

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060517\
 Data File : BF095693.D
 Acq On : 6 Jun 2017 1:54
 Operator : SJ/MA
 Sample : I3466-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 06 02:59:48 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

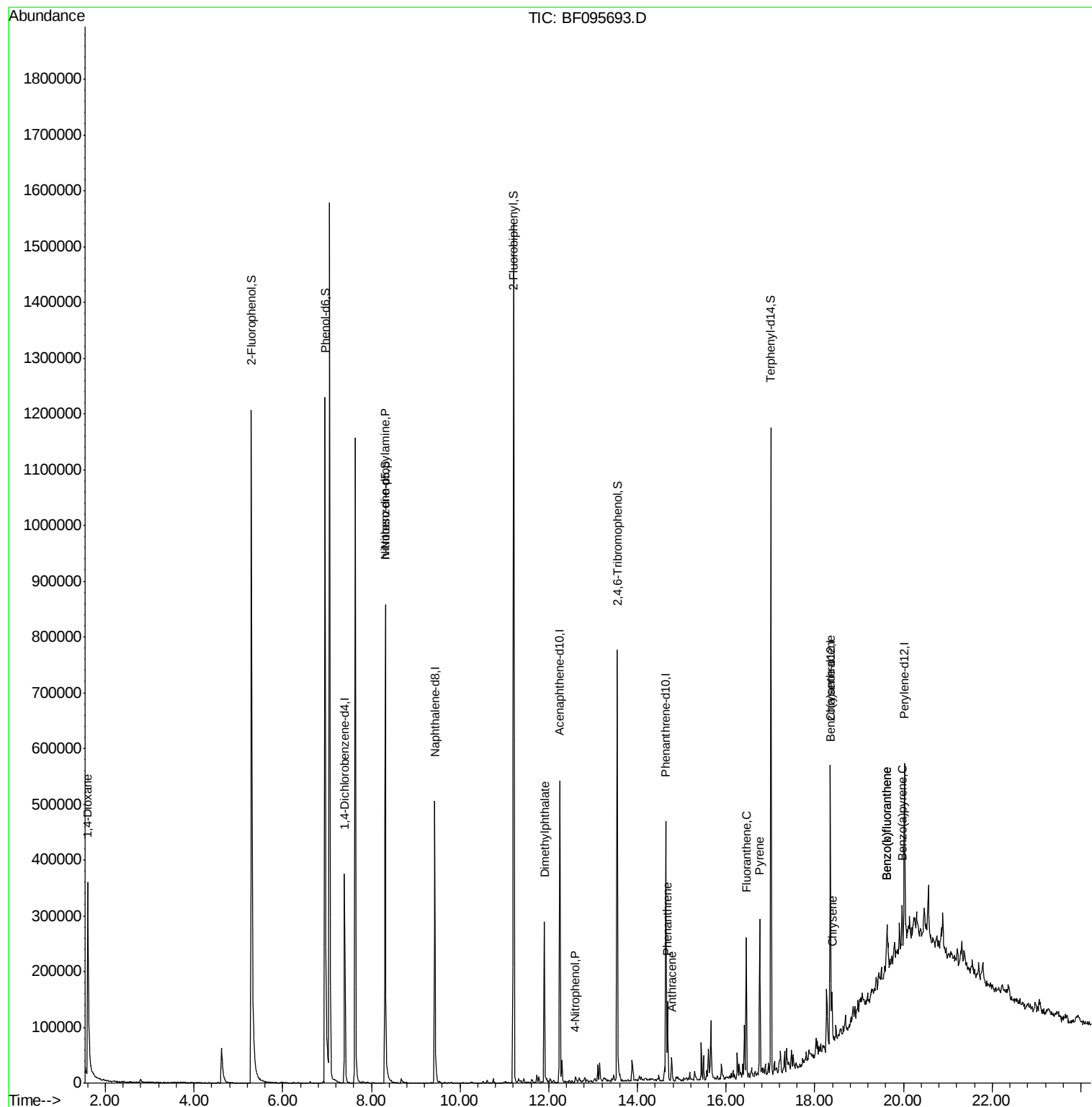
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	89645	20.00	ng	0.00
21) Naphthalene-d8	9.42	136	359695	20.00	ng	0.00
38) Acenaphthene-d10	12.25	164	153521	20.00	ng	0.00
63) Phenanthrene-d10	14.64	188	226041	20.00	ng	0.00
75) Chrysene-d12	18.35	240	181345	20.00	ng	0.00
86) Perylene-d12	20.02	264	138419	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	659980	117.31	ng	0.00
7) Phenol-d6	6.95	99	741842	110.15	ng	0.00
23) Nitrobenzene-d5	8.31	82	417379	72.06	ng	0.00
41) 2,4,6-Tribromophenol	13.54	330	121886	89.73	ng	0.00
44) 2-Fluorobiphenyl	11.21	172	705552	63.95	ng	0.00
78) Terphenyl-d14	17.01	244	417841	57.18	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.60	88	17659	6.60	ng	# 21
19) n-Nitroso-di-n-propylamine	8.31	70	52337	12.26	ng	# 75
49) Dimethylphthalate	11.90	163	170820	14.65	ng	99
55) 4-Nitrophenol	12.60	139	2441	5.96	ng	# 25
70) Phenanthrene	14.68	178	83425	6.40	ng	94
71) Anthracene	14.77	178	27761	2.04	ng	97
74) Fluoranthene	16.45	202	104740	8.11	ng	98
77) Pyrene	16.76	202	114822	8.49	ng	97
80) Benzo(a)anthracene	18.34	228	49334	4.68	ng	96
82) Chrysene	18.39	228	46899	4.45	ng	96
87) Benzo(b)fluoranthene	19.62	252	55239	6.37	ng	# 88
88) Benzo(k)fluoranthene	19.62	252	55239	6.67	ng	# 92
89) Benzo(a)pyrene	19.97	252	30144	3.78	ng	# 93

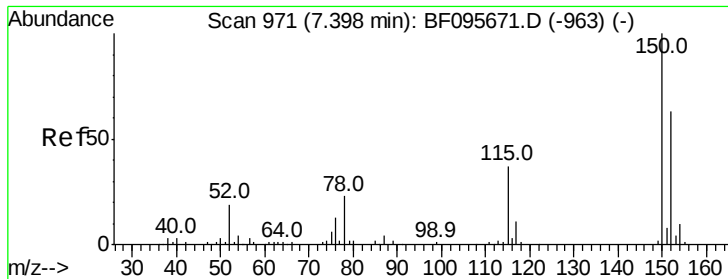
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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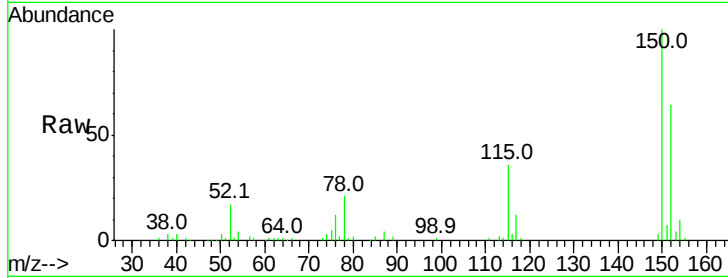


#1

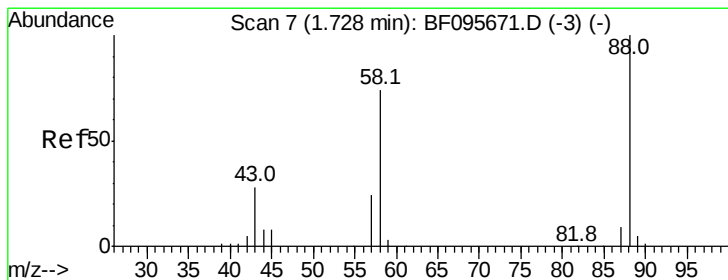
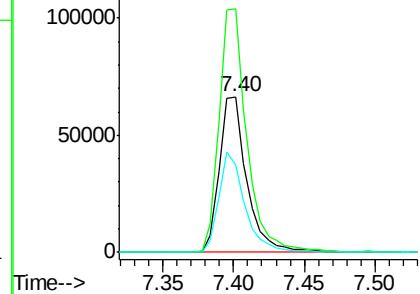
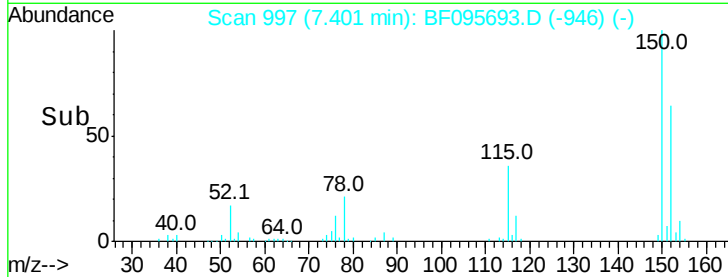
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.40 min Scan# 997
Delta R.T. 0.00 min
Lab File: BF095693.D
Acq: 6 Jun 2017 1:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	126.2	189.2
115	56.5	52.2	78.2



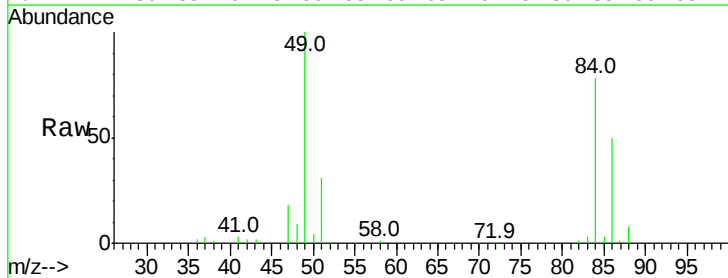
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



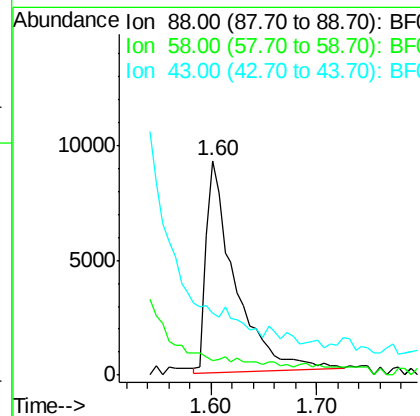
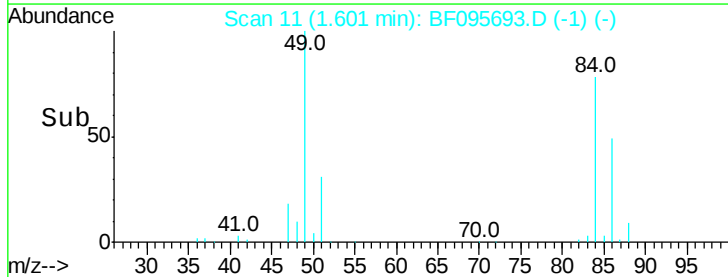
#2

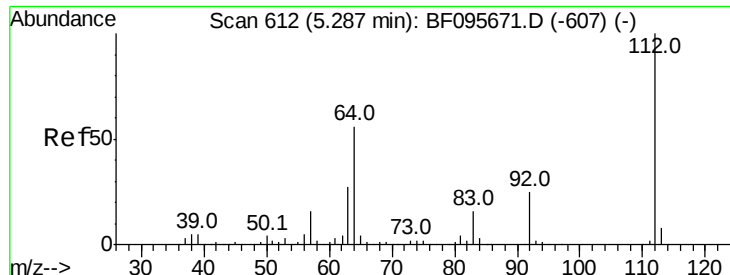
1,4-Dioxane
Concen: 6.60 ng
RT: 1.60 min Scan# 11
Delta R.T. -0.13 min
Lab File: BF095693.D
Acq: 6 Jun 2017 1:54

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	61.4	92.0#
43	0.0	23.4	35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 117.31 ng

RT: 5.30 min Scan# 639

Delta R.T. 0.01 min

Lab File: BF095693.D

Acq: 6 Jun 2017 1:54

Instrument :
BNA_F
ClientSampled :

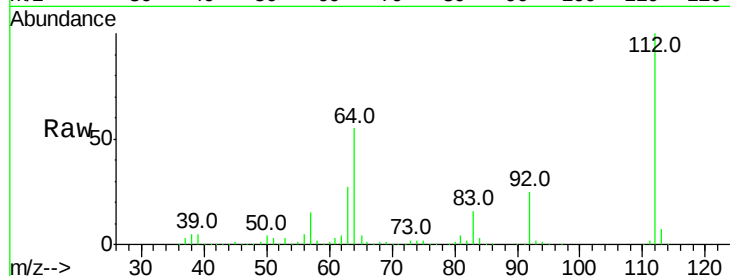
Tot Ion:112 Resp: 659980

Ion Ratio Lower Upper

112 100

64 54.6 46.0 69.0

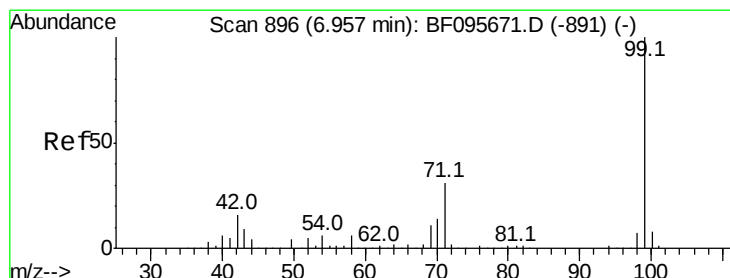
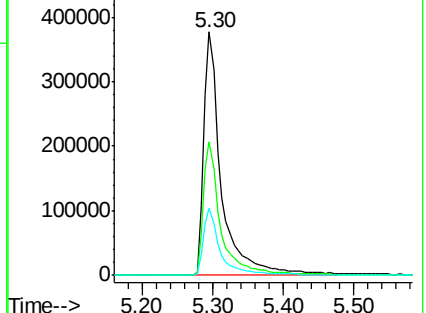
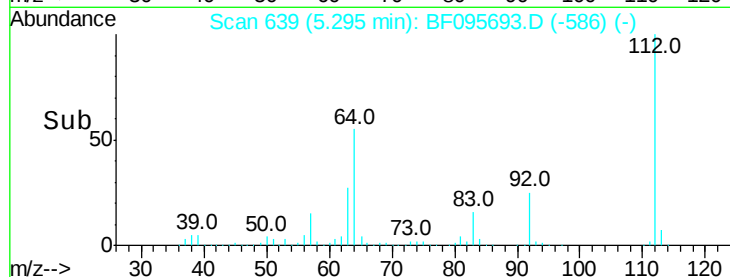
63 27.3 23.4 35.0



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: 110.15 ng

RT: 6.95 min Scan# 921

Delta R.T. -0.00 min

Lab File: BF095693.D

Acq: 6 Jun 2017 1:54

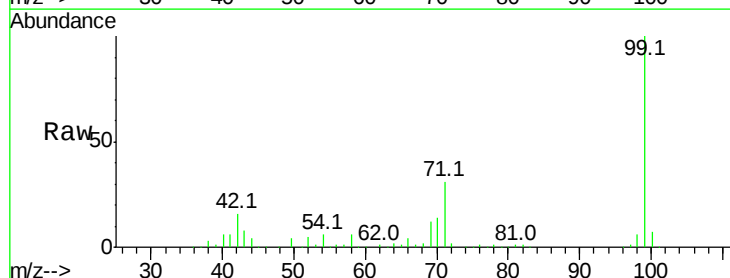
Tgt Ion: 99 Resp: 741842

Ion Ratio Lower Upper

99 100

42 15.7 13.5 20.3

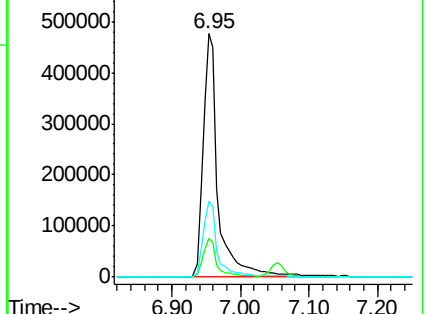
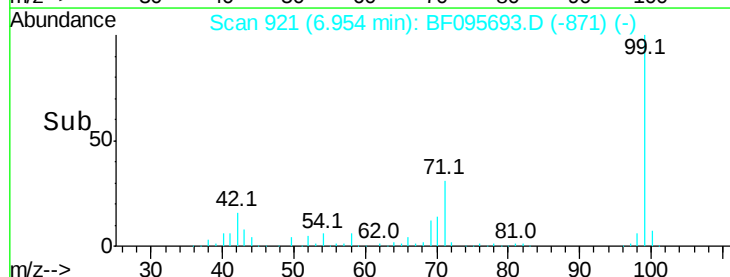
71 31.1 24.5 36.7

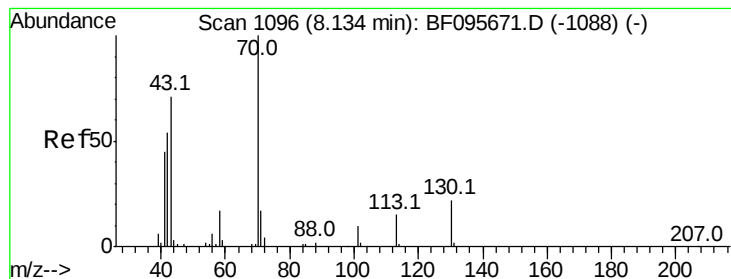


Abundance Ion 99.00 (98.70 to 99.70): BF0

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: 12.26 ng

RT: 8.31 min Scan# 1152

Delta R.T. 0.18 min

Lab File: BF095693.D

Acq: 6 Jun 2017 1:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 52337

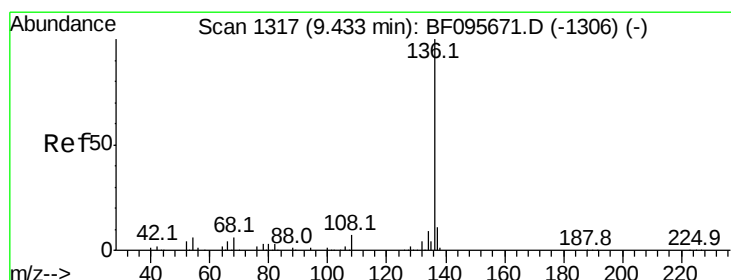
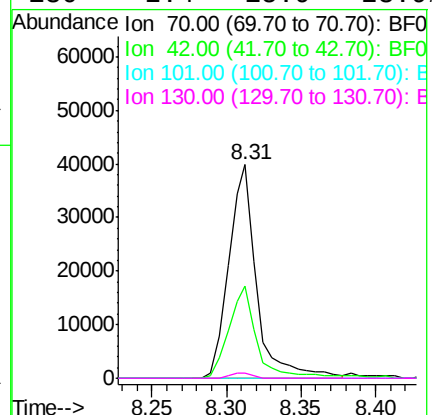
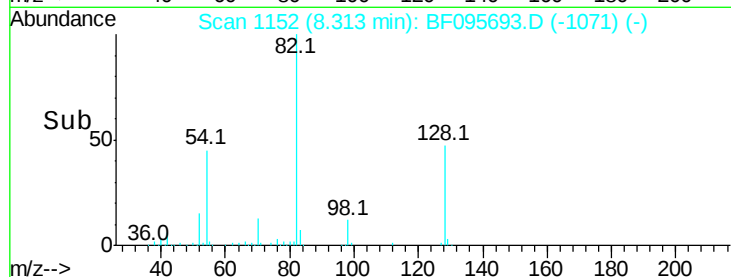
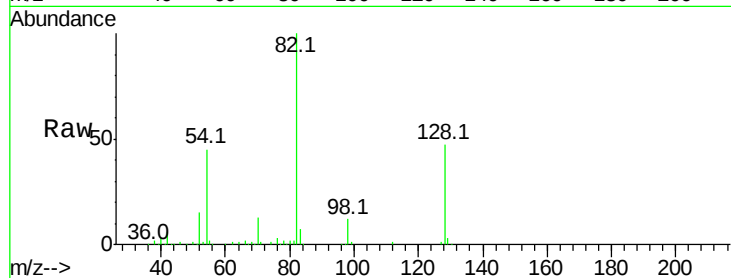
Ion Ratio Lower Upper

70 100

42 43.2 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: 9.42 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BF095693.D

Acq: 6 Jun 2017 1:54

Tgt Ion: 136 Resp: 359695

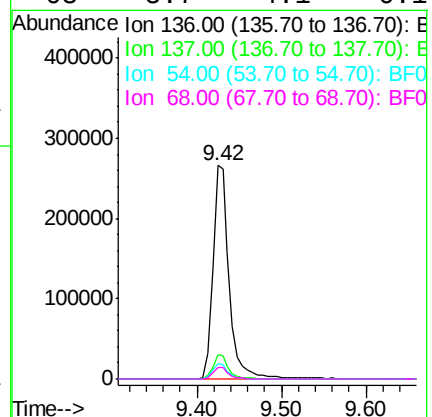
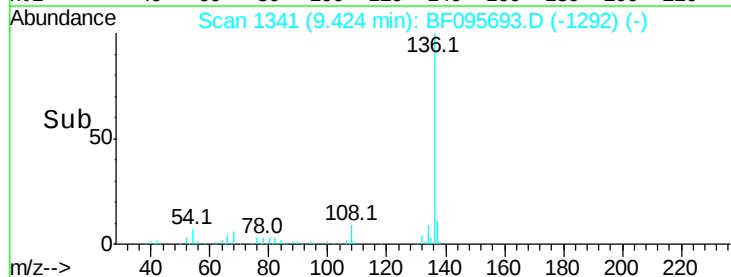
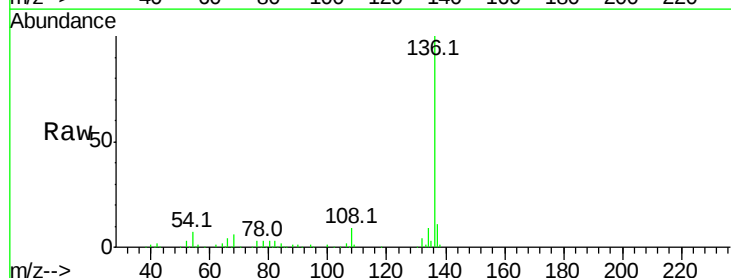
Ion Ratio Lower Upper

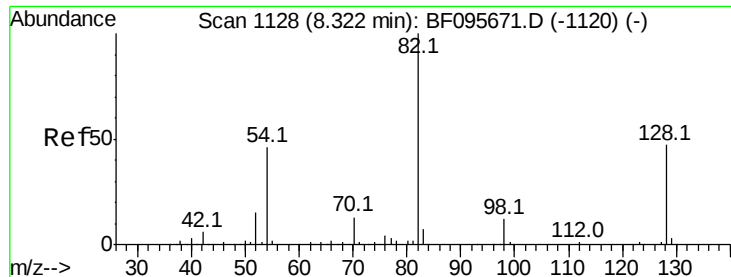
136 100

137 11.4 8.5 12.7

54 7.4 4.9 7.3#

68 5.7 4.1 6.1

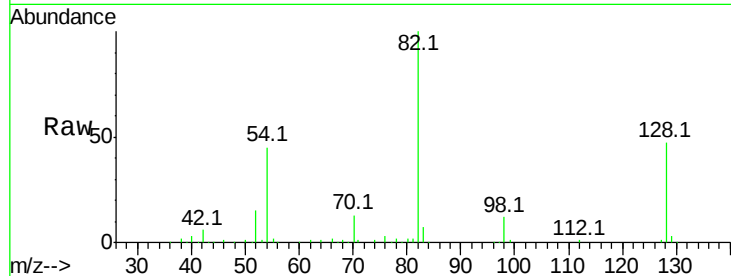




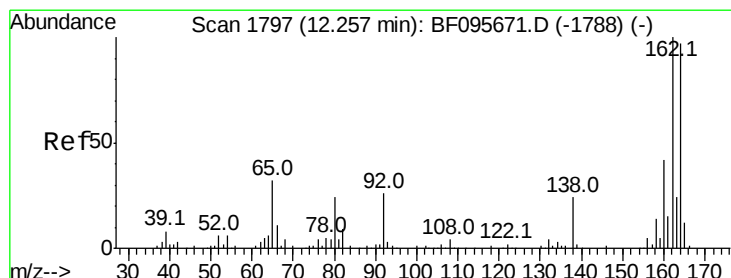
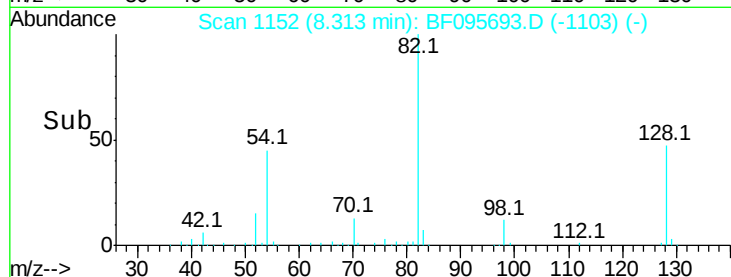
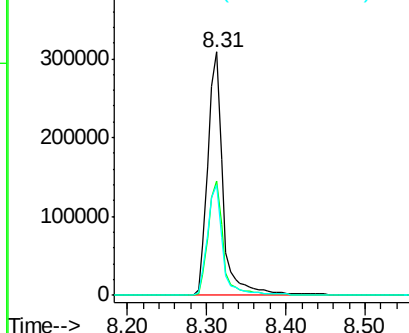
#23
Nitrobenzene-d5
Concen: 72.06 ng
RT: 8.31 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BF095693.D
Acq: 6 Jun 2017 1:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 417379
Ion Ratio Lower Upper
82 100
128 46.9 34.0 51.0
54 45.3 42.2 63.2

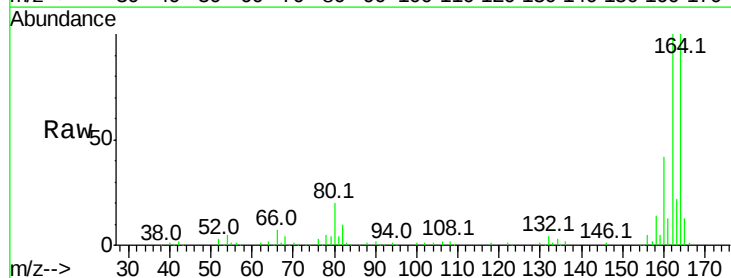


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

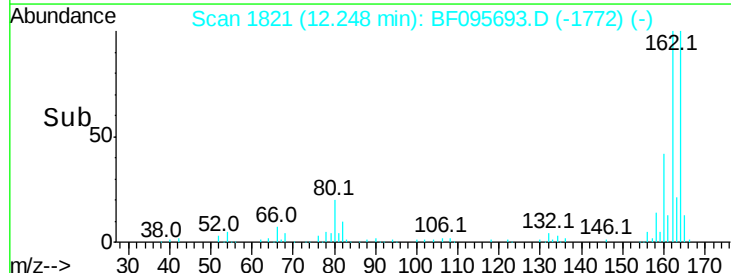
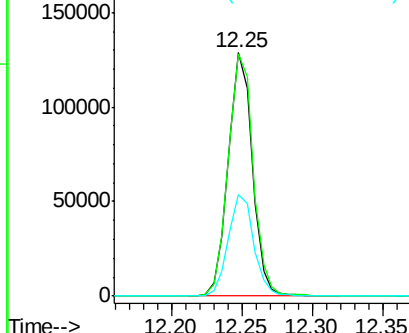


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.25 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF095693.D
Acq: 6 Jun 2017 1:54

Tgt Ion:164 Resp: 153521
Ion Ratio Lower Upper
164 100
162 99.6 82.6 123.8
160 41.9 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

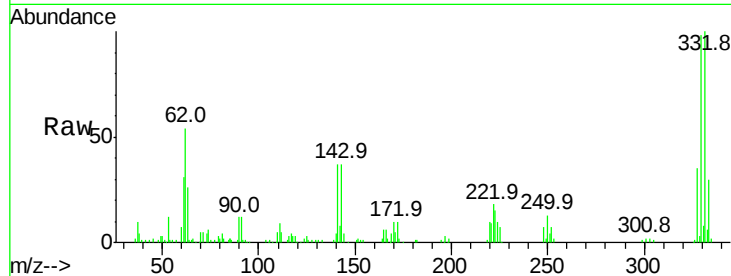




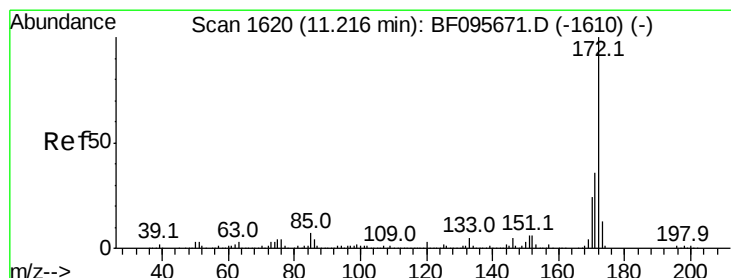
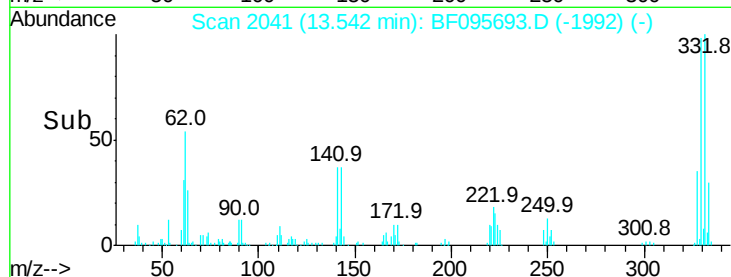
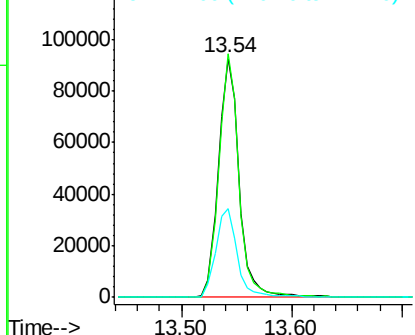
#41
 2,4,6-Tribromophenol
 Concen: 89.73 ng
 RT: 13.54 min Scan# 2041
 Delta R.T. -0.01 min
 Lab File: BF095693.D
 Acq: 6 Jun 2017 1:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 121886
 Ion Ratio Lower Upper
 330 100
 332 98.3 76.6 115.0
 141 38.5 31.4 47.2

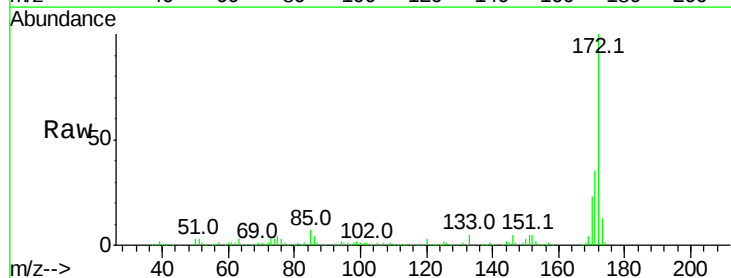


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

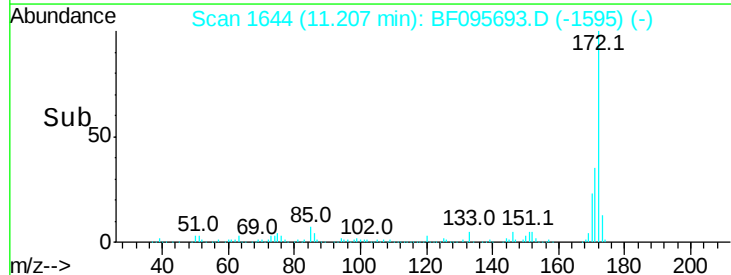
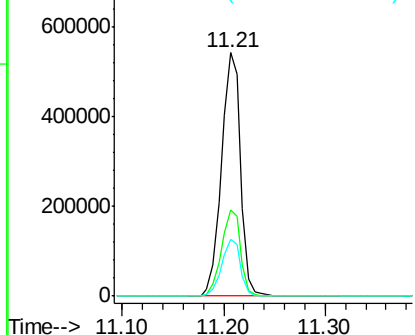


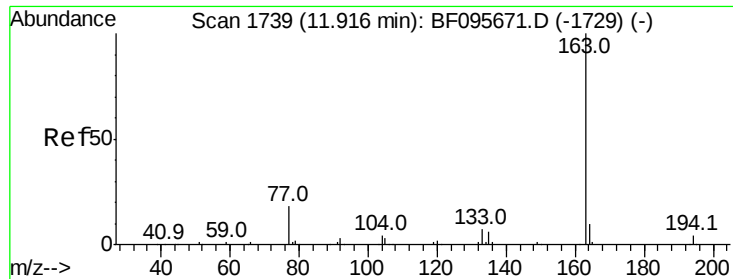
#44
 2-Fluorobiphenyl
 Concen: 63.95 ng
 RT: 11.21 min Scan# 1644
 Delta R.T. -0.01 min
 Lab File: BF095693.D
 Acq: 6 Jun 2017 1:54

Tgt Ion:172 Resp: 705552
 Ion Ratio Lower Upper
 172 100
 171 35.4 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

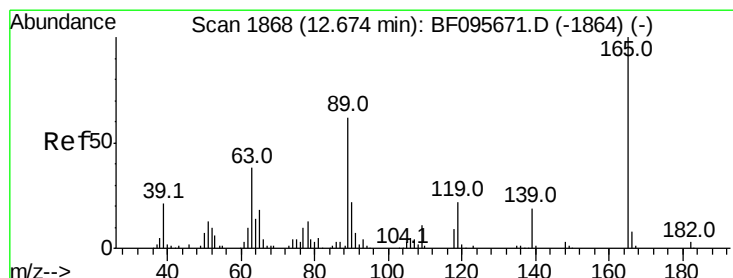
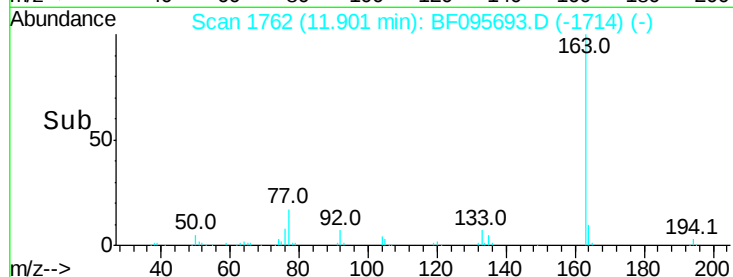
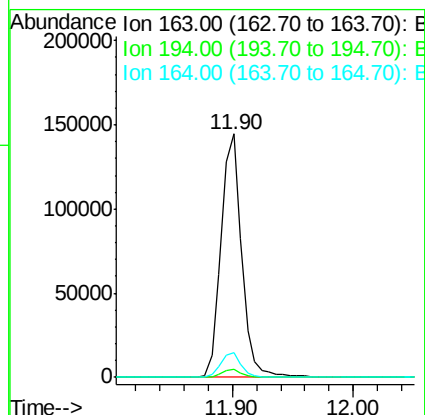
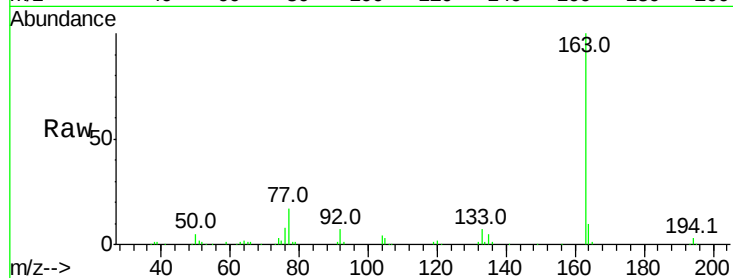




#49
Dimethylphthalate
Concen: 14.65 ng
RT: 11.90 min Scan# 1762
Delta R.T. -0.01 min
Lab File: BF095693.D
Acq: 6 Jun 2017 1:54

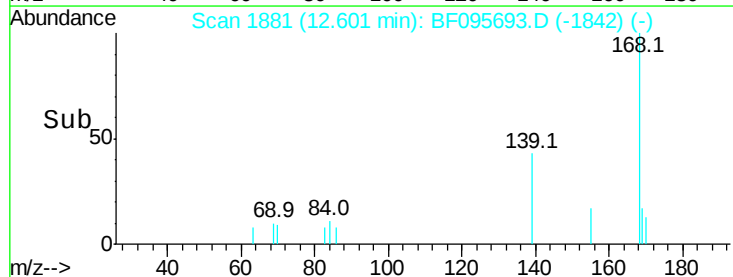
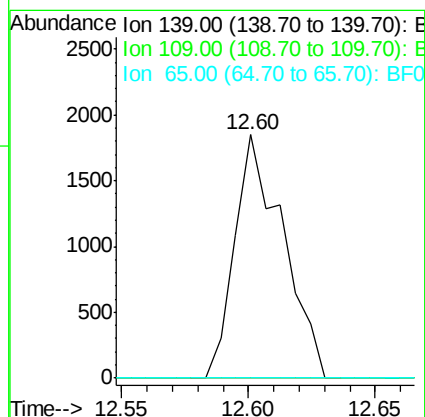
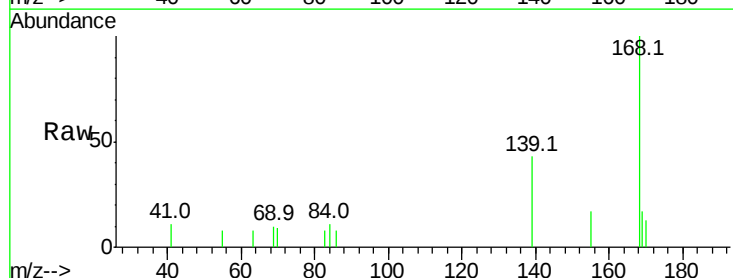
Instrument :
BNA_F
ClientSampleId :

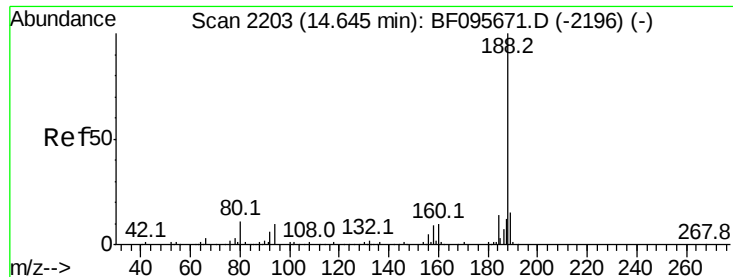
Tot Ion:163 Resp: 170820
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.1 8.4 12.6



#55
4-Nitrophenol
Concen: 5.96 ng
RT: 12.60 min Scan# 1881
Delta R.T. -0.07 min
Lab File: BF095693.D
Acq: 6 Jun 2017 1:54

Tgt Ion:139 Resp: 2441
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

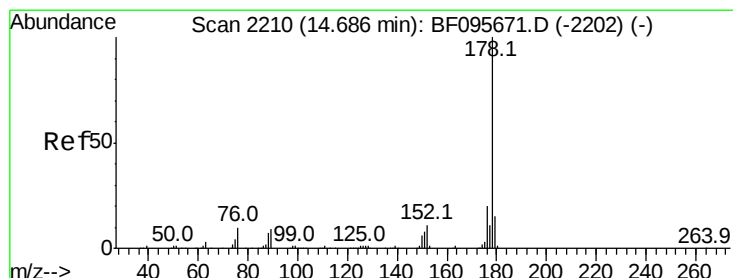
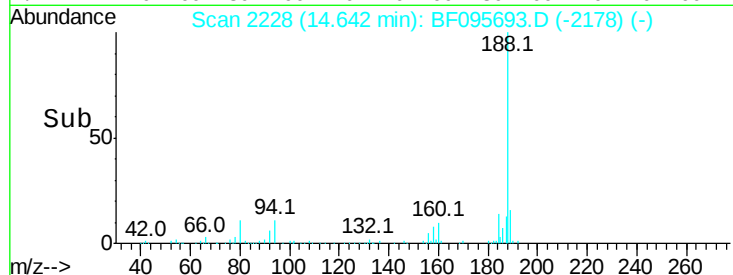
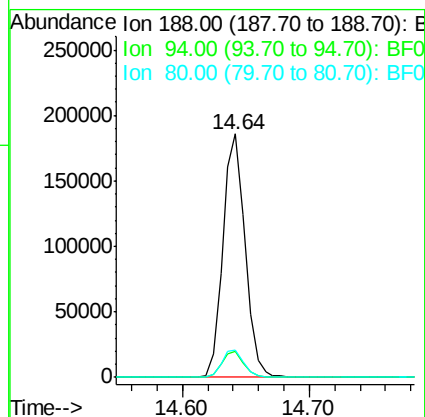
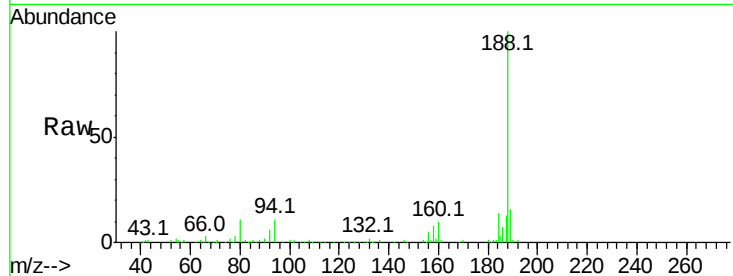




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.64 min Scan# 2228
Delta R.T. -0.00 min
Lab File: BF095693.D
Acq: 6 Jun 2017 1:54

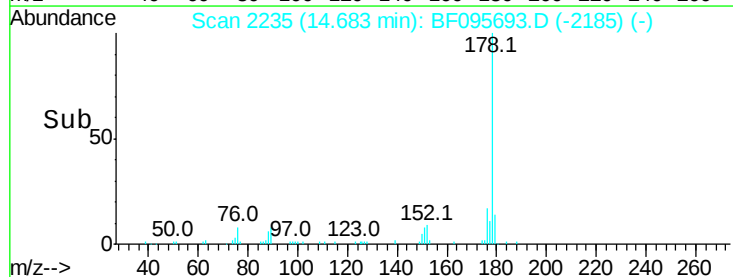
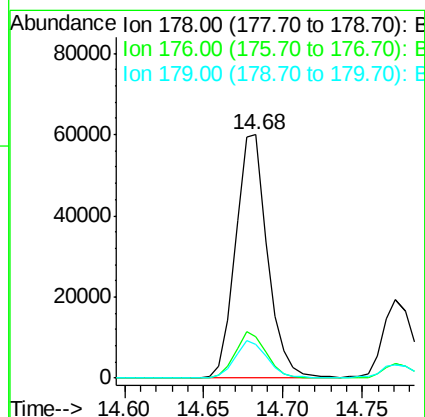
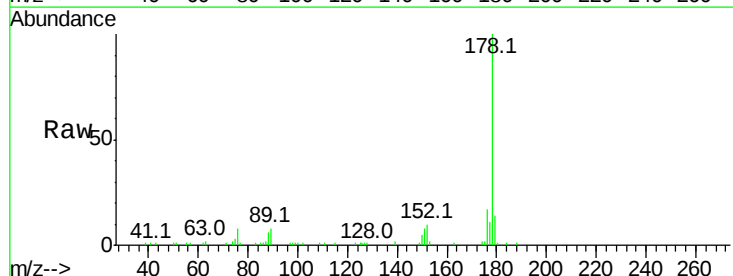
Instrument :
BNA_F
ClientSampleId :

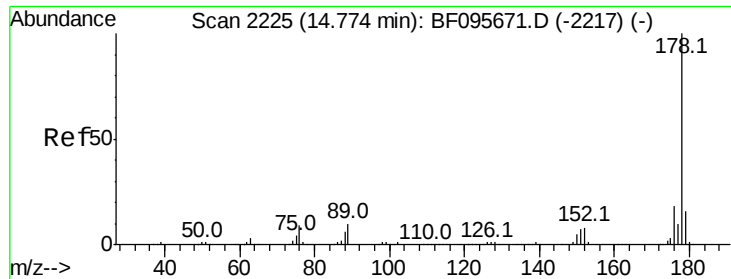
Tot Ion:188 Resp: 226041
Ion Ratio Lower Upper
188 100
94 10.7 9.4 14.2
80 11.4 10.2 15.2



#70
Phenanthrene
Concen: 6.40 ng
RT: 14.68 min Scan# 2235
Delta R.T. -0.00 min
Lab File: BF095693.D
Acq: 6 Jun 2017 1:54

Tgt Ion:178 Resp: 83425
Ion Ratio Lower Upper
178 100
176 17.2 16.2 24.4
179 13.9 12.6 19.0

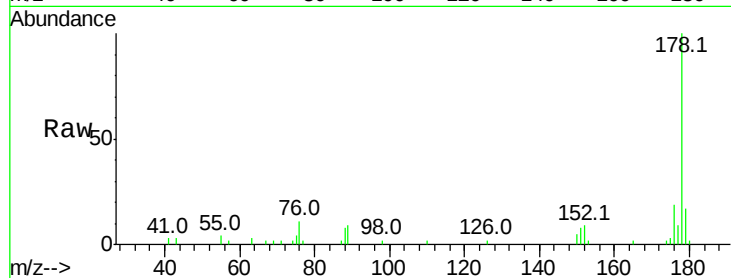




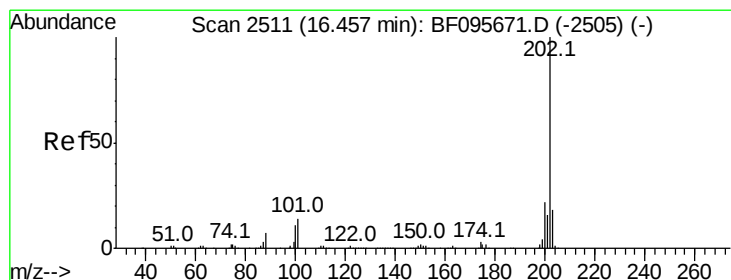
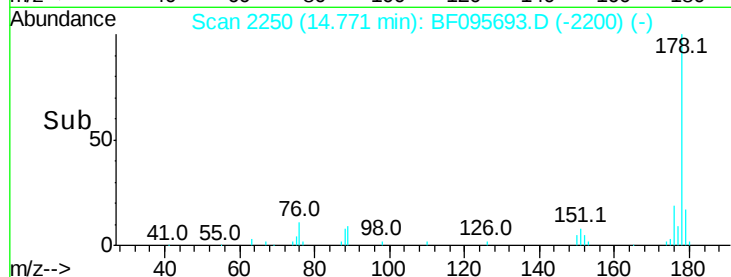
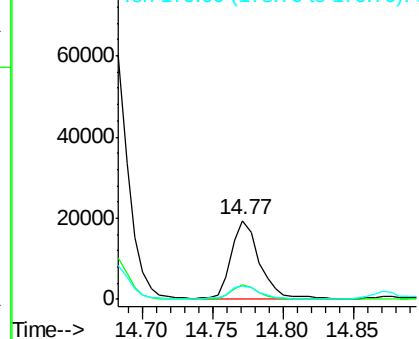
#71
 Anthracene
 Concen: 2.04 ng
 RT: 14.77 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: BF095693.D
 Acq: 6 Jun 2017 1:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 27761
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.8 23.8
 179 17.1 12.7 19.1

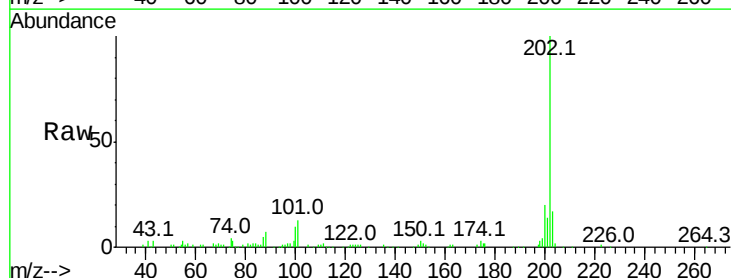


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

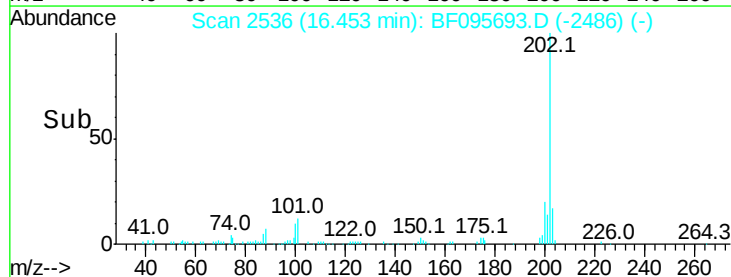
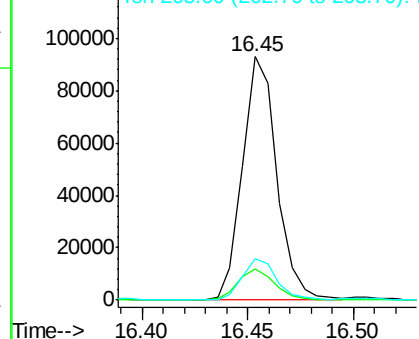


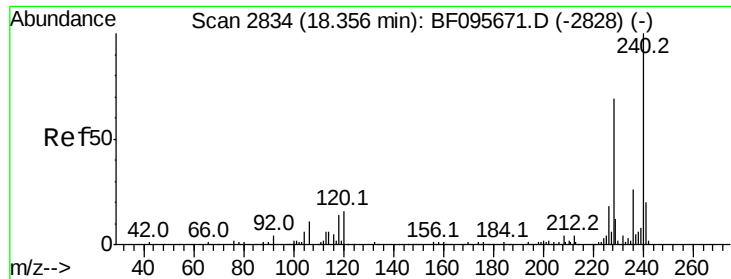
#74
 Fluoranthene
 Concen: 8.11 ng
 RT: 16.45 min Scan# 2536
 Delta R.T. -0.00 min
 Lab File: BF095693.D
 Acq: 6 Jun 2017 1:54

Tgt Ion:202 Resp: 104740
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 33.2
 203 17.2 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# 2859

Delta R.T. -0.00 min

Lab File: BF095693.D

Acq: 6 Jun 2017 1:54

Instrument :

BNA_F

ClientSampleId :

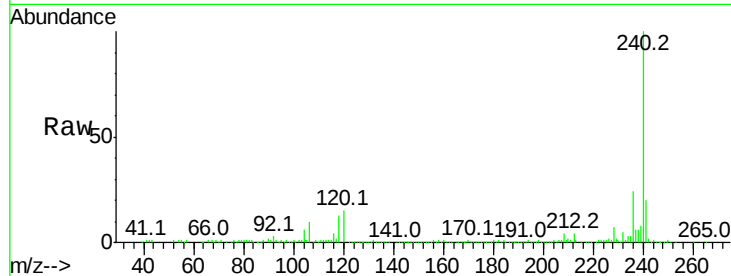
Tot Ion:240 Resp: 181345

Ion Ratio Lower Upper

240 100

120 15.5 5.8 8.8#

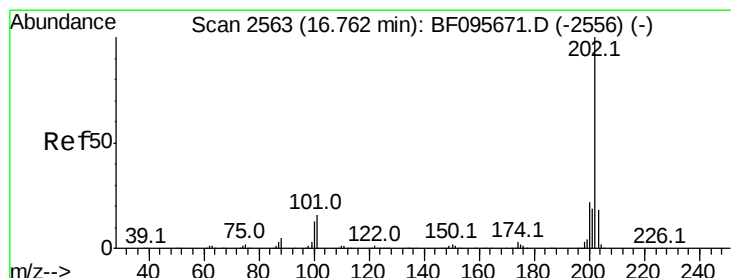
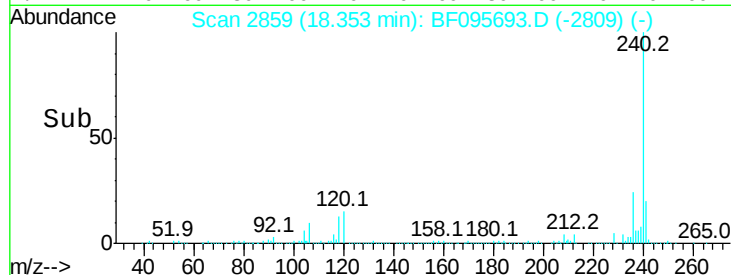
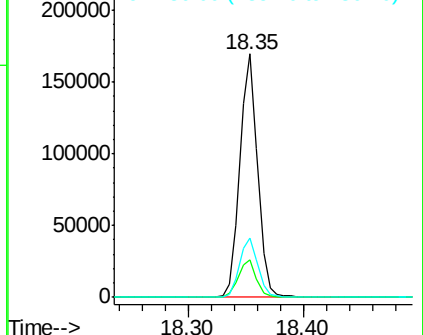
236 24.4 20.5 30.7



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: 8.49 ng

RT: 16.76 min Scan# 2588

Delta R.T. -0.00 min

Lab File: BF095693.D

Acq: 6 Jun 2017 1:54

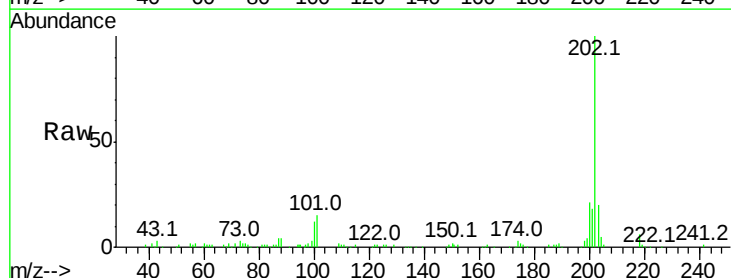
Tgt Ion:202 Resp: 114822

Ion Ratio Lower Upper

202 100

200 20.6 17.6 26.4

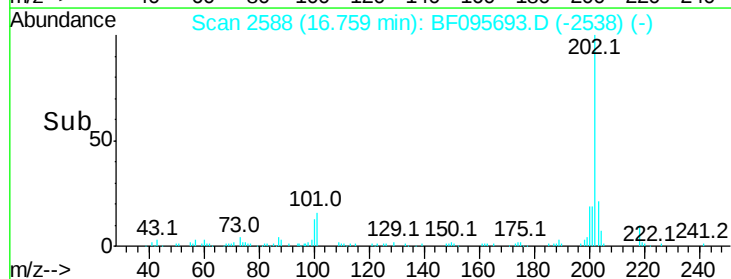
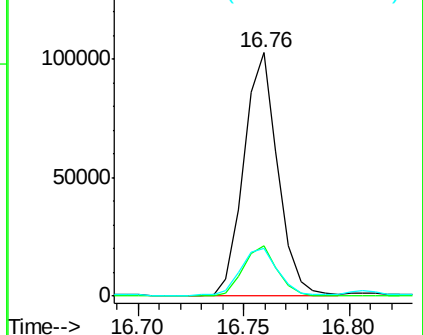
203 19.6 14.4 21.6

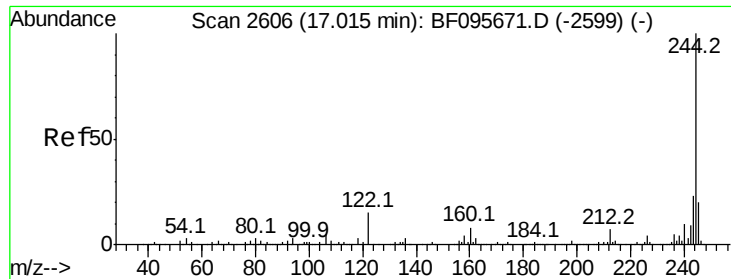


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

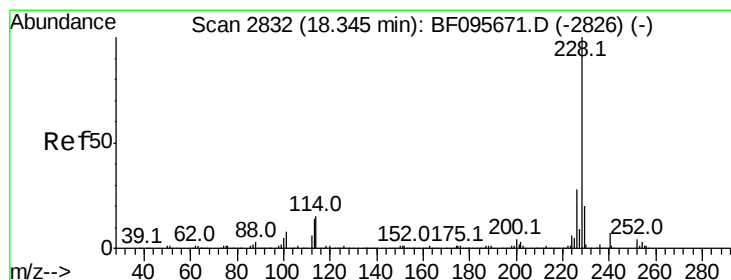
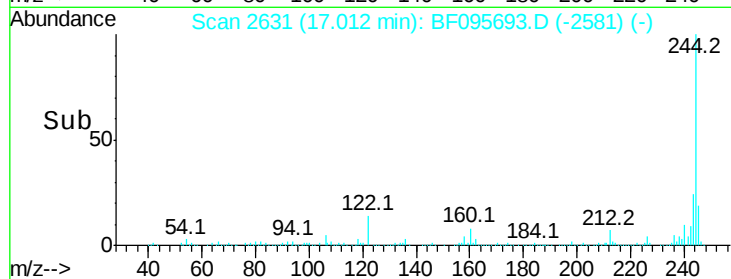
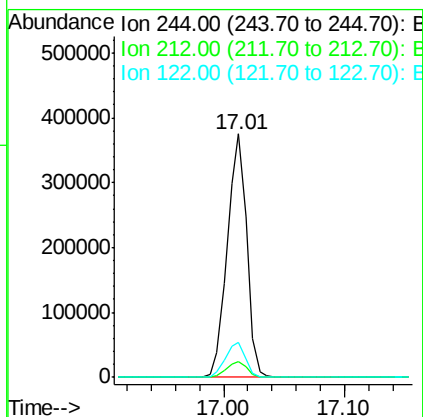
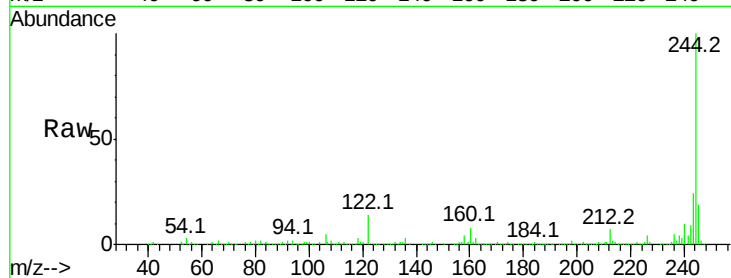




#78
 Terphenyl-d14
 Concen: 57.18 ng
 RT: 17.01 min Scan# 2631
 Delta R.T. -0.00 min
 Lab File: BF095693.D
 Acq: 6 Jun 2017 1:54

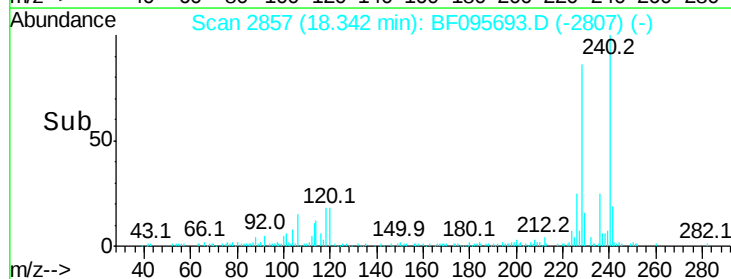
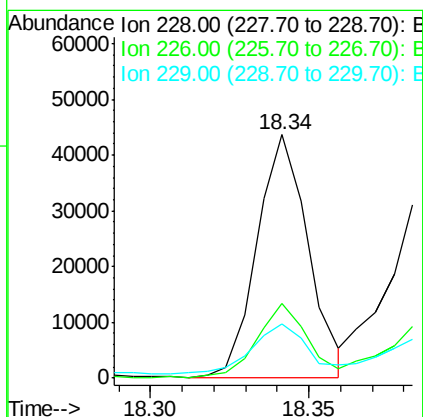
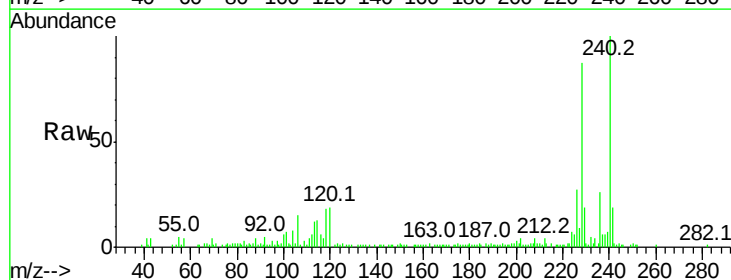
Instrument :
 BNA_F
 ClientSampled :

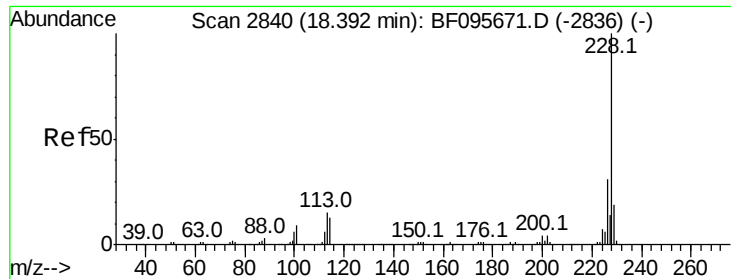
Tot Ion:244 Resp: 417841
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 14.5 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 4.68 ng
 RT: 18.34 min Scan# 2857
 Delta R.T. -0.00 min
 Lab File: BF095693.D
 Acq: 6 Jun 2017 1:54

Tgt Ion:228 Resp: 49334
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.6 33.8
 229 22.2 16.3 24.5





#82

Chrysene

Concen: 4.45 ng

RT: 18.39 min Scan# 2865

Delta R.T. -0.00 min

Lab File: BF095693.D

Acq: 6 Jun 2017 1:54

Instrument :

BNA_F

ClientSampled :

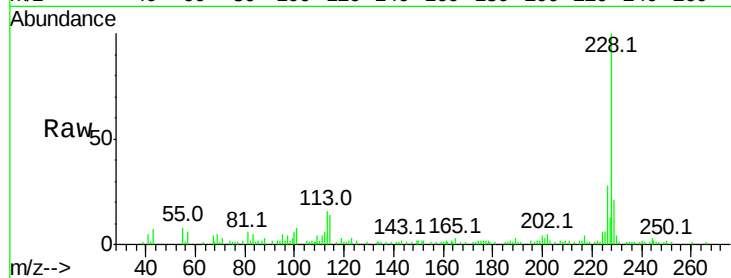
Tot Ion:228 Resp: 46899

Ion Ratio Lower Upper

228 100

226 28.3 24.9 37.3

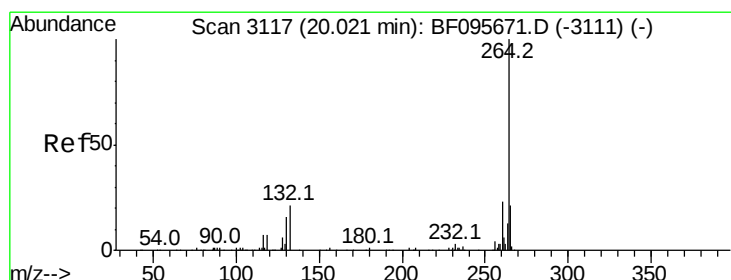
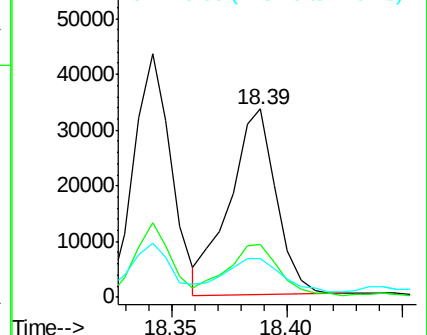
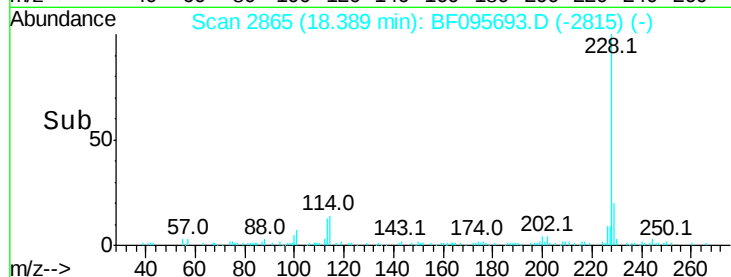
229 20.8 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.02 min Scan# 3142

Delta R.T. -0.00 min

Lab File: BF095693.D

Acq: 6 Jun 2017 1:54

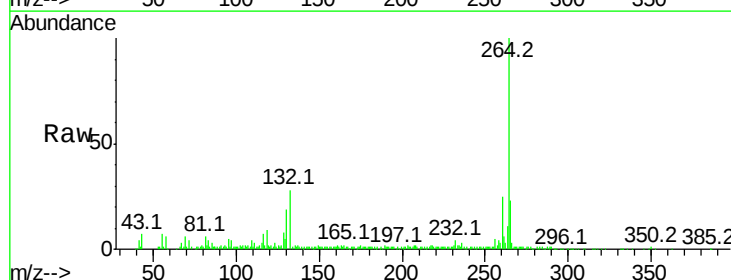
Tgt Ion:264 Resp: 138419

Ion Ratio Lower Upper

264 100

260 25.0 19.5 29.3

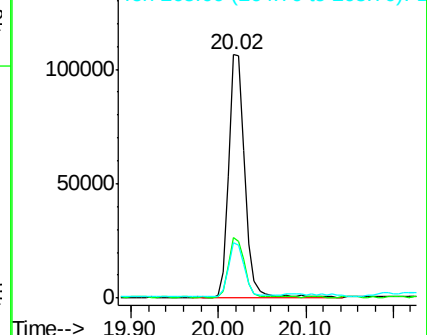
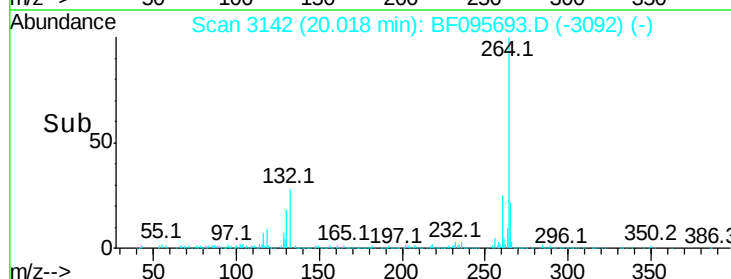
265 22.6 17.2 25.8

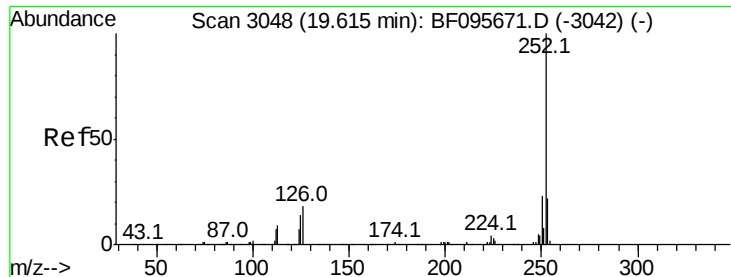


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

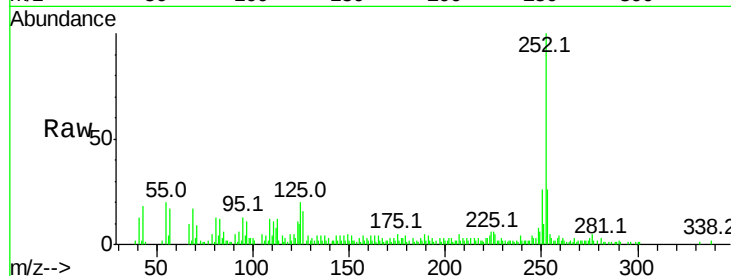




#87
Benzo(b)fluoranthene
Concen: 6.37 ng
RT: 19.62 min Scan# 3075
Delta R.T. 0.01 min
Lab File: BF095693.D
Acq: 6 Jun 2017 1:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.1	27.1
125	20.5	9.8	14.8

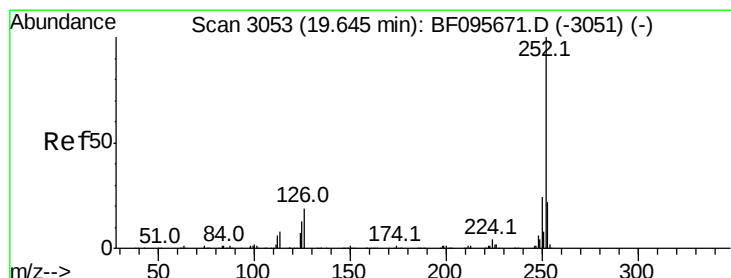
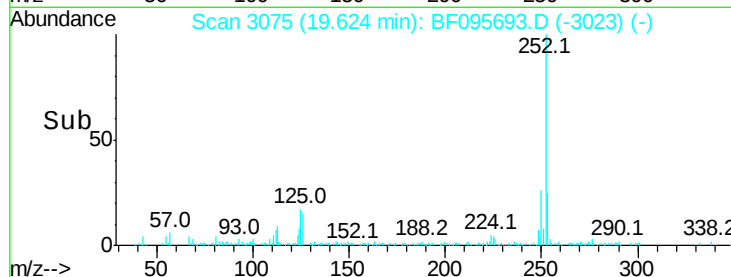
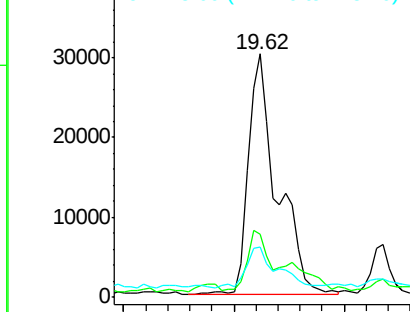


Abundance

Ion 252.00 (251.70 to 252.70): E

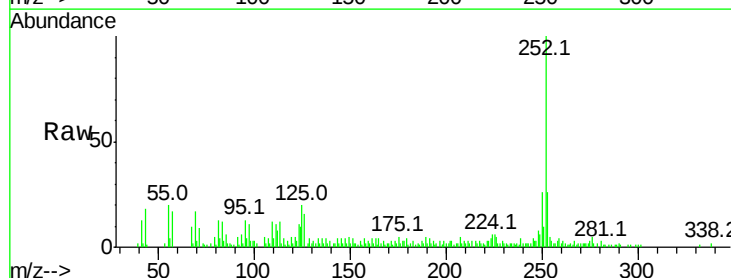
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 6.67 ng
RT: 19.62 min Scan# 3075
Delta R.T. -0.02 min
Lab File: BF095693.D
Acq: 6 Jun 2017 1:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.4	27.6
125	20.5	13.1	19.7

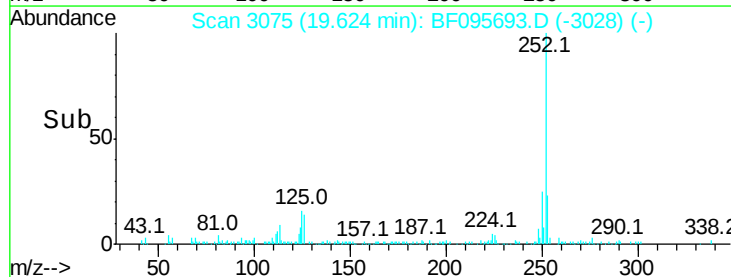
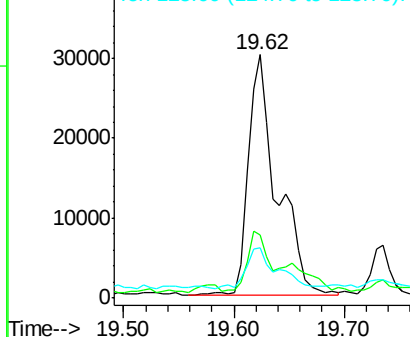


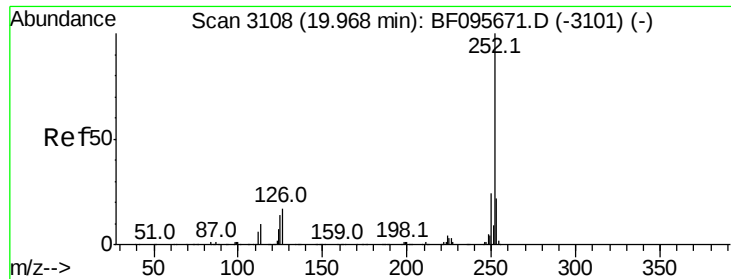
Abundance

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: 3.78 ng
 RT: 19.97 min Scan# 3134
 Delta R.T. 0.00 min
 Lab File: BF095693.D
 Acq: 6 Jun 2017 1:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	17.9	11.0	16.4

