

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
 Data File : BF096262.D
 Acq On : 28 Jun 2017 21:09
 Operator : SJ/MA
 Sample : I3852-15 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 29 01:37:40 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

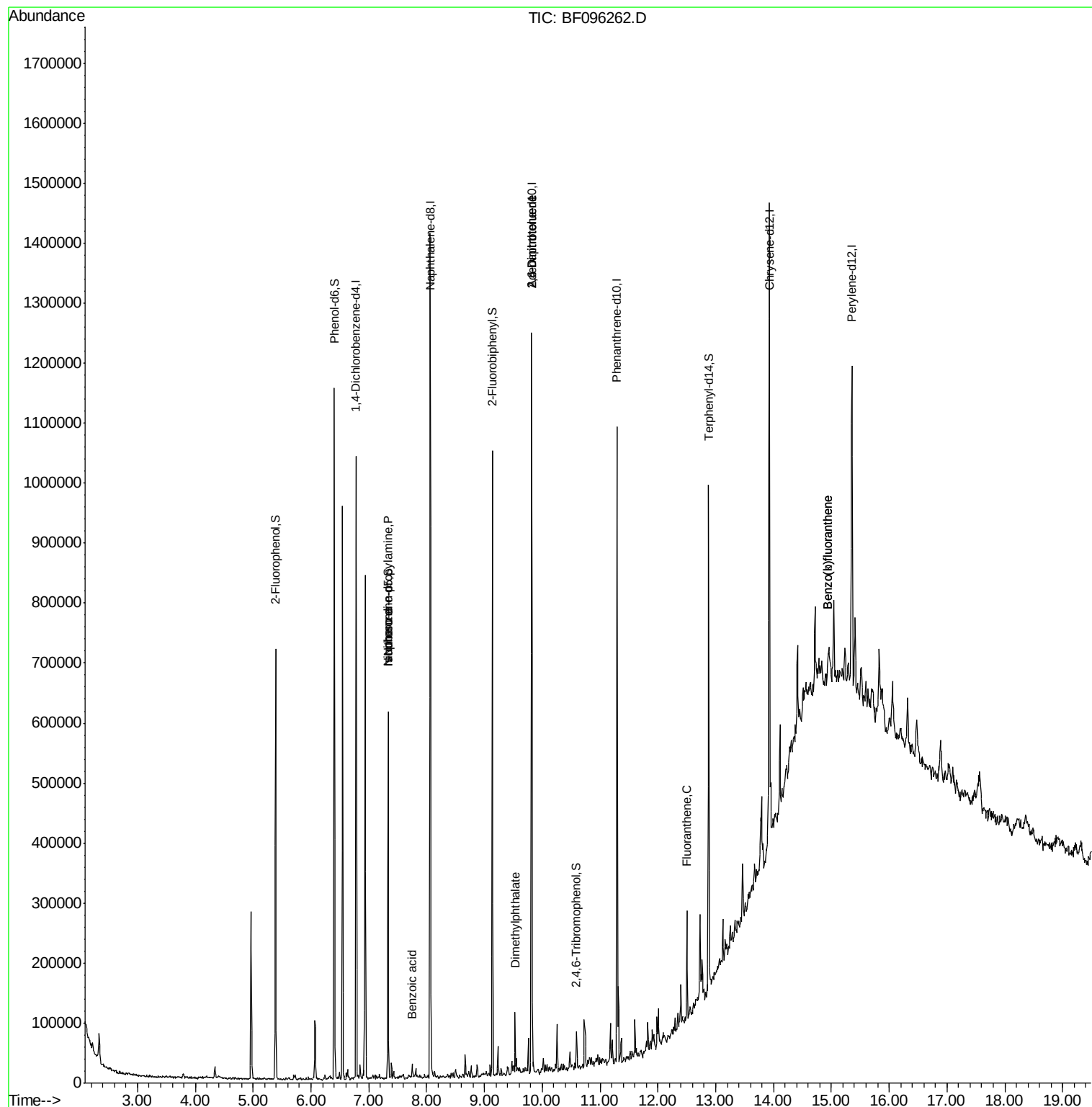
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	141916	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	552336	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	214650	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	354543	20.00	ng	0.00
75) Chrysene-d12	13.93	240	346743	20.00	ng	0.01
86) Perylene-d12	15.36	264	251528	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	171658	17.43	ng	0.00
7) Phenol-d6	6.40	99	309973	25.99	ng	0.01
23) Nitrobenzene-d5	7.33	82	163364	20.47	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	5533	3.28	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	287760	24.55	ng	-0.01
78) Terphenyl-d14	12.87	244	247327	17.80	ng	0.00
Target Compounds						
9) Benzaldehyde	6.32	77	509	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.33	70	20438	2.86	ng	# 86
25) Isophorone	7.33	82	163360	9.02	ng	# 67
32) Benzoic acid	7.75	122	4284	9.39	ng	# 83
49) Dimethylphthalate	9.53	163	31869	2.07	ng	# 100
50) 2,6-Dinitrotoluene	9.82	165	27060	8.47	ng	# 34
56) 2,4-Dinitrotoluene	9.82	165	27060	6.72	ng	# 33
57) Fluorene	10.36	166	2082	Below Cal	#	78
70) Phenanthrene	11.32	178	39056	Below Cal		97
74) Fluoranthene	12.50	202	61921	3.14	ng	# 95
87) Benzo(b)fluoranthene	14.94	252	35127	2.13	ng	# 56
88) Benzo(k)fluoranthene	14.94	252	35127	2.33	ng	# 58

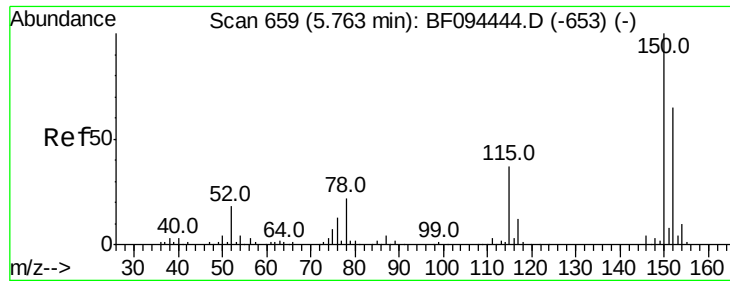
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
Data File : BF096262.D
Acq On : 28 Jun 2017 21:09
Operator : SJ/MA
Sample : I3852-15 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jun 29 01:37:40 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



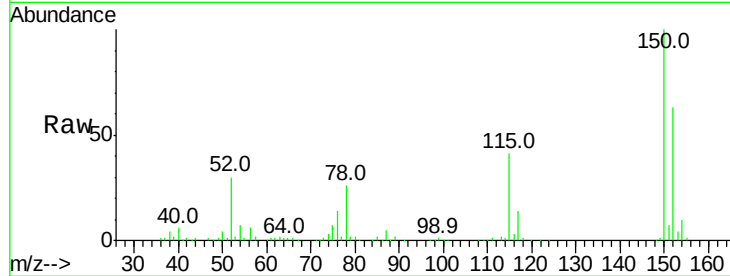


#1

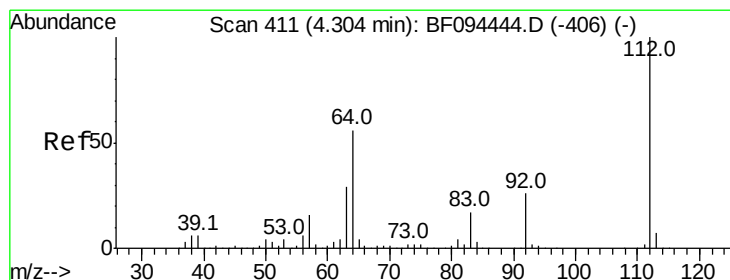
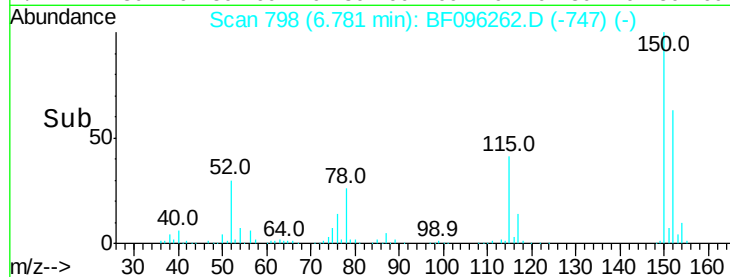
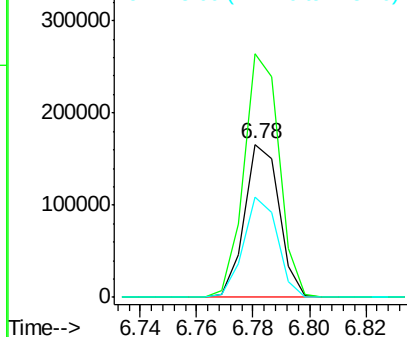
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF096262.D
Acq: 28 Jun 2017 21:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 141916
Ion Ratio Lower Upper
152 100
150 159.4 126.2 189.2
115 65.6 52.2 78.2



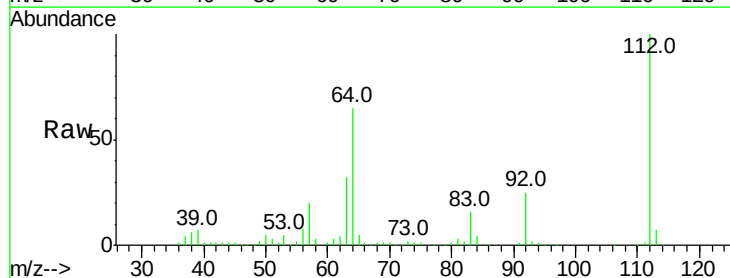
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



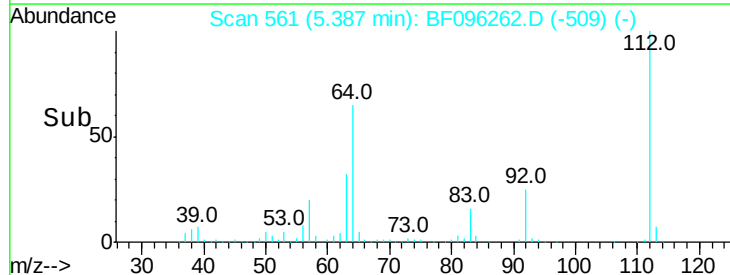
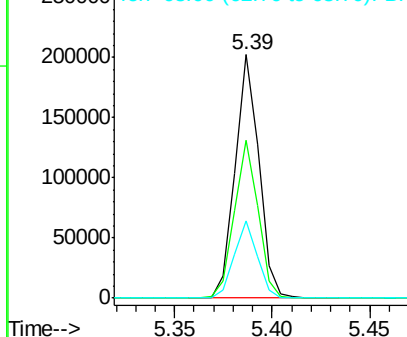
#5

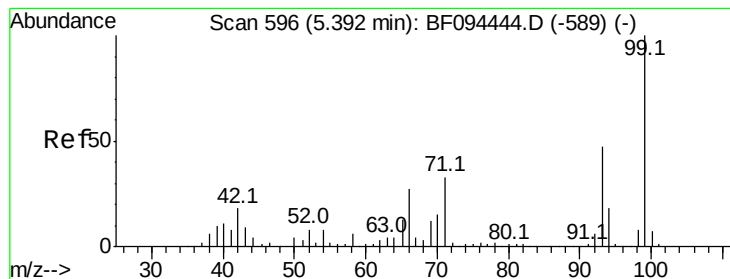
2-Fluorophenol
Concen: 17.43 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF096262.D
Acq: 28 Jun 2017 21:09

Tgt Ion:112 Resp: 171658
Ion Ratio Lower Upper
112 100
64 64.9 46.0 69.0
63 31.6 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: 25.99 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF096262.D

Acq: 28 Jun 2017 21:09

Instrument :

BNA_F

ClientSampled :

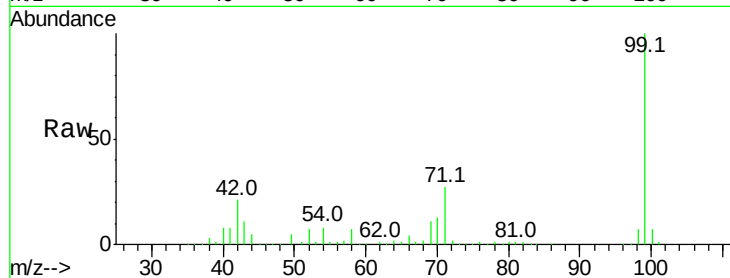
Tot Ion: 99 Resp: 309973

Ion Ratio Lower Upper

99 100

42 20.7 13.5 20.3#

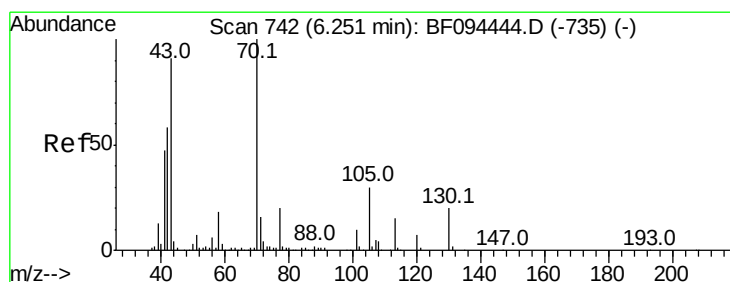
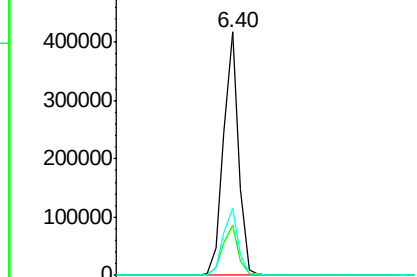
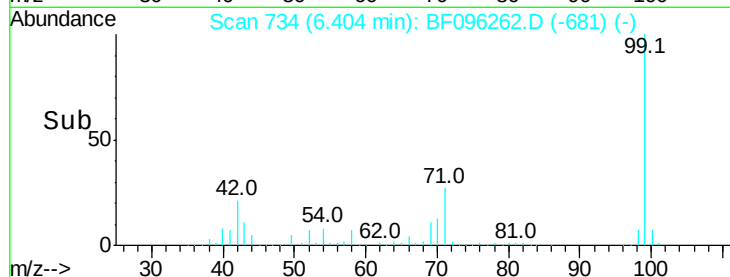
71 27.4 24.5 36.7



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: 2.86 ng

RT: 7.33 min Scan# 892

Delta R.T. 0.15 min

Lab File: BF096262.D

Acq: 28 Jun 2017 21:09

Tgt Ion: 70 Resp: 20438

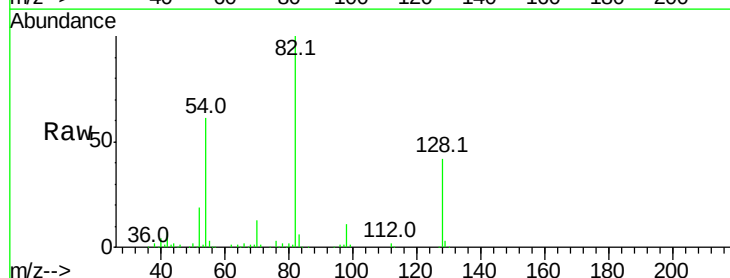
Ion Ratio Lower Upper

70 100

42 56.2 47.2 70.8

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

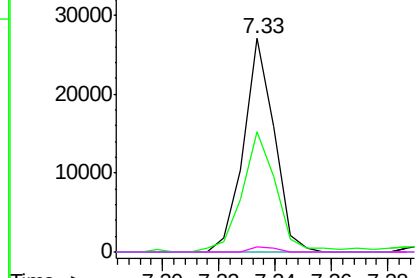
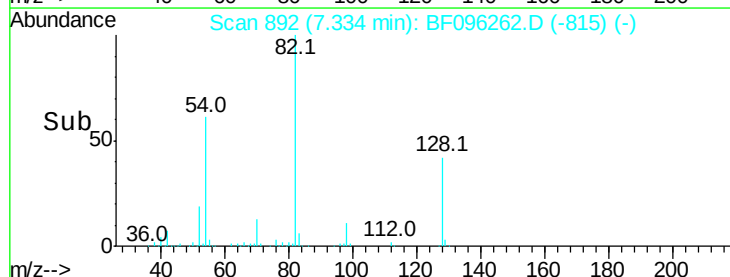


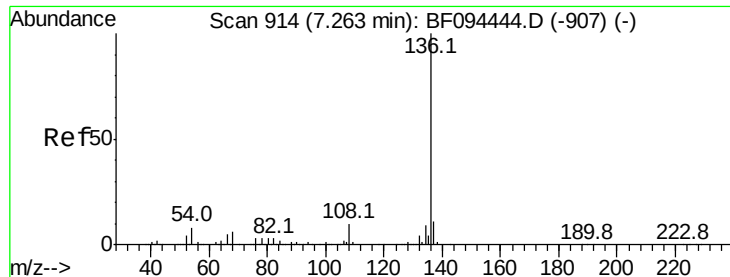
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF096262.D

Acq: 28 Jun 2017 21:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 552336

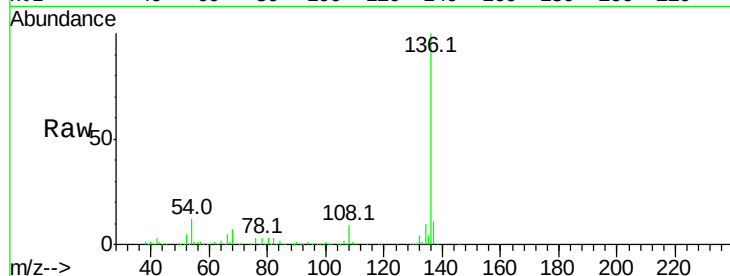
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 11.6 4.9 7.3#

68 7.0 4.1 6.1#

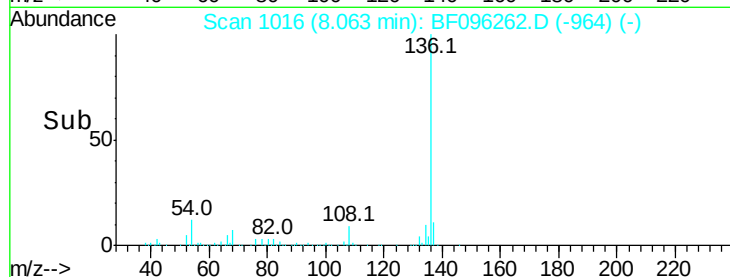


Abundance Ion 136.00 (135.70 to 136.70): E

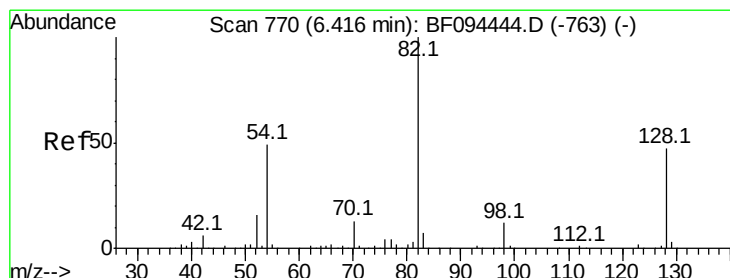
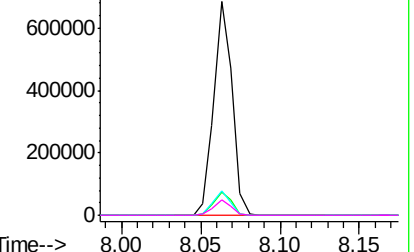
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 20.47 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.02 min

Lab File: BF096262.D

Acq: 28 Jun 2017 21:09

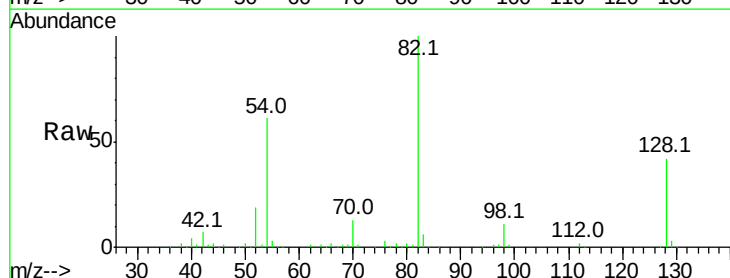
Tgt Ion: 82 Resp: 163364

Ion Ratio Lower Upper

82 100

128 42.2 34.0 51.0

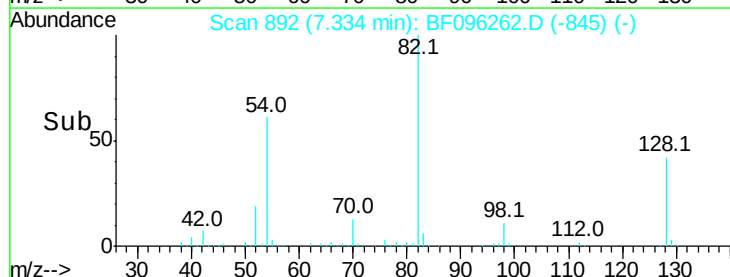
54 61.5 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

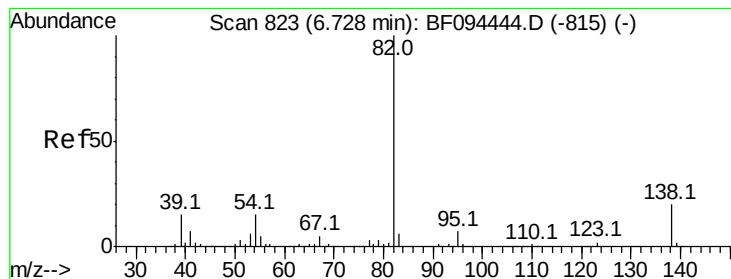
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 9.02 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.26 min

Lab File: BF096262.D

Acq: 28 Jun 2017 21:09

Instrument :

BNA_F

ClientSampleId :

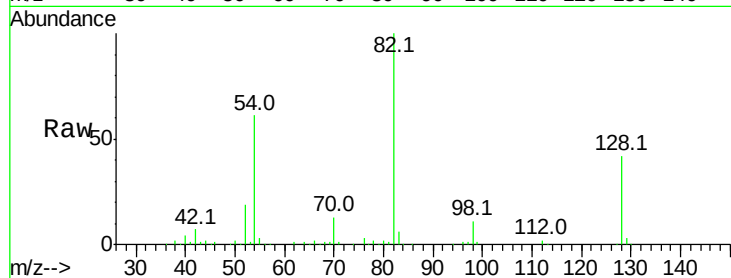
Tot Ion: 82 Resp: 163360

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

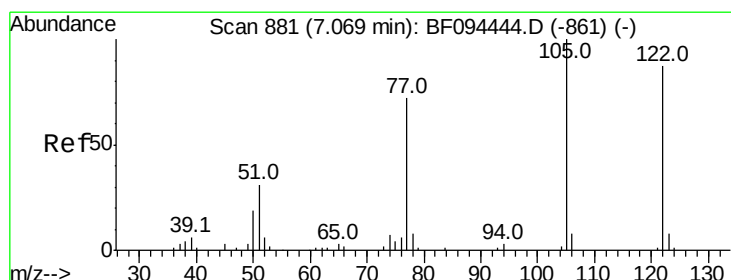
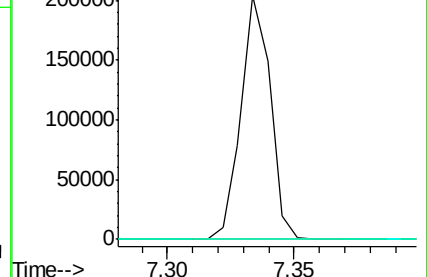
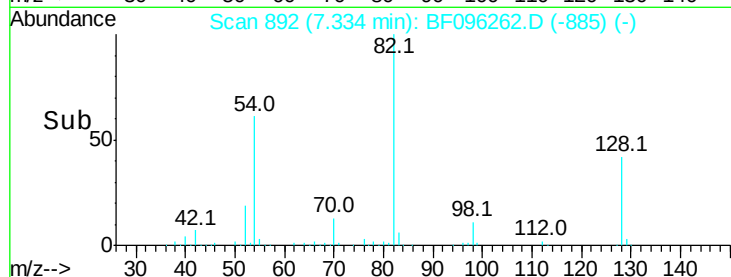
138 0.0 13.1 19.7#



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: 9.39 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.13 min

Lab File: BF096262.D

Acq: 28 Jun 2017 21:09

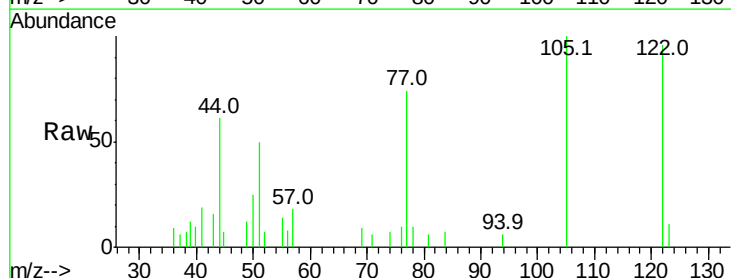
Tgt Ion:122 Resp: 4284

Ion Ratio Lower Upper

122 100

105 104.0 103.3 143.3

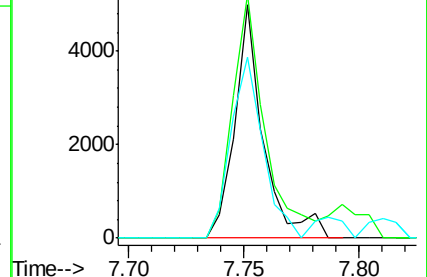
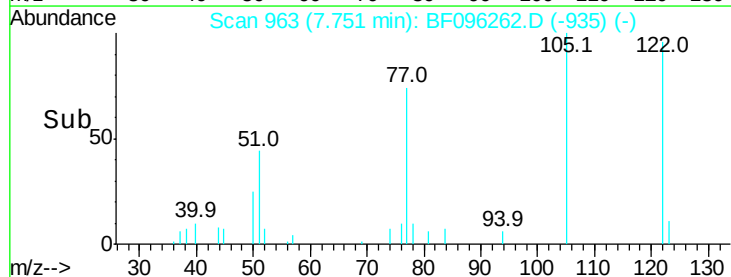
77 77.4 73.7 113.7

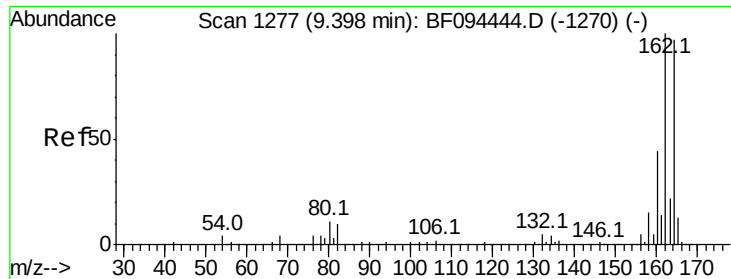


Abundance Ion 122.00 (121.70 to 122.70): E

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: BF096262.D

Acq: 28 Jun 2017 21:09

Instrument :

BNA_F

ClientSampleId :

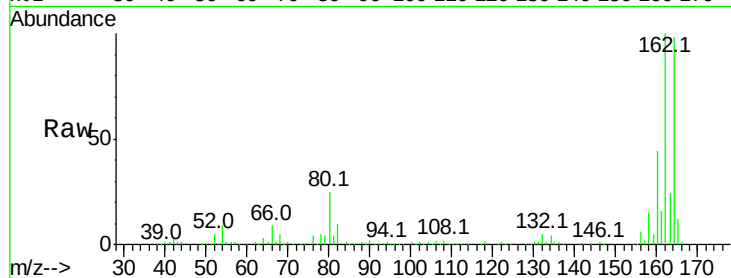
Tot Ion:164 Resp: 214650

Ion Ratio Lower Upper

164 100

162 101.8 82.6 123.8

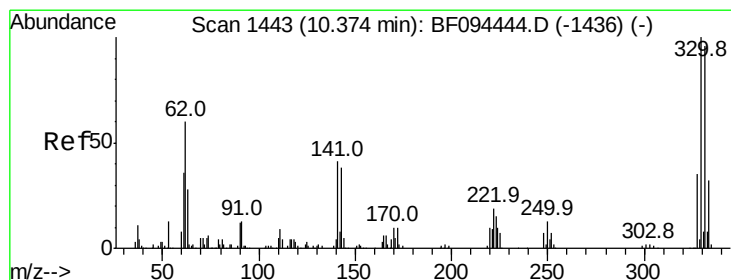
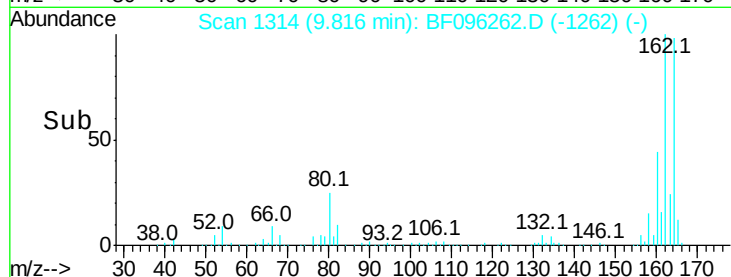
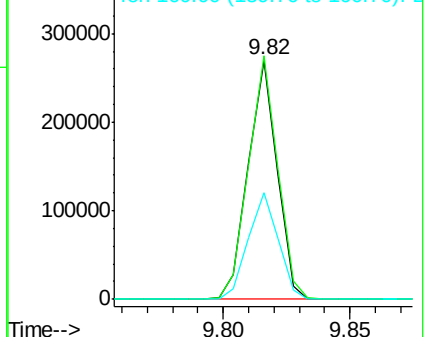
160 44.7 36.2 54.2



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: 3.28 ng

RT: 10.60 min Scan# 1447

Delta R.T. 0.01 min

Lab File: BF096262.D

Acq: 28 Jun 2017 21:09

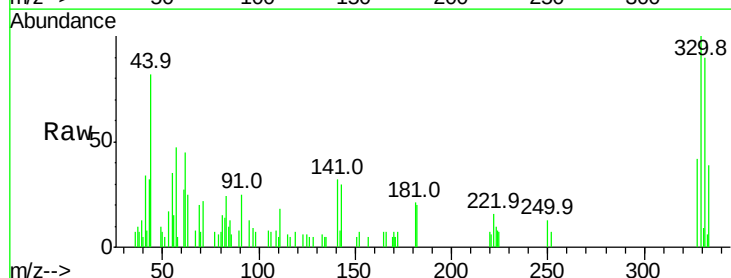
Tgt Ion:330 Resp: 5533

Ion Ratio Lower Upper

330 100

332 85.5 76.6 115.0

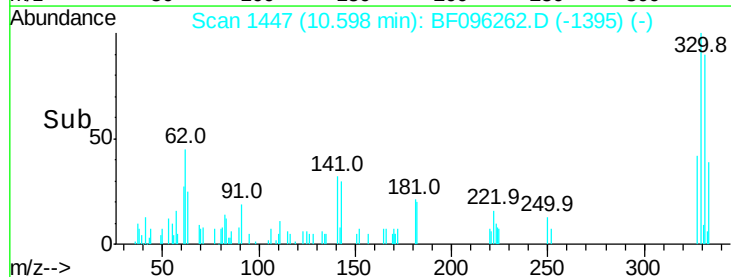
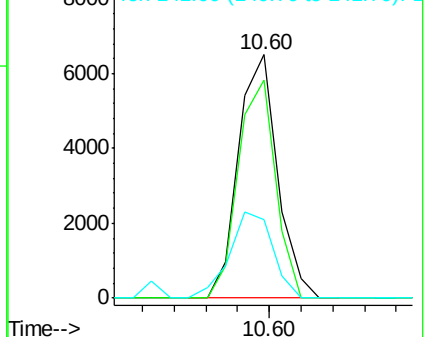
141 39.3 31.4 47.2

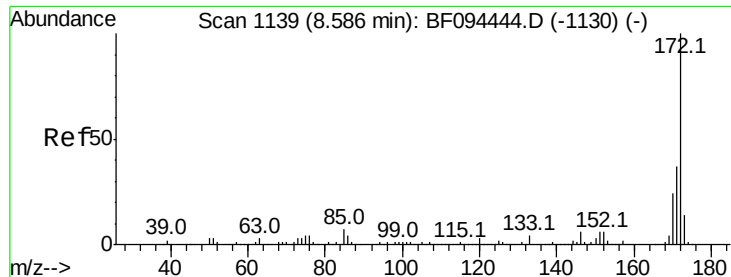


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

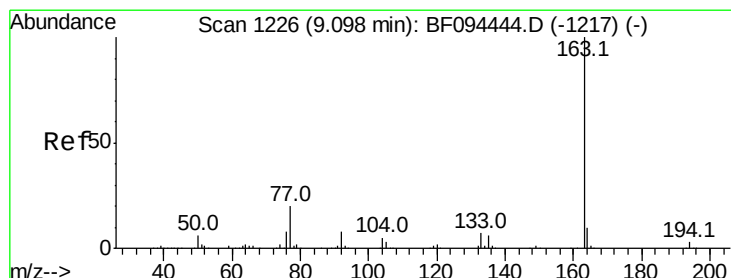
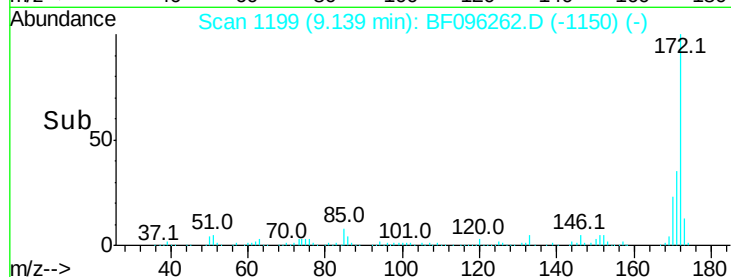
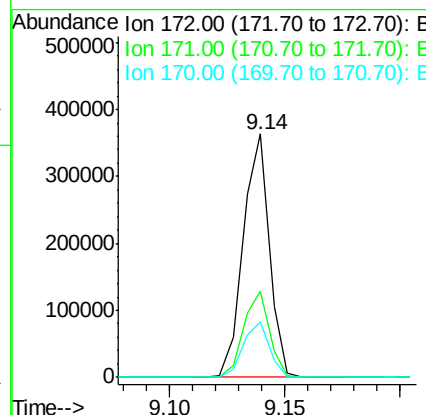
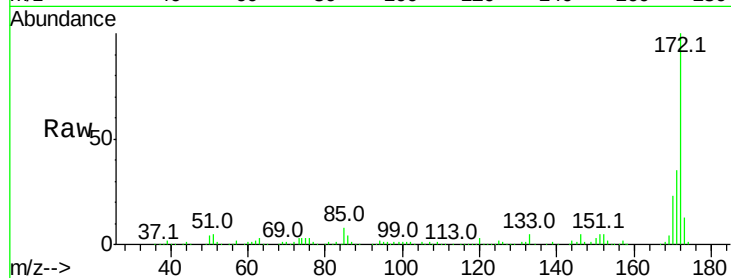




#44
 2-Fluorobiphenyl
 Concen: 24.55 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF096262.D
 Acq: 28 Jun 2017 21:09

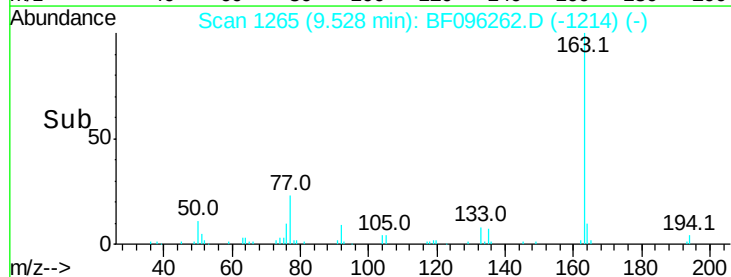
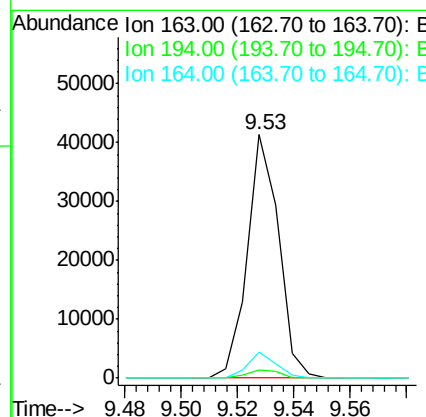
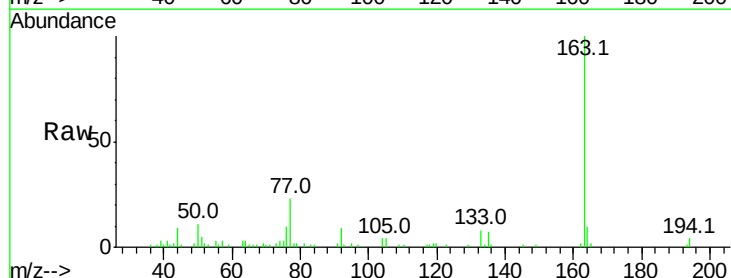
Instrument :
 BNA_F
 ClientSampleId :

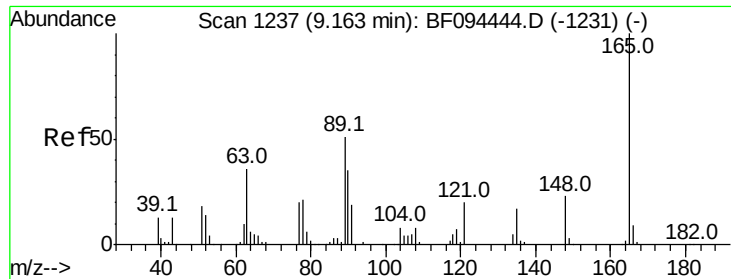
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	23.0	19.8	29.8



#49
 Dimethylphthalate
 Concen: 2.07 ng
 RT: 9.53 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: BF096262.D
 Acq: 28 Jun 2017 21:09

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	10.5	8.4	12.6

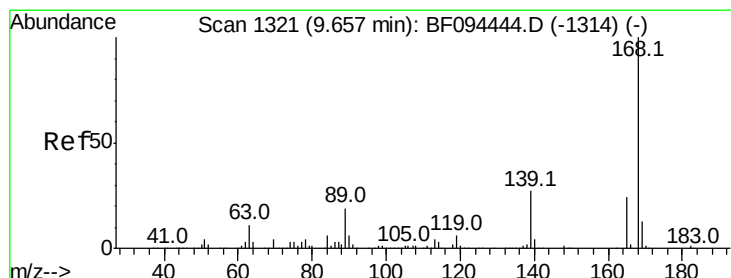
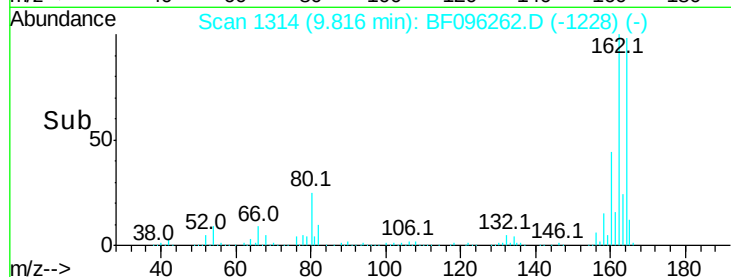
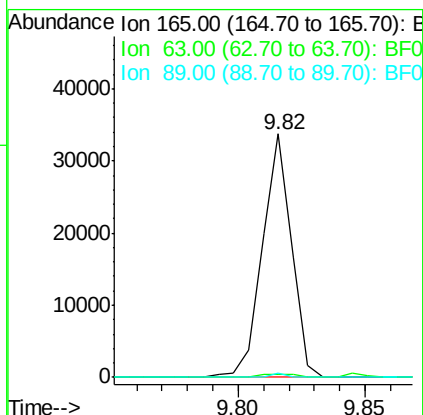
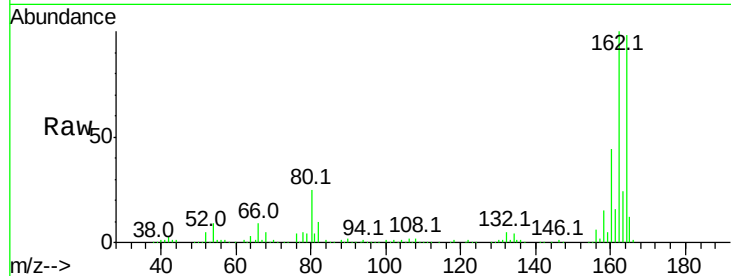




#50
 2,6-Dinitrotoluene
 Concen: 8.47 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.21 min
 Lab File: BF096262.D
 Acq: 28 Jun 2017 21:09

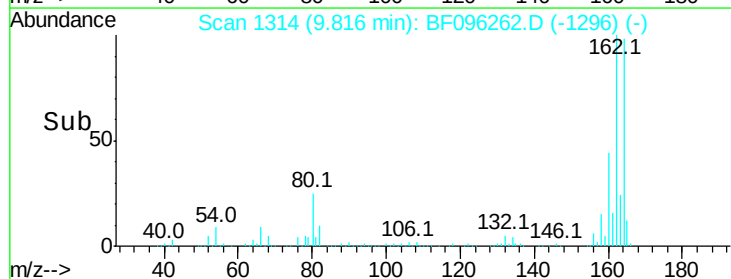
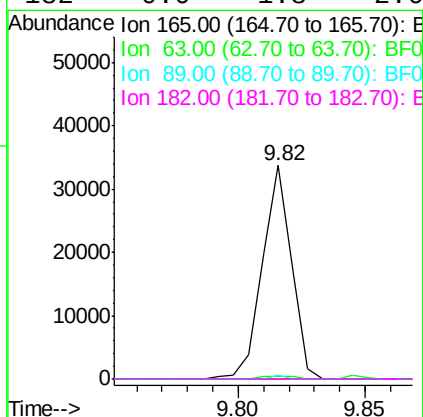
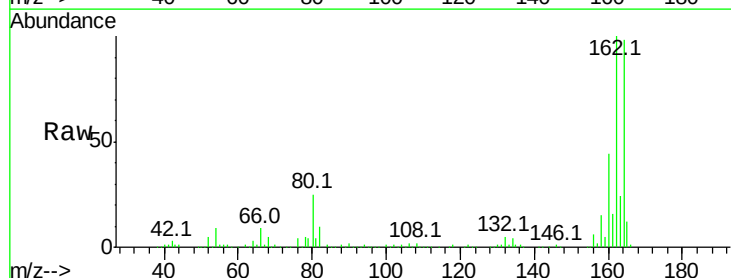
Instrument :
 BNA_F
 ClientSampleId :

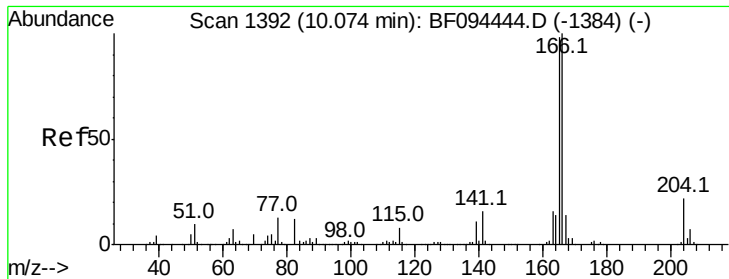
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	34.3	51.5#
89	1.5	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 6.72 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.19 min
 Lab File: BF096262.D
 Acq: 28 Jun 2017 21:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	25.4	38.0#
89	1.5	46.4	69.6#
182	0.0	1.8	2.6#





#57

Fluorene

Concen: Below Cal

RT: 10.36 min Scan# 1407

Delta R.T. -0.01 min

Lab File: BF096262.D

Acq: 28 Jun 2017 21:09

Instrument :

BNA_F

ClientSampleId :

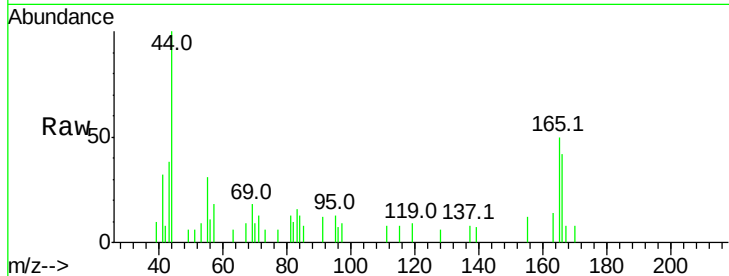
Tot Ion:166 Resp: 2082

Ion Ratio Lower Upper

166 100

165 121.4 78.8 118.2#

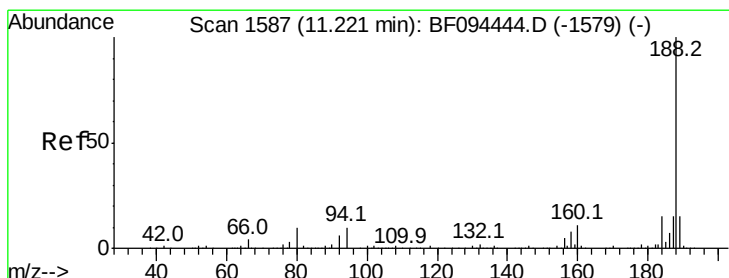
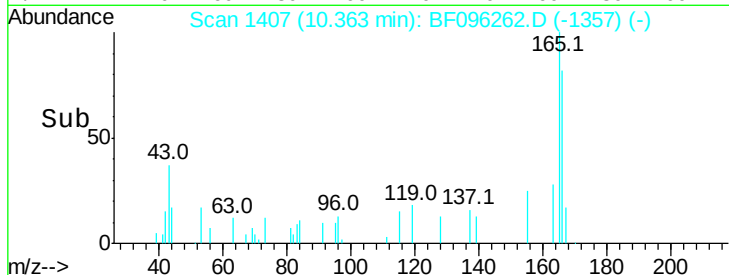
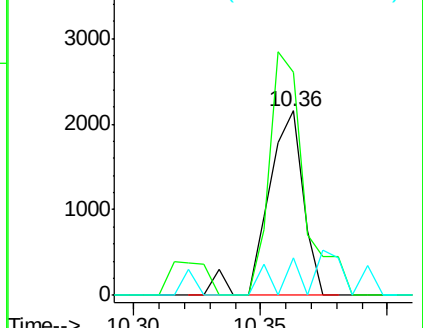
167 20.3 10.6 16.0#



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: 11.29 min Scan# 1565

Delta R.T. 0.01 min

Lab File: BF096262.D

Acq: 28 Jun 2017 21:09

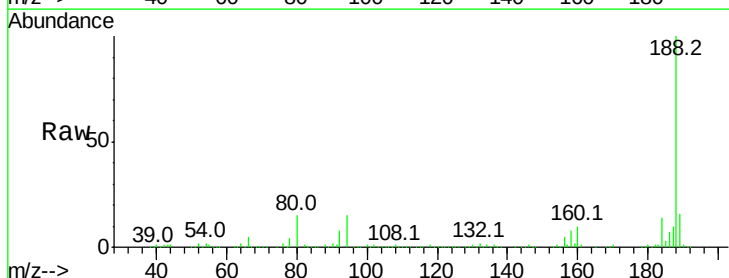
Tgt Ion:188 Resp: 354543

Ion Ratio Lower Upper

188 100

94 15.1 9.4 14.2#

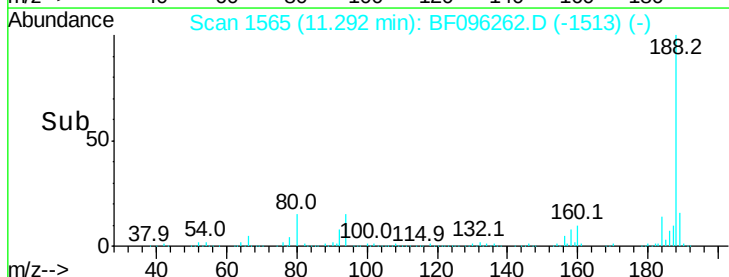
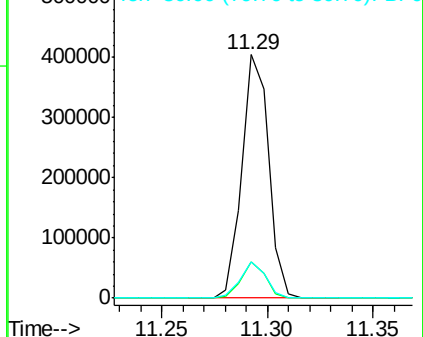
80 15.0 10.2 15.2

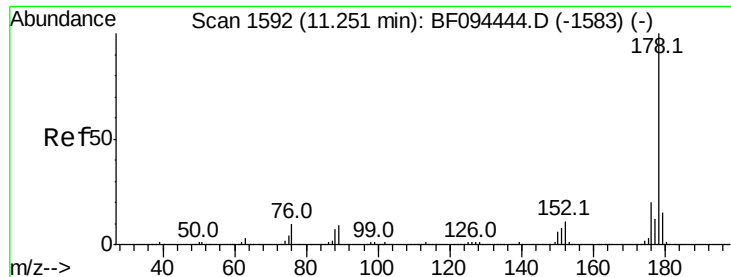


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: Below Cal

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF096262.D

Acq: 28 Jun 2017 21:09

Instrument :

BNA_F

ClientSampleId :

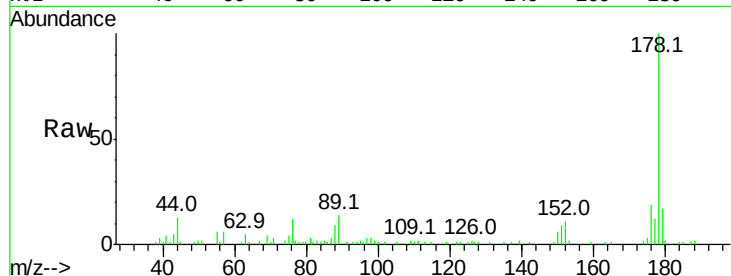
Tot Ion:178 Resp: 39056

Ion Ratio Lower Upper

178 100

176 18.8 16.2 24.4

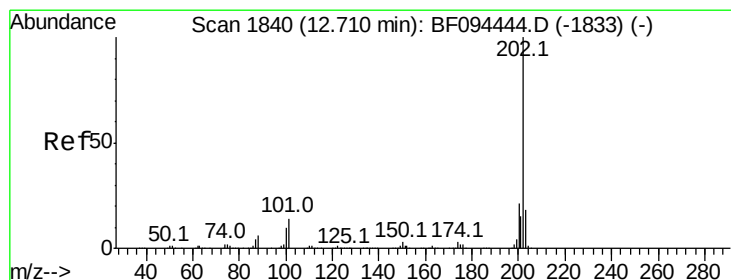
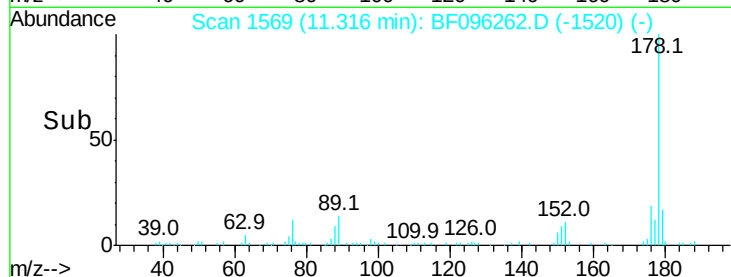
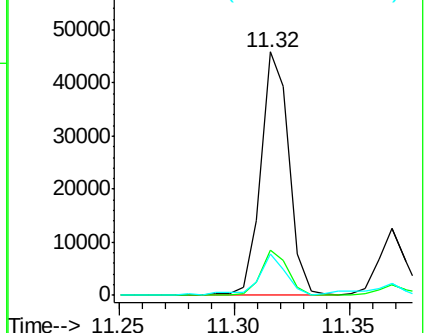
179 16.9 12.6 19.0



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



#74

Fluoranthene

Concen: 3.14 ng

RT: 12.50 min Scan# 1771

Delta R.T. 0.01 min

Lab File: BF096262.D

Acq: 28 Jun 2017 21:09

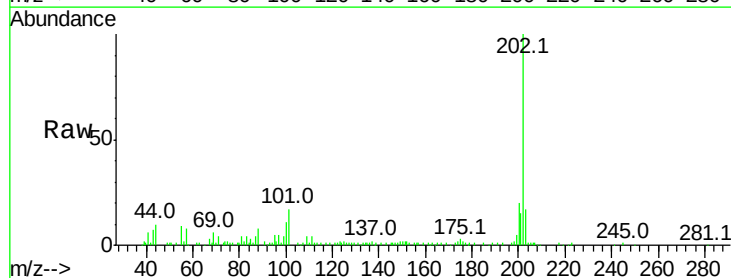
Tgt Ion:202 Resp: 61921

Ion Ratio Lower Upper

202 100

101 16.7 0.0 33.2

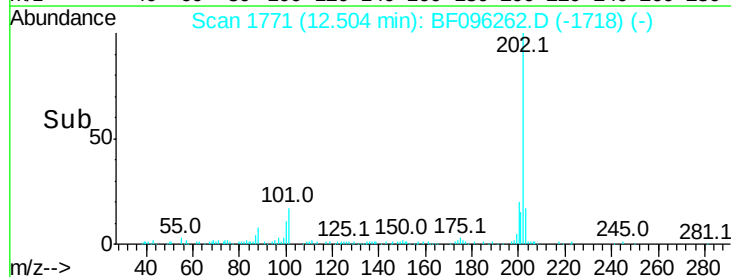
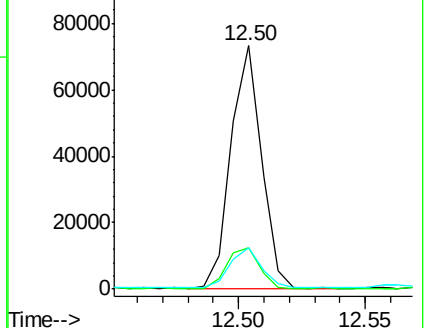
203 17.0 0.0 38.1

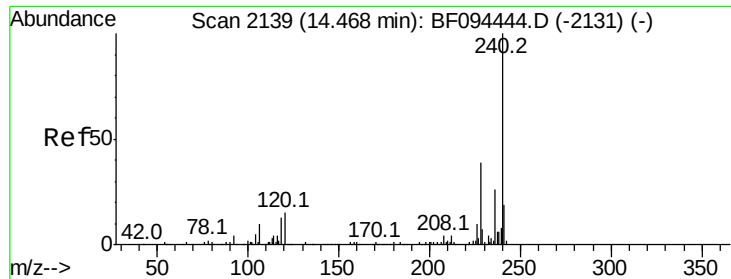


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.93 min Scan# 2013

Delta R.T. 0.01 min

Lab File: BF096262.D

Acq: 28 Jun 2017 21:09

Instrument :

BNA_F

ClientSampled :

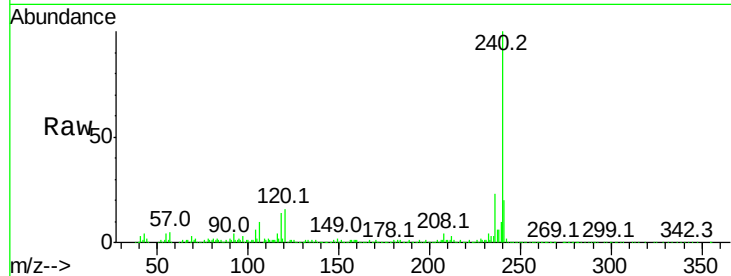
Tot Ion:240 Resp: 346743

Ion Ratio Lower Upper

240 100

120 16.1 5.8 8.8#

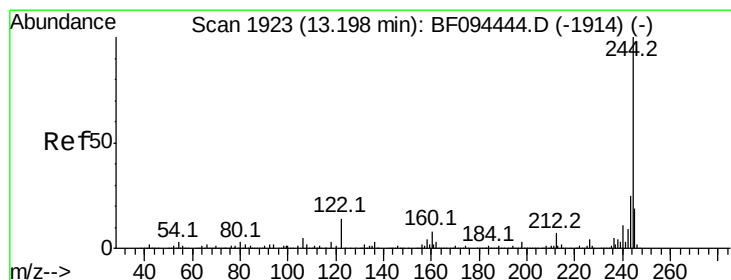
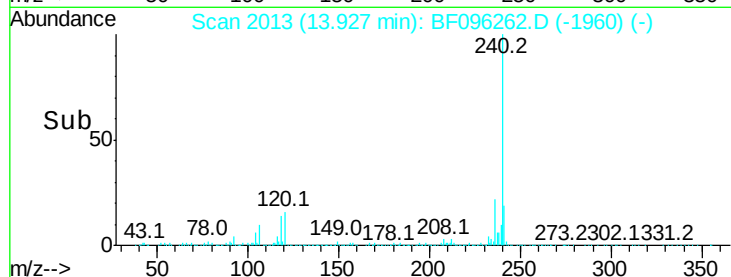
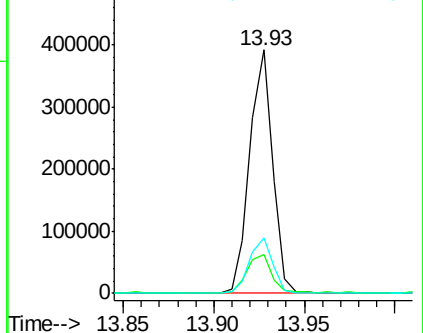
236 22.7 20.5 30.7



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: 17.80 ng

RT: 12.87 min Scan# 1834

Delta R.T. 0.01 min

Lab File: BF096262.D

Acq: 28 Jun 2017 21:09

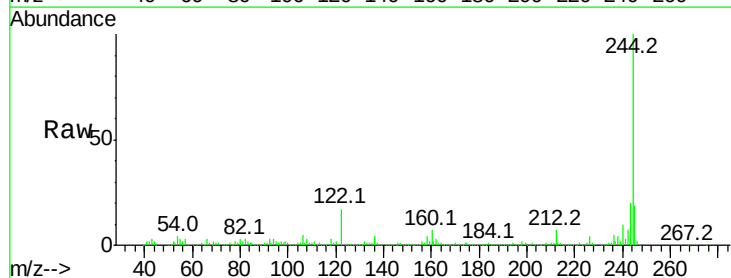
Tgt Ion:244 Resp: 247327

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

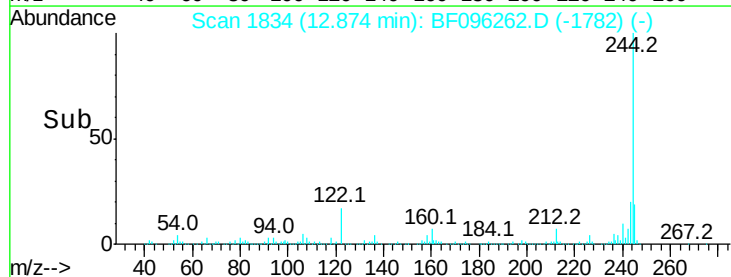
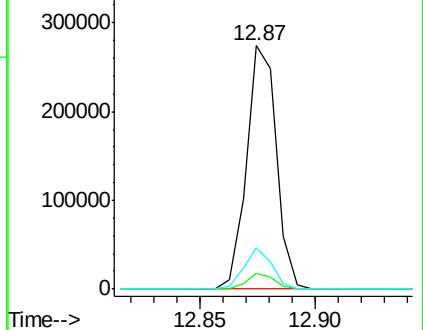
122 17.1 10.3 15.5#

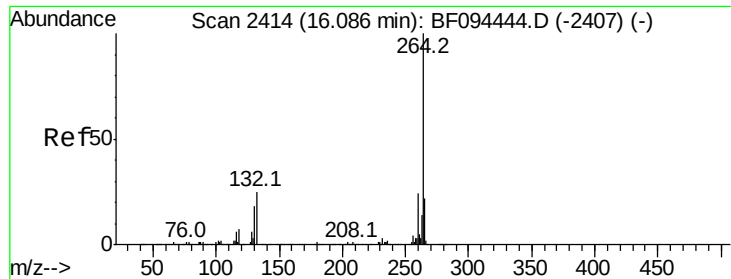


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

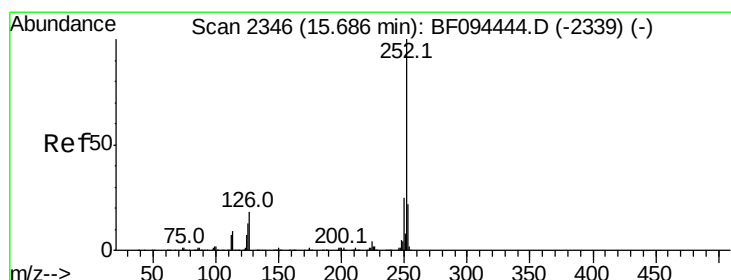
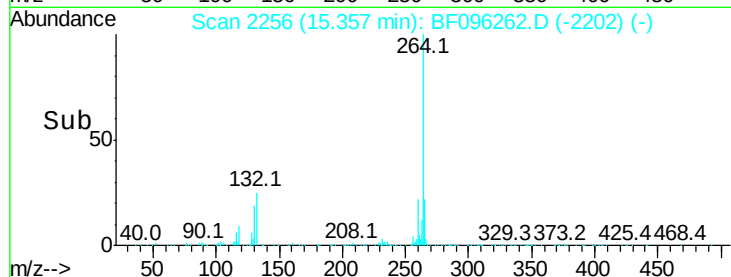
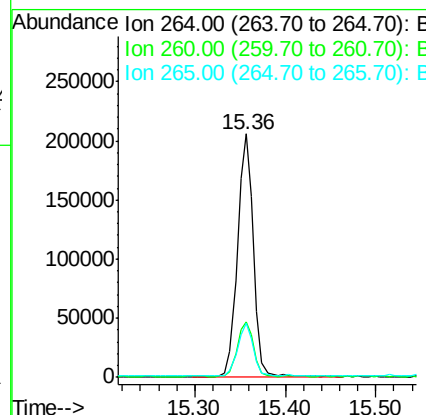
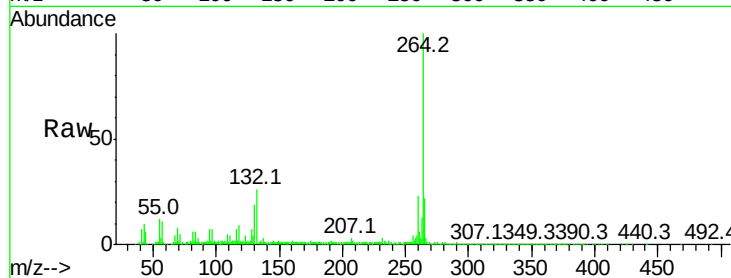




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 2256
Delta R.T. 0.02 min
Lab File: BF096262.D
Acq: 28 Jun 2017 21:09

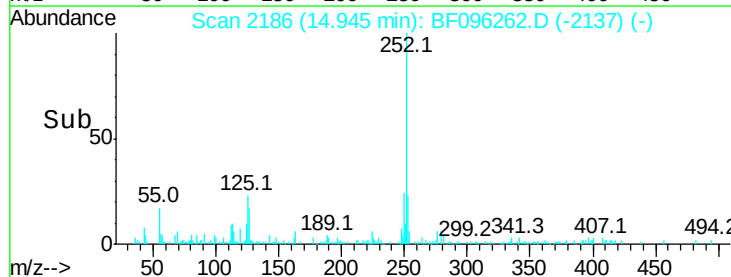
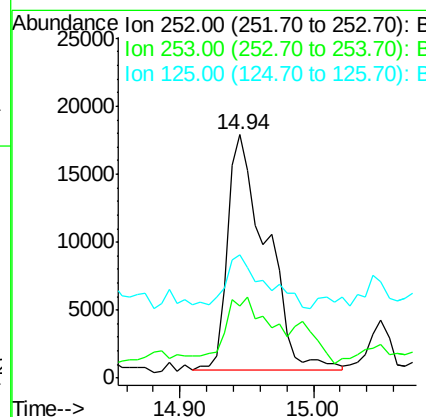
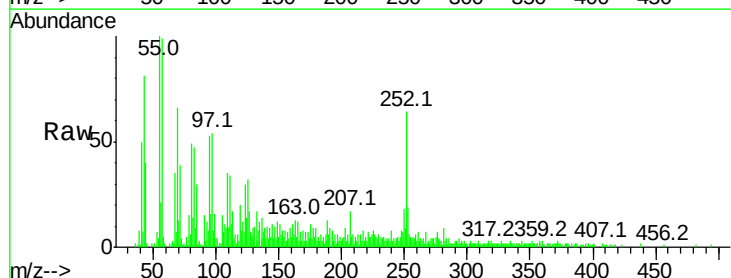
Instrument :
BNA_F
ClientSampleId :

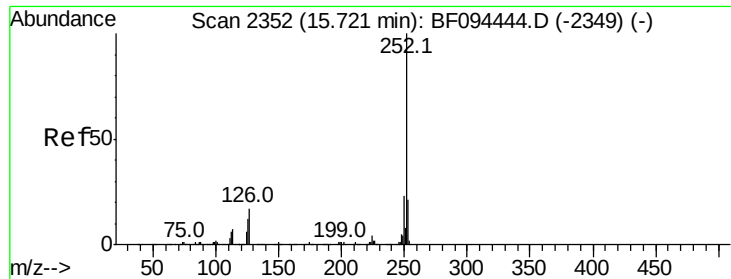
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.5	29.3
265	22.4	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 2.13 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF096262.D
Acq: 28 Jun 2017 21:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.7	18.1	27.1#
125	50.8	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 2.33 ng

RT: 14.94 min Scan# 2186

Delta R.T. -0.01 min

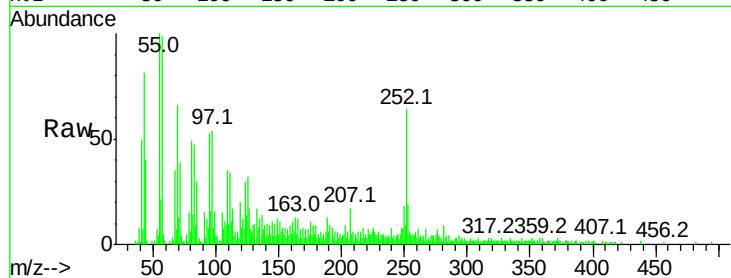
Lab File: BF096262.D

Acq: 28 Jun 2017 21:09

Instrument :

BNA_F

ClientSampleId :



Tot Ion:	252	Resp:	35127
Ion	Ratio	Lower	Upper
252	100		
253	29.7	18.4	27.6#
125	50.8	13.1	19.7#

