

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060617\
 Data File : BF095721.D
 Acq On : 6 Jun 2017 21:36
 Operator : SJ/MA
 Sample : I3405-04RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 07 02:48:27 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

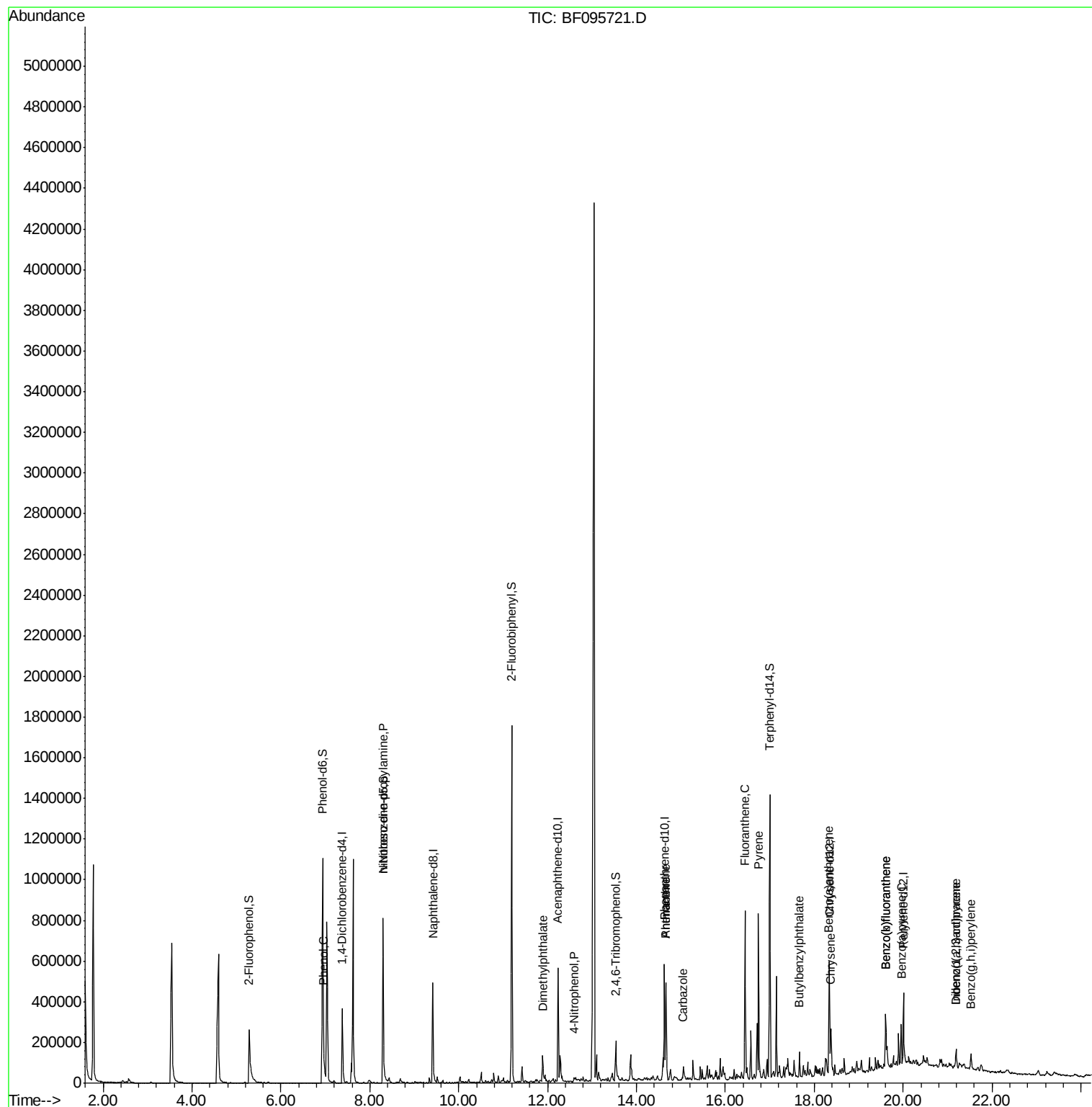
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	89356	20.00	ng	-0.02
21) Naphthalene-d8	9.42	136	366387	20.00	ng	-0.02
38) Acenaphthene-d10	12.23	164	159368	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	263255	20.00	ng	-0.02
75) Chrysene-d12	18.34	240	175943	20.00	ng	-0.02
86) Perylene-d12	20.01	264	155748	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	211937	37.79	ng	0.00
7) Phenol-d6	6.94	99	632551	94.22	ng	-0.02
23) Nitrobenzene-d5	8.30	82	406570	68.92	ng	-0.02
41) 2,4,6-Tribromophenol	13.53	330	34876	24.73	ng	-0.02
44) 2-Fluorobiphenyl	11.20	172	785666	68.60	ng	-0.02
78) Terphenyl-d14	17.00	244	523768	73.88	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.96	94	25908	3.72	ng	91
19) n-Nitroso-di-n-propylamine	8.30	70	51605	12.13	ng	# 73
49) Dimethylphthalate	11.89	163	77576	6.41	ng	99
55) 4-Nitrophenol	12.59	139	6830	8.21	ng	# 31
70) Phenanthrene	14.66	178	282362	18.59	ng	98
71) Anthracene	14.66	178	282362	17.81	ng	99
72) Carbazole	15.06	167	43782	2.83	ng	97
74) Fluoranthene	16.44	202	441119	29.34	ng	98
77) Pyrene	16.74	202	328210	25.00	ng	# 94
79) Butylbenzylphthalate	17.67	149	33815	5.90	ng	89
80) Benzo(a)anthracene	18.33	228	98472	9.63	ng	98
82) Chrysene	18.37	228	120226	11.76	ng	96
85) Indeno(1,2,3-cd)pyrene	21.19	276	56259	6.43	ng	92
87) Benzo(b)fluoranthene	19.60	252	144278	14.79	ng	# 97
88) Benzo(k)fluoranthene	19.60	252	144278	15.48	ng	98
89) Benzo(a)pyrene	19.96	252	85646	9.55	ng	98
90) Dibenzo(a,h)anthracene	21.19	278	15861	2.09	ng	# 82
91) Benzo(g,h,i)perylene	21.52	276	53911	6.95	ng	95

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

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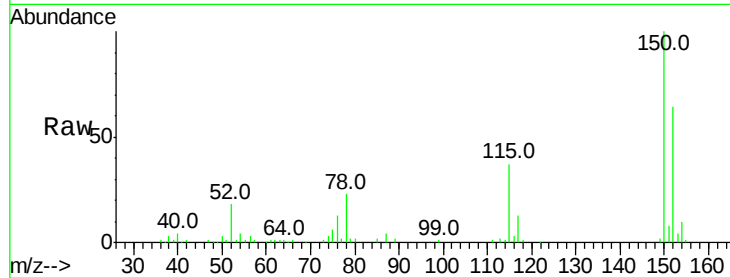


#1

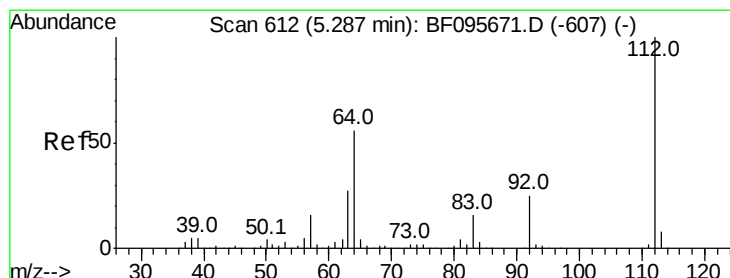
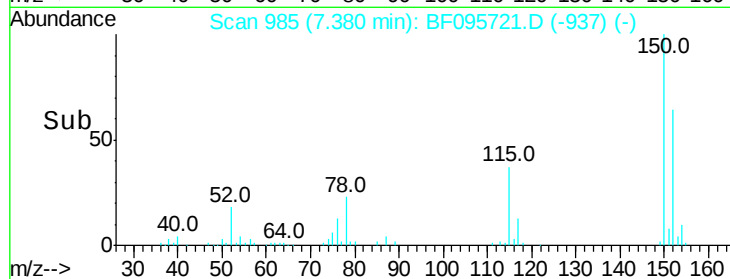
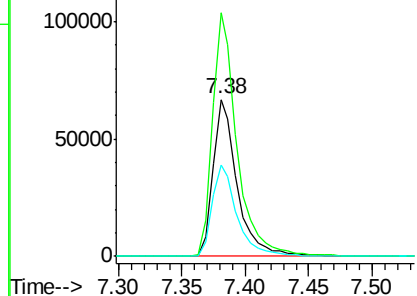
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.38 min Scan# 985
 Delta R.T. -0.02 min
 Lab File: BF095721.D
 Acq: 6 Jun 2017 21:36

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 89356
 Ion Ratio Lower Upper
 152 100
 150 155.1 126.2 189.2
 115 58.1 52.2 78.2



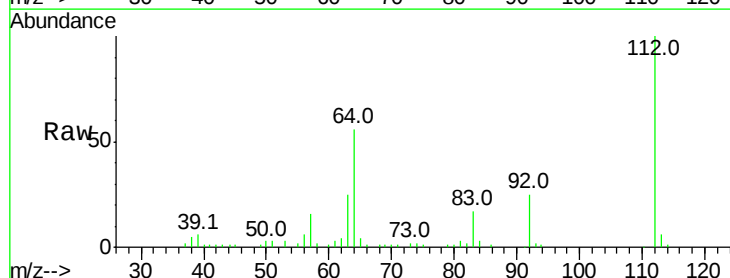
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



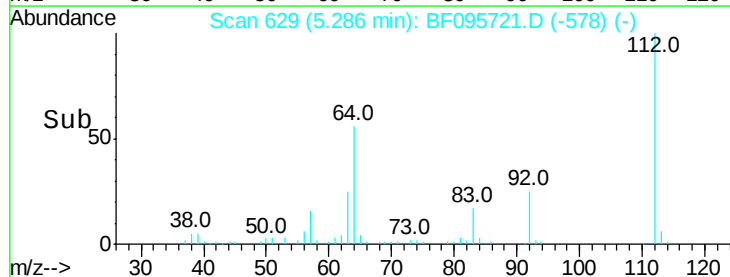
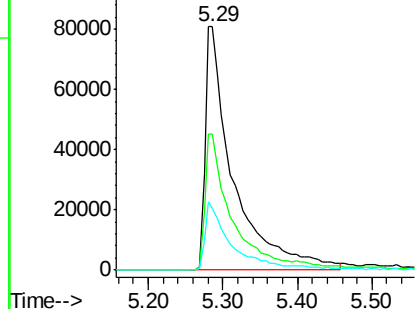
#5

2-Fluorophenol
 Concen: 37.79 ng
 RT: 5.29 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: BF095721.D
 Acq: 6 Jun 2017 21:36

Tgt Ion:112 Resp: 211937
 Ion Ratio Lower Upper
 112 100
 64 55.9 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: 94.22 ng

RT: 6.94 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF095721.D

Acq: 6 Jun 2017 21:36

Instrument :

BNA_F

ClientSampleId :

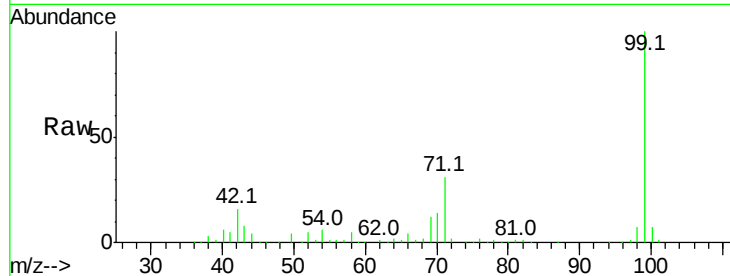
Tot Ion: 99 Resp: 632551

Ion Ratio Lower Upper

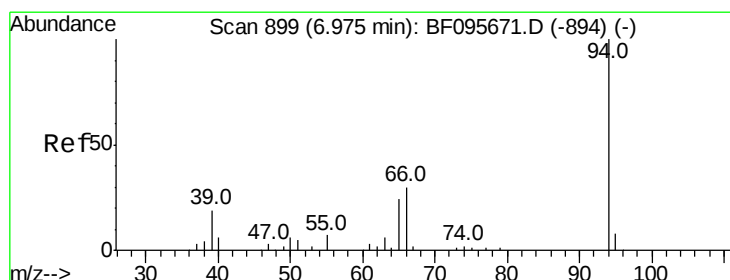
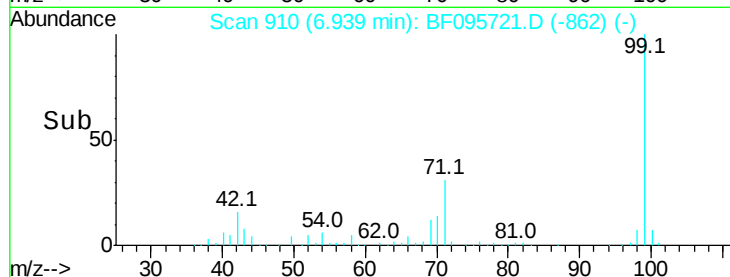
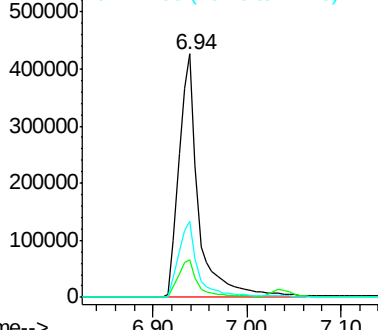
99 100

42 15.6 13.5 20.3

71 31.0 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



#10

Phenol

Concen: 3.72 ng

RT: 6.96 min Scan# 913

Delta R.T. -0.02 min

Lab File: BF095721.D

Acq: 6 Jun 2017 21:36

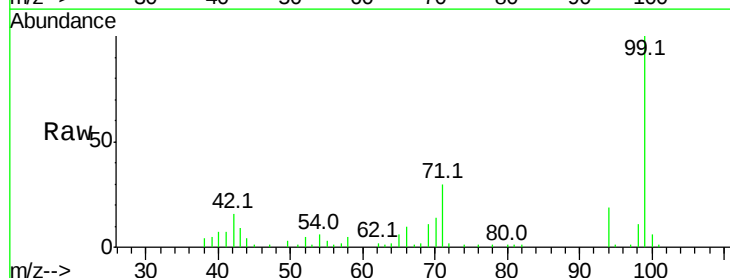
Tgt Ion: 94 Resp: 25908

Ion Ratio Lower Upper

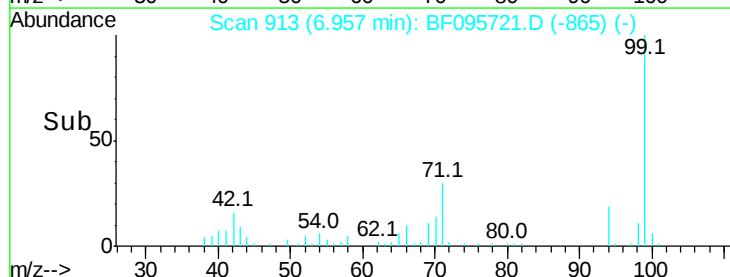
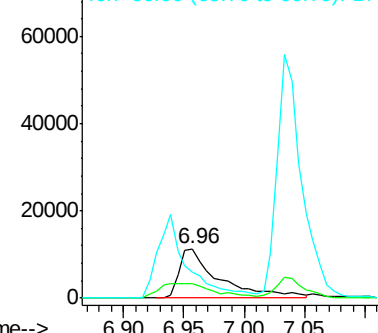
94 100

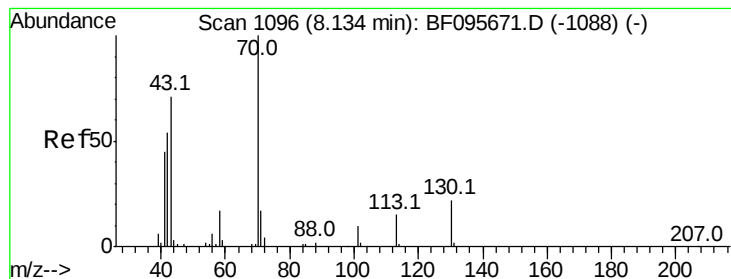
65 30.6 9.9 49.9

66 52.0 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: 12.13 ng

RT: 8.30 min Scan# 1141

Delta R.T. 0.16 min

Lab File: BF095721.D

Acq: 6 Jun 2017 21:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 51605

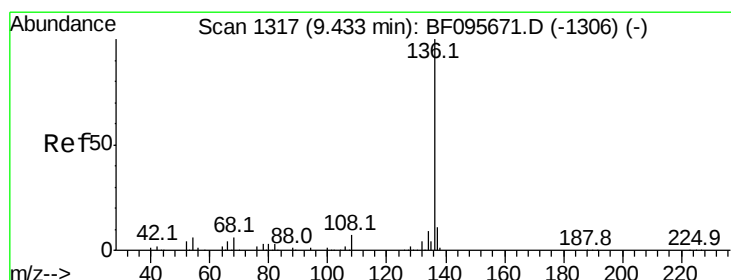
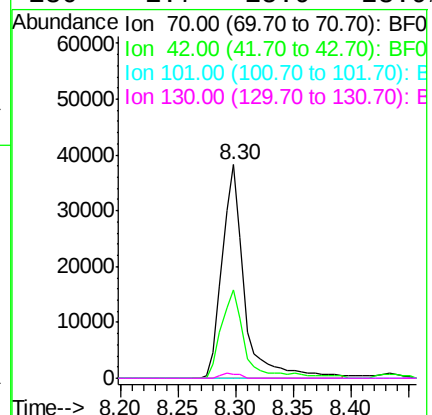
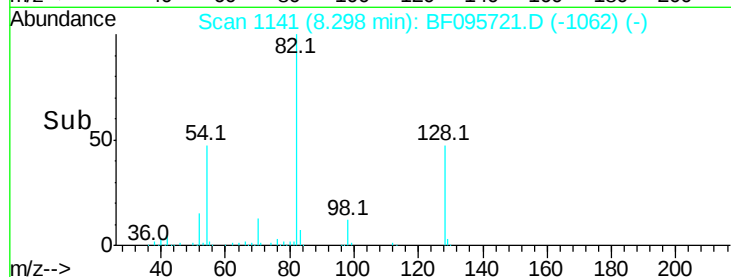
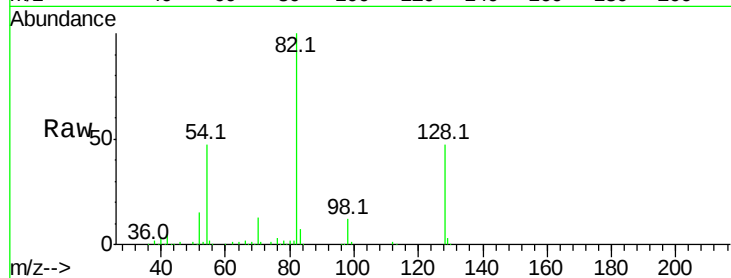
Ion Ratio Lower Upper

70 100

42 41.5 47.2 70.8#

101 0.0 7.2 10.8#

130 1.7 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: BF095721.D

Acq: 6 Jun 2017 21:36

Tgt Ion:136 Resp: 366387

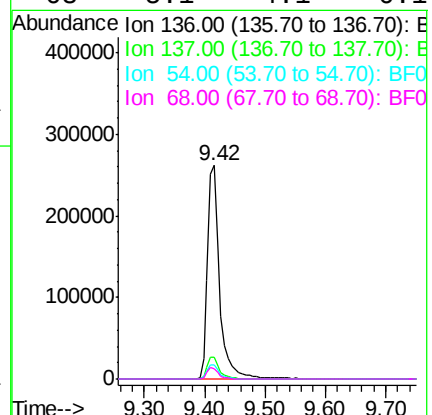
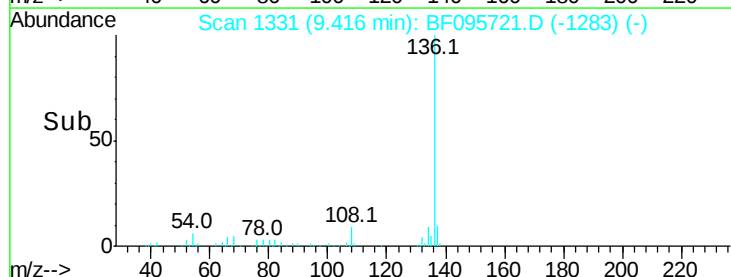
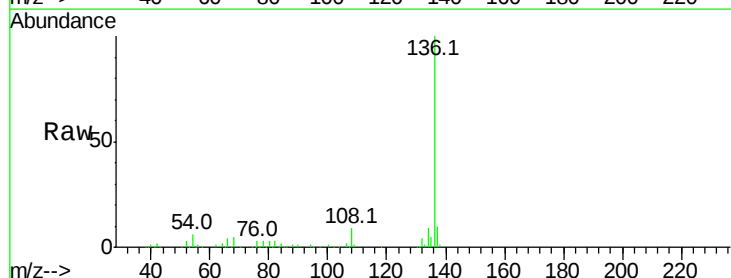
Ion Ratio Lower Upper

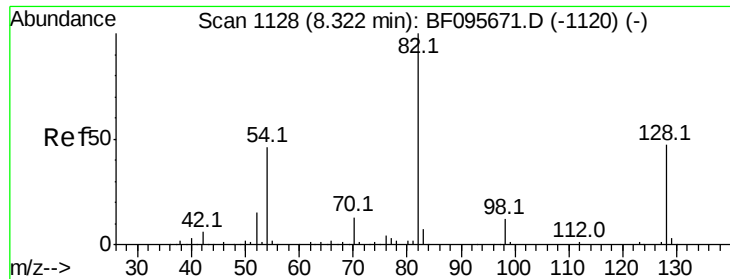
136 100

137 10.3 8.5 12.7

54 6.3 4.9 7.3

68 5.1 4.1 6.1

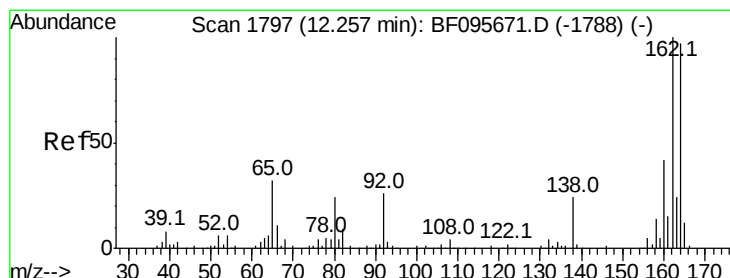
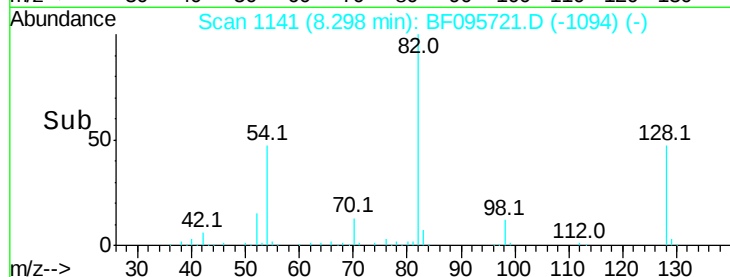
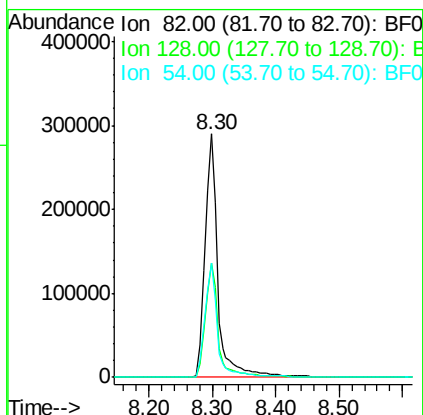
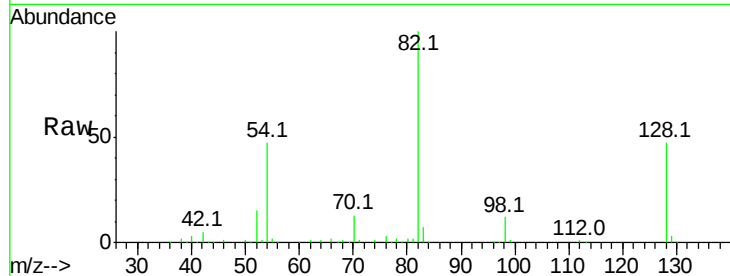




#23
Nitrobenzene-d5
Concen: 68.92 ng
RT: 8.30 min Scan# 1141
Delta R.T. -0.02 min
Lab File: BF095721.D
Acq: 6 Jun 2017 21:36

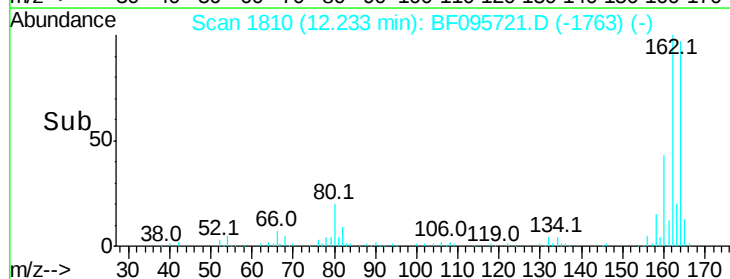
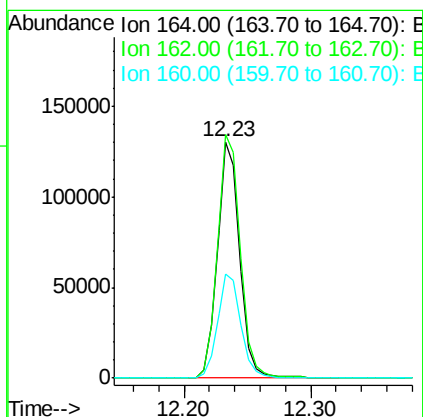
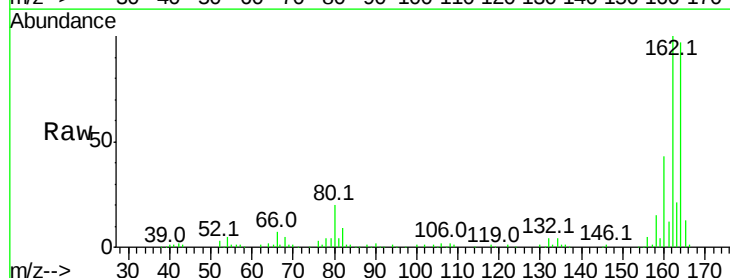
Instrument :
BNA_F
ClientSampleId :

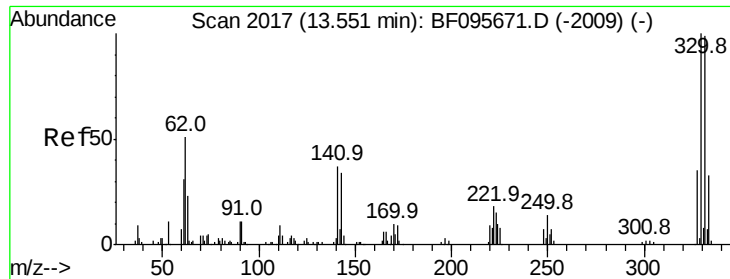
Tot Ion: 82 Resp: 406570
Ion Ratio Lower Upper
82 100
128 47.1 34.0 51.0
54 47.1 42.2 63.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.23 min Scan# 1810
Delta R.T. -0.02 min
Lab File: BF095721.D
Acq: 6 Jun 2017 21:36

Tgt Ion:164 Resp: 159368
Ion Ratio Lower Upper
164 100
162 103.1 82.6 123.8
160 44.2 36.2 54.2

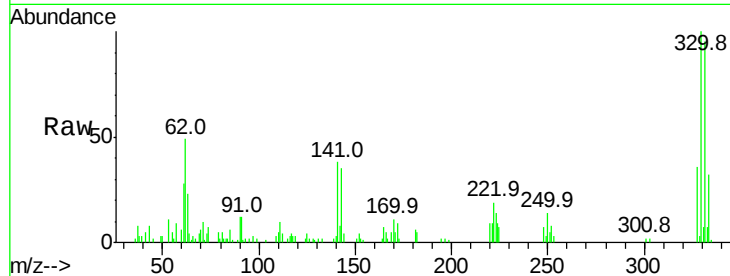




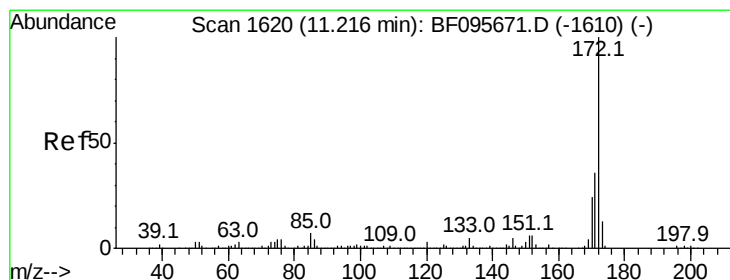
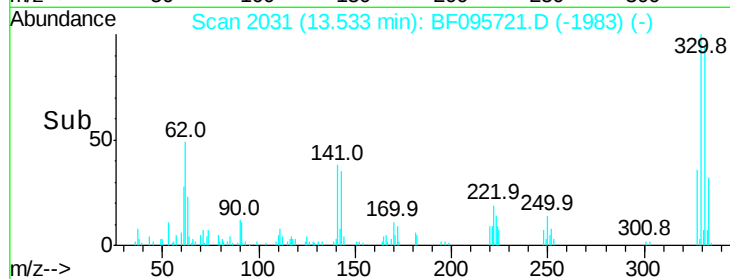
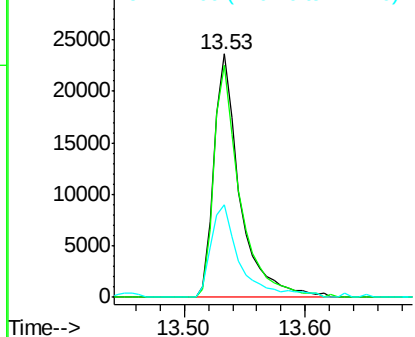
#41
 2,4,6-Tribromophenol
 Concen: 24.73 ng
 RT: 13.53 min Scan# 2031
 Delta R.T. -0.02 min
 Lab File: BF095721.D
 Acq: 6 Jun 2017 21:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 34876
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.6 115.0
 141 42.7 31.4 47.2

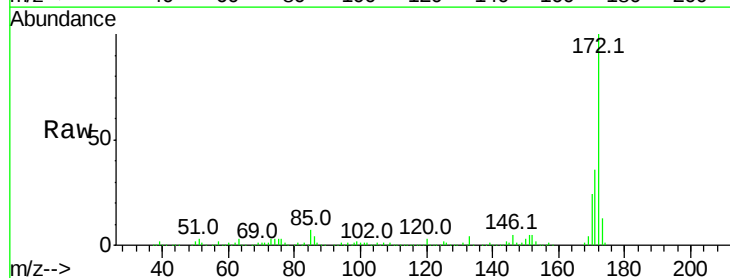


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

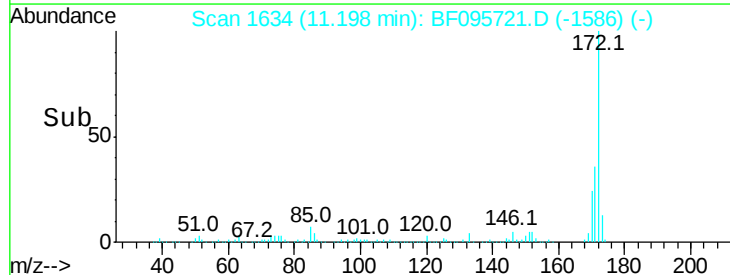
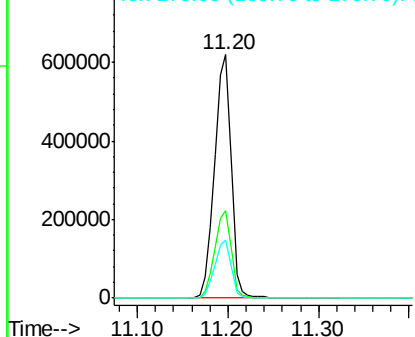


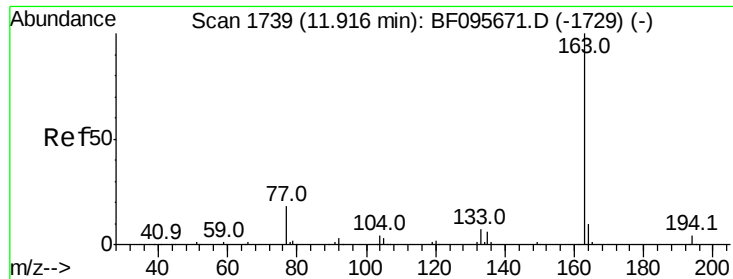
#44
 2-Fluorobiphenyl
 Concen: 68.60 ng
 RT: 11.20 min Scan# 1634
 Delta R.T. -0.02 min
 Lab File: BF095721.D
 Acq: 6 Jun 2017 21:36

Tgt Ion:172 Resp: 785666
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.6 44.4
 170 23.8 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

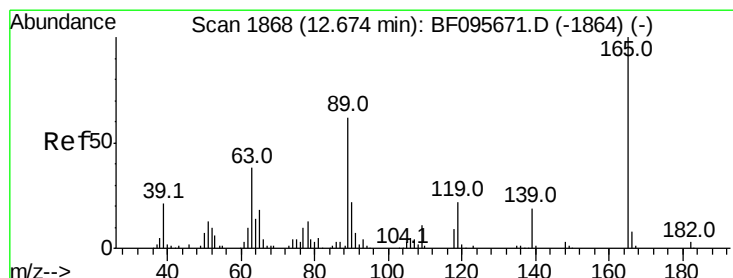
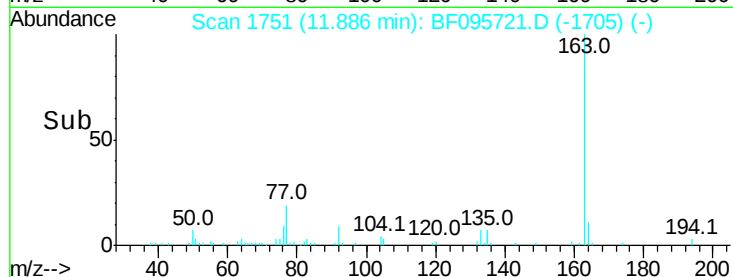
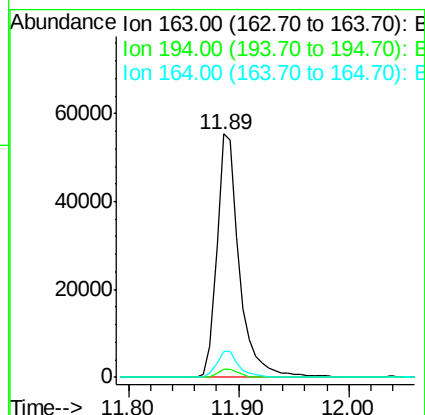
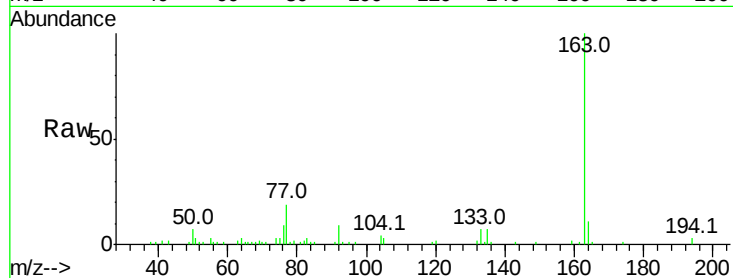




#49
Dimethylphthalate
Concen: 6.41 ng
RT: 11.89 min Scan# 1751
Delta R.T. -0.03 min
Lab File: BF095721.D
Acq: 6 Jun 2017 21:36

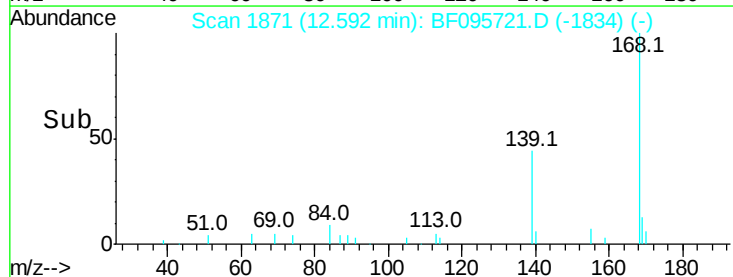
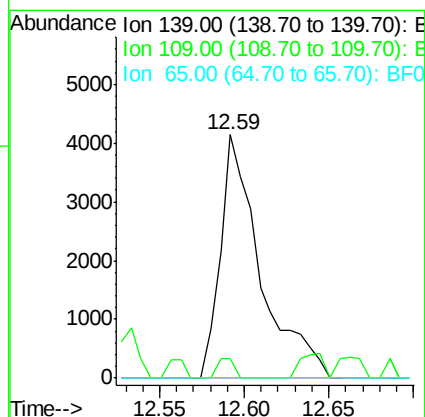
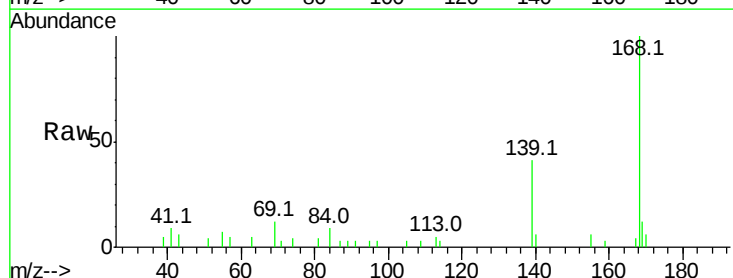
Instrument :
BNA_F
ClientSampleId :

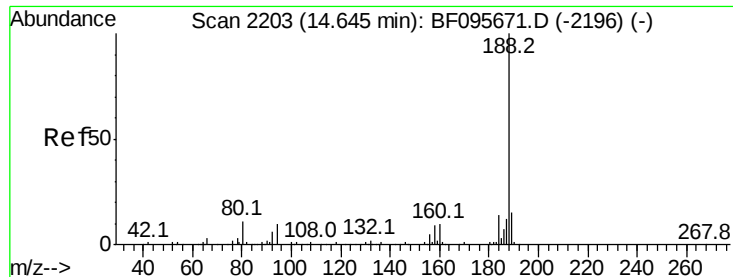
Tot Ion:163 Resp: 77576
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 10.9 8.4 12.6



#55
4-Nitrophenol
Concen: 8.21 ng
RT: 12.59 min Scan# 1871
Delta R.T. -0.08 min
Lab File: BF095721.D
Acq: 6 Jun 2017 21:36

Tgt Ion:139 Resp: 6830
Ion Ratio Lower Upper
139 100
109 8.3 34.1 74.1#
65 0.0 31.4 71.4#

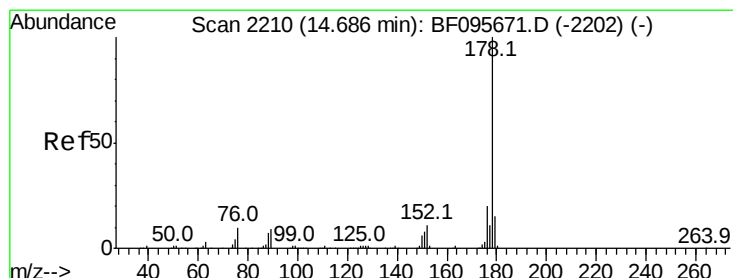
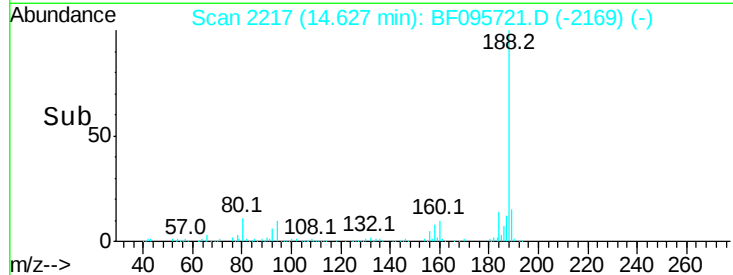
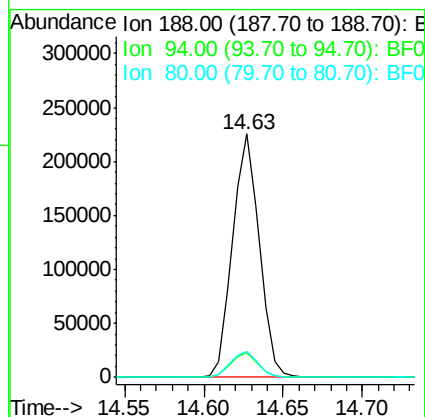
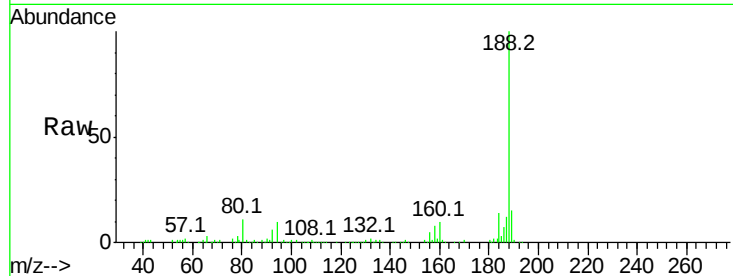




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.63 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF095721.D
Acq: 6 Jun 2017 21:36

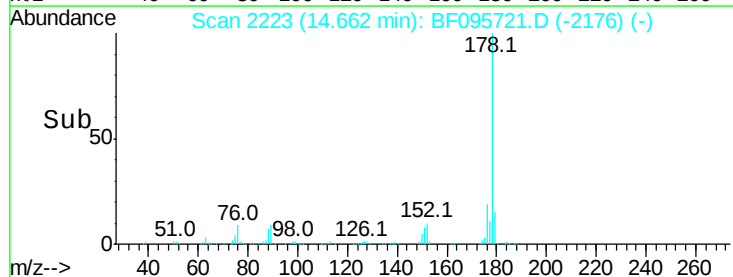
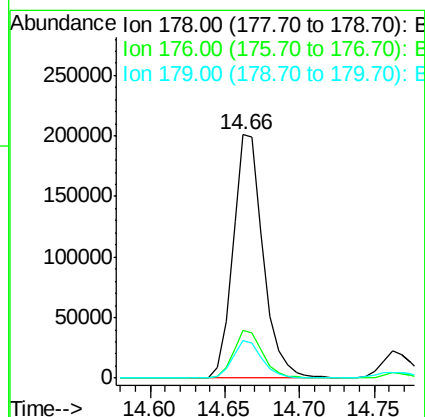
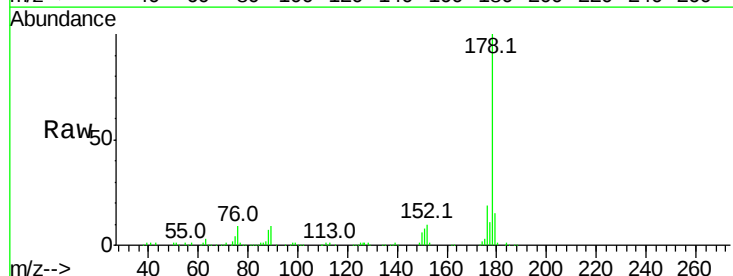
Instrument :
BNA_F
ClientSampleId :

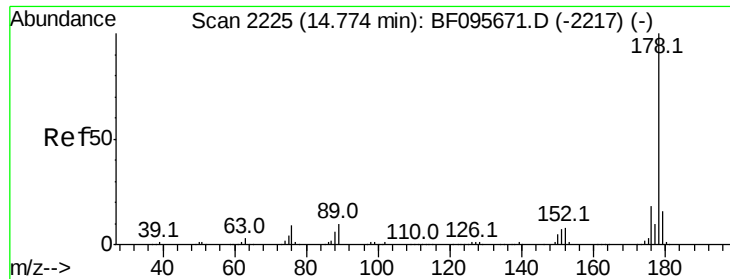
Tot Ion:188 Resp: 263255
Ion Ratio Lower Upper
188 100
94 10.3 9.4 14.2
80 10.6 10.2 15.2



#70
Phenanthrene
Concen: 18.59 ng
RT: 14.66 min Scan# 2223
Delta R.T. -0.02 min
Lab File: BF095721.D
Acq: 6 Jun 2017 21:36

Tgt Ion:178 Resp: 282362
Ion Ratio Lower Upper
178 100
176 19.4 16.2 24.4
179 15.4 12.6 19.0

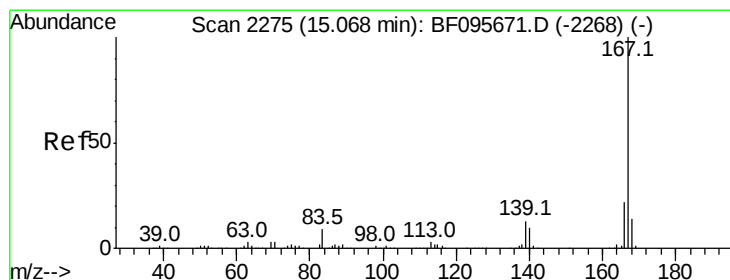
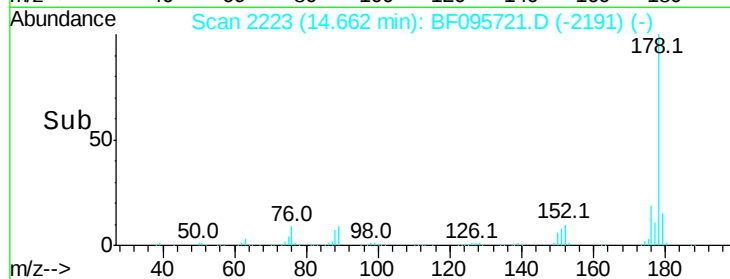
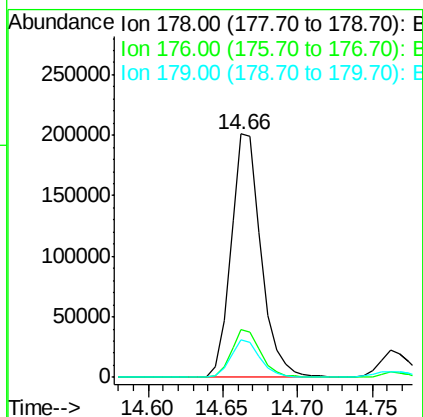
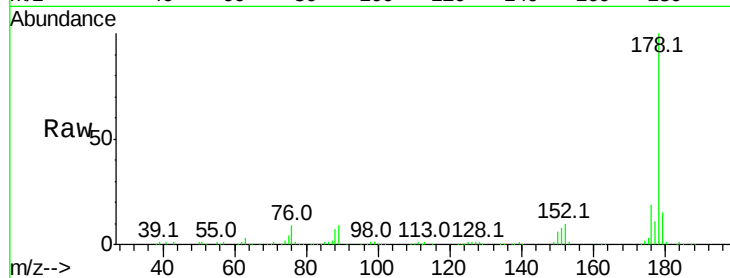




#71
 Anthracene
 Concen: 17.81 ng
 RT: 14.66 min Scan# 2223
 Delta R.T. -0.11 min
 Lab File: BF095721.D
 Acq: 6 Jun 2017 21:36

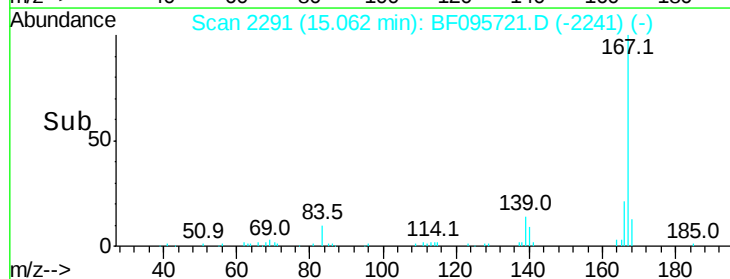
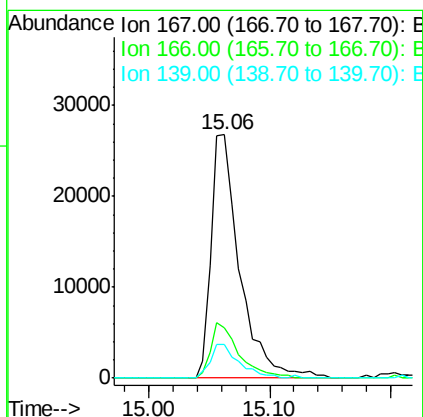
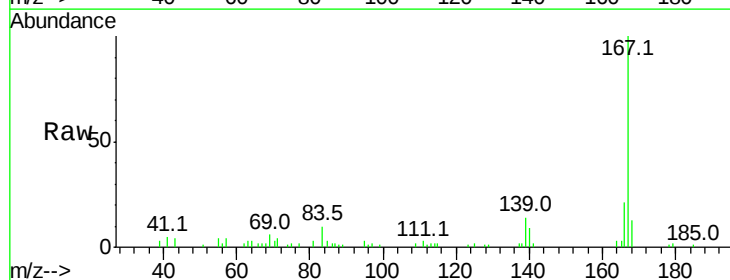
Instrument :
 BNA_F
 ClientSampled :

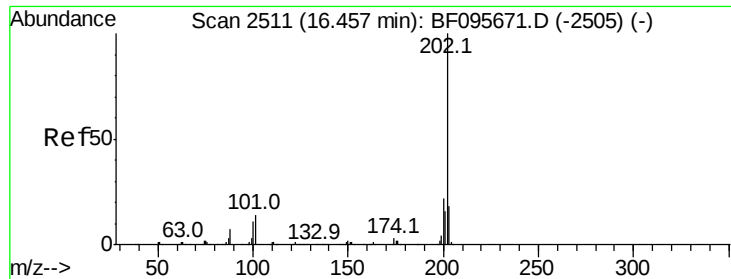
Tot Ion:178 Resp: 282362
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.8
 179 15.4 12.7 19.1



#72
 Carbazole
 Concen: 2.83 ng
 RT: 15.06 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BF095721.D
 Acq: 6 Jun 2017 21:36

Tgt Ion:167 Resp: 43782
 Ion Ratio Lower Upper
 167 100
 166 20.9 18.1 27.1
 139 14.0 11.7 17.5





#74

Fluoranthene

Concen: 29.34 ng

RT: 16.44 min Scan# 2526

Delta R.T. -0.01 min

Lab File: BF095721.D

Acq: 6 Jun 2017 21:36

Instrument :

BNA_F

ClientSampled :

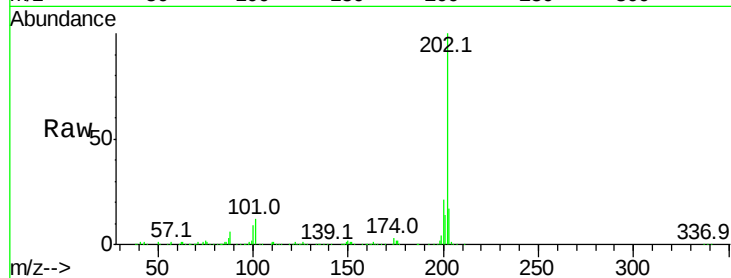
Tot Ion:202 Resp: 441119

Ion Ratio Lower Upper

202 100

101 12.3 0.0 33.2

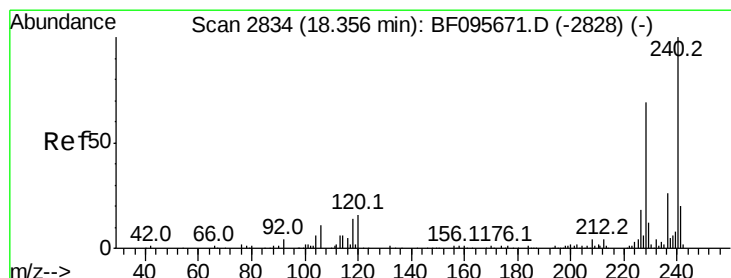
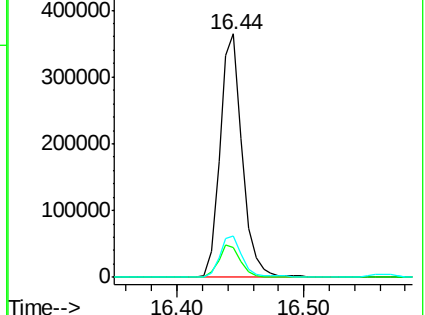
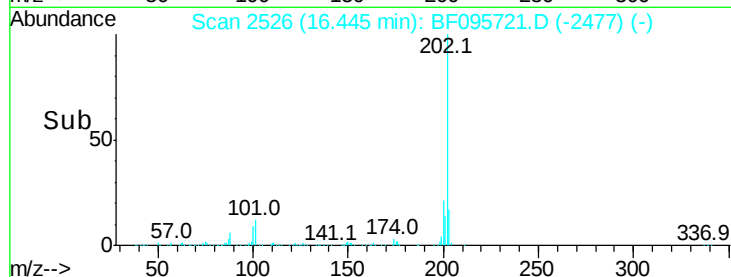
203 17.0 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.34 min Scan# 2848

Delta R.T. -0.02 min

Lab File: BF095721.D

Acq: 6 Jun 2017 21:36

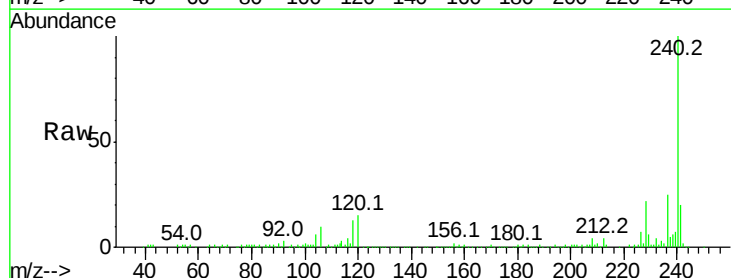
Tgt Ion:240 Resp: 175943

Ion Ratio Lower Upper

240 100

120 14.7 5.8 8.8#

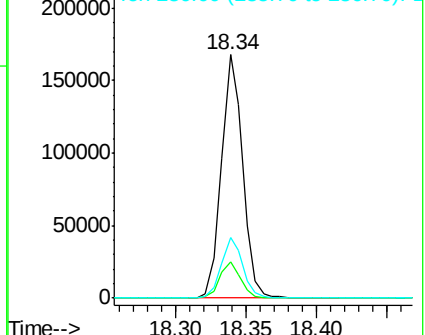
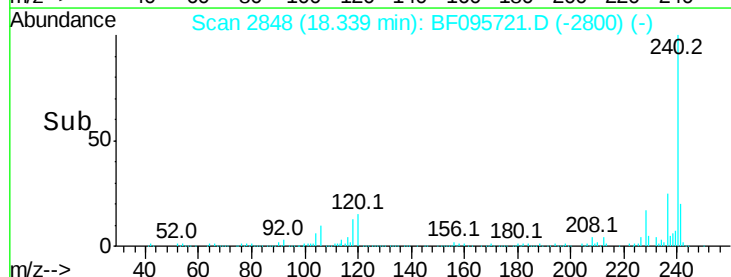
236 24.8 20.5 30.7

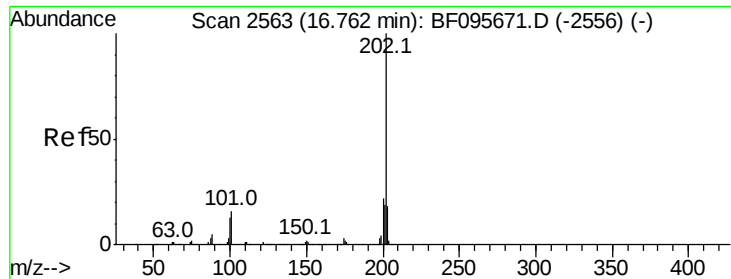


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 25.00 ng

RT: 16.74 min Scan# 2577

Delta R.T. -0.02 min

Lab File: BF095721.D

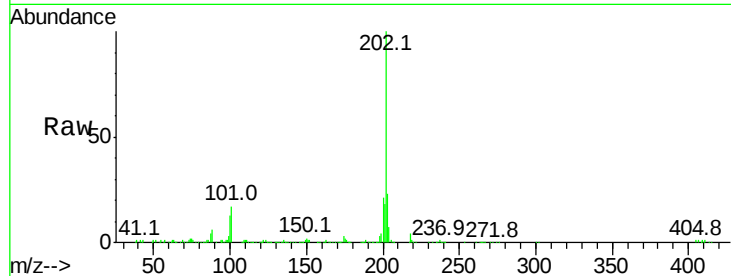
Acq: 6 Jun 2017 21:36

Instrument :

BNA_F

ClientSampleId :

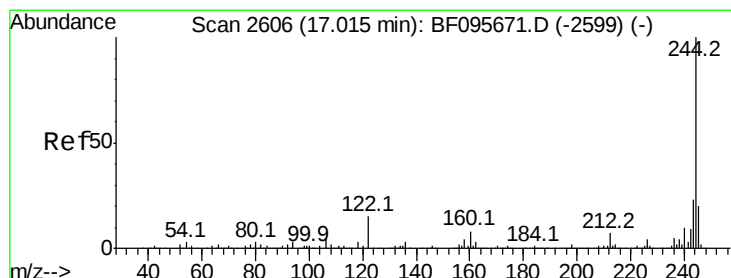
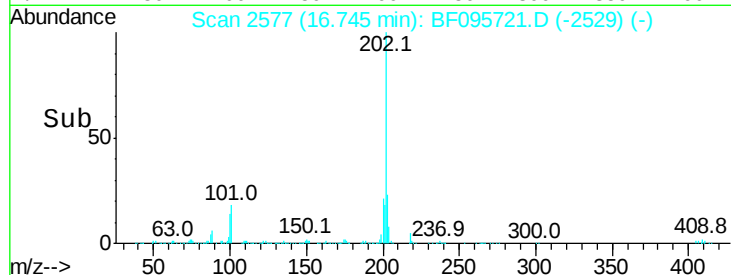
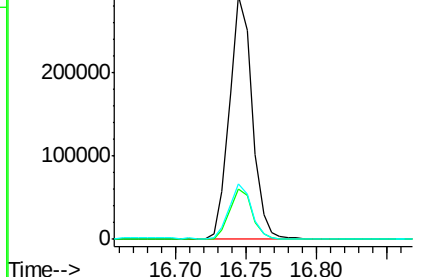
Tot Ion:	202	Resp:	328210
Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.6	26.4
203	22.7	14.4	21.6#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 73.88 ng

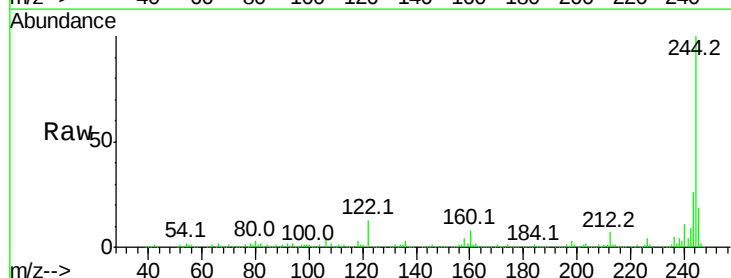
RT: 17.00 min Scan# 2621

Delta R.T. -0.01 min

Lab File: BF095721.D

Acq: 6 Jun 2017 21:36

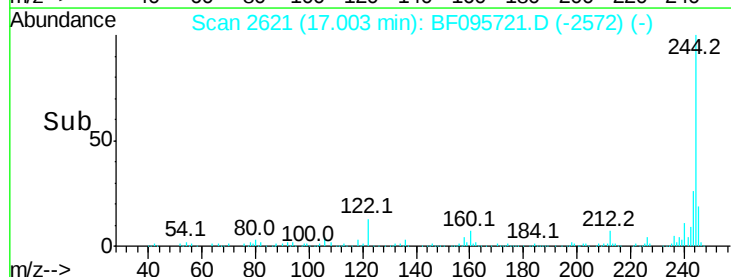
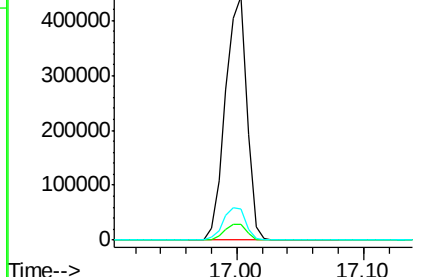
Tgt Ion:	244	Resp:	523768
Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	12.9	10.3	15.5

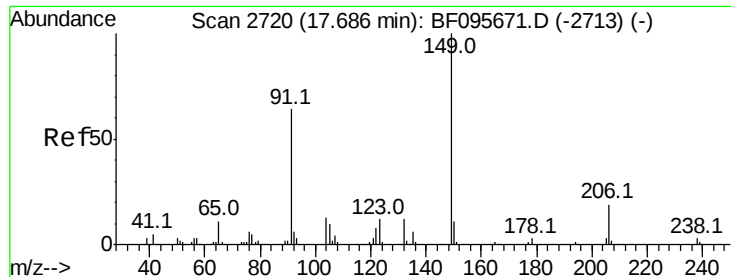


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

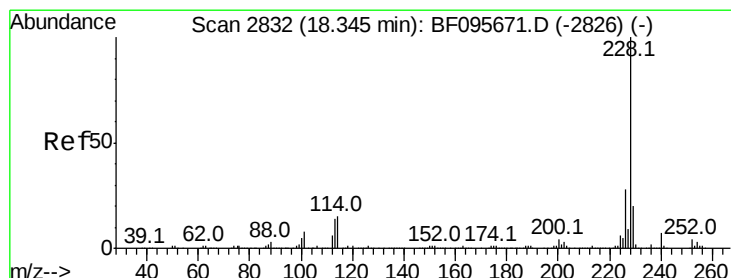
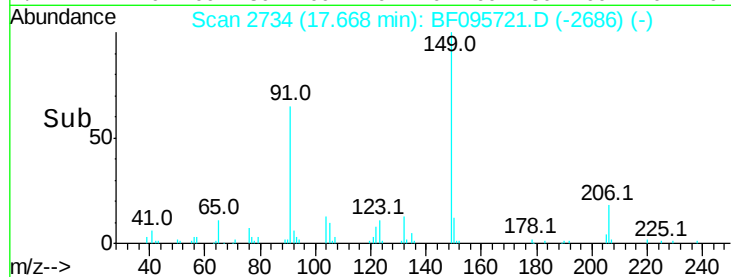
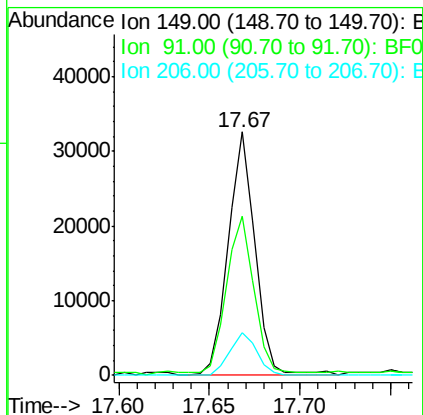
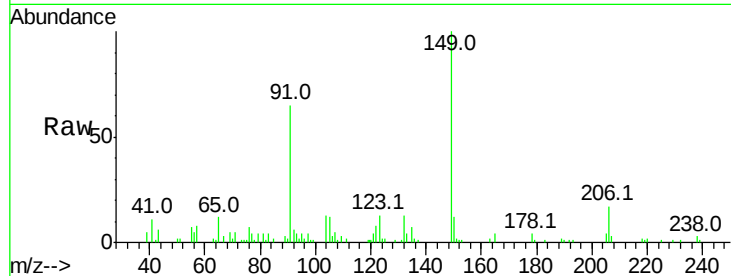




#79
Butylbenzylphthalate
Concen: 5.90 ng
RT: 17.67 min Scan# 2734
Delta R.T. -0.02 min
Lab File: BF095721.D
Acq: 6 Jun 2017 21:36

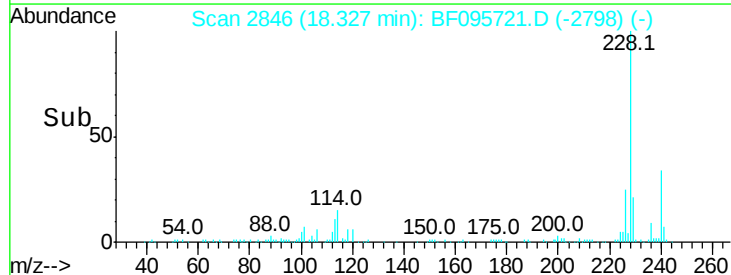
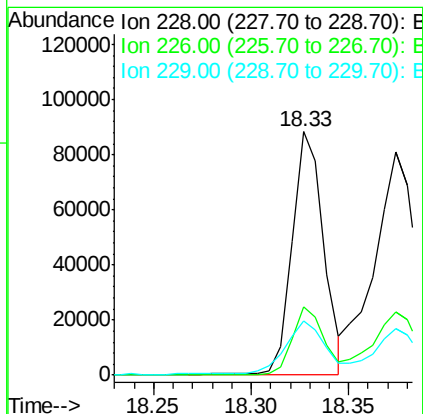
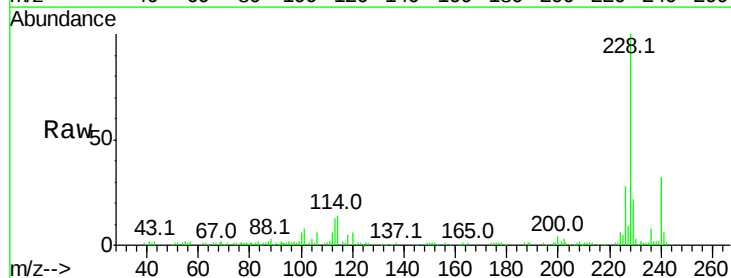
Instrument :
BNA_F
ClientSampleId :

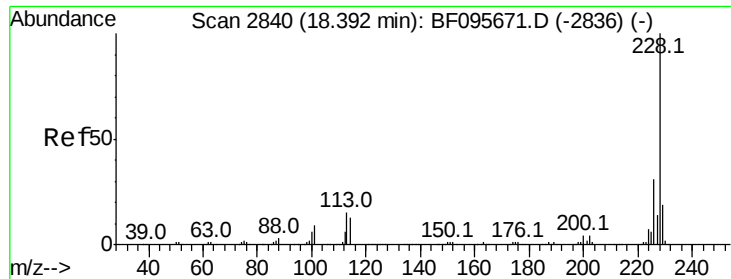
Tot Ion	Ratio	Lower	Upper
149	100		
91	65.2	45.0	67.4
206	17.5	17.0	25.6



#80
Benzo(a)anthracene
Concen: 9.63 ng
RT: 18.33 min Scan# 2846
Delta R.T. -0.02 min
Lab File: BF095721.D
Acq: 6 Jun 2017 21:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	22.1	16.3	24.5





#82

Chrysene

Concen: 11.76 ng

RT: 18.37 min Scan# 2854

Delta R.T. -0.02 min

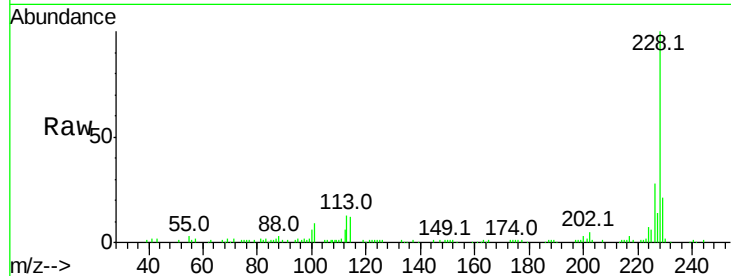
Lab File: BF095721.D

Acq: 6 Jun 2017 21:36

Instrument :

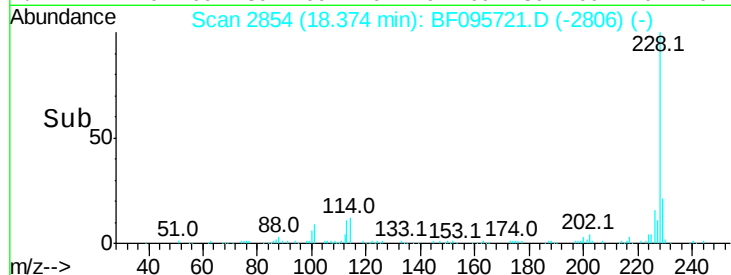
BNA_F

ClientSampleId :



Tot Ion:228 Resp: 120226

Ion	Ratio	Lower	Upper
228	100		
226	28.1	24.9	37.3
229	20.5	15.8	23.6

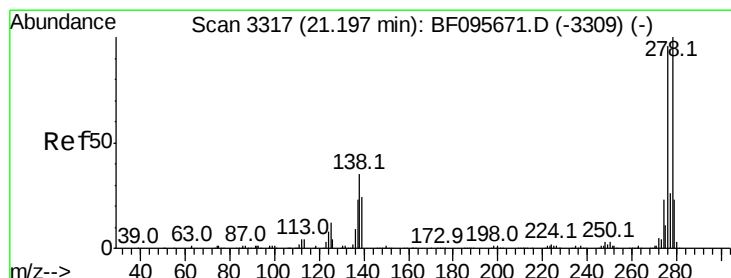
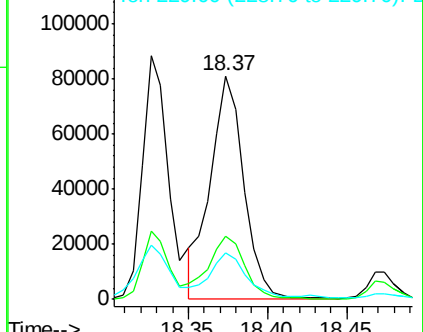


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.43 ng

RT: 21.19 min Scan# 3333

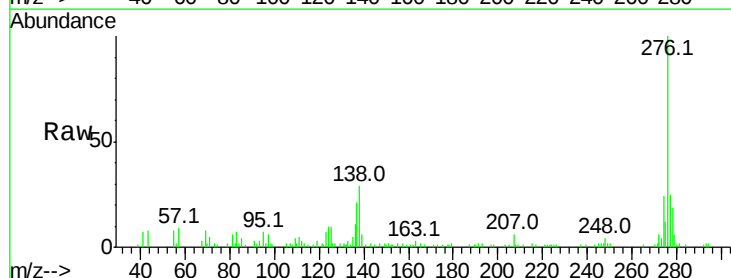
Delta R.T. -0.01 min

Lab File: BF095721.D

Acq: 6 Jun 2017 21:36

Tgt Ion:276 Resp: 56259

Ion	Ratio	Lower	Upper
276	100		
138	28.0	27.8	41.6
277	23.3	20.2	30.4

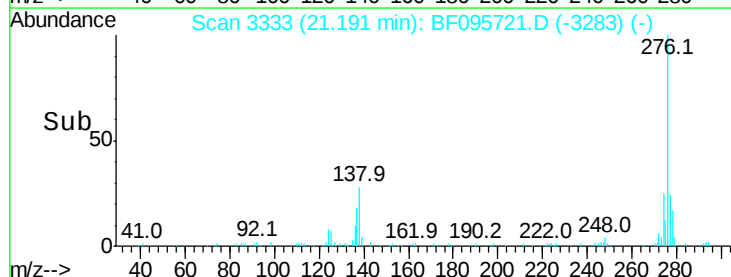
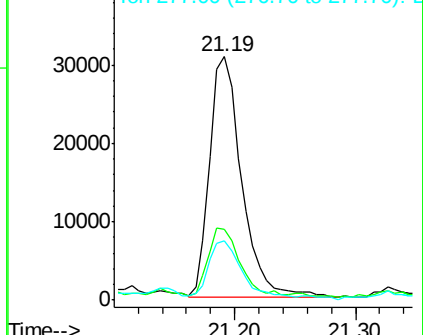


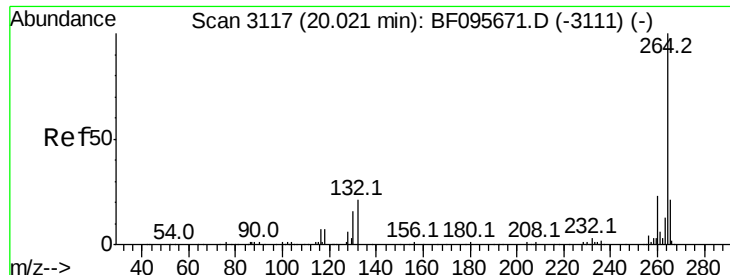
Abundance

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

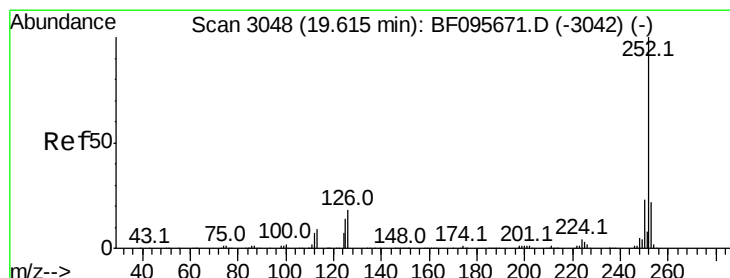
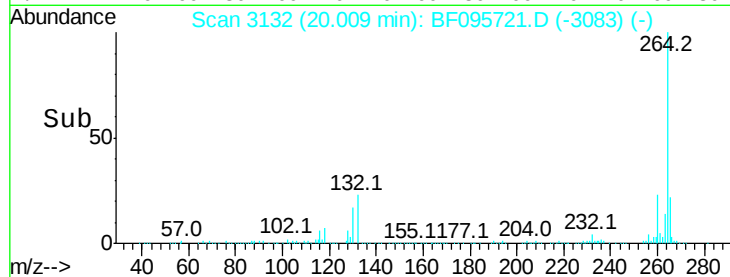
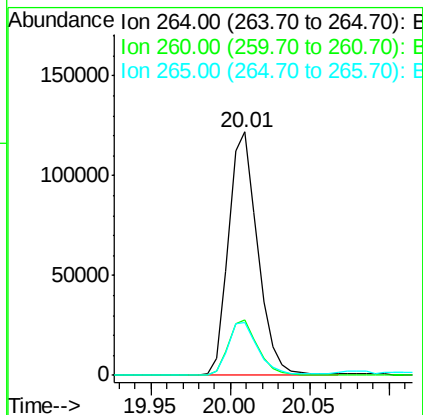
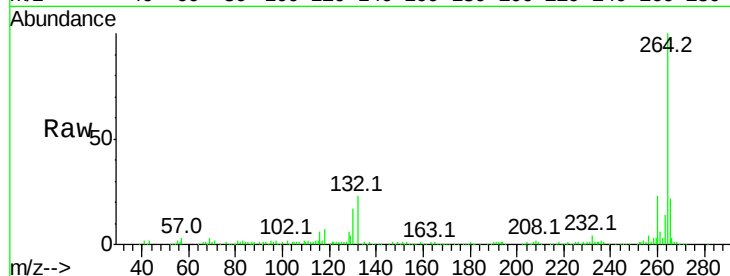




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.01 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095721.D
Acq: 6 Jun 2017 21:36

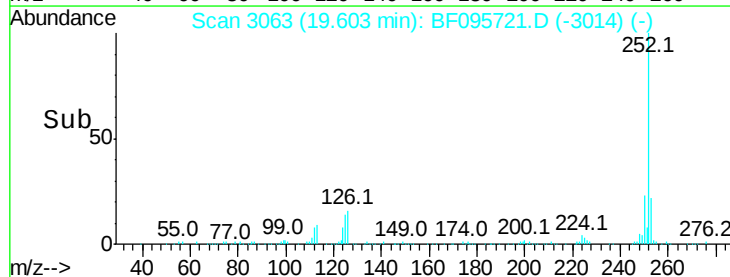
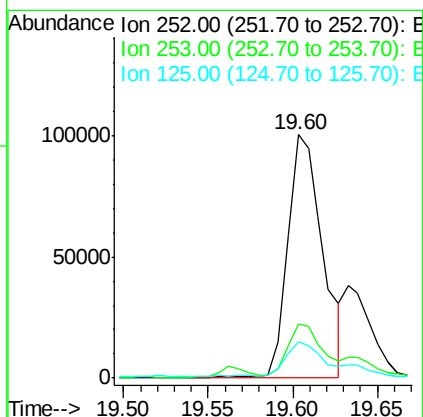
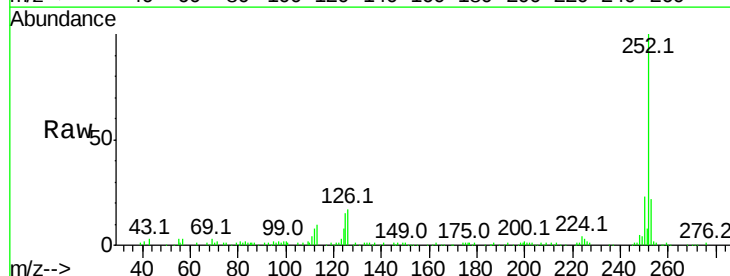
Instrument :
BNA_F
ClientSampleId :

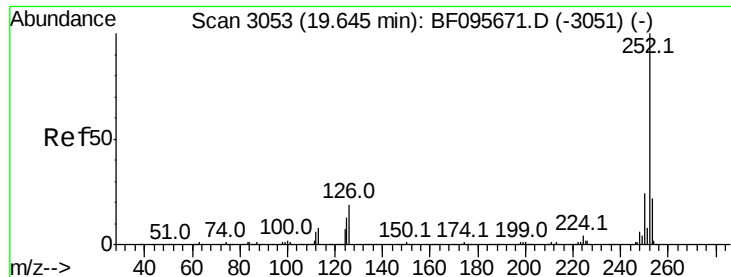
Tot Ion:264 Resp: 155748
Ion Ratio Lower Upper
264 100
260 22.8 19.5 29.3
265 21.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 14.79 ng
RT: 19.60 min Scan# 3063
Delta R.T. -0.01 min
Lab File: BF095721.D
Acq: 6 Jun 2017 21:36

Tgt Ion:252 Resp: 144278
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 15.0 9.8 14.8#

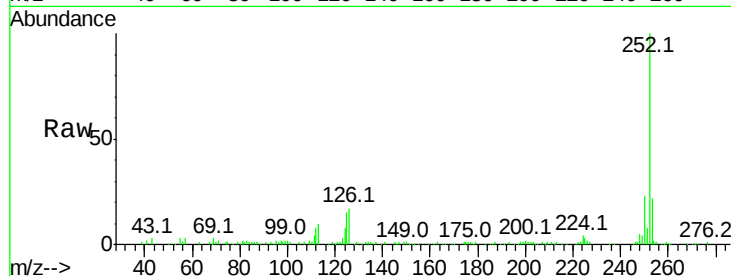




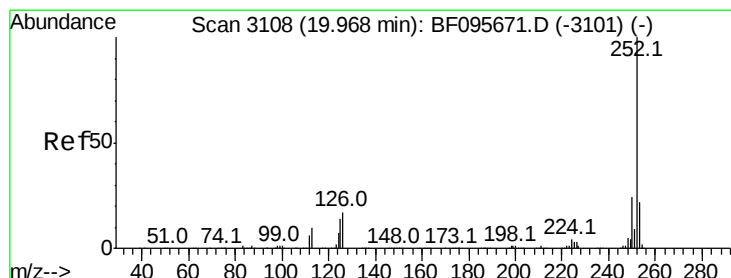
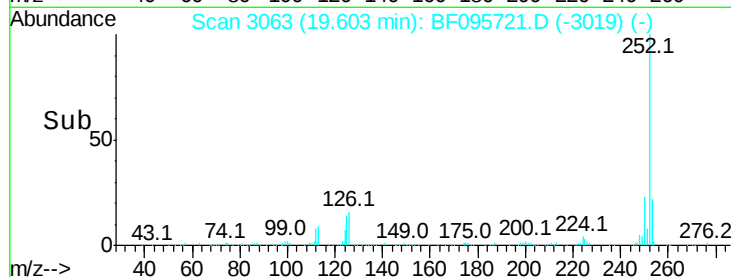
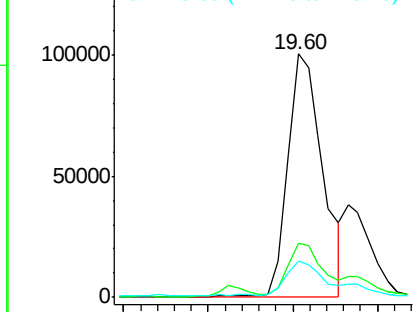
#88
Benzo(k)fluoranthene
Concen: 15.48 ng
RT: 19.60 min Scan# 3063
Delta R.T. -0.04 min
Lab File: BF095721.D
Acq: 6 Jun 2017 21:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 144278
Ion Ratio Lower Upper
252 100
253 22.3 18.4 27.6
125 15.0 13.1 19.7

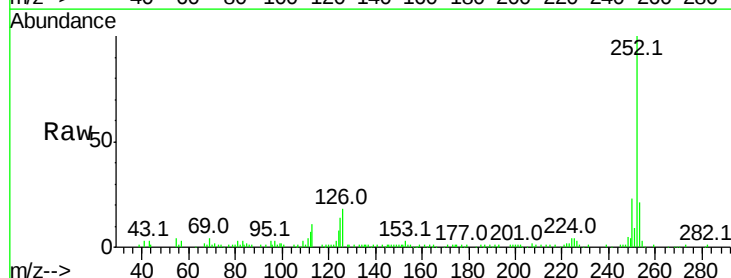


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

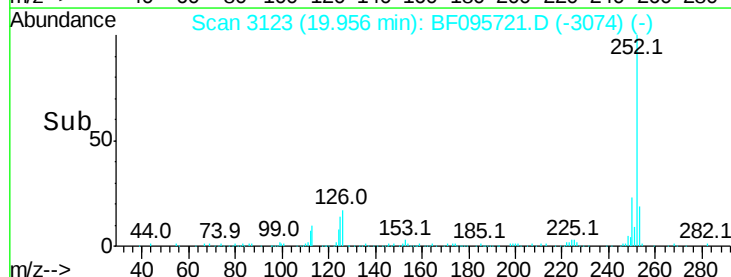
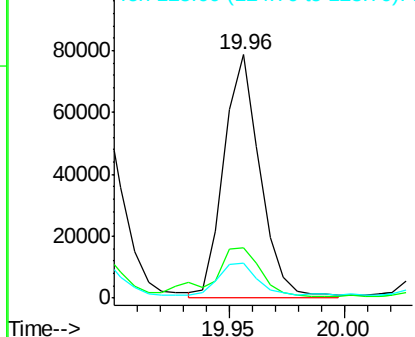


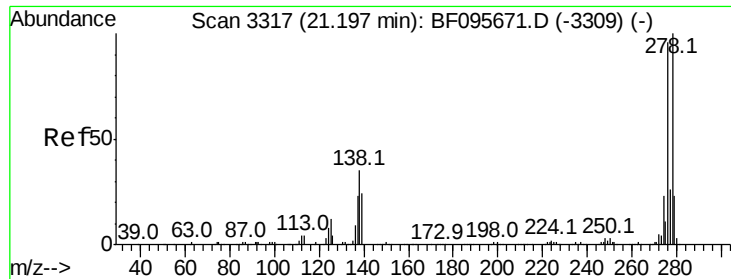
#89
Benzo(a)pyrene
Concen: 9.55 ng
RT: 19.96 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095721.D
Acq: 6 Jun 2017 21:36

Tgt Ion:252 Resp: 85646
Ion Ratio Lower Upper
252 100
253 20.9 17.5 26.3
125 14.5 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

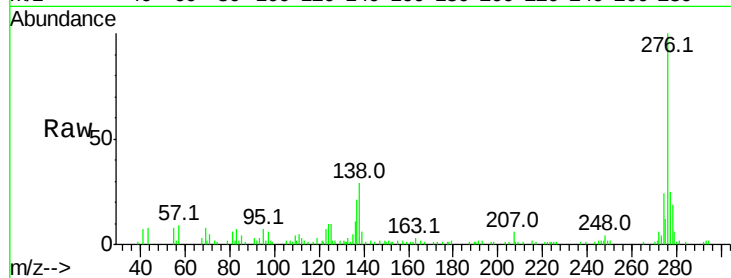




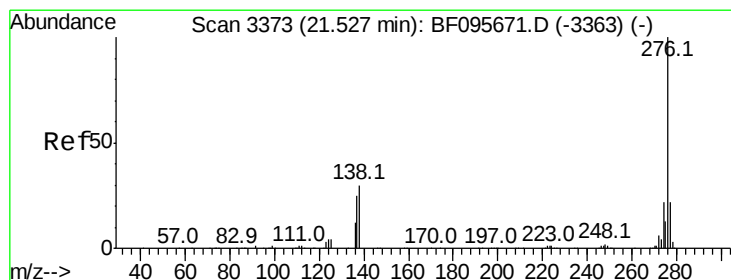
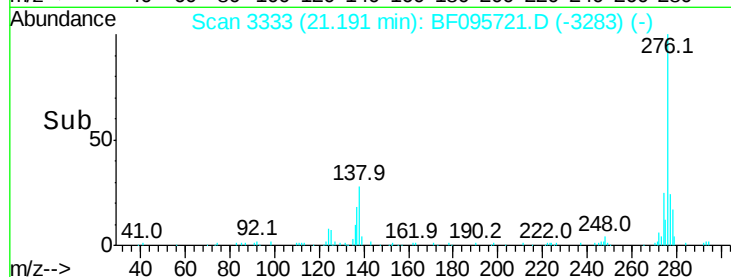
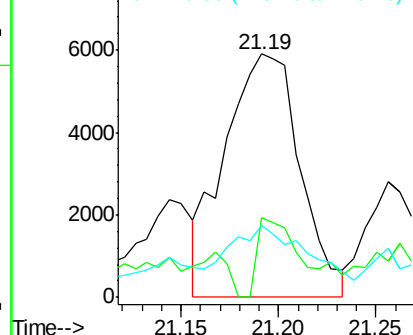
#90
Dibenzo(a,h)anthracene
Concen: 2.09 ng
RT: 21.19 min Scan# 3333
Delta R.T. -0.01 min
Lab File: BF095721.D
Acq: 6 Jun 2017 21:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 15861
Ion Ratio Lower Upper
278 100
139 32.9 16.6 24.8#
279 29.7 19.3 28.9#

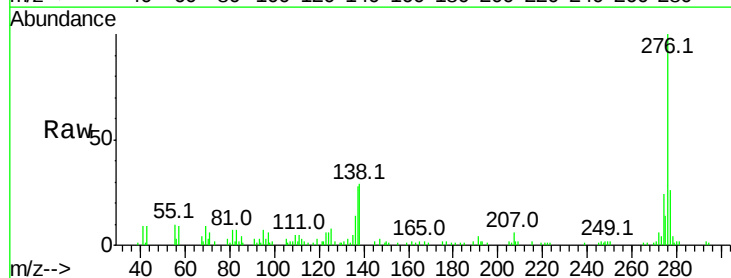


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 6.95 ng
RT: 21.52 min Scan# 3389
Delta R.T. -0.01 min
Lab File: BF095721.D
Acq: 6 Jun 2017 21:36

Tgt Ion:276 Resp: 53911
Ion Ratio Lower Upper
276 100
277 26.2 18.6 28.0
138 29.2 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

