

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062217\
 Data File : BF096125.D
 Acq On : 22 Jun 2017 16:49
 Operator : SJ/MA
 Sample : I3736-10RE 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 17:19:38 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.27	152	75900	20.00	ng	-0.02
21) Naphthalene-d8	9.31	136	294216	20.00	ng	-0.02
38) Acenaphthene-d10	12.14	164	111046	20.00	ng	0.00
63) Phenanthrene-d10	14.54	188	160605	20.00	ng	0.00
75) Chrysene-d12	18.27	240	134843	20.00	ng	0.00
86) Perylene-d12	19.96	264	110778	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	271667	57.03	ng	-0.01
7) Phenol-d6	6.86	99	299219	52.47	ng	-0.01
23) Nitrobenzene-d5	8.20	82	170196	35.93	ng	-0.02
41) 2,4,6-Tribromophenol	13.45	330	45686	46.50	ng	0.00
44) 2-Fluorobiphenyl	11.10	172	301047	37.73	ng	-0.01
78) Terphenyl-d14	16.92	244	185022	34.05	ng	0.00

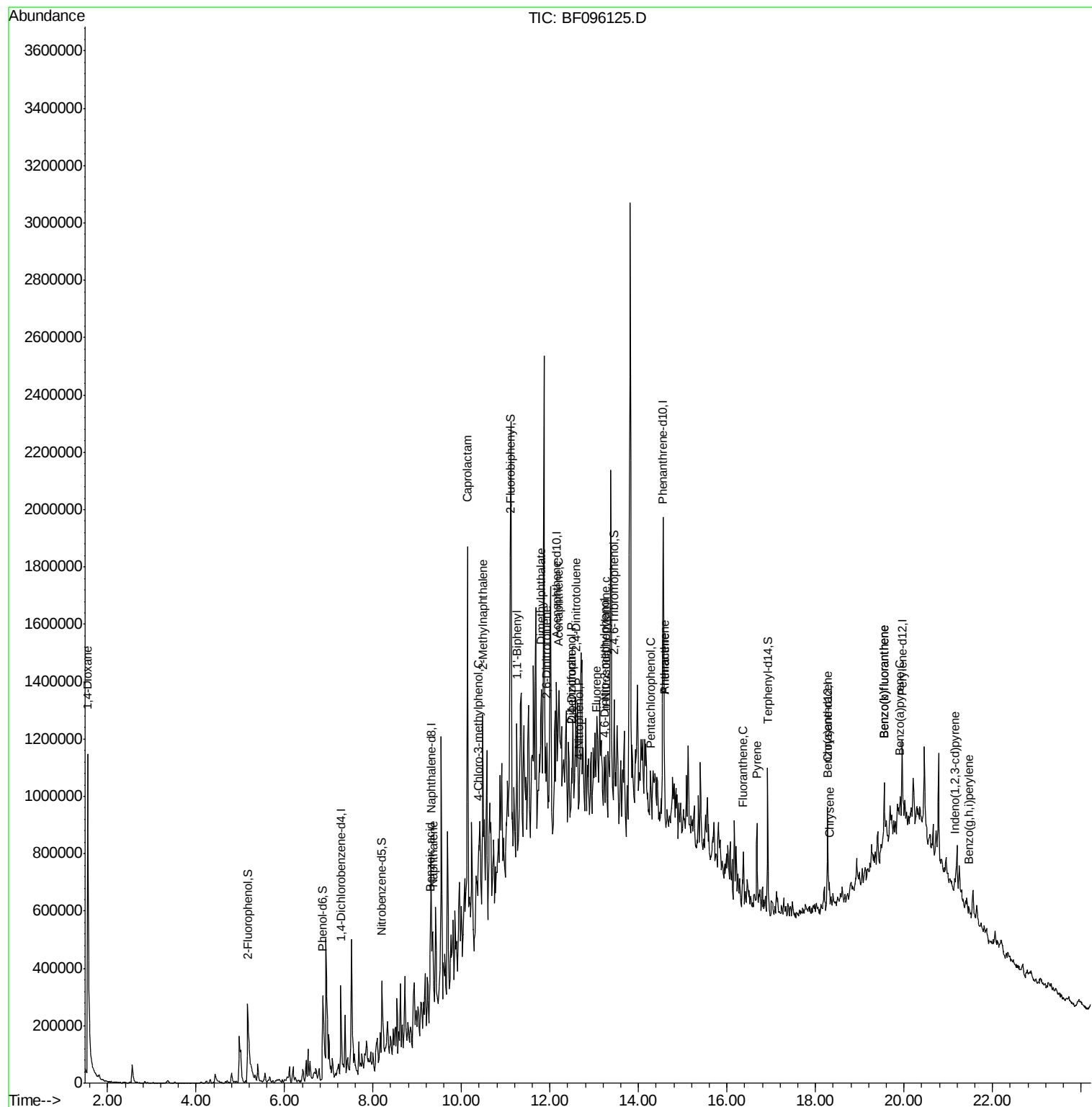
Target Compounds						Qvalue
2) 1,4-Dioxane	1.55	88	54089	23.87	ng	# 21
31) Naphthalene	9.35	128	138964	9.41	ng	97
32) Benzoic acid	9.29	122	1068	5.49	ng	# 1
35) Caprolactam	10.14	113	50199	42.59	ng	# 62
36) 4-Chloro-3-methylphenol	10.39	107	9284	2.24	ng	# 31
37) 2-Methylnaphthalene	10.48	142	214816	21.53	ng	98
45) 1,1'-Biphenyl	11.26	154	25248	2.76	ng	87
49) Dimethylphthalate	11.80	163	36638	4.35	ng	# 87
50) 2,6-Dinitrotoluene	11.93	165	4019	2.19	ng	# 73
51) Acenaphthene	12.20	154	20387	2.89	ng	# 89
53) 2,4-Dinitrophenol	12.49	184	496	6.91	ng	# 1
54) Dibenzofuran	12.49	168	36770	3.70	ng	# 76
55) 4-Nitrophenol	12.64	139	917	5.32	ng	# 1
56) 2,4-Dinitrotoluene	12.59	165	15225	6.13	ng	# 64
57) Fluorene	13.04	166	41331	4.78	ng	# 77
64) 4,6-Dinitro-2-methylphenol	13.24	198	2354	2.23	ng	# 1
65) n-Nitrosodiphenylamine	13.27	169	71386	12.37	ng	# 47
69) Pentachlorophenol	14.29	266	124	6.78	ng	# 36
70) Phenanthrene	14.59	178	134210	14.48	ng	# 96
71) Anthracene	14.59	178	134210	13.87	ng	97
74) Fluoranthene	16.37	202	106473	11.61	ng	98
77) Pyrene	16.67	202	120281	11.95	ng	# 96
80) Benzo(a)anthracene	18.26	228	39461	5.03	ng	# 89
82) Chrysene	18.31	228	50191	6.41	ng	# 93
85) Indeno(1,2,3-cd)pyrene	21.14	276	22609	3.37	ng	95
87) Benzo(b)fluoranthene	19.55	252	85349	12.30	ng	# 83
88) Benzo(k)fluoranthene	19.55	252	85349	12.87	ng	# 86
89) Benzo(a)pyrene	19.91	252	30934	4.85	ng	# 59
91) Benzo(g,h,i)perylene	21.47	276	21166	3.84	ng	# 79

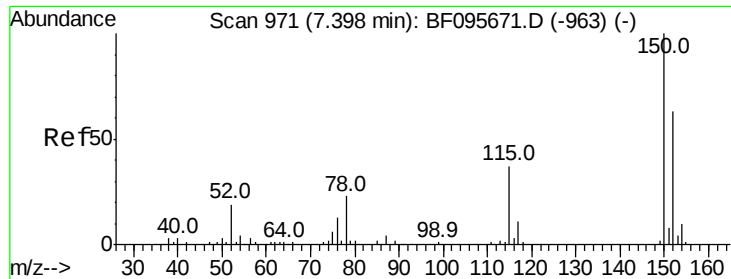
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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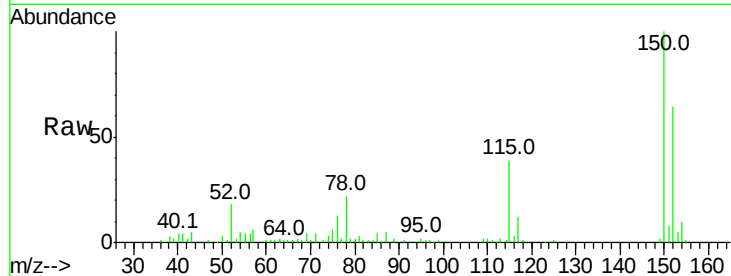


#1

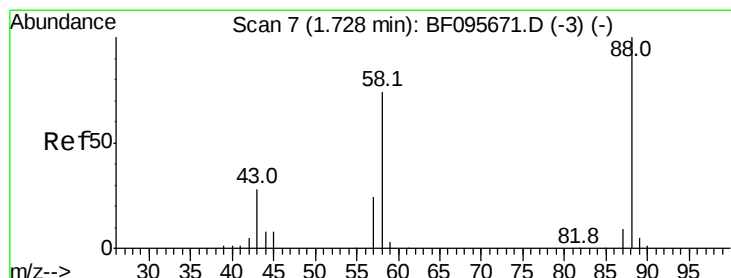
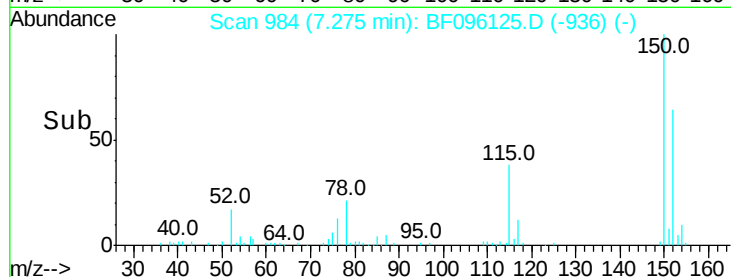
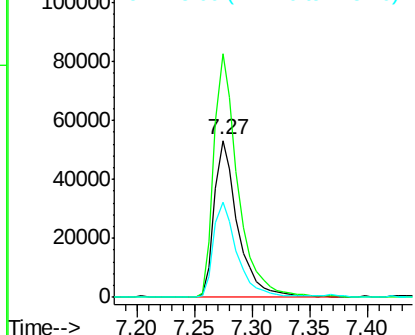
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.27 min Scan# 984
Delta R.T. -0.02 min
Lab File: BF096125.D
Acq: 22 Jun 2017 16:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 75900
Ion Ratio Lower Upper
152 100
150 155.1 126.2 189.2
115 60.7 52.2 78.2



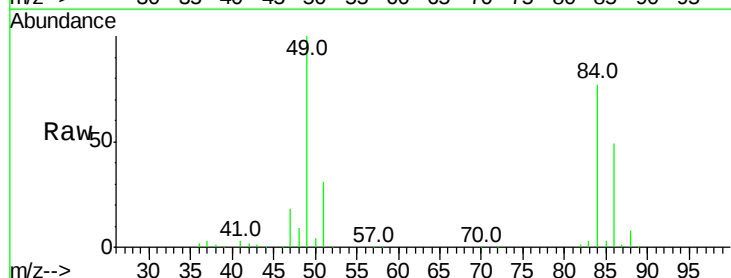
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



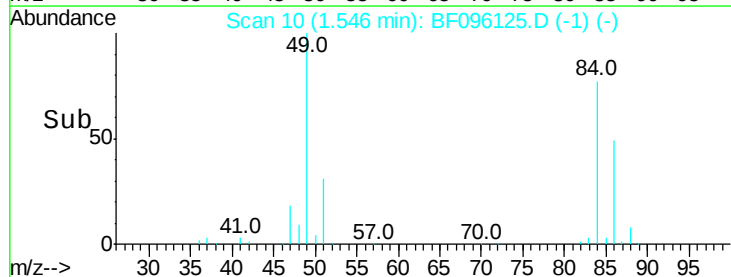
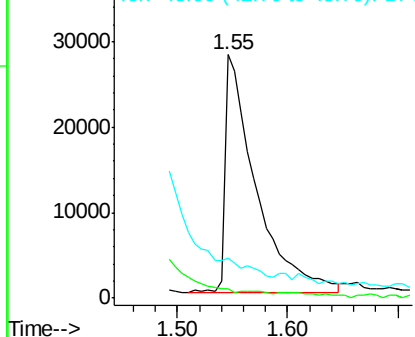
#2

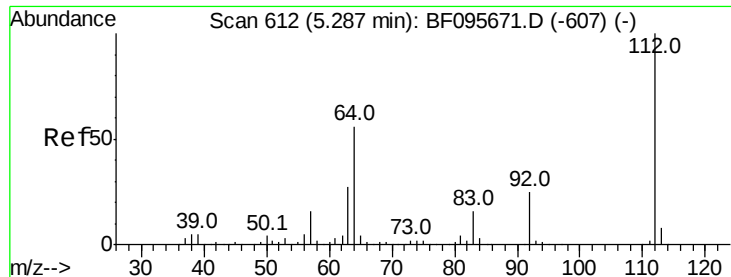
1,4-Dioxane
Concen: 23.87 ng
RT: 1.55 min Scan# 10
Delta R.T. -0.06 min
Lab File: BF096125.D
Acq: 22 Jun 2017 16:49

Tgt Ion: 88 Resp: 54089
Ion Ratio Lower Upper
88 100
58 0.0 61.4 92.0#
43 0.0 23.4 35.0#



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





#5

2-Fluorophenol

Concen: 57.03 ng

RT: 5.17 min Scan# 626

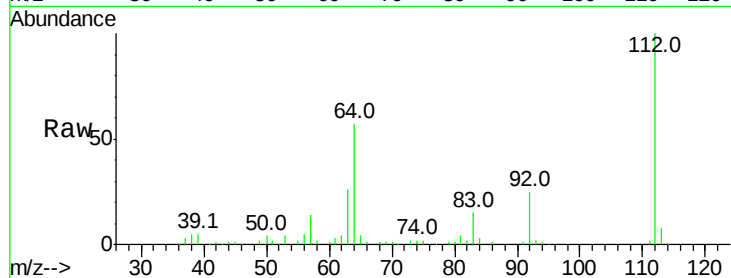
Delta R.T. -0.01 min

Lab File: BF096125.D

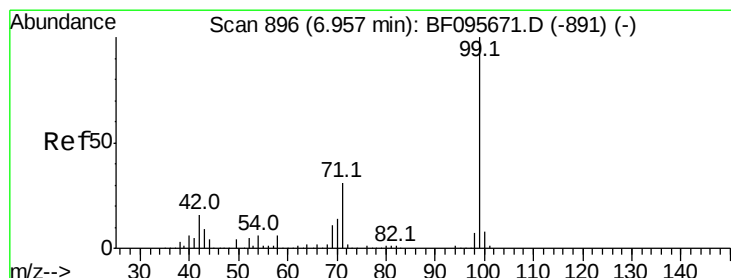
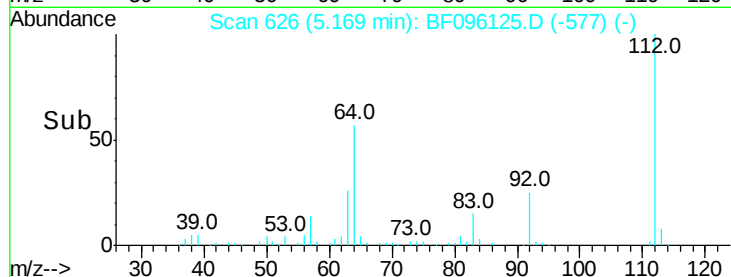
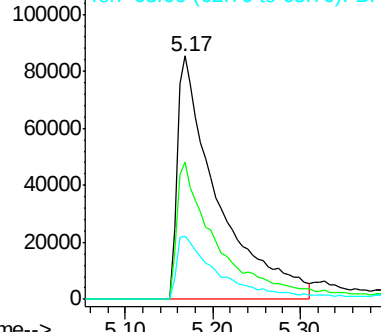
Acq: 22 Jun 2017 16:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:	112	Resp:	271667
Ion	Ratio	Lower	Upper
112	100		
64	56.6	46.0	69.0
63	26.1	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E



#7

Phenol-d6

Concen: 52.47 ng

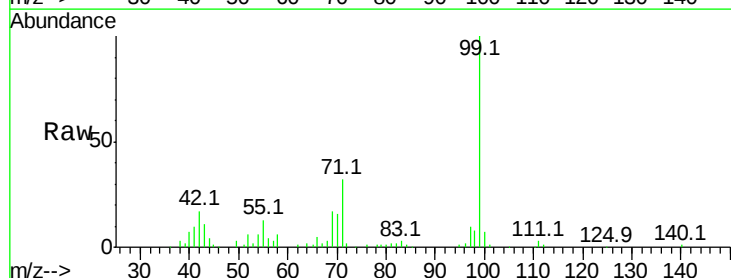
RT: 6.86 min Scan# 914

Delta R.T. -0.01 min

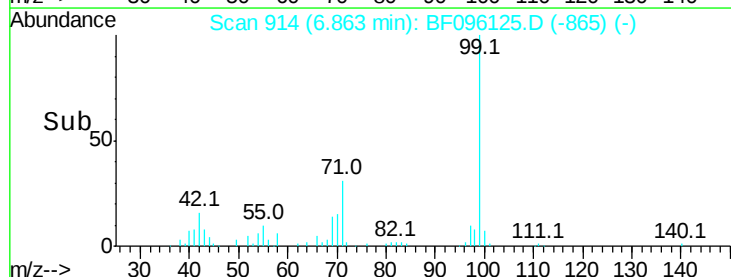
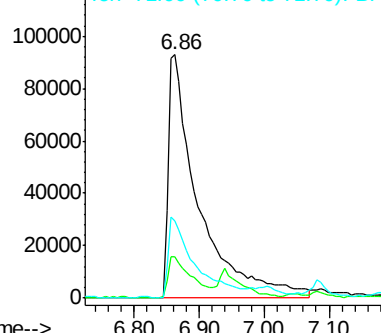
Lab File: BF096125.D

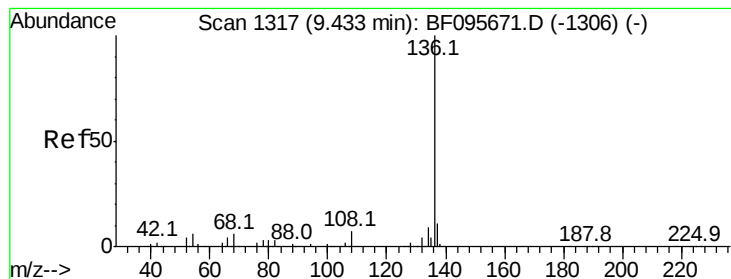
Acq: 22 Jun 2017 16:49

Tgt Ion:	99	Resp:	299219
Ion	Ratio	Lower	Upper
99	100		
42	16.9	13.5	20.3
71	32.0	24.5	36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.31 min Scan# 1330

Delta R.T. -0.02 min

Lab File: BF096125.D

Acq: 22 Jun 2017 16:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 294216

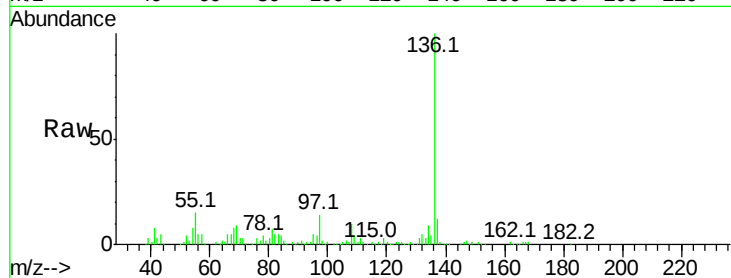
Ion Ratio Lower Upper

136 100

137 11.9 8.5 12.7

54 7.9 4.9 7.3#

68 7.6 4.1 6.1#

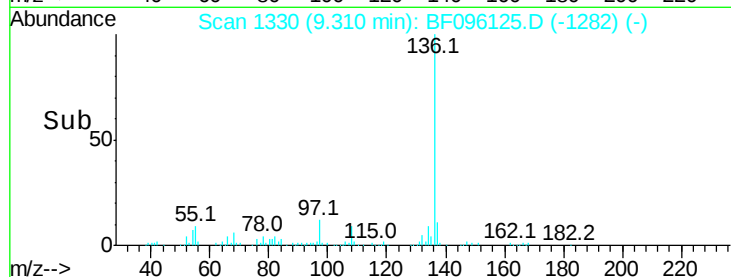


Abundance Ion 136.00 (135.70 to 136.70): E

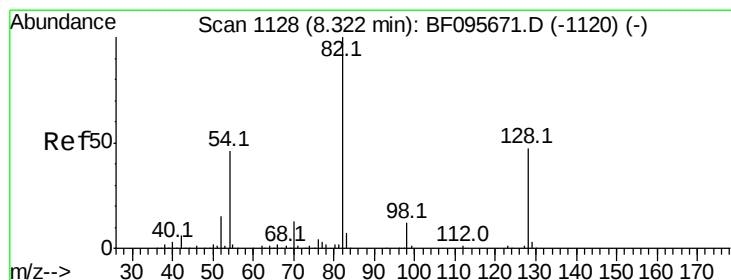
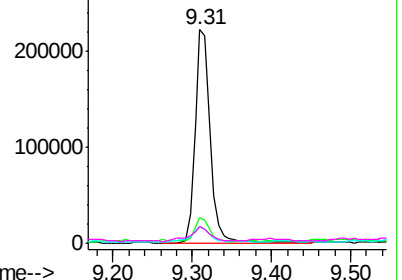
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 35.93 ng

RT: 8.20 min Scan# 1141

Delta R.T. -0.02 min

Lab File: BF096125.D

Acq: 22 Jun 2017 16:49

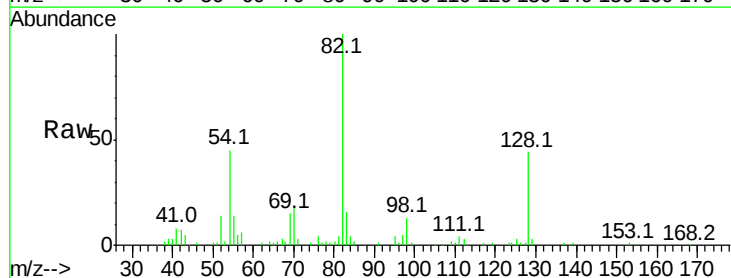
Tgt Ion: 82 Resp: 170196

Ion Ratio Lower Upper

82 100

128 43.9 34.0 51.0

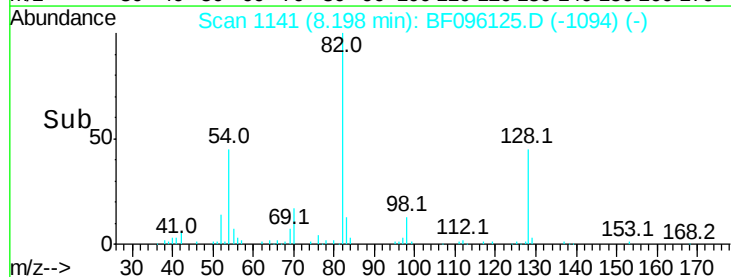
54 45.2 42.2 63.2



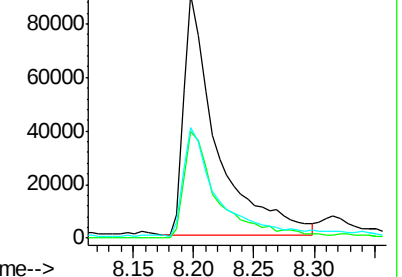
Abundance Ion 82.00 (81.70 to 82.70): BF0

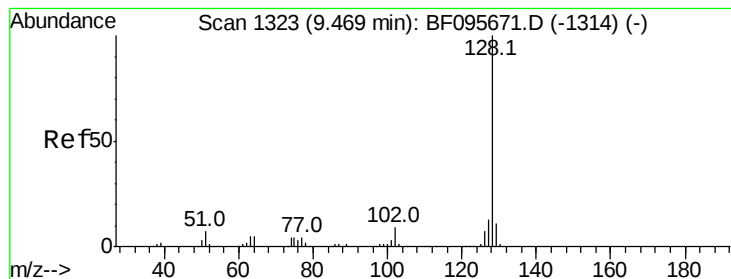
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#31

Naphthalene

Concen: 9.41 ng

RT: 9.35 min Scan# 1336

Delta R.T. -0.02 min

Lab File: BF096125.D

Acq: 22 Jun 2017 16:49

Instrument :

BNA_F

ClientSampleId :

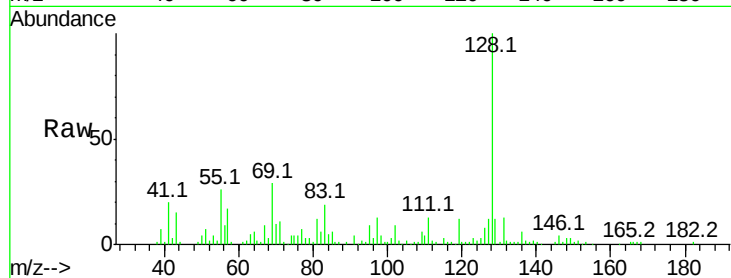
Tot Ion:128 Resp: 138964

Ion Ratio Lower Upper

128 100

129 12.4 9.0 13.6

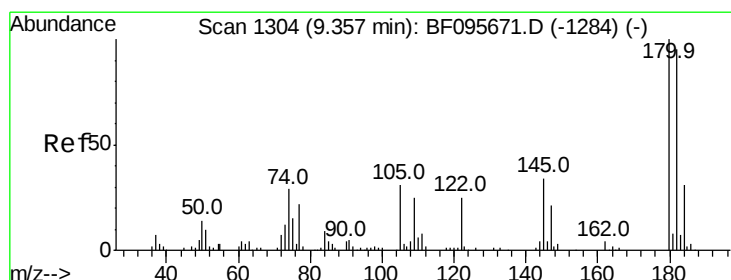
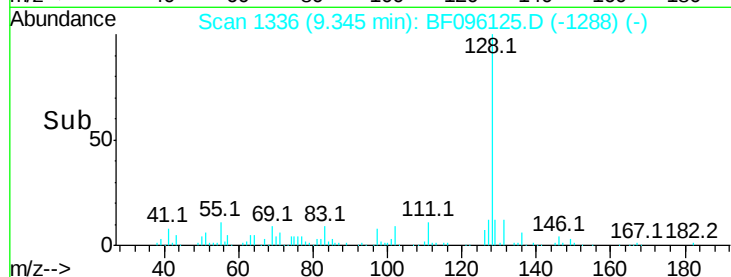
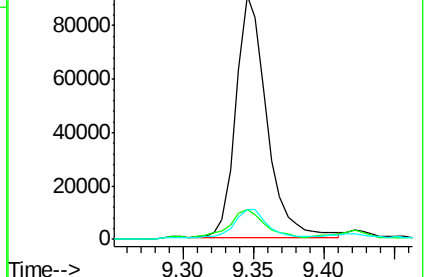
127 12.5 10.8 16.2



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: 5.49 ng

RT: 9.29 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF096125.D

Acq: 22 Jun 2017 16:49

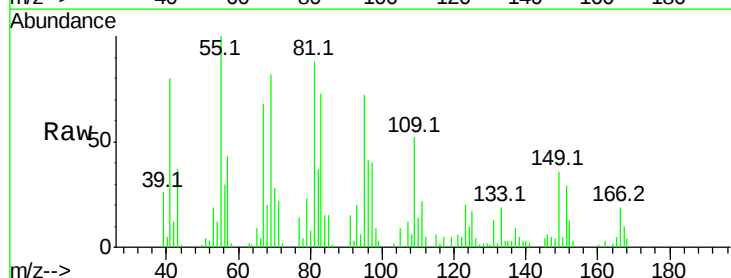
Tgt Ion:122 Resp: 1068

Ion Ratio Lower Upper

122 100

105 182.0 103.3 143.3#

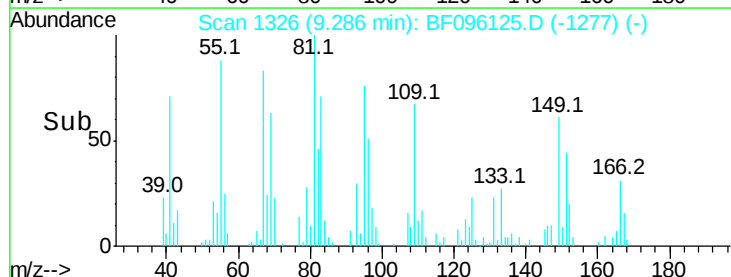
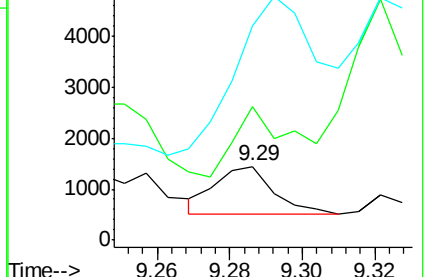
77 291.7 73.7 113.7#

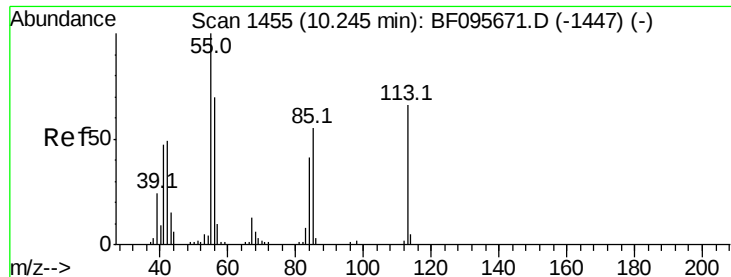


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#35

Caprolactam

Concen: 42.59 ng

RT: 10.14 min Scan# 1471

Delta R.T. -0.02 min

Lab File: BF096125.D

Acq: 22 Jun 2017 16:49

Instrument :

BNA_F

ClientSampleId :

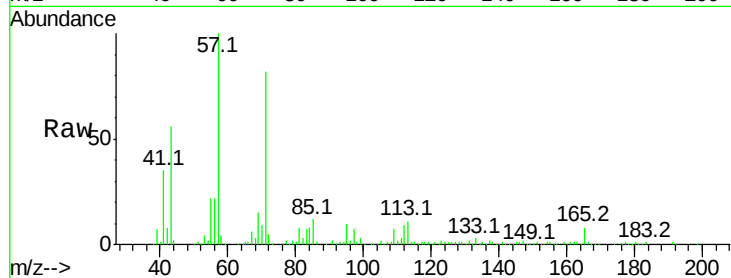
Tot Ion:113 Resp: 50199

Ion Ratio Lower Upper

113 100

55 200.4 150.2 190.2#

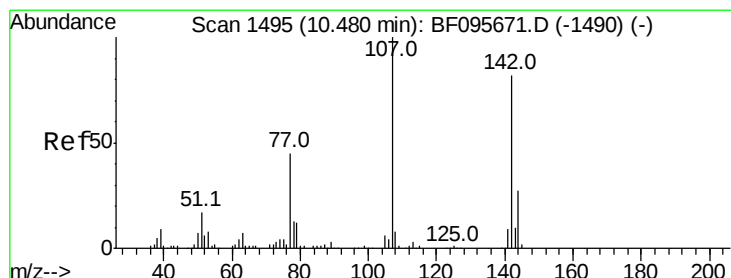
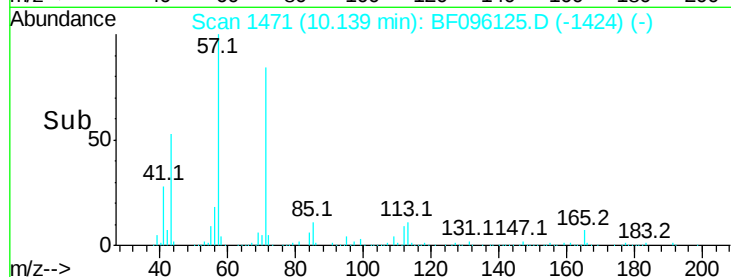
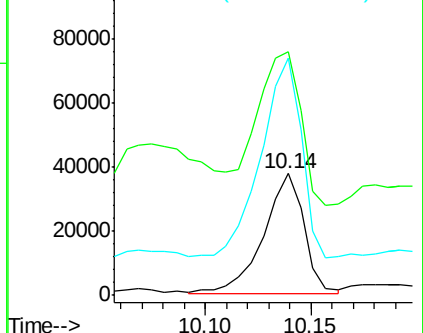
56 195.0 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 2.24 ng

RT: 10.39 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BF096125.D

Acq: 22 Jun 2017 16:49

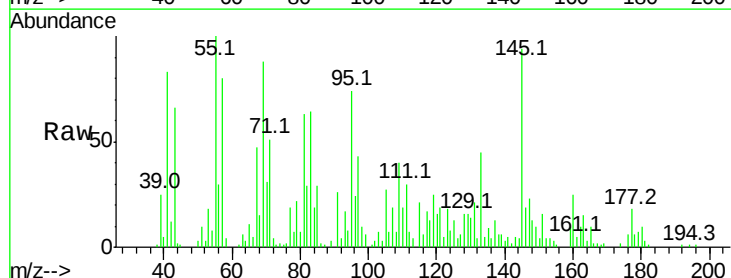
Tgt Ion:107 Resp: 9284

Ion Ratio Lower Upper

107 100

144 20.9 24.2 36.4#

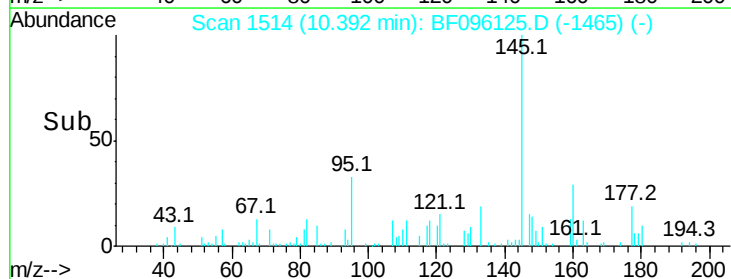
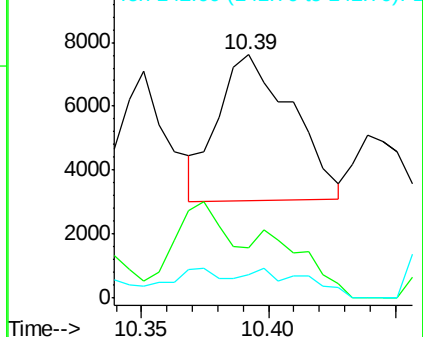
142 9.5 73.4 110.0#

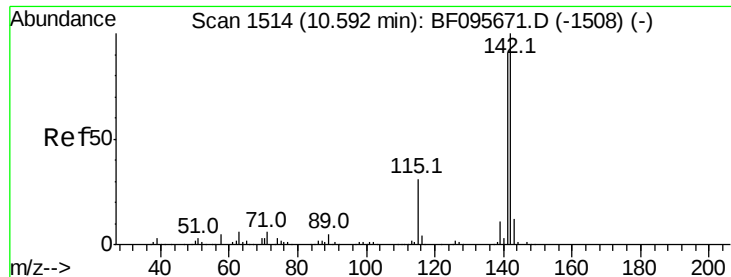


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

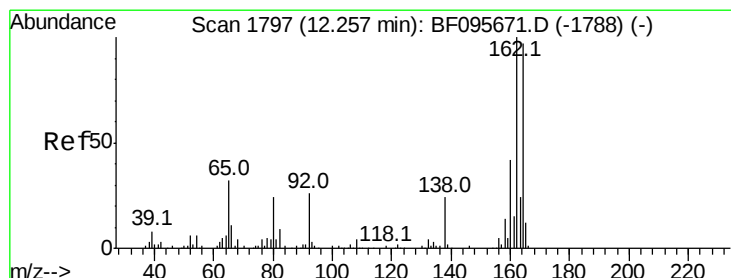
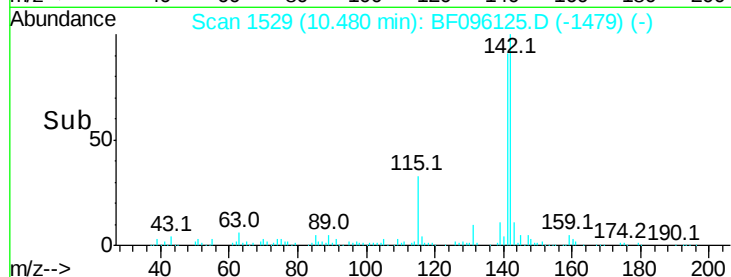
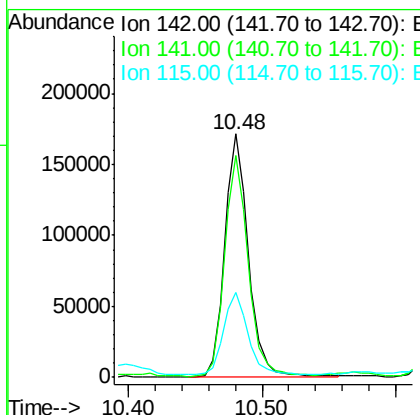
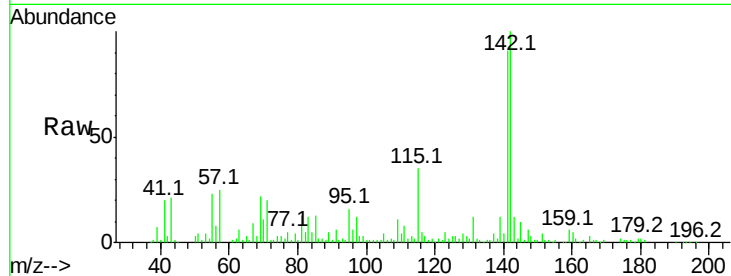




#37
2-Methylnaphthalene
Concen: 21.53 ng
RT: 10.48 min Scan# 1529
Delta R.T. -0.01 min
Lab File: BF096125.D
Acq: 22 Jun 2017 16:49

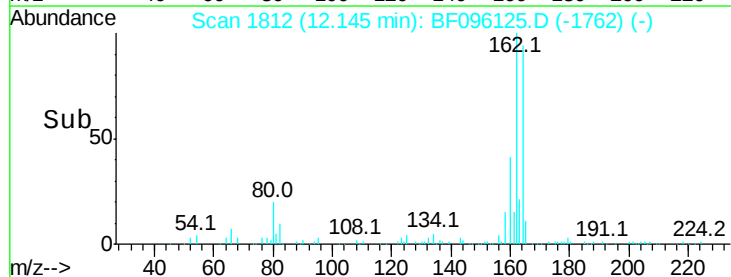
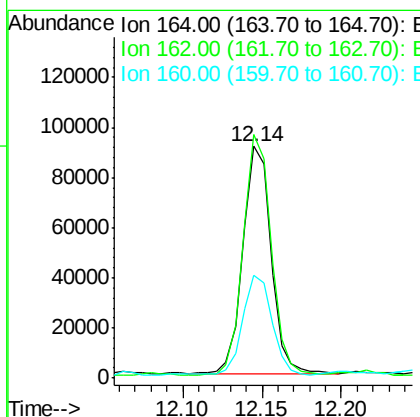
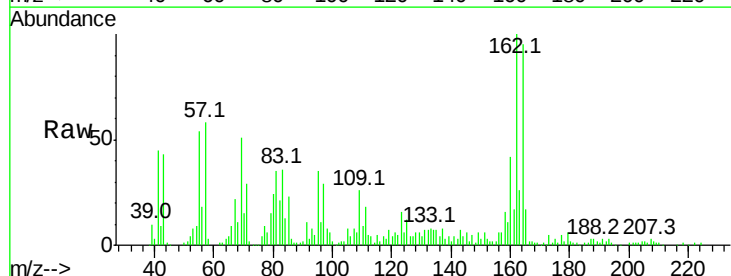
Instrument :
BNA_F
ClientSampleId :

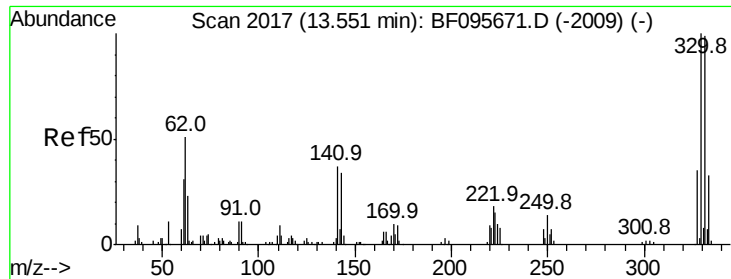
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.9	71.3	106.9
115	35.0	27.1	40.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.14 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF096125.D
Acq: 22 Jun 2017 16:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.2	82.6	123.8
160	44.4	36.2	54.2

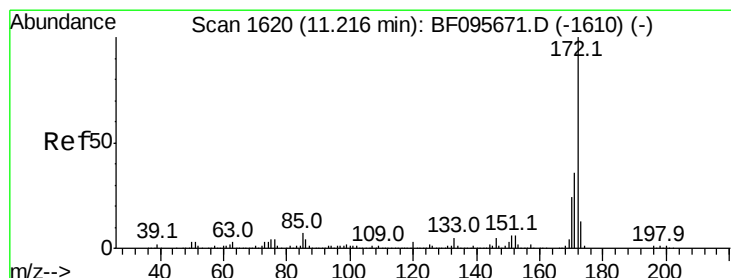
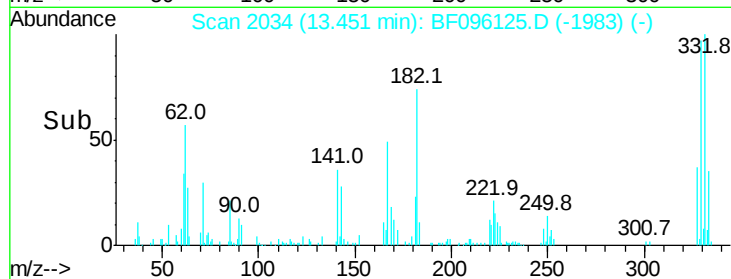
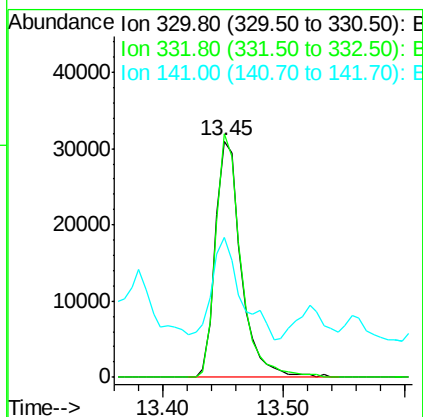
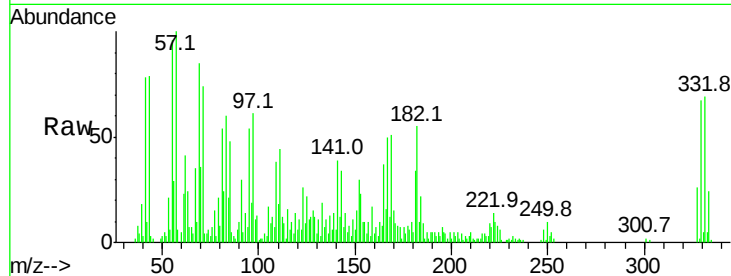




#41
 2,4,6-Tribromophenol
 Concen: 46.50 ng
 RT: 13.45 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: BF096125.D
 Acq: 22 Jun 2017 16:49

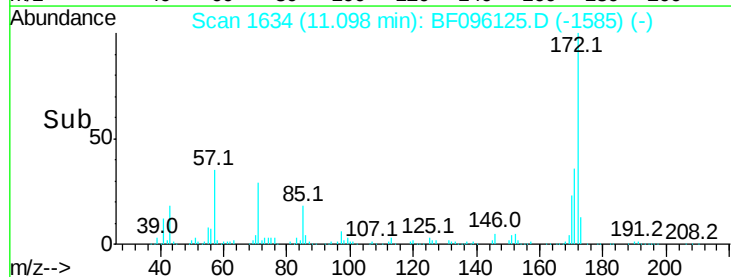
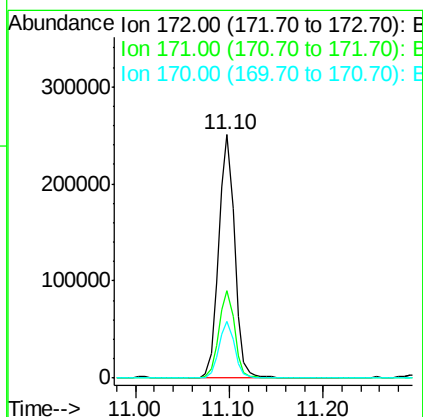
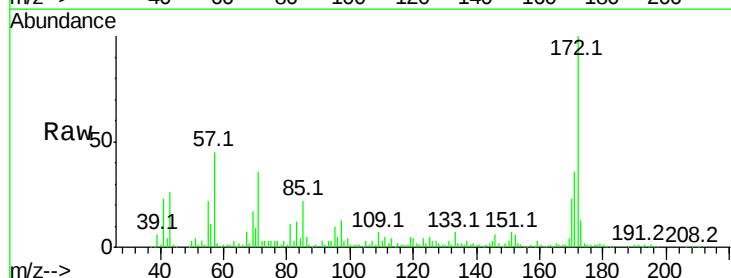
Instrument :
 BNA_F
 ClientSampleId :

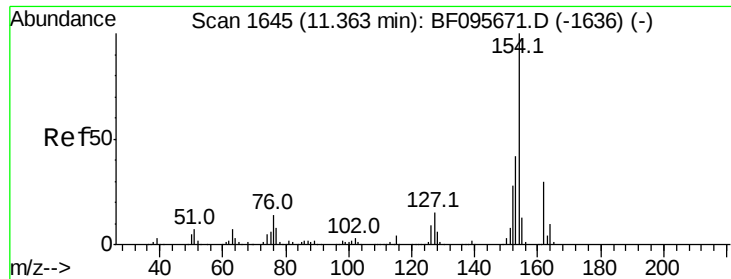
Tot Ion:330 Resp: 45686
 Ion Ratio Lower Upper
 330 100
 332 100.5 76.6 115.0
 141 47.9 31.4 47.2#



#44
 2-Fluorobiphenyl
 Concen: 37.73 ng
 RT: 11.10 min Scan# 1634
 Delta R.T. -0.01 min
 Lab File: BF096125.D
 Acq: 22 Jun 2017 16:49

Tgt Ion:172 Resp: 301047
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.6 44.4
 170 23.1 19.8 29.8





#45

1,1'-Biphenyl

Concen: 2.76 ng

RT: 11.26 min Scan# 1661

Delta R.T. 0.00 min

Lab File: BF096125.D

Acq: 22 Jun 2017 16:49

Instrument :

BNA_F

ClientSampleId :

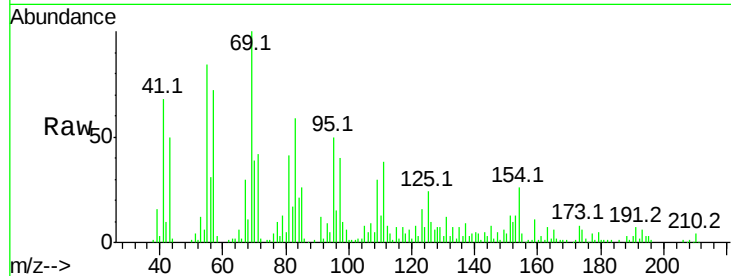
Tot Ion:154 Resp: 25248

Ion Ratio Lower Upper

154 100

153 49.2 21.2 61.2

76 14.3 0.0 29.9

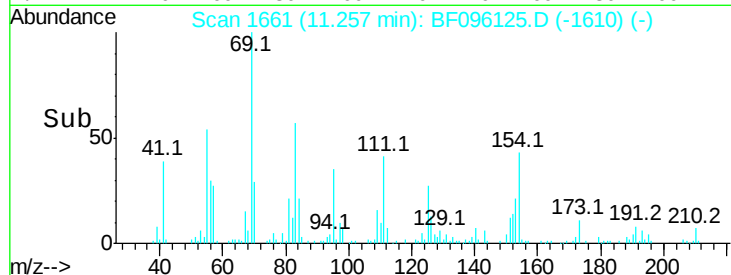


Abundance Ion 154.00 (153.70 to 154.70): E

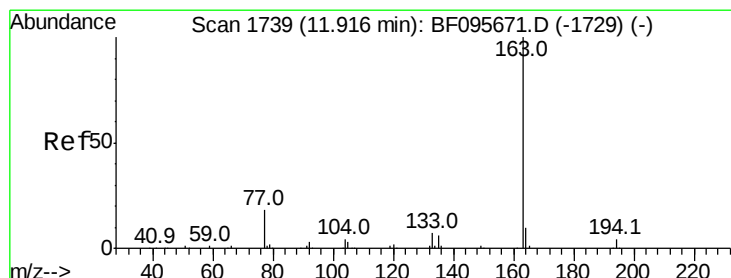
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

Time-->



Time-->



#49

Dimethylphthalate

Concen: 4.35 ng

RT: 11.80 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF096125.D

Acq: 22 Jun 2017 16:49

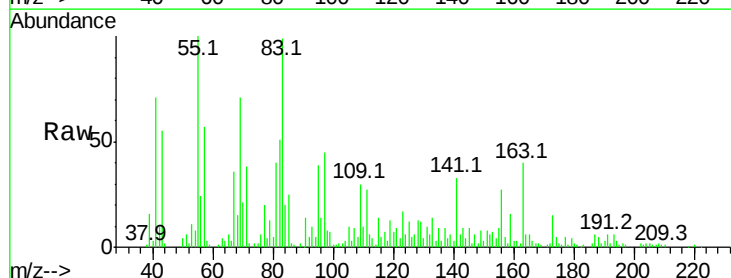
Tgt Ion:163 Resp: 36638

Ion Ratio Lower Upper

163 100

194 6.9 2.6 4.0#

164 15.5 8.4 12.6#

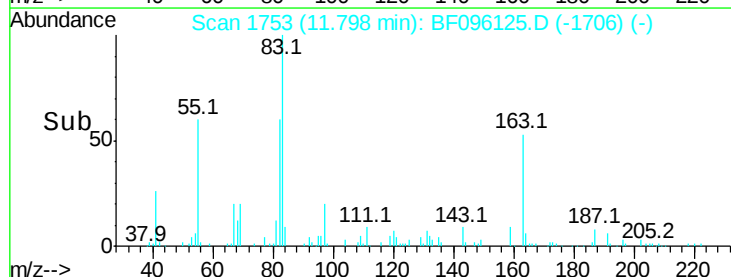


Abundance Ion 163.00 (162.70 to 163.70): E

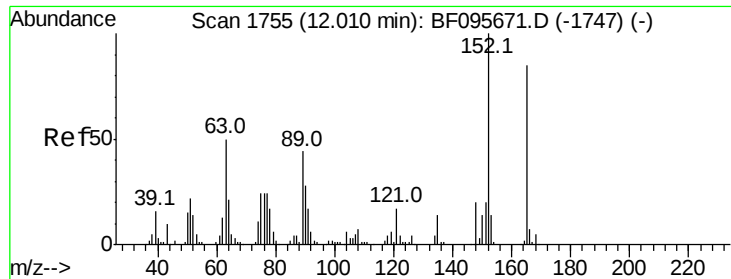
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

Time-->



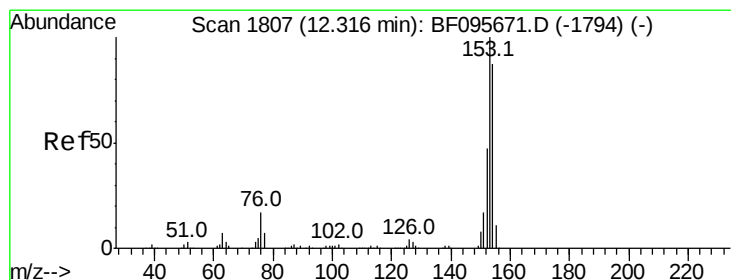
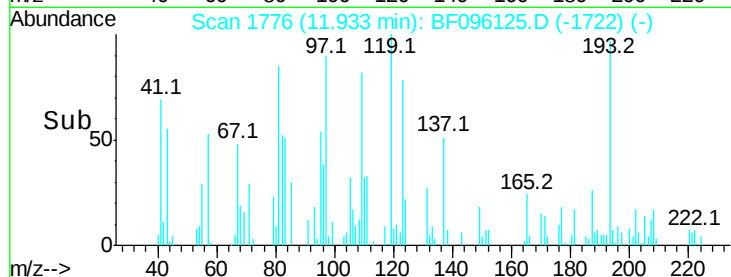
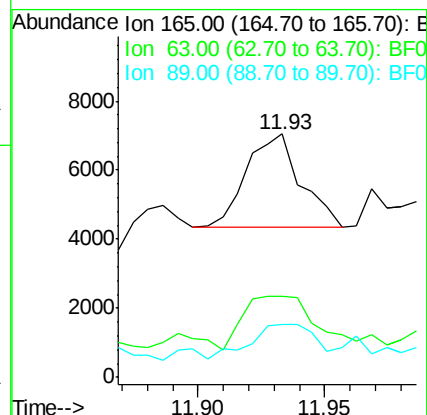
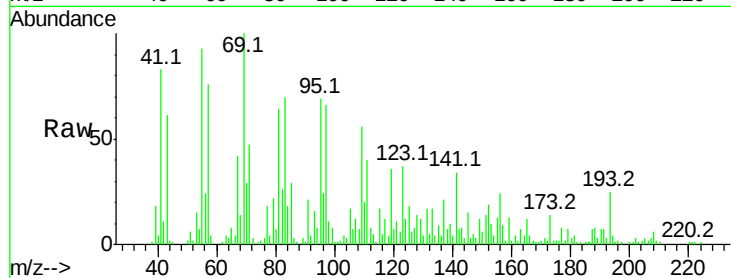
Time-->



#50
2,6-Dinitrotoluene
Concen: 2.19 ng
RT: 11.93 min Scan# 1776
Delta R.T. 0.02 min
Lab File: BF096125.D
Acq: 22 Jun 2017 16:49

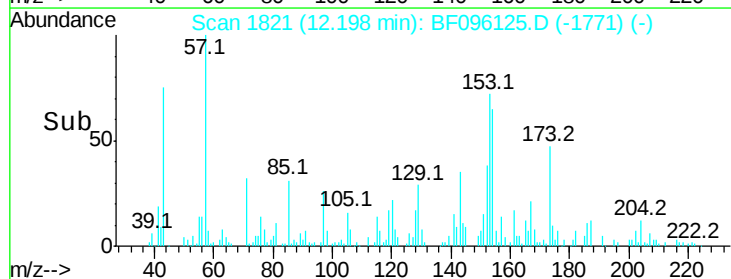
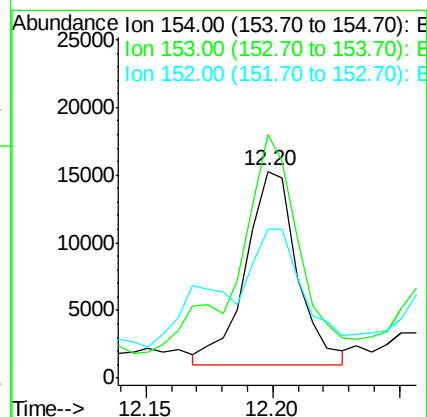
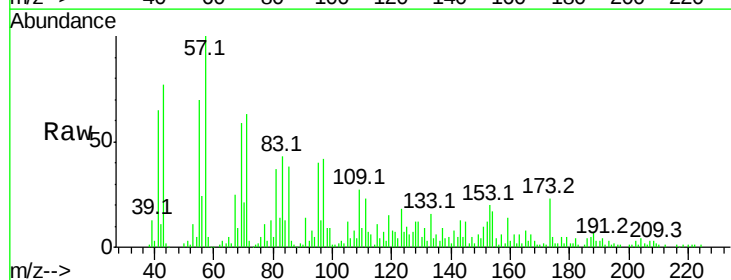
Instrument :
BNA_F
ClientSampled :

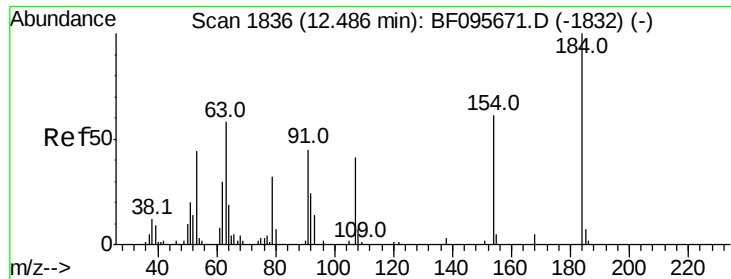
Tot Ion:165 Resp: 4019
Ion Ratio Lower Upper
165 100
63 33.1 34.3 51.5#
89 21.5 37.1 55.7#



#51
Acenaphthene
Concen: 2.89 ng
RT: 12.20 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF096125.D
Acq: 22 Jun 2017 16:49

Tgt Ion:154 Resp: 20387
Ion Ratio Lower Upper
154 100
153 117.6 90.5 135.7
152 72.0 43.6 65.4#

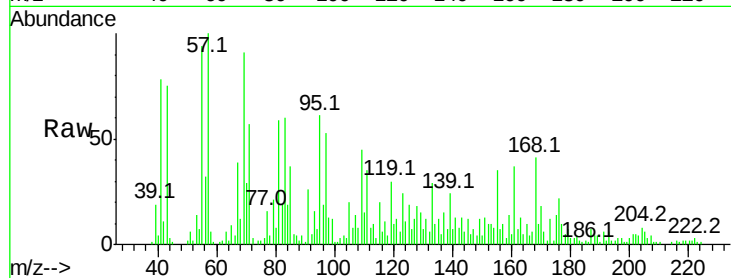




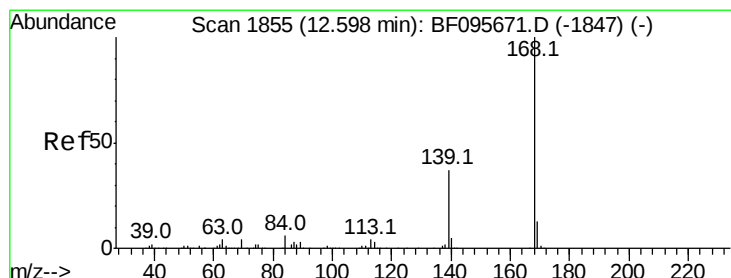
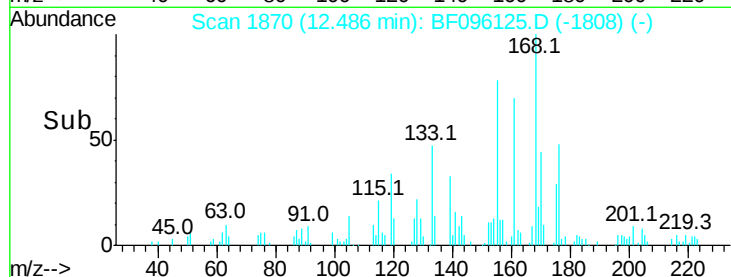
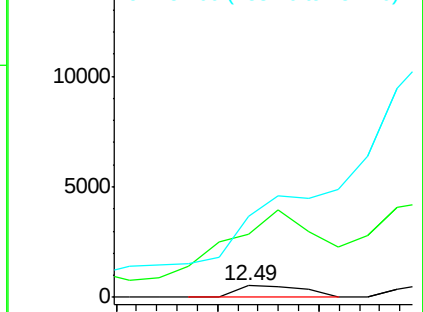
#53
2,4-Dinitrophenol
Concen: 6.91 ng
RT: 12.49 min Scan# 1870
Delta R.T. 0.06 min
Lab File: BF096125.D
Acq: 22 Jun 2017 16:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:184 Resp: 496
Ion Ratio Lower Upper
184 100
63 537.3 62.7 94.1#
154 690.1 81.1 121.7#

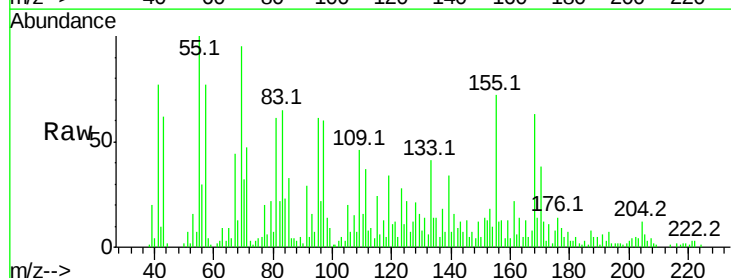


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

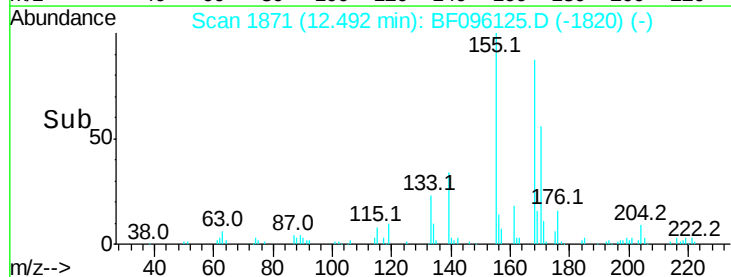
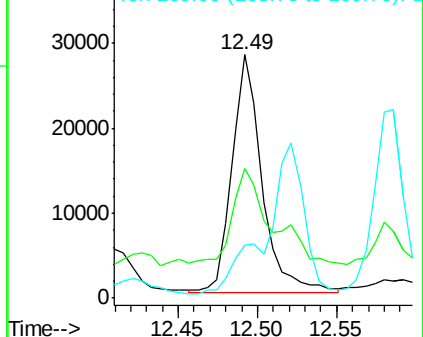


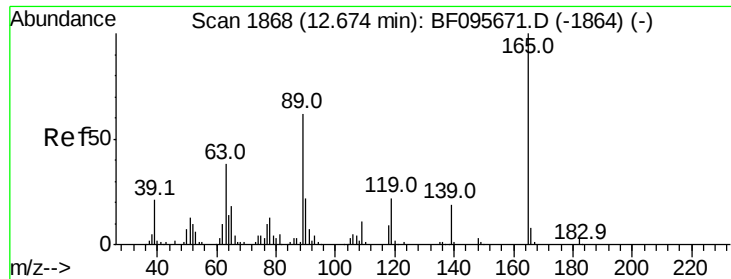
#54
Dibenzofuran
Concen: 3.70 ng
RT: 12.49 min Scan# 1871
Delta R.T. 0.00 min
Lab File: BF096125.D
Acq: 22 Jun 2017 16:49

Tgt Ion:168 Resp: 36770
Ion Ratio Lower Upper
168 100
139 53.3 30.6 45.8#
169 21.6 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

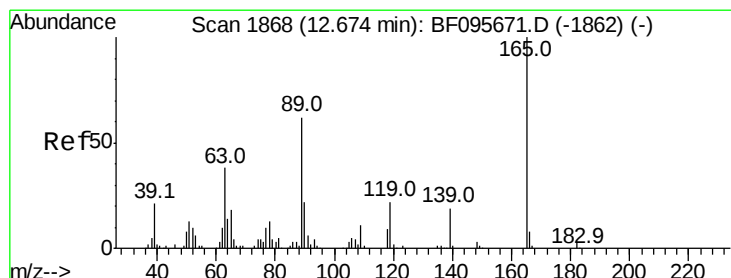
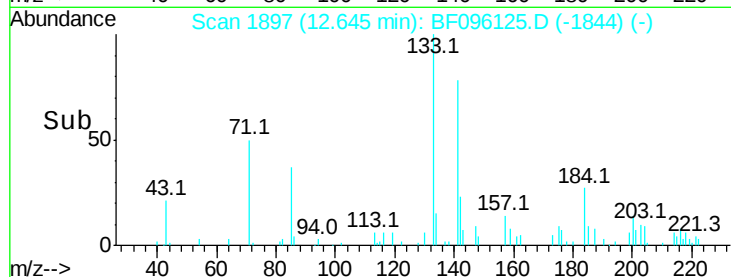
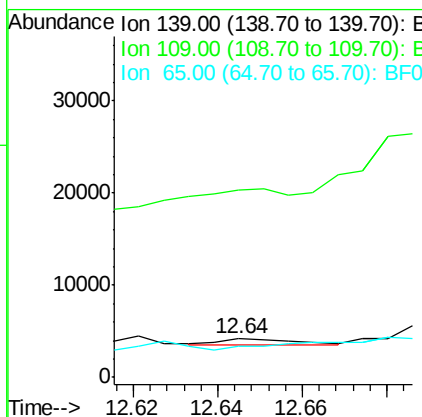
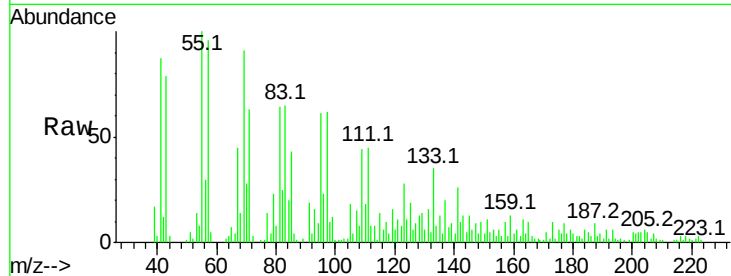




#55
4-Nitrophenol
Concen: 5.32 ng
RT: 12.64 min Scan# 1897
Delta R.T. 0.01 min
Lab File: BF096125.D
Acq: 22 Jun 2017 16:49

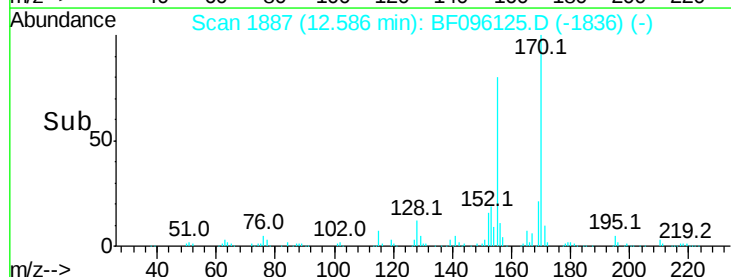
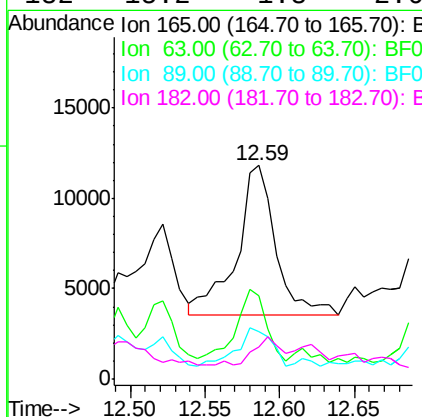
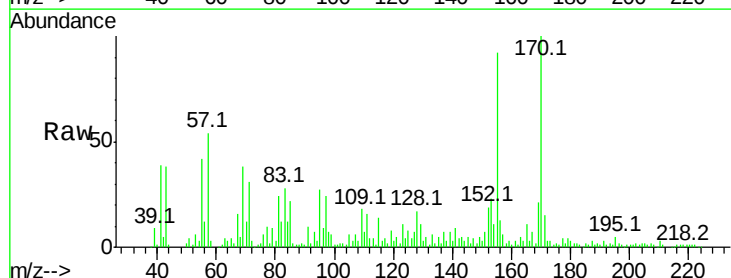
Instrument :
BNA_F
ClientSampleId :

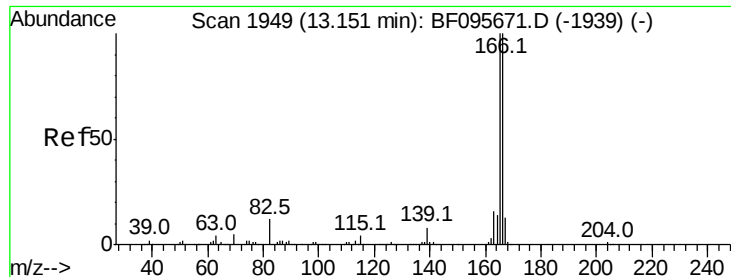
Tot Ion:139 Resp: 917
Ion Ratio Lower Upper
139 100
109 483.8 34.1 74.1#
65 81.7 31.4 71.4#



#56
2,4-Dinitrotoluene
Concen: 6.13 ng
RT: 12.59 min Scan# 1887
Delta R.T. 0.00 min
Lab File: BF096125.D
Acq: 22 Jun 2017 16:49

Tgt Ion:165 Resp: 15225
Ion Ratio Lower Upper
165 100
63 39.1 25.4 38.0#
89 21.9 46.4 69.6#
182 15.2 1.8 2.6#





#57

Fluorene

Concen: 4.78 ng

RT: 13.04 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BF096125.D

Acq: 22 Jun 2017 16:49

Instrument :

BNA_F

ClientSampleId :

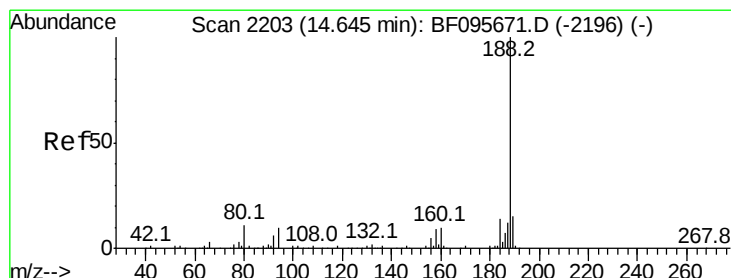
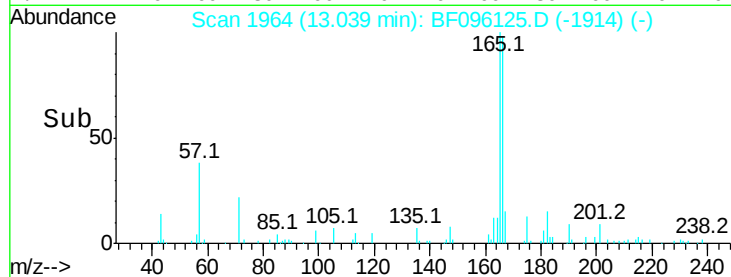
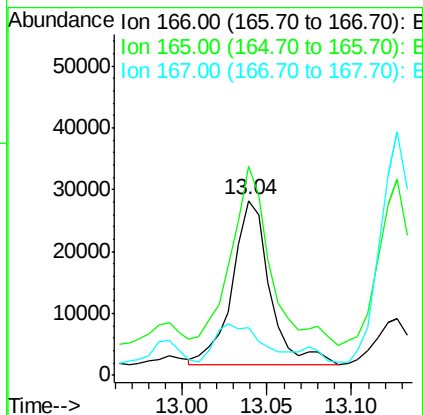
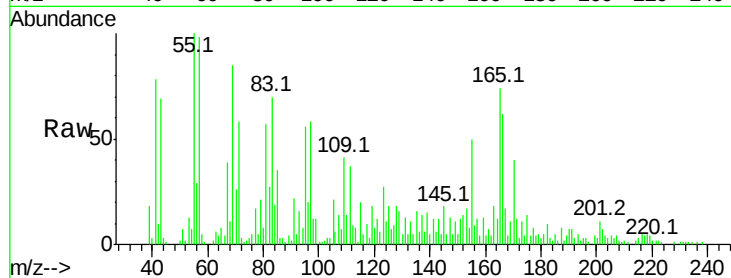
Tot Ion:166 Resp: 41331

Ion Ratio Lower Upper

166 100

165 119.7 78.8 118.2#

167 27.3 10.6 16.0#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.54 min Scan# 2220

Delta R.T. 0.01 min

Lab File: BF096125.D

Acq: 22 Jun 2017 16:49

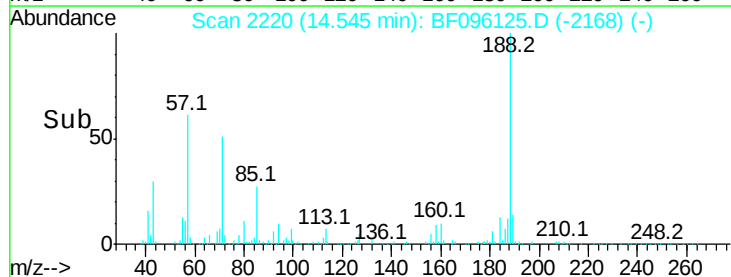
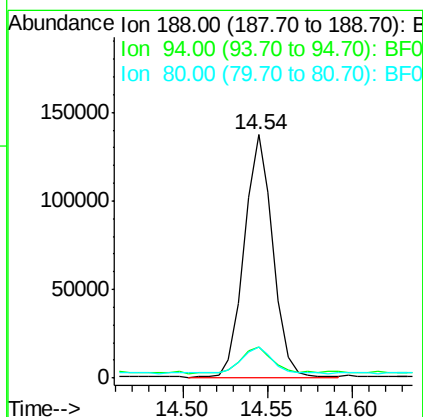
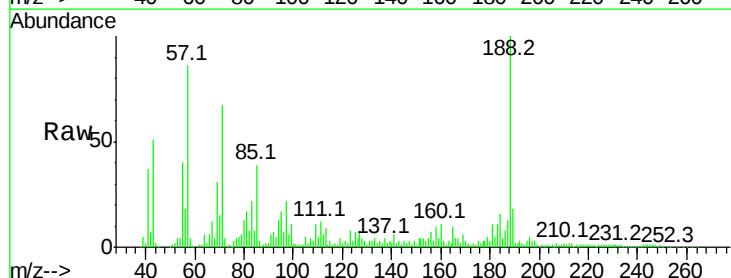
Tgt Ion:188 Resp: 160605

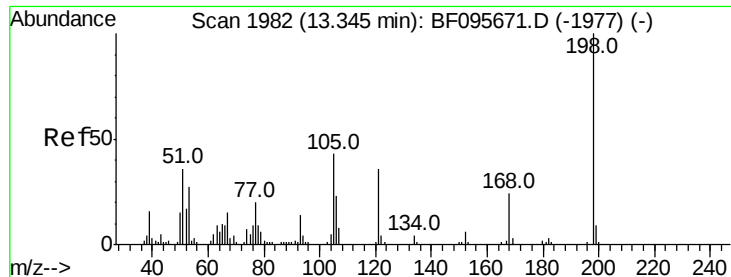
Ion Ratio Lower Upper

188 100

94 12.8 9.4 14.2

80 12.9 10.2 15.2





#64

4,6-Dinitro-2-methylphenol

Concen: 2.23 ng

RT: 13.24 min Scan# 1998

Delta R.T. -0.02 min

Lab File: BF096125.D

Acq: 22 Jun 2017 16:49

Instrument :

BNA_F

ClientSampleId :

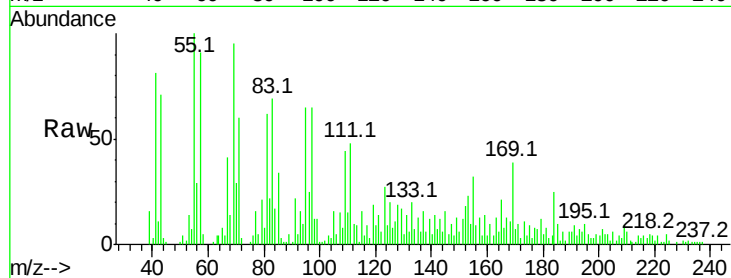
Tot Ion:198 Resp: 2354

Ion Ratio Lower Upper

198 100

51 149.6 53.2 93.2#

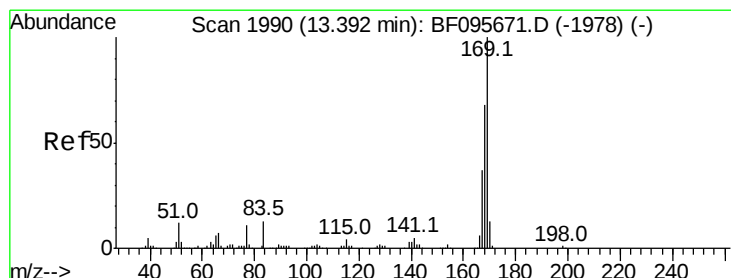
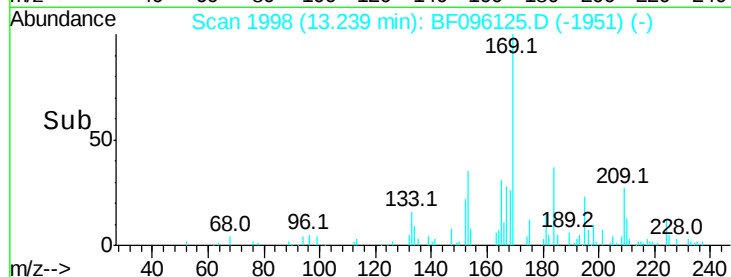
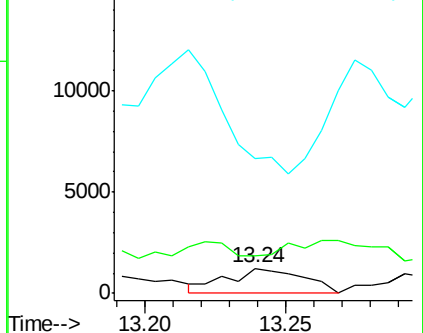
105 540.5 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 12.37 ng

RT: 13.27 min Scan# 2003

Delta R.T. -0.02 min

Lab File: BF096125.D

Acq: 22 Jun 2017 16:49

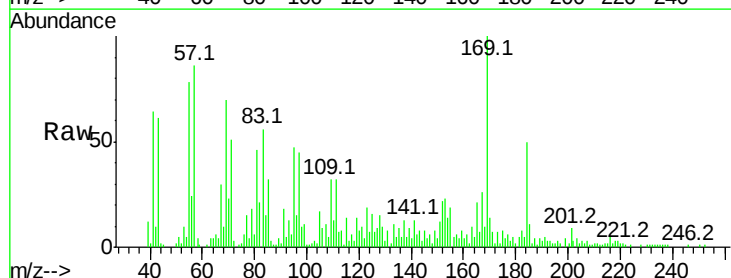
Tgt Ion:169 Resp: 71386

Ion Ratio Lower Upper

169 100

168 9.6 53.2 79.8#

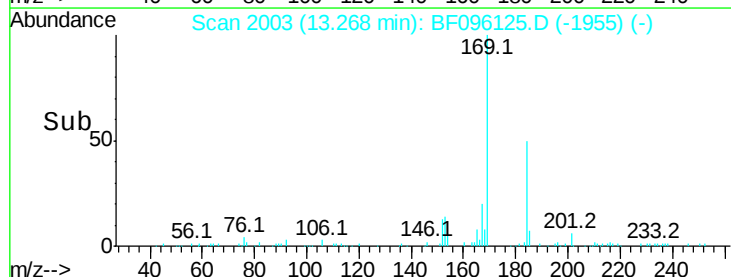
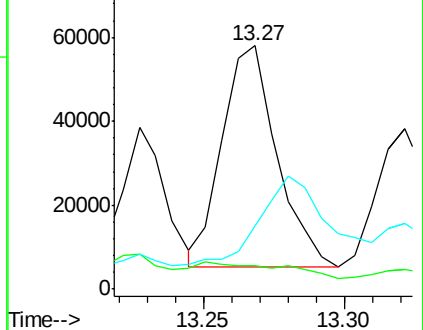
167 25.7 29.5 44.3#

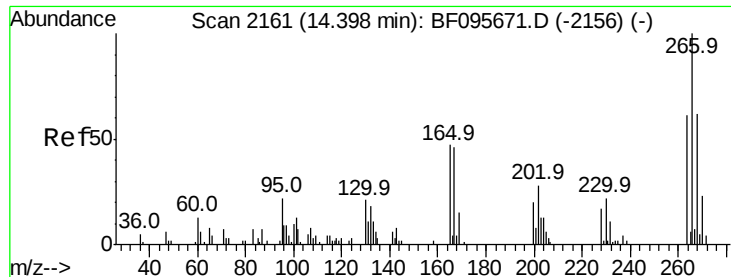


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

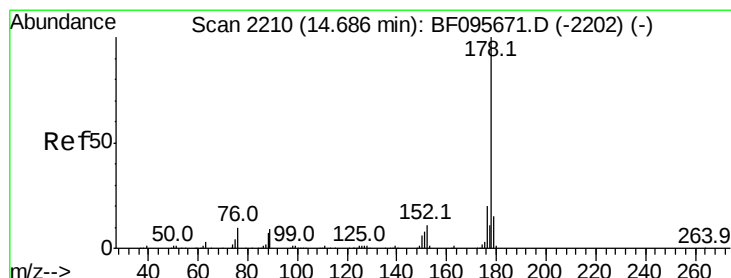
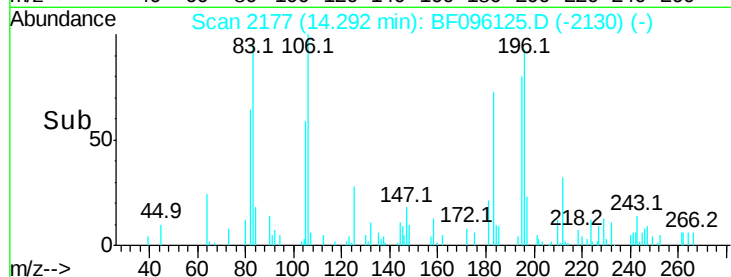
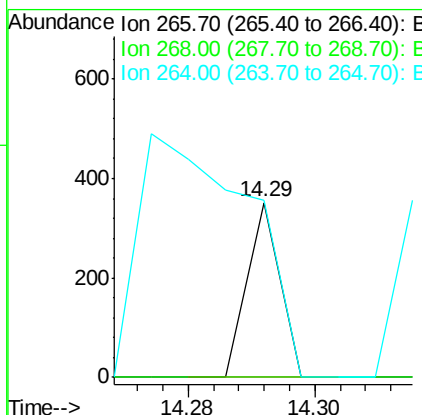
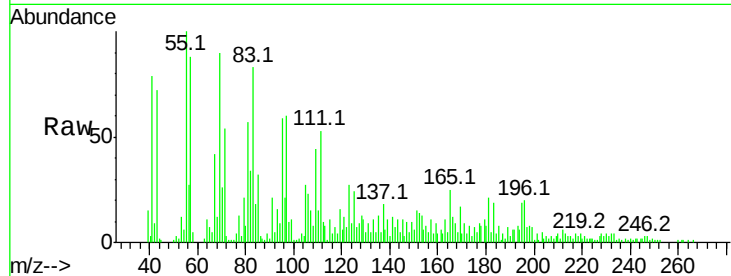




#69
 Pentachlorophenol
 Concen: 6.78 ng
 RT: 14.29 min Scan# 2177
 Delta R.T. -0.02 min
 Lab File: BF096125.D
 Acq: 22 Jun 2017 16:49

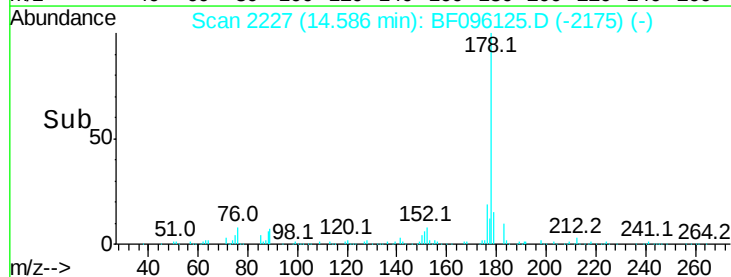
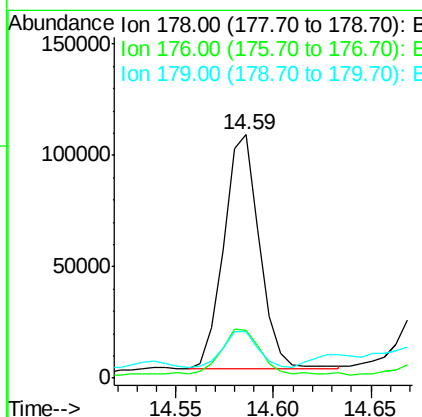
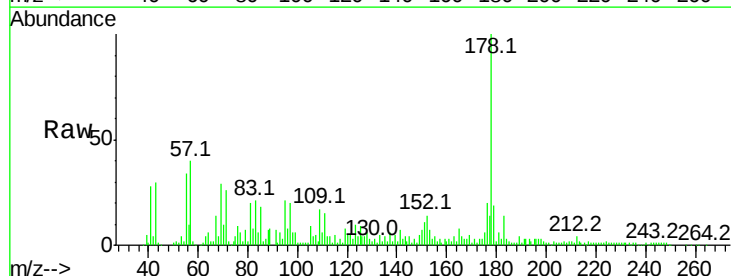
Instrument :
 BNA_F
 ClientSampleId :

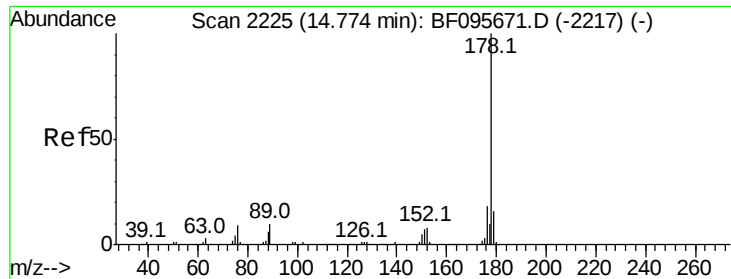
Tot Ion:266 Resp: 124
 Ion Ratio Lower Upper
 266 100
 268 0.0 51.1 76.7#
 264 101.1 51.7 77.5#



#70
 Phenanthrene
 Concen: 14.48 ng
 RT: 14.59 min Scan# 2227
 Delta R.T. 0.01 min
 Lab File: BF096125.D
 Acq: 22 Jun 2017 16:49

Tgt Ion:178 Resp: 134210
 Ion Ratio Lower Upper
 178 100
 176 19.8 16.2 24.4
 179 19.0 12.6 19.0#

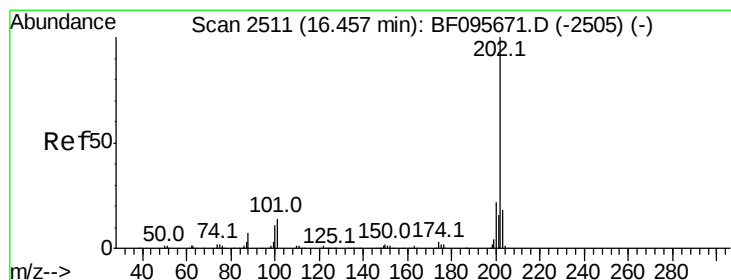
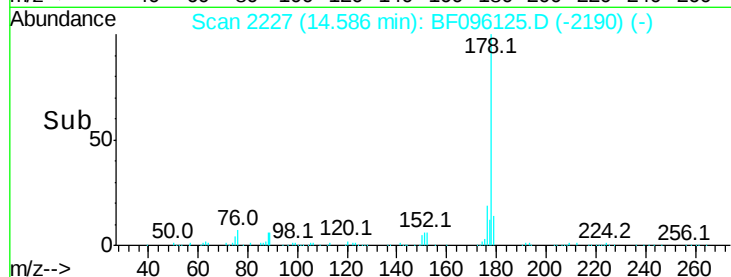
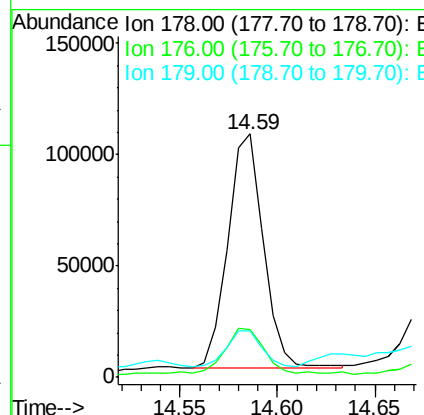
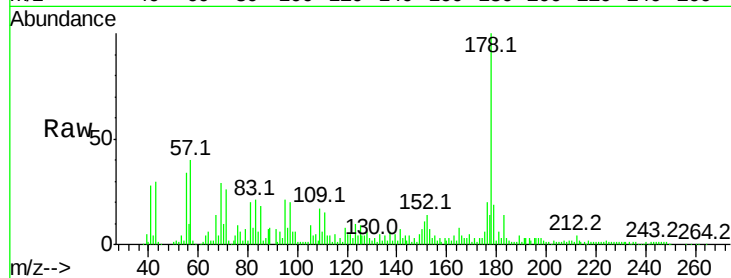




#71
 Anthracene
 Concen: 13.87 ng
 RT: 14.59 min Scan# 2227
 Delta R.T. -0.08 min
 Lab File: BF096125.D
 Acq: 22 Jun 2017 16:49

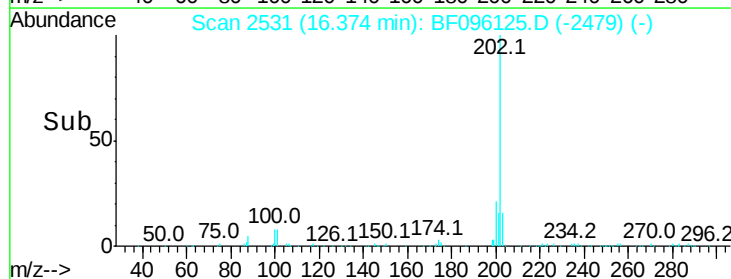
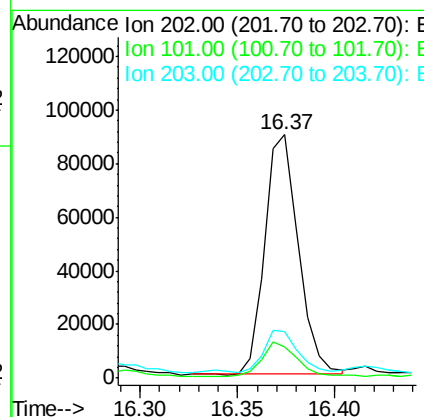
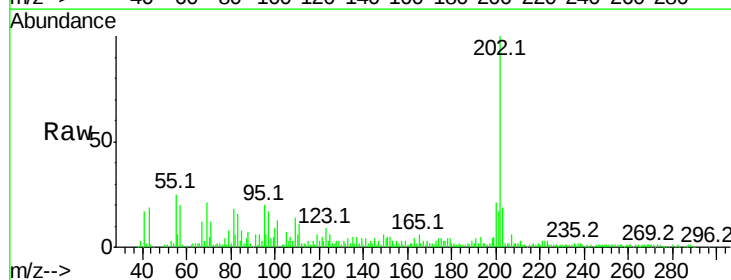
Instrument :
 BNA_F
 ClientSampled :

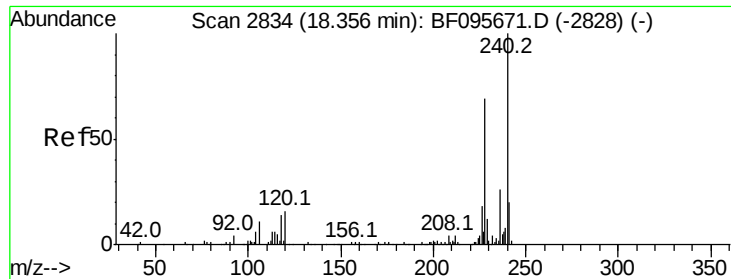
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	19.0	12.7	19.1



#74
 Fluoranthene
 Concen: 11.61 ng
 RT: 16.37 min Scan# 2531
 Delta R.T. 0.01 min
 Lab File: BF096125.D
 Acq: 22 Jun 2017 16:49

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	33.2
203	19.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.27 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BF096125.D

Acq: 22 Jun 2017 16:49

Instrument :

BNA_F

ClientSampleId :

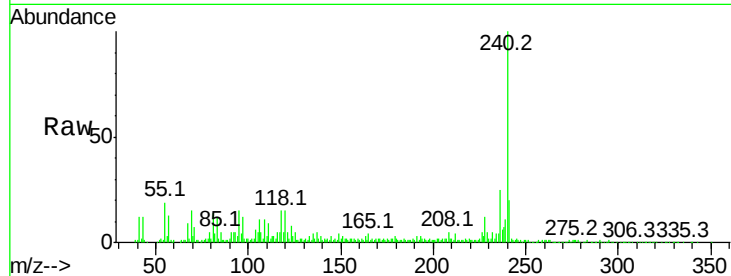
Tot Ion:240 Resp: 134843

Ion Ratio Lower Upper

240 100

120 15.4 5.8 8.8#

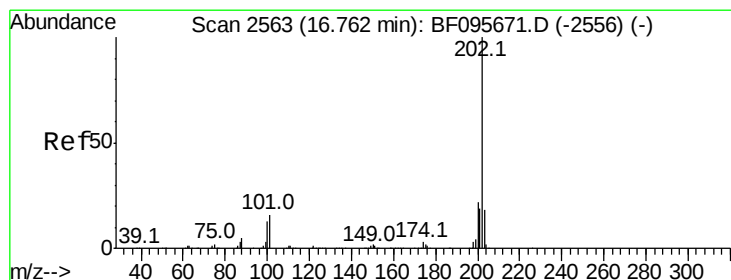
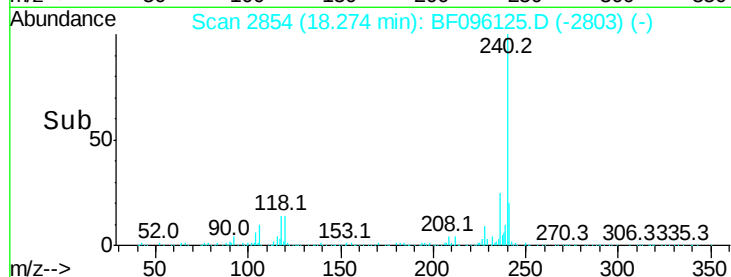
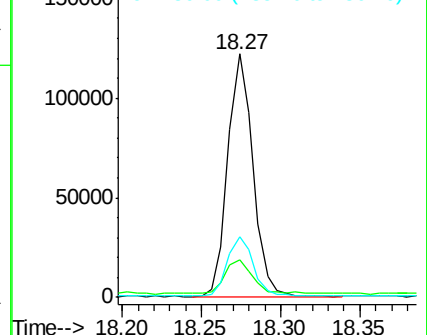
236 25.1 20.5 30.7



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: 11.95 ng

RT: 16.67 min Scan# 2582

Delta R.T. 0.01 min

Lab File: BF096125.D

Acq: 22 Jun 2017 16:49

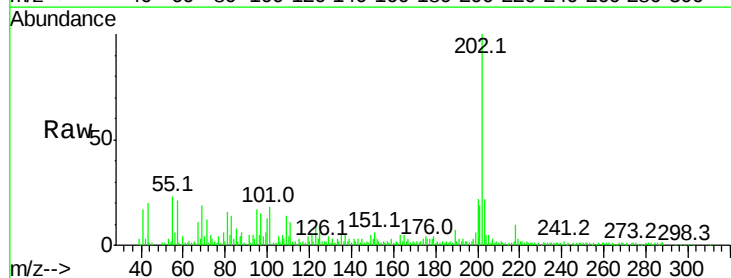
Tgt Ion:202 Resp: 120281

Ion Ratio Lower Upper

202 100

200 21.7 17.6 26.4

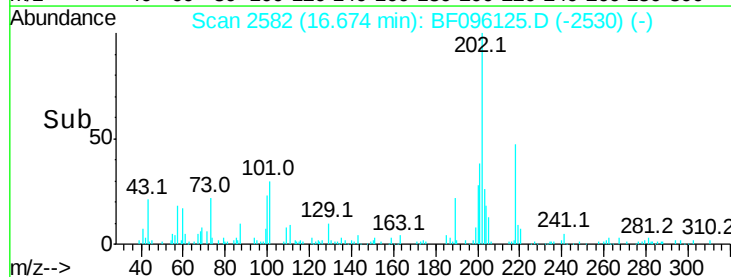
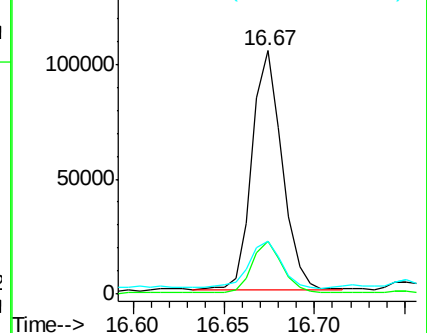
203 21.8 14.4 21.6#

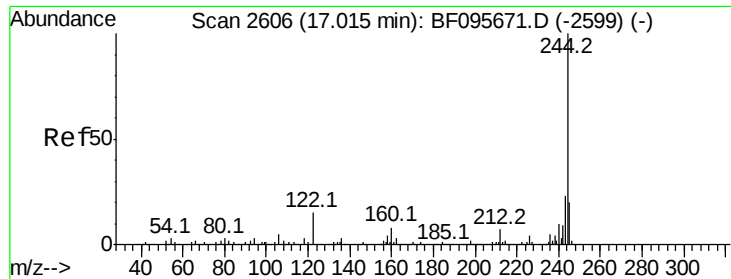


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 34.05 ng

RT: 16.92 min Scan# 2624

Delta R.T. -0.01 min

Lab File: BF096125.D

Acq: 22 Jun 2017 16:49

Instrument :

BNA_F

ClientSampleId :

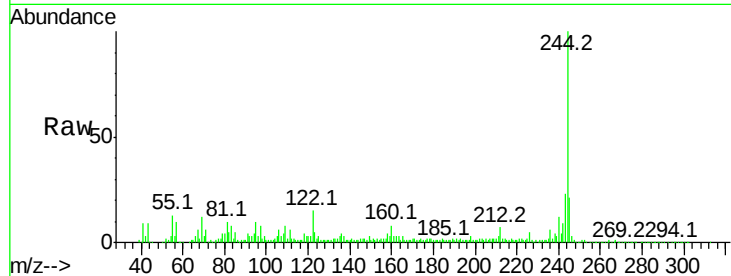
Tot Ion:244 Resp: 185022

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

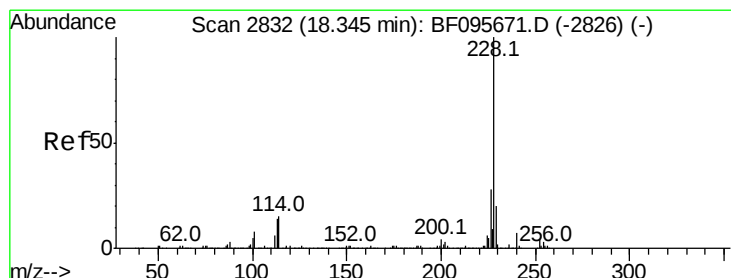
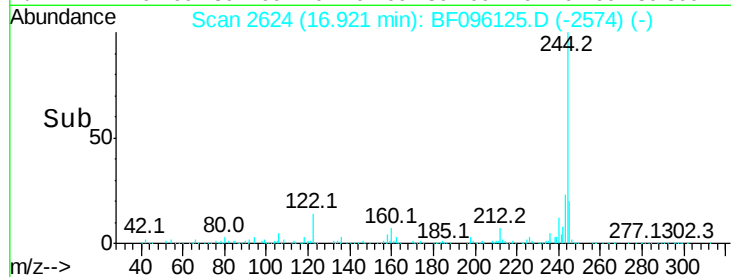
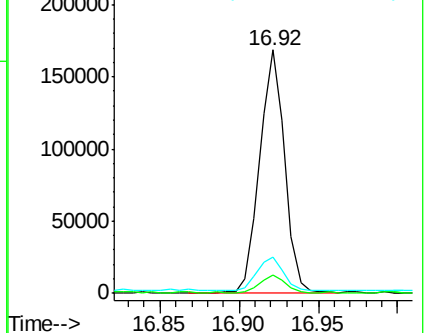
122 15.0 10.3 15.5



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: 5.03 ng

RT: 18.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BF096125.D

Acq: 22 Jun 2017 16:49

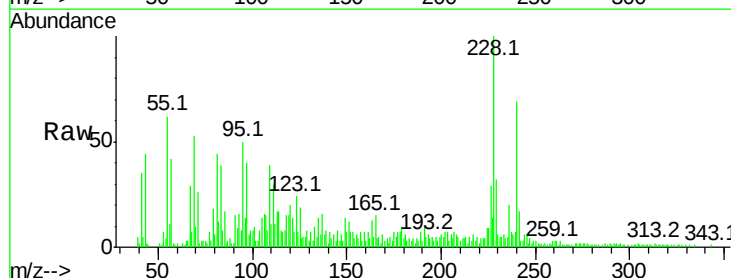
Tgt Ion:228 Resp: 39461

Ion Ratio Lower Upper

228 100

226 29.5 22.6 33.8

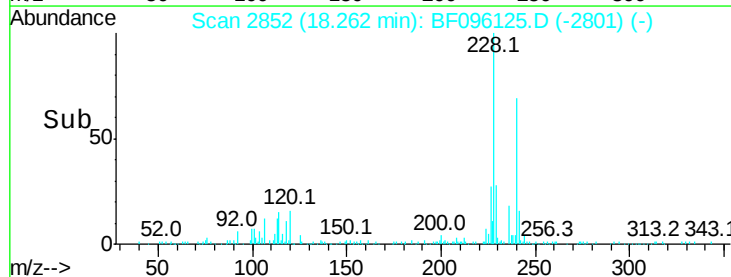
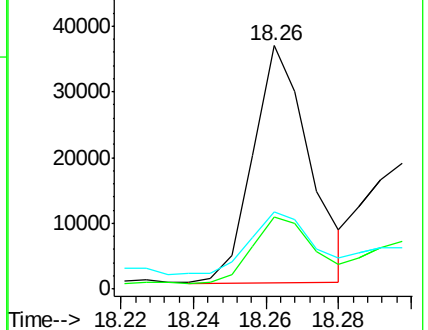
229 31.5 16.3 24.5#

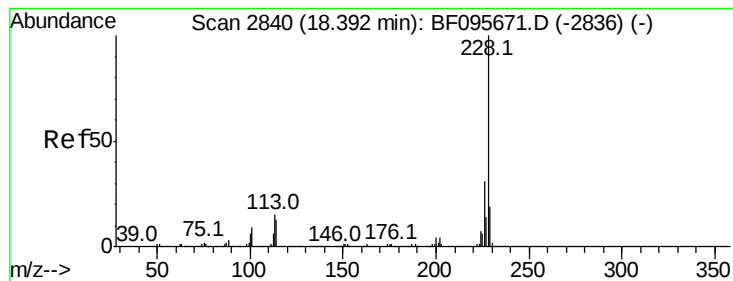


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.41 ng

RT: 18.31 min Scan# 2860

Delta R.T. 0.00 min

Lab File: BF096125.D

Acq: 22 Jun 2017 16:49

Instrument :

BNA_F

ClientSampleId :

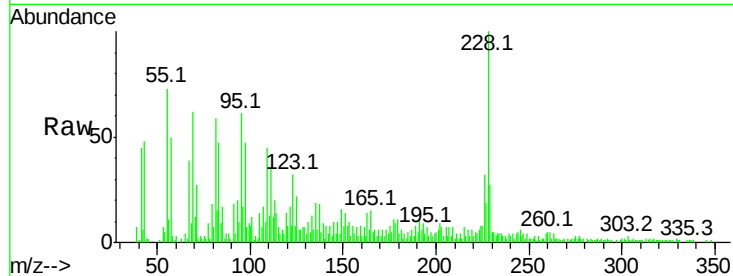
Tot Ion:228 Resp: 50191

Ion Ratio Lower Upper

228 100

226 32.4 24.9 37.3

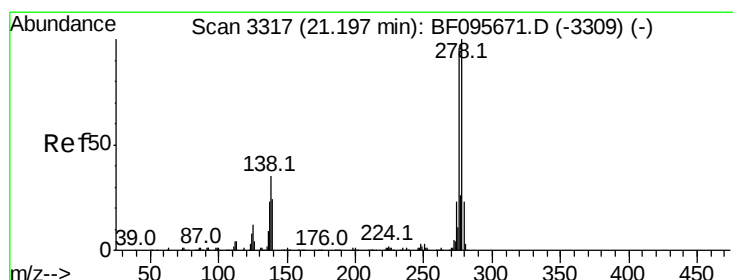
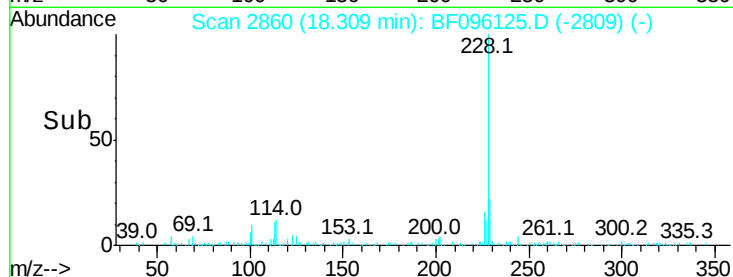
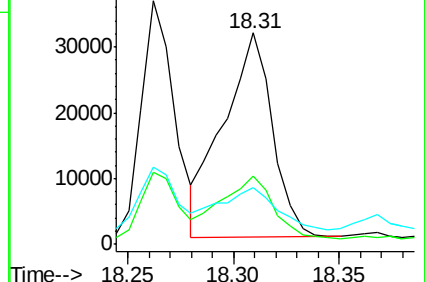
229 26.8 15.8 23.6#



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.37 ng

RT: 21.14 min Scan# 3342

Delta R.T. 0.05 min

Lab File: BF096125.D

Acq: 22 Jun 2017 16:49

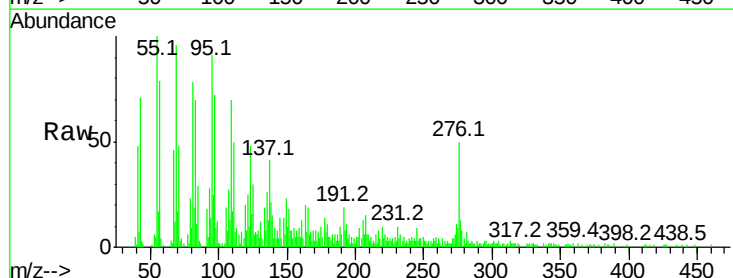
Tgt Ion:276 Resp: 22609

Ion Ratio Lower Upper

276 100

138 30.9 27.8 41.6

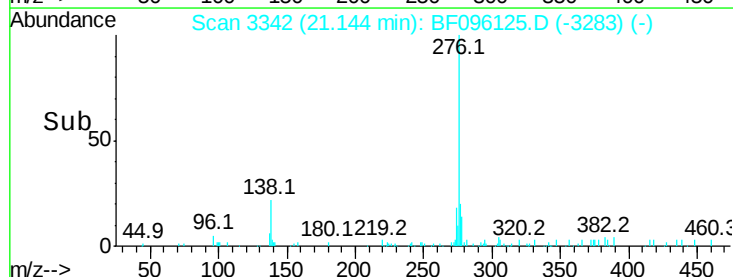
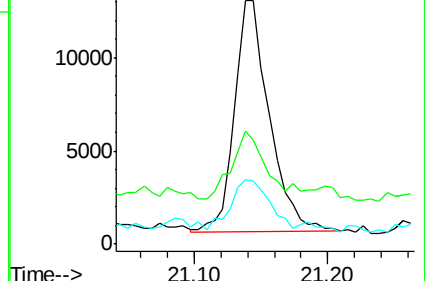
277 24.2 20.2 30.4

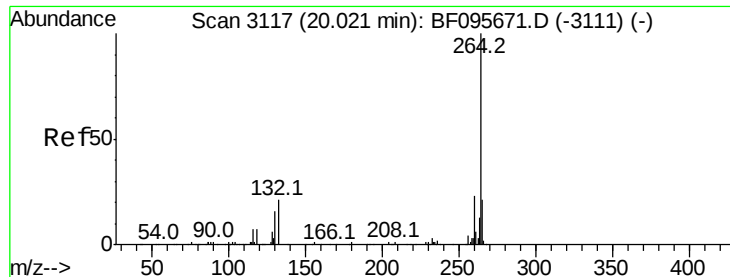


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

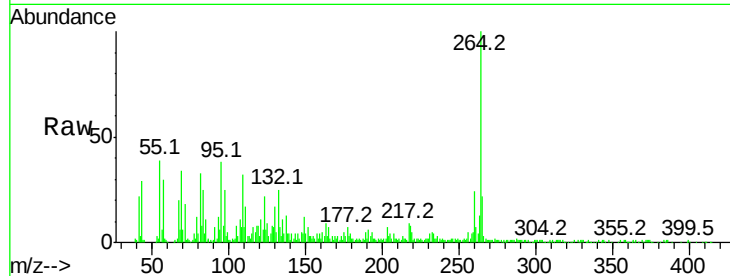




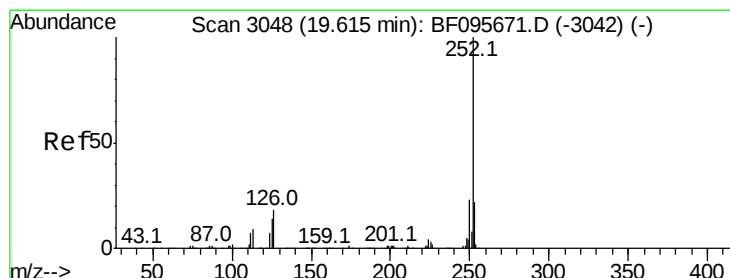
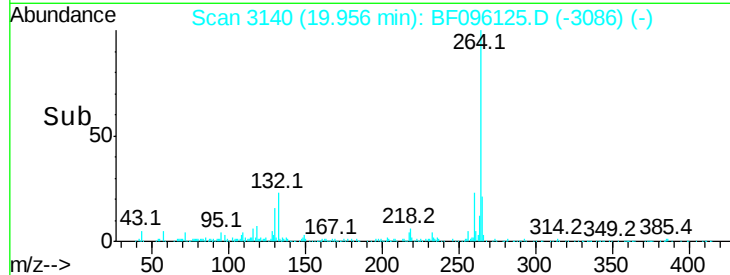
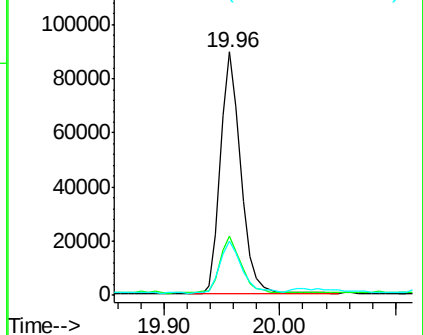
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.96 min Scan# 3140
Delta R.T. 0.02 min
Lab File: BF096125.D
Acq: 22 Jun 2017 16:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 110778
Ion Ratio Lower Upper
264 100
260 24.4 19.5 29.3
265 22.0 17.2 25.8

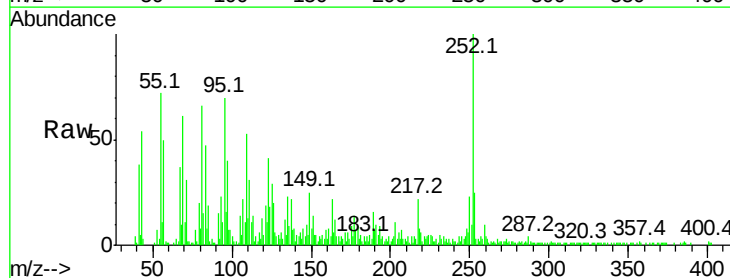


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

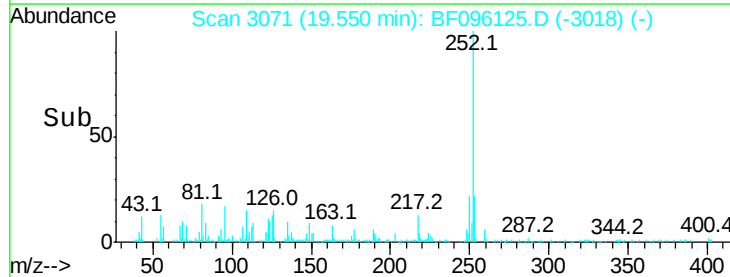
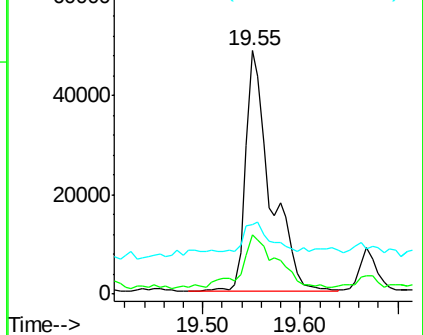


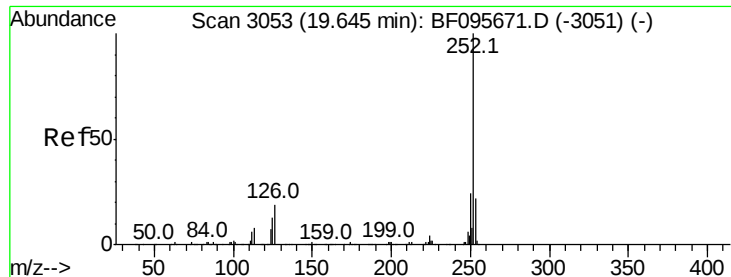
#87
Benzo(b)fluoranthene
Concen: 12.30 ng
RT: 19.55 min Scan# 3071
Delta R.T. 0.01 min
Lab File: BF096125.D
Acq: 22 Jun 2017 16:49

Tgt Ion:252 Resp: 85349
Ion Ratio Lower Upper
252 100
253 24.6 18.1 27.1
125 28.6 9.8 14.8#



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

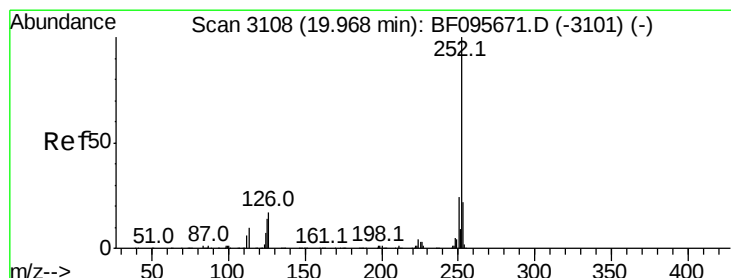
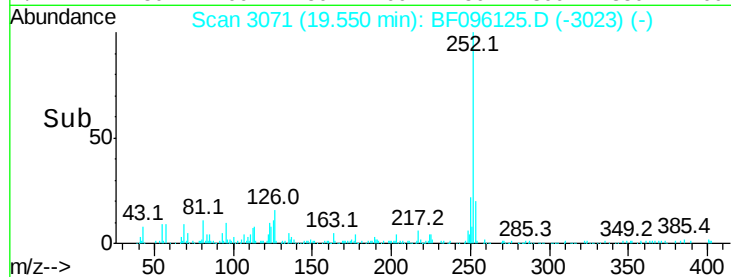
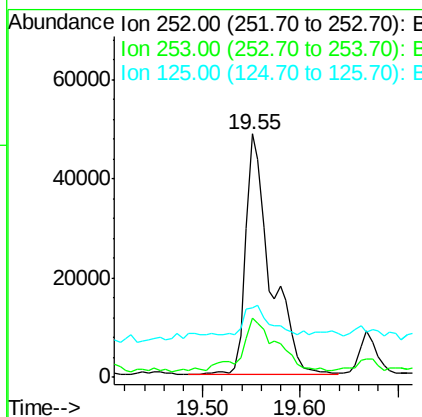
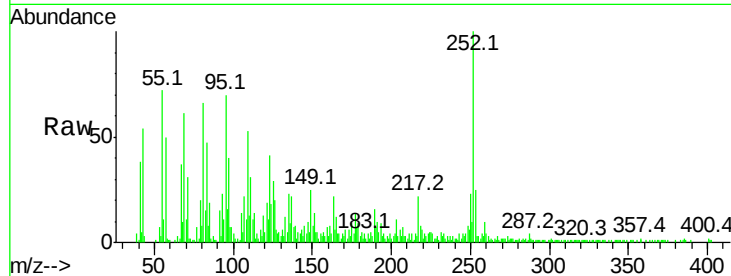




#88
Benzo(k)fluoranthene
Concen: 12.87 ng
RT: 19.55 min Scan# 3071
Delta R.T. -0.02 min
Lab File: BF096125.D
Acq: 22 Jun 2017 16:49

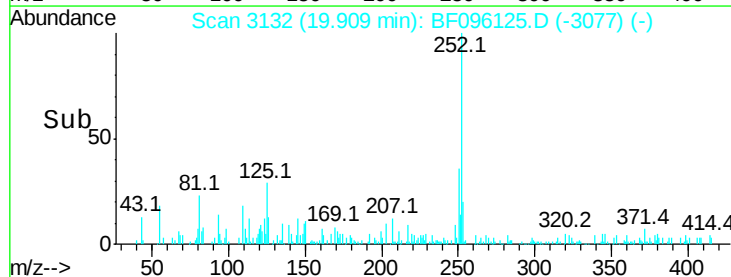
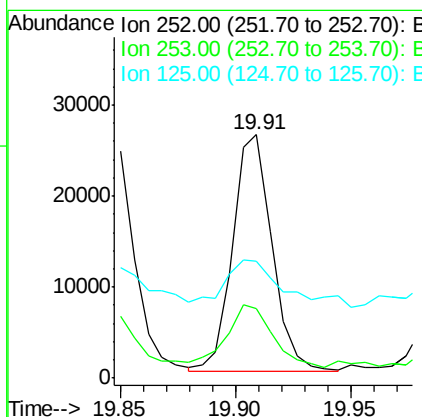
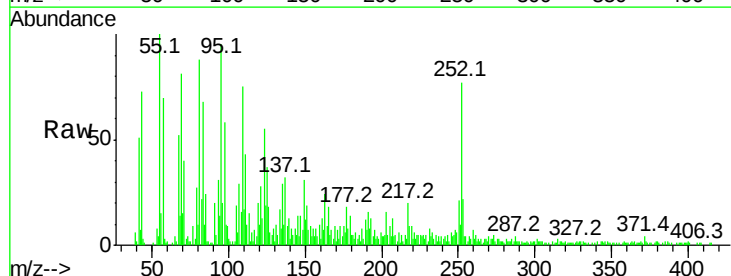
Instrument :
BNA_F
ClientSampleId :

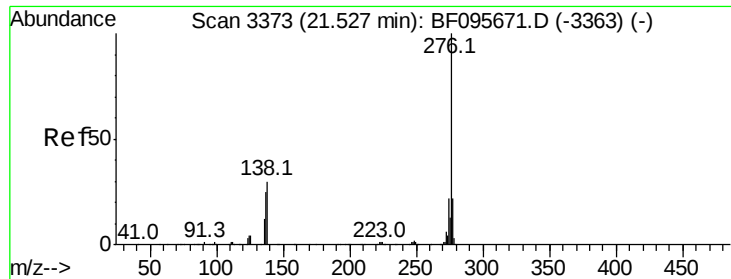
Tot Ion:252 Resp: 85349
Ion Ratio Lower Upper
252 100
253 24.6 18.4 27.6
125 28.6 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 4.85 ng
RT: 19.91 min Scan# 3132
Delta R.T. 0.02 min
Lab File: BF096125.D
Acq: 22 Jun 2017 16:49

Tgt Ion:252 Resp: 30934
Ion Ratio Lower Upper
252 100
253 28.4 17.5 26.3#
125 47.9 11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 3.84 ng

RT: 21.47 min Scan# 3398

Delta R.T. 0.05 min

Lab File: BF096125.D

Acq: 22 Jun 2017 16:49

Instrument :

BNA_F

ClientSampleId :

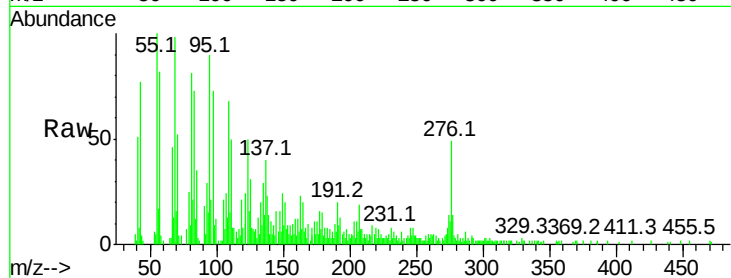
Tot Ion:276 Resp: 21166

Ion Ratio Lower Upper

276 100

277 28.8 18.6 28.0#

138 47.6 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

