

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062917\
 Data File : BF096306.D
 Acq On : 29 Jun 2017 21:58
 Operator : SJ/MA
 Sample : I3882-05 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 30 01:09:47 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

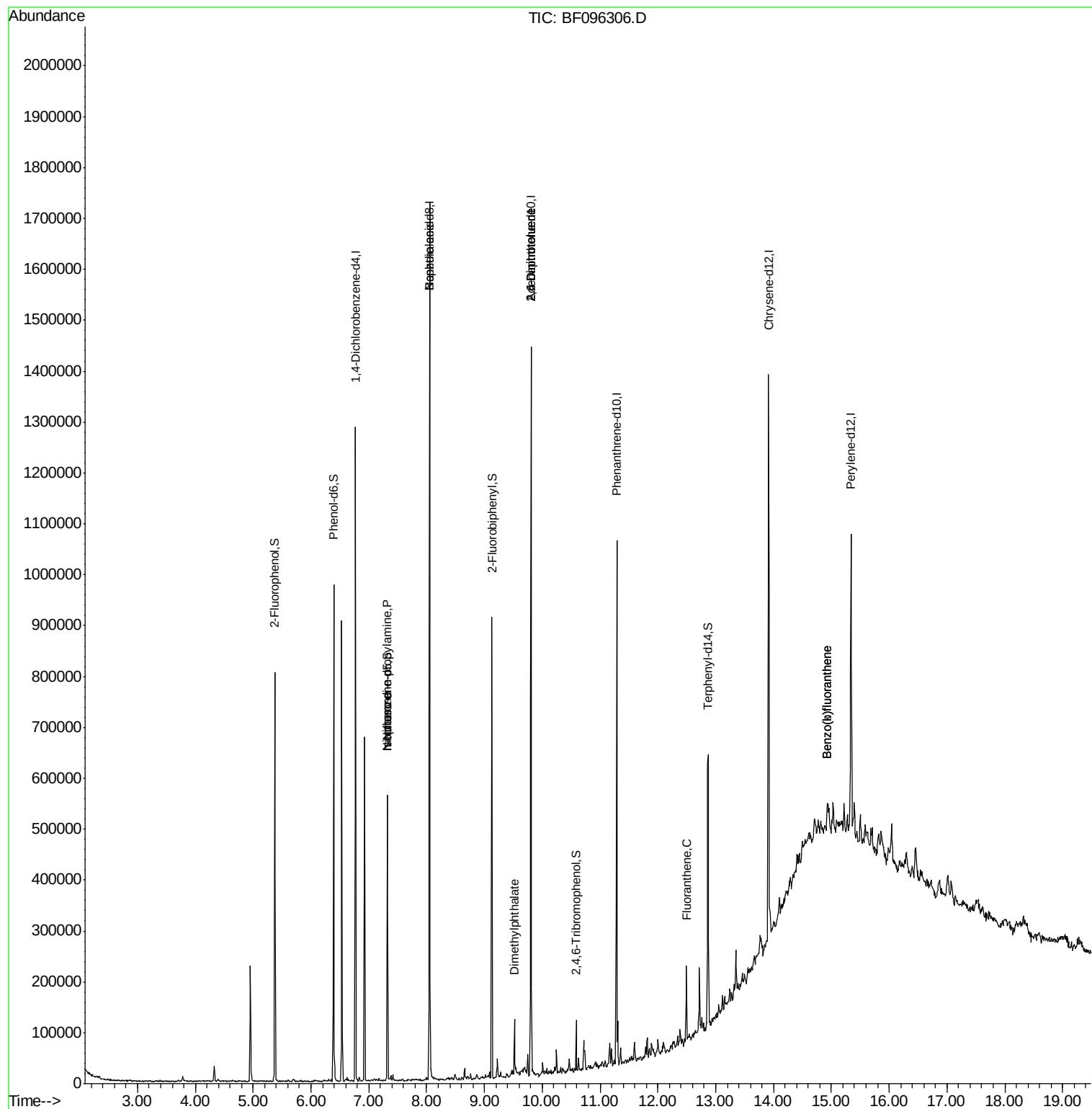
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	179012	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	706817	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	255106	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	352316	20.00	ng	0.00
75) Chrysene-d12	13.92	240	345292	20.00	ng	0.00
86) Perylene-d12	15.34	264	268700	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	198540	15.98	ng	0.00
7) Phenol-d6	6.39	99	272832	18.13	ng	0.00
23) Nitrobenzene-d5	7.32	82	142185	13.93	ng	-0.04
41) 2,4,6-Tribromophenol	10.59	330	9989	4.98	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	255118	18.31	ng	-0.02
78) Terphenyl-d14	12.87	244	157300	11.37	ng	0.00
Target Compounds						
9) Benzaldehyde	6.31	77	357	Below Cal	#	58
19) n-Nitroso-di-n-propylamine	7.32	70	18218	2.02 ng	#	86
25) Isophorone	7.32	82	142183	6.13 ng	#	67
32) Benzoic acid	8.05	122	126	8.80 ng	#	1
49) Dimethylphthalate	9.52	163	39464	2.16 ng		97
50) 2,6-Dinitrotoluene	9.80	165	31898	8.40 ng	#	33
56) 2,4-Dinitrotoluene	9.80	165	31898	6.66 ng	#	33
57) Fluorene	10.35	166	1605	Below Cal	#	93
70) Phenanthrene	11.30	178	29093	Below Cal		97
74) Fluoranthene	12.49	202	49925	2.55 ng		96
87) Benzo(b)fluoranthene	14.93	252	41349	2.34 ng	#	77
88) Benzo(k)fluoranthene	14.93	252	41349	2.57 ng	#	81

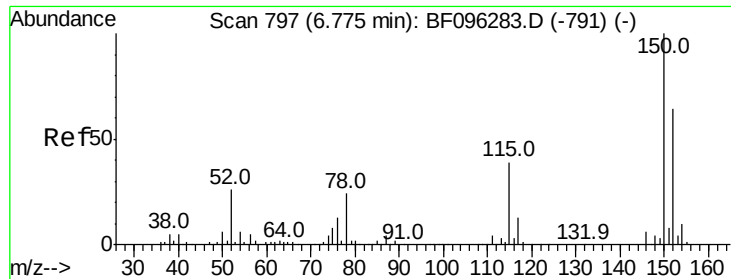
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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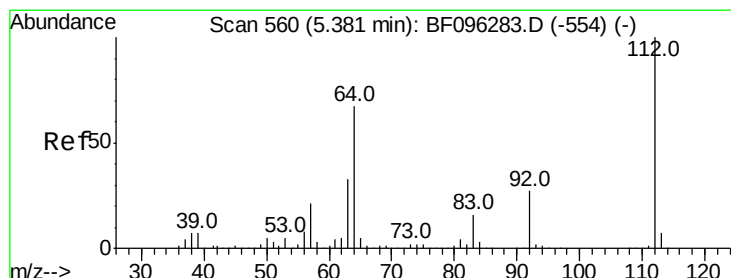
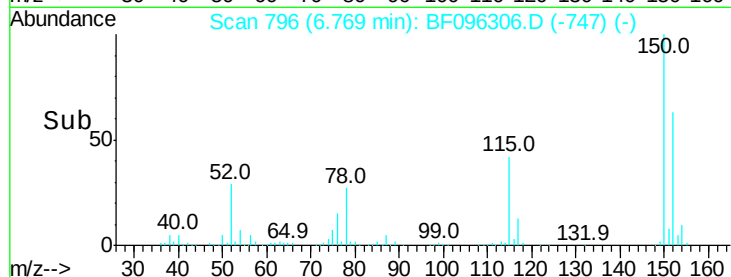
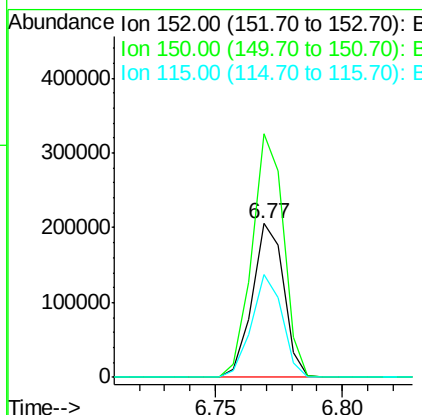
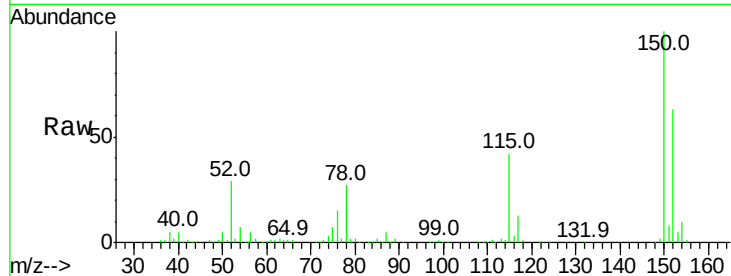


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF096306.D
Acq: 29 Jun 2017 21:58

Instrument :
BNA_F
ClientSampled :

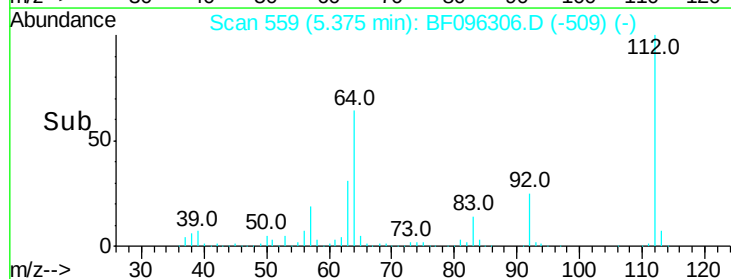
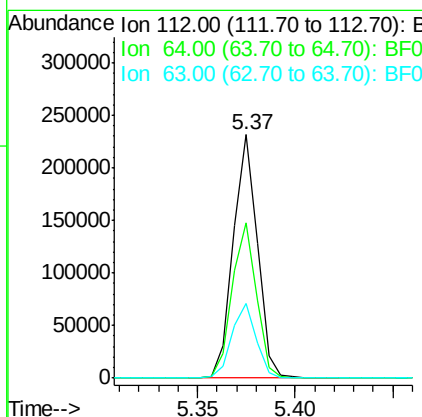
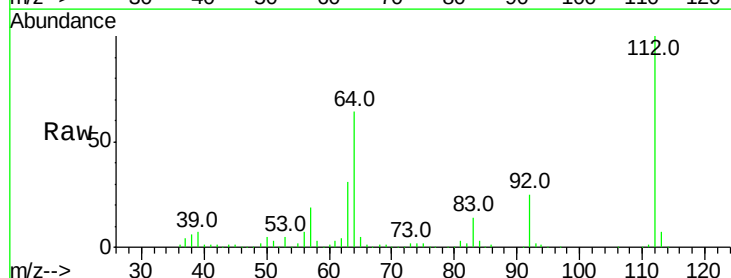
Tot Ion:152 Resp: 179012
Ion Ratio Lower Upper
152 100
150 158.3 126.2 189.2
115 67.0 52.2 78.2

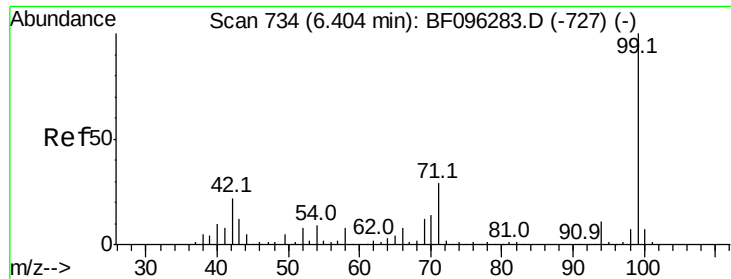


#5

2-Fluorophenol
Concen: 15.98 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF096306.D
Acq: 29 Jun 2017 21:58

Tgt Ion:112 Resp: 198540
Ion Ratio Lower Upper
112 100
64 63.6 46.0 69.0
63 30.6 23.4 35.0





#7

Phenol-d6

Concen: 18.13 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF096306.D

Acq: 29 Jun 2017 21:58

Instrument :

BNA_F

ClientSampled :

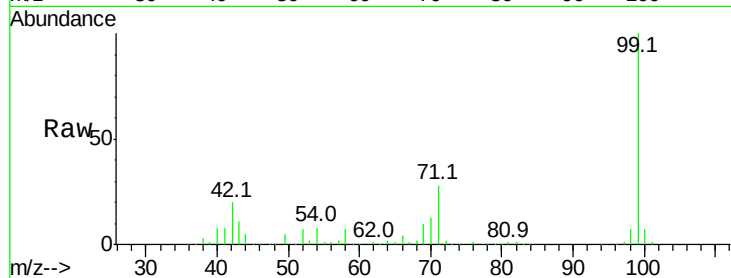
Tot Ion: 99 Resp: 272832

Ion Ratio Lower Upper

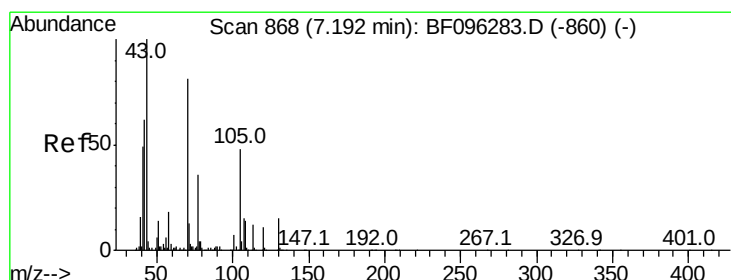
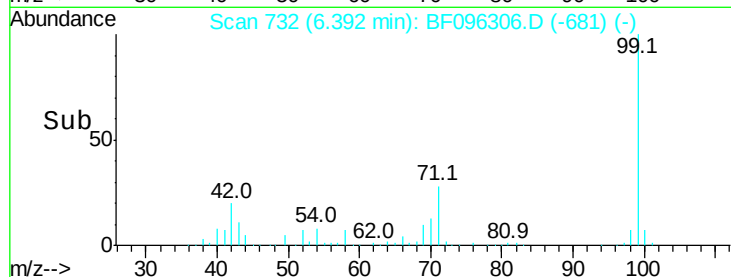
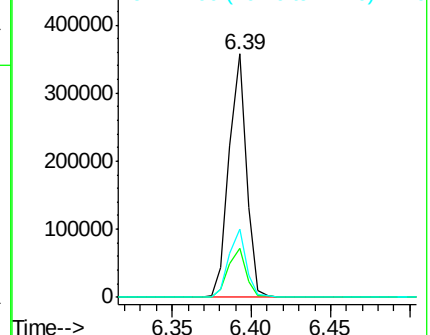
99 100

42 20.1 13.5 20.3

71 28.0 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: 2.02 ng

RT: 7.32 min Scan# 890

Delta R.T. 0.14 min

Lab File: BF096306.D

Acq: 29 Jun 2017 21:58

Tgt Ion: 70 Resp: 18218

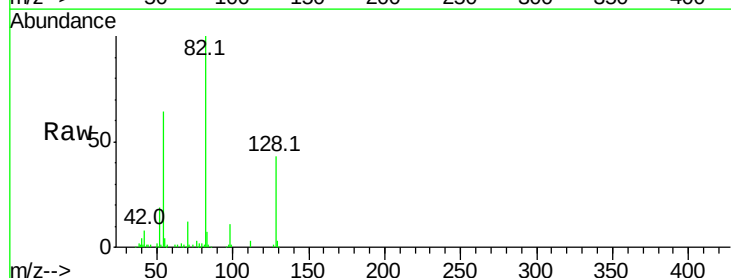
Ion Ratio Lower Upper

70 100

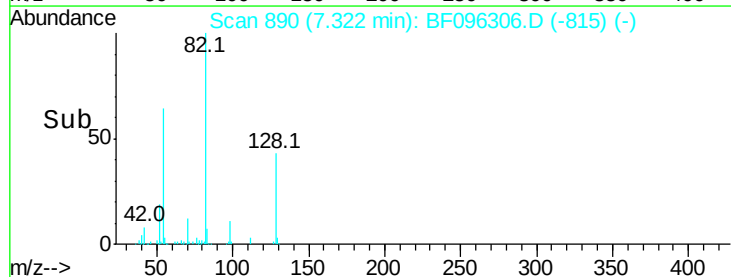
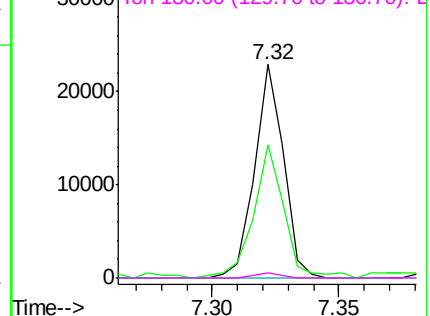
42 62.2 47.2 70.8

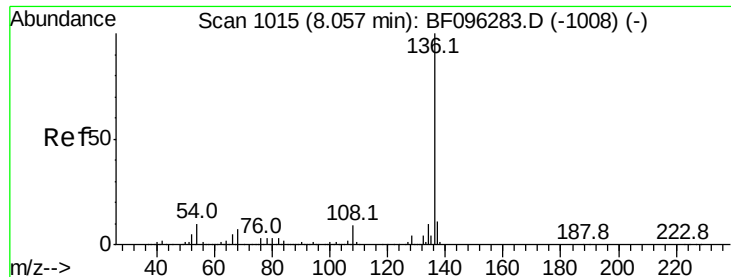
101 0.0 7.2 10.8#

130 2.3 15.9 23.9#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): BF0
Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF096306.D

Acq: 29 Jun 2017 21:58

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 706817

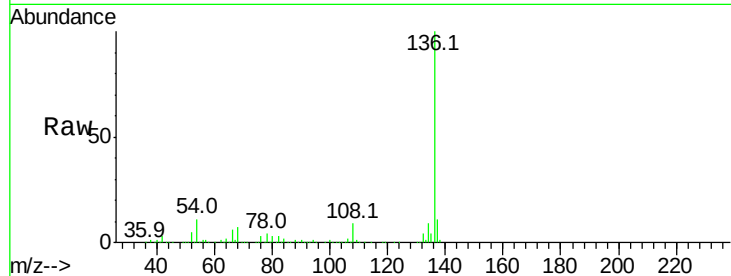
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 11.2 4.9 7.3#

68 6.9 4.1 6.1#

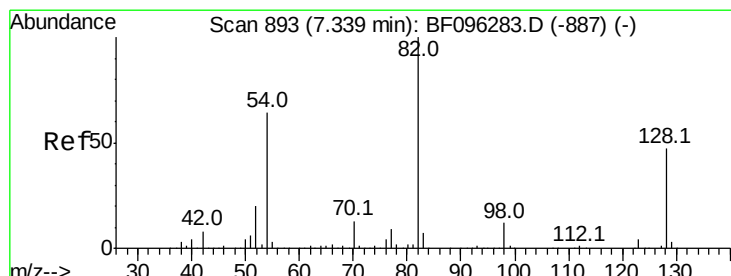
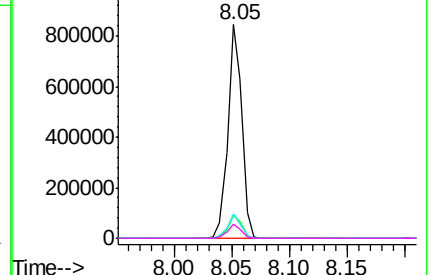
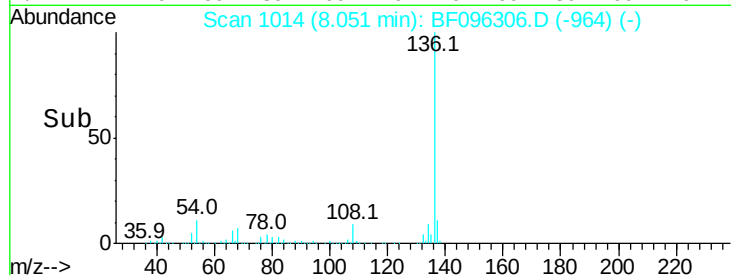


Abundance Ion 136.00 (135.70 to 136.70): E

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: 13.93 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.04 min

Lab File: BF096306.D

Acq: 29 Jun 2017 21:58

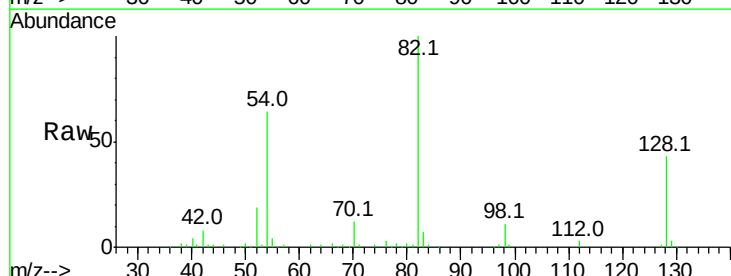
Tgt Ion: 82 Resp: 142185

Ion Ratio Lower Upper

82 100

128 42.8 34.0 51.0

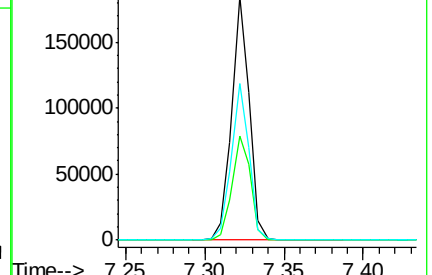
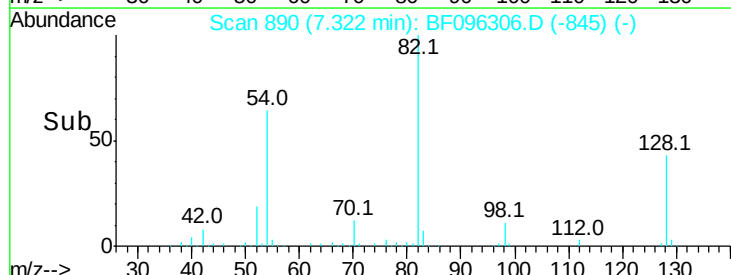
54 64.3 42.2 63.2#

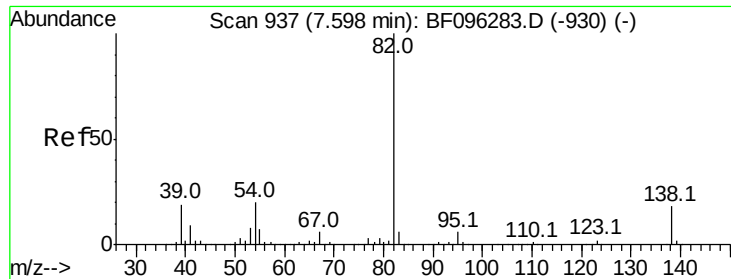


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 6.13 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.27 min

Lab File: BF096306.D

Acq: 29 Jun 2017 21:58

Instrument :
BNA_F
ClientSampled :

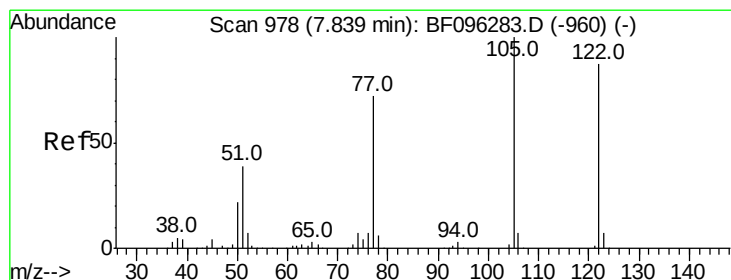
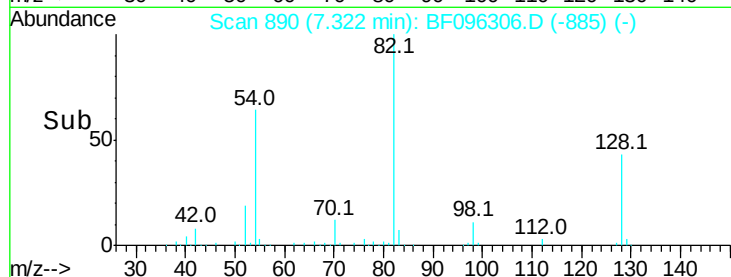
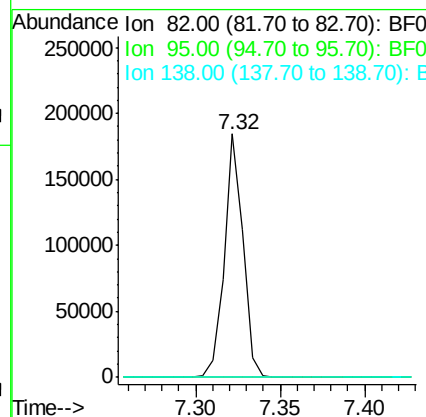
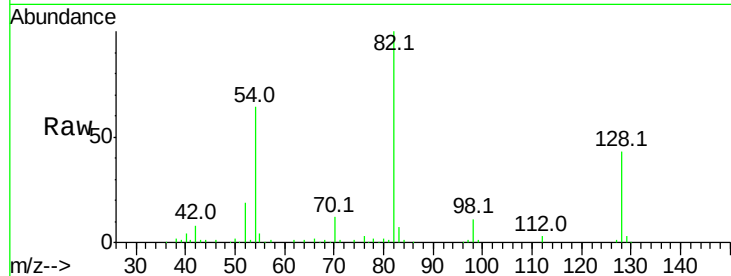
Tot Ion: 82 Resp: 142183

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#32

Benzoic acid

Concen: 8.80 ng

RT: 8.05 min Scan# 1014

Delta R.T. 0.17 min

Lab File: BF096306.D

Acq: 29 Jun 2017 21:58

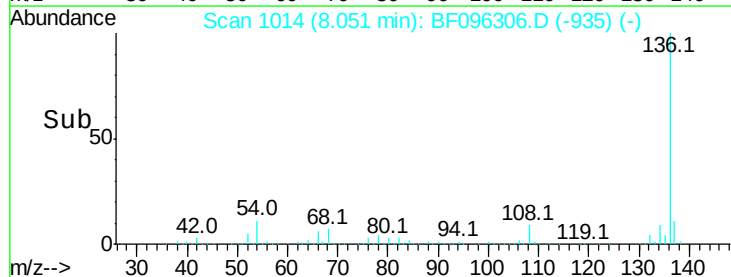
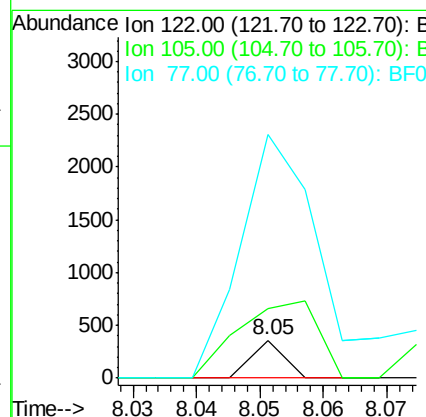
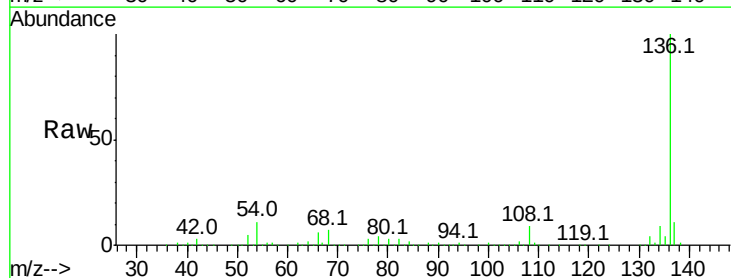
Tgt Ion:122 Resp: 126

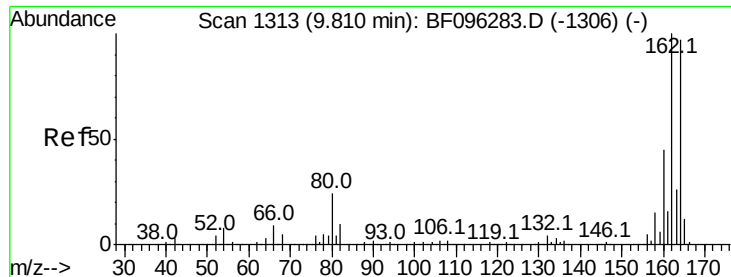
Ion Ratio Lower Upper

122 100

105 186.8 103.3 143.3#

77 648.0 73.7 113.7#

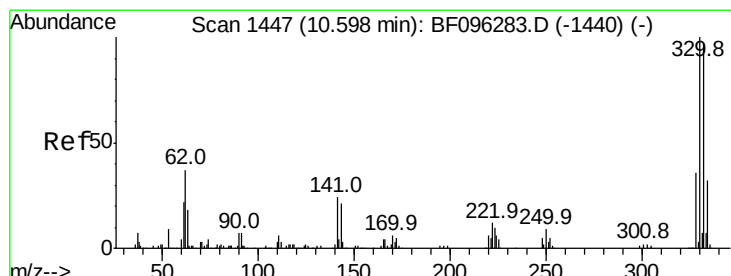
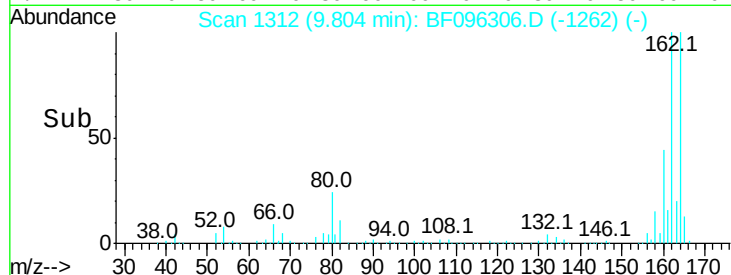
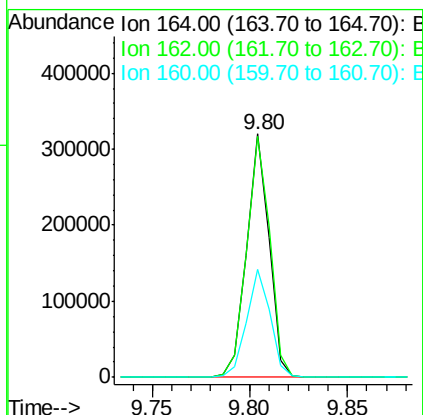
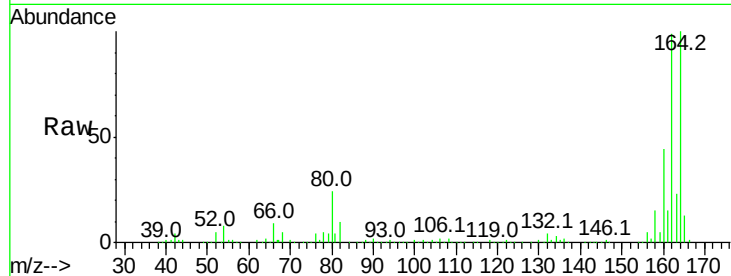




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF096306.D
Acq: 29 Jun 2017 21:58

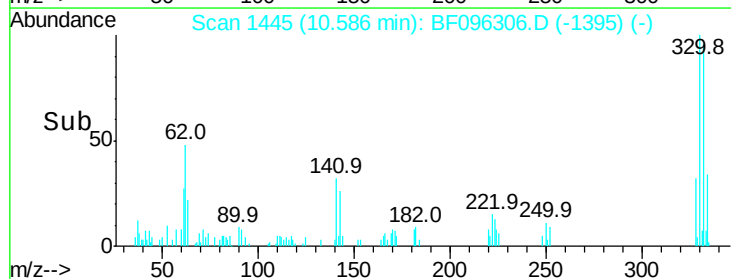
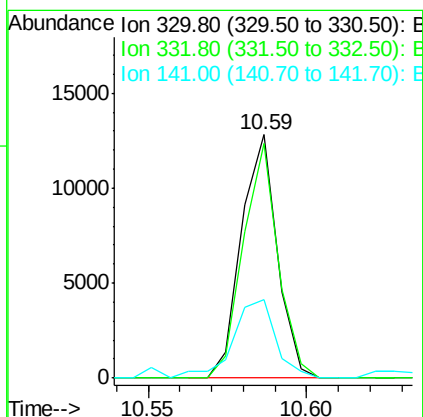
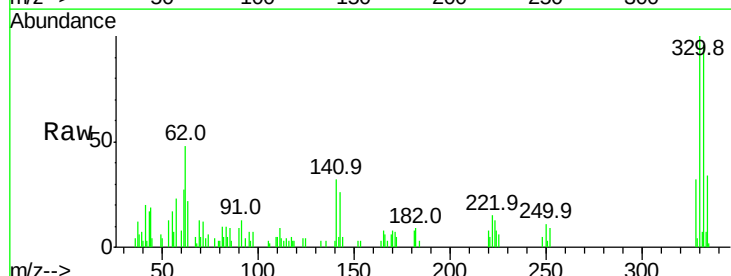
Instrument :
BNA_F
ClientSampled :

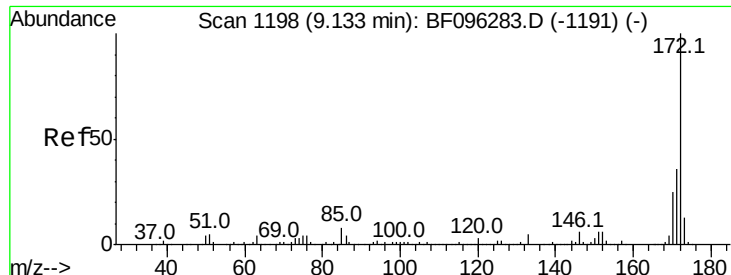
Tot Ion:164 Resp: 255106
Ion Ratio Lower Upper
164 100
162 99.2 82.6 123.8
160 44.2 36.2 54.2



#41
2,4,6-Tribromophenol
Concen: 4.98 ng
RT: 10.59 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BF096306.D
Acq: 29 Jun 2017 21:58

Tgt Ion:330 Resp: 9989
Ion Ratio Lower Upper
330 100
332 94.1 76.6 115.0
141 38.2 31.4 47.2

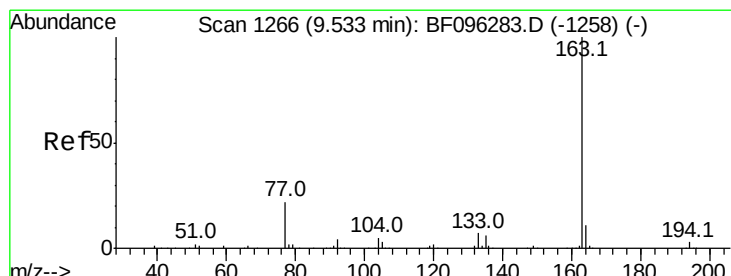
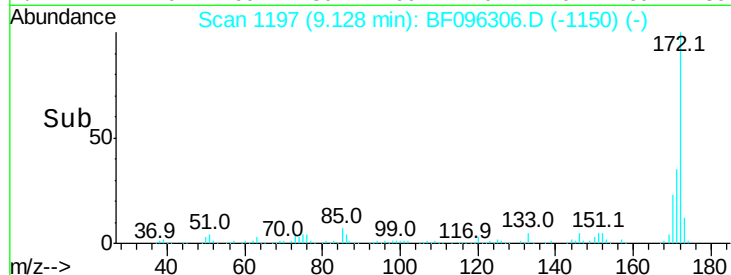
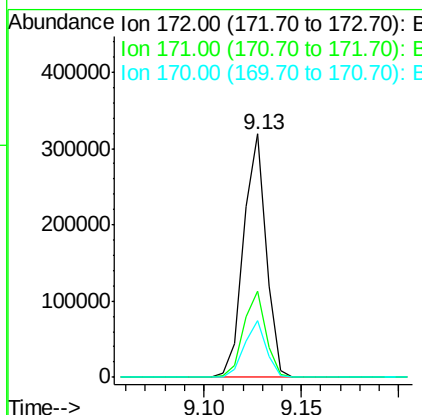
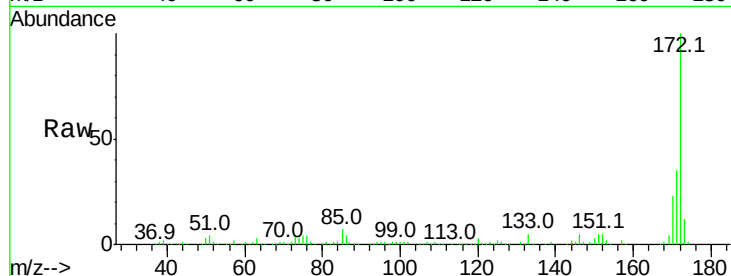




#44
2-Fluorobiphenyl
Concen: 18.31 ng
RT: 9.13 min Scan# 1197
Delta R.T. -0.02 min
Lab File: BF096306.D
Acq: 29 Jun 2017 21:58

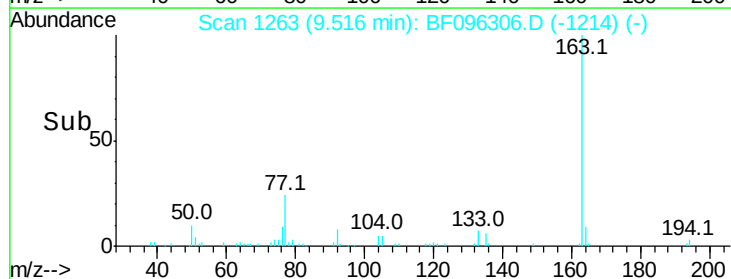
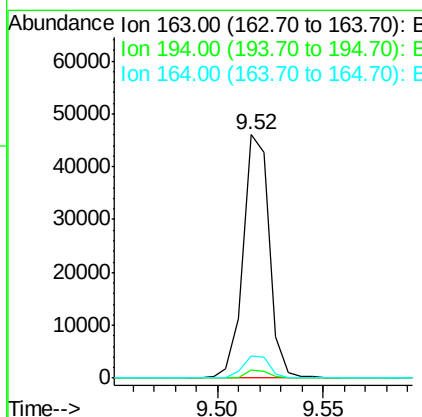
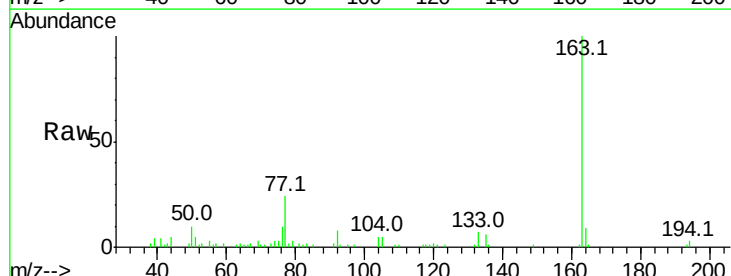
Instrument :
BNA_F
ClientSampleId :

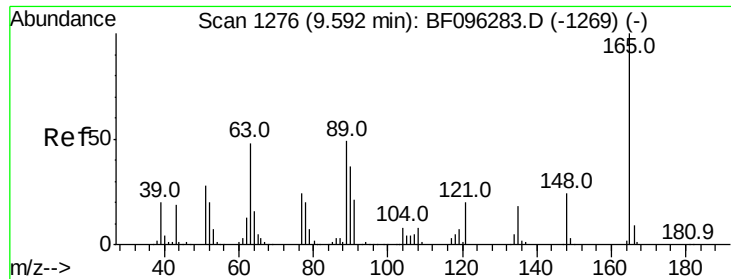
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	23.1	19.8	29.8



#49
Dimethylphthalate
Concen: 2.16 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF096306.D
Acq: 29 Jun 2017 21:58

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	4.0
164	9.2	8.4	12.6

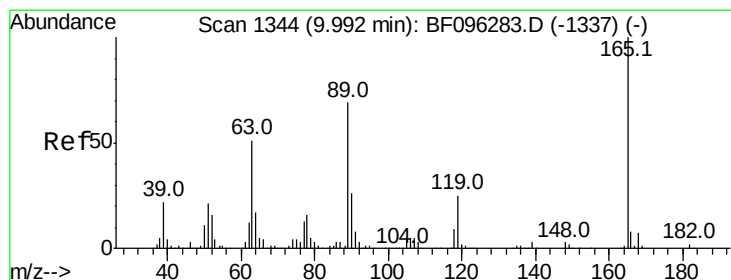
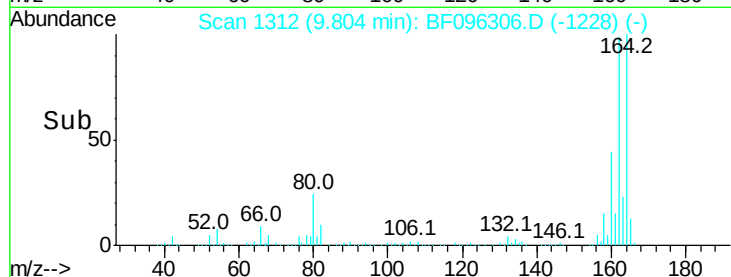
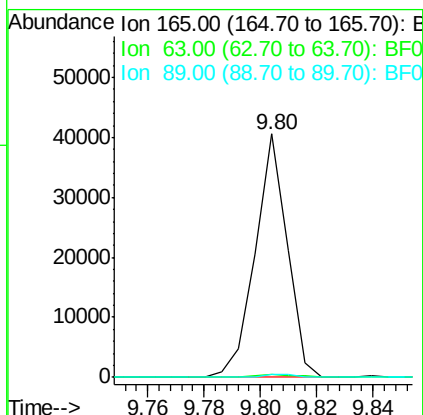
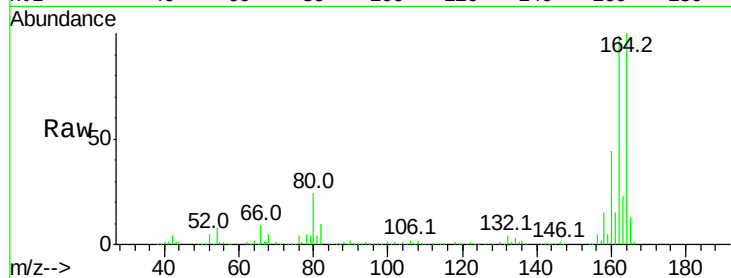




#50
 2,6-Dinitrotoluene
 Concen: 8.40 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. 0.19 min
 Lab File: BF096306.D
 Acq: 29 Jun 2017 21:58

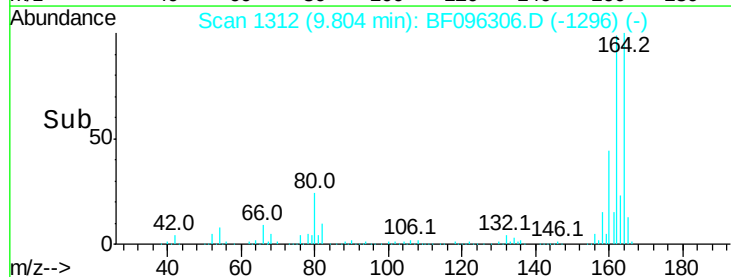
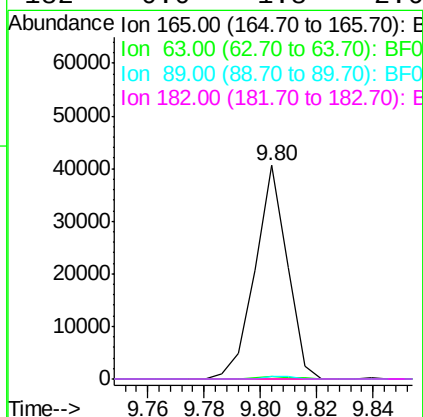
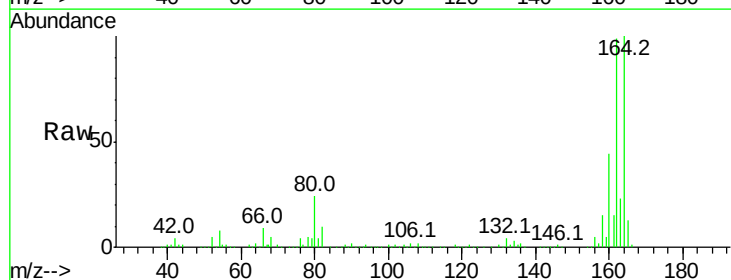
Instrument :
 BNA_F
 ClientSampleId :

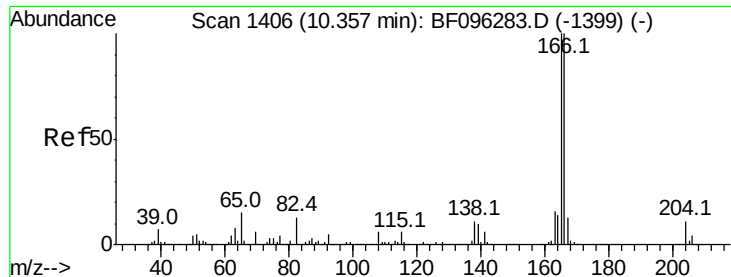
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	34.3	51.5#
89	1.3	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 6.66 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.21 min
 Lab File: BF096306.D
 Acq: 29 Jun 2017 21:58

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	25.4	38.0#
89	1.3	46.4	69.6#
182	0.0	1.8	2.6#





#57

Fluorene

Concen: Below Cal

RT: 10.35 min Scan# 1404

Delta R.T. -0.02 min

Lab File: BF096306.D

Acq: 29 Jun 2017 21:58

Instrument :

BNA_F

ClientSampled :

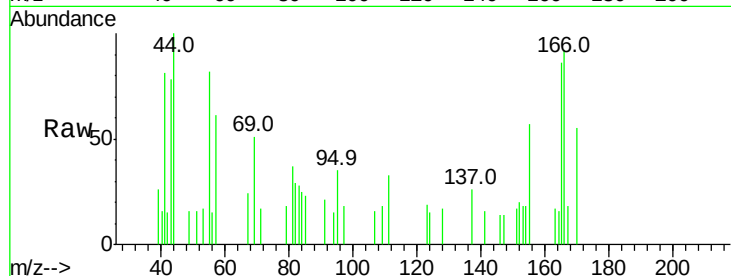
Tot Ion:166 Resp: 1605

Ion Ratio Lower Upper

166 100

165 93.0 78.8 118.2

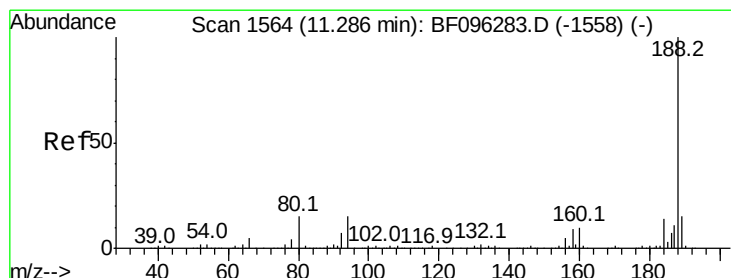
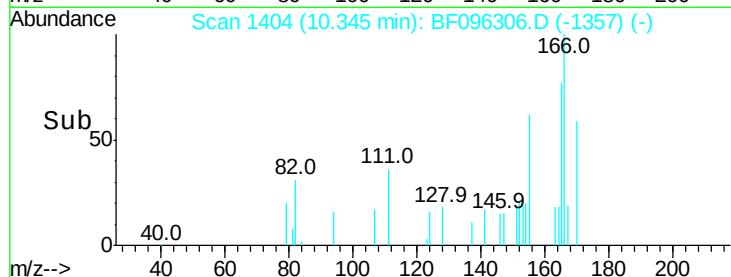
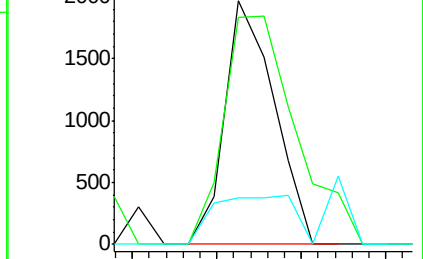
167 19.2 10.6 16.0#



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: 11.29 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BF096306.D

Acq: 29 Jun 2017 21:58

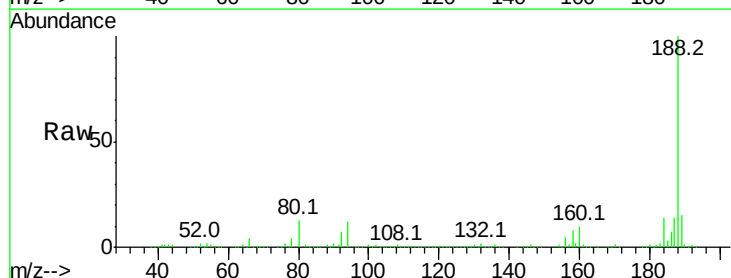
Tgt Ion:188 Resp: 352316

Ion Ratio Lower Upper

188 100

94 12.2 9.4 14.2

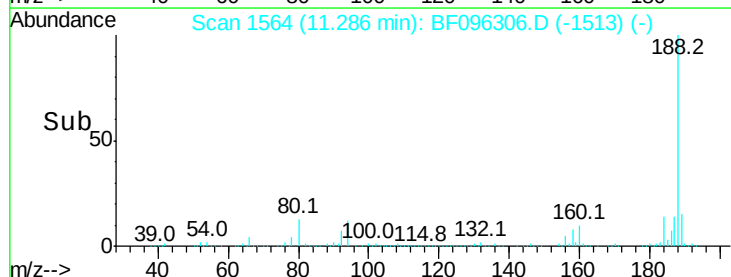
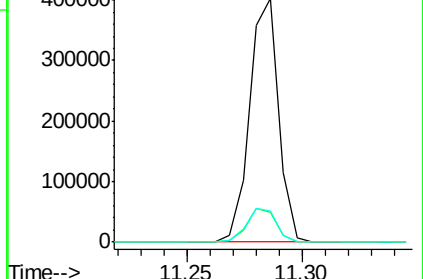
80 12.7 10.2 15.2

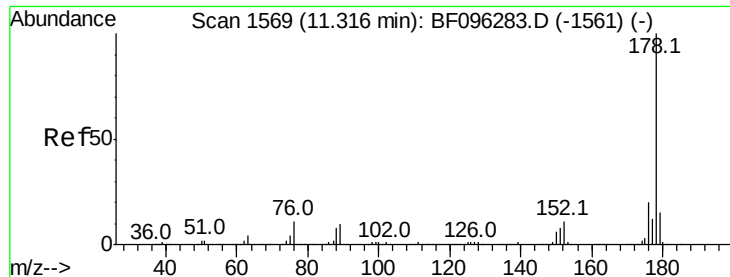


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

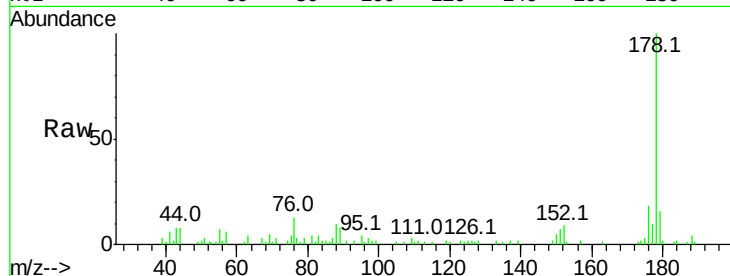




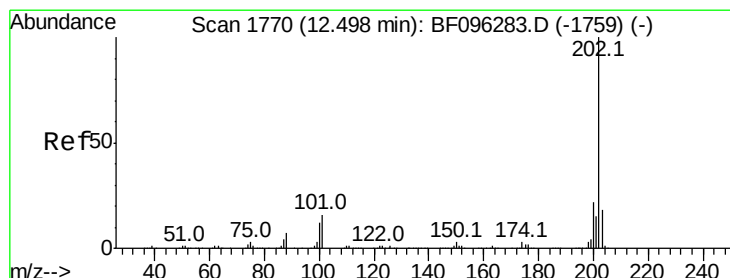
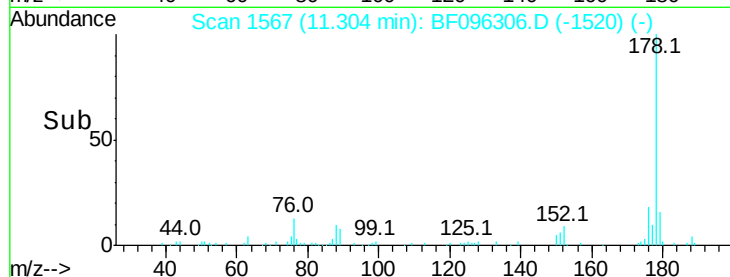
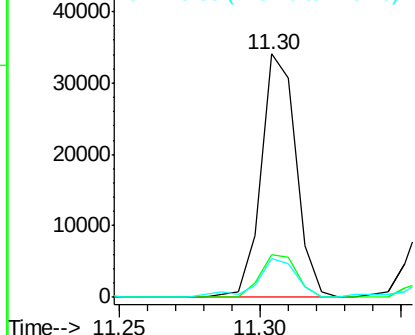
#70
Phenanthrene
Concen: Below Cal
RT: 11.30 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF096306.D
Acq: 29 Jun 2017 21:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 29093
Ion Ratio Lower Upper
178 100
176 17.6 16.2 24.4
179 16.0 12.6 19.0

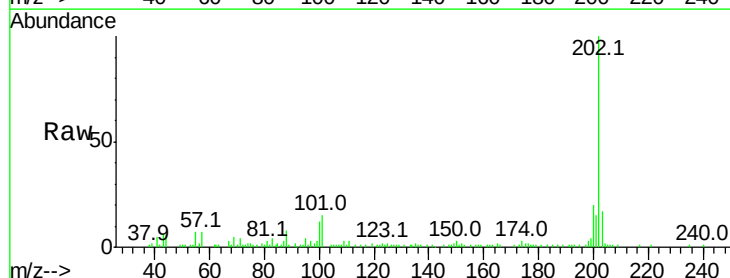


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

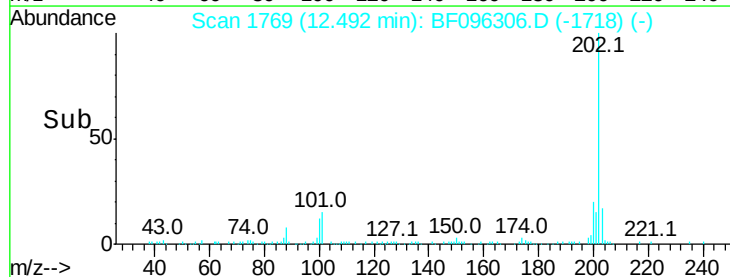
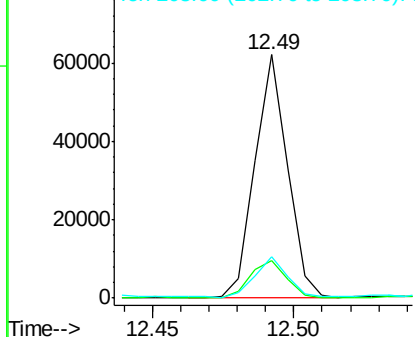


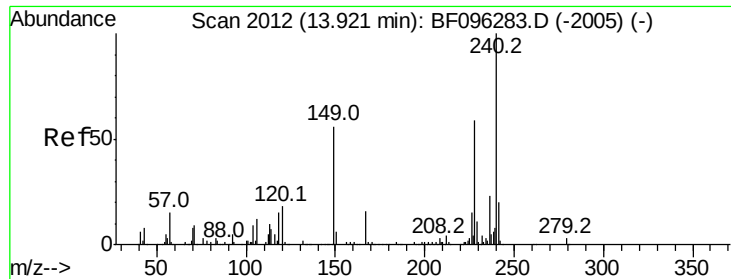
#74
Fluoranthene
Concen: 2.55 ng
RT: 12.49 min Scan# 1769
Delta R.T. -0.00 min
Lab File: BF096306.D
Acq: 29 Jun 2017 21:58

Tgt Ion:202 Resp: 49925
Ion Ratio Lower Upper
202 100
101 15.5 0.0 33.2
203 17.2 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BF096306.D

Acq: 29 Jun 2017 21:58

Instrument :

BNA_F

ClientSampled :

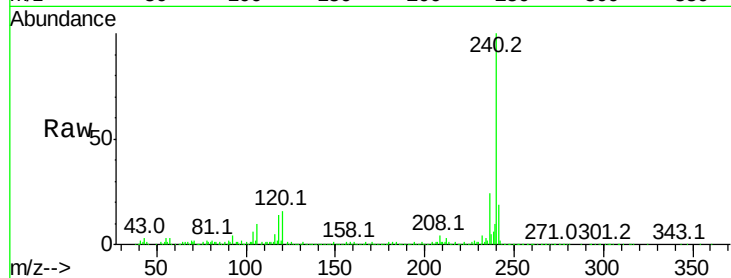
Tot Ion:240 Resp: 345292

Ion Ratio Lower Upper

240 100

120 16.2 5.8 8.8#

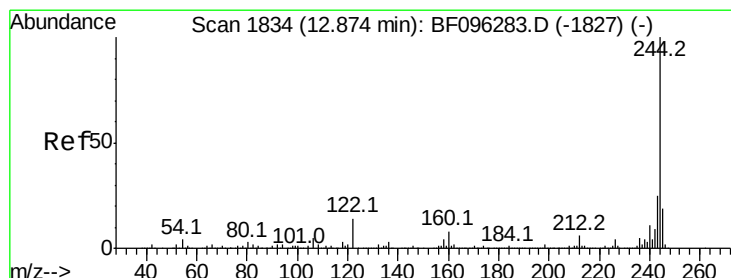
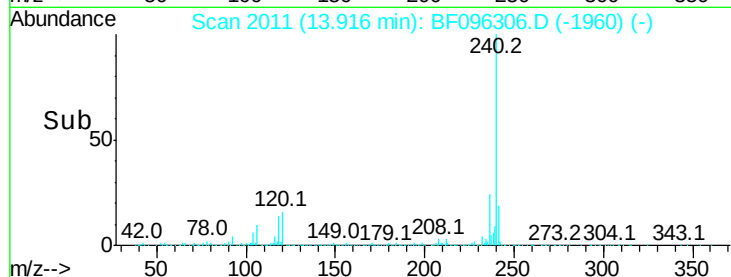
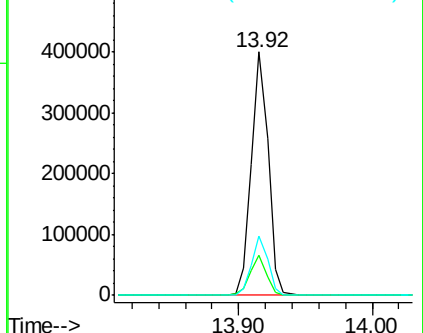
236 24.4 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 11.37 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BF096306.D

Acq: 29 Jun 2017 21:58

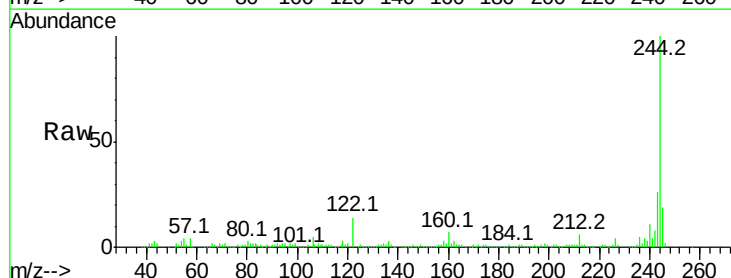
Tgt Ion:244 Resp: 157300

Ion Ratio Lower Upper

244 100

212 6.1 6.0 9.0

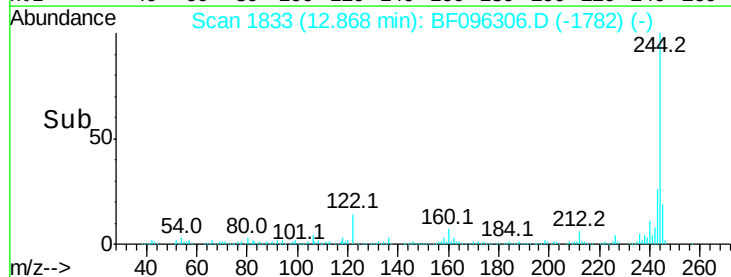
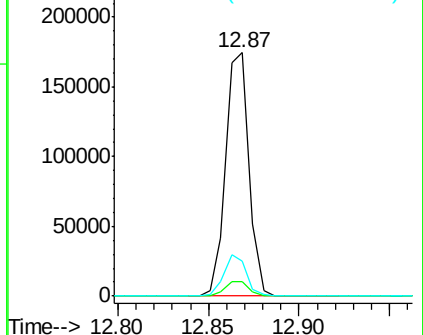
122 14.2 10.3 15.5

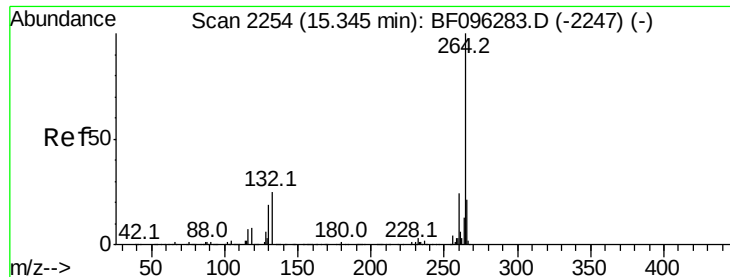


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

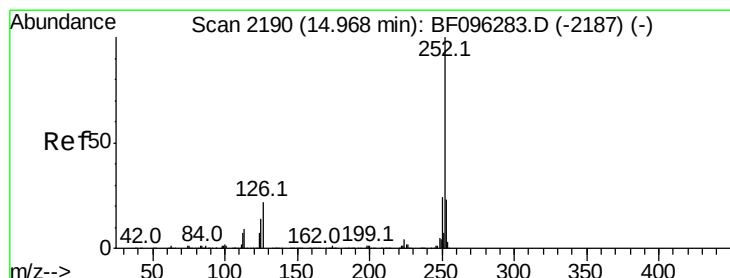
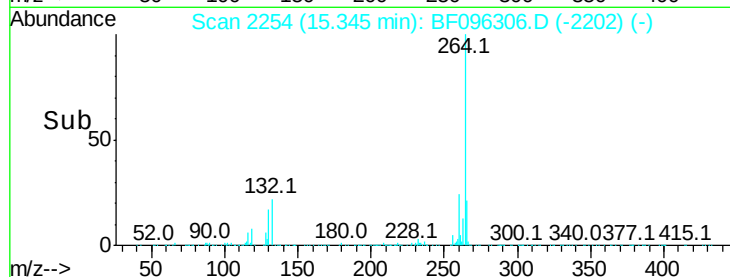
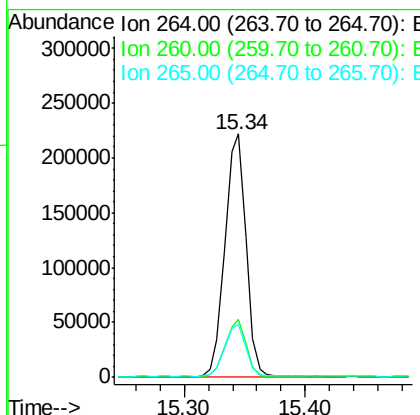
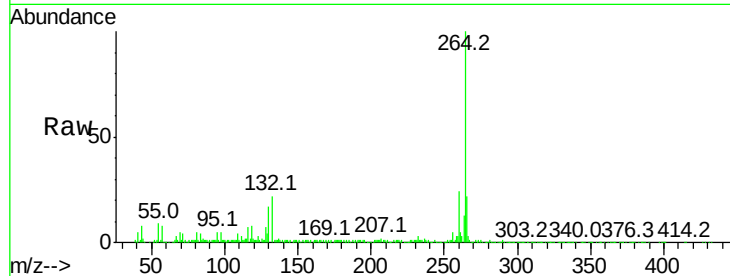




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.01 min
Lab File: BF096306.D
Acq: 29 Jun 2017 21:58

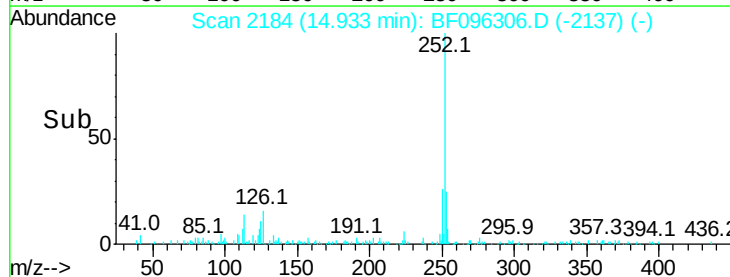
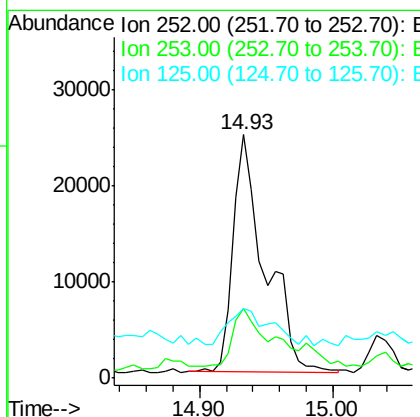
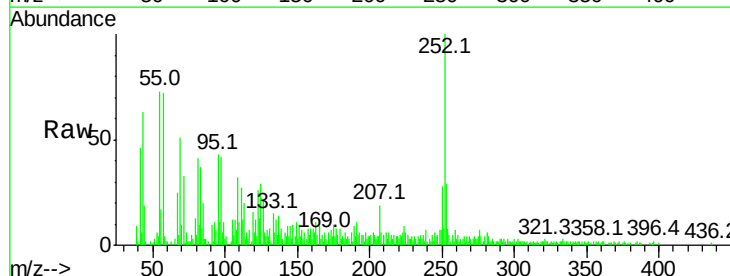
Instrument :
BNA_F
ClientSampleId :

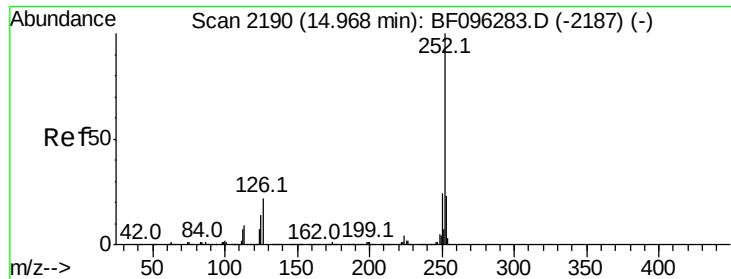
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	21.8	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 2.34 ng
RT: 14.93 min Scan# 2184
Delta R.T. -0.02 min
Lab File: BF096306.D
Acq: 29 Jun 2017 21:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.8	18.1	27.1#
125	28.5	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 2.57 ng

RT: 14.93 min Scan# 2184

Delta R.T. -0.02 min

Lab File: BF096306.D

Acq: 29 Jun 2017 21:58

Instrument :

BNA_F

ClientSampleId :

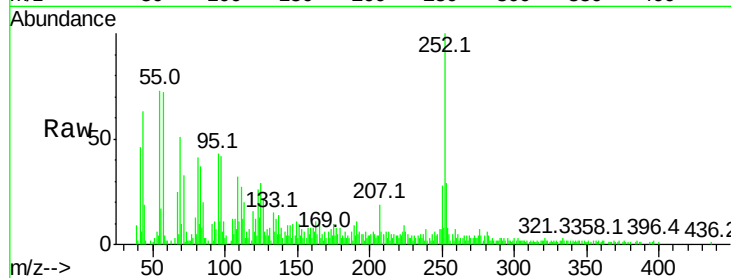
Tot Ion:252 Resp: 41349

Ion Ratio Lower Upper

252 100

253 28.8 18.4 27.6#

125 28.5 13.1 19.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

