

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060817\
 Data File : BF095798.D
 Acq On : 8 Jun 2017 23:10
 Operator : SJ/MA
 Sample : I3495-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 09 01:27:40 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	71658	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	291010	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	128865	20.00	ng	-0.04
63) Phenanthrene-d10	14.62	188	220979	20.00	ng	-0.03
75) Chrysene-d12	18.33	240	146448	20.00	ng	-0.03
86) Perylene-d12	20.00	264	132839	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	481024	106.96	ng	-0.02
7) Phenol-d6	6.93	99	595046	110.53	ng	-0.03
23) Nitrobenzene-d5	8.28	82	333762	71.23	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	104814	91.93	ng	-0.04
44) 2-Fluorobiphenyl	11.18	172	475686	51.37	ng	-0.04
78) Terphenyl-d14	16.99	244	279061	47.29	ng	-0.03
Target Compounds						Qvalue
10) Phenol	6.95	94	12276	2.20	ng	# 70
19) n-Nitroso-di-n-propylamine	8.28	70	41056	12.03	ng	# 76
49) Dimethylphthalate	11.87	163	149175	15.25	ng	98
55) 4-Nitrophenol	12.57	139	2735	6.40	ng	# 25
70) Phenanthrene	14.65	178	240171	18.84	ng	98
71) Anthracene	14.74	178	46166	3.47	ng	96
74) Fluoranthene	16.43	202	375974	29.79	ng	98
77) Pyrene	16.73	202	324746	29.72	ng	96
80) Benzo(a)anthracene	18.32	228	123670	14.52	ng	96
82) Chrysene	18.36	228	115461	13.57	ng	98
83) Bis(2-ethylhexyl)phthalate	18.41	149	22584	3.35	ng	96
85) Indeno(1,2,3-cd)pyrene	21.17	276	60723	8.34	ng	94
87) Benzo(b)fluoranthene	19.60	252	186132	22.38	ng	# 96
88) Benzo(k)fluoranthene	19.60	252	186132	23.41	ng	97
89) Benzo(a)pyrene	19.94	252	108774	14.23	ng	100
91) Benzo(g,h,i)perylene	21.50	276	61668	9.33	ng	96

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

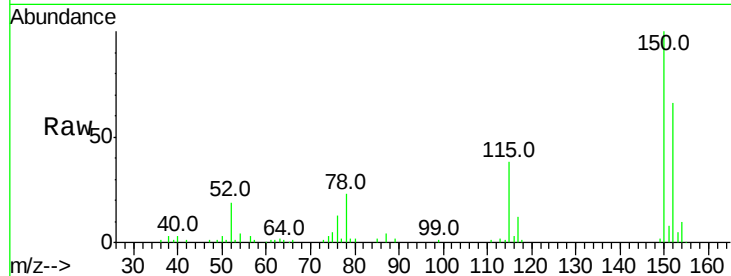


#1

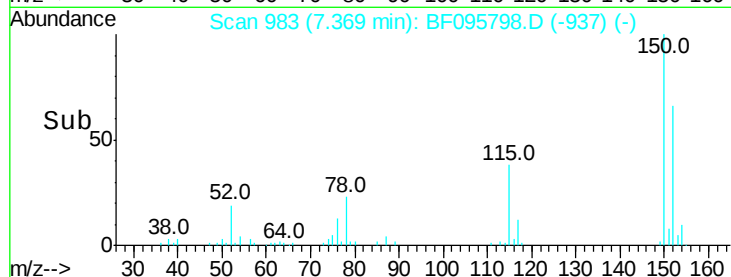
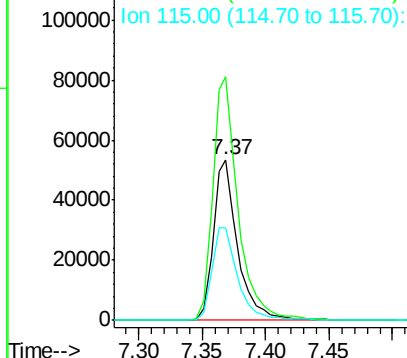
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 983
Delta R.T. -0.03 min
Lab File: BF095798.D
Acq: 8 Jun 2017 23:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 71658
Ion Ratio Lower Upper
152 100
150 151.8 126.2 189.2
115 57.4 52.2 78.2



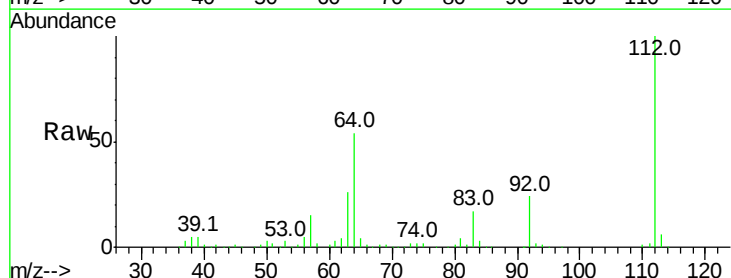
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



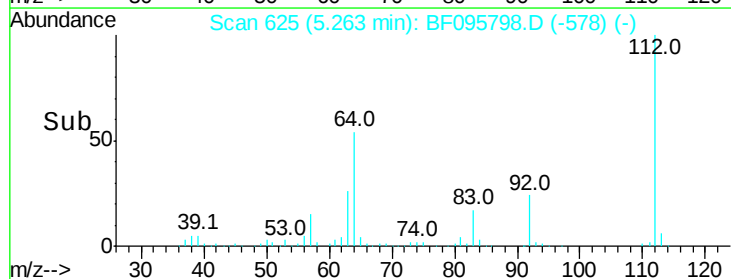
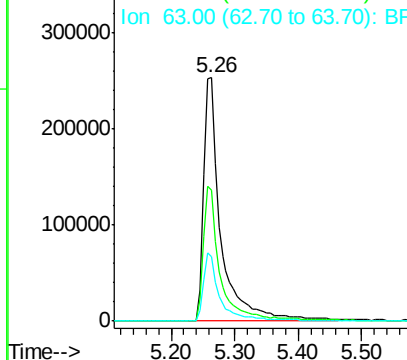
#5

2-Fluorophenol
Concen: 106.96 ng
RT: 5.26 min Scan# 625
Delta R.T. -0.02 min
Lab File: BF095798.D
Acq: 8 Jun 2017 23:10

Tgt Ion:112 Resp: 481024
Ion Ratio Lower Upper
112 100
64 53.7 46.0 69.0
63 26.4 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: 110.53 ng

RT: 6.93 min Scan# 908

Delta R.T. -0.03 min

Lab File: BF095798.D

Acq: 8 Jun 2017 23:10

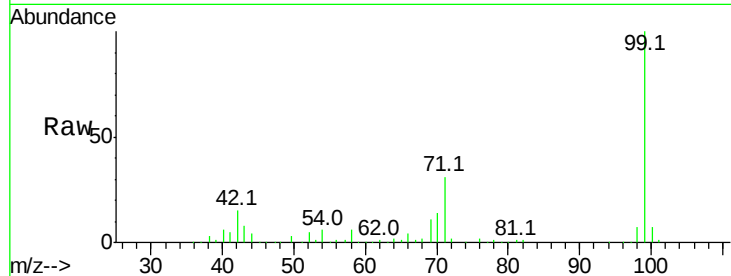
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 595046

Ion	Ratio	Lower	Upper
99	100		
42	15.4	13.5	20.3
71	31.5	24.5	36.7

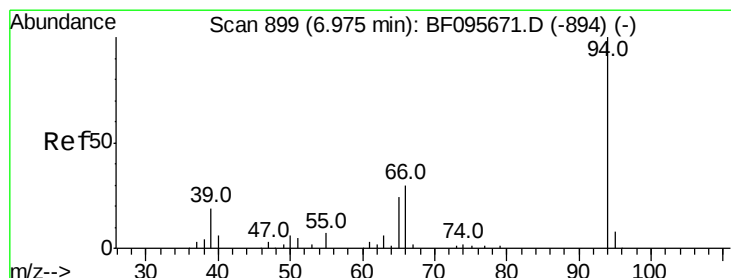
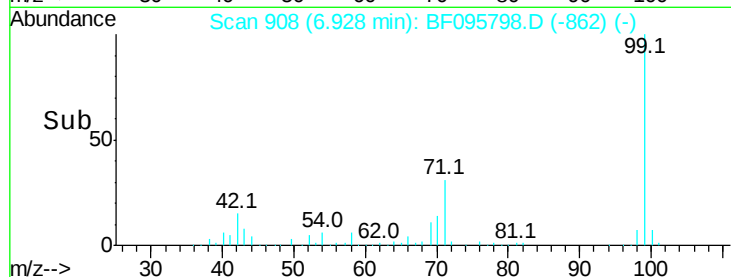
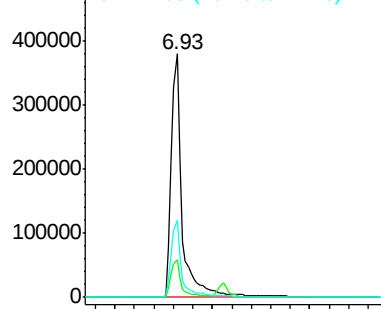


Abundance

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



#10

Phenol

Concen: 2.20 ng

RT: 6.95 min Scan# 911

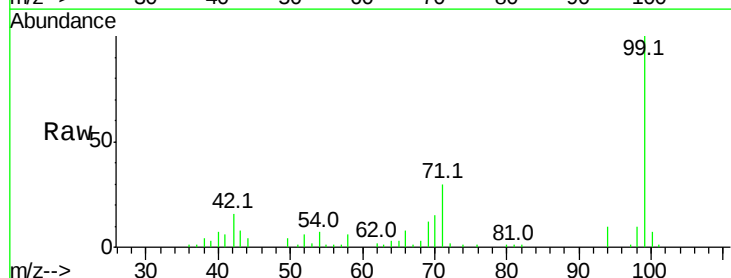
Delta R.T. -0.03 min

Lab File: BF095798.D

Acq: 8 Jun 2017 23:10

Tgt Ion: 94 Resp: 12276

Ion	Ratio	Lower	Upper
94	100		
65	29.7	9.9	49.9
66	75.0	23.1	63.1

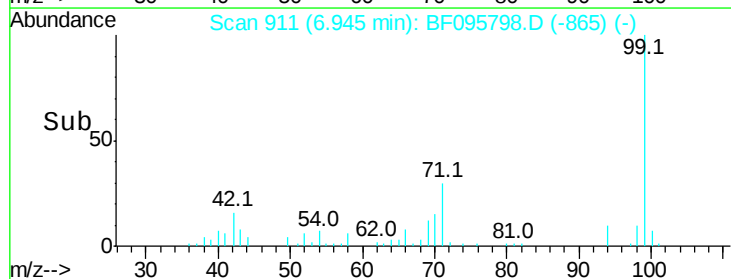
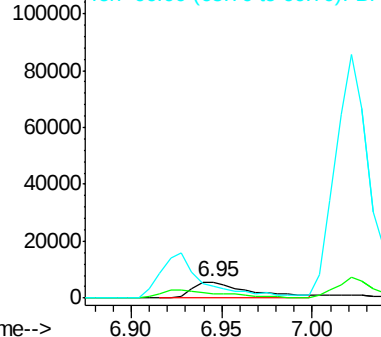


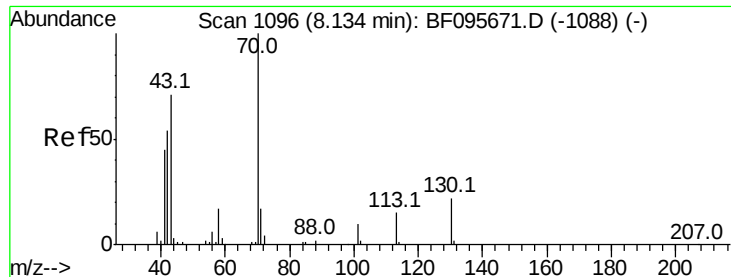
Abundance

Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

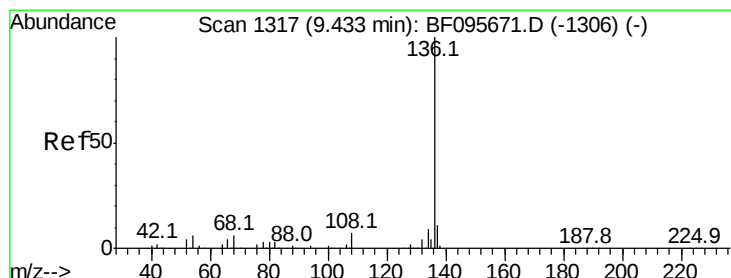
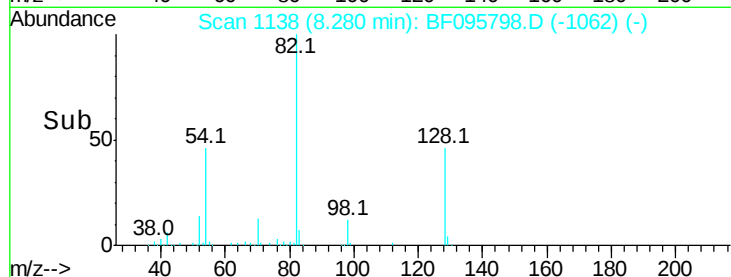
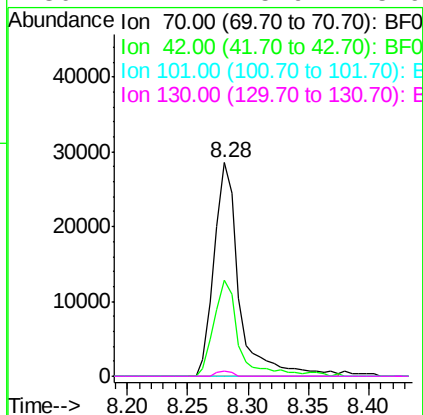
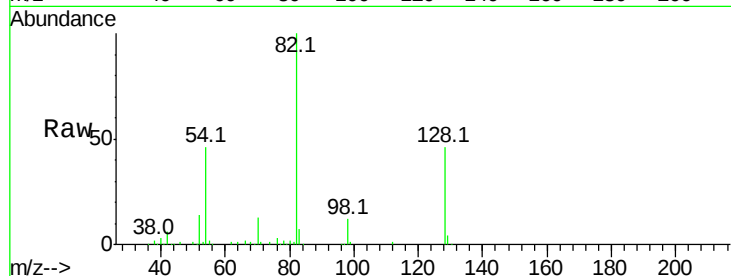




#19
n-Nitroso-di-n-propylamine
Concen: 12.03 ng
RT: 8.28 min Scan# 1138
Delta R.T. 0.15 min
Lab File: BF095798.D
Acq: 8 Jun 2017 23:10

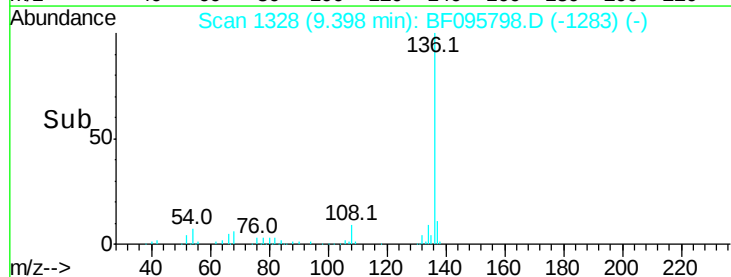
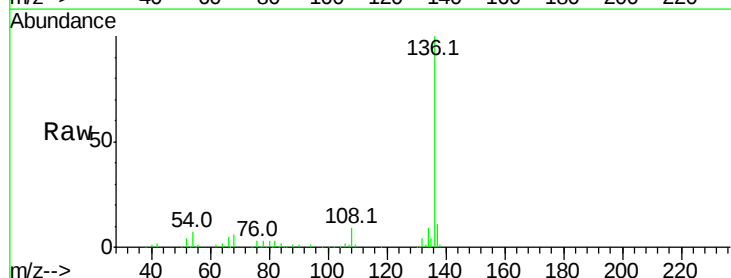
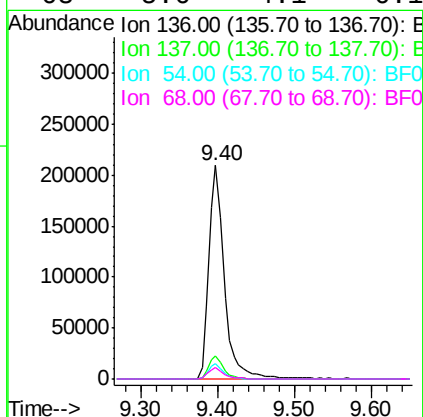
Instrument :
BNA_F
ClientSampleId :

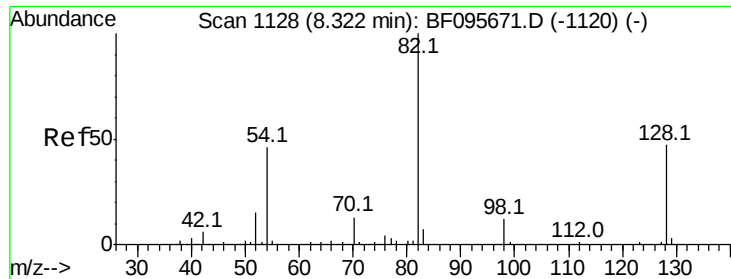
Tot Ion: 70 Resp: 41056
Ion Ratio Lower Upper
70 100
42 44.8 47.2 70.8#
101 0.0 7.2 10.8#
130 2.4 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.40 min Scan# 1328
Delta R.T. -0.04 min
Lab File: BF095798.D
Acq: 8 Jun 2017 23:10

Tgt Ion:136 Resp: 291010
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 7.1 4.9 7.3
68 5.6 4.1 6.1

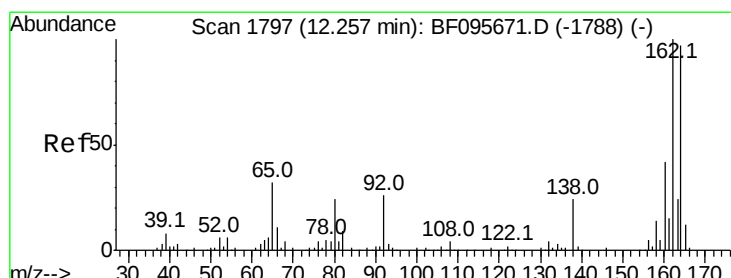
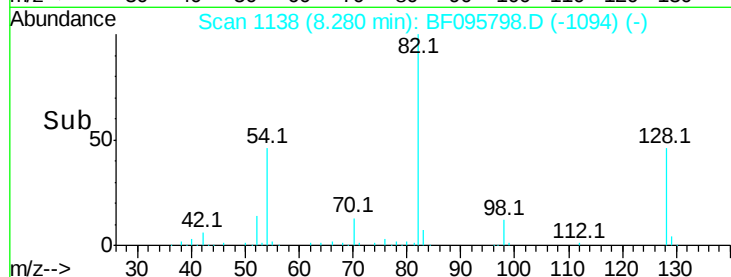
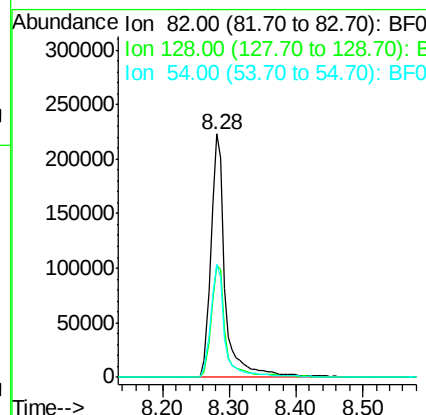
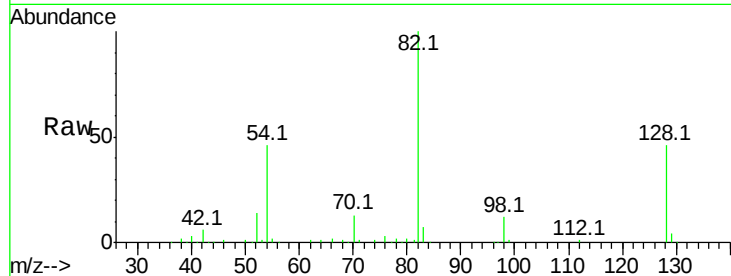




#23
 Nitrobenzene-d5
 Concen: 71.23 ng
 RT: 8.28 min Scan# 1138
 Delta R.T. -0.04 min
 Lab File: BF095798.D
 Acq: 8 Jun 2017 23:10

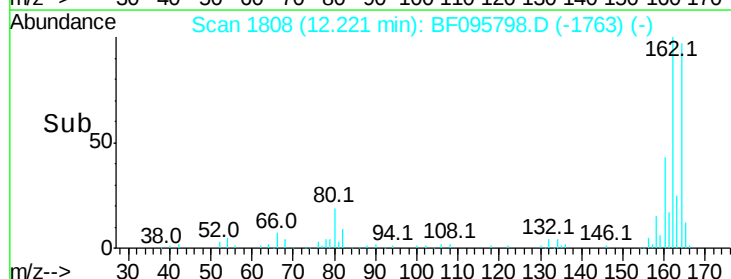
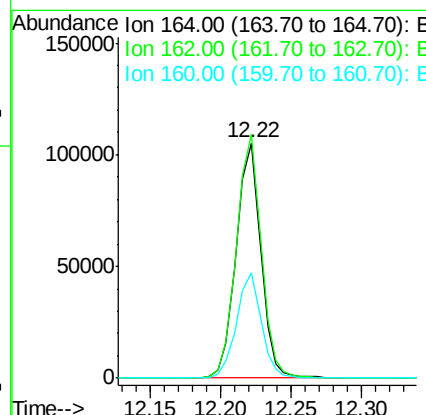
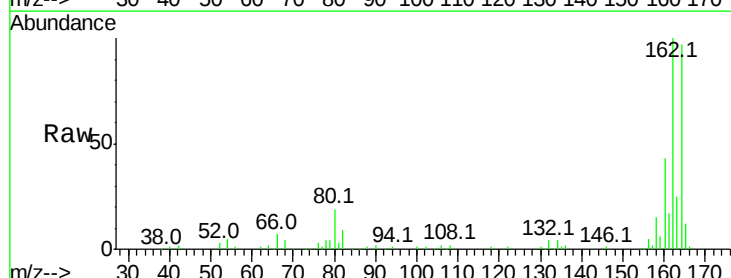
Instrument :
 BNA_F
 ClientSampled :

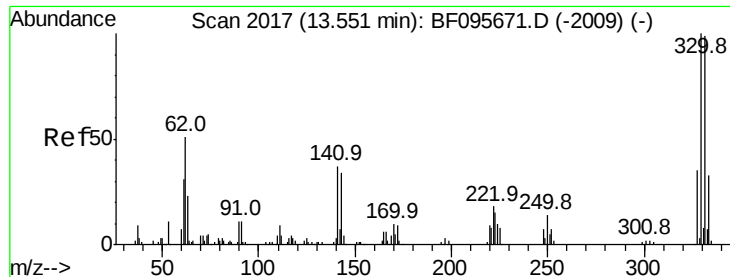
Tot Ion: 82 Resp: 333762
 Ion Ratio Lower Upper
 82 100
 128 45.9 34.0 51.0
 54 46.5 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.22 min Scan# 1808
 Delta R.T. -0.04 min
 Lab File: BF095798.D
 Acq: 8 Jun 2017 23:10

Tgt Ion:164 Resp: 128865
 Ion Ratio Lower Upper
 164 100
 162 103.5 82.6 123.8
 160 44.8 36.2 54.2

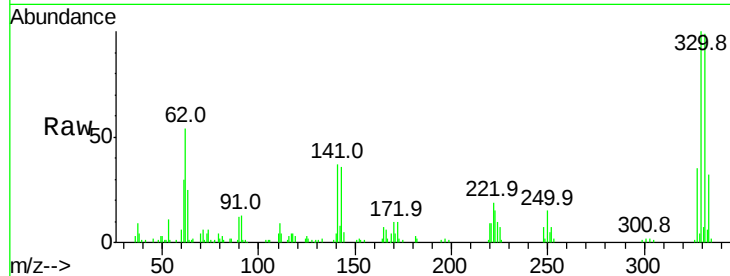




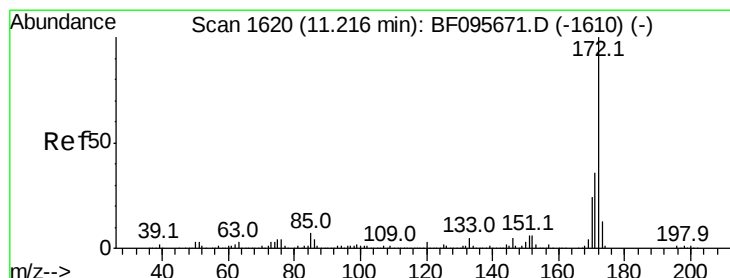
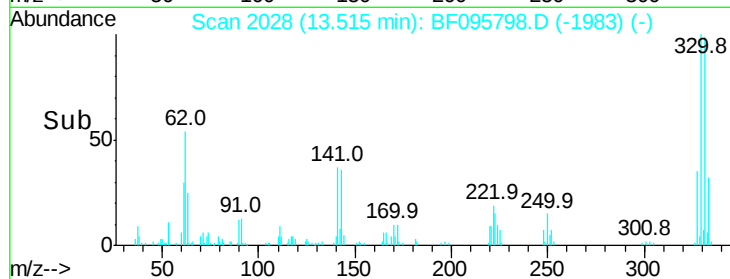
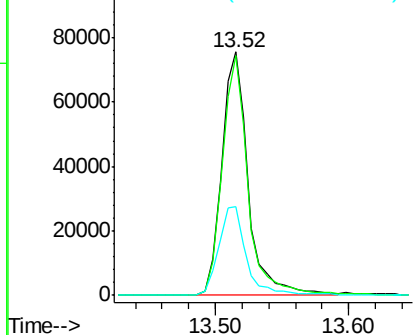
#41
 2,4,6-Tribromophenol
 Concen: 91.93 ng
 RT: 13.52 min Scan# 2028
 Delta R.T. -0.04 min
 Lab File: BF095798.D
 Acq: 8 Jun 2017 23:10

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 104814
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.6 115.0
 141 38.4 31.4 47.2

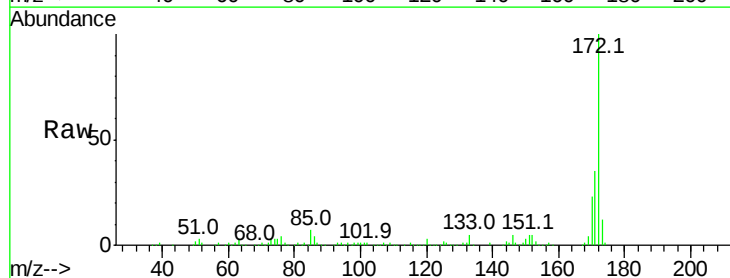


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

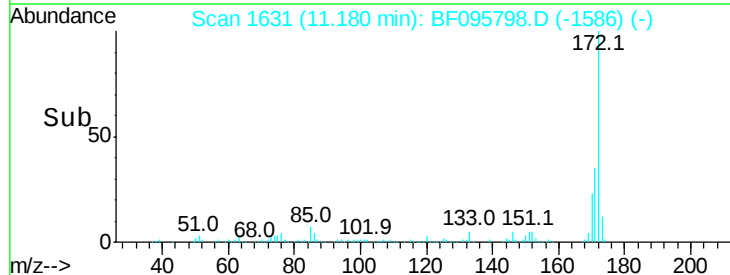
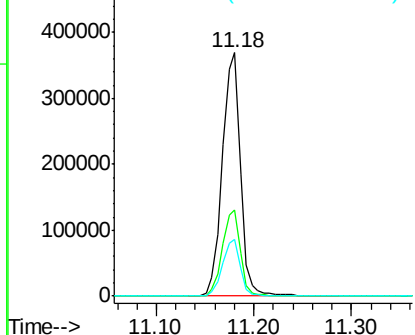


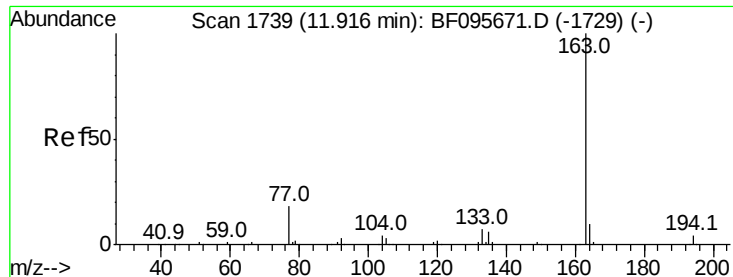
#44
 2-Fluorobiphenyl
 Concen: 51.37 ng
 RT: 11.18 min Scan# 1631
 Delta R.T. -0.04 min
 Lab File: BF095798.D
 Acq: 8 Jun 2017 23:10

Tgt Ion:172 Resp: 475686
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.6 44.4
 170 23.4 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 15.25 ng

RT: 11.87 min Scan# 1749

Delta R.T. -0.04 min

Lab File: BF095798.D

Acq: 8 Jun 2017 23:10

Instrument :

BNA_F

ClientSampleId :

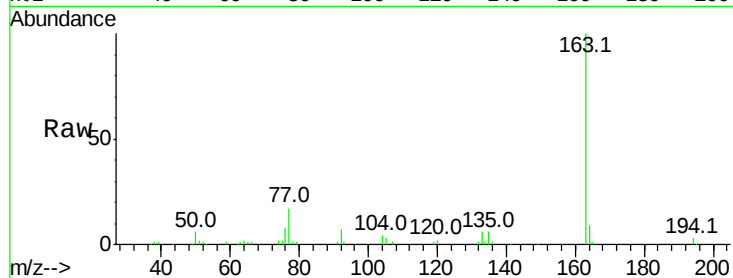
Tot Ion:163 Resp: 149175

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

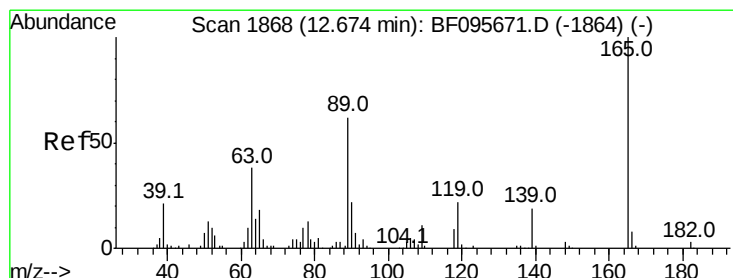
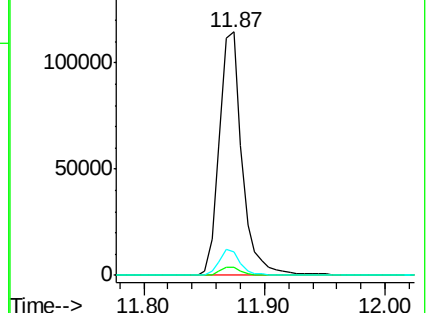
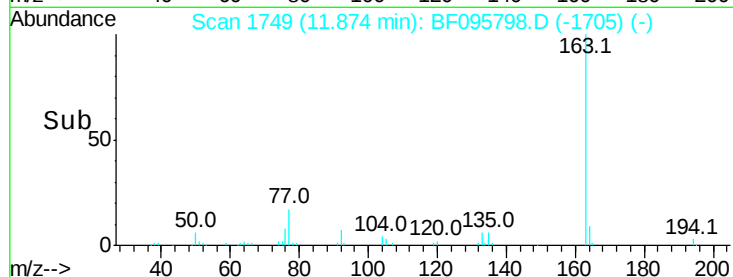
164 9.5 8.4 12.6



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: 6.40 ng

RT: 12.57 min Scan# 1868

Delta R.T. -0.10 min

Lab File: BF095798.D

Acq: 8 Jun 2017 23:10

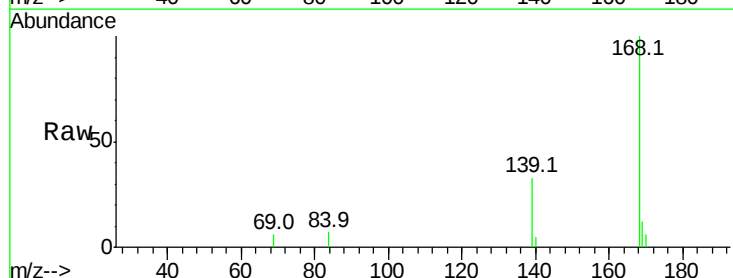
Tgt Ion:139 Resp: 2735

Ion Ratio Lower Upper

139 100

109 0.0 34.1 74.1#

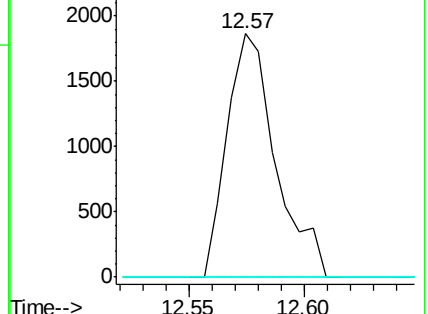
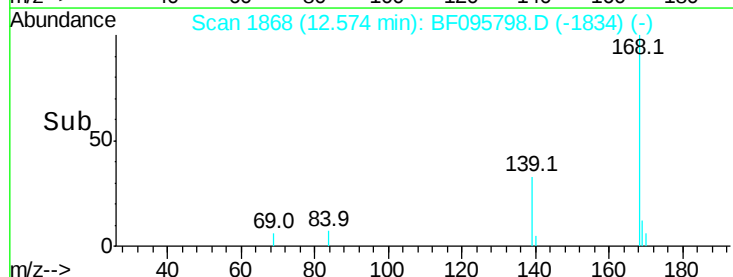
65 0.0 31.4 71.4#

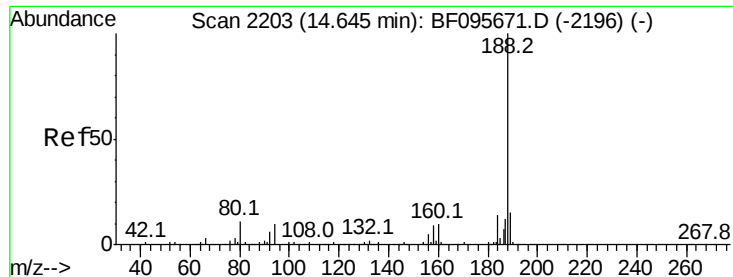


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

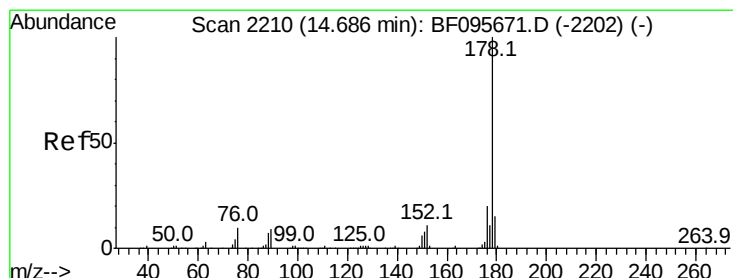
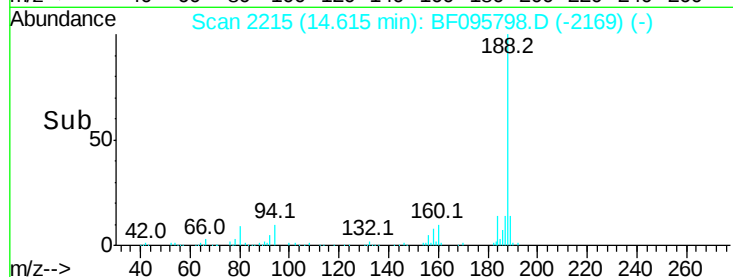
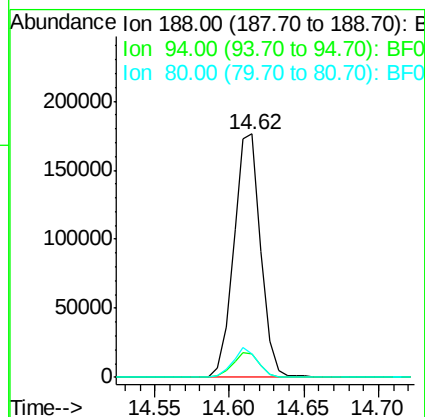
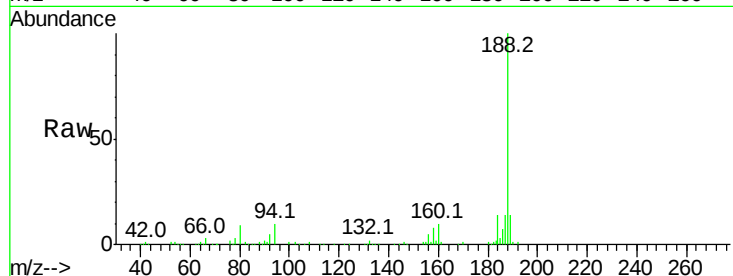




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.62 min Scan# 2215
Delta R.T. -0.03 min
Lab File: BF095798.D
Acq: 8 Jun 2017 23:10

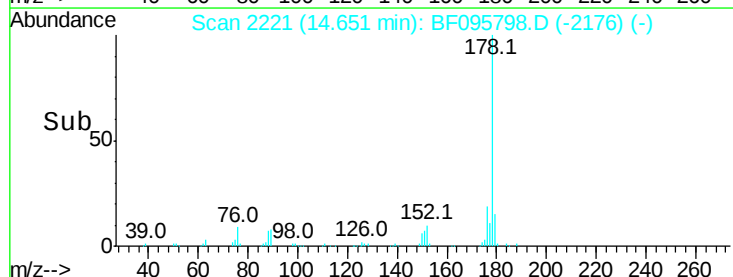
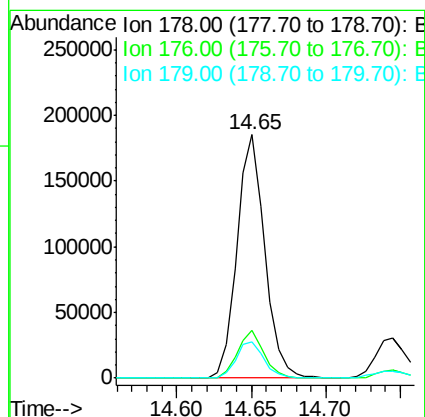
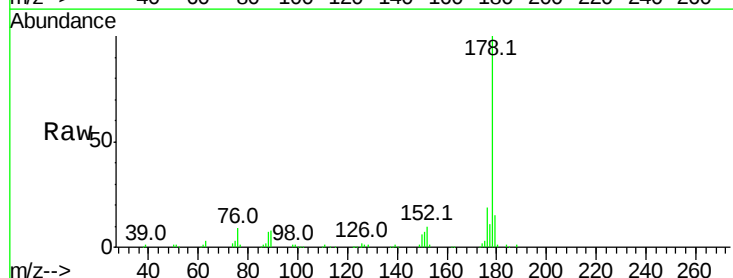
Instrument :
BNA_F
ClientSampleId :

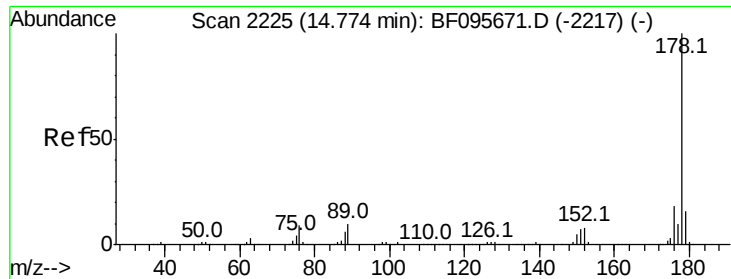
Tot Ion:188 Resp: 220979
Ion Ratio Lower Upper
188 100
94 9.9 9.4 14.2
80 9.5 10.2 15.2#



#70
Phenanthrene
Concen: 18.84 ng
RT: 14.65 min Scan# 2221
Delta R.T. -0.04 min
Lab File: BF095798.D
Acq: 8 Jun 2017 23:10

Tgt Ion:178 Resp: 240171
Ion Ratio Lower Upper
178 100
176 19.4 16.2 24.4
179 15.1 12.6 19.0

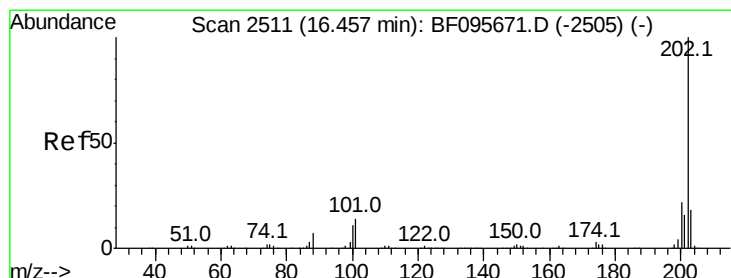
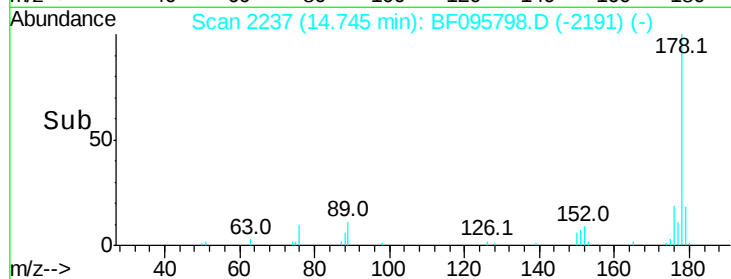
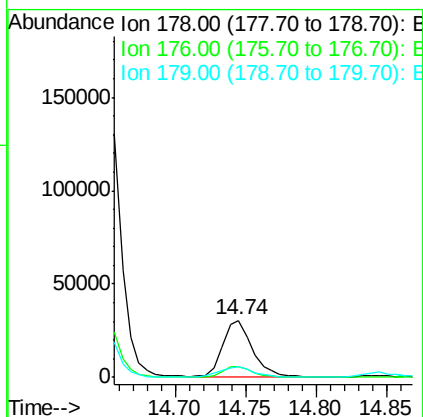
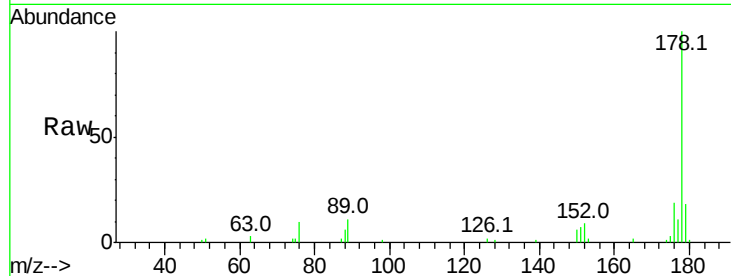




#71
 Anthracene
 Concen: 3.47 ng
 RT: 14.74 min Scan# 2237
 Delta R.T. -0.03 min
 Lab File: BF095798.D
 Acq: 8 Jun 2017 23:10

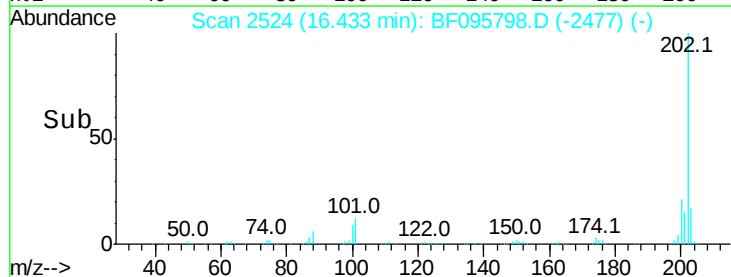
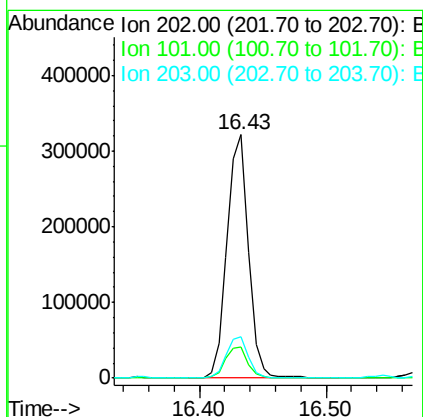
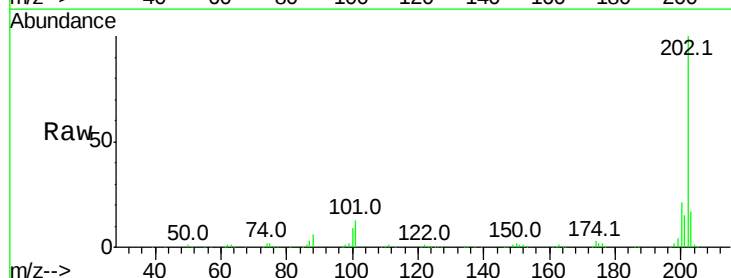
Instrument :
 BNA_F
 ClientSampleId :

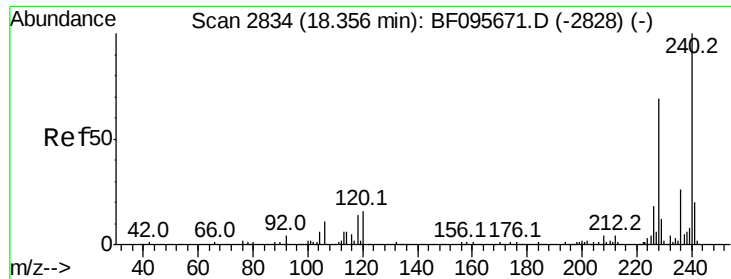
Tot Ion:178 Resp: 46166
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.8 23.8
 179 18.5 12.7 19.1



#74
 Fluoranthene
 Concen: 29.79 ng
 RT: 16.43 min Scan# 2524
 Delta R.T. -0.02 min
 Lab File: BF095798.D
 Acq: 8 Jun 2017 23:10

Tgt Ion:202 Resp: 375974
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 33.2
 203 17.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.33 min Scan# 2846

Delta R.T. -0.03 min

Lab File: BF095798.D

Acq: 8 Jun 2017 23:10

Instrument :

BNA_F

ClientSampleId :

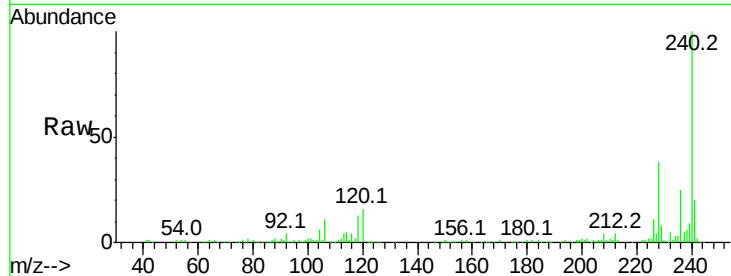
Tot Ion:240 Resp: 146448

Ion Ratio Lower Upper

240 100

120 15.9 5.8 8.8#

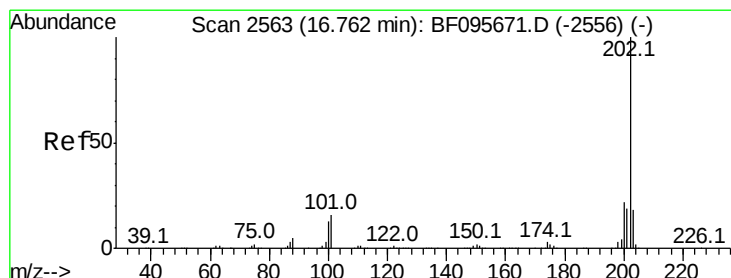
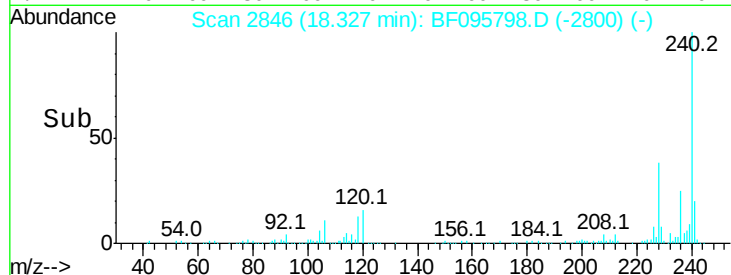
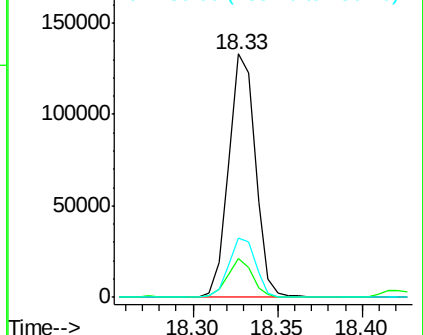
236 24.5 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 29.72 ng

RT: 16.73 min Scan# 2575

Delta R.T. -0.03 min

Lab File: BF095798.D

Acq: 8 Jun 2017 23:10

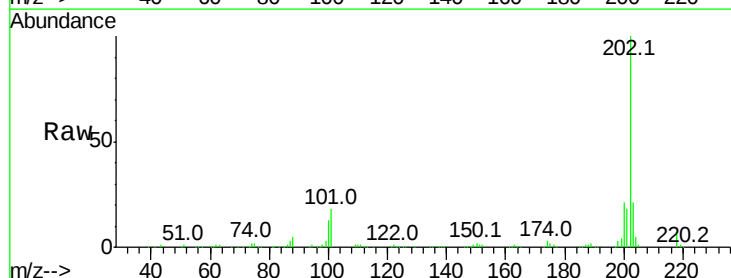
Tgt Ion:202 Resp: 324746

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

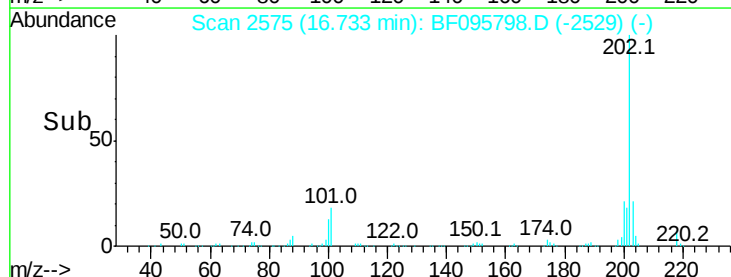
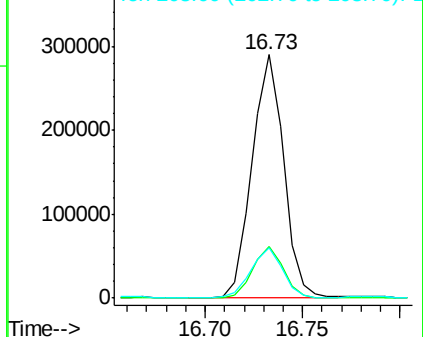
203 20.6 14.4 21.6

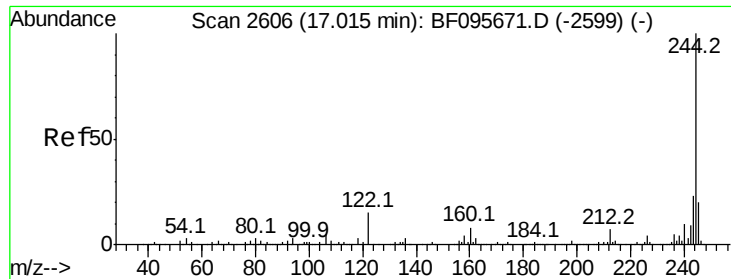


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

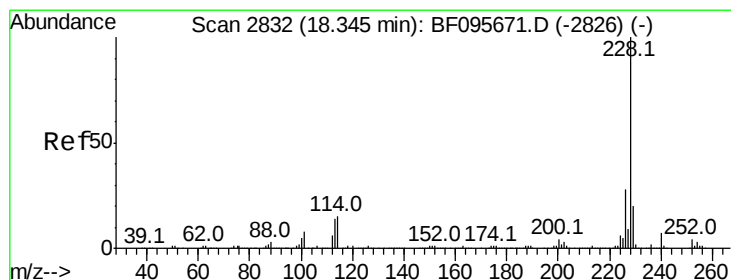
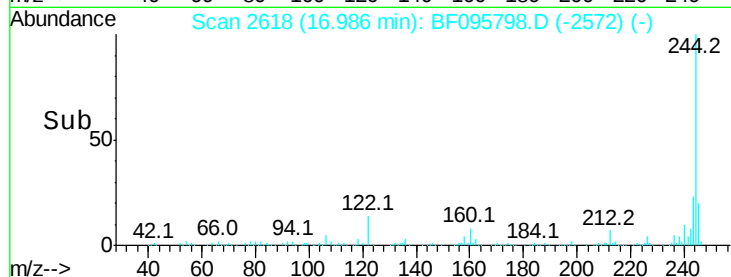
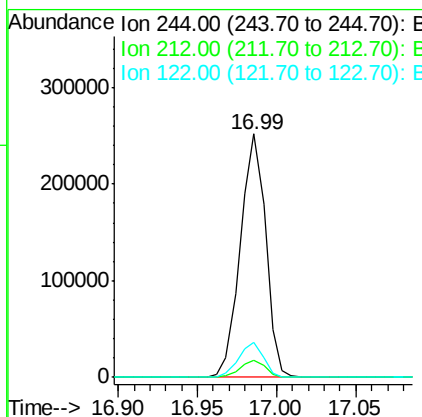
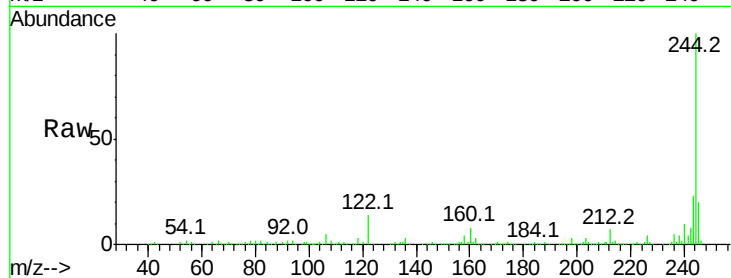




#78
 Terphenyl-d14
 Concen: 47.29 ng
 RT: 16.99 min Scan# 2618
 Delta R.T. -0.03 min
 Lab File: BF095798.D
 Acq: 8 Jun 2017 23:10

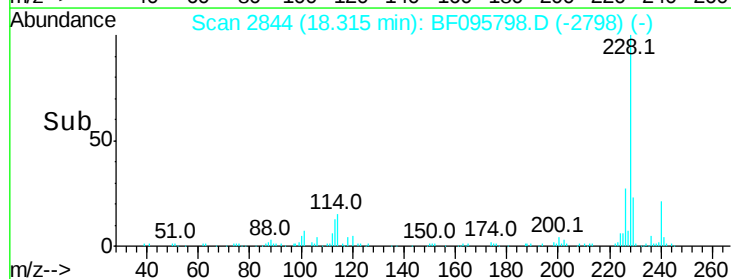
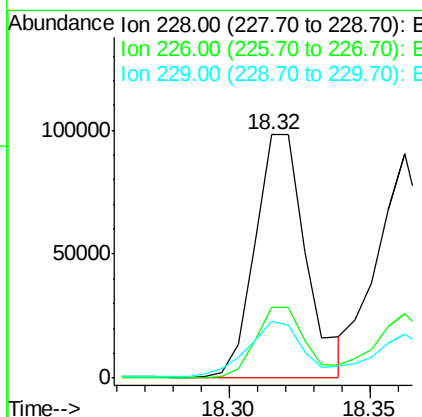
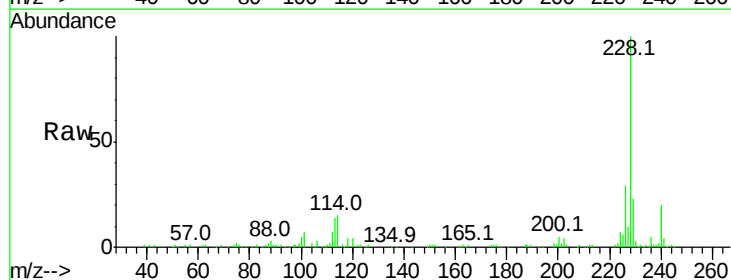
Instrument :
 BNA_F
 ClientSampleId :

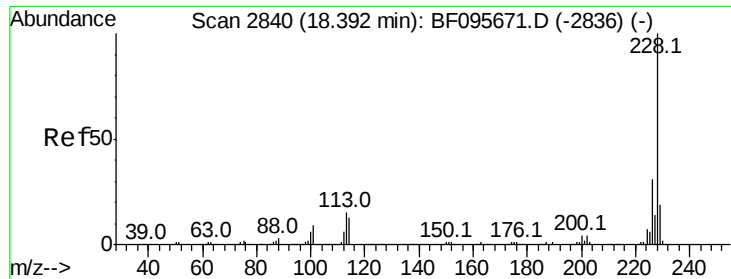
Tot Ion:244 Resp: 279061
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 14.1 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 14.52 ng
 RT: 18.32 min Scan# 2844
 Delta R.T. -0.03 min
 Lab File: BF095798.D
 Acq: 8 Jun 2017 23:10

Tgt Ion:228 Resp: 123670
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.6 33.8
 229 23.1 16.3 24.5





#82

Chrysene

Concen: 13.57 ng

RT: 18.36 min Scan# 2852

Delta R.T. -0.03 min

Lab File: BF095798.D

Acq: 8 Jun 2017 23:10

Instrument :

BNA_F

ClientSampled :

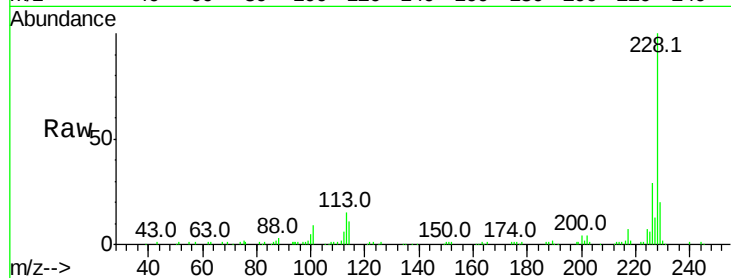
Tot Ion:228 Resp: 115461

Ion Ratio Lower Upper

228 100

226 29.0 24.9 37.3

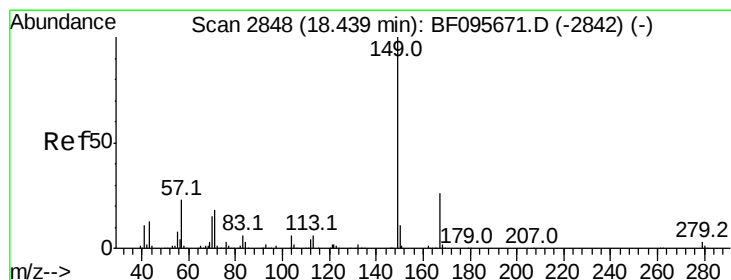
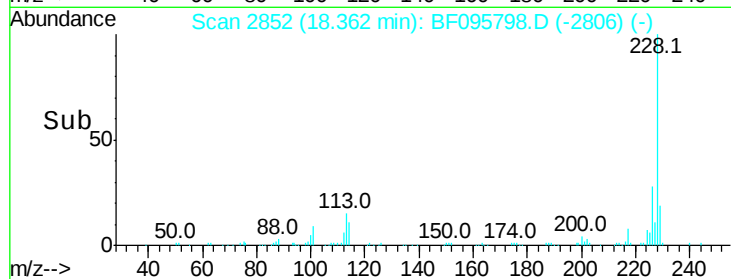
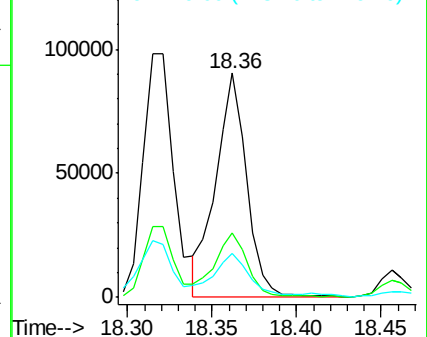
229 19.9 15.8 23.6



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.35 ng

RT: 18.41 min Scan# 2860

Delta R.T. -0.03 min

Lab File: BF095798.D

Acq: 8 Jun 2017 23:10

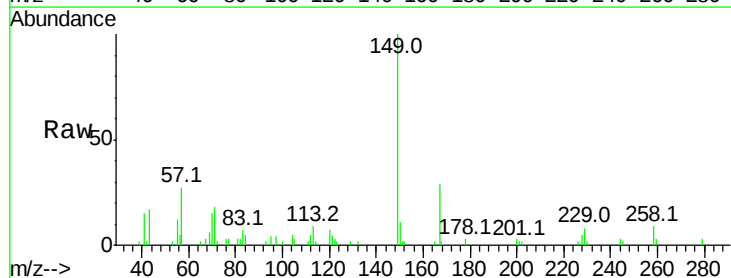
Tgt Ion:149 Resp: 22584

Ion Ratio Lower Upper

149 100

167 28.6 21.0 31.4

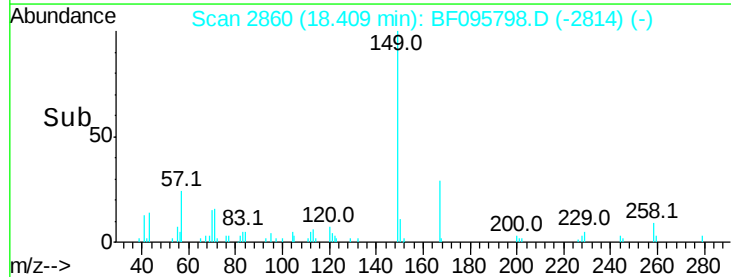
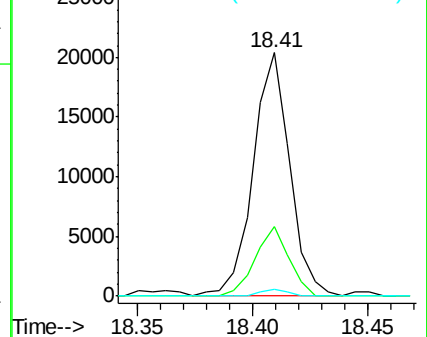
279 2.9 1.9 2.9

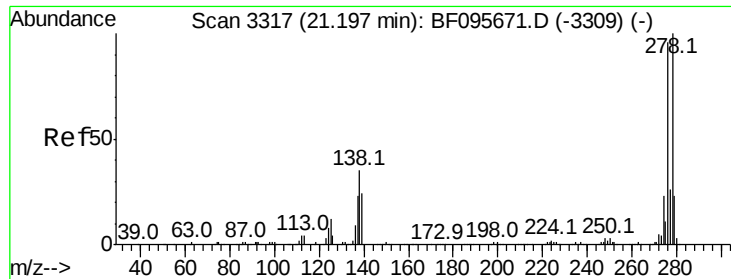


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

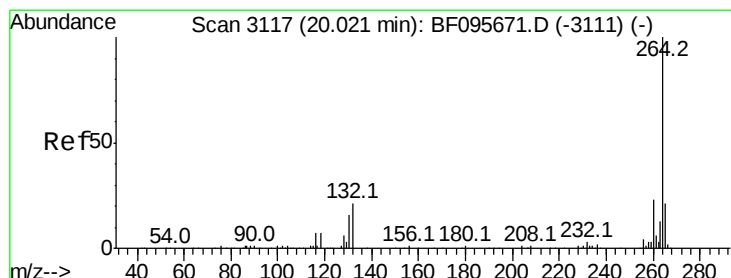
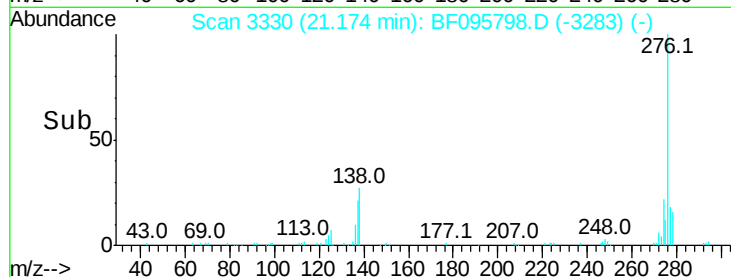
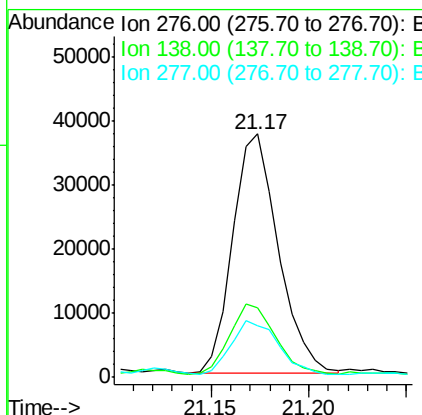
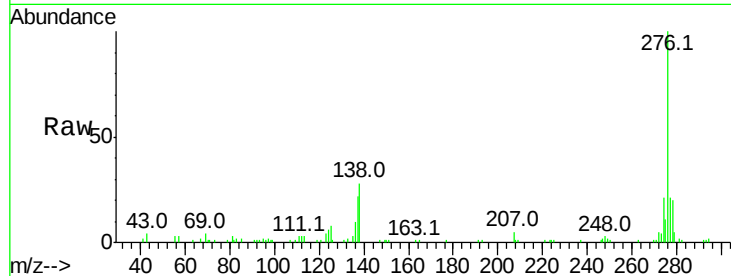




#85
Indeno(1,2,3-cd)pyrene
Concen: 8.34 ng
RT: 21.17 min Scan# 3330
Delta R.T. -0.02 min
Lab File: BF095798.D
Acq: 8 Jun 2017 23:10

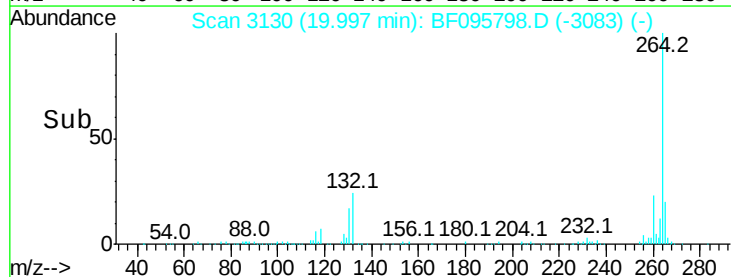
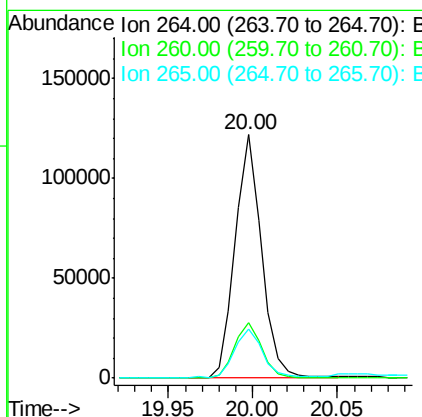
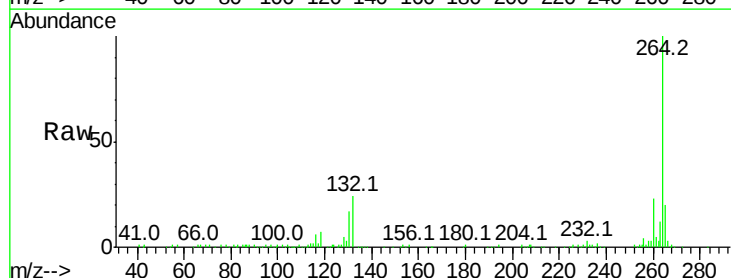
Instrument :
BNA_F
ClientSampleId :

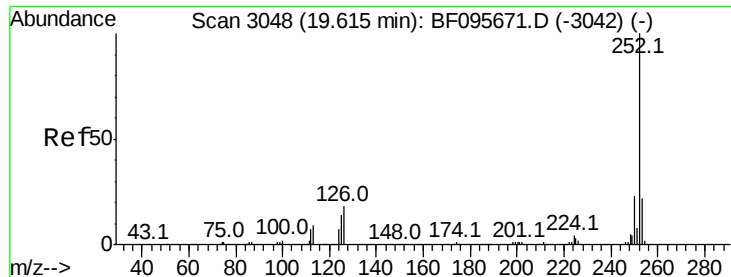
Tot Ion:276 Resp: 60723
Ion Ratio Lower Upper
276 100
138 29.7 27.8 41.6
277 24.6 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.00 min Scan# 3130
Delta R.T. -0.02 min
Lab File: BF095798.D
Acq: 8 Jun 2017 23:10

Tgt Ion:264 Resp: 132839
Ion Ratio Lower Upper
264 100
260 22.8 19.5 29.3
265 20.0 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 22.38 ng

RT: 19.60 min Scan# 3062

Delta R.T. -0.02 min

Lab File: BF095798.D

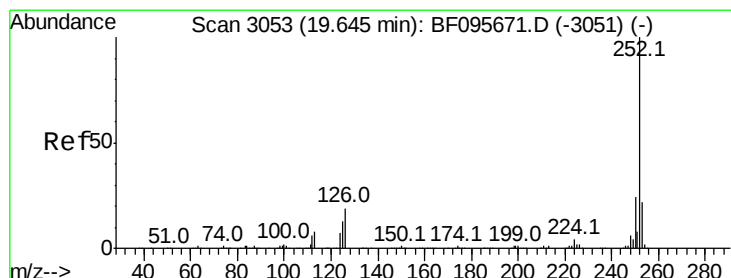
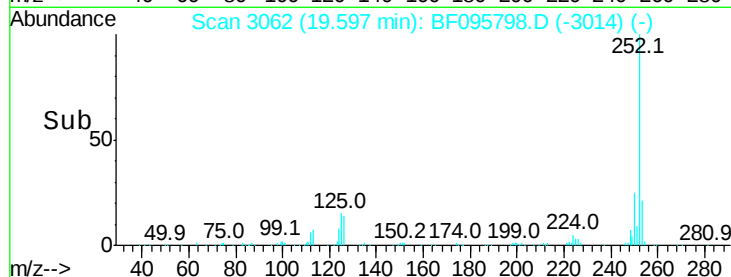
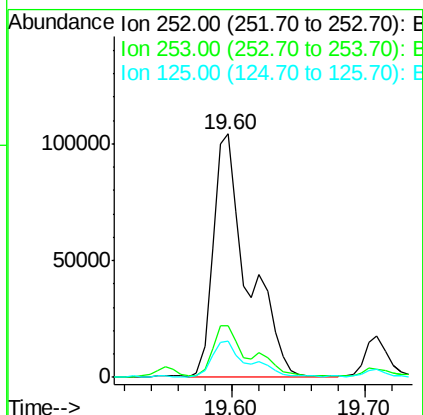
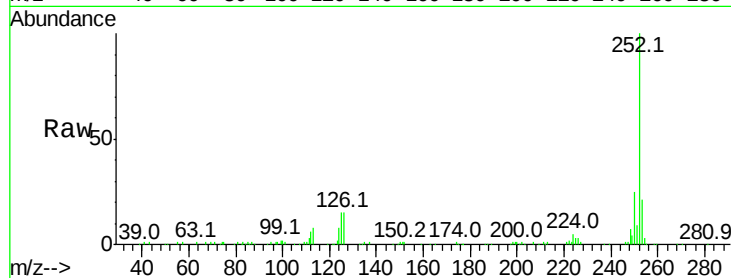
Acq: 8 Jun 2017 23:10

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	186132
Ion Ratio	Lower	Upper	
252	100		
253	21.3	18.1	27.1
125	15.1	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 23.41 ng

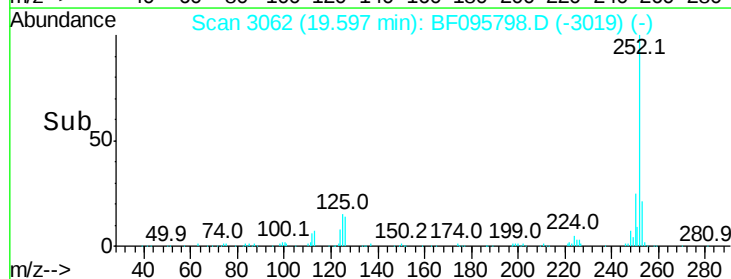
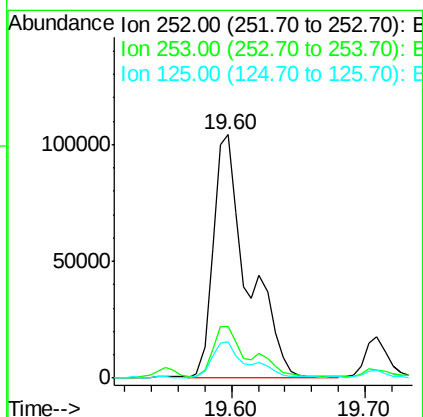
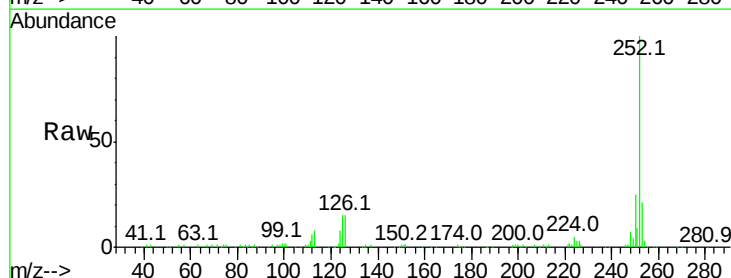
RT: 19.60 min Scan# 3062

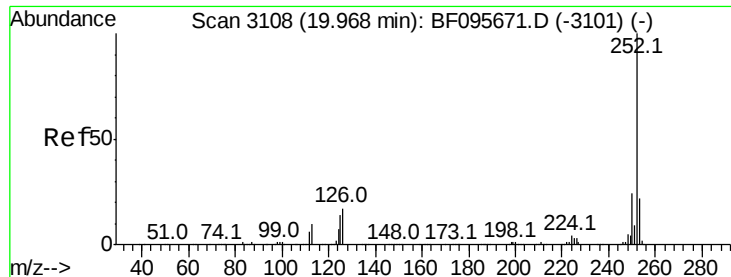
Delta R.T. -0.05 min

Lab File: BF095798.D

Acq: 8 Jun 2017 23:10

Tgt Ion:	252	Resp:	186132
Ion Ratio	Lower	Upper	
252	100		
253	21.3	18.4	27.6
125	15.1	13.1	19.7

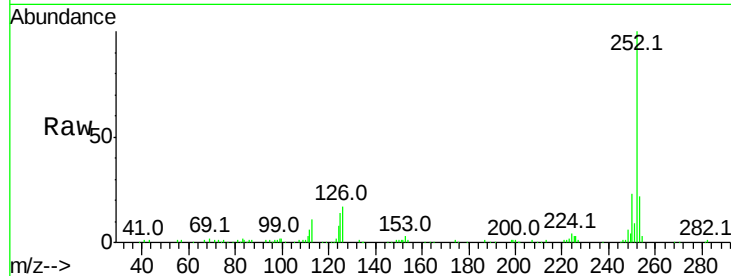




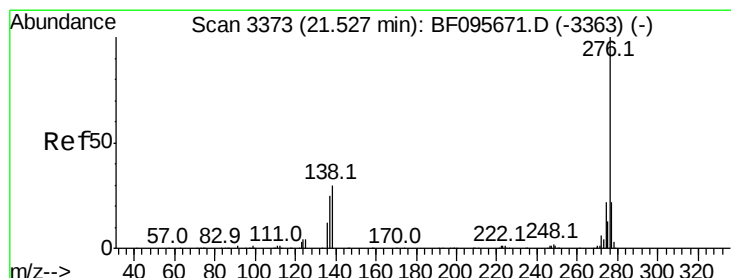
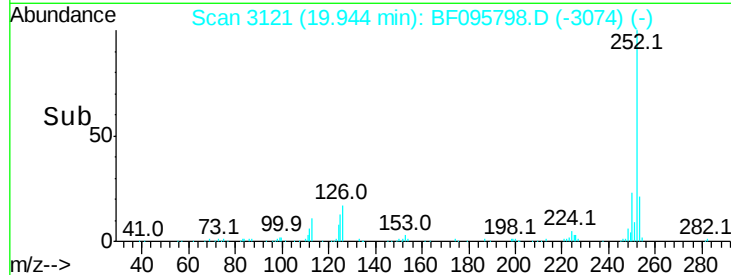
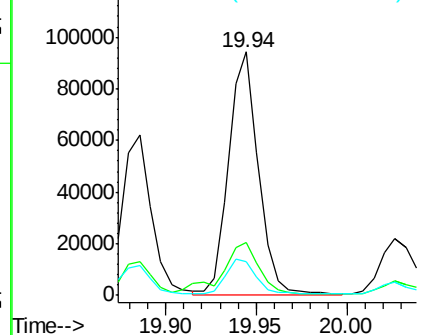
#89
Benzo(a)pyrene
Concen: 14.23 ng
RT: 19.94 min Scan# 3121
Delta R.T. -0.02 min
Lab File: BF095798.D
Acq: 8 Jun 2017 23:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	13.7	11.0	16.4

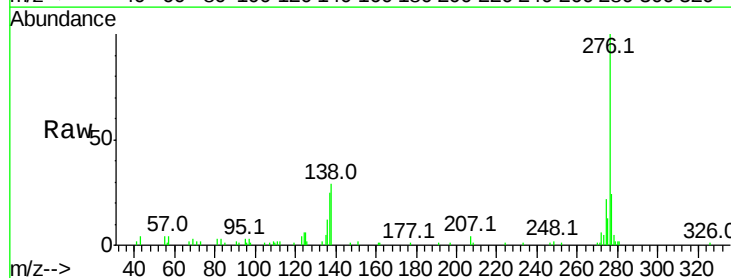


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 9.33 ng
RT: 21.50 min Scan# 3386
Delta R.T. -0.02 min
Lab File: BF095798.D
Acq: 8 Jun 2017 23:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.6	28.0
138	28.6	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

