

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
 Data File : BF096196.D
 Acq On : 24 Jun 2017 18:20
 Operator : SJ/MA
 Sample : I3851-04 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 26 01:24:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

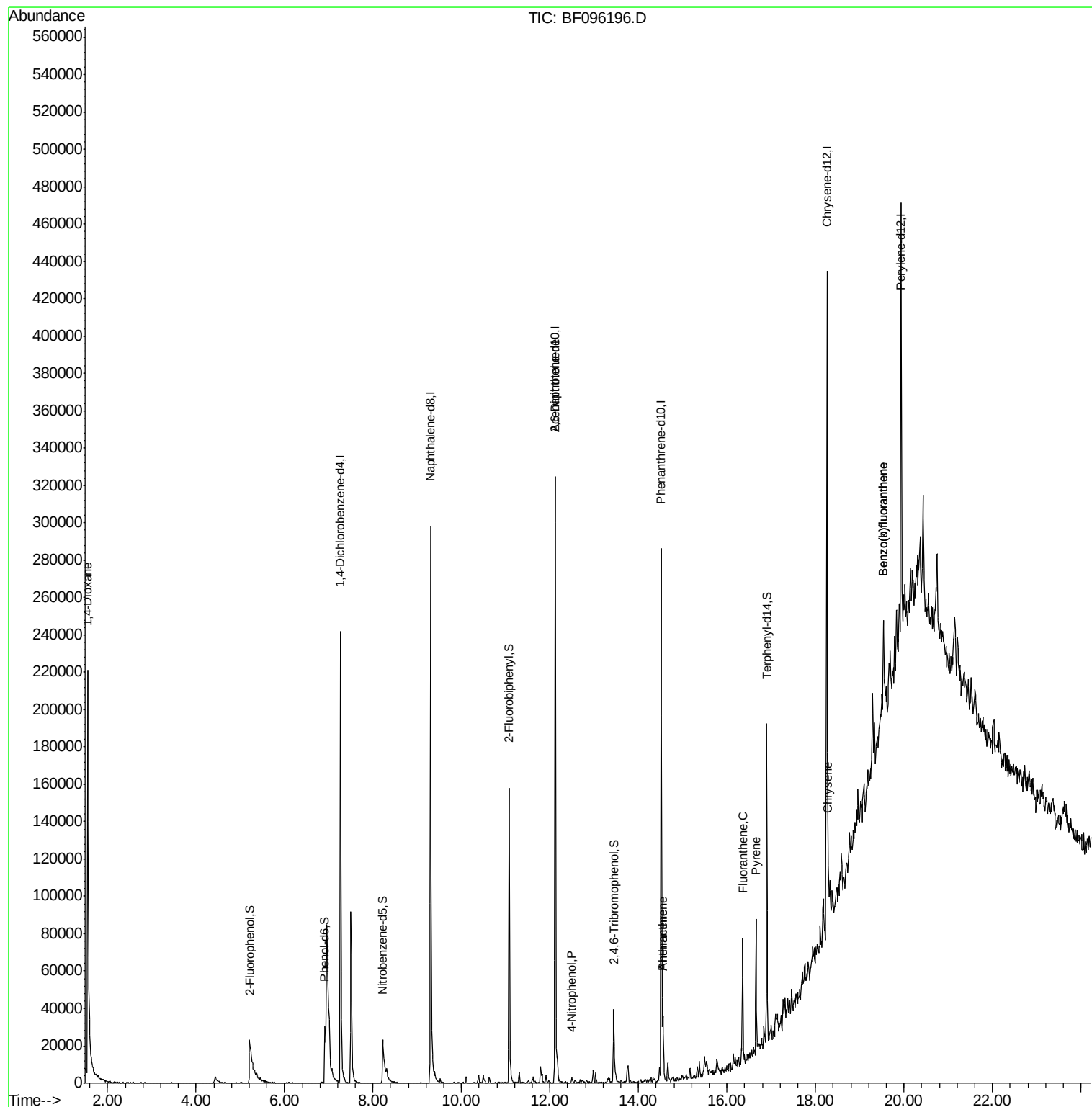
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.26	152	61374	20.00	ng	-0.03
21) Naphthalene-d8	9.30	136	243426	20.00	ng	-0.03
38) Acenaphthene-d10	12.12	164	98369	20.00	ng	-0.04
63) Phenanthrene-d10	14.52	188	163275	20.00	ng	-0.02
75) Chrysene-d12	18.26	240	138892	20.00	ng	-0.02
86) Perylene-d12	19.93	264	99163	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	26937	6.99	ng	0.03
7) Phenol-d6	6.91	99	59538	12.91	ng	0.04
23) Nitrobenzene-d5	8.22	82	35846	9.15	ng	0.00
41) 2,4,6-Tribromophenol	13.44	330	10856	12.47	ng	-0.01
44) 2-Fluorobiphenyl	11.07	172	82421	11.66	ng	-0.04
78) Terphenyl-d14	16.90	244	62697	11.20	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	1.55	88	11760	6.42	ng	# 26
50) 2,6-Dinitrotoluene	12.12	165	12115	7.44	ng	# 31
55) 4-Nitrophenol	12.49	139	972	5.45	ng	# 25
70) Phenanthrene	14.56	178	23879	2.53	ng	99
71) Anthracene	14.56	178	23879	2.43	ng	99
74) Fluoranthene	16.35	202	37131	3.98	ng	96
77) Pyrene	16.66	202	34125	3.29	ng	99
82) Chrysene	18.29	228	19877	2.46	ng	# 94
87) Benzo(b)fluoranthene	19.53	252	27792	4.48	ng	# 82
88) Benzo(k)fluoranthene	19.53	252	27792	4.68	ng	# 86

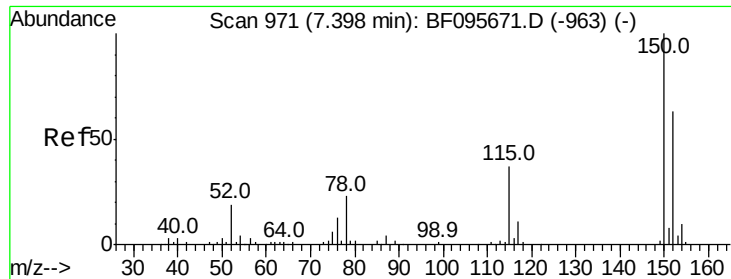
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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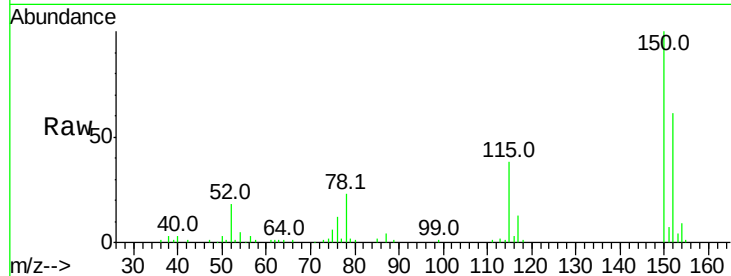


#1

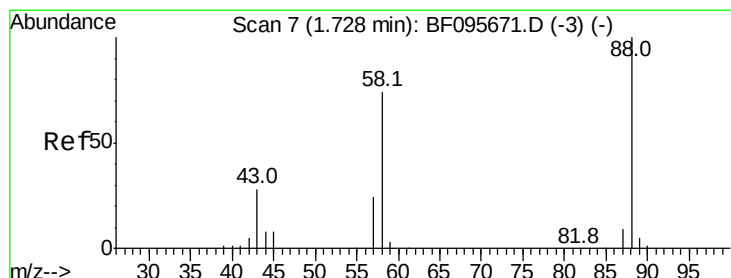
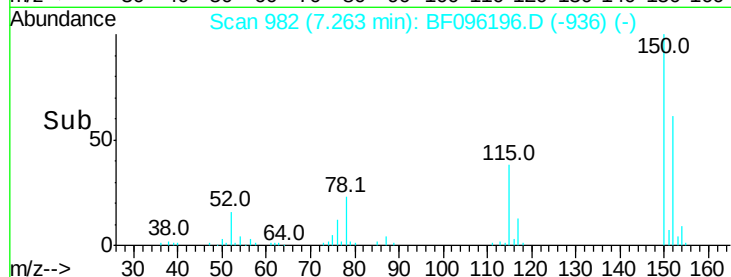
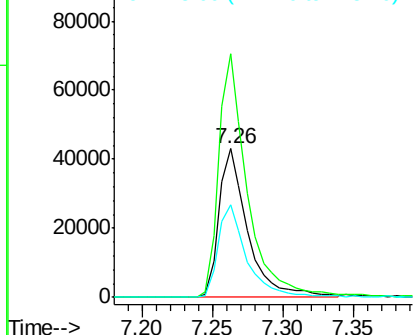
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.26 min Scan# 982
 Delta R.T. -0.03 min
 Lab File: BF096196.D
 Acq: 24 Jun 2017 18:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 61374
 Ion Ratio Lower Upper
 152 100
 150 164.0 126.2 189.2
 115 62.3 52.2 78.2



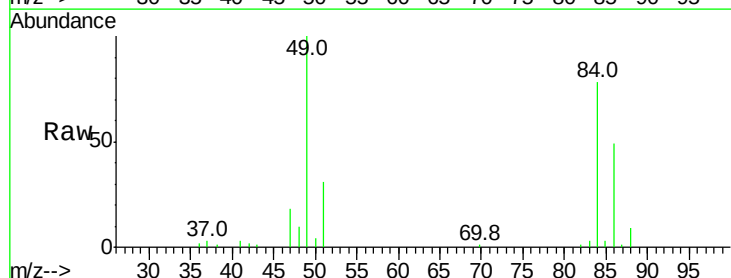
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



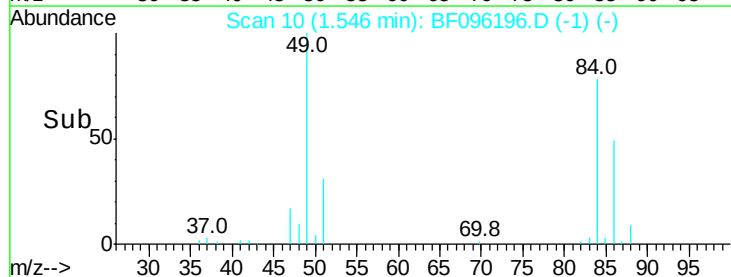
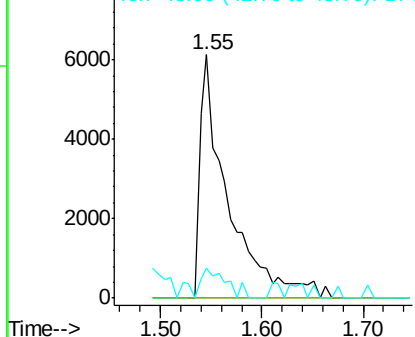
#2

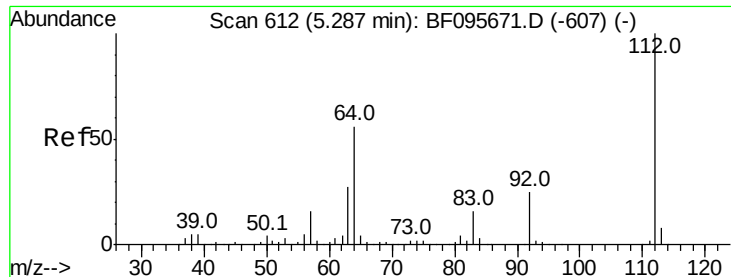
1,4-Dioxane
 Concen: 6.42 ng
 RT: 1.55 min Scan# 10
 Delta R.T. -0.06 min
 Lab File: BF096196.D
 Acq: 24 Jun 2017 18:20

Tgt Ion: 88 Resp: 11760
 Ion Ratio Lower Upper
 88 100
 58 0.0 61.4 92.0#
 43 10.9 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: 6.99 ng

RT: 5.21 min Scan# 633

Delta R.T. 0.03 min

Lab File: BF096196.D

Acq: 24 Jun 2017 18:20

Instrument :

BNA_F

ClientSampleId :

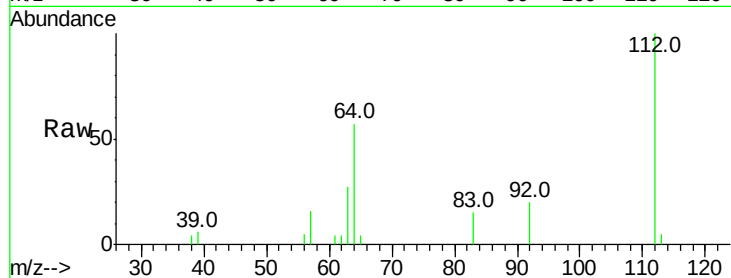
Tot Ion: 112 Resp: 26937

Ion Ratio Lower Upper

112 100

64 56.6 46.0 69.0

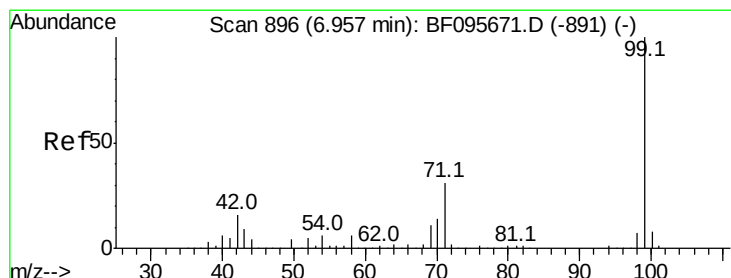
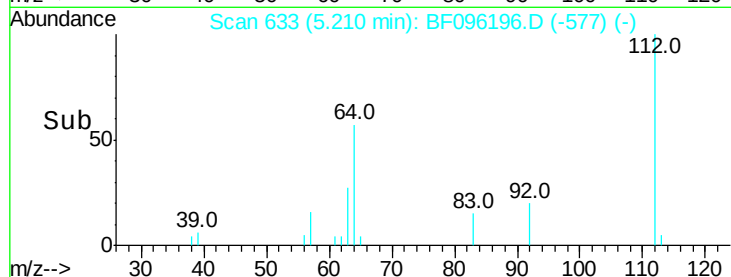
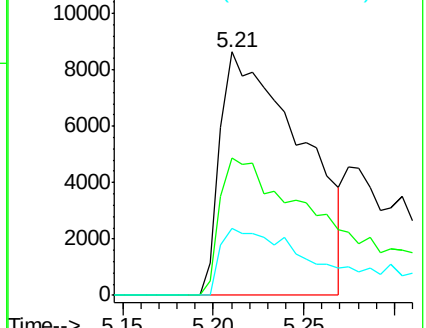
63 27.3 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 12.91 ng

RT: 6.91 min Scan# 922

Delta R.T. 0.04 min

Lab File: BF096196.D

Acq: 24 Jun 2017 18:20

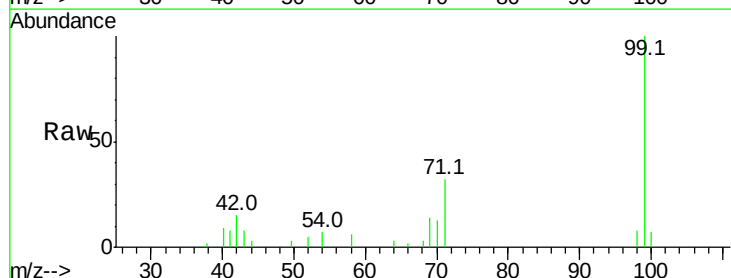
Tgt Ion: 99 Resp: 59538

Ion Ratio Lower Upper

99 100

42 15.3 13.5 20.3

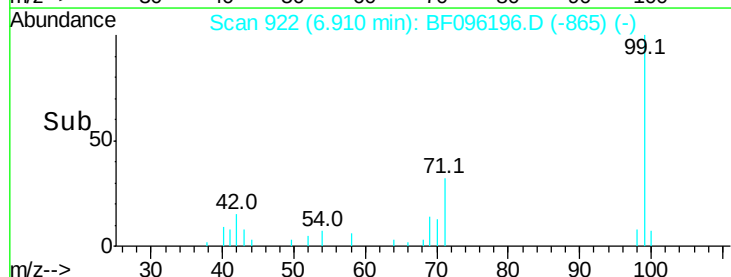
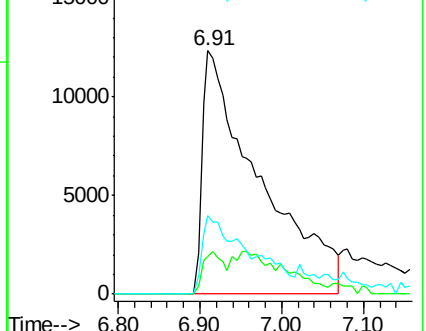
71 32.5 24.5 36.7

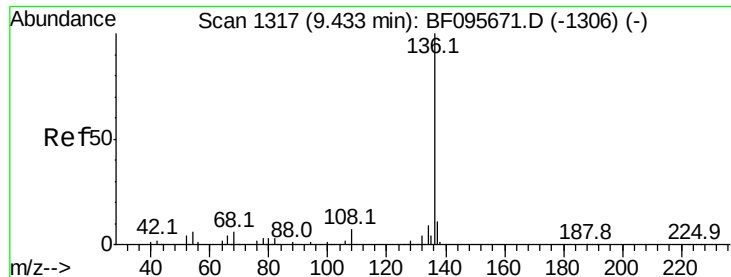


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

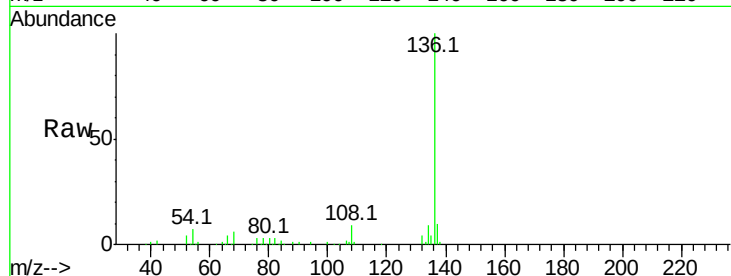




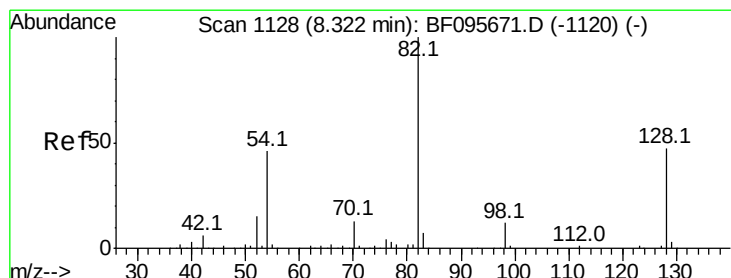
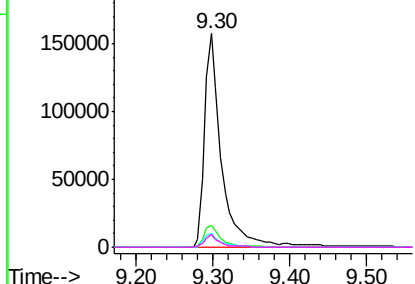
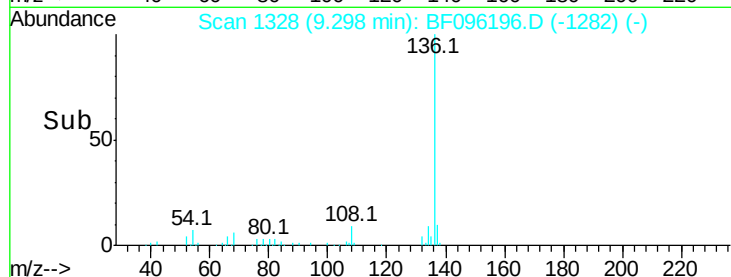
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.30 min Scan# 1328
Delta R.T. -0.03 min
Lab File: BF096196.D
Acq: 24 Jun 2017 18:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	243426
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.5	12.7
54	6.7	4.9	7.3
68	5.9	4.1	6.1

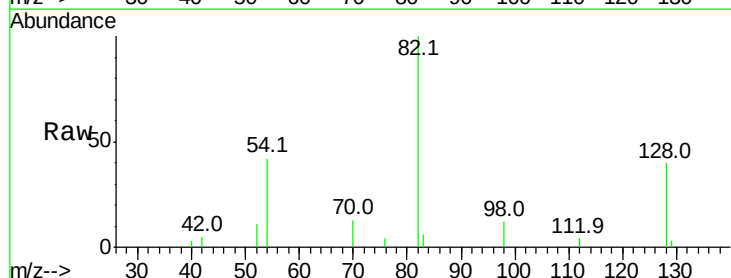


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

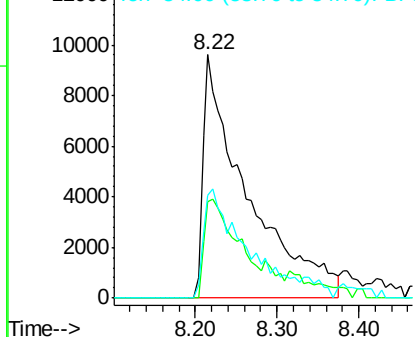
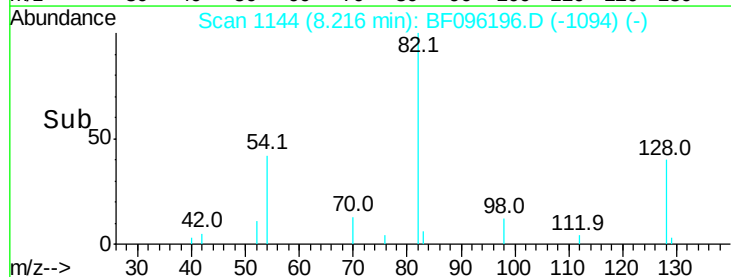


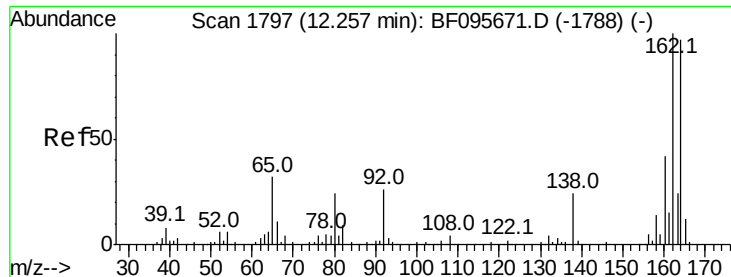
#23
Nitrobenzene-d5
Concen: 9.15 ng
RT: 8.22 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF096196.D
Acq: 24 Jun 2017 18:20

Tgt Ion:	82	Resp:	35846
Ion	Ratio	Lower	Upper
82	100		
128	39.6	34.0	51.0
54	42.5	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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.12 min Scan# 1807

Delta R.T. -0.04 min

Lab File: BF096196.D

Acq: 24 Jun 2017 18:20

Instrument :

BNA_F

ClientSampleId :

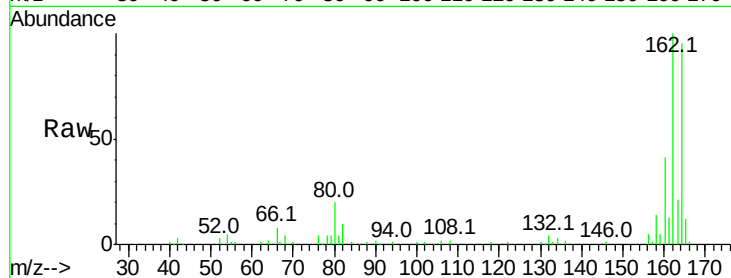
Tot Ion:164 Resp: 98369

Ion Ratio Lower Upper

164 100

162 105.3 82.6 123.8

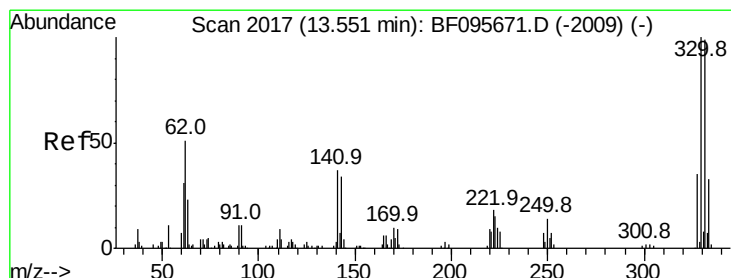
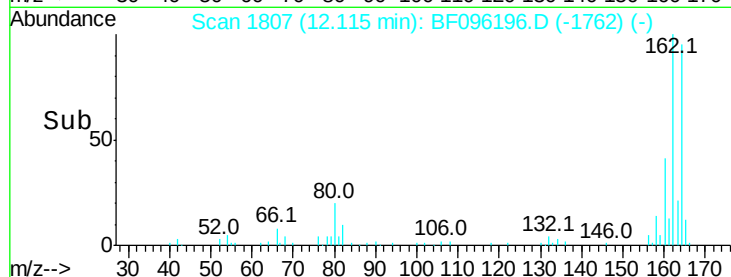
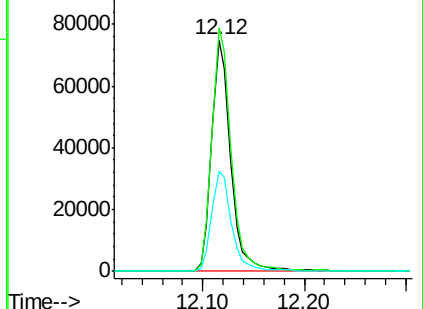
160 43.6 36.2 54.2



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: 12.47 ng

RT: 13.44 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF096196.D

Acq: 24 Jun 2017 18:20

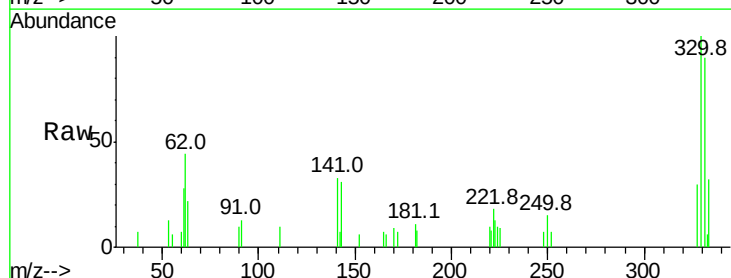
Tgt Ion:330 Resp: 10856

Ion Ratio Lower Upper

330 100

332 93.5 76.6 115.0

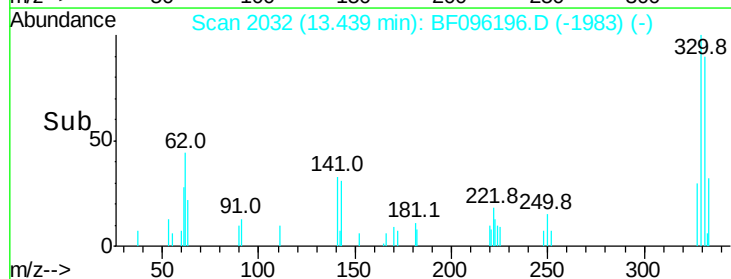
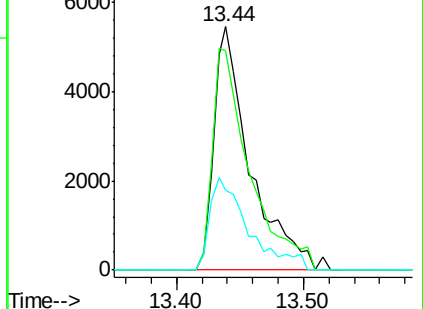
141 40.7 31.4 47.2

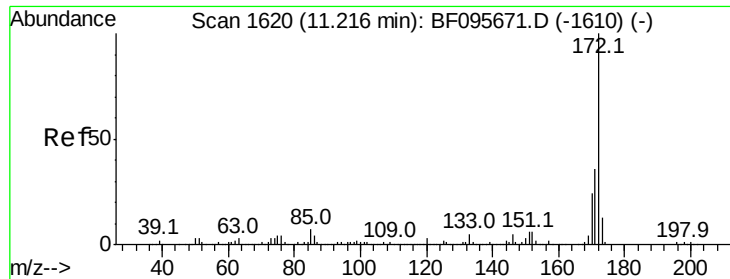


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

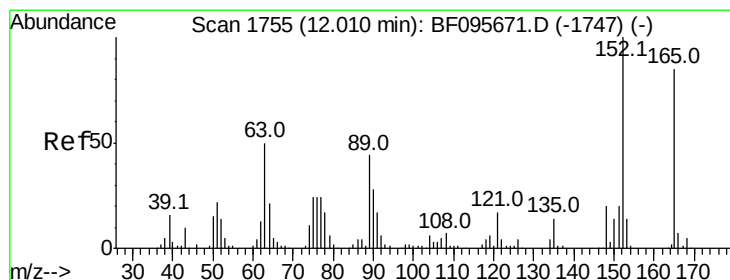
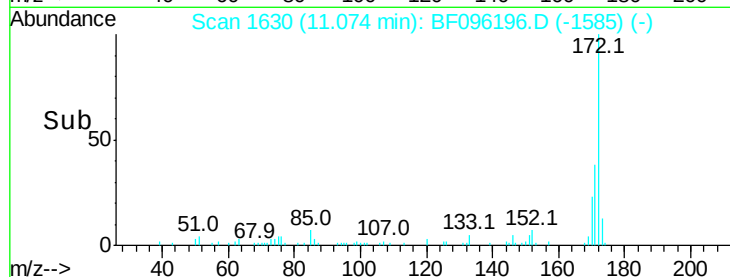
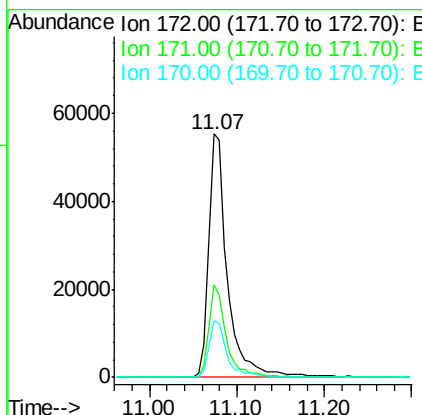
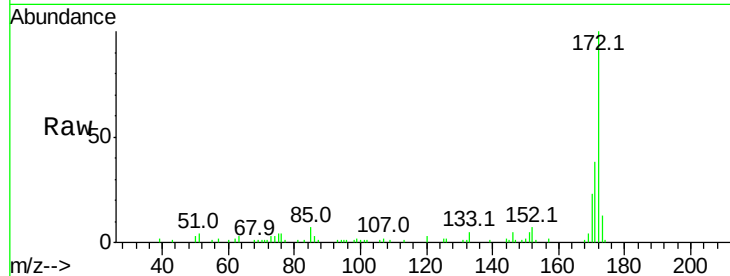




#44
2-Fluorobiphenyl
Concen: 11.66 ng
RT: 11.07 min Scan# 1630
Delta R.T. -0.04 min
Lab File: BF096196.D
Acq: 24 Jun 2017 18:20

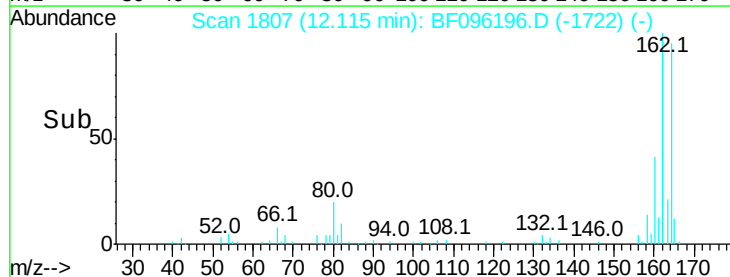
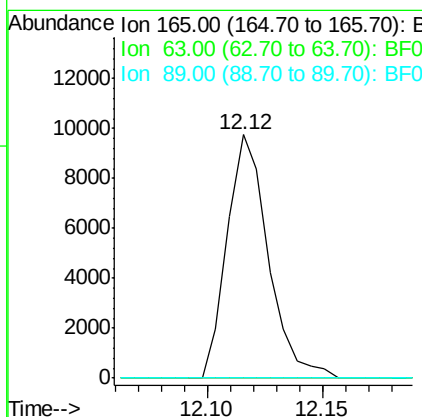
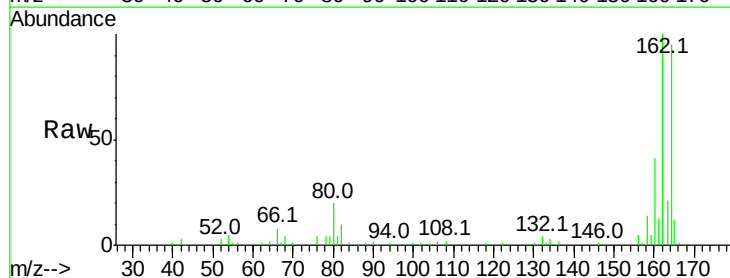
Instrument :
BNA_F
ClientSampleId :

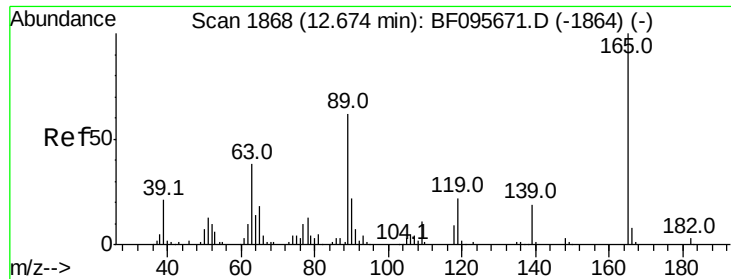
Tot Ion:172 Resp: 82421
Ion Ratio Lower Upper
172 100
171 38.2 29.6 44.4
170 23.2 19.8 29.8



#50
2,6-Dinitrotoluene
Concen: 7.44 ng
RT: 12.12 min Scan# 1807
Delta R.T. 0.20 min
Lab File: BF096196.D
Acq: 24 Jun 2017 18:20

Tgt Ion:165 Resp: 12115
Ion Ratio Lower Upper
165 100
63 0.0 34.3 51.5#
89 0.0 37.1 55.7#





#55

4-Nitrophenol

Concen: 5.45 ng

RT: 12.49 min Scan# 1871

Delta R.T. -0.14 min

Lab File: BF096196.D

Acq: 24 Jun 2017 18:20

Instrument :

BNA_F

ClientSampleId :

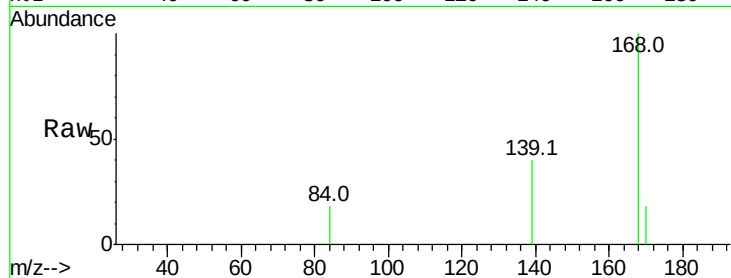
Tot Ion:139 Resp: 972

Ion Ratio Lower Upper

139 100

109 0.0 34.1 74.1#

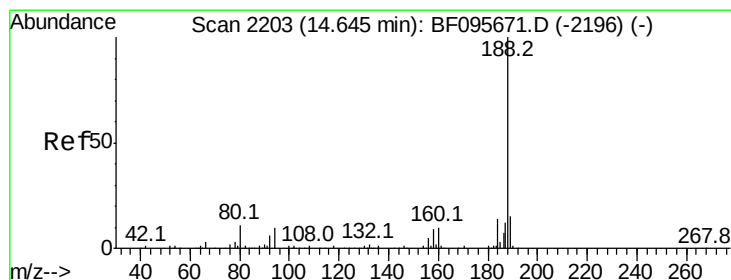
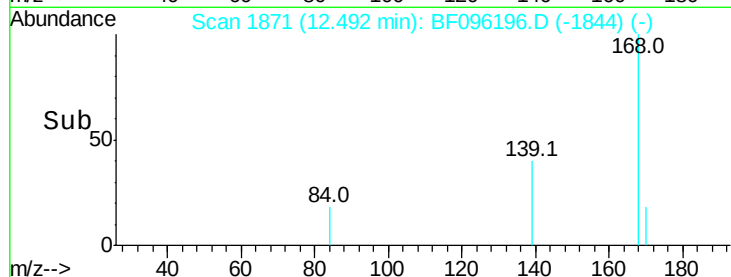
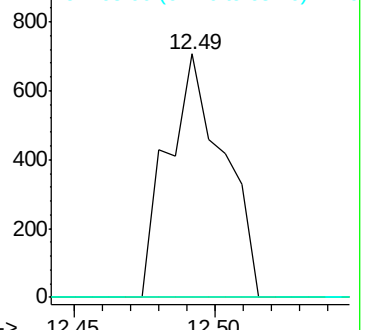
65 0.0 31.4 71.4#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.52 min Scan# 2215

Delta R.T. -0.02 min

Lab File: BF096196.D

Acq: 24 Jun 2017 18:20

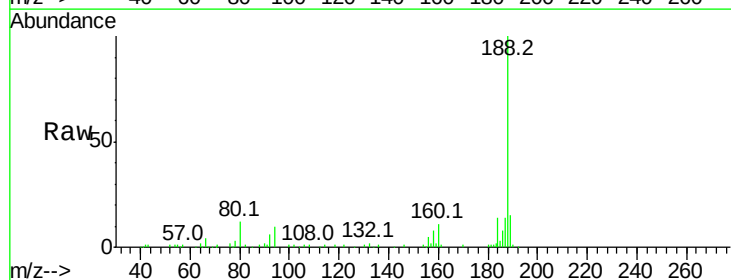
Tgt Ion:188 Resp: 163275

Ion Ratio Lower Upper

188 100

94 9.8 9.4 14.2

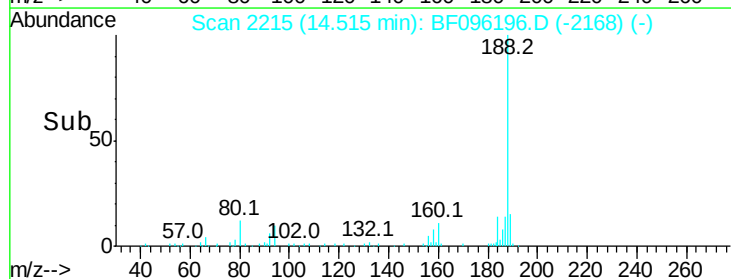
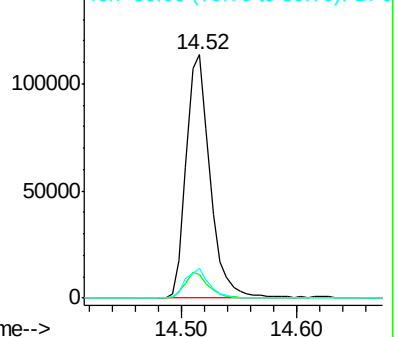
80 12.0 10.2 15.2

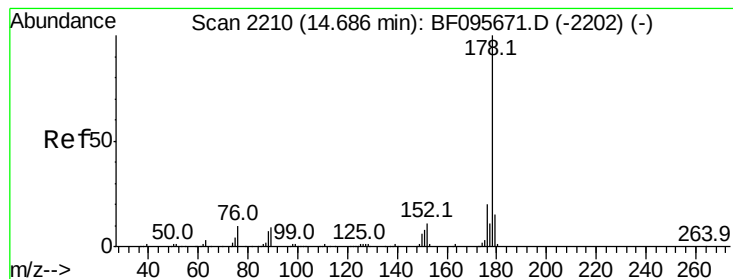


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 2.53 ng

RT: 14.56 min Scan# 2222

Delta R.T. -0.02 min

Lab File: BF096196.D

Acq: 24 Jun 2017 18:20

Instrument :

BNA_F

ClientSampleId :

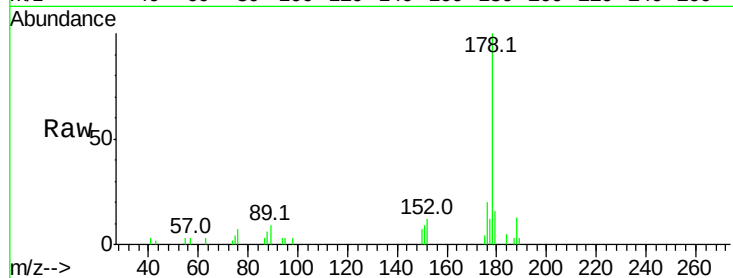
Tot Ion:178 Resp: 23879

Ion Ratio Lower Upper

178 100

176 19.6 16.2 24.4

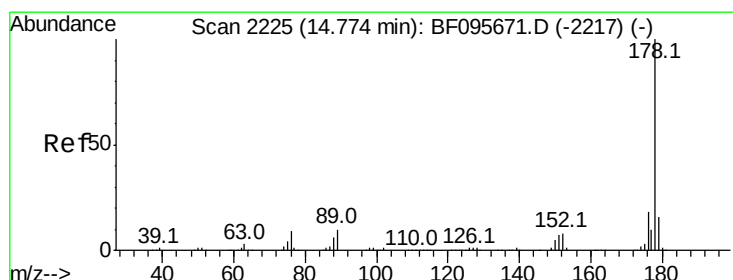
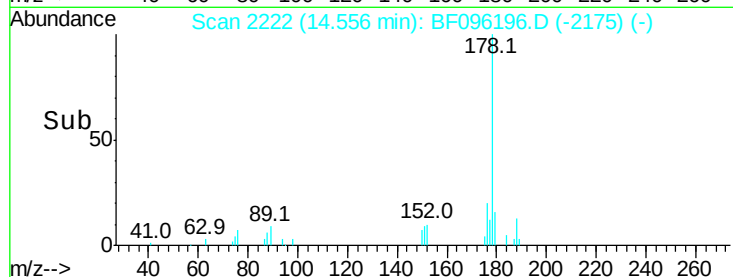
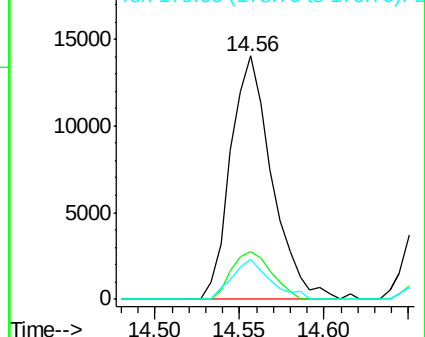
179 16.3 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.43 ng

RT: 14.56 min Scan# 2222

Delta R.T. -0.11 min

Lab File: BF096196.D

Acq: 24 Jun 2017 18:20

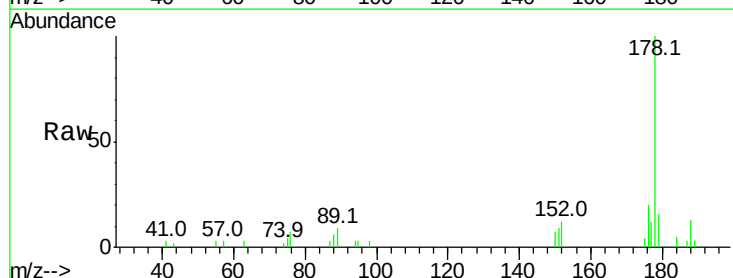
Tgt Ion:178 Resp: 23879

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

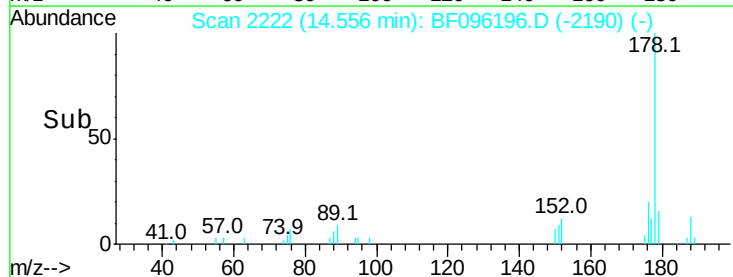
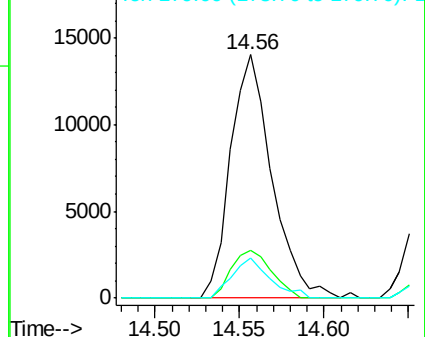
179 16.3 12.7 19.1

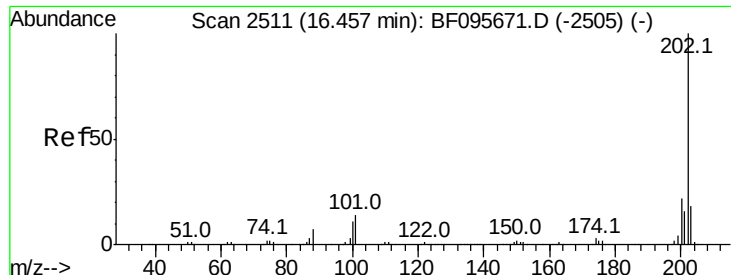


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

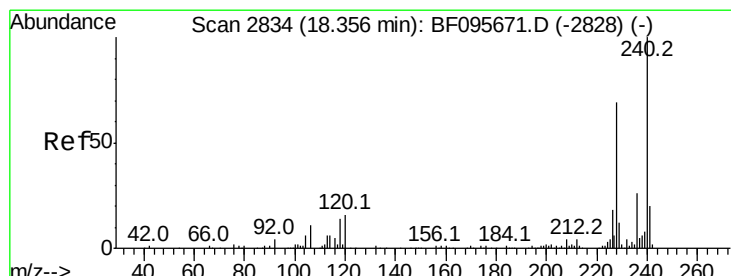
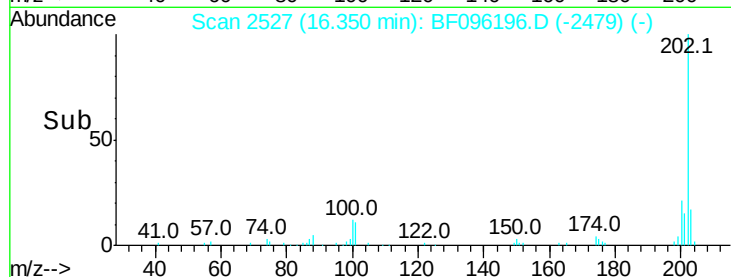
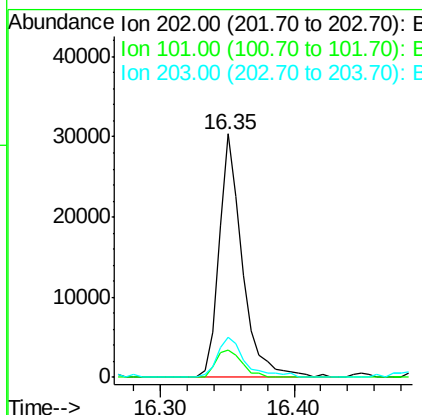
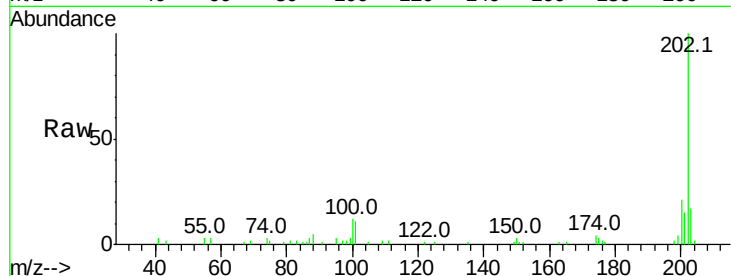




#74
 Fluoranthene
 Concen: 3.98 ng
 RT: 16.35 min Scan# 2527
 Delta R.T. -0.02 min
 Lab File: BF096196.D
 Acq: 24 Jun 2017 18:20

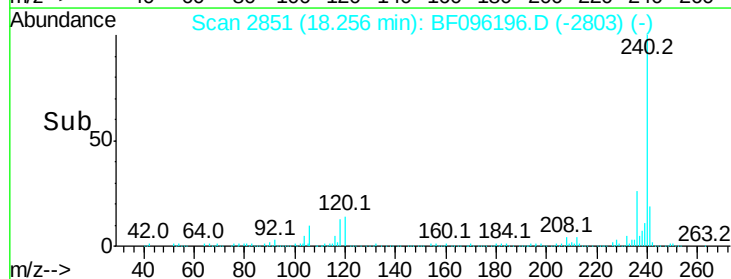
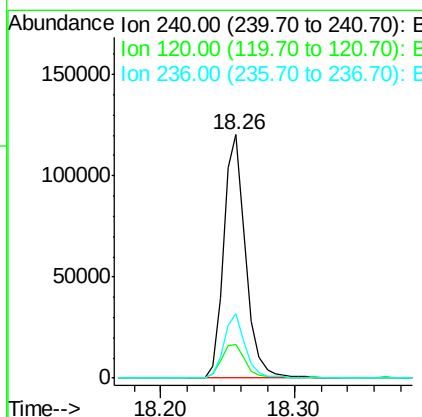
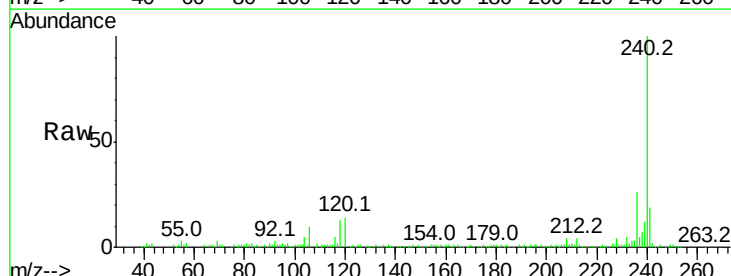
Instrument :
 BNA_F
 ClientSampleId :

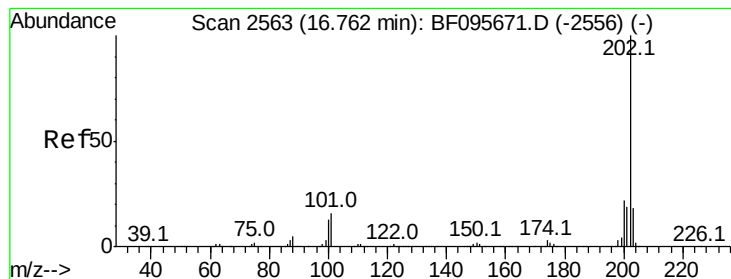
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	33.2
203	16.7	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.26 min Scan# 2851
 Delta R.T. -0.02 min
 Lab File: BF096196.D
 Acq: 24 Jun 2017 18:20

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.8	5.8	8.8#
236	26.3	20.5	30.7





#77

Pvrene

Concen: 3.29 ng

RT: 16.66 min Scan# 2579

Delta R.T. -0.01 min

Lab File: BF096196.D

Acq: 24 Jun 2017 18:20

Instrument :

BNA_F

ClientSampleId :

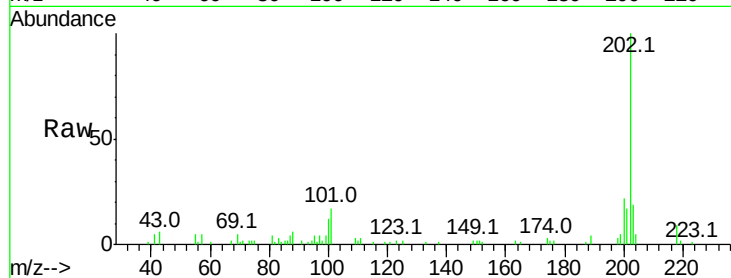
Tot Ion:202 Resp: 34125

Ion Ratio Lower Upper

202 100

200 22.0 17.6 26.4

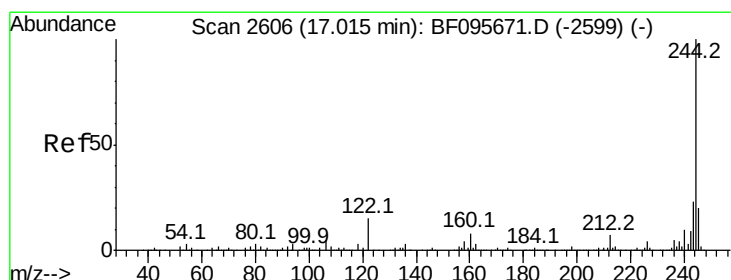
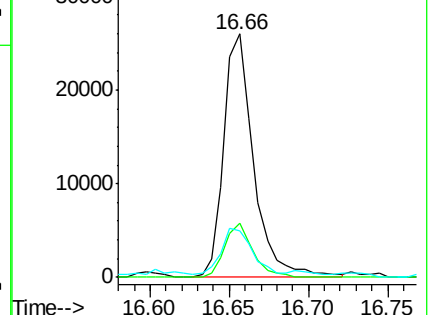
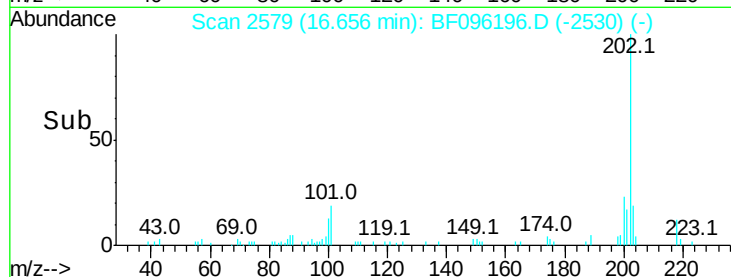
203 18.8 14.4 21.6



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: 11.20 ng

RT: 16.90 min Scan# 2620

Delta R.T. -0.03 min

Lab File: BF096196.D

Acq: 24 Jun 2017 18:20

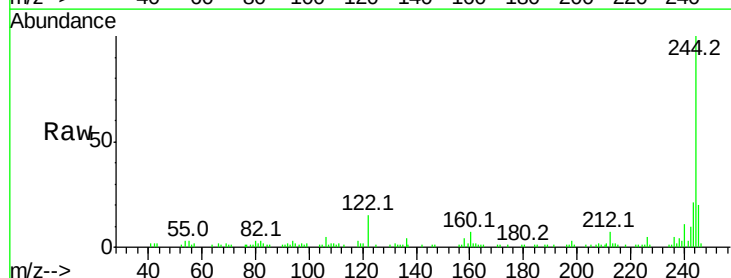
Tgt Ion:244 Resp: 62697

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

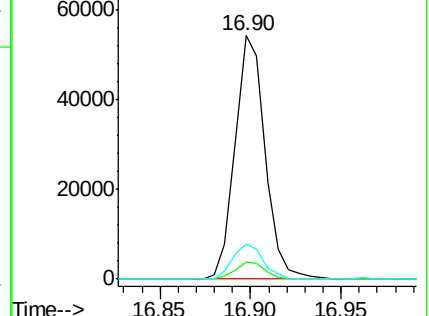
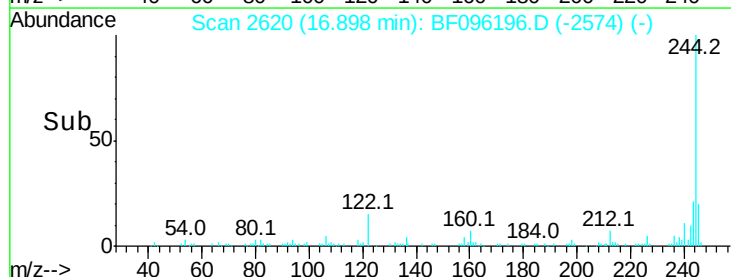
122 14.6 10.3 15.5

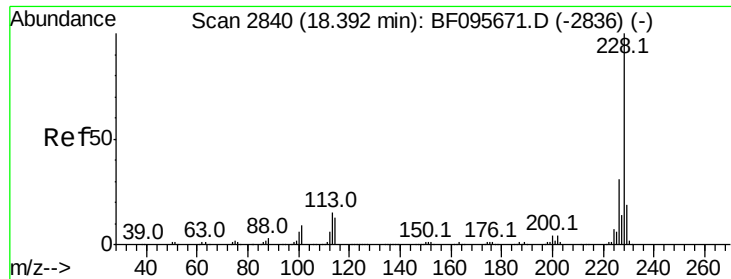


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#82

Chrysene

Concen: 2.46 ng

RT: 18.29 min Scan# 2857

Delta R.T. -0.02 min

Lab File: BF096196.D

Acq: 24 Jun 2017 18:20

Instrument :

BNA_F

ClientSampleId :

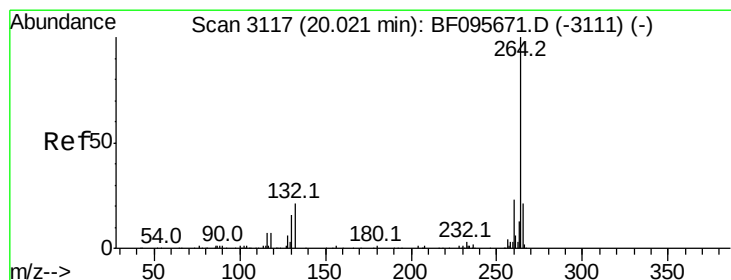
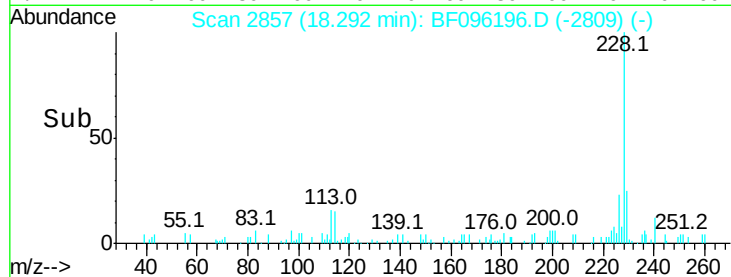
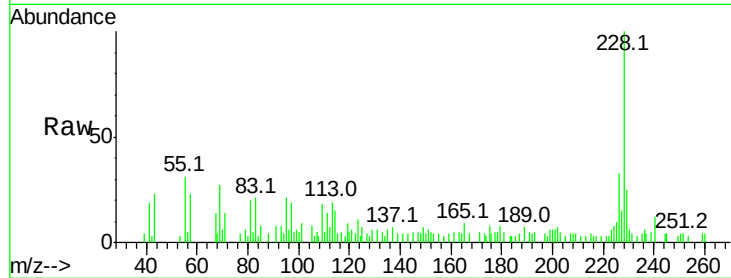
Tot Ion:228 Resp: 19877

Ion Ratio Lower Upper

228 100

226 33.1 24.9 37.3

229 24.7 15.8 23.6#



#86

Perylene-d12

Concen: 20.00 ng

RT: 19.93 min Scan# 3136

Delta R.T. -0.01 min

Lab File: BF096196.D

Acq: 24 Jun 2017 18:20

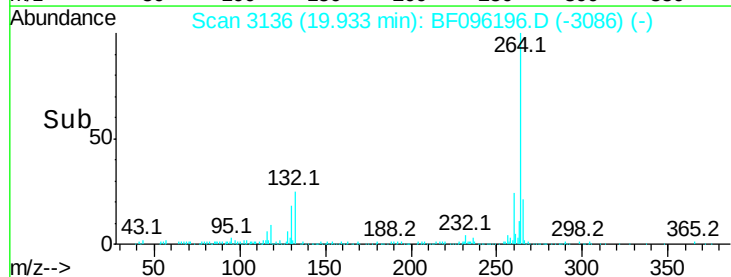
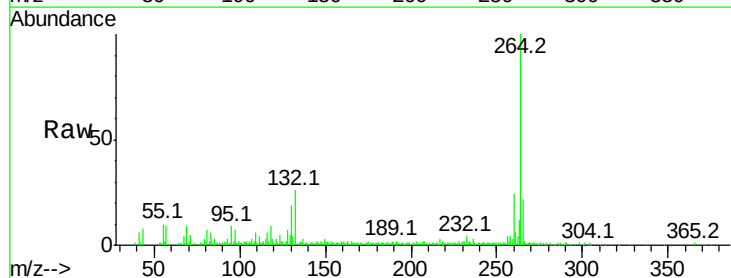
Tgt Ion:264 Resp: 99163

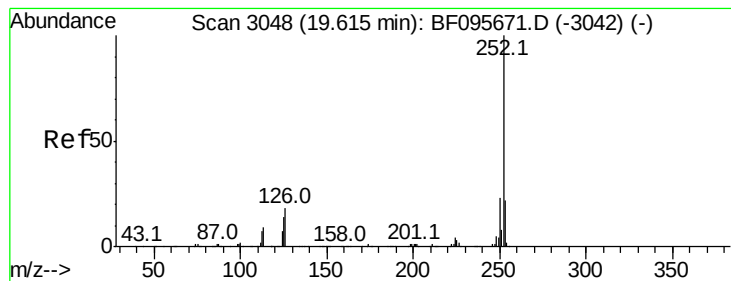
Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

265 22.0 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 4.48 ng

RT: 19.53 min Scan# 3068

Delta R.T. -0.01 min

Lab File: BF096196.D

Acq: 24 Jun 2017 18:20

Instrument :

BNA_F

ClientSampleId :

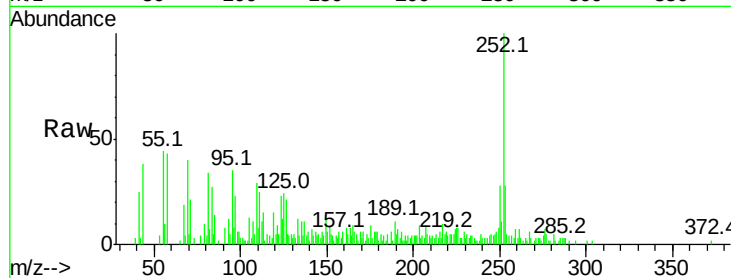
Tot Ion:252 Resp: 27792

Ion Ratio Lower Upper

252 100

253 27.9 18.1 27.1#

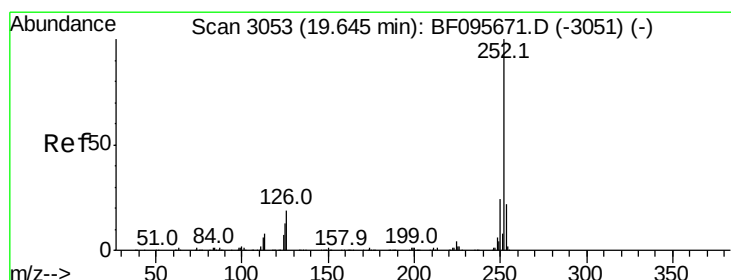
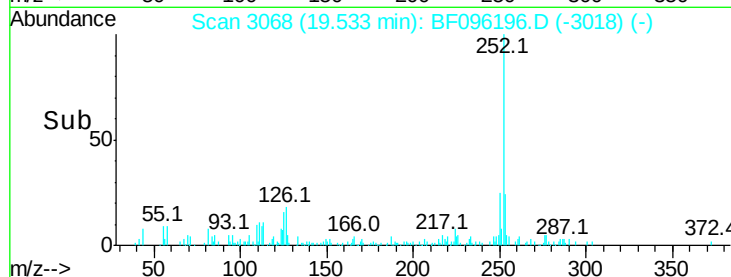
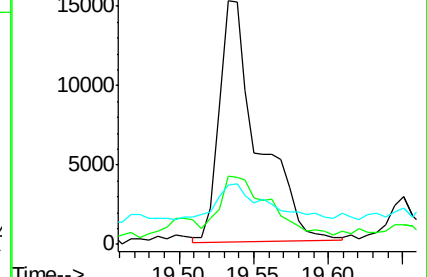
125 24.4 9.8 14.8#



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: 4.68 ng

RT: 19.53 min Scan# 3068

Delta R.T. -0.04 min

Lab File: BF096196.D

Acq: 24 Jun 2017 18:20

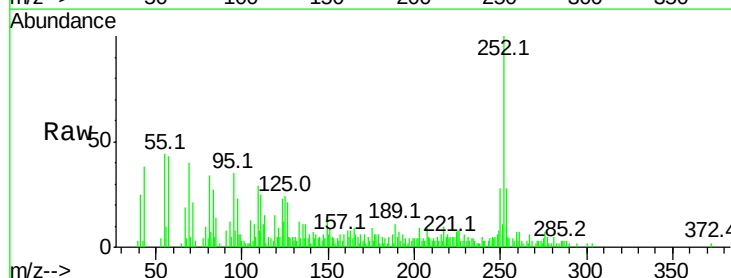
Tgt Ion:252 Resp: 27792

Ion Ratio Lower Upper

252 100

253 27.9 18.4 27.6#

125 24.4 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

