

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
 Data File : BF096187.D
 Acq On : 24 Jun 2017 13:27
 Operator : SJ/MA
 Sample : I3872-07 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 26 01:21:30 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.26	152	65229	20.00	ng	-0.03
21) Naphthalene-d8	9.29	136	269627	20.00	ng	-0.04
38) Acenaphthene-d10	12.12	164	108946	20.00	ng	-0.04
63) Phenanthrene-d10	14.51	188	169042	20.00	ng	-0.03
75) Chrysene-d12	18.25	240	138513	20.00	ng	-0.02
86) Perylene-d12	19.93	264	114910	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1603	0.39	ng	0.14
7) Phenol-d6	7.01	99	10141	2.07	ng	0.14
23) Nitrobenzene-d5	8.27	82	5454	1.26	ng	0.05
41) 2,4,6-Tribromophenol	13.45	330	2471	2.56	ng	0.00
44) 2-Fluorobiphenyl	11.08	172	25986	3.32	ng	-0.03
78) Terphenyl-d14	16.90	244	16215	2.91	ng	-0.03

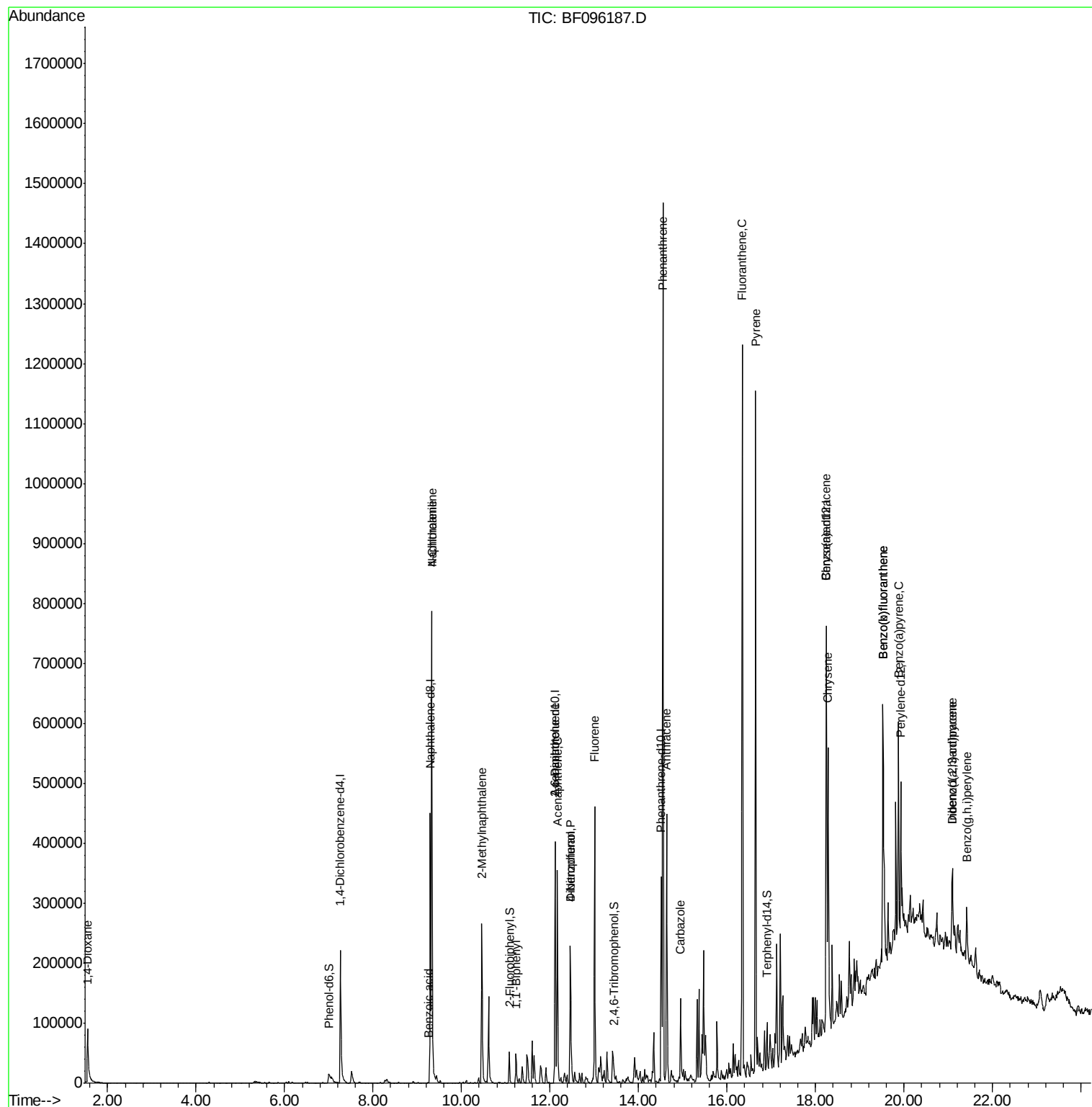
Target Compounds						Qvalue
2) 1,4-Dioxane	1.55	88	4170	2.14	ng	# 23
31) Naphthalene	9.33	128	548087	40.50	ng	99
32) Benzoic acid	9.25	122	414	5.27	ng	# 1
33) 4-Chloroaniline	9.33	127	72693	13.74	ng	# 34
37) 2-Methylnaphthalene	10.46	142	114941	12.57	ng	97
45) 1,1'-Biphenyl	11.23	154	26077	2.90	ng	98
50) 2,6-Dinitrotoluene	12.12	165	15284	8.47	ng	# 31
51) Acenaphthene	12.17	154	109492	15.80	ng	99
54) Dibenzofuran	12.46	168	148016	15.18	ng	94
55) 4-Nitrophenol	12.46	139	52792	45.15	ng	# 27
57) Fluorene	13.01	166	175422	20.67	ng	99
70) Phenanthrene	14.56	178	800715	82.09	ng	98
71) Anthracene	14.63	178	272714	26.78	ng	97
72) Carbazole	14.95	167	99481	10.03	ng	96
74) Fluoranthene	16.34	202	638309	66.12	ng	98
77) Pyrene	16.65	202	504517	48.82	ng	# 95
80) Benzo(a)anthracene	18.24	228	251298	31.20	ng	95
82) Chrysene	18.29	228	201118	24.99	ng	99
85) Indeno(1,2,3-cd)pyrene	21.09	276	76372	11.09	ng	# 89
87) Benzo(b)fluoranthene	19.53	252	302577	42.05	ng	# 96
88) Benzo(k)fluoranthene	19.53	252	302577	43.99	ng	97
89) Benzo(a)pyrene	19.87	252	165545	25.03	ng	97
90) Dibenzo(a,h)anthracene	21.09	278	20232	3.61	ng	# 79
91) Benzo(g,h,i)perylene	21.41	276	66608	11.65	ng	96

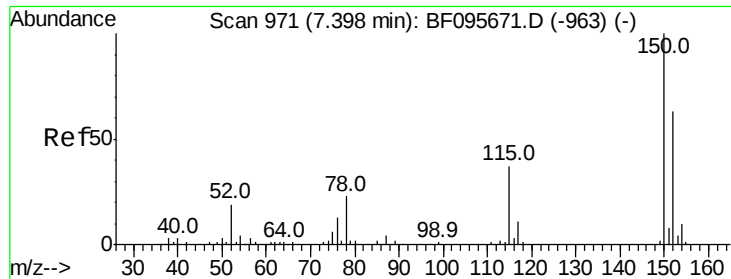
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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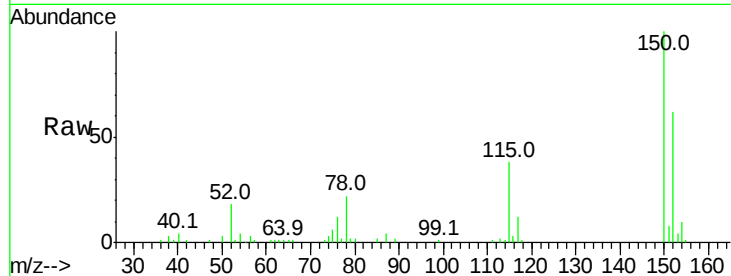


#1

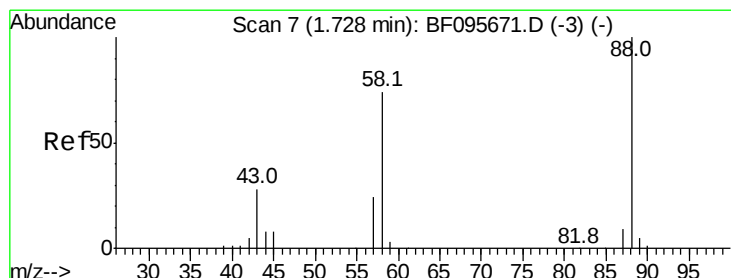
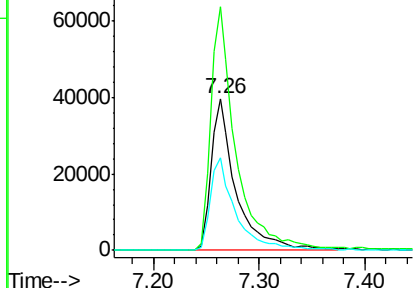
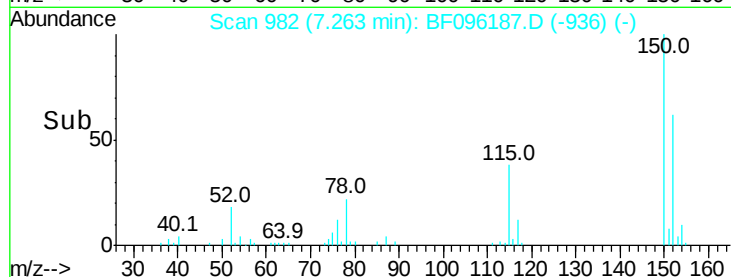
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.26 min Scan# 982
Delta R.T. -0.03 min
Lab File: BF096187.D
Acq: 24 Jun 2017 13:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 65229
Ion Ratio Lower Upper
152 100
150 160.4 126.2 189.2
115 60.9 52.2 78.2



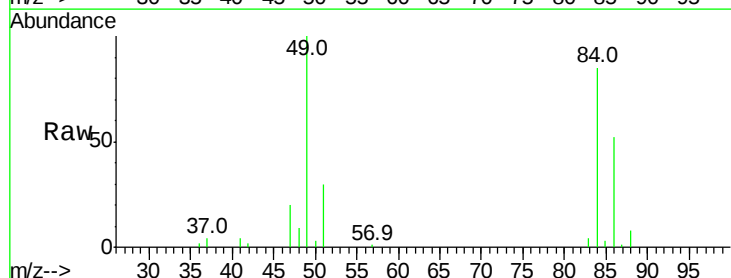
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



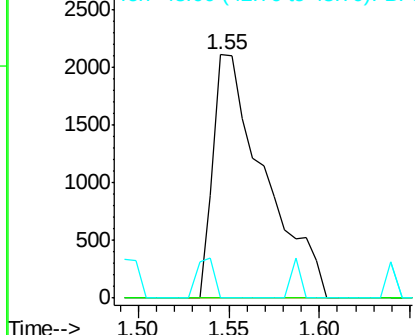
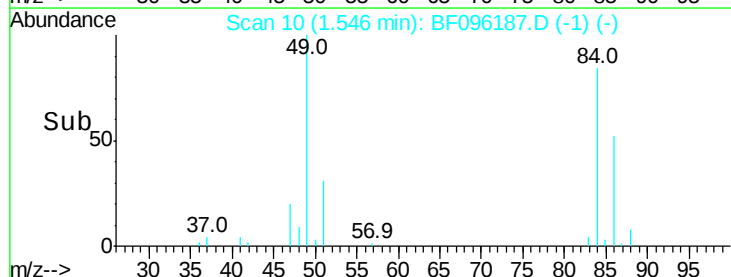
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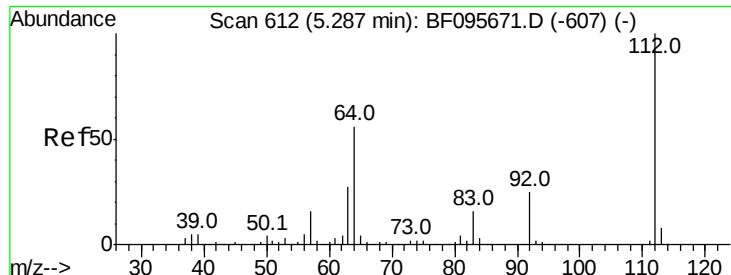
1,4-Dioxane
Concen: 2.14 ng
RT: 1.55 min Scan# 10
Delta R.T. -0.06 min
Lab File: BF096187.D
Acq: 24 Jun 2017 13:27

Tgt Ion: 88 Resp: 4170
Ion Ratio Lower Upper
88 100
58 0.0 61.4 92.0#
43 5.6 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: 0.39 ng

RT: 5.32 min Scan# 651

Delta R.T. 0.14 min

Lab File: BF096187.D

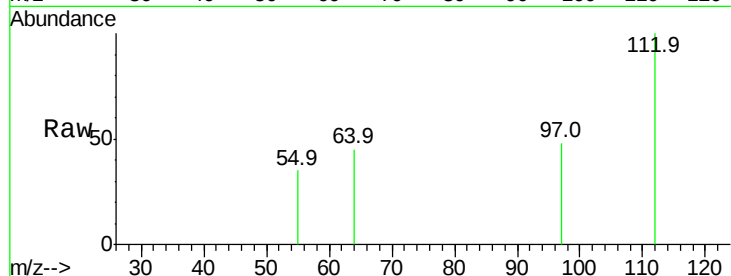
Acq: 24 Jun 2017 13:27

Instrument :

BNA_F

ClientSampleId :

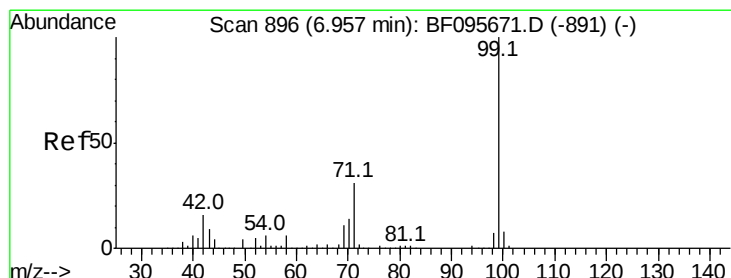
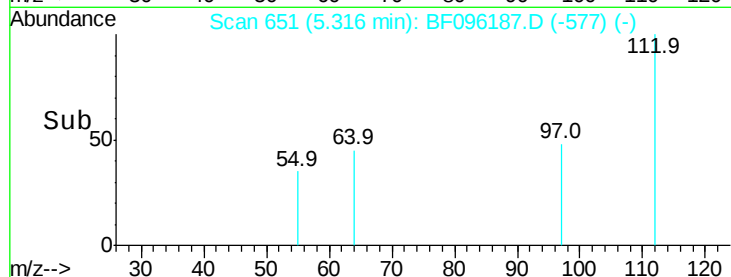
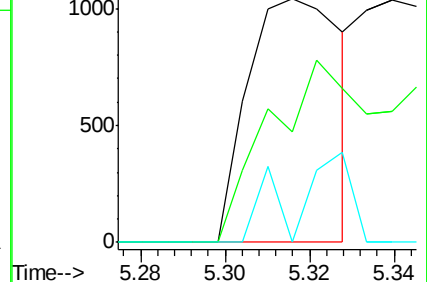
Tot Ion:	112	Resp:	1603
Ion	Ratio	Lower	Upper
112	100		
64	45.4	46.0	69.0#
63	0.0	23.4	35.0#



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: 2.07 ng

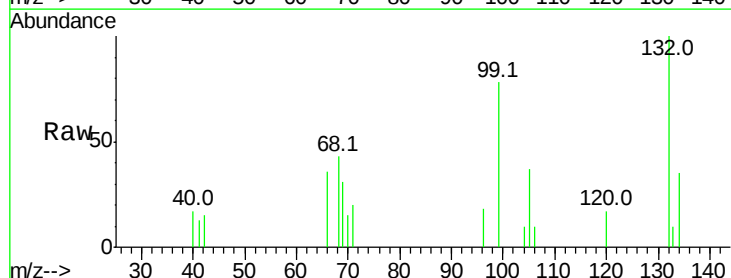
RT: 7.01 min Scan# 939

Delta R.T. 0.14 min

Lab File: BF096187.D

Acq: 24 Jun 2017 13:27

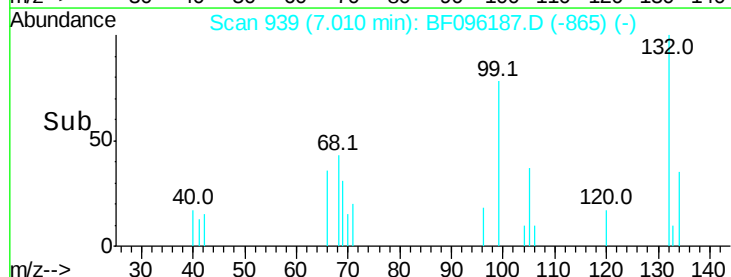
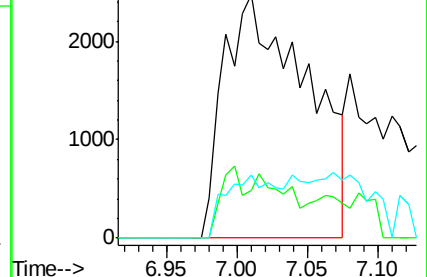
Tgt Ion:	99	Resp:	10141
Ion	Ratio	Lower	Upper
99	100		
42	19.9	13.5	20.3
71	26.1	24.5	36.7

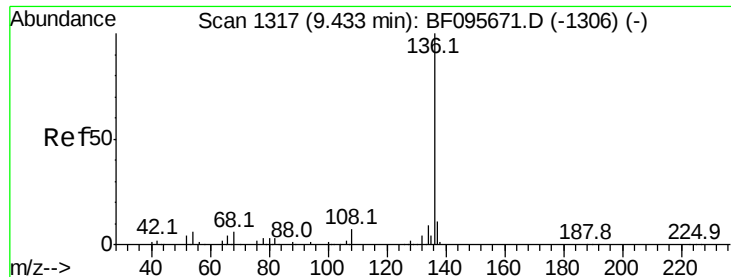


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

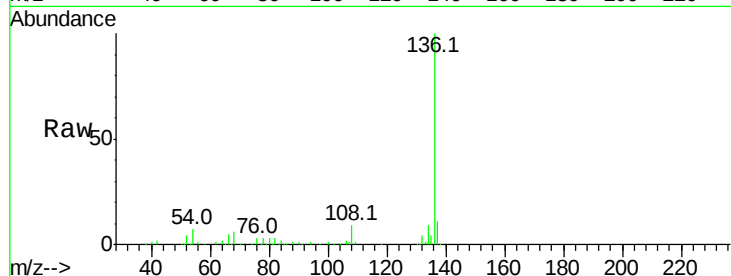




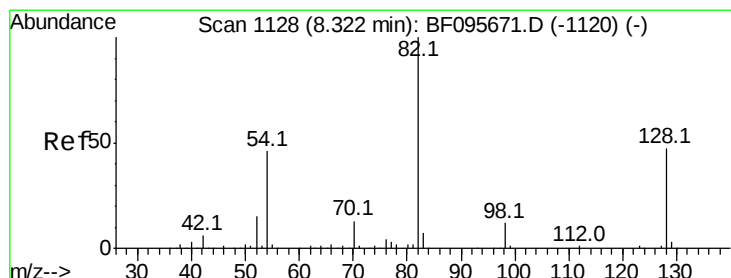
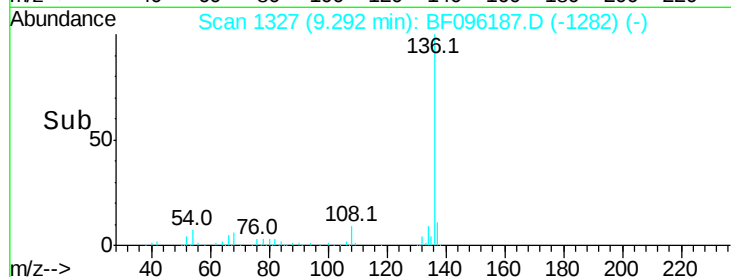
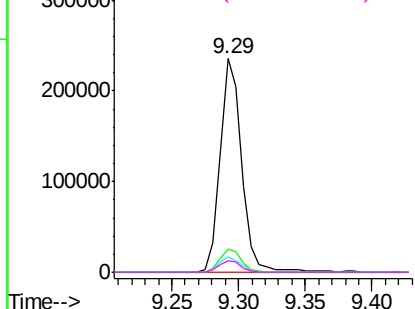
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.29 min Scan# 1327
Delta R.T. -0.04 min
Lab File: BF096187.D
Acq: 24 Jun 2017 13:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	269627	
Ion Ratio	Lower	Upper	
136 100			
137 11.0	8.5	12.7	
54 7.1	4.9	7.3	
68 5.5	4.1	6.1	

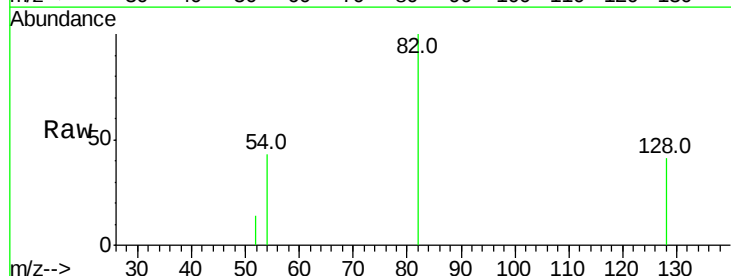


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

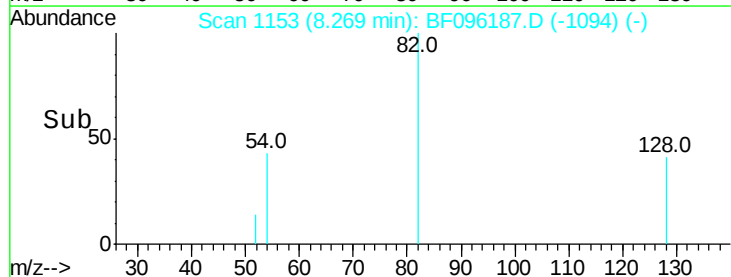
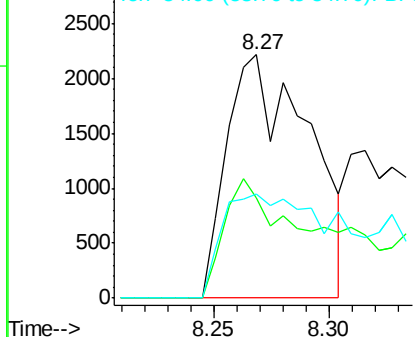


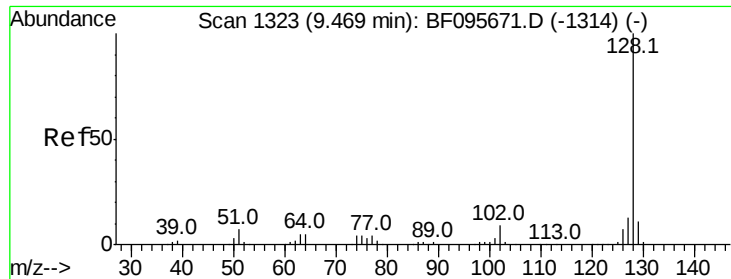
#23
Nitrobenzene-d5
Concen: 1.26 ng
RT: 8.27 min Scan# 1153
Delta R.T. 0.05 min
Lab File: BF096187.D
Acq: 24 Jun 2017 13:27

Tgt Ion: 82	Resp: 5454
Ion Ratio	Lower Upper
82 100	
128 41.2	34.0 51.0
54 43.0	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

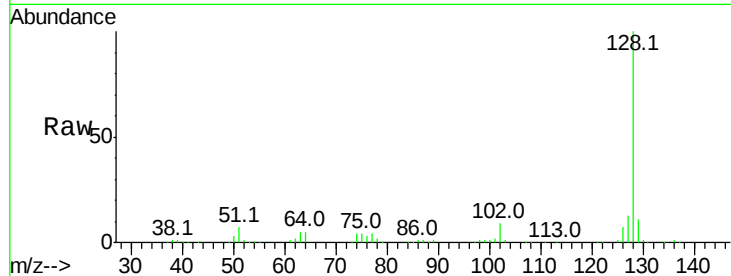




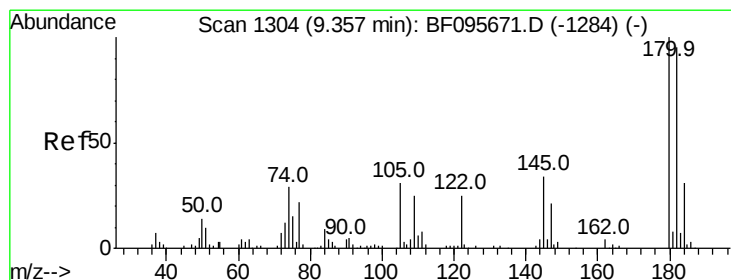
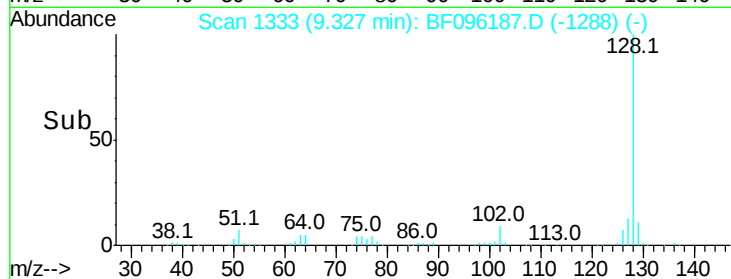
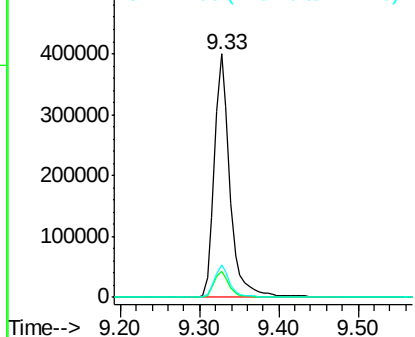
#31
Naphthalene
Concen: 40.50 ng
RT: 9.33 min Scan# 1333
Delta R.T. -0.04 min
Lab File: BF096187.D
Acq: 24 Jun 2017 13:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 548087
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.6
127 13.5 10.8 16.2

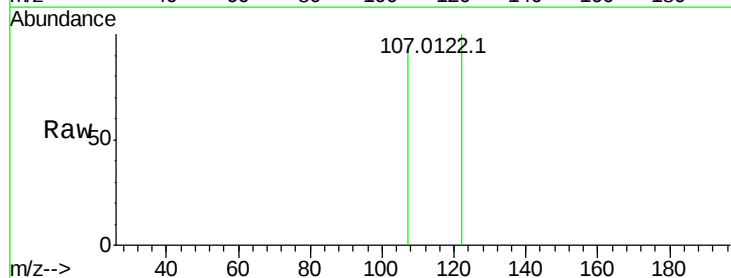


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

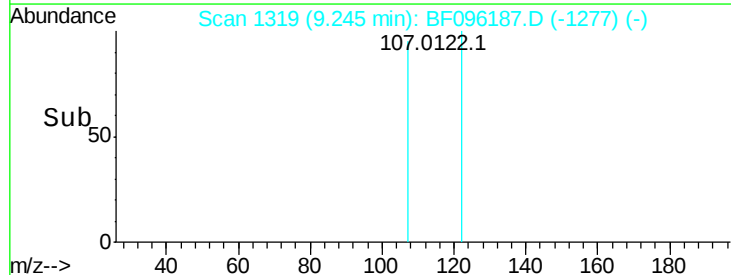
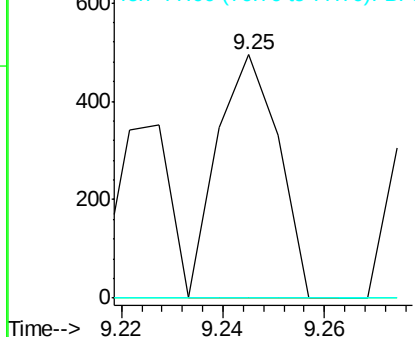


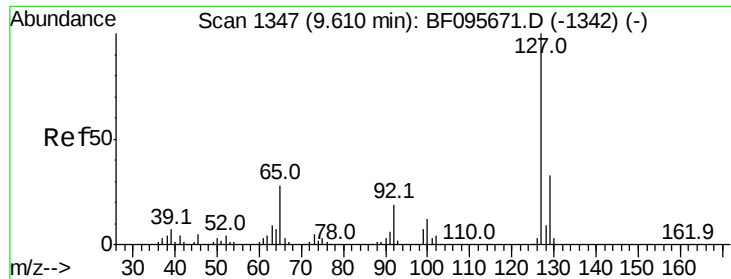
#32
Benzoic acid
Concen: 5.27 ng
RT: 9.25 min Scan# 1319
Delta R.T. -0.05 min
Lab File: BF096187.D
Acq: 24 Jun 2017 13:27

Tgt Ion:122 Resp: 414
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 0.0 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

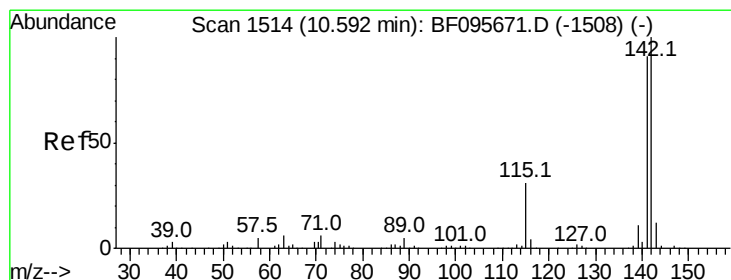
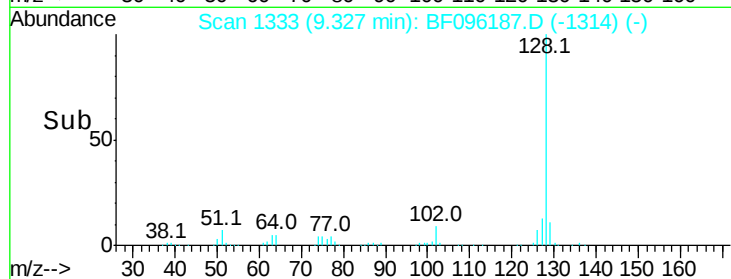
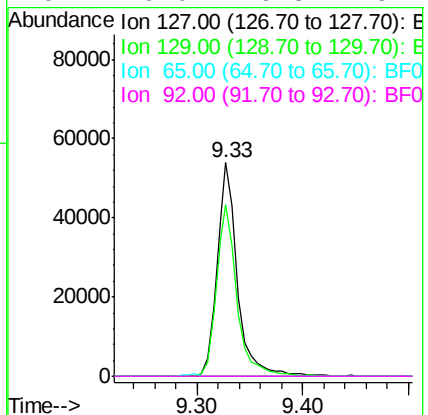
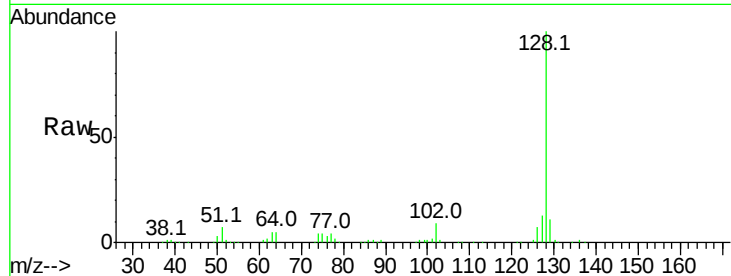




#33
 4-Chloroaniline
 Concen: 13.74 ng
 RT: 9.33 min Scan# 1333
 Delta R.T. -0.19 min
 Lab File: BF096187.D
 Acq: 24 Jun 2017 13:27

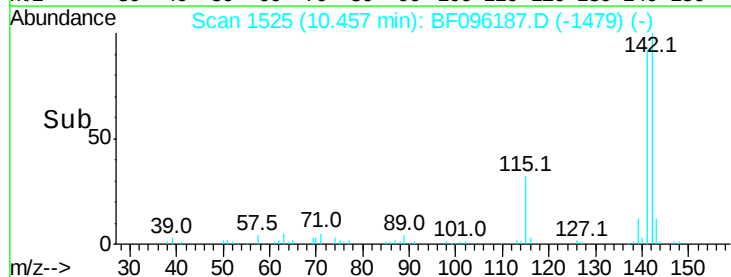
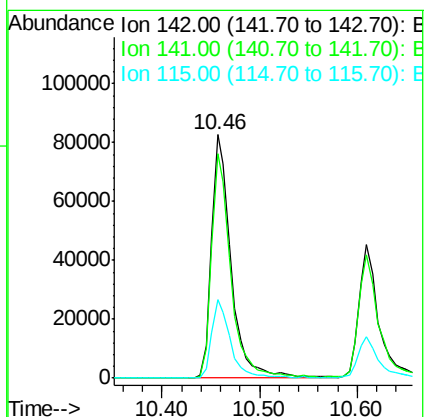
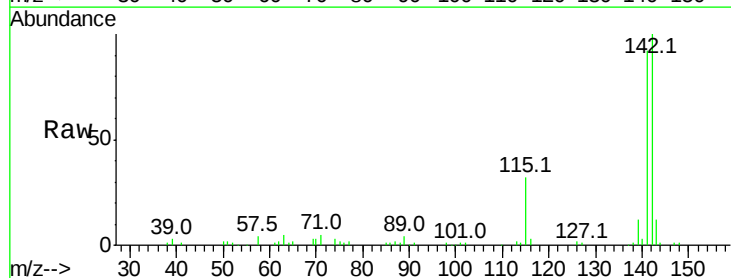
Instrument :
 BNA_F
 ClientSampleId :

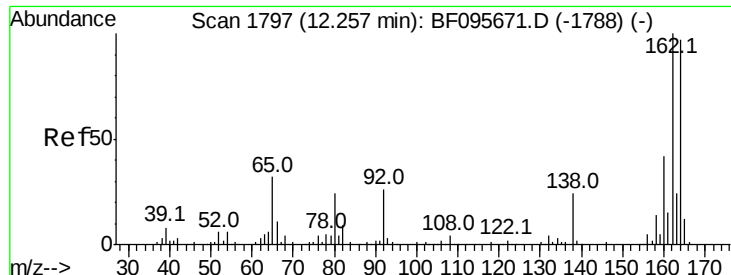
Tot Ion	Ratio	Lower	Upper
127	100		
129	80.5	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



#37
 2-Methylnaphthalene
 Concen: 12.57 ng
 RT: 10.46 min Scan# 1525
 Delta R.T. -0.03 min
 Lab File: BF096187.D
 Acq: 24 Jun 2017 13:27

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.2	71.3	106.9
115	32.2	27.1	40.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.12 min Scan# 1807

Delta R.T. -0.04 min

Lab File: BF096187.D

Acq: 24 Jun 2017 13:27

Instrument :

BNA_F

ClientSampleId :

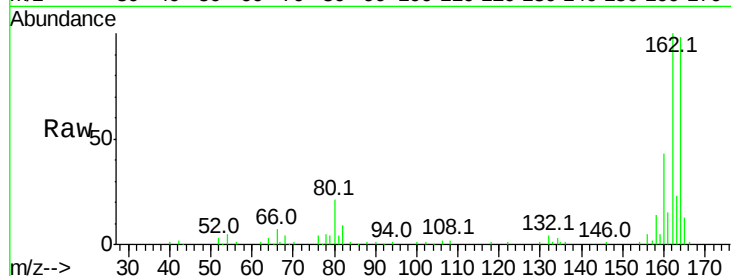
Tot Ion:164 Resp: 108946

Ion Ratio Lower Upper

164 100

162 102.3 82.6 123.8

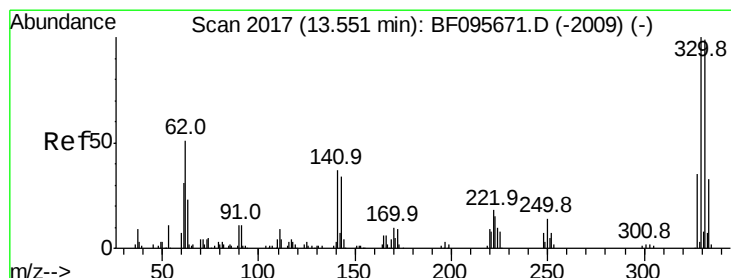
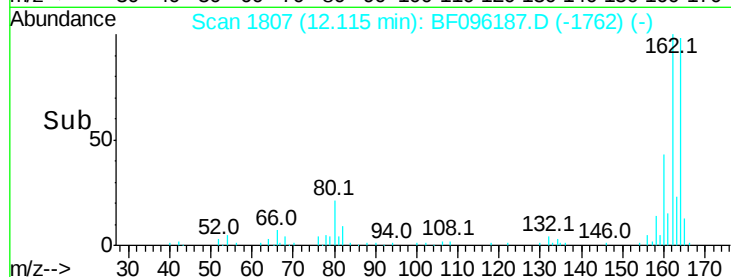
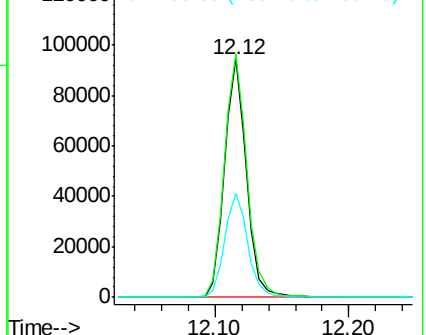
160 43.7 36.2 54.2



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: 2.56 ng

RT: 13.45 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF096187.D

Acq: 24 Jun 2017 13:27

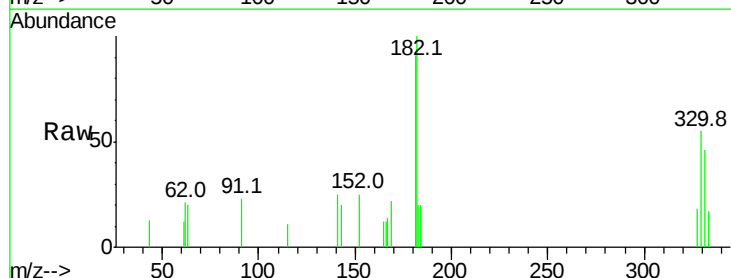
Tgt Ion:330 Resp: 2471

Ion Ratio Lower Upper

330 100

332 93.6 76.6 115.0

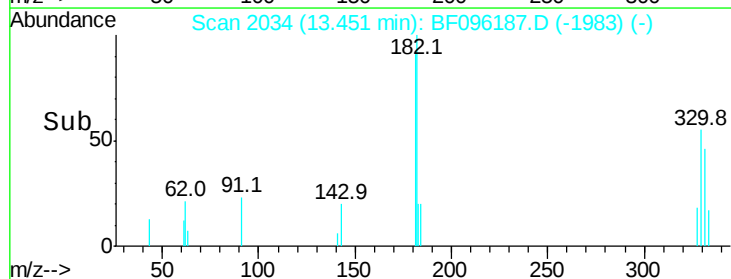
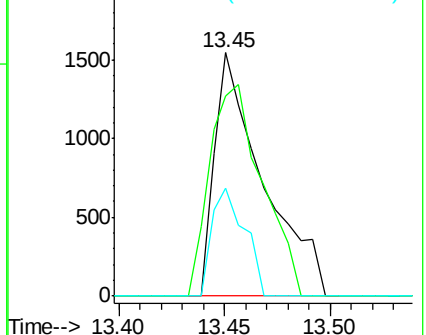
141 29.7 31.4 47.2#

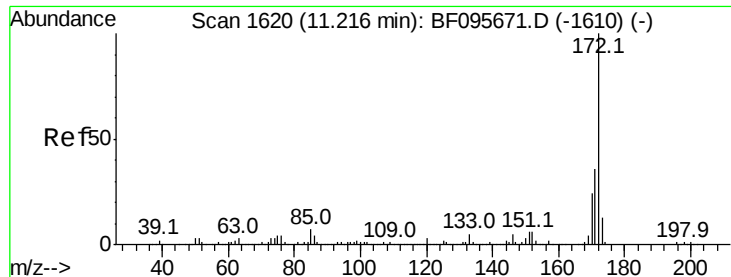


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

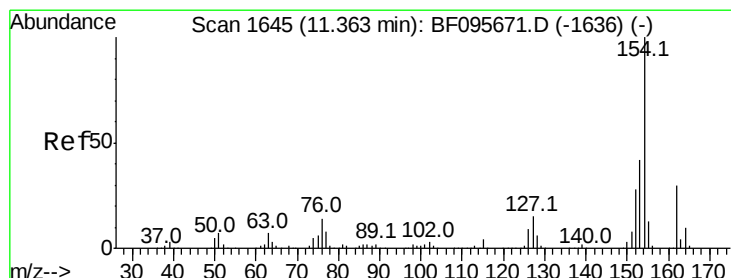
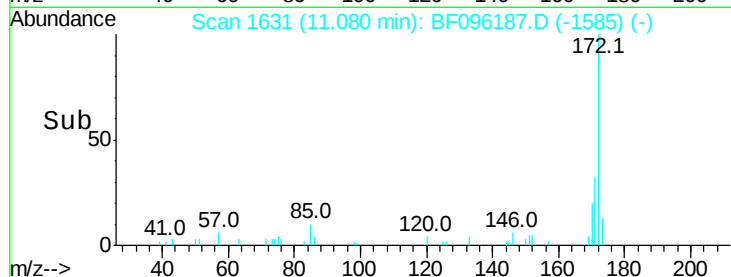
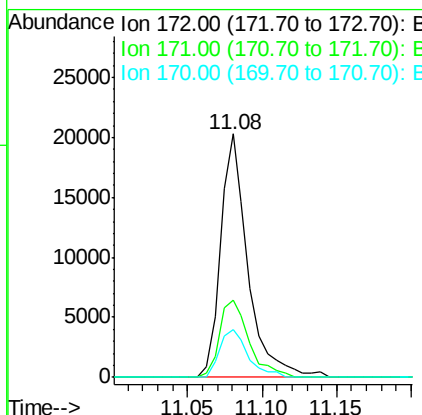
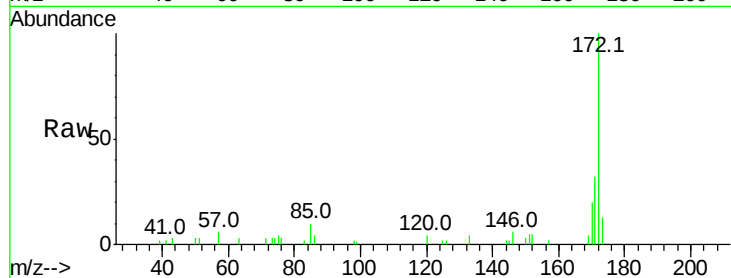




#44
2-Fluorobiphenyl
Concen: 3.32 ng
RT: 11.08 min Scan# 1631
Delta R.T. -0.03 min
Lab File: BF096187.D
Acq: 24 Jun 2017 13:27

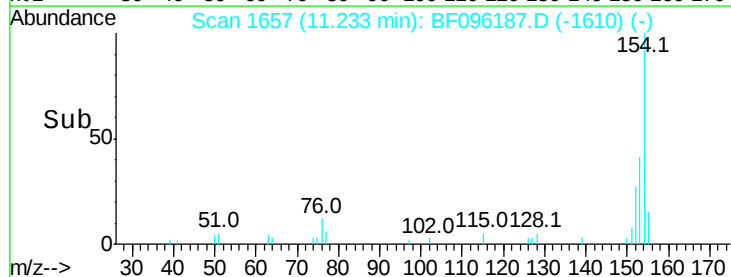
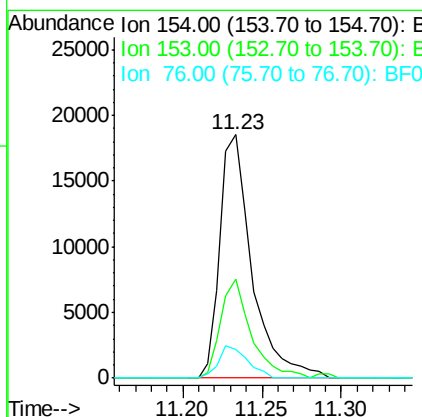
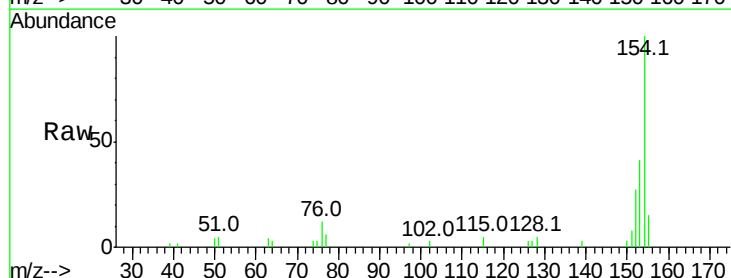
Instrument :
BNA_F
ClientSampled :

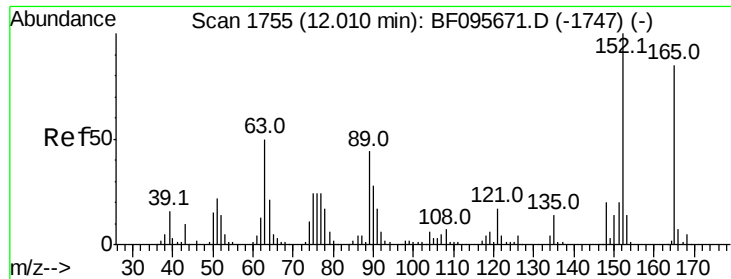
Tot Ion:172 Resp: 25986
Ion Ratio Lower Upper
172 100
171 31.9 29.6 44.4
170 19.7 19.8 29.8#



#45
1,1'-Biphenyl
Concen: 2.90 ng
RT: 11.23 min Scan# 1657
Delta R.T. -0.02 min
Lab File: BF096187.D
Acq: 24 Jun 2017 13:27

Tgt Ion:154 Resp: 26077
Ion Ratio Lower Upper
154 100
153 40.7 21.2 61.2
76 11.8 0.0 29.9

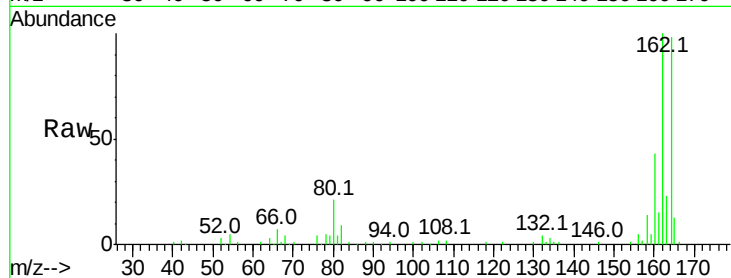




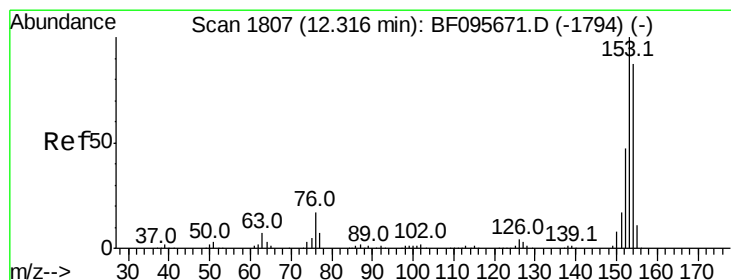
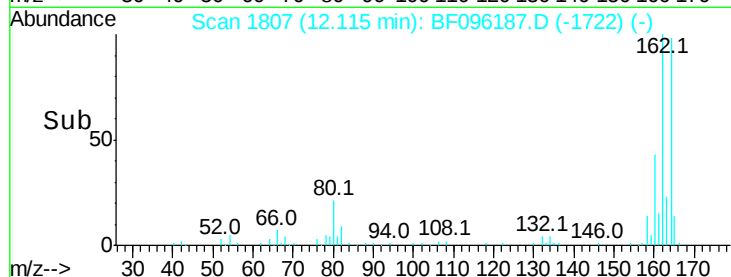
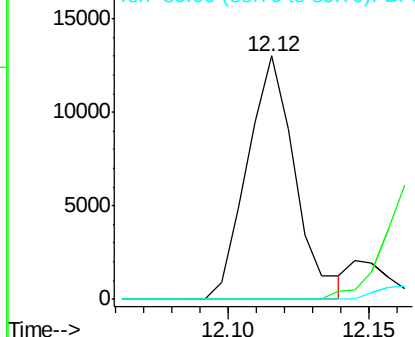
#50
2,6-Dinitrotoluene
Concen: 8.47 ng
RT: 12.12 min Scan# 1807
Delta R.T. 0.20 min
Lab File: BF096187.D
Acq: 24 Jun 2017 13:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 15284
Ion Ratio Lower Upper
165 100
63 0.0 34.3 51.5#
89 0.0 37.1 55.7#

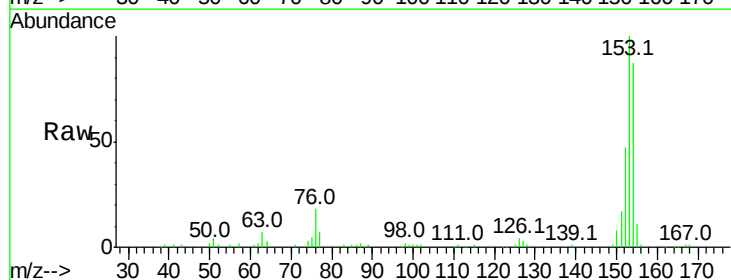


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

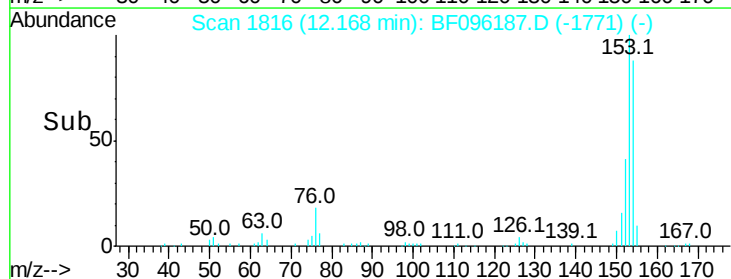
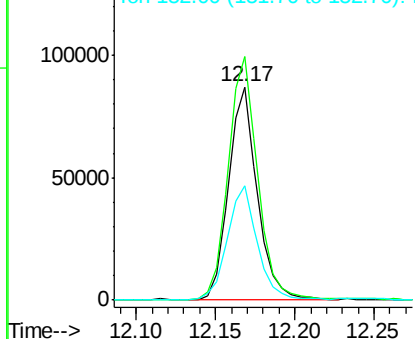


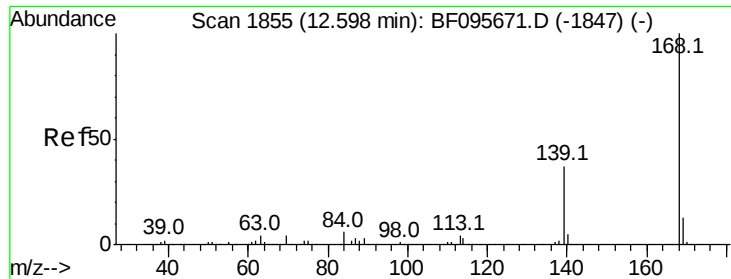
#51
Acenaphthene
Concen: 15.80 ng
RT: 12.17 min Scan# 1816
Delta R.T. -0.04 min
Lab File: BF096187.D
Acq: 24 Jun 2017 13:27

Tgt Ion:154 Resp: 109492
Ion Ratio Lower Upper
154 100
153 114.3 90.5 135.7
152 53.4 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 15.18 ng

RT: 12.46 min Scan# 1866

Delta R.T. -0.03 min

Lab File: BF096187.D

Acq: 24 Jun 2017 13:27

Instrument :

BNA_F

ClientSampleId :

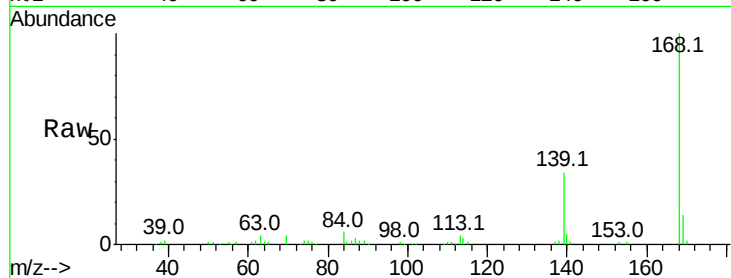
Tot Ion:168 Resp: 148016

Ion Ratio Lower Upper

168 100

139 33.8 30.6 45.8

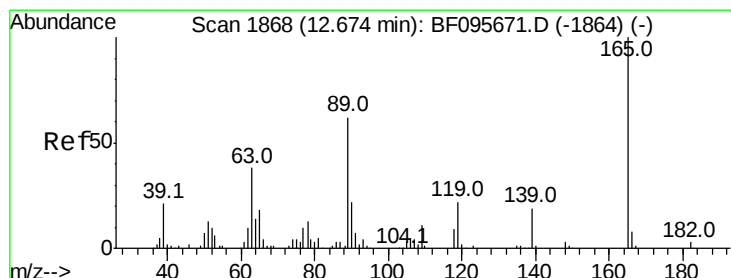
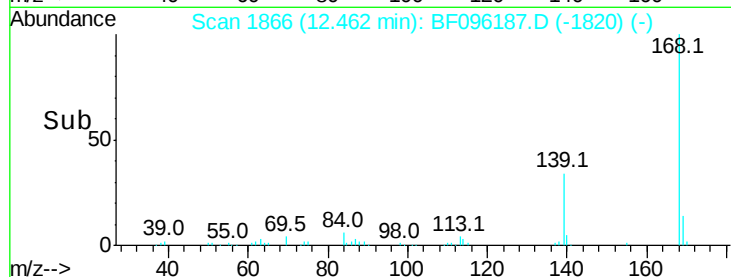
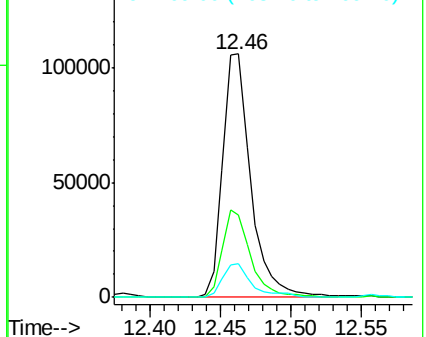
169 13.8 10.8 16.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 45.15 ng

RT: 12.46 min Scan# 1865

Delta R.T. -0.18 min

Lab File: BF096187.D

Acq: 24 Jun 2017 13:27

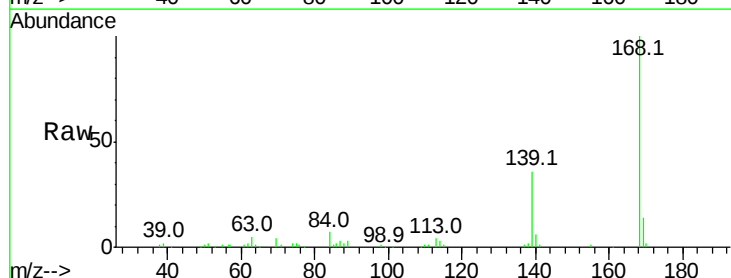
Tgt Ion:139 Resp: 52792

Ion Ratio Lower Upper

139 100

109 1.0 34.1 74.1#

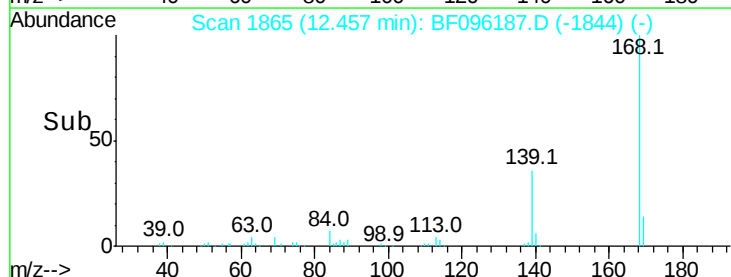
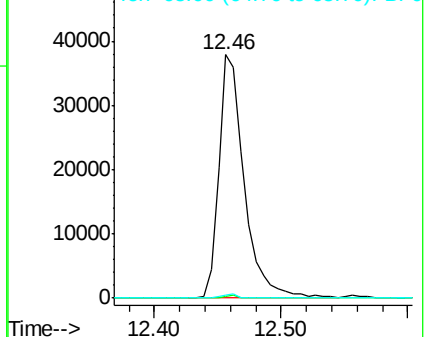
65 1.2 31.4 71.4#

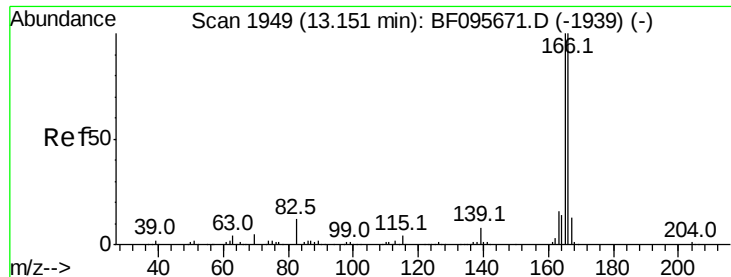


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#57

Fluorene

Concen: 20.67 ng

RT: 13.01 min Scan# 1959

Delta R.T. -0.04 min

Lab File: BF096187.D

Acq: 24 Jun 2017 13:27

Instrument :

BNA_F

ClientSampleId :

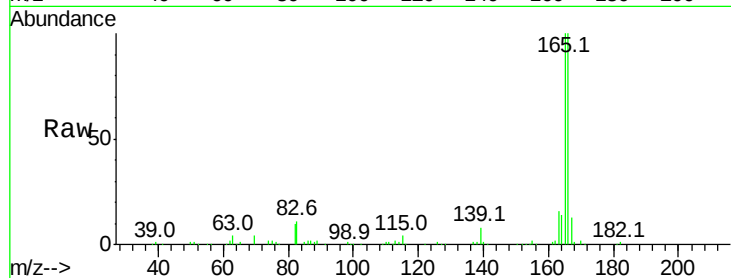
Tot Ion:166 Resp: 175422

Ion Ratio Lower Upper

166 100

165 99.6 78.8 118.2

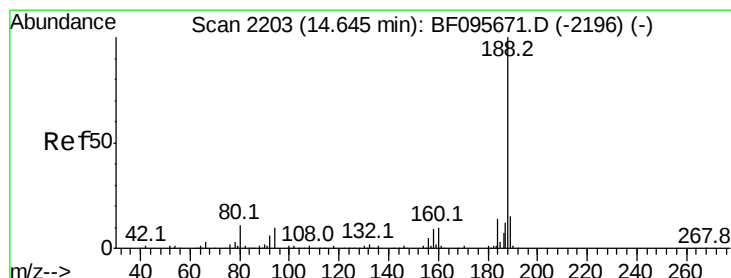
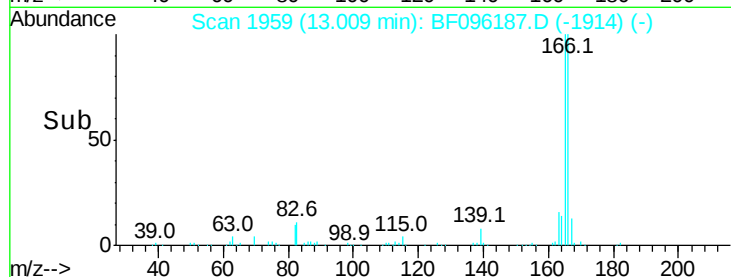
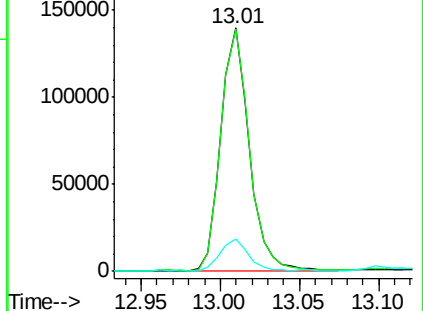
167 13.3 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.51 min Scan# 2214

Delta R.T. -0.03 min

Lab File: BF096187.D

Acq: 24 Jun 2017 13:27

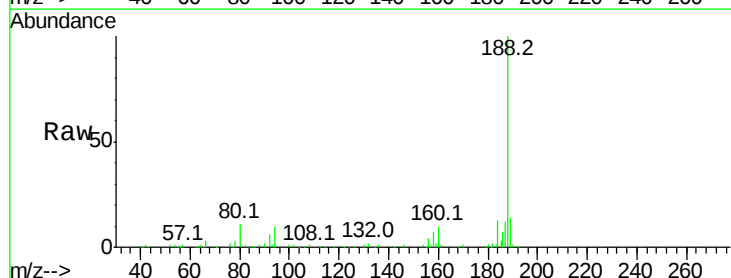
Tgt Ion:188 Resp: 169042

Ion Ratio Lower Upper

188 100

94 10.2 9.4 14.2

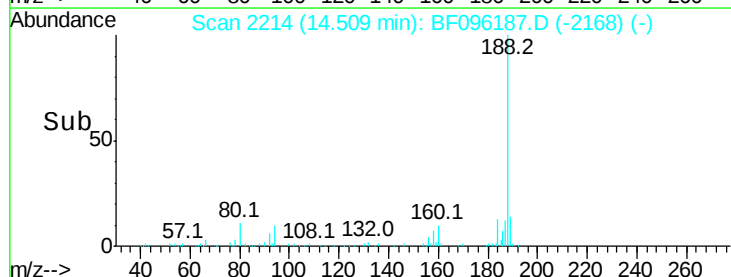
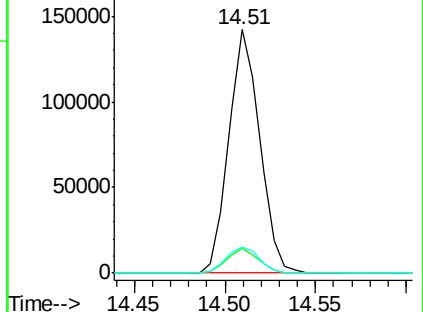
80 10.5 10.2 15.2

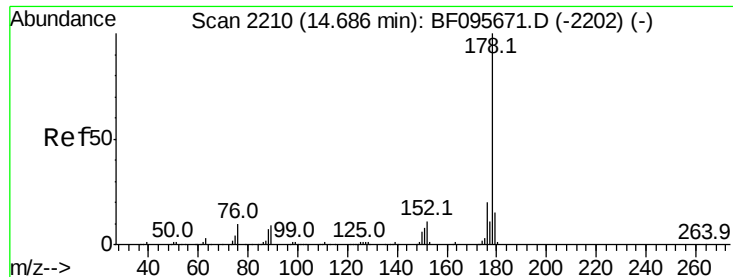


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

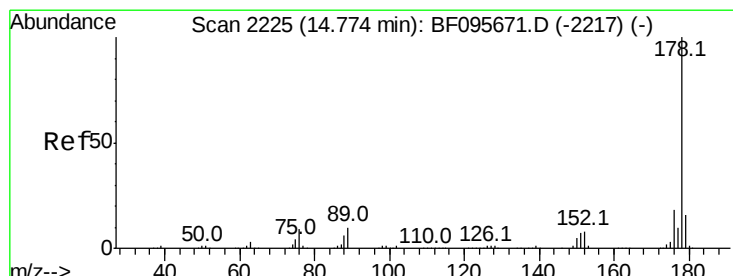
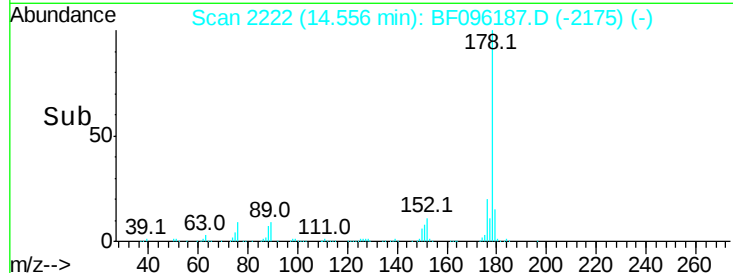
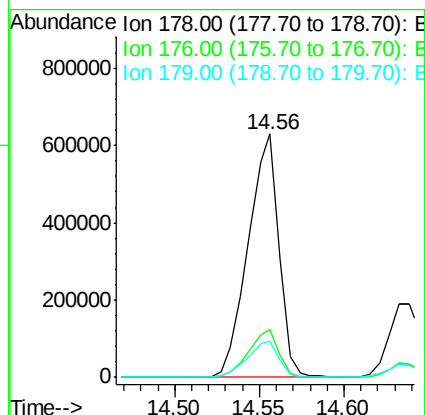
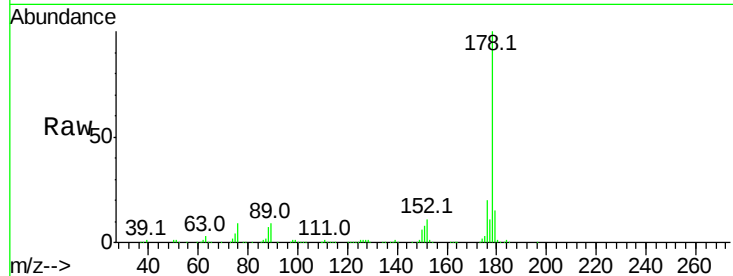




#70
Phenanthrene
Concen: 82.09 ng
RT: 14.56 min Scan# 2222
Delta R.T. -0.02 min
Lab File: BF096187.D
Acq: 24 Jun 2017 13:27

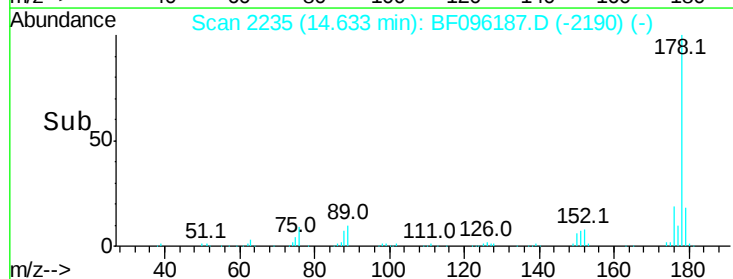
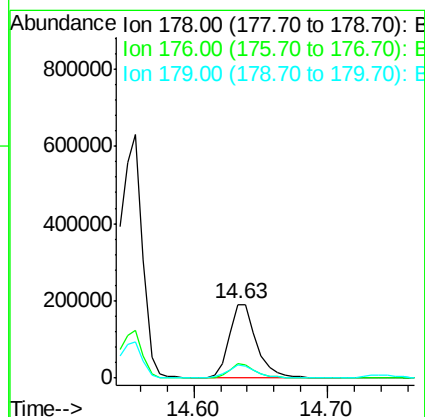
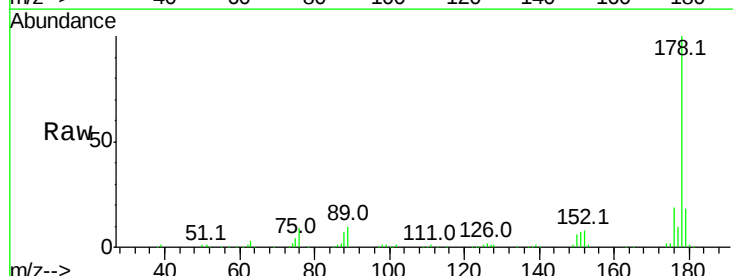
Instrument :
BNA_F
ClientSampleId :

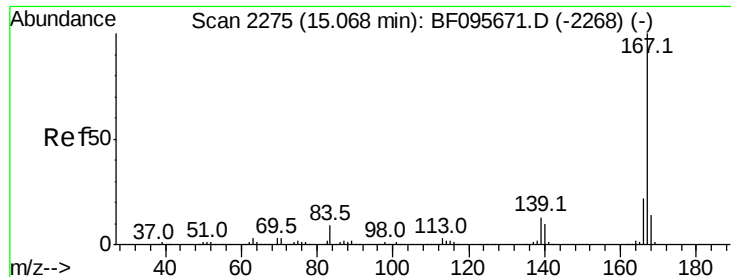
Tot Ion:178 Resp: 800715
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.4
179 14.9 12.6 19.0



#71
Anthracene
Concen: 26.78 ng
RT: 14.63 min Scan# 2235
Delta R.T. -0.04 min
Lab File: BF096187.D
Acq: 24 Jun 2017 13:27

Tgt Ion:178 Resp: 272714
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 17.9 12.7 19.1

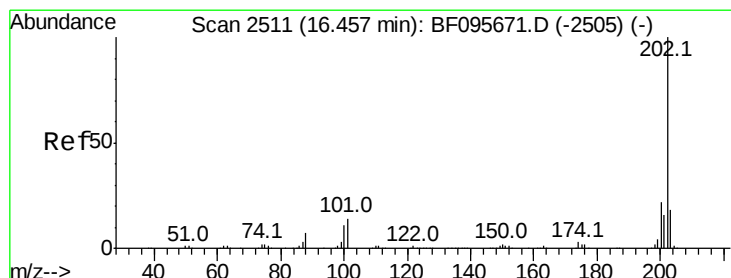
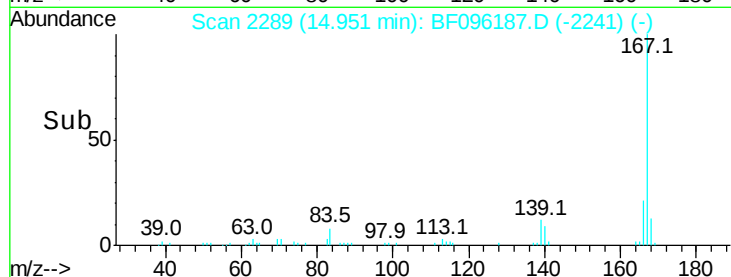
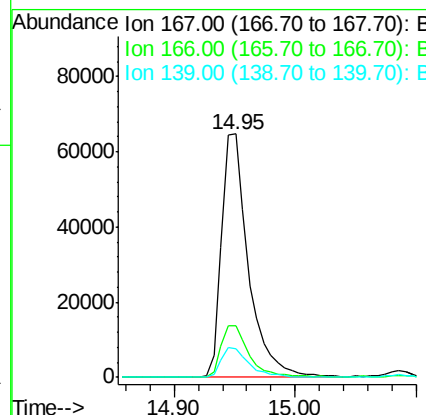
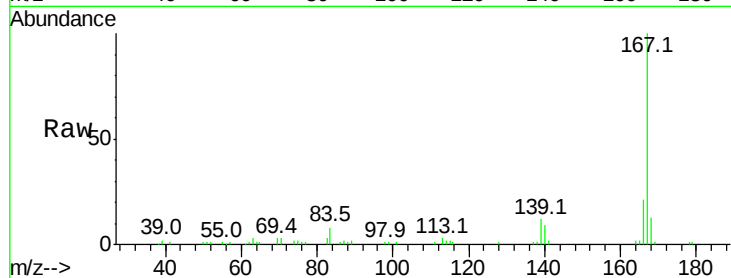




#72
 Carbazole
 Concen: 10.03 ng
 RT: 14.95 min Scan# 2289
 Delta R.T. -0.02 min
 Lab File: BF096187.D
 Acq: 24 Jun 2017 13:27

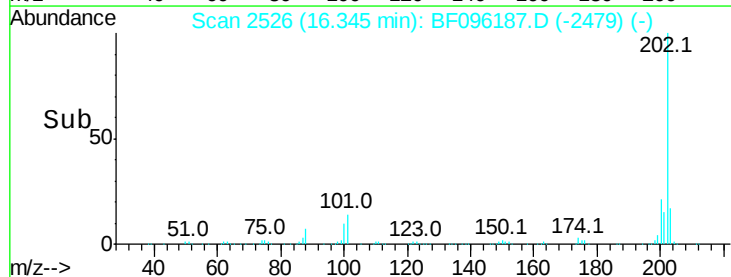
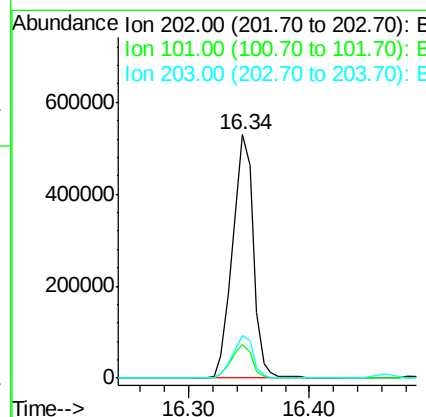
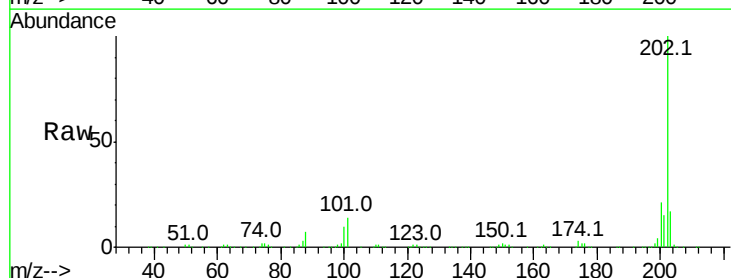
Instrument :
 BNA_F
 ClientSampleId :

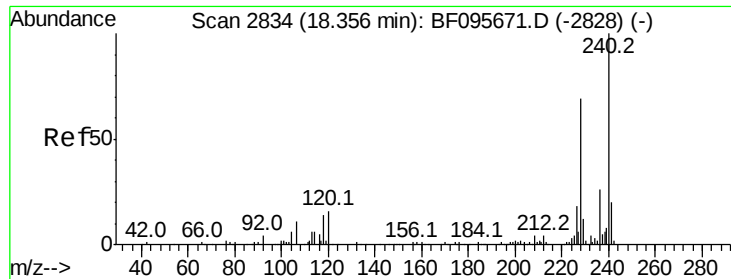
Tot Ion:167 Resp: 99481
 Ion Ratio Lower Upper
 167 100
 166 21.4 18.1 27.1
 139 11.8 11.7 17.5



#74
 Fluoranthene
 Concen: 66.12 ng
 RT: 16.34 min Scan# 2526
 Delta R.T. -0.02 min
 Lab File: BF096187.D
 Acq: 24 Jun 2017 13:27

Tgt Ion:202 Resp: 638309
 Ion Ratio Lower Upper
 202 100
 101 14.1 0.0 33.2
 203 17.3 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.25 min Scan# 2850

Delta R.T. -0.02 min

Lab File: BF096187.D

Acq: 24 Jun 2017 13:27

Instrument :

BNA_F

ClientSampleId :

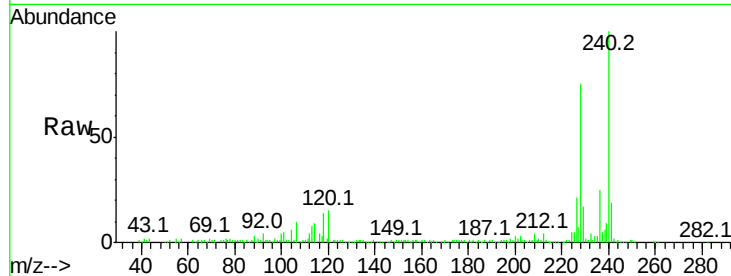
Tot Ion:240 Resp: 138513

Ion Ratio Lower Upper

240 100

120 14.9 5.8 8.8#

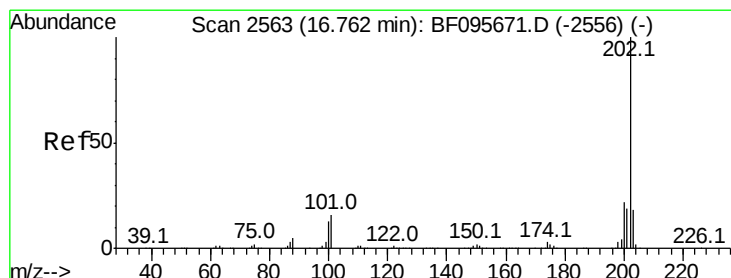
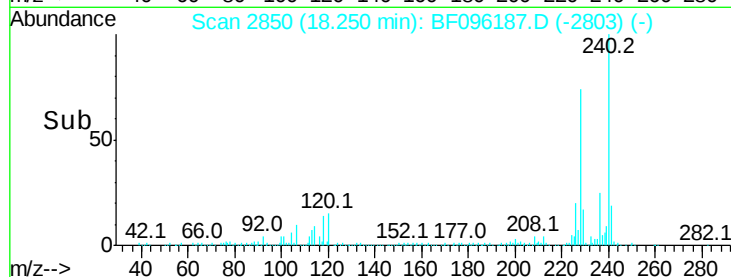
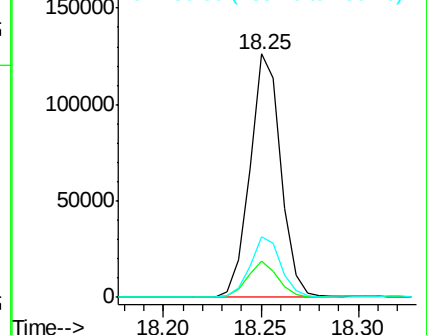
236 24.9 20.5 30.7



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: 48.82 ng

RT: 16.65 min Scan# 2578

Delta R.T. -0.02 min

Lab File: BF096187.D

Acq: 24 Jun 2017 13:27

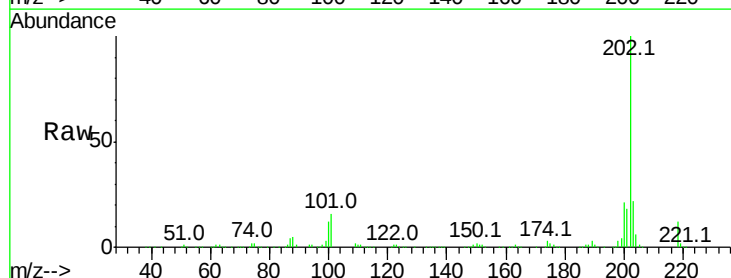
Tgt Ion:202 Resp: 504517

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

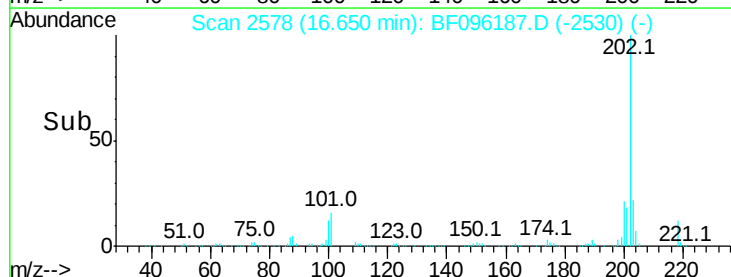
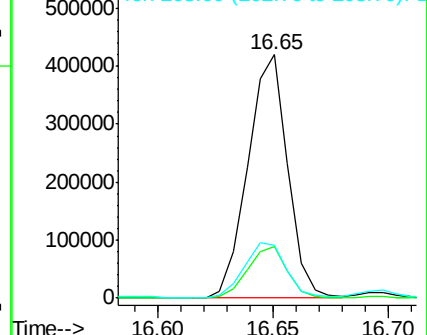
203 22.0 14.4 21.6#

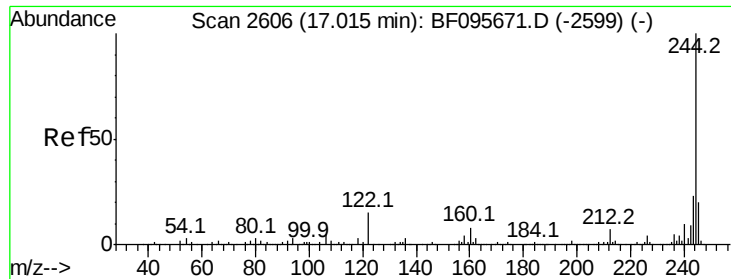


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

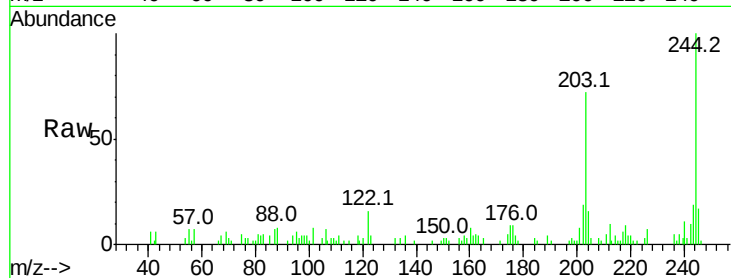




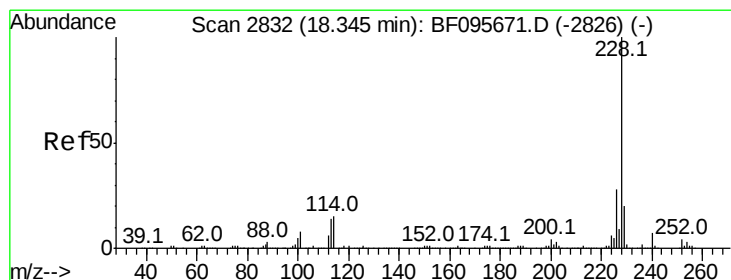
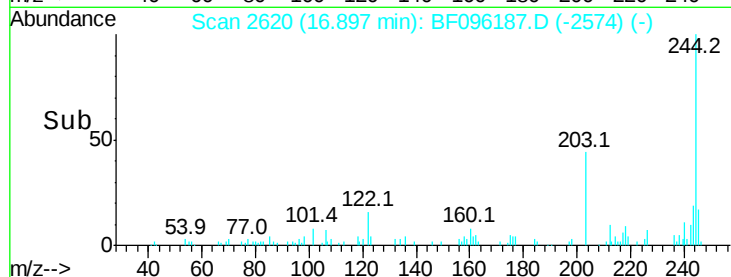
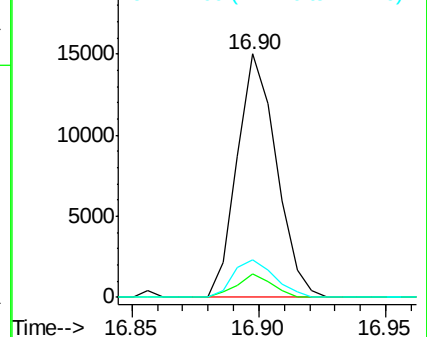
#78
 Terphenyl-d14
 Concen: 2.91 ng
 RT: 16.90 min Scan# 2620
 Delta R.T. -0.03 min
 Lab File: BF096187.D
 Acq: 24 Jun 2017 13:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 16215
 Ion Ratio Lower Upper
 244 100
 212 9.8 6.0 9.0#
 122 15.7 10.3 15.5#

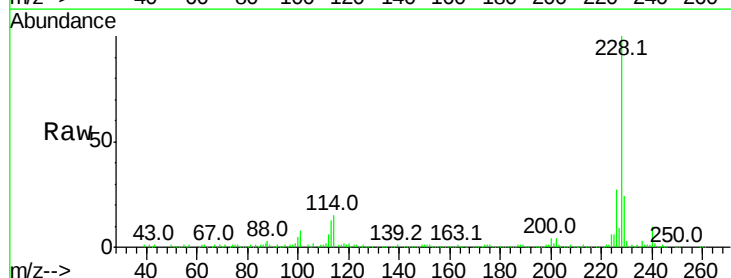


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

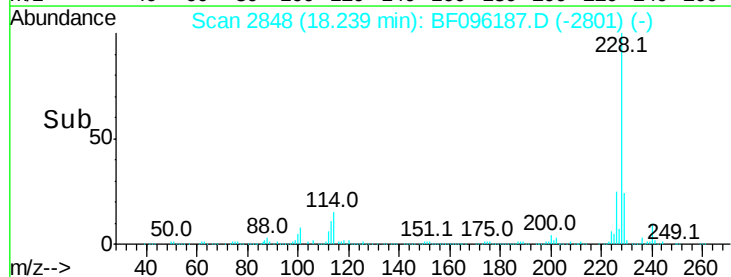
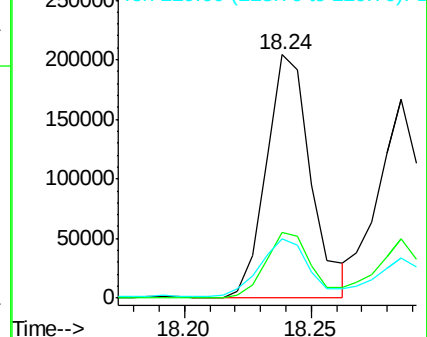


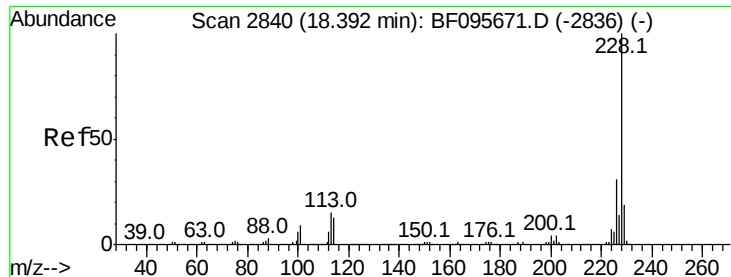
#80
 Benzo(a)anthracene
 Concen: 31.20 ng
 RT: 18.24 min Scan# 2848
 Delta R.T. -0.02 min
 Lab File: BF096187.D
 Acq: 24 Jun 2017 13:27

Tgt Ion:228 Resp: 251298
 Ion Ratio Lower Upper
 228 100
 226 26.9 22.6 33.8
 229 24.2 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: 24.99 ng

RT: 18.29 min Scan# 2856

Delta R.T. -0.02 min

Lab File: BF096187.D

Acq: 24 Jun 2017 13:27

Instrument :

BNA_F

ClientSampleId :

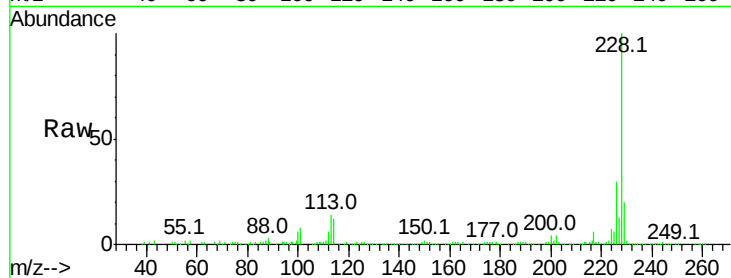
Tot Ion:228 Resp: 201118

Ion Ratio Lower Upper

228 100

226 30.0 24.9 37.3

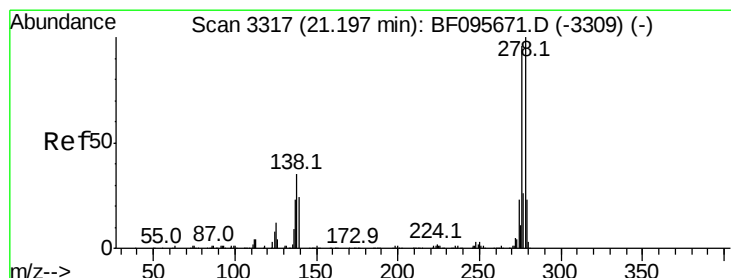
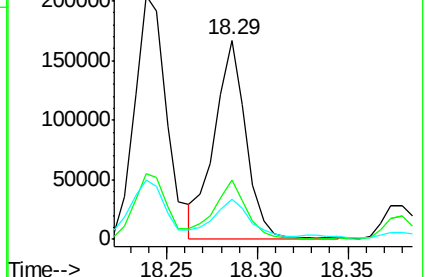
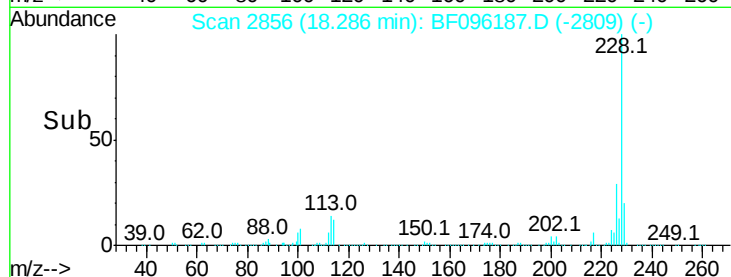
229 20.0 15.8 23.6



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: 11.09 ng

RT: 21.09 min Scan# 3333

Delta R.T. -0.01 min

Lab File: BF096187.D

Acq: 24 Jun 2017 13:27

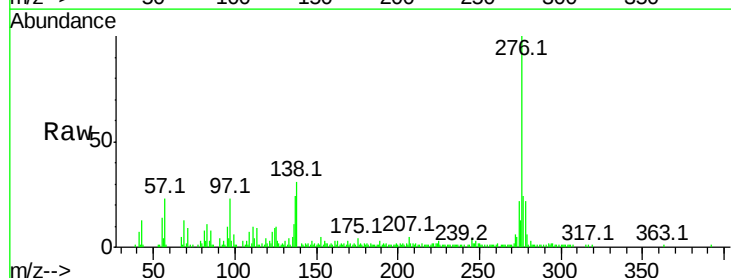
Tgt Ion:276 Resp: 76372

Ion Ratio Lower Upper

276 100

138 24.6 27.8 41.6#

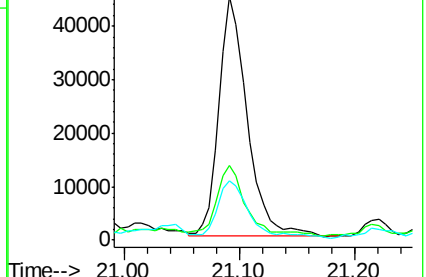
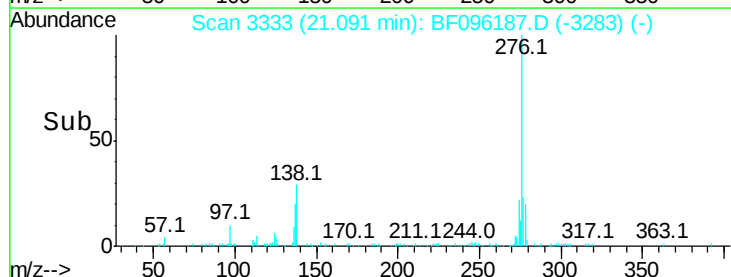
277 26.1 20.2 30.4

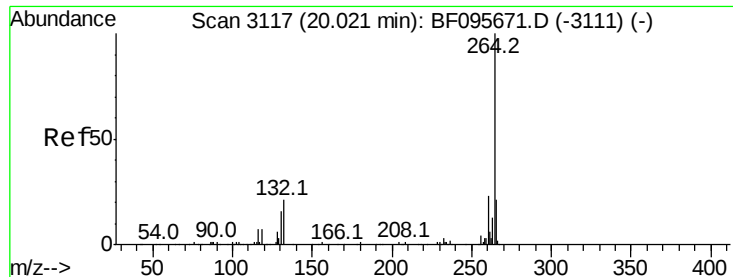


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

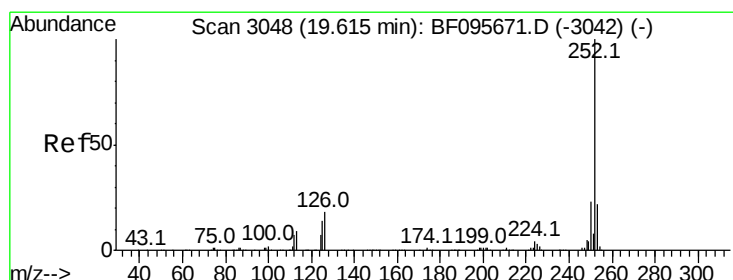
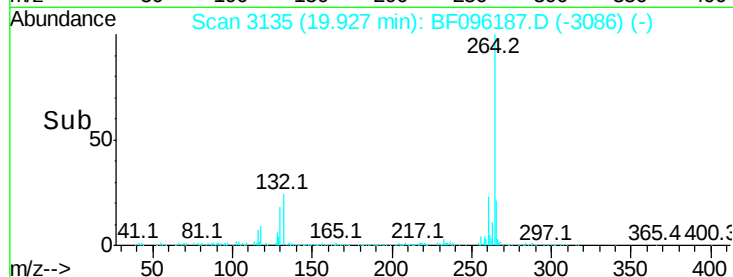
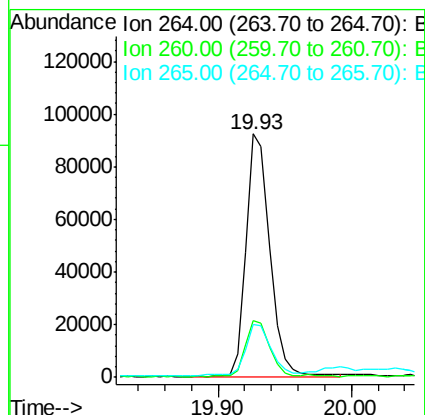
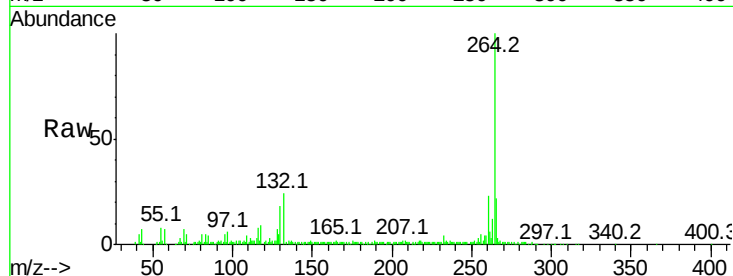




#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.93 min Scan# 3135
Delta R.T. -0.01 min
Lab File: BF096187.D
Acq: 24 Jun 2017 13:27

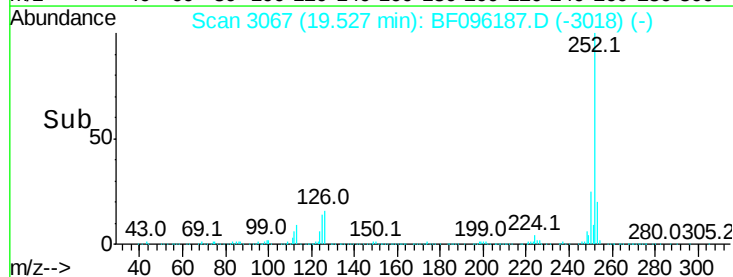
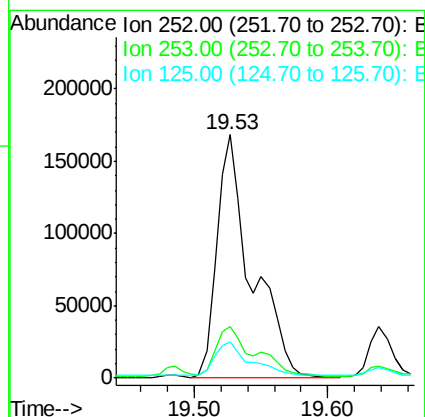
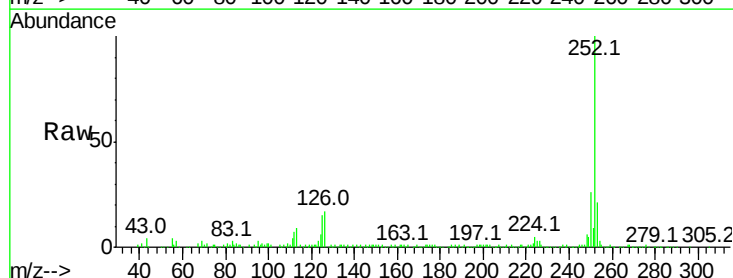
Instrument :
BNA_F
ClientSampleId :

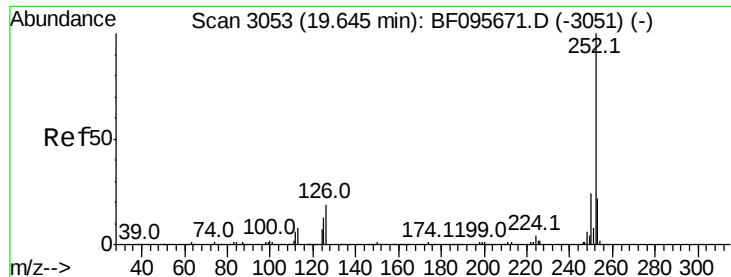
Tot Ion:264 Resp: 114910
Ion Ratio Lower Upper
264 100
260 23.4 19.5 29.3
265 21.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 42.05 ng
RT: 19.53 min Scan# 3067
Delta R.T. -0.01 min
Lab File: BF096187.D
Acq: 24 Jun 2017 13:27

Tgt Ion:252 Resp: 302577
Ion Ratio Lower Upper
252 100
253 21.3 18.1 27.1
125 15.0 9.8 14.8#

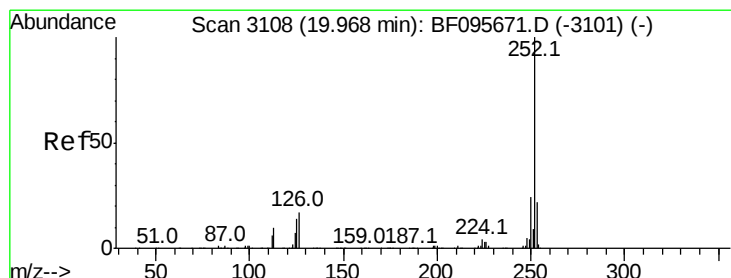
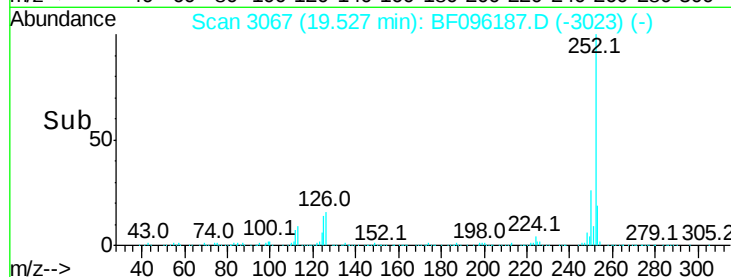
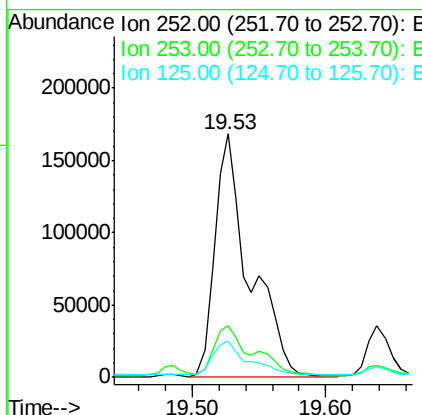
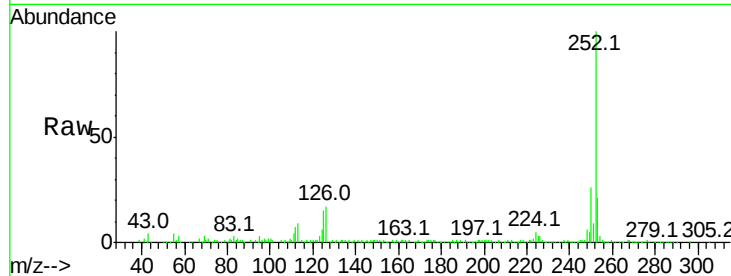




#88
Benzo(k)fluoranthene
Concen: 43.99 ng
RT: 19.53 min Scan# 3067
Delta R.T. -0.04 min
Lab File: BF096187.D
Acq: 24 Jun 2017 13:27

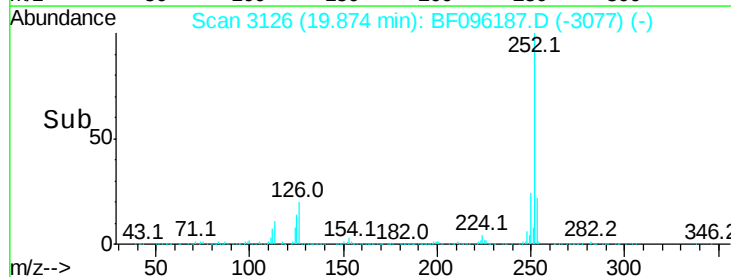
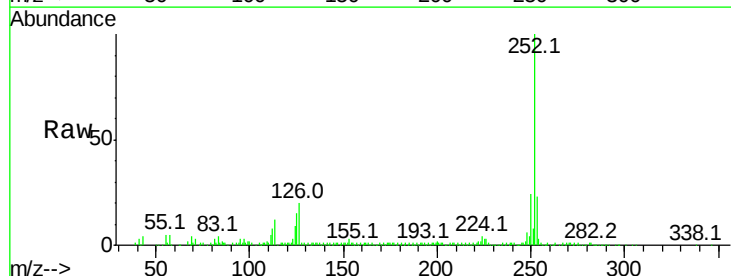
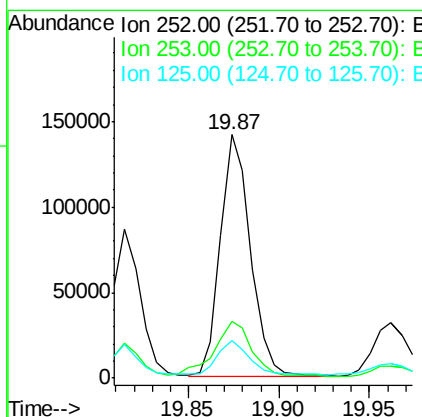
Instrument :
BNA_F
ClientSampleId :

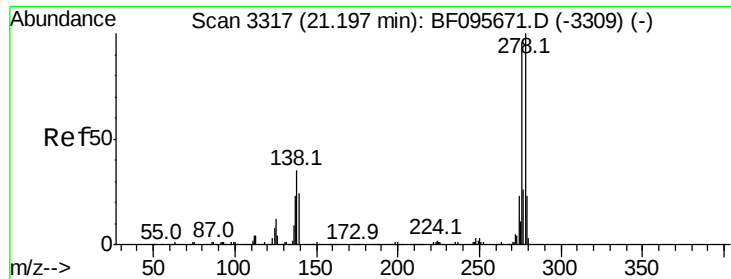
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.4	27.6
125	15.0	13.1	19.7



#89
Benzo(a)pyrene
Concen: 25.03 ng
RT: 19.87 min Scan# 3126
Delta R.T. -0.01 min
Lab File: BF096187.D
Acq: 24 Jun 2017 13:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	15.2	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 3.61 ng

RT: 21.09 min Scan# 3333

Delta R.T. -0.01 min

Lab File: BF096187.D

Acq: 24 Jun 2017 13:27

Instrument :

BNA_F

ClientSampleId :

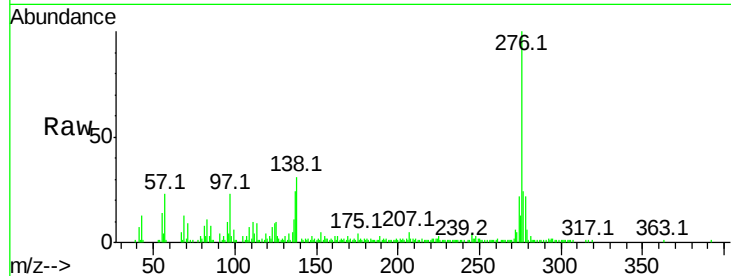
Tot Ion:278 Resp: 20232

Ion Ratio Lower Upper

278 100

139 0.0 16.6 24.8#

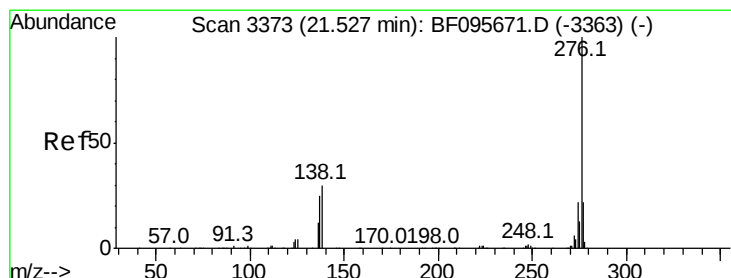
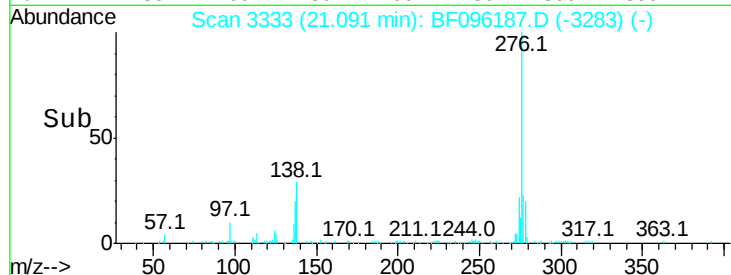
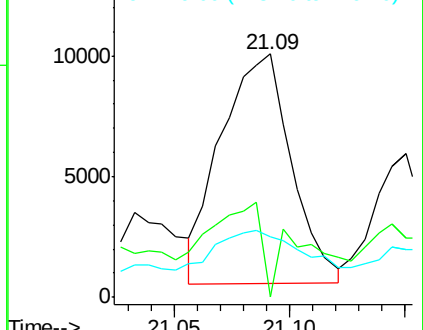
279 24.9 19.3 28.9



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: 11.65 ng

RT: 21.41 min Scan# 3388

Delta R.T. -0.01 min

Lab File: BF096187.D

Acq: 24 Jun 2017 13:27

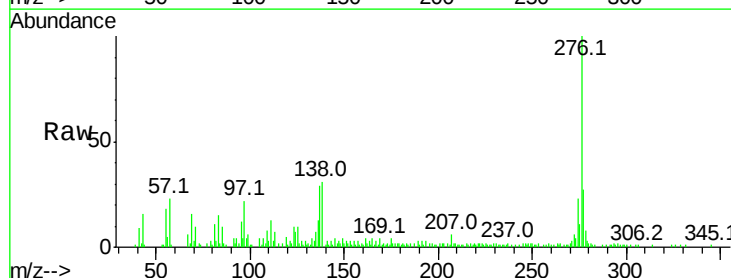
Tgt Ion:276 Resp: 66608

Ion Ratio Lower Upper

276 100

277 26.9 18.6 28.0

138 30.8 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

