

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
 Data File : BF097046.D
 Acq On : 25 Jul 2017 23:12
 Operator : SJ/JU
 Sample : I4290-01RE
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-1

Quant Time: Jul 26 01:07:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

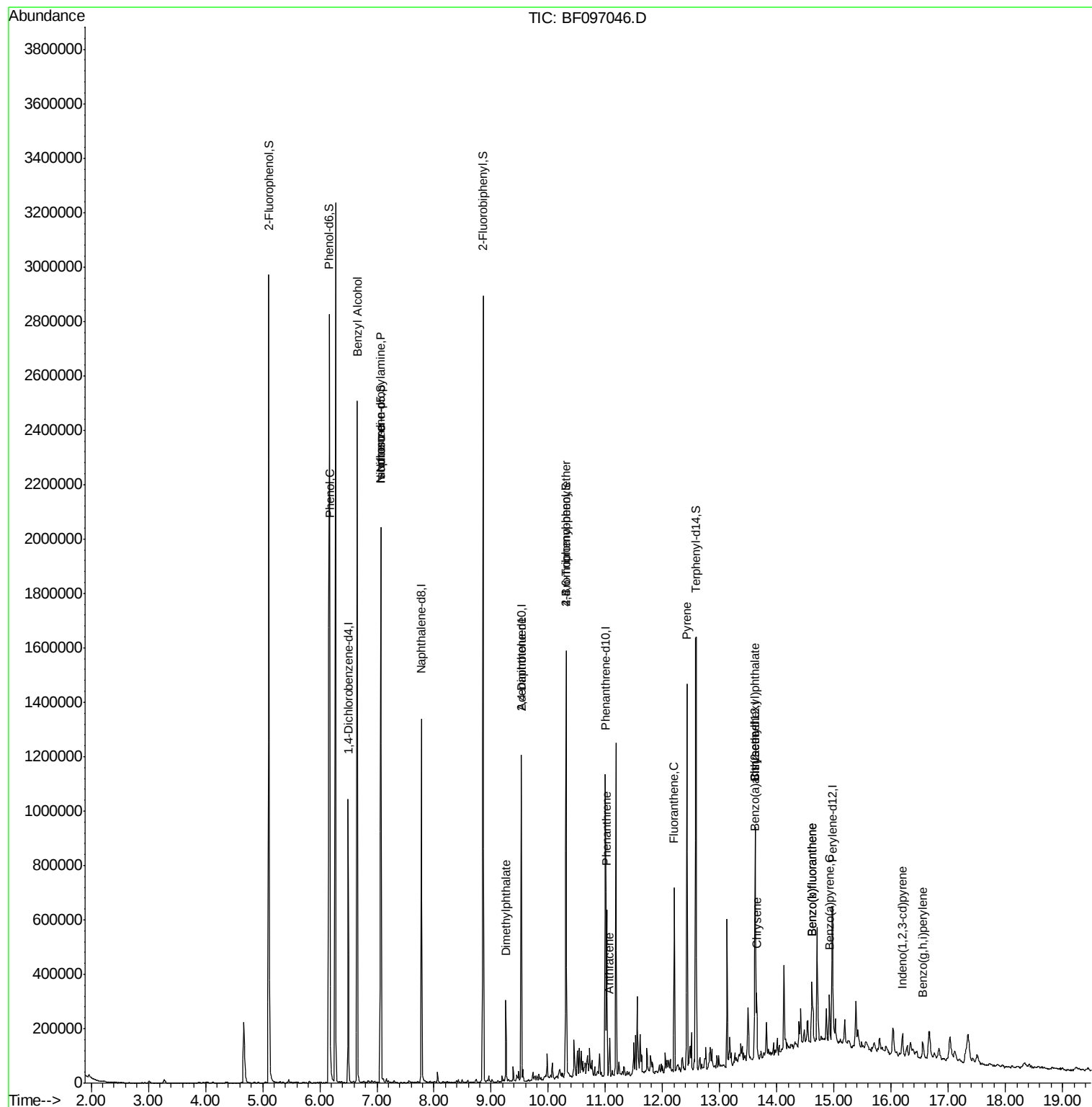
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	141953	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	564727	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	232196	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	357077	20.00	ng	0.00
75) Chrysene-d12	13.62	240	224790	20.00	ng	0.00
86) Perylene-d12	14.97	264	204845	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.11	112	973188	103.35	ng	0.01
7) Phenol-d6	6.17	99	1192619	110.94	ng	0.00
23) Nitrobenzene-d5	7.07	82	703341	73.06	ng	0.00
41) 2,4,6-Tribromophenol	10.32	330	190563	103.87	ng	0.00
44) 2-Fluorobiphenyl	8.86	172	941984	68.85	ng	0.00
78) Terphenyl-d14	12.59	244	526489	47.75	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.18	94	48974	3.84	ng	93
15) Benzyl Alcohol	6.66	79	13734	2.02	ng	# 29
19) n-Nitroso-di-n-propylamine	7.07	70	96841	13.69	ng	# 88
25) Isophorone	7.07	82	694960	36.86	ng	# 67
49) Dimethylphthalate	9.26	163	104805	5.94	ng	99
56) 2,4-Dinitrotoluene	9.53	165	28997	6.74	ng	# 34
66) 4-Bromophenyl-phenylether	10.32	248	12066	3.39	ng	# 1
70) Phenanthrene	11.02	178	205898	10.76	ng	98
71) Anthracene	11.07	178	48409	2.47	ng	97
74) Fluoranthene	12.20	202	254739	13.59	ng	98
77) Pyrene	12.43	202	210898	11.46	ng	99
80) Benzo(a)anthracene	13.61	228	94884	6.52	ng	98
82) Chrysene	13.64	228	87795	6.18	ng	96
83) Bis(2-ethylhexyl)phthalate	13.63	149	25302	2.07	ng	98
85) Indeno(1,2,3-cd)pyrene	16.20	276	41392	3.40	ng	93
87) Benzo(b)fluoranthene	14.61	252	131412	10.67	ng	98
88) Benzo(k)fluoranthene	14.61	252	131412	11.20	ng	98
89) Benzo(a)pyrene	14.92	252	69797	6.19	ng	96
91) Benzo(a,h,i)perylene	16.56	276	37735	3.89	ng	# 90

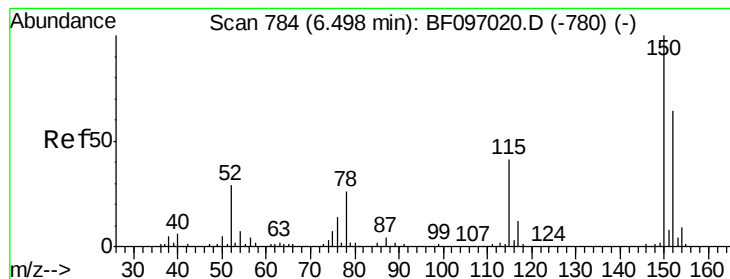
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.50 min Scan# 784

Delta R.T. -0.00 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

Instrument :

BNA_F

ClientSampleId :

S-1

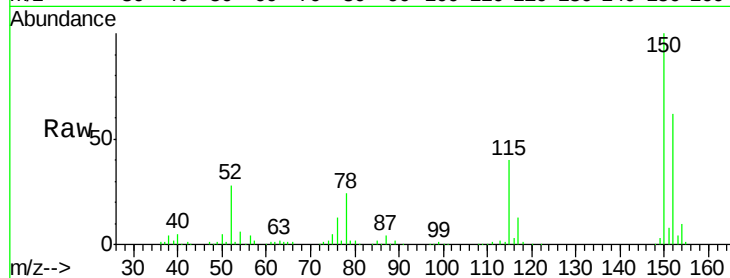
Tot Ion:152 Resp: 141953

Ion Ratio Lower Upper

152 100

150 161.7 126.2 189.2

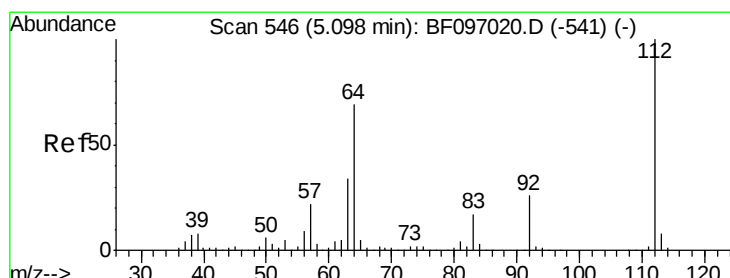
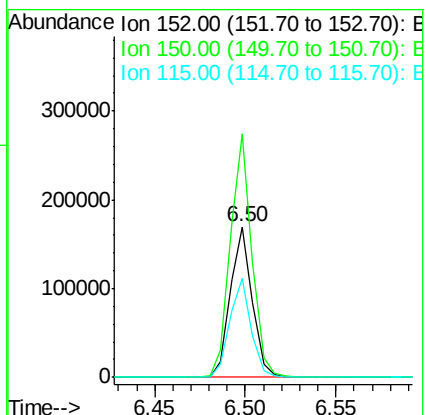
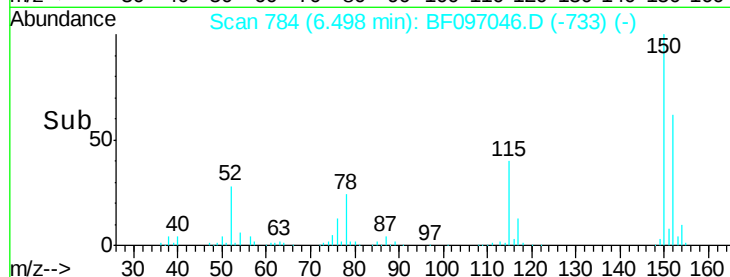
115 65.5 52.2 78.2



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: 103.35 ng

RT: 5.11 min Scan# 548

Delta R.T. 0.01 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

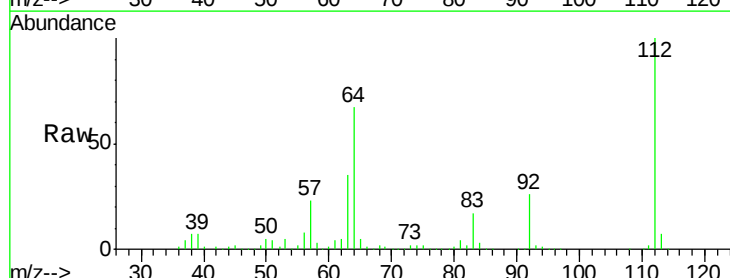
Tgt Ion:112 Resp: 973188

Ion Ratio Lower Upper

112 100

64 67.2 46.0 69.0

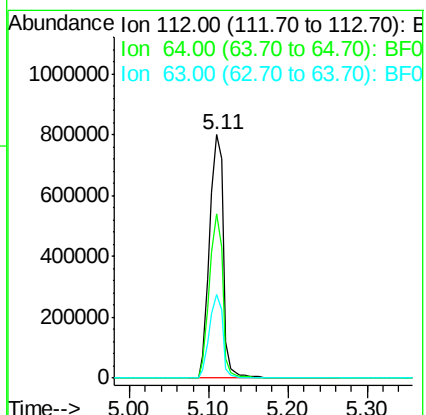
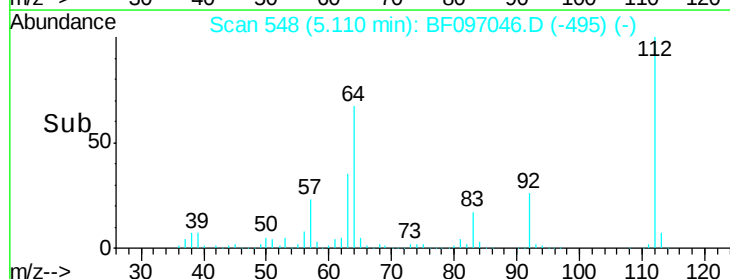
63 34.6 23.4 35.0

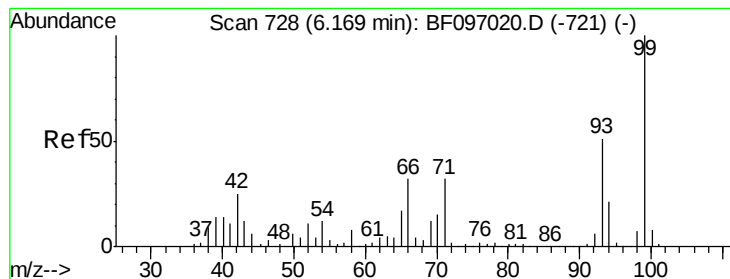


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 110.94 ng

RT: 6.17 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

Instrument :

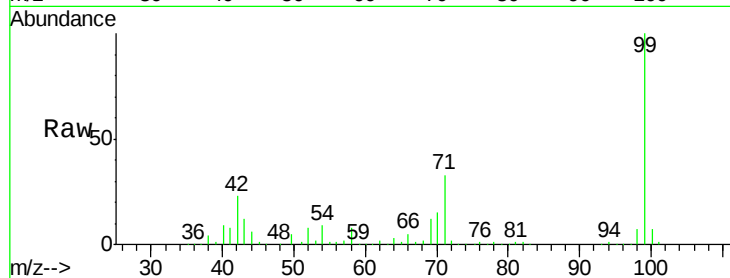
BNA_F

ClientSampleId :

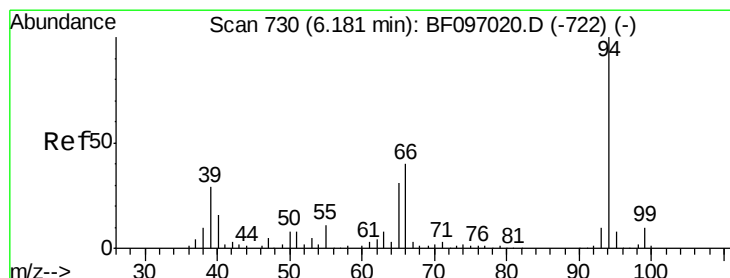
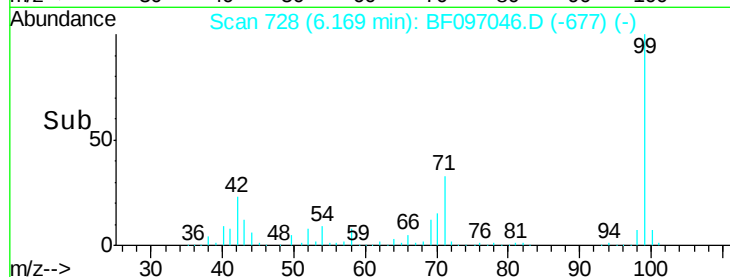
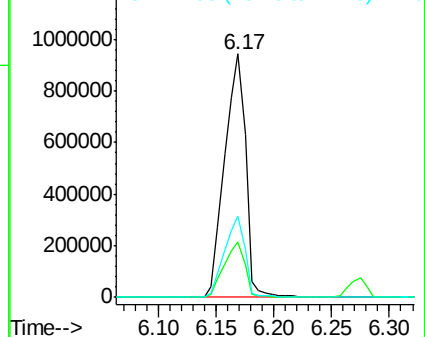
S-1

Tot Ion: 99 Resp: 1192619

Ion	Ratio	Lower	Upper
99	100		
42	23.0	13.5	20.3#
71	33.2	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



#10

Phenol

Concen: 3.84 ng

RT: 6.18 min Scan# 730

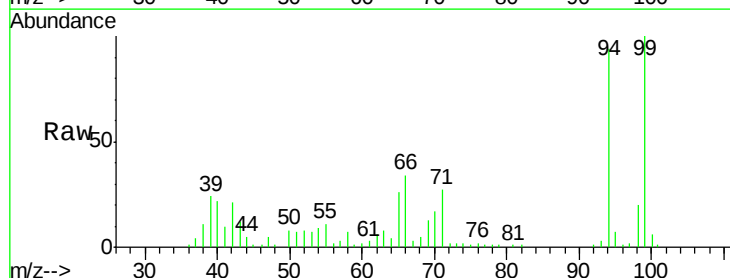
Delta R.T. -0.00 min

Lab File: BF097046.D

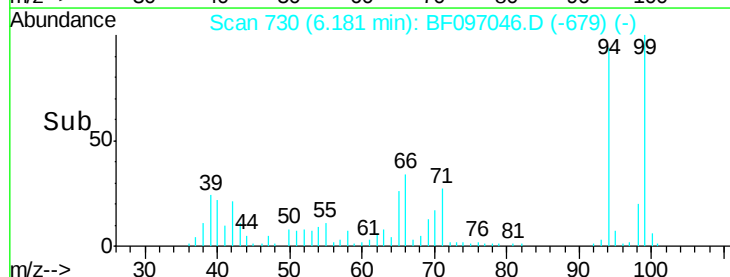
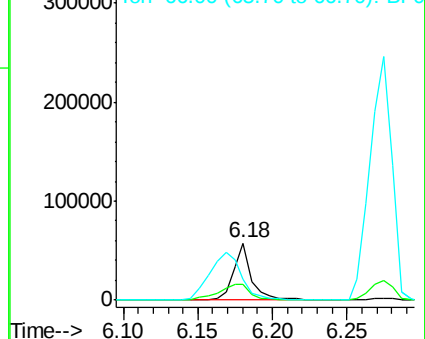
Acq: 25 Jul 2017 23:12

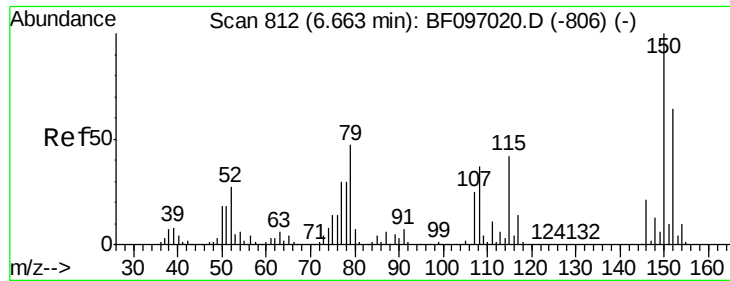
Tgt Ion: 94 Resp: 48974

Ion	Ratio	Lower	Upper
94	100		
65	27.9	9.9	49.9
66	36.8	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

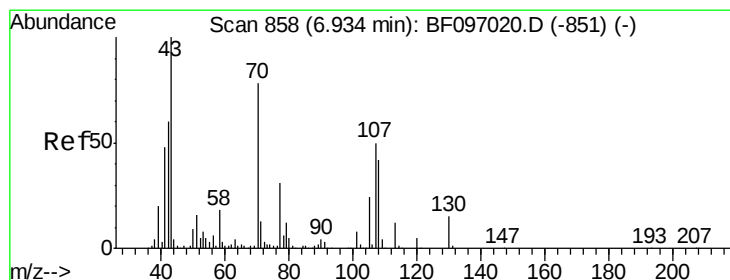
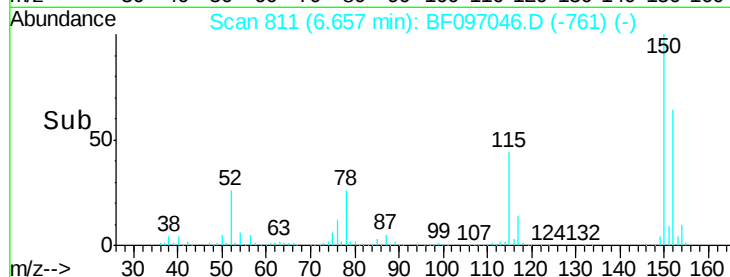
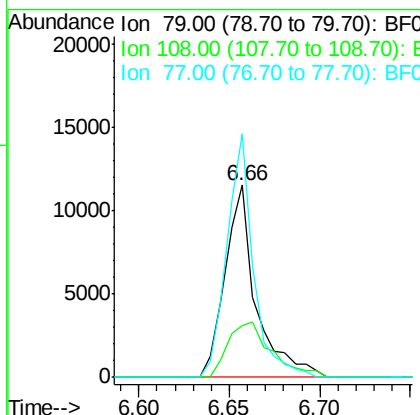
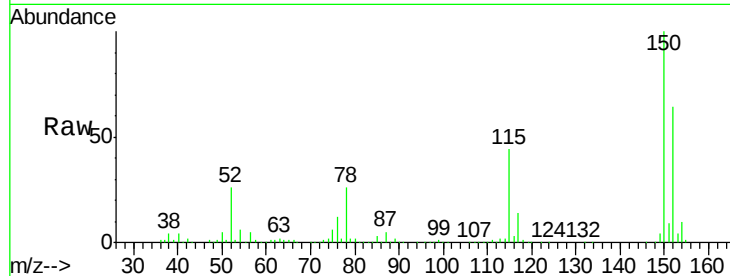




#15
Benzyl Alcohol
Concen: 2.02 ng
RT: 6.66 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF097046.D
Acq: 25 Jul 2017 23:12

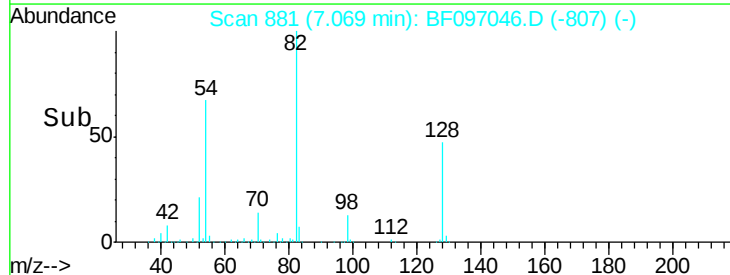
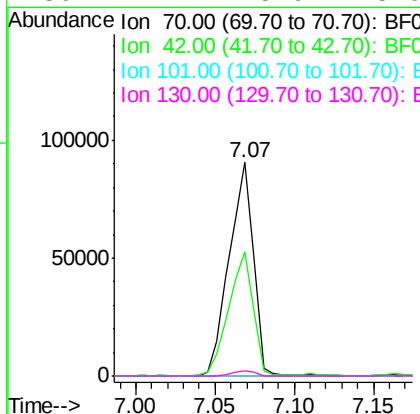
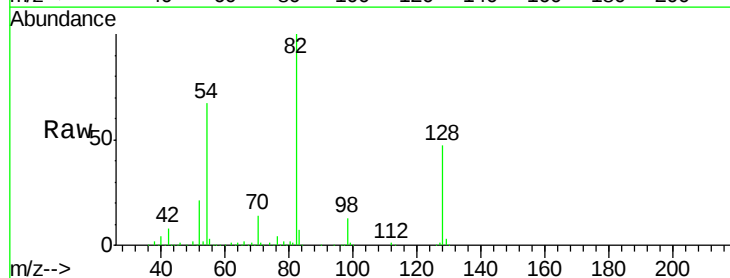
Instrument :
BNA_F
ClientSampled :
S-1

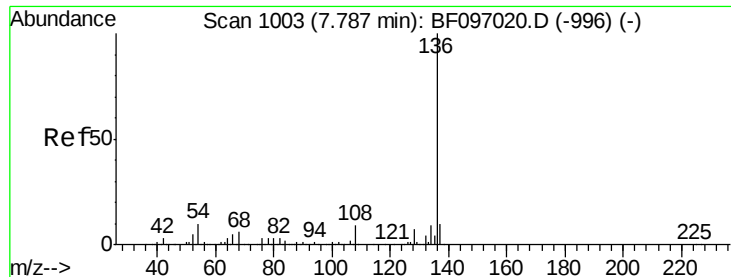
Tot Ion: 79 Resp: 13734
Ion Ratio Lower Upper
79 100
108 26.5 63.4 95.0#
77 126.6 49.2 73.8#



#19
n-Nitroso-di-n-propylamine
Concen: 13.69 ng
RT: 7.07 min Scan# 881
Delta R.T. 0.14 min
Lab File: BF097046.D
Acq: 25 Jul 2017 23:12

Tgt Ion: 70 Resp: 96841
Ion Ratio Lower Upper
70 100
42 57.9 47.2 70.8
101 0.0 7.2 10.8#
130 2.4 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.78 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

Instrument :

BNA_F

ClientSampleId :

S-1

Tot Ion:136 Resp: 564727

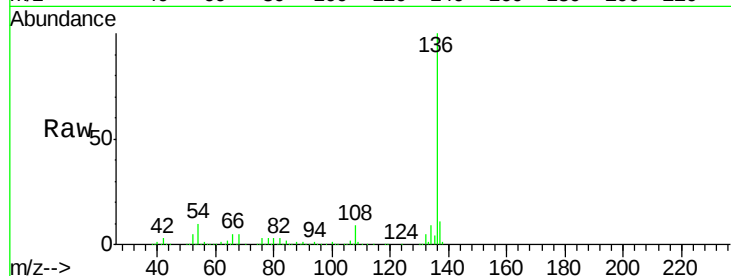
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 10.0 4.9 7.3#

68 5.4 4.1 6.1

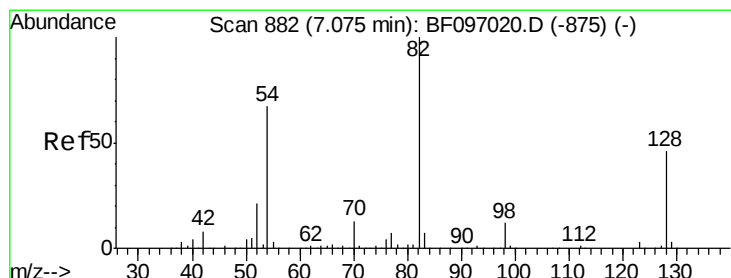
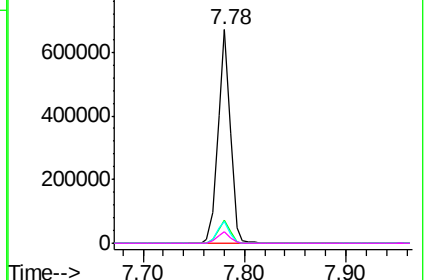
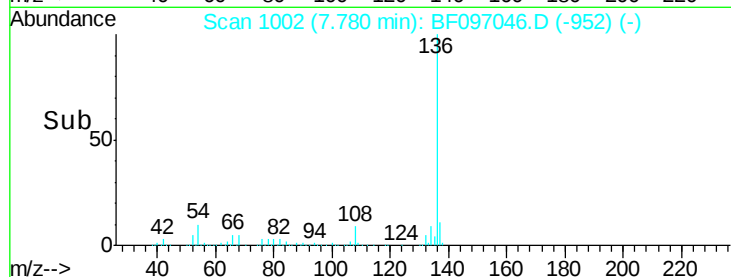


Abundance Ion 136.00 (135.70 to 136.70): E

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: 73.06 ng

RT: 7.07 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

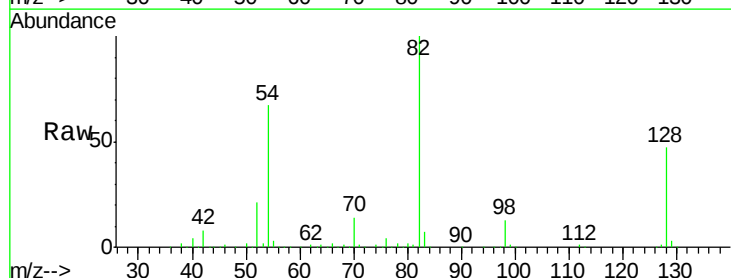
Tgt Ion: 82 Resp: 703341

Ion Ratio Lower Upper

82 100

128 46.9 34.0 51.0

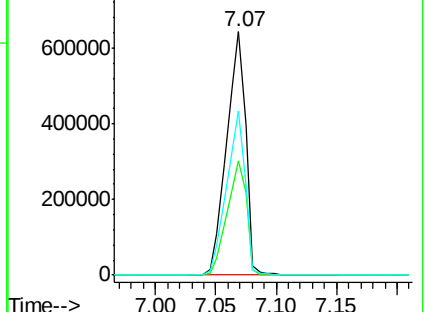
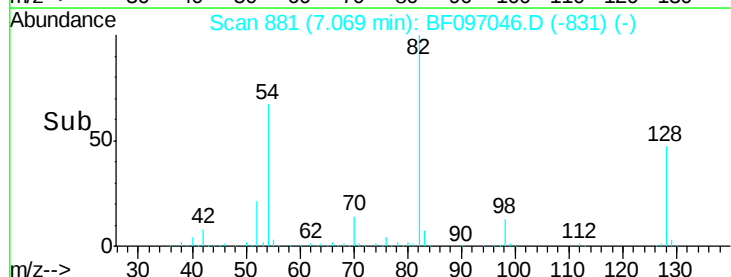
54 67.3 42.2 63.2#

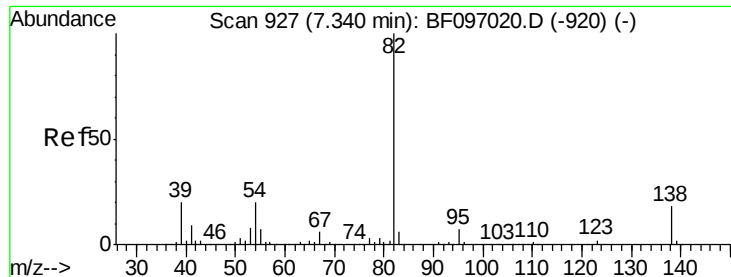


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 36.86 ng

RT: 7.07 min Scan# 881

Delta R.T. -0.27 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

Instrument :

BNA_F

ClientSampled :

S-1

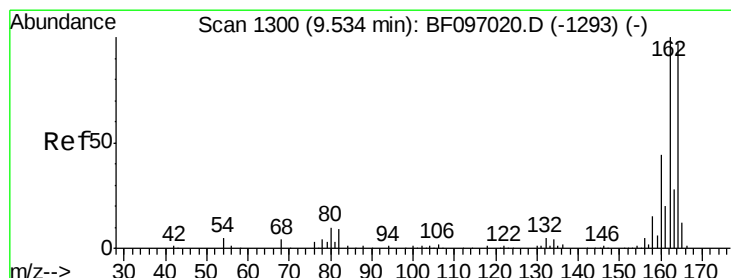
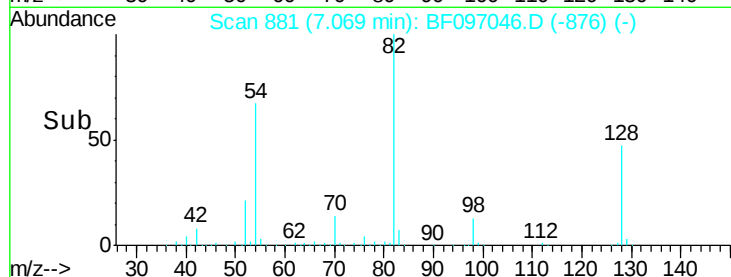
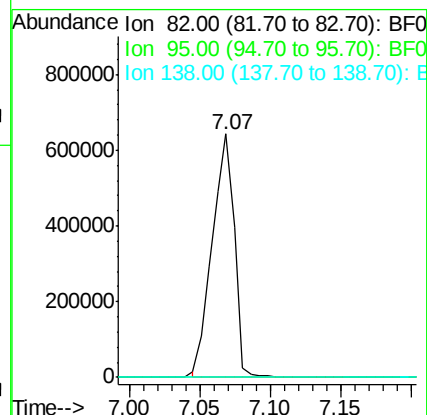
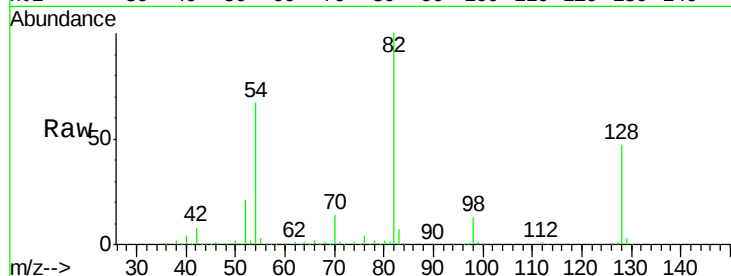
Tot Ion: 82 Resp: 694960

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.53 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

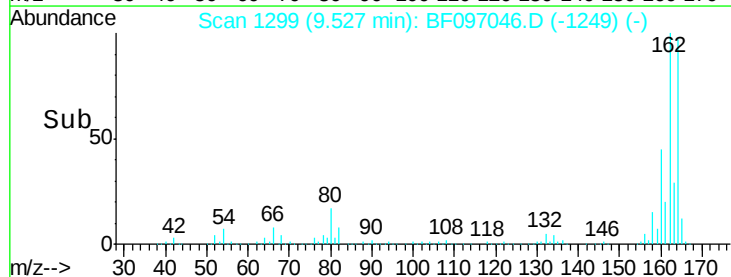
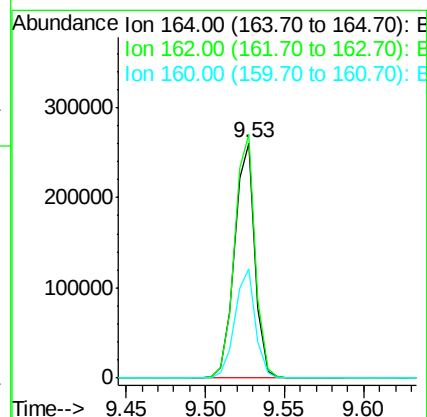
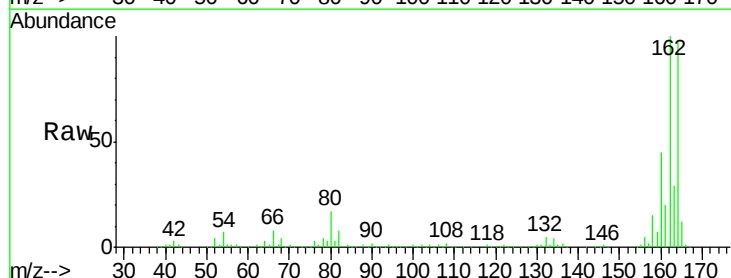
Tgt Ion:164 Resp: 232196

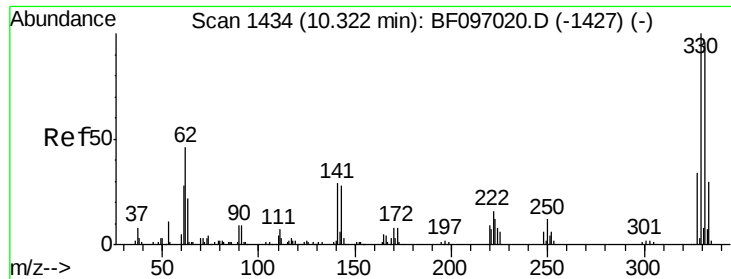
Ion Ratio Lower Upper

164 100

162 103.6 82.6 123.8

160 46.6 36.2 54.2

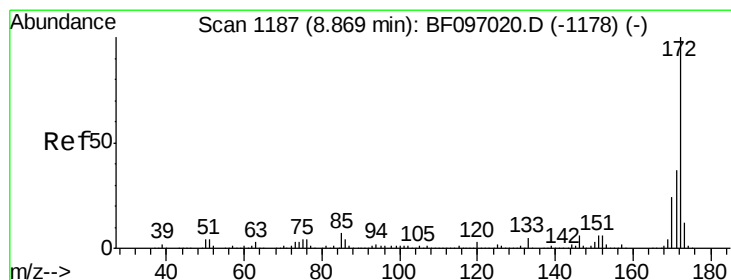
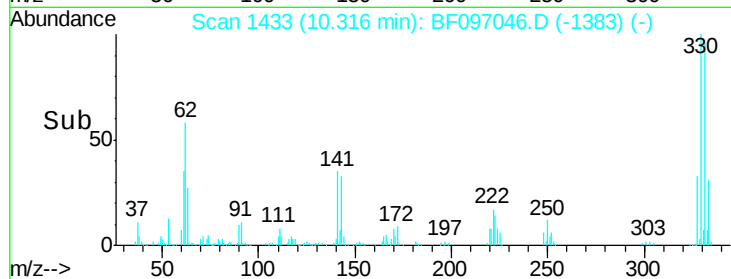
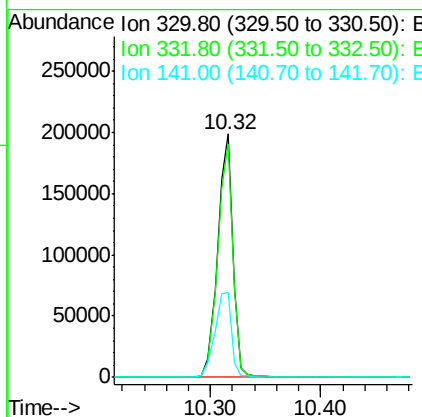
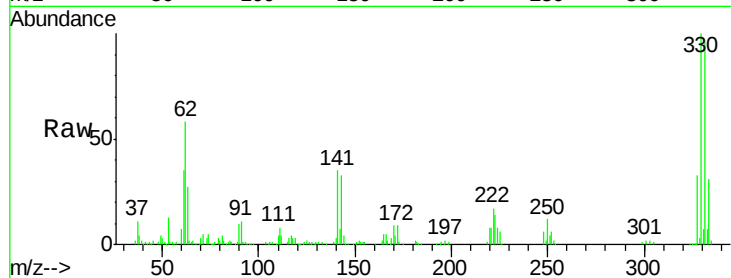




#41
 2,4,6-Tribromophenol
 Concen: 103.87 ng
 RT: 10.32 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF097046.D
 Acq: 25 Jul 2017 23:12

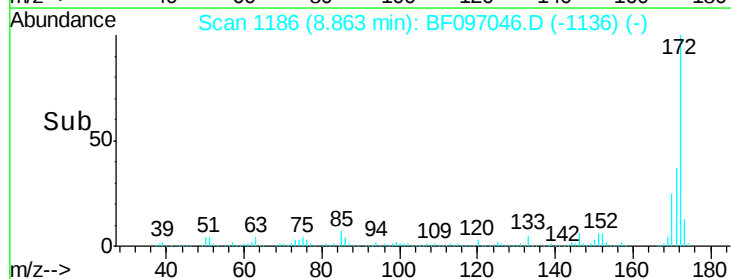
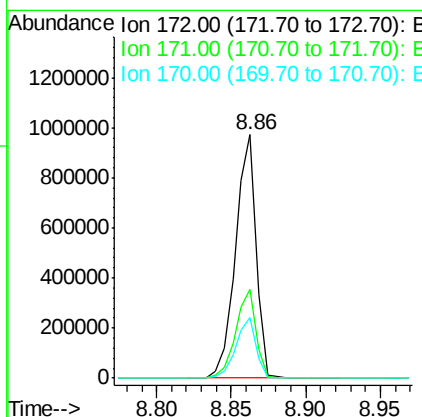
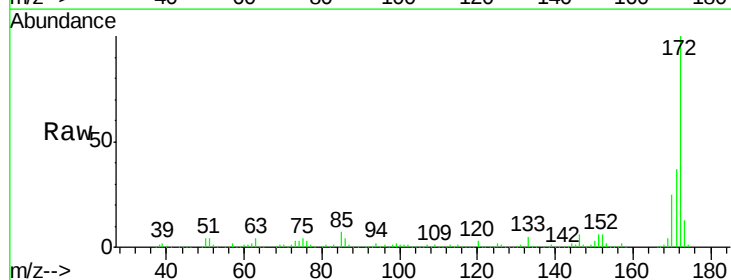
Instrument :
 BNA_F
 ClientSampled :
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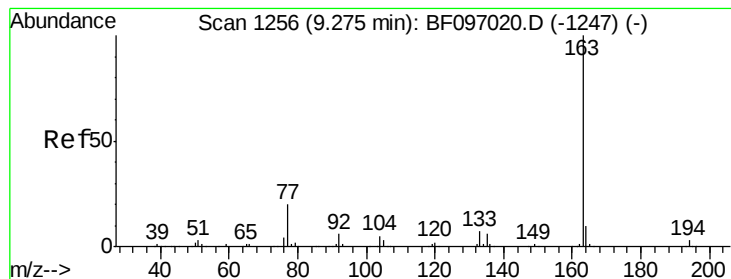
Tot Ion:330 Resp: 190563
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.6 115.0
 141 38.7 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 68.85 ng
 RT: 8.86 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF097046.D
 Acq: 25 Jul 2017 23:12

Tgt Ion:172 Resp: 941984
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.6 44.4
 170 24.9 19.8 29.8





#49

Dimethylphthalate

Concen: 5.94 ng

RT: 9.26 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

Instrument :

BNA_F

ClientSampleId :

S-1

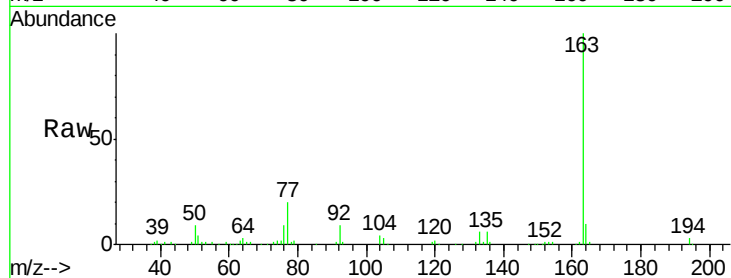
Tot Ion:163 Resp: 104805

Ion Ratio Lower Upper

163 100

194 3.0 2.6 4.0

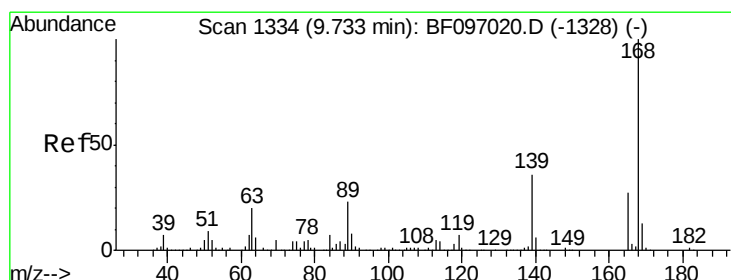
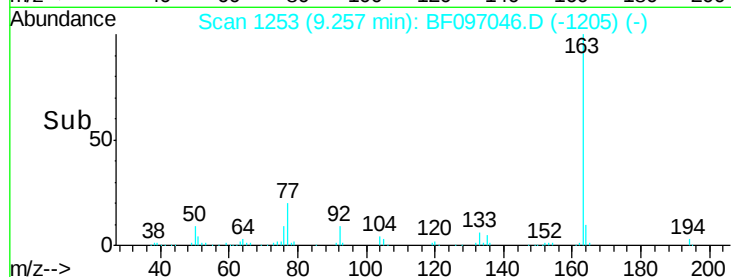
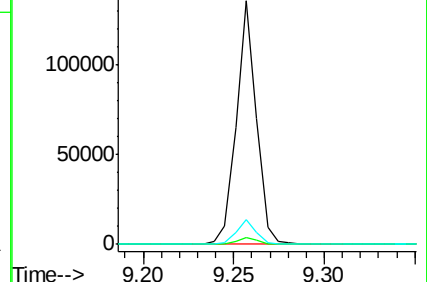
164 10.0 8.4 12.6



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



#56

2,4-Dinitrotoluene

Concen: 6.74 ng

RT: 9.53 min Scan# 1299

Delta R.T. -0.21 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

Tgt Ion:165 Resp: 28997

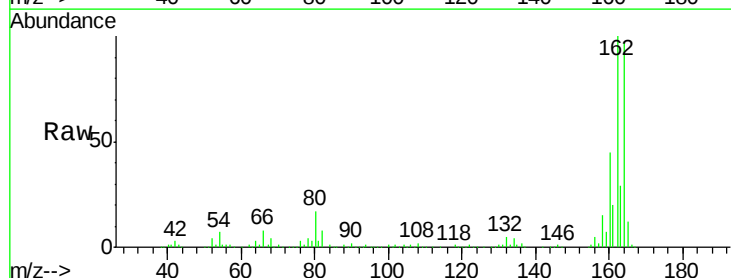
Ion Ratio Lower Upper

165 100

63 2.0 25.4 38.0#

89 1.9 46.4 69.6#

182 0.0 1.8 2.6#

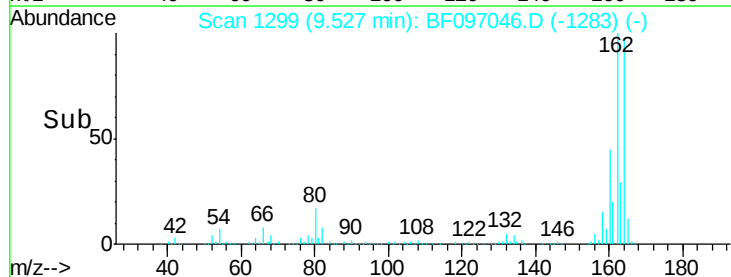
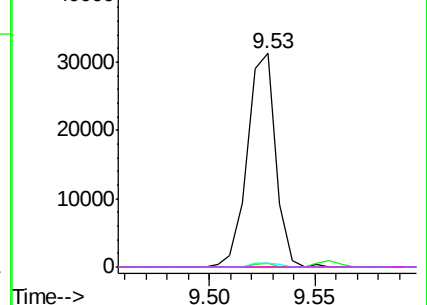


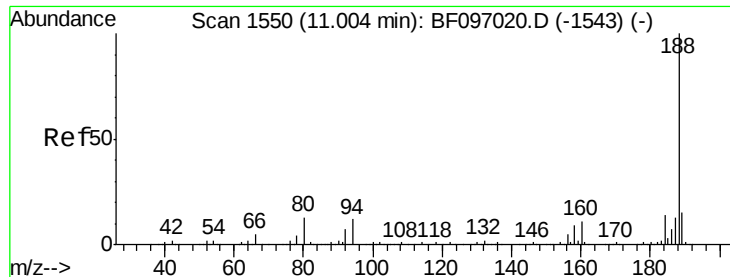
Abundance Ion 165.00 (164.70 to 165.70): E

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

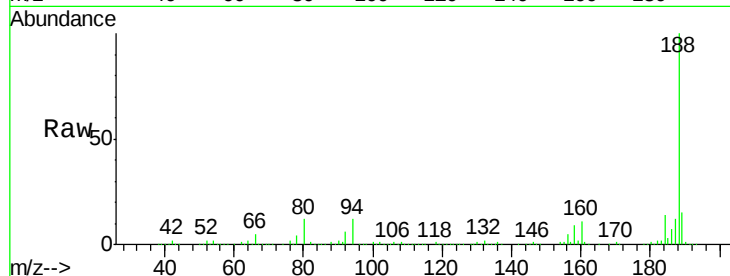




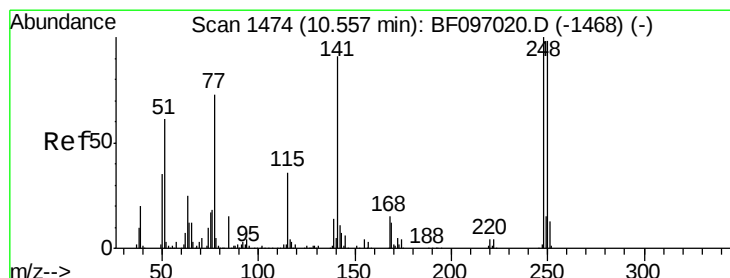
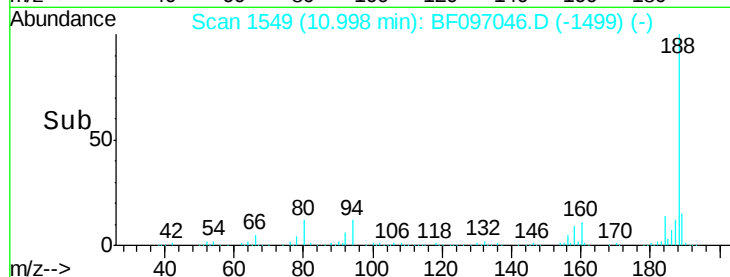
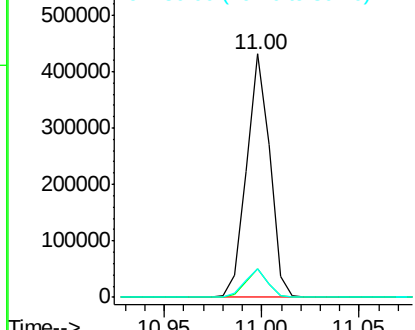
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.00 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF097046.D
Acq: 25 Jul 2017 23:12

Instrument :
BNA_F
ClientSampled :
S-1

Tot Ion:188 Resp: 357077
Ion Ratio Lower Upper
188 100
94 11.6 9.4 14.2
80 11.5 10.2 15.2

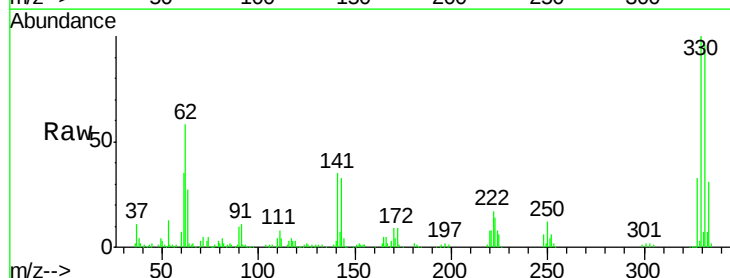


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

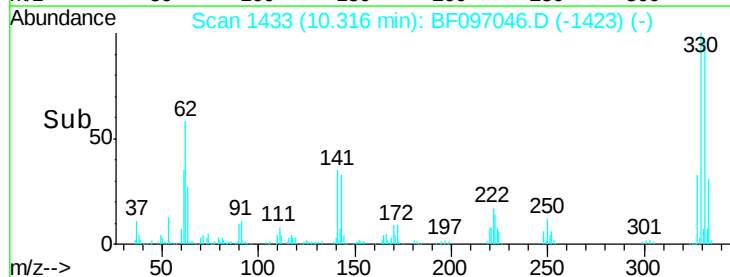
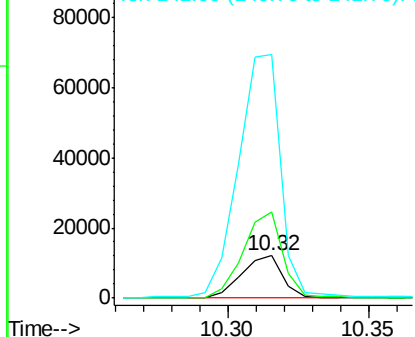


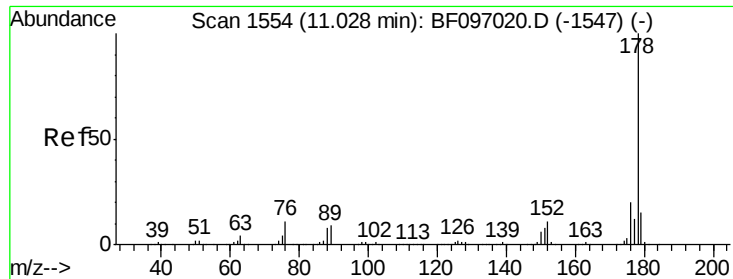
#66
4-Bromophenyl-phenylether
Concen: 3.39 ng
RT: 10.32 min Scan# 1433
Delta R.T. -0.24 min
Lab File: BF097046.D
Acq: 25 Jul 2017 23:12

Tgt Ion:248 Resp: 12066
Ion Ratio Lower Upper
248 100
250 202.0 76.8 115.2#
141 573.5 68.6 103.0#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 10.76 ng

RT: 11.02 min Scan# 1553

Delta R.T. -0.01 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

Instrument :

BNA_F

ClientSampleId :

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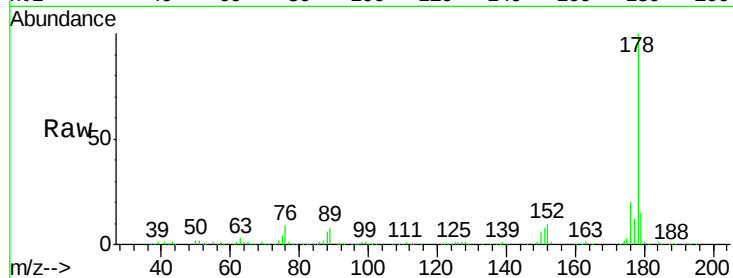
Tot Ion:178 Resp: 205898

Ion Ratio Lower Upper

178 100

176 19.9 16.2 24.4

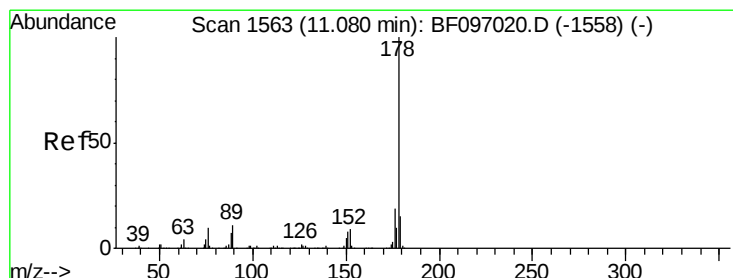
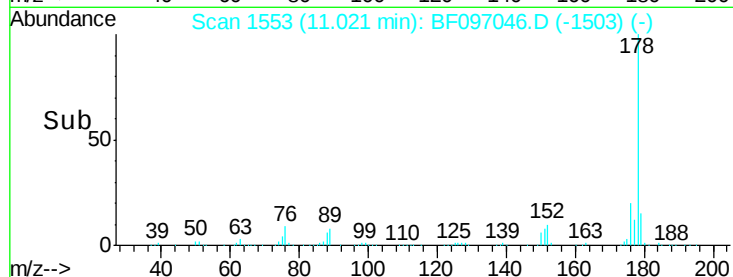
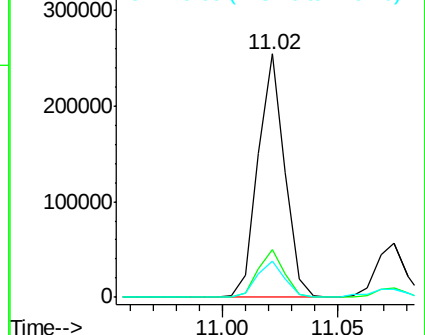
179 14.7 12.6 19.0



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: 2.47 ng

RT: 11.07 min Scan# 1562

Delta R.T. -0.01 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

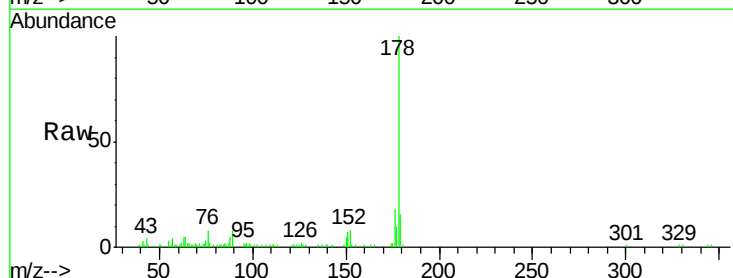
Tgt Ion:178 Resp: 48409

Ion Ratio Lower Upper

178 100

176 17.7 15.8 23.8

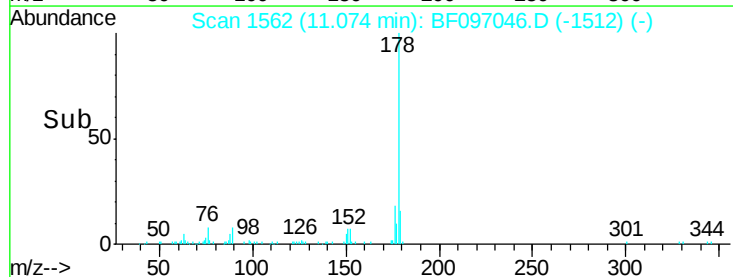
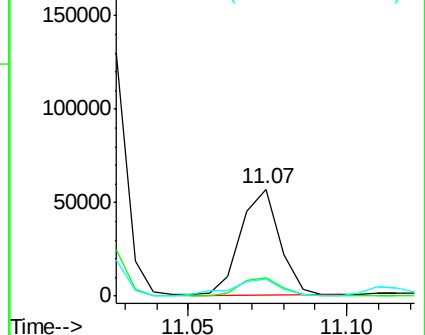
179 15.6 12.7 19.1

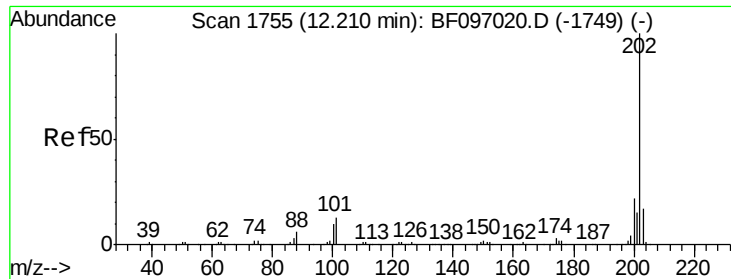


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 13.59 ng

RT: 12.20 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

Instrument :

BNA_F

ClientSampleId :

S-1

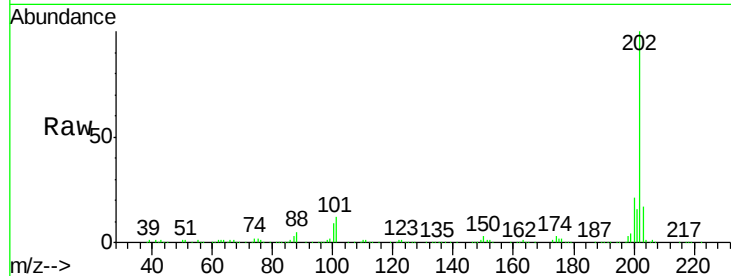
Tot Ion:202 Resp: 254739

Ion Ratio Lower Upper

202 100

101 12.4 0.0 33.2

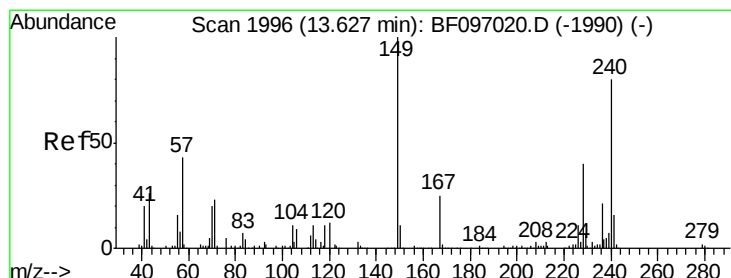
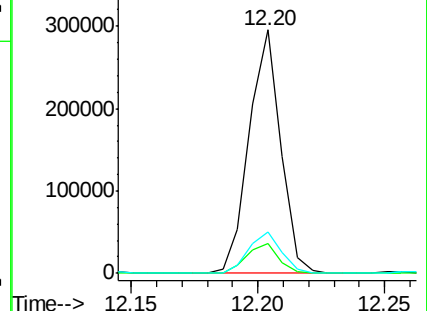
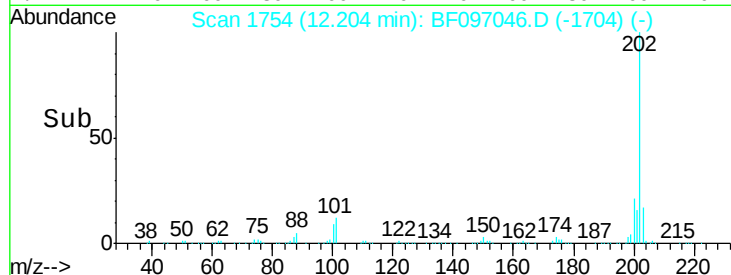
203 17.0 0.0 38.1



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: 13.62 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

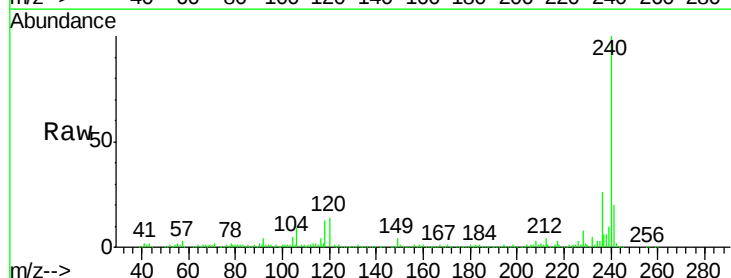
Tgt Ion:240 Resp: 224790

Ion Ratio Lower Upper

240 100

120 13.6 5.8 8.8#

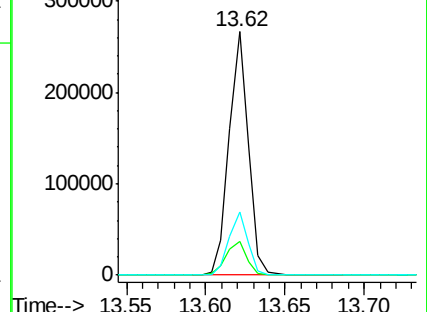
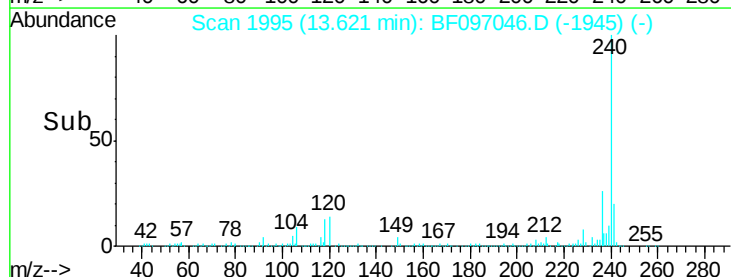
236 26.2 20.5 30.7

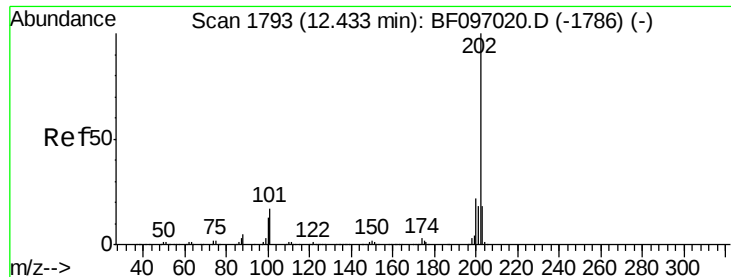


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 11.46 ng

RT: 12.43 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

Instrument :

BNA_F

ClientSampleId :

S-1

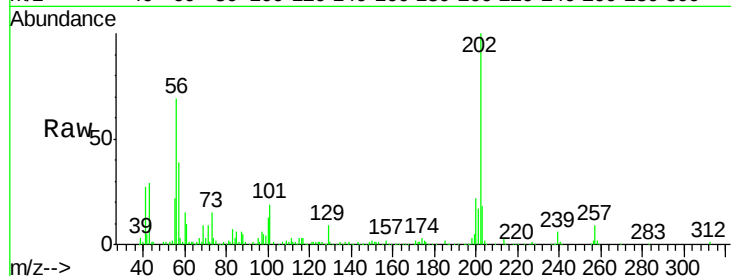
Tot Ion:202 Resp: 210898

Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

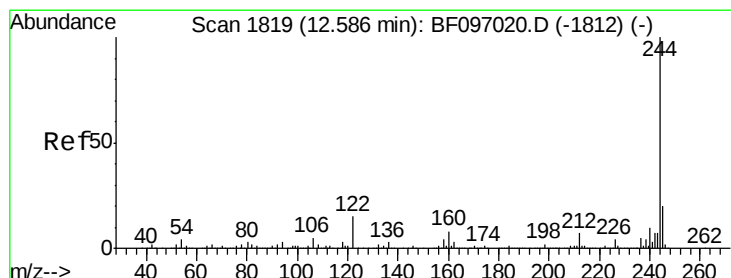
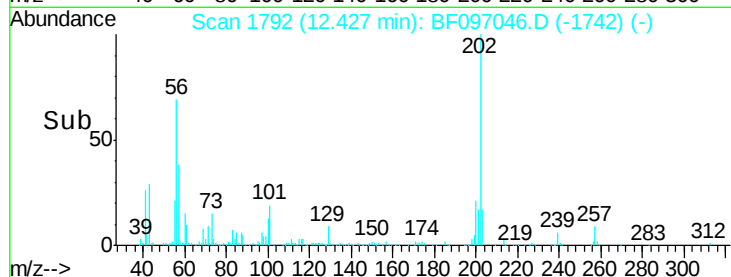
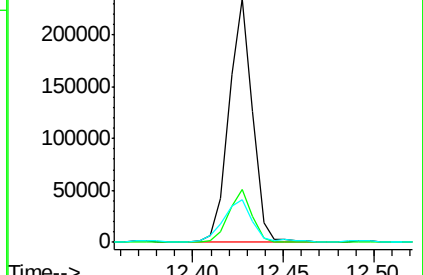
203 17.7 14.4 21.6



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: 47.75 ng

RT: 12.59 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

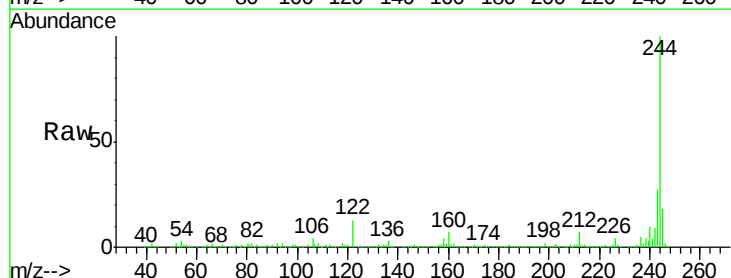
Tgt Ion:244 Resp: 526489

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

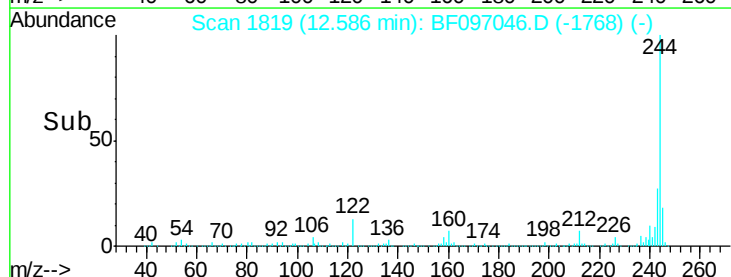
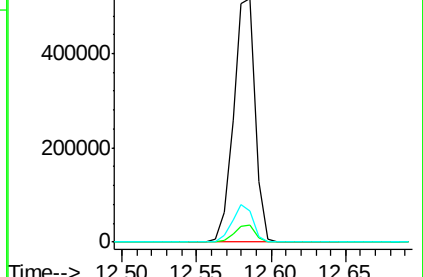
122 12.9 10.3 15.5

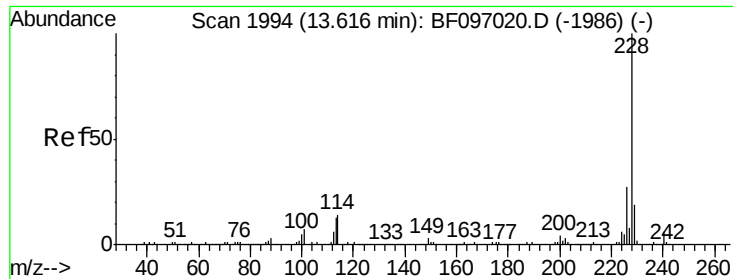


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.52 ng

RT: 13.61 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

Instrument :

BNA_F

ClientSampleId :

S-1

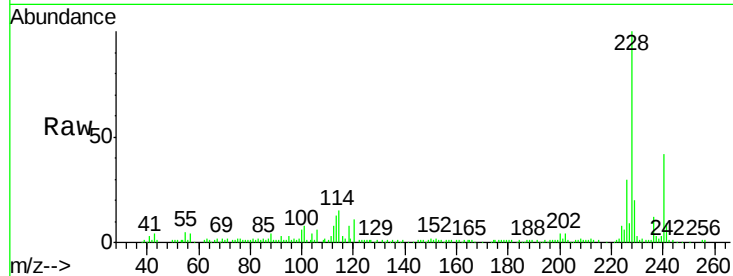
Tot Ion:228 Resp: 94884

Ion Ratio Lower Upper

228 100

226 30.1 22.6 33.8

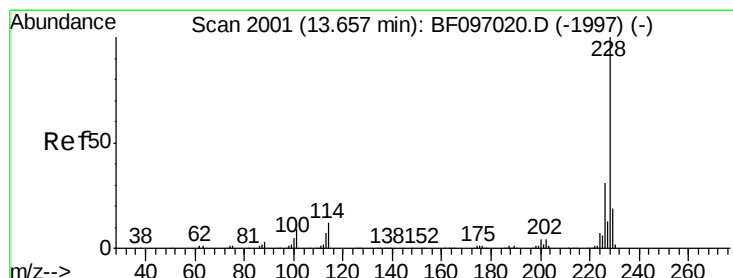
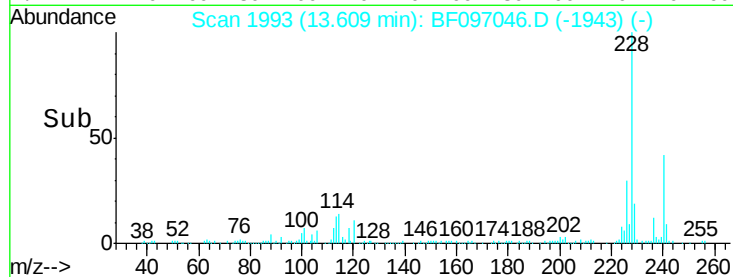
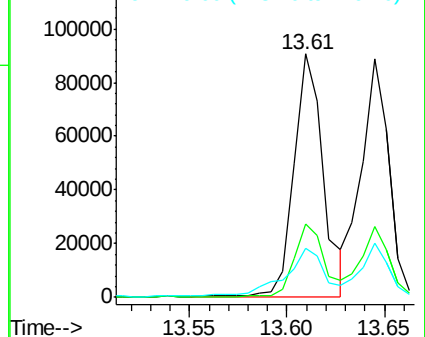
229 20.4 16.3 24.5



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: 6.18 ng

RT: 13.64 min Scan# 1999

Delta R.T. -0.01 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

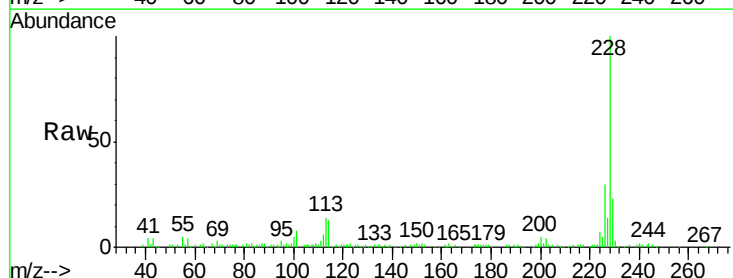
Tgt Ion:228 Resp: 87795

Ion Ratio Lower Upper

228 100

226 29.7 24.9 37.3

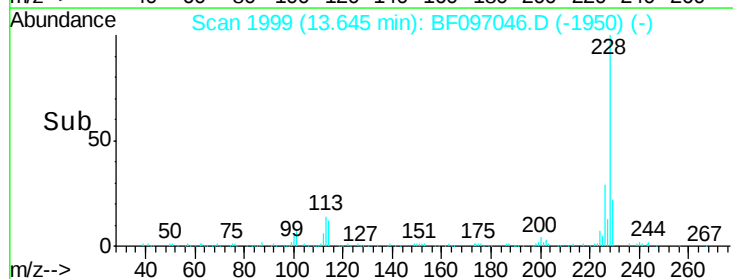
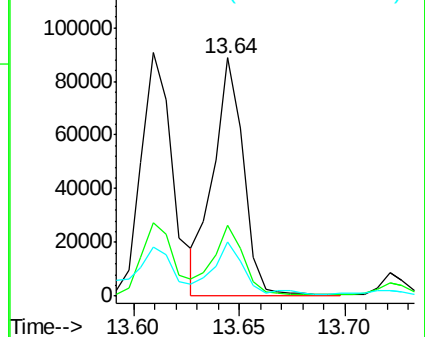
229 22.8 15.8 23.6

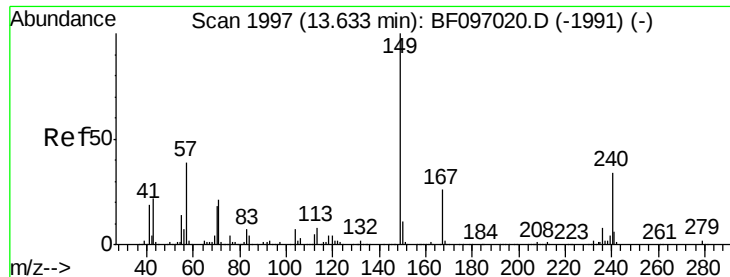


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.07 ng

RT: 13.63 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

Instrument :

BNA_F

ClientSampleId :

S-1

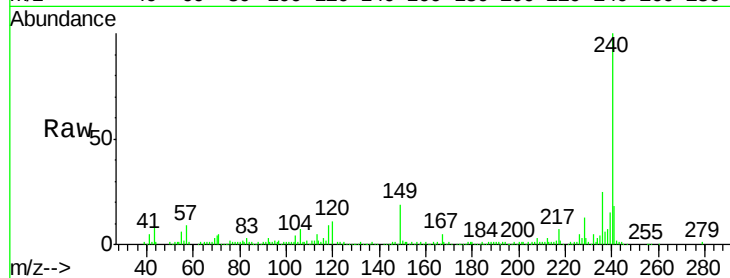
Tot Ion:149 Resp: 25302

Ion Ratio Lower Upper

149 100

167 27.2 21.0 31.4

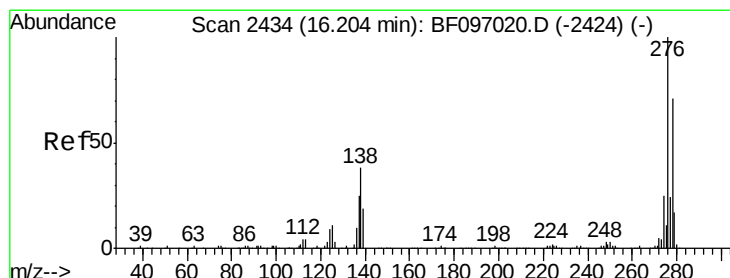
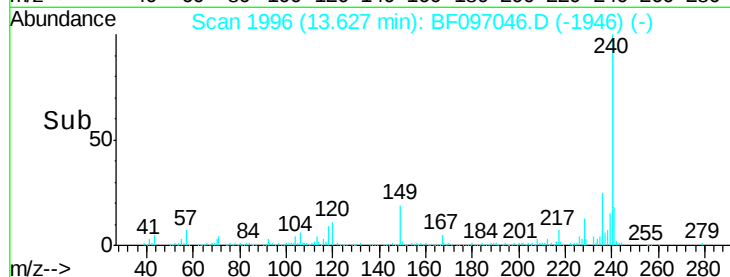
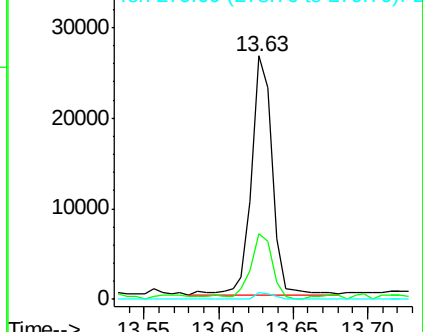
279 2.8 1.9 2.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.40 ng

RT: 16.20 min Scan# 2433

Delta R.T. -0.01 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

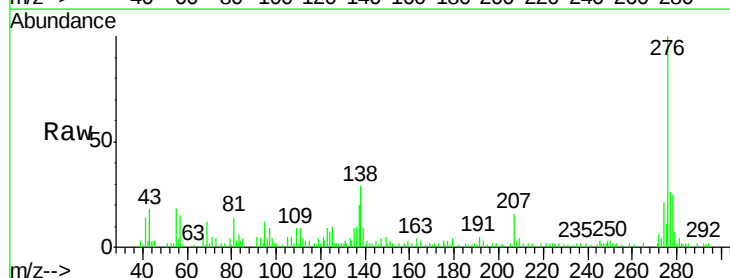
Tgt Ion:276 Resp: 41392

Ion Ratio Lower Upper

276 100

138 28.5 27.8 41.6

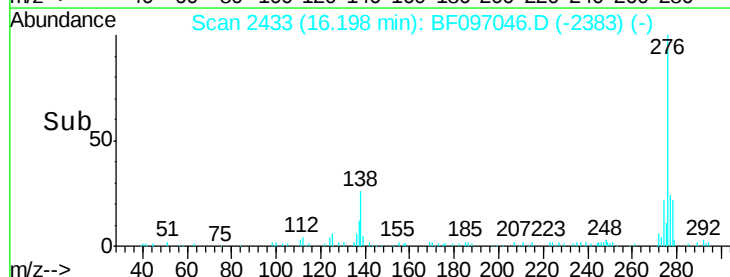
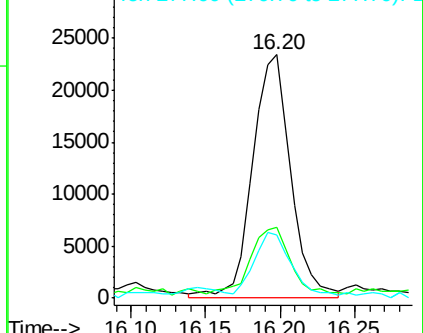
277 24.3 20.2 30.4

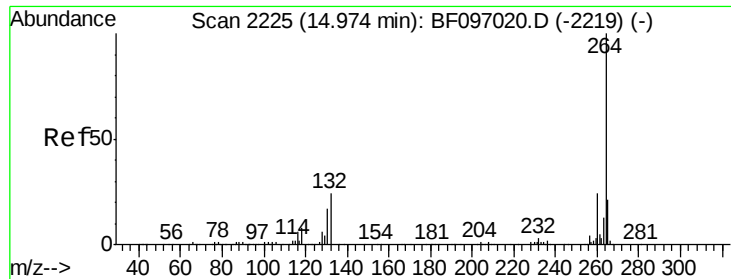


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

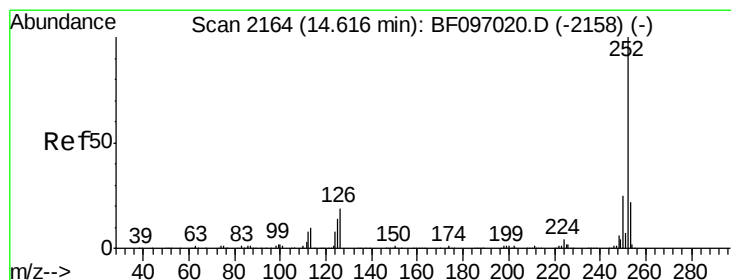
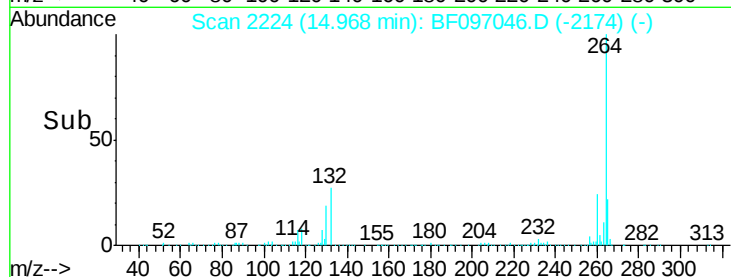
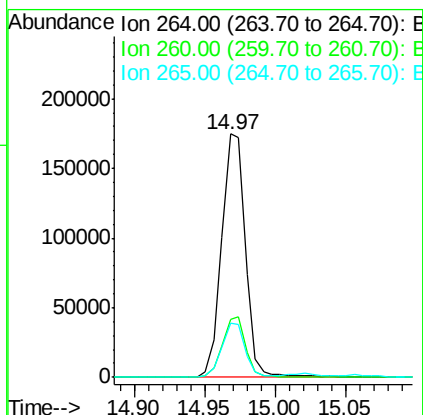
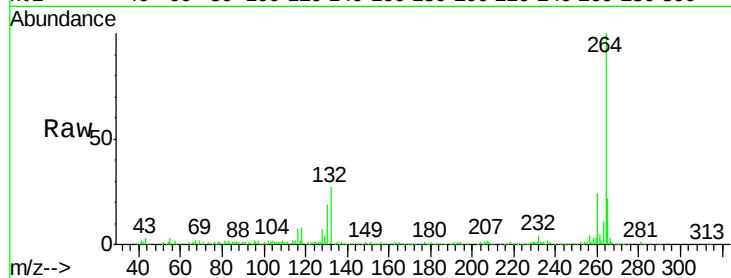




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.97 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF097046.D
Acq: 25 Jul 2017 23:12

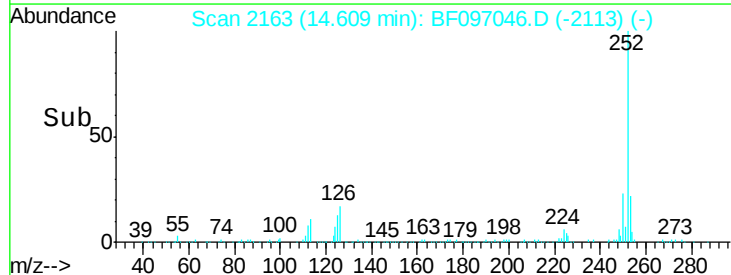
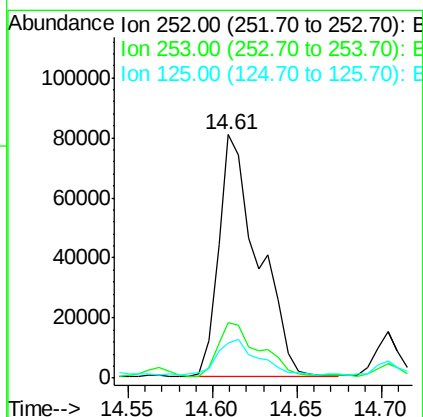
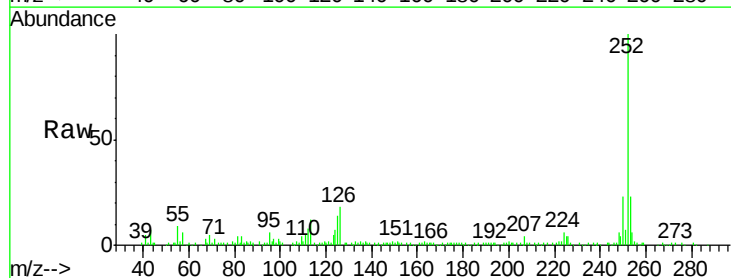
Instrument :
BNA_F
ClientSampleId :
S-1

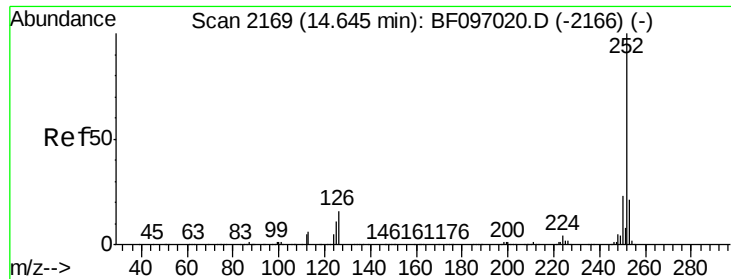
Tot Ion:264 Resp: 204845
Ion Ratio Lower Upper
264 100
260 23.9 19.5 29.3
265 22.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 10.67 ng
RT: 14.61 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF097046.D
Acq: 25 Jul 2017 23:12

Tgt Ion:252 Resp: 131412
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 14.4 9.8 14.8

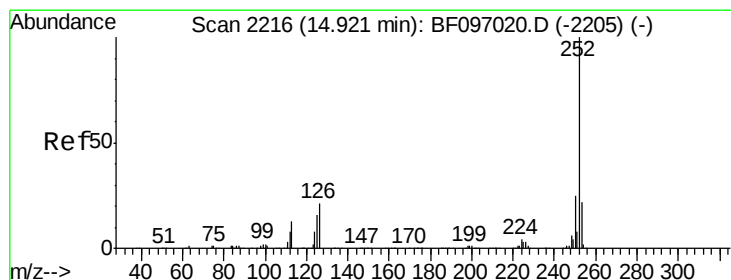
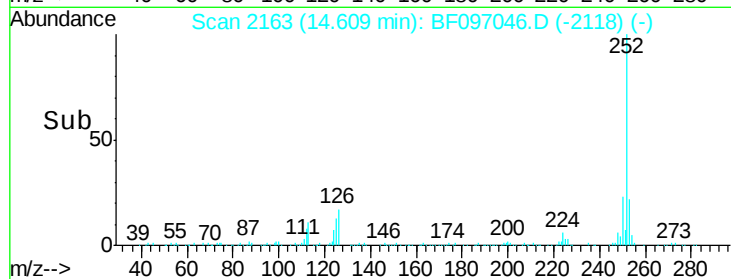
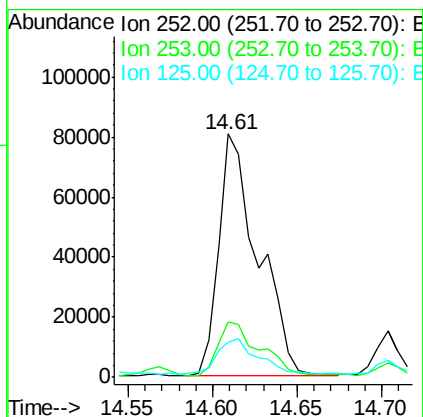
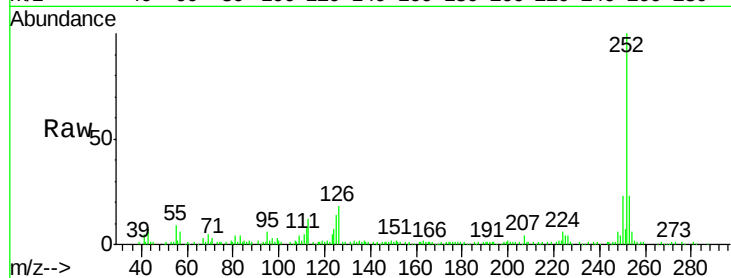




#88
Benzo(k)fluoranthene
Concen: 11.20 ng
RT: 14.61 min Scan# 2163
Delta R.T. -0.04 min
Lab File: BF097046.D
Acq: 25 Jul 2017 23:12

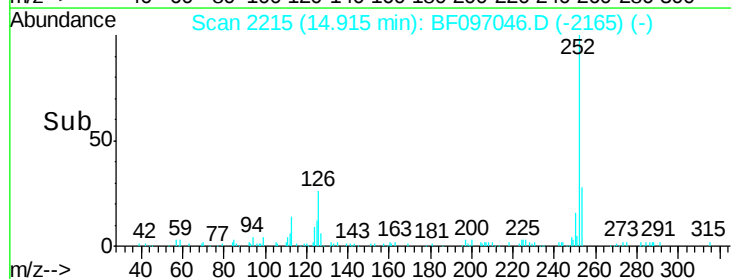
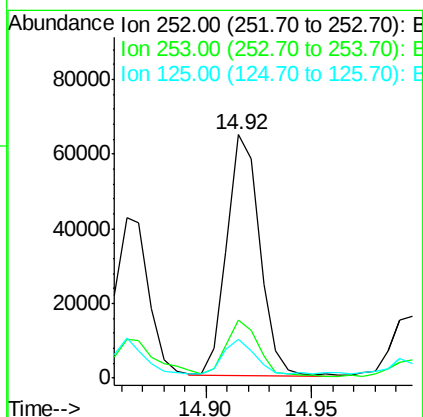
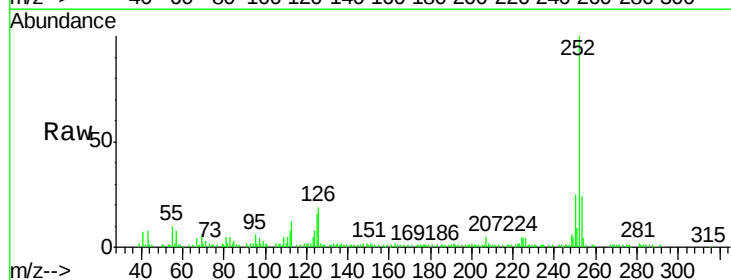
Instrument :
BNA_F
ClientSampleId :
S-1

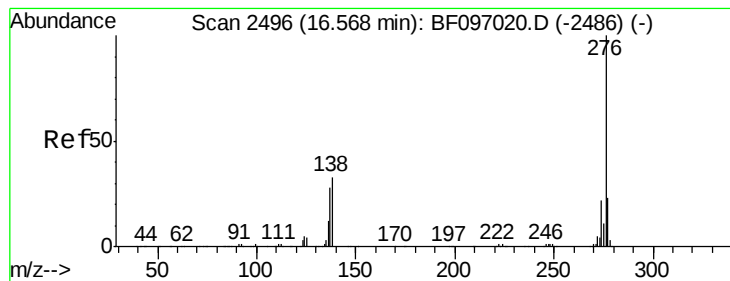
Tot Ion:252 Resp: 131412
Ion Ratio Lower Upper
252 100
253 22.9 18.4 27.6
125 14.4 13.1 19.7



#89
Benzo(a)pyrene
Concen: 6.19 ng
RT: 14.92 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF097046.D
Acq: 25 Jul 2017 23:12

Tgt Ion:252 Resp: 69797
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 15.7 11.0 16.4





#91

Benzo(a,h,i)perylene

Concen: 3.89 ng

RT: 16.56 min Scan# 2494

Delta R.T. -0.01 min

Lab File: BF097046.D

Acq: 25 Jul 2017 23:12

Instrument :

BNA_F

ClientSampleId :

S-1

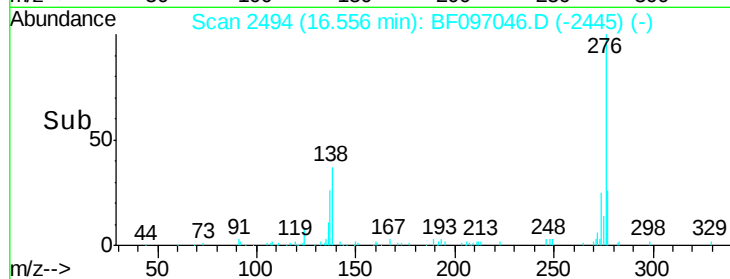
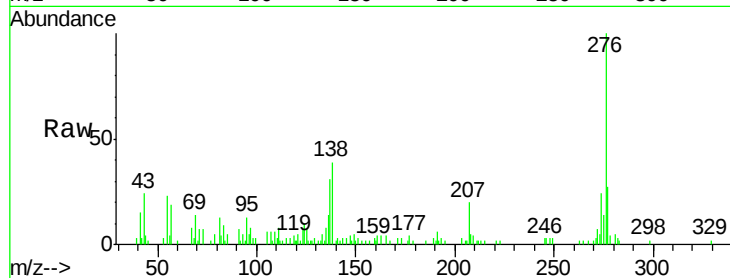
Tot Ion: 276 Resp: 37735

Ion Ratio Lower Upper

276 100

277 26.7 18.6 28.0

138 38.9 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

