

Data Path : Z:\HPCHEM1\BNA F\Data\BF051817\
 Data File : BF095258.D
 Acq On : 19 May 2017 11:01
 Operator : SJ/MA
 Sample : I3186-13
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 19 11:53:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	97405	20.00	ng	0.00
21) Naphthalene-d8	9.79	136	360703	20.00	ng	0.00
38) Acenaphthene-d10	12.63	164	156857	20.00	ng	0.01
63) Phenanthrene-d10	15.04	188	243404	20.00	ng	0.01
75) Chrysene-d12	18.69	240	171152	20.00	ng	0.00
86) Perylene-d12	20.37	264	166721	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.74	112	891852	152.65	ng	0.00
7) Phenol-d6	7.31	99	1068610	152.44	ng	0.00
23) Nitrobenzene-d5	8.67	82	621048	108.57	ng	0.00
41) 2,4,6-Tribromophenol	13.94	330	185936	144.74	ng	0.02
44) 2-Fluorobiphenyl	11.57	172	961618	88.24	ng	0.00
78) Terphenyl-d14	17.34	244	733771	94.43	ng	0.00

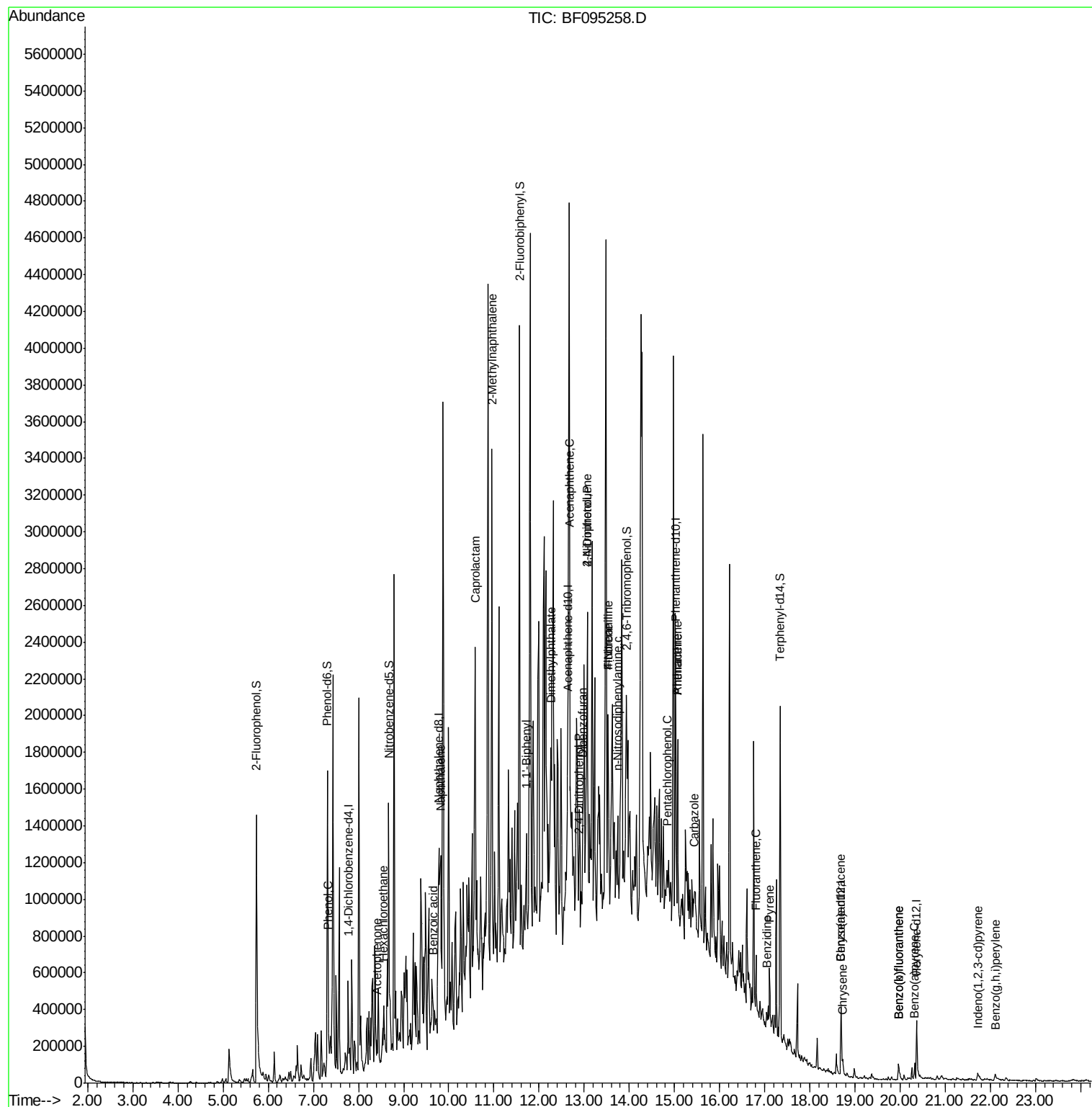
Target Compounds						Qvalue
10) Phenol	7.33	94	24694	3.34	ng	# 77
18) Hexachloroethane	8.56	117	10249	3.95	ng	# 1
22) Acetophenone	8.41	105	88096	10.18	ng	# 49
31) Naphthalene	9.82	128	465754	25.69	ng	100
32) Benzoic acid	9.65	122	4394	6.23	ng	# 26
35) Caprolactam	10.59	113	64257	43.33	ng	# 74
37) 2-Methylnaphthalene	10.96	142	1063579	89.39	ng	99
45) 1,1'-Biphenyl	11.72	154	88657	6.71	ng	92
49) Dimethylphthalate	12.25	163	223554	17.36	ng	# 99
51) Acenaphthene	12.68	154	75683	7.59	ng	97
53) 2,4-Dinitrophenol	12.88	184	263	6.41	ng	# 1
54) Dibenzofuran	12.97	168	97534	7.06	ng	# 81
55) 4-Nitrophenol	13.07	139	21932	12.95	ng	79
56) 2,4-Dinitrotoluene	13.07	165	29847	8.84	ng	# 58
57) Fluorene	13.52	166	145420	12.11	ng	# 92
61) 4-Nitroaniline	13.53	138	6370	2.46	ng	87
65) n-Nitrosodiphenylamine	13.74	169	154341	17.47	ng	# 59
69) Pentachlorophenol	14.83	266	232	6.04	ng	# 39
70) Phenanthrene	15.07	178	517250	36.99	ng	97
71) Anthracene	15.07	178	517250	36.21	ng	98
72) Carbazole	15.44	167	26813	2.06	ng	# 69
74) Fluoranthene	16.81	202	175530	12.24	ng	99
76) Benzidine	17.04	184	677	6.71	ng	# 1
77) Pyrene	17.11	202	156494	12.23	ng	94
80) Benzo(a)anthracene	18.68	228	36097	3.62	ng	97
82) Chrysene	18.73	228	43546	4.52	ng	96
85) Indeno(1,2,3-cd)pyrene	21.72	276	30597	3.91	ng	95
87) Benzo(b)fluoranthene	19.97	252	65897	6.40	ng	# 97
88) Benzo(k)fluoranthene	19.97	252	65897	6.63	ng	99
89) Benzo(a)pyrene	20.32	252	41201	4.33	ng	95
91) Benzo(g,h,i)perylene	22.11	276	30505	3.96	ng	99

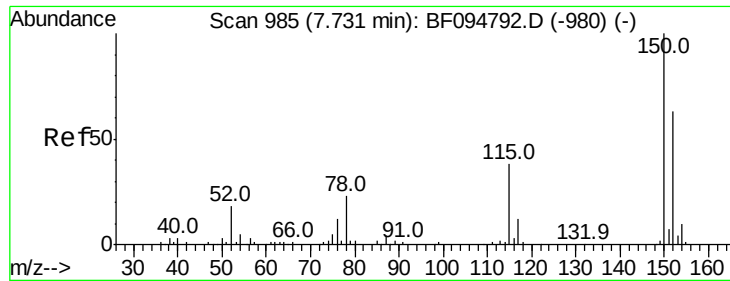
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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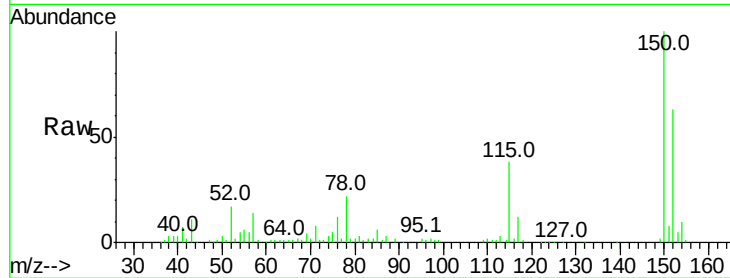


#1

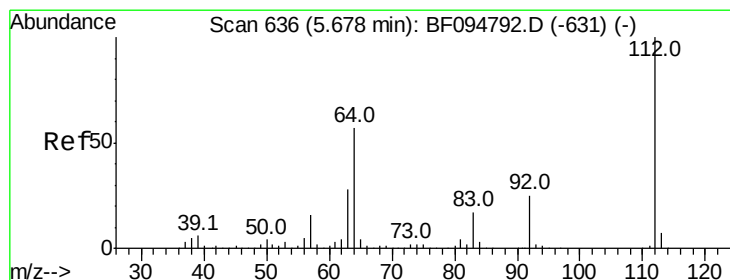
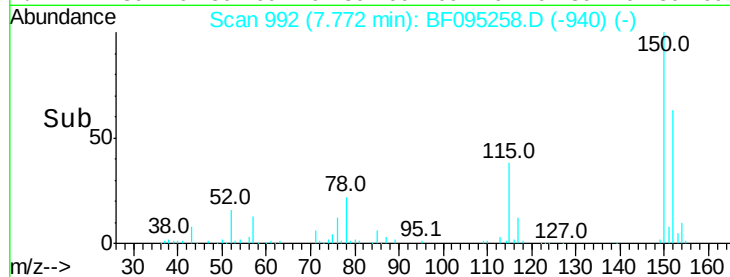
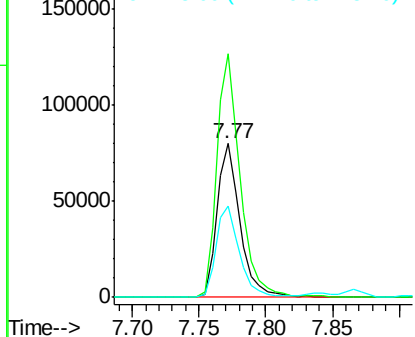
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 992
Delta R.T. 0.01 min
Lab File: BF095258.D
Acq: 19 May 2017 11:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 97405
Ion Ratio Lower Upper
152 100
150 158.1 126.2 189.2
115 59.3 52.2 78.2



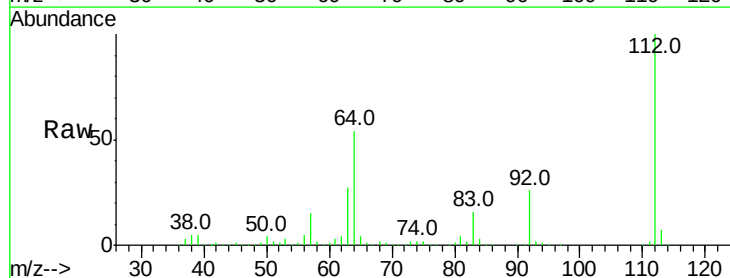
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



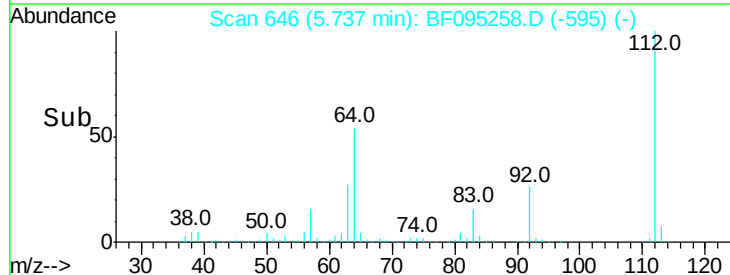
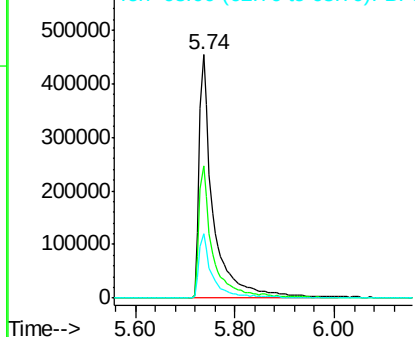
#5

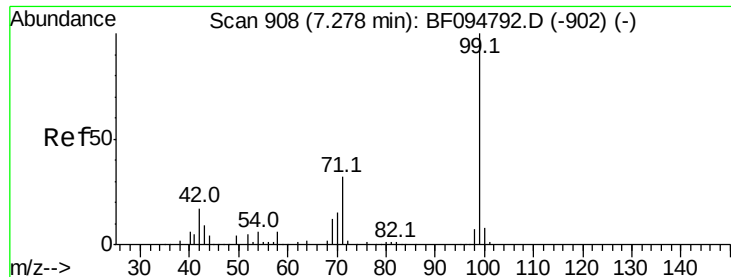
2-Fluorophenol
Concen: 152.65 ng
RT: 5.74 min Scan# 646
Delta R.T. 0.00 min
Lab File: BF095258.D
Acq: 19 May 2017 11:01

Tgt Ion:112 Resp: 891852
Ion Ratio Lower Upper
112 100
64 54.2 46.0 69.0
63 26.6 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: 152.44 ng

RT: 7.31 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

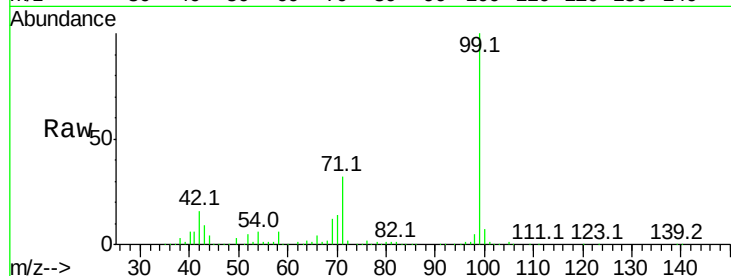
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1068610

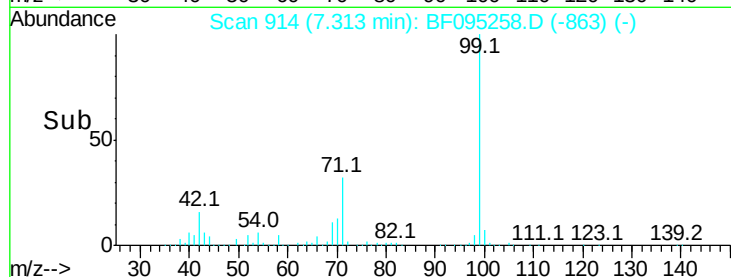
Ion	Ratio	Lower	Upper
99	100		
42	16.4	13.5	20.3
71	32.0	24.5	36.7



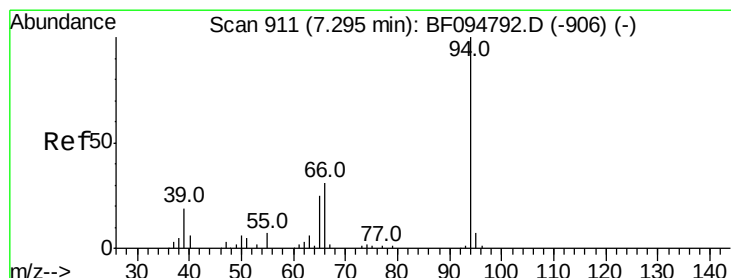
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->



#10

Phenol

Concen: 3.34 ng

RT: 7.33 min Scan# 917

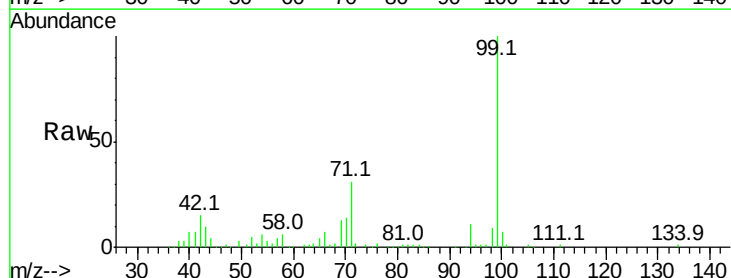
Delta R.T. 0.00 min

Lab File: BF095258.D

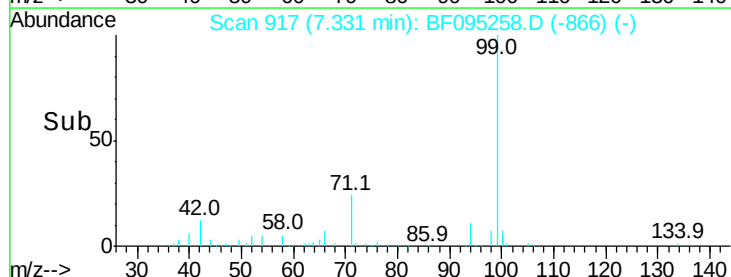
Acq: 19 May 2017 11:01

Tgt Ion: 94 Resp: 24694

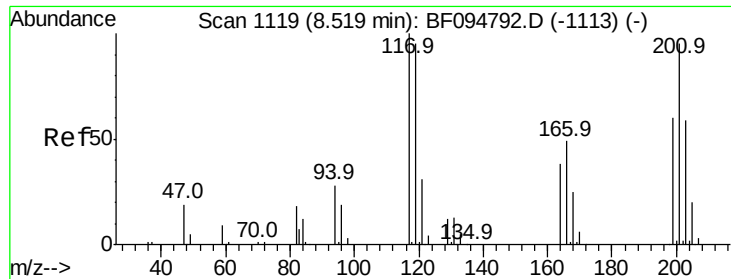
Ion	Ratio	Lower	Upper
94	100		
65	32.4	9.9	49.9
66	66.4	23.1	63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0



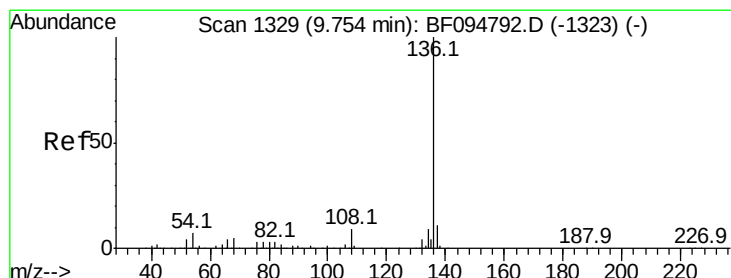
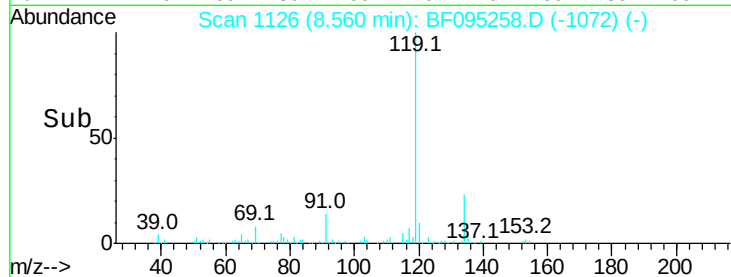
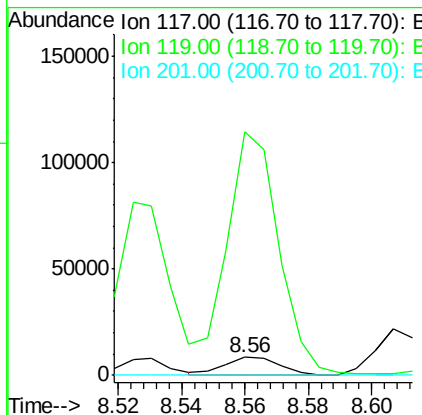
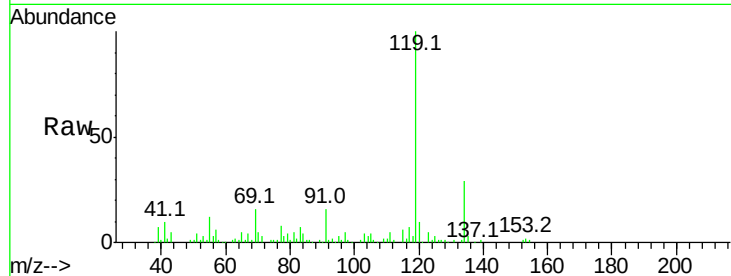
Time-->



#18
Hexachloroethane
Concen: 3.95 ng
RT: 8.56 min Scan# 1126
Delta R.T. 0.02 min
Lab File: BF095258.D
Acq: 19 May 2017 11:01

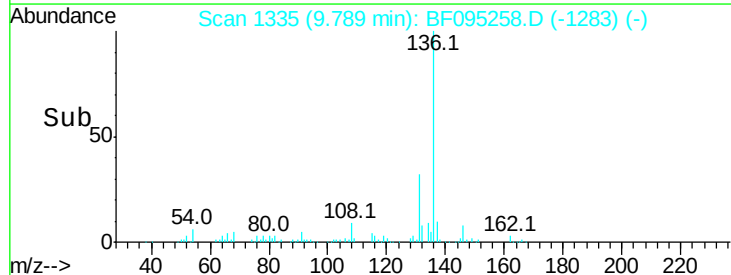
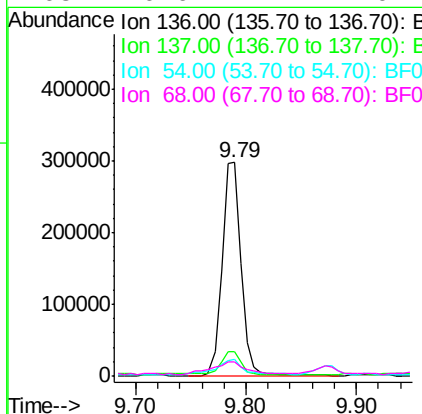
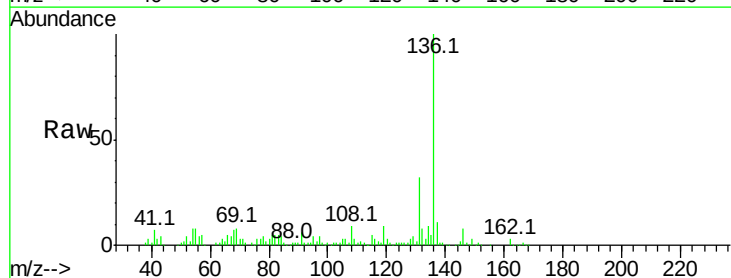
Instrument :
BNA_F
ClientSampleId :

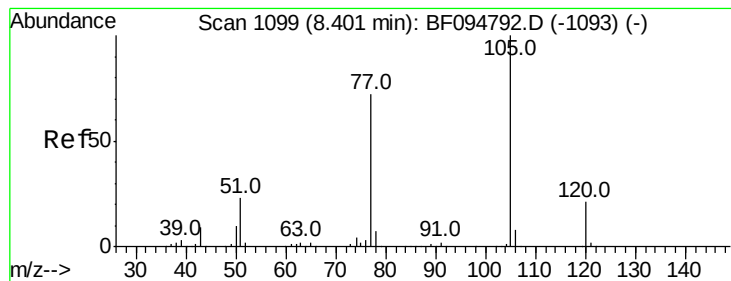
Tot Ion:117 Resp: 10249
Ion Ratio Lower Upper
117 100
119 1371.0 77.4 116.0#
201 0.0 94.6 141.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.79 min Scan# 1335
Delta R.T. 0.01 min
Lab File: BF095258.D
Acq: 19 May 2017 11:01

Tgt Ion:136 Resp: 360703
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 7.5 4.9 7.3#
68 6.6 4.1 6.1#





#22

Acetophenone

Concen: 10.18 ng

RT: 8.41 min Scan# 1100

Delta R.T. -0.04 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:105 Resp: 88096

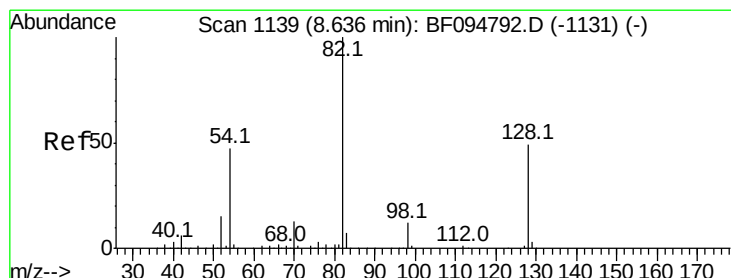
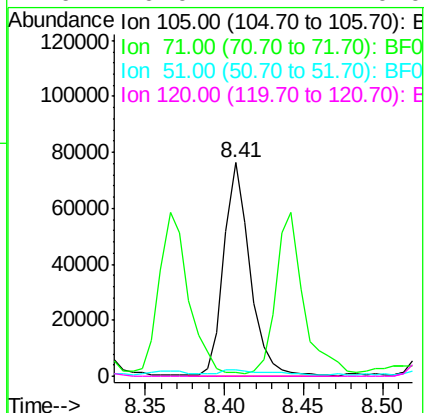
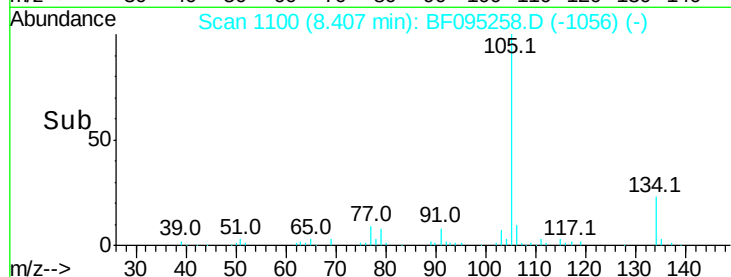
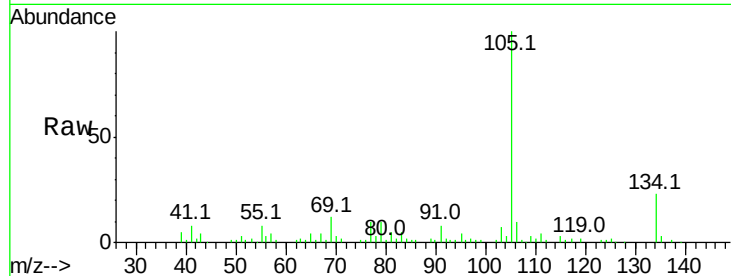
Ion Ratio Lower Upper

105 100

71 1.6 2.8 4.2#

51 3.2 30.7 46.1#

120 0.0 17.4 26.0#



#23

Nitrobenzene-d5

Concen: 108.57 ng

RT: 8.67 min Scan# 1145

Delta R.T. 0.00 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

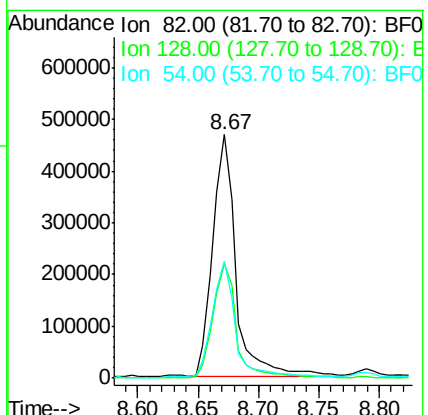
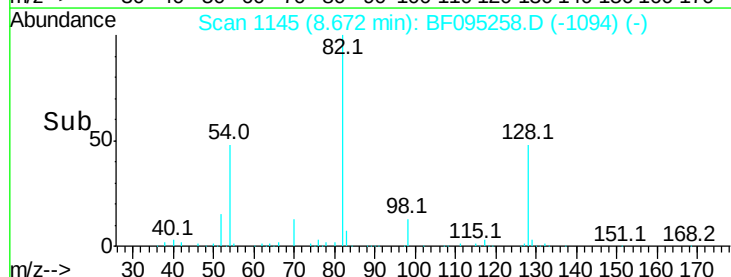
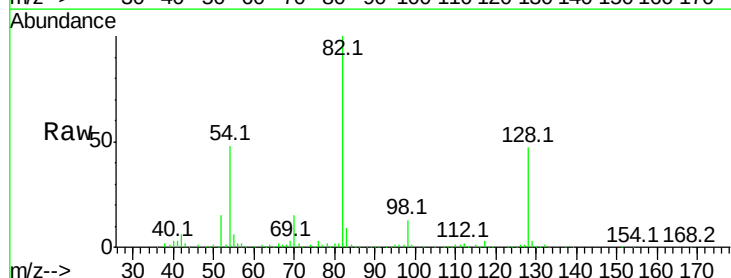
Tgt Ion: 82 Resp: 621048

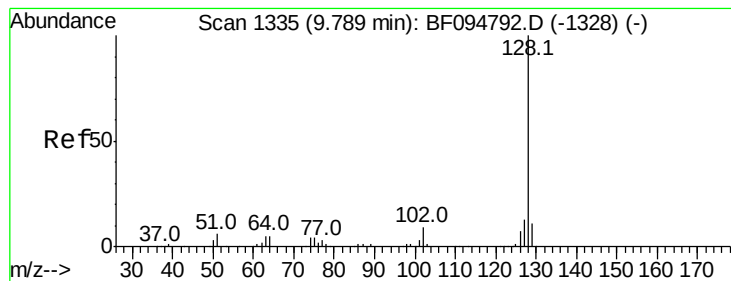
Ion Ratio Lower Upper

82 100

128 47.2 34.0 51.0

54 47.9 42.2 63.2





#31

Naphthalene

Concen: 25.69 ng

RT: 9.82 min Scan# 1340

Delta R.T. 0.00 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

Instrument :

BNA_F

ClientSampleId :

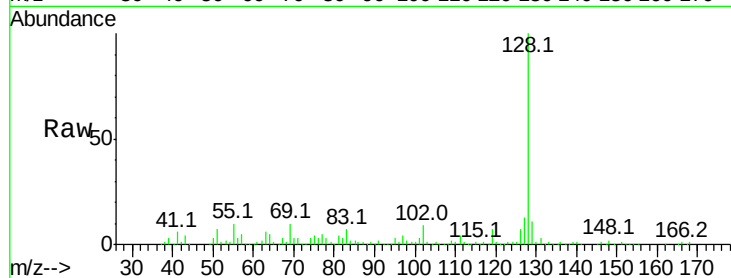
Tot Ion:128 Resp: 465754

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

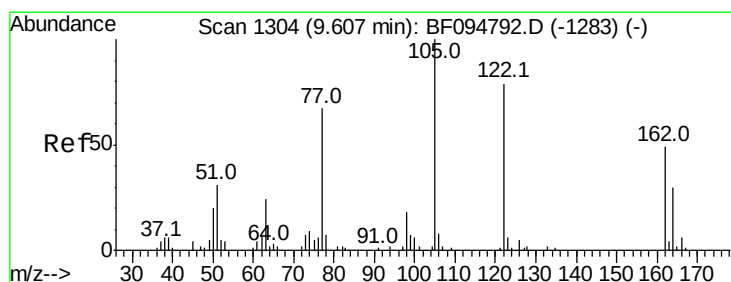
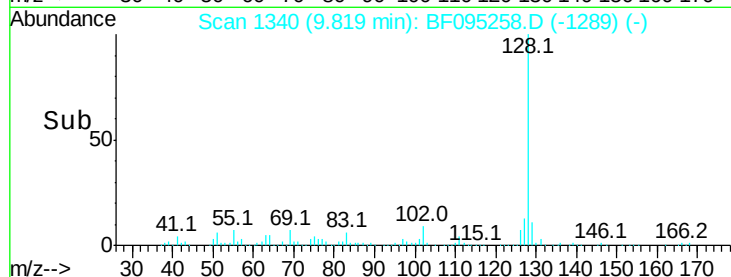
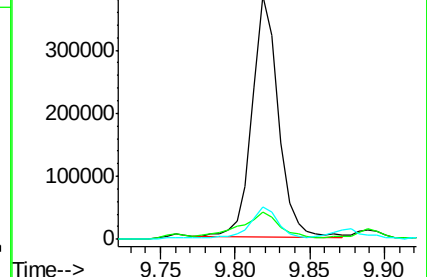
127 13.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 6.23 ng

RT: 9.65 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

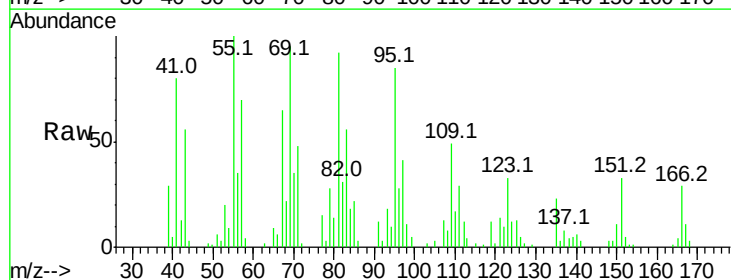
Tgt Ion:122 Resp: 4394

Ion Ratio Lower Upper

122 100

105 32.0 103.3 143.3#

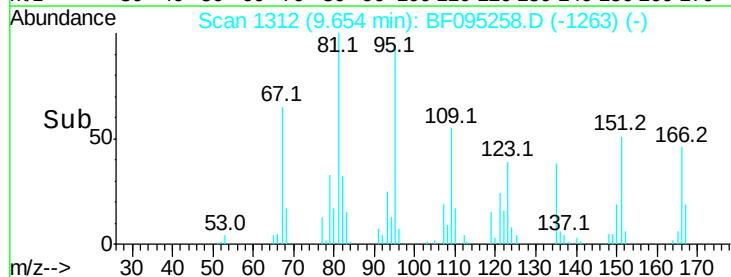
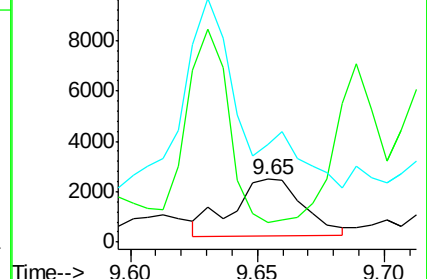
77 155.6 73.7 113.7#

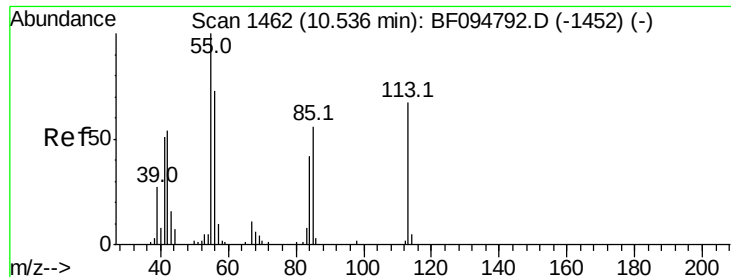


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#35

Caprolactam

Concen: 43.33 ng

RT: 10.59 min Scan# 1471

Delta R.T. -0.01 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

Instrument :

BNA_F

ClientSampled :

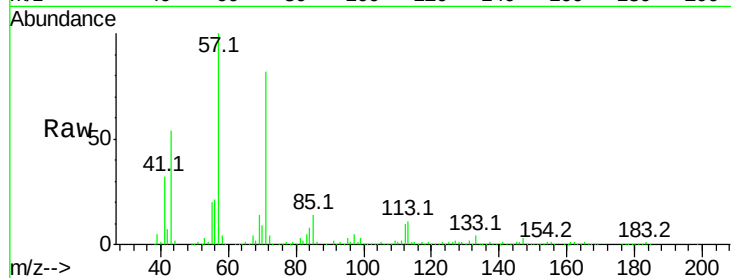
Tot Ion:113 Resp: 64257

Ion Ratio Lower Upper

113 100

55 177.0 150.2 190.2

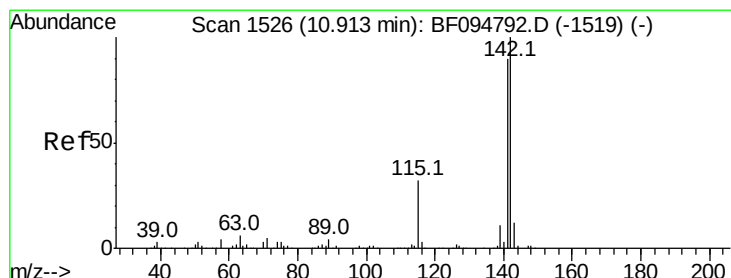
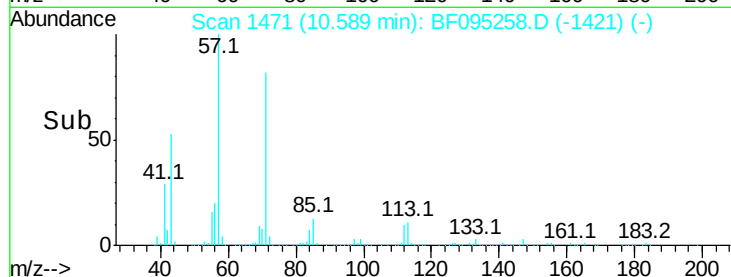
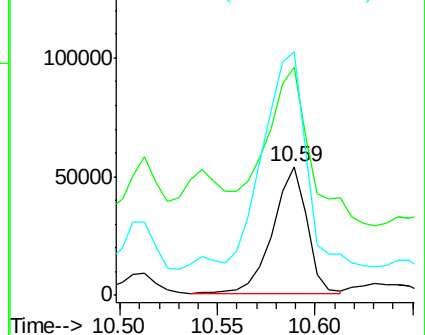
56 188.8 107.8 147.8#



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



#37

2-Methylnaphthalene

Concen: 89.39 ng

RT: 10.96 min Scan# 1534

Delta R.T. 0.02 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

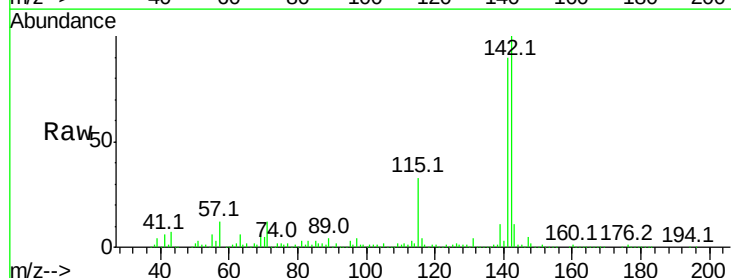
Tgt Ion:142 Resp: 1063579

Ion Ratio Lower Upper

142 100

141 90.2 71.3 106.9

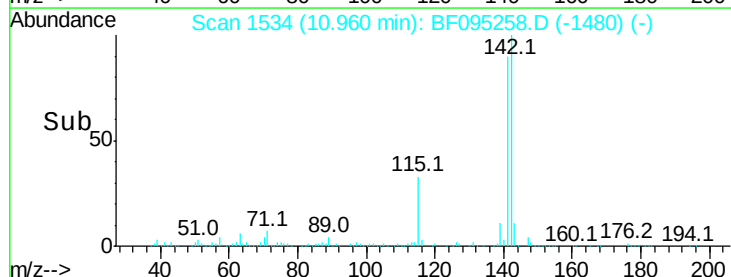
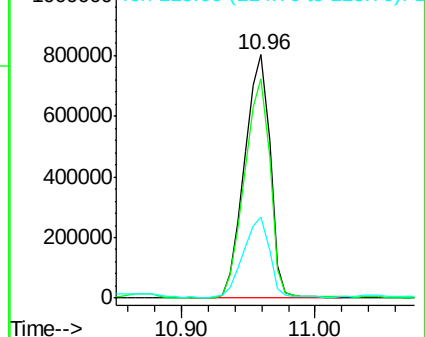
115 33.3 27.1 40.7

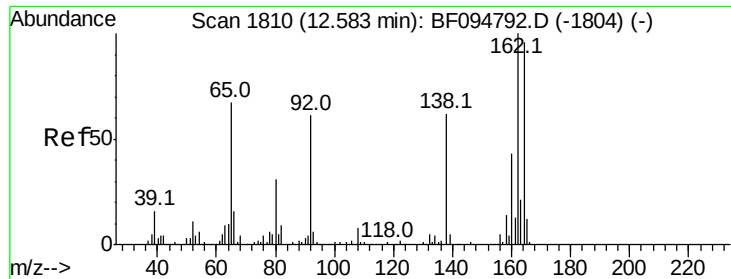


Abundance Ion 142.00 (141.70 to 142.70): E

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: 12.63 min Scan# 1818

Delta R.T. 0.01 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

Instrument :

BNA_F

ClientSampleId :

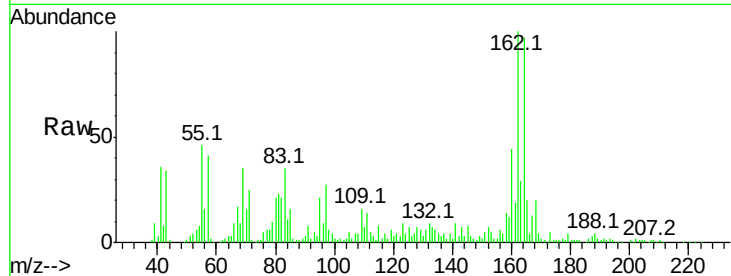
Tot Ion:164 Resp: 156857

Ion Ratio Lower Upper

164 100

162 103.3 82.6 123.8

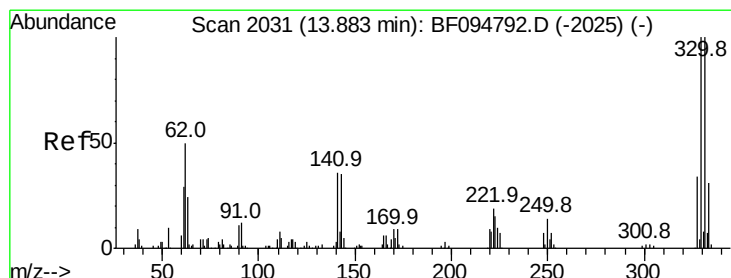
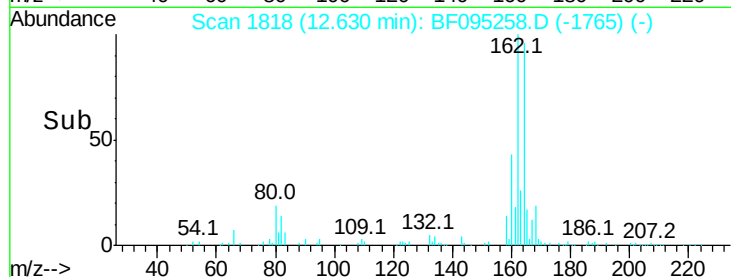
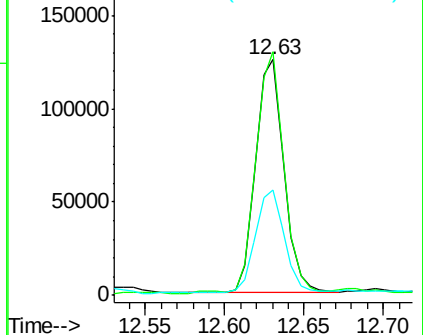
160 45.0 36.2 54.2



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: 144.74 ng

RT: 13.94 min Scan# 2040

Delta R.T. 0.02 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

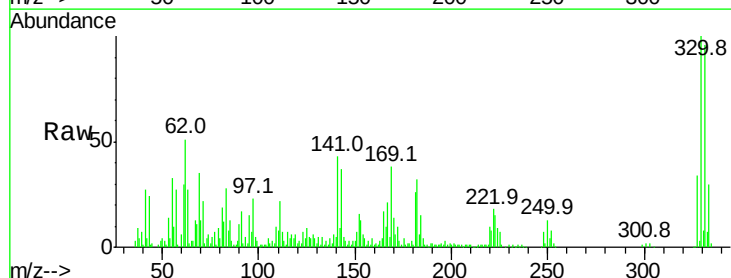
Tgt Ion:330 Resp: 185936

Ion Ratio Lower Upper

330 100

332 95.4 76.6 115.0

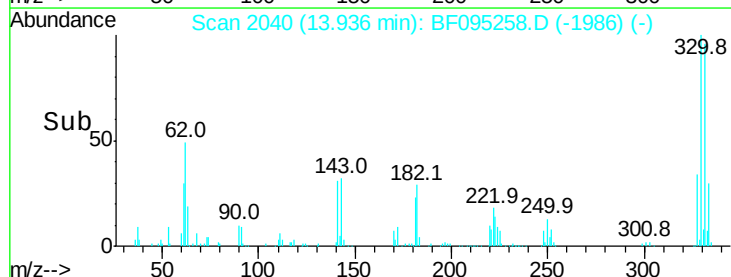
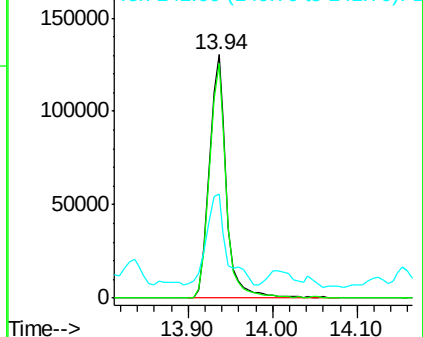
141 46.7 31.4 47.2

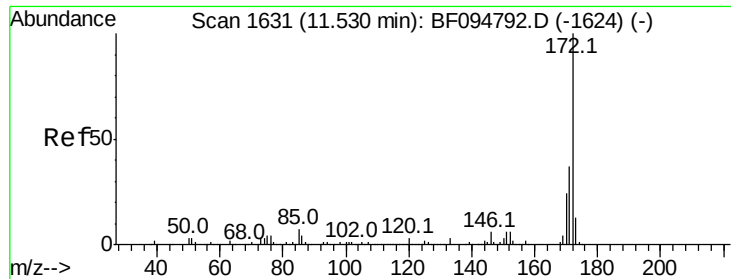


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

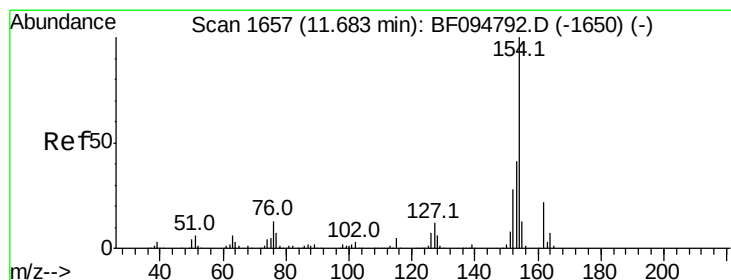
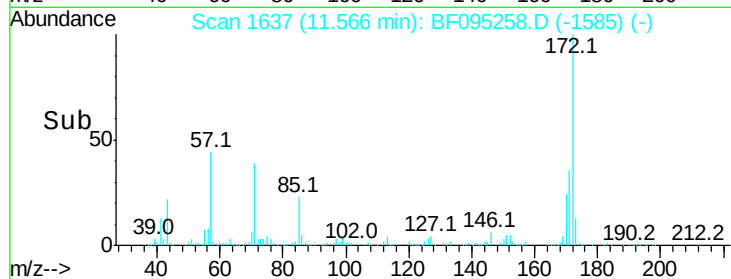
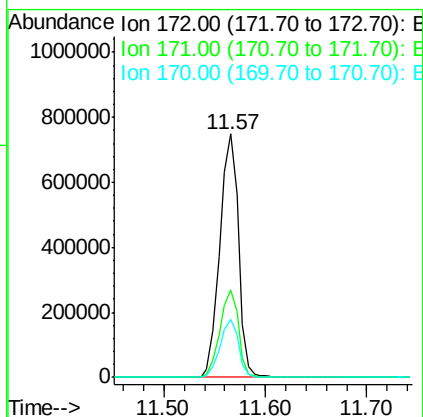
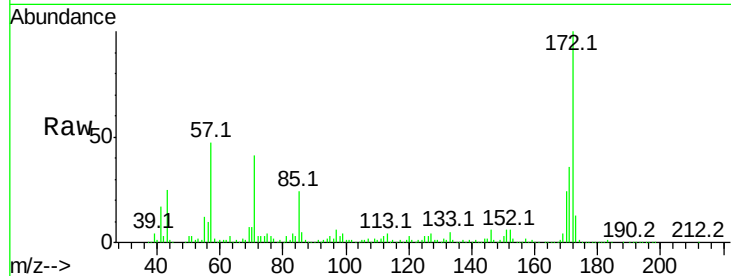




#44
2-Fluorobiphenyl
Concen: 88.24 ng
RT: 11.57 min Scan# 1637
Delta R.T. 0.01 min
Lab File: BF095258.D
Acq: 19 May 2017 11:01

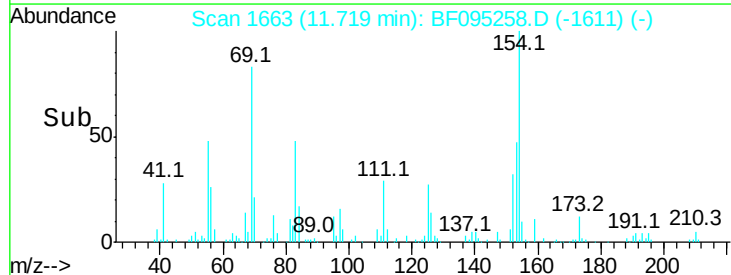
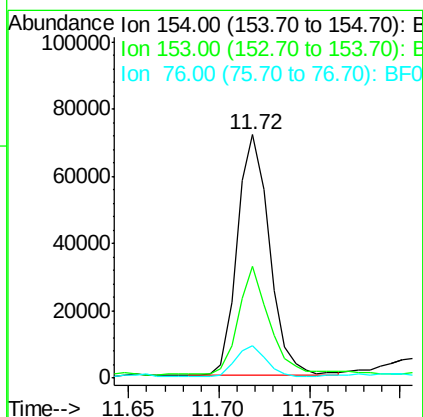
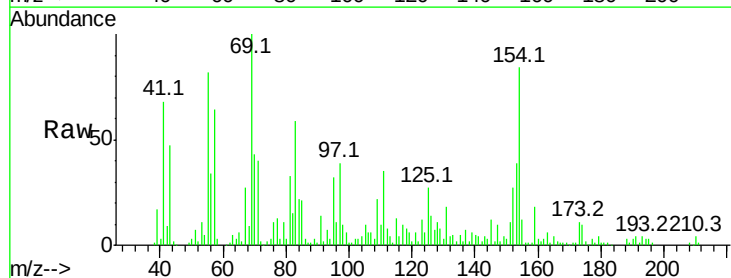
Instrument :
BNA_F
ClientSampled :

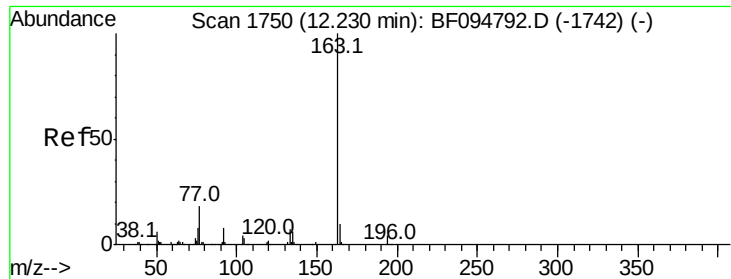
Tot Ion:172 Resp: 961618
Ion Ratio Lower Upper
172 100
171 35.9 29.6 44.4
170 23.7 19.8 29.8



#45
1,1'-Biphenyl
Concen: 6.71 ng
RT: 11.72 min Scan# 1663
Delta R.T. 0.01 min
Lab File: BF095258.D
Acq: 19 May 2017 11:01

Tgt Ion:154 Resp: 88657
Ion Ratio Lower Upper
154 100
153 46.1 21.2 61.2
76 13.4 0.0 29.9

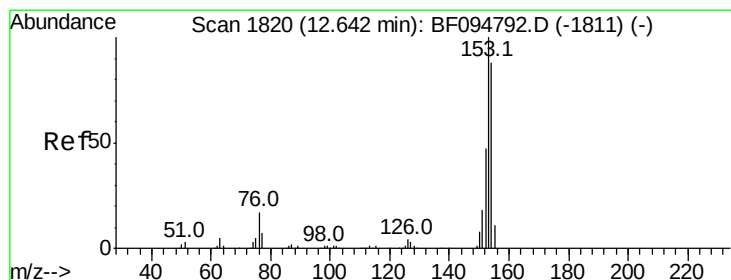
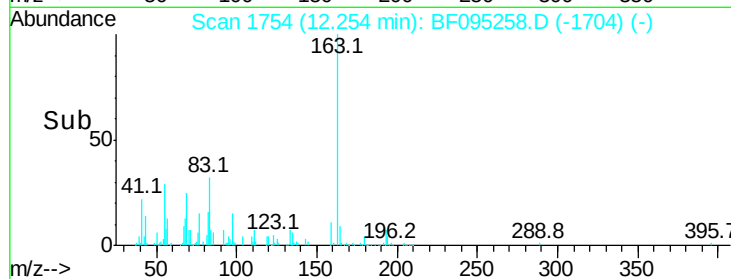
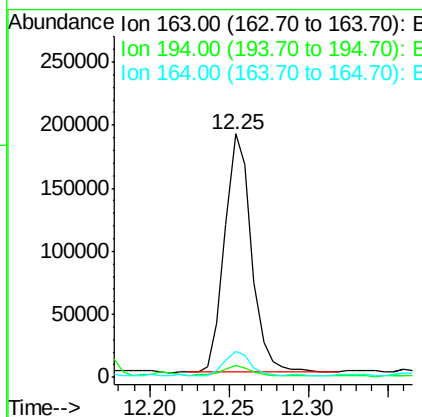
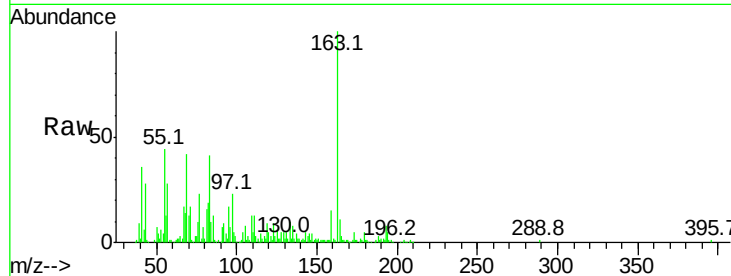




#49
Dimethylphthalate
Concen: 17.36 ng
RT: 12.25 min Scan# 1754
Delta R.T. -0.01 min
Lab File: BF095258.D
Acq: 19 May 2017 11:01

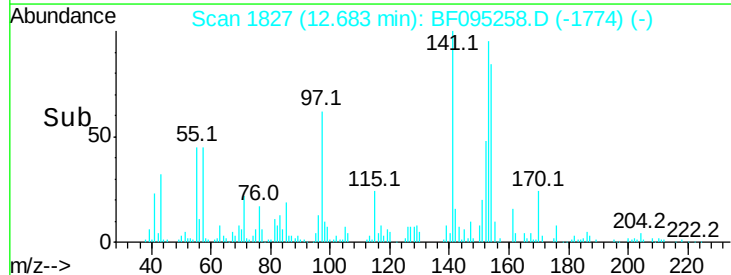
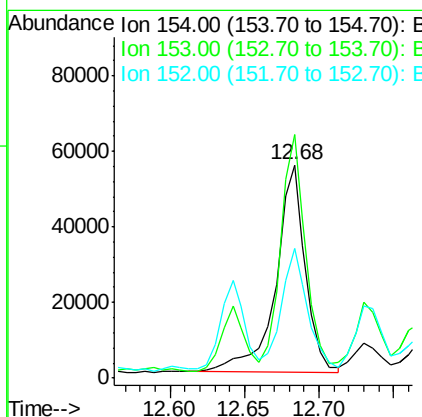
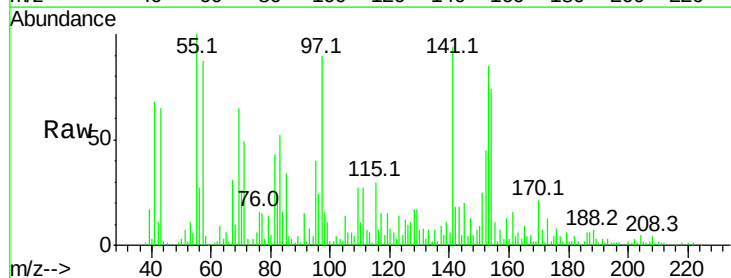
Instrument :
BNA_F
ClientSampleId :

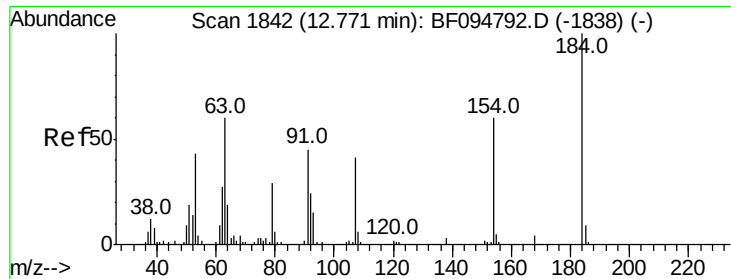
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.7	2.6	4.0#
164	10.5	8.4	12.6



#51
Acenaphthene
Concen: 7.59 ng
RT: 12.68 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF095258.D
Acq: 19 May 2017 11:01

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.0	90.5	135.7
152	60.7	43.6	65.4

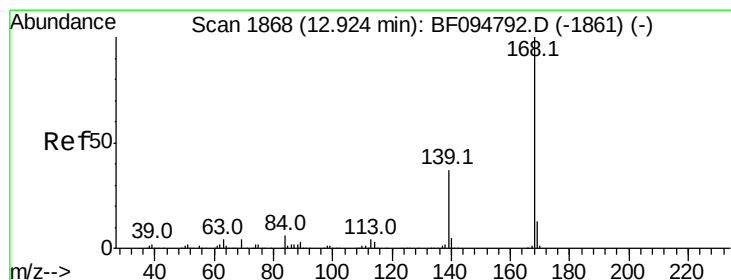
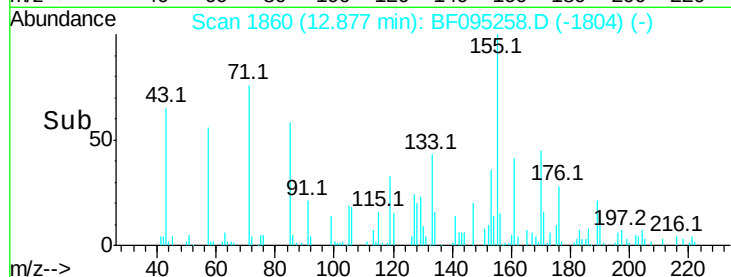
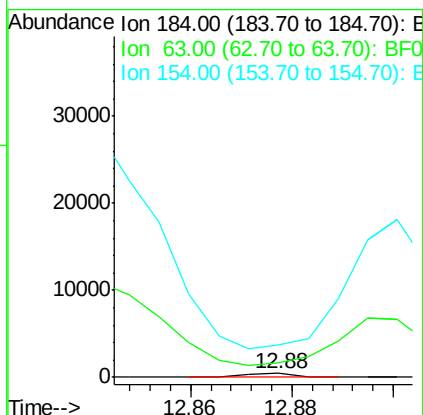
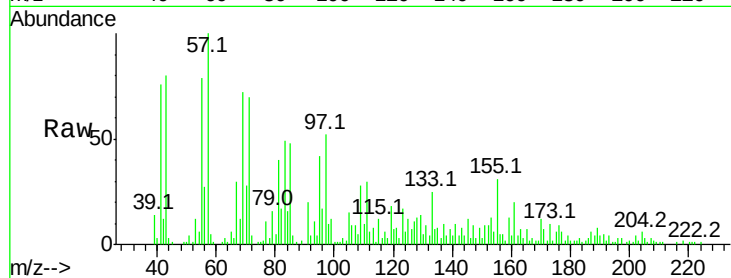




#53
 2,4-Dinitrophenol
 Concen: 6.41 ng
 RT: 12.88 min Scan# 1860
 Delta R.T. 0.03 min
 Lab File: BF095258.D
 Acq: 19 May 2017 11:01

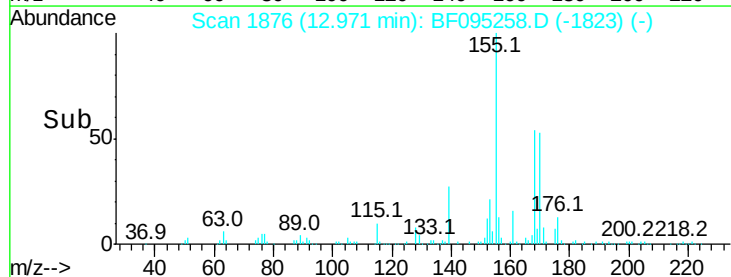
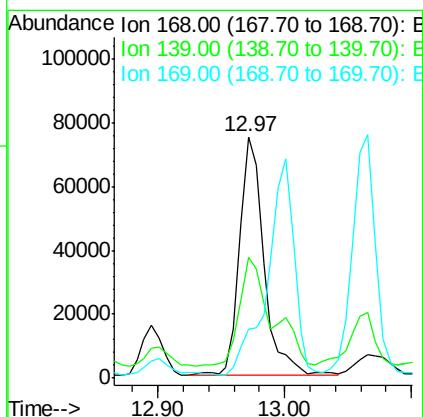
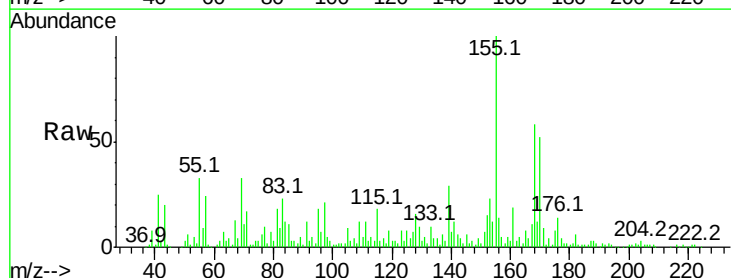
Instrument :
 BNA_F
 ClientSampleId :

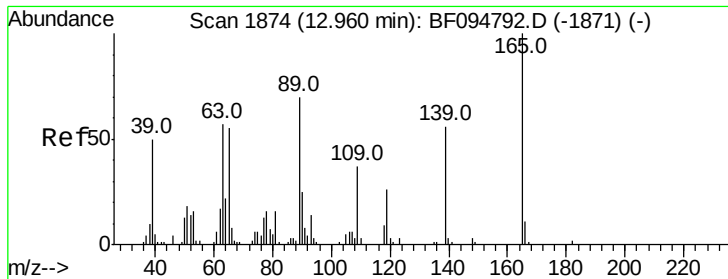
Tot Ion:184 Resp: 263
 Ion Ratio Lower Upper
 184 100
 63 388.7 62.7 94.1#
 154 868.5 81.1 121.7#



#54
 Dibenzofuran
 Concen: 7.06 ng
 RT: 12.97 min Scan# 1876
 Delta R.T. 0.01 min
 Lab File: BF095258.D
 Acq: 19 May 2017 11:01

Tgt Ion:168 Resp: 97534
 Ion Ratio Lower Upper
 168 100
 139 50.1 30.6 45.8#
 169 20.1 10.8 16.2#





#55

4-Nitrophenol

Concen: 12.95 ng

RT: 13.07 min Scan# 1892

Delta R.T. 0.03 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

Instrument :

BNA_F

ClientSampled :

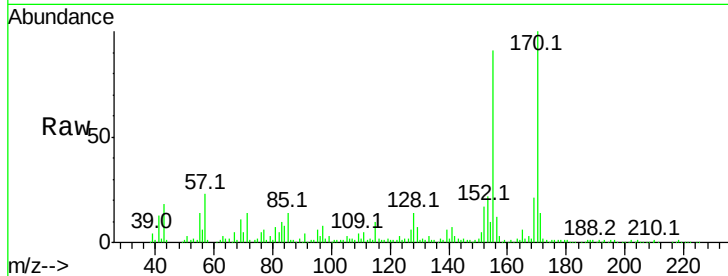
Tot Ion:139 Resp: 21932

Ion Ratio Lower Upper

139 100

109 69.6 34.1 74.1

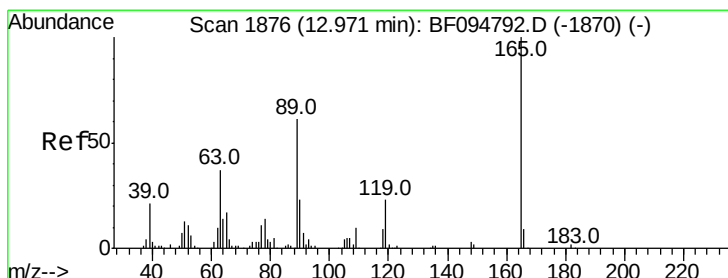
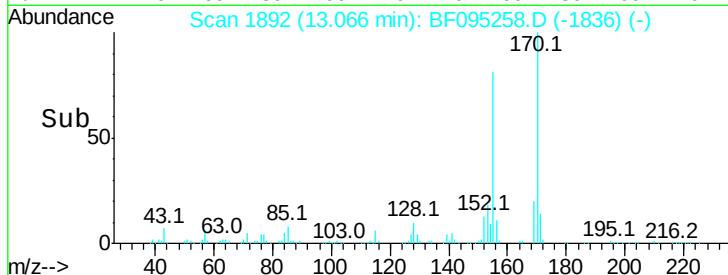
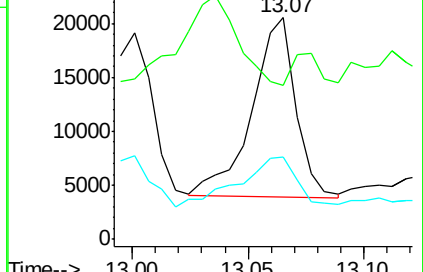
65 37.2 31.4 71.4



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 8.84 ng

RT: 13.07 min Scan# 1892

Delta R.T. 0.04 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

Tgt Ion:165 Resp: 29847

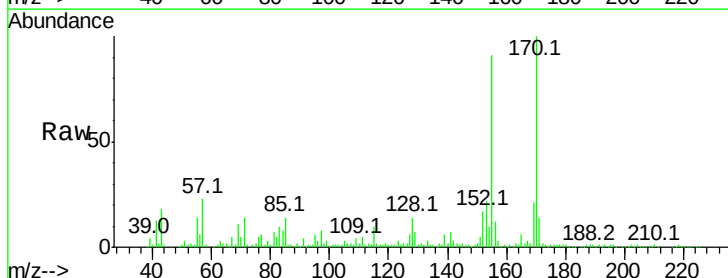
Ion Ratio Lower Upper

165 100

63 59.5 25.4 38.0#

89 29.6 46.4 69.6#

182 7.5 1.8 2.6#

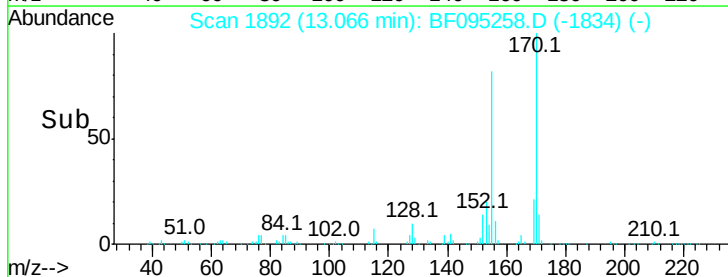
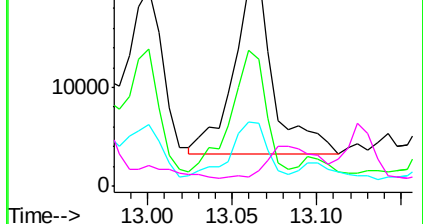


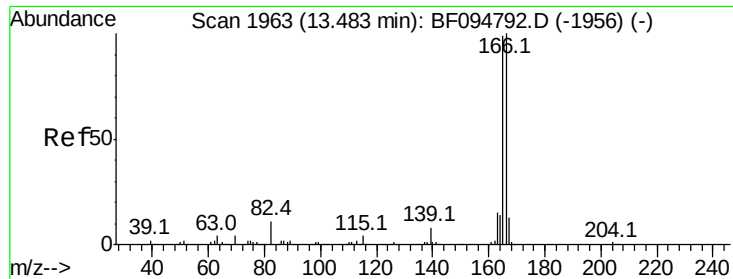
Abundance Ion 165.00 (164.70 to 165.70): E

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

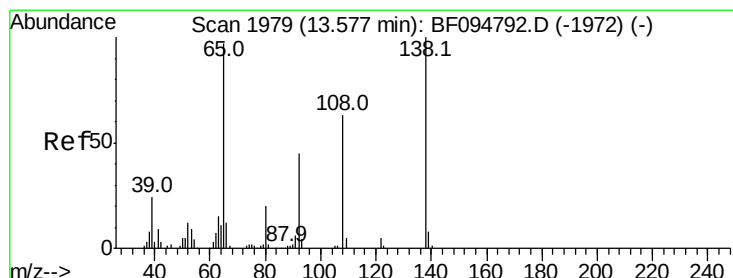
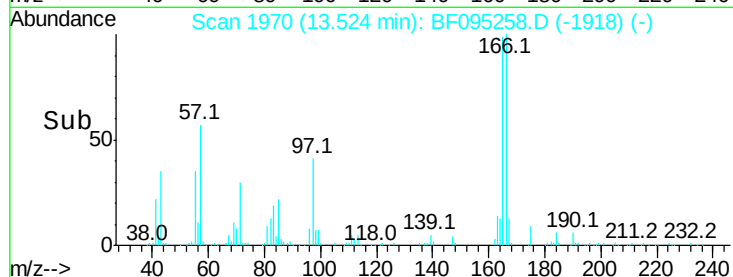
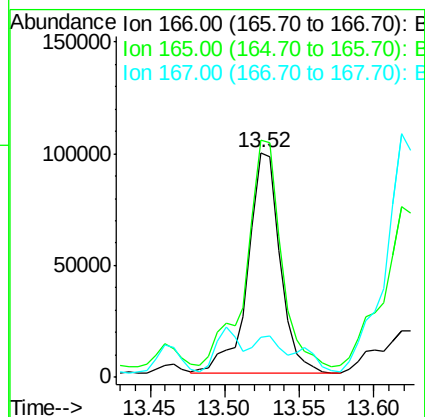
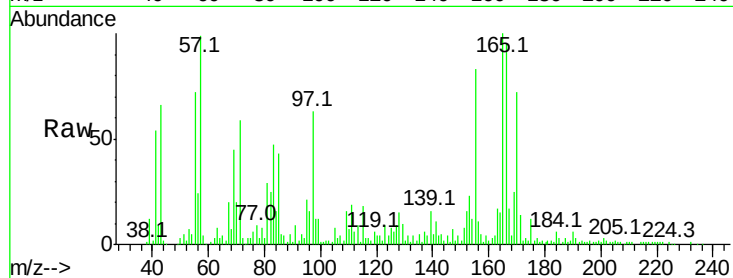




#57
 Fluorene
 Concen: 12.11 ng
 RT: 13.52 min Scan# 1970
 Delta R.T. 0.01 min
 Lab File: BF095258.D
 Acq: 19 May 2017 11:01

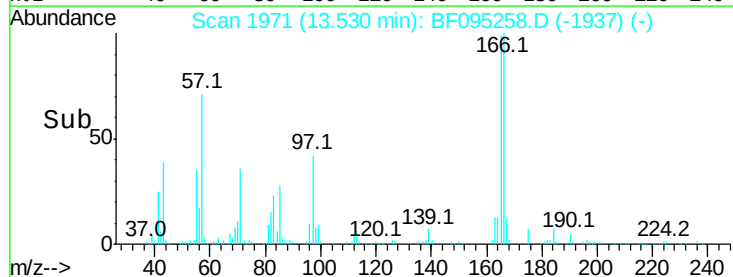
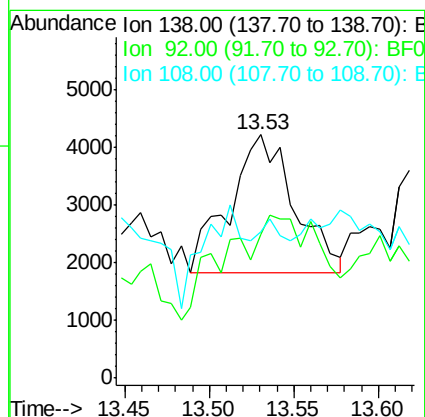
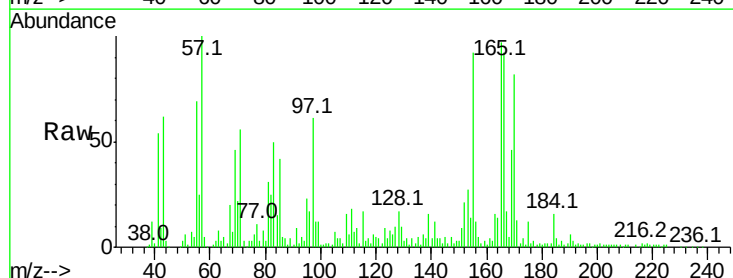
Instrument :
 BNA_F
 ClientSampleId :

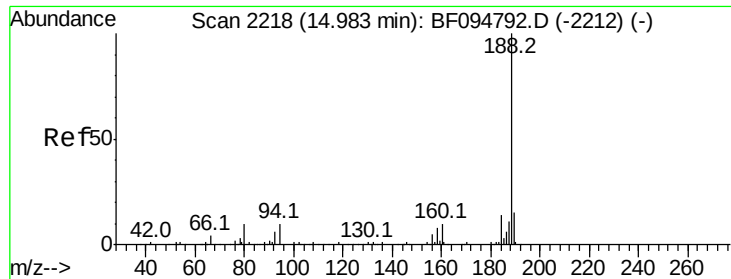
Tot Ion:166 Resp: 145420
 Ion Ratio Lower Upper
 166 100
 165 105.7 78.8 118.2
 167 17.9 10.6 16.0#



#61
 4-Nitroaniline
 Concen: 2.46 ng
 RT: 13.53 min Scan# 1971
 Delta R.T. -0.10 min
 Lab File: BF095258.D
 Acq: 19 May 2017 11:01

Tgt Ion:138 Resp: 6370
 Ion Ratio Lower Upper
 138 100
 92 59.2 21.8 61.8
 108 60.1 42.3 82.3

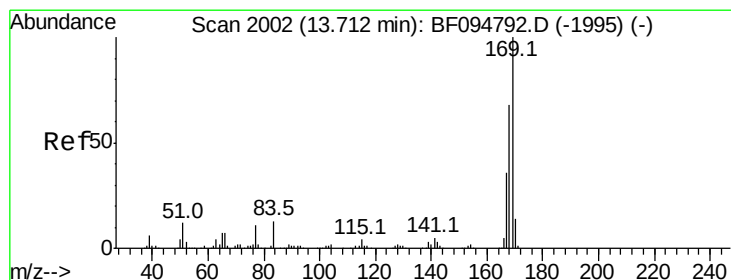
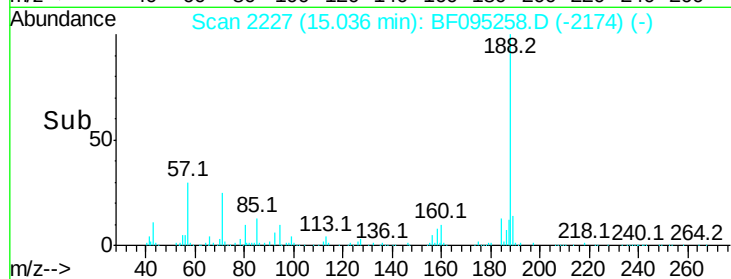
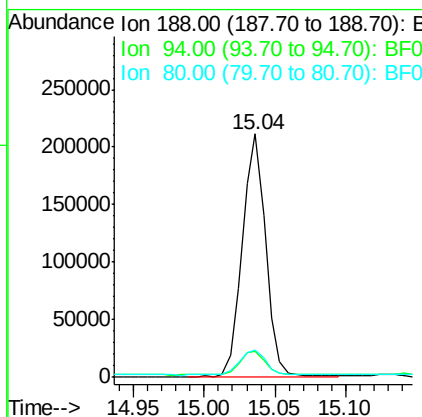
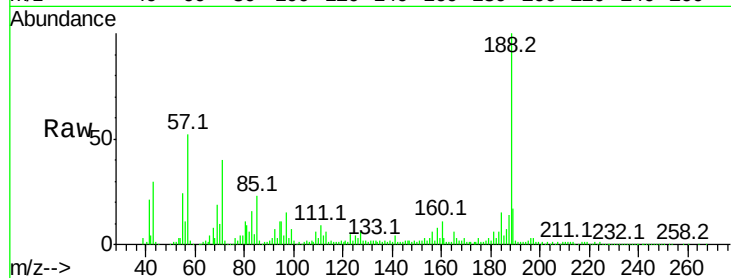




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.04 min Scan# 2227
 Delta R.T. 0.01 min
 Lab File: BF095258.D
 Acq: 19 May 2017 11:01

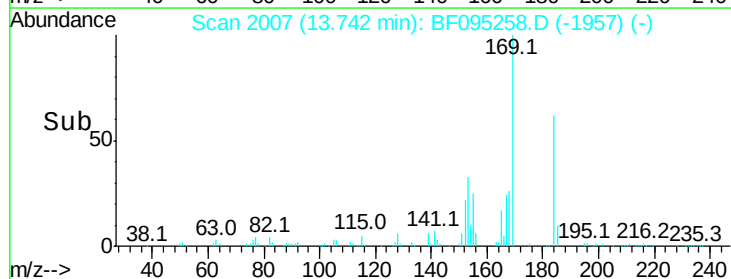
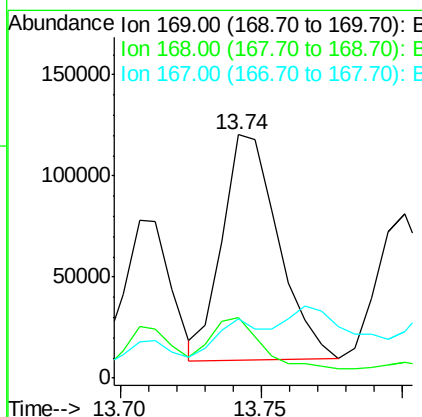
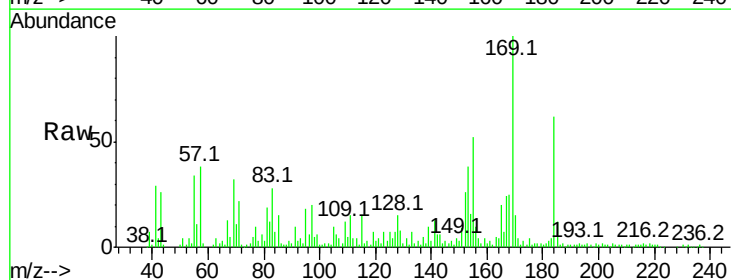
Instrument :
 BNA_F
 ClientSampled :

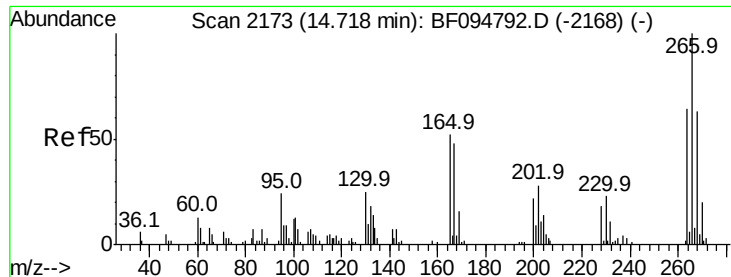
Tot Ion:188 Resp: 243404
 Ion Ratio Lower Upper
 188 100
 94 10.9 9.4 14.2
 80 11.3 10.2 15.2



#65
 n-Nitrosodiphenylamine
 Concen: 17.47 ng
 RT: 13.74 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF095258.D
 Acq: 19 May 2017 11:01

Tgt Ion:169 Resp: 154341
 Ion Ratio Lower Upper
 169 100
 168 24.8 53.2 79.8#
 167 24.3 29.5 44.3#

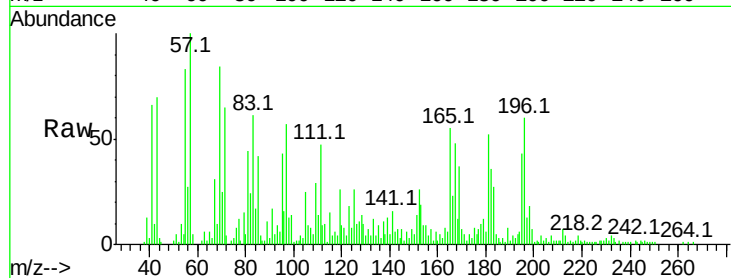




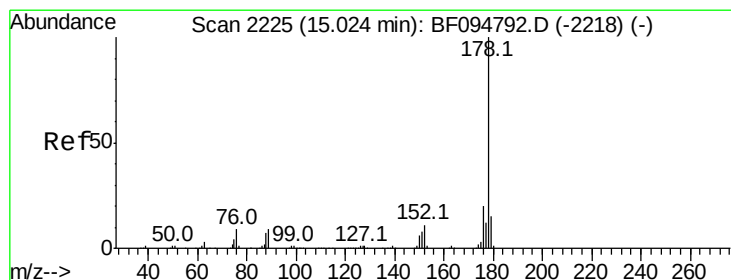
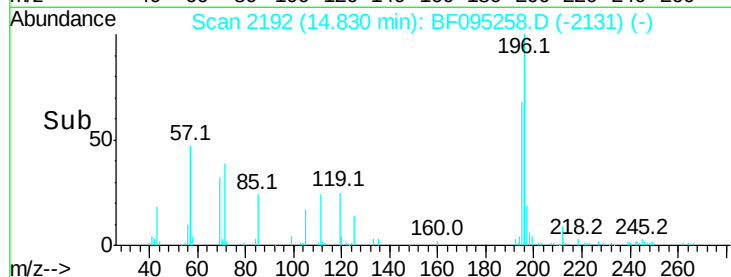
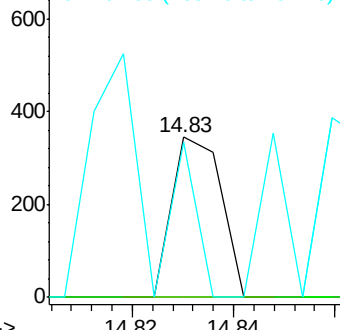
#69
 Pentachlorophenol
 Concen: 6.04 ng
 RT: 14.83 min Scan# 2192
 Delta R.T. 0.06 min
 Lab File: BF095258.D
 Acq: 19 May 2017 11:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:266 Resp: 232
 Ion Ratio Lower Upper
 266 100
 268 0.0 51.1 76.7#
 264 96.8 51.7 77.5#

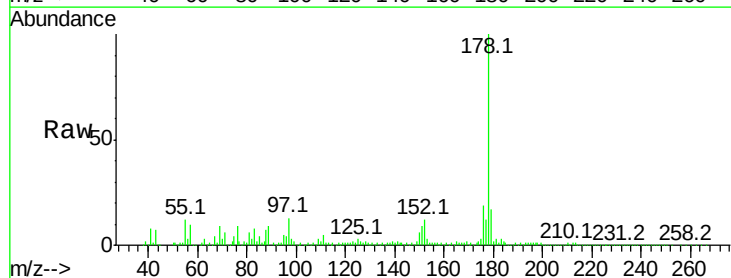


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

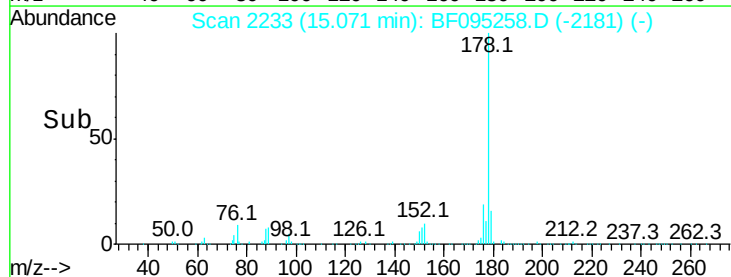
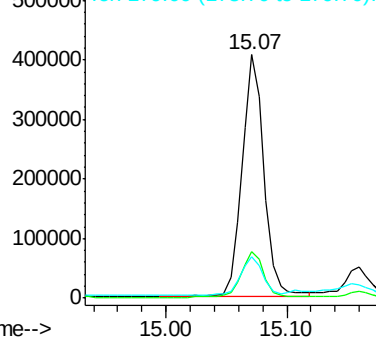


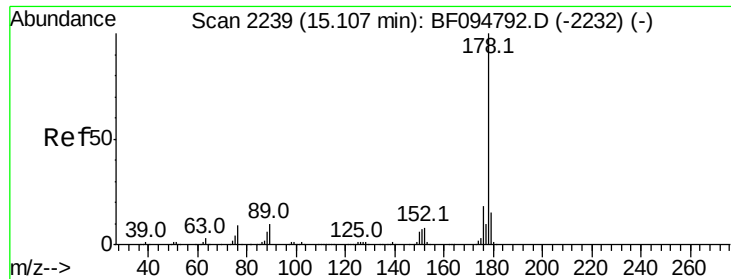
#70
 Phenanthrene
 Concen: 36.99 ng
 RT: 15.07 min Scan# 2233
 Delta R.T. 0.01 min
 Lab File: BF095258.D
 Acq: 19 May 2017 11:01

Tgt Ion:178 Resp: 517250
 Ion Ratio Lower Upper
 178 100
 176 19.1 16.2 24.4
 179 17.0 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: 36.21 ng

RT: 15.07 min Scan# 2233

Delta R.T. -0.07 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

Instrument :

BNA_F

ClientSampled :

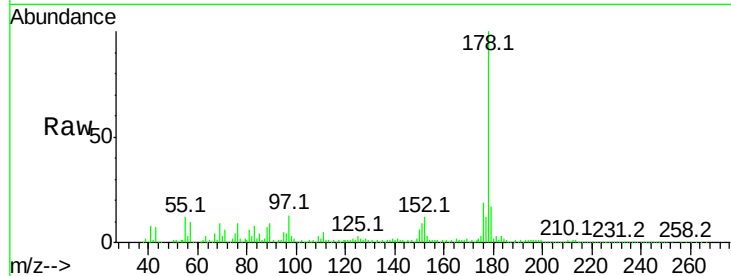
Tot Ion:178 Resp: 517250

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

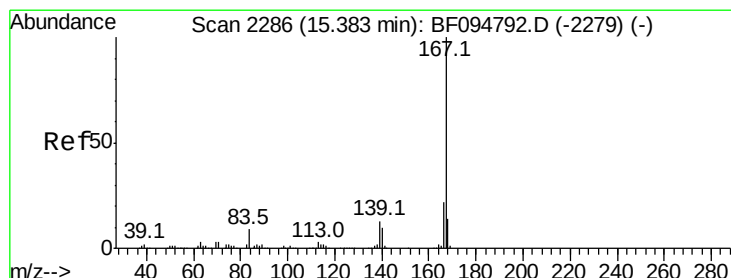
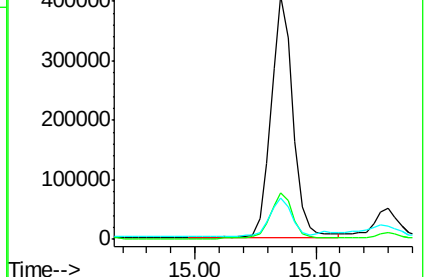
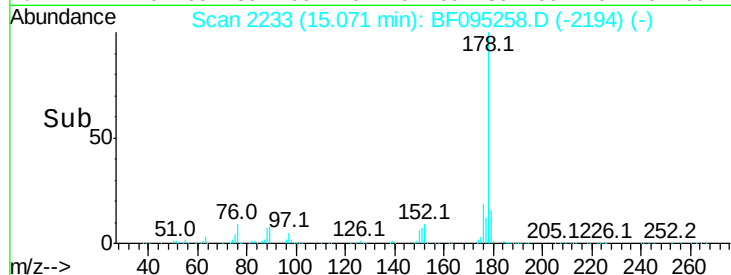
179 17.0 12.7 19.1



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: 2.06 ng

RT: 15.44 min Scan# 2296

Delta R.T. 0.02 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

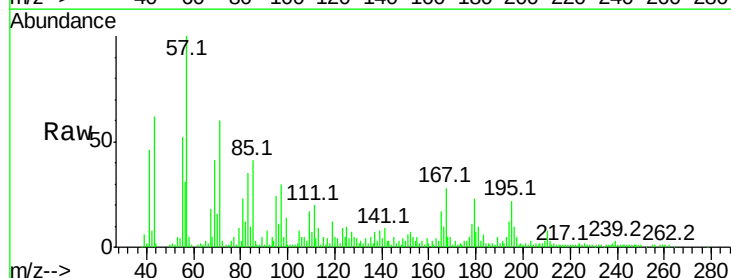
Tgt Ion:167 Resp: 26813

Ion Ratio Lower Upper

167 100

166 36.3 18.1 27.1#

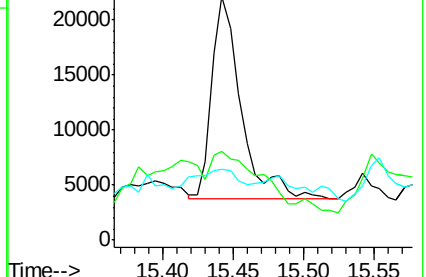
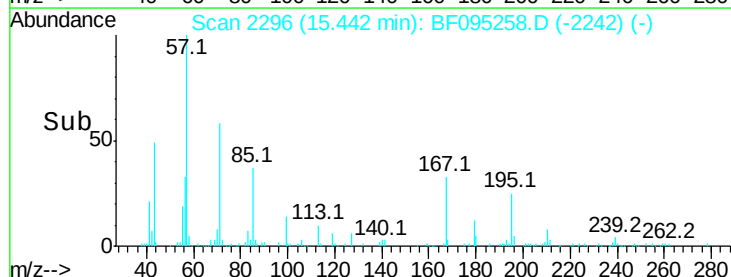
139 29.0 11.7 17.5#

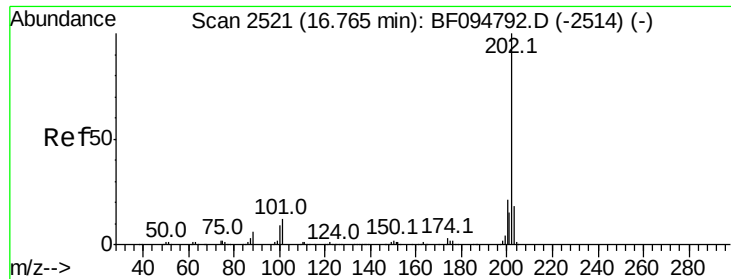


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 12.24 ng

RT: 16.81 min Scan# 2528

Delta R.T. 0.01 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

Instrument :

BNA_F

ClientSampleId :

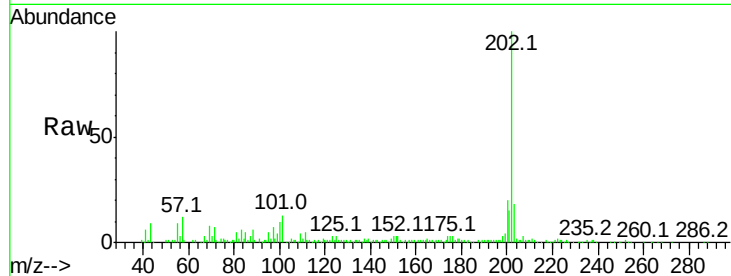
Tot Ion:202 Resp: 175530

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.2

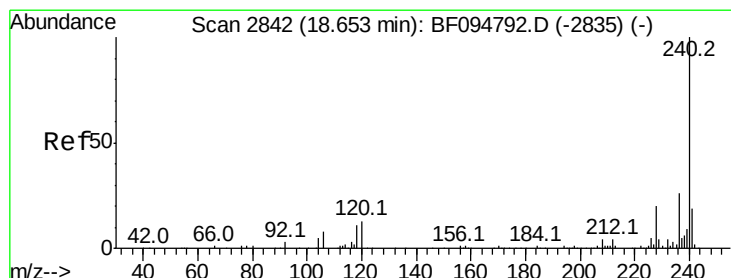
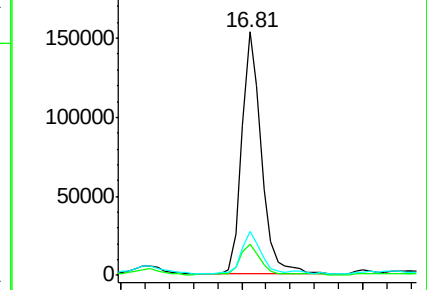
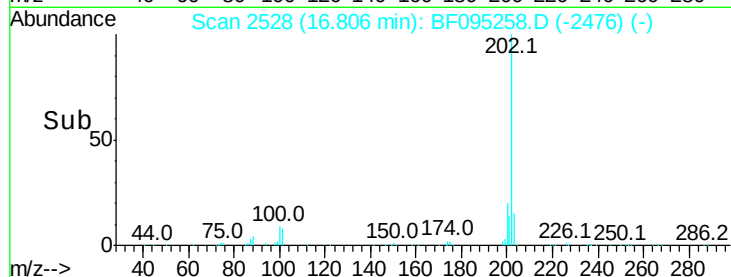
203 17.9 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.69 min Scan# 2849

Delta R.T. 0.00 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

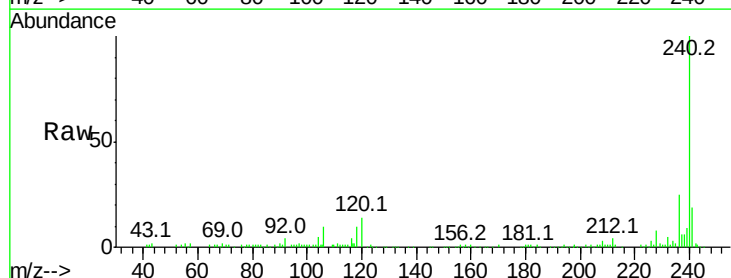
Tgt Ion:240 Resp: 171152

Ion Ratio Lower Upper

240 100

120 13.7 5.8 8.8#

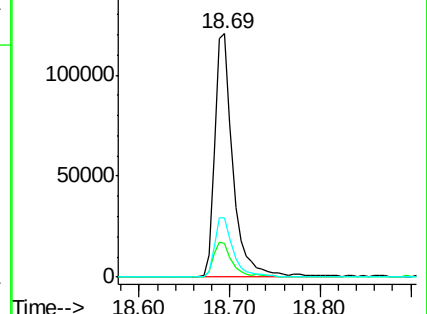
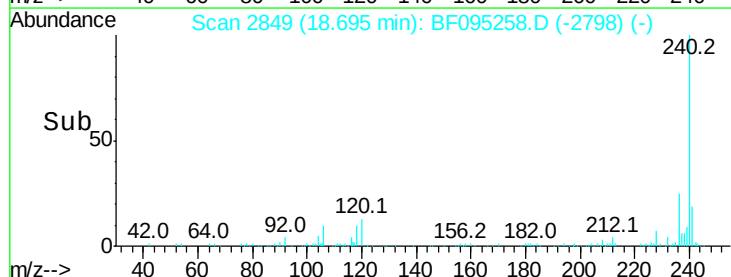
236 24.5 20.5 30.7

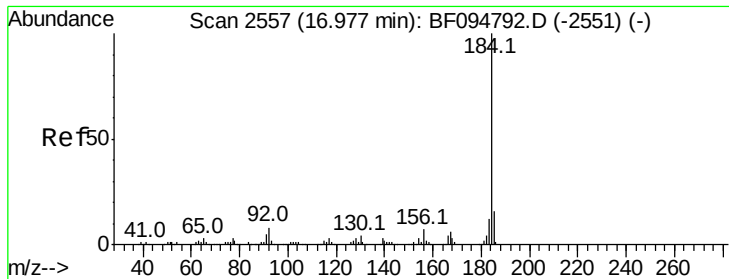


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 6.71 ng

RT: 17.04 min Scan# 2567

Delta R.T. 0.02 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

Instrument :

BNA_F

ClientSampled :

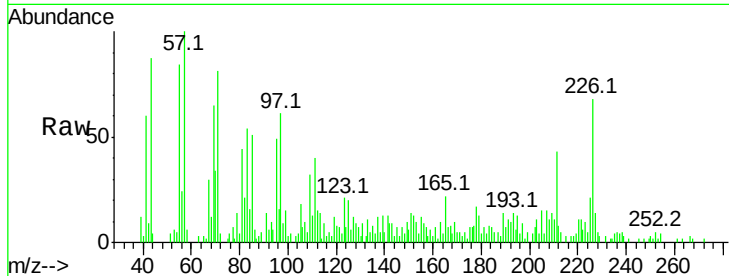
Tot Ion:184 Resp: 677

Ion Ratio Lower Upper

184 100

185 64.5 15.5 23.3#

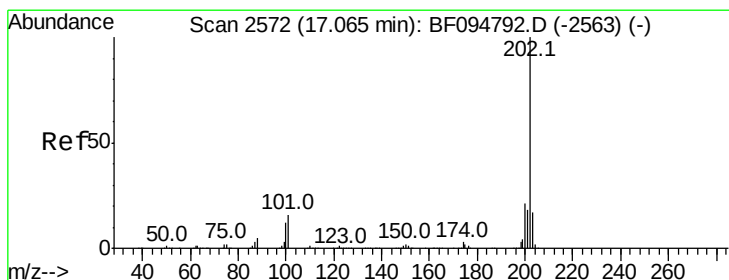
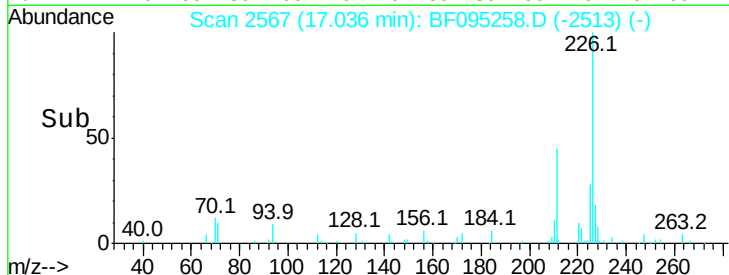
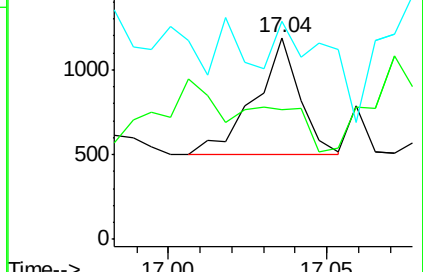
183 107.8 9.8 14.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 12.23 ng

RT: 17.11 min Scan# 2579

Delta R.T. 0.00 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

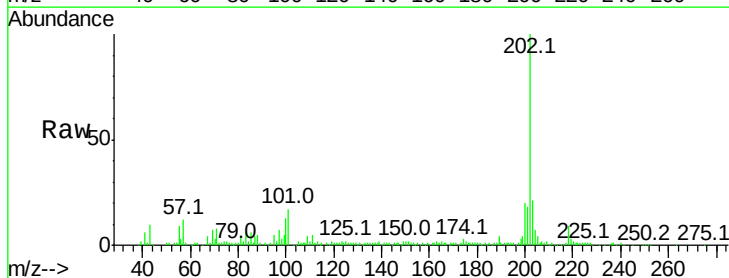
Tgt Ion:202 Resp: 156494

Ion Ratio Lower Upper

202 100

200 19.9 17.6 26.4

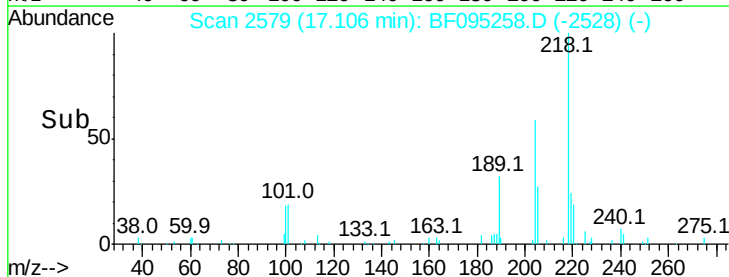
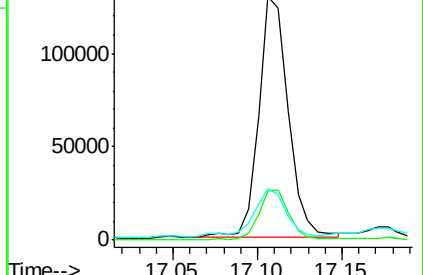
203 21.2 14.4 21.6

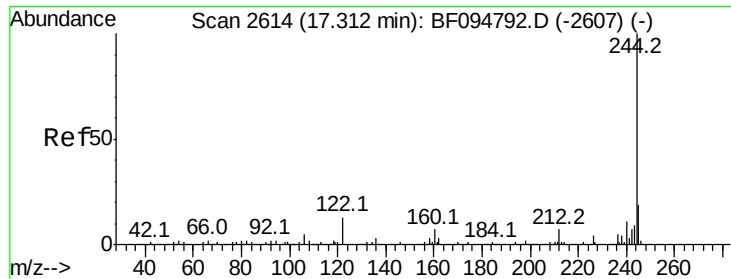


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 94.43 ng

RT: 17.34 min Scan# 2619

Delta R.T. -0.01 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

Instrument :

BNA_F

ClientSampleId :

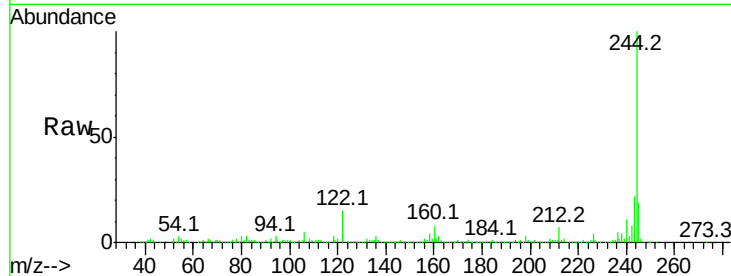
Tot Ion:244 Resp: 733771

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

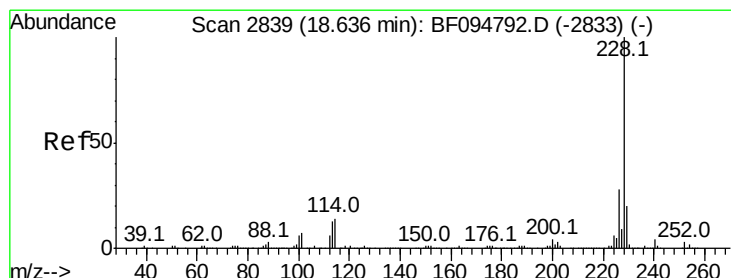
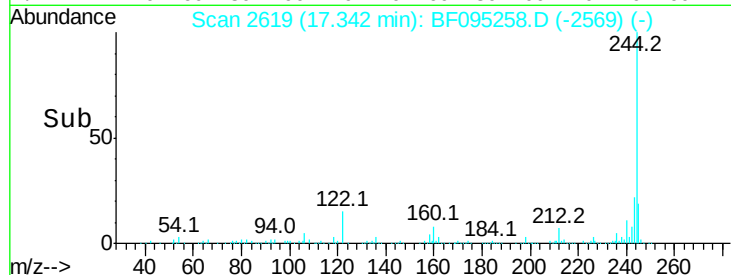
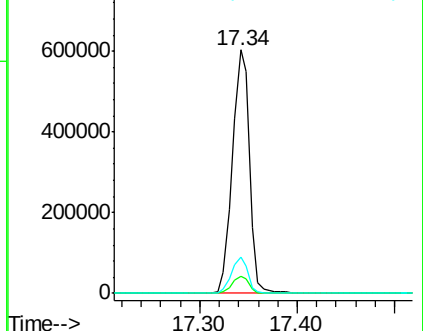
122 15.1 10.3 15.5



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: 3.62 ng

RT: 18.68 min Scan# 2847

Delta R.T. 0.00 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

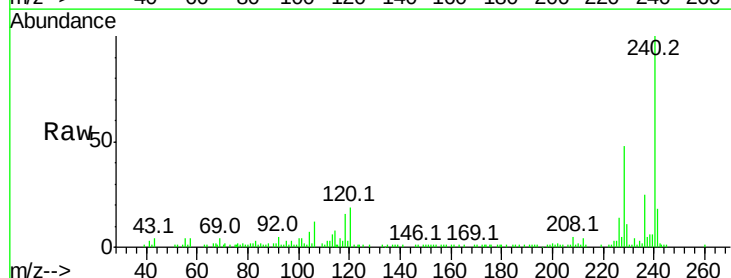
Tgt Ion:228 Resp: 36097

Ion Ratio Lower Upper

228 100

226 29.5 22.6 33.8

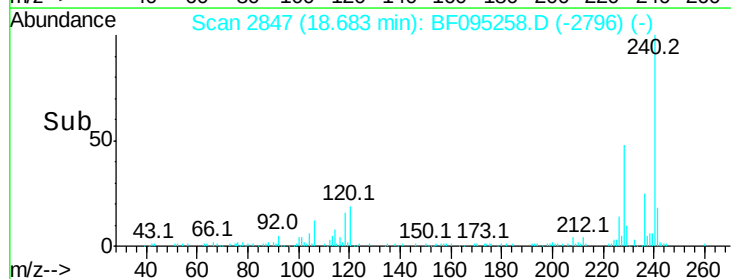
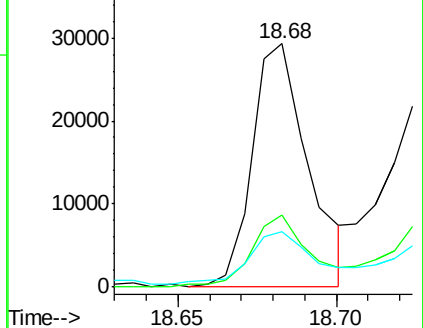
229 22.5 16.3 24.5

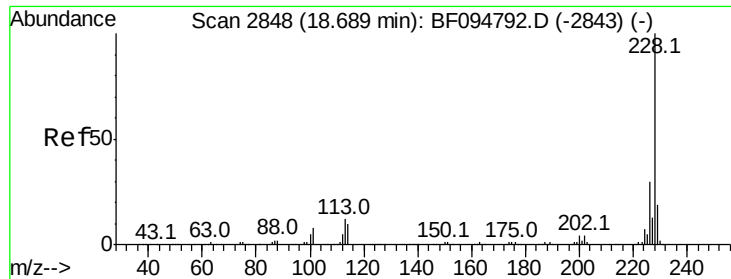


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.52 ng

RT: 18.73 min Scan# 2855

Delta R.T. 0.00 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

Instrument :

BNA_F

ClientSampleId :

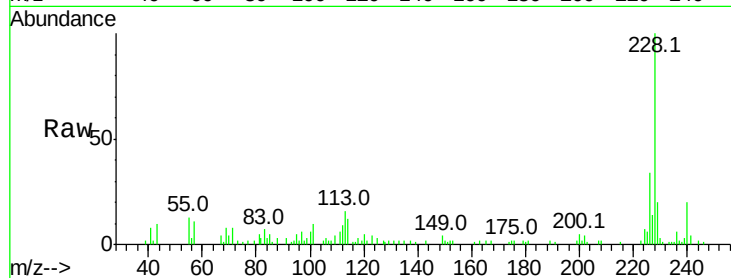
Tot Ion:228 Resp: 43546

Ion Ratio Lower Upper

228 100

226 33.9 24.9 37.3

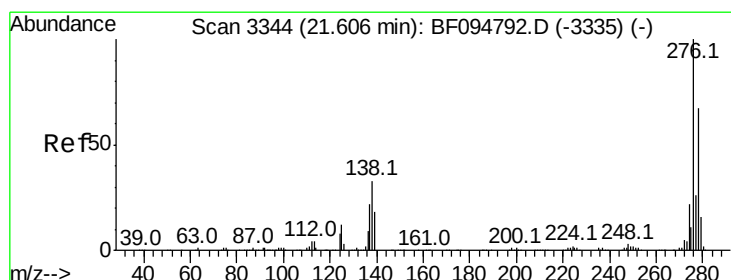
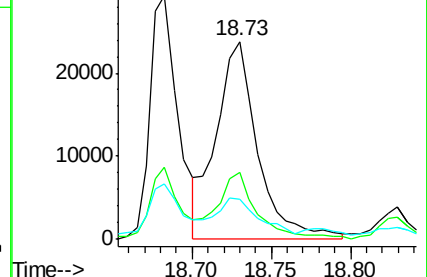
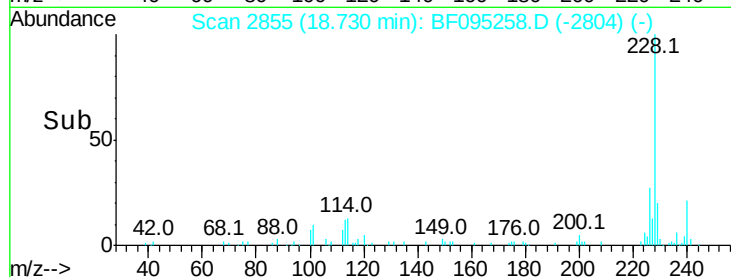
229 20.4 15.8 23.6



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: 3.91 ng

RT: 21.72 min Scan# 3364

Delta R.T. 0.02 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

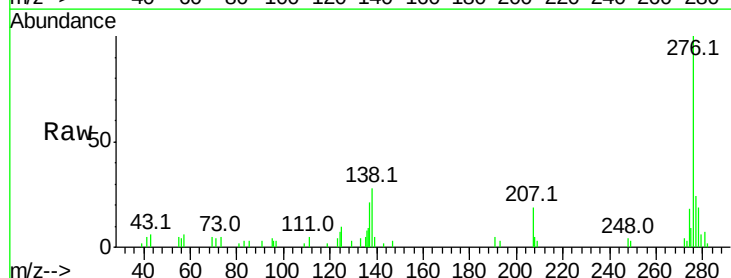
Tgt Ion:276 Resp: 30597

Ion Ratio Lower Upper

276 100

138 29.9 27.8 41.6

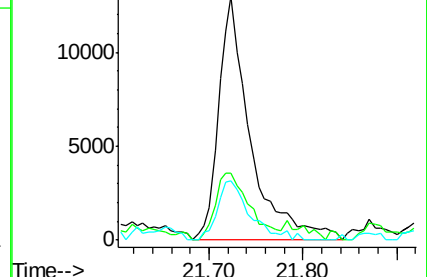
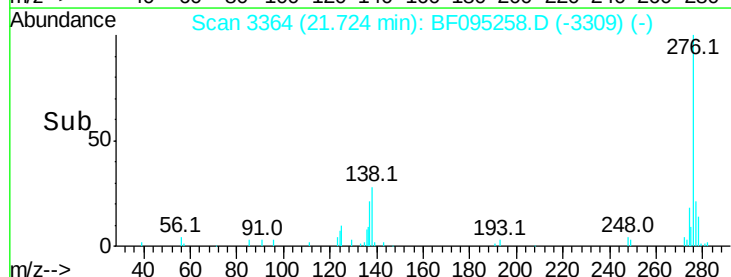
277 25.0 20.2 30.4

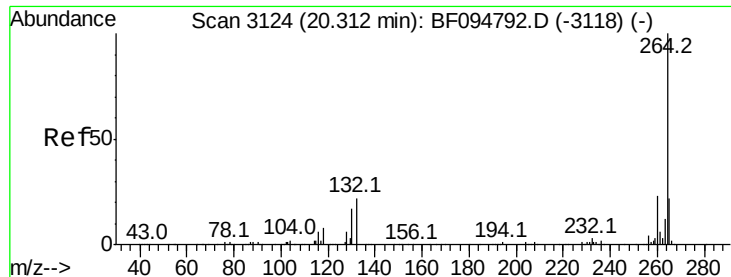


Abundance Ion 276.00 (275.70 to 276.70): E

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: 20.37 min Scan# 3133

Delta R.T. 0.00 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

Instrument :

BNA_F

ClientSampled :

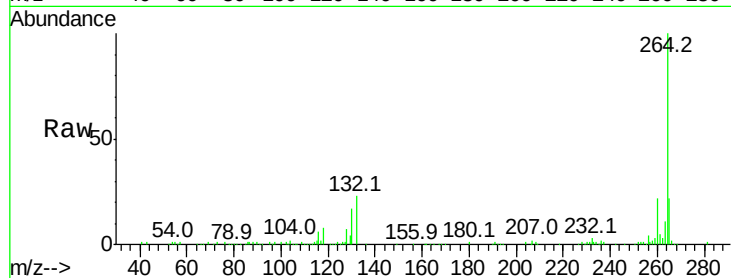
Tot Ion:264 Resp: 166721

Ion Ratio Lower Upper

264 100

260 22.3 19.5 29.3

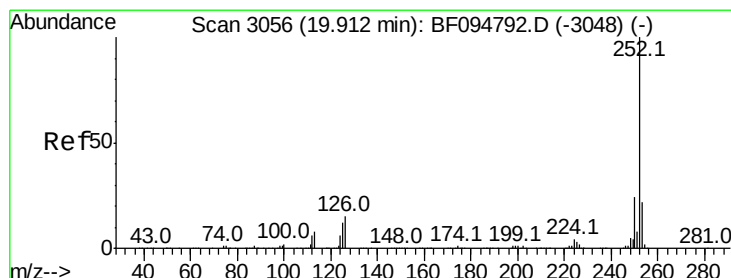
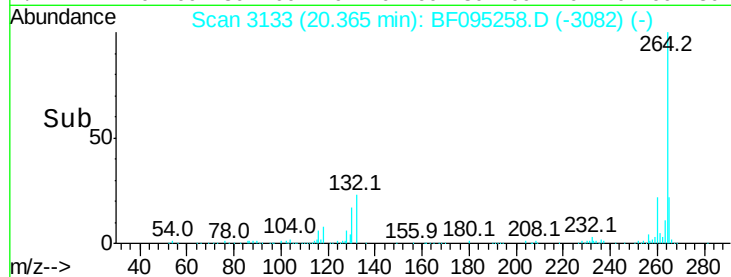
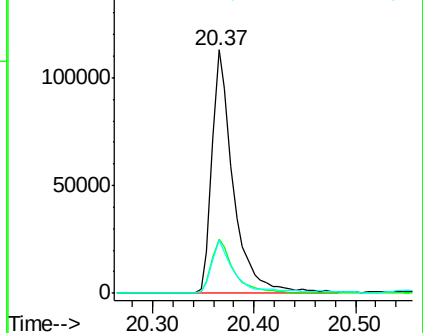
265 21.7 17.2 25.8



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: 6.40 ng

RT: 19.97 min Scan# 3065

Delta R.T. 0.01 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

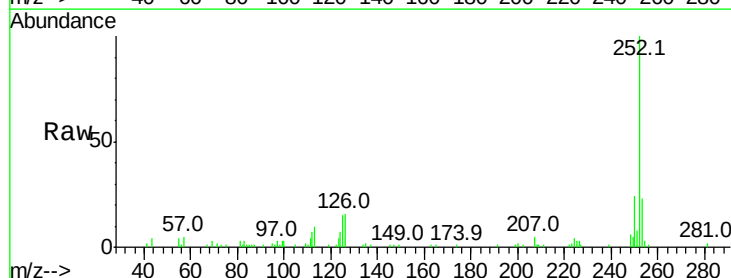
Tgt Ion:252 Resp: 65897

Ion Ratio Lower Upper

252 100

253 22.9 18.1 27.1

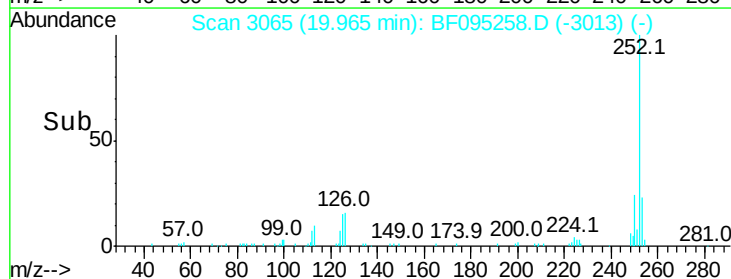
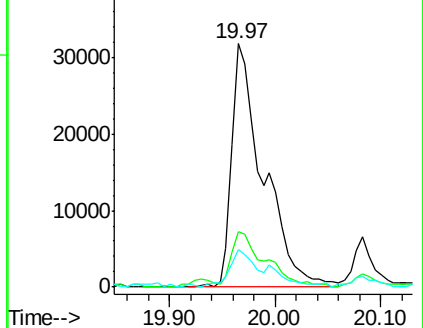
125 15.3 9.8 14.8#

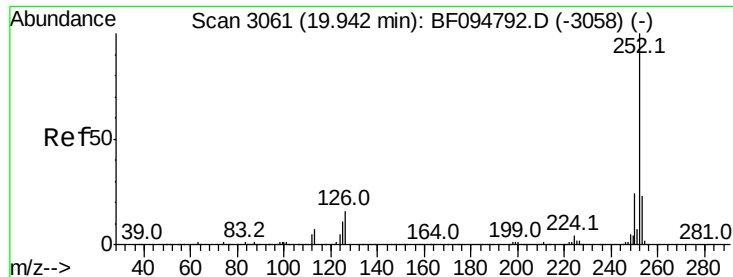


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 6.63 ng

RT: 19.97 min Scan# 3065

Delta R.T. -0.02 min

Lab File: BF095258.D

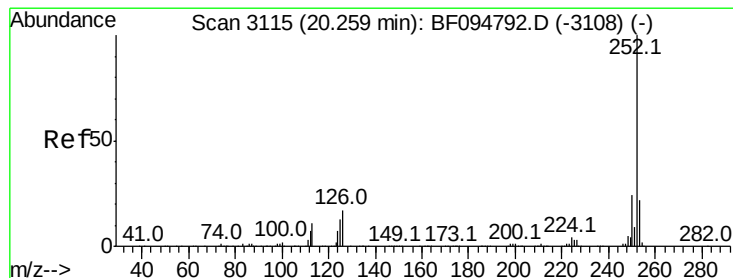
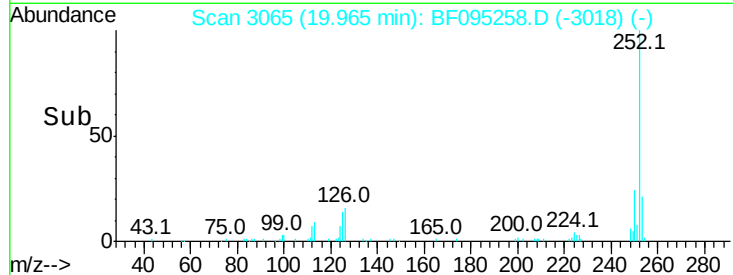
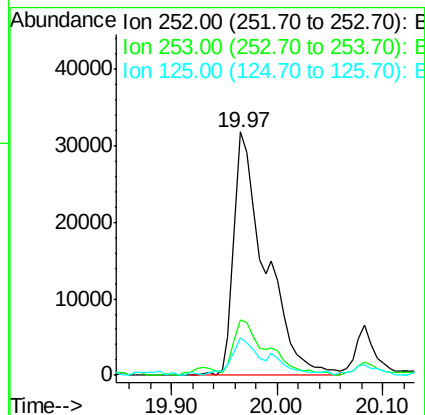
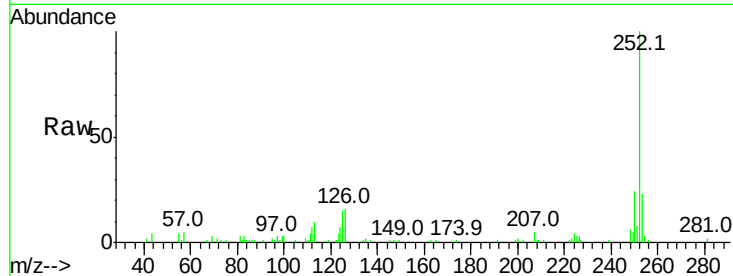
Acq: 19 May 2017 11:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	65897
Ion Ratio	Lower	Upper
252	100	
253	22.9	18.4 27.6
125	15.3	13.1 19.7



#89

Benzo(a)pyrene

Concen: 4.33 ng

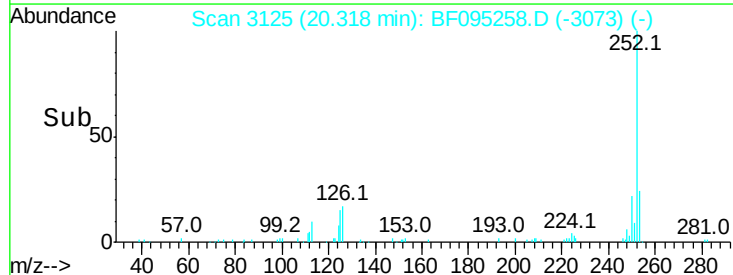
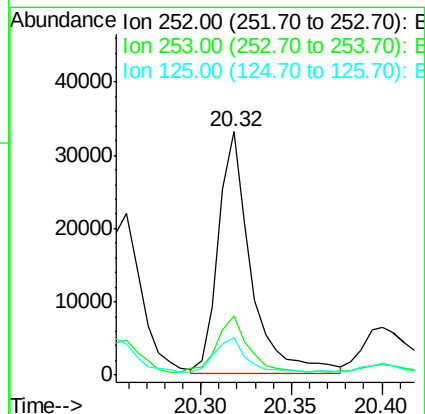
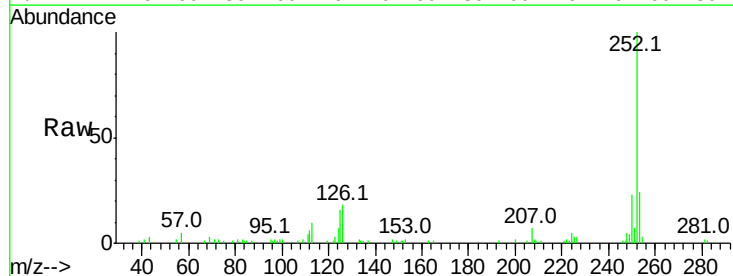
RT: 20.32 min Scan# 3125

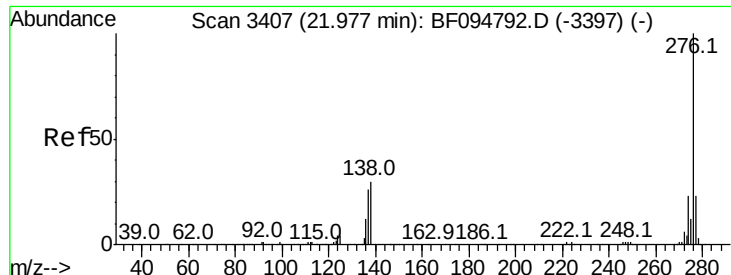
Delta R.T. 0.01 min

Lab File: BF095258.D

Acq: 19 May 2017 11:01

Tgt Ion:252	Resp:	41201
Ion Ratio	Lower	Upper
252	100	
253	24.3	17.5 26.3
125	15.6	11.0 16.4





#91

Benzo(a,h,i)perylene

Concen: 3.96 ng

RT: 22.11 min Scan# 3430

Delta R.T. 0.03 min

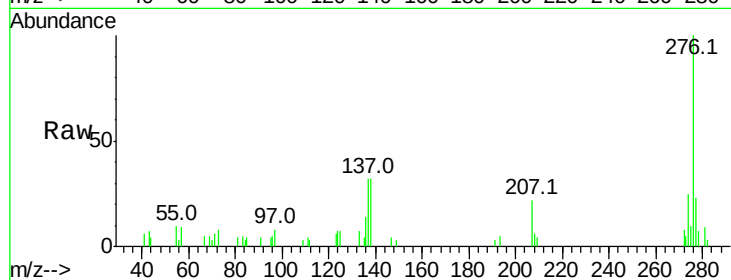
Lab File: BF095258.D

Acq: 19 May 2017 11:01

Instrument :

BNA_F

ClientSampleId :



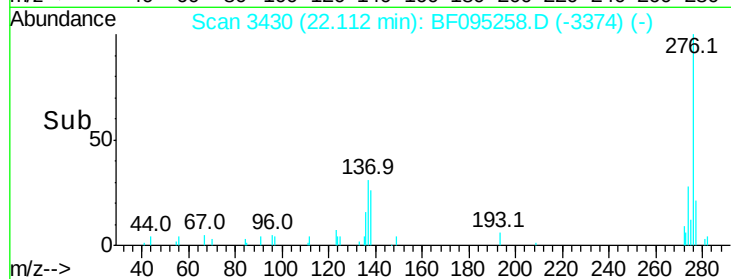
Tot Ion: 276 Resp: 30505

Ion Ratio Lower Upper

276 100

277 23.0 18.6 28.0

138 32.2 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E
 15000 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

