

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060717\
 Data File : BF095757.D
 Acq On : 7 Jun 2017 21:07
 Operator : SJ/MA
 Sample : I3500-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 08 04:08:24 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	74176	20.00	ng	-0.02
21) Naphthalene-d8	9.42	136	288036	20.00	ng	-0.02
38) Acenaphthene-d10	12.24	164	115134	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	172298	20.00	ng	-0.01
75) Chrysene-d12	18.35	240	142101	20.00	ng	0.00
86) Perylene-d12	20.02	264	101756	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	204473	43.92	ng	-0.01
7) Phenol-d6	6.94	99	253600	45.51	ng	-0.02
23) Nitrobenzene-d5	8.29	82	136496	29.43	ng	-0.03
41) 2,4,6-Tribromophenol	13.53	330	39917	39.19	ng	-0.02
44) 2-Fluorobiphenyl	11.19	172	276428	33.41	ng	-0.02
78) Terphenyl-d14	17.00	244	167781	29.30	ng	-0.01

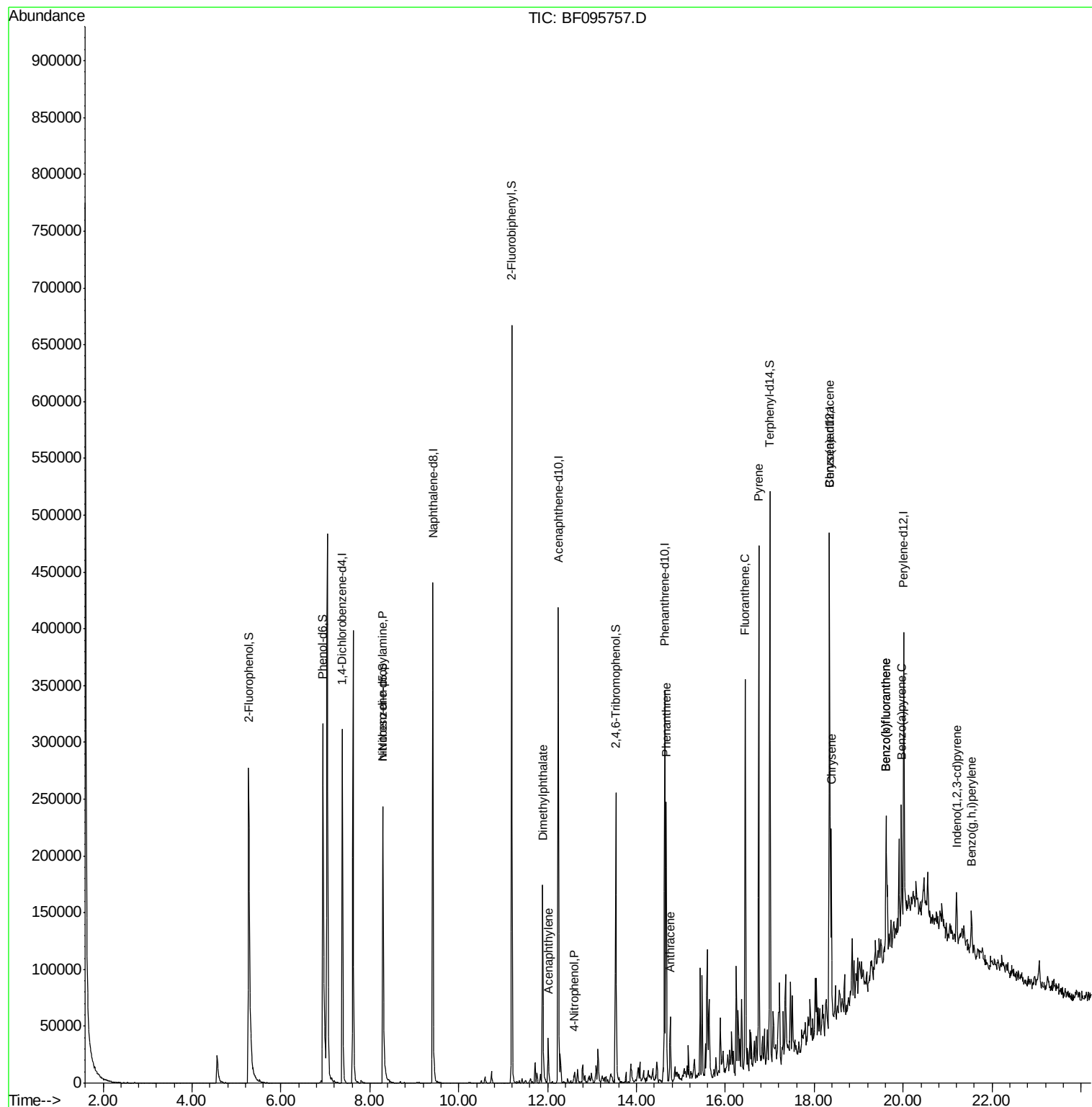
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	8.29	70	16964	4.80	ng	# 79
48) Acenaphthylene	12.01	152	28260	2.23	ng	97
49) Dimethylphthalate	11.89	163	102891	11.77	ng	100
55) 4-Nitrophenol	12.59	139	1445	5.68	ng	# 25
70) Phenanthrene	14.67	178	132401	13.32	ng	96
71) Anthracene	14.76	178	34717	3.34	ng	97
74) Fluoranthene	16.45	202	173666	17.65	ng	97
77) Pyrene	16.75	202	196016	18.49	ng	98
80) Benzo(a)anthracene	18.34	228	71948	8.71	ng	93
82) Chrysene	18.38	228	74910	9.07	ng	95
85) Indeno(1,2,3-cd)pyrene	21.20	276	21655	3.07	ng	99
87) Benzo(b)fluoranthene	19.62	252	76128	11.95	ng	# 94
88) Benzo(k)fluoranthene	19.62	252	76128	12.50	ng	98
89) Benzo(a)pyrene	19.96	252	43186	7.37	ng	# 94
91) Benzo(a,h,i)perylene	21.54	276	24829	4.90	ng	95

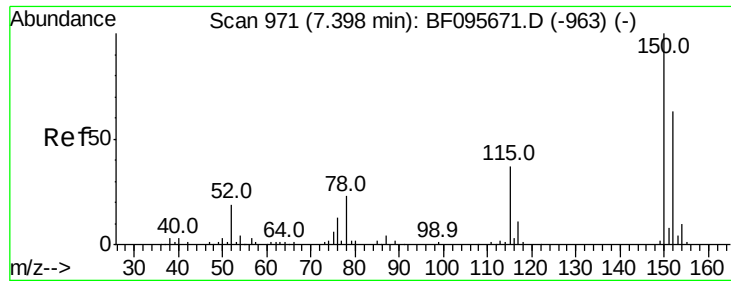
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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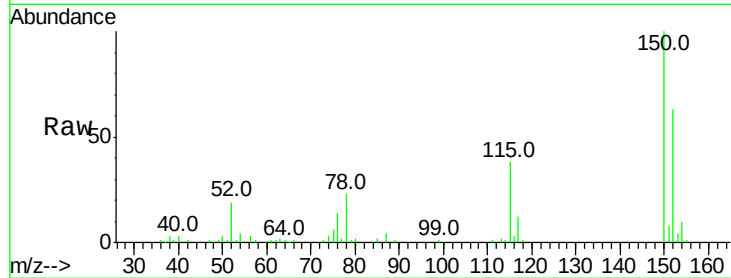


#1

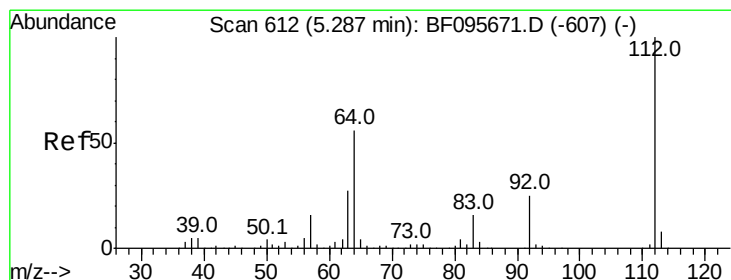
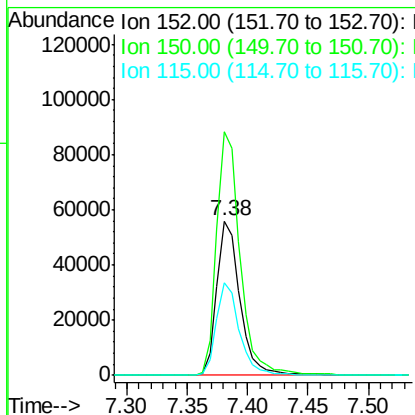
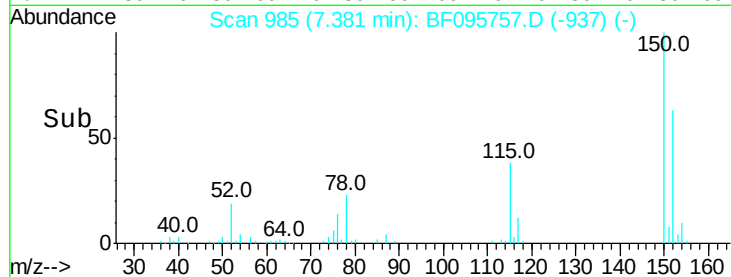
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.38 min Scan# 985
Delta R.T. -0.02 min
Lab File: BF095757.D
Acq: 7 Jun 2017 21:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 74176
Ion Ratio Lower Upper
152 100
150 157.6 126.2 189.2
115 59.6 52.2 78.2



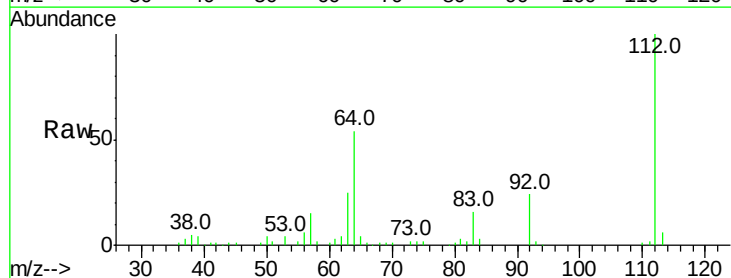
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



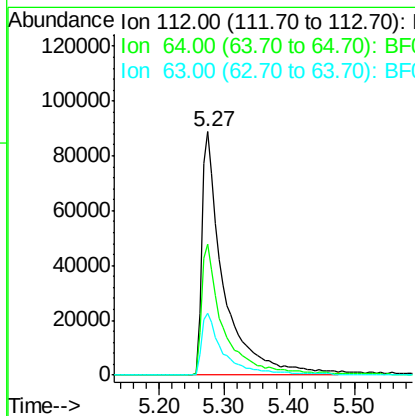
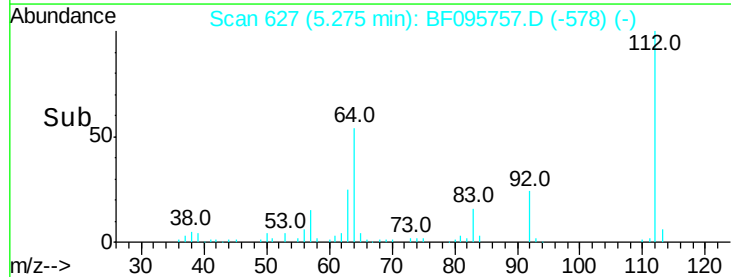
#5

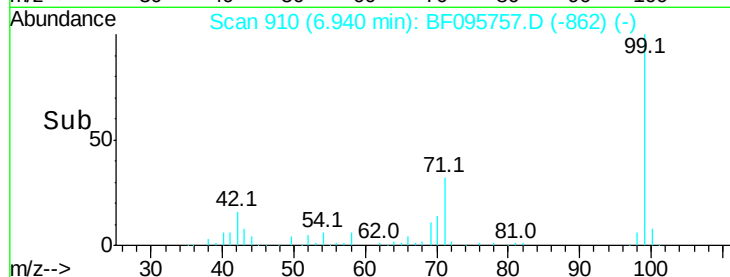
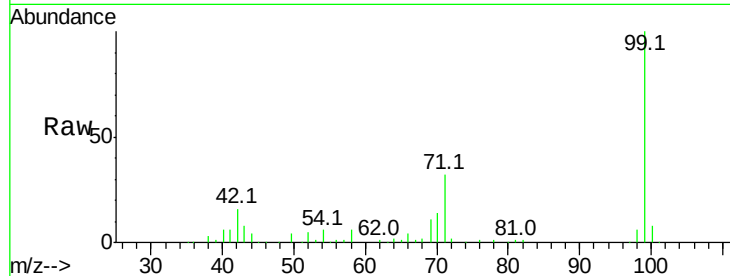
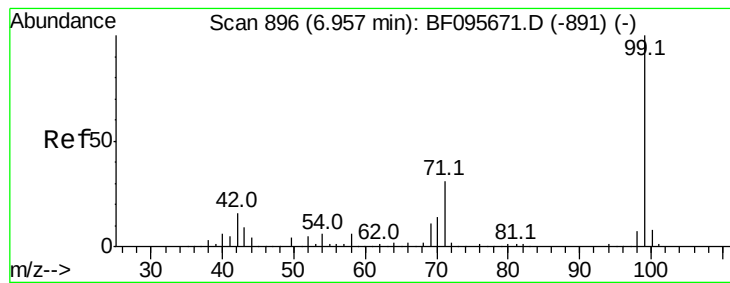
2-Fluorophenol
Concen: 43.92 ng
RT: 5.27 min Scan# 627
Delta R.T. -0.01 min
Lab File: BF095757.D
Acq: 7 Jun 2017 21:07

Tgt Ion:112 Resp: 204473
Ion Ratio Lower Upper
112 100
64 53.6 46.0 69.0
63 25.2 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: 45.51 ng

RT: 6.94 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF095757.D

Acq: 7 Jun 2017 21:07

Instrument :

BNA_F

ClientSampled :

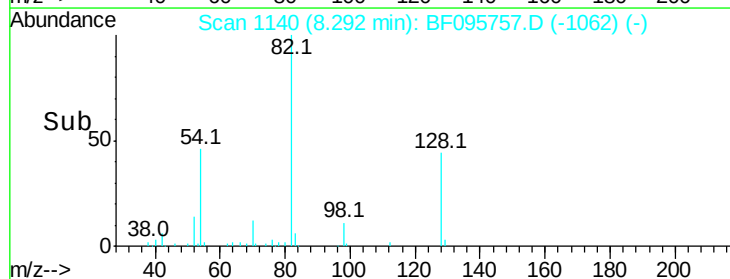
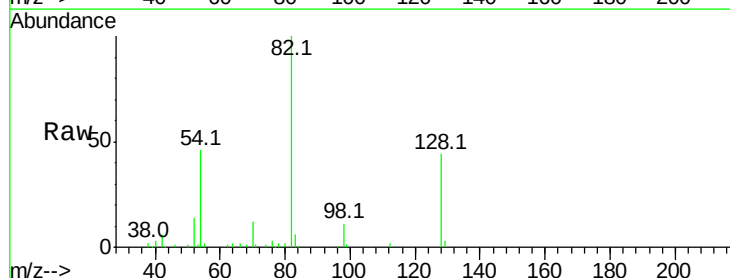
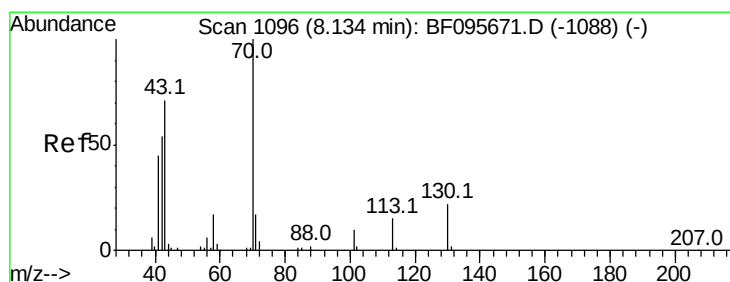
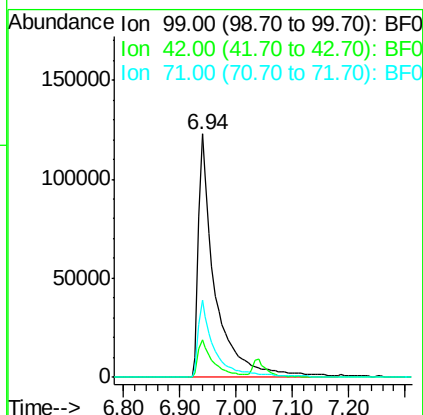
Tot Ion: 99 Resp: 253600

Ion Ratio Lower Upper

99 100

42 15.6 13.5 20.3

71 31.6 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 4.80 ng

RT: 8.29 min Scan# 1140

Delta R.T. 0.16 min

Lab File: BF095757.D

Acq: 7 Jun 2017 21:07

Tgt Ion: 70 Resp: 16964

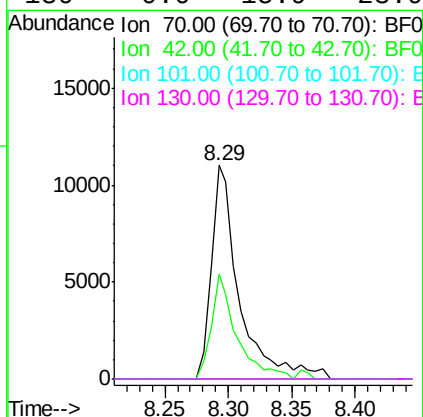
Ion Ratio Lower Upper

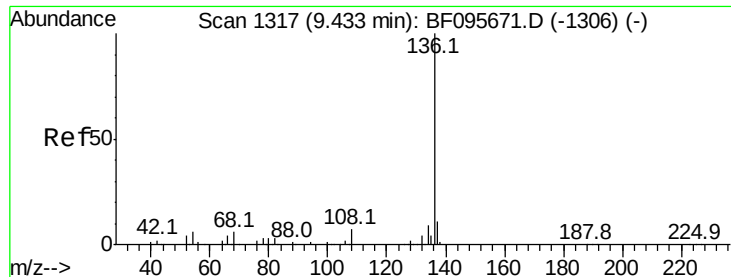
70 100

42 49.4 47.2 70.8

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

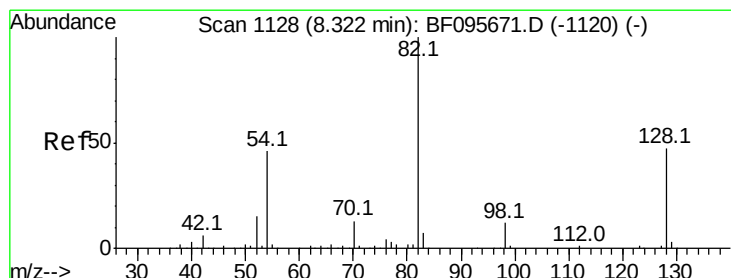
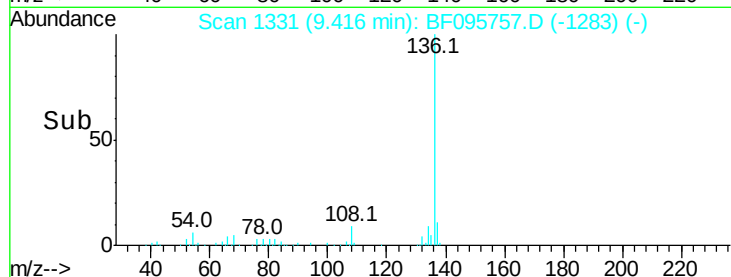
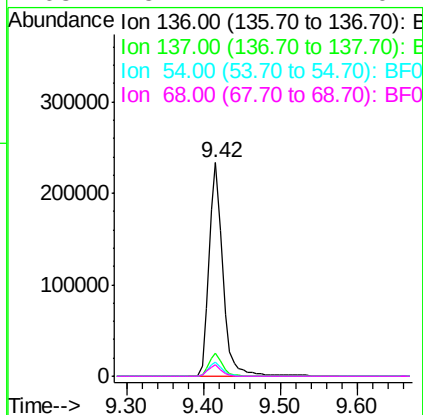
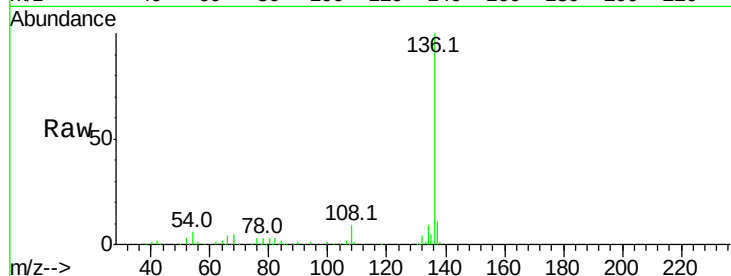




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.42 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF095757.D
Acq: 7 Jun 2017 21:07

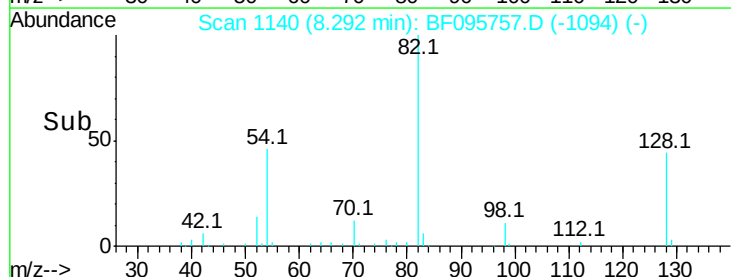
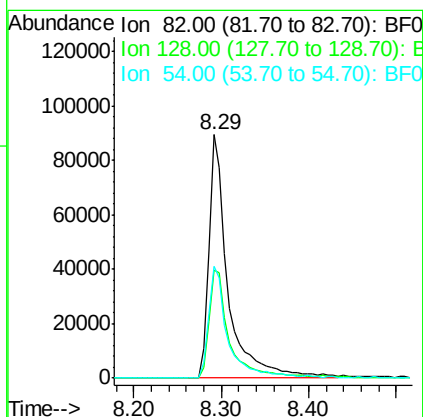
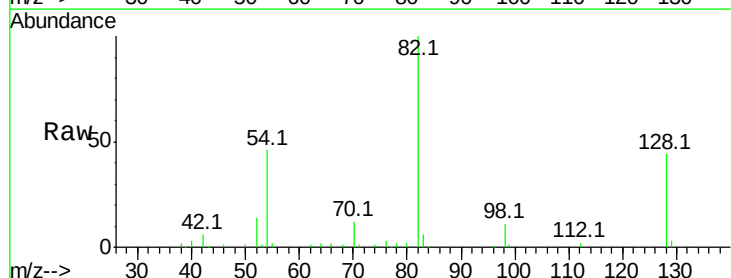
Instrument :
BNA_F
ClientSampleId :

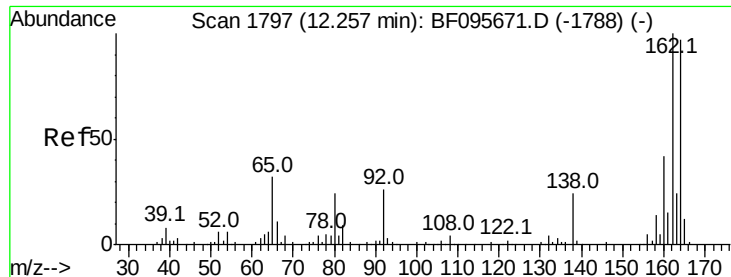
Tot Ion:136	Resp:	288036
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.5 12.7
54	6.5	4.9 7.3
68	5.2	4.1 6.1



#23
Nitrobenzene-d5
Concen: 29.43 ng
RT: 8.29 min Scan# 1140
Delta R.T. -0.03 min
Lab File: BF095757.D
Acq: 7 Jun 2017 21:07

Tgt Ion: 82	Resp:	136496
Ion	Ratio	Lower Upper
82	100	
128	44.4	34.0 51.0
54	46.1	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: BF095757.D

Acq: 7 Jun 2017 21:07

Instrument :

BNA_F

ClientSampleId :

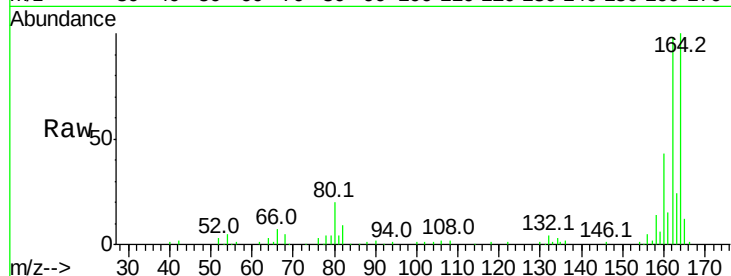
Tot Ion:164 Resp: 115134

Ion Ratio Lower Upper

164 100

162 98.2 82.6 123.8

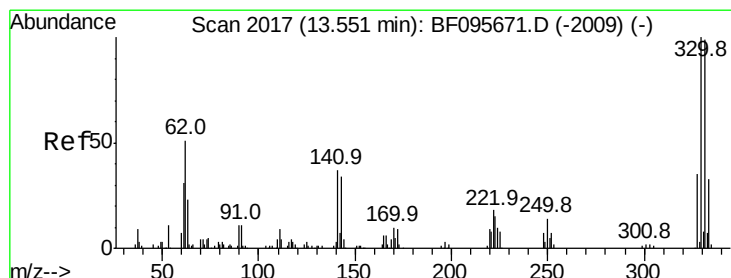
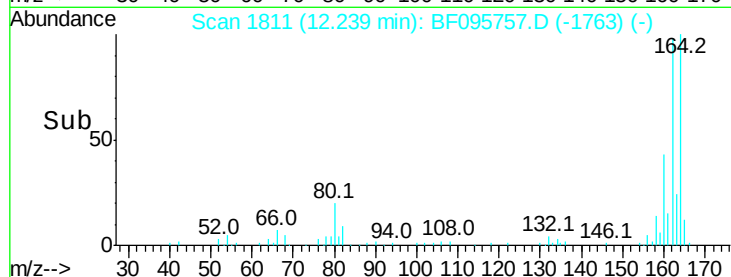
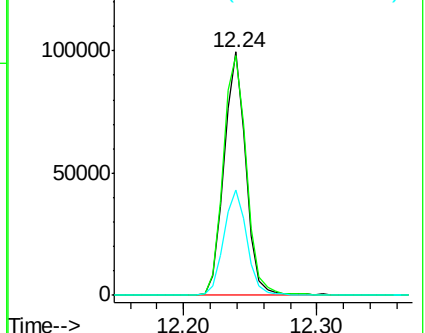
160 43.4 36.2 54.2



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: 39.19 ng

RT: 13.53 min Scan# 2031

Delta R.T. -0.02 min

Lab File: BF095757.D

Acq: 7 Jun 2017 21:07

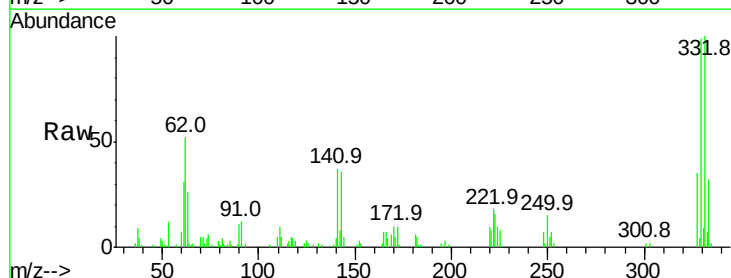
Tgt Ion:330 Resp: 39917

Ion Ratio Lower Upper

330 100

332 99.9 76.6 115.0

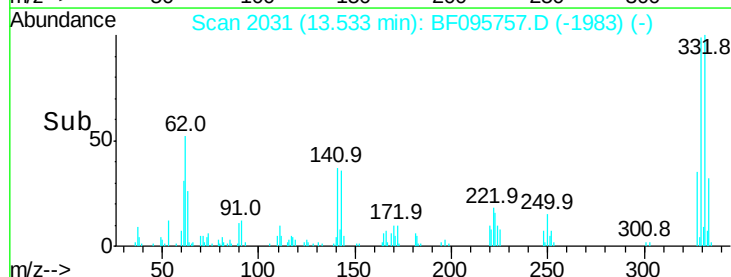
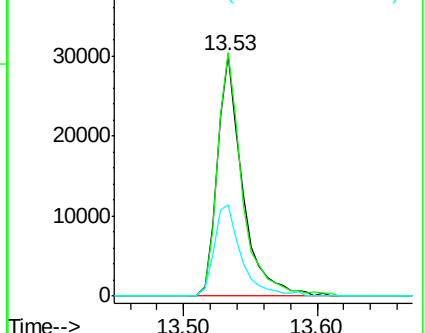
141 40.5 31.4 47.2

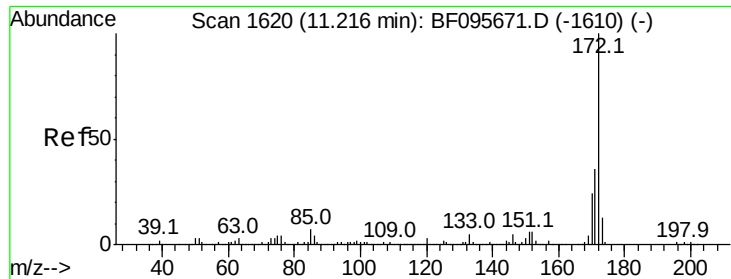


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

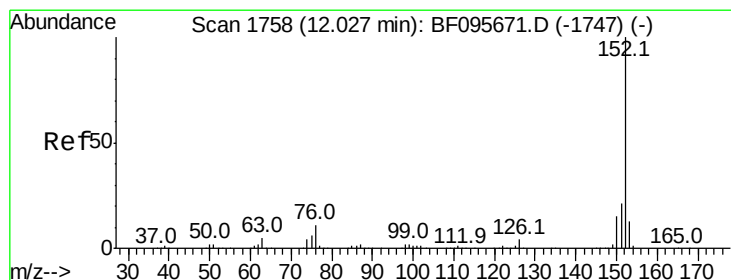
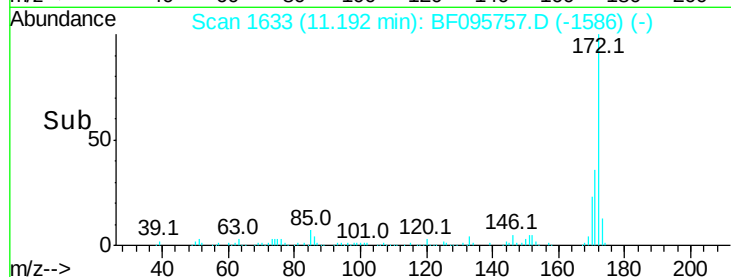
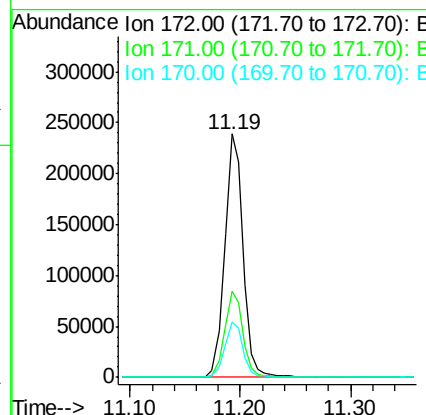
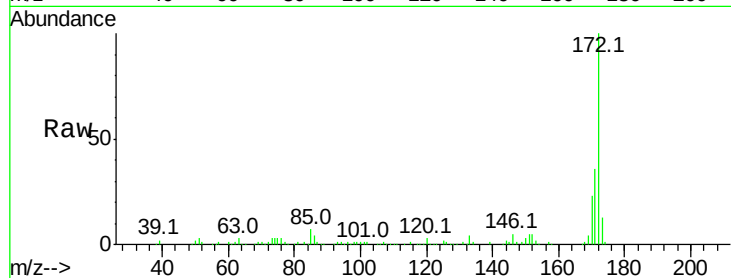




#44
2-Fluorobiphenyl
Concen: 33.41 ng
RT: 11.19 min Scan# 1633
Delta R.T. -0.02 min
Lab File: BF095757.D
Acq: 7 Jun 2017 21:07

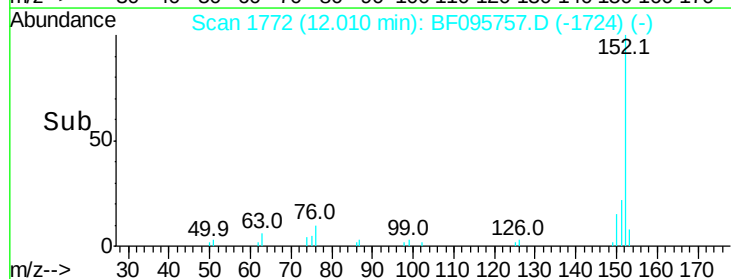
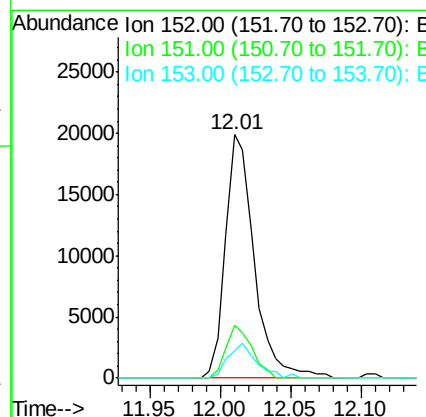
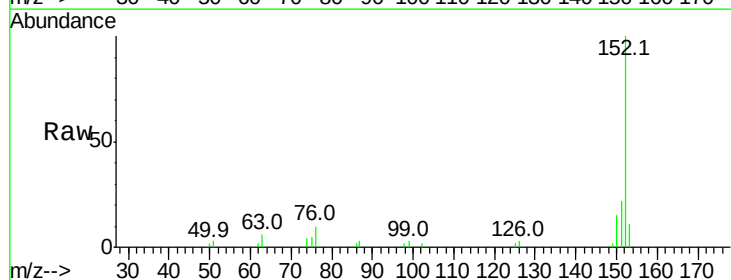
Instrument :
BNA_F
ClientSampleId :

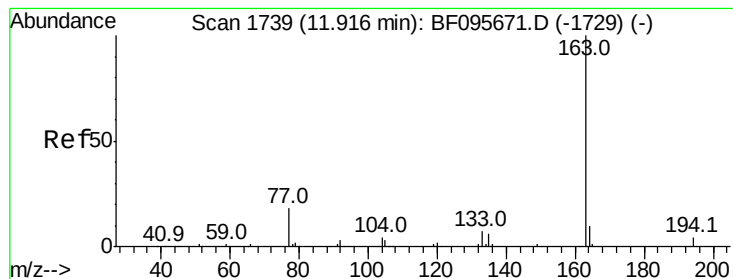
Tot Ion:172 Resp: 276428
Ion Ratio Lower Upper
172 100
171 35.6 29.6 44.4
170 23.0 19.8 29.8



#48
Acenaphthylene
Concen: 2.23 ng
RT: 12.01 min Scan# 1772
Delta R.T. -0.02 min
Lab File: BF095757.D
Acq: 7 Jun 2017 21:07

Tgt Ion:152 Resp: 28260
Ion Ratio Lower Upper
152 100
151 21.6 16.8 25.2
153 11.1 10.8 16.2





#49

Dimethylphthalate

Concen: 11.77 ng

RT: 11.89 min Scan# 1751

Delta R.T. -0.03 min

Lab File: BF095757.D

Acq: 7 Jun 2017 21:07

Instrument :

BNA_F

ClientSampleId :

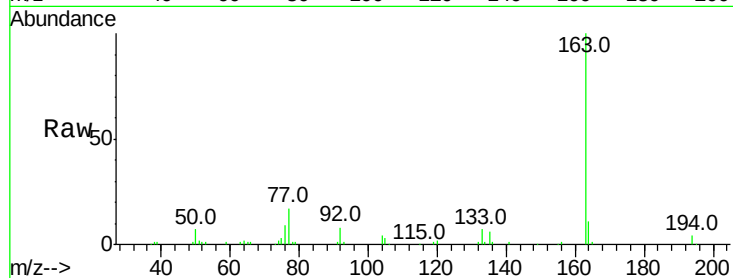
Tot Ion:163 Resp: 102891

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

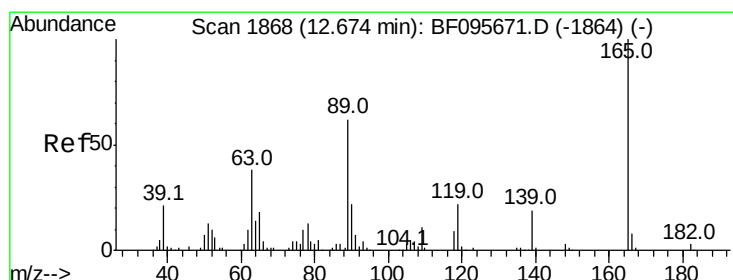
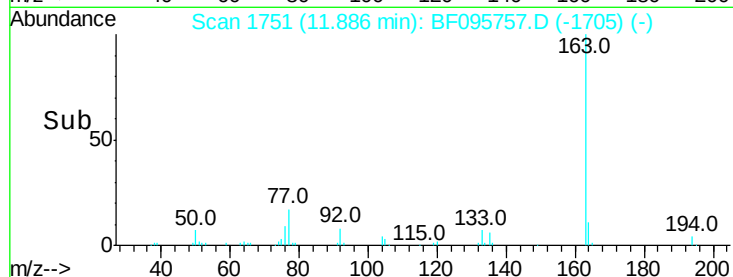
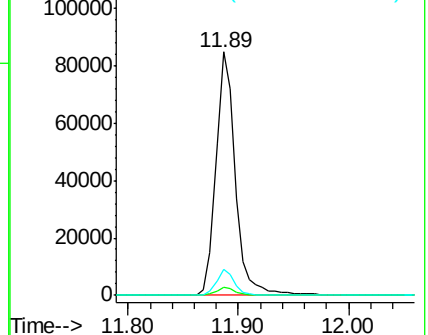
164 10.5 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#55

4-Nitrophenol

Concen: 5.68 ng

RT: 12.59 min Scan# 1871

Delta R.T. -0.08 min

Lab File: BF095757.D

Acq: 7 Jun 2017 21:07

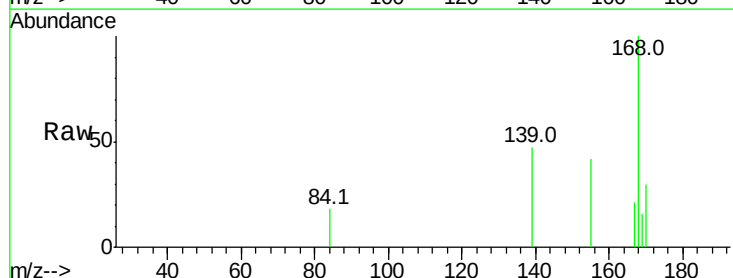
Tgt Ion:139 Resp: 1445

Ion Ratio Lower Upper

139 100

109 0.0 34.1 74.1#

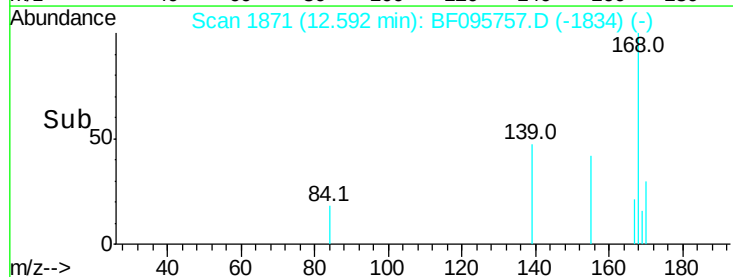
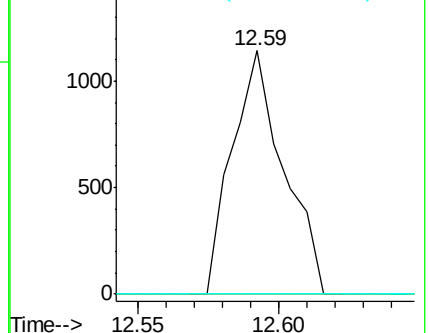
65 0.0 31.4 71.4#

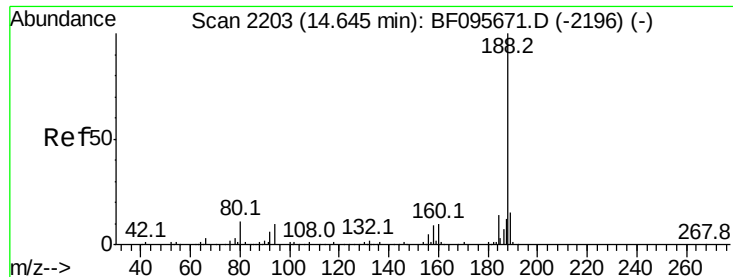


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

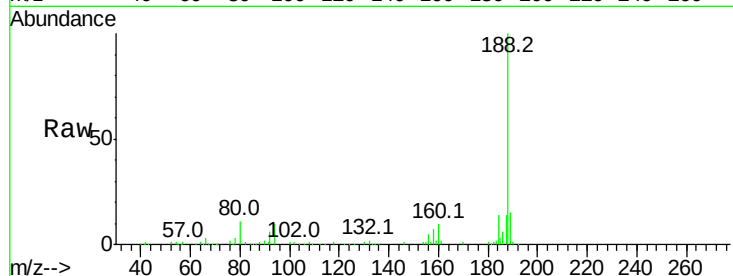




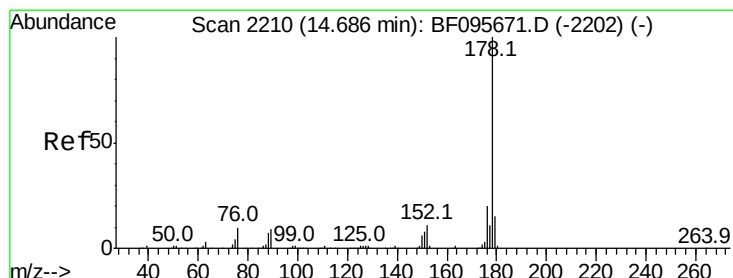
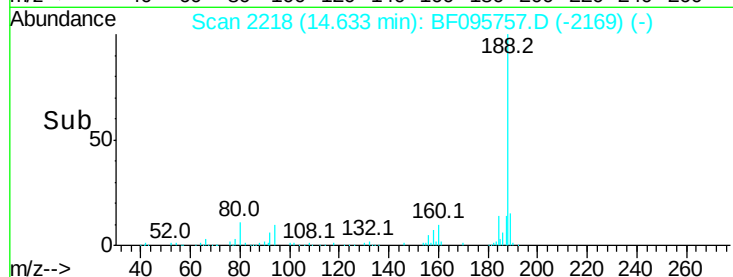
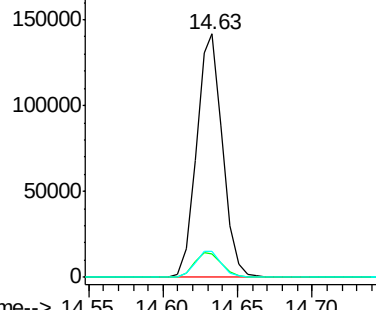
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.63 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF095757.D
Acq: 7 Jun 2017 21:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 172298
Ion Ratio Lower Upper
188 100
94 9.9 9.4 14.2
80 10.7 10.2 15.2

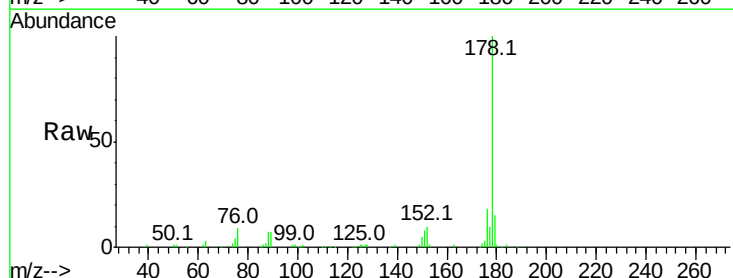


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

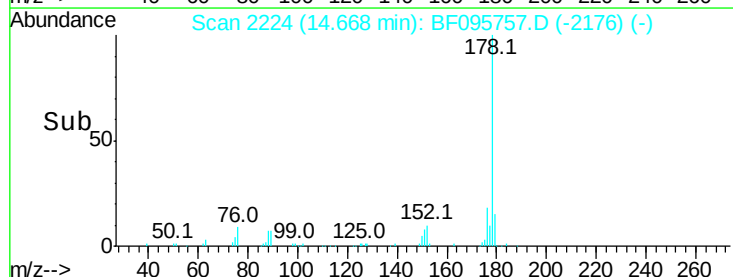
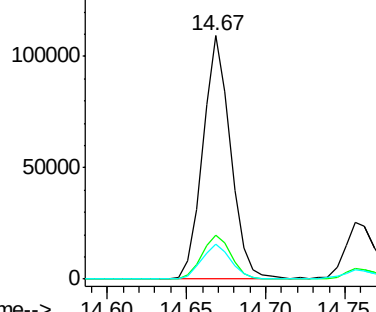


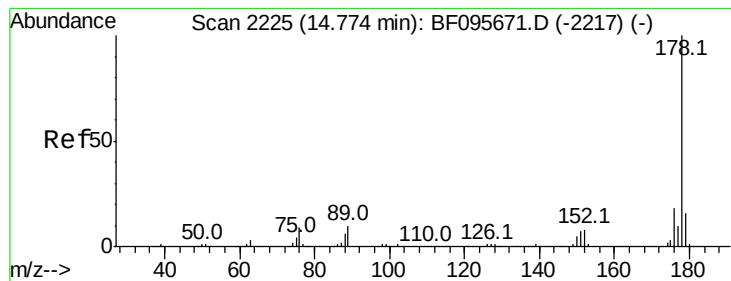
#70
Phenanthrene
Concen: 13.32 ng
RT: 14.67 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF095757.D
Acq: 7 Jun 2017 21:07

Tgt Ion:178 Resp: 132401
Ion Ratio Lower Upper
178 100
176 17.8 16.2 24.4
179 14.5 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 3.34 ng

RT: 14.76 min Scan# 2239

Delta R.T. -0.02 min

Lab File: BF095757.D

Acq: 7 Jun 2017 21:07

Instrument :

BNA_F

ClientSampleId :

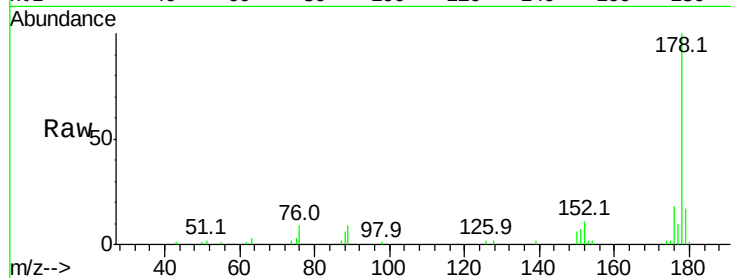
Tot Ion:178 Resp: 34717

Ion Ratio Lower Upper

178 100

176 17.8 15.8 23.8

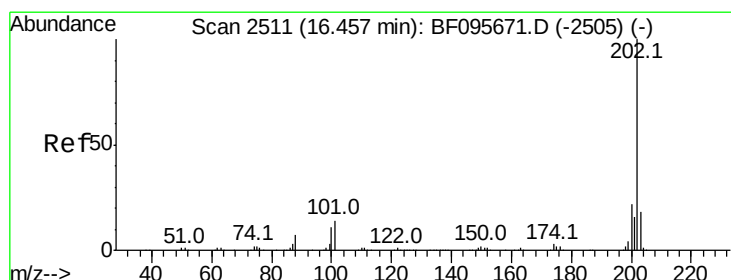
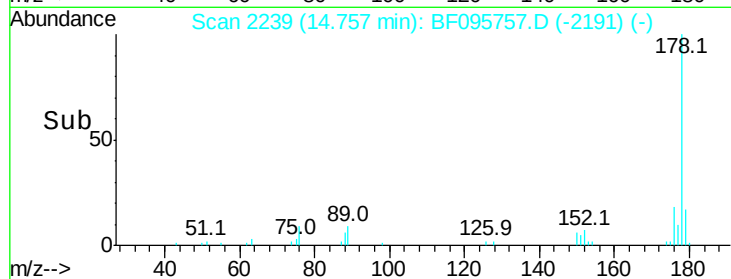
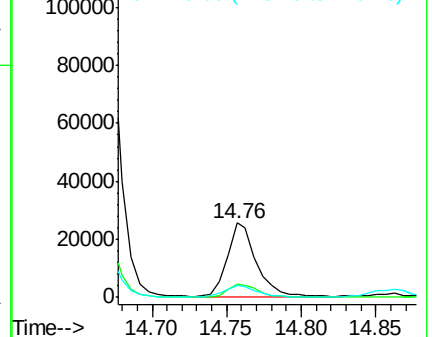
179 16.7 12.7 19.1



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: 17.65 ng

RT: 16.45 min Scan# 2527

Delta R.T. -0.01 min

Lab File: BF095757.D

Acq: 7 Jun 2017 21:07

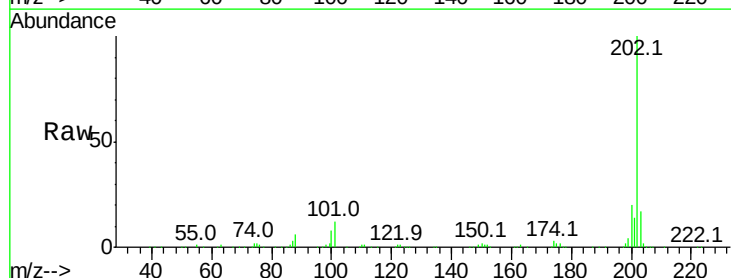
Tgt Ion:202 Resp: 173666

Ion Ratio Lower Upper

202 100

101 12.0 0.0 33.2

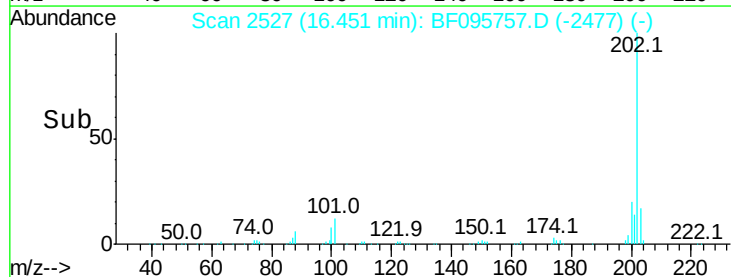
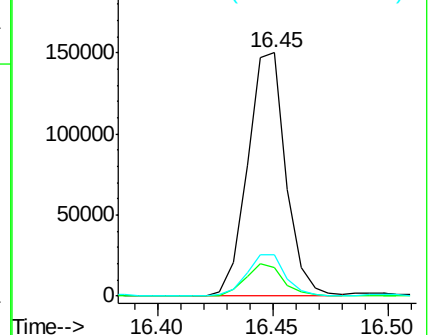
203 16.8 0.0 38.1

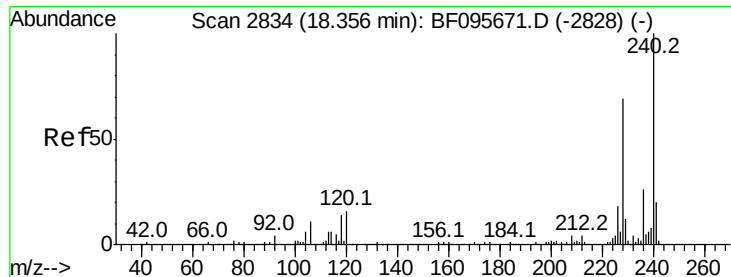


Abundance Ion 202.00 (201.70 to 202.70): E

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: 18.35 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BF095757.D

Acq: 7 Jun 2017 21:07

Instrument :

BNA_F

ClientSampleId :

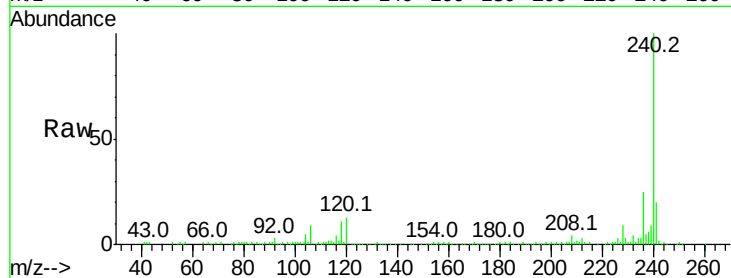
Tot Ion:240 Resp: 142101

Ion Ratio Lower Upper

240 100

120 13.1 5.8 8.8#

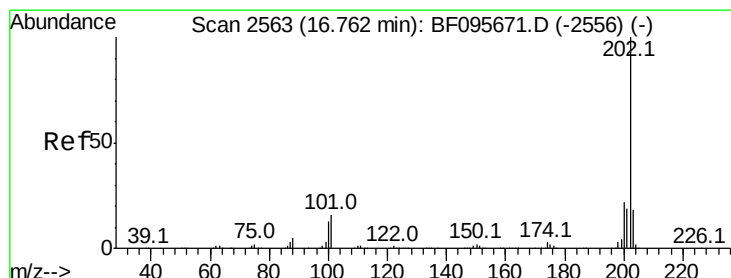
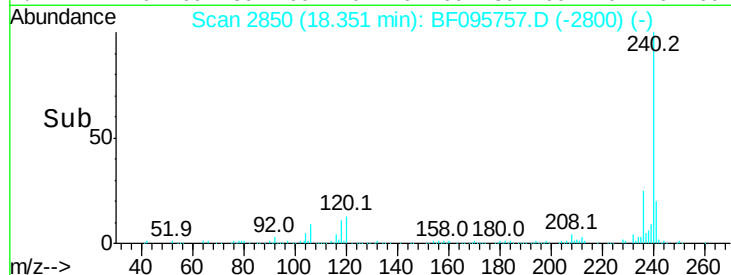
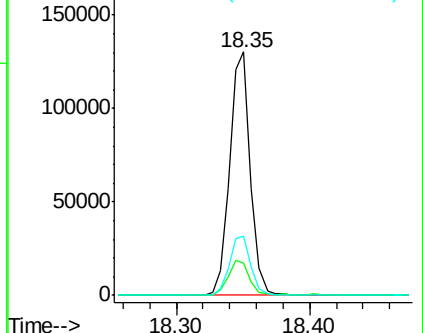
236 24.6 20.5 30.7



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: 18.49 ng

RT: 16.75 min Scan# 2578

Delta R.T. -0.01 min

Lab File: BF095757.D

Acq: 7 Jun 2017 21:07

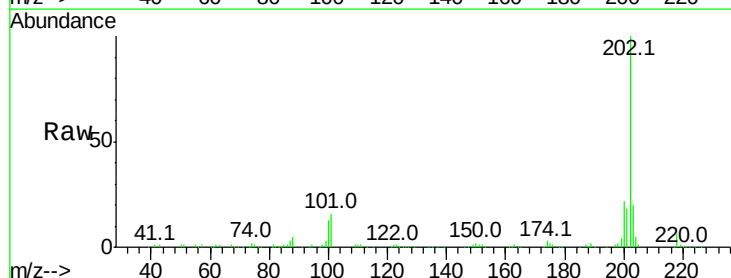
Tgt Ion:202 Resp: 196016

Ion Ratio Lower Upper

202 100

200 21.7 17.6 26.4

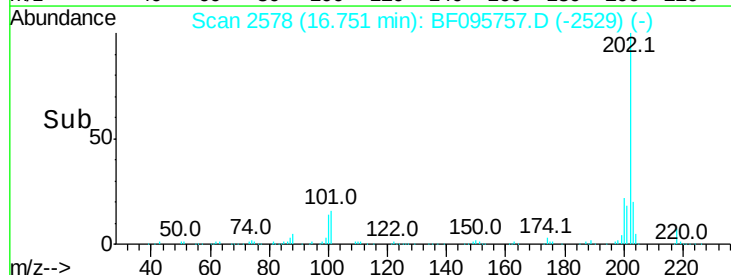
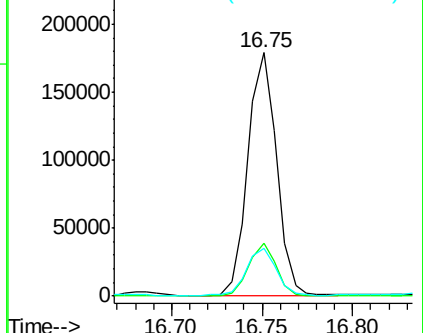
203 19.9 14.4 21.6

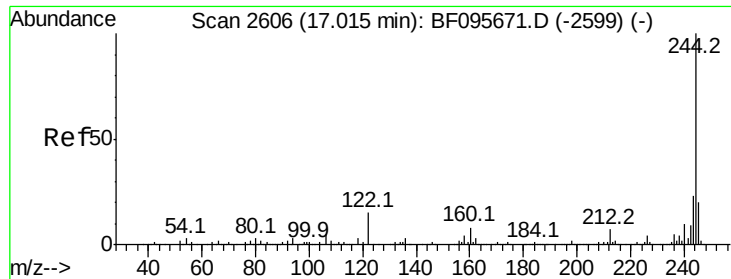


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

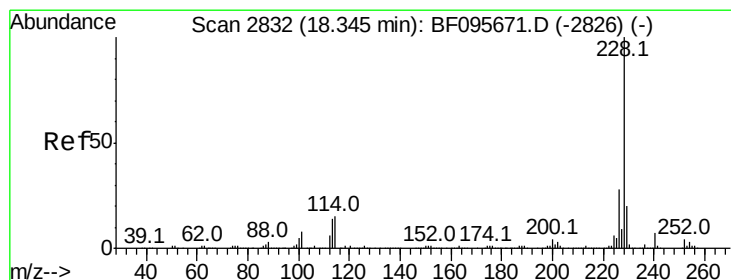
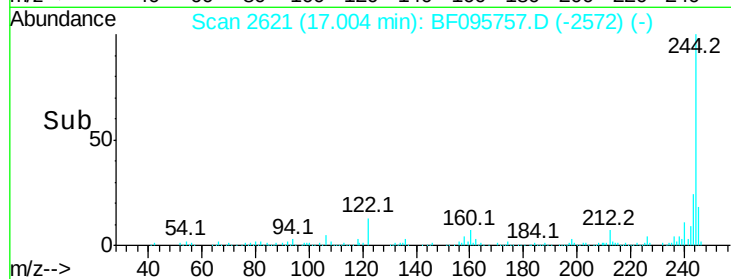
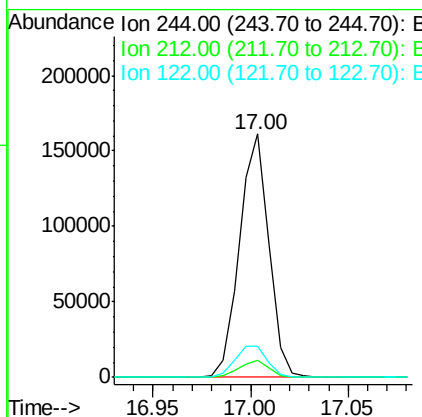
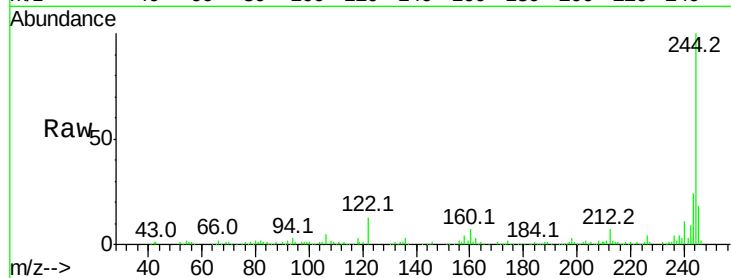




#78
 Terphenyl-d14
 Concen: 29.30 ng
 RT: 17.00 min Scan# 2621
 Delta R.T. -0.01 min
 Lab File: BF095757.D
 Acq: 7 Jun 2017 21:07

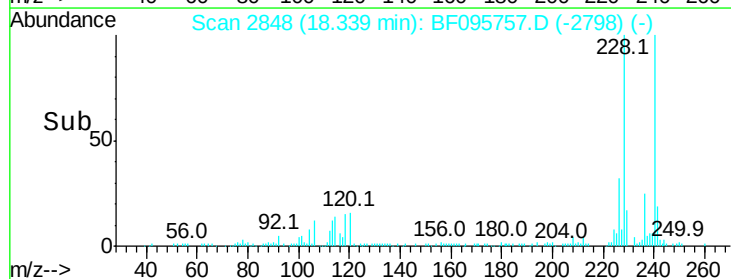
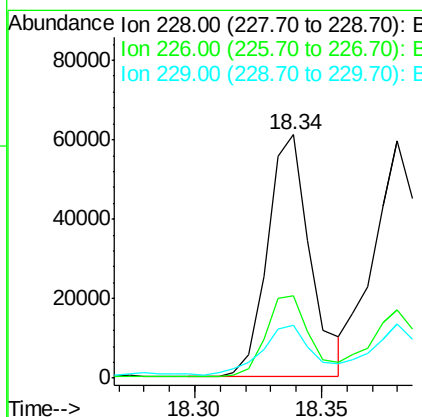
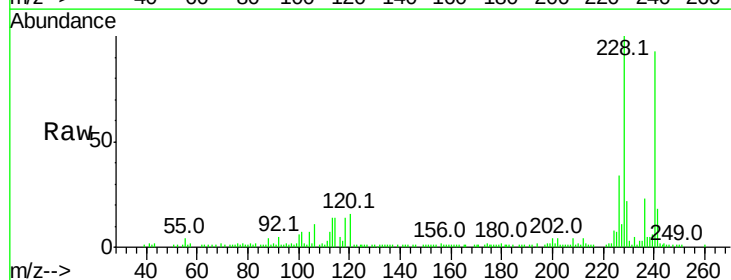
Instrument :
 BNA_F
 ClientSampleId :

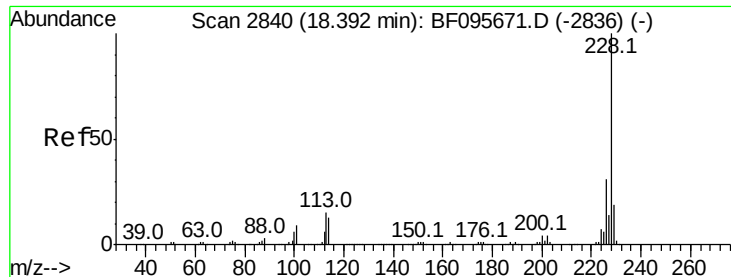
Tot Ion:244 Resp: 167781
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 12.6 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 8.71 ng
 RT: 18.34 min Scan# 2848
 Delta R.T. -0.01 min
 Lab File: BF095757.D
 Acq: 7 Jun 2017 21:07

Tgt Ion:228 Resp: 71948
 Ion Ratio Lower Upper
 228 100
 226 33.6 22.6 33.8
 229 21.8 16.3 24.5





#82

Chrysene

Concen: 9.07 ng

RT: 18.38 min Scan# 2855

Delta R.T. -0.01 min

Lab File: BF095757.D

Acq: 7 Jun 2017 21:07

Instrument :

BNA_F

ClientSampleId :

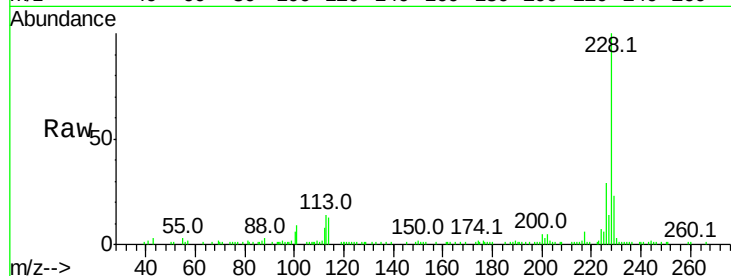
Tot Ion:228 Resp: 74910

Ion Ratio Lower Upper

228 100

226 28.8 24.9 37.3

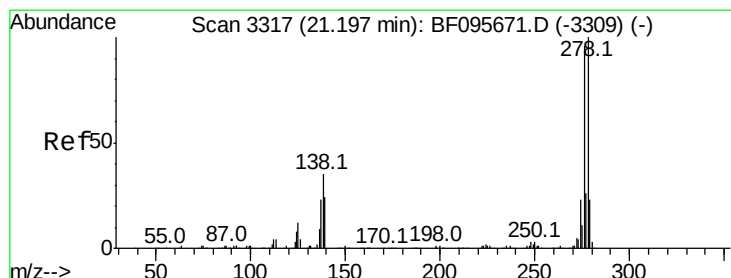
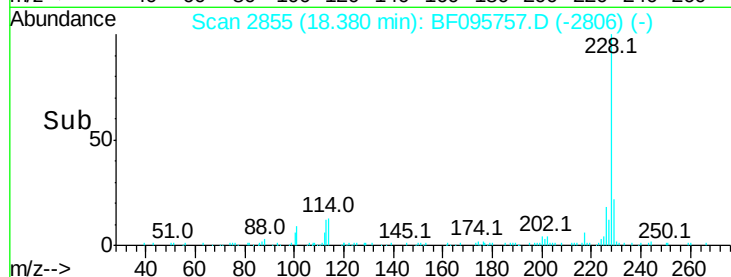
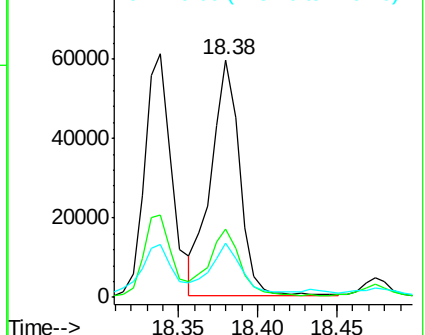
229 22.9 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.07 ng

RT: 21.20 min Scan# 3335

Delta R.T. 0.01 min

Lab File: BF095757.D

Acq: 7 Jun 2017 21:07

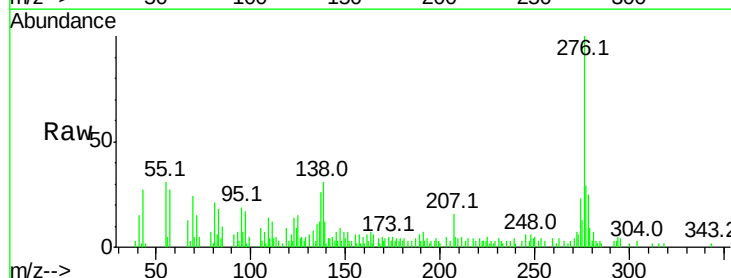
Tgt Ion:276 Resp: 21655

Ion Ratio Lower Upper

276 100

138 34.0 27.8 41.6

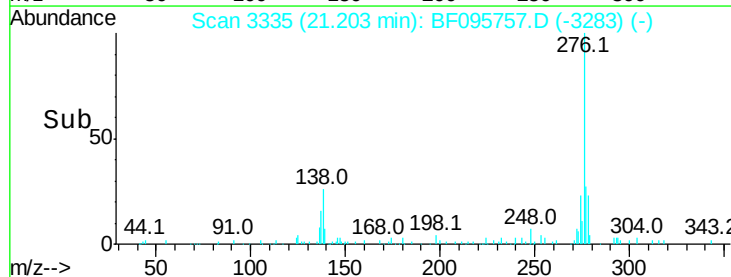
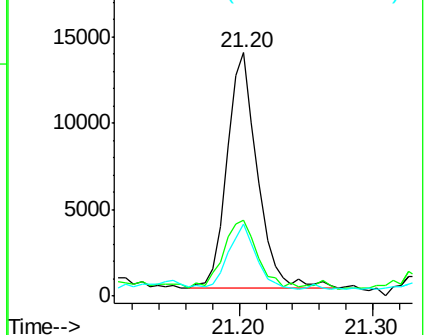
277 25.6 20.2 30.4

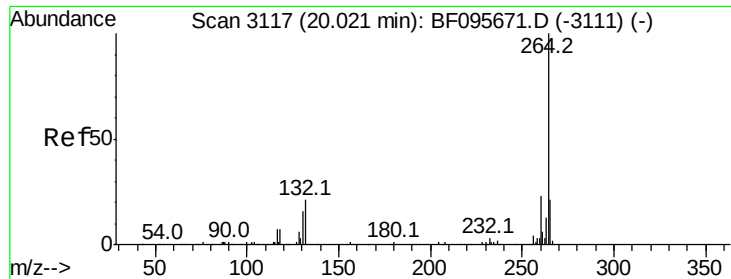


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

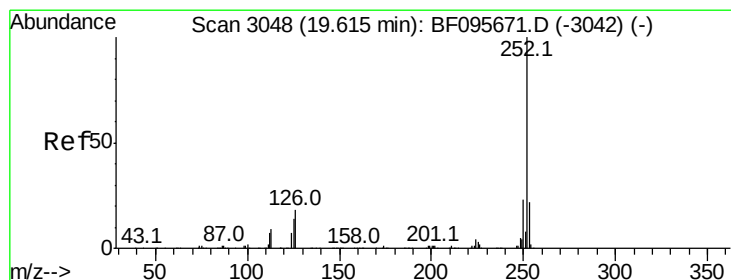
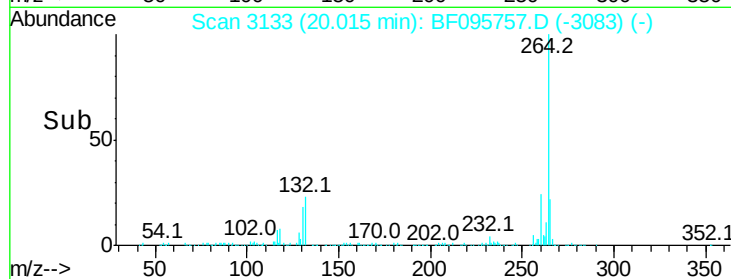
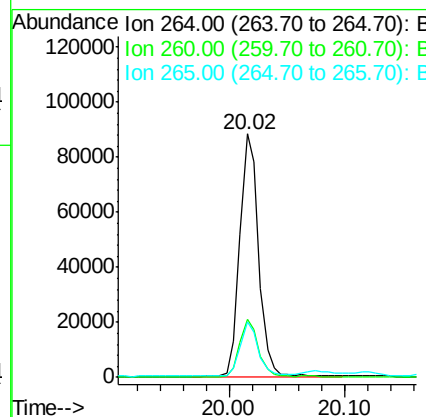
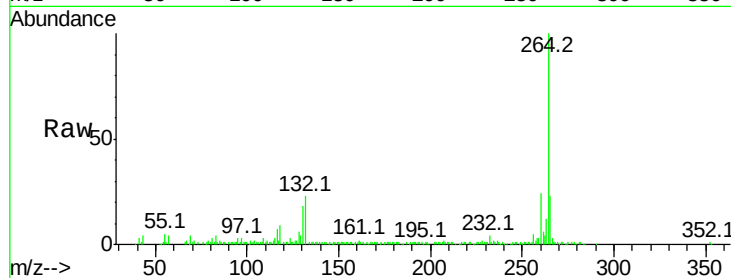




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.02 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BF095757.D
Acq: 7 Jun 2017 21:07

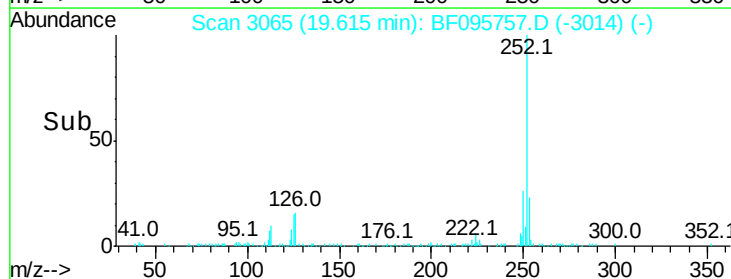
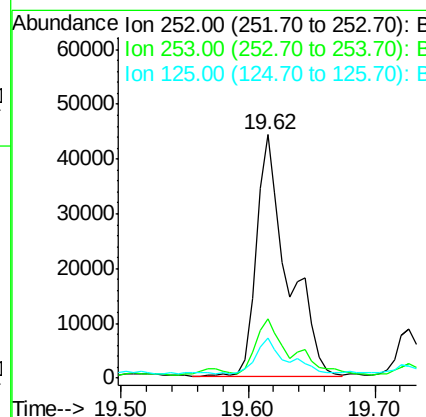
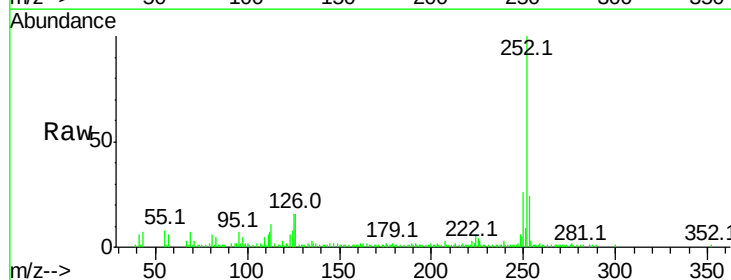
Instrument :
BNA_F
ClientSampleId :

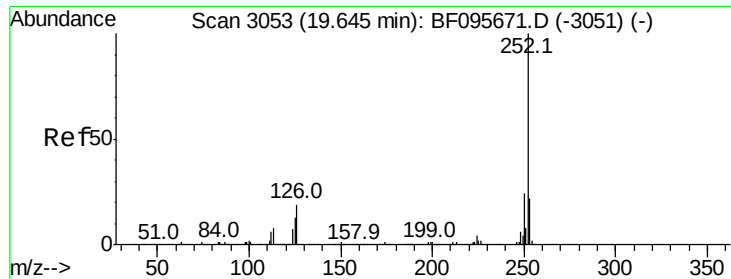
Tot Ion:264 Resp: 101756
Ion Ratio Lower Upper
264 100
260 24.1 19.5 29.3
265 22.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 11.95 ng
RT: 19.62 min Scan# 3065
Delta R.T. 0.00 min
Lab File: BF095757.D
Acq: 7 Jun 2017 21:07

Tgt Ion:252 Resp: 76128
Ion Ratio Lower Upper
252 100
253 24.4 18.1 27.1
125 16.4 9.8 14.8#

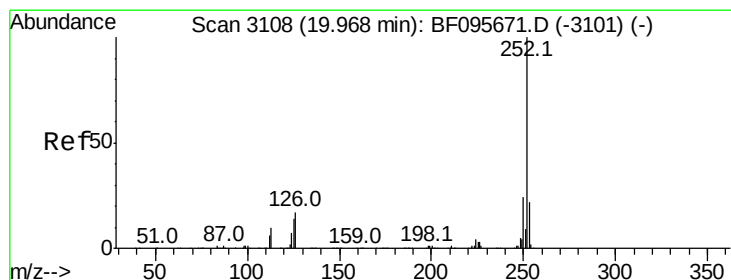
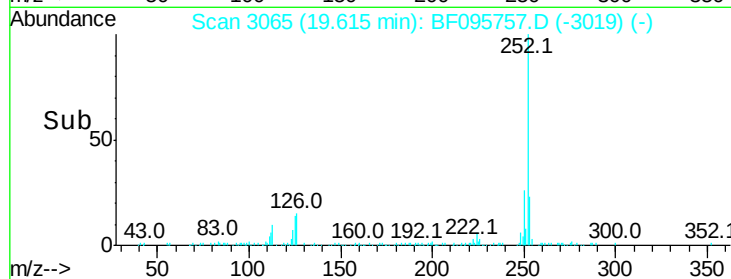
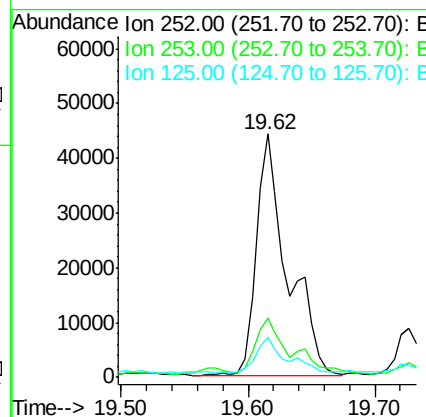
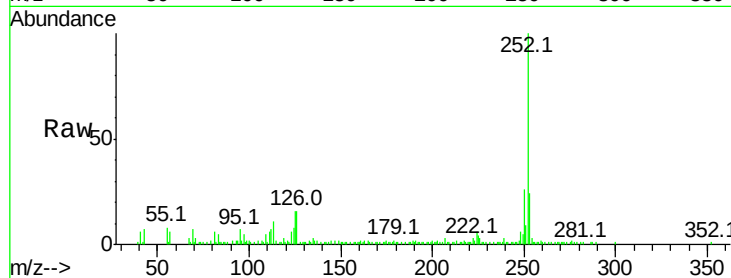




#88
Benzo(k)fluoranthene
Concen: 12.50 ng
RT: 19.62 min Scan# 3065
Delta R.T. -0.03 min
Lab File: BF095757.D
Acq: 7 Jun 2017 21:07

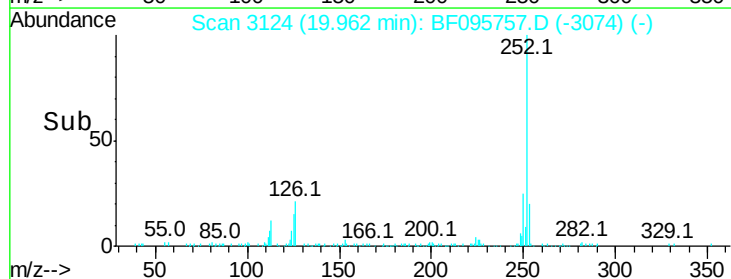
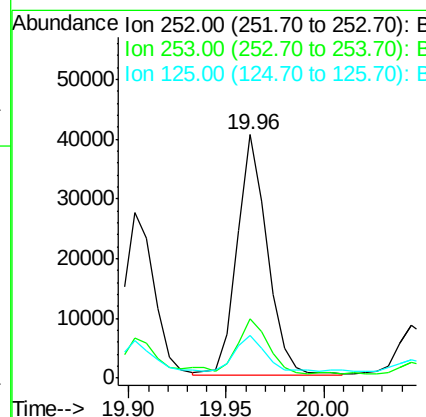
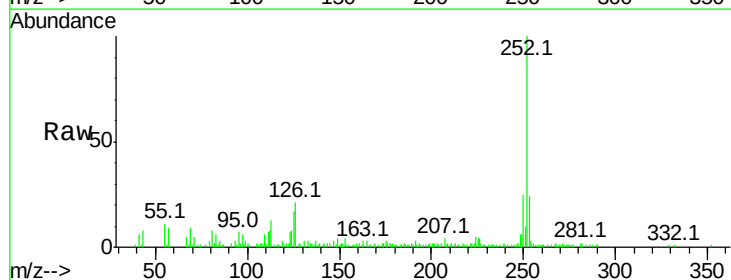
Instrument :
BNA_F
ClientSampleId :

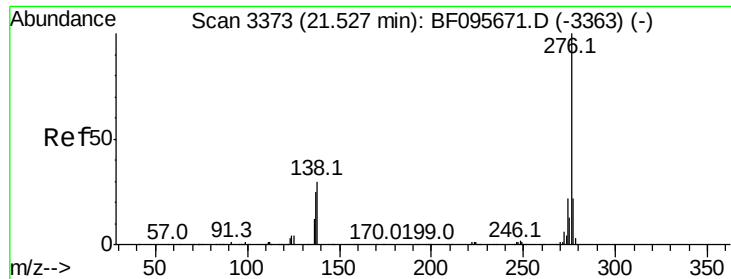
Tot Ion:252 Resp: 76128
Ion Ratio Lower Upper
252 100
253 24.4 18.4 27.6
125 16.4 13.1 19.7



#89
Benzo(a)pyrene
Concen: 7.37 ng
RT: 19.96 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BF095757.D
Acq: 7 Jun 2017 21:07

Tgt Ion:252 Resp: 43186
Ion Ratio Lower Upper
252 100
253 24.1 17.5 26.3
125 17.3 11.0 16.4#





#91
 Benzo(a,h,i)perylene
 Concen: 4.90 ng
 RT: 21.54 min Scan# 3392
 Delta R.T. 0.01 min
 Lab File: BF095757.D
 Acq: 7 Jun 2017 21:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.6	28.0
138	28.6	25.4	38.0

