

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
 Data File : BF096263.D
 Acq On : 28 Jun 2017 21:36
 Operator : SJ/MA
 Sample : I3852-16 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 29 01:38:01 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	145982	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	573943	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	226705	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	377225	20.00	ng	0.01
75) Chrysene-d12	13.93	240	341918	20.00	ng	0.01
86) Perylene-d12	15.36	264	256424	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	215635	21.28	ng	0.00
7) Phenol-d6	6.40	99	258868	21.10	ng	0.01
23) Nitrobenzene-d5	7.33	82	127731	15.41	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	46209	25.90	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	228146	18.43	ng	-0.01
78) Terphenyl-d14	12.87	244	193301	14.11	ng	0.00

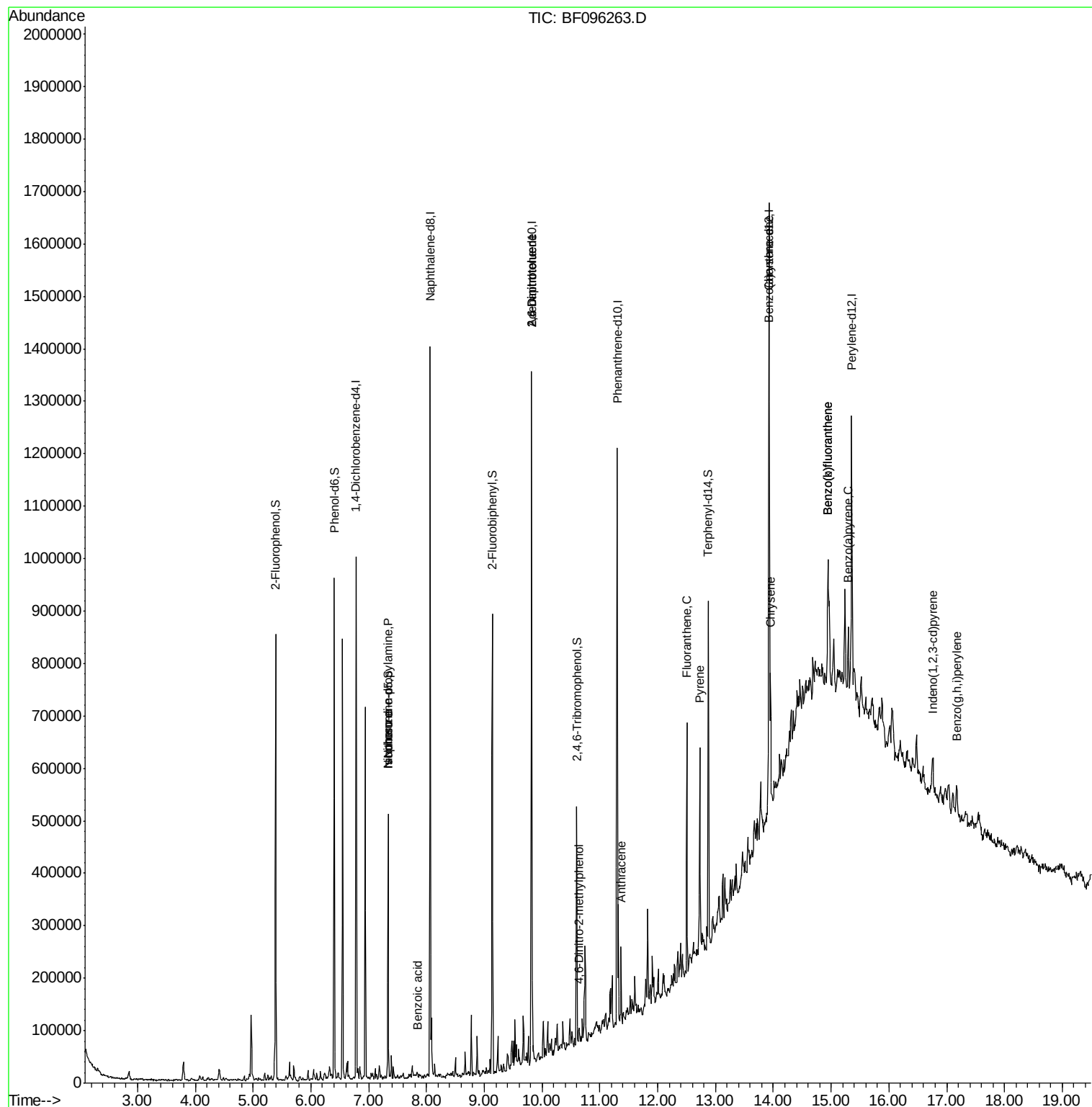
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.32	77	3135	Below Cal	#	71
19) n-Nitroso-di-n-propylamine	7.33	70	16728	2.28	ng	88
25) Isophorone	7.33	82	127599	6.78	ng	67
32) Benzoic acid	7.85	122	294	8.83	ng	33
50) 2,6-Dinitrotoluene	9.82	165	30350	8.99	ng	33
56) 2,4-Dinitrotoluene	9.82	165	30350	7.14	ng	33
57) Fluorene	10.36	166	8372	Below Cal	#	97
64) 4,6-Dinitro-2-methylphenol	10.63	198	154	8.81	ng	1
70) Phenanthrene	11.32	178	77555	Below Cal		98
71) Anthracene	11.37	178	47024	2.23	ng	98
74) Fluoranthene	12.50	202	157302	7.51	ng	93
77) Pyrene	12.73	202	152975	5.44	ng	97
80) Benzo(a)anthracene	13.92	228	86282	4.14	ng	94
82) Chrysene	13.95	228	99654	4.62	ng	96
85) Indeno(1,2,3-cd)pyrene	16.76	276	43758	2.45	ng	98
87) Benzo(b)fluoranthene	14.95	252	174390	10.35	ng	# 89
88) Benzo(k)fluoranthene	14.95	252	174390	11.34	ng	# 93
89) Benzo(a)pyrene	15.30	252	59411	3.99	ng	# 86
91) Benzo(a,h,i)perylene	17.17	276	38898	3.21	ng	# 89

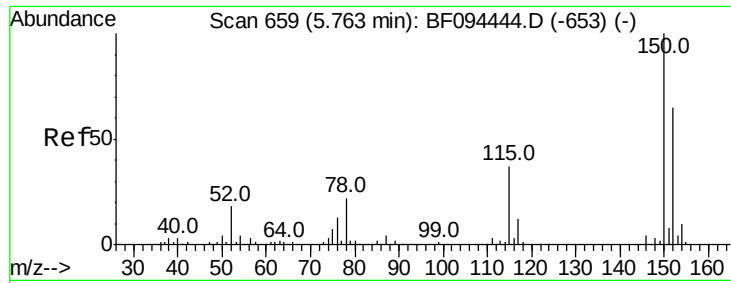
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
Data File : BF096263.D
Acq On : 28 Jun 2017 21:36
Operator : SJ/MA
Sample : I3852-16 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jun 29 01:38:01 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 28 15:41:49 2017
Response via : Initial Calibration



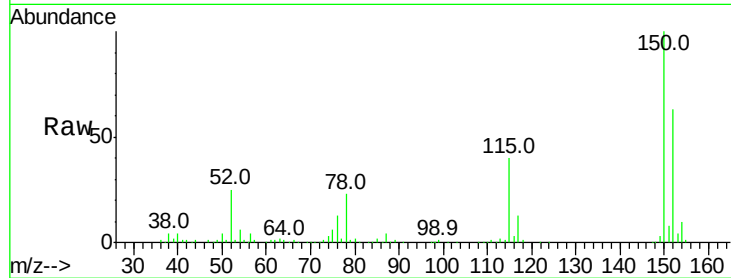


#1

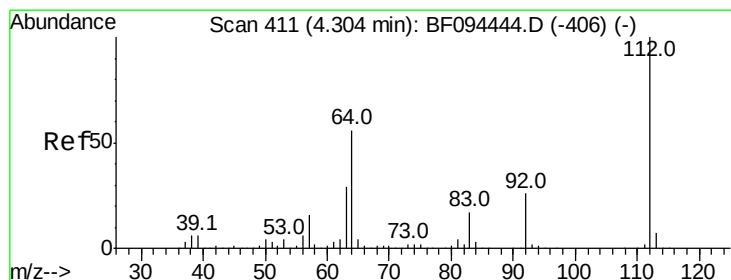
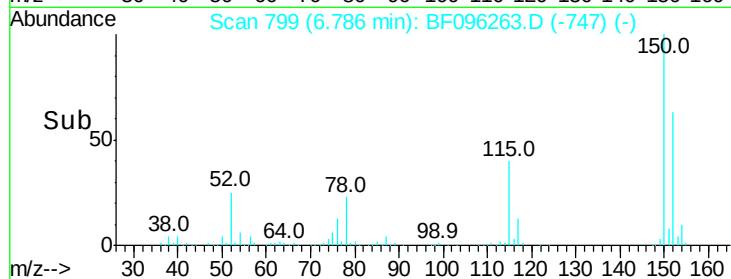
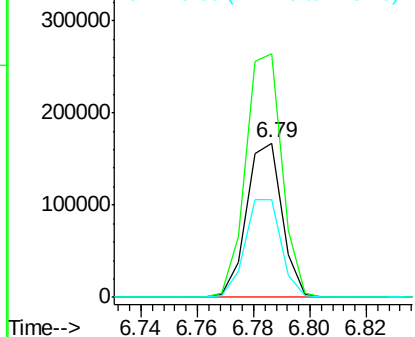
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.01 min
Lab File: BF096263.D
Acq: 28 Jun 2017 21:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 145982
Ion Ratio Lower Upper
152 100
150 157.9 126.2 189.2
115 63.2 52.2 78.2



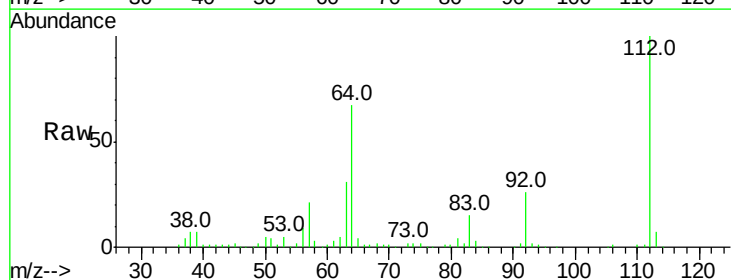
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



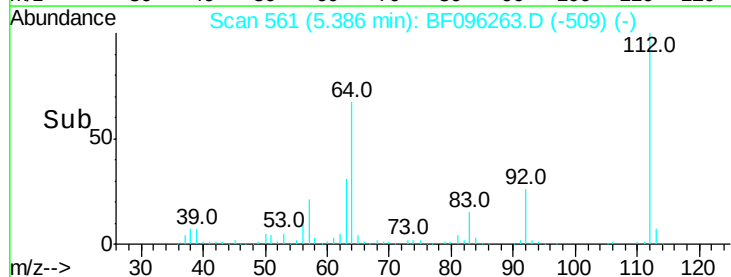
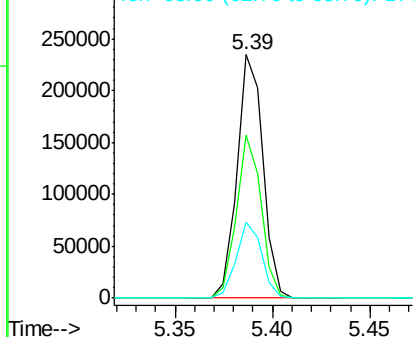
#5

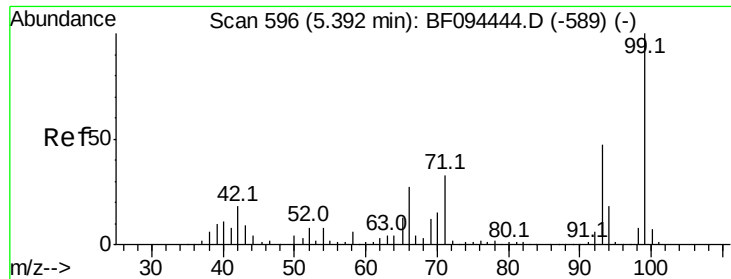
2-Fluorophenol
Concen: 21.28 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF096263.D
Acq: 28 Jun 2017 21:36

Tgt Ion:112 Resp: 215635
Ion Ratio Lower Upper
112 100
64 66.7 46.0 69.0
63 31.4 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: 21.10 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF096263.D

Acq: 28 Jun 2017 21:36

Instrument :

BNA_F

ClientSampleId :

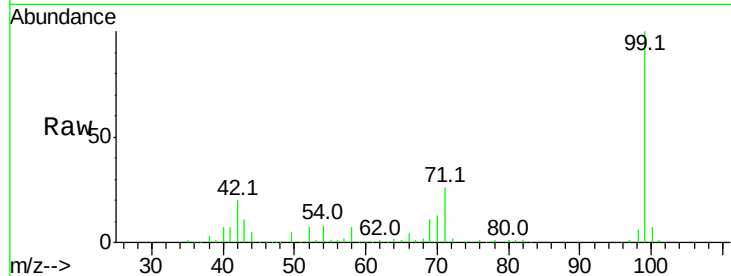
Tot Ion: 99 Resp: 258868

Ion Ratio Lower Upper

99 100

42 20.0 13.5 20.3

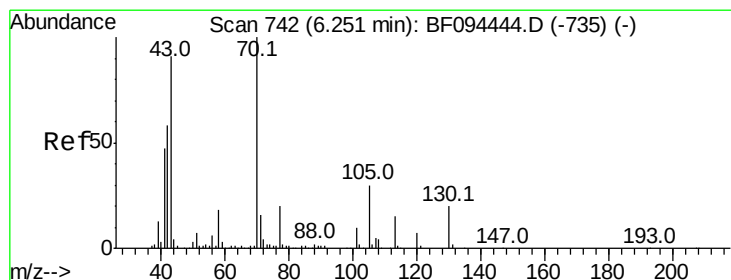
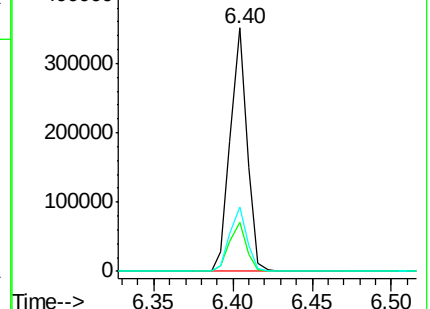
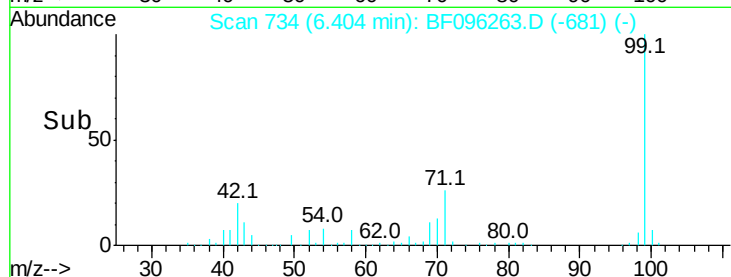
71 26.5 24.5 36.7



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: 2.28 ng

RT: 7.33 min Scan# 892

Delta R.T. 0.15 min

Lab File: BF096263.D

Acq: 28 Jun 2017 21:36

Tgt Ion: 70 Resp: 16728

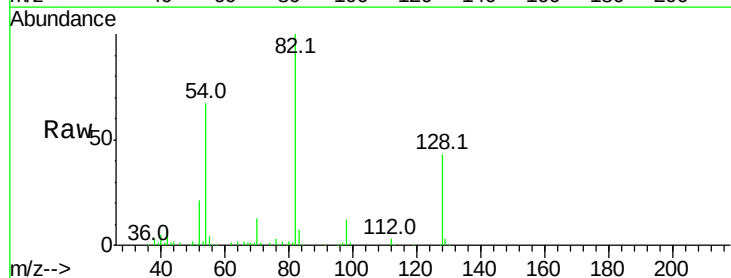
Ion Ratio Lower Upper

70 100

42 57.4 47.2 70.8

101 0.0 7.2 10.8#

130 3.2 15.9 23.9#

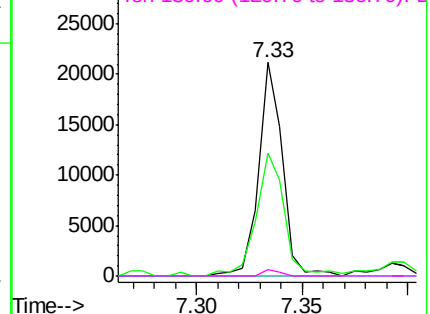
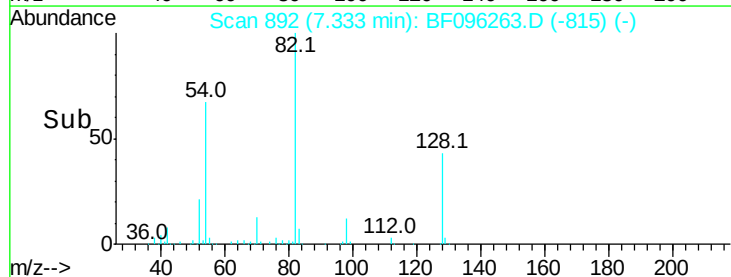


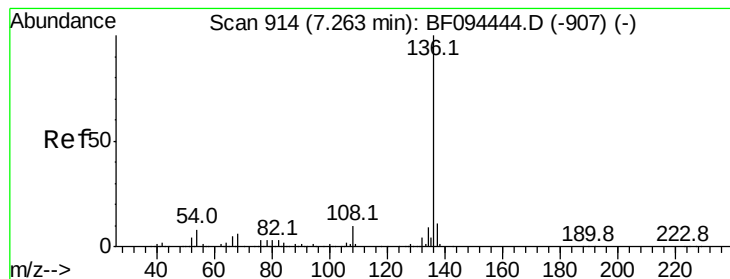
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1016

Delta R.T. 0.01 min

Lab File: BF096263.D

Acq: 28 Jun 2017 21:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 573943

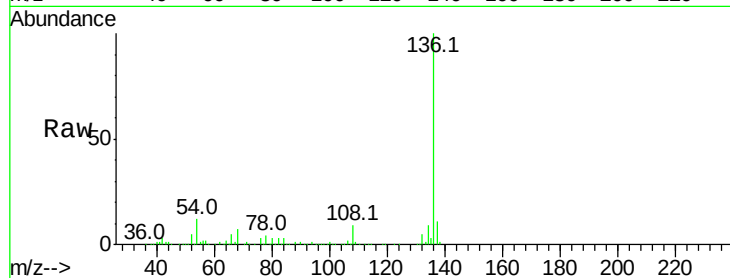
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 11.8 4.9 7.3#

68 7.4 4.1 6.1#

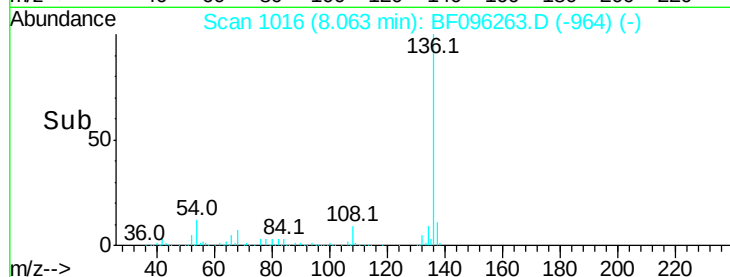


Abundance Ion 136.00 (135.70 to 136.70): E

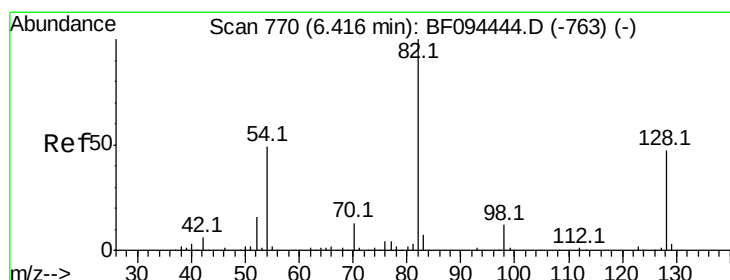
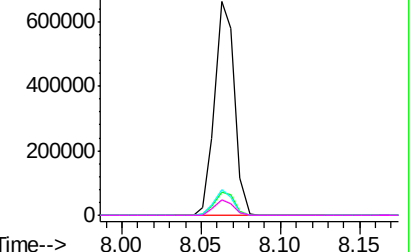
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 15.41 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.02 min

Lab File: BF096263.D

Acq: 28 Jun 2017 21:36

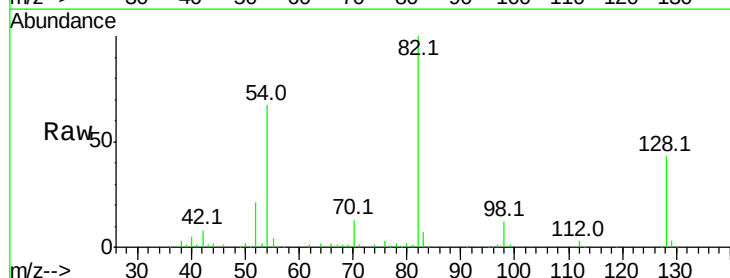
Tgt Ion: 82 Resp: 127731

Ion Ratio Lower Upper

82 100

128 43.5 34.0 51.0

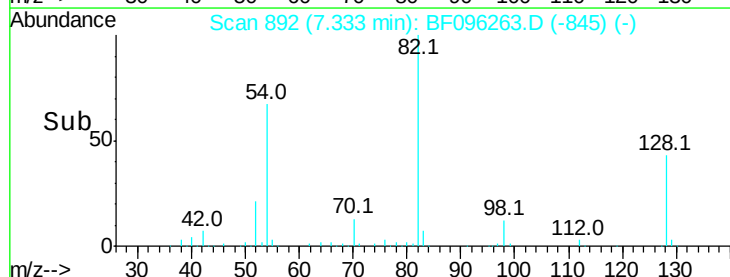
54 66.8 42.2 63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0

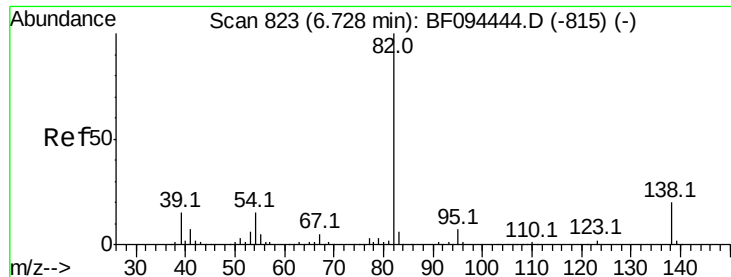
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 6.78 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.26 min

Lab File: BF096263.D

Acq: 28 Jun 2017 21:36

Instrument :
BNA_F
ClientSampleId :

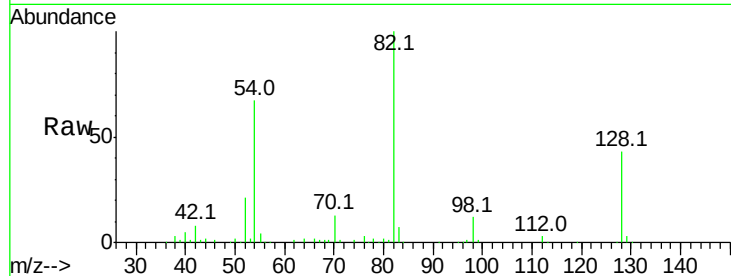
Tot Ion: 82 Resp: 127599

Ion Ratio Lower Upper

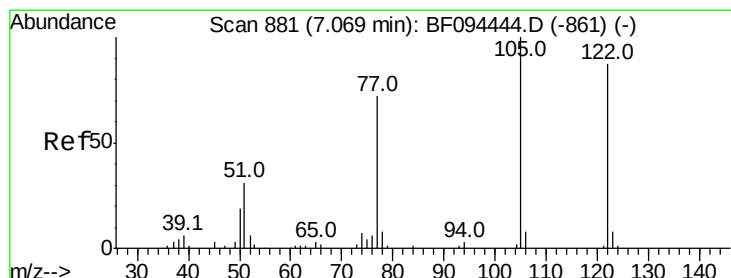
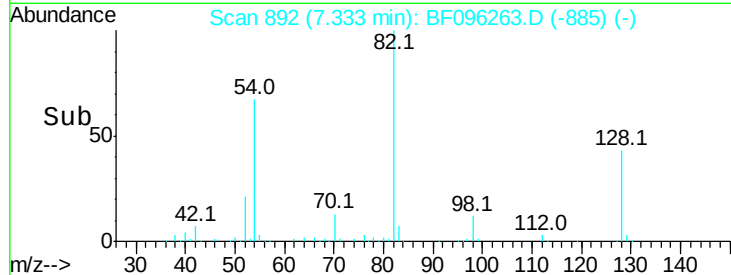
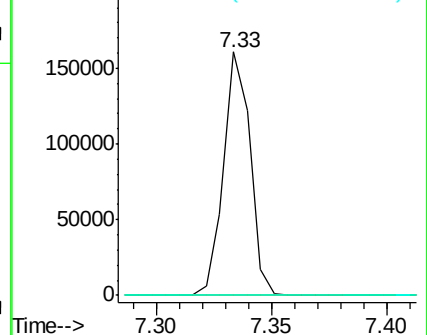
82 100

95 0.3 5.3 7.9#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#32

Benzoic acid

Concen: 8.83 ng

RT: 7.85 min Scan# 980

Delta R.T. -0.03 min

Lab File: BF096263.D

Acq: 28 Jun 2017 21:36

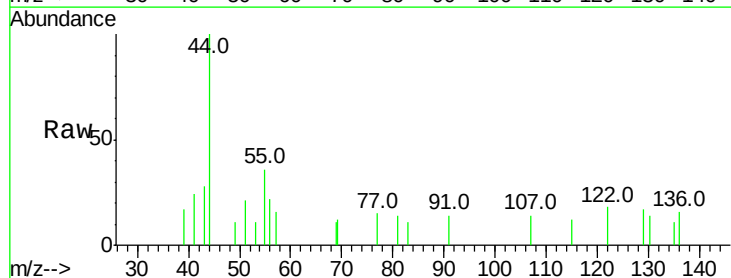
Tgt Ion: 122 Resp: 294

Ion Ratio Lower Upper

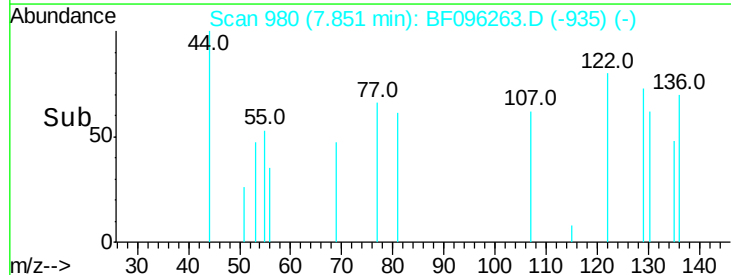
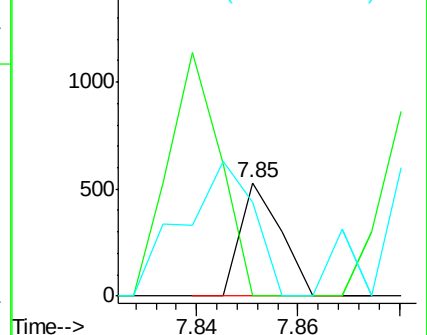
122 100

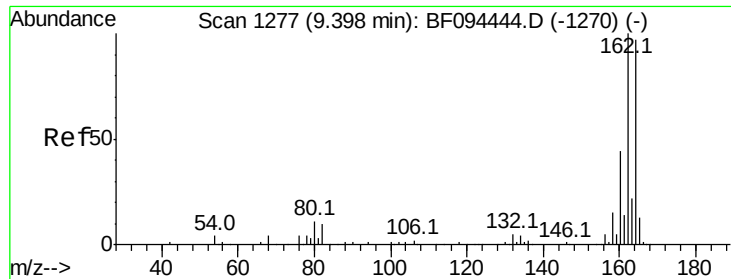
105 0.0 103.3 143.3#

77 82.8 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

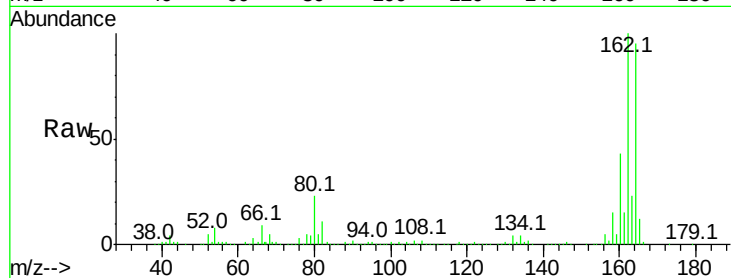




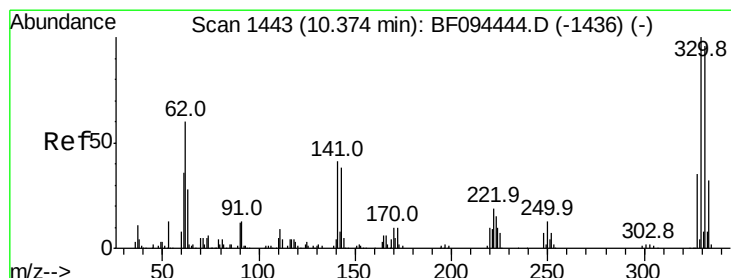
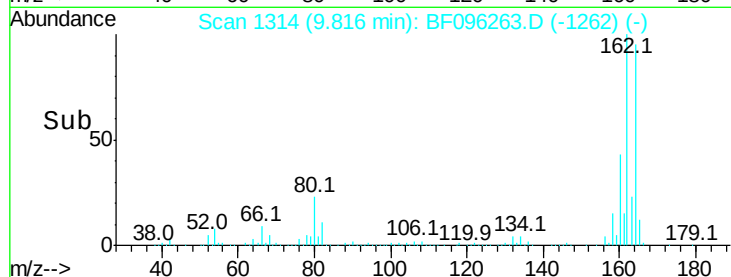
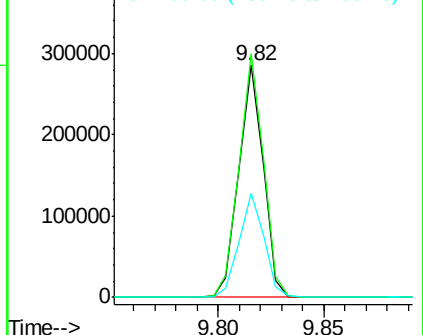
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.01 min
 Lab File: BF096263.D
 Acq: 28 Jun 2017 21:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.1	82.6	123.8
160	44.9	36.2	54.2

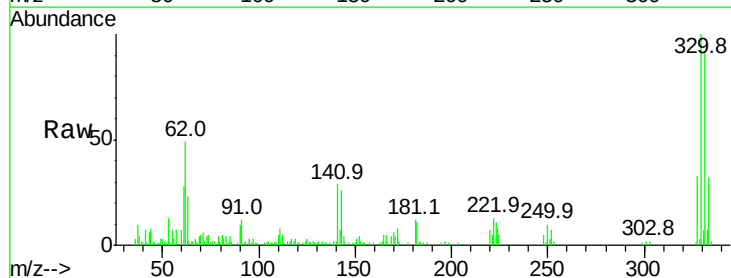


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

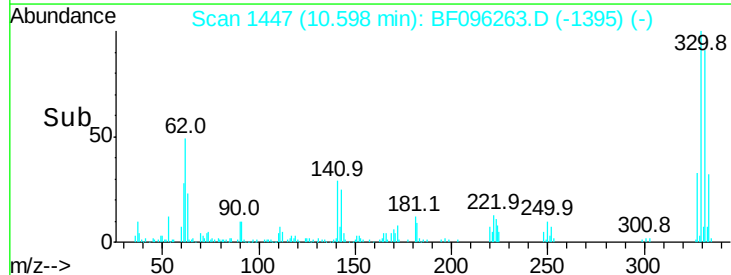
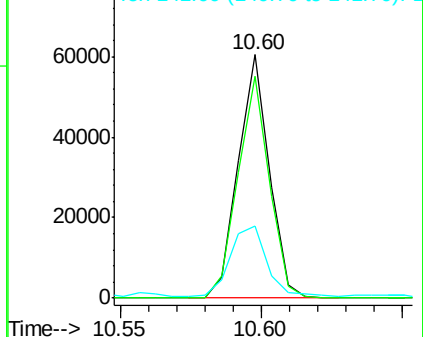


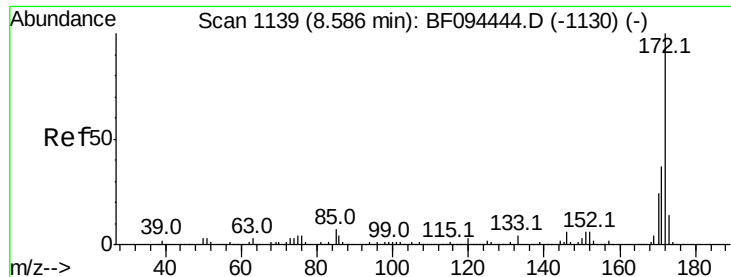
#41
 2,4,6-Tribromophenol
 Concen: 25.90 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. 0.01 min
 Lab File: BF096263.D
 Acq: 28 Jun 2017 21:36

Tgt Ion	Ratio	Lower	Upper
330	100		
332	92.2	76.6	115.0
141	33.6	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

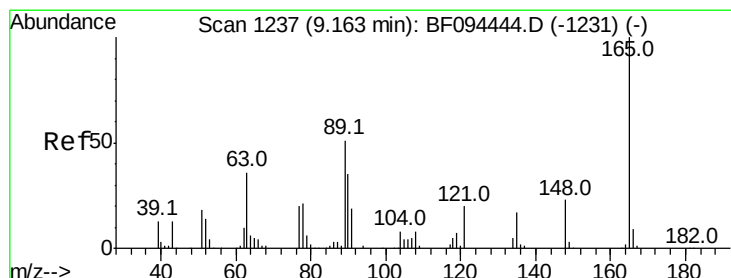
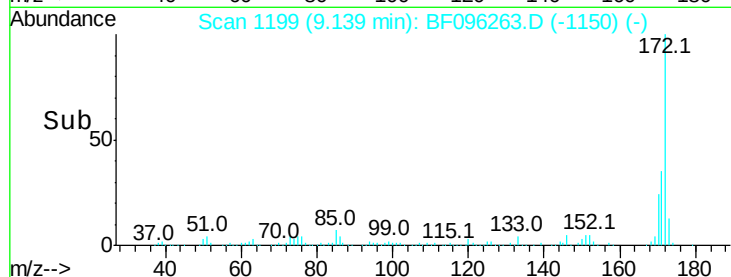
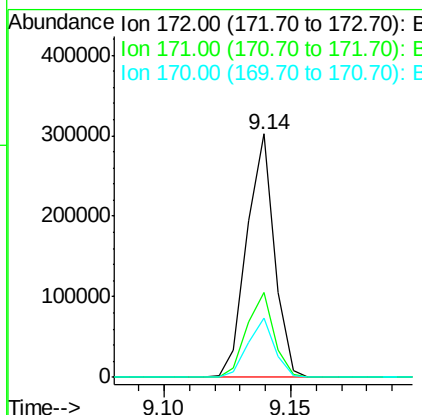
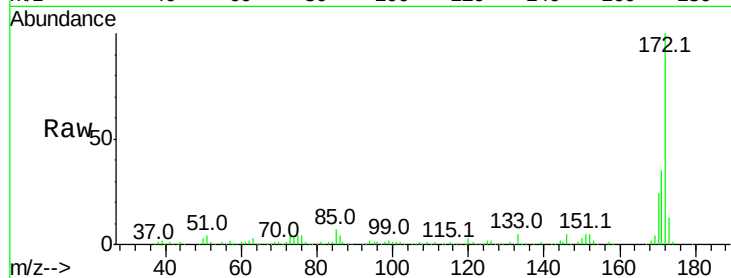




#44
2-Fluorobiphenyl
Concen: 18.43 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF096263.D
Acq: 28 Jun 2017 21:36

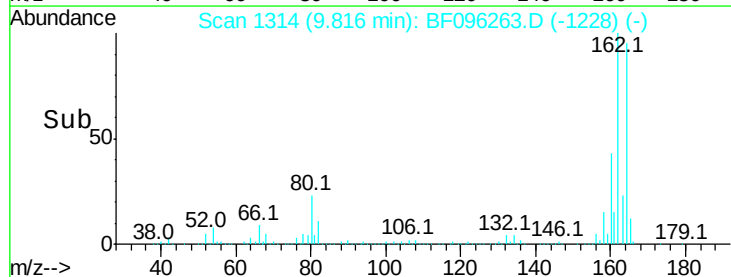
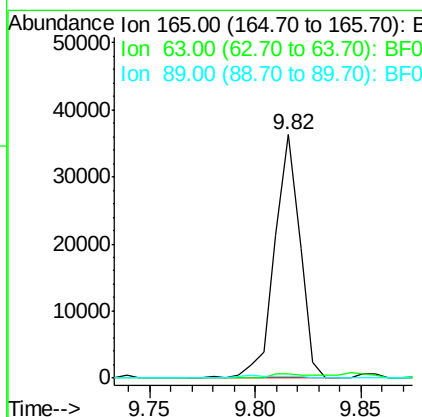
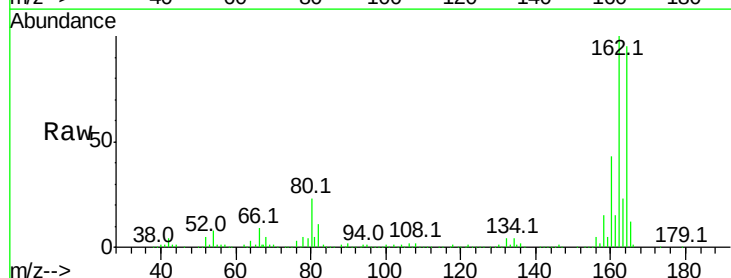
Instrument :
BNA_F
ClientSampleId :

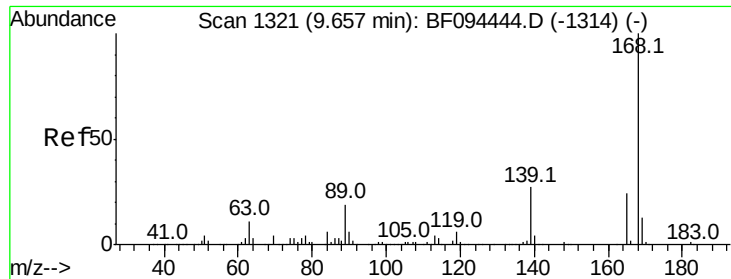
Tot Ion:172 Resp: 228146
Ion Ratio Lower Upper
172 100
171 35.1 29.6 44.4
170 24.2 19.8 29.8



#50
2,6-Dinitrotoluene
Concen: 8.99 ng
RT: 9.82 min Scan# 1314
Delta R.T. 0.21 min
Lab File: BF096263.D
Acq: 28 Jun 2017 21:36

Tgt Ion:165 Resp: 30350
Ion Ratio Lower Upper
165 100
63 1.5 34.3 51.5#
89 1.0 37.1 55.7#





#56

2,4-Dinitrotoluene

Concen: 7.14 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.19 min

Lab File: BF096263.D

Acq: 28 Jun 2017 21:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 30350

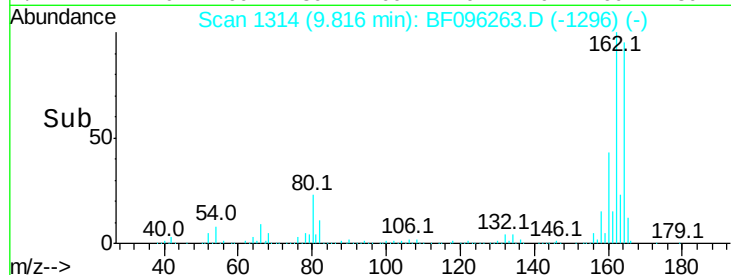
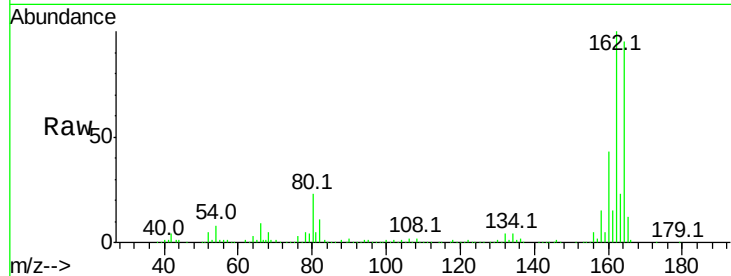
Ion Ratio Lower Upper

165 100

63 1.5 25.4 38.0#

89 1.0 46.4 69.6#

182 0.0 1.8 2.6#

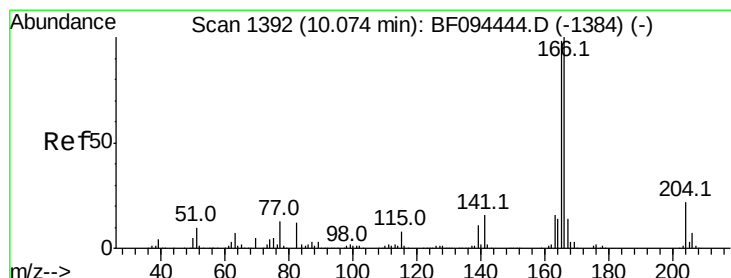
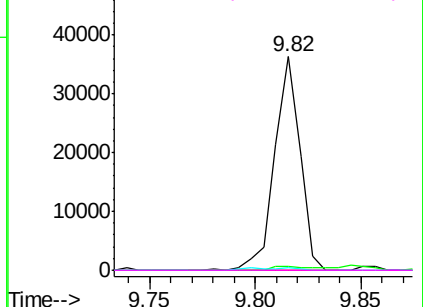


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: Below Cal

RT: 10.36 min Scan# 1407

Delta R.T. -0.01 min

Lab File: BF096263.D

Acq: 28 Jun 2017 21:36

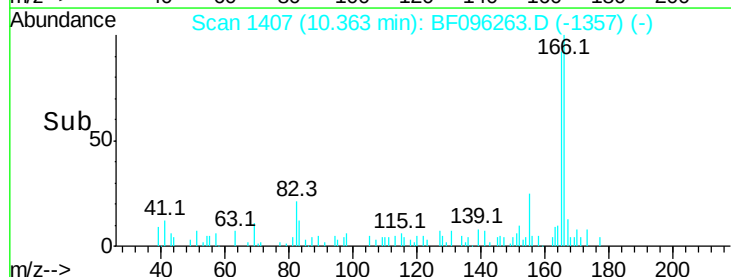
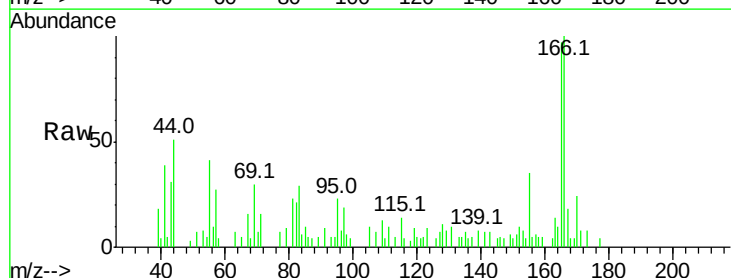
Tgt Ion:166 Resp: 8372

Ion Ratio Lower Upper

166 100

165 96.5 78.8 118.2

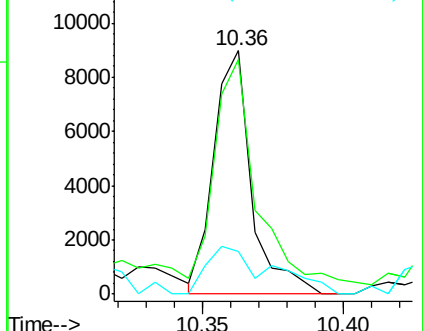
167 17.8 10.6 16.0#

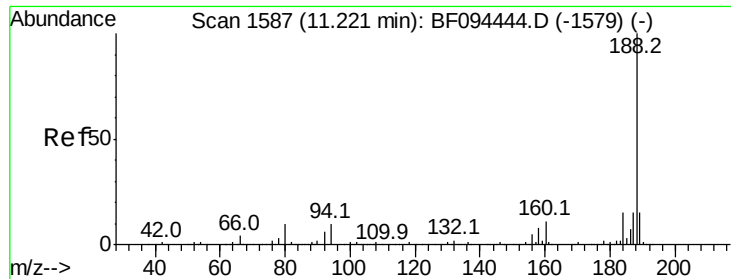


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

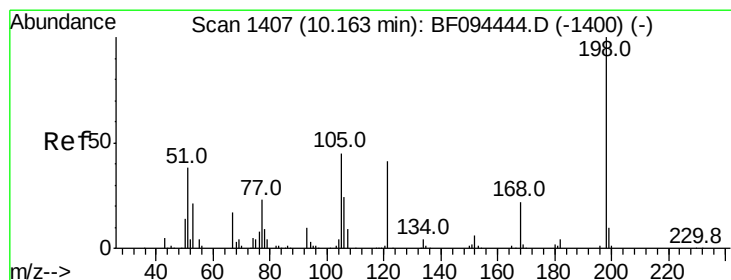
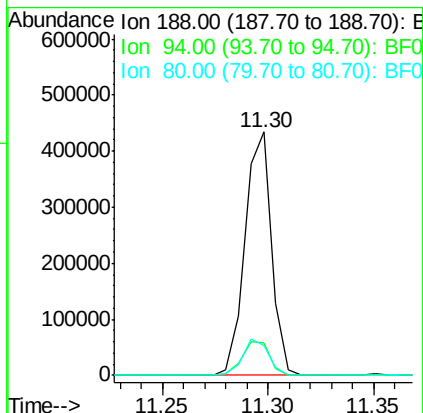
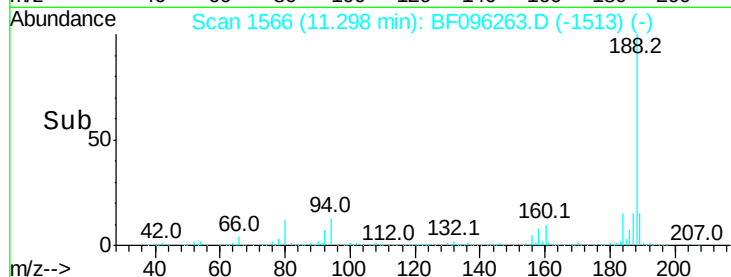
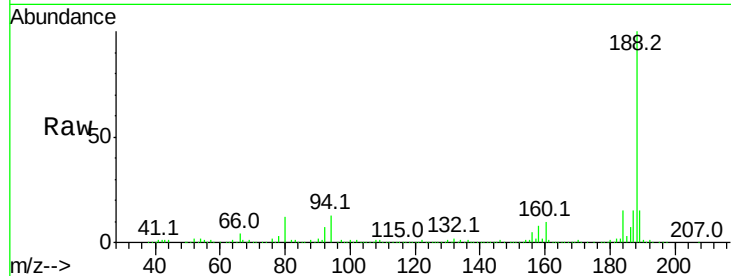




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: BF096263.D
 Acq: 28 Jun 2017 21:36

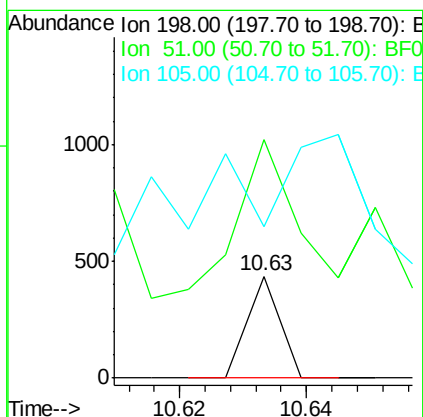
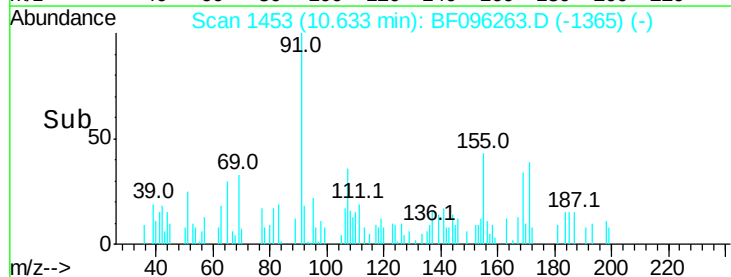
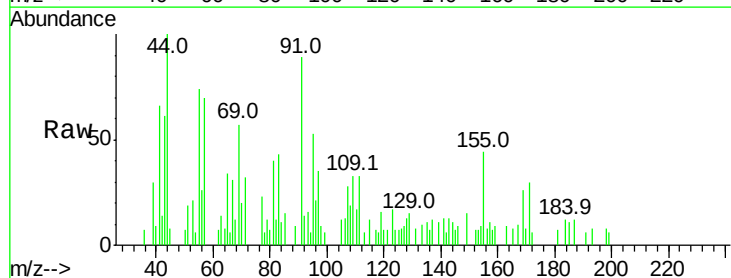
Instrument :
 BNA_F
 ClientSampleID :

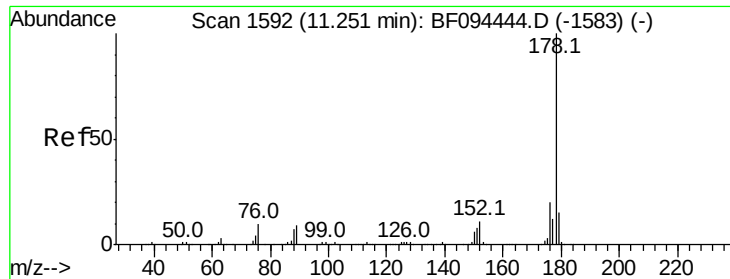
Tot Ion:188 Resp: 377225
 Ion Ratio Lower Upper
 188 100
 94 13.3 9.4 14.2
 80 12.5 10.2 15.2



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.81 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.22 min
 Lab File: BF096263.D
 Acq: 28 Jun 2017 21:36

Tgt Ion:198 Resp: 154
 Ion Ratio Lower Upper
 198 100
 51 234.4 53.2 93.2#
 105 148.4 45.8 85.8#





#70

Phenanthrene

Concen: Below Cal

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF096263.D

Acq: 28 Jun 2017 21:36

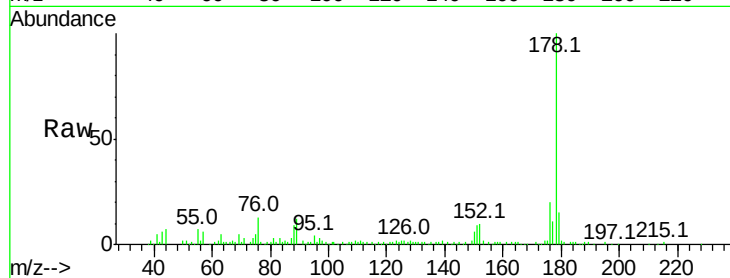
Instrument :

BNA_F

ClientSampled :

Tot Ion:178 Resp: 77555

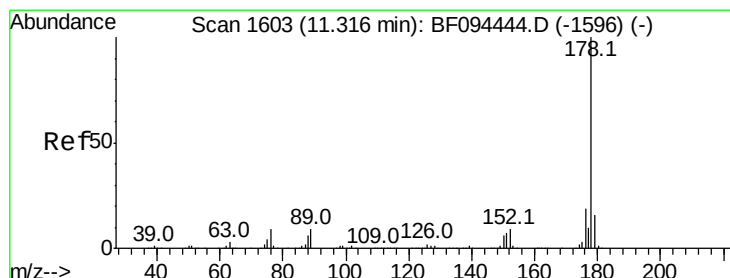
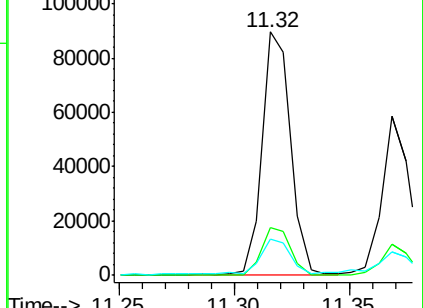
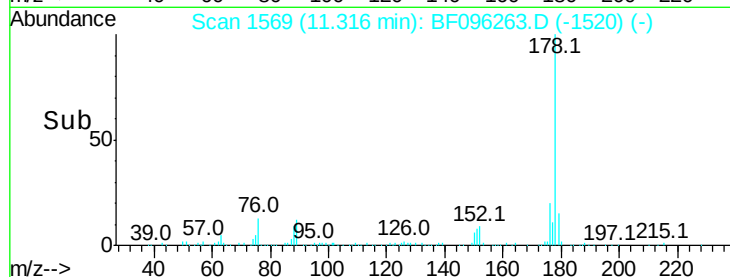
Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	14.9	12.6	19.0



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



#71

Anthracene

Concen: 2.23 ng

RT: 11.37 min Scan# 1578

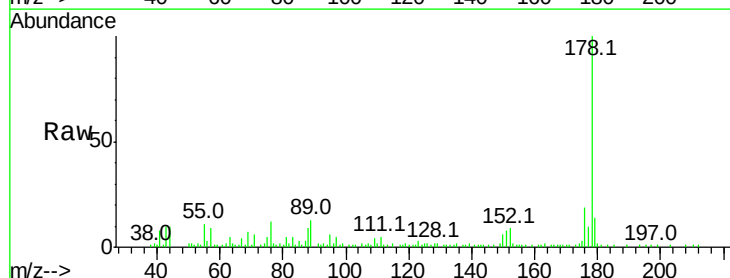
Delta R.T. -0.01 min

Lab File: BF096263.D

Acq: 28 Jun 2017 21:36

Tgt Ion:178 Resp: 47024

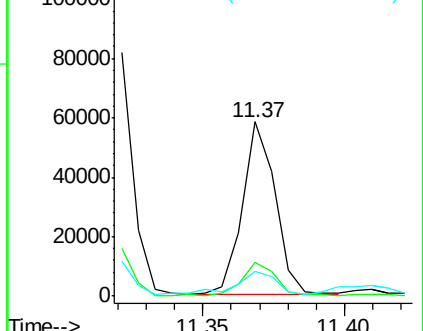
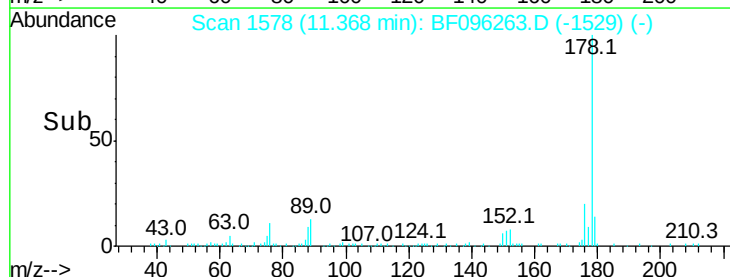
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	14.5	12.7	19.1

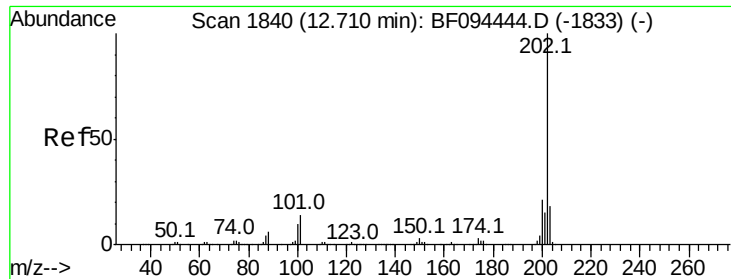


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 7.51 ng

RT: 12.50 min Scan# 1771

Delta R.T. 0.01 min

Lab File: BF096263.D

Acq: 28 Jun 2017 21:36

Instrument :

BNA_F

ClientSampleId :

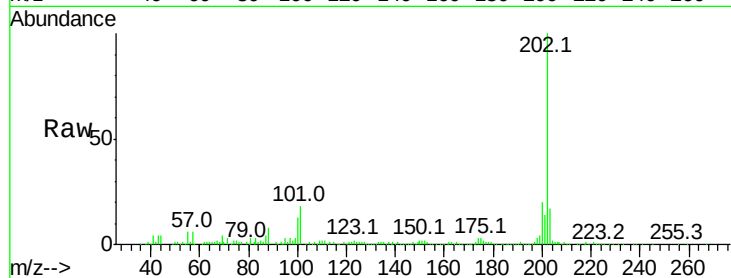
Tot Ion:202 Resp: 157302

Ion Ratio Lower Upper

202 100

101 17.8 0.0 33.2

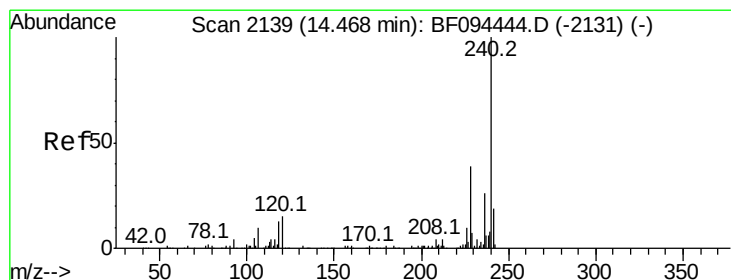
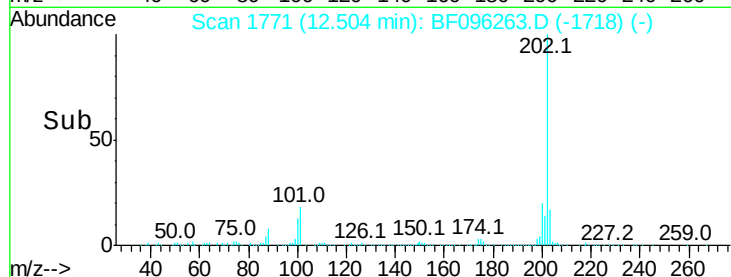
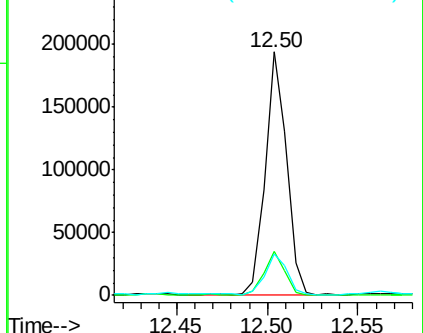
203 16.8 0.0 38.1



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: 13.93 min Scan# 2013

Delta R.T. 0.01 min

Lab File: BF096263.D

Acq: 28 Jun 2017 21:36

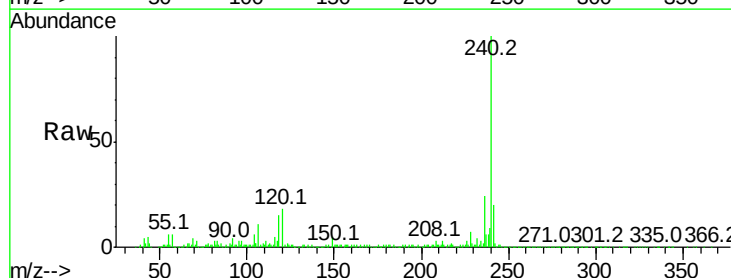
Tgt Ion:240 Resp: 341918

Ion Ratio Lower Upper

240 100

120 17.7 5.8 8.8#

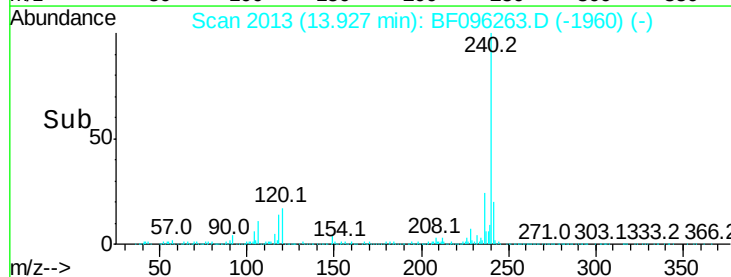
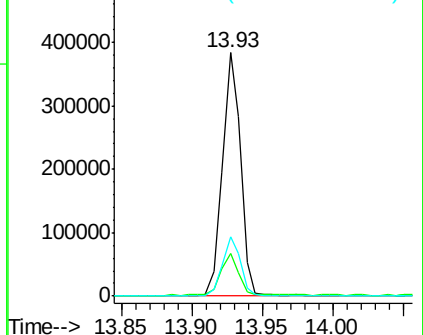
236 24.1 20.5 30.7

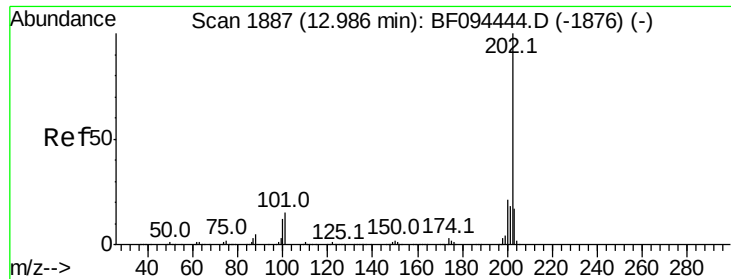


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.44 ng

RT: 12.73 min Scan# 1810

Delta R.T. 0.01 min

Lab File: BF096263.D

Acq: 28 Jun 2017 21:36

Instrument :

BNA_F

ClientSampleId :

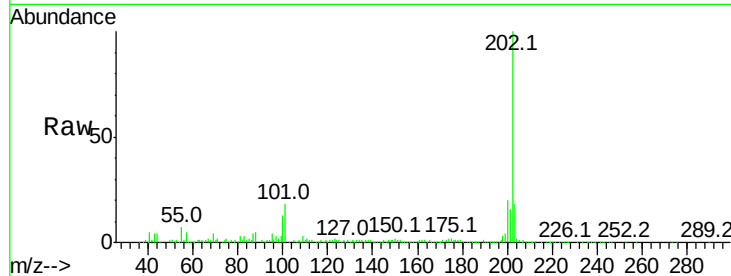
Tot Ion:202 Resp: 152975

Ion Ratio Lower Upper

202 100

200 19.7 17.6 26.4

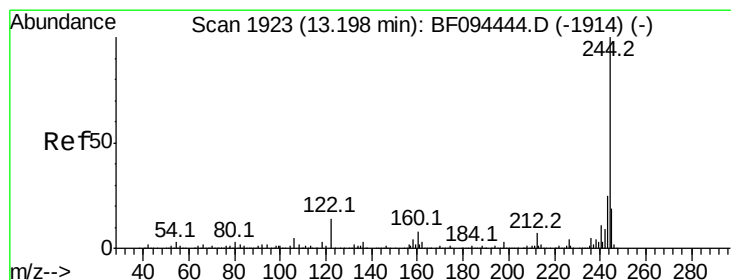
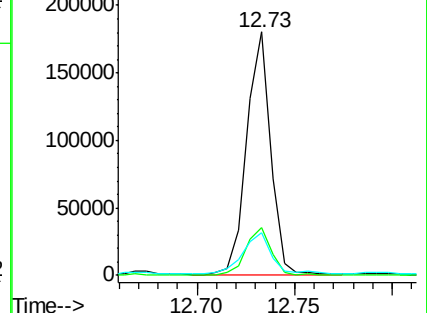
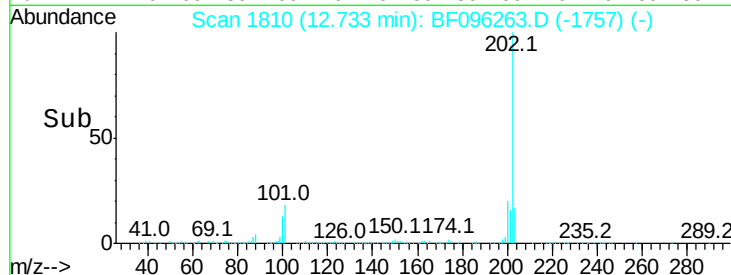
203 17.5 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 14.11 ng

RT: 12.87 min Scan# 1834

Delta R.T. 0.01 min

Lab File: BF096263.D

Acq: 28 Jun 2017 21:36

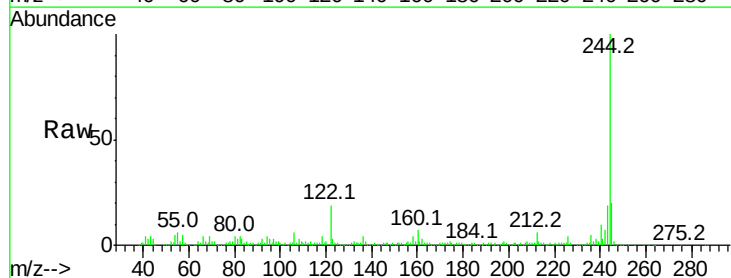
Tgt Ion:244 Resp: 193301

Ion Ratio Lower Upper

244 100

212 6.2 6.0 9.0

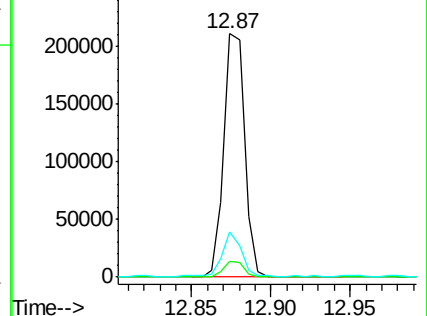
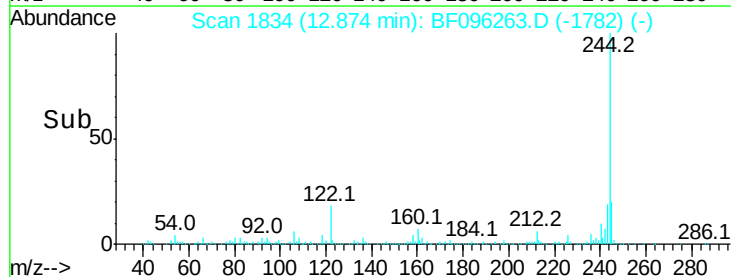
122 18.6 10.3 15.5#

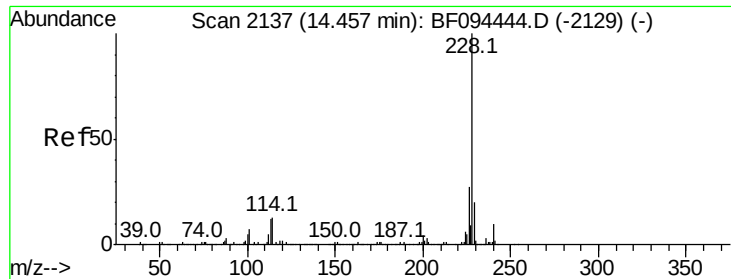


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

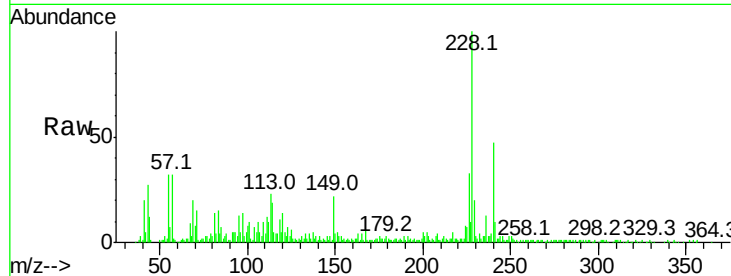




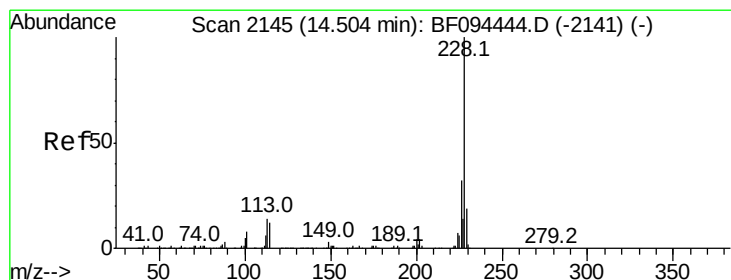
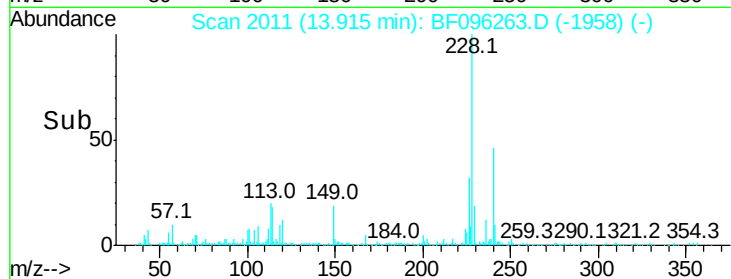
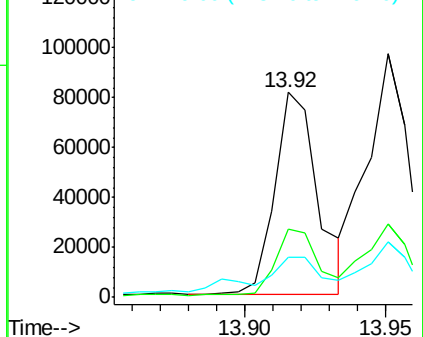
#80
Benzo(a)anthracene
Concen: 4.14 ng
RT: 13.92 min Scan# 2011
Delta R.T. 0.01 min
Lab File: BF096263.D
Acq: 28 Jun 2017 21:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 86282
Ion Ratio Lower Upper
228 100
226 33.3 22.6 33.8
229 19.9 16.3 24.5

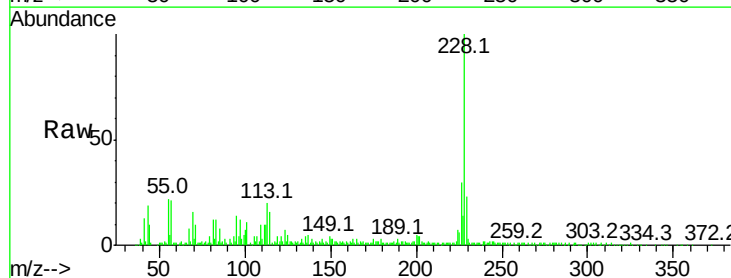


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

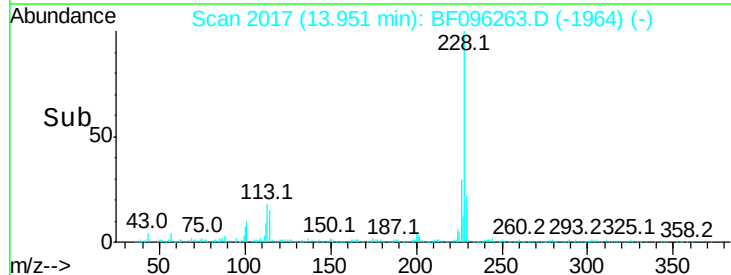
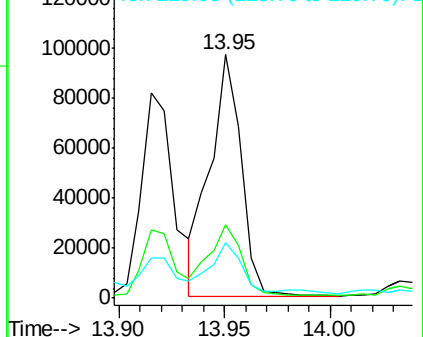


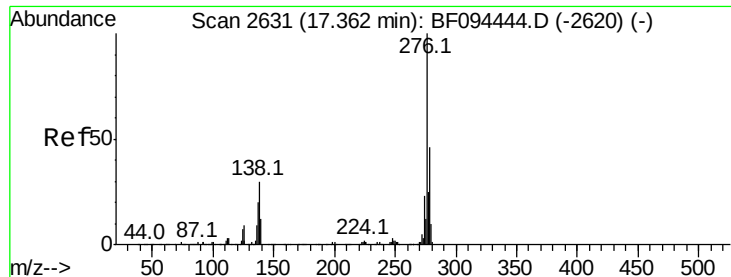
#82
Chrysene
Concen: 4.62 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BF096263.D
Acq: 28 Jun 2017 21:36

Tgt Ion:228 Resp: 99654
Ion Ratio Lower Upper
228 100
226 30.4 24.9 37.3
229 23.0 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

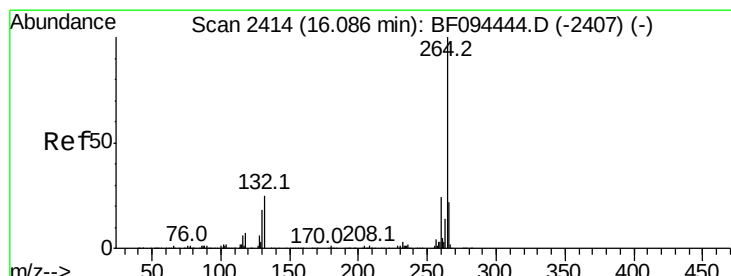
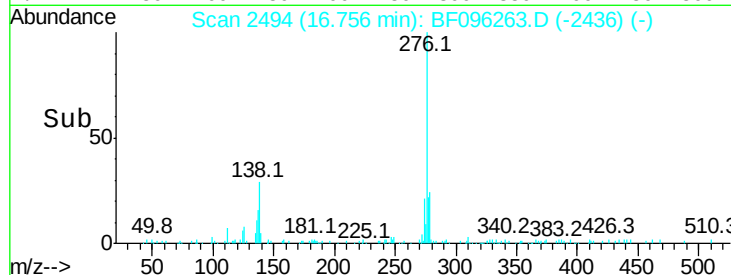
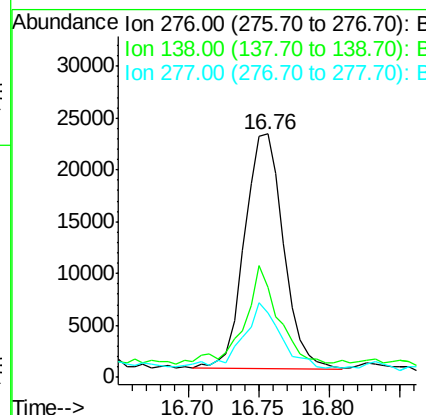
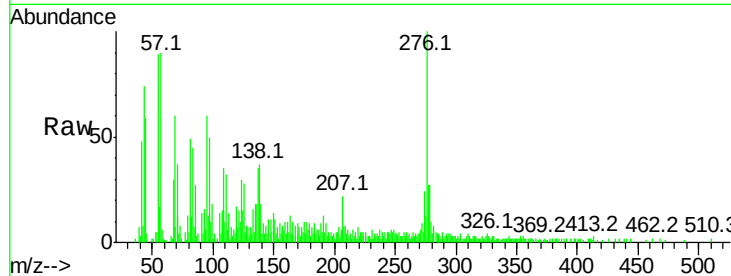




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.45 ng
RT: 16.76 min Scan# 2494
Delta R.T. 0.04 min
Lab File: BF096263.D
Acq: 28 Jun 2017 21:36

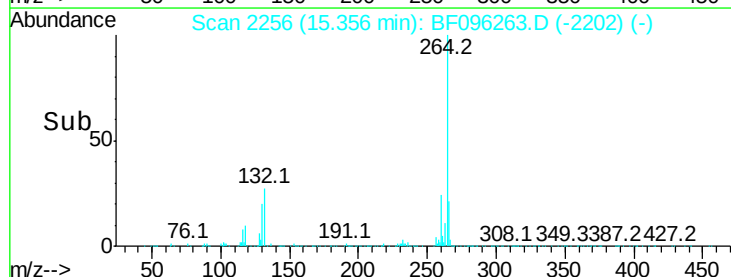
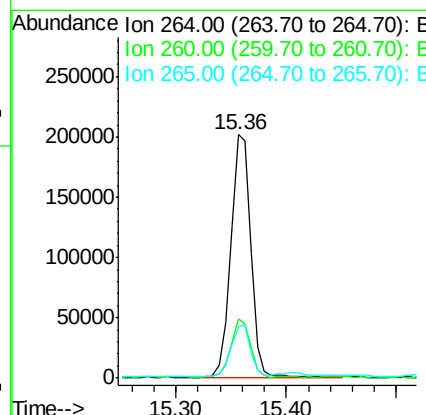
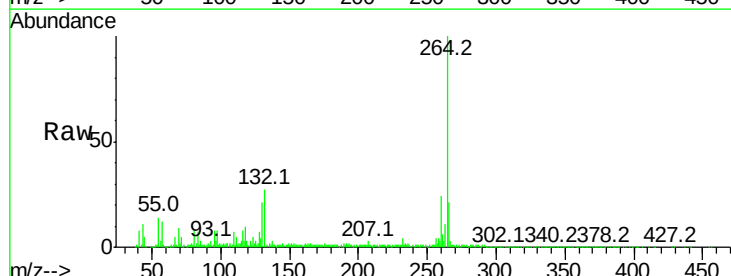
Instrument :
BNA_F
ClientSampleId :

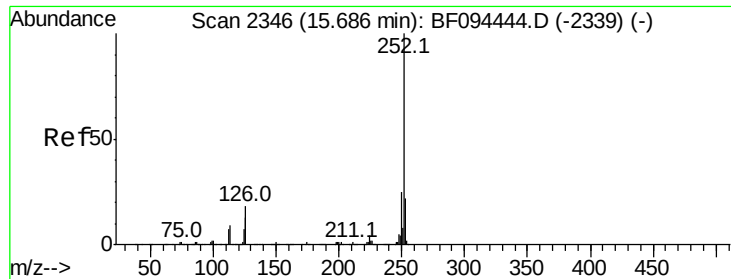
Tot Ion:276 Resp: 43758
Ion Ratio Lower Upper
276 100
138 35.8 27.8 41.6
277 26.7 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 2256
Delta R.T. 0.02 min
Lab File: BF096263.D
Acq: 28 Jun 2017 21:36

Tgt Ion:264 Resp: 256424
Ion Ratio Lower Upper
264 100
260 24.5 19.5 29.3
265 21.4 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 10.35 ng

RT: 14.95 min Scan# 2187

Delta R.T. -0.01 min

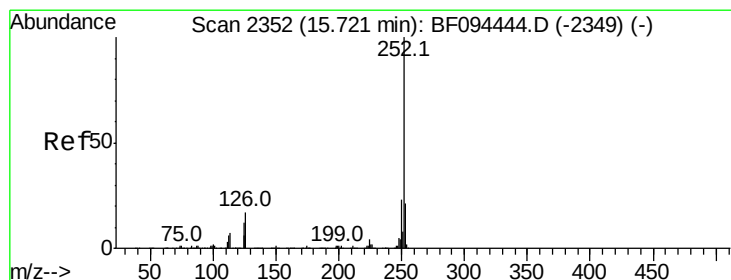
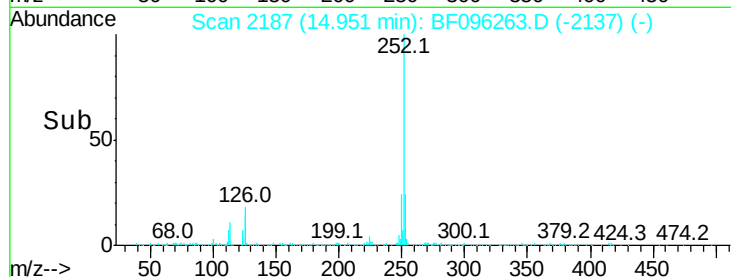
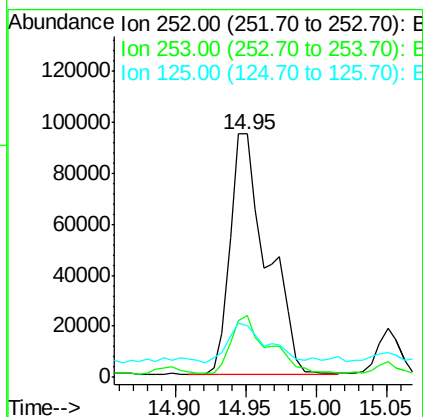
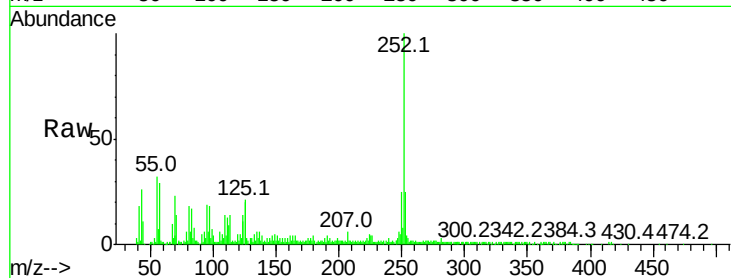
Lab File: BF096263.D

Acq: 28 Jun 2017 21:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 174390

Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.1	27.1
125	21.1	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 11.34 ng

RT: 14.95 min Scan# 2187

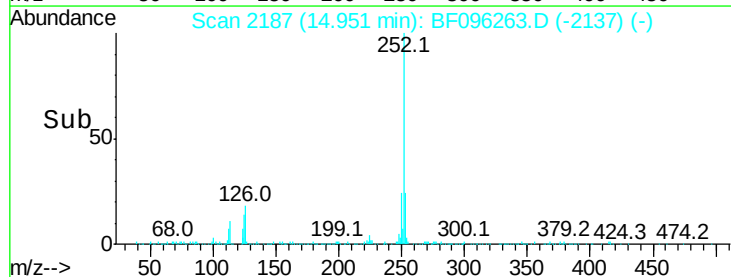
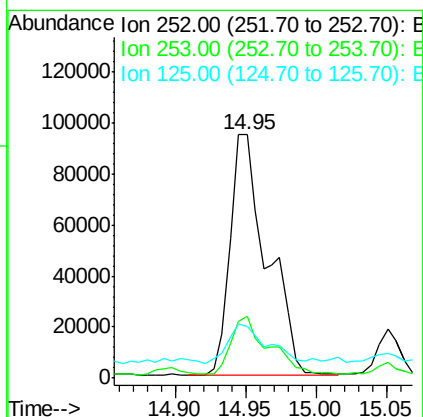
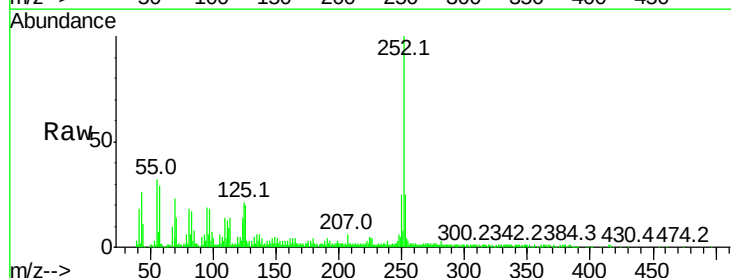
Delta R.T. -0.01 min

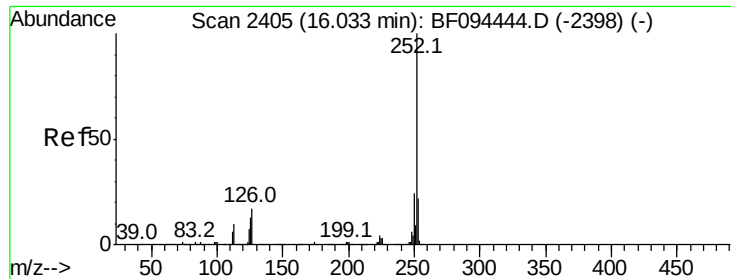
Lab File: BF096263.D

Acq: 28 Jun 2017 21:36

Tgt Ion:252 Resp: 174390

Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.4	27.6
125	21.1	13.1	19.7#

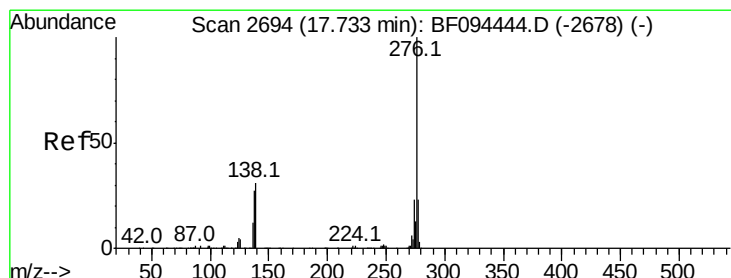
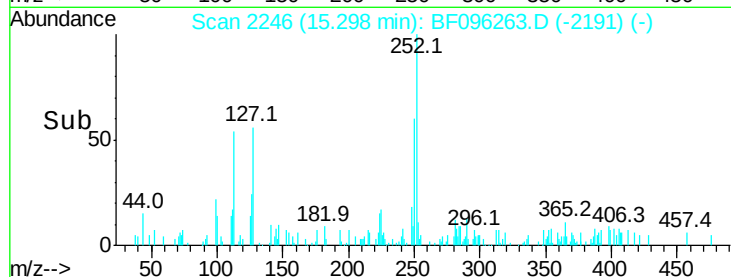
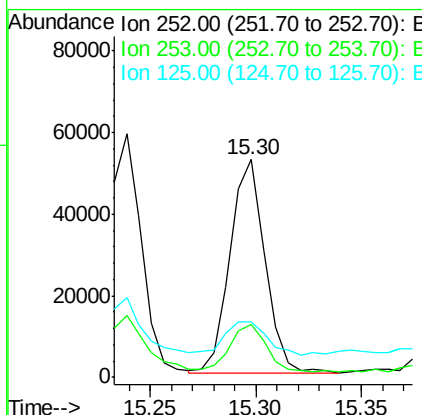
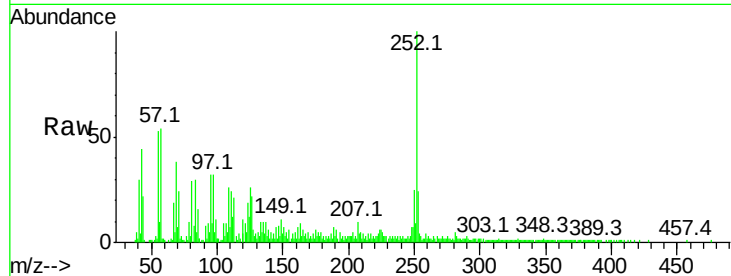




#89
Benzo(a)pyrene
Concen: 3.99 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.02 min
Lab File: BF096263.D
Acq: 28 Jun 2017 21:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	25.7	11.0	16.4



#91
Benzo(g,h,i)perylene
Concen: 3.21 ng
RT: 17.17 min Scan# 2565
Delta R.T. 0.04 min
Lab File: BF096263.D
Acq: 28 Jun 2017 21:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.4	18.6	28.0
138	39.5	25.4	38.0

