ClientSampleId :

E2-S7-BASE

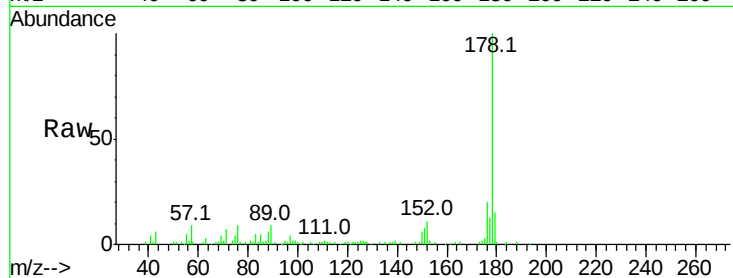
Tot Ion:178 Resp: 103272

Ion Ratio Lower Upper

178 100

176 19.7 16.2 24.4

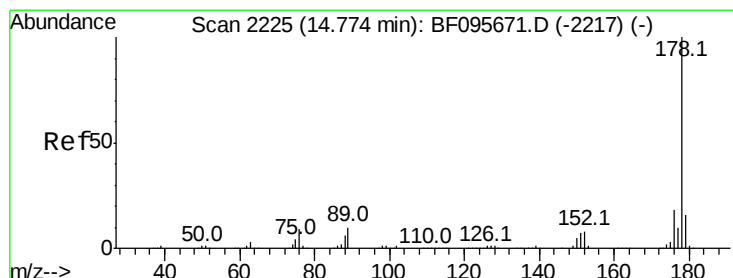
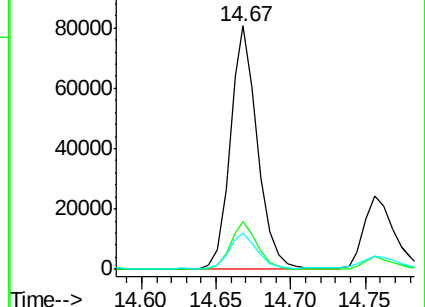
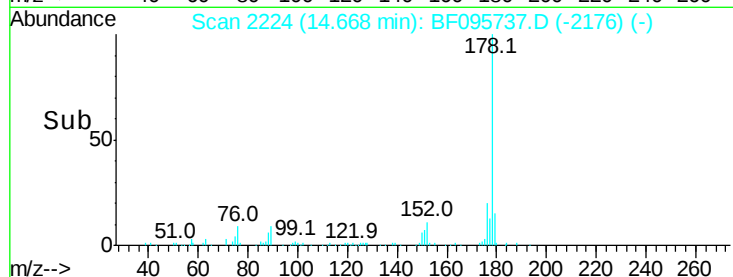
179 15.1 12.6 19.0



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: 4.06 ng

RT: 14.76 min Scan# 2239

Delta R.T. -0.02 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

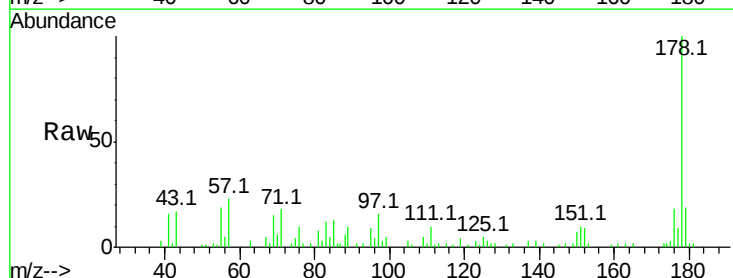
Tgt Ion:178 Resp: 34993

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

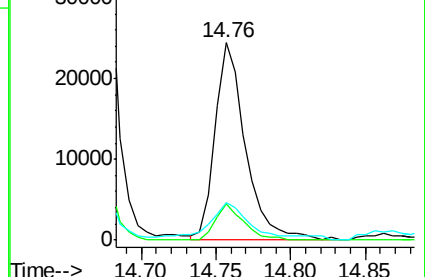
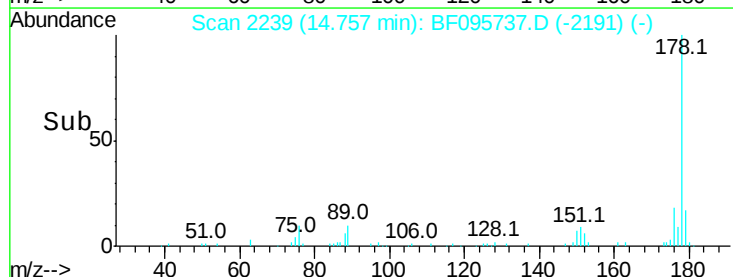
179 18.7 12.7 19.1

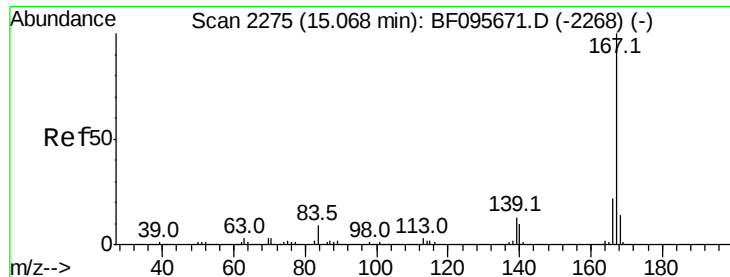


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.59 ng

RT: 15.06 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

Instrument :

BNA_F

ClientSampleId :

E2-S7-BASE

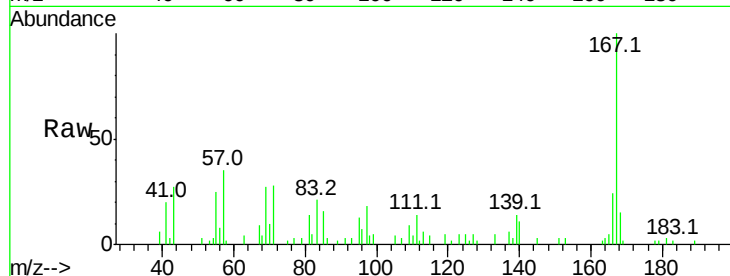
Tot Ion:167 Resp: 21701

Ion Ratio Lower Upper

167 100

166 23.6 18.1 27.1

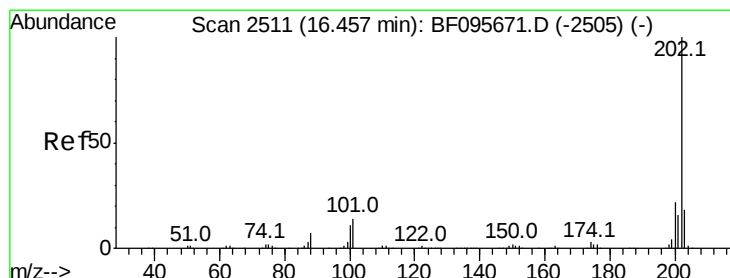
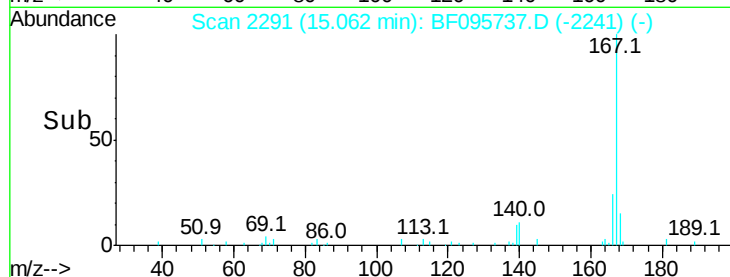
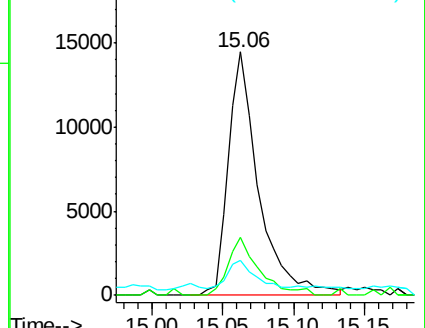
139 14.1 11.7 17.5



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: 6.53 ng

RT: 16.44 min Scan# 2526

Delta R.T. -0.01 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

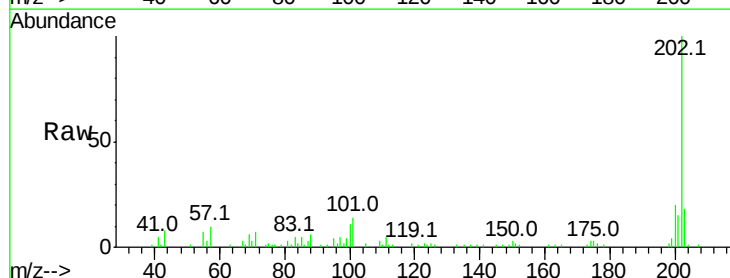
Tgt Ion:202 Resp: 53287

Ion Ratio Lower Upper

202 100

101 13.8 0.0 33.2

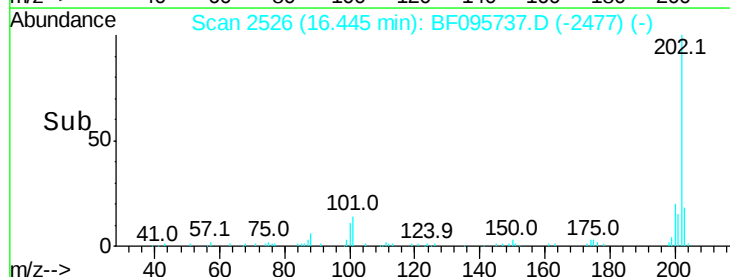
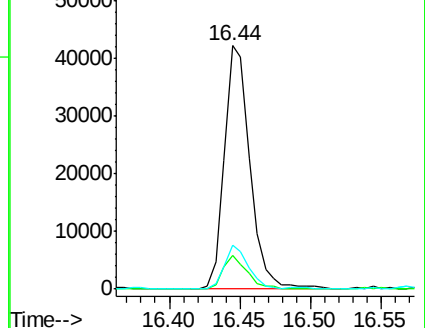
203 18.2 0.0 38.1

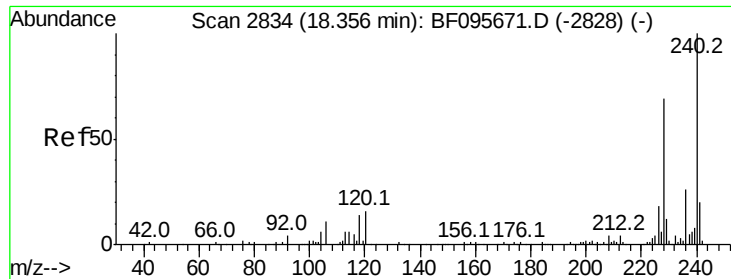


Abundance Ion 202.00 (201.70 to 202.70): E

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: 18.34 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

Instrument :

BNA_F

ClientSampleId :

E2-S7-BASE

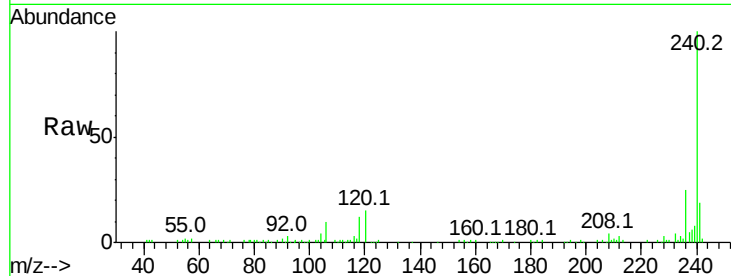
Tot Ion:240 Resp: 128957

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

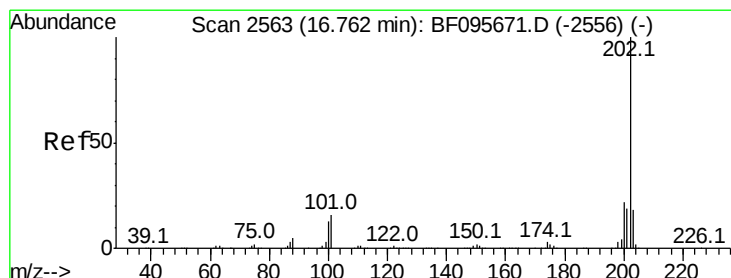
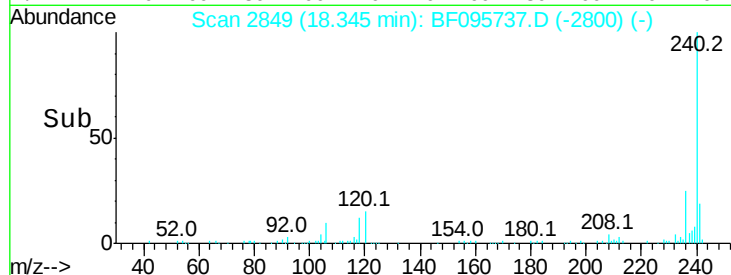
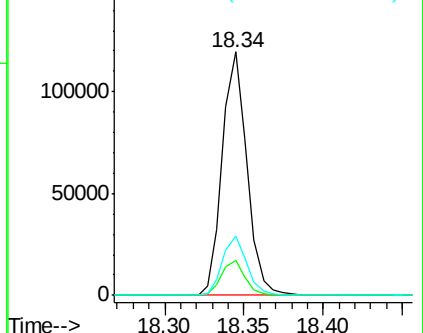
236 24.6 20.5 30.7



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: 4.18 ng

RT: 16.75 min Scan# 2578

Delta R.T. -0.01 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

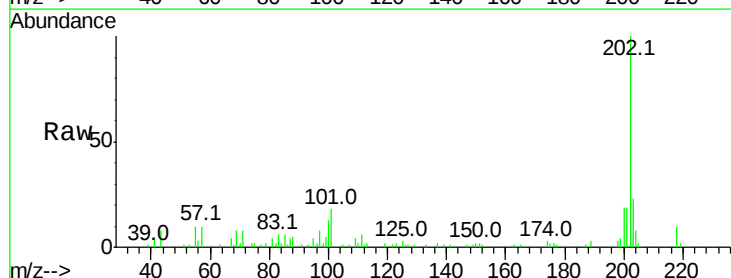
Tgt Ion:202 Resp: 40227

Ion Ratio Lower Upper

202 100

200 19.0 17.6 26.4

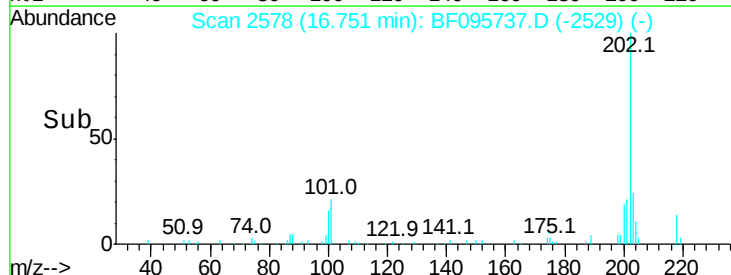
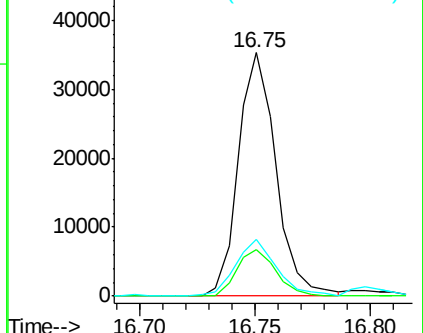
203 23.2 14.4 21.6#

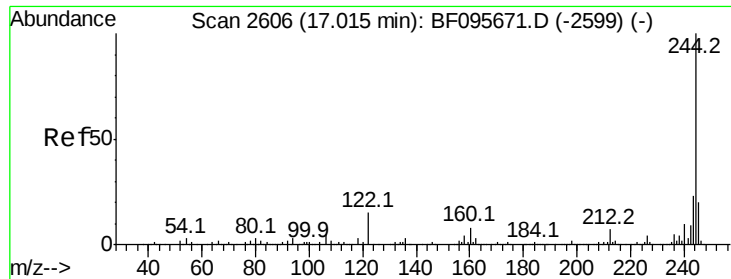


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 8.08 ng

RT: 17.00 min Scan# 2620

Delta R.T. -0.02 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

Instrument :

BNA_F

ClientSampleId :

E2-S7-BASE

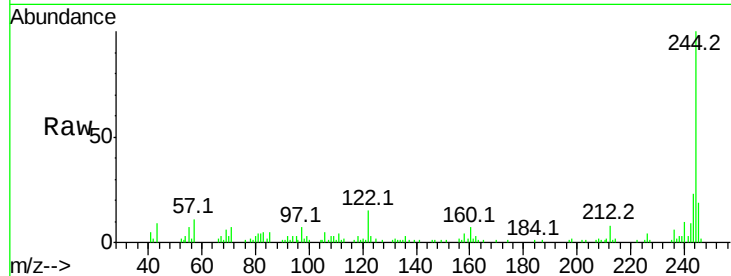
Tot Ion:244 Resp: 41979

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

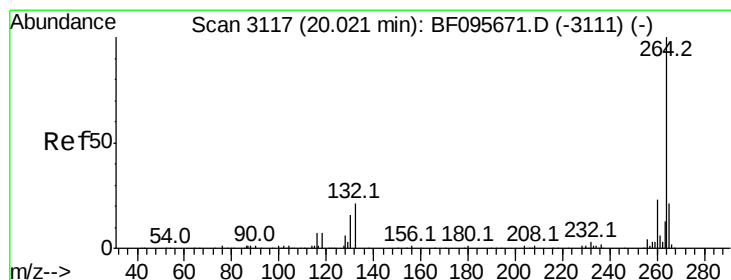
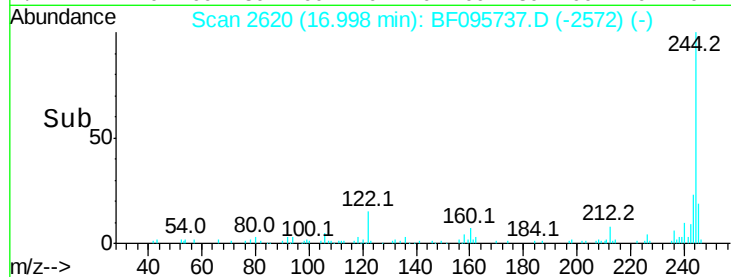
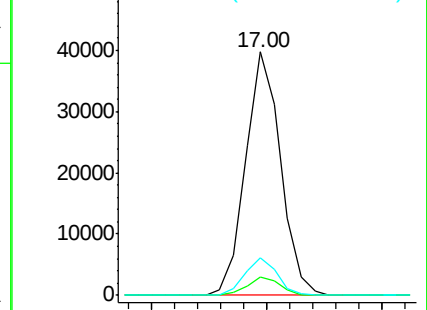
122 15.2 10.3 15.5



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.01 min Scan# 3132

Delta R.T. -0.01 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

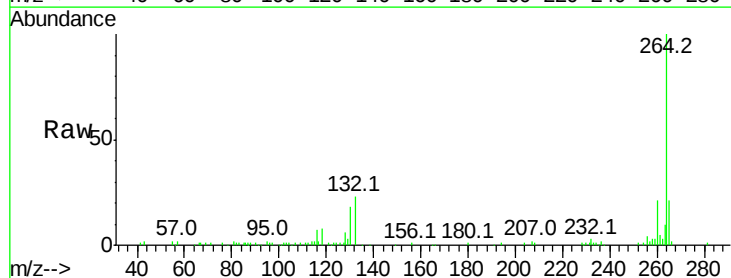
Tgt Ion:264 Resp: 91174

Ion Ratio Lower Upper

264 100

260 21.1 19.5 29.3

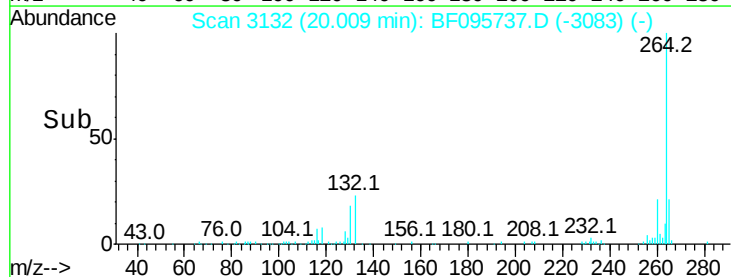
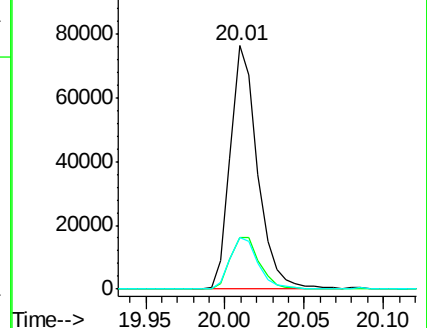
265 21.2 17.2 25.8

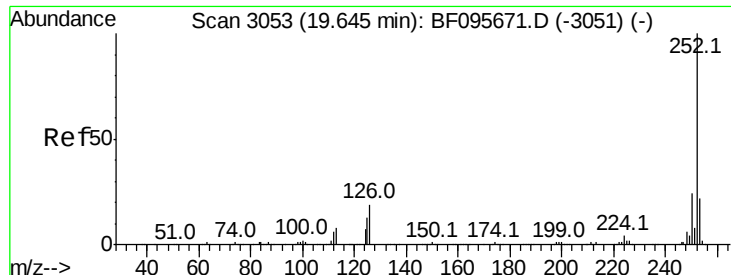


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(k)fluoranthene

Concen: 2.07 ng

RT: 19.62 min Scan# 3065

Delta R.T. -0.03 min

Lab File: BF095737.D

Acq: 7 Jun 2017 8:49

Instrument :

BNA_F

ClientSampleId :

E2-S7-BASE

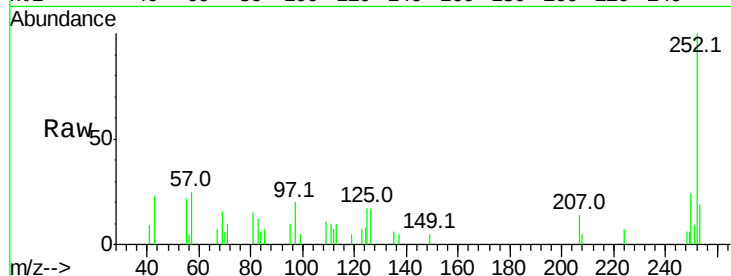
Tot Ion:252 Resp: 11290

Ion Ratio Lower Upper

252 100

253 19.2 18.4 27.6

125 17.5 13.1 19.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

