

Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
 Data File : BF096347.D
 Acq On : 30 Jun 2017 20:20
 Operator : SJ/MA
 Sample : I3959-04 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 30 23:16:39 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

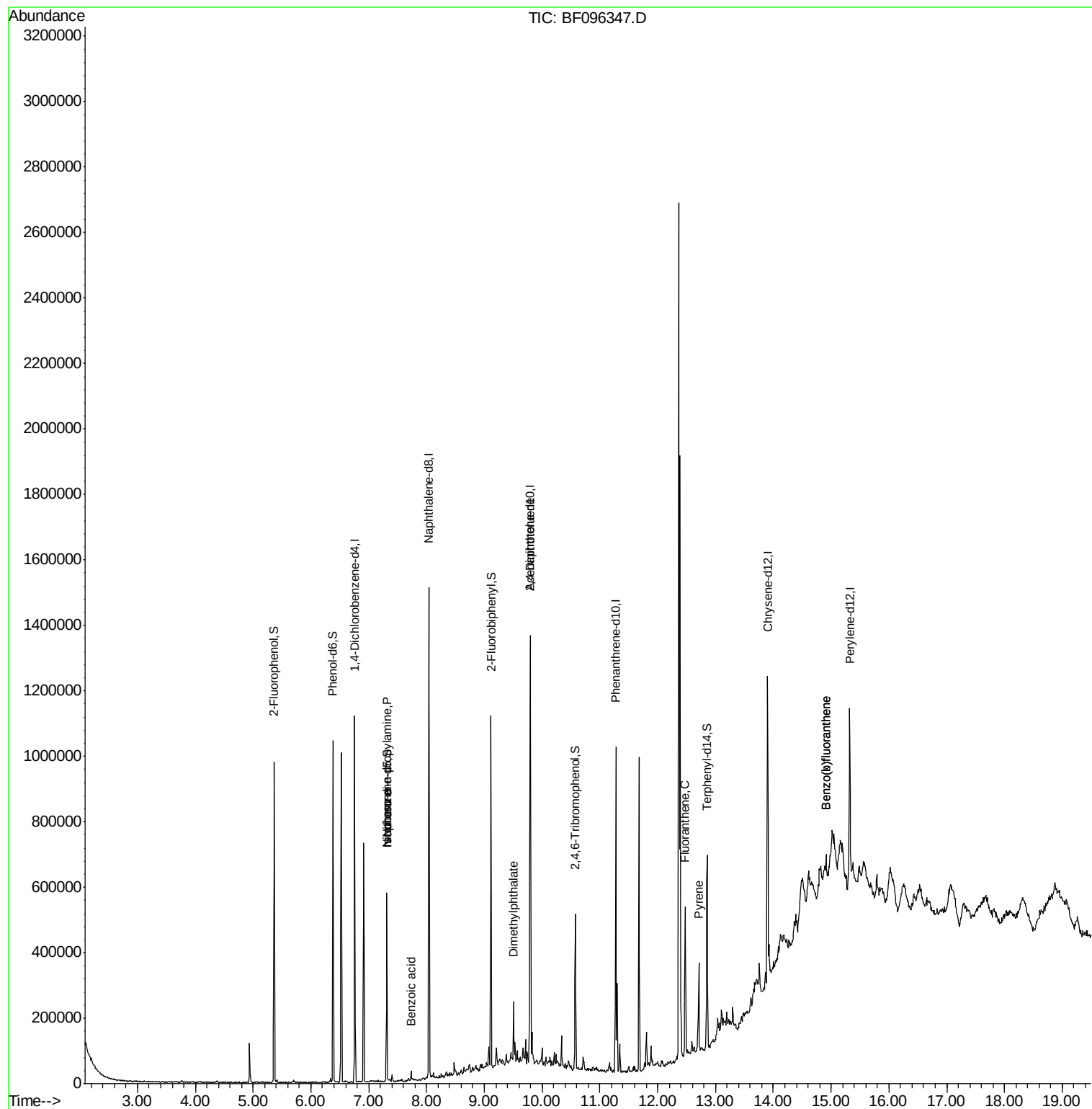
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	158462	20.00	ng	-0.02
21) Naphthalene-d8	8.04	136	640967	20.00	ng	-0.02
38) Acenaphthene-d10	9.79	164	241850	20.00	ng	-0.02
63) Phenanthrene-d10	11.27	188	326407	20.00	ng	-0.01
75) Chrysene-d12	13.90	240	310217	20.00	ng	-0.01
86) Perylene-d12	15.32	264	240360	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	241070	21.92	ng	-0.02
7) Phenol-d6	6.38	99	306719	23.03	ng	-0.01
23) Nitrobenzene-d5	7.31	82	159814	17.26	ng	-0.05
41) 2,4,6-Tribromophenol	10.57	330	49673	26.10	ng	-0.02
44) 2-Fluorobiphenyl	9.12	172	285874	21.65	ng	-0.03
78) Terphenyl-d14	12.86	244	172652	13.89	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.52	77	4358	Below Cal		Qvalue 87
19) n-Nitroso-di-n-propylamine	7.31	70	21177	2.65 ng	#	89
25) Isophorone	7.31	82	159811	7.60 ng	#	67
32) Benzoic acid	7.73	122	5701	9.48 ng	#	88
49) Dimethylphthalate	9.51	163	51791	2.99 ng	#	96
56) 2,4-Dinitrotoluene	9.79	165	33130	7.30 ng	#	33
57) Fluorene	10.34	166	22228	Below Cal		97
60) 4-Chlorophenyl-phenylether	10.36	204	116	Below Cal	#	67
70) Phenanthrene	11.30	178	94441	Below Cal		97
74) Fluoranthene	12.48	202	114035	6.29 ng		95
77) Pyrene	12.71	202	101979	4.00 ng		98
87) Benzo(b)fluoranthene	14.92	252	43679	2.77 ng	#	63
88) Benzo(k)fluoranthene	14.92	252	43679	3.03 ng	#	65

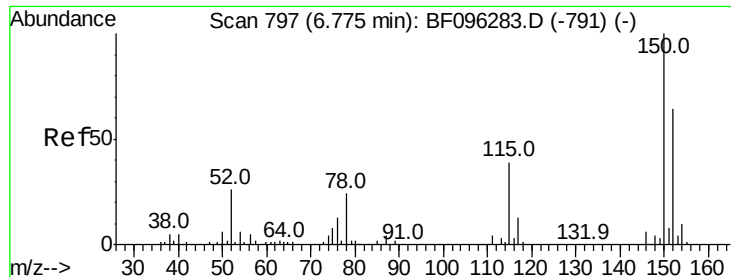
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 794

Delta R.T. -0.02 min

Lab File: BF096347.D

Acq: 30 Jun 2017 20:20

Instrument :

BNA_F

ClientSampleId :

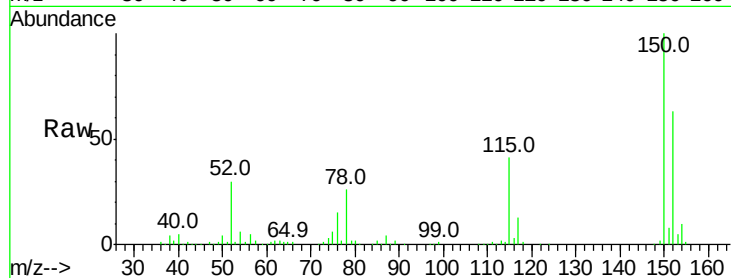
Tot Ion:152 Resp: 158462

Ion Ratio Lower Upper

152 100

150 158.5 126.2 189.2

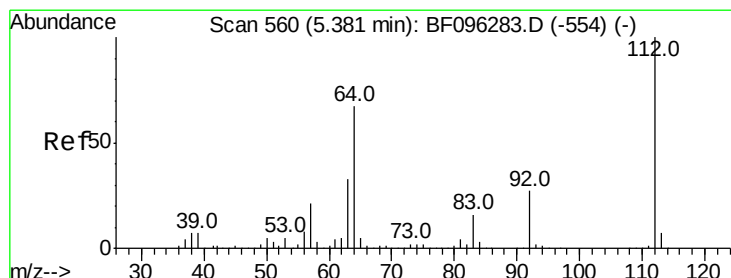
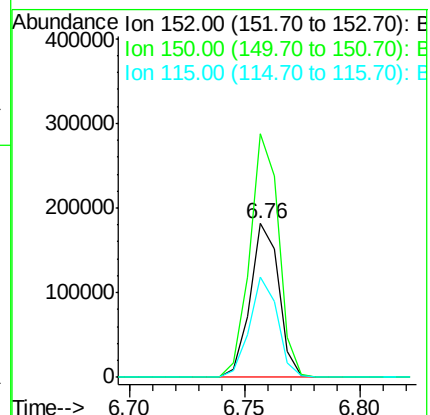
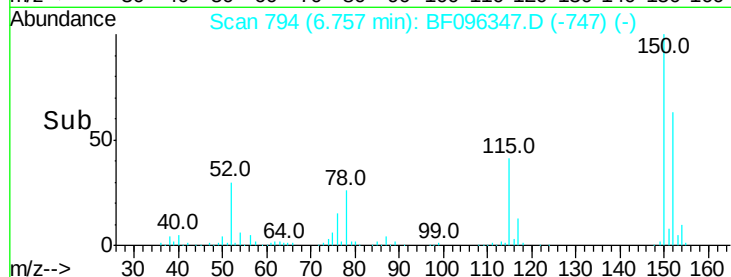
115 64.9 52.2 78.2



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



#5

2-Fluorophenol

Concen: 21.92 ng

RT: 5.36 min Scan# 557

Delta R.T. -0.02 min

Lab File: BF096347.D

Acq: 30 Jun 2017 20:20

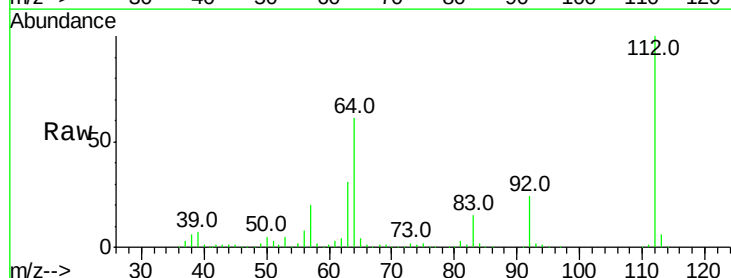
Tgt Ion:112 Resp: 241070

Ion Ratio Lower Upper

112 100

64 61.3 46.0 69.0

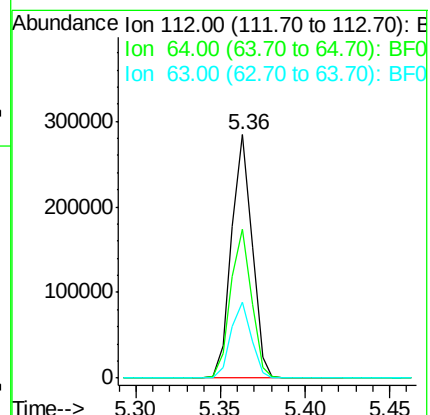
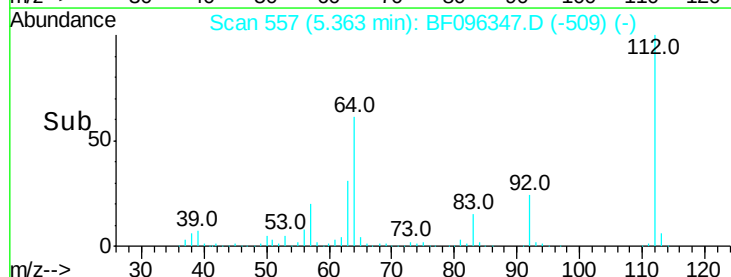
63 31.1 23.4 35.0

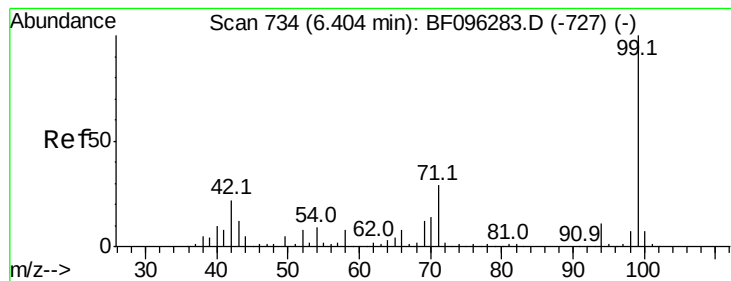


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 23.03 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF096347.D

Acq: 30 Jun 2017 20:20

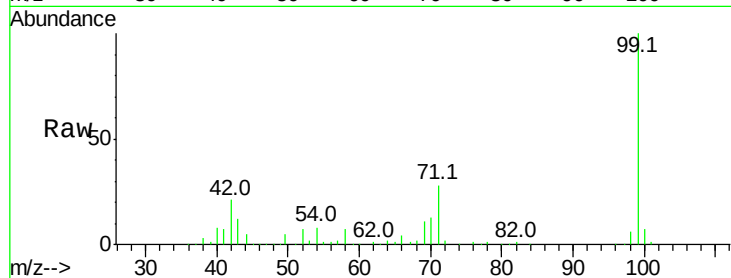
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 306719

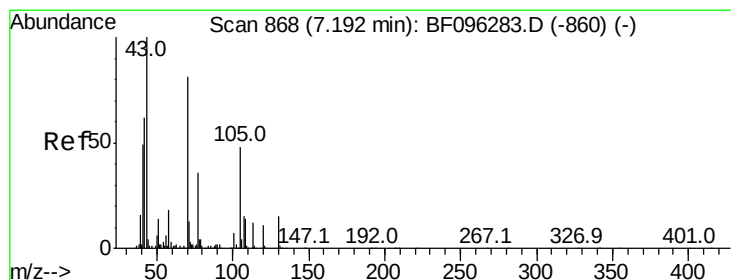
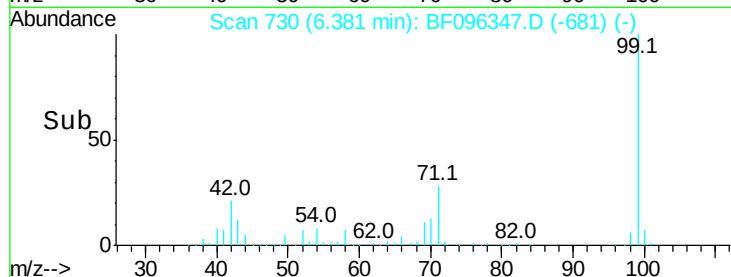
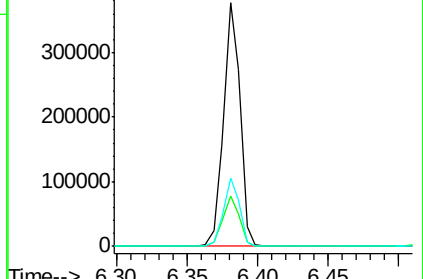
Ion	Ratio	Lower	Upper
99	100		
42	20.8	13.5	20.3#
71	28.1	24.5	36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 2.65 ng

RT: 7.31 min Scan# 888

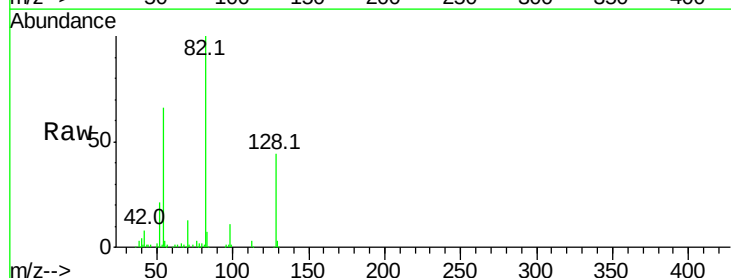
Delta R.T. 0.13 min

Lab File: BF096347.D

Acq: 30 Jun 2017 20:20

Tgt Ion: 70 Resp: 21177

Ion	Ratio	Lower	Upper
70	100		
42	58.9	47.2	70.8
101	0.0	7.2	10.8#
130	2.0	15.9	23.9#

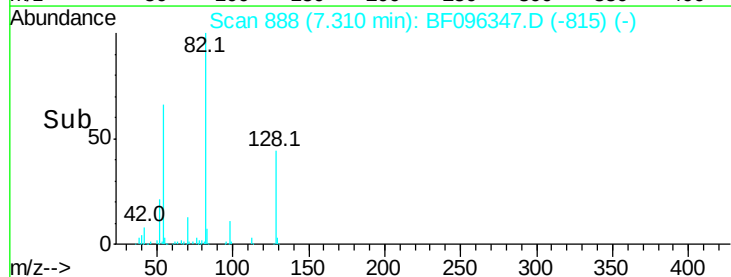
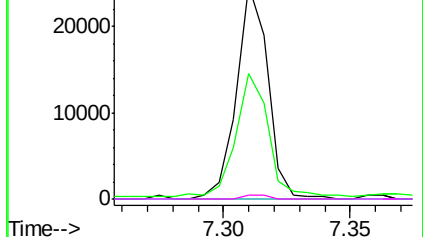


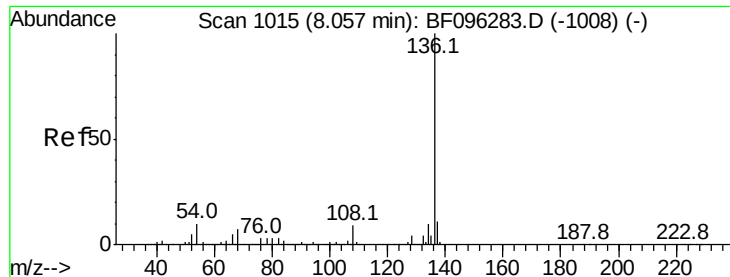
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

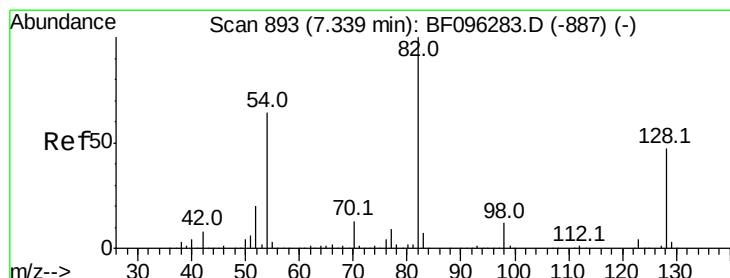
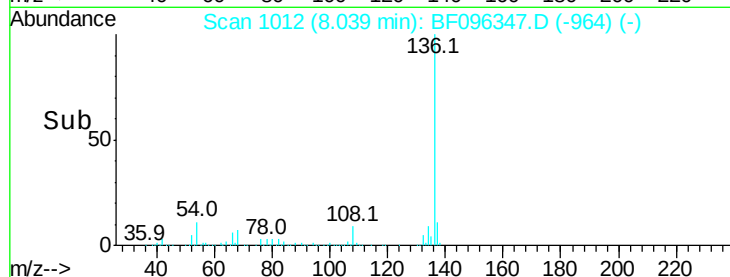
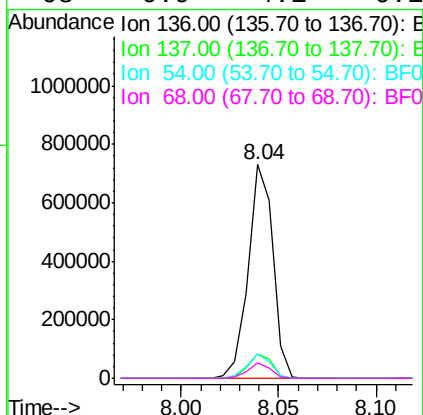
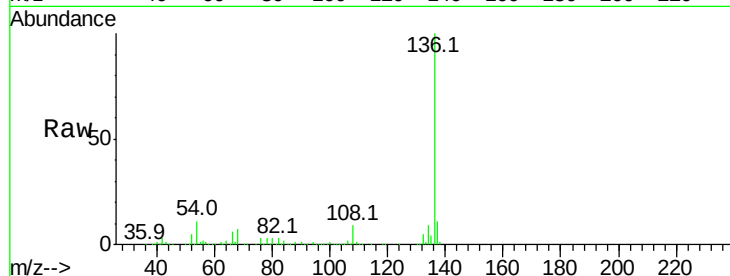




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.02 min
Lab File: BF096347.D
Acq: 30 Jun 2017 20:20

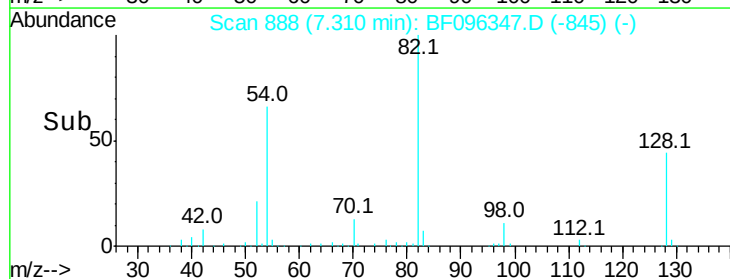
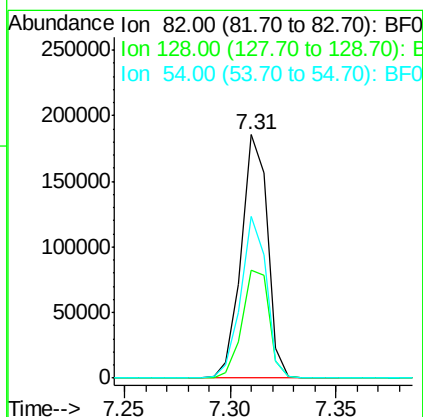
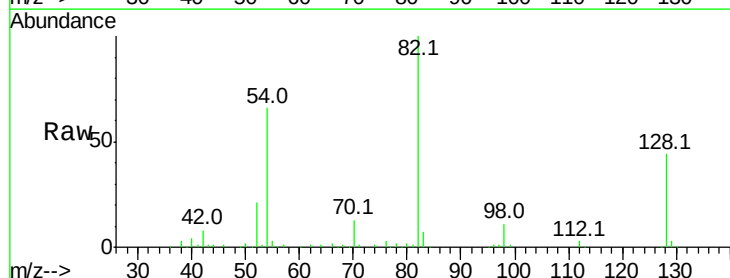
Instrument :
BNA_F
ClientSampleId :

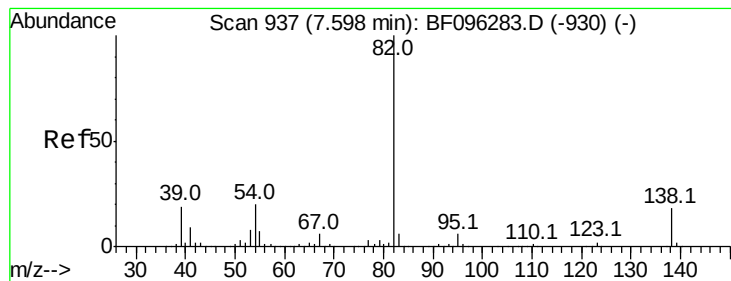
Tot Ion:136	Resp: 640967
Ion Ratio	Lower Upper
136 100	
137 11.3	8.5 12.7
54 11.2	4.9 7.3#
68 6.9	4.1 6.1#



#23
Nitrobenzene-d5
Concen: 17.26 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.05 min
Lab File: BF096347.D
Acq: 30 Jun 2017 20:20

Tgt	Ion: 82	Resp:	159814
Ion	Ratio	Lower	Upper
82	100		
128	44.2	34.0	51.0
54	66.3	42.2	63.2#





#25

Isophorone

Concen: 7.60 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.28 min

Lab File: BF096347.D

Acq: 30 Jun 2017 20:20

Instrument :

BNA_F

ClientSampled :

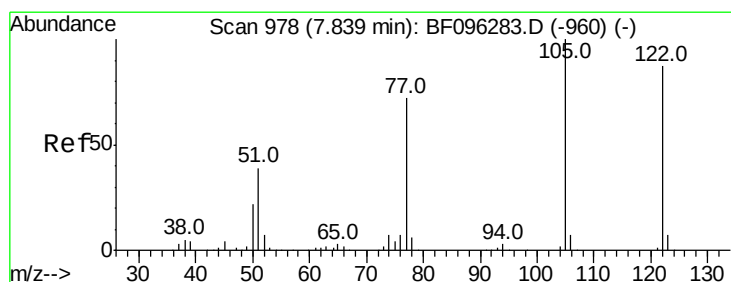
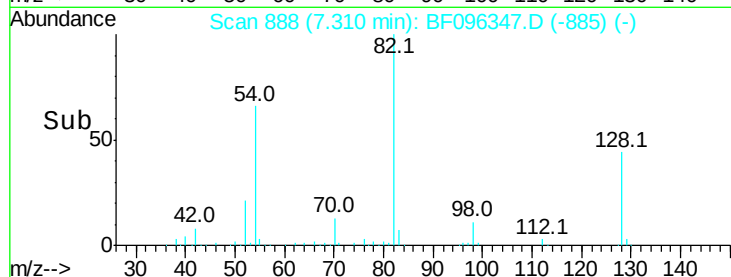
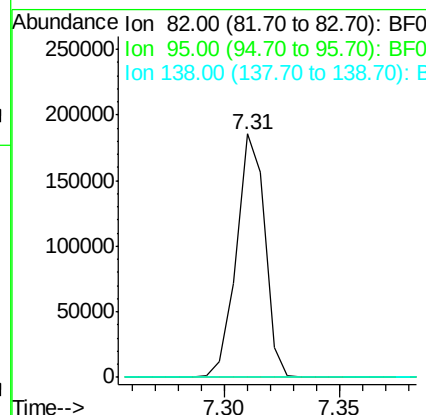
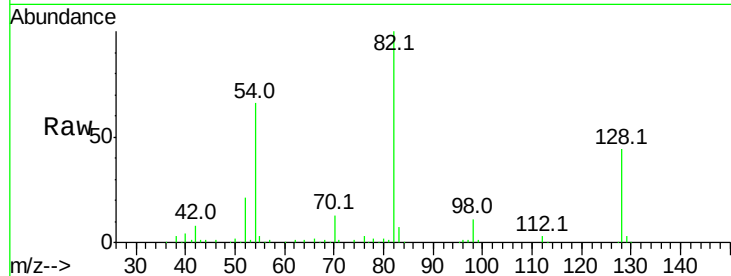
Tot Ion: 82 Resp: 159811

Ion Ratio Lower Upper

82 100

95 0.2 5.3 7.9#

138 0.0 13.1 19.7#



#32

Benzoic acid

Concen: 9.48 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.15 min

Lab File: BF096347.D

Acq: 30 Jun 2017 20:20

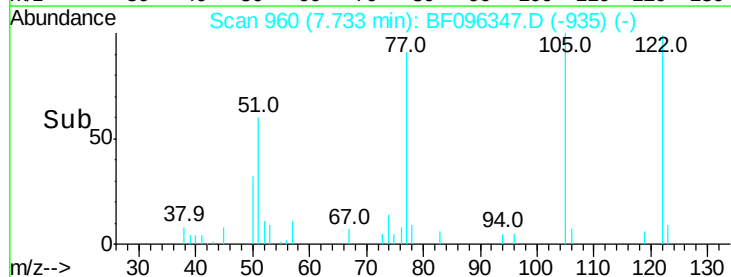
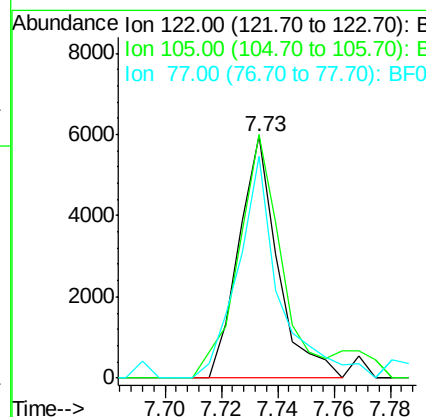
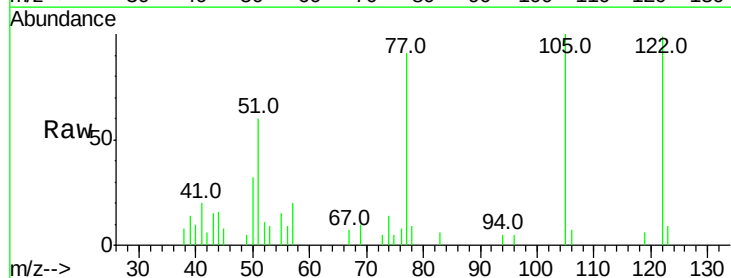
Tgt Ion:122 Resp: 5701

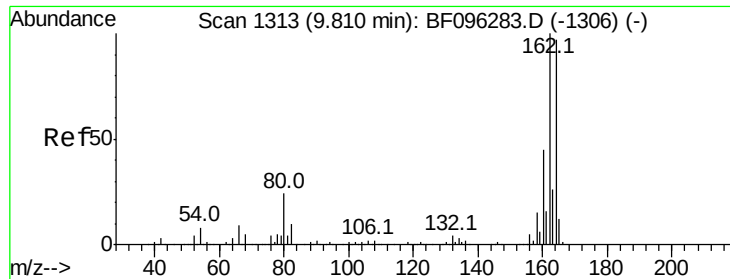
Ion Ratio Lower Upper

122 100

105 100.7 103.3 143.3#

77 92.0 73.7 113.7

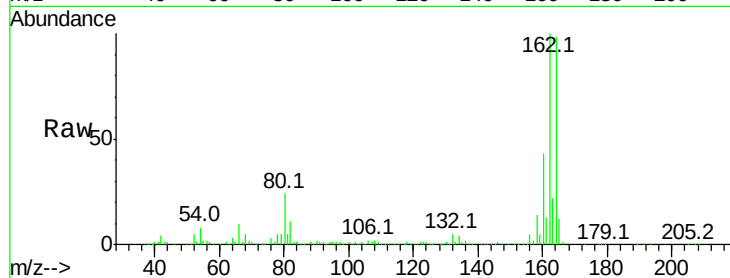




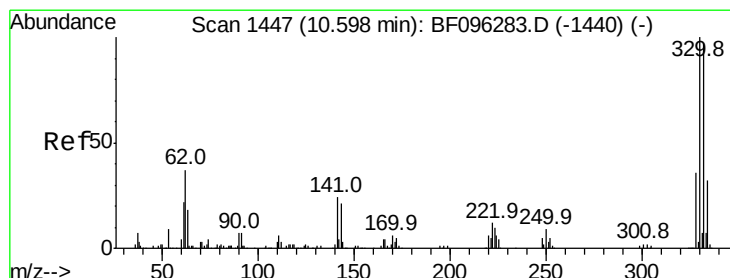
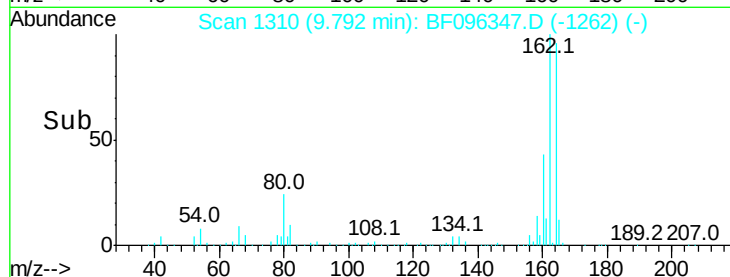
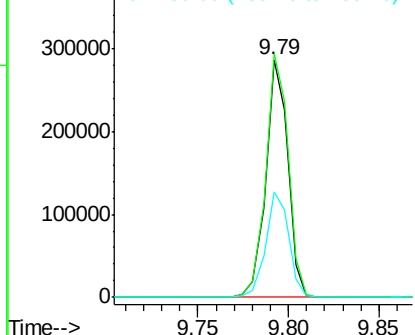
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. -0.02 min
 Lab File: BF096347.D
 Acq: 30 Jun 2017 20:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 241850
 Ion Ratio Lower Upper
 164 100
 162 102.5 82.6 123.8
 160 44.3 36.2 54.2

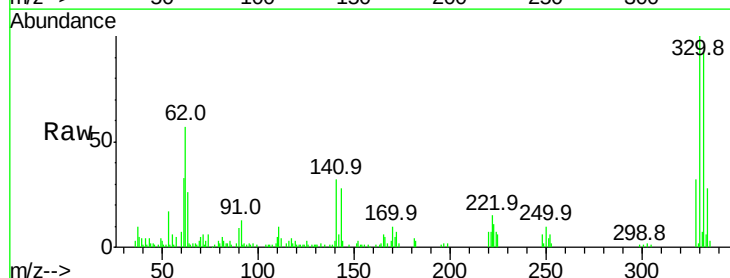


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

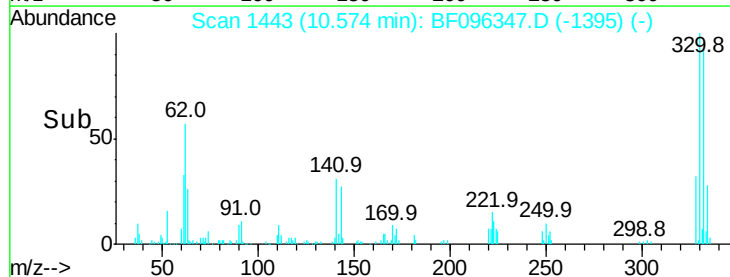
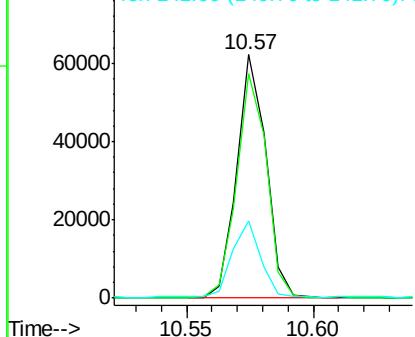


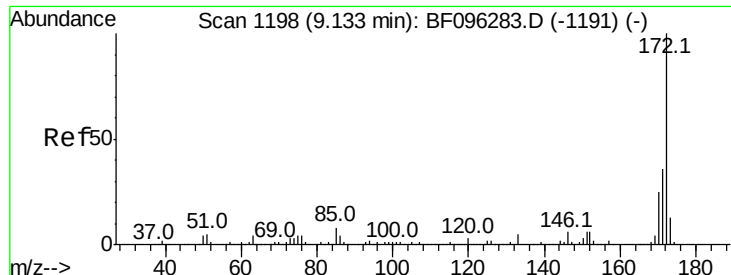
#41
 2,4,6-Tribromophenol
 Concen: 26.10 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.02 min
 Lab File: BF096347.D
 Acq: 30 Jun 2017 20:20

Tgt Ion:330 Resp: 49673
 Ion Ratio Lower Upper
 330 100
 332 94.6 76.6 115.0
 141 32.6 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

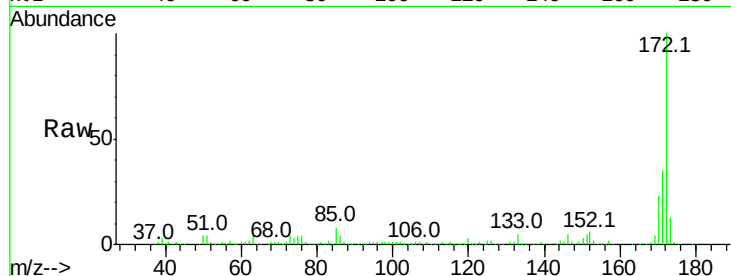




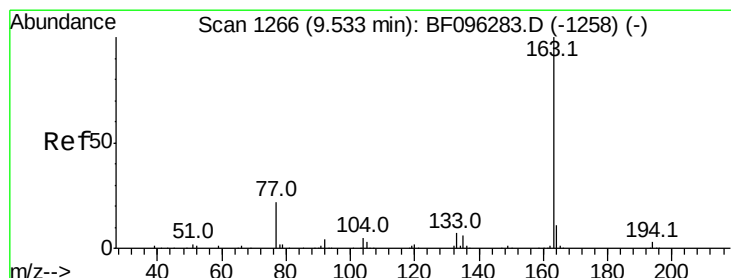
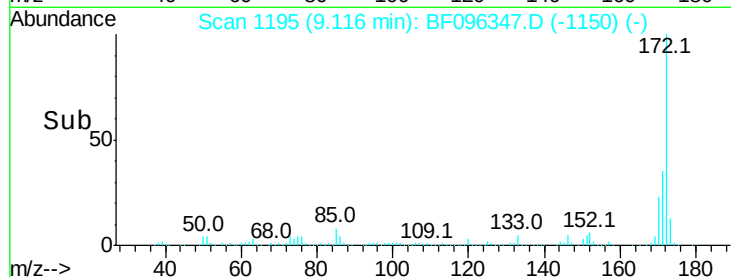
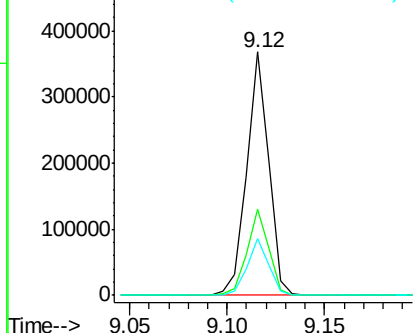
#44
2-Fluorobiphenyl
Concen: 21.65 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.03 min
Lab File: BF096347.D
Acq: 30 Jun 2017 20:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.6	44.4
170	23.1	19.8	29.8

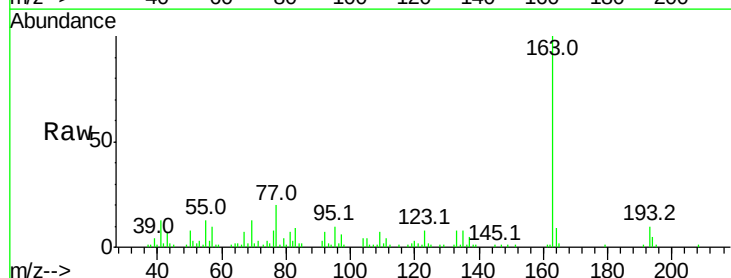


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

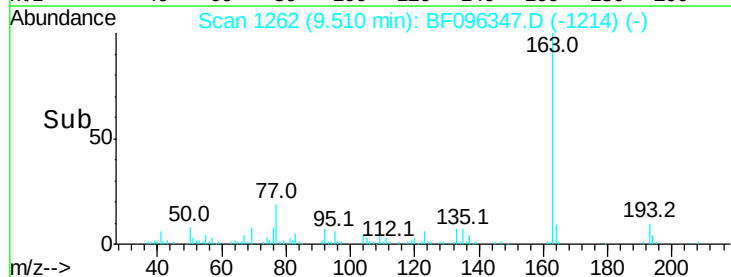
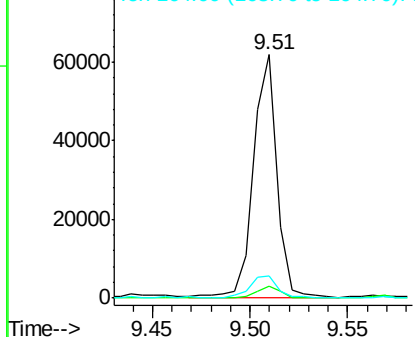


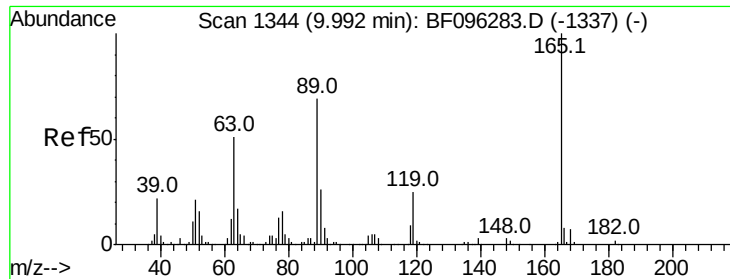
#49
Dimethylphthalate
Concen: 2.99 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF096347.D
Acq: 30 Jun 2017 20:20

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.9	2.6	4.0#
164	9.3	8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

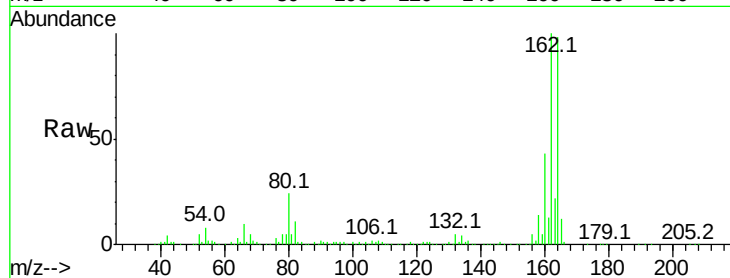




#56
 2,4-Dinitrotoluene
 Concen: 7.30 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. -0.22 min
 Lab File: BF096347.D
 Acq: 30 Jun 2017 20:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	25.4	38.0#
89	1.2	46.4	69.6#
182	0.0	1.8	2.6#

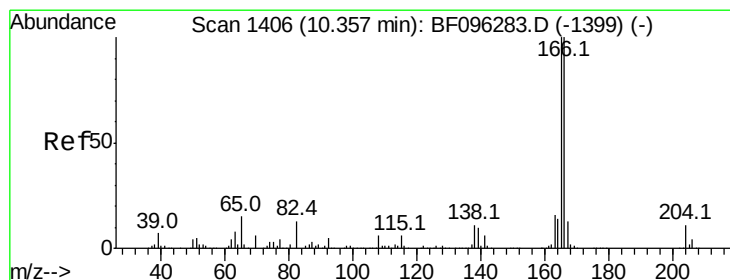
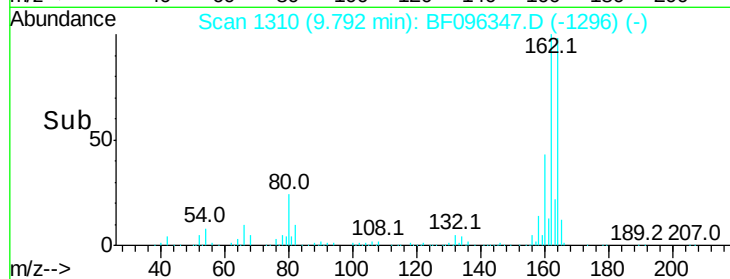
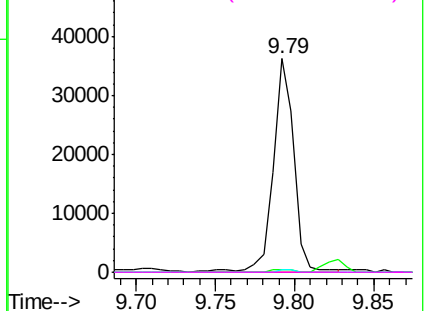


Abundance Ion 165.00 (164.70 to 165.70): E

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



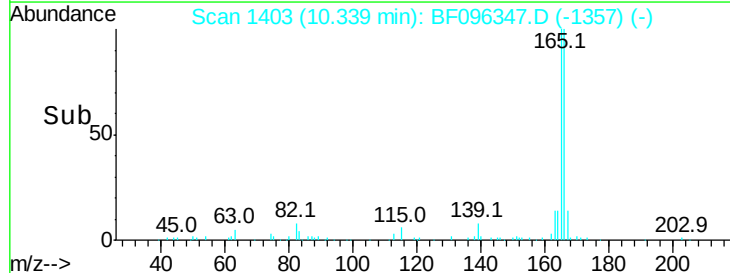
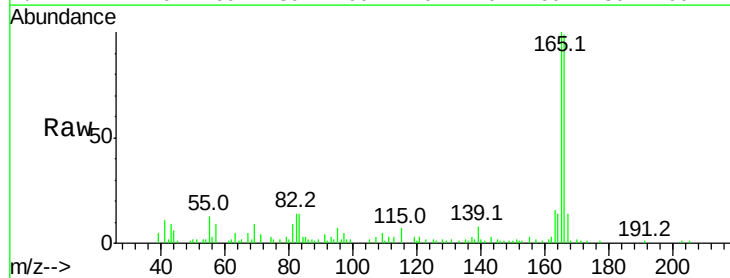
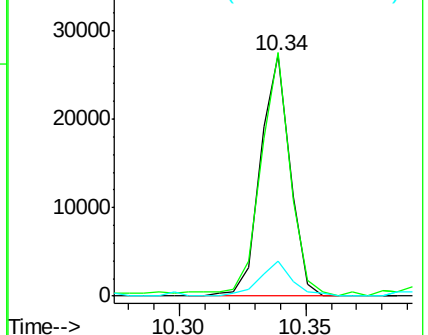
#57
 Fluorene
 Concen: Below Cal
 RT: 10.34 min Scan# 1403
 Delta R.T. -0.03 min
 Lab File: BF096347.D
 Acq: 30 Jun 2017 20:20

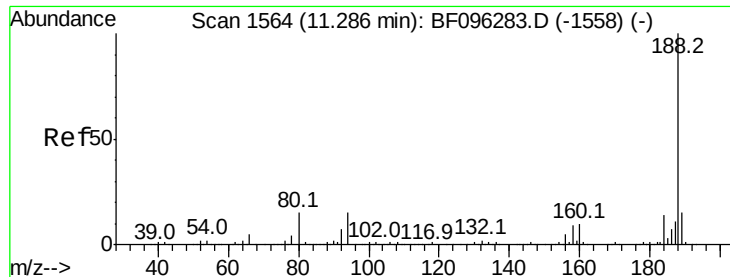
Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.1	78.8	118.2
167	14.5	10.6	16.0

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

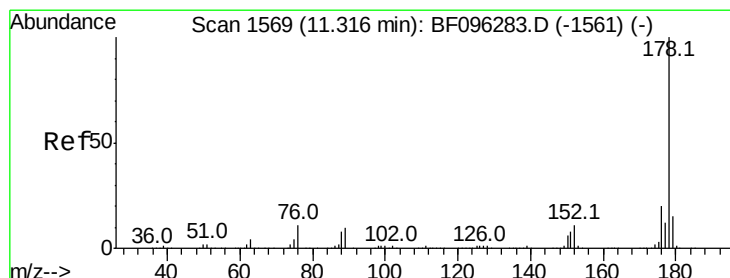
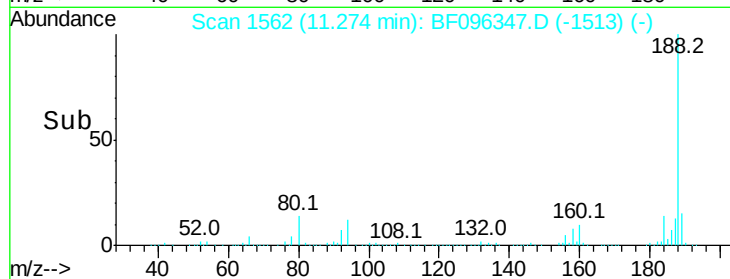
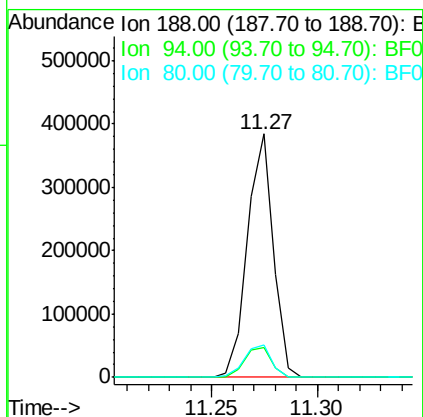
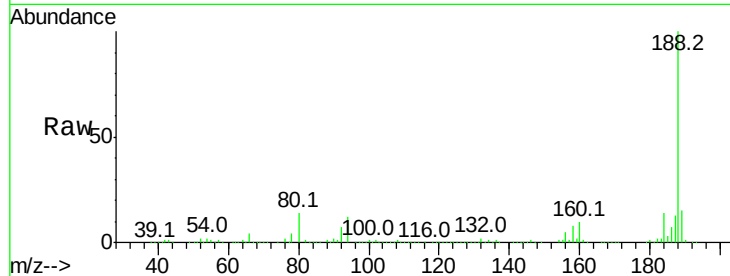




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF096347.D
Acq: 30 Jun 2017 20:20

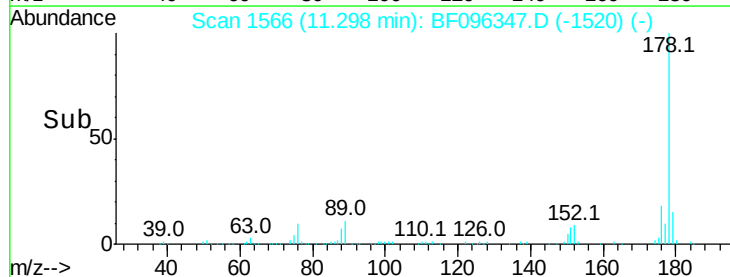
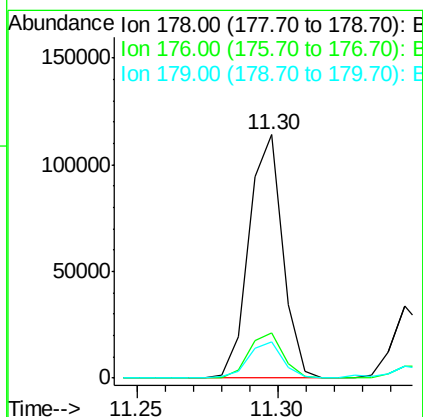
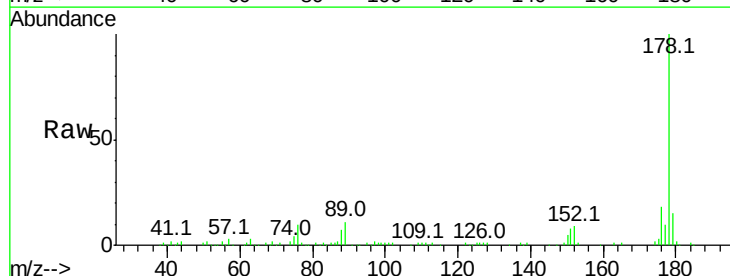
Instrument :
BNA_F
ClientSampled :

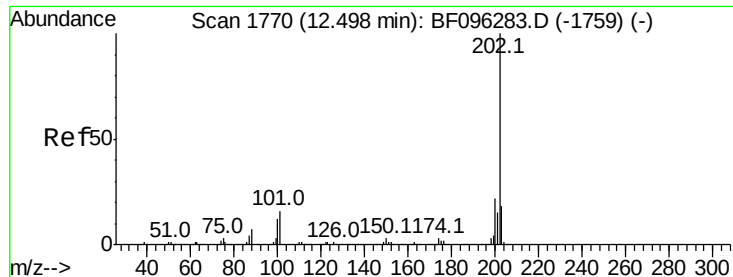
Tot Ion:188 Resp: 326407
Ion Ratio Lower Upper
188 100
94 12.4 9.4 14.2
80 13.5 10.2 15.2



#70
Phenanthrene
Concen: Below Cal
RT: 11.30 min Scan# 1566
Delta R.T. -0.03 min
Lab File: BF096347.D
Acq: 30 Jun 2017 20:20

Tgt Ion:178 Resp: 94441
Ion Ratio Lower Upper
178 100
176 18.5 16.2 24.4
179 15.0 12.6 19.0





#74

Fluoranthene

Concen: 6.29 ng

RT: 12.48 min Scan# 1767

Delta R.T. -0.01 min

Lab File: BF096347.D

Acq: 30 Jun 2017 20:20

Instrument :

BNA_F

ClientSampleId :

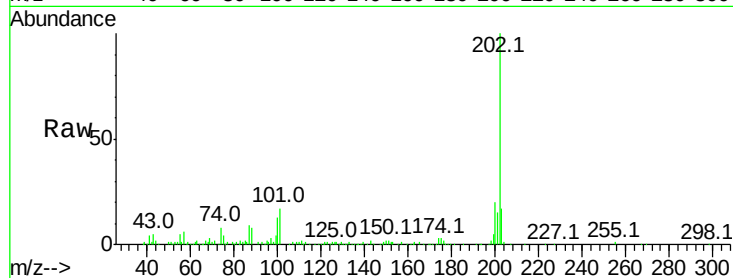
Tot Ion:202 Resp: 114035

Ion Ratio Lower Upper

202 100

101 16.6 0.0 33.2

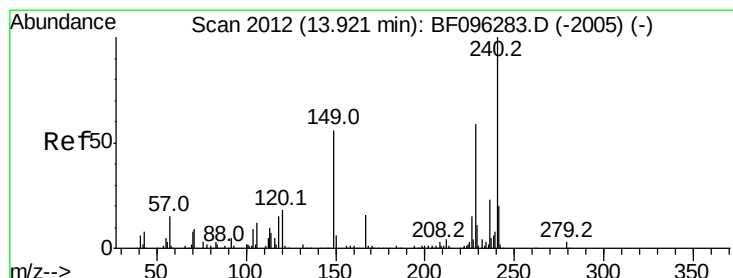
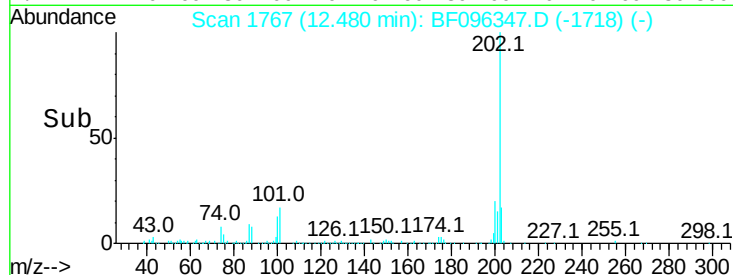
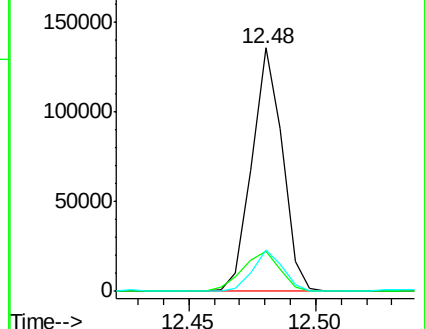
203 17.0 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF096347.D

Acq: 30 Jun 2017 20:20

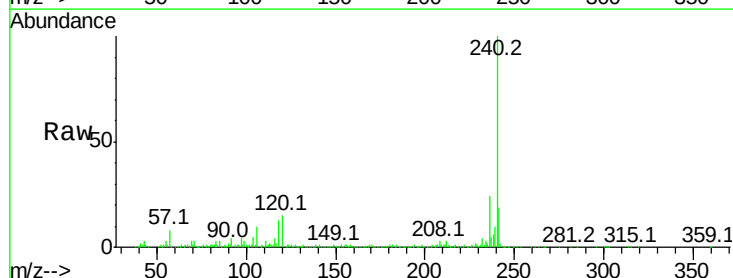
Tgt Ion:240 Resp: 310217

Ion Ratio Lower Upper

240 100

120 15.1 5.8 8.8#

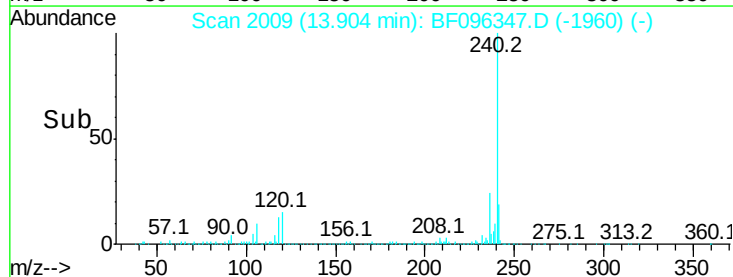
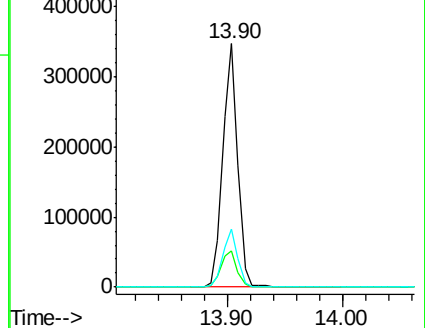
236 24.0 20.5 30.7

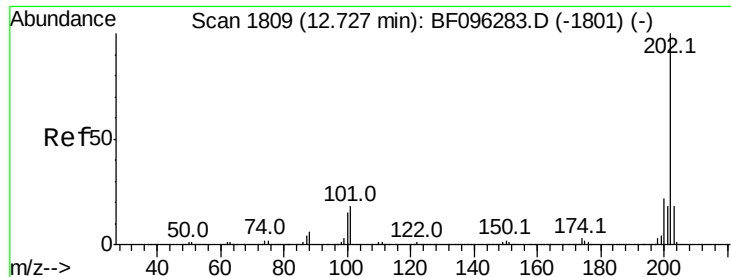


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

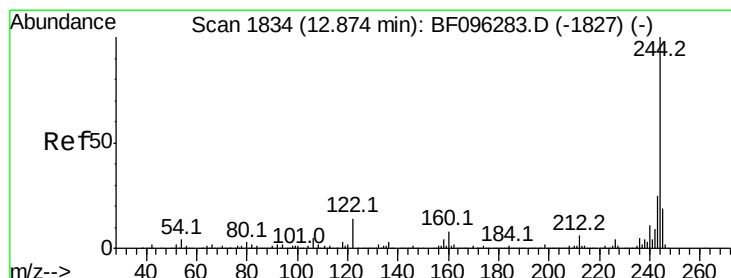
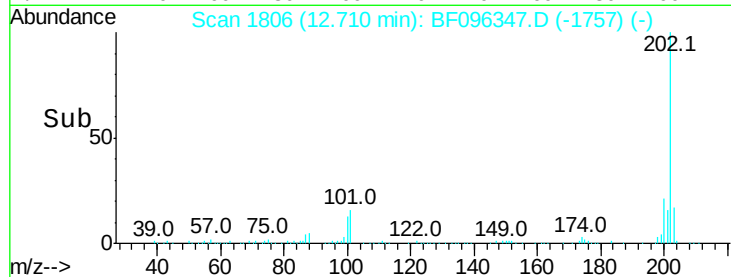
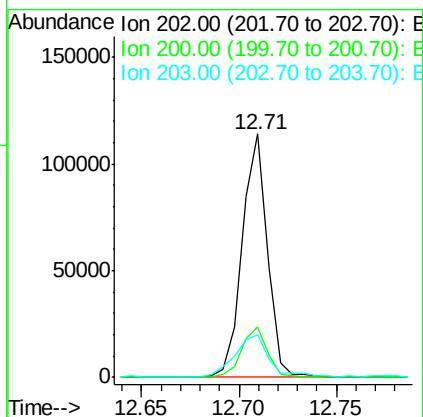
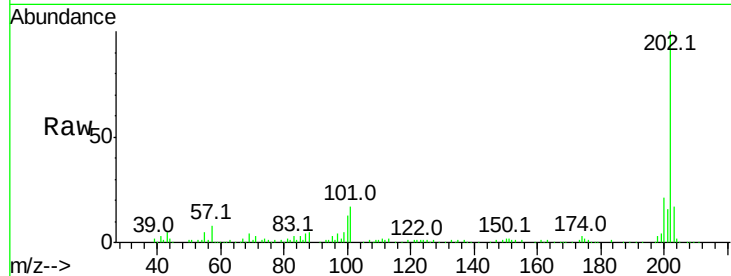




#77
Pvrene
Concen: 4.00 ng
RT: 12.71 min Scan# 1806
Delta R.T. -0.01 min
Lab File: BF096347.D
Acq: 30 Jun 2017 20:20

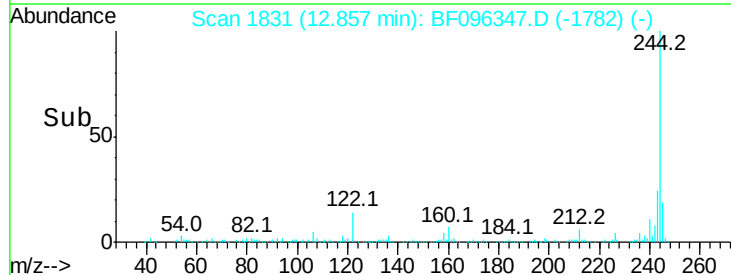
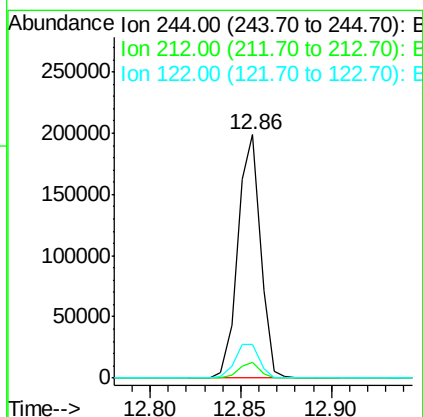
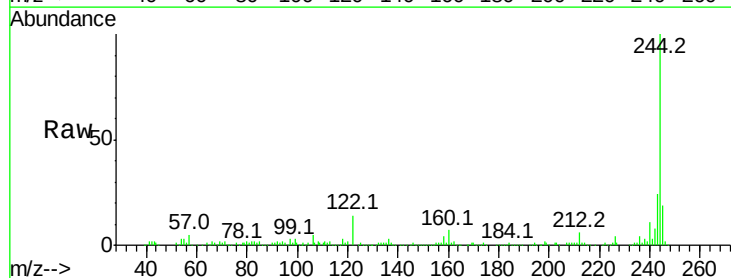
Instrument :
BNA_F
ClientSampleId :

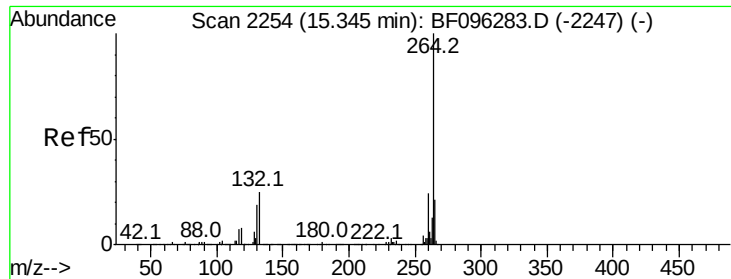
Tot Ion:202 Resp: 101979
Ion Ratio Lower Upper
202 100
200 20.9 17.6 26.4
203 17.4 14.4 21.6



#78
Terphenyl-d14
Concen: 13.89 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BF096347.D
Acq: 30 Jun 2017 20:20

Tgt Ion:244 Resp: 172652
Ion Ratio Lower Upper
244 100
212 6.3 6.0 9.0
122 13.9 10.3 15.5

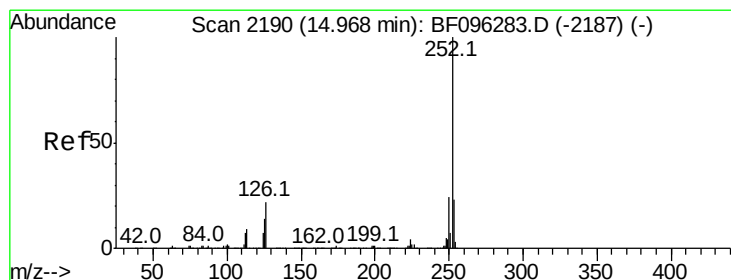
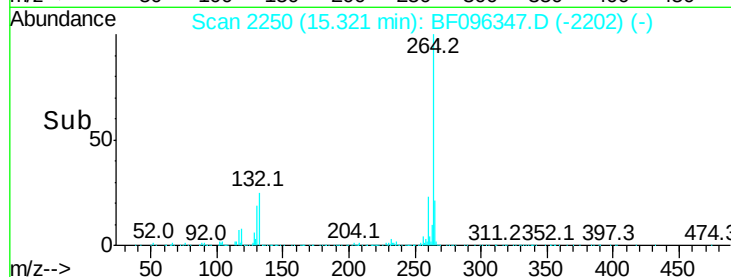
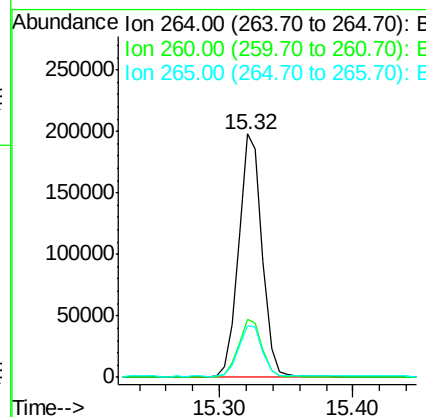
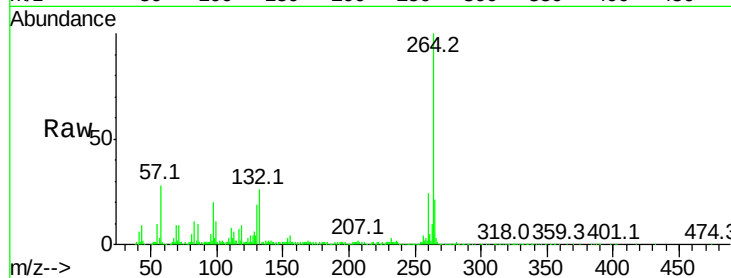




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.02 min
Lab File: BF096347.D
Acq: 30 Jun 2017 20:20

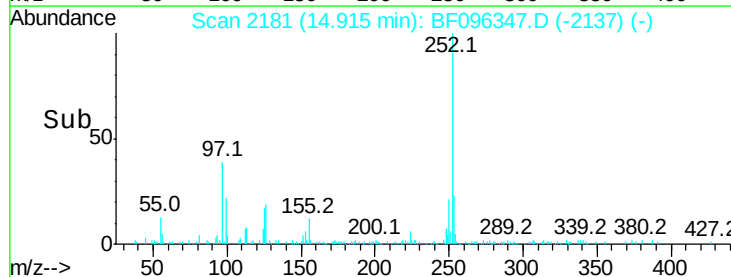
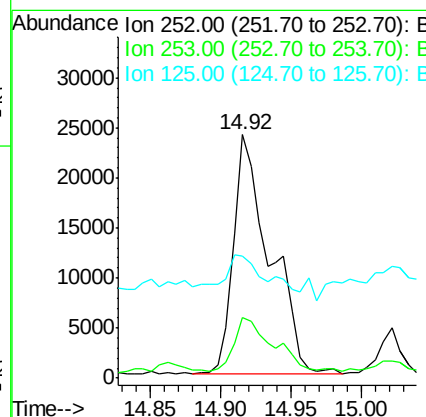
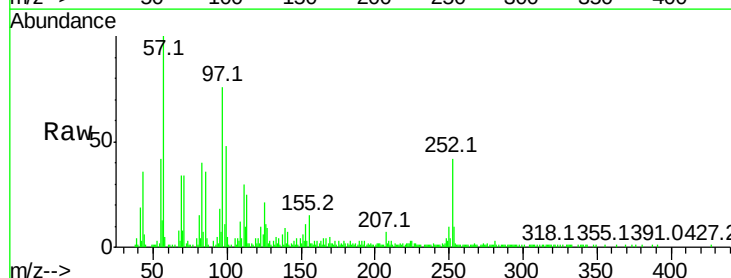
Instrument :
BNA_F
ClientSampleId :

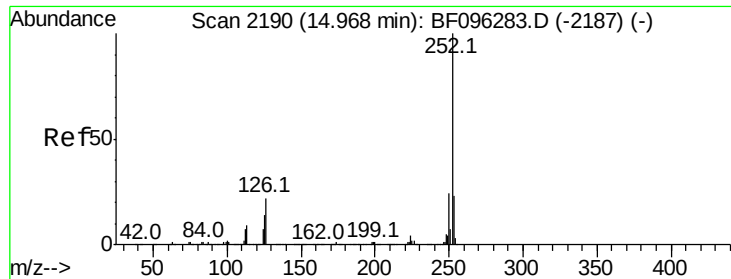
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	21.1	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 2.77 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.04 min
Lab File: BF096347.D
Acq: 30 Jun 2017 20:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.1	27.1
125	50.2	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 3.03 ng

RT: 14.92 min Scan# 2181

Delta R.T. -0.04 min

Lab File: BF096347.D

Acq: 30 Jun 2017 20:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 43679

Ion Ratio Lower Upper

252 100

253 24.7 18.4 27.6

125 50.2 13.1 19.7#

