

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061017\
 Data File : BF095863.D
 Acq On : 10 Jun 2017 23:25
 Operator : SJ/MA
 Sample : I3594-04 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 12 03:53:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

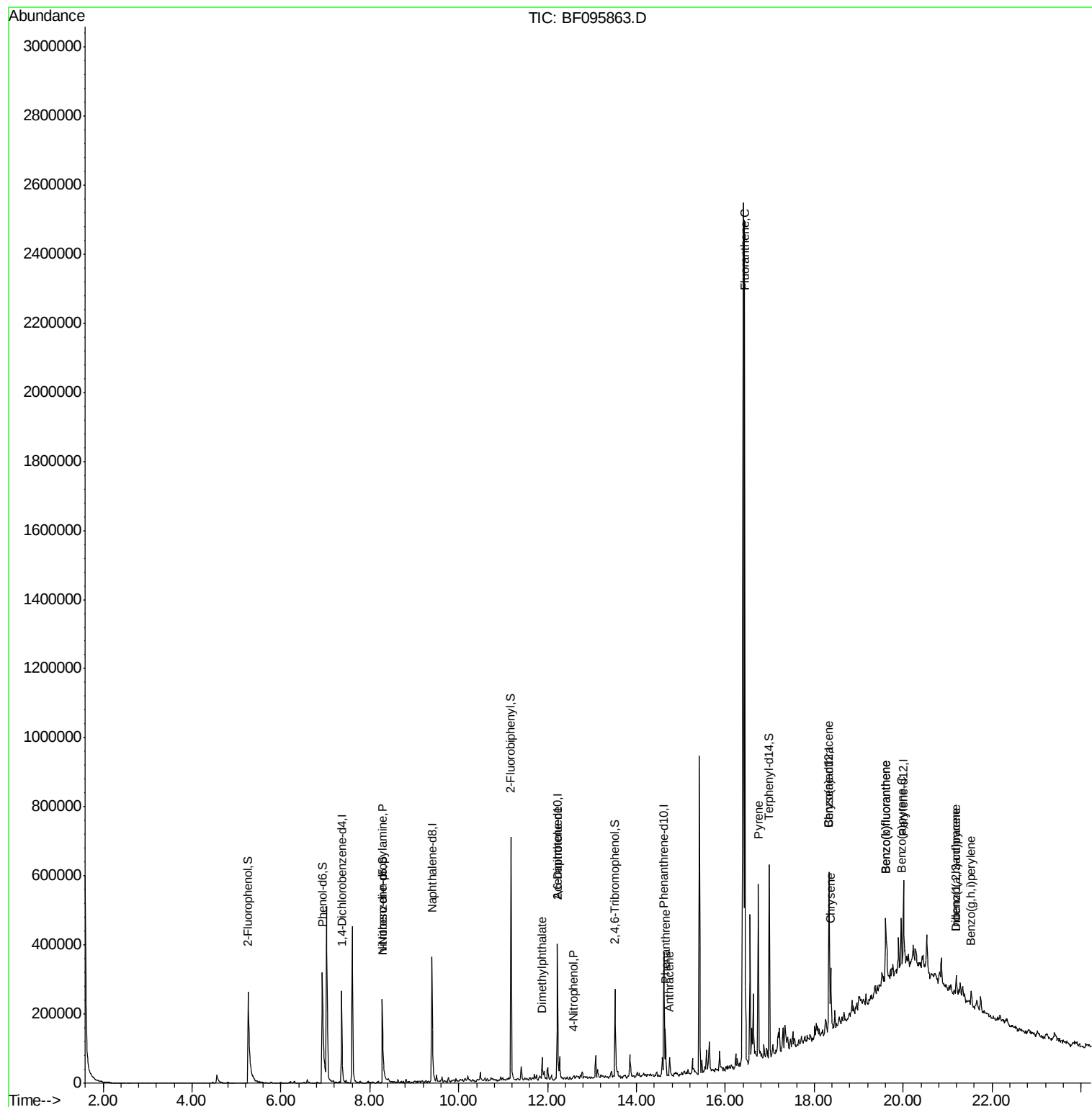
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	64465	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	255645	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	107051	20.00	ng	-0.04
63) Phenanthrene-d10	14.62	188	168220	20.00	ng	-0.03
75) Chrysene-d12	18.33	240	143851	20.00	ng	-0.02
86) Perylene-d12	20.01	264	105090	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	236487	58.46	ng	-0.02
7) Phenol-d6	6.93	99	289819	59.84	ng	-0.03
23) Nitrobenzene-d5	8.28	82	162873	39.57	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	45651	48.20	ng	-0.03
44) 2-Fluorobiphenyl	11.17	172	310127	40.31	ng	-0.04
78) Terphenyl-d14	16.99	244	206689	35.66	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.28	70	19881	6.48	ng	# 76
49) Dimethylphthalate	11.87	163	37413	4.60	ng	99
50) 2,6-Dinitrotoluene	12.22	165	13816	7.79	ng	# 31
55) 4-Nitrophenol	12.58	139	1287	5.63	ng	# 57
70) Phenanthrene	14.65	178	79311	8.17	ng	100
71) Anthracene	14.74	178	36044	3.56	ng	96
74) Fluoranthene	16.43	202	168082	17.50	ng	92
77) Pyrene	16.74	202	196590	18.32	ng	97
80) Benzo(a)anthracene	18.33	228	92068	11.01	ng	93
82) Chrysene	18.37	228	82182	9.83	ng	98
85) Indeno(1,2,3-cd)pyrene	21.20	276	33340	4.66	ng	94
87) Benzo(b)fluoranthene	19.60	252	123283	18.73	ng	# 94
88) Benzo(k)fluoranthene	19.60	252	123283	19.60	ng	98
89) Benzo(a)pyrene	19.96	252	66696	11.03	ng	# 92
90) Dibenzo(a,h)anthracene	21.19	278	11205	2.18	ng	# 66
91) Benzo(g,h,i)perylene	21.53	276	30694	5.87	ng	93

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

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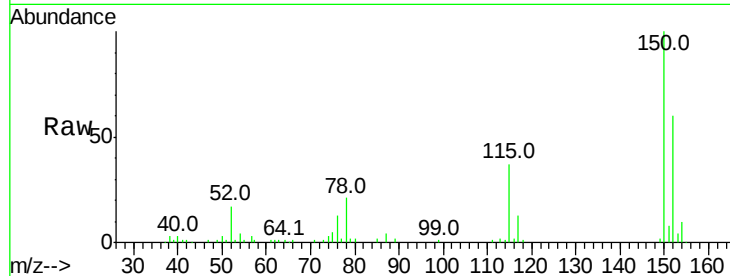


#1

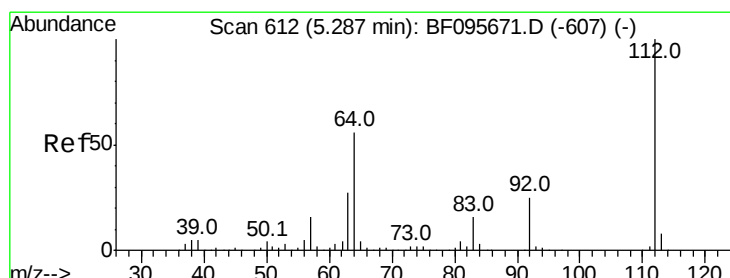
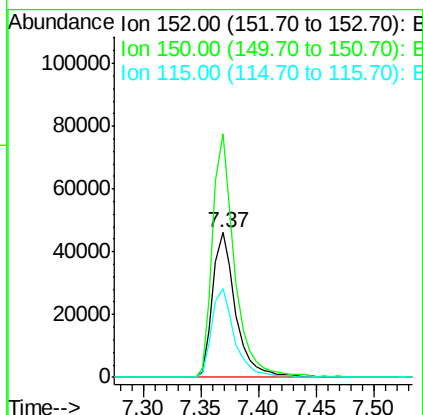
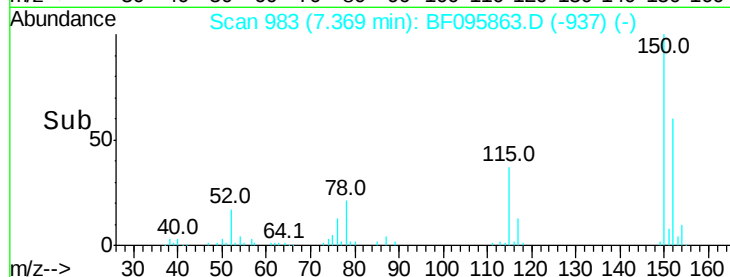
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 983
Delta R.T. -0.03 min
Lab File: BF095863.D
Acq: 10 Jun 2017 23:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 64465
Ion Ratio Lower Upper
152 100
150 167.9 126.2 189.2
115 61.5 52.2 78.2



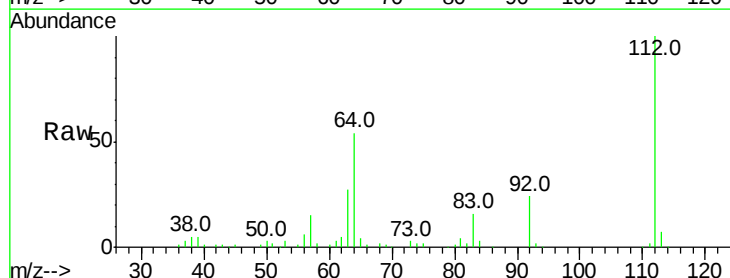
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



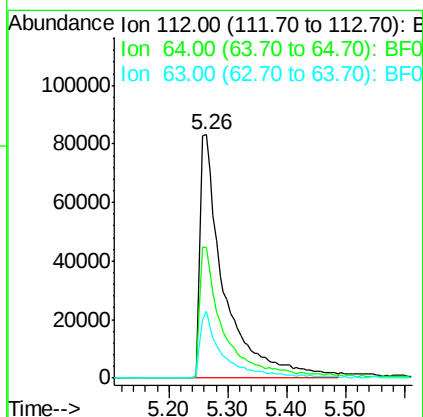
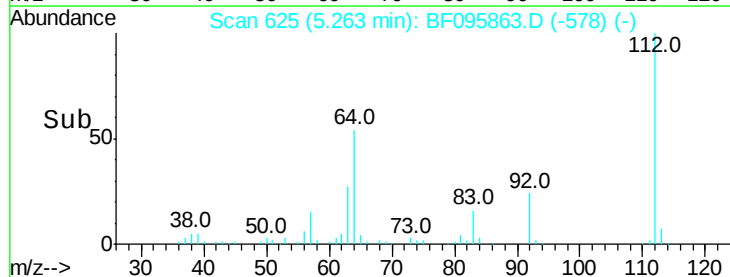
#5

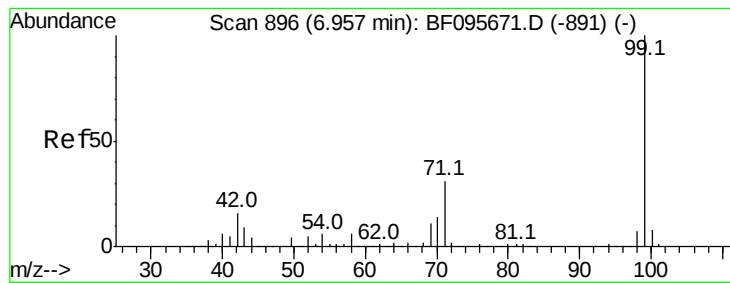
2-Fluorophenol
Concen: 58.46 ng
RT: 5.26 min Scan# 625
Delta R.T. -0.02 min
Lab File: BF095863.D
Acq: 10 Jun 2017 23:25

Tgt Ion:112 Resp: 236487
Ion Ratio Lower Upper
112 100
64 53.9 46.0 69.0
63 27.5 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: 59.84 ng

RT: 6.93 min Scan# 908

Delta R.T. -0.03 min

Lab File: BF095863.D

Acq: 10 Jun 2017 23:25

Instrument :

BNA_F

ClientSampled :

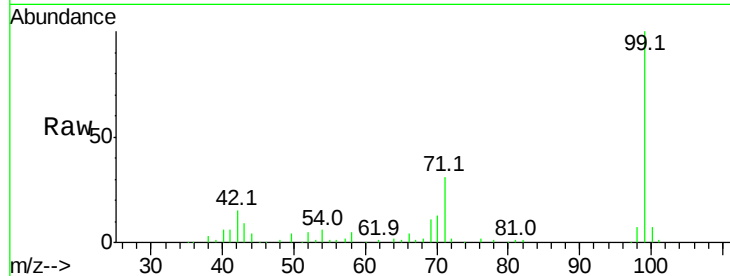
Tot Ion: 99 Resp: 289819

Ion Ratio Lower Upper

99 100

42 15.1 13.5 20.3

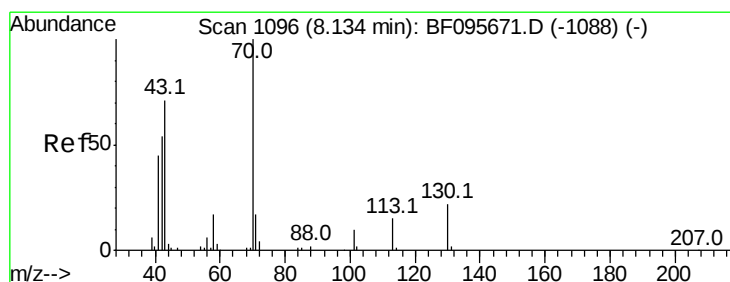
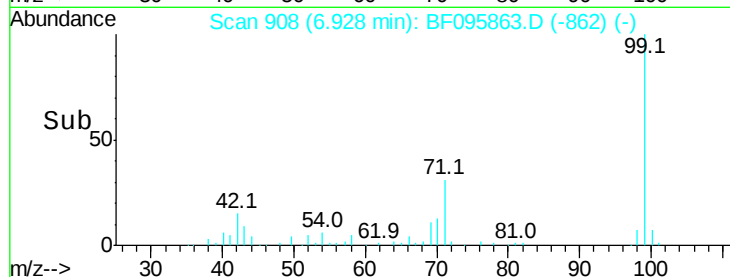
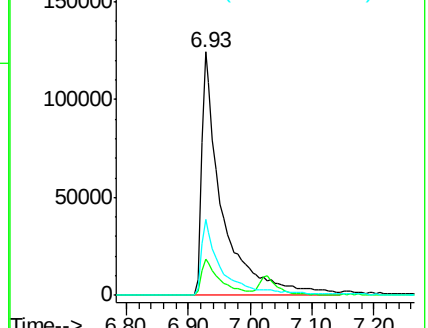
71 31.3 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 6.48 ng

RT: 8.28 min Scan# 1138

Delta R.T. 0.15 min

Lab File: BF095863.D

Acq: 10 Jun 2017 23:25

Tgt Ion: 70 Resp: 19881

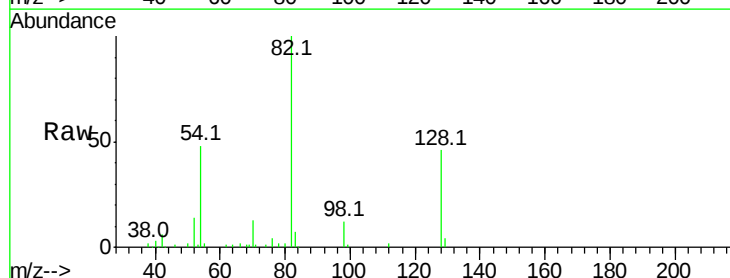
Ion Ratio Lower Upper

70 100

42 46.0 47.2 70.8#

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

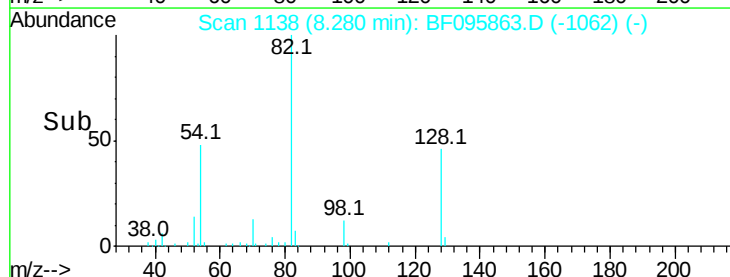
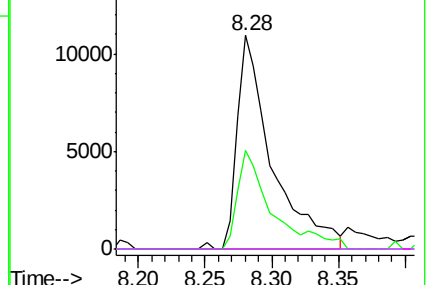


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.40 min Scan# 1328

Delta R.T. -0.04 min

Lab File: BF095863.D

Acq: 10 Jun 2017 23:25

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 255645

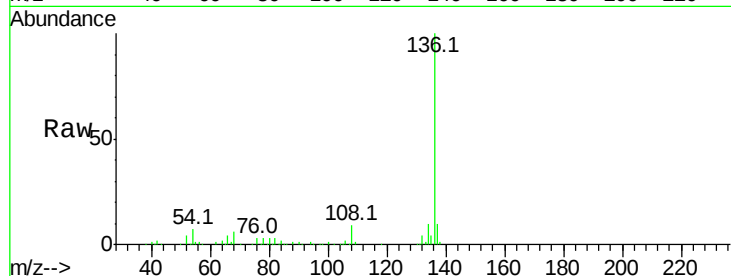
Ion Ratio Lower Upper

136 100

137 10.4 8.5 12.7

54 7.1 4.9 7.3

68 5.7 4.1 6.1

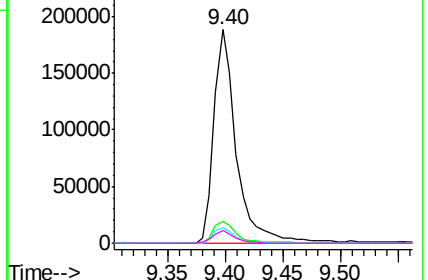
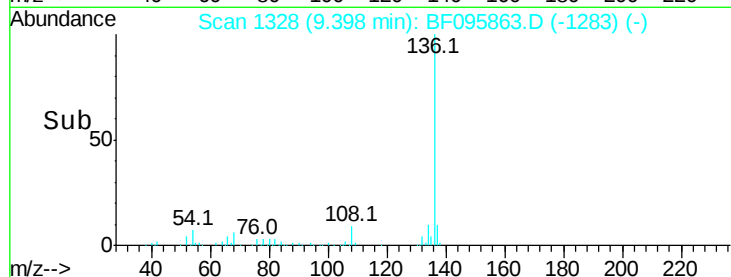


Abundance Ion 136.00 (135.70 to 136.70): E

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: 39.57 ng

RT: 8.28 min Scan# 1138

Delta R.T. -0.04 min

Lab File: BF095863.D

Acq: 10 Jun 2017 23:25

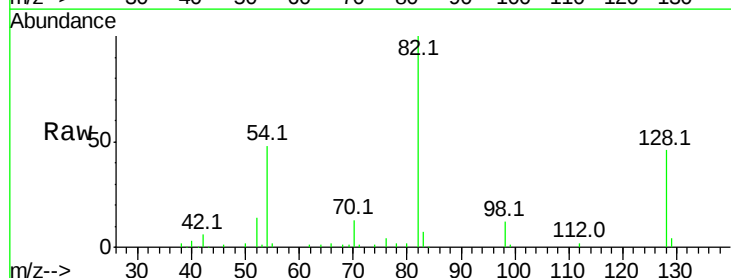
Tgt Ion: 82 Resp: 162873

Ion Ratio Lower Upper

82 100

128 45.9 34.0 51.0

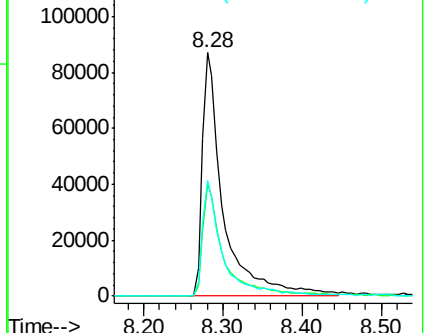
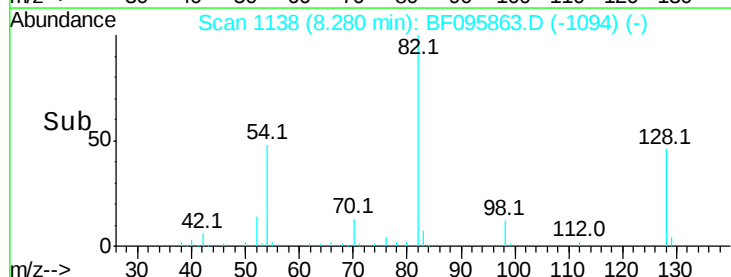
54 47.6 42.2 63.2



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: 12.22 min Scan# 1808

Delta R.T. -0.04 min

Lab File: BF095863.D

Acq: 10 Jun 2017 23:25

Instrument :

BNA_F

ClientSampleId :

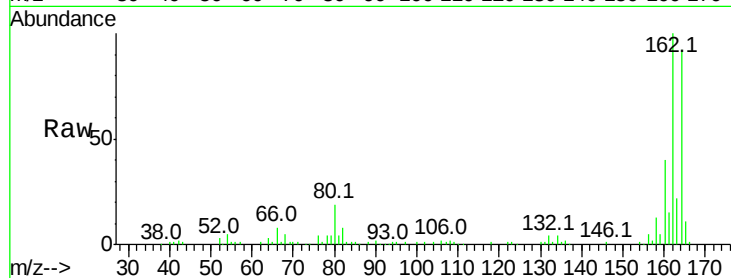
Tot Ion:164 Resp: 107051

Ion Ratio Lower Upper

164 100

162 108.9 82.6 123.8

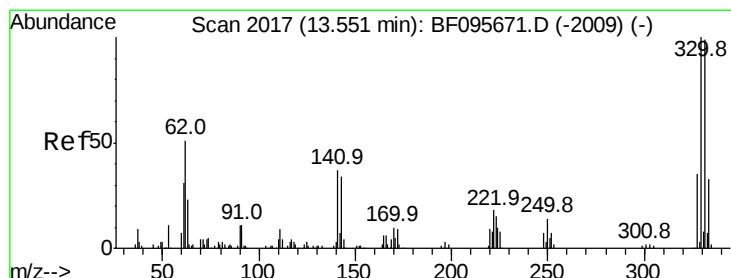
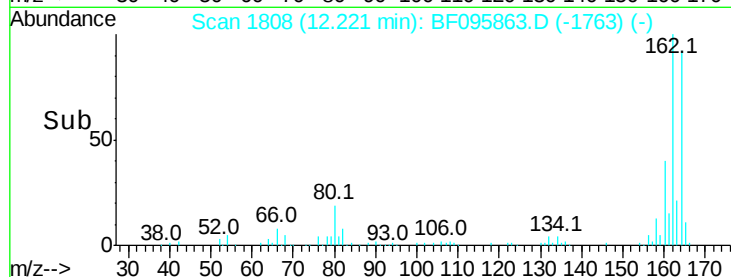
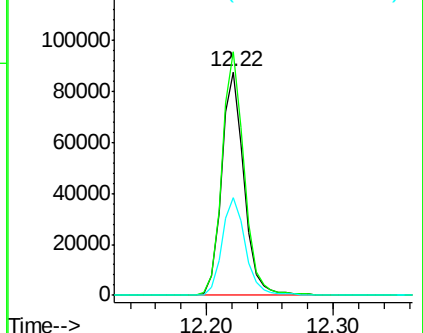
160 43.5 36.2 54.2



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: 48.20 ng

RT: 13.52 min Scan# 2029

Delta R.T. -0.03 min

Lab File: BF095863.D

Acq: 10 Jun 2017 23:25

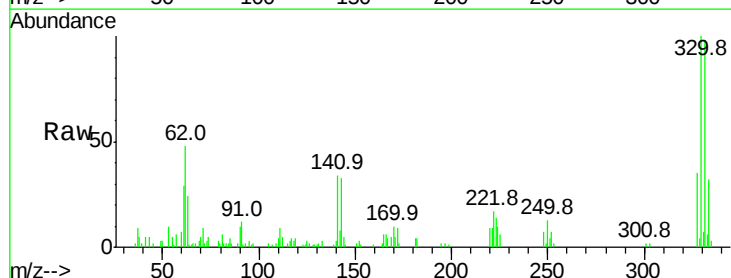
Tgt Ion:330 Resp: 45651

Ion Ratio Lower Upper

330 100

332 97.7 76.6 115.0

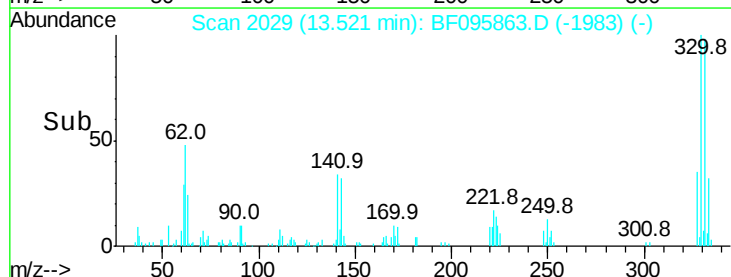
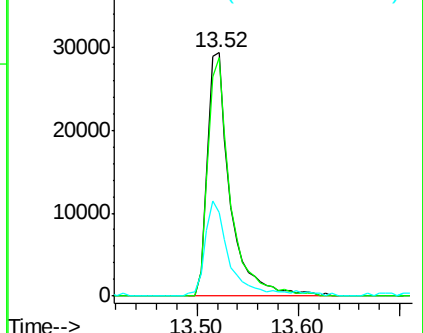
141 41.1 31.4 47.2

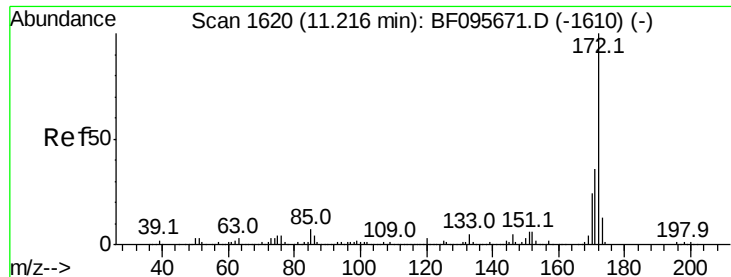


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

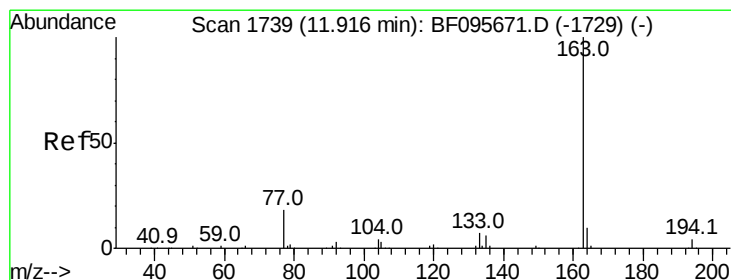
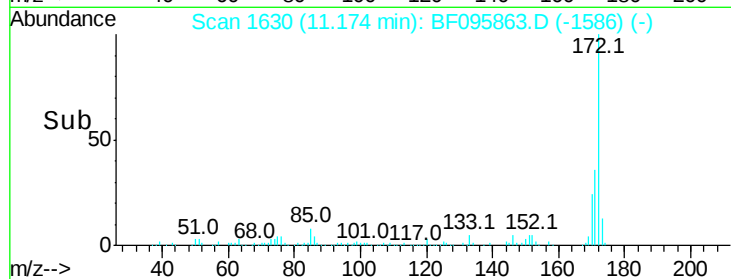
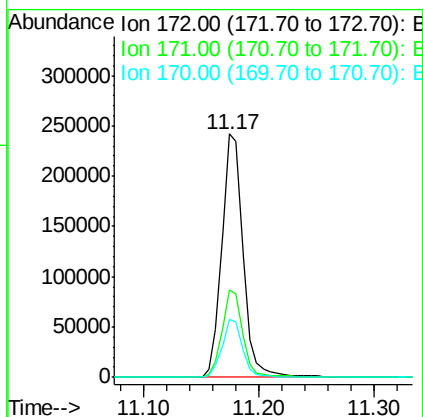
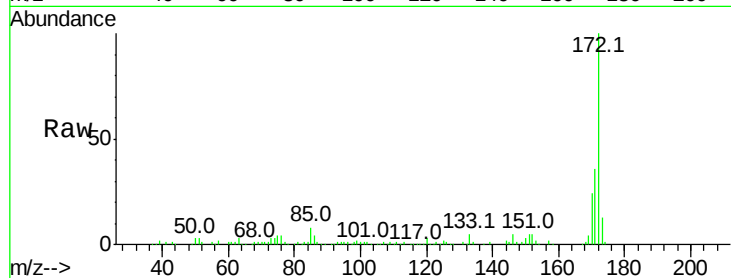




#44
2-Fluorobiphenyl
Concen: 40.31 ng
RT: 11.17 min Scan# 1630
Delta R.T. -0.04 min
Lab File: BF095863.D
Acq: 10 Jun 2017 23:25

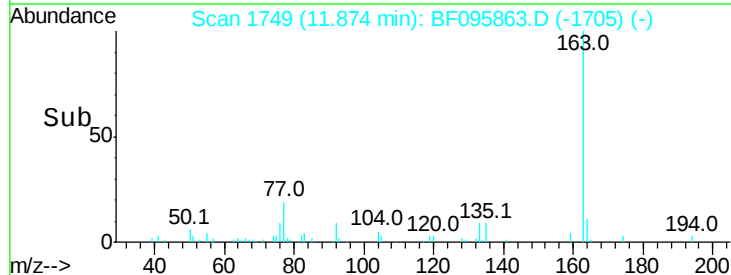
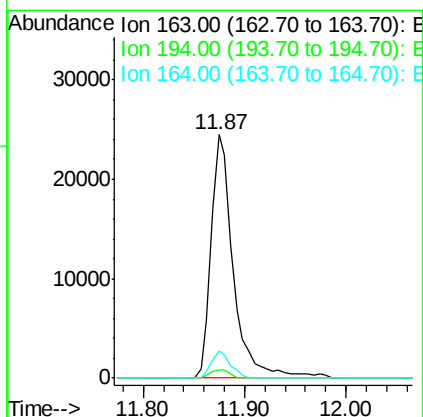
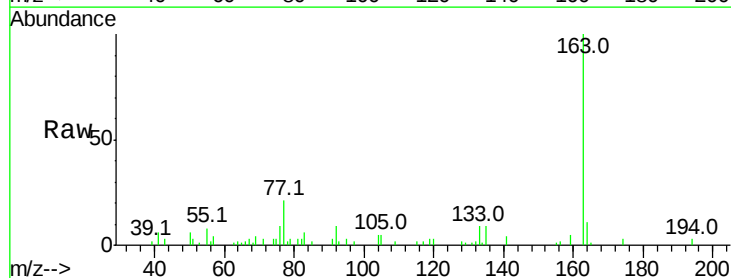
Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	23.7	19.8	29.8



#49
Dimethylphthalate
Concen: 4.60 ng
RT: 11.87 min Scan# 1749
Delta R.T. -0.04 min
Lab File: BF095863.D
Acq: 10 Jun 2017 23:25

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	11.1	8.4	12.6

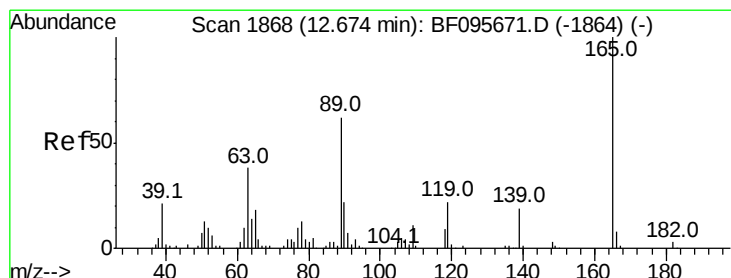
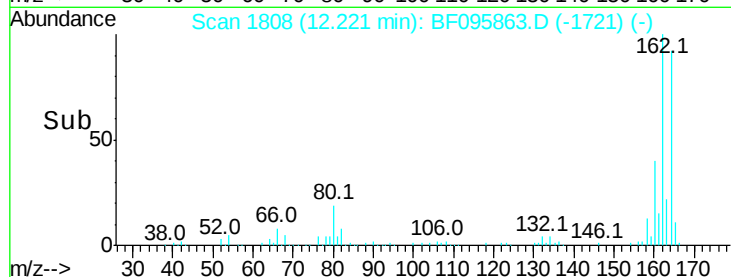
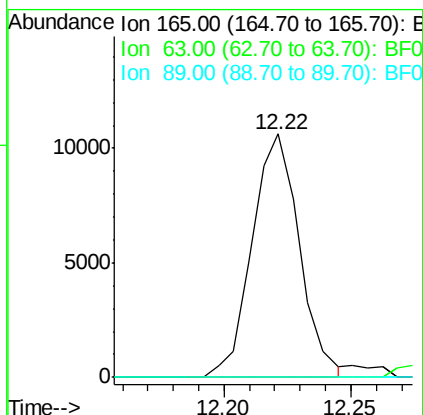
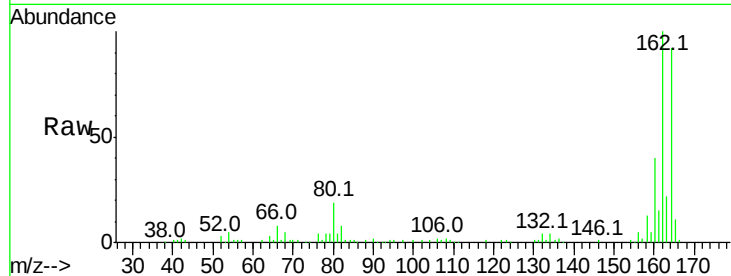




#50
 2,6-Dinitrotoluene
 Concen: 7.79 ng
 RT: 12.22 min Scan# 1808
 Delta R.T. 0.21 min
 Lab File: BF095863.D
 Acq: 10 Jun 2017 23:25

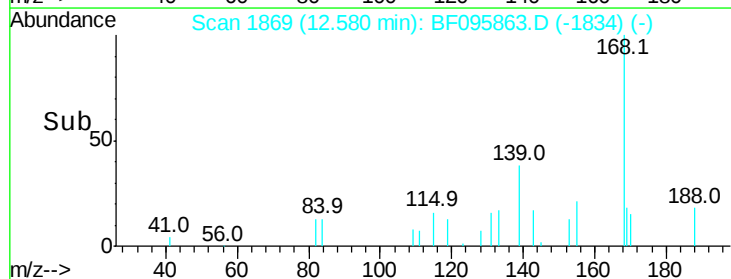
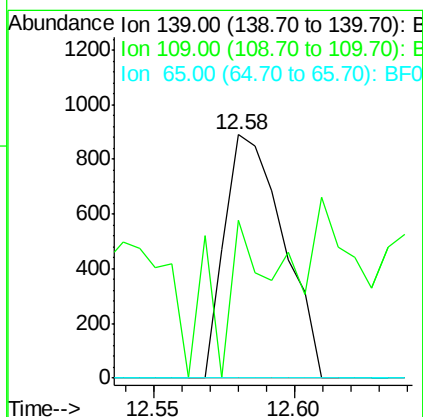
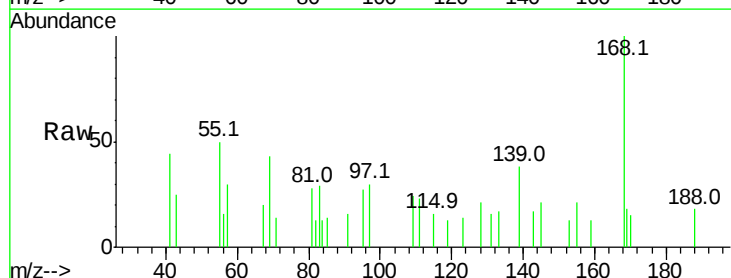
Instrument :
 BNA_F
 ClientSampleId :

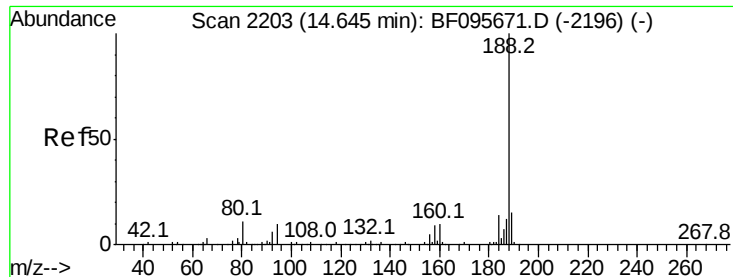
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#



#55
 4-Nitrophenol
 Concen: 5.63 ng
 RT: 12.58 min Scan# 1869
 Delta R.T. -0.09 min
 Lab File: BF095863.D
 Acq: 10 Jun 2017 23:25

Tgt Ion	Ratio	Lower	Upper
139	100		
109	64.6	34.1	74.1
65	0.0	31.4	71.4#

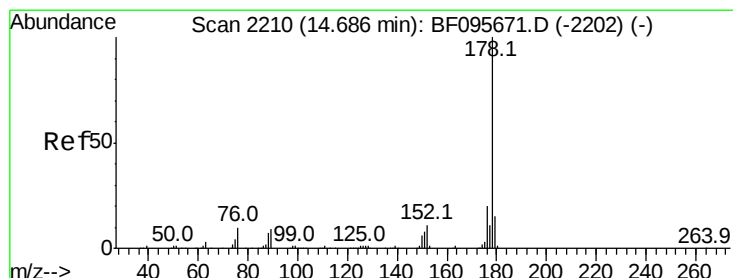
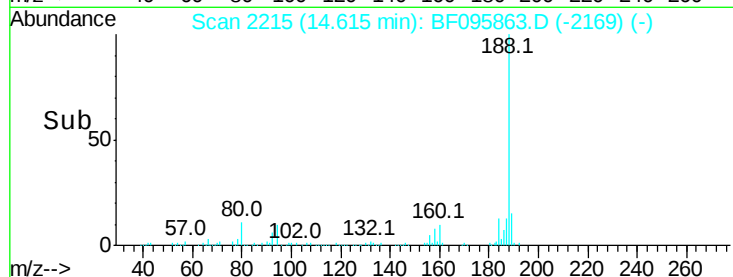
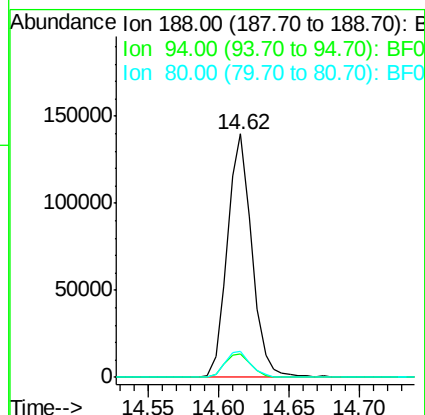
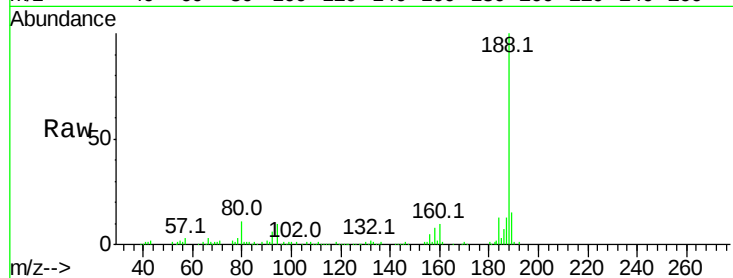




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.62 min Scan# 2215
Delta R.T. -0.03 min
Lab File: BF095863.D
Acq: 10 Jun 2017 23:25

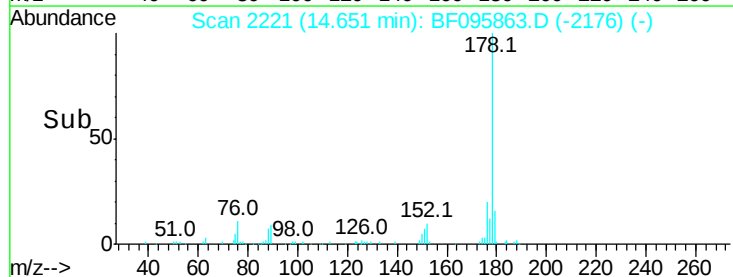
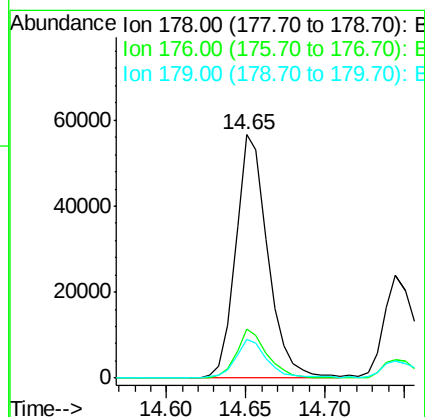
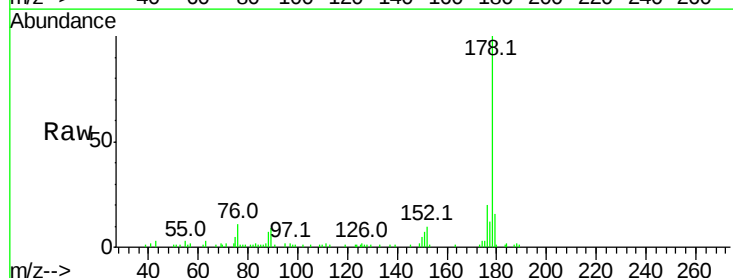
Instrument :
BNA_F
ClientSampleId :

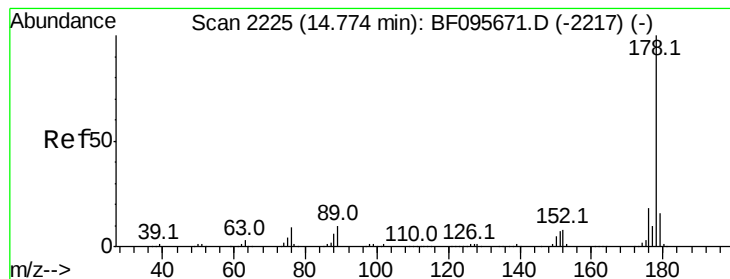
Tot Ion:188 Resp: 168220
Ion Ratio Lower Upper
188 100
94 9.8 9.4 14.2
80 10.7 10.2 15.2



#70
Phenanthrene
Concen: 8.17 ng
RT: 14.65 min Scan# 2221
Delta R.T. -0.04 min
Lab File: BF095863.D
Acq: 10 Jun 2017 23:25

Tgt Ion:178 Resp: 79311
Ion Ratio Lower Upper
178 100
176 20.2 16.2 24.4
179 15.9 12.6 19.0





#71

Anthracene

Concen: 3.56 ng

RT: 14.74 min Scan# 2237

Delta R.T. -0.03 min

Lab File: BF095863.D

Acq: 10 Jun 2017 23:25

Instrument :

BNA_F

ClientSampled :

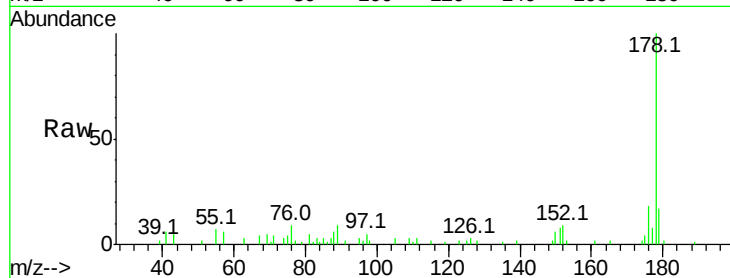
Tot Ion:178 Resp: 36044

Ion Ratio Lower Upper

178 100

176 17.5 15.8 23.8

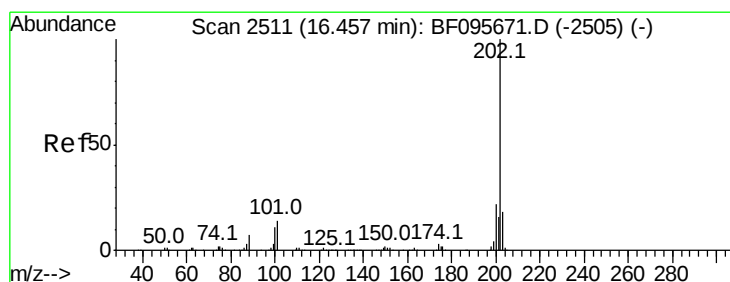
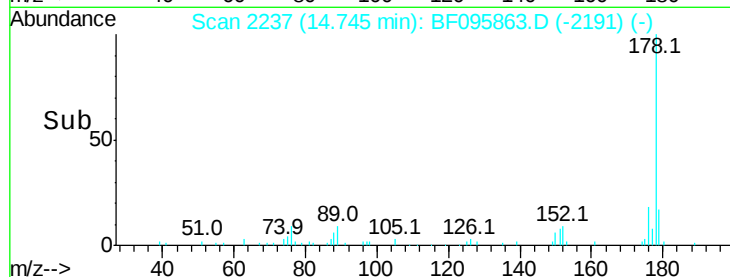
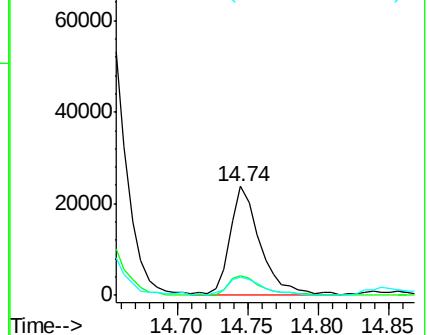
179 16.8 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 17.50 ng

RT: 16.43 min Scan# 2524

Delta R.T. -0.02 min

Lab File: BF095863.D

Acq: 10 Jun 2017 23:25

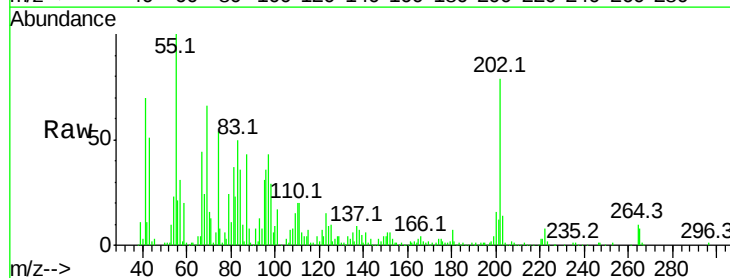
Tgt Ion:202 Resp: 168082

Ion Ratio Lower Upper

202 100

101 21.1 0.0 33.2

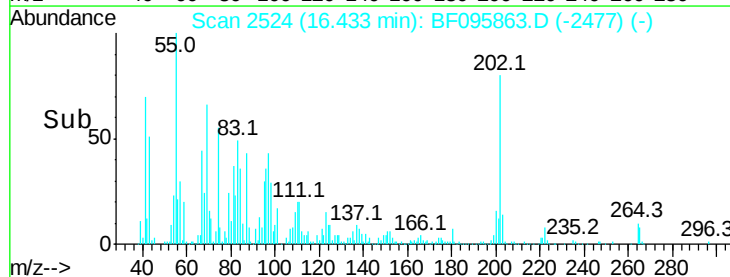
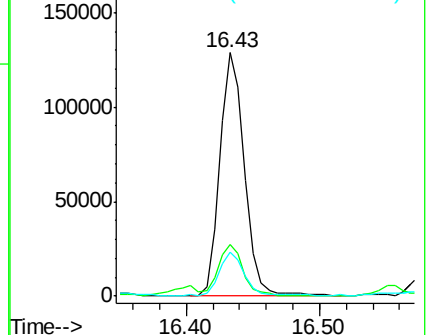
203 18.0 0.0 38.1

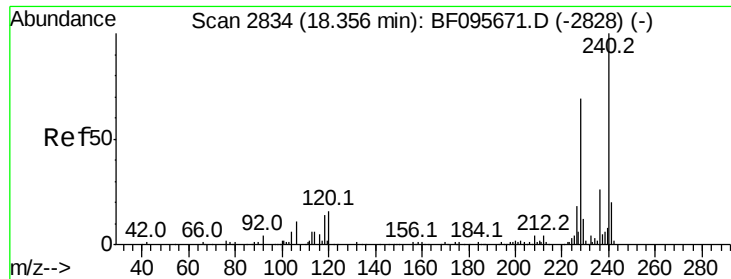


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.33 min Scan# 2847

Delta R.T. -0.02 min

Lab File: BF095863.D

Acq: 10 Jun 2017 23:25

Instrument :

BNA_F

ClientSampleId :

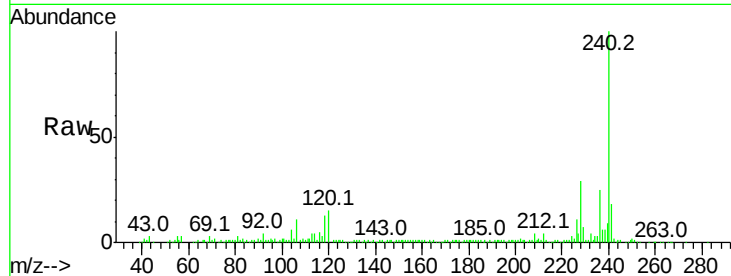
Tot Ion:240 Resp: 143851

Ion Ratio Lower Upper

240 100

120 15.1 5.8 8.8#

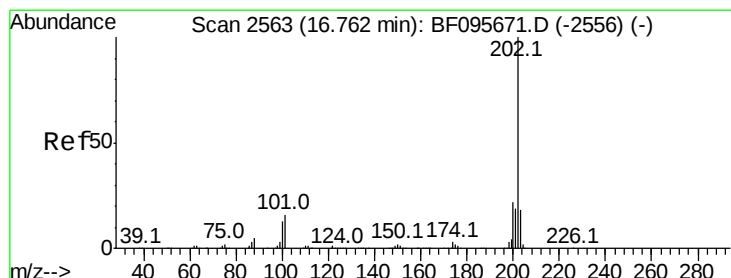
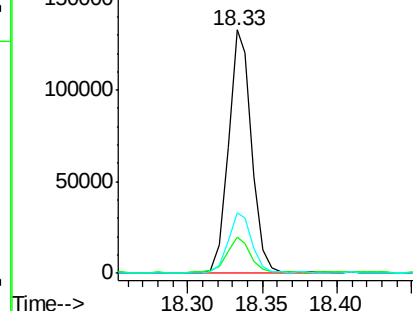
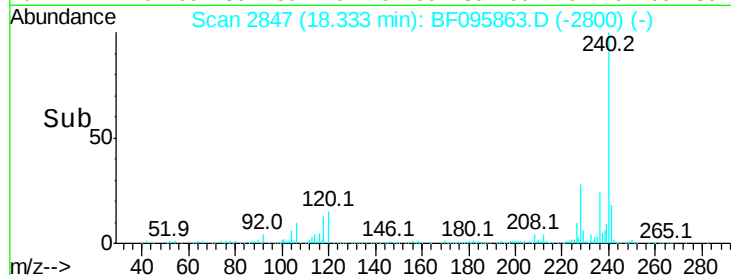
236 24.7 20.5 30.7



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: 18.32 ng

RT: 16.74 min Scan# 2576

Delta R.T. -0.02 min

Lab File: BF095863.D

Acq: 10 Jun 2017 23:25

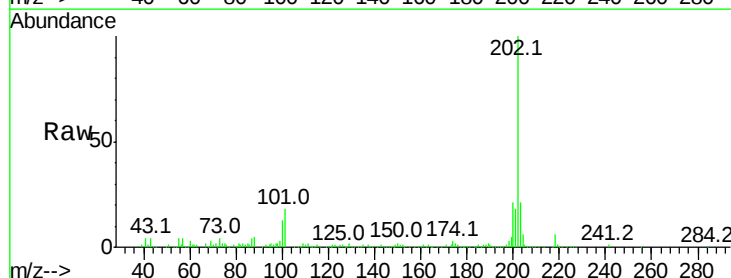
Tgt Ion:202 Resp: 196590

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

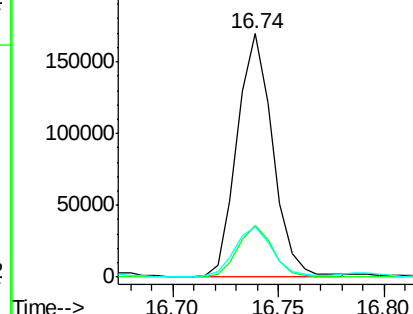
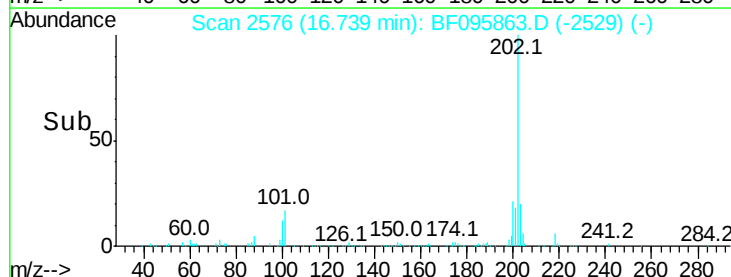
203 20.7 14.4 21.6

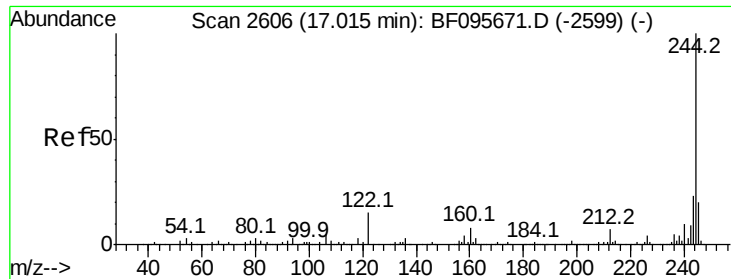


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 35.66 ng

RT: 16.99 min Scan# 2619

Delta R.T. -0.02 min

Lab File: BF095863.D

Acq: 10 Jun 2017 23:25

Instrument :

BNA_F

ClientSampleId :

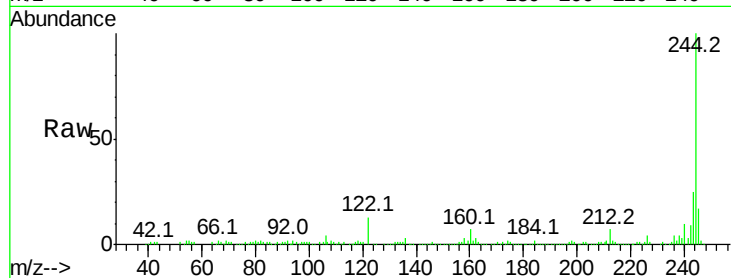
Tot Ion:244 Resp: 206689

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

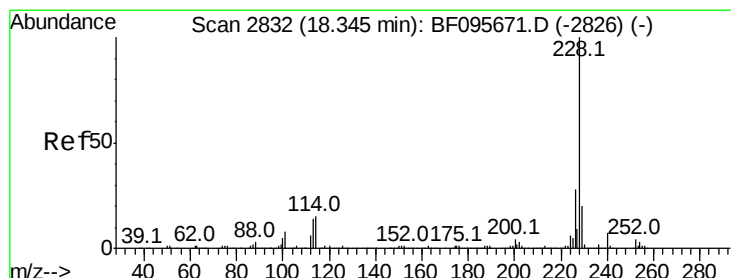
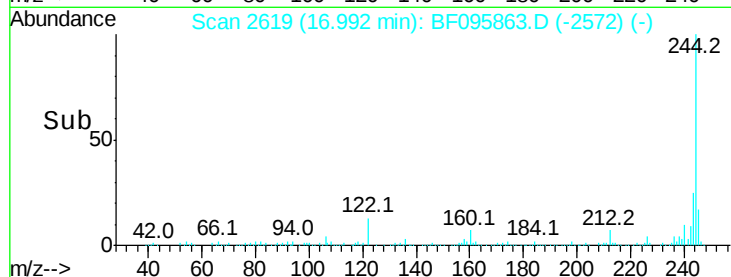
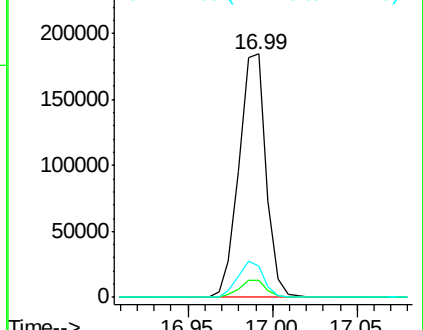
122 12.9 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 11.01 ng

RT: 18.33 min Scan# 2846

Delta R.T. -0.02 min

Lab File: BF095863.D

Acq: 10 Jun 2017 23:25

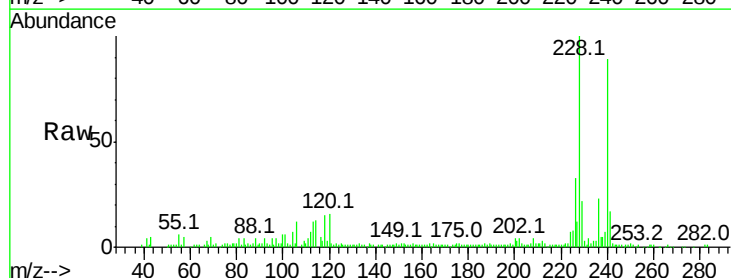
Tgt Ion:228 Resp: 92068

Ion Ratio Lower Upper

228 100

226 32.8 22.6 33.8

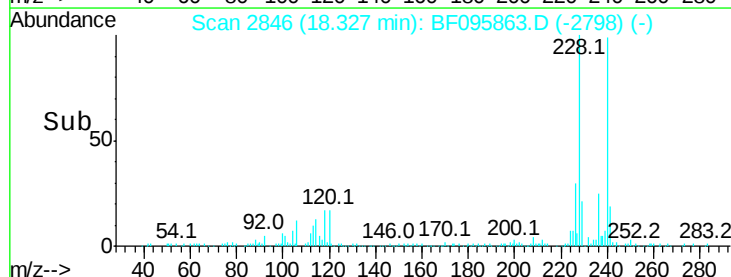
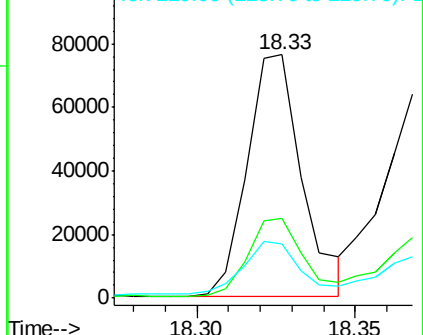
229 22.0 16.3 24.5

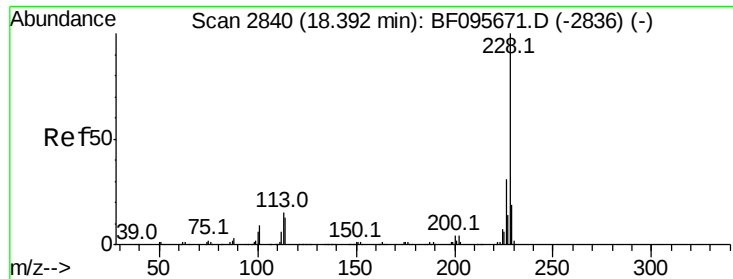


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.83 ng

RT: 18.37 min Scan# 2853

Delta R.T. -0.02 min

Lab File: BF095863.D

Acq: 10 Jun 2017 23:25

Instrument :

BNA_F

ClientSampled :

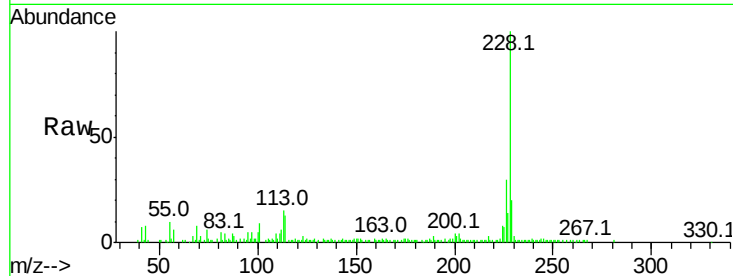
Tot Ion:228 Resp: 82182

Ion Ratio Lower Upper

228 100

226 29.8 24.9 37.3

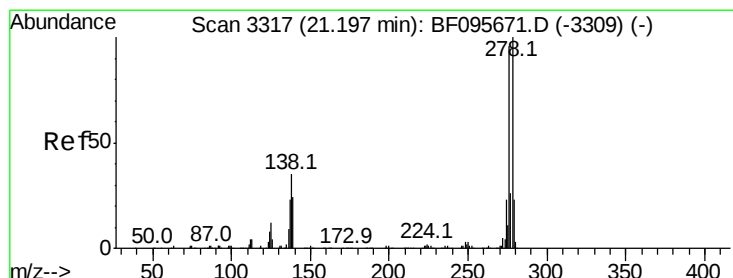
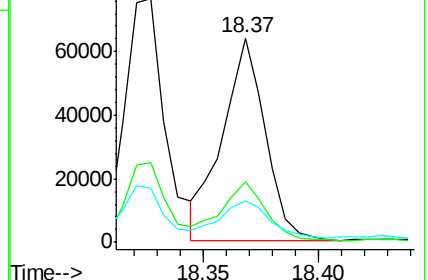
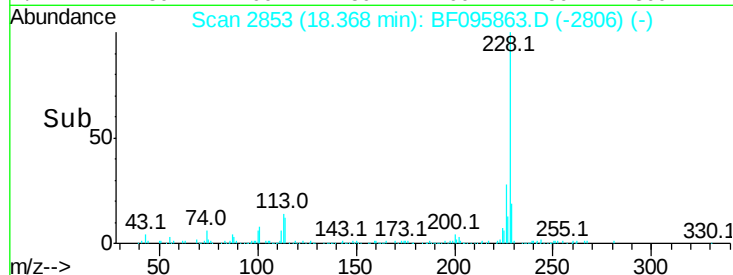
229 20.5 15.8 23.6



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: 4.66 ng

RT: 21.20 min Scan# 3334

Delta R.T. -0.00 min

Lab File: BF095863.D

Acq: 10 Jun 2017 23:25

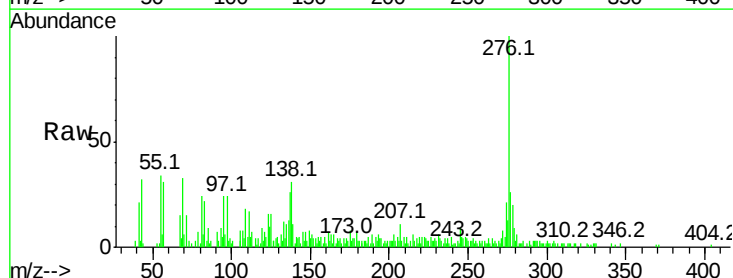
Tgt Ion:276 Resp: 33340

Ion Ratio Lower Upper

276 100

138 28.5 27.8 41.6

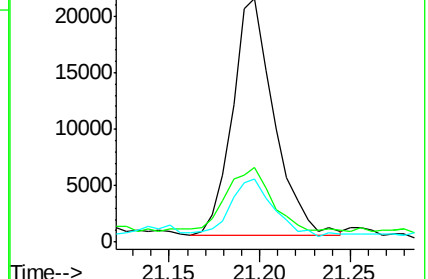
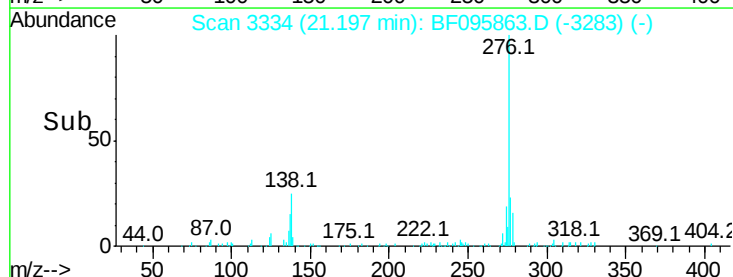
277 25.0 20.2 30.4

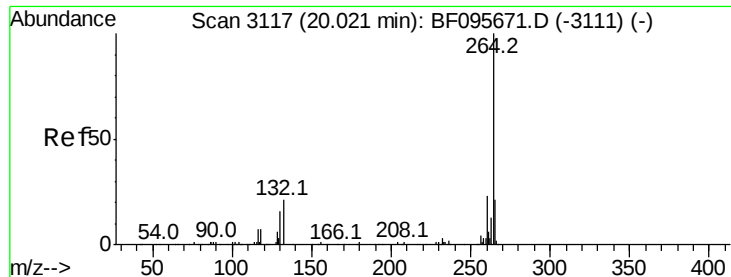


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



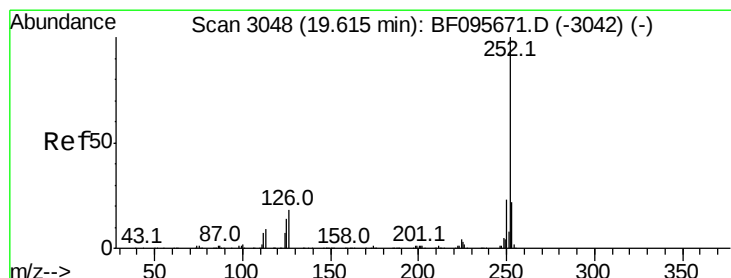
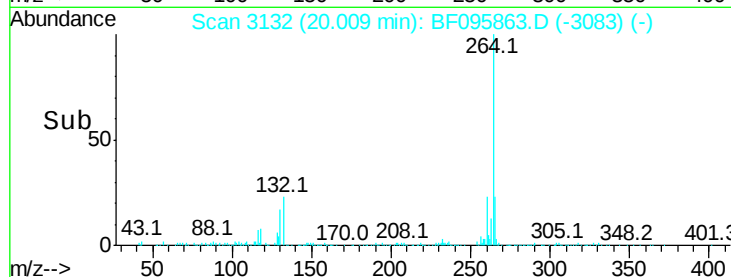
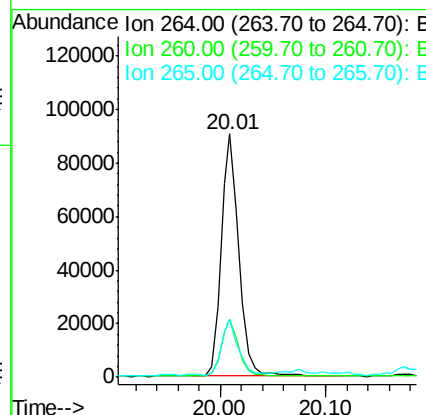
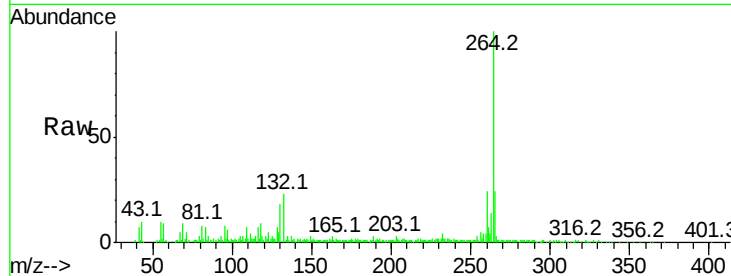


#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.01 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095863.D
Acq: 10 Jun 2017 23:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 105090

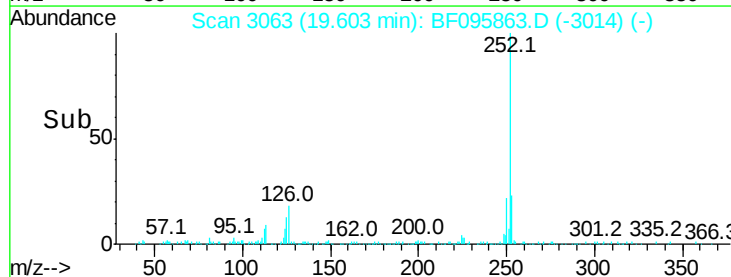
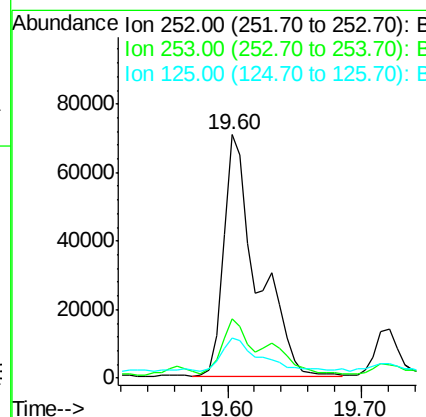
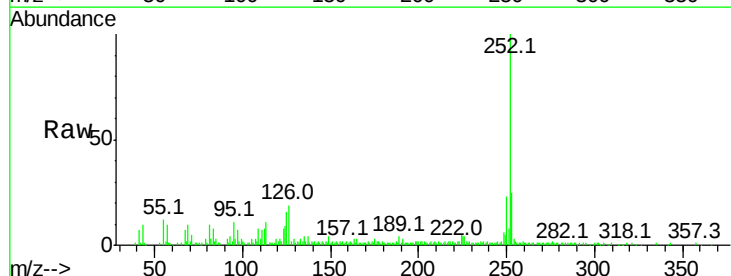
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	23.6	17.2	25.8

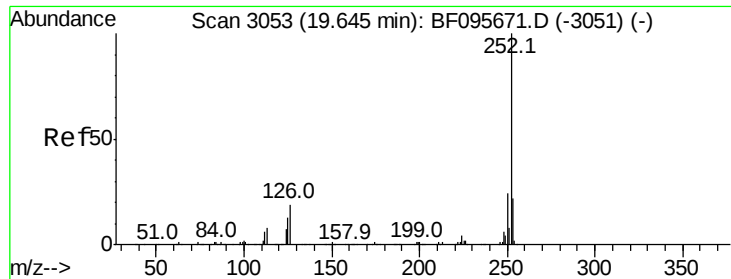


#87
Benzo(b)fluoranthene
Concen: 18.73 ng
RT: 19.60 min Scan# 3063
Delta R.T. -0.01 min
Lab File: BF095863.D
Acq: 10 Jun 2017 23:25

Tgt Ion:252 Resp: 123283

Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.1	27.1
125	16.3	9.8	14.8

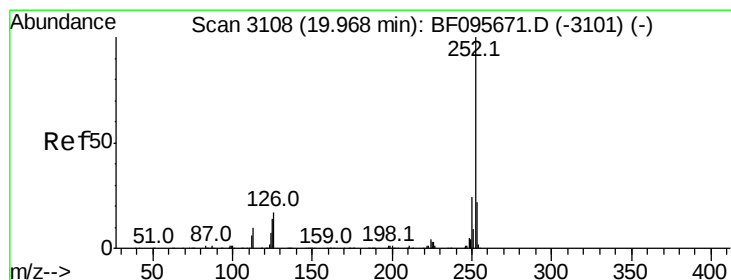
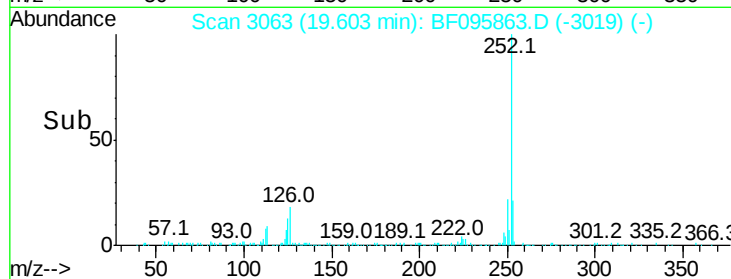
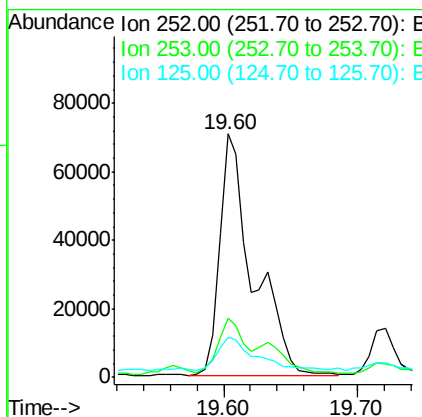
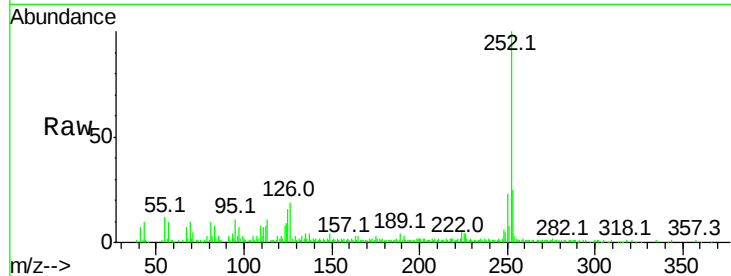




#88
Benzo(k)fluoranthene
Concen: 19.60 ng
RT: 19.60 min Scan# 3063
Delta R.T. -0.04 min
Lab File: BF095863.D
Acq: 10 Jun 2017 23:25

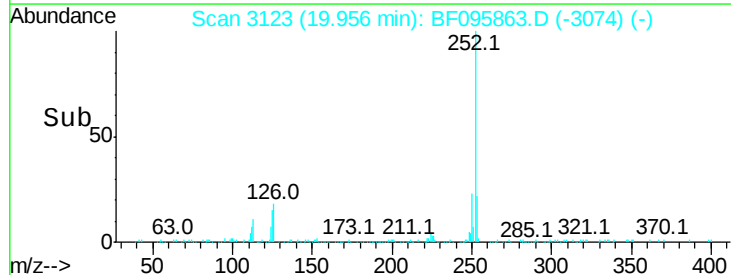
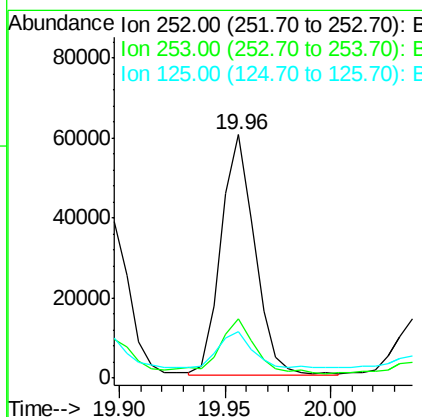
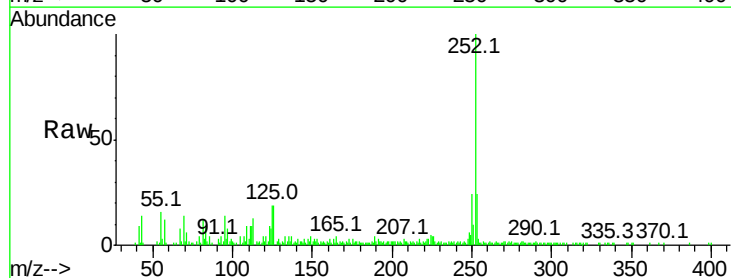
Instrument :
BNA_F
ClientSampleId :

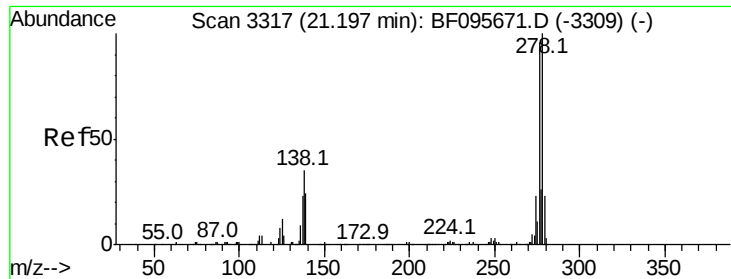
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.4	27.6
125	16.3	13.1	19.7



#89
Benzo(a)pyrene
Concen: 11.03 ng
RT: 19.96 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095863.D
Acq: 10 Jun 2017 23:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.5	26.3
125	19.2	11.0	16.4#





#90

Dibenzo(a,h)anthracene

Concen: 2.18 ng

RT: 21.19 min Scan# 3333

Delta R.T. -0.01 min

Lab File: BF095863.D

Acq: 10 Jun 2017 23:25

Instrument :

BNA_F

ClientSampleId :

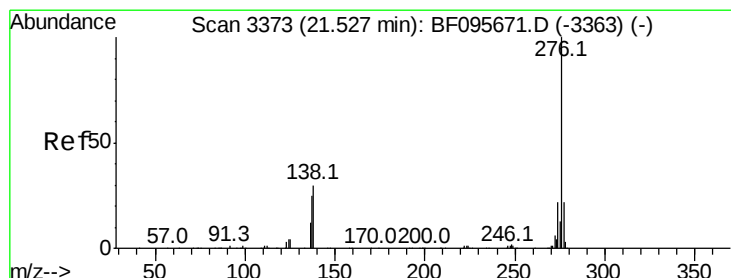
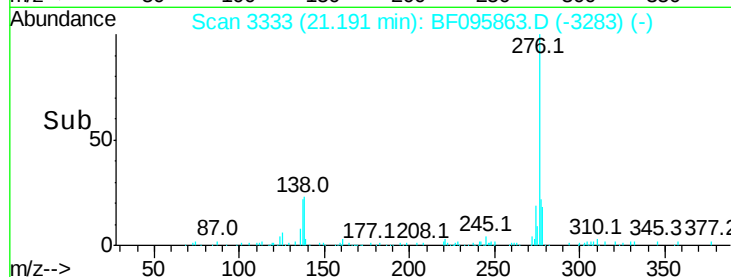
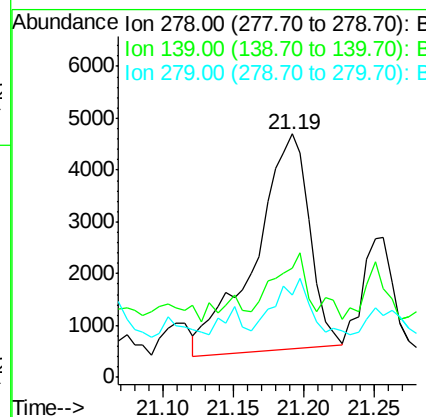
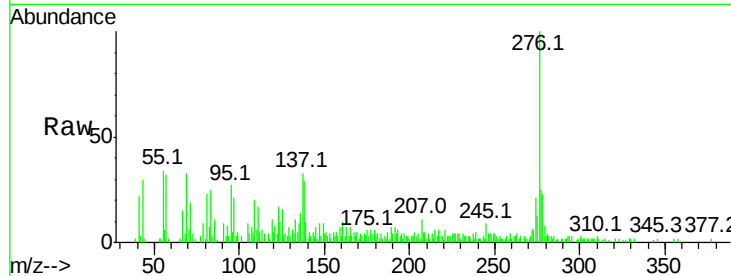
Tot Ion:278 Resp: 11205

Ion Ratio Lower Upper

278 100

139 44.8 16.6 24.8#

279 33.6 19.3 28.9#



#91

Benzo(g,h,i)perylene

Concen: 5.87 ng

RT: 21.53 min Scan# 3391

Delta R.T. 0.01 min

Lab File: BF095863.D

Acq: 10 Jun 2017 23:25

Tgt Ion:276 Resp: 30694

Ion Ratio Lower Upper

276 100

277 28.0 18.6 28.0

138 34.5 25.4 38.0

