

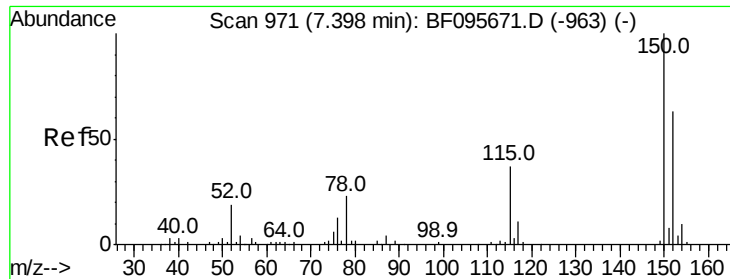
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060817\
 Data File : BF095795.D
 Acq On : 8 Jun 2017 21:34
 Operator : SJ/MA
 Sample : I3457-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 09 01:25:57 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	73973	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	299788	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	129215	20.00	ng	-0.04
63) Phenanthrene-d10	14.62	188	220720	20.00	ng	-0.03
75) Chrysene-d12	18.33	240	149730	20.00	ng	-0.02
86) Perylene-d12	20.00	264	132204	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	518335	111.65	ng	-0.03
7) Phenol-d6	6.93	99	618747	111.33	ng	-0.03
23) Nitrobenzene-d5	8.29	82	358863	74.34	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	120257	105.19	ng	-0.04
44) 2-Fluorobiphenyl	11.18	172	590166	63.56	ng	-0.04
78) Terphenyl-d14	16.99	244	377927	62.64	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.29	70	45520	12.92	ng	# 69
49) Dimethylphthalate	11.87	163	98103	10.00	ng	99
55) 4-Nitrophenol	12.59	139	1625	5.68	ng	# 25
70) Phenanthrene	14.65	178	137908	10.83	ng	98
71) Anthracene	14.65	178	137908	10.37	ng	99
74) Fluoranthene	16.43	202	225217	17.87	ng	98
77) Pyrene	16.73	202	195021	17.46	ng	97
80) Benzo(a)anthracene	18.32	228	78846	9.06	ng	97
82) Chrysene	18.36	228	82343	9.47	ng	98
83) Bis(2-ethylhexyl)phthalate	18.41	149	56773	8.25	ng	98
85) Indeno(1,2,3-cd)pyrene	21.18	276	39453	5.30	ng	# 92
87) Benzo(b)fluoranthene	19.60	252	126326	15.26	ng	# 96
88) Benzo(k)fluoranthene	19.60	252	126326	15.97	ng	99
89) Benzo(a)pyrene	19.94	252	64550	8.48	ng	# 96
91) Benzo(a,h,i)perylene	21.51	276	37870	5.76	ng	97

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

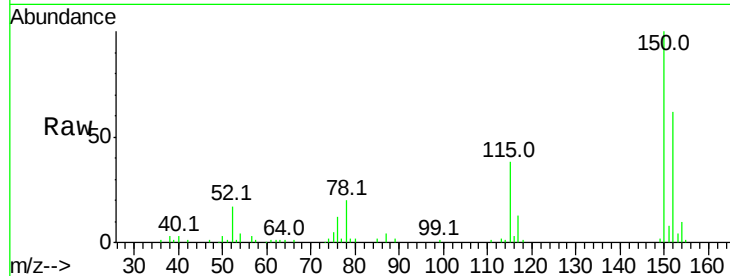


#1

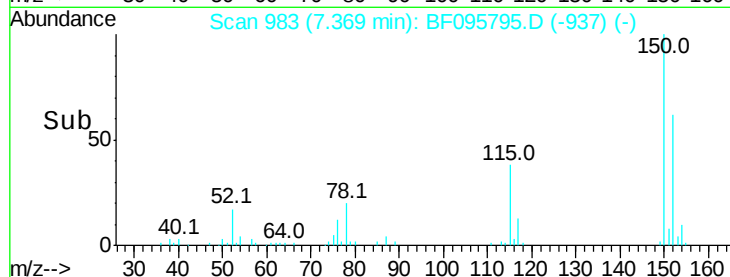
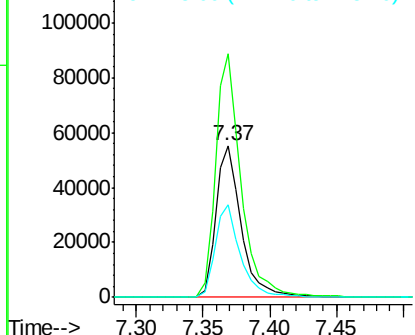
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 983
Delta R.T. -0.03 min
Lab File: BF095795.D
Acq: 8 Jun 2017 21:34

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 73973
Ion Ratio Lower Upper
152 100
150 160.5 126.2 189.2
115 60.8 52.2 78.2



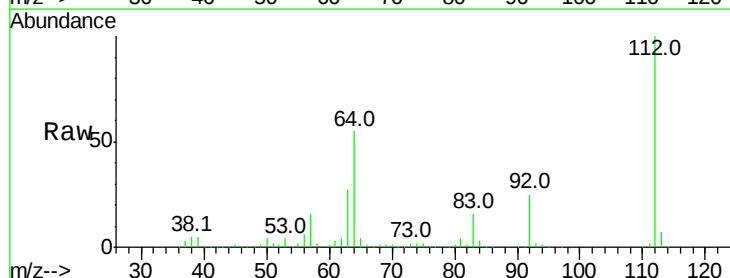
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



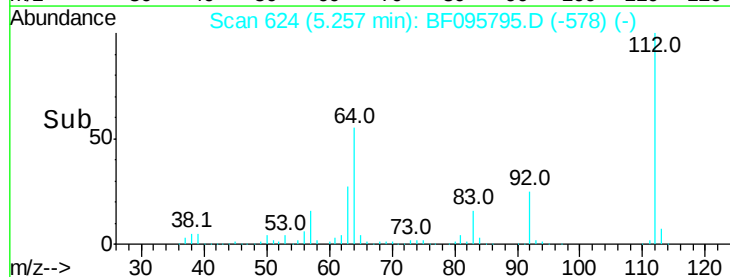
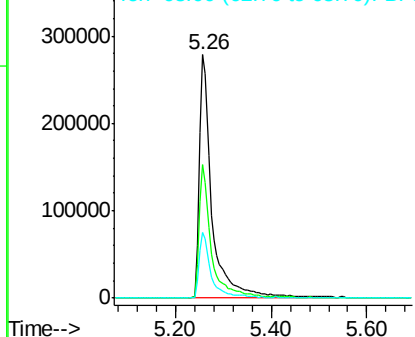
#5

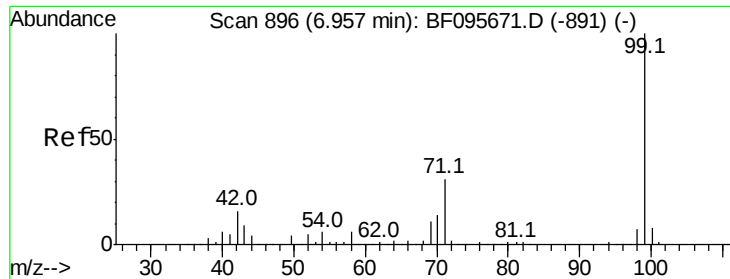
2-Fluorophenol
Concen: 111.65 ng
RT: 5.26 min Scan# 624
Delta R.T. -0.03 min
Lab File: BF095795.D
Acq: 8 Jun 2017 21:34

Tgt Ion:112 Resp: 518335
Ion Ratio Lower Upper
112 100
64 54.9 46.0 69.0
63 27.2 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: 111.33 ng

RT: 6.93 min Scan# 908

Delta R.T. -0.03 min

Lab File: BF095795.D

Acq: 8 Jun 2017 21:34

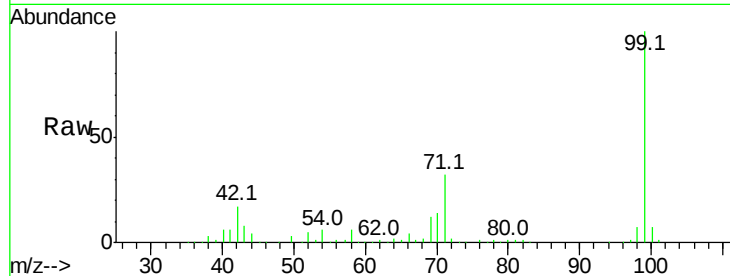
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 618747

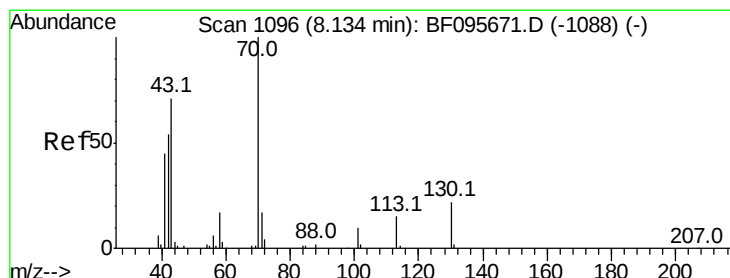
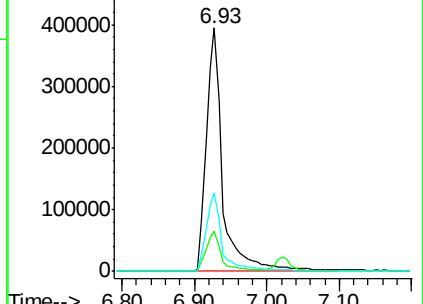
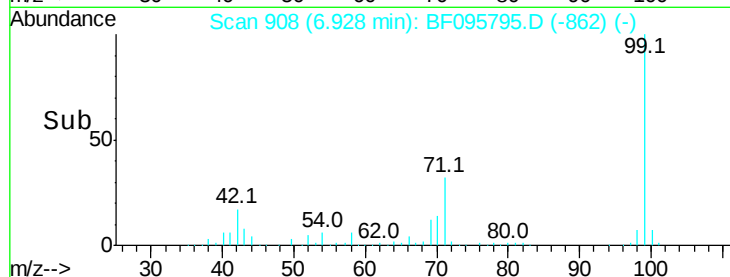
Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.5	20.3
71	32.0	24.5	36.7



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: 12.92 ng

RT: 8.29 min Scan# 1139

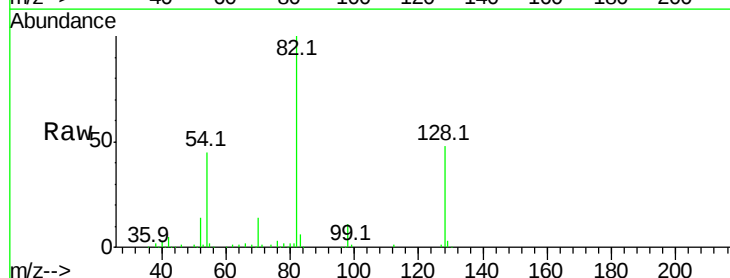
Delta R.T. 0.15 min

Lab File: BF095795.D

Acq: 8 Jun 2017 21:34

Tgt Ion: 70 Resp: 45520

Ion	Ratio	Lower	Upper
70	100		
42	37.1	47.2	70.8#
101	0.0	7.2	10.8#
130	1.9	15.9	23.9#

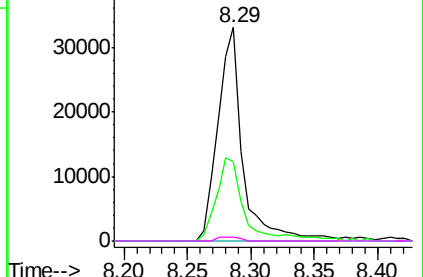
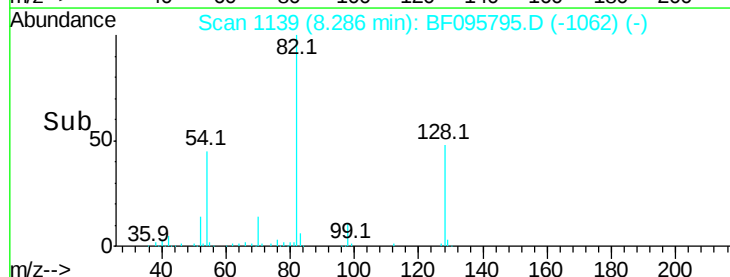


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.40 min Scan# 1328

Delta R.T. -0.04 min

Lab File: BF095795.D

Acq: 8 Jun 2017 21:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 299788

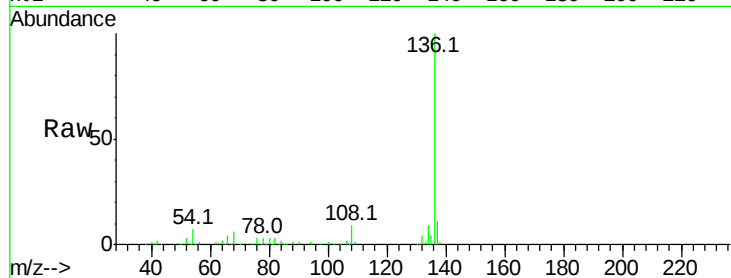
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.0 4.9 7.3

68 6.1 4.1 6.1

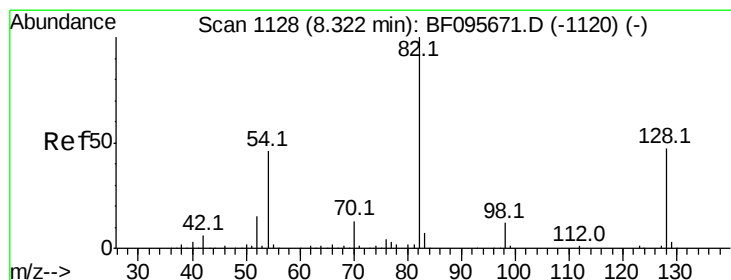
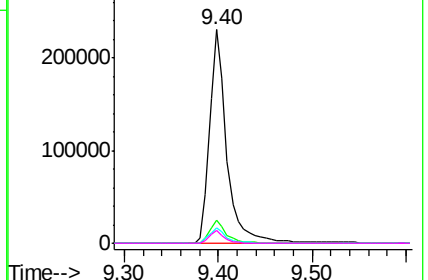
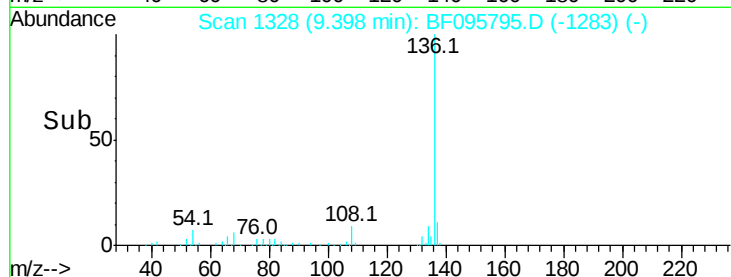


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.34 ng

RT: 8.29 min Scan# 1139

Delta R.T. -0.04 min

Lab File: BF095795.D

Acq: 8 Jun 2017 21:34

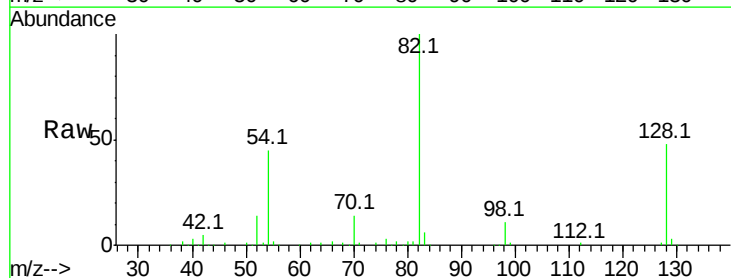
Tgt Ion: 82 Resp: 358863

Ion Ratio Lower Upper

82 100

128 47.6 34.0 51.0

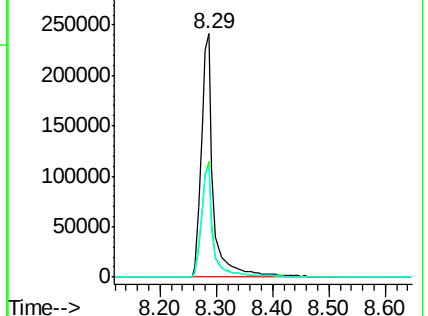
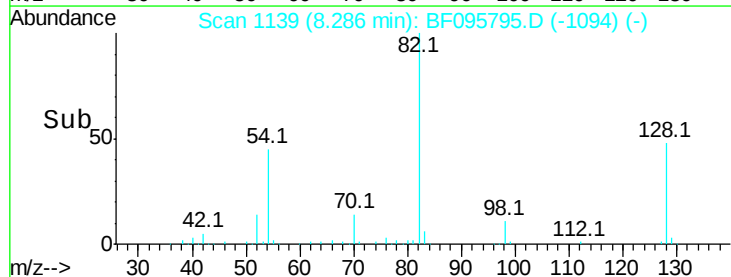
54 44.8 42.2 63.2



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: BF095795.D

Acq: 8 Jun 2017 21:34

Instrument :

BNA_F

ClientSampleId :

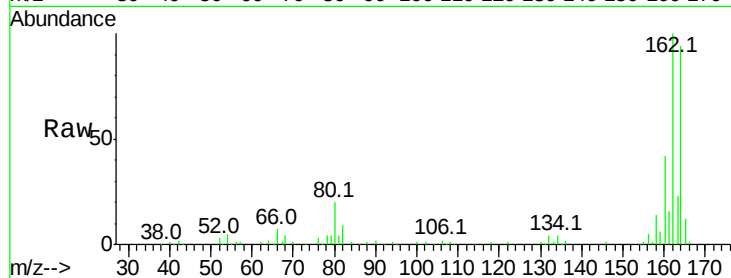
Tot Ion:164 Resp: 129215

Ion Ratio Lower Upper

164 100

162 105.9 82.6 123.8

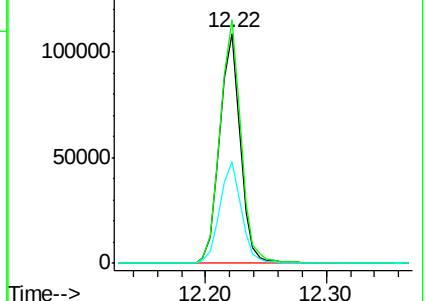
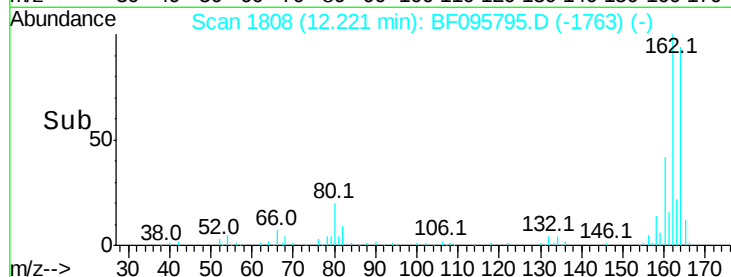
160 44.3 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 105.19 ng

RT: 13.52 min Scan# 2028

Delta R.T. -0.04 min

Lab File: BF095795.D

Acq: 8 Jun 2017 21:34

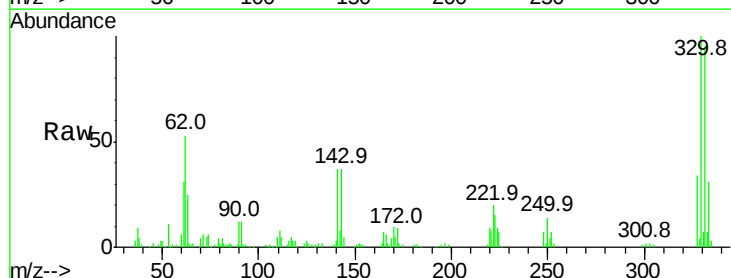
Tgt Ion:330 Resp: 120257

Ion Ratio Lower Upper

330 100

332 96.2 76.6 115.0

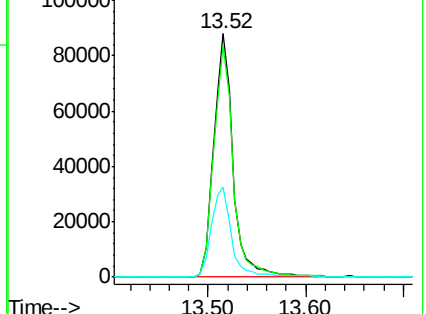
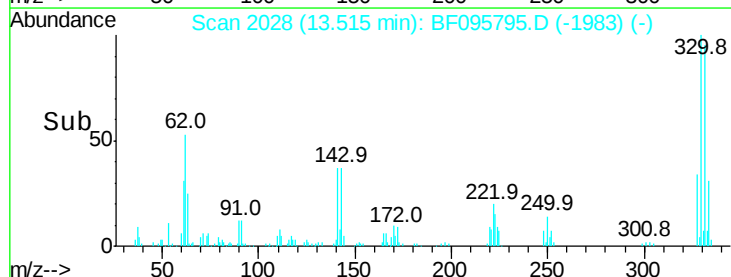
141 38.9 31.4 47.2

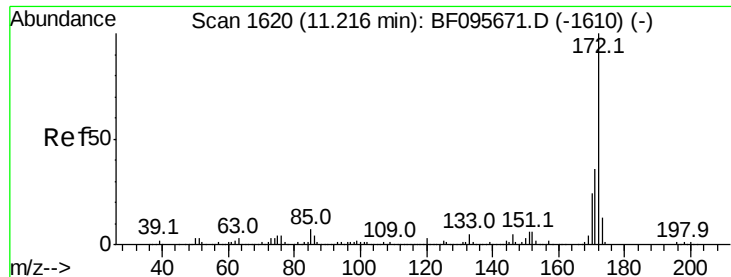


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

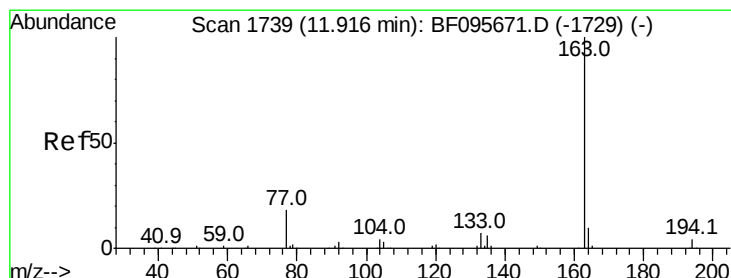
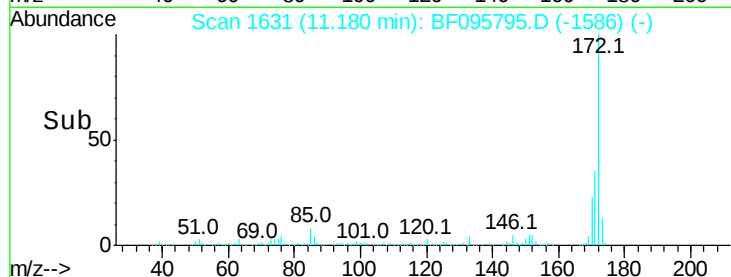
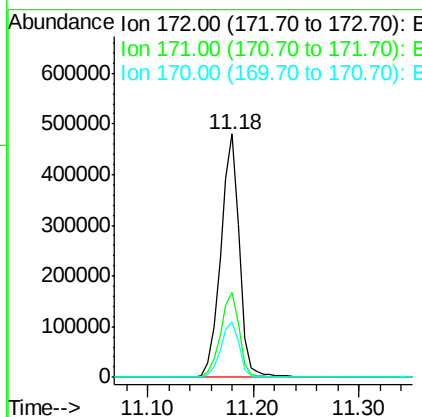
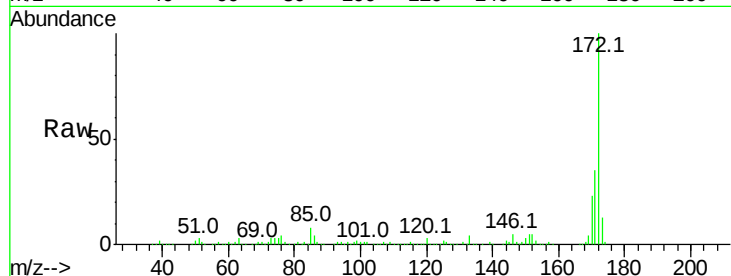




#44
2-Fluorobiphenyl
Concen: 63.56 ng
RT: 11.18 min Scan# 1631
Delta R.T. -0.04 min
Lab File: BF095795.D
Acq: 8 Jun 2017 21:34

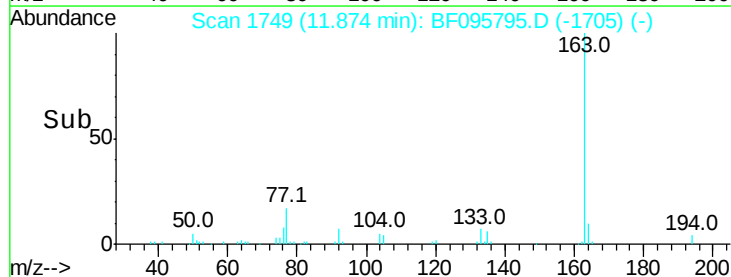
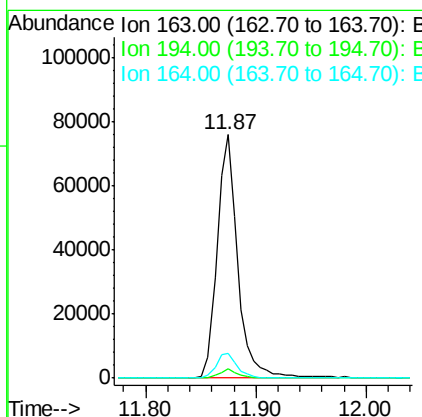
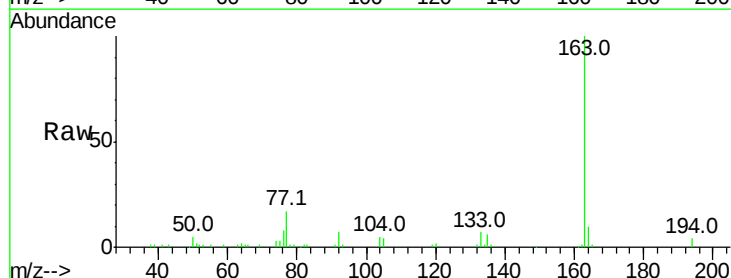
Instrument :
BNA_F
ClientSampleId :

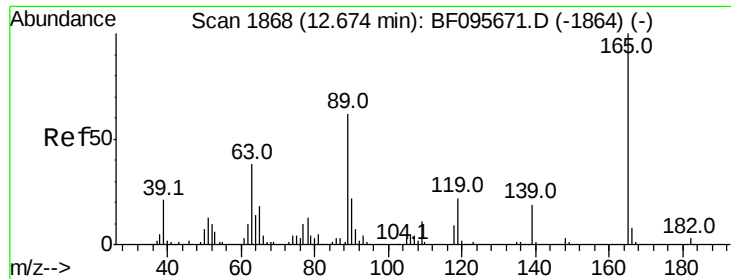
Tot Ion:172 Resp: 590166
Ion Ratio Lower Upper
172 100
171 35.1 29.6 44.4
170 23.0 19.8 29.8



#49
Dimethylphthalate
Concen: 10.00 ng
RT: 11.87 min Scan# 1749
Delta R.T. -0.04 min
Lab File: BF095795.D
Acq: 8 Jun 2017 21:34

Tgt Ion:163 Resp: 98103
Ion Ratio Lower Upper
163 100
194 3.7 2.6 4.0
164 10.2 8.4 12.6

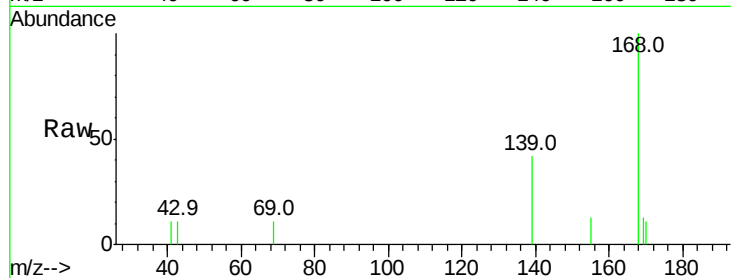




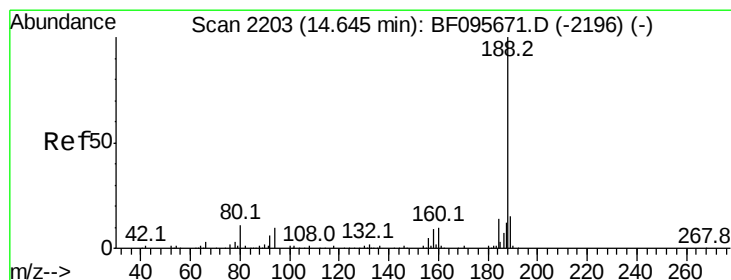
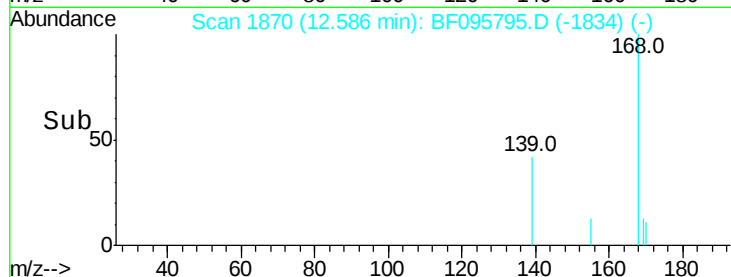
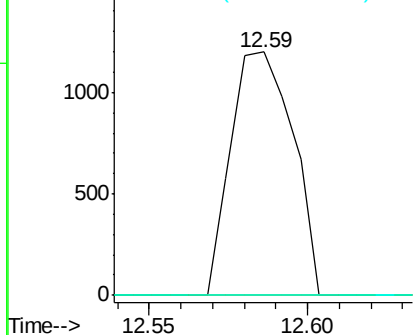
#55
4-Nitrophenol
Concen: 5.68 ng
RT: 12.59 min Scan# 1870
Delta R.T. -0.09 min
Lab File: BF095795.D
Acq: 8 Jun 2017 21:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 1625
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

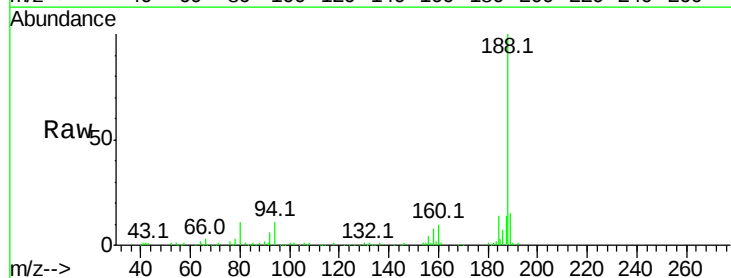


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

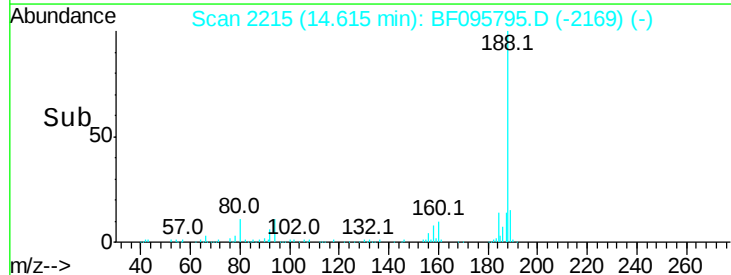
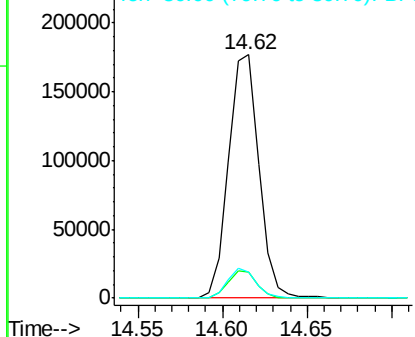


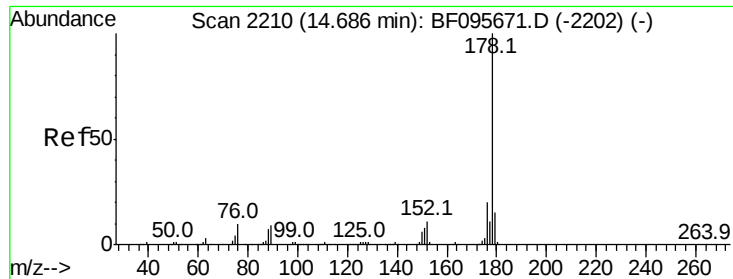
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.62 min Scan# 2215
Delta R.T. -0.03 min
Lab File: BF095795.D
Acq: 8 Jun 2017 21:34

Tgt Ion:188 Resp: 220720
Ion Ratio Lower Upper
188 100
94 10.6 9.4 14.2
80 10.6 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

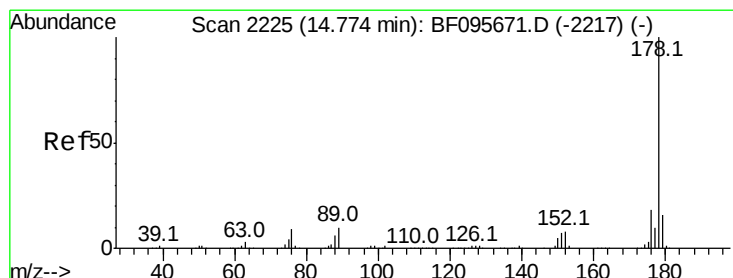
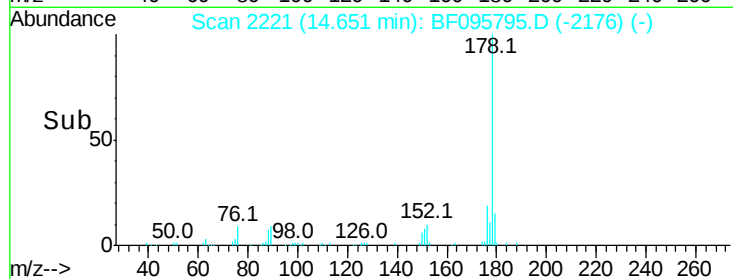
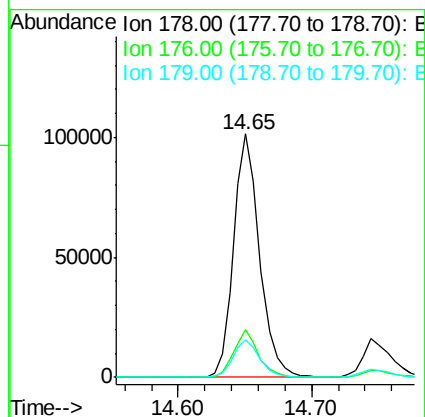
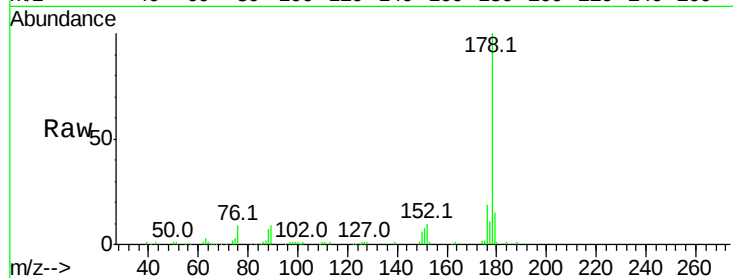




#70
Phenanthrene
Concen: 10.83 ng
RT: 14.65 min Scan# 2221
Delta R.T. -0.04 min
Lab File: BF095795.D
Acq: 8 Jun 2017 21:34

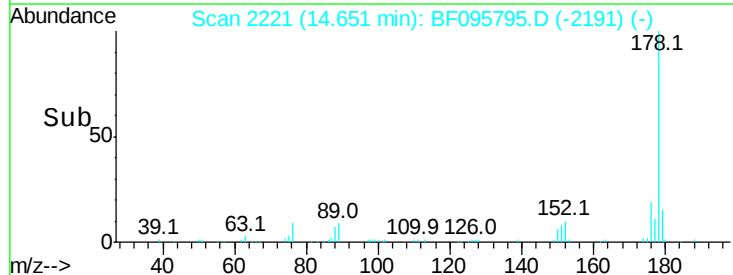
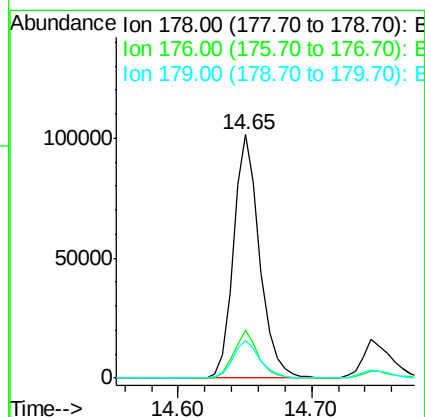
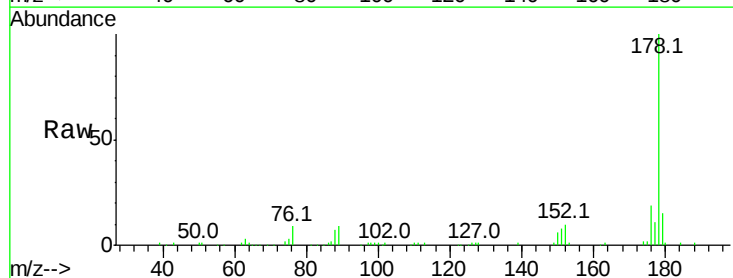
Instrument :
BNA_F
ClientSampleId :

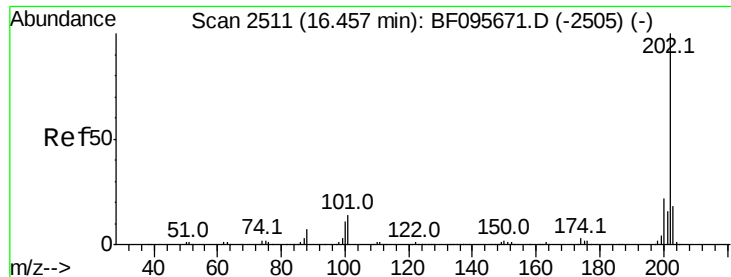
Tot Ion:178 Resp: 137908
Ion Ratio Lower Upper
178 100
176 19.4 16.2 24.4
179 15.3 12.6 19.0



#71
Anthracene
Concen: 10.37 ng
RT: 14.65 min Scan# 2221
Delta R.T. -0.12 min
Lab File: BF095795.D
Acq: 8 Jun 2017 21:34

Tgt Ion:178 Resp: 137908
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.3 12.7 19.1

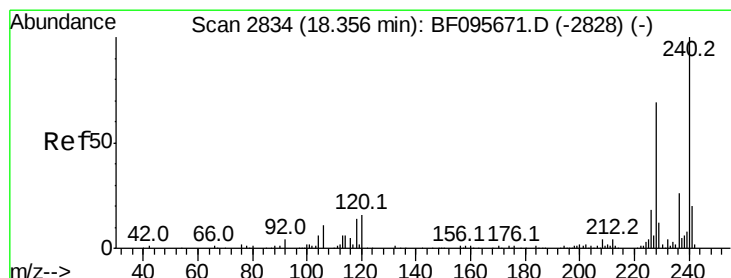
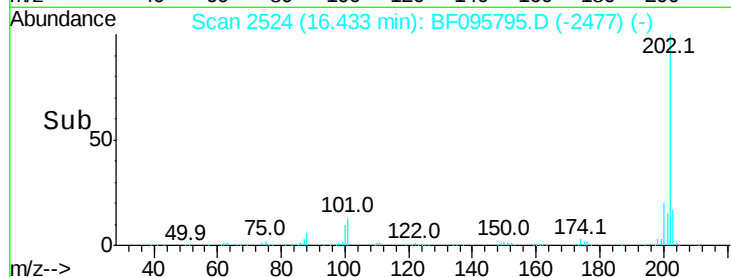
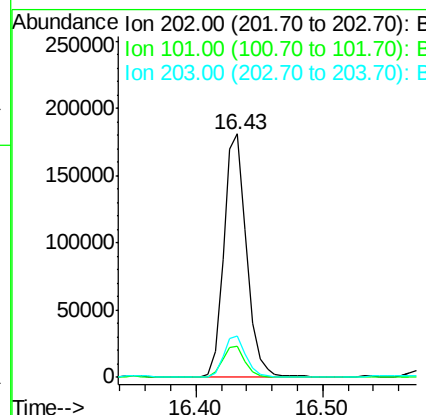
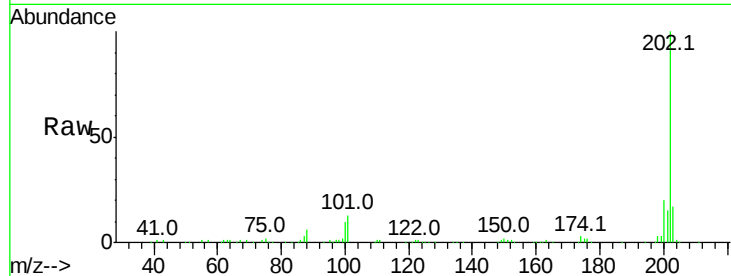




#74
 Fluoranthene
 Concen: 17.87 ng
 RT: 16.43 min Scan# 2524
 Delta R.T. -0.02 min
 Lab File: BF095795.D
 Acq: 8 Jun 2017 21:34

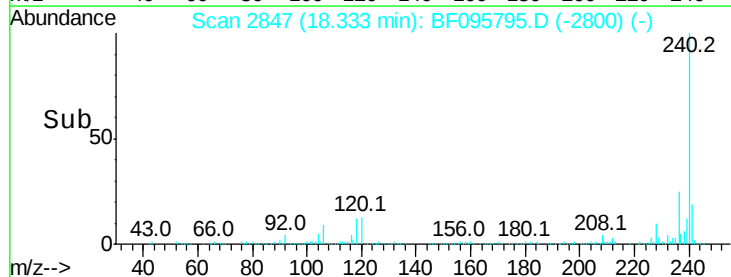
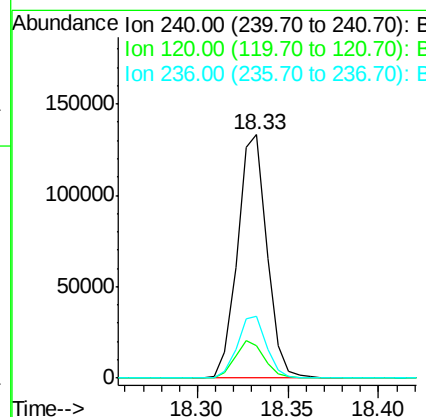
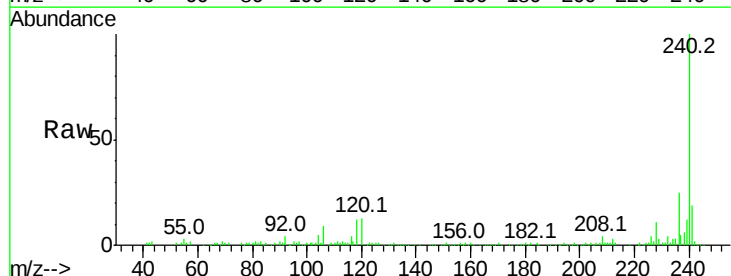
Instrument :
 BNA_F
 ClientSampled :

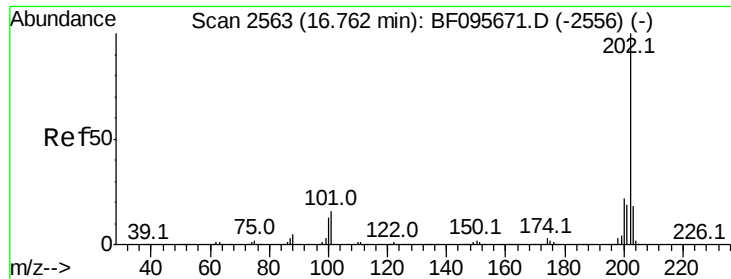
Tot Ion:202 Resp: 225217
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 33.2
 203 17.1 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.33 min Scan# 2847
 Delta R.T. -0.02 min
 Lab File: BF095795.D
 Acq: 8 Jun 2017 21:34

Tgt Ion:240 Resp: 149730
 Ion Ratio Lower Upper
 240 100
 120 13.1 5.8 8.8#
 236 25.3 20.5 30.7





#77

Pvrene

Concen: 17.46 ng

RT: 16.73 min Scan# 2575

Delta R.T. -0.03 min

Lab File: BF095795.D

Acq: 8 Jun 2017 21:34

Instrument :

BNA_F

ClientSampled :

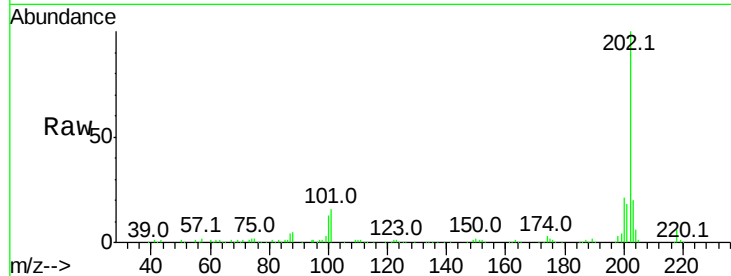
Tot Ion:202 Resp: 195021

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

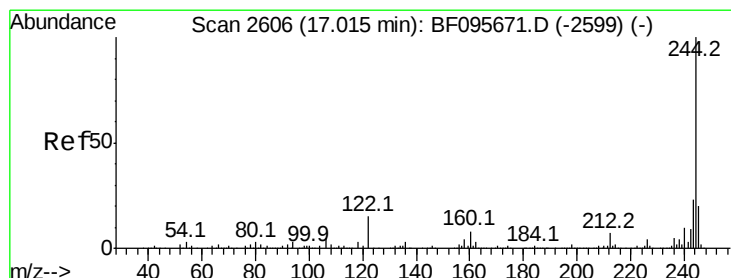
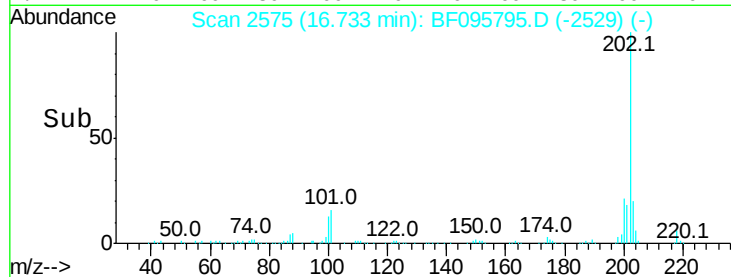
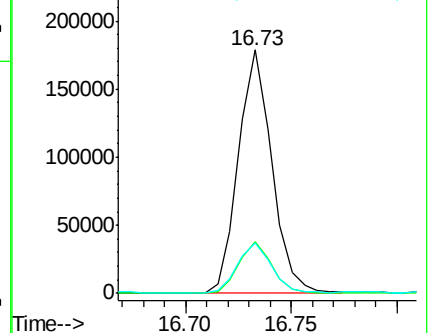
203 20.5 14.4 21.6



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: 62.64 ng

RT: 16.99 min Scan# 2618

Delta R.T. -0.03 min

Lab File: BF095795.D

Acq: 8 Jun 2017 21:34

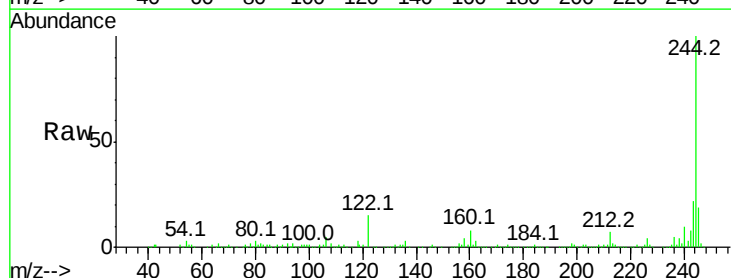
Tgt Ion:244 Resp: 377927

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

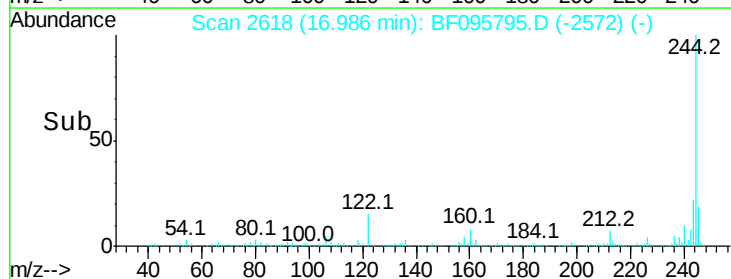
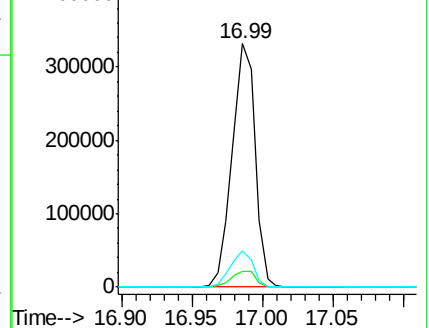
122 15.0 10.3 15.5

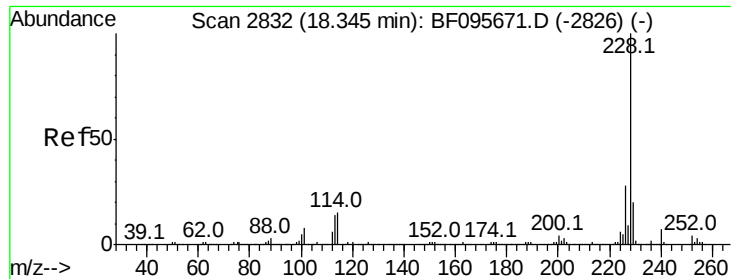


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 9.06 ng

RT: 18.32 min Scan# 2845

Delta R.T. -0.02 min

Lab File: BF095795.D

Acq: 8 Jun 2017 21:34

Instrument :

BNA_F

ClientSampleId :

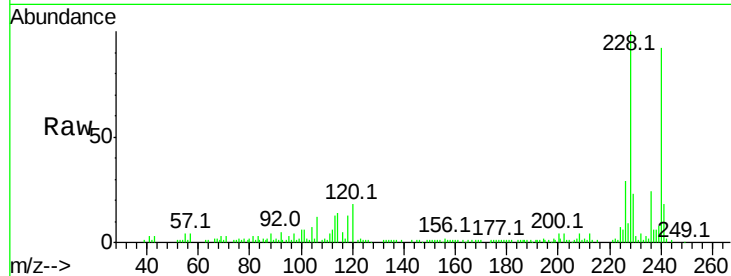
Tot Ion:228 Resp: 78846

Ion Ratio Lower Upper

228 100

226 29.1 22.6 33.8

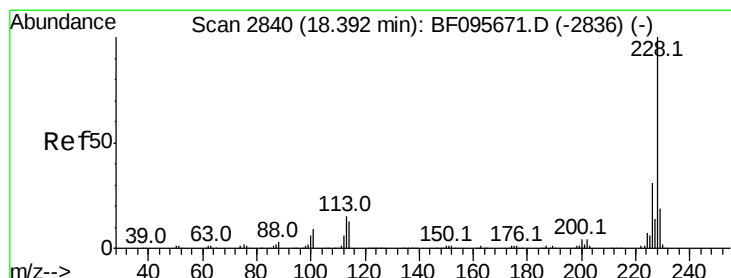
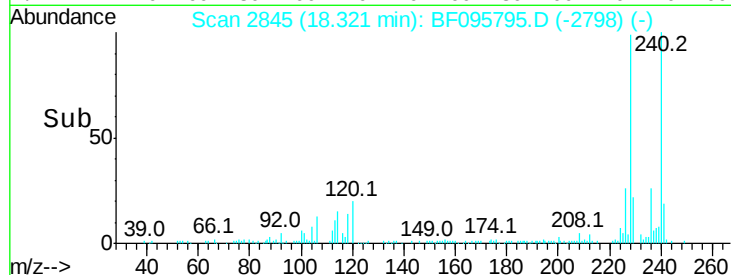
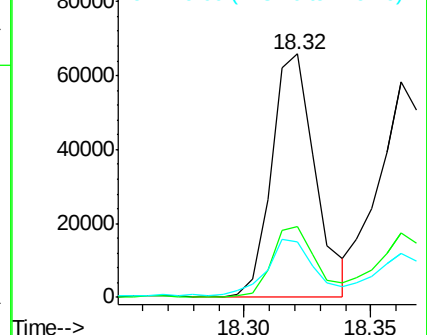
229 22.7 16.3 24.5



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: 9.47 ng

RT: 18.36 min Scan# 2852

Delta R.T. -0.03 min

Lab File: BF095795.D

Acq: 8 Jun 2017 21:34

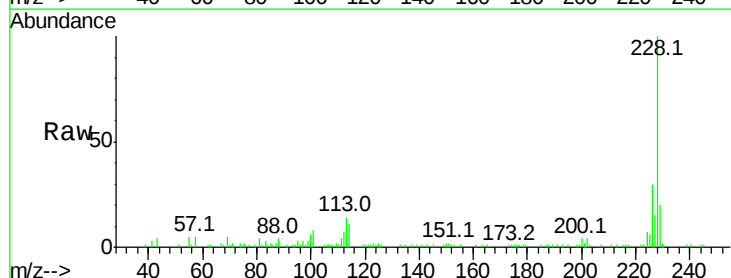
Tgt Ion:228 Resp: 82343

Ion Ratio Lower Upper

228 100

226 29.7 24.9 37.3

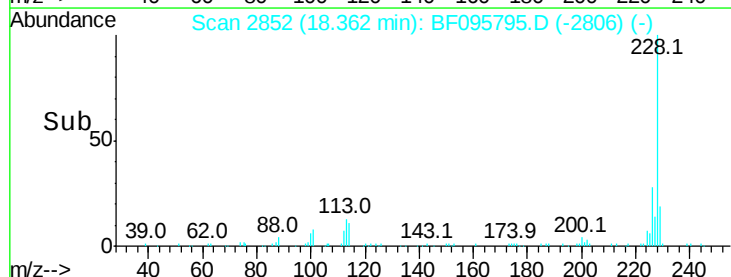
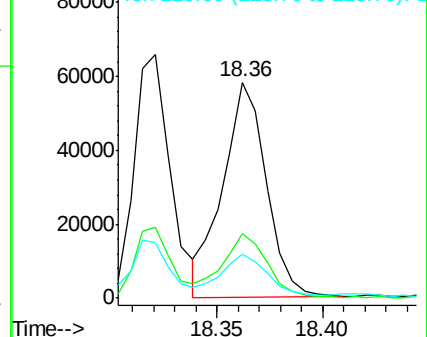
229 20.1 15.8 23.6

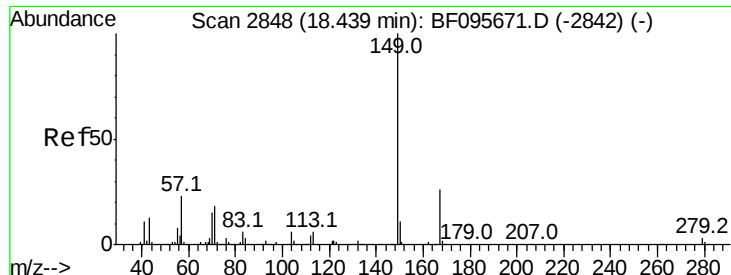


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

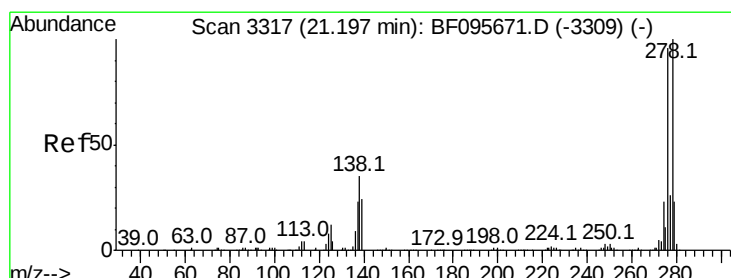
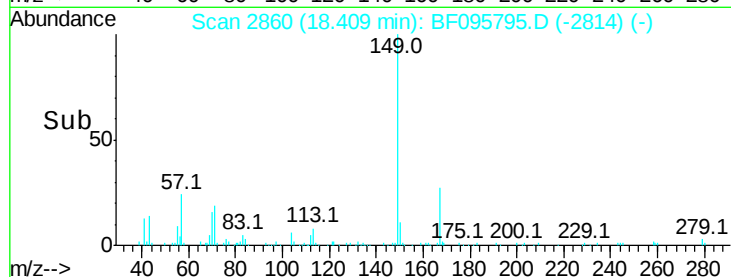
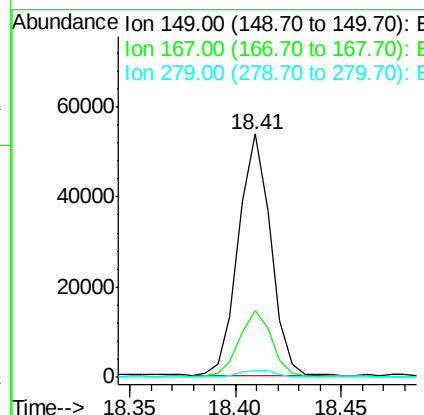
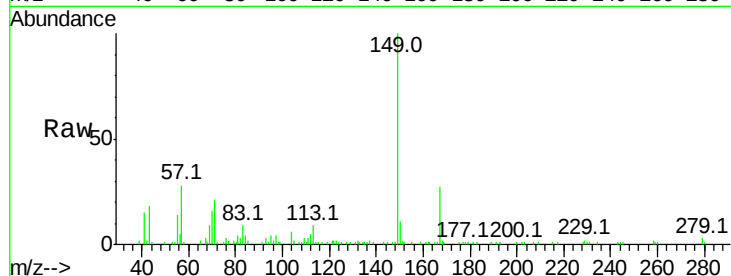




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 8.25 ng
 RT: 18.41 min Scan# 2860
 Delta R.T. -0.03 min
 Lab File: BF095795.D
 Acq: 8 Jun 2017 21:34

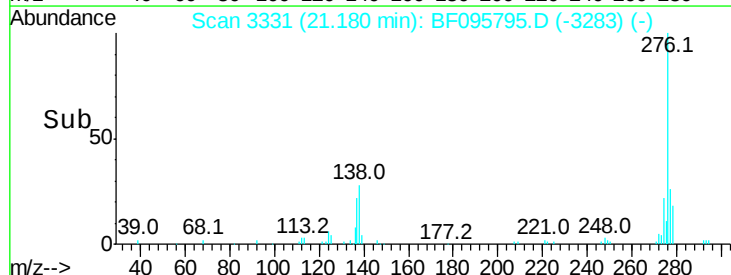
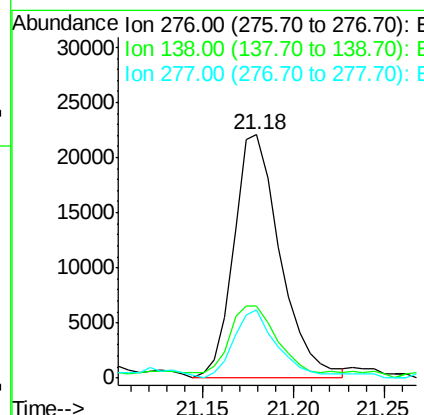
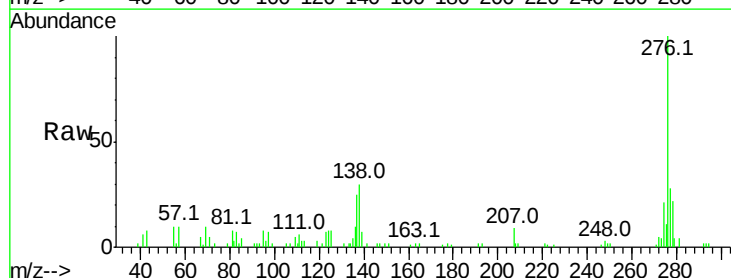
Instrument :
 BNA_F
 ClientSampleId :

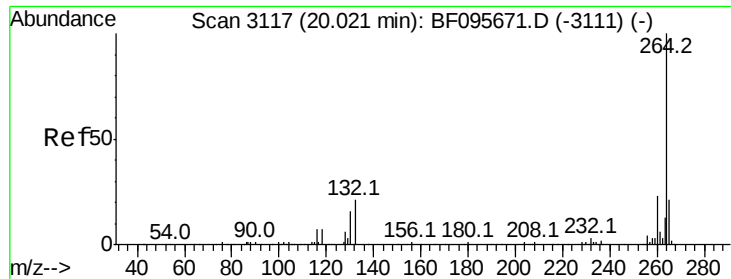
Tot Ion:149 Resp: 56773
 Ion Ratio Lower Upper
 149 100
 167 27.5 21.0 31.4
 279 2.7 1.9 2.9



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.30 ng
 RT: 21.18 min Scan# 3331
 Delta R.T. -0.02 min
 Lab File: BF095795.D
 Acq: 8 Jun 2017 21:34

Tgt Ion:276 Resp: 39453
 Ion Ratio Lower Upper
 276 100
 138 27.7 27.8 41.6#
 277 26.0 20.2 30.4

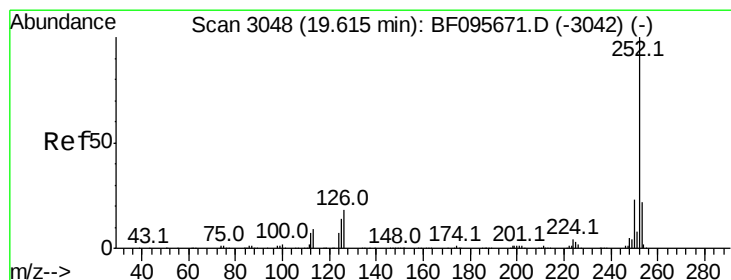
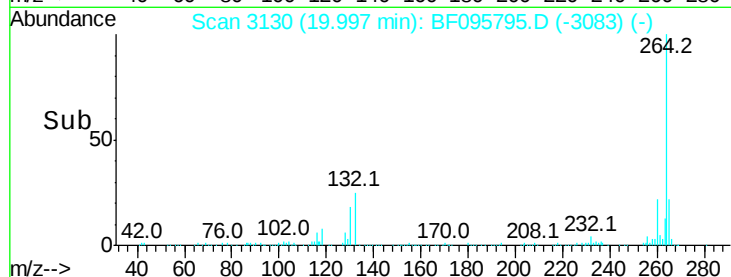
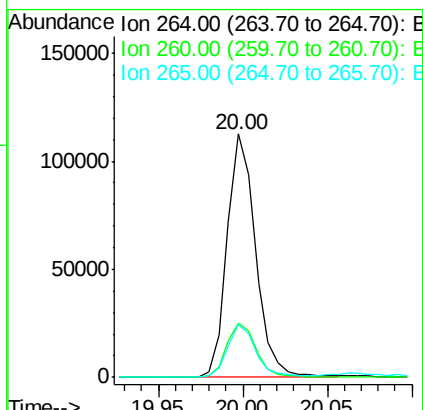
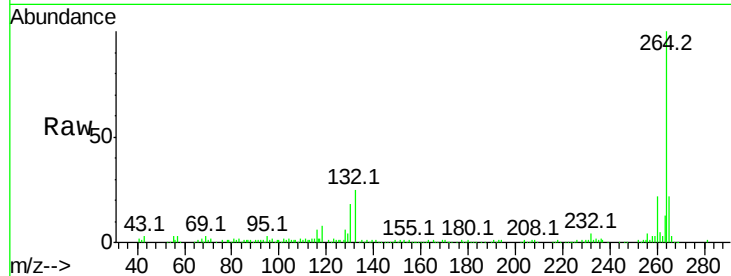




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.00 min Scan# 3130
Delta R.T. -0.02 min
Lab File: BF095795.D
Acq: 8 Jun 2017 21:34

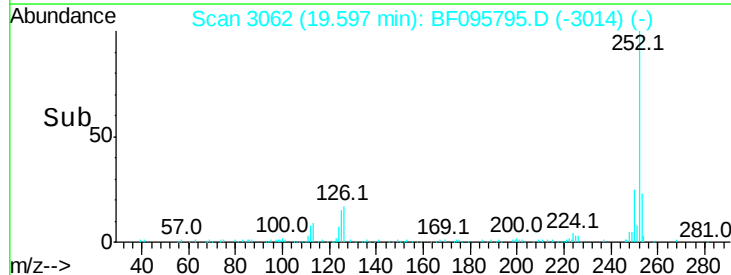
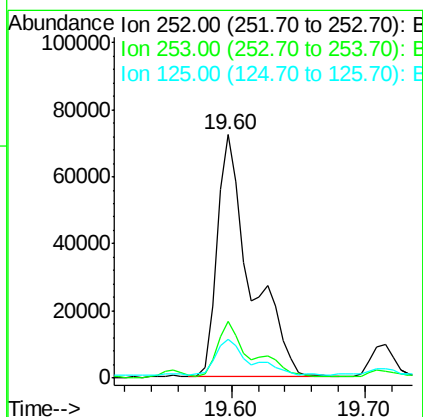
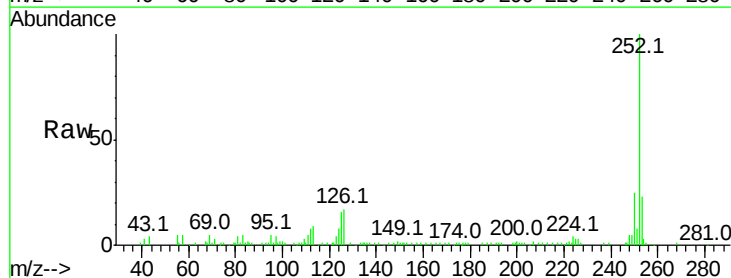
Instrument :
BNA_F
ClientSampled :

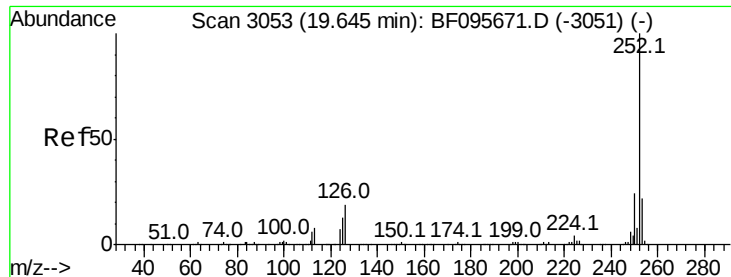
Tot Ion:264 Resp: 132204
Ion Ratio Lower Upper
264 100
260 22.5 19.5 29.3
265 21.5 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 15.26 ng
RT: 19.60 min Scan# 3062
Delta R.T. -0.02 min
Lab File: BF095795.D
Acq: 8 Jun 2017 21:34

Tgt Ion:252 Resp: 126326
Ion Ratio Lower Upper
252 100
253 23.2 18.1 27.1
125 16.1 9.8 14.8#

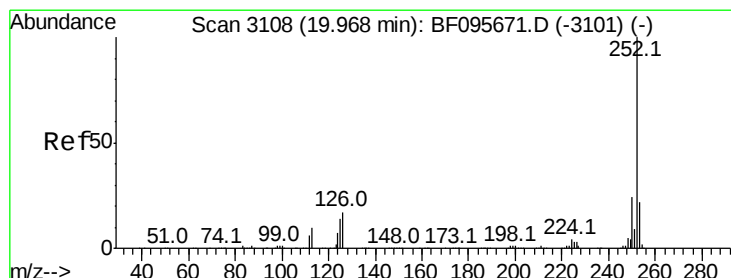
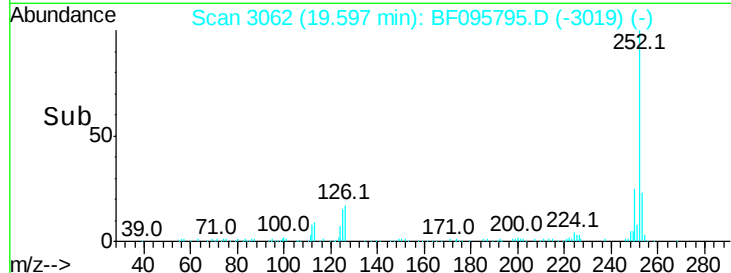
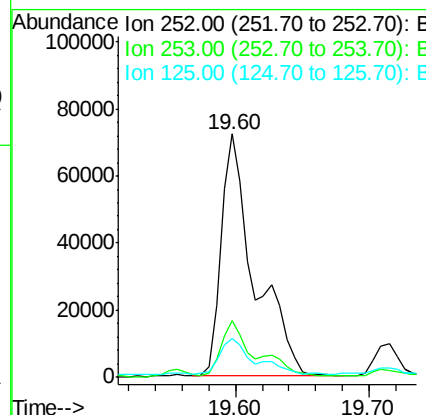
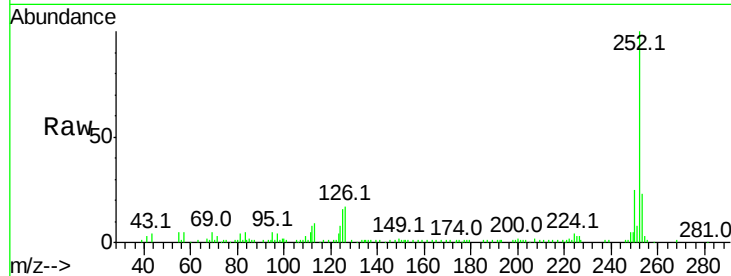




#88
Benzo(k)fluoranthene
Concen: 15.97 ng
RT: 19.60 min Scan# 3062
Delta R.T. -0.05 min
Lab File: BF095795.D
Acq: 8 Jun 2017 21:34

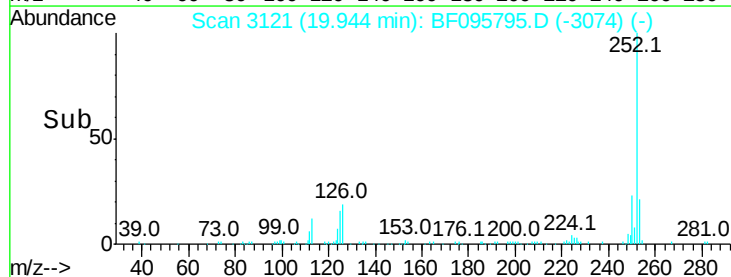
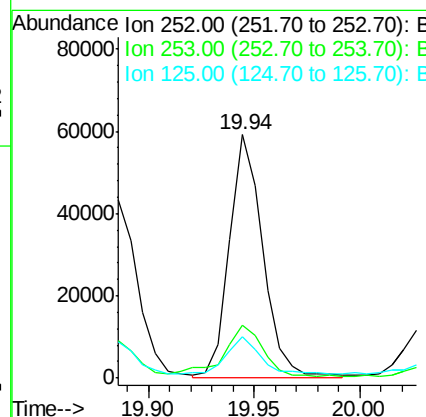
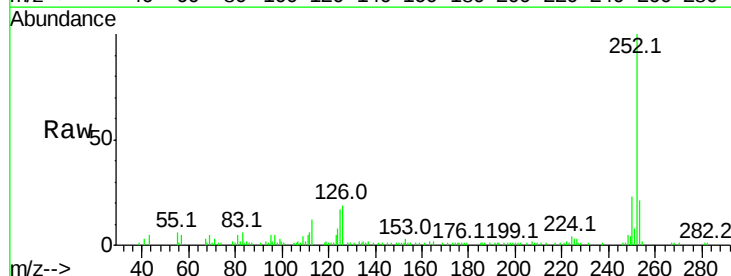
Instrument :
BNA_F
ClientSampleId :

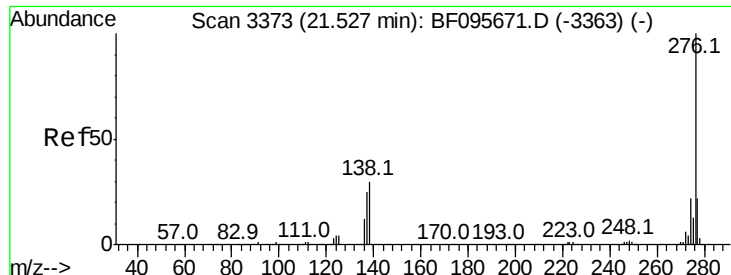
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.4	27.6
125	16.1	13.1	19.7



#89
Benzo(a)pyrene
Concen: 8.48 ng
RT: 19.94 min Scan# 3121
Delta R.T. -0.02 min
Lab File: BF095795.D
Acq: 8 Jun 2017 21:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	16.9	11.0	16.4#

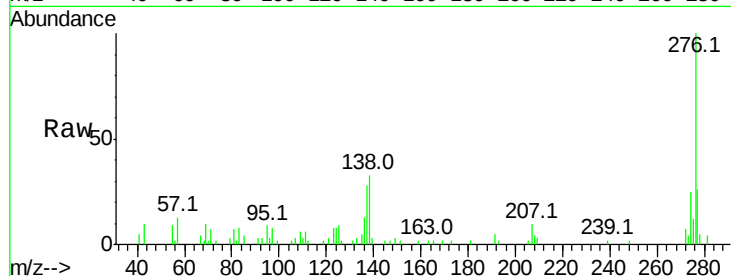




#91
 Benzo(a,h,i)perylene
 Concen: 5.76 ng
 RT: 21.51 min Scan# 3387
 Delta R.T. -0.02 min
 Lab File: BF095795.D
 Acq: 8 Jun 2017 21:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 276 Resp: 37870
 Ion Ratio Lower Upper
 276 100
 277 25.9 18.6 28.0
 138 32.5 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

