

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
 Data File : BF096062.D
 Acq On : 21 Jun 2017 00:32
 Operator : SJ/MA
 Sample : I3782-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 21 01:18:00 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	7.29	152	69531	20.00	ng	0.00
21) Naphthalene-d8	9.32	136	264686	20.00	ng	0.00
38) Acenaphthene-d10	12.14	164	99063	20.00	ng	0.00
63) Phenanthrene-d10	14.54	188	156565	20.00	ng	0.00
75) Chrysene-d12	18.27	240	122536	20.00	ng	0.00
86) Perylene-d12	19.94	264	91171	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	491685	112.68	ng	0.00
7) Phenol-d6	6.87	99	594881	113.88	ng	0.00
23) Nitrobenzene-d5	8.21	82	314202	73.72	ng	-0.01
41) 2,4,6-Tribromophenol	13.44	330	87105	99.38	ng	0.00
44) 2-Fluorobiphenyl	11.10	172	521900	73.31	ng	0.00
78) Terphenyl-d14	16.92	244	314553	63.71	ng	0.00

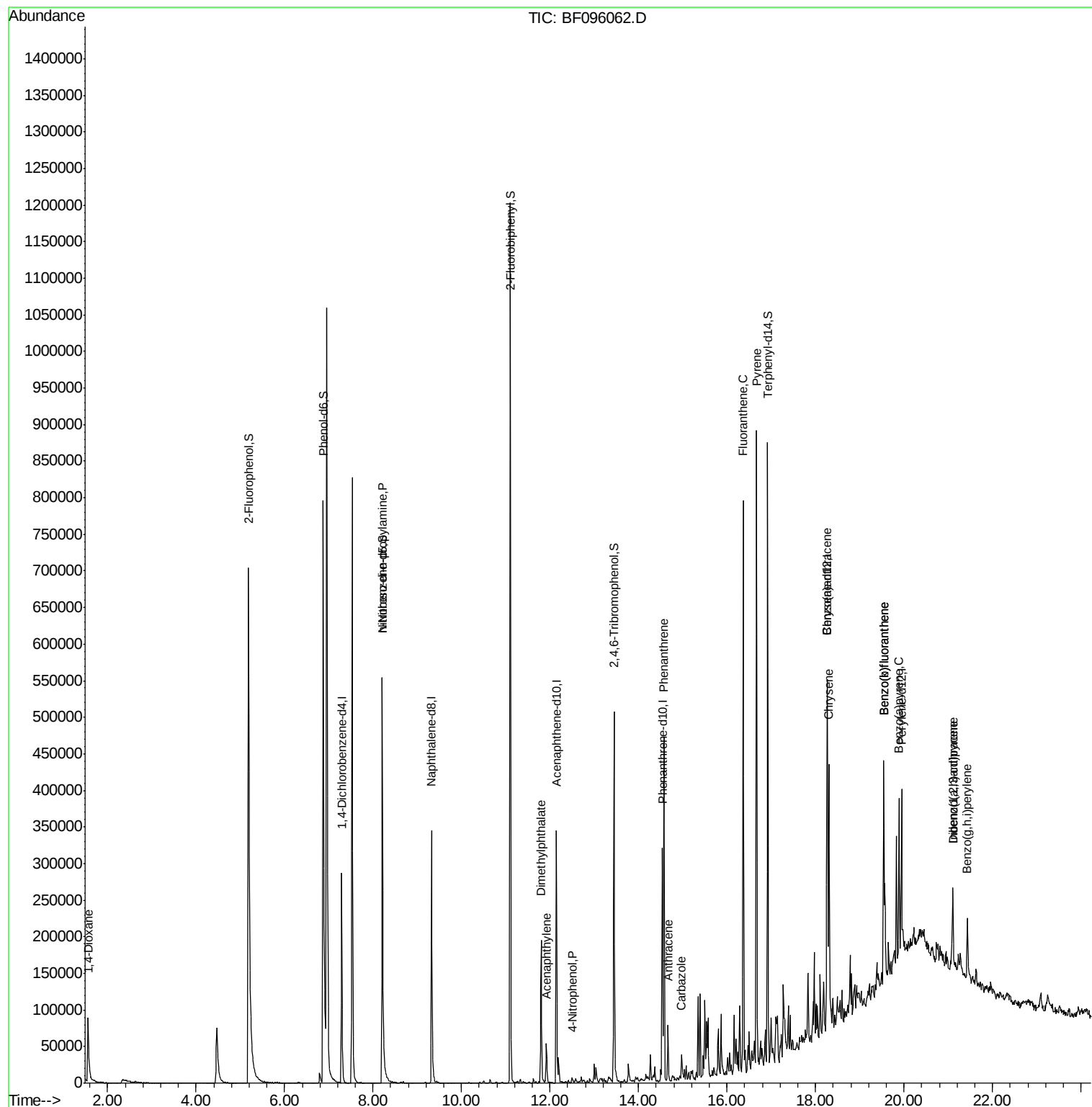
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.56	88	4204	2.03	ng	# 21
19) n-Nitroso-di-n-propylamine	8.21	70	39323	11.88	ng	# 77
48) Acenaphthylene	11.92	152	41187	3.78	ng	96
49) Dimethylphthalate	11.80	163	120122	15.97	ng	99
55) 4-Nitrophenol	12.50	139	1743	6.10	ng	# 25
70) Phenanthrene	14.57	178	245760	27.21	ng	98
71) Anthracene	14.66	178	48057	5.10	ng	95
72) Carbazole	14.97	167	24747	2.69	ng	96
74) Fluoranthene	16.37	202	383850	42.93	ng	99
77) Pyrene	16.67	202	386557	42.28	ng	97
80) Benzo(a)anthracene	18.26	228	148887	20.90	ng	96
82) Chrysene	18.30	228	153180	21.52	ng	99
85) Indeno(1,2,3-cd)pyrene	21.10	276	55389	9.09	ng	95
87) Benzo(b)fluoranthene	19.54	252	191844	33.60	ng	# 95
88) Benzo(k)fluoranthene	19.54	252	191844	35.16	ng	99
89) Benzo(a)pyrene	19.89	252	100963	19.24	ng	98
90) Dibenzo(a,h)anthracene	21.10	278	22933	5.15	ng	# 78
91) Benzo(g,h,i)perylene	21.43	276	54288	11.96	ng	98

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

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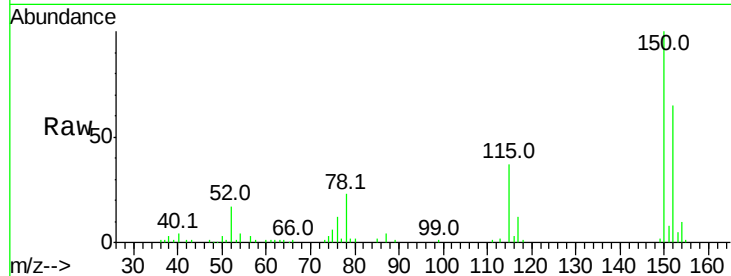


#1

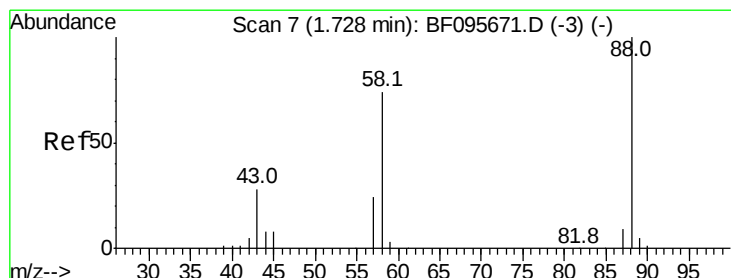
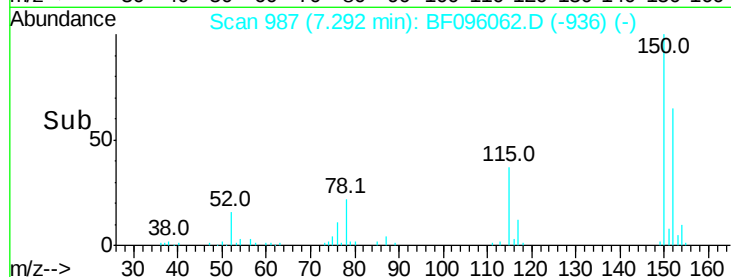
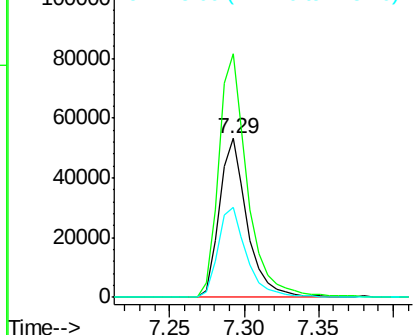
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF096062.D
Acq: 21 Jun 2017 00:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 69531
Ion Ratio Lower Upper
152 100
150 153.3 126.2 189.2
115 57.0 52.2 78.2



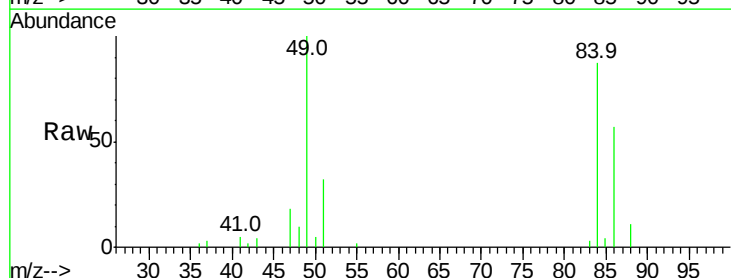
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



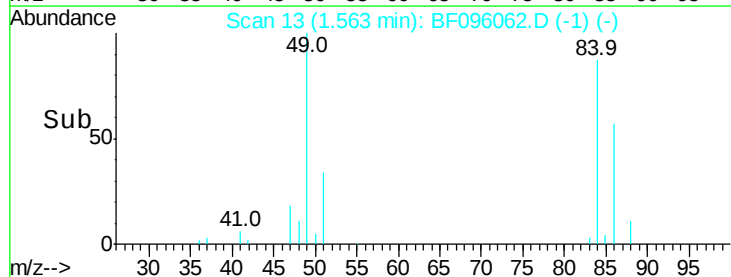
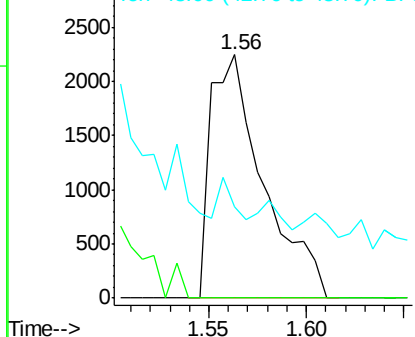
#2

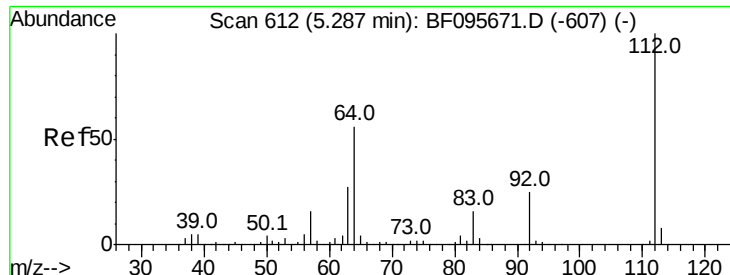
1,4-Dioxane
Concen: 2.03 ng
RT: 1.56 min Scan# 13
Delta R.T. -0.05 min
Lab File: BF096062.D
Acq: 21 Jun 2017 00:32

Tgt Ion: 88 Resp: 4204
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

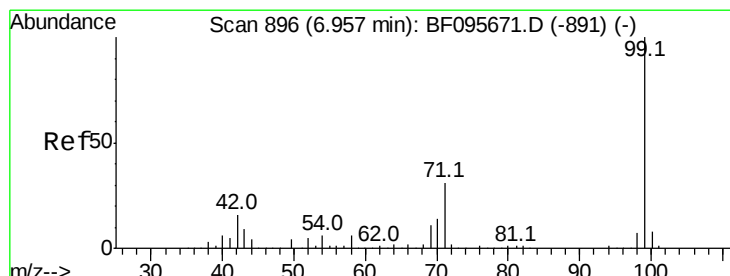
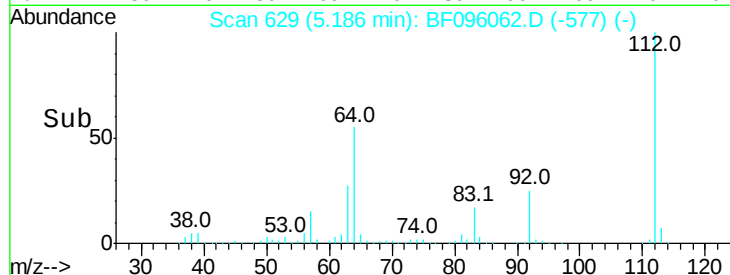
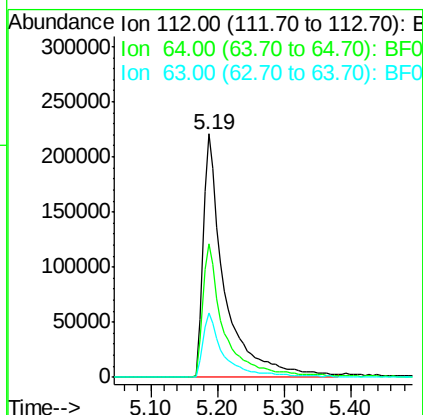
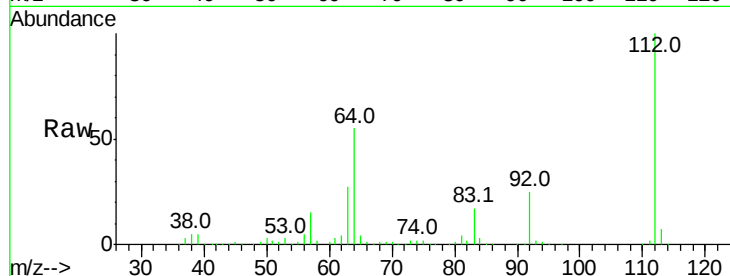




#5
 2-Fluorophenol
 Concen: 112.68 ng
 RT: 5.19 min Scan# 629
 Delta R.T. 0.01 min
 Lab File: BF096062.D
 Acq: 21 Jun 2017 00:32

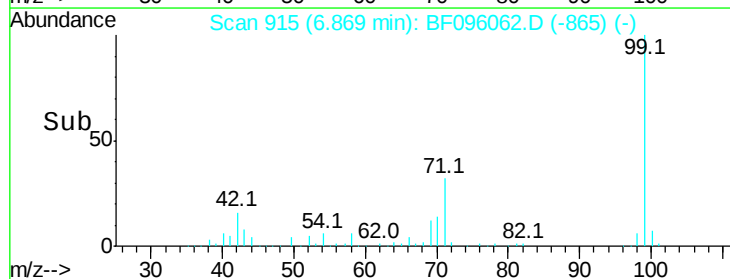
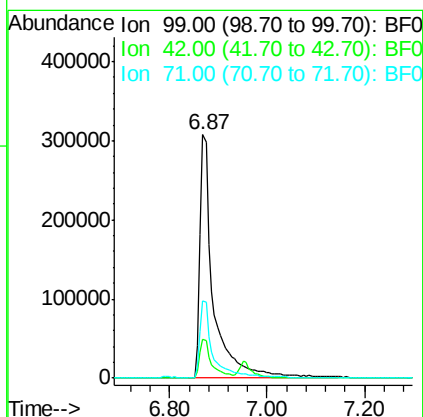
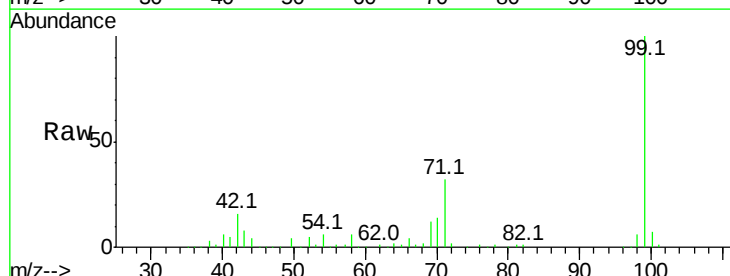
Instrument :
 BNA_F
 ClientSampled :

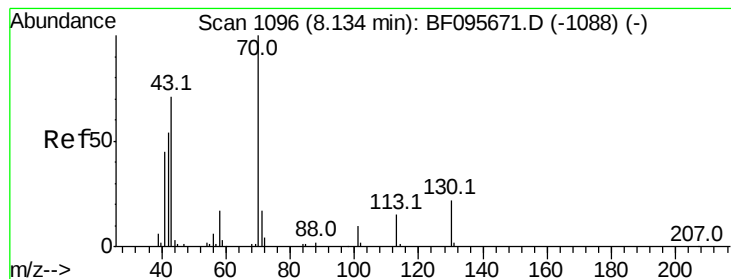
Tot Ion:	112	Resp:	491685
Ion	Ratio	Lower	Upper
112	100		
64	54.6	46.0	69.0
63	26.7	23.4	35.0



#7
 Phenol-d6
 Concen: 113.88 ng
 RT: 6.87 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: BF096062.D
 Acq: 21 Jun 2017 00:32

Tgt Ion:	99	Resp:	594881
Ion	Ratio	Lower	Upper
99	100		
42	16.1	13.5	20.3
71	31.5	24.5	36.7





#19

n-Nitroso-di-n-propylamine

Concen: 11.88 ng

RT: 8.21 min Scan# 1143

Delta R.T. 0.18 min

Lab File: BF096062.D

Acq: 21 Jun 2017 00:32

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 39323

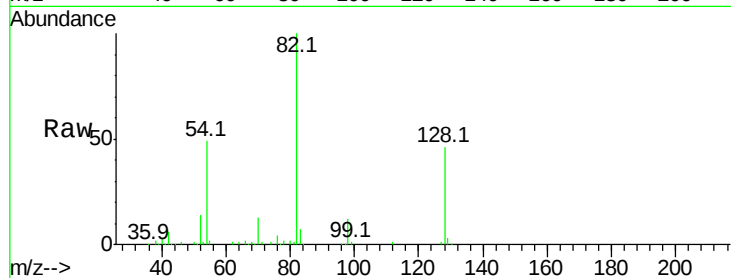
Ion Ratio Lower Upper

70 100

42 45.3 47.2 70.8#

101 0.0 7.2 10.8#

130 3.5 15.9 23.9#



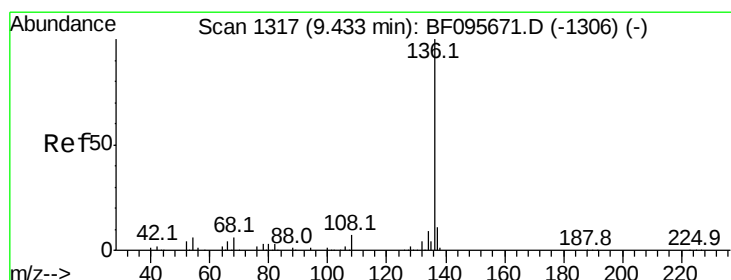
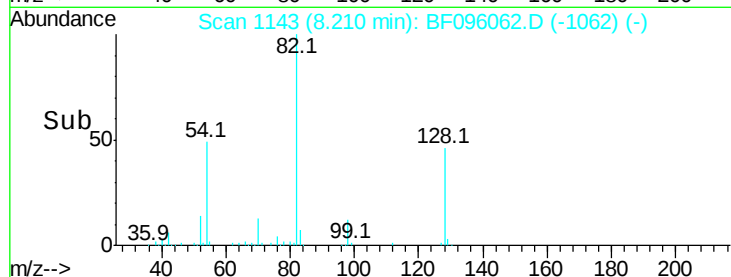
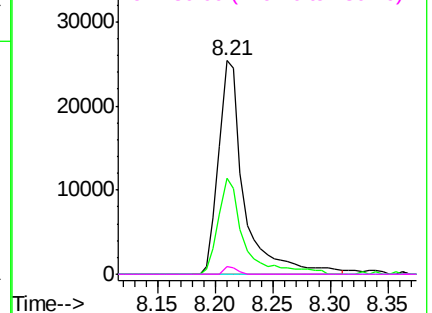
Abundance

Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.32 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF096062.D

Acq: 21 Jun 2017 00:32

Tgt Ion:136 Resp: 264686

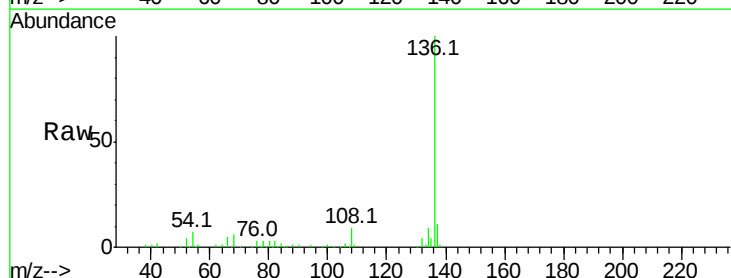
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 6.7 4.9 7.3

68 5.7 4.1 6.1



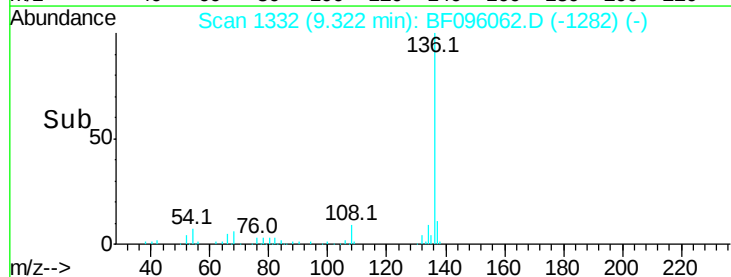
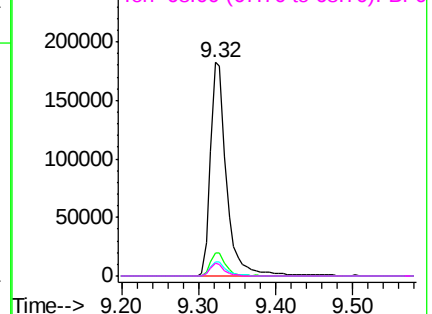
Abundance

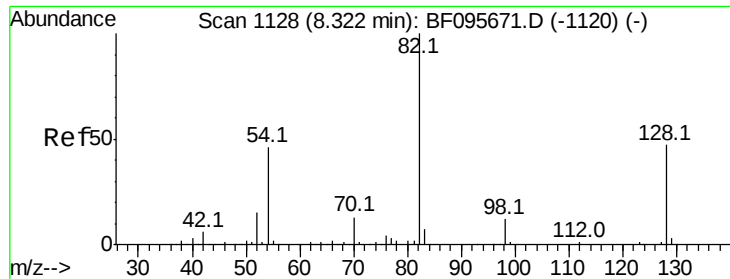
Ion 136.00 (135.70 to 136.70): E

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

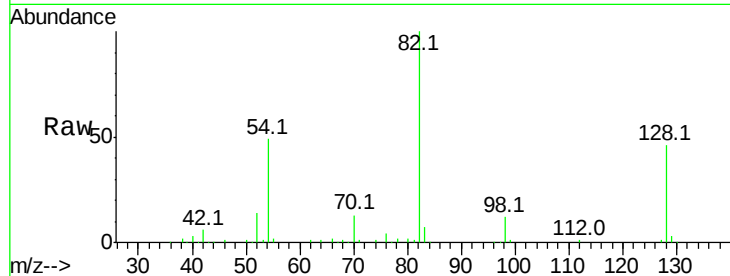




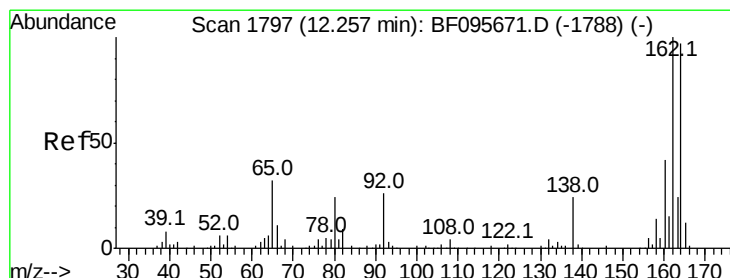
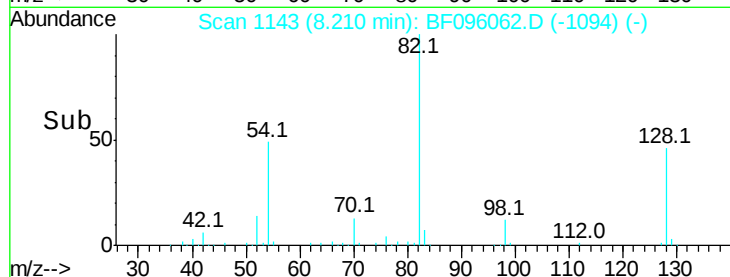
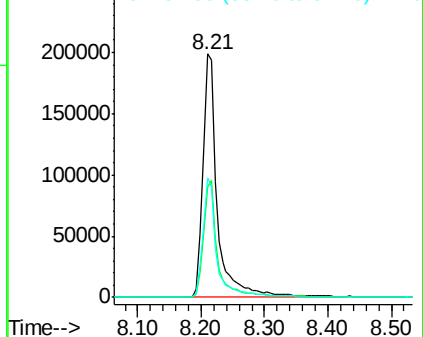
#23
Nitrobenzene-d5
Concen: 73.72 ng
RT: 8.21 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF096062.D
Acq: 21 Jun 2017 00:32

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 314202
Ion Ratio Lower Upper
82 100
128 45.5 34.0 51.0
54 48.9 42.2 63.2

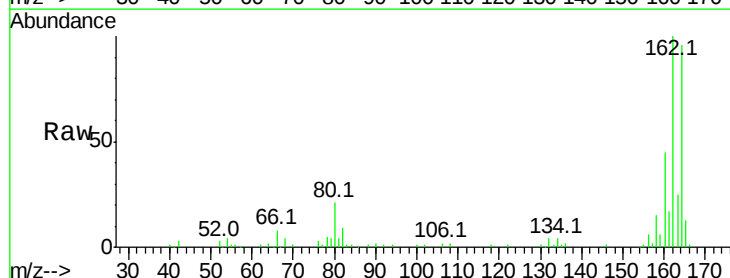


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

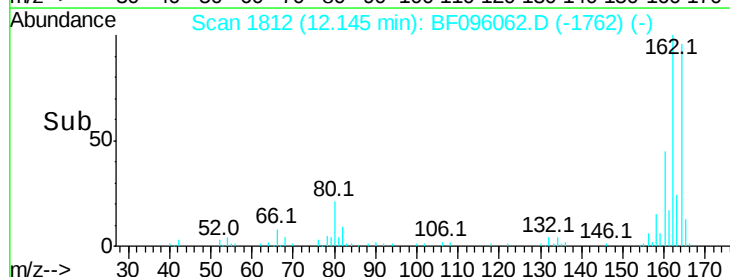
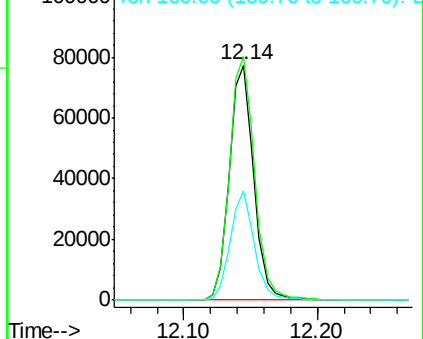


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.14 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF096062.D
Acq: 21 Jun 2017 00:32

Tgt Ion:164 Resp: 99063
Ion Ratio Lower Upper
164 100
162 103.8 82.6 123.8
160 46.3 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

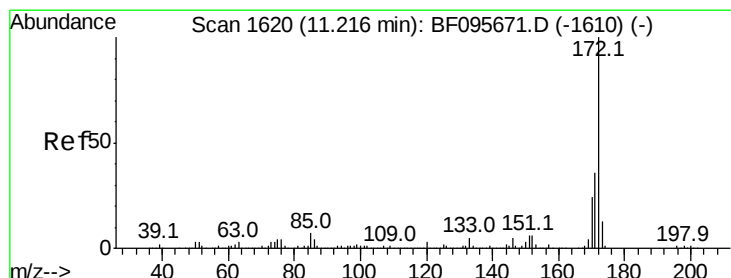
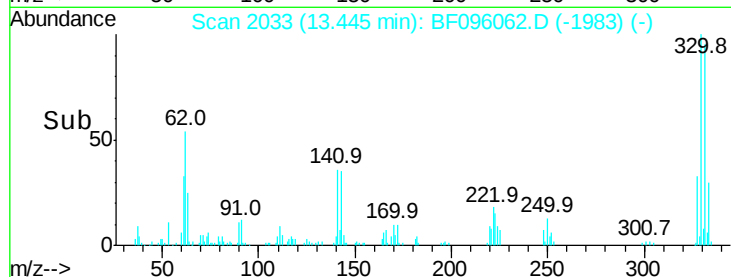
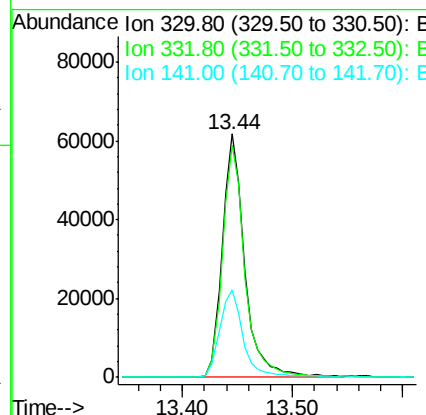
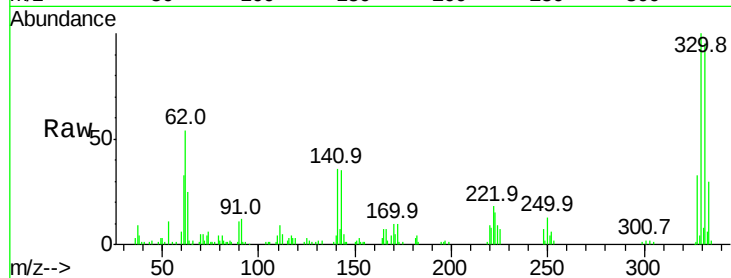




#41
 2,4,6-Tribromophenol
 Concen: 99.38 ng
 RT: 13.44 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF096062.D
 Acq: 21 Jun 2017 00:32

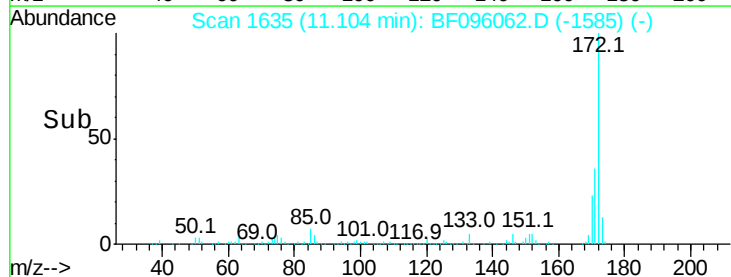
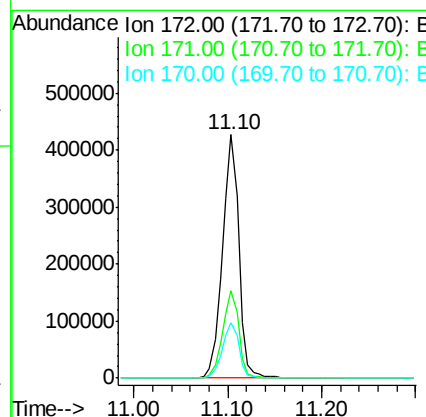
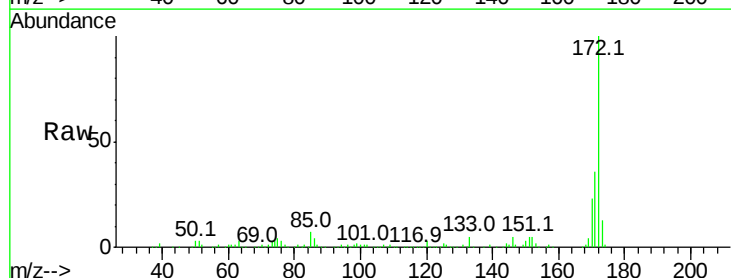
Instrument :
 BNA_F
 ClientSampleId :

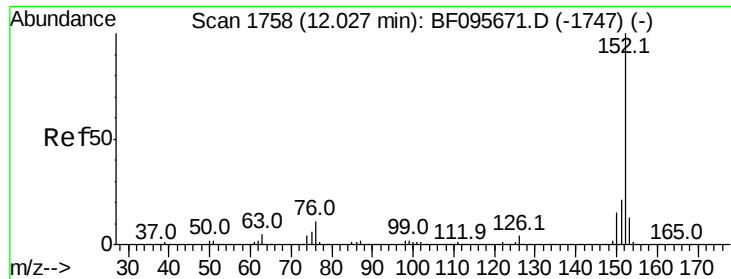
Tot Ion:330 Resp: 87105
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.6 115.0
 141 37.6 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 73.31 ng
 RT: 11.10 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BF096062.D
 Acq: 21 Jun 2017 00:32

Tgt Ion:172 Resp: 521900
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.6 44.4
 170 22.9 19.8 29.8





#48

Acenaphthylene

Concen: 3.78 ng

RT: 11.92 min Scan# 1774

Delta R.T. 0.00 min

Lab File: BF096062.D

Acq: 21 Jun 2017 00:32

Instrument :

BNA_F

ClientSampleId :

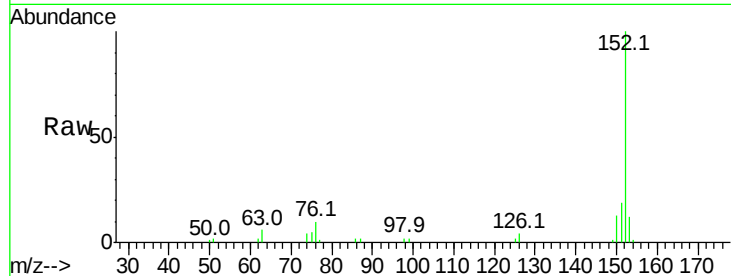
Tot Ion:152 Resp: 41187

Ion Ratio Lower Upper

152 100

151 19.1 16.8 25.2

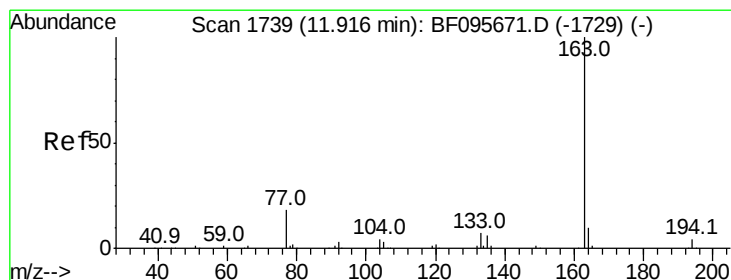
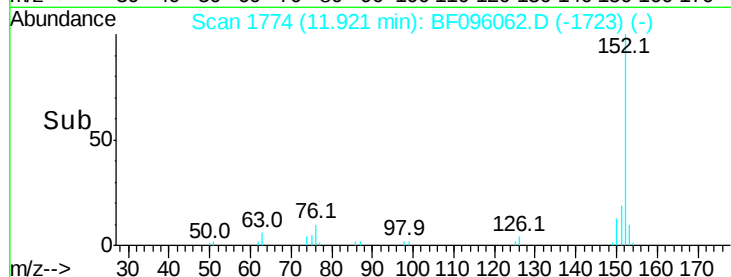
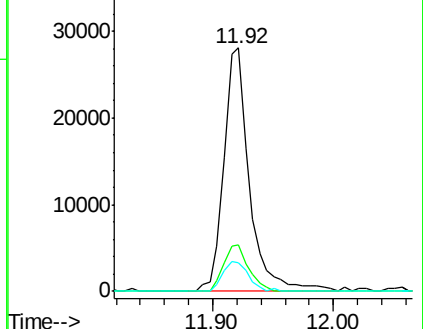
153 11.8 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 15.97 ng

RT: 11.80 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF096062.D

Acq: 21 Jun 2017 00:32

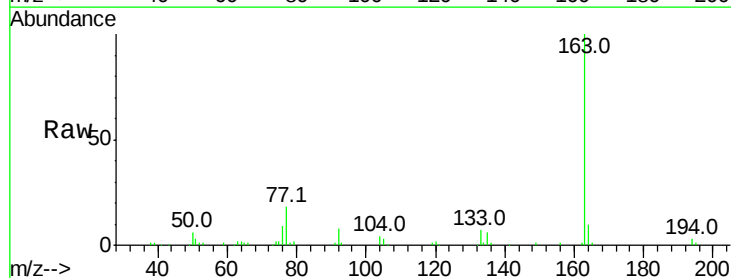
Tgt Ion:163 Resp: 120122

Ion Ratio Lower Upper

163 100

194 3.0 2.6 4.0

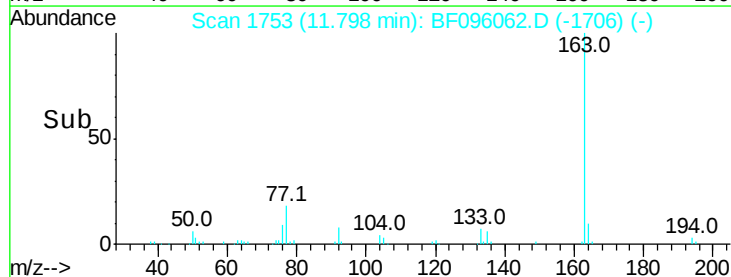
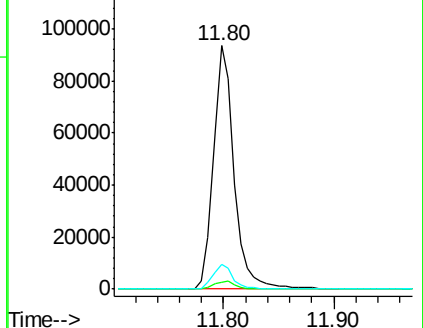
164 10.3 8.4 12.6

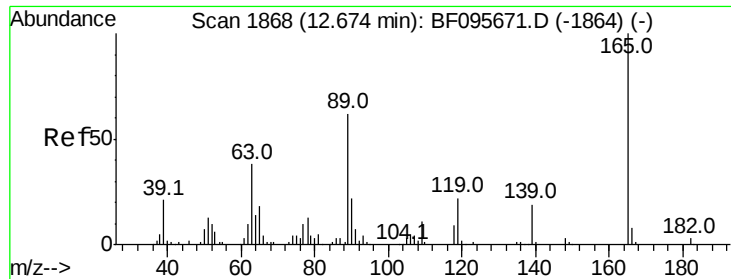


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

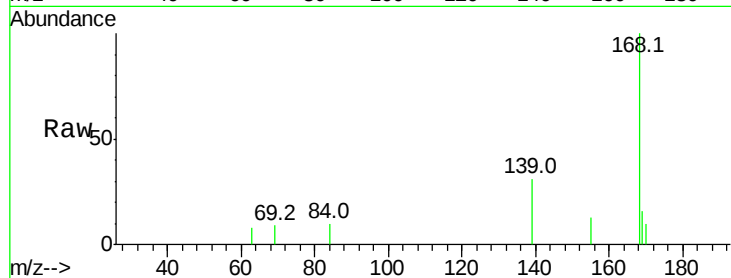




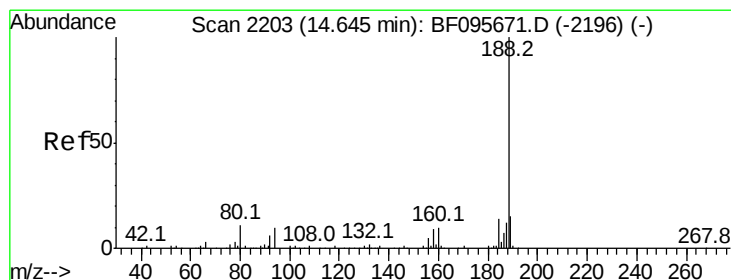
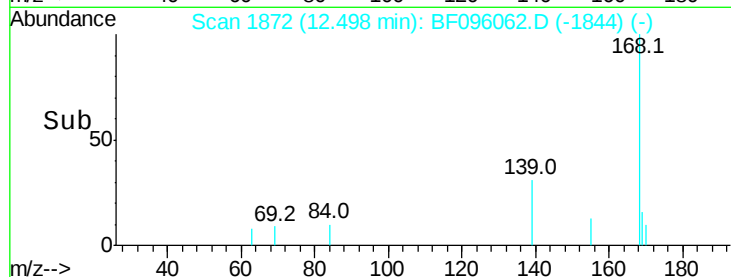
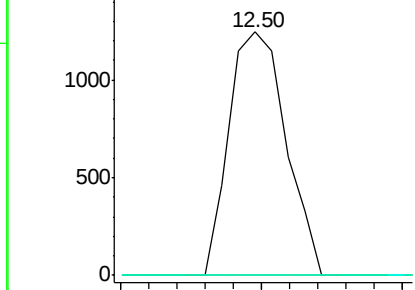
#55
4-Nitrophenol
Concen: 6.10 ng
RT: 12.50 min Scan# 1872
Delta R.T. -0.14 min
Lab File: BF096062.D
Acq: 21 Jun 2017 00:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 1743
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

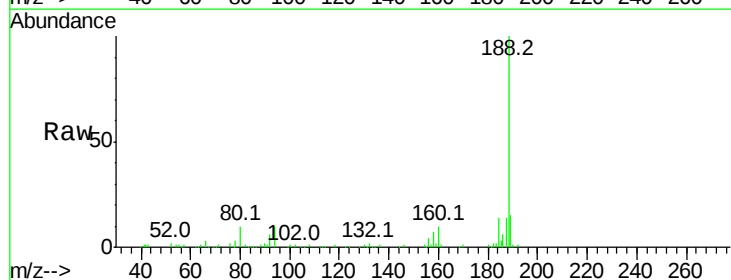


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

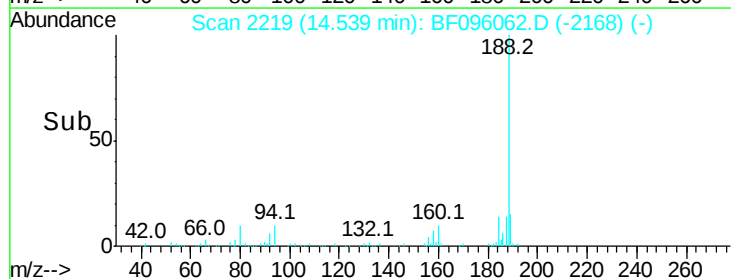
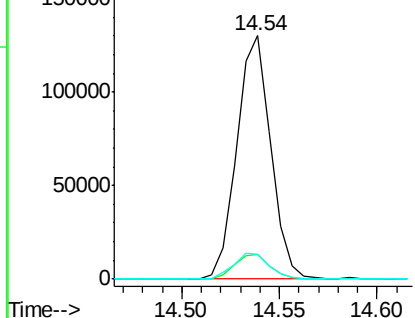


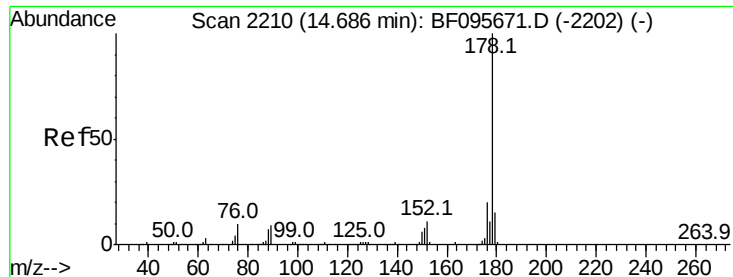
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.54 min Scan# 2219
Delta R.T. 0.00 min
Lab File: BF096062.D
Acq: 21 Jun 2017 00:32

Tgt Ion:188 Resp: 156565
Ion Ratio Lower Upper
188 100
94 9.9 9.4 14.2
80 10.0 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

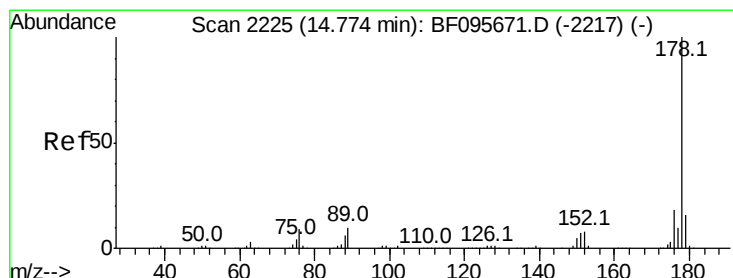
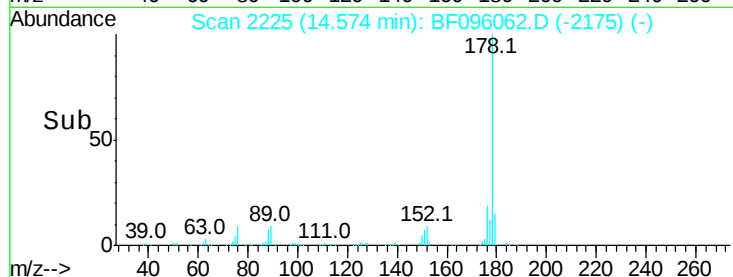
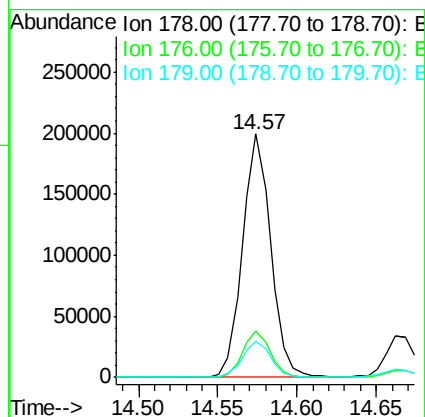
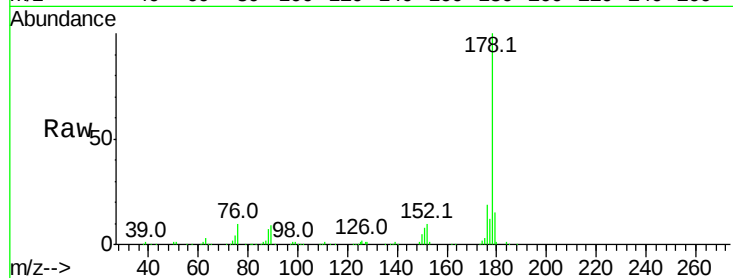




#70
Phenanthrene
Concen: 27.21 ng
RT: 14.57 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BF096062.D
Acq: 21 Jun 2017 00:32

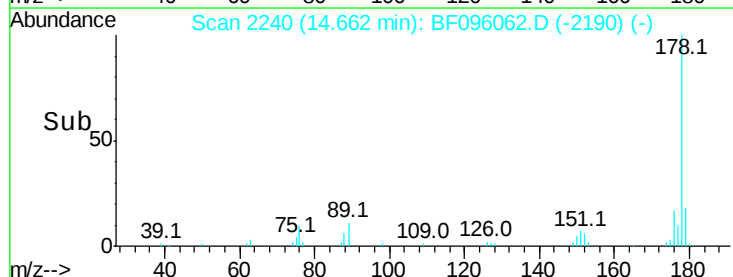
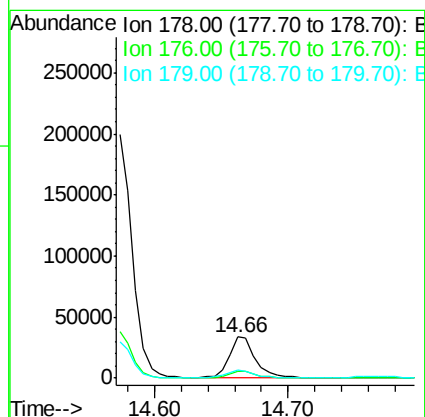
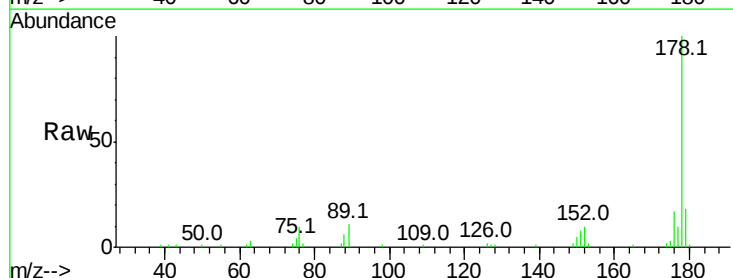
Instrument :
BNA_F
ClientSampled :

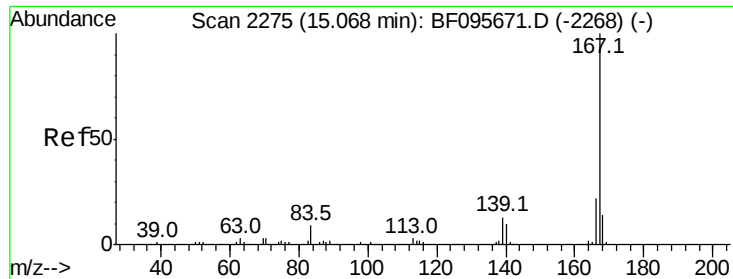
Tot Ion:178 Resp: 245760
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.4
179 14.9 12.6 19.0



#71
Anthracene
Concen: 5.10 ng
RT: 14.66 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF096062.D
Acq: 21 Jun 2017 00:32

Tgt Ion:178 Resp: 48057
Ion Ratio Lower Upper
178 100
176 17.5 15.8 23.8
179 18.2 12.7 19.1





#72

Carbazole

Concen: 2.69 ng

RT: 14.97 min Scan# 2293

Delta R.T. 0.01 min

Lab File: BF096062.D

Acq: 21 Jun 2017 00:32

Instrument :

BNA_F

ClientSampleId :

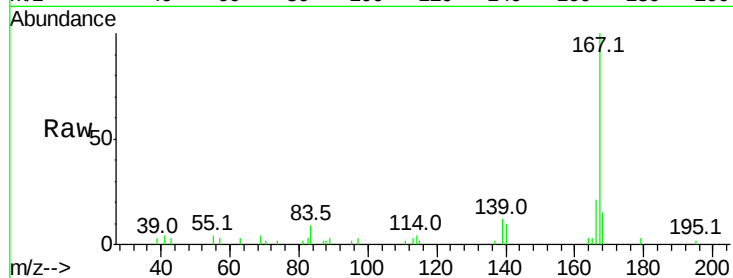
Tot Ion:167 Resp: 24747

Ion Ratio Lower Upper

167 100

166 21.4 18.1 27.1

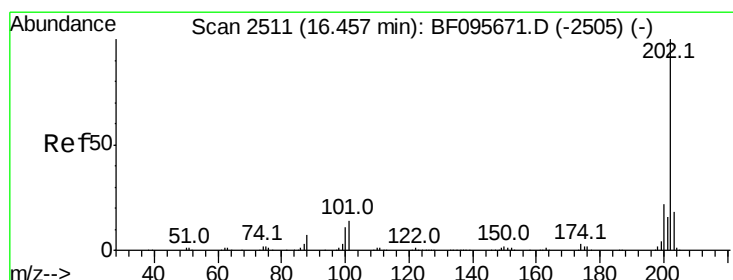
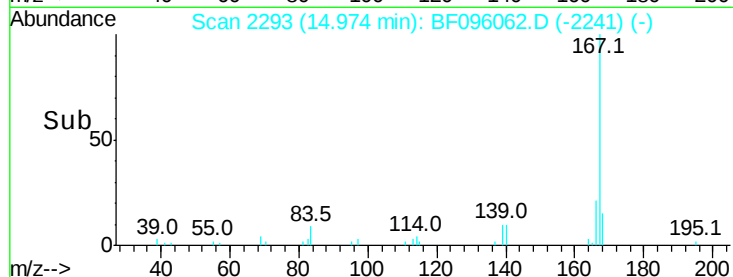
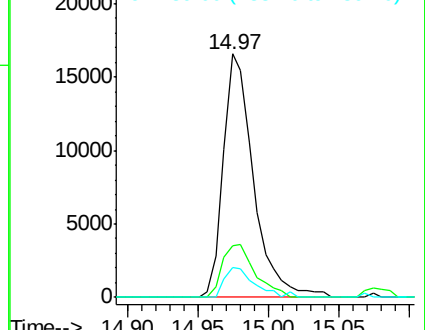
139 12.3 11.7 17.5



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: 42.93 ng

RT: 16.37 min Scan# 2530

Delta R.T. 0.00 min

Lab File: BF096062.D

Acq: 21 Jun 2017 00:32

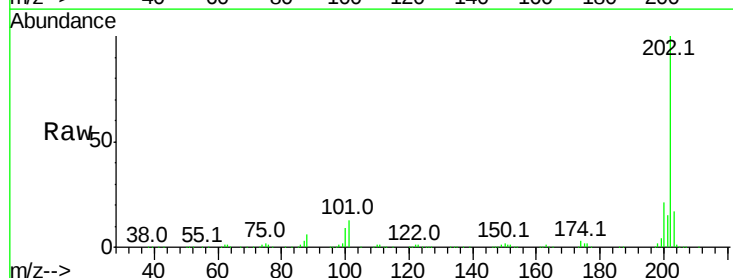
Tgt Ion:202 Resp: 383850

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.2

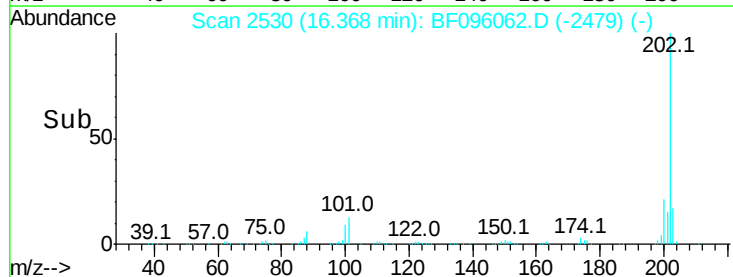
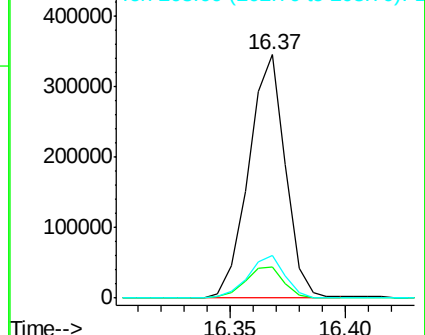
203 17.3 0.0 38.1

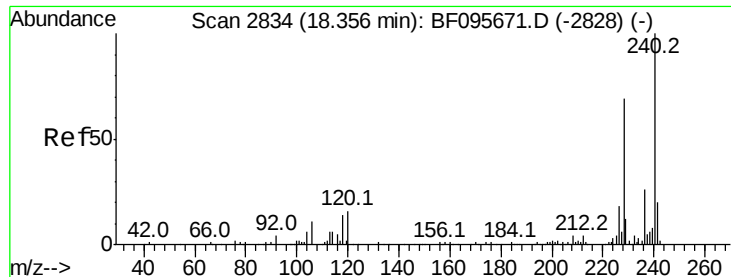


Abundance Ion 202.00 (201.70 to 202.70): E

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: 18.27 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BF096062.D

Acq: 21 Jun 2017 00:32

Instrument :

BNA_F

ClientSampled :

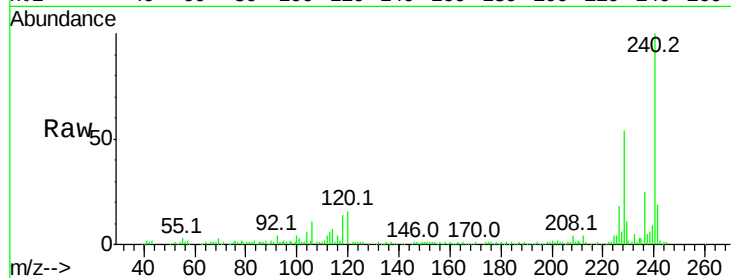
Tot Ion:240 Resp: 122536

Ion Ratio Lower Upper

240 100

120 16.1 5.8 8.8#

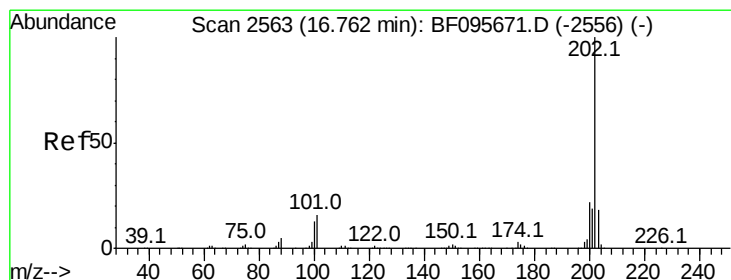
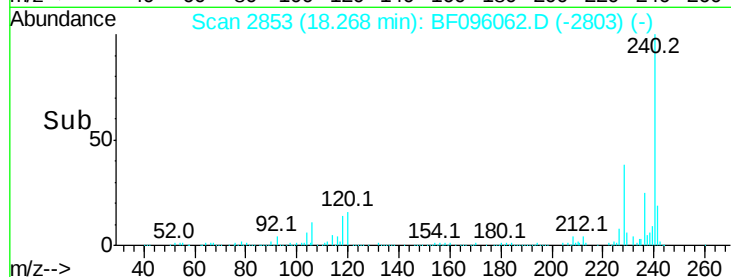
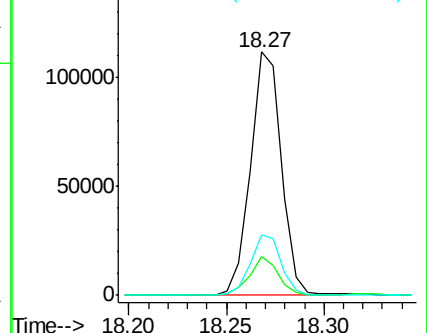
236 25.1 20.5 30.7



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: 42.28 ng

RT: 16.67 min Scan# 2581

Delta R.T. 0.00 min

Lab File: BF096062.D

Acq: 21 Jun 2017 00:32

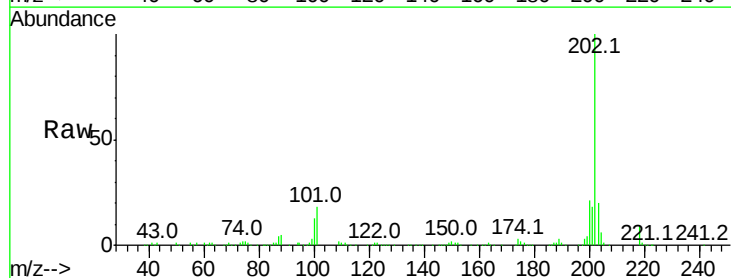
Tgt Ion:202 Resp: 386557

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

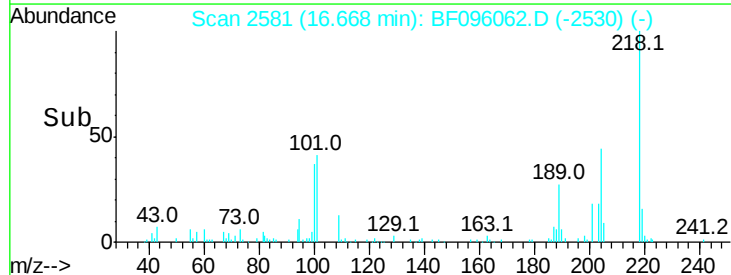
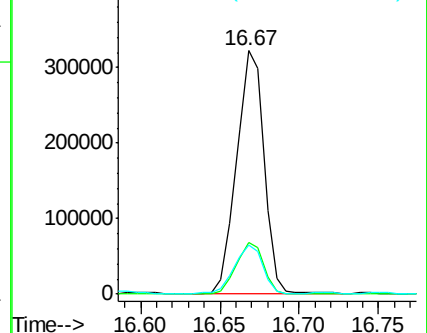
203 20.2 14.4 21.6

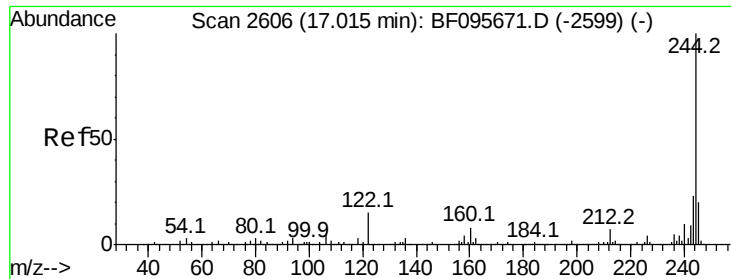


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

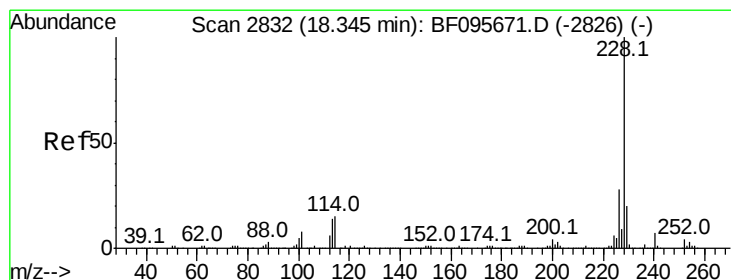
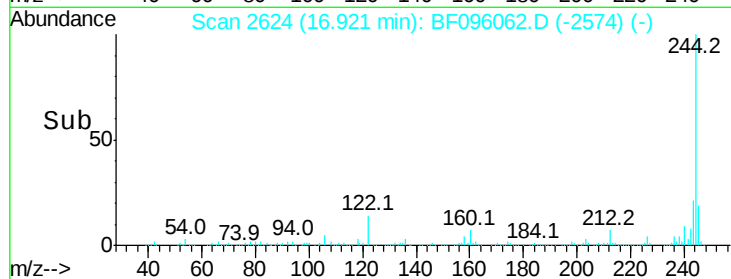
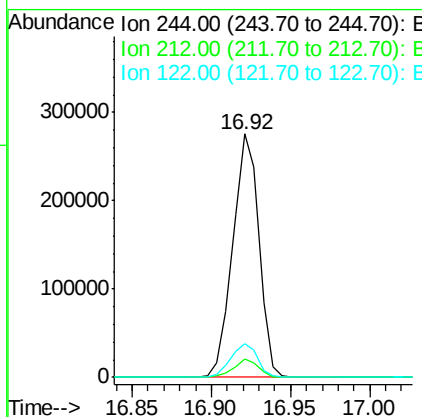
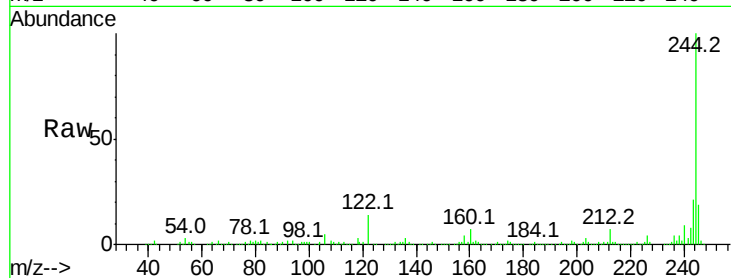




#78
 Terphenyl-d14
 Concen: 63.71 ng
 RT: 16.92 min Scan# 2624
 Delta R.T. -0.01 min
 Lab File: BF096062.D
 Acq: 21 Jun 2017 00:32

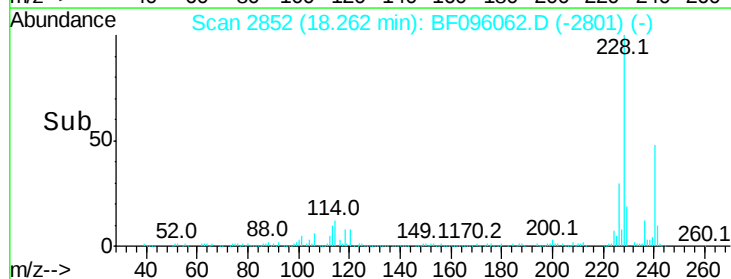
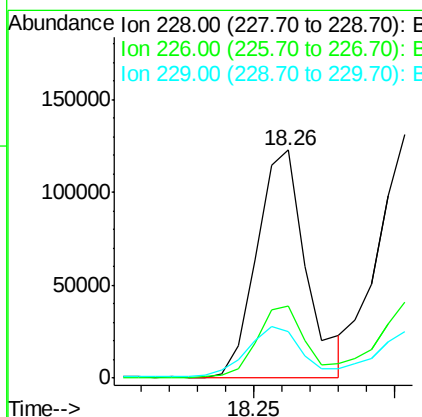
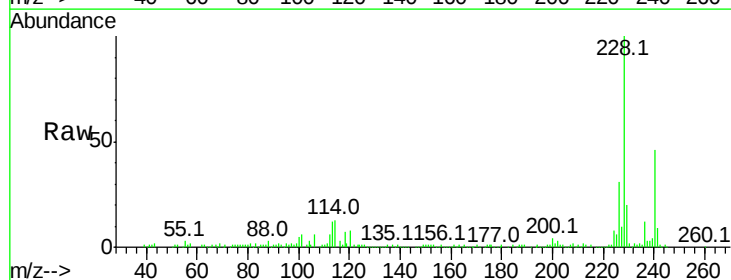
Instrument :
 BNA_F
 ClientSampleId :

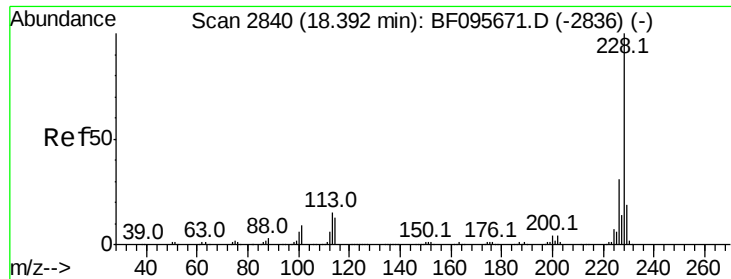
Tot Ion:244 Resp: 314553
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 13.9 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 20.90 ng
 RT: 18.26 min Scan# 2852
 Delta R.T. 0.00 min
 Lab File: BF096062.D
 Acq: 21 Jun 2017 00:32

Tgt Ion:228 Resp: 148887
 Ion Ratio Lower Upper
 228 100
 226 31.5 22.6 33.8
 229 20.2 16.3 24.5





#82

Chrysene

Concen: 21.52 ng

RT: 18.30 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BF096062.D

Acq: 21 Jun 2017 00:32

Instrument :

BNA_F

ClientSampleId :

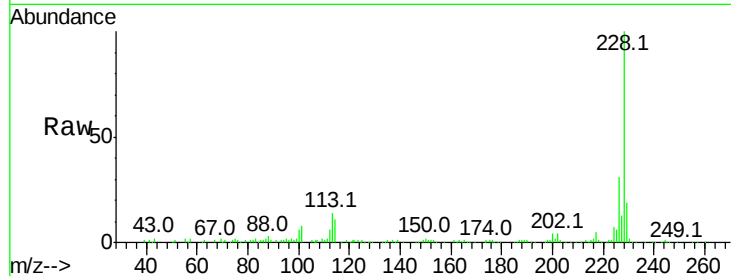
Tot Ion:228 Resp: 153180

Ion Ratio Lower Upper

228 100

226 31.0 24.9 37.3

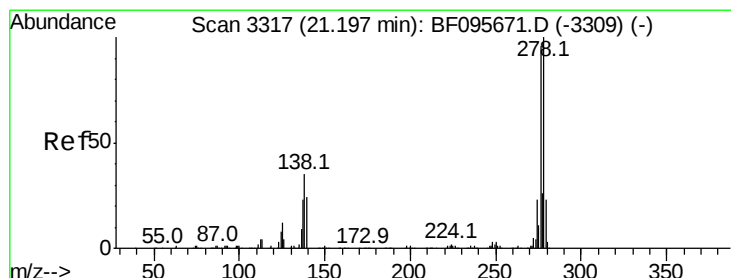
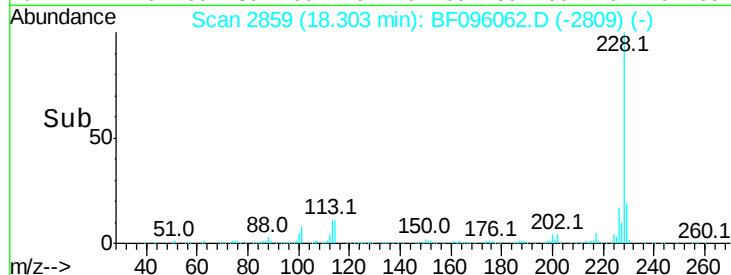
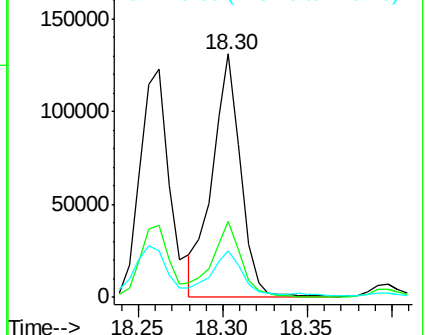
229 19.3 15.8 23.6



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: 9.09 ng

RT: 21.10 min Scan# 3335

Delta R.T. 0.01 min

Lab File: BF096062.D

Acq: 21 Jun 2017 00:32

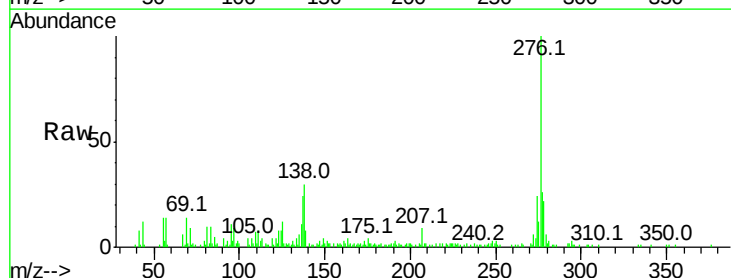
Tgt Ion:276 Resp: 55389

Ion Ratio Lower Upper

276 100

138 30.4 27.8 41.6

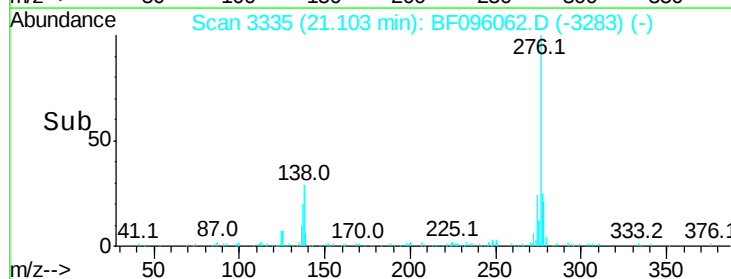
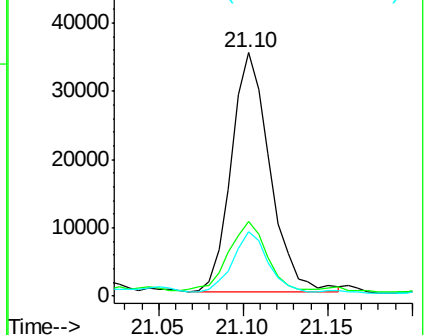
277 24.0 20.2 30.4

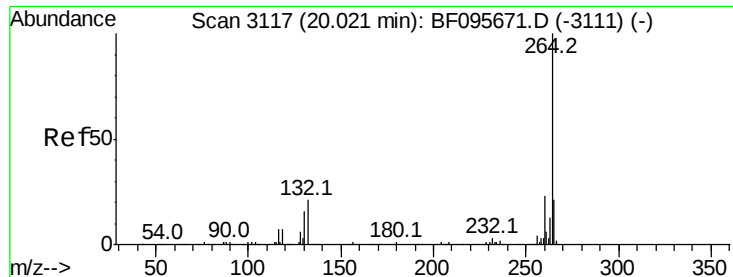


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

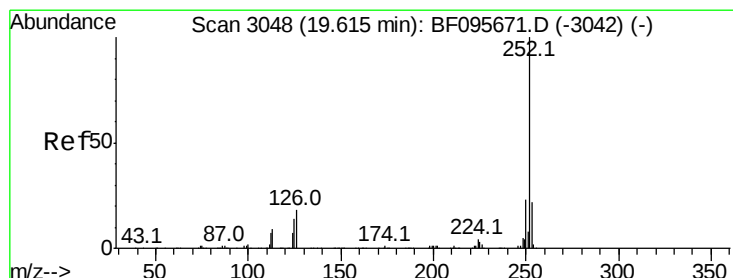
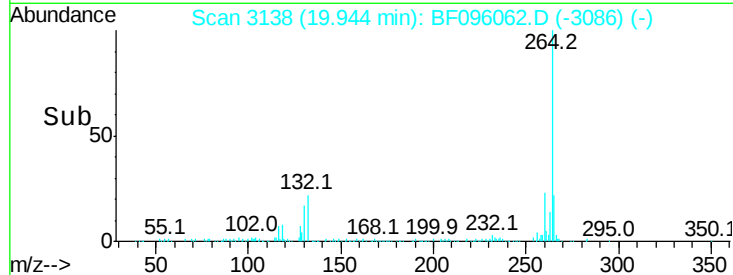
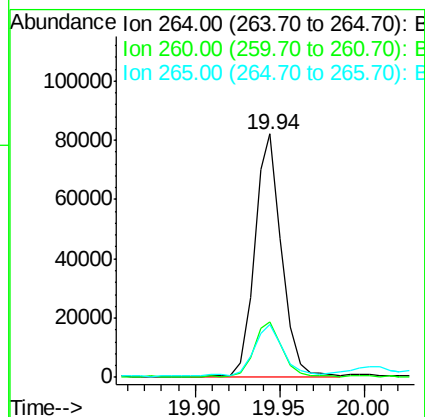
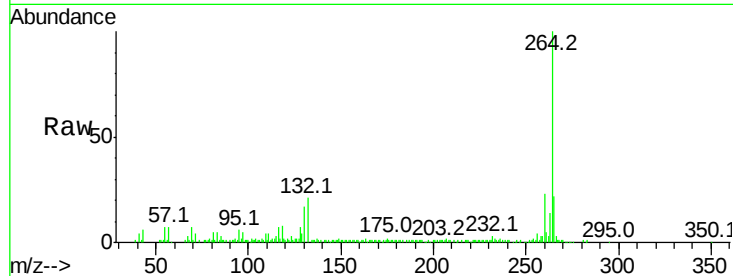




#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.94 min Scan# 3138
Delta R.T. 0.01 min
Lab File: BF096062.D
Acq: 21 Jun 2017 00:32

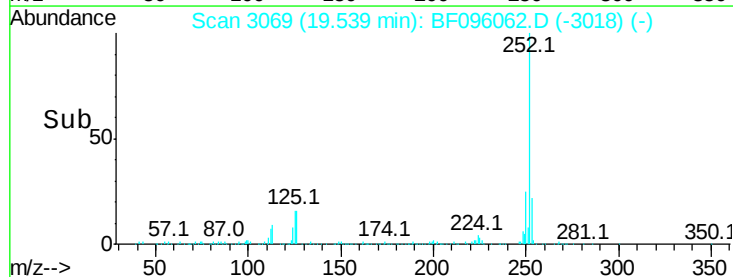
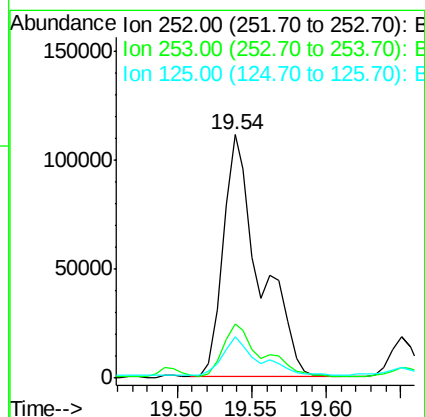
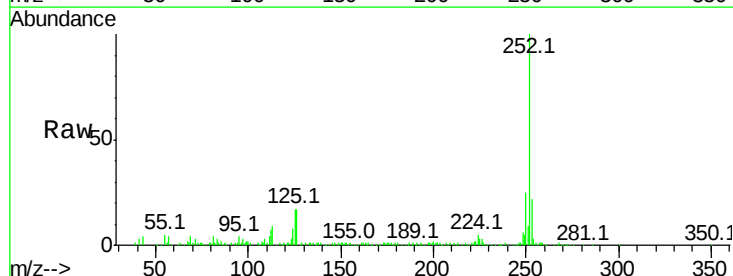
Instrument :
BNA_F
ClientSampleId :

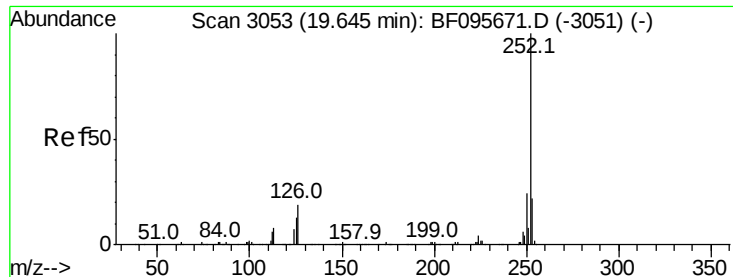
Tot Ion:264 Resp: 91171
Ion Ratio Lower Upper
264 100
260 22.7 19.5 29.3
265 21.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 33.60 ng
RT: 19.54 min Scan# 3069
Delta R.T. 0.00 min
Lab File: BF096062.D
Acq: 21 Jun 2017 00:32

Tgt Ion:252 Resp: 191844
Ion Ratio Lower Upper
252 100
253 22.0 18.1 27.1
125 16.8 9.8 14.8#

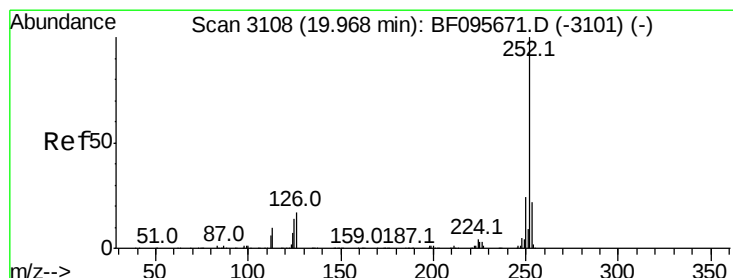
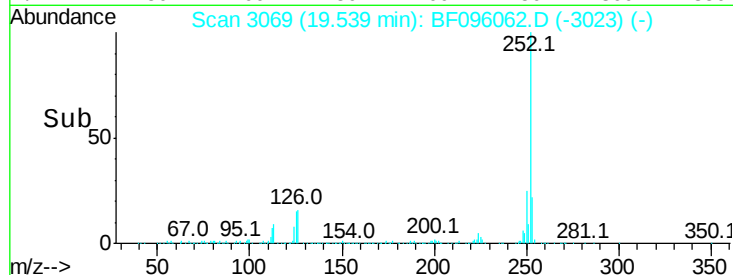
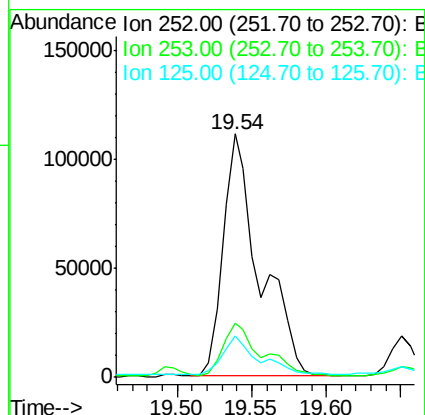
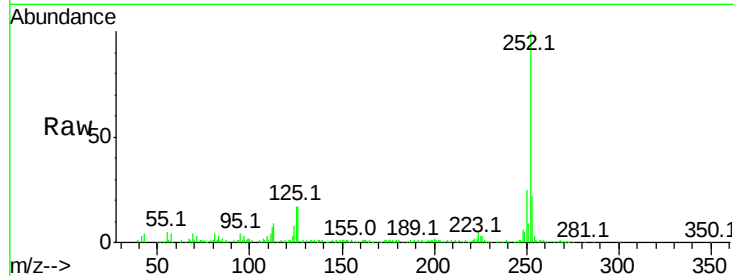




#88
Benzo(k)fluoranthene
Concen: 35.16 ng
RT: 19.54 min Scan# 3069
Delta R.T. -0.03 min
Lab File: BF096062.D
Acq: 21 Jun 2017 00:32

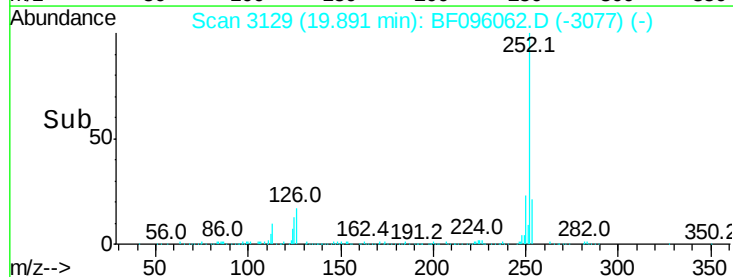
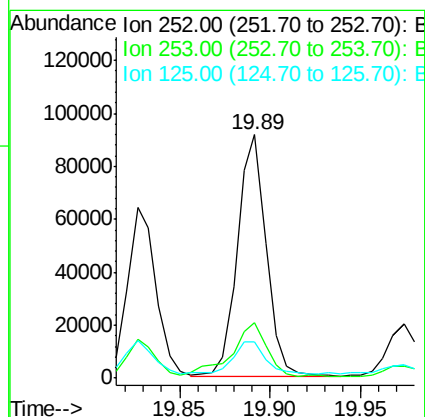
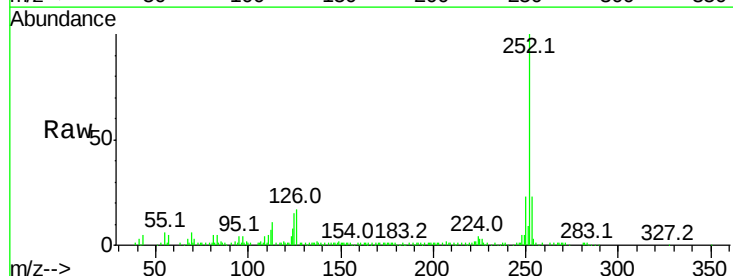
Instrument :
BNA_F
ClientSampleId :

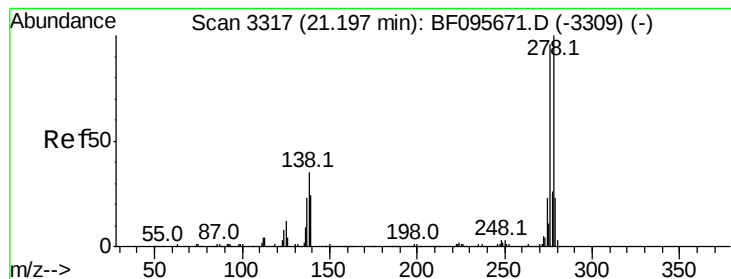
Tot Ion:252 Resp: 191844
Ion Ratio Lower Upper
252 100
253 22.0 18.4 27.6
125 16.8 13.1 19.7



#89
Benzo(a)pyrene
Concen: 19.24 ng
RT: 19.89 min Scan# 3129
Delta R.T. 0.01 min
Lab File: BF096062.D
Acq: 21 Jun 2017 00:32

Tgt Ion:252 Resp: 100963
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 15.1 11.0 16.4





#90

Dibenzo(a,h)anthracene

Concen: 5.15 ng

RT: 21.10 min Scan# 3334

Delta R.T. 0.00 min

Lab File: BF096062.D

Acq: 21 Jun 2017 00:32

Instrument :

BNA_F

ClientSampleId :

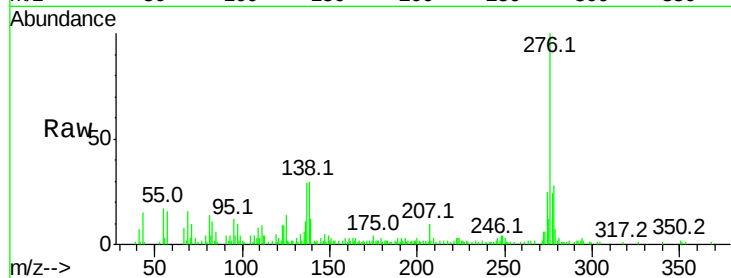
Tot Ion:278 Resp: 22933

Ion Ratio Lower Upper

278 100

139 42.4 16.6 24.8#

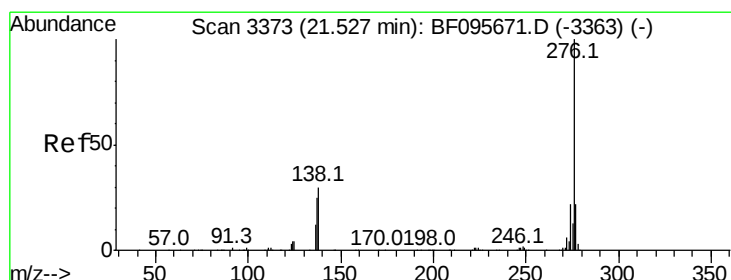
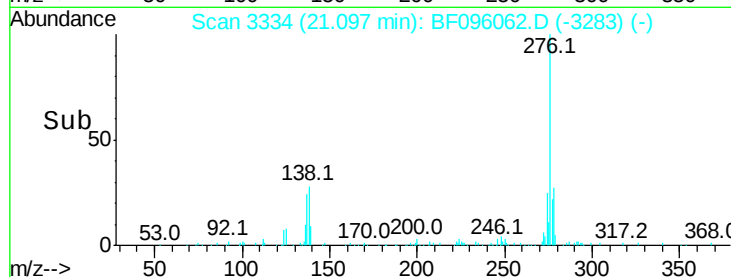
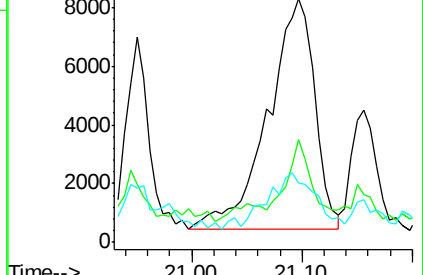
279 24.4 19.3 28.9



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 11.96 ng

RT: 21.43 min Scan# 3391

Delta R.T. 0.01 min

Lab File: BF096062.D

Acq: 21 Jun 2017 00:32

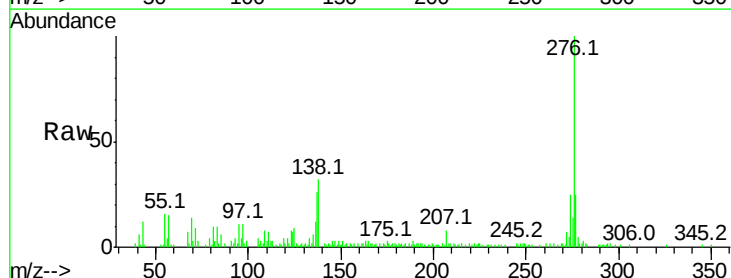
Tgt Ion:276 Resp: 54288

Ion Ratio Lower Upper

276 100

277 24.9 18.6 28.0

138 32.1 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

