

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060717\
 Data File : BF095758.D
 Acq On : 7 Jun 2017 21:39
 Operator : SJ/MA
 Sample : I3479-03 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 08 04:08:42 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

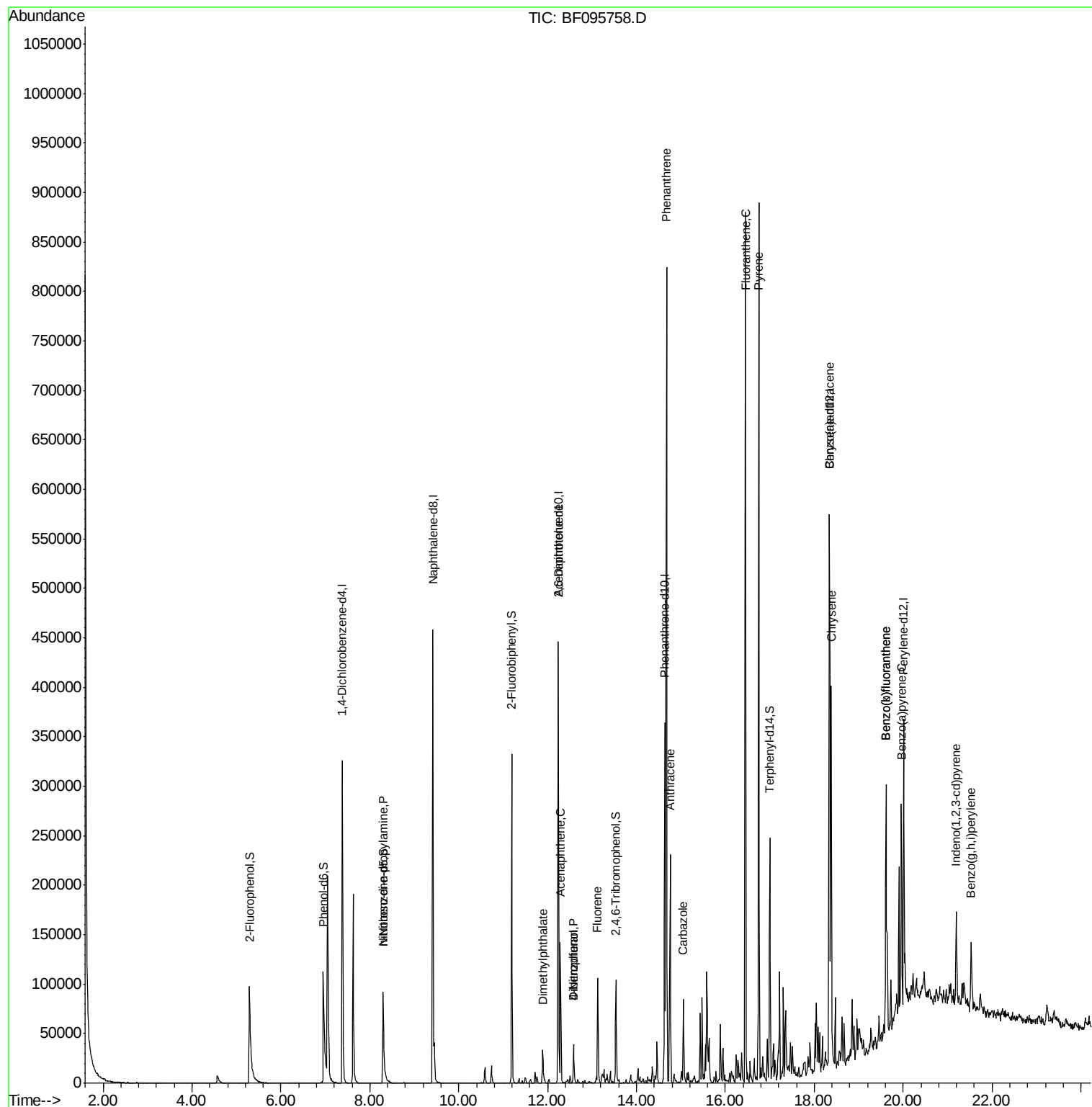
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	78865	20.00	ng	-0.02
21) Naphthalene-d8	9.42	136	302569	20.00	ng	-0.02
38) Acenaphthene-d10	12.24	164	119754	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	174131	20.00	ng	-0.01
75) Chrysene-d12	18.34	240	150990	20.00	ng	-0.01
86) Perylene-d12	20.02	264	112490	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	90111	18.21	ng	0.00
7) Phenol-d6	6.95	99	115753	19.54	ng	0.00
23) Nitrobenzene-d5	8.30	82	65370	13.42	ng	-0.02
41) 2,4,6-Tribromophenol	13.54	330	18057	17.04	ng	-0.01
44) 2-Fluorobiphenyl	11.19	172	144462	16.79	ng	-0.02
78) Terphenyl-d14	17.00	244	86038	14.14	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.30	70	7803	2.08	ng	# 82
49) Dimethylphthalate	11.89	163	23683	2.60	ng	# 98
50) 2,6-Dinitrotoluene	12.24	165	15366	7.75	ng	# 31
51) Acenaphthene	12.29	154	44169	5.80	ng	96
54) Dibenzofuran	12.59	168	27020	2.52	ng	95
55) 4-Nitrophenol	12.59	139	9828	11.49	ng	# 25
57) Fluorene	13.13	166	44162	4.73	ng	97
70) Phenanthrene	14.67	178	449293	44.72	ng	96
71) Anthracene	14.76	178	135044	12.87	ng	97
72) Carbazole	15.06	167	53366	5.22	ng	97
74) Fluoranthene	16.45	202	433589	43.60	ng	98
77) Pyrene	16.75	202	369271	32.78	ng	# 95
80) Benzo(a)anthracene	18.34	228	168784	19.23	ng	99
82) Chrysene	18.38	228	151658	17.29	ng	97
85) Indeno(1,2,3-cd)pyrene	21.20	276	44637	5.95	ng	93
87) Benzo(b)fluoranthene	19.62	252	177907	25.26	ng	96
88) Benzo(k)fluoranthene	19.62	252	177907	26.42	ng	95
89) Benzo(a)pyrene	19.96	252	95485	14.75	ng	97
91) Benzo(a,h,i)perylene	21.53	276	40046	7.15	ng	96

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

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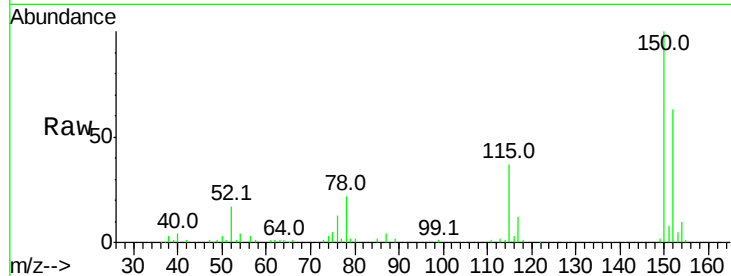


#1

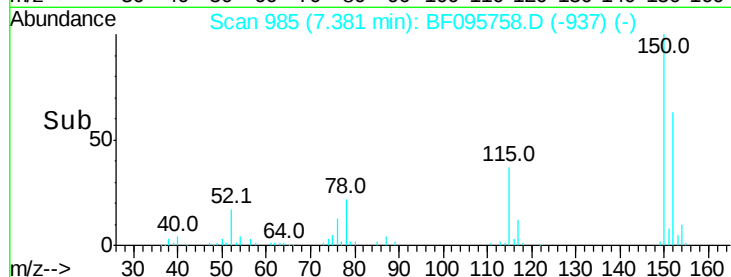
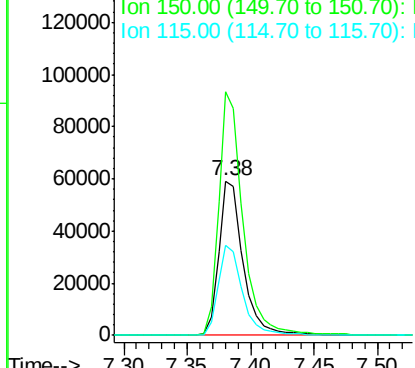
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.38 min Scan# 985
Delta R.T. -0.02 min
Lab File: BF095758.D
Acq: 7 Jun 2017 21:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 78865
Ion Ratio Lower Upper
152 100
150 157.8 126.2 189.2
115 58.6 52.2 78.2



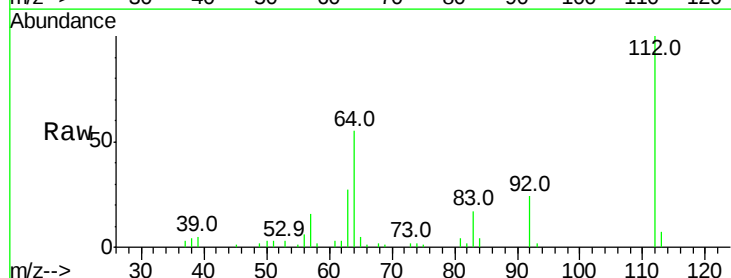
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



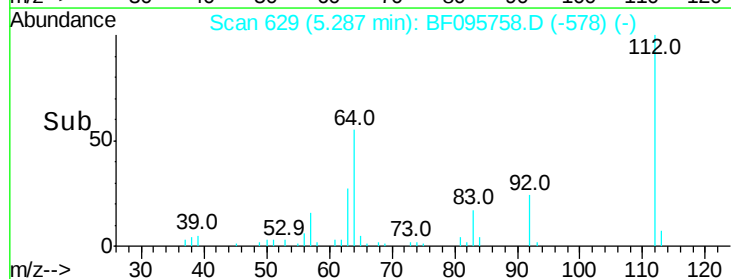
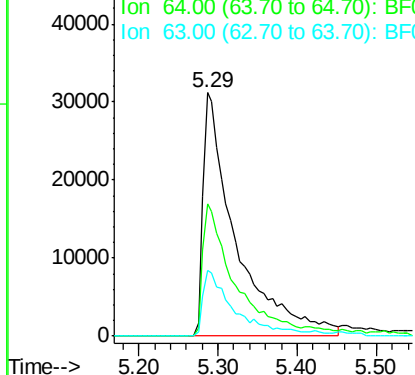
#5

2-Fluorophenol
Concen: 18.21 ng
RT: 5.29 min Scan# 629
Delta R.T. 0.00 min
Lab File: BF095758.D
Acq: 7 Jun 2017 21:39

Tgt Ion:112 Resp: 90111
Ion Ratio Lower Upper
112 100
64 54.6 46.0 69.0
63 27.1 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: 19.54 ng

RT: 6.95 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF095758.D

Acq: 7 Jun 2017 21:39

Instrument :

BNA_F

ClientSampled :

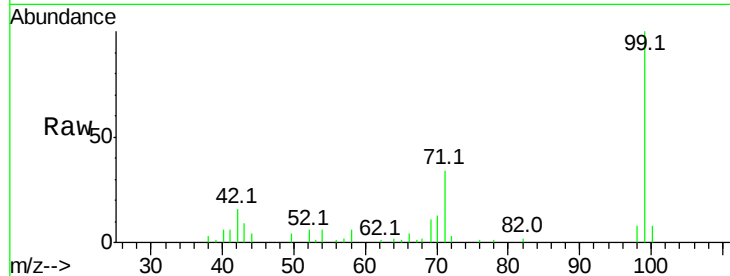
Tot Ion: 99 Resp: 115753

Ion Ratio Lower Upper

99 100

42 15.9 13.5 20.3

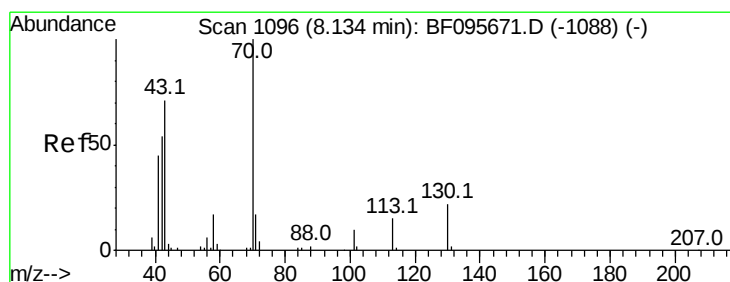
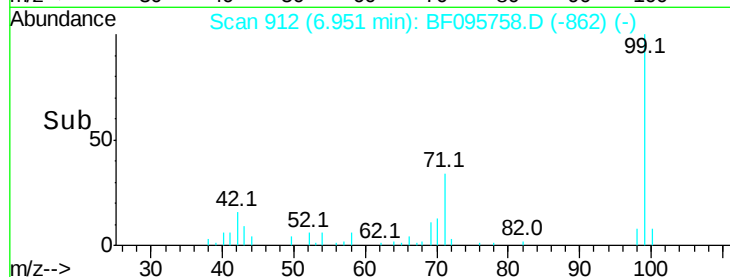
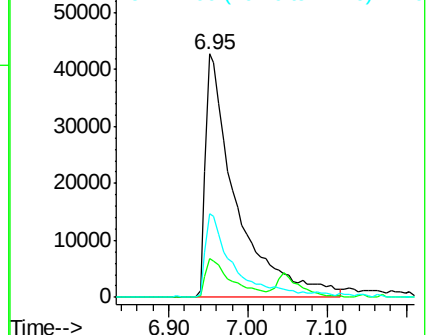
71 34.3 24.5 36.7



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: 2.08 ng

RT: 8.30 min Scan# 1141

Delta R.T. 0.16 min

Lab File: BF095758.D

Acq: 7 Jun 2017 21:39

Tgt Ion: 70 Resp: 7803

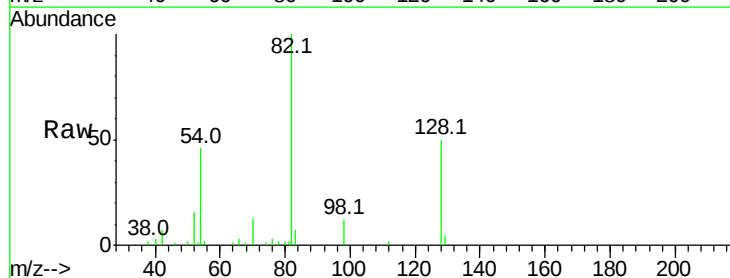
Ion Ratio Lower Upper

70 100

42 52.3 47.2 70.8

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

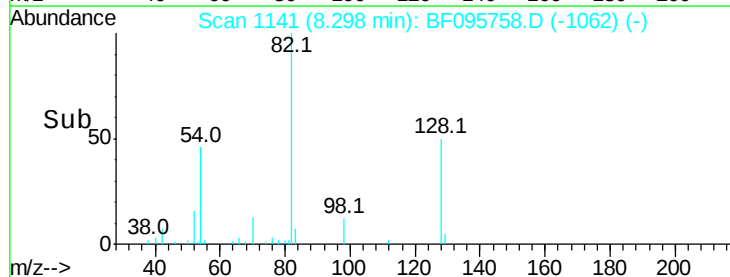
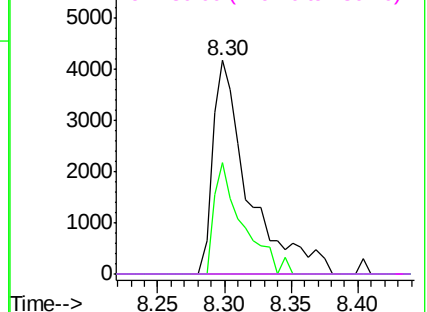


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

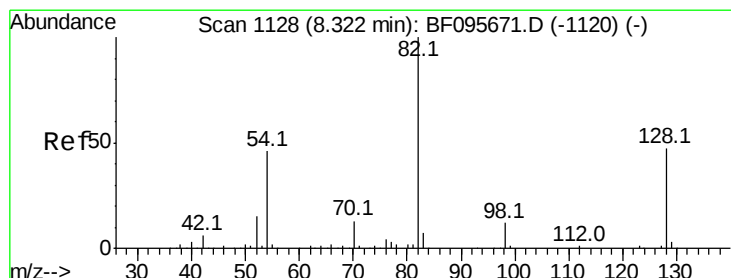
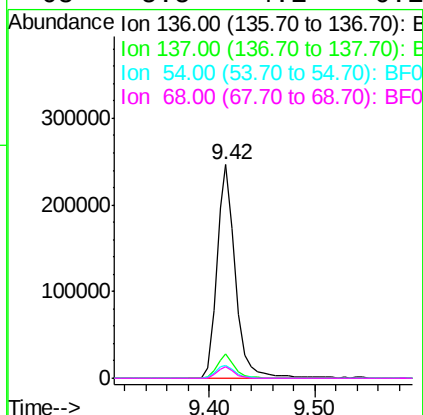
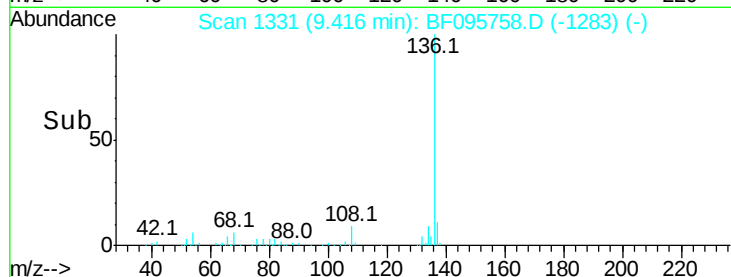
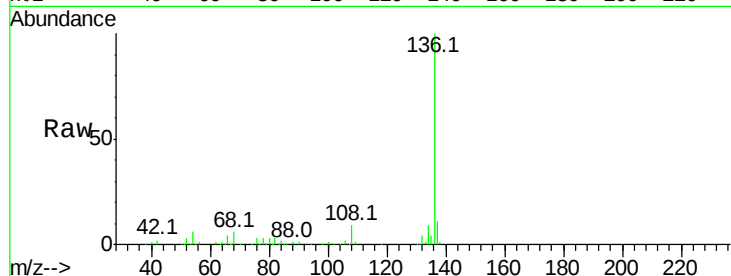




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.42 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF095758.D
Acq: 7 Jun 2017 21:39

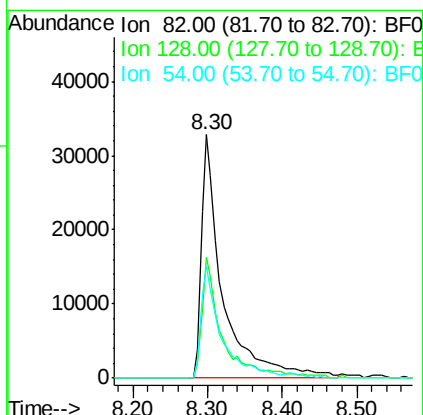
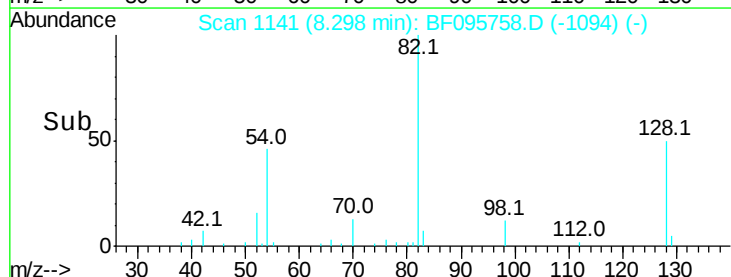
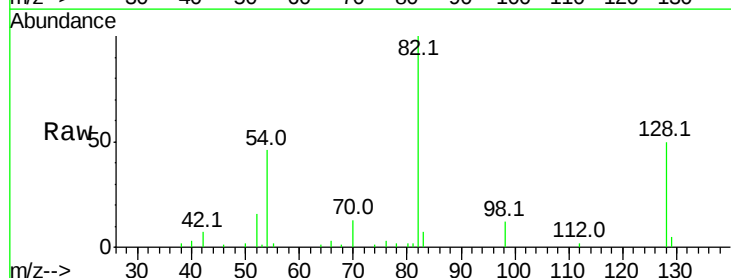
Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	302569
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.5 12.7
54	6.2	4.9 7.3
68	5.5	4.1 6.1



#23
Nitrobenzene-d5
Concen: 13.42 ng
RT: 8.30 min Scan# 1141
Delta R.T. -0.02 min
Lab File: BF095758.D
Acq: 7 Jun 2017 21:39

Tgt Ion: 82	Resp:	65370
Ion	Ratio	Lower Upper
82	100	
128	49.8	34.0 51.0
54	45.8	42.2 63.2

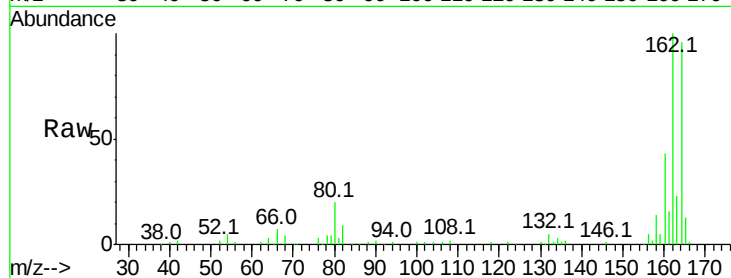




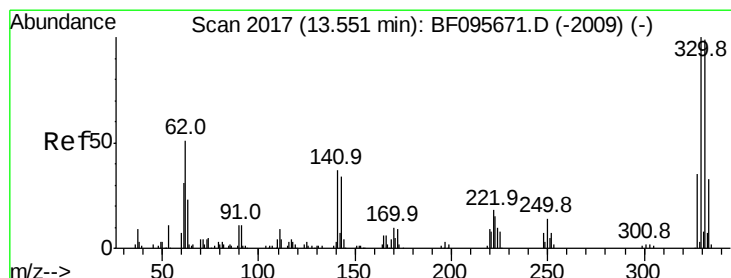
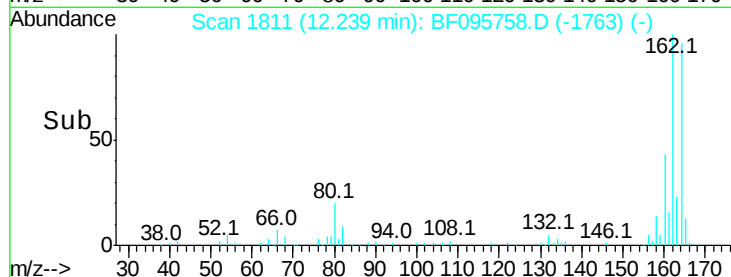
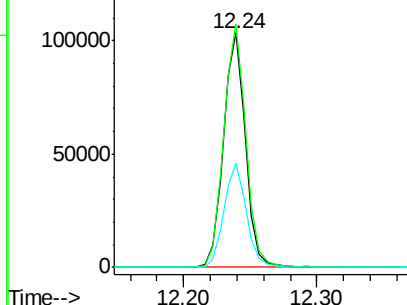
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.24 min Scan# 1811
 Delta R.T. -0.02 min
 Lab File: BF095758.D
 Acq: 7 Jun 2017 21:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.8	82.6	123.8
160	44.5	36.2	54.2

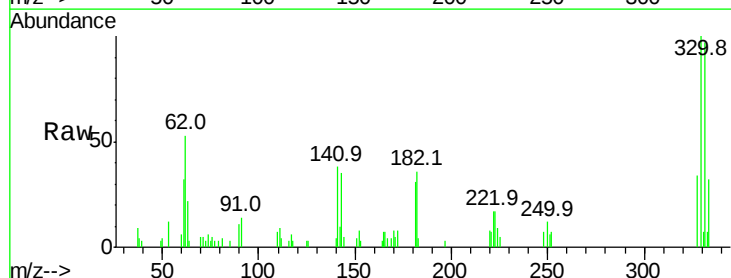


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

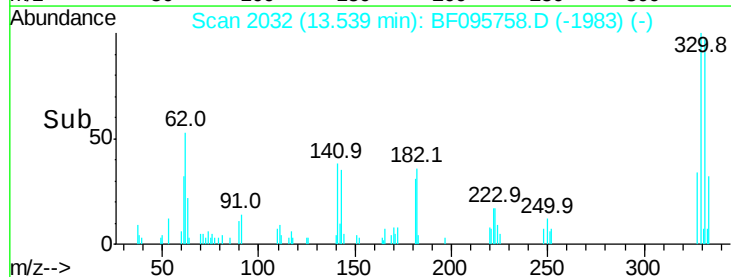
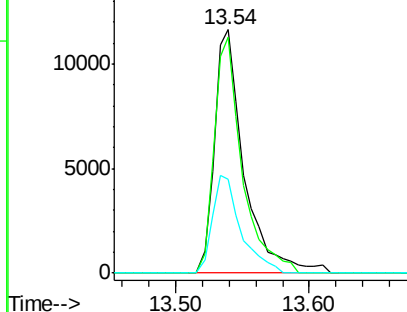


#41
 2,4,6-Tribromophenol
 Concen: 17.04 ng
 RT: 13.54 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF095758.D
 Acq: 7 Jun 2017 21:39

Tgt Ion	Ratio	Lower	Upper
330	100		
332	92.2	76.6	115.0
141	38.5	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

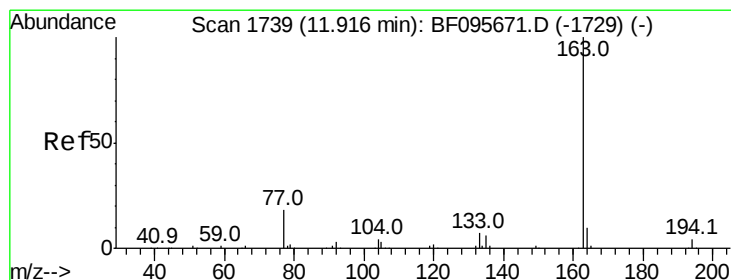
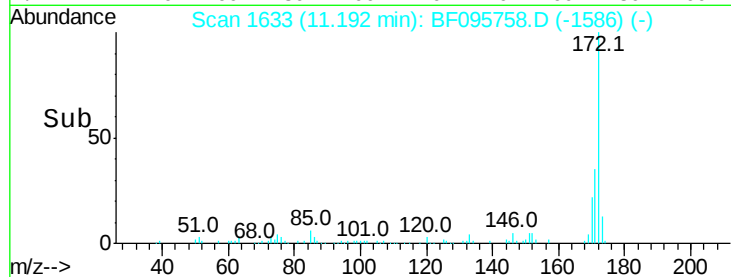
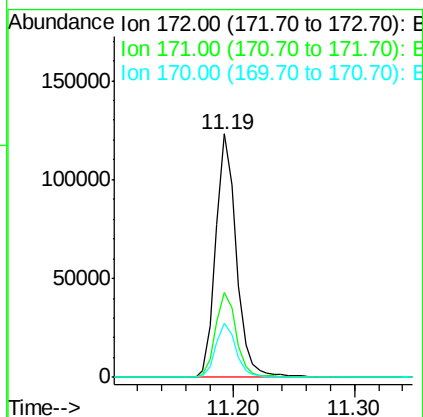
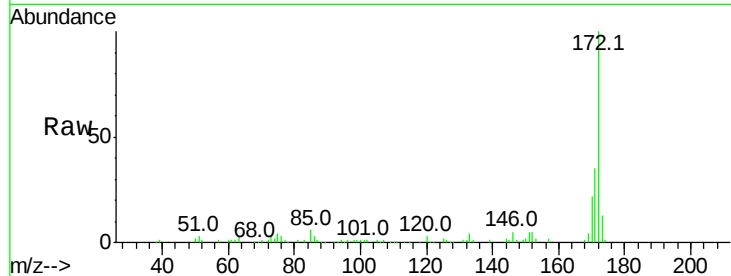




#44
2-Fluorobiphenyl
Concen: 16.79 ng
RT: 11.19 min Scan# 1633
Delta R.T. -0.02 min
Lab File: BF095758.D
Acq: 7 Jun 2017 21:39

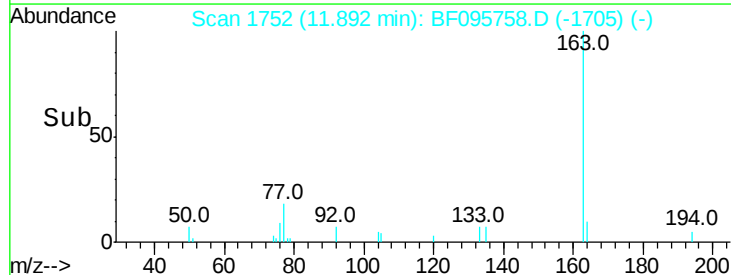
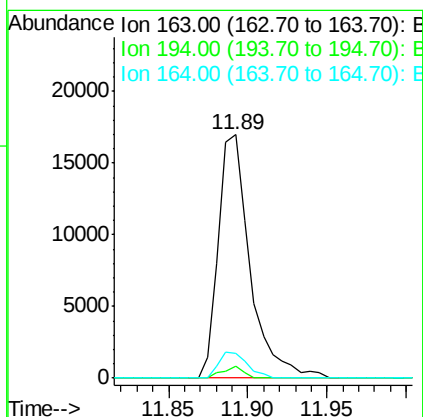
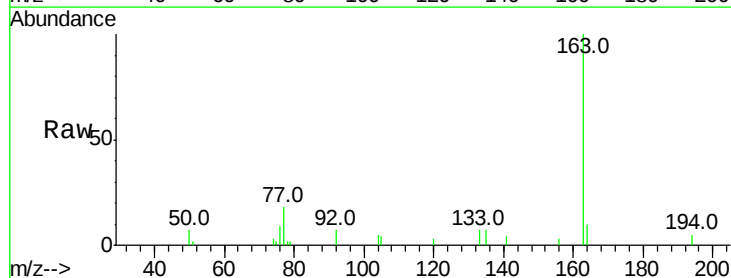
Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 144462
Ion Ratio Lower Upper
172 100
171 35.0 29.6 44.4
170 22.4 19.8 29.8



#49
Dimethylphthalate
Concen: 2.60 ng
RT: 11.89 min Scan# 1752
Delta R.T. -0.02 min
Lab File: BF095758.D
Acq: 7 Jun 2017 21:39

Tgt Ion:163 Resp: 23683
Ion Ratio Lower Upper
163 100
194 4.9 2.6 4.0#
164 10.0 8.4 12.6

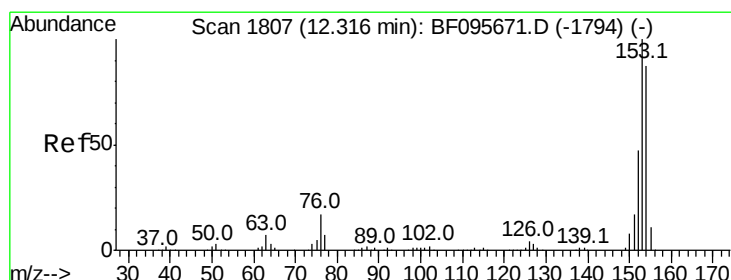
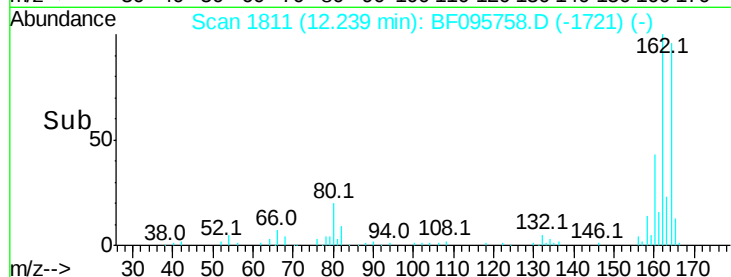
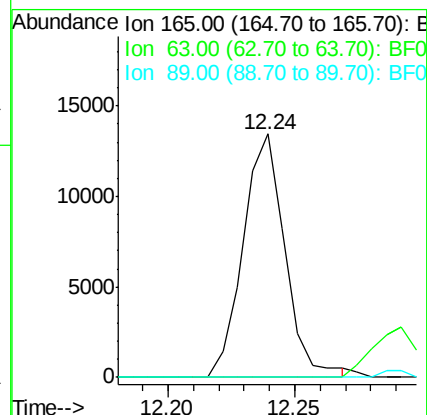
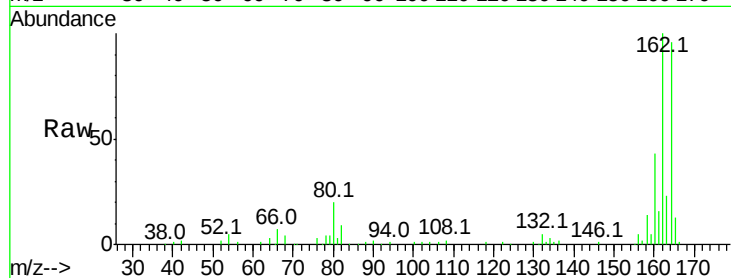




#50
 2,6-Dinitrotoluene
 Concen: 7.75 ng
 RT: 12.24 min Scan# 1811
 Delta R.T. 0.23 min
 Lab File: BF095758.D
 Acq: 7 Jun 2017 21:39

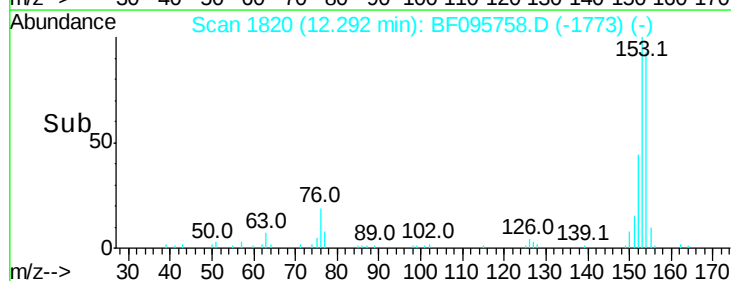
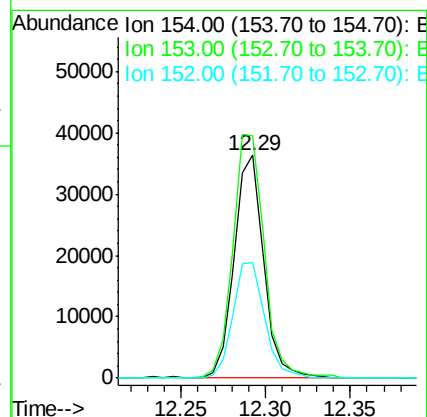
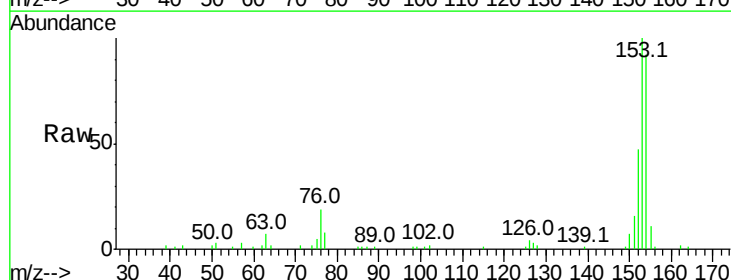
Instrument :
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 ClientSampleId :

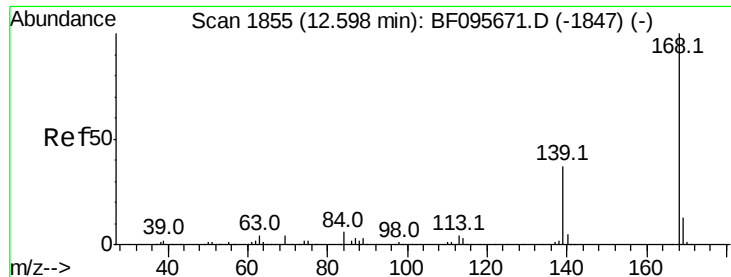
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#



#51
 Acenaphthene
 Concen: 5.80 ng
 RT: 12.29 min Scan# 1820
 Delta R.T. -0.02 min
 Lab File: BF095758.D
 Acq: 7 Jun 2017 21:39

Tgt Ion	Ratio	Lower	Upper
154	100		
153	108.7	90.5	135.7
152	51.6	43.6	65.4

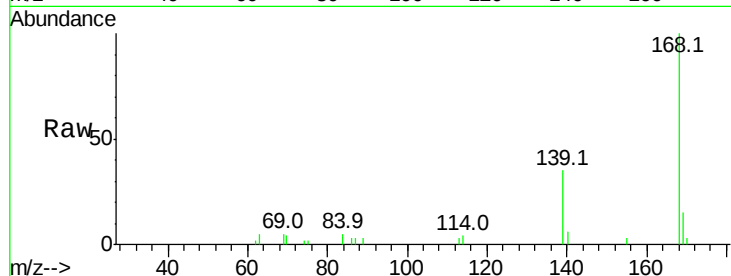




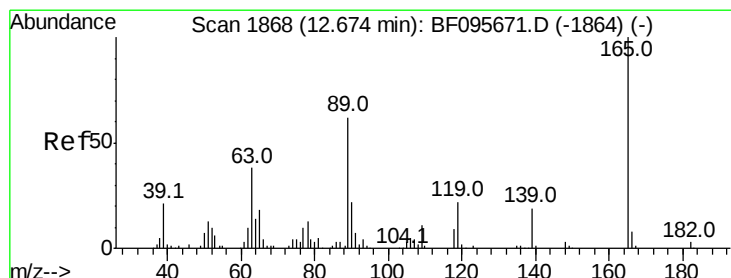
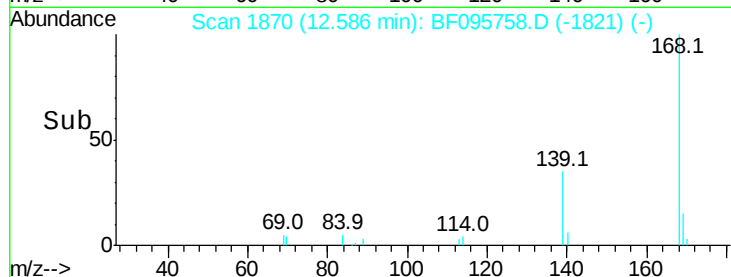
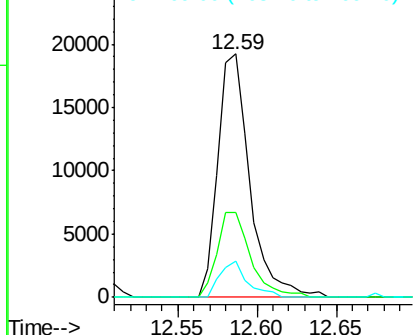
#54
Dibenzenofuran
Concen: 2.52 ng
RT: 12.59 min Scan# 1870
Delta R.T. -0.01 min
Lab File: BF095758.D
Acq: 7 Jun 2017 21:39

Instrument :
BNA_F
ClientSampled :

Tot Ion:168 Resp: 27020
Ion Ratio Lower Upper
168 100
139 35.0 30.6 45.8
169 14.7 10.8 16.2

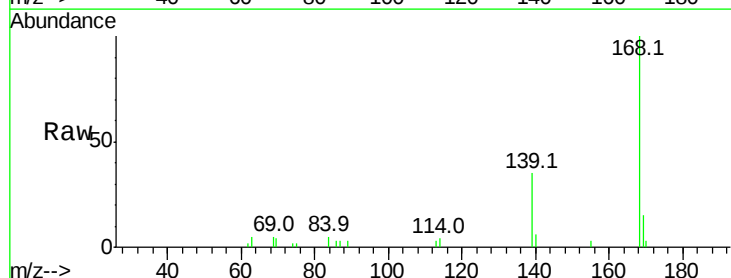


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

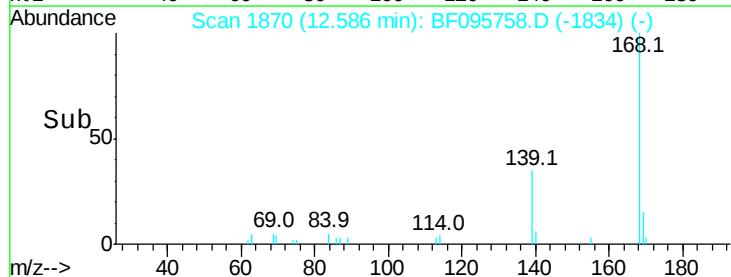
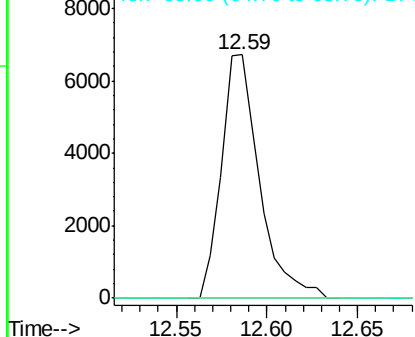


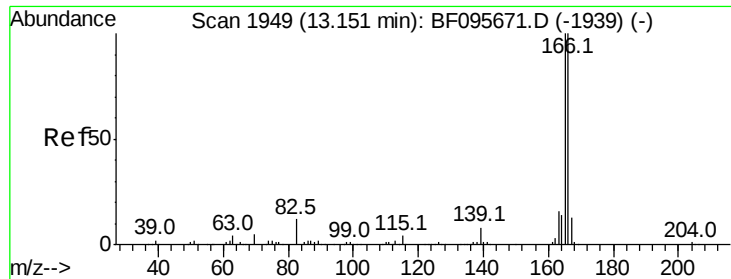
#55
4-Nitrophenol
Concen: 11.49 ng
RT: 12.59 min Scan# 1870
Delta R.T. -0.09 min
Lab File: BF095758.D
Acq: 7 Jun 2017 21:39

Tgt Ion:139 Resp: 9828
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

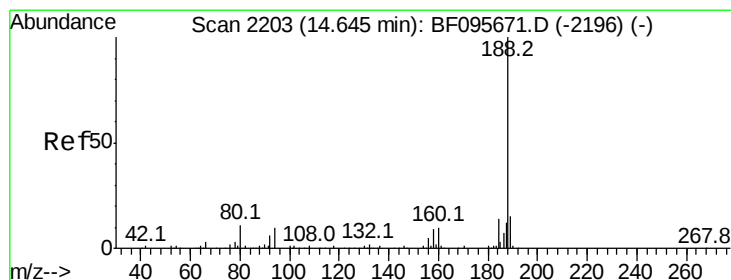
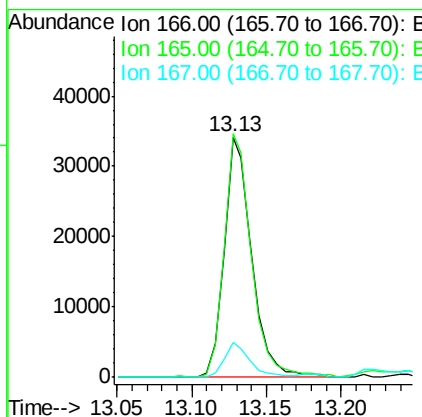
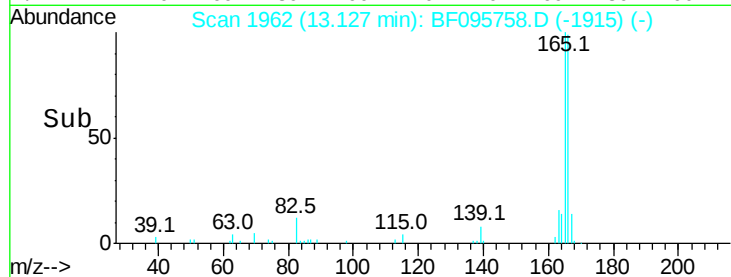
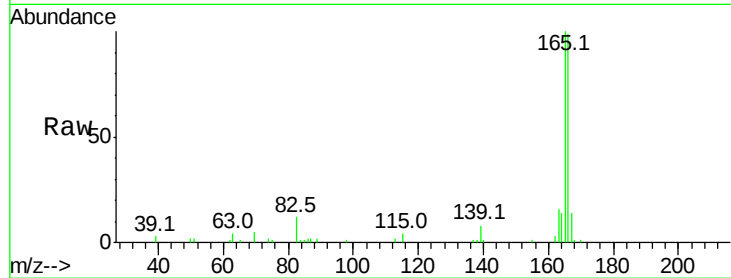




#57
 Fluorene
 Concen: 4.73 ng
 RT: 13.13 min Scan# 1962
 Delta R.T. -0.02 min
 Lab File: BF095758.D
 Acq: 7 Jun 2017 21:39

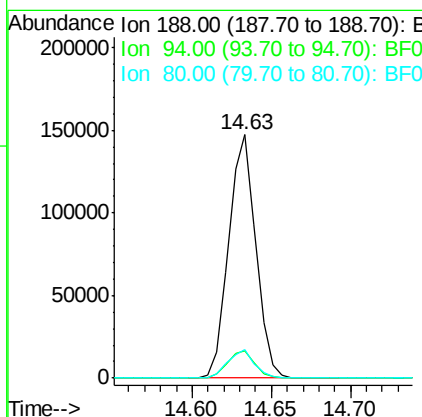
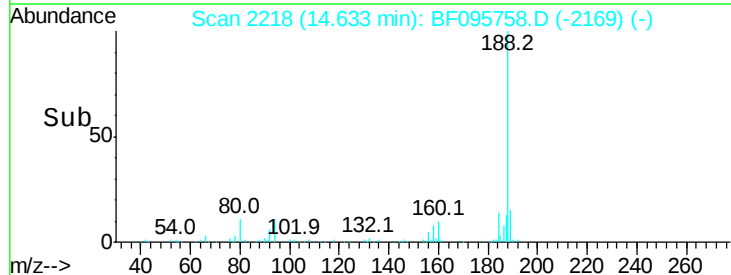
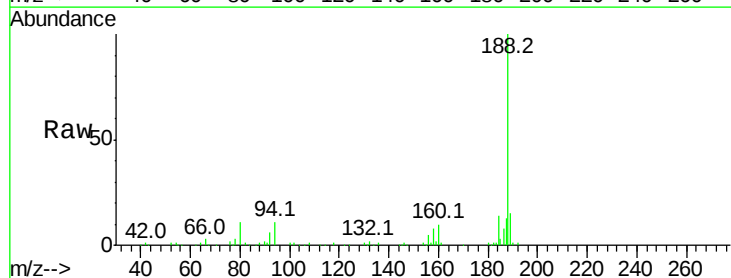
Instrument :
 BNA_F
 ClientSampleId :

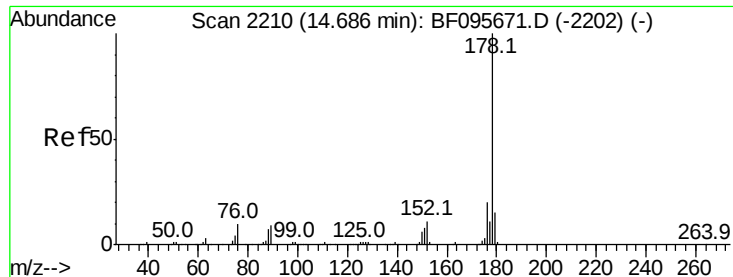
Tot Ion:166 Resp: 44162
 Ion Ratio Lower Upper
 166 100
 165 101.3 78.8 118.2
 167 14.3 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.63 min Scan# 2218
 Delta R.T. -0.01 min
 Lab File: BF095758.D
 Acq: 7 Jun 2017 21:39

Tgt Ion:188 Resp: 174131
 Ion Ratio Lower Upper
 188 100
 94 11.0 9.4 14.2
 80 11.5 10.2 15.2

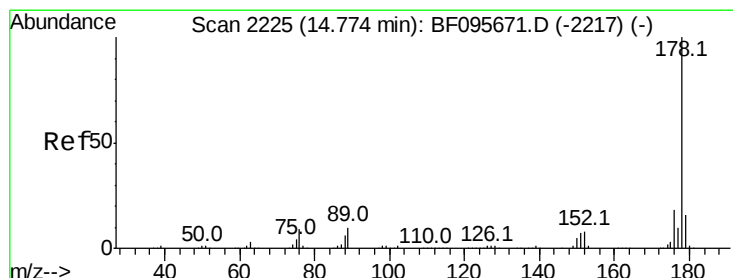
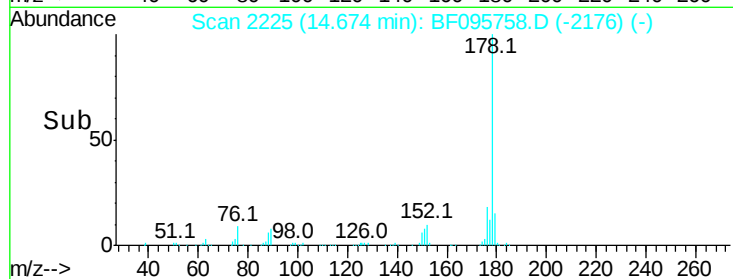
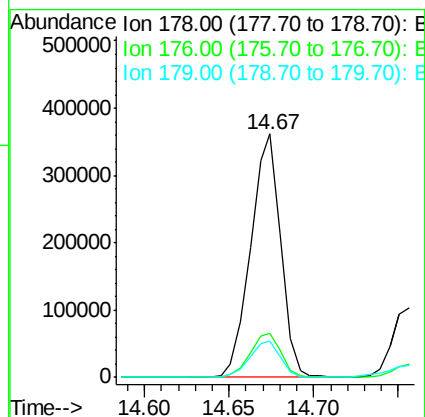
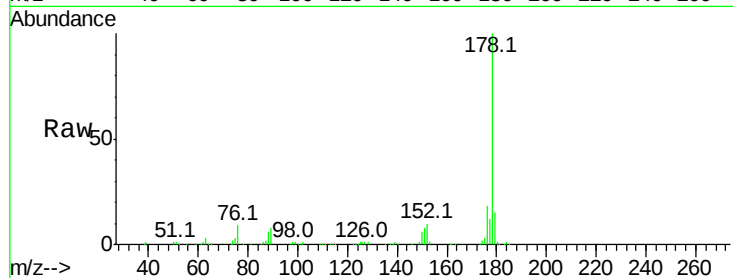




#70
Phenanthrene
Concen: 44.72 ng
RT: 14.67 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BF095758.D
Acq: 7 Jun 2017 21:39

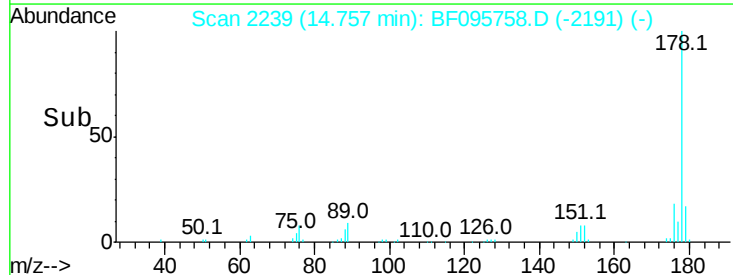
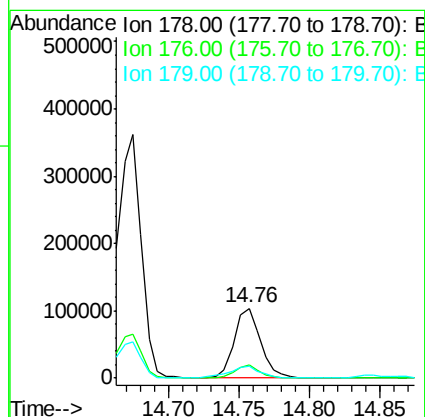
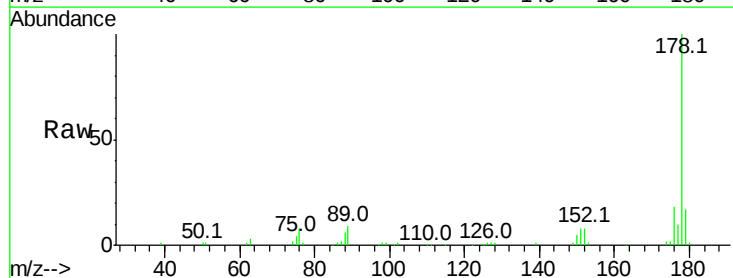
Instrument :
BNA_F
ClientSampleId :

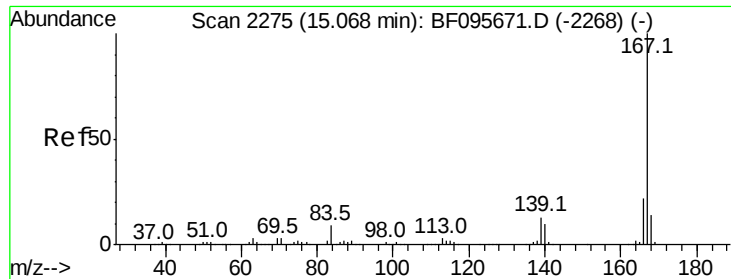
Tot Ion:178 Resp: 449293
Ion Ratio Lower Upper
178 100
176 18.1 16.2 24.4
179 14.9 12.6 19.0



#71
Anthracene
Concen: 12.87 ng
RT: 14.76 min Scan# 2239
Delta R.T. -0.02 min
Lab File: BF095758.D
Acq: 7 Jun 2017 21:39

Tgt Ion:178 Resp: 135044
Ion Ratio Lower Upper
178 100
176 18.3 15.8 23.8
179 16.7 12.7 19.1

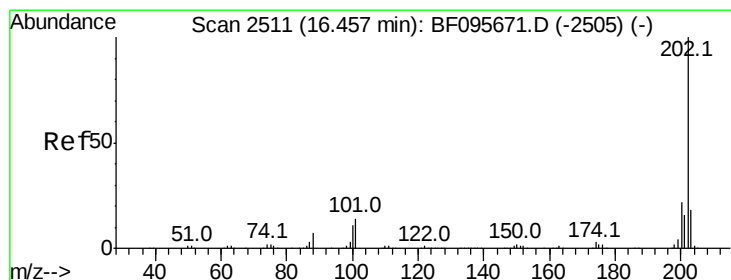
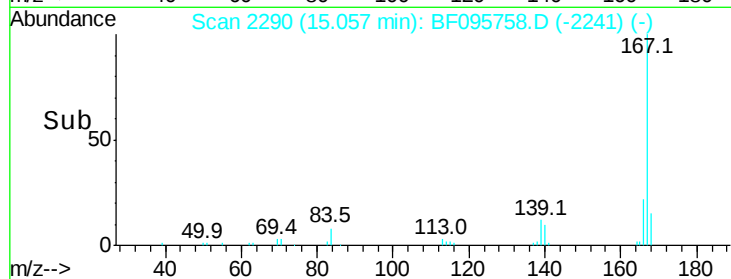
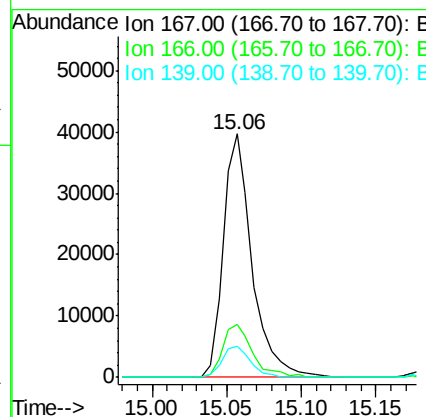
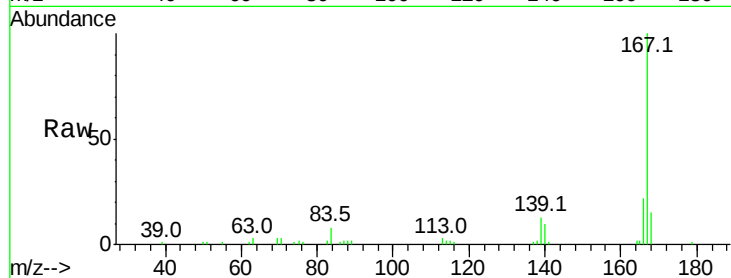




#72
 Carbazole
 Concen: 5.22 ng
 RT: 15.06 min Scan# 2290
 Delta R.T. -0.01 min
 Lab File: BF095758.D
 Acq: 7 Jun 2017 21:39

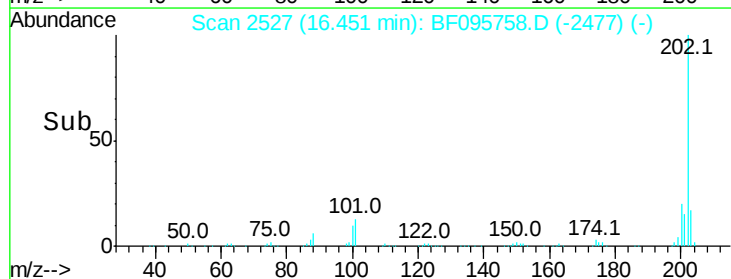
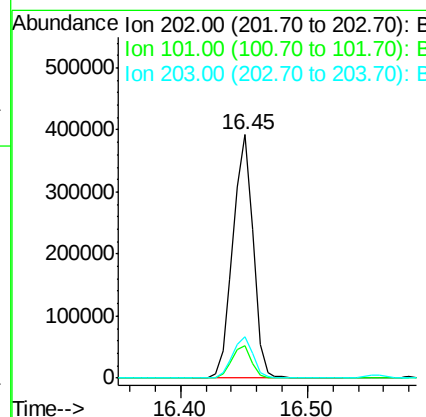
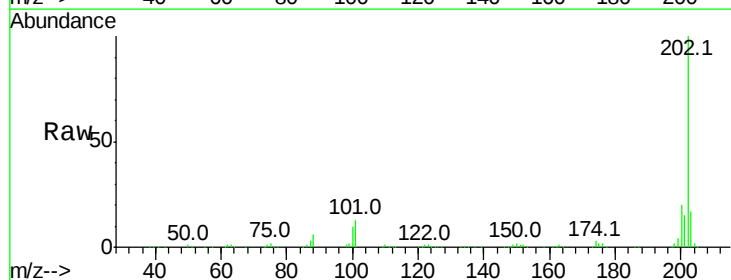
Instrument :
 BNA_F
 ClientSampleId :

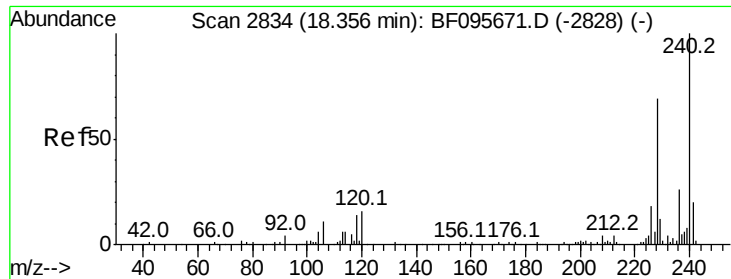
Tot Ion:167 Resp: 53366
 Ion Ratio Lower Upper
 167 100
 166 21.5 18.1 27.1
 139 12.9 11.7 17.5



#74
 Fluoranthene
 Concen: 43.60 ng
 RT: 16.45 min Scan# 2527
 Delta R.T. -0.01 min
 Lab File: BF095758.D
 Acq: 7 Jun 2017 21:39

Tgt Ion:202 Resp: 433589
 Ion Ratio Lower Upper
 202 100
 101 13.5 0.0 33.2
 203 17.0 0.0 38.1

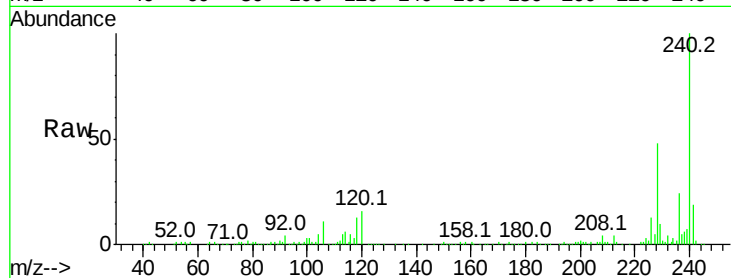




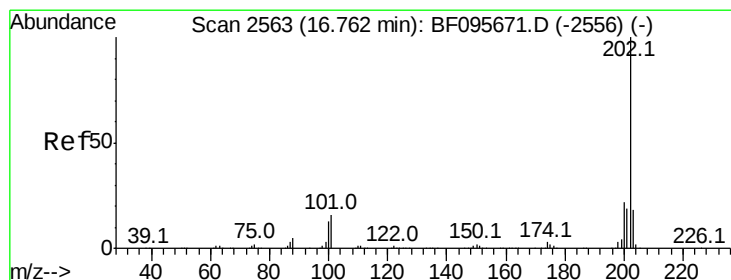
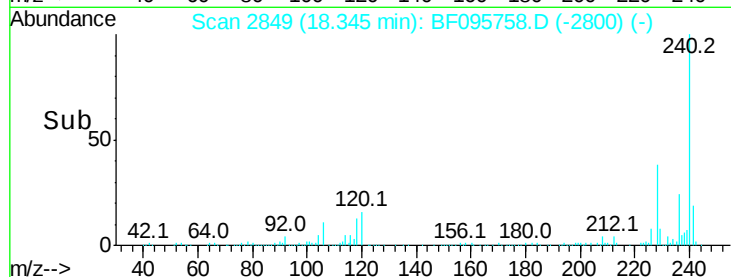
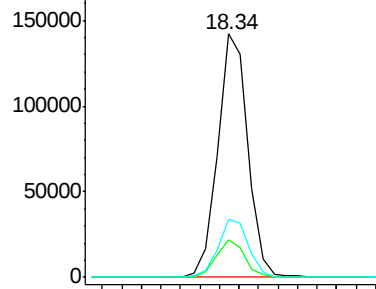
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.34 min Scan# 2849
 Delta R.T. -0.01 min
 Lab File: BF095758.D
 Acq: 7 Jun 2017 21:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 150990
 Ion Ratio Lower Upper
 240 100
 120 15.6 5.8 8.8#
 236 23.7 20.5 30.7

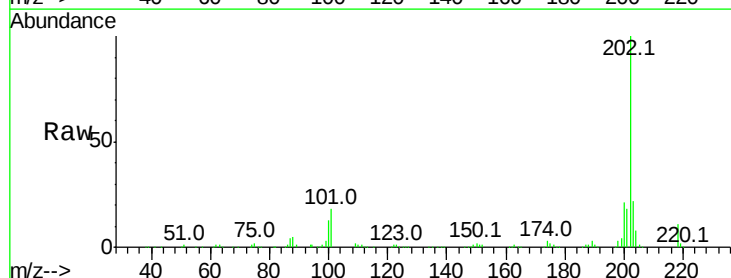


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

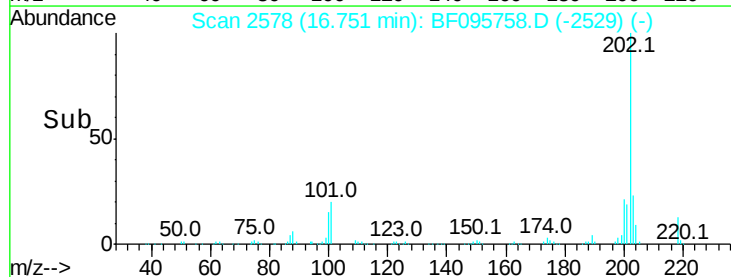
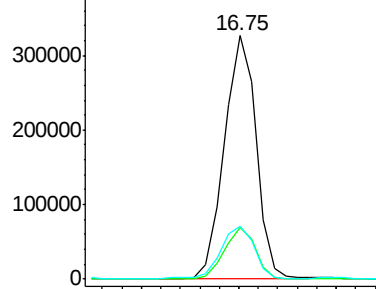


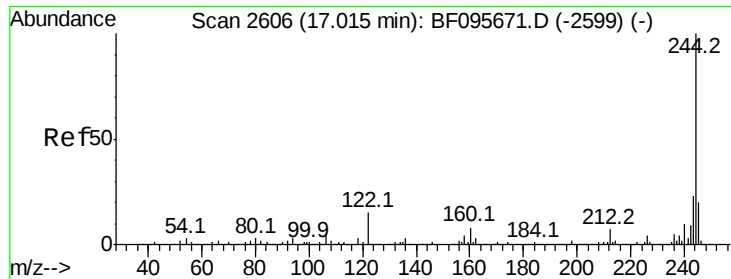
#77
 Pyrene
 Concen: 32.78 ng
 RT: 16.75 min Scan# 2578
 Delta R.T. -0.01 min
 Lab File: BF095758.D
 Acq: 7 Jun 2017 21:39

Tgt Ion:202 Resp: 369271
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.6 26.4
 203 22.0 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

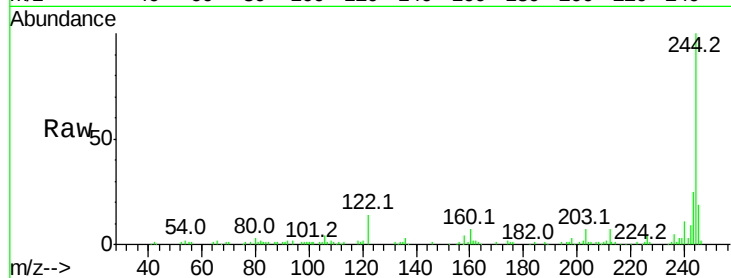




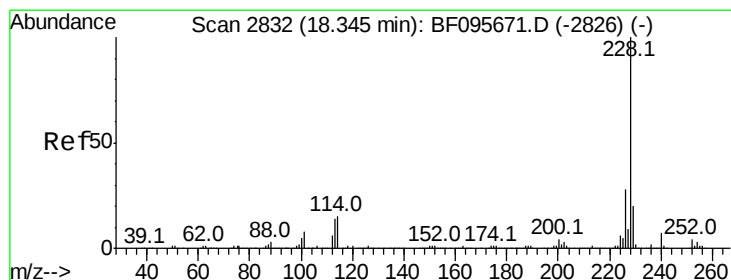
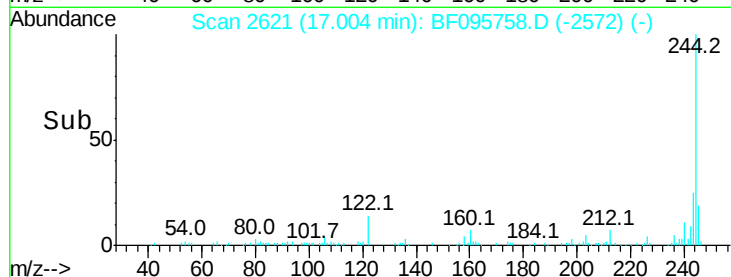
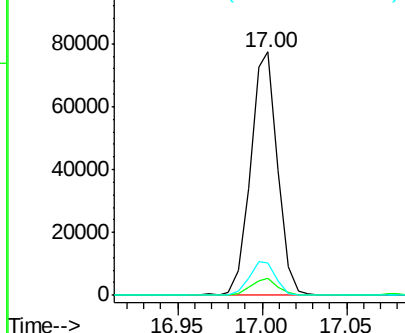
#78
 Terphenyl-d14
 Concen: 14.14 ng
 RT: 17.00 min Scan# 2621
 Delta R.T. -0.01 min
 Lab File: BF095758.D
 Acq: 7 Jun 2017 21:39

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 86038
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 13.5 10.3 15.5

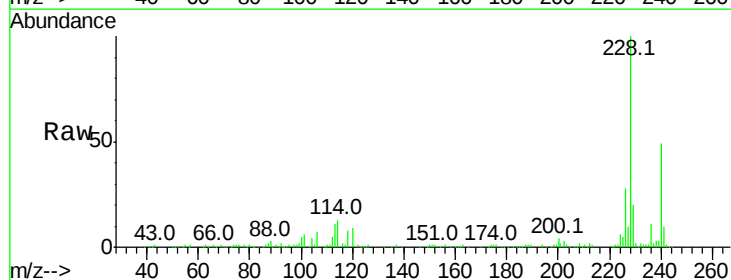


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

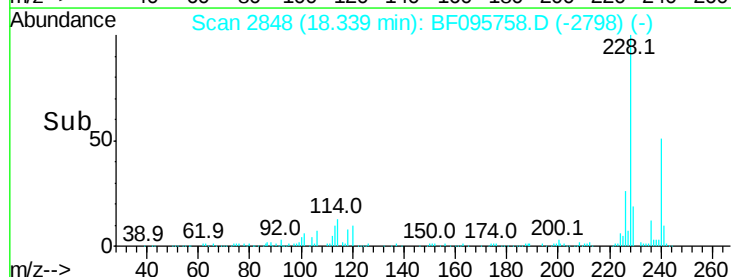
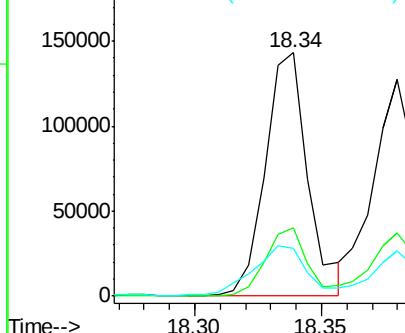


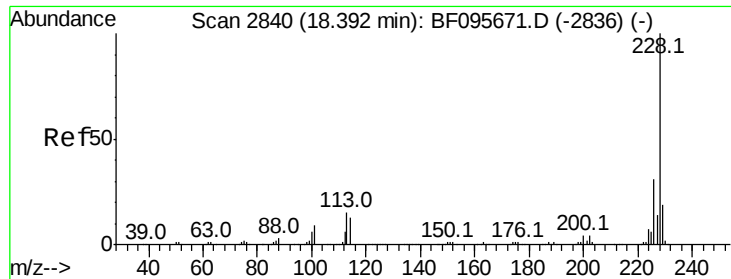
#80
 Benzo(a)anthracene
 Concen: 19.23 ng
 RT: 18.34 min Scan# 2848
 Delta R.T. -0.01 min
 Lab File: BF095758.D
 Acq: 7 Jun 2017 21:39

Tgt Ion:228 Resp: 168784
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.6 33.8
 229 19.6 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: 17.29 ng

RT: 18.38 min Scan# 2855

Delta R.T. -0.01 min

Lab File: BF095758.D

Acq: 7 Jun 2017 21:39

Instrument :

BNA_F

ClientSampleId :

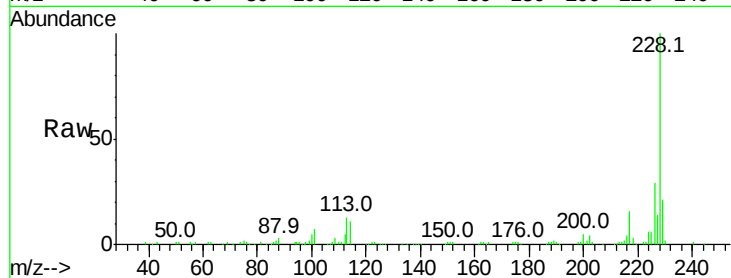
Tot Ion:228 Resp: 151658

Ion Ratio Lower Upper

228 100

226 28.9 24.9 37.3

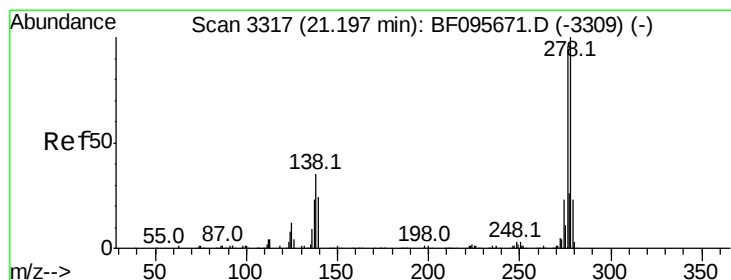
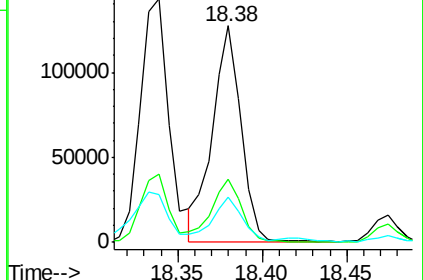
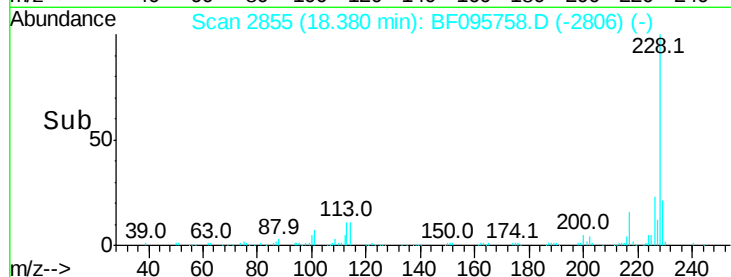
229 20.8 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.95 ng

RT: 21.20 min Scan# 3334

Delta R.T. 0.00 min

Lab File: BF095758.D

Acq: 7 Jun 2017 21:39

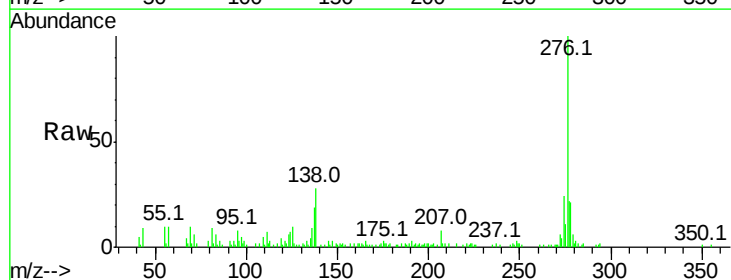
Tgt Ion:276 Resp: 44637

Ion Ratio Lower Upper

276 100

138 30.6 27.8 41.6

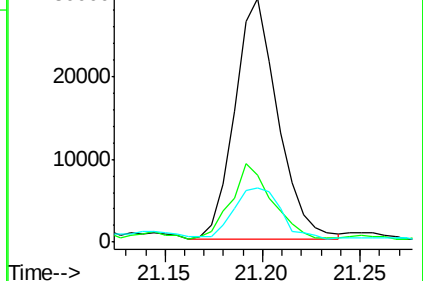
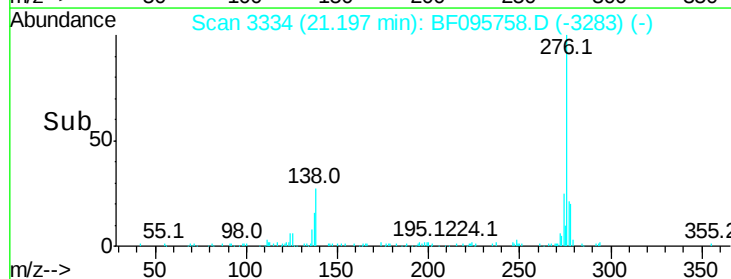
277 22.3 20.2 30.4

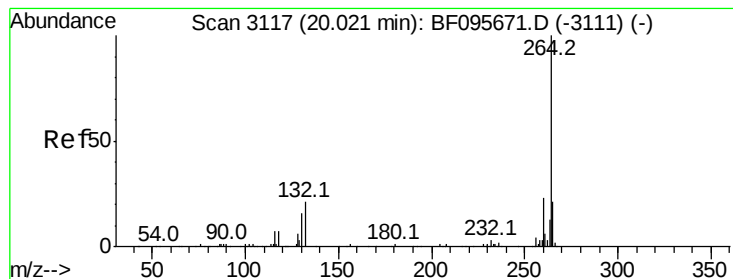


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 20.02 min Scan# 3133

Delta R.T. -0.01 min

Lab File: BF095758.D

Acq: 7 Jun 2017 21:39

Instrument :

BNA_F

ClientSampled :

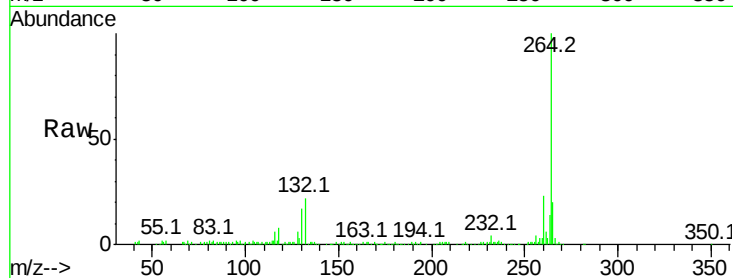
Tot Ion:264 Resp: 112490

Ion Ratio Lower Upper

264 100

260 23.2 19.5 29.3

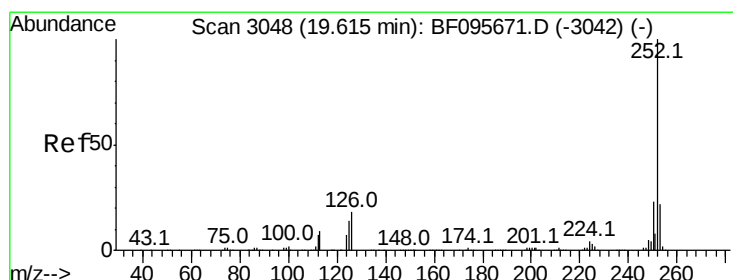
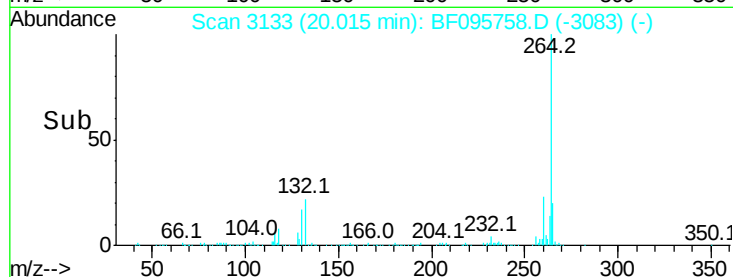
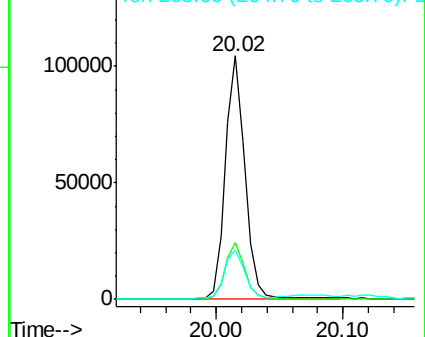
265 20.0 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 25.26 ng

RT: 19.62 min Scan# 3065

Delta R.T. 0.00 min

Lab File: BF095758.D

Acq: 7 Jun 2017 21:39

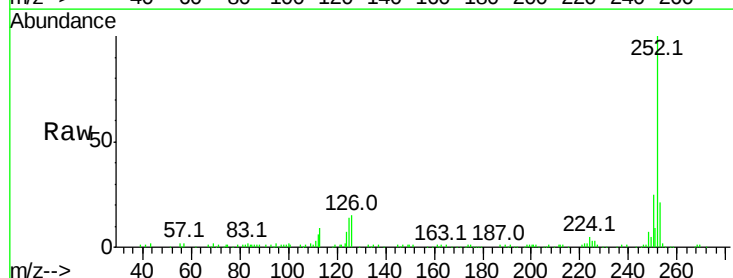
Tgt Ion:252 Resp: 177907

Ion Ratio Lower Upper

252 100

253 20.8 18.1 27.1

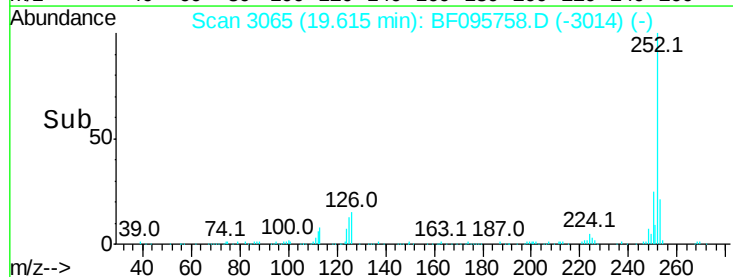
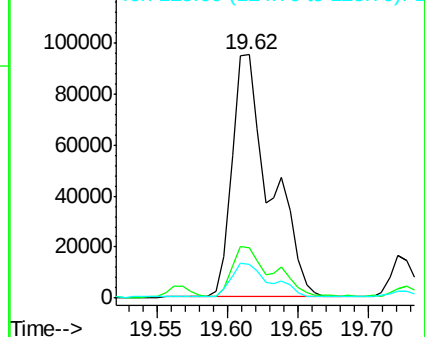
125 13.8 9.8 14.8

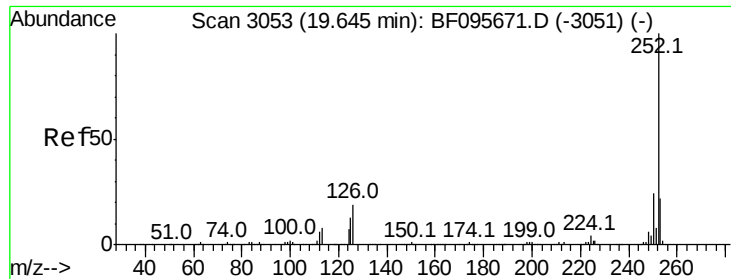


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 26.42 ng

RT: 19.62 min Scan# 3065

Delta R.T. -0.03 min

Lab File: BF095758.D

Acq: 7 Jun 2017 21:39

Instrument :

BNA_F

ClientSampleId :

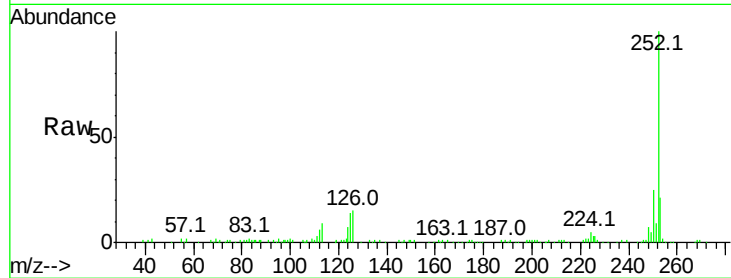
Tot Ion:252 Resp: 177907

Ion Ratio Lower Upper

252 100

253 20.8 18.4 27.6

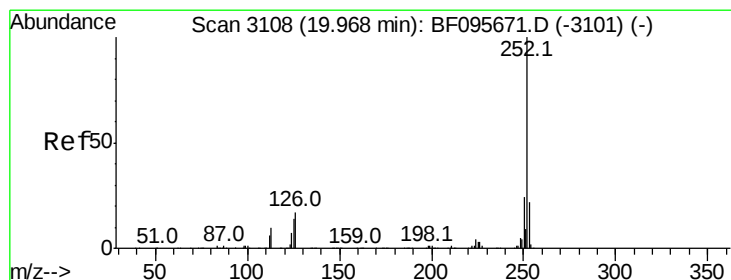
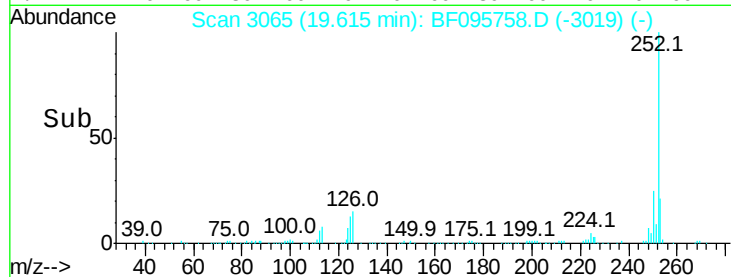
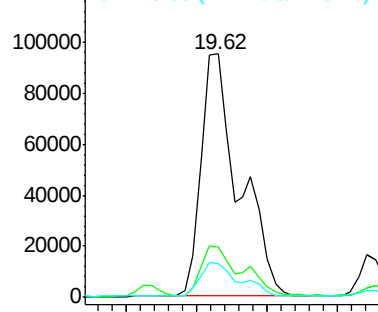
125 13.8 13.1 19.7



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



#89

Benzo(a)pyrene

Concen: 14.75 ng

RT: 19.96 min Scan# 3124

Delta R.T. -0.01 min

Lab File: BF095758.D

Acq: 7 Jun 2017 21:39

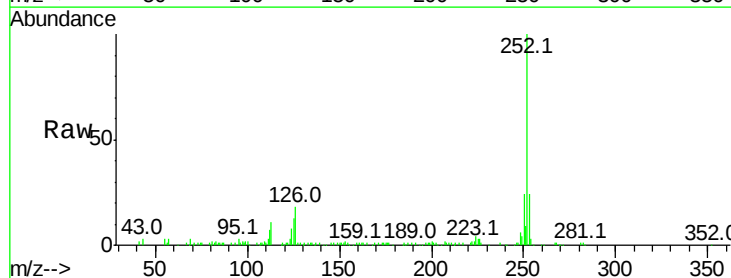
Tgt Ion:252 Resp: 95485

Ion Ratio Lower Upper

252 100

253 23.8 17.5 26.3

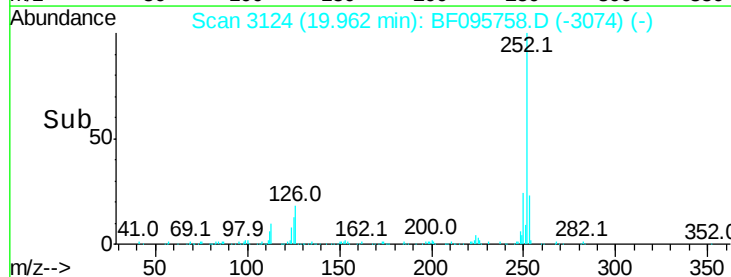
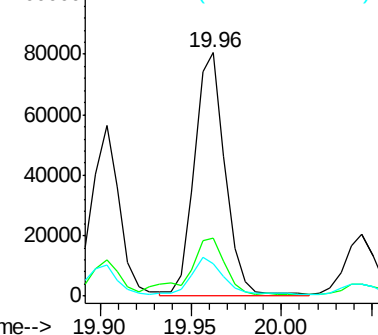
125 13.5 11.0 16.4

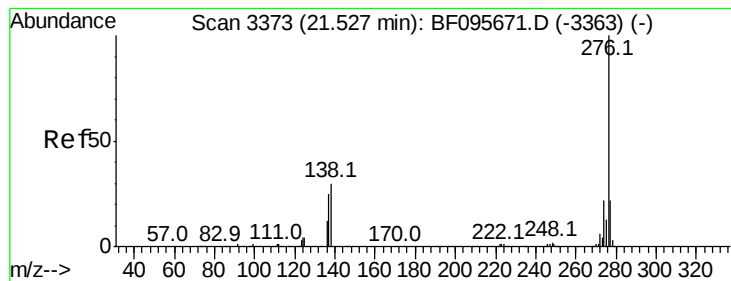


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

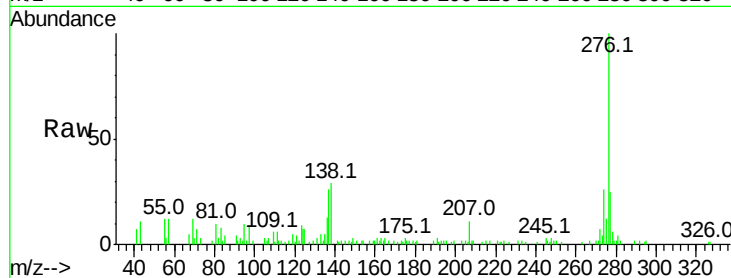




#91
 Benzo(a,h,i)perylene
 Concen: 7.15 ng
 RT: 21.53 min Scan# 3391
 Delta R.T. 0.01 min
 Lab File: BF095758.D
 Acq: 7 Jun 2017 21:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	29.3	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

