

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
 Data File : BF096199.D
 Acq On : 24 Jun 2017 19:58
 Operator : SJ/MA
 Sample : I3852-03 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 26 01:24:51 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

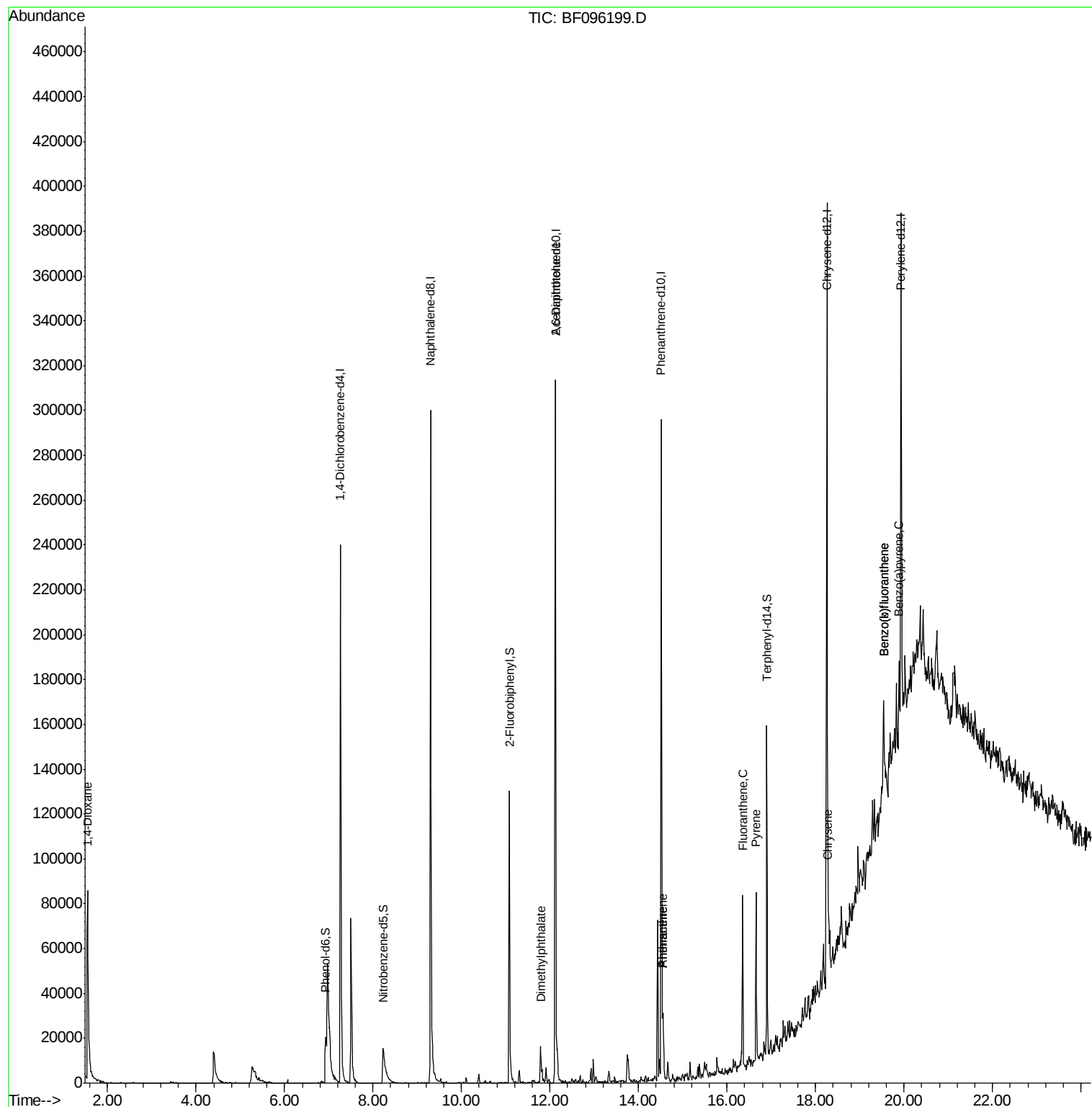
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.26	152	62977	20.00	ng	-0.03
21) Naphthalene-d8	9.30	136	245655	20.00	ng	-0.03
38) Acenaphthene-d10	12.12	164	98639	20.00	ng	-0.04
63) Phenanthrene-d10	14.52	188	166797	20.00	ng	-0.02
75) Chrysene-d12	18.26	240	138226	20.00	ng	-0.02
86) Perylene-d12	19.93	264	99845	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	4082	1.03	ng	0.08
7) Phenol-d6	6.93	99	41672	8.81	ng	0.05
23) Nitrobenzene-d5	8.23	82	23316	5.89	ng	0.00
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	11.08	172	69882	9.86	ng	-0.03
78) Terphenyl-d14	16.90	244	55742	10.01	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	1.55	88	4206	2.24	ng	# 29
49) Dimethylphthalate	11.79	163	17028	2.27	ng	# 98
50) 2,6-Dinitrotoluene	12.12	165	12176	7.45	ng	# 31
70) Phenanthrene	14.56	178	21222	2.21	ng	97
71) Anthracene	14.56	178	21222	2.11	ng	98
74) Fluoranthene	16.35	202	43669	4.58	ng	97
77) Pyrene	16.66	202	40839	3.96	ng	99
82) Chrysene	18.29	228	17091	2.13	ng	# 90
87) Benzo(b)fluoranthene	19.53	252	25519	4.08	ng	# 80
88) Benzo(k)fluoranthene	19.53	252	25519	4.27	ng	# 85
89) Benzo(a)pyrene	19.89	252	13863	2.41	ng	# 82

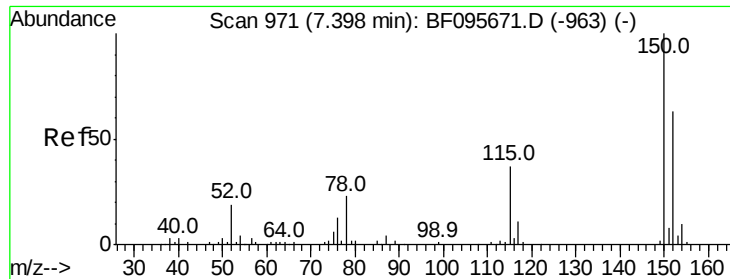
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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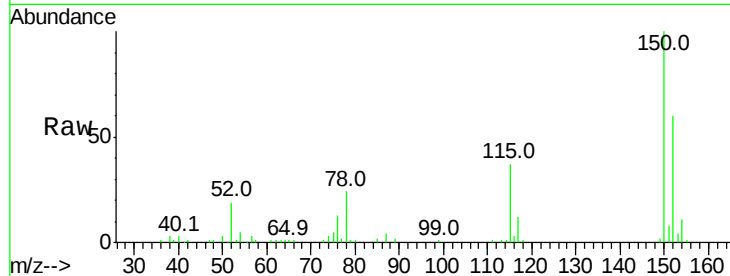


#1

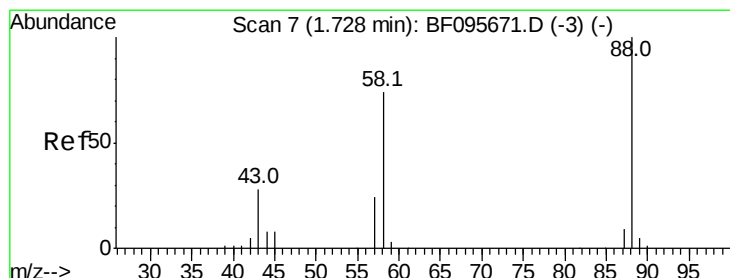
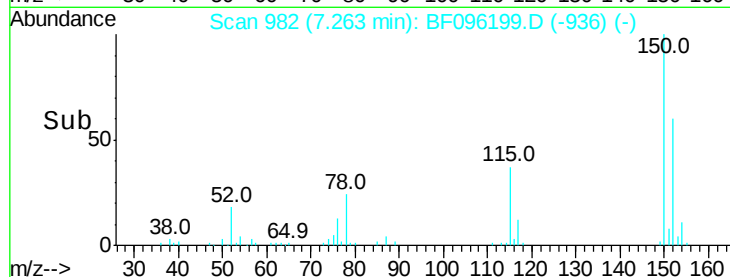
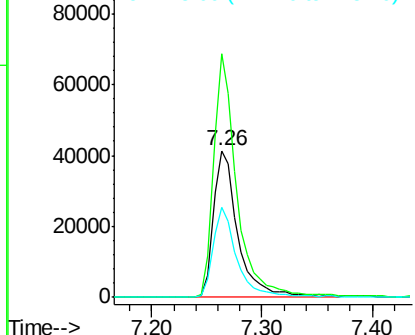
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.26 min Scan# 982
Delta R.T. -0.03 min
Lab File: BF096199.D
Acq: 24 Jun 2017 19:58

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 62977
Ion Ratio Lower Upper
152 100
150 166.4 126.2 189.2
115 61.5 52.2 78.2



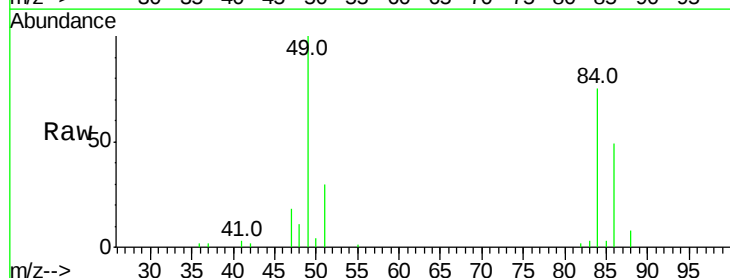
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



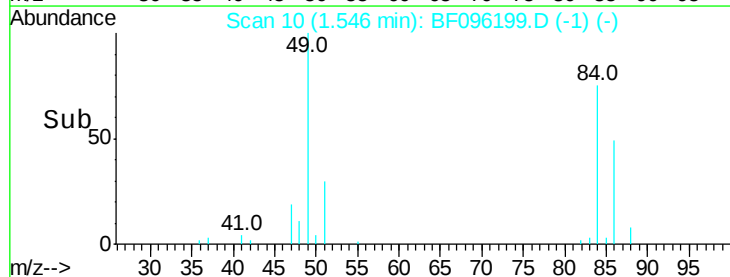
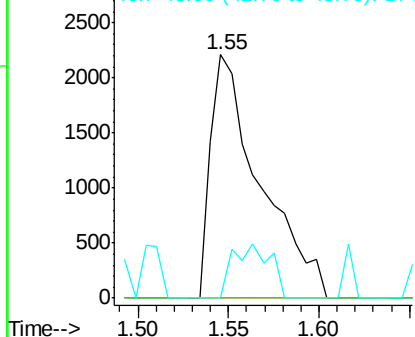
#2

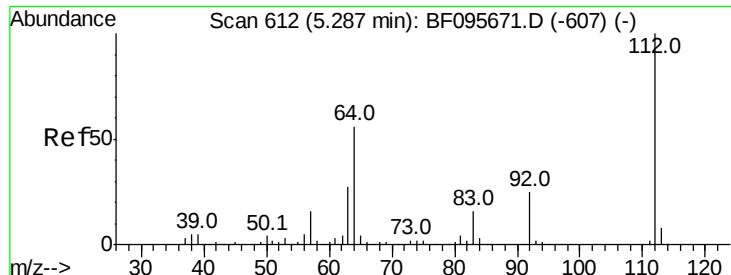
1,4-Dioxane
Concen: 2.24 ng
RT: 1.55 min Scan# 10
Delta R.T. -0.06 min
Lab File: BF096199.D
Acq: 24 Jun 2017 19:58

Tgt Ion: 88 Resp: 4206
Ion Ratio Lower Upper
88 100
58 0.0 61.4 92.0#
43 17.0 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: 1.03 ng

RT: 5.26 min Scan# 641

Delta R.T. 0.08 min

Lab File: BF096199.D

Acq: 24 Jun 2017 19:58

Instrument :

BNA_F

ClientSampleId :

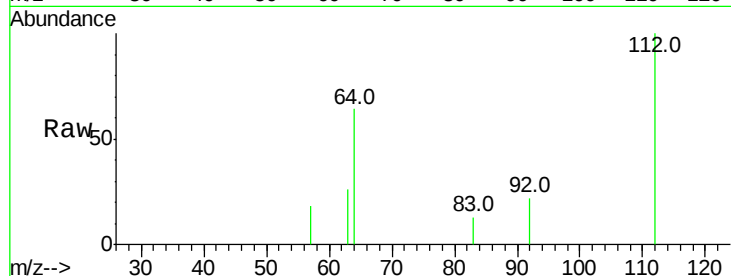
Tot Ion: 112 Resp: 4082

Ion Ratio Lower Upper

112 100

64 64.0 46.0 69.0

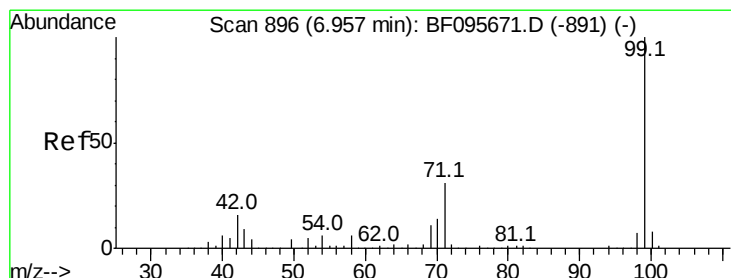
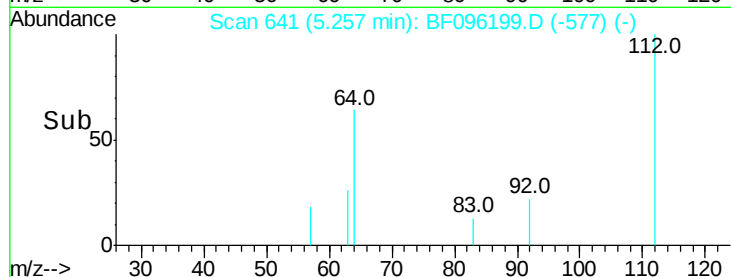
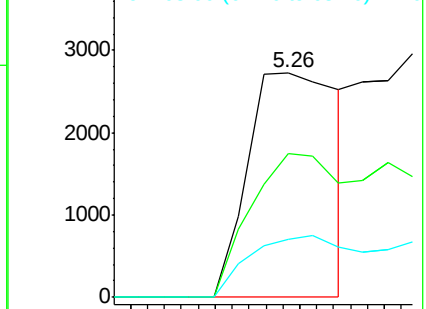
63 25.8 23.4 35.0



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: 8.81 ng

RT: 6.93 min Scan# 925

Delta R.T. 0.05 min

Lab File: BF096199.D

Acq: 24 Jun 2017 19:58

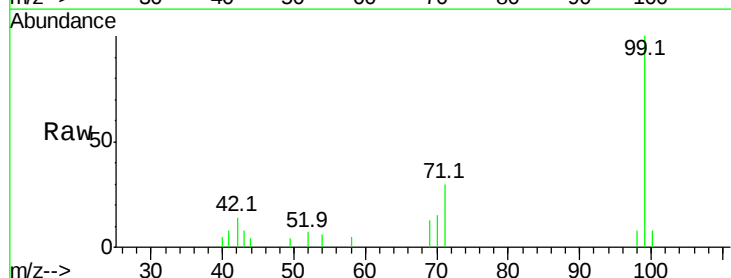
Tgt Ion: 99 Resp: 41672

Ion Ratio Lower Upper

99 100

42 14.0 13.5 20.3

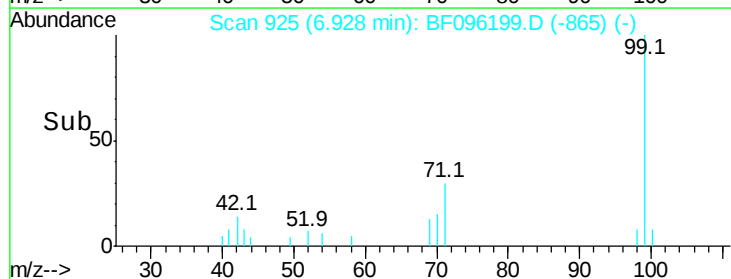
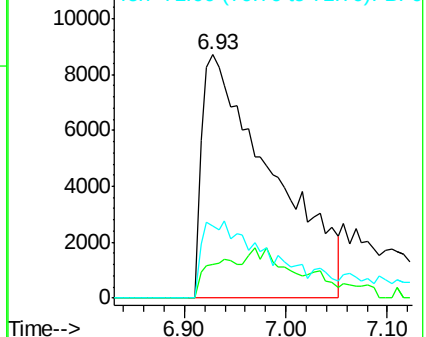
71 29.8 24.5 36.7



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

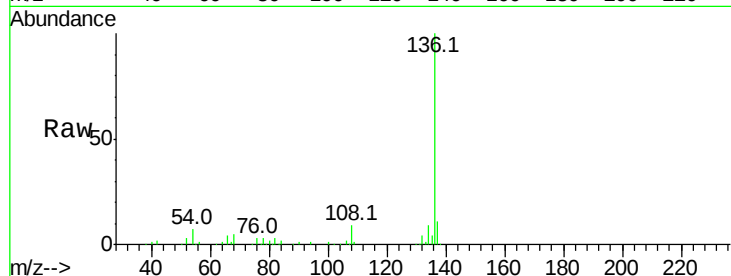




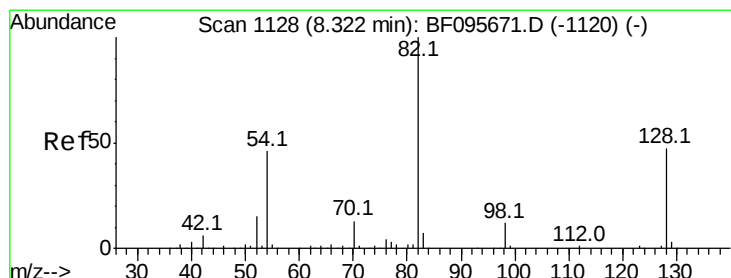
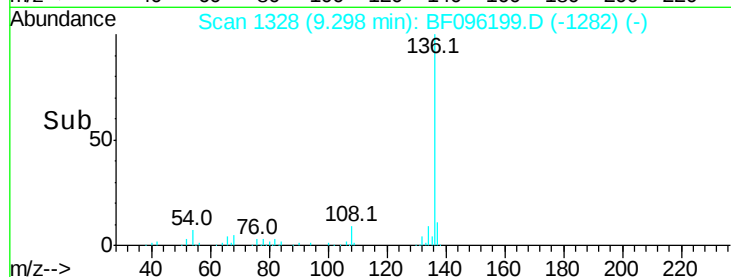
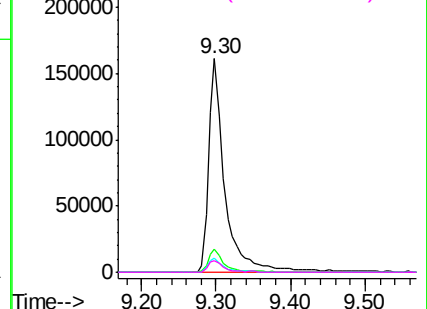
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.30 min Scan# 1328
Delta R.T. -0.03 min
Lab File: BF096199.D
Acq: 24 Jun 2017 19:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	245655
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.5 12.7
54	6.6	4.9 7.3
68	5.5	4.1 6.1

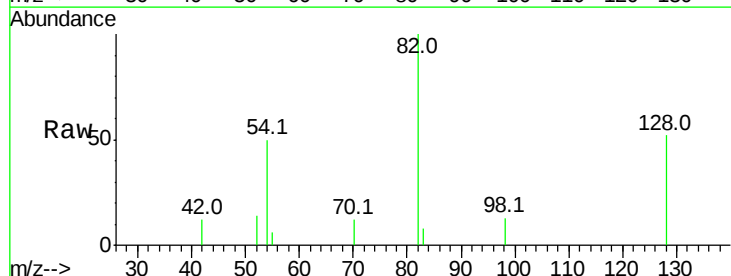


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

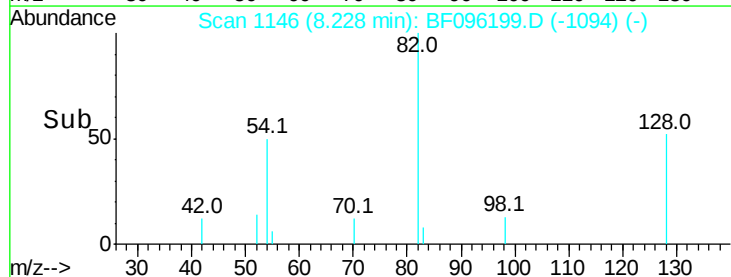
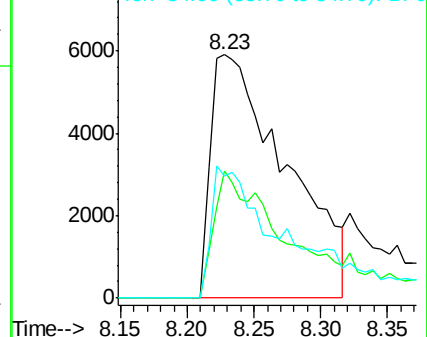


#23
Nitrobenzene-d5
Concen: 5.89 ng
RT: 8.23 min Scan# 1146
Delta R.T. 0.01 min
Lab File: BF096199.D
Acq: 24 Jun 2017 19:58

Tgt Ion: 82	Resp:	23316
Ion Ratio	Lower	Upper
82	100	
128	52.0	34.0 51.0#
54	49.9	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: BF096199.D

Acq: 24 Jun 2017 19:58

Instrument :

BNA_F

ClientSampleId :

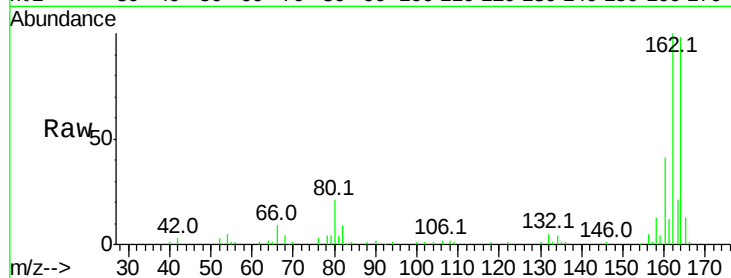
Tot Ion:164 Resp: 98639

Ion Ratio Lower Upper

164 100

162 102.3 82.6 123.8

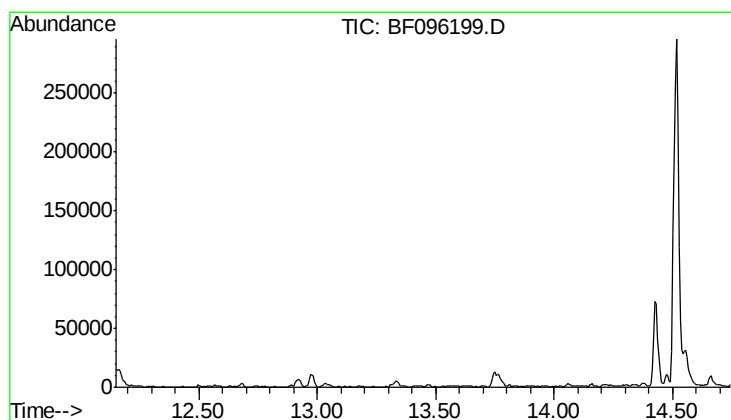
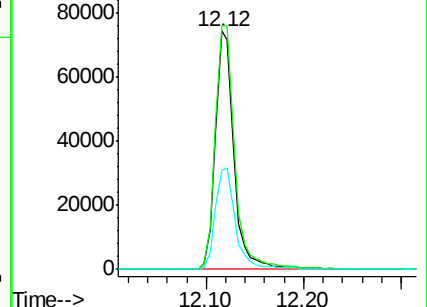
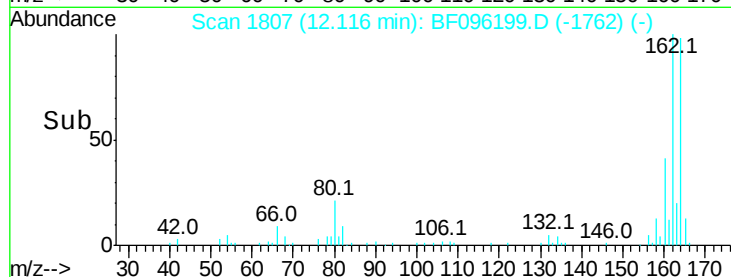
160 41.5 36.2 54.2



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: 0.00 ng

Expected RT: 13.45 min

Lab File: BF096199.D

Acq: 24 Jun 2017 19:58

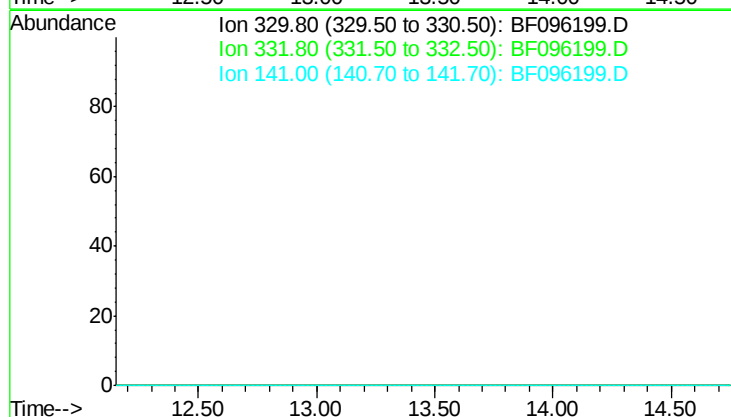
Tgt Ion: 330

Sig Exp Ratio

330 100

332 95.8

141 39.3

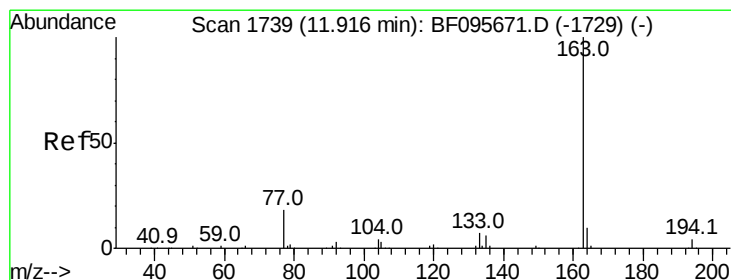
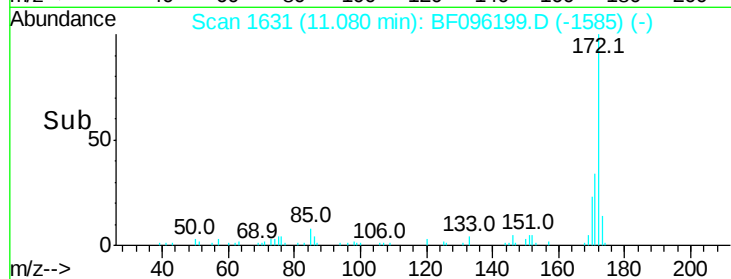
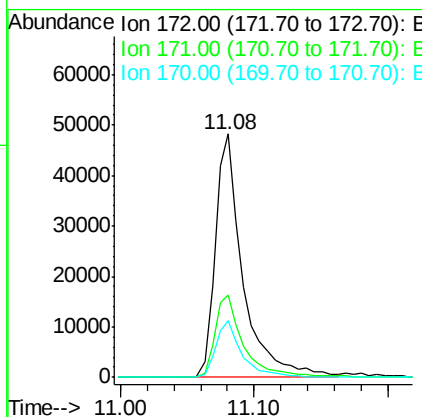
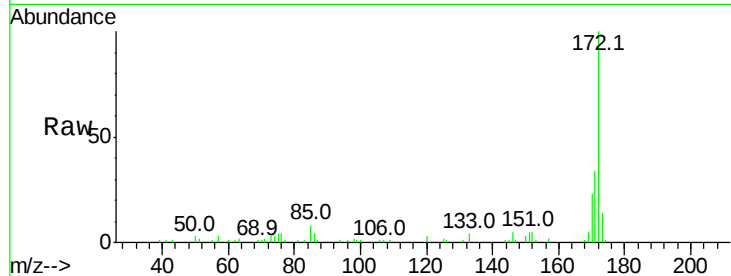




#44
2-Fluorobiphenyl
Concen: 9.86 ng
RT: 11.08 min Scan# 1631
Delta R.T. -0.03 min
Lab File: BF096199.D
Acq: 24 Jun 2017 19:58

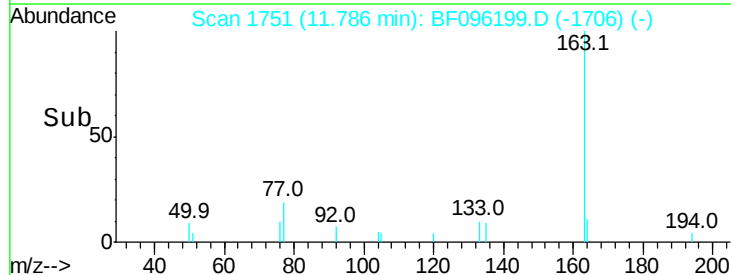
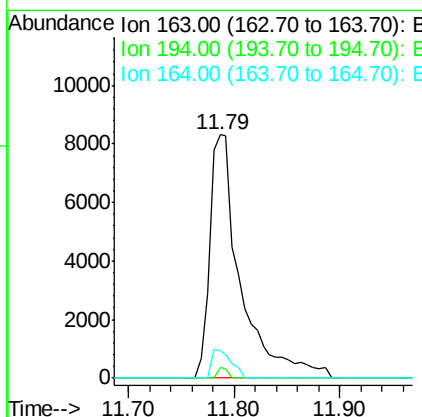
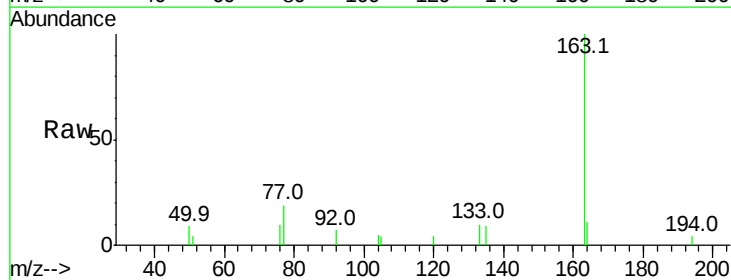
Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 69882
Ion Ratio Lower Upper
172 100
171 33.7 29.6 44.4
170 23.3 19.8 29.8



#49
Dimethylphthalate
Concen: 2.27 ng
RT: 11.79 min Scan# 1751
Delta R.T. -0.04 min
Lab File: BF096199.D
Acq: 24 Jun 2017 19:58

Tgt Ion:163 Resp: 17028
Ion Ratio Lower Upper
163 100
194 4.5 2.6 4.0#
164 11.3 8.4 12.6

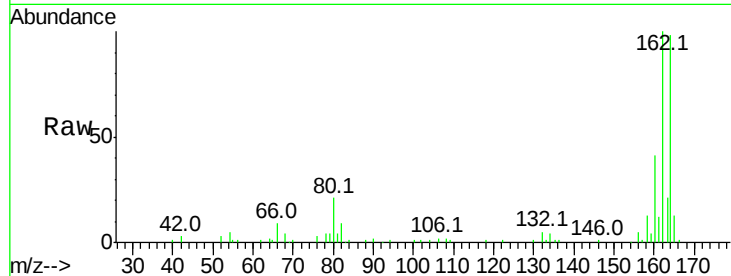




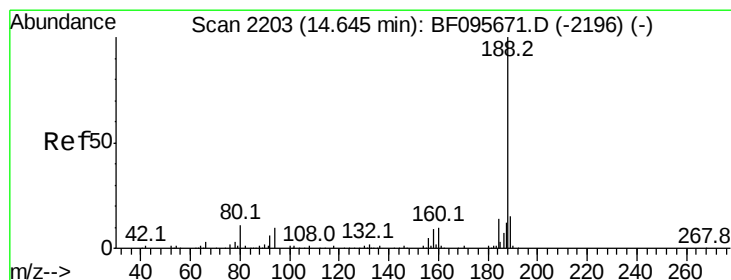
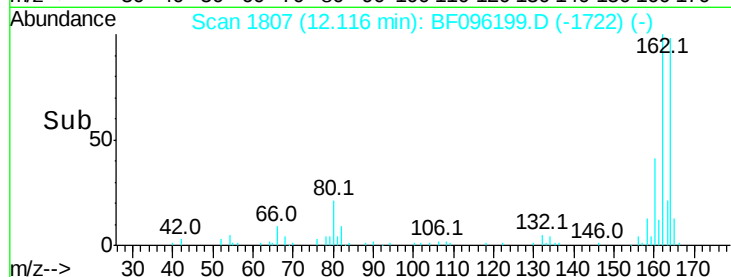
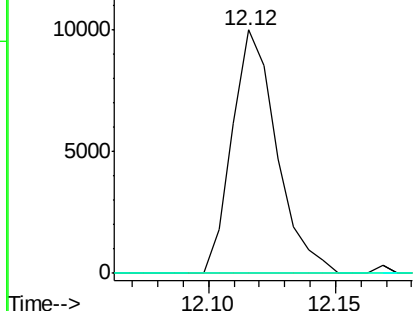
#50
2,6-Dinitrotoluene
Concen: 7.45 ng
RT: 12.12 min Scan# 1807
Delta R.T. 0.20 min
Lab File: BF096199.D
Acq: 24 Jun 2017 19:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 12176
Ion Ratio Lower Upper
165 100
63 0.0 34.3 51.5#
89 0.0 37.1 55.7#

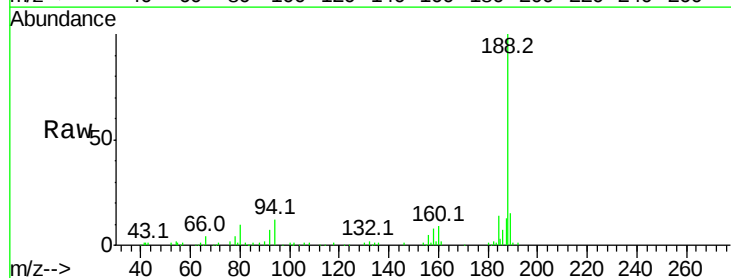


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

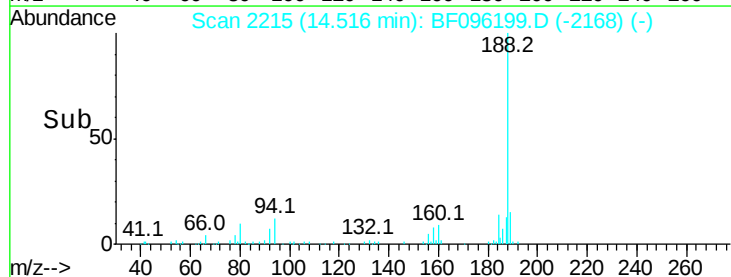
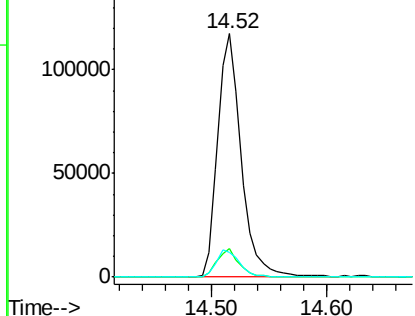


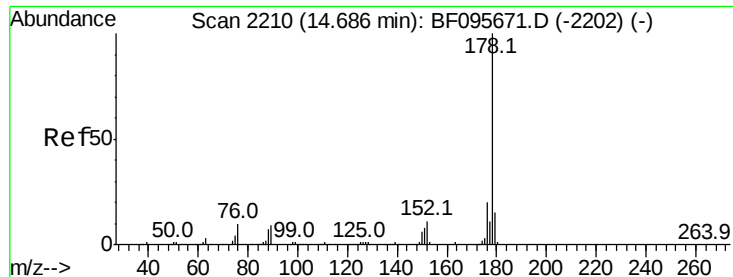
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.52 min Scan# 2215
Delta R.T. -0.02 min
Lab File: BF096199.D
Acq: 24 Jun 2017 19:58

Tgt Ion:188 Resp: 166797
Ion Ratio Lower Upper
188 100
94 11.7 9.4 14.2
80 10.2 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

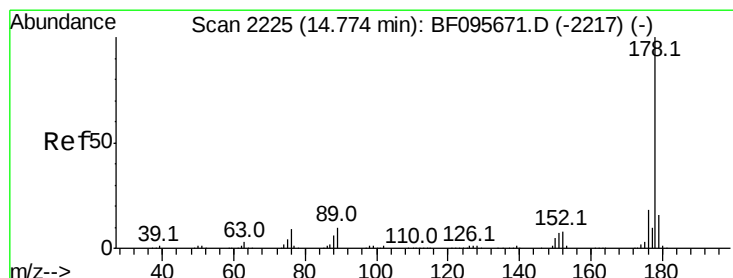
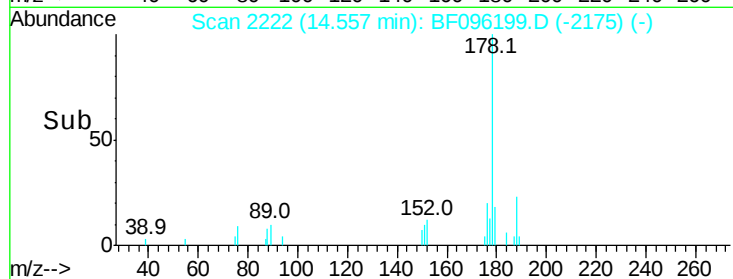
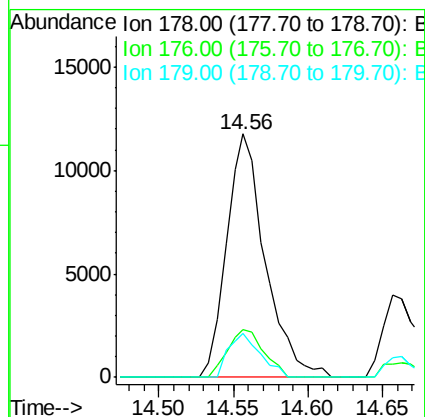
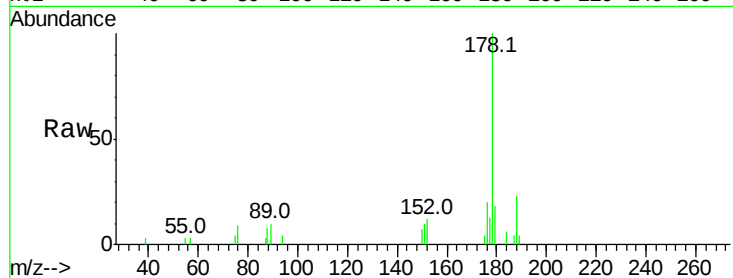




#70
 Phenanthrene
 Concen: 2.21 ng
 RT: 14.56 min Scan# 2222
 Delta R.T. -0.02 min
 Lab File: BF096199.D
 Acq: 24 Jun 2017 19:58

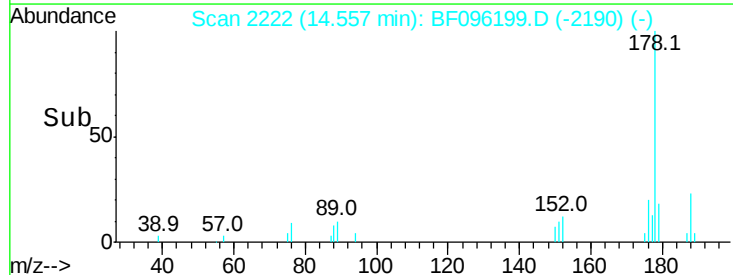
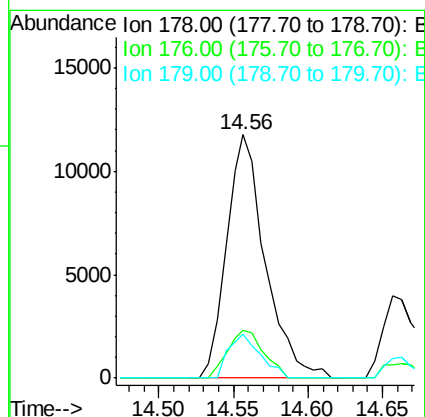
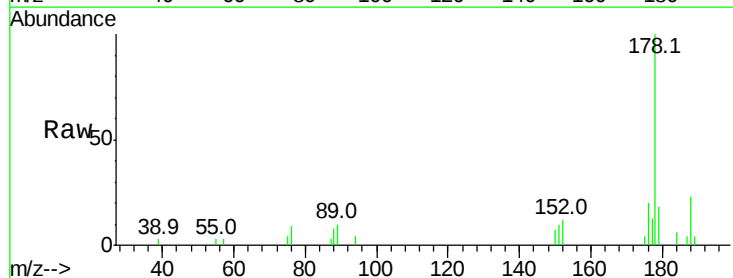
Instrument :
 BNA_F
 ClientSampleId :

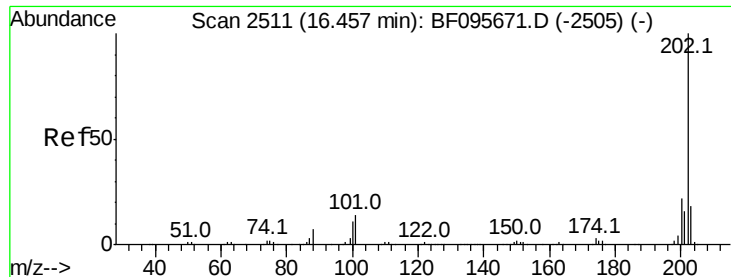
Tot Ion:178 Resp: 21222
 Ion Ratio Lower Upper
 178 100
 176 19.6 16.2 24.4
 179 17.8 12.6 19.0



#71
 Anthracene
 Concen: 2.11 ng
 RT: 14.56 min Scan# 2222
 Delta R.T. -0.11 min
 Lab File: BF096199.D
 Acq: 24 Jun 2017 19:58

Tgt Ion:178 Resp: 21222
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.8 23.8
 179 17.8 12.7 19.1

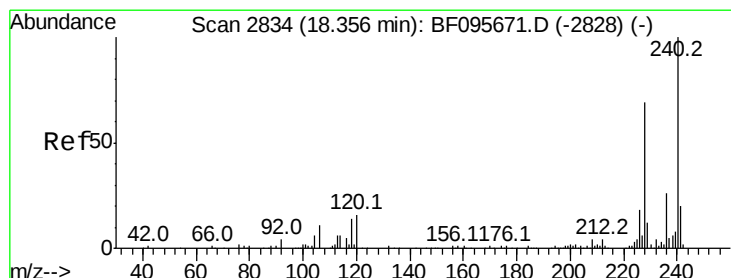
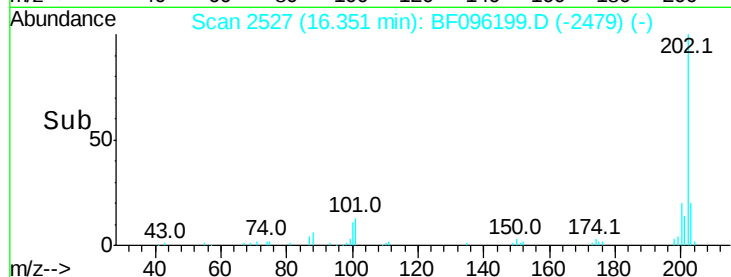
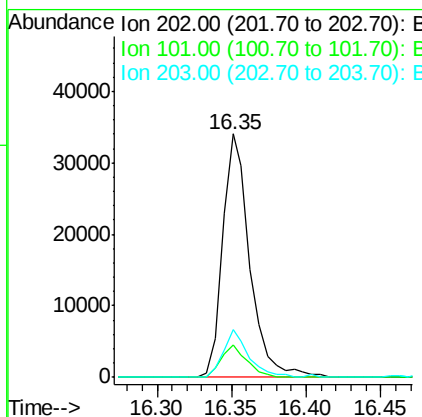
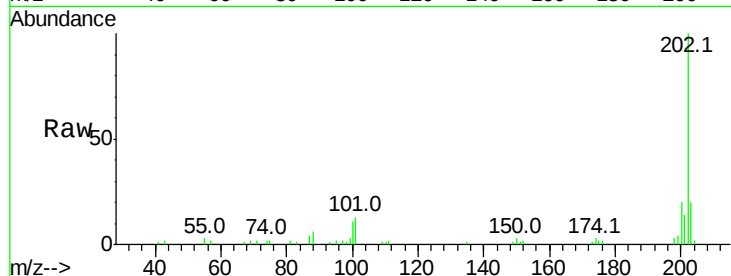




#74
 Fluoranthene
 Concen: 4.58 ng
 RT: 16.35 min Scan# 2527
 Delta R.T. -0.02 min
 Lab File: BF096199.D
 Acq: 24 Jun 2017 19:58

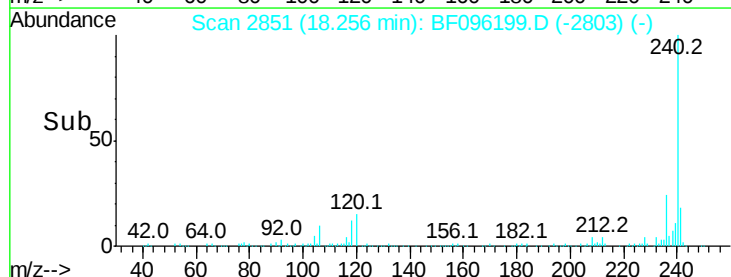
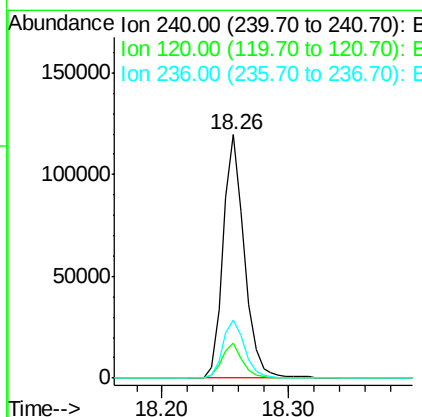
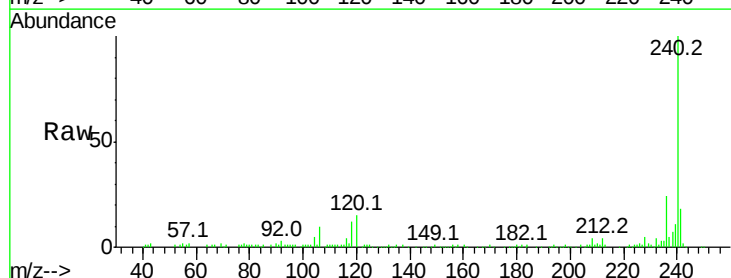
Instrument :
 BNA_F
 ClientSampleId :

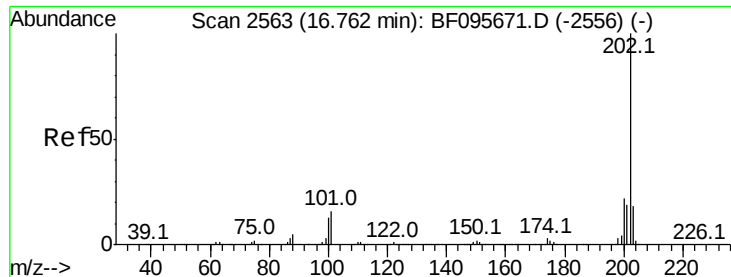
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	33.2
203	19.8	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.26 min Scan# 2851
 Delta R.T. -0.02 min
 Lab File: BF096199.D
 Acq: 24 Jun 2017 19:58

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.6	5.8	8.8#
236	23.9	20.5	30.7





#77

Pvrene

Concen: 3.96 ng

RT: 16.66 min Scan# 2579

Delta R.T. -0.01 min

Lab File: BF096199.D

Acq: 24 Jun 2017 19:58

Instrument :

BNA_F

ClientSampleId :

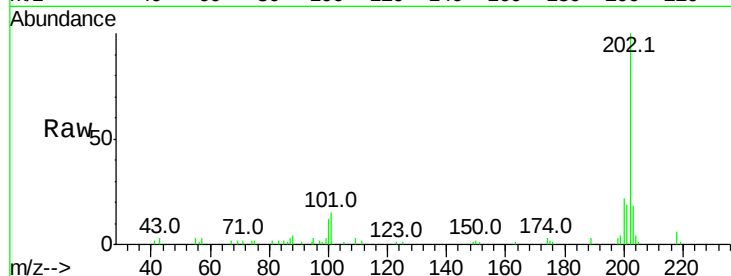
Tot Ion:202 Resp: 40839

Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

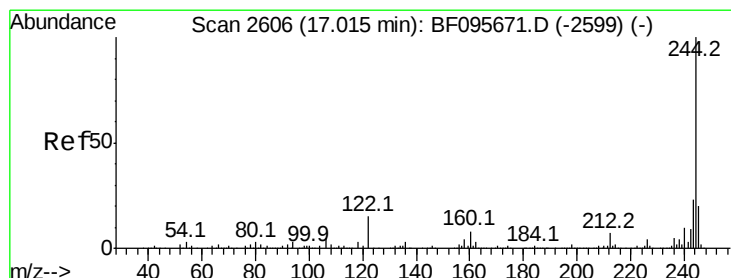
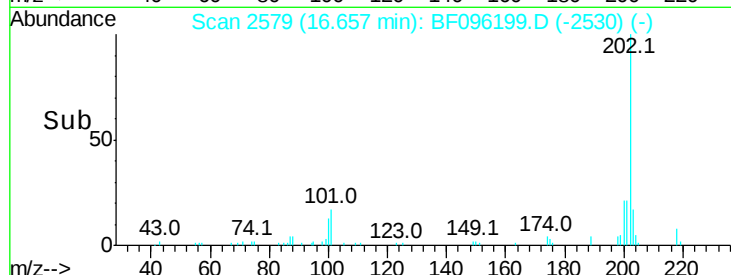
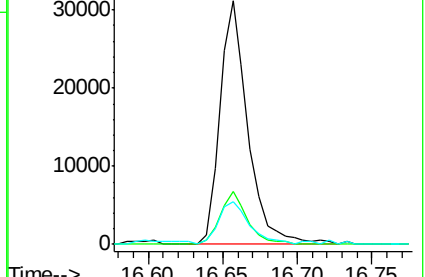
203 17.6 14.4 21.6



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: 10.01 ng

RT: 16.90 min Scan# 2620

Delta R.T. -0.03 min

Lab File: BF096199.D

Acq: 24 Jun 2017 19:58

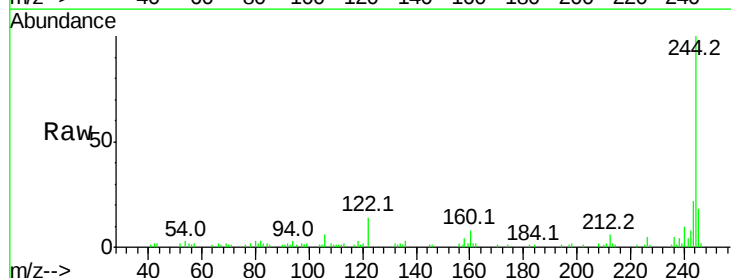
Tgt Ion:244 Resp: 55742

Ion Ratio Lower Upper

244 100

212 6.1 6.0 9.0

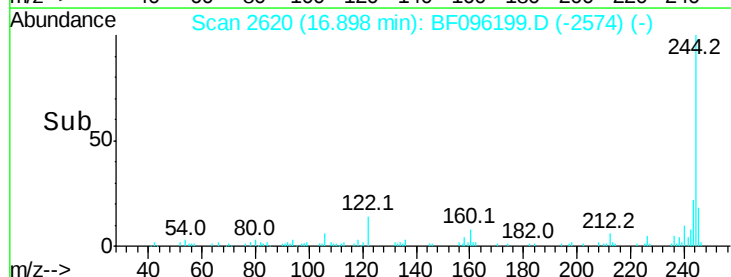
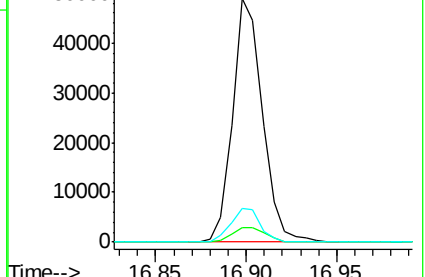
122 14.0 10.3 15.5

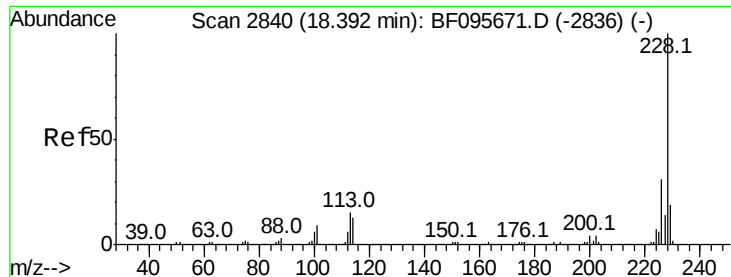


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#82

Chrysene

Concen: 2.13 ng

RT: 18.29 min Scan# 2857

Delta R.T. -0.02 min

Lab File: BF096199.D

Acq: 24 Jun 2017 19:58

Instrument :

BNA_F

ClientSampleId :

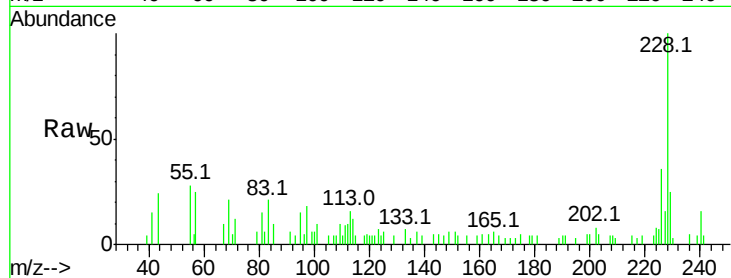
Tot Ion:228 Resp: 17091

Ion Ratio Lower Upper

228 100

226 36.1 24.9 37.3

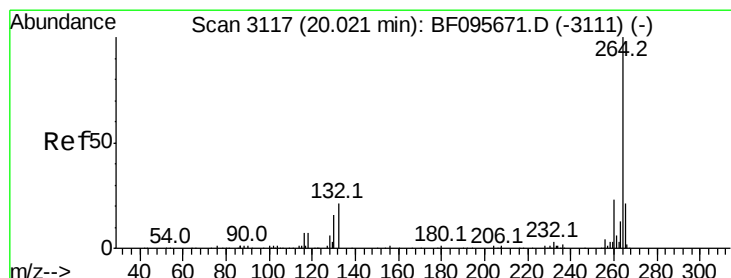
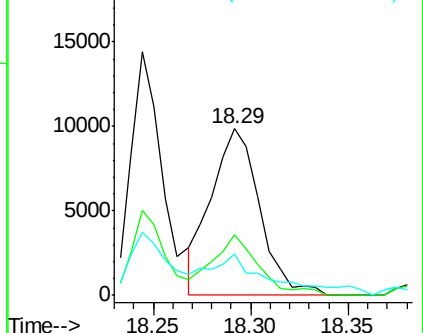
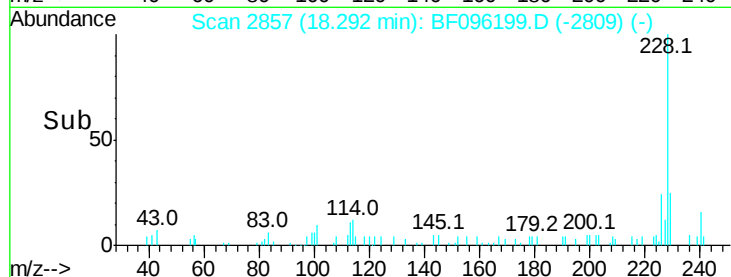
229 24.8 15.8 23.6#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 19.93 min Scan# 3136

Delta R.T. -0.01 min

Lab File: BF096199.D

Acq: 24 Jun 2017 19:58

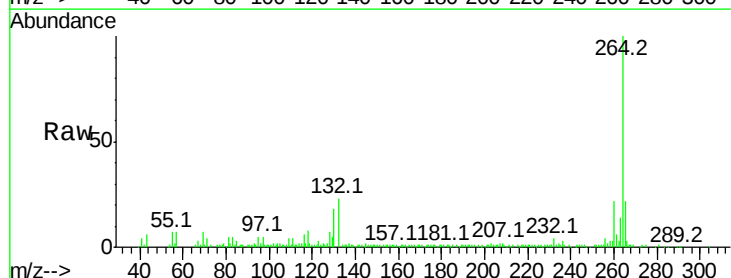
Tgt Ion:264 Resp: 99845

Ion Ratio Lower Upper

264 100

260 22.1 19.5 29.3

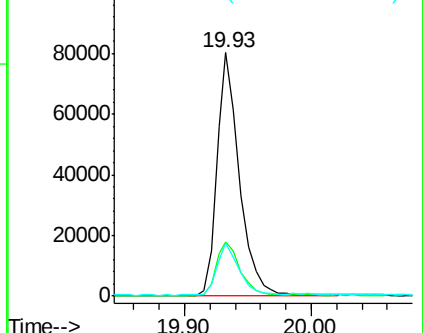
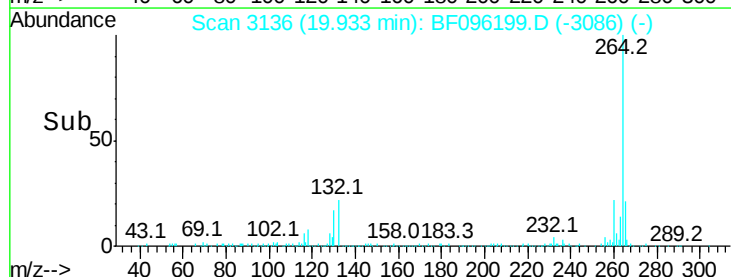
265 21.7 17.2 25.8

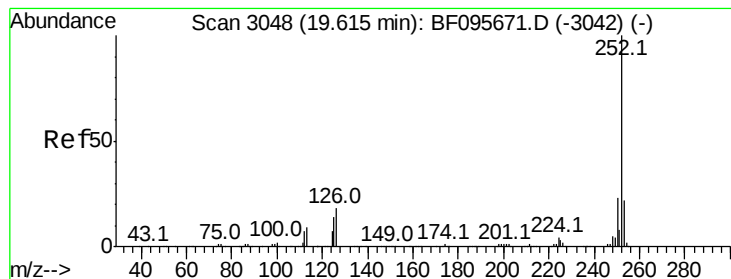


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.08 ng

RT: 19.53 min Scan# 3068

Delta R.T. -0.01 min

Lab File: BF096199.D

Acq: 24 Jun 2017 19:58

Instrument :

BNA_F

ClientSampleId :

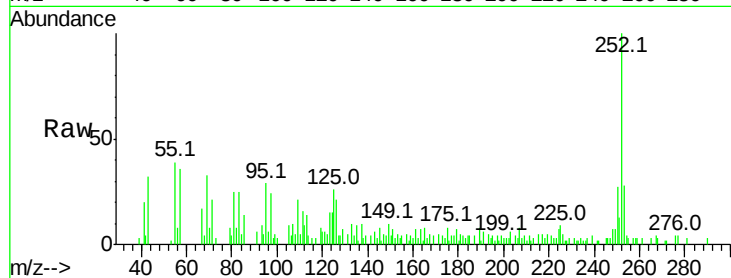
Tot Ion:252 Resp: 25519

Ion Ratio Lower Upper

252 100

253 28.2 18.1 27.1#

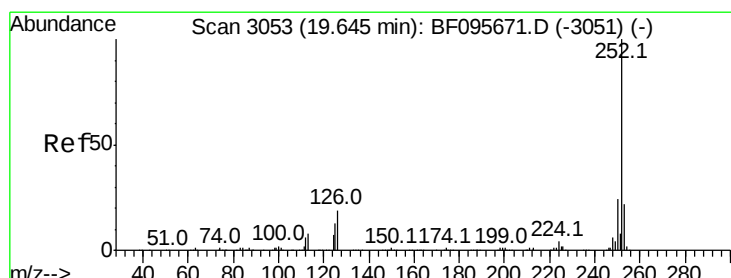
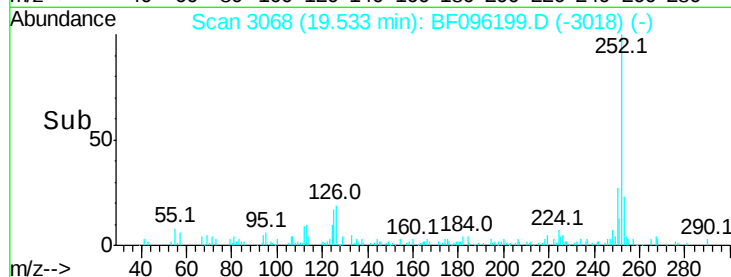
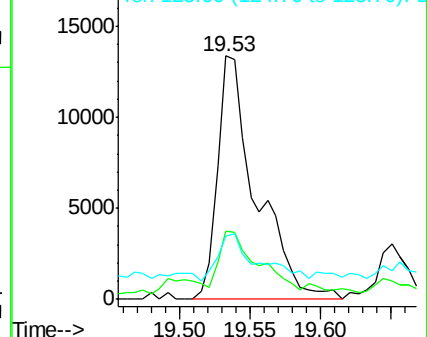
125 25.9 9.8 14.8#



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: 4.27 ng

RT: 19.53 min Scan# 3068

Delta R.T. -0.04 min

Lab File: BF096199.D

Acq: 24 Jun 2017 19:58

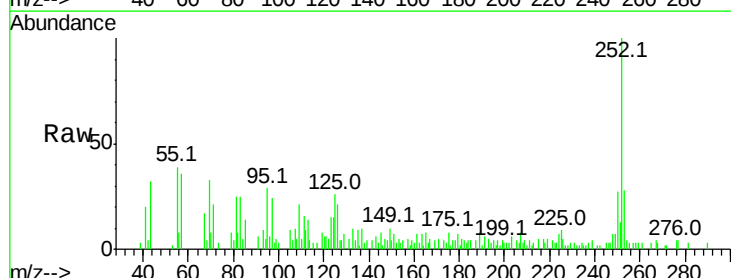
Tgt Ion:252 Resp: 25519

Ion Ratio Lower Upper

252 100

253 28.2 18.4 27.6#

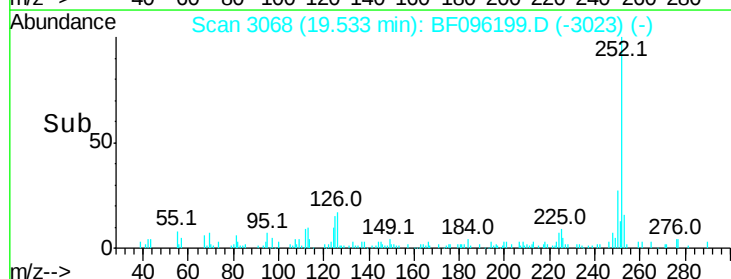
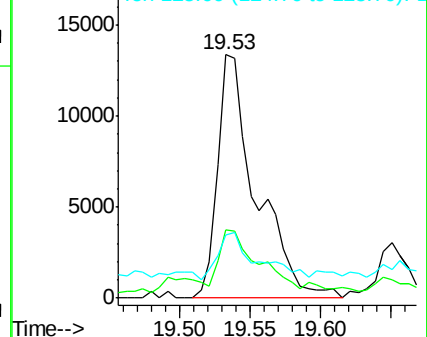
125 25.9 13.1 19.7#

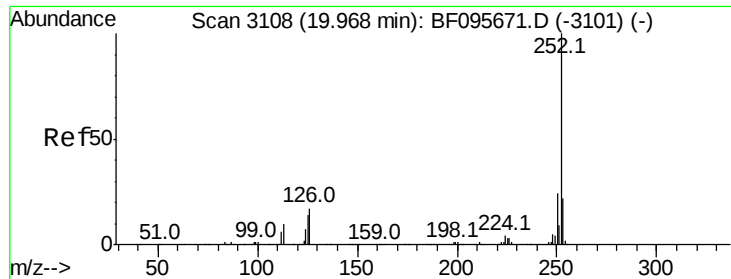


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.41 ng

RT: 19.89 min Scan# 3128

Delta R.T. 0.00 min

Lab File: BF096199.D

Acq: 24 Jun 2017 19:58

Instrument :

BNA_F

ClientSampleId :

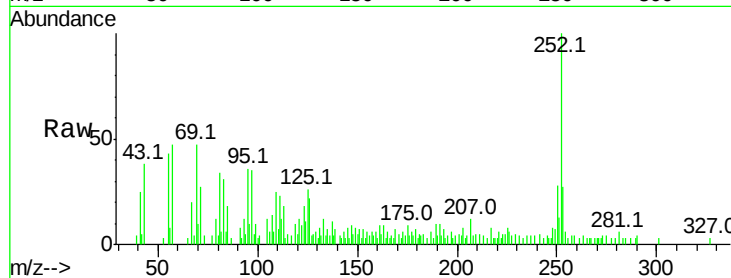
Tot Ion:252 Resp: 13863

Ion Ratio Lower Upper

252 100

253 26.8 17.5 26.3#

125 26.4 11.0 16.4#



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

