

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061017\
 Data File : BF095862.D
 Acq On : 10 Jun 2017 22:53
 Operator : SJ/MA
 Sample : I3598-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 12 03:53:05 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

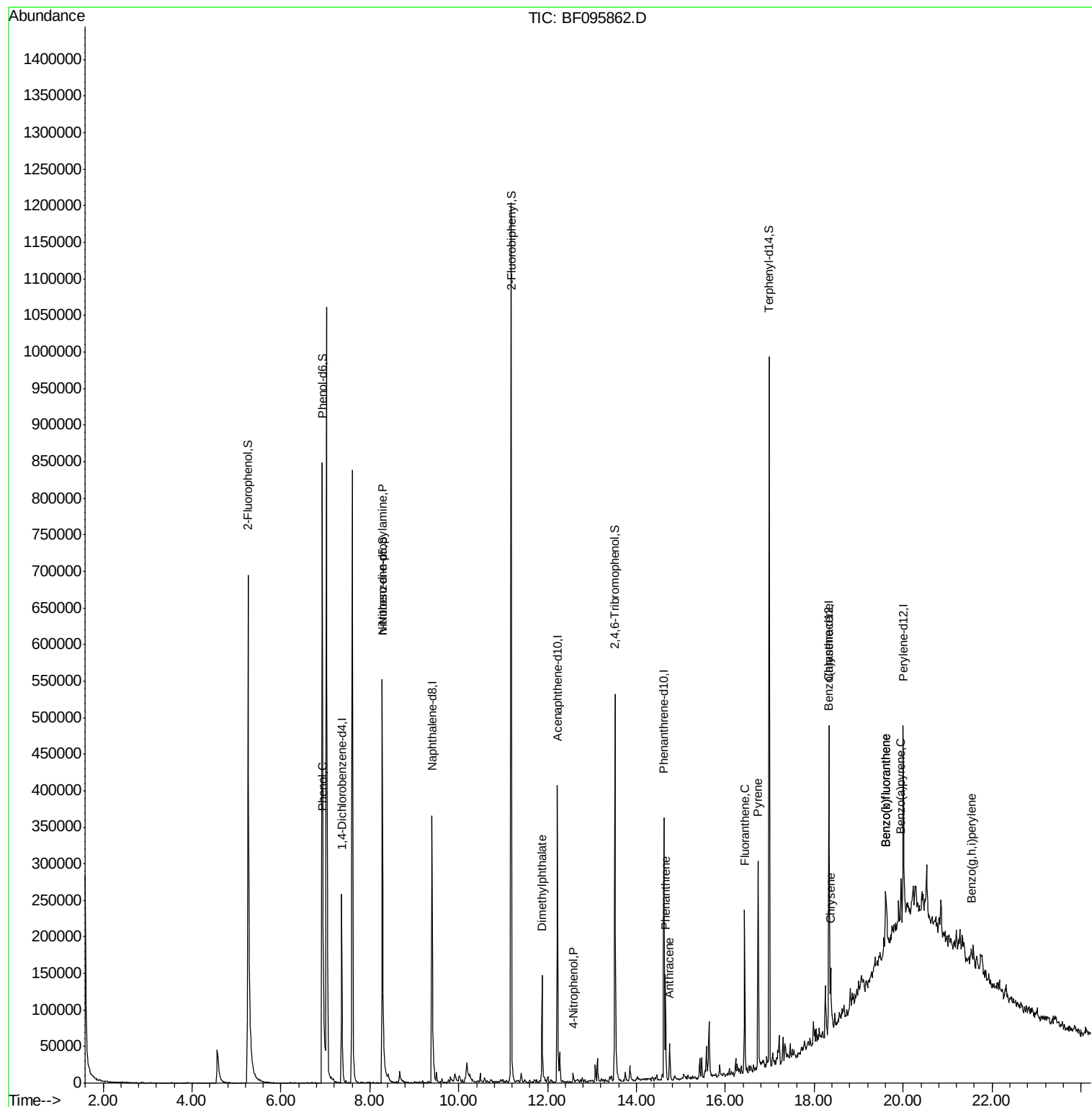
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	62624	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	265518	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	113656	20.00	ng	-0.04
63) Phenanthrene-d10	14.62	188	178426	20.00	ng	-0.03
75) Chrysene-d12	18.33	240	146773	20.00	ng	-0.02
86) Perylene-d12	20.00	264	119454	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	441279	112.28	ng	-0.03
7) Phenol-d6	6.93	99	545559	115.95	ng	-0.03
23) Nitrobenzene-d5	8.28	82	310251	72.57	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	92941	92.42	ng	-0.04
44) 2-Fluorobiphenyl	11.18	172	557033	68.20	ng	-0.04
78) Terphenyl-d14	16.99	244	353135	59.71	ng	-0.03
Target Compounds						Qvalue
10) Phenol	6.95	94	11729	2.40	ng	# 45
19) n-Nitroso-di-n-propylamine	8.28	70	37570	12.60	ng	# 76
49) Dimethylphthalate	11.87	163	97279	11.27	ng	99
55) 4-Nitrophenol	12.57	139	3624	7.29	ng	# 25
70) Phenanthrene	14.65	178	85395	8.29	ng	99
71) Anthracene	14.74	178	33916	3.16	ng	98
74) Fluoranthene	16.43	202	111902	10.98	ng	99
77) Pyrene	16.73	202	99032	9.04	ng	96
80) Benzo(a)anthracene	18.32	228	42480	4.98	ng	95
82) Chrysene	18.37	228	43709	5.13	ng	97
87) Benzo(b)fluoranthene	19.60	252	52848	7.07	ng	# 84
88) Benzo(k)fluoranthene	19.60	252	52848	7.39	ng	# 89
89) Benzo(a)pyrene	19.96	252	27607	4.02	ng	# 89
91) Benzo(a,h,i)perylene	21.53	276	14401	2.42	ng	# 80

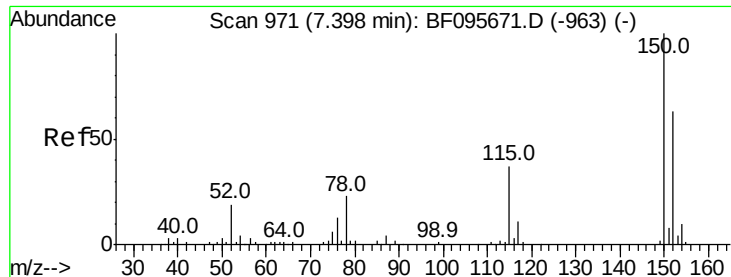
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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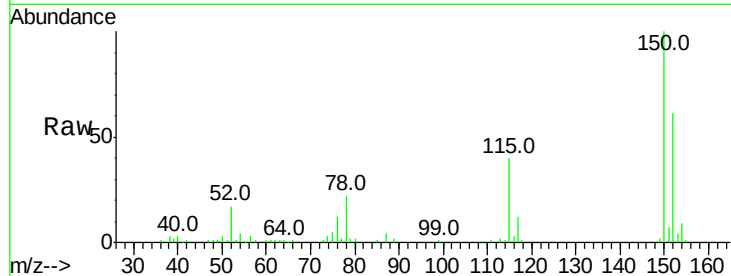


#1

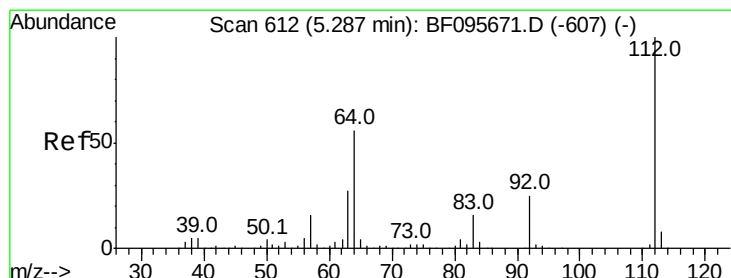
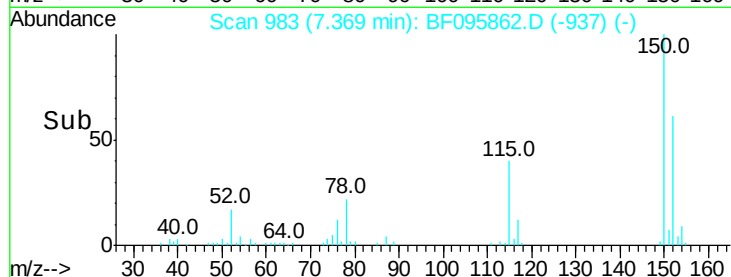
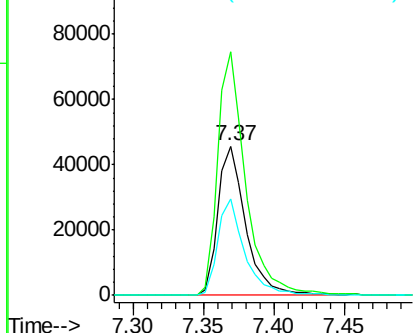
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 983
Delta R.T. -0.03 min
Lab File: BF095862.D
Acq: 10 Jun 2017 22:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 62624
Ion Ratio Lower Upper
152 100
150 163.5 126.2 189.2
115 64.6 52.2 78.2



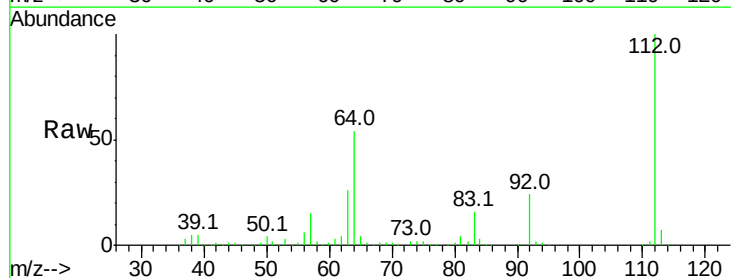
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



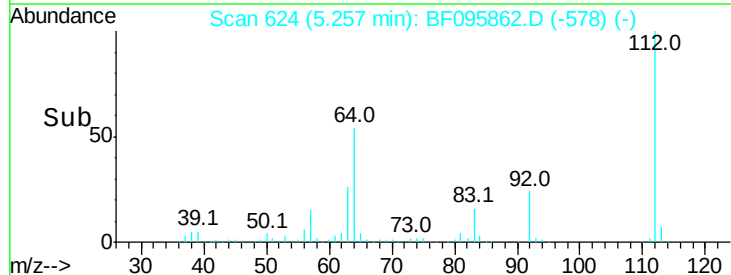
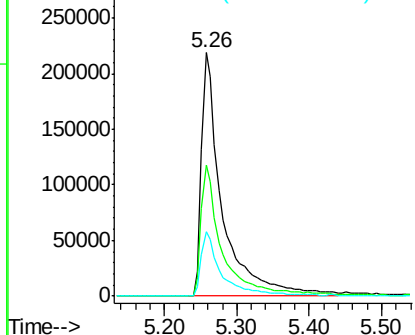
#5

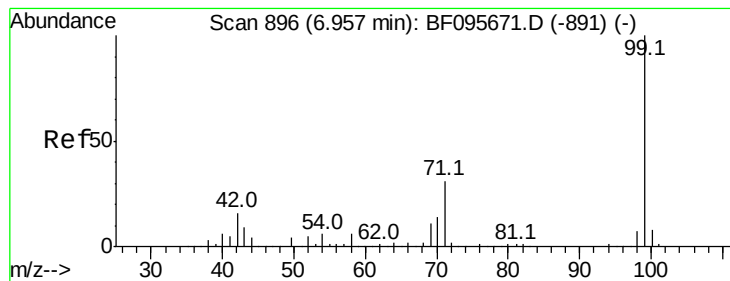
2-Fluorophenol
Concen: 112.28 ng
RT: 5.26 min Scan# 624
Delta R.T. -0.03 min
Lab File: BF095862.D
Acq: 10 Jun 2017 22:53

Tgt Ion:112 Resp: 441279
Ion Ratio Lower Upper
112 100
64 53.6 46.0 69.0
63 26.5 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: 115.95 ng

RT: 6.93 min Scan# 908

Delta R.T. -0.03 min

Lab File: BF095862.D

Acq: 10 Jun 2017 22:53

Instrument :

BNA_F

ClientSampleId :

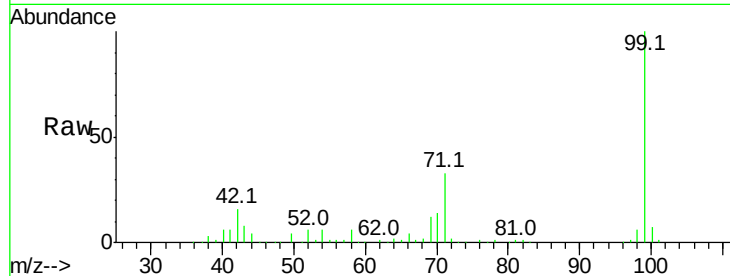
Tot Ion: 99 Resp: 545559

Ion Ratio Lower Upper

99 100

42 16.4 13.5 20.3

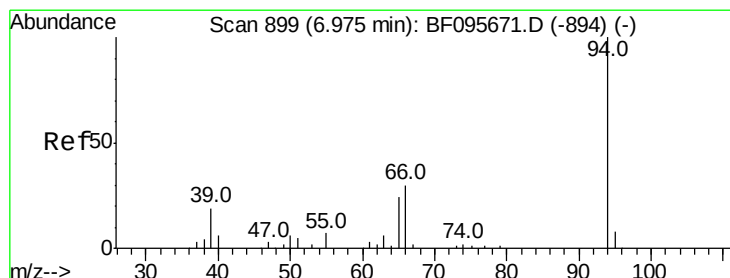
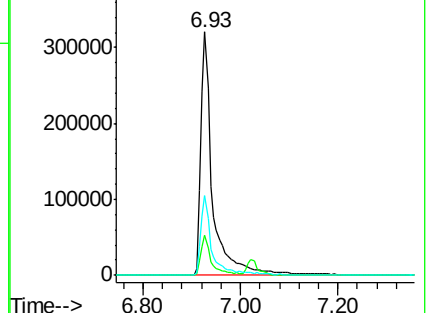
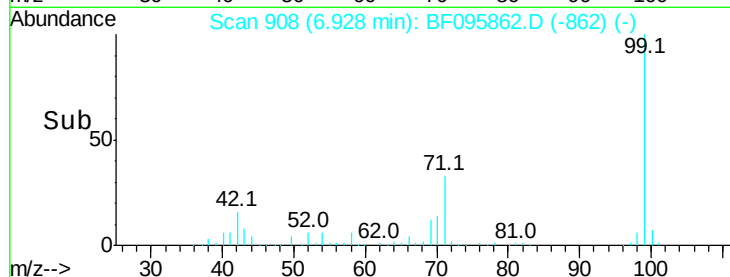
71 32.9 24.5 36.7



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: 2.40 ng

RT: 6.95 min Scan# 911

Delta R.T. -0.03 min

Lab File: BF095862.D

Acq: 10 Jun 2017 22:53

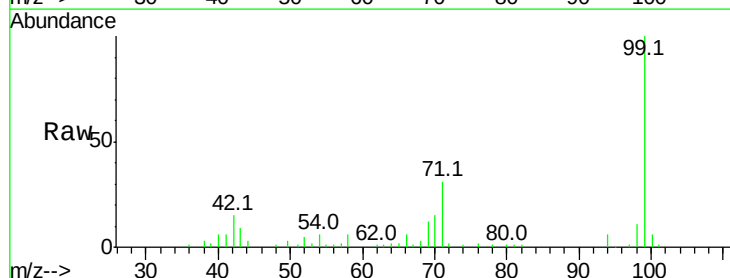
Tgt Ion: 94 Resp: 11729

Ion Ratio Lower Upper

94 100

65 39.3 9.9 49.9

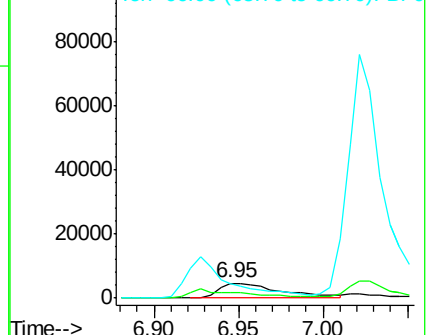
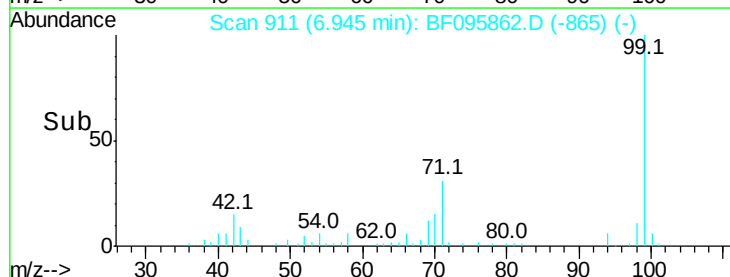
66 95.5 23.1 63.1#

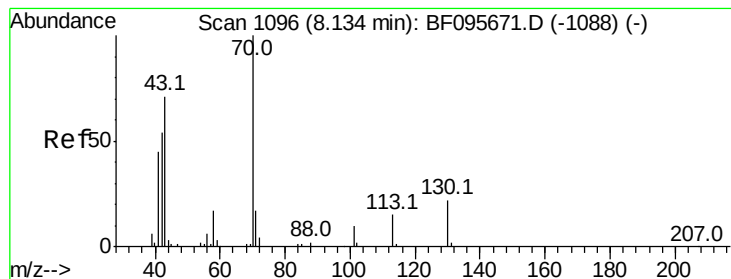


Abundance Ion 94.00 (93.70 to 94.70): BF0

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: 12.60 ng

RT: 8.28 min Scan# 1138

Delta R.T. 0.15 min

Lab File: BF095862.D

Acq: 10 Jun 2017 22:53

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 37570

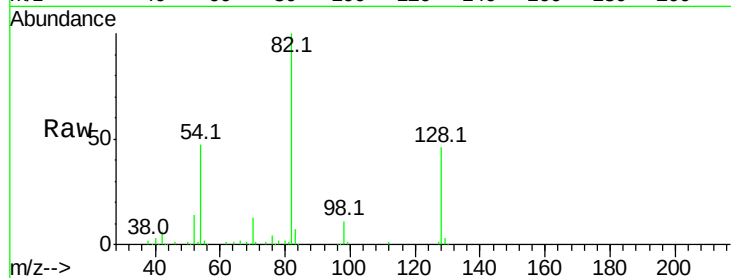
Ion Ratio Lower Upper

70 100

42 45.0 47.2 70.8#

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

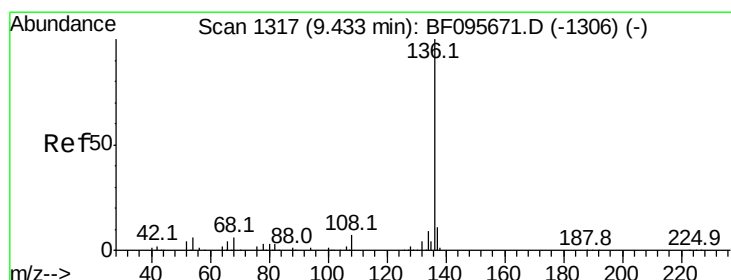
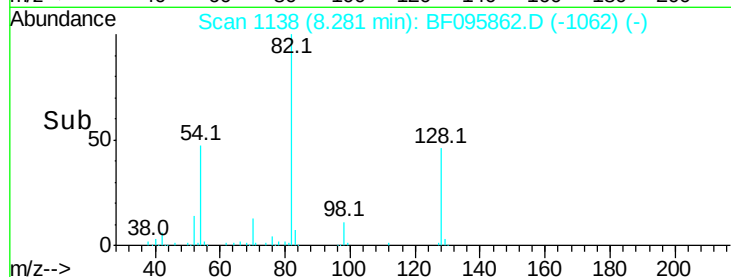
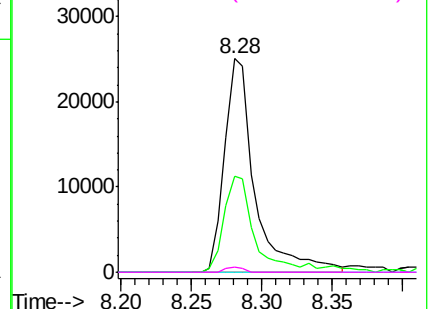


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF095862.D

Acq: 10 Jun 2017 22:53

Tgt Ion: 136 Resp: 265518

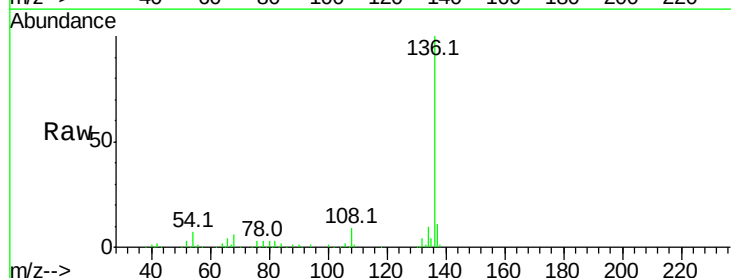
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 7.1 4.9 7.3

68 6.1 4.1 6.1#

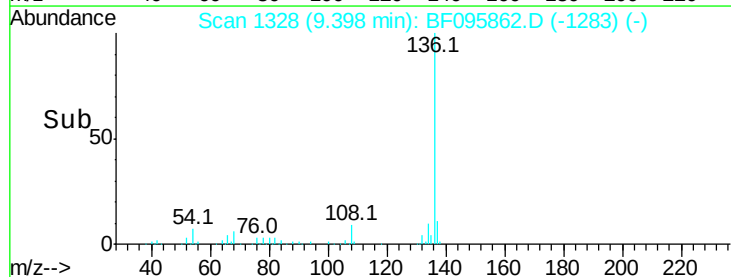
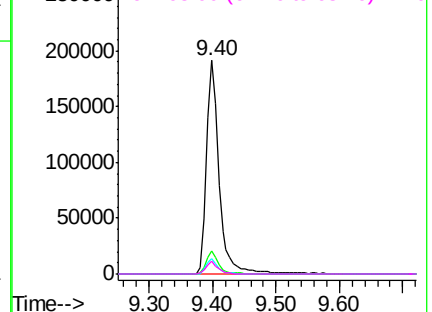


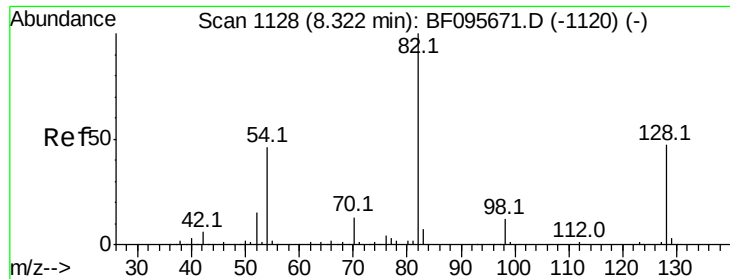
Abundance Ion 136.00 (135.70 to 136.70): E

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

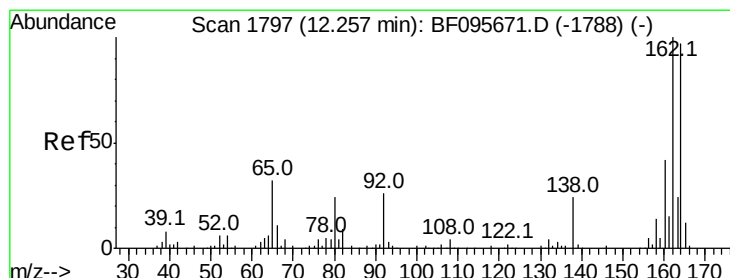
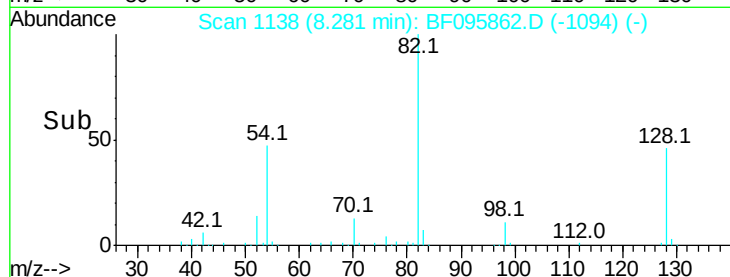
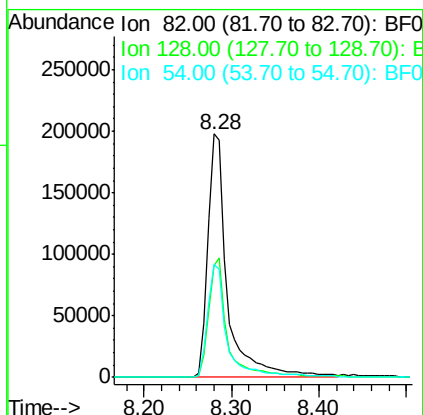
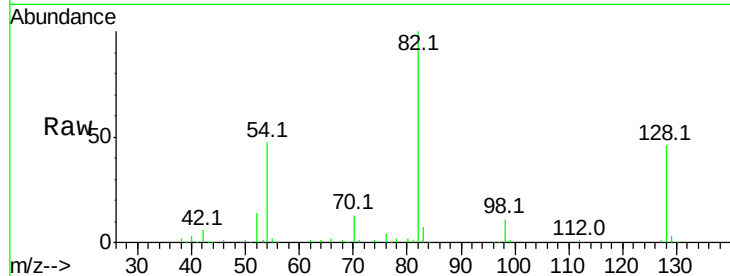




#23
 Nitrobenzene-d5
 Concen: 72.57 ng
 RT: 8.28 min Scan# 1138
 Delta R.T. -0.04 min
 Lab File: BF095862.D
 Acq: 10 Jun 2017 22:53

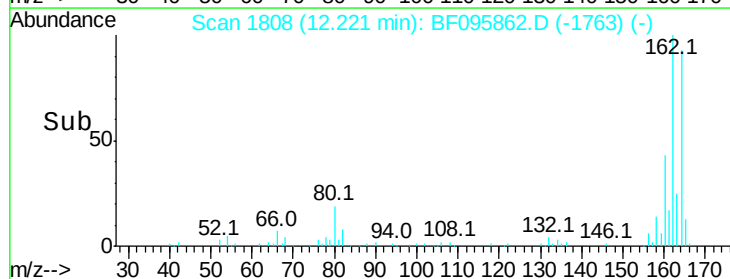
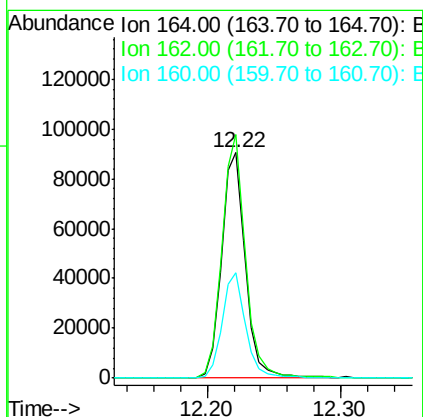
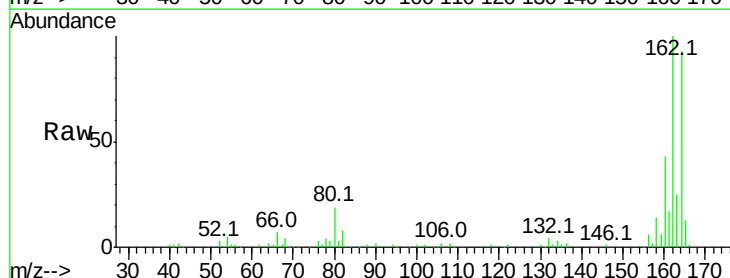
Instrument :
 BNA_F
 ClientSampled :

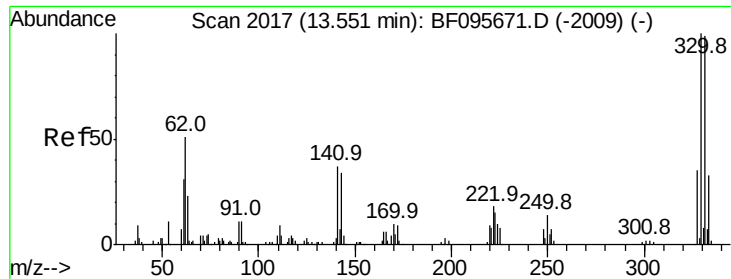
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.1	34.0	51.0
54	46.6	42.2	63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.22 min Scan# 1808
 Delta R.T. -0.04 min
 Lab File: BF095862.D
 Acq: 10 Jun 2017 22:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.9	82.6	123.8
160	46.9	36.2	54.2

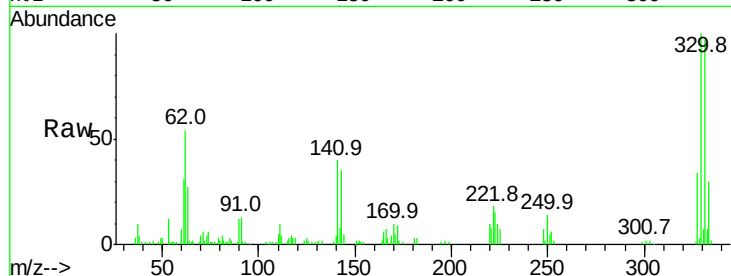




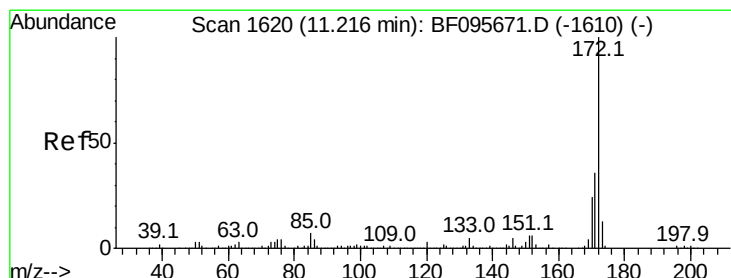
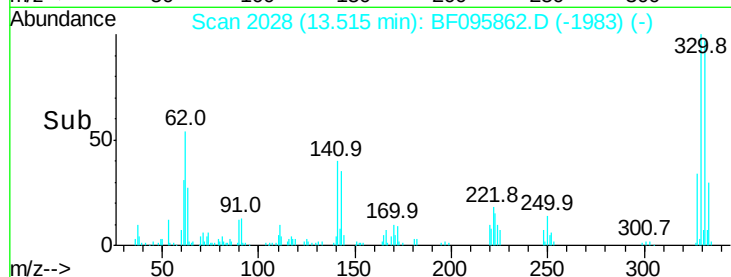
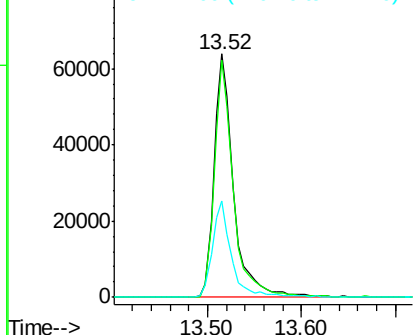
#41
 2,4,6-Tribromophenol
 Concen: 92.42 ng
 RT: 13.52 min Scan# 2028
 Delta R.T. -0.04 min
 Lab File: BF095862.D
 Acq: 10 Jun 2017 22:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 92941
 Ion Ratio Lower Upper
 330 100
 332 94.9 76.6 115.0
 141 38.8 31.4 47.2

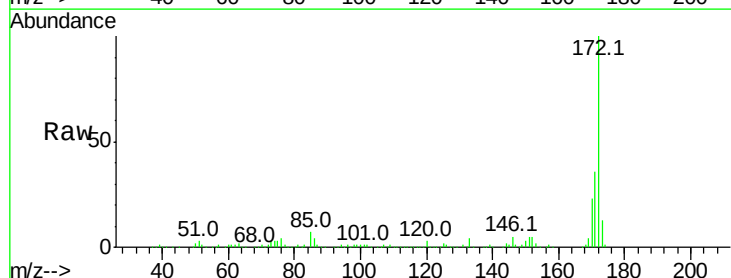


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

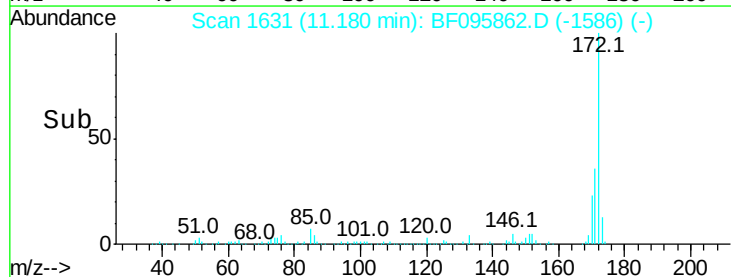
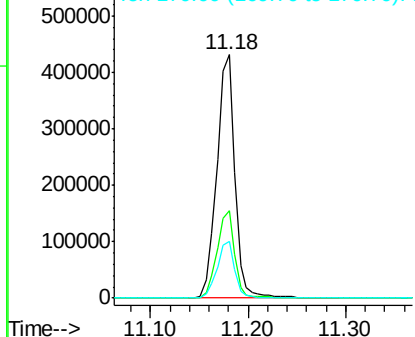


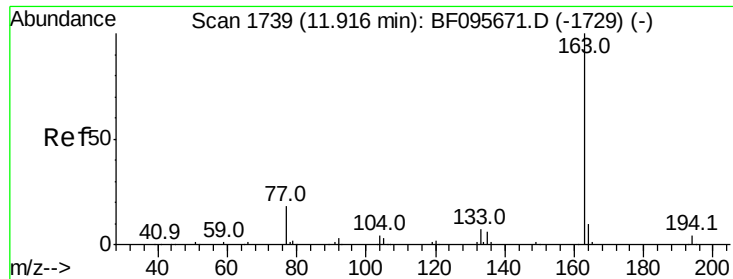
#44
 2-Fluorobiphenyl
 Concen: 68.20 ng
 RT: 11.18 min Scan# 1631
 Delta R.T. -0.04 min
 Lab File: BF095862.D
 Acq: 10 Jun 2017 22:53

Tgt Ion:172 Resp: 557033
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.6 44.4
 170 23.2 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

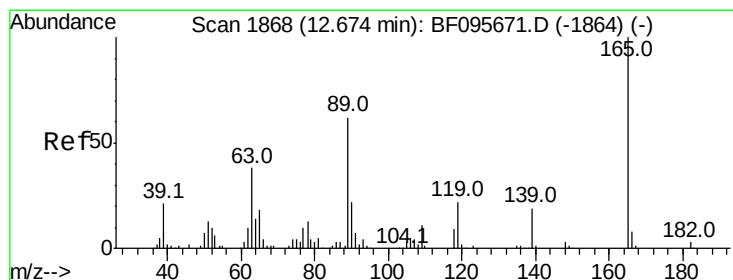
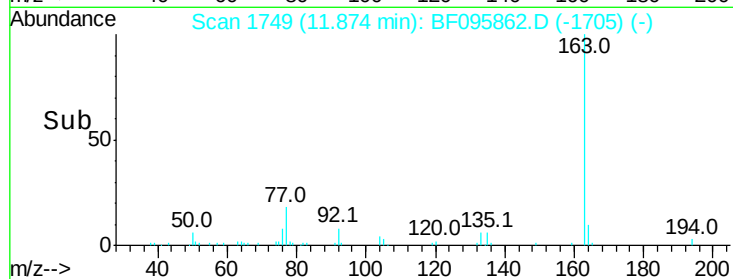
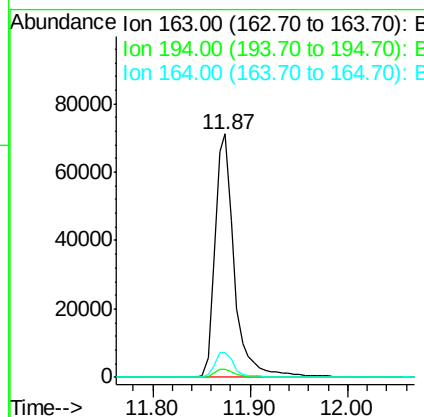
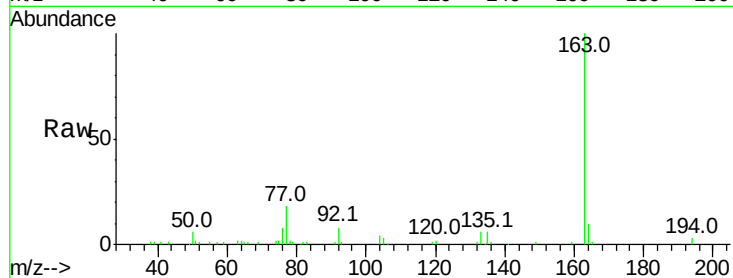




#49
Dimethylphthalate
Concen: 11.27 ng
RT: 11.87 min Scan# 1749
Delta R.T. -0.04 min
Lab File: BF095862.D
Acq: 10 Jun 2017 22:53

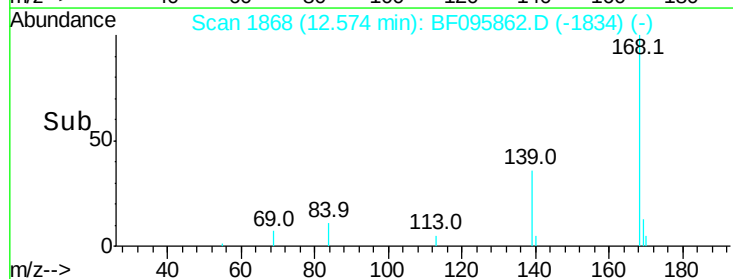
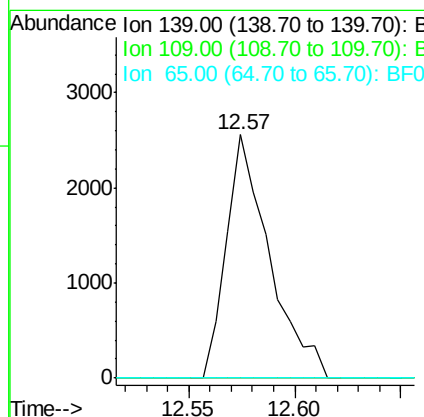
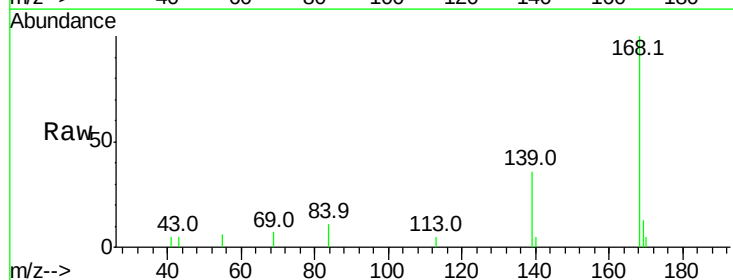
Instrument :
BNA_F
ClientSampleId :

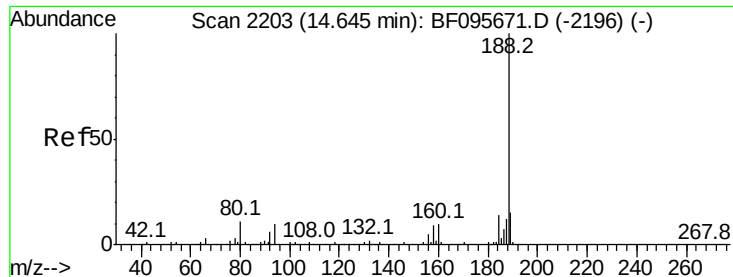
Tot Ion:163 Resp: 97279
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.2 8.4 12.6



#55
4-Nitrophenol
Concen: 7.29 ng
RT: 12.57 min Scan# 1868
Delta R.T. -0.10 min
Lab File: BF095862.D
Acq: 10 Jun 2017 22:53

Tgt Ion:139 Resp: 3624
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

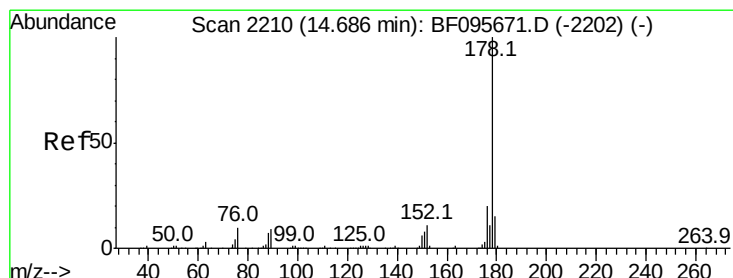
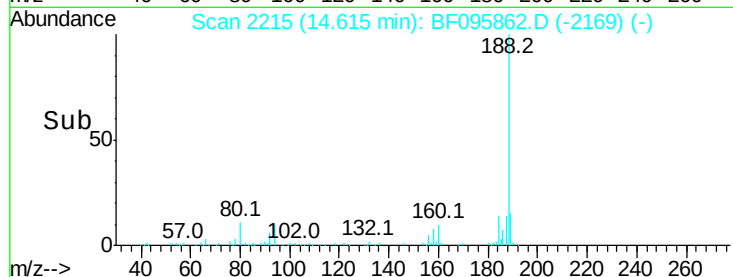
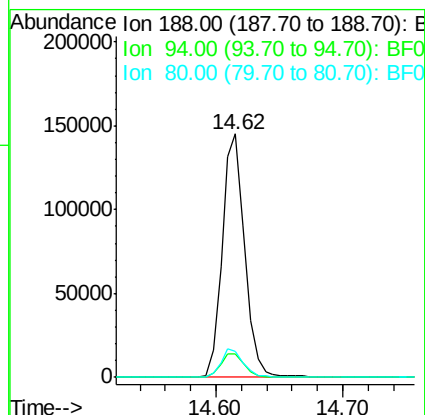
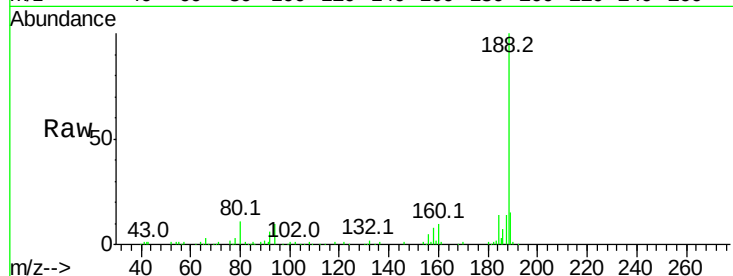




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.62 min Scan# 2215
Delta R.T. -0.03 min
Lab File: BF095862.D
Acq: 10 Jun 2017 22:53

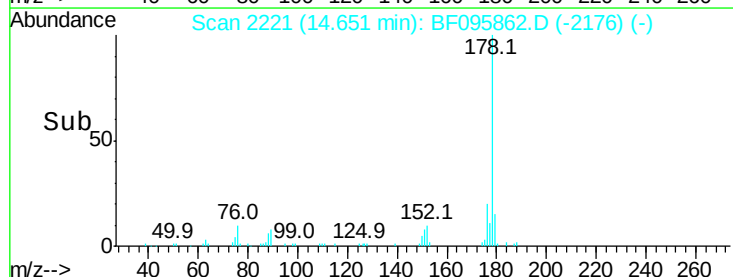
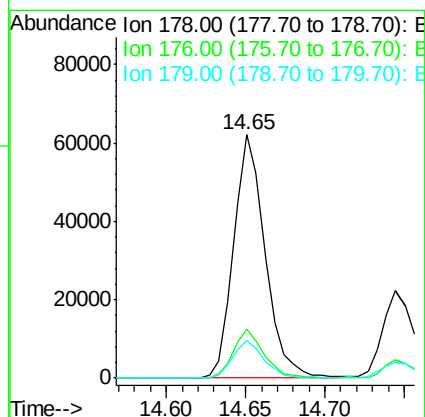
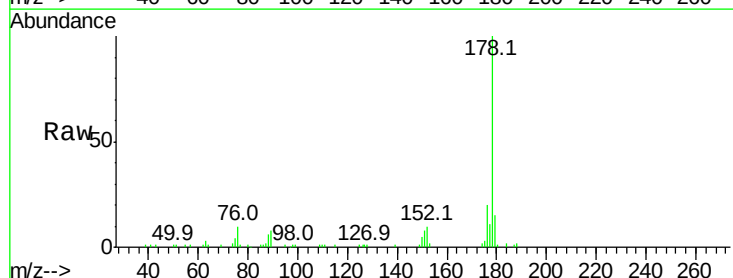
Instrument :
BNA_F
ClientSampleId :

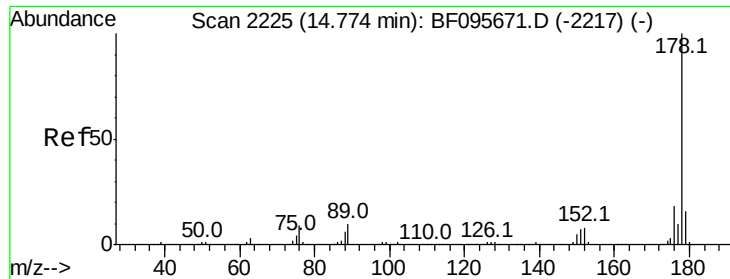
Tot Ion:188 Resp: 178426
Ion Ratio Lower Upper
188 100
94 9.9 9.4 14.2
80 10.6 10.2 15.2



#70
Phenanthrene
Concen: 8.29 ng
RT: 14.65 min Scan# 2221
Delta R.T. -0.04 min
Lab File: BF095862.D
Acq: 10 Jun 2017 22:53

Tgt Ion:178 Resp: 85395
Ion Ratio Lower Upper
178 100
176 20.2 16.2 24.4
179 15.3 12.6 19.0





#71

Anthracene

Concen: 3.16 ng

RT: 14.74 min Scan# 2237

Delta R.T. -0.03 min

Lab File: BF095862.D

Acq: 10 Jun 2017 22:53

Instrument :

BNA_F

ClientSampleId :

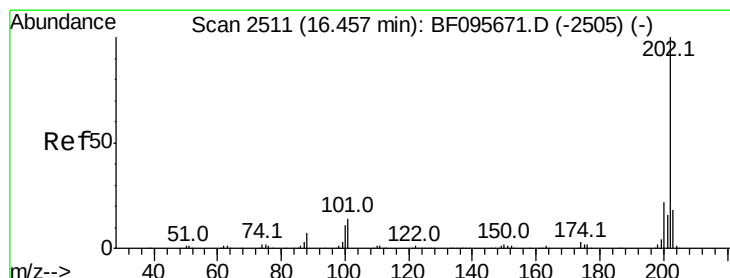
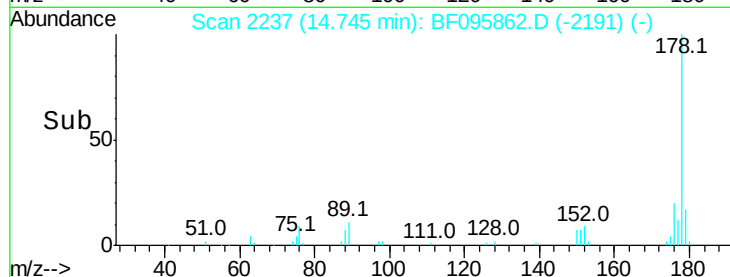
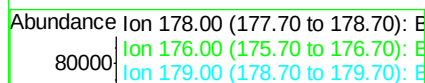
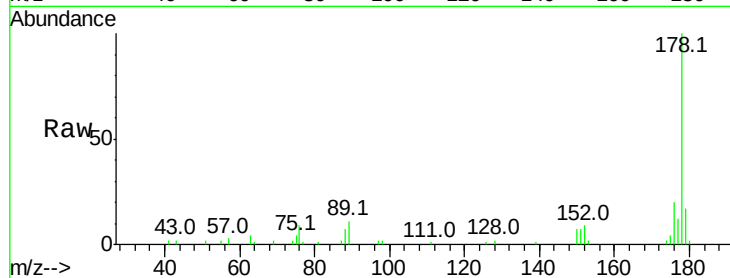
Tot Ion:178 Resp: 33916

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.8

179 17.5 12.7 19.1



#74

Fluoranthene

Concen: 10.98 ng

RT: 16.43 min Scan# 2524

Delta R.T. -0.02 min

Lab File: BF095862.D

Acq: 10 Jun 2017 22:53

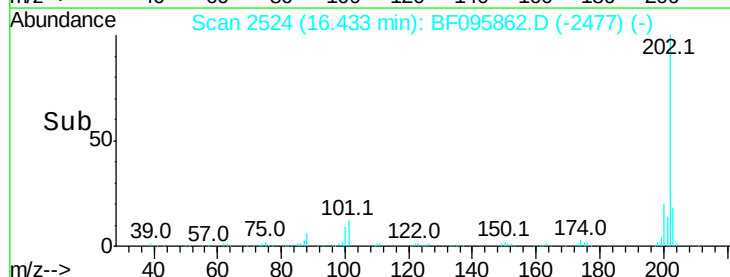
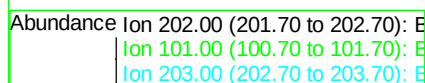
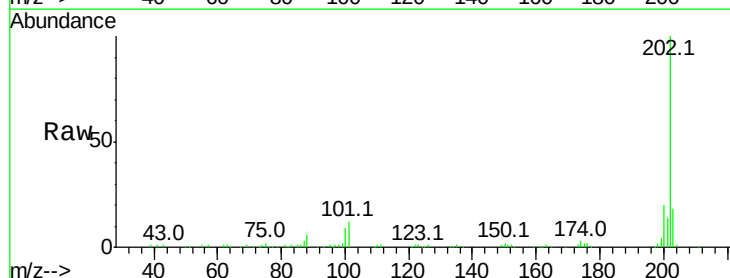
Tgt Ion:202 Resp: 111902

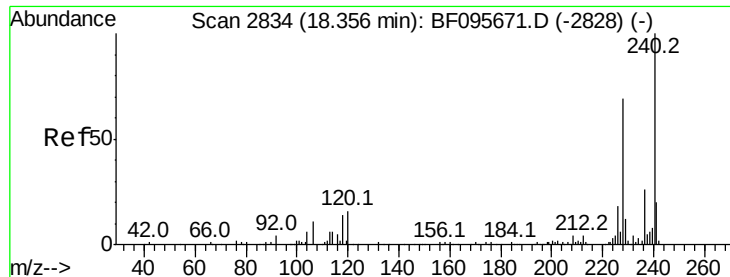
Ion Ratio Lower Upper

202 100

101 12.3 0.0 33.2

203 18.1 0.0 38.1

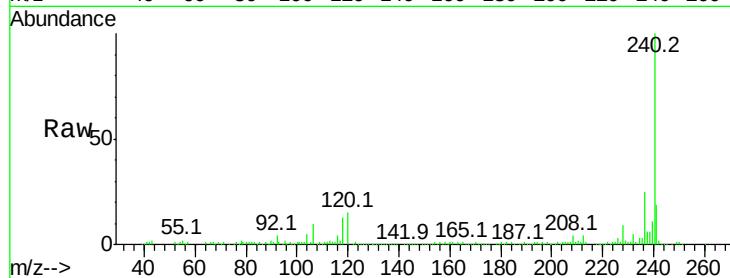




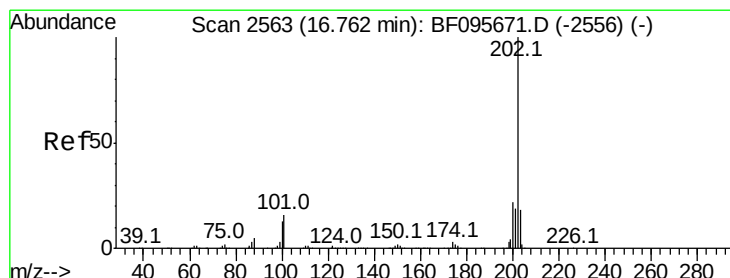
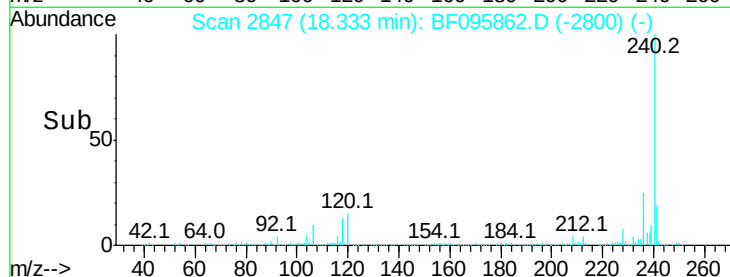
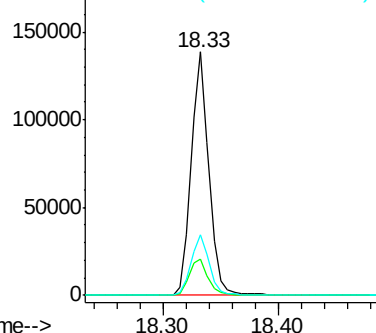
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.33 min Scan# 2847
 Delta R.T. -0.02 min
 Lab File: BF095862.D
 Acq: 10 Jun 2017 22:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 146773
 Ion Ratio Lower Upper
 240 100
 120 14.9 5.8 8.8#
 236 25.1 20.5 30.7

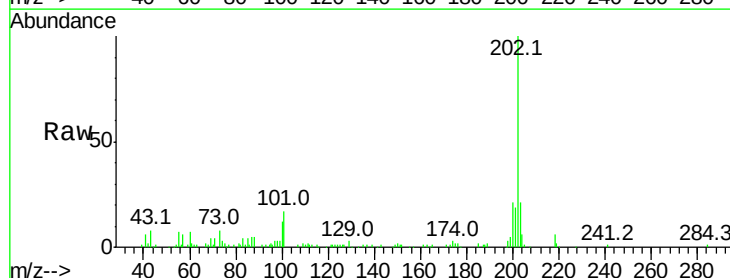


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

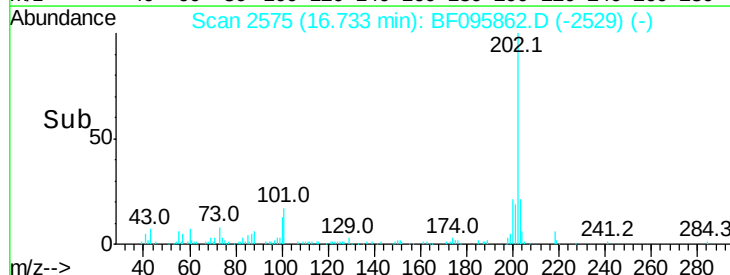
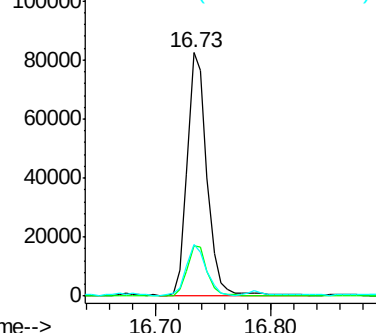


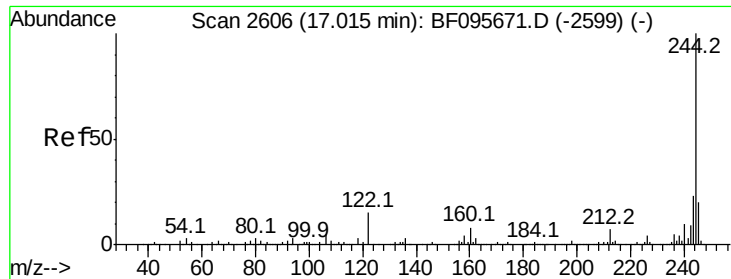
#77
 Pyrene
 Concen: 9.04 ng
 RT: 16.73 min Scan# 2575
 Delta R.T. -0.03 min
 Lab File: BF095862.D
 Acq: 10 Jun 2017 22:53

Tgt Ion:202 Resp: 99032
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.6 26.4
 203 21.0 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

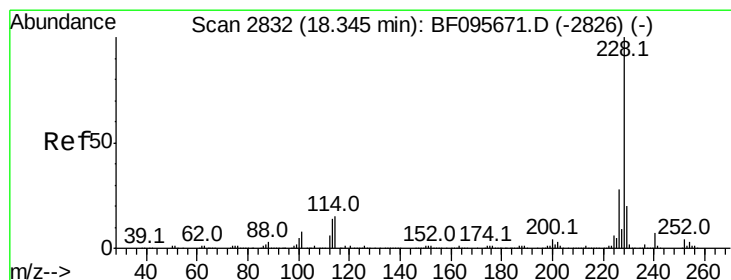
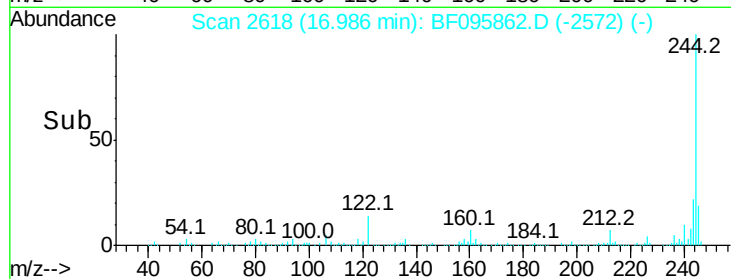
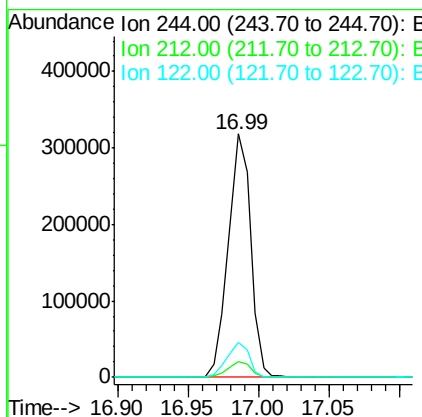
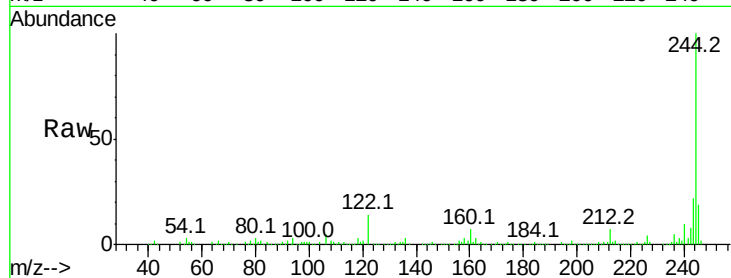




#78
 Terphenyl-d14
 Concen: 59.71 ng
 RT: 16.99 min Scan# 2618
 Delta R.T. -0.03 min
 Lab File: BF095862.D
 Acq: 10 Jun 2017 22:53

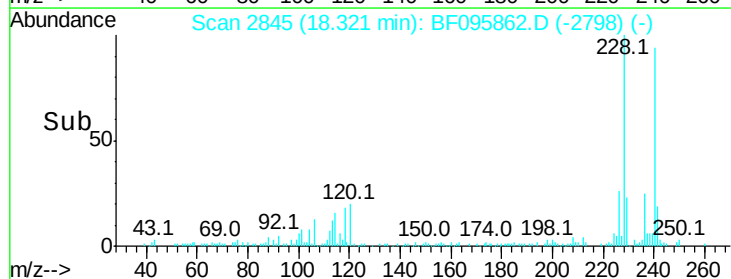
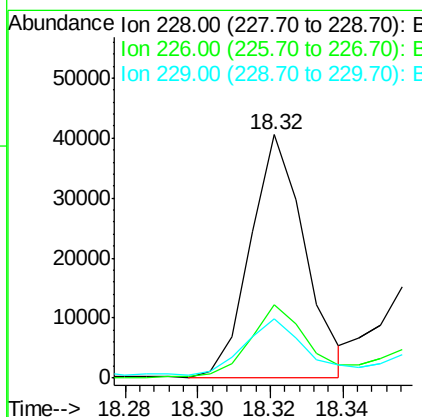
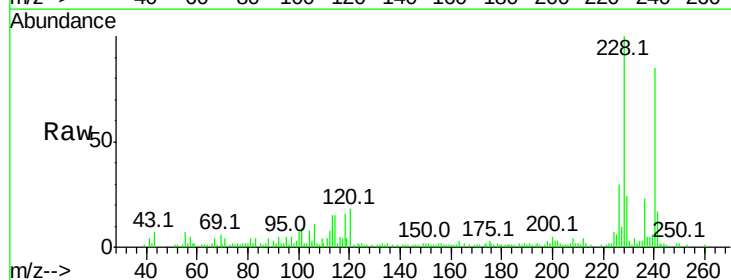
Instrument :
 BNA_F
 ClientSampleId :

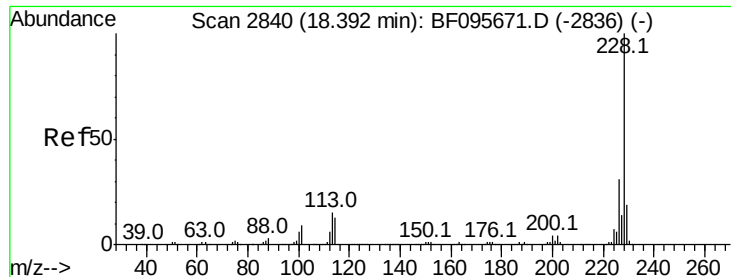
Tot Ion:244 Resp: 353135
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.0 9.0
 122 14.5 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 4.98 ng
 RT: 18.32 min Scan# 2845
 Delta R.T. -0.02 min
 Lab File: BF095862.D
 Acq: 10 Jun 2017 22:53

Tgt Ion:228 Resp: 42480
 Ion Ratio Lower Upper
 228 100
 226 29.9 22.6 33.8
 229 24.1 16.3 24.5

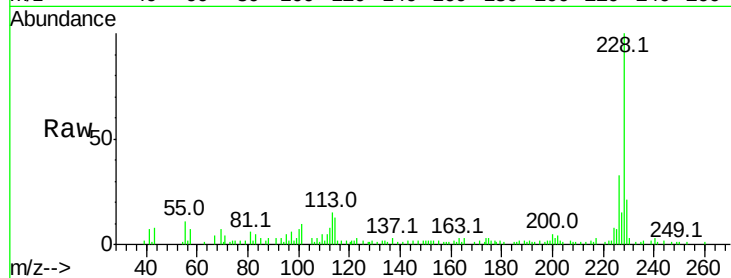




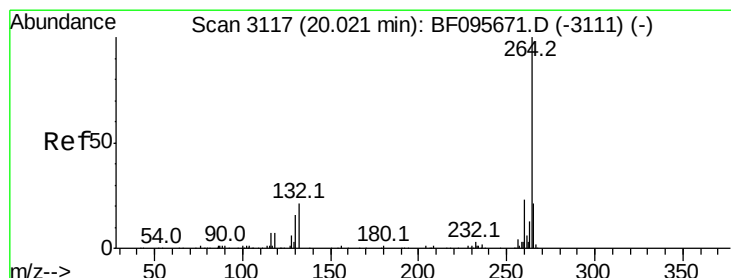
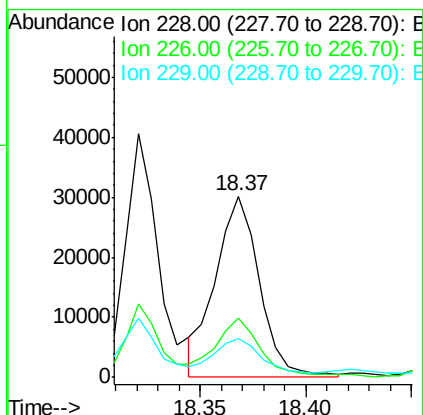
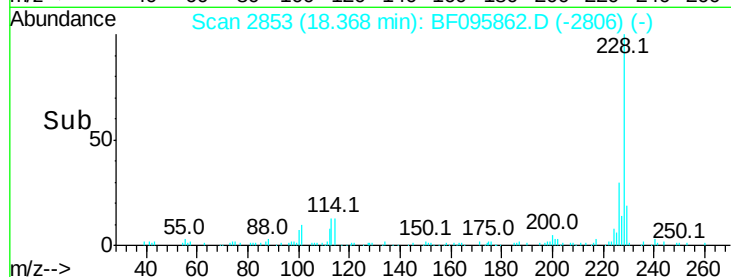
#82
Chrysene
Concen: 5.13 ng
RT: 18.37 min Scan# 2853
Delta R.T. -0.02 min
Lab File: BF095862.D
Acq: 10 Jun 2017 22:53

Instrument :
BNA_F
ClientSampled :

Tot Ion:228 Resp: 43709
Ion Ratio Lower Upper
228 100
226 32.6 24.9 37.3
229 21.2 15.8 23.6

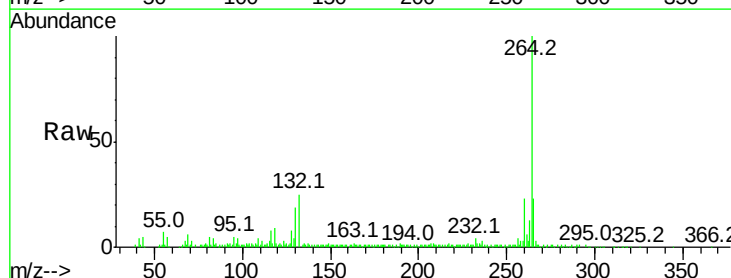


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

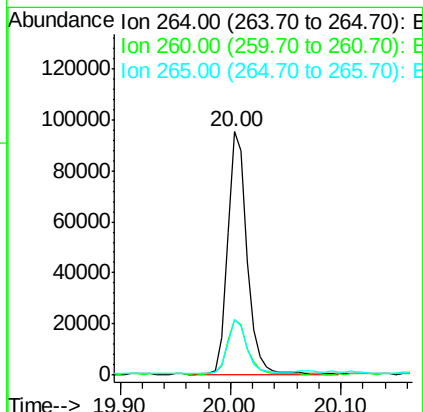
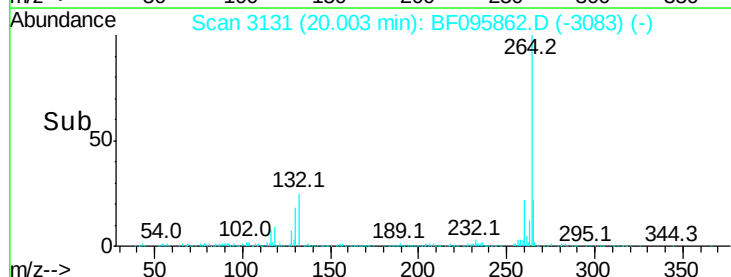


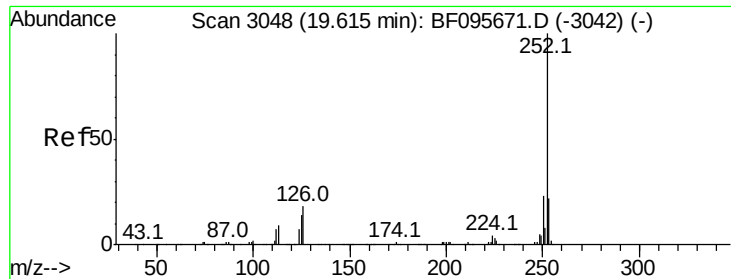
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.00 min Scan# 3131
Delta R.T. -0.02 min
Lab File: BF095862.D
Acq: 10 Jun 2017 22:53

Tgt Ion:264 Resp: 119454
Ion Ratio Lower Upper
264 100
260 22.6 19.5 29.3
265 23.0 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

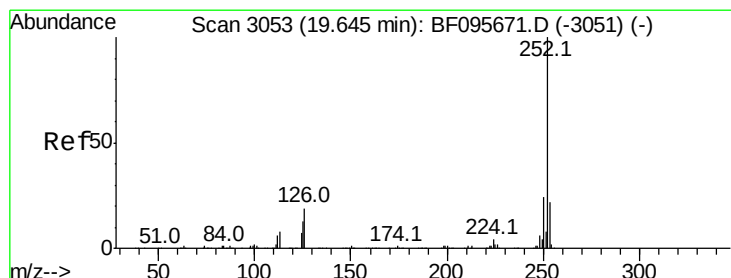
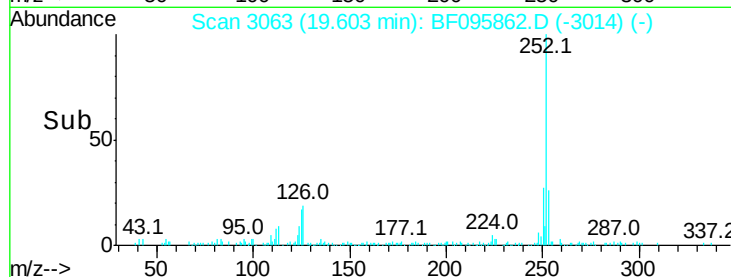
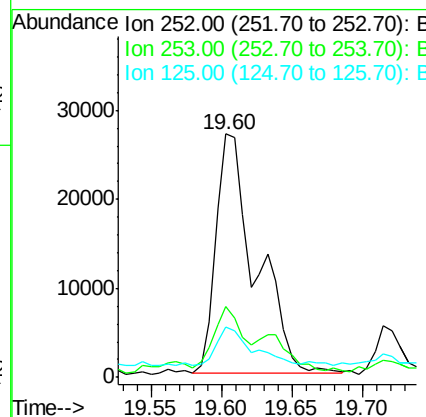
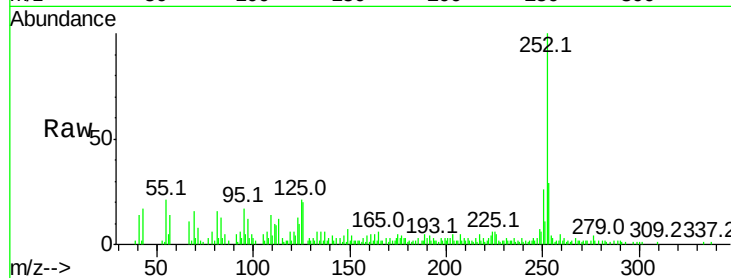




#87
Benzo(b)fluoranthene
Concen: 7.07 ng
RT: 19.60 min Scan# 3063
Delta R.T. -0.01 min
Lab File: BF095862.D
Acq: 10 Jun 2017 22:53

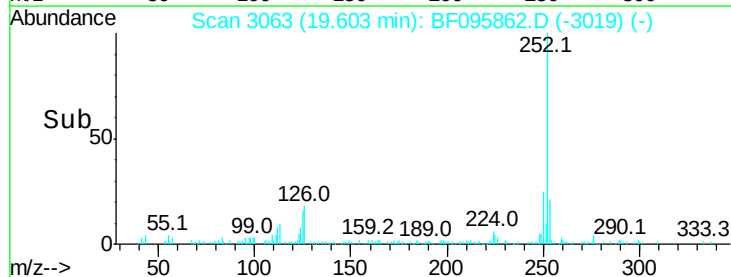
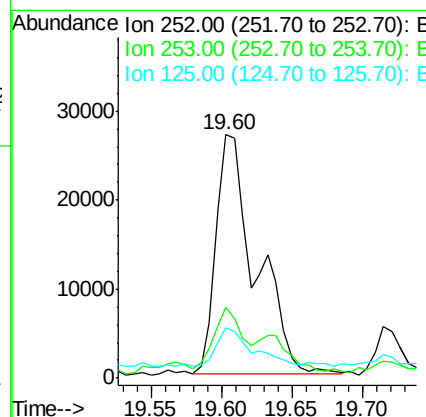
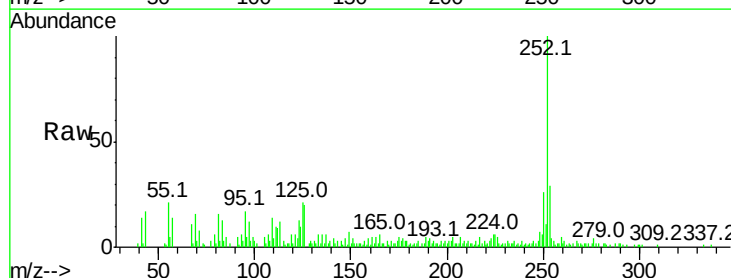
Instrument :
BNA_F
ClientSampleId :

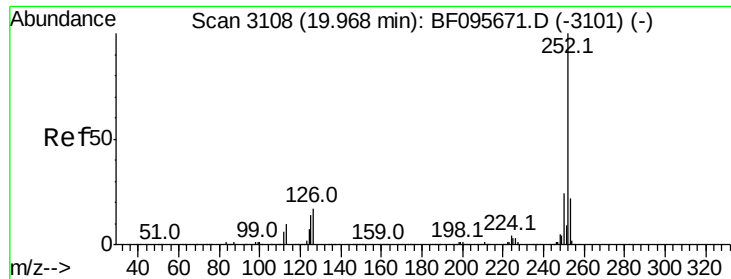
Tot Ion	Ratio	Lower	Upper
252	100		
253	28.8	18.1	27.1#
125	20.8	9.8	14.8#



#88
Benzo(k)fluoranthene
Concen: 7.39 ng
RT: 19.60 min Scan# 3063
Delta R.T. -0.04 min
Lab File: BF095862.D
Acq: 10 Jun 2017 22:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.8	18.4	27.6#
125	20.8	13.1	19.7#

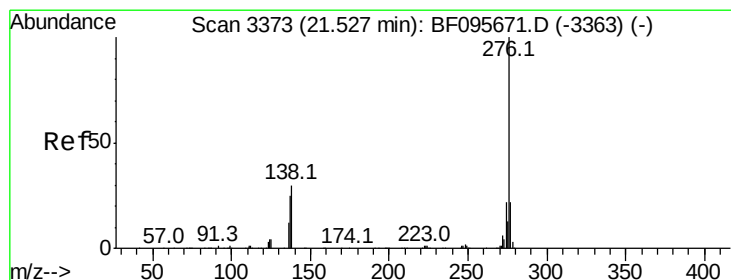
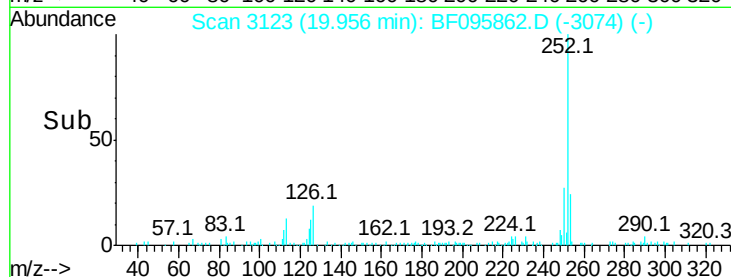
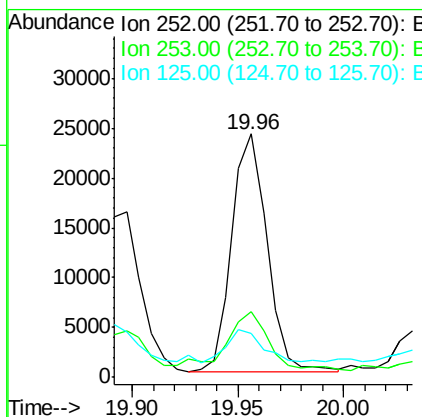
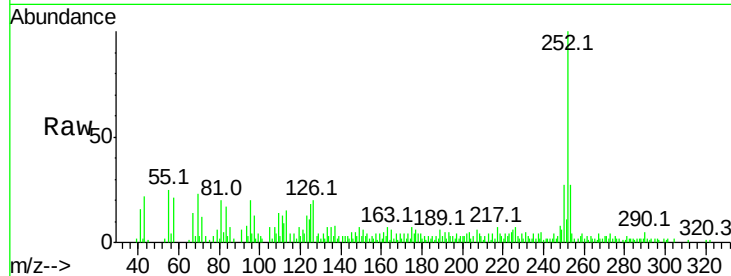




#89
Benzo(a)pyrene
Concen: 4.02 ng
RT: 19.96 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095862.D
Acq: 10 Jun 2017 22:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 27607
Ion Ratio Lower Upper
252 100
253 27.1 17.5 26.3#
125 18.1 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 2.42 ng
RT: 21.53 min Scan# 3391
Delta R.T. 0.01 min
Lab File: BF095862.D
Acq: 10 Jun 2017 22:53

Tgt Ion:276 Resp: 14401
Ion Ratio Lower Upper
276 100
277 33.8 18.6 28.0#
138 42.3 25.4 38.0#

