

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
 Data File : BF096017.D
 Acq On : 19 Jun 2017 21:07
 Operator : SJ/MA
 Sample : I3745-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 20 01:08:36 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 17:12:03 2017
 Response via : Initial Calibration

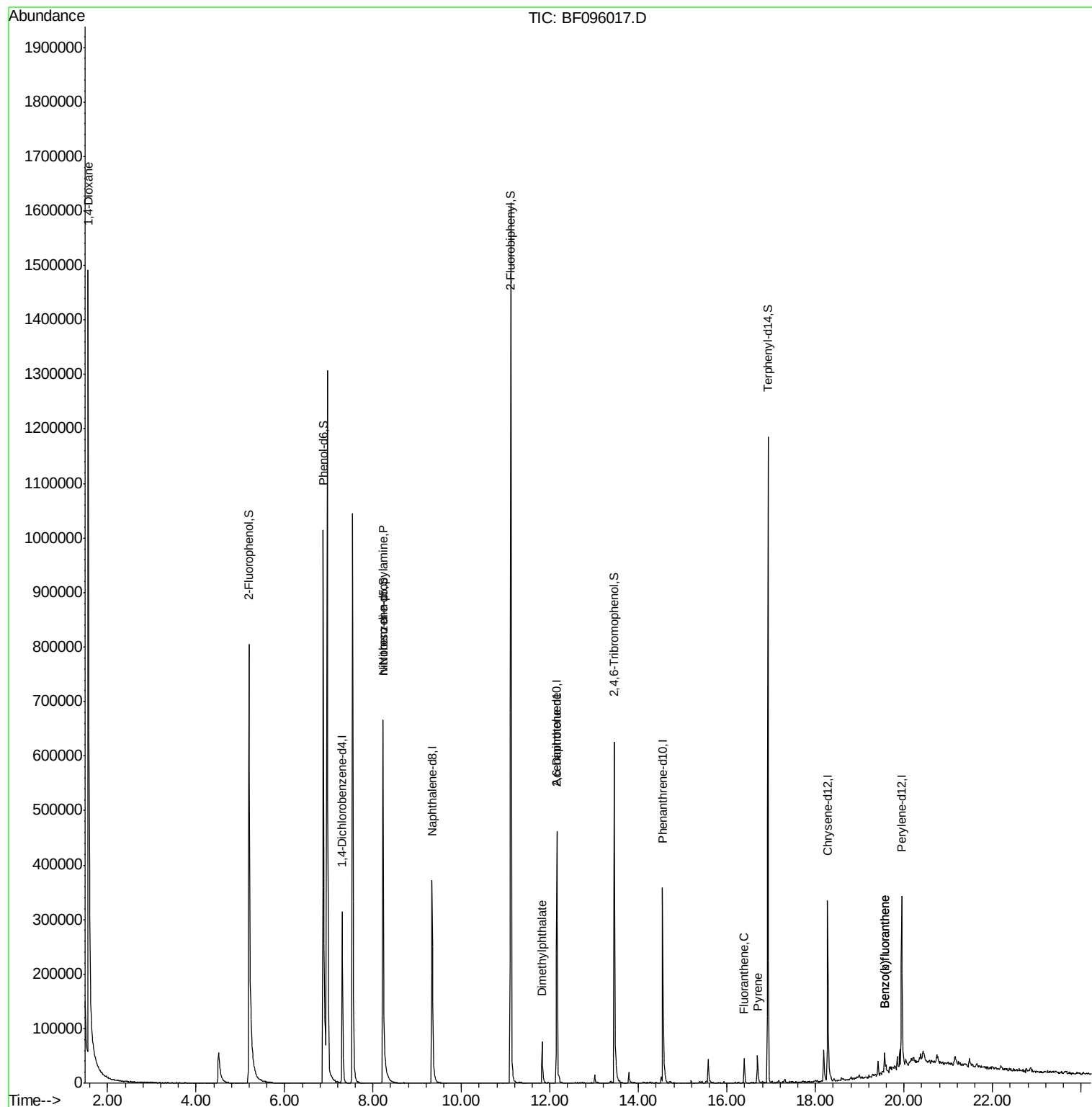
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.30	152	82115	20.00	ng	-0.02
21) Naphthalene-d8	9.34	136	336050	20.00	ng	-0.02
38) Acenaphthene-d10	12.15	164	142555	20.00	ng	-0.03
63) Phenanthrene-d10	14.54	188	226565	20.00	ng	-0.02
75) Chrysene-d12	18.27	240	150064	20.00	ng	-0.02
86) Perylene-d12	19.94	264	145737	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	573720	111.33	ng	-0.02
7) Phenol-d6	6.87	99	679697	110.17	ng	-0.04
23) Nitrobenzene-d5	8.23	82	398902	73.72	ng	-0.02
41) 2,4,6-Tribromophenol	13.45	330	120361	95.43	ng	-0.03
44) 2-Fluorobiphenyl	11.12	172	753113	73.52	ng	-0.02
78) Terphenyl-d14	16.93	244	453571	75.01	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	1.56	88	67242	27.43	ng	# 21
19) n-Nitroso-di-n-propylamine	8.23	70	47650	12.19	ng	# 77
49) Dimethylphthalate	11.82	163	64039	5.92	ng	98
50) 2,6-Dinitrotoluene	12.16	165	18473	7.82	ng	# 31
74) Fluoranthene	16.39	202	30440	2.35	ng	96
77) Pyrene	16.69	202	28095	2.51	ng	# 92
87) Benzo(b)fluoranthene	19.56	252	23116	2.53	ng	# 92
88) Benzo(k)fluoranthene	19.56	252	23116	2.65	ng	97

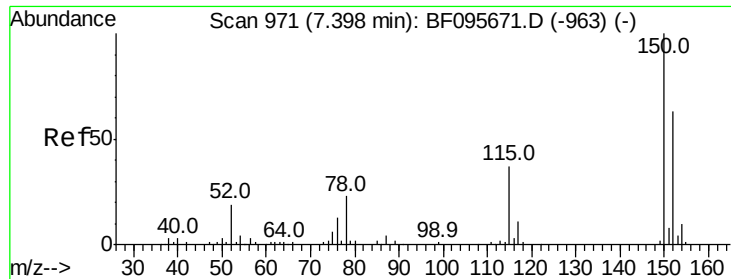
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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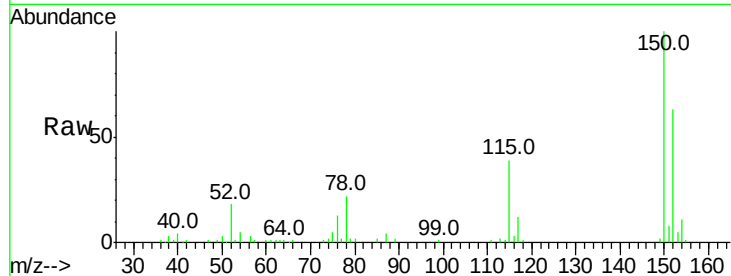


#1

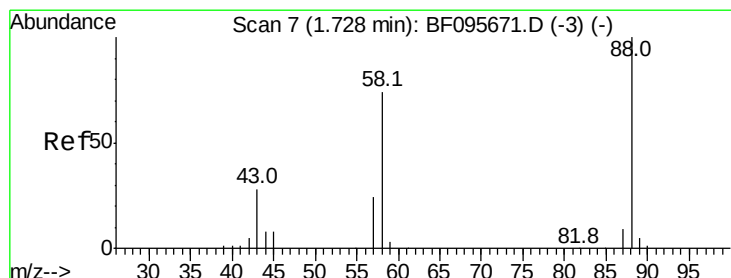
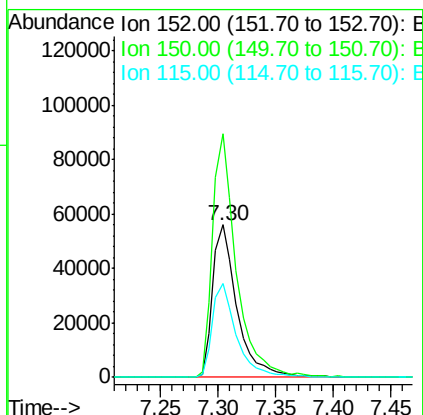
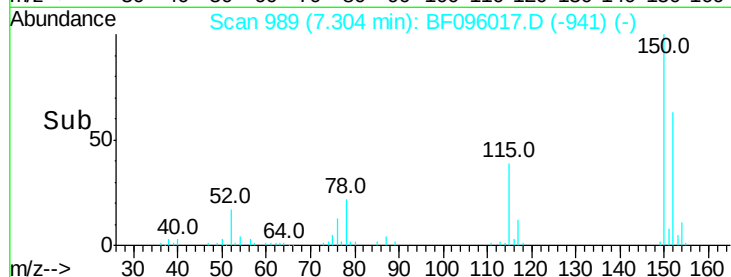
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.30 min Scan# 989
Delta R.T. -0.02 min
Lab File: BF096017.D
Acq: 19 Jun 2017 21:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 82115
Ion Ratio Lower Upper
152 100
150 159.7 126.2 189.2
115 61.5 52.2 78.2



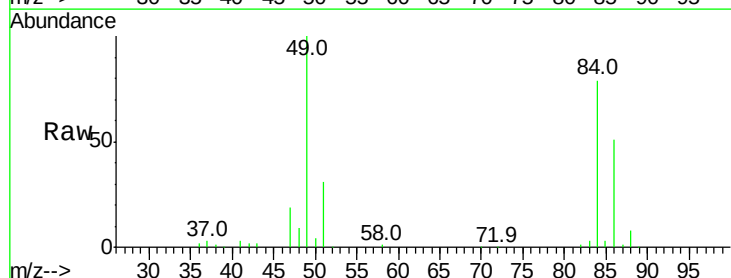
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



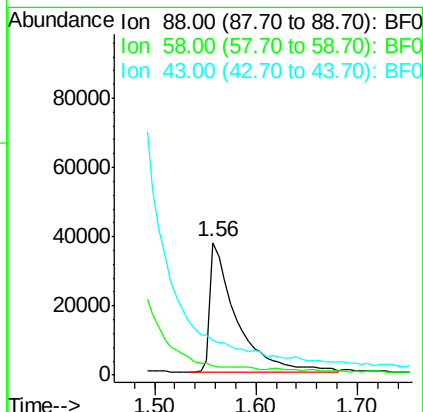
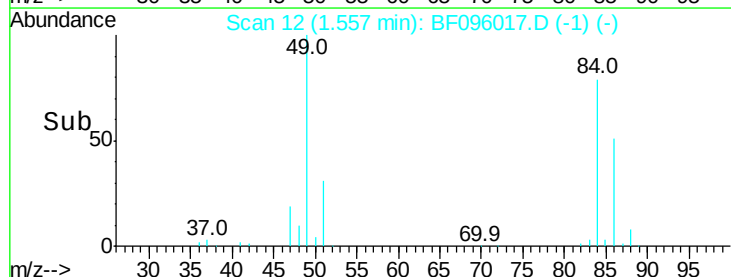
#2

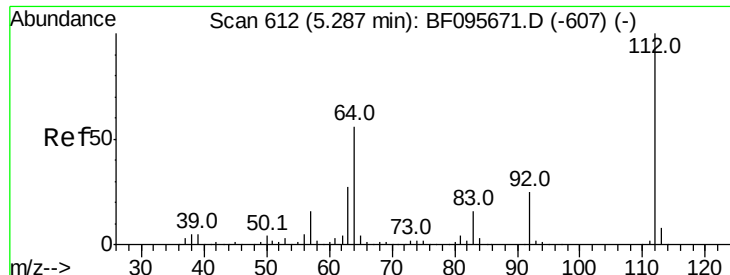
1,4-Dioxane
Concen: 27.43 ng
RT: 1.56 min Scan# 12
Delta R.T. -0.08 min
Lab File: BF096017.D
Acq: 19 Jun 2017 21:07

Tgt Ion: 88 Resp: 67242
Ion Ratio Lower Upper
88 100
58 0.0 61.4 92.0#
43 0.0 23.4 35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 111.33 ng

RT: 5.20 min Scan# 631

Delta R.T. -0.02 min

Lab File: BF096017.D

Acq: 19 Jun 2017 21:07

Instrument :
BNA_F
ClientSampleId :

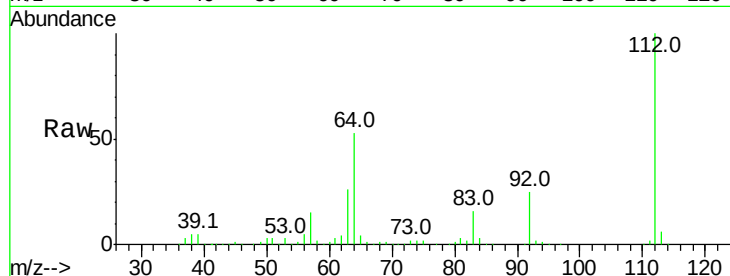
Tot Ion:112 Resp: 573720

Ion Ratio Lower Upper

112 100

64 52.9 46.0 69.0

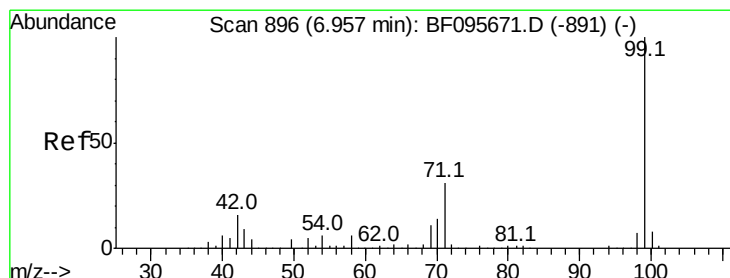
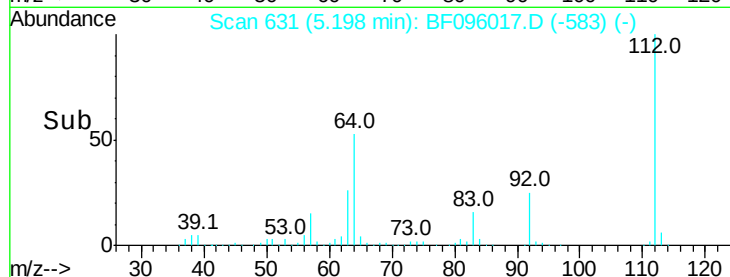
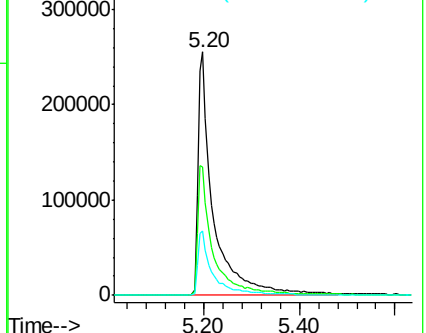
63 26.3 23.4 35.0



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: 110.17 ng

RT: 6.87 min Scan# 916

Delta R.T. -0.04 min

Lab File: BF096017.D

Acq: 19 Jun 2017 21:07

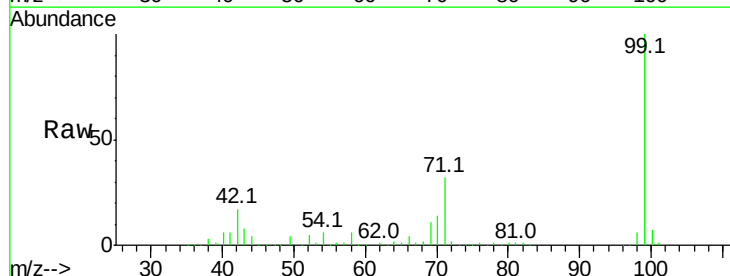
Tgt Ion: 99 Resp: 679697

Ion Ratio Lower Upper

99 100

42 16.6 13.5 20.3

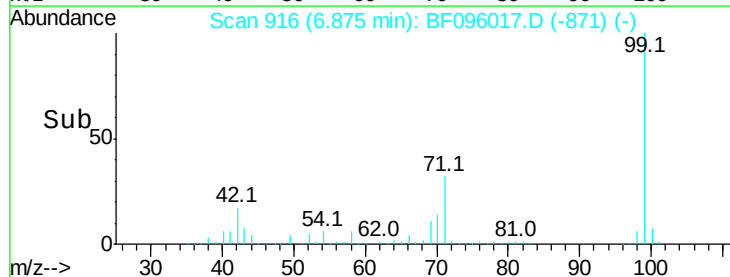
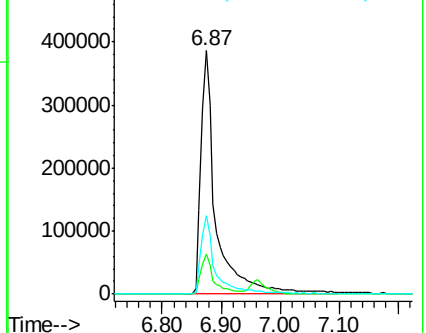
71 32.2 24.5 36.7

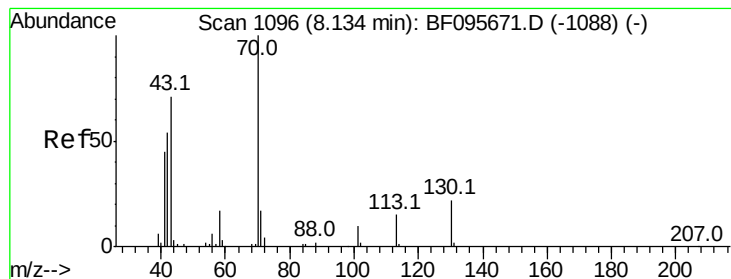


Abundance Ion 99.00 (98.70 to 99.70): BF0

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: 12.19 ng

RT: 8.23 min Scan# 1146

Delta R.T. 0.16 min

Lab File: BF096017.D

Acq: 19 Jun 2017 21:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 47650

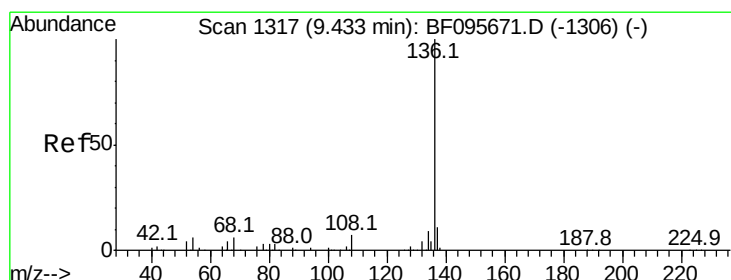
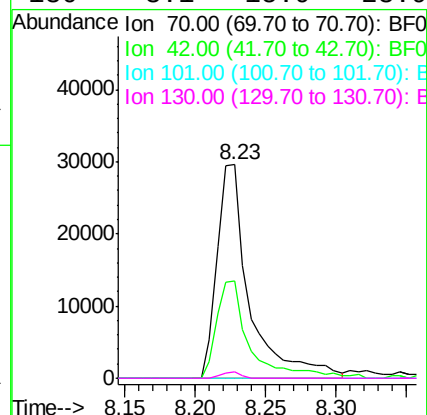
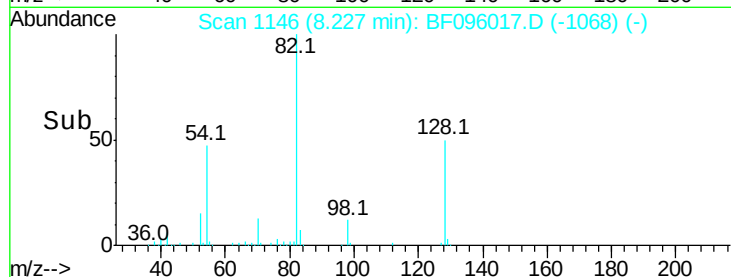
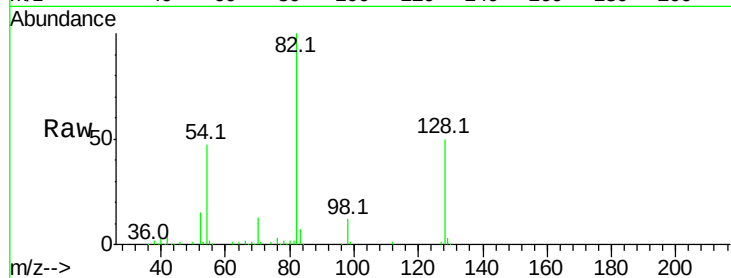
Ion Ratio Lower Upper

70 100

42 45.8 47.2 70.8#

101 0.0 7.2 10.8#

130 3.1 15.9 23.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.34 min Scan# 1335

Delta R.T. -0.02 min

Lab File: BF096017.D

Acq: 19 Jun 2017 21:07

Tgt Ion: 136 Resp: 336050

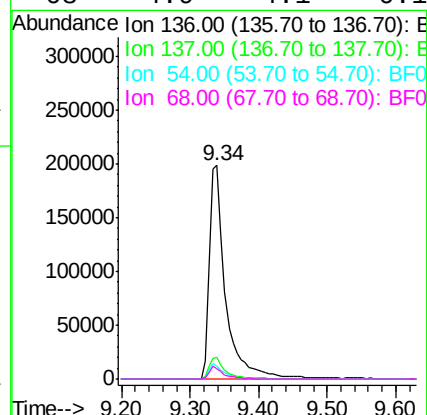
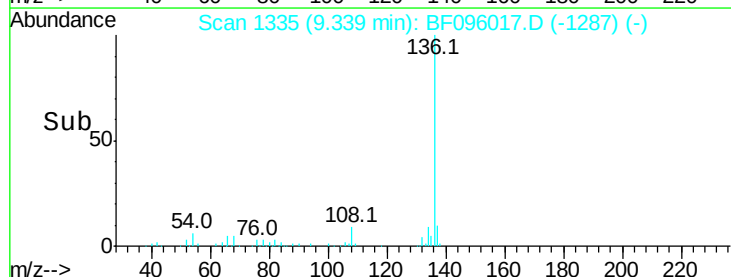
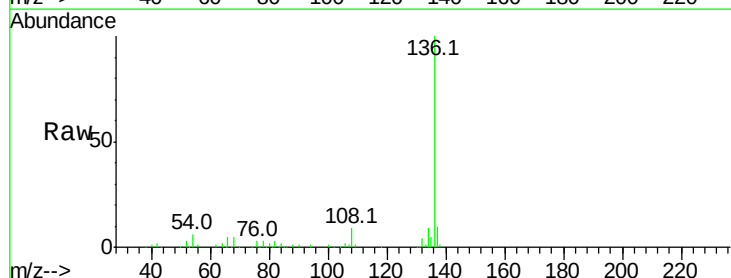
Ion Ratio Lower Upper

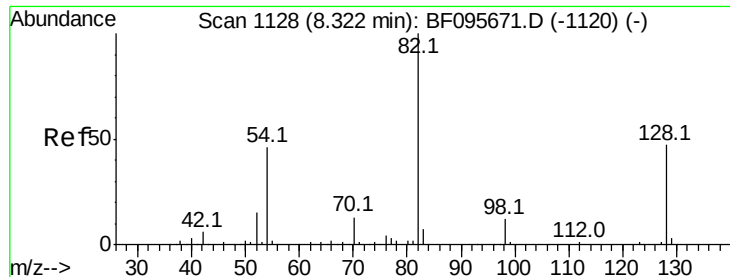
136 100

137 10.2 8.5 12.7

54 6.2 4.9 7.3

68 4.9 4.1 6.1





#23

Nitrobenzene-d5

Concen: 73.72 ng

RT: 8.23 min Scan# 1146

Delta R.T. -0.02 min

Lab File: BF096017.D

Acq: 19 Jun 2017 21:07

Instrument :

BNA_F

ClientSampleId :

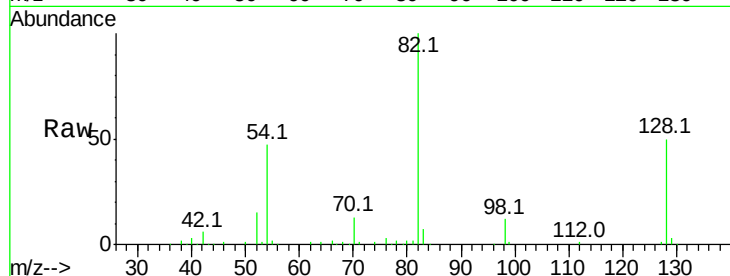
Tot Ion: 82 Resp: 398902

Ion Ratio Lower Upper

82 100

128 49.6 34.0 51.0

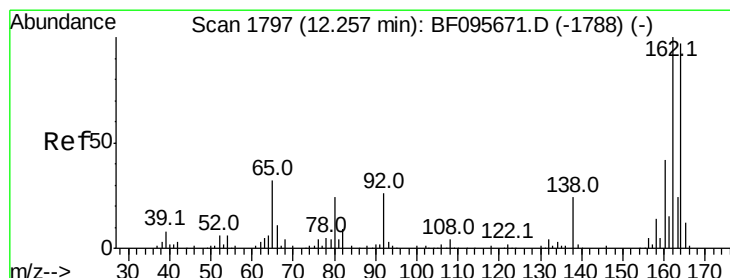
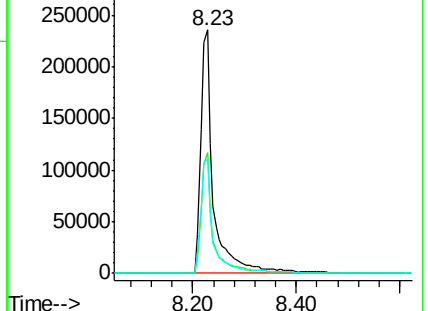
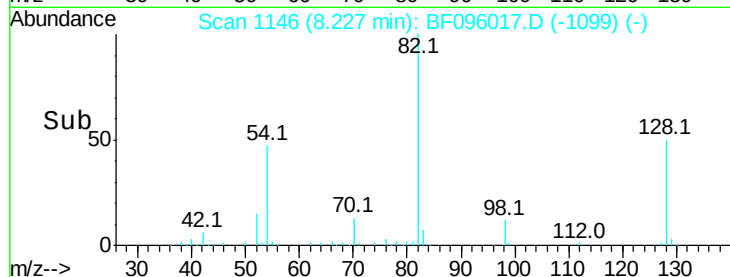
54 46.8 42.2 63.2



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.15 min Scan# 1813

Delta R.T. -0.03 min

Lab File: BF096017.D

Acq: 19 Jun 2017 21:07

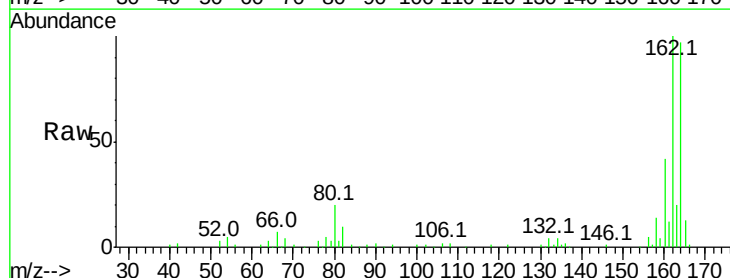
Tgt Ion:164 Resp: 142555

Ion Ratio Lower Upper

164 100

162 102.8 82.6 123.8

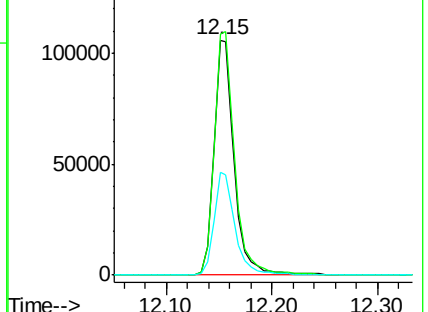
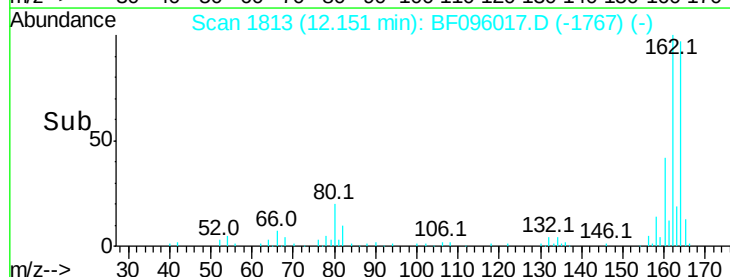
160 43.6 36.2 54.2

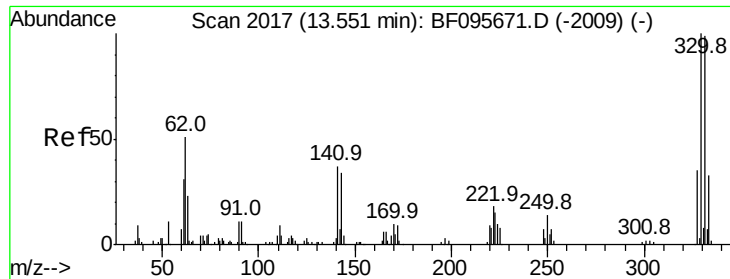


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

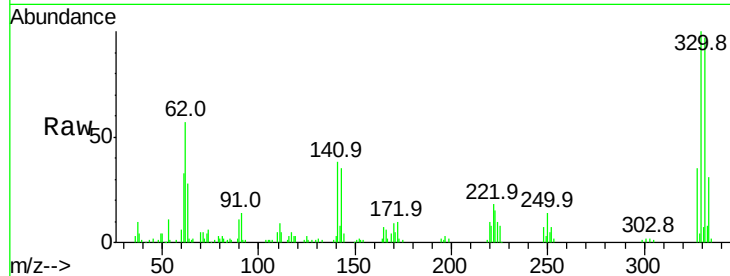




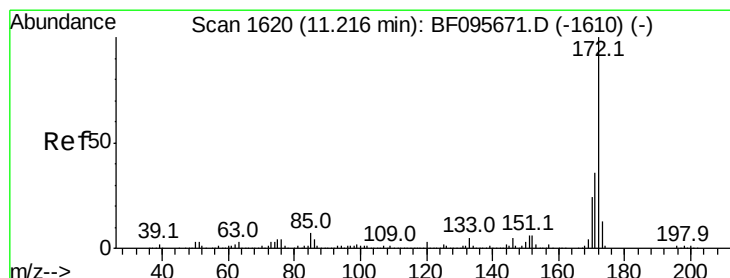
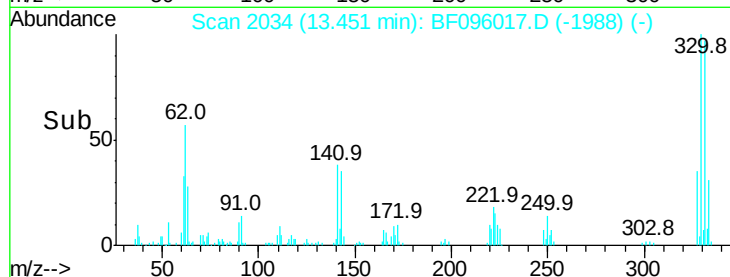
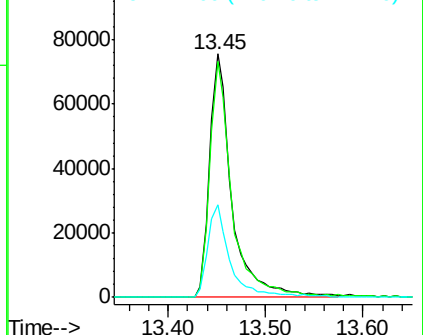
#41
 2,4,6-Tribromophenol
 Concen: 95.43 ng
 RT: 13.45 min Scan# 2034
 Delta R.T. -0.03 min
 Lab File: BF096017.D
 Acq: 19 Jun 2017 21:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 120361
 Ion Ratio Lower Upper
 330 100
 332 97.3 76.6 115.0
 141 38.4 31.4 47.2

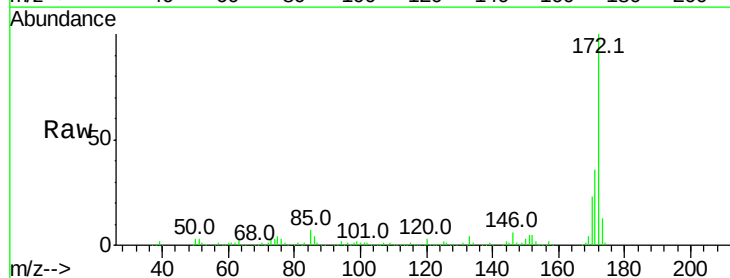


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

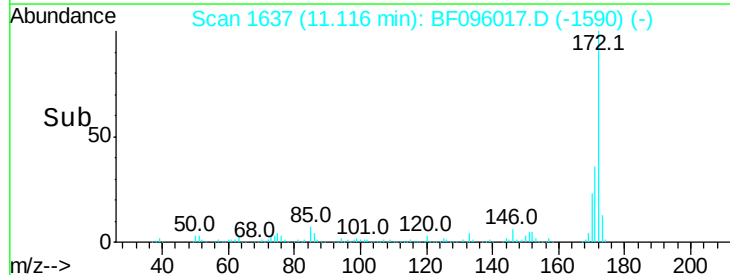
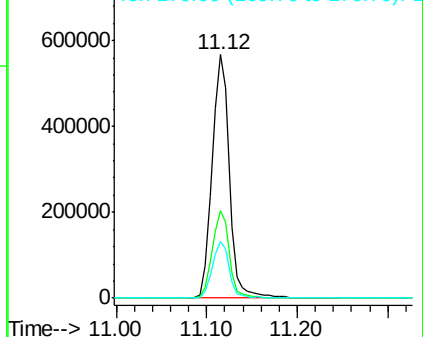


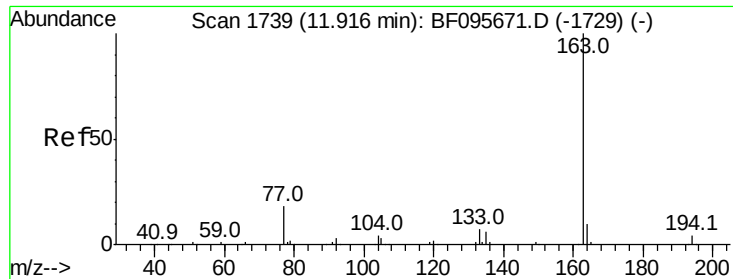
#44
 2-Fluorobiphenyl
 Concen: 73.52 ng
 RT: 11.12 min Scan# 1637
 Delta R.T. -0.02 min
 Lab File: BF096017.D
 Acq: 19 Jun 2017 21:07

Tgt Ion:172 Resp: 753113
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 23.2 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: 5.92 ng

RT: 11.82 min Scan# 1757

Delta R.T. -0.03 min

Lab File: BF096017.D

Acq: 19 Jun 2017 21:07

Instrument :

BNA_F

ClientSampled :

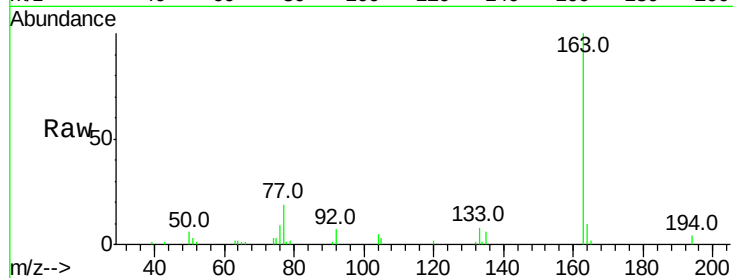
Tot Ion:163 Resp: 64039

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

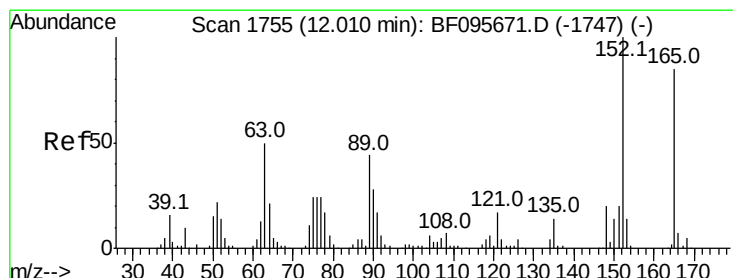
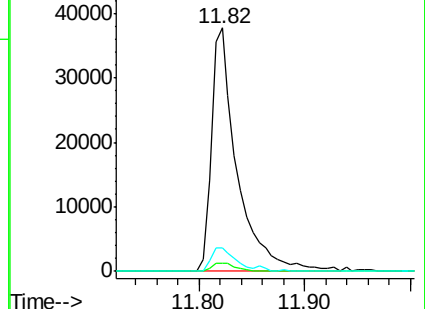
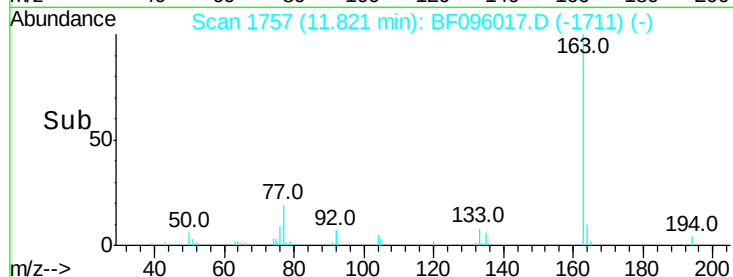
164 9.6 8.4 12.6



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



#50

2,6-Dinitrotoluene

Concen: 7.82 ng

RT: 12.16 min Scan# 1814

Delta R.T. 0.21 min

Lab File: BF096017.D

Acq: 19 Jun 2017 21:07

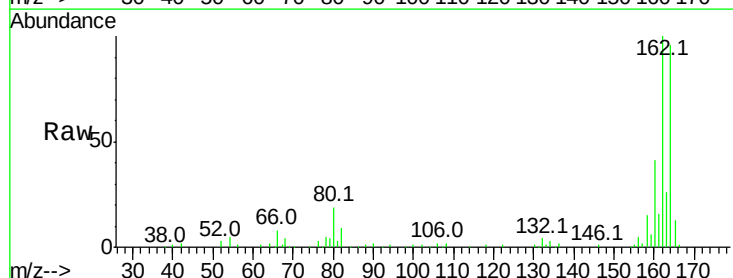
Tgt Ion:165 Resp: 18473

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

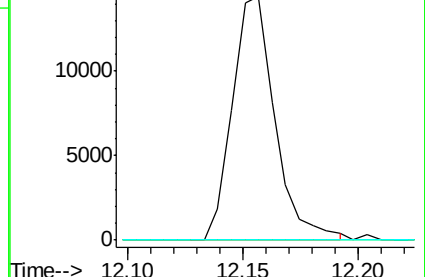
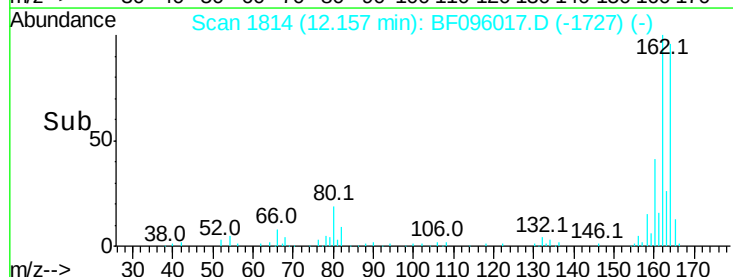
89 0.0 37.1 55.7#

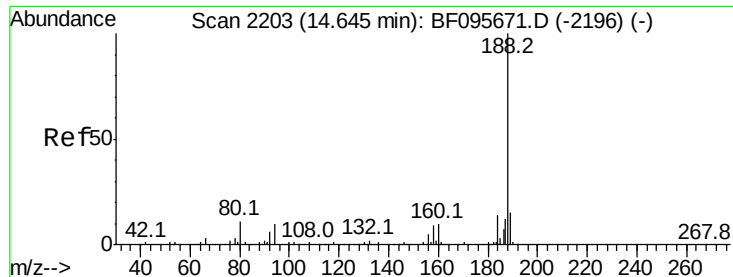


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

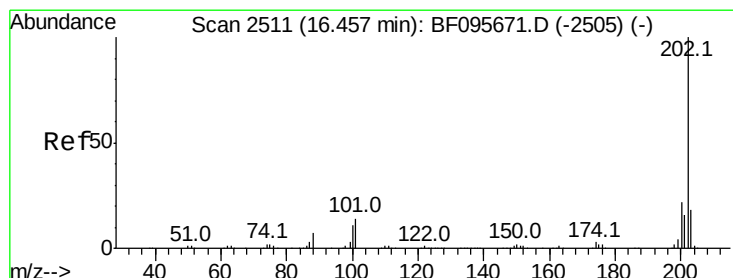
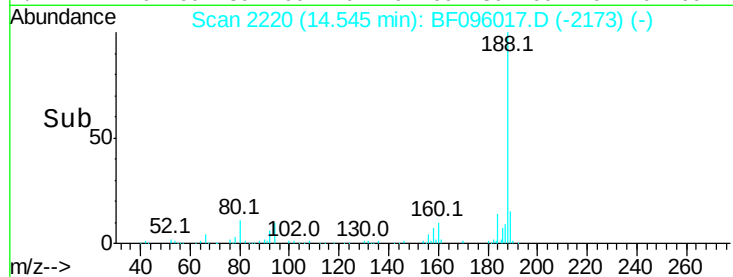
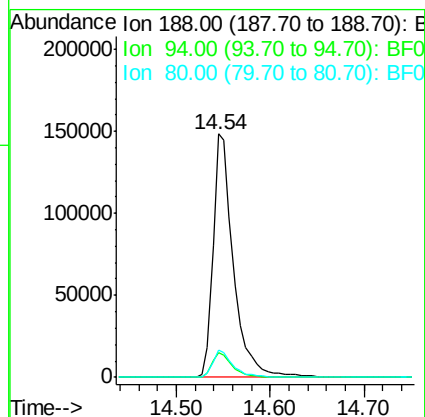
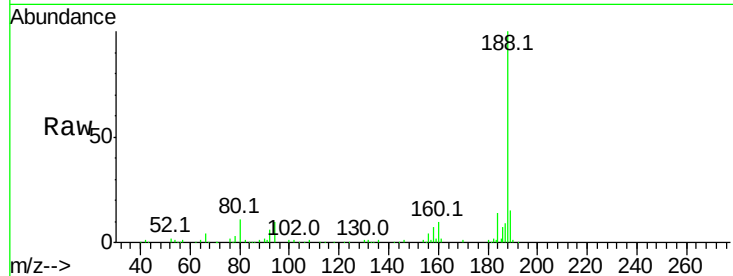




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.54 min Scan# 2220
Delta R.T. -0.02 min
Lab File: BF096017.D
Acq: 19 Jun 2017 21:07

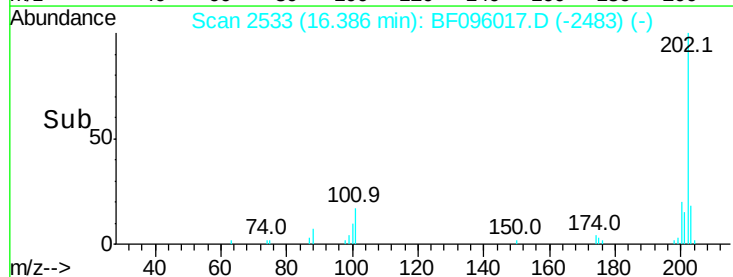
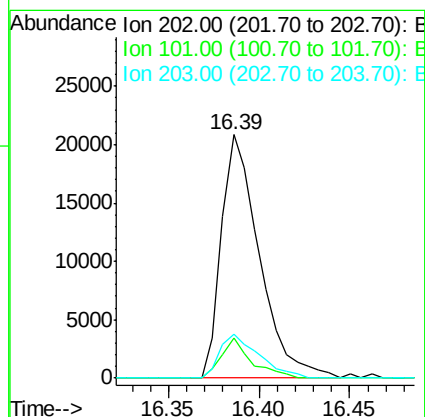
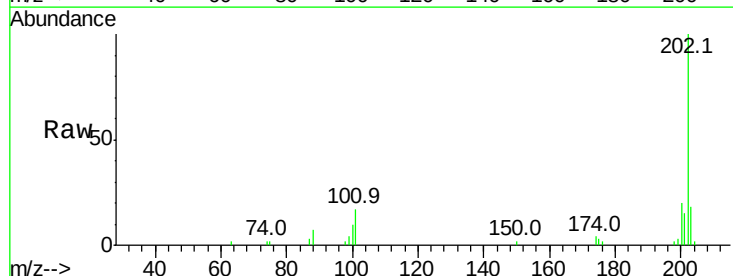
Instrument :
BNA_F
ClientSampleId :

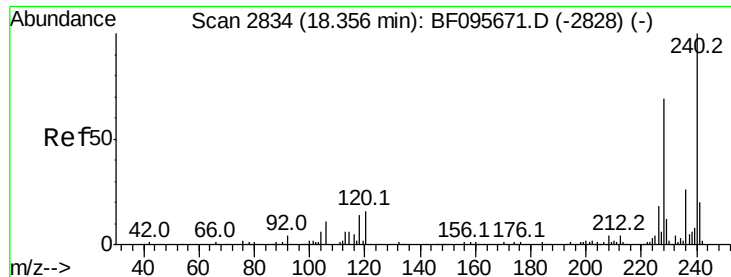
Tot Ion:188 Resp: 226565
Ion Ratio Lower Upper
188 100
94 10.4 9.4 14.2
80 11.0 10.2 15.2



#74
Fluoranthene
Concen: 2.35 ng
RT: 16.39 min Scan# 2533
Delta R.T. -0.01 min
Lab File: BF096017.D
Acq: 19 Jun 2017 21:07

Tgt Ion:202 Resp: 30440
Ion Ratio Lower Upper
202 100
101 16.7 0.0 33.2
203 18.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.27 min Scan# 2854

Delta R.T. -0.02 min

Lab File: BF096017.D

Acq: 19 Jun 2017 21:07

Instrument :

BNA_F

ClientSampleId :

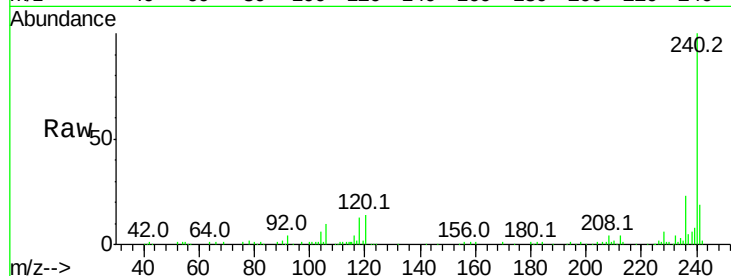
Tot Ion:240 Resp: 150064

Ion Ratio Lower Upper

240 100

120 14.4 5.8 8.8#

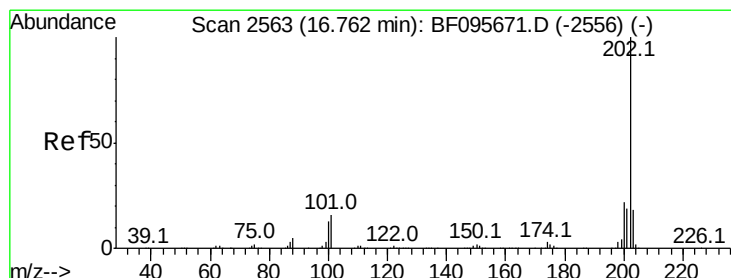
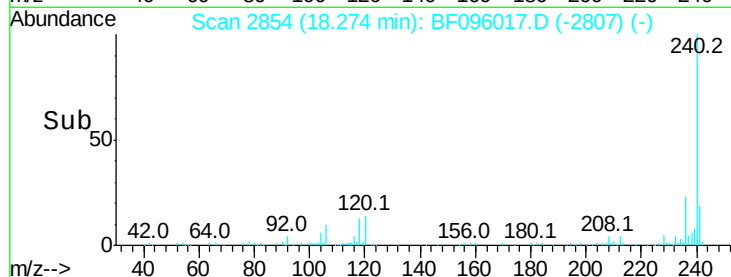
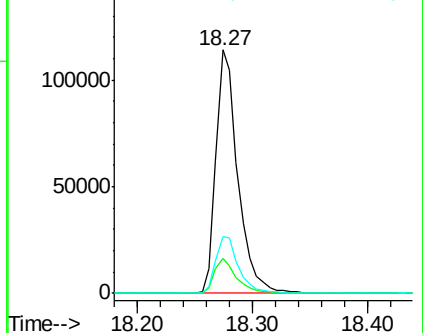
236 23.2 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 2.51 ng

RT: 16.69 min Scan# 2585

Delta R.T. -0.01 min

Lab File: BF096017.D

Acq: 19 Jun 2017 21:07

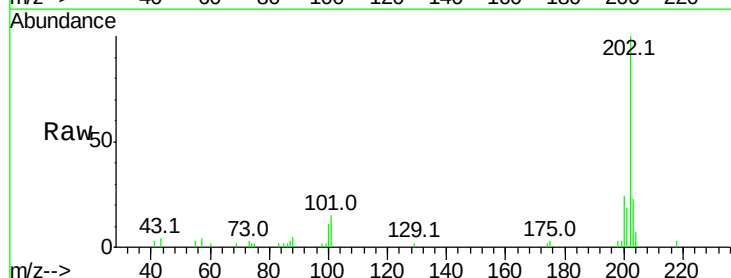
Tgt Ion:202 Resp: 28095

Ion Ratio Lower Upper

202 100

200 24.3 17.6 26.4

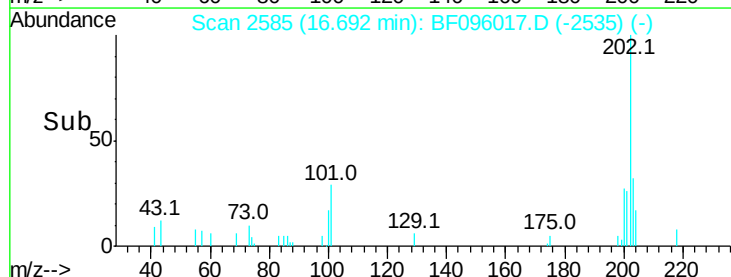
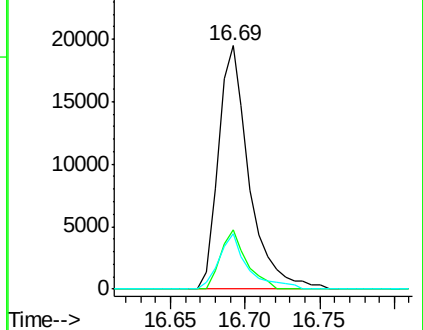
203 22.9 14.4 21.6#

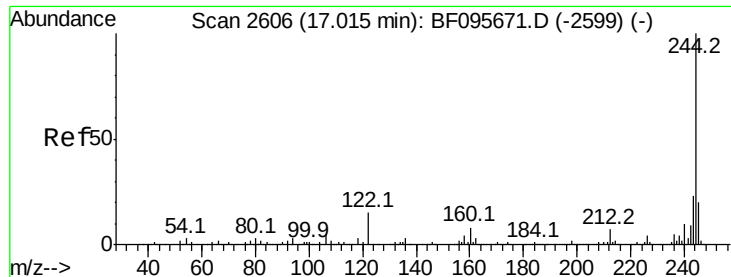


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

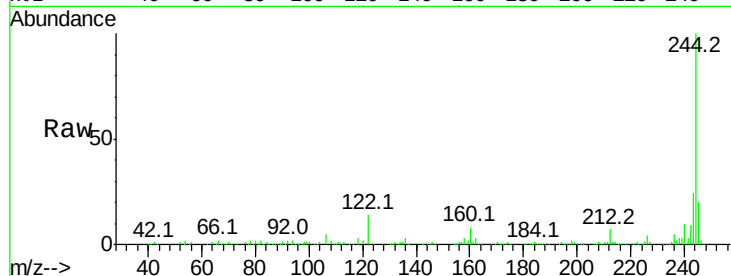




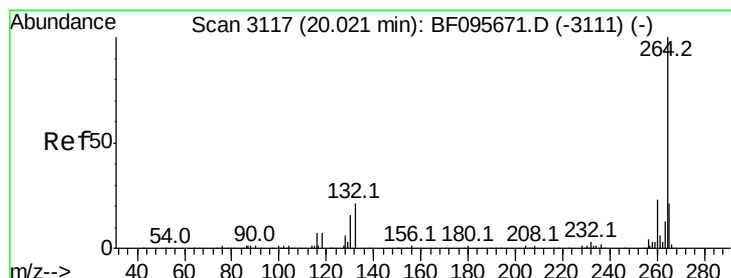
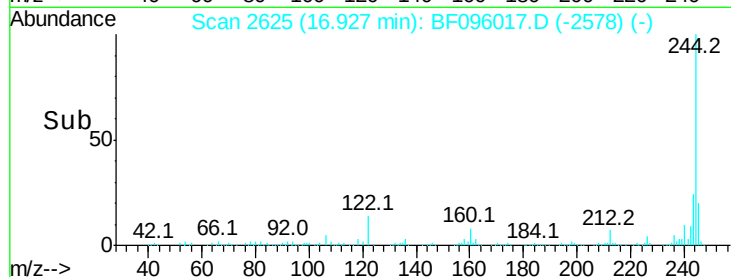
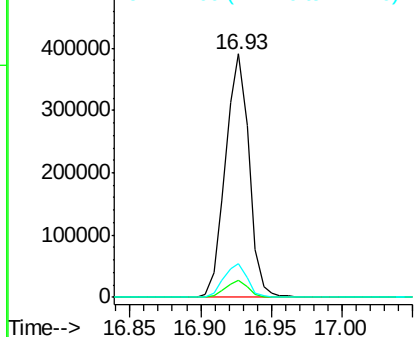
#78
 Terphenyl-d14
 Concen: 75.01 ng
 RT: 16.93 min Scan# 2625
 Delta R.T. -0.02 min
 Lab File: BF096017.D
 Acq: 19 Jun 2017 21:07

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 453571
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 14.0 10.3 15.5

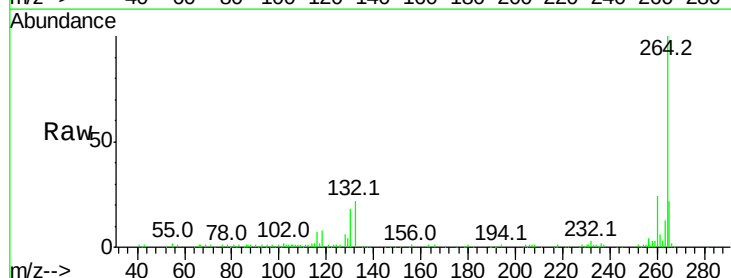


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

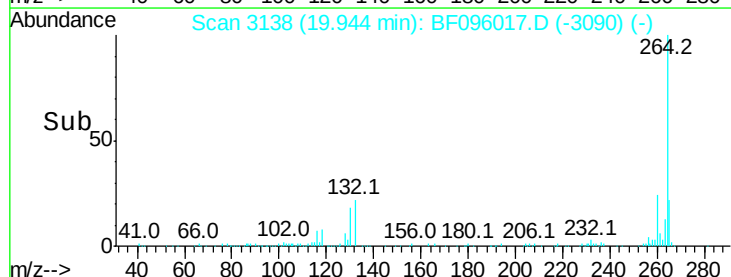
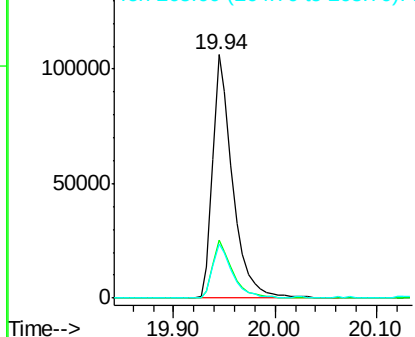


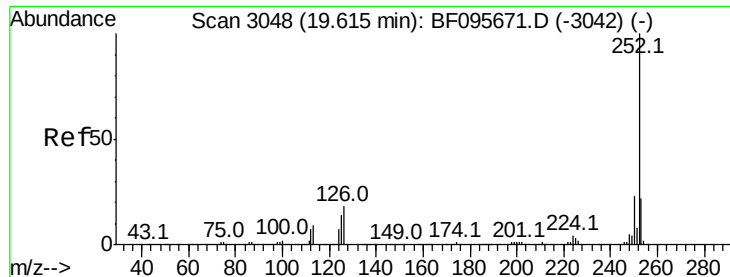
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.94 min Scan# 3138
 Delta R.T. -0.02 min
 Lab File: BF096017.D
 Acq: 19 Jun 2017 21:07

Tgt Ion:264 Resp: 145737
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.5 29.3
 265 22.0 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.53 ng

RT: 19.56 min Scan# 3073

Delta R.T. 0.01 min

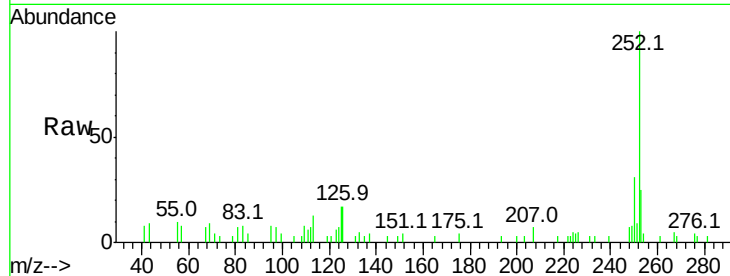
Lab File: BF096017.D

Acq: 19 Jun 2017 21:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 23116

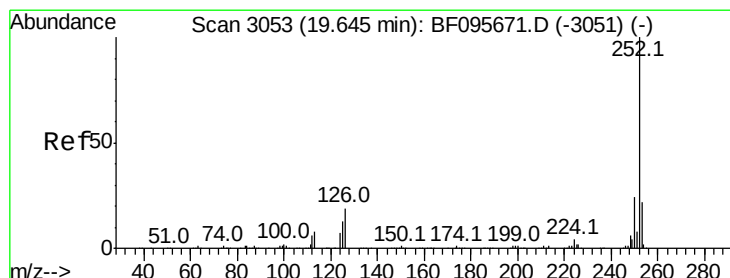
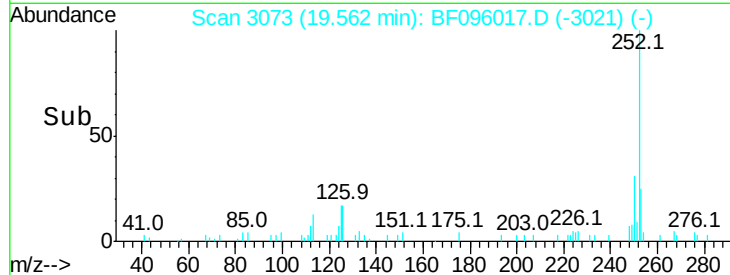
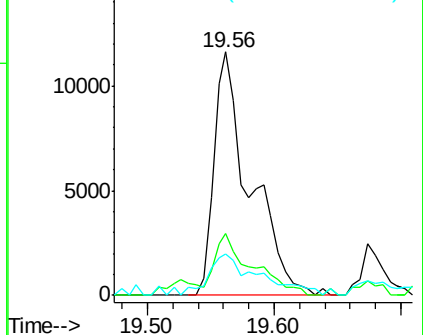
Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.1	27.1
125	17.1	9.8	14.8#



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



#88

Benzo(k)fluoranthene

Concen: 2.65 ng

RT: 19.56 min Scan# 3073

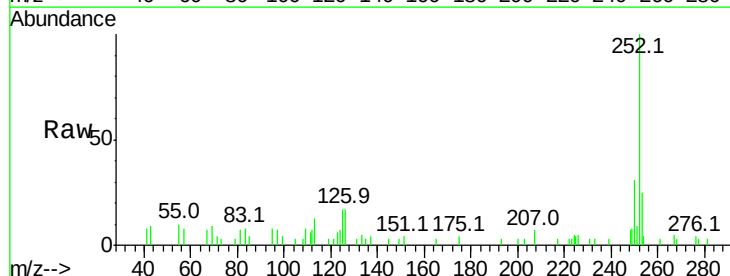
Delta R.T. -0.03 min

Lab File: BF096017.D

Acq: 19 Jun 2017 21:07

Tgt Ion:252 Resp: 23116

Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.4	27.6
125	17.1	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

