

Data File : BF096951.D
Acq On : 21 Jul 2017 18:34
Operator : SJ/JU
Sample : I4302-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-7D1213

Quant Time: Jul 21 23:13:38 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 18 13:33:22 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	117759	20.00	ng	-0.05
21) Naphthalene-d8	7.83	136	481486	20.00	ng	-0.05
38) Acenaphthene-d10	9.58	164	196376	20.00	ng	-0.05
63) Phenanthrene-d10	11.06	188	272672	20.00	ng	-0.05
75) Chrysene-d12	13.71	240	181749	20.00	ng	-0.02
86) Perylene-d12	15.07	264	165685	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	676345	86.36	ng	-0.05
7) Phenol-d6	6.21	99	801609	85.29	ng	-0.04
23) Nitrobenzene-d5	7.12	82	484409	62.32	ng	-0.05
41) 2,4,6-Tribromophenol	10.37	330	129247	77.11	ng	-0.05
44) 2-Fluorobiphenyl	8.92	172	664081	53.43	ng	-0.05
78) Terphenyl-d14	12.66	244	175746	16.77	ng	-0.04

Target Compounds						Qvalue
6) Aniline	6.20	93	53493	4.62	ng	# 91
9) Benzaldehyde	6.20	77	22633	4.17	ng	# 4
10) Phenol	6.22	94	54773	5.16	ng	94
11) bis(2-Chloroethyl)ether	6.25	93	279873	35.03	ng	# 23
15) Benzyl Alcohol	6.70	79	26617	4.33	ng	# 11
19) n-Nitroso-di-n-propylamine	7.12	70	64969	11.47	ng	# 87
25) Isophorone	7.12	82	477933	33.05	ng	# 67
49) Dimethylphthalate	9.31	163	120484	8.15	ng	100
50) 2,6-Dinitrotoluene	9.32	165	7265	2.27	ng	# 64
52) 3-Nitroaniline	9.47	138	126988	33.47	ng	# 6
60) 4-Chlorophenyl-phenylether	10.13	204	232	Below Cal		# 23
66) 4-Bromophenyl-phenylether	10.37	248	8096	2.91	ng	# 1
70) Phenanthrene	11.08	178	51093	3.45	ng	97
71) Anthracene	11.08	178	51093	3.41	ng	97
74) Fluoranthene	12.27	202	51029	3.60	ng	97
77) Pyrene	12.51	202	44236	2.68	ng	98
85) Indeno(1,2,3-cd)pyrene	16.33	276	7262	4.01	ng	# 63
87) Benzo(b)fluoranthene	14.70	252	20708	2.07	ng	# 40
88) Benzo(k)fluoranthene	14.70	252	21417	2.26	ng	# 44

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

Data File : BF096951.D

Acq On : 21 Jul 2017 18:34

Operator : SJ/JU

Sample : I4302-04

Misc :

ALS Vial : 16 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SB-7D1213

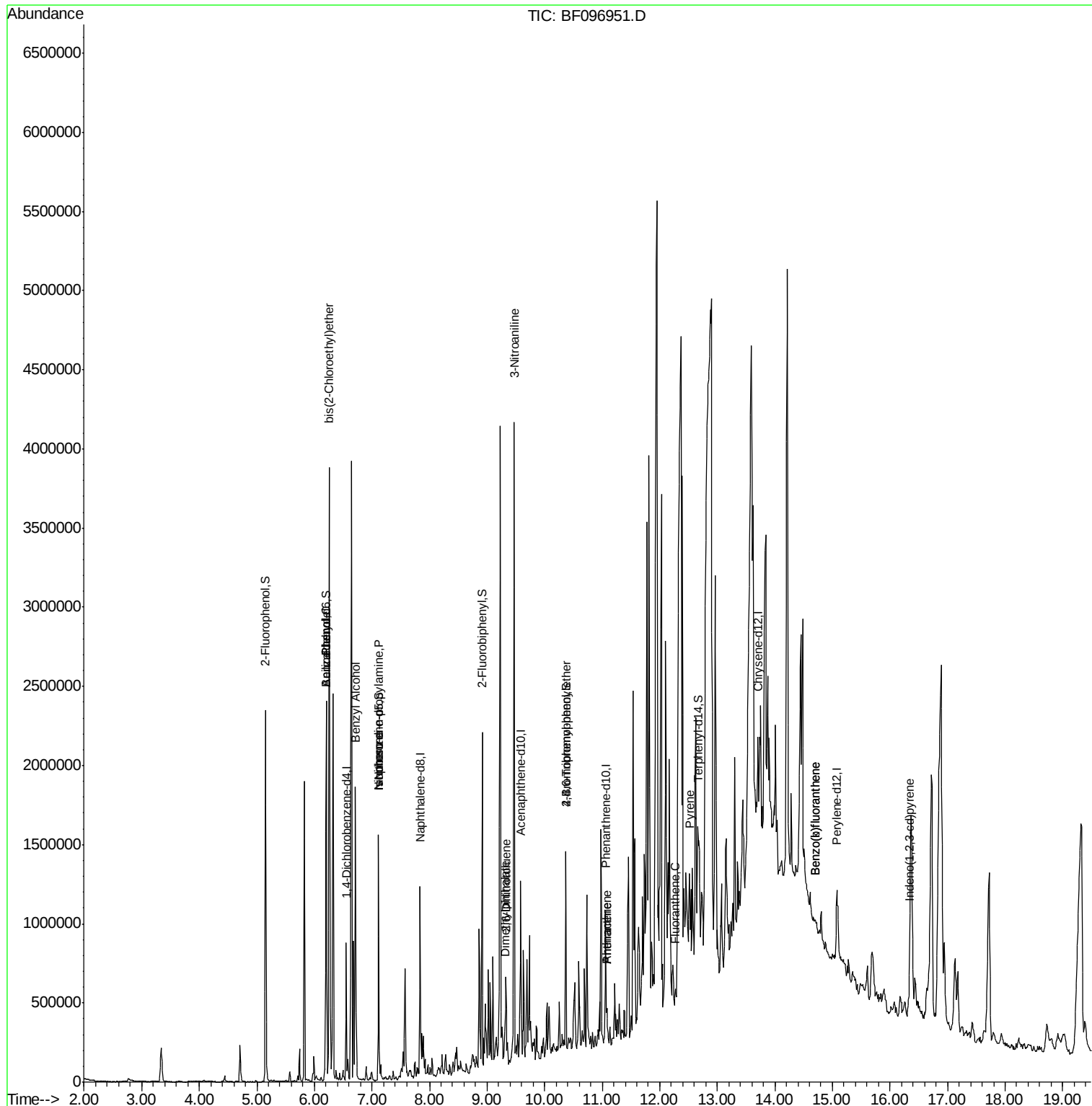
Quant Time: Jul 21 23:13:38 2017

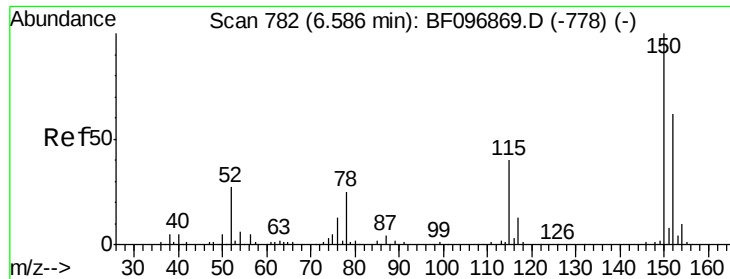
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jul 18 13:33:22 2017

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.55 min Scan# 776

Delta R.T. -0.05 min

Lab File: BF096951.D

Acq: 21 Jul 2017 18:34

Instrument :

BNA_F

ClientSampleId :

SB-7D1213

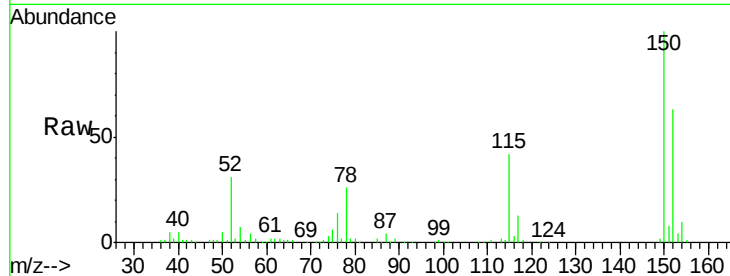
Tgt Ion:152 Resp: 117759

Ion Ratio Lower Upper

152 100

150 158.1 126.2 189.2

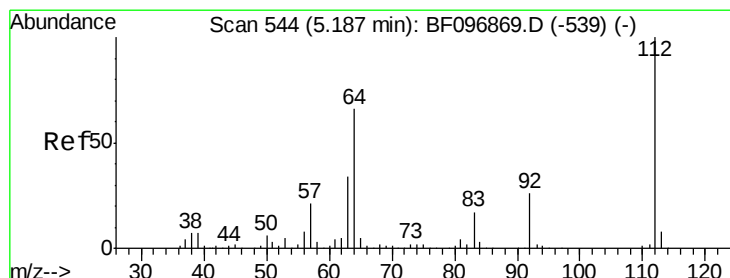
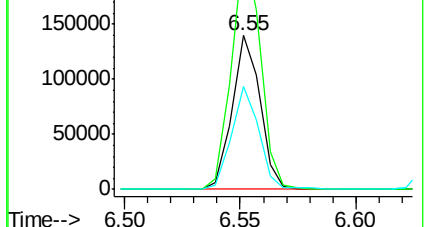
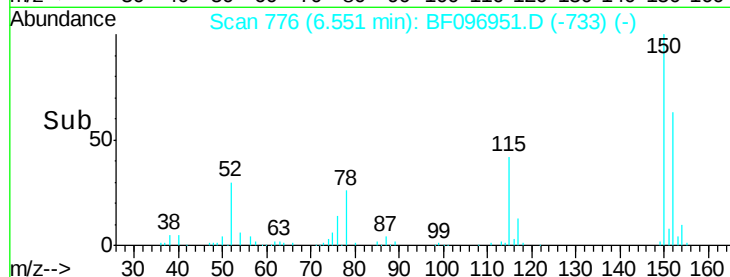
115 66.8 52.2 78.2



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: 86.36 ng

RT: 5.15 min Scan# 538

Delta R.T. -0.05 min

Lab File: BF096951.D

Acq: 21 Jul 2017 18:34

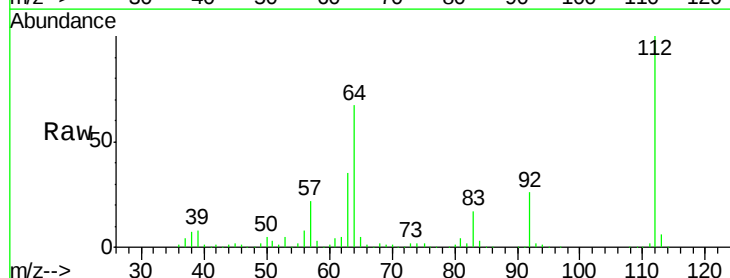
Tgt Ion:112 Resp: 676345

Ion Ratio Lower Upper

112 100

64 67.1 46.0 69.0

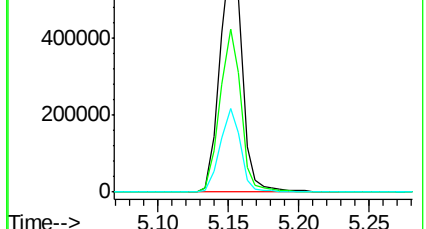
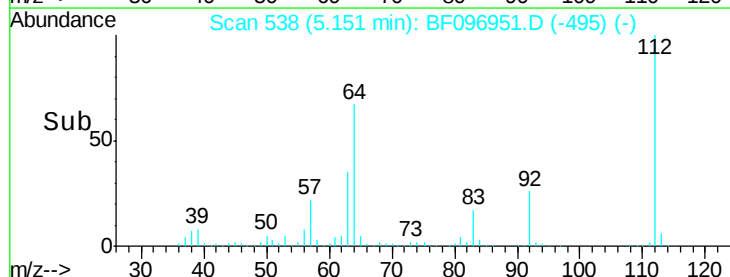
63 34.5 23.4 35.0

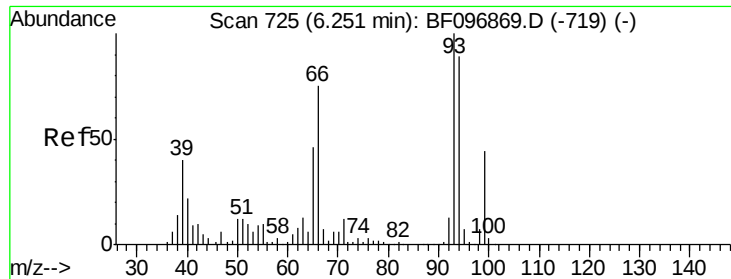


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 4.62 ng

RT: 6.20 min Scan# 716

Delta R.T. -0.06 min

Lab File: BF096951.D

Acq: 21 Jul 2017 18:34

Instrument :

BNA_F

ClientSampleId :

SB-7D1213

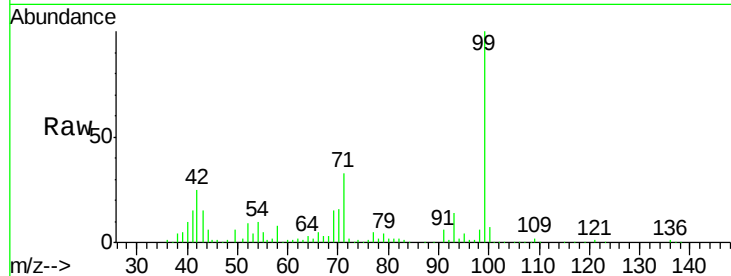
Tgt Ion: 93 Resp: 53493

Ion Ratio Lower Upper

93 100

66 36.0 32.9 49.3

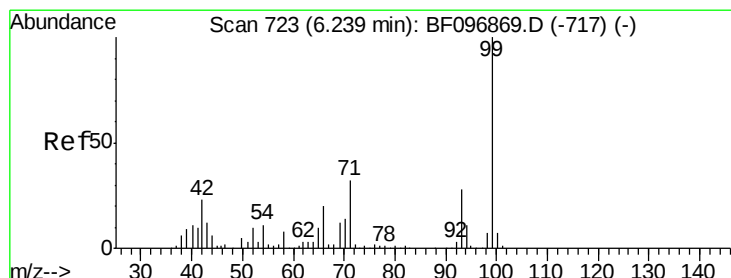
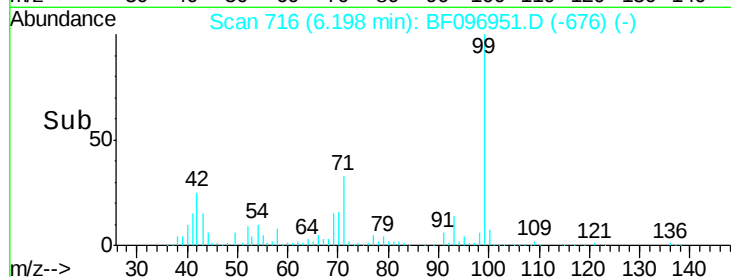
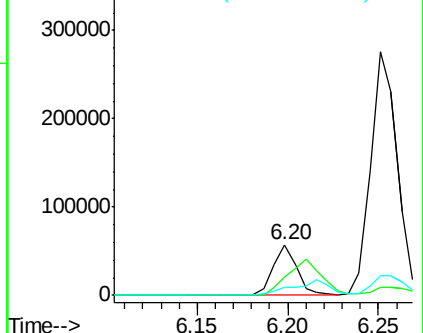
65 15.7 16.0 24.0#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 85.29 ng

RT: 6.21 min Scan# 718

Delta R.T. -0.04 min

Lab File: BF096951.D

Acq: 21 Jul 2017 18:34

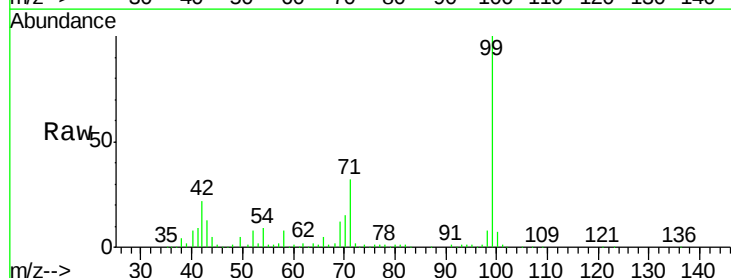
Tgt Ion: 99 Resp: 801609

Ion Ratio Lower Upper

99 100

42 22.0 13.5 20.3#

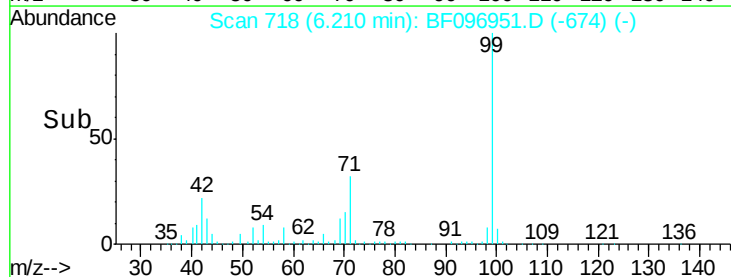
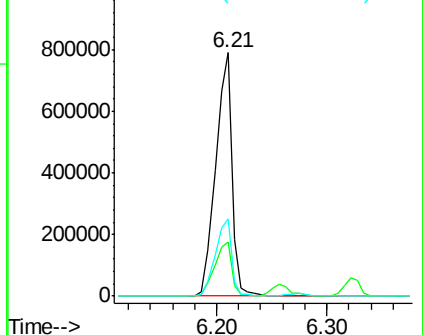
71 31.8 24.5 36.7

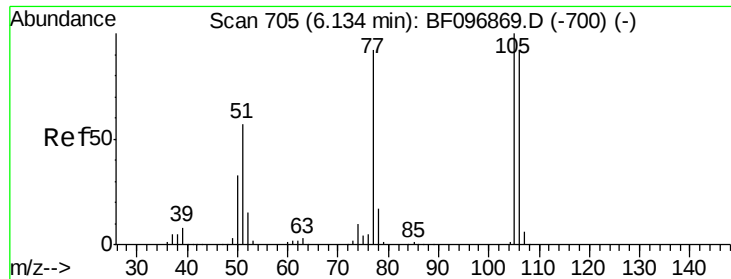


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 4.17 ng

RT: 6.20 min Scan# 716

Delta R.T. 0.05 min

Lab File: BF096951.D

Acq: 21 Jul 2017 18:34

Instrument :

BNA_F

ClientSampleId :

SB-7D1213

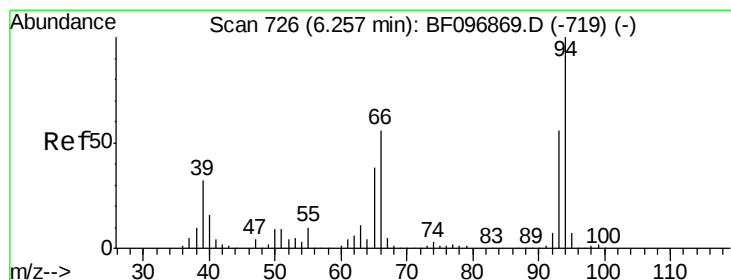
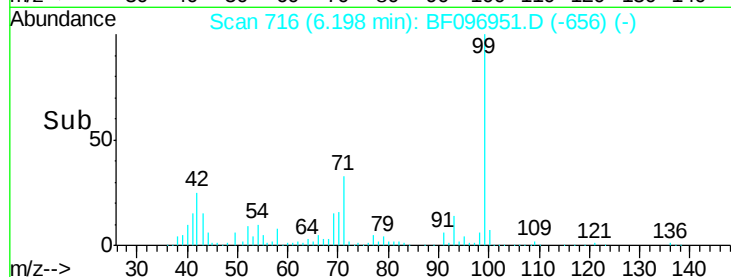
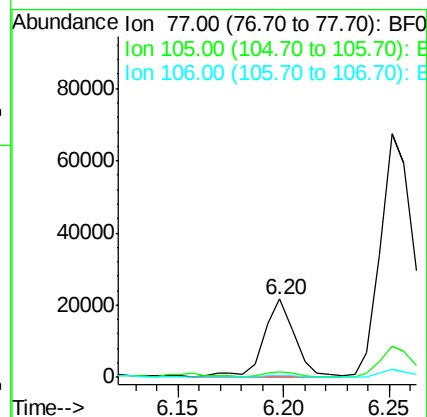
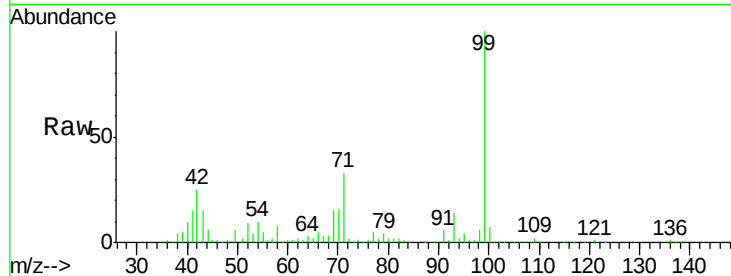
Tgt Ion: 77 Resp: 22633

Ion Ratio Lower Upper

77 100

105 7.4 83.8 123.8#

106 1.8 79.1 119.1#



#10

Phenol

Concen: 5.16 ng

RT: 6.22 min Scan# 719

Delta R.T. -0.05 min

Lab File: BF096951.D

Acq: 21 Jul 2017 18:34

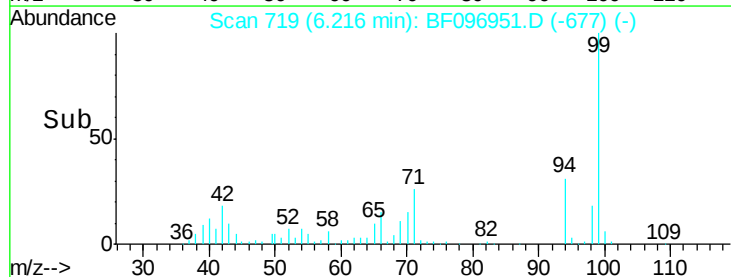
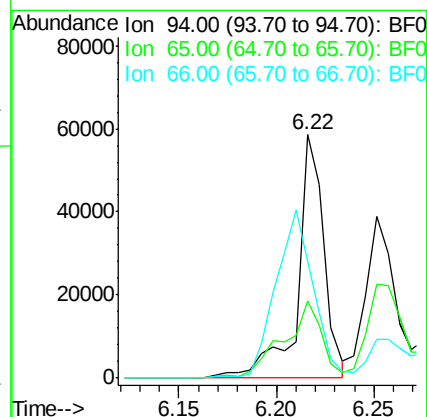
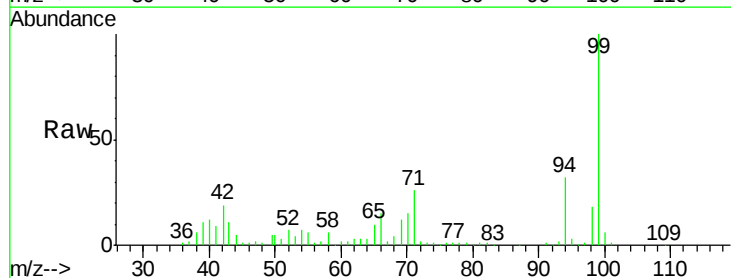
Tgt Ion: 94 Resp: 54773

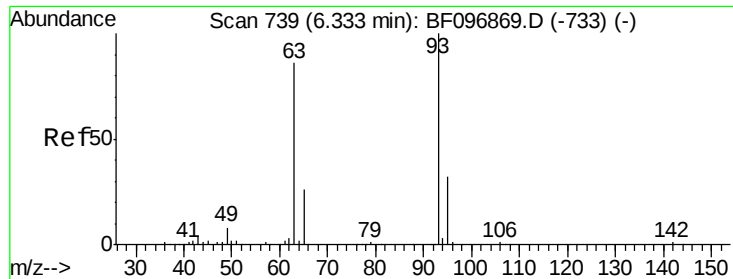
Ion Ratio Lower Upper

94 100

65 31.5 9.9 49.9

66 47.8 23.1 63.1





#11

bis(2-Chloroethyl)ether

Concen: 35.03 ng

RT: 6.25 min Scan# 725

Delta R.T. -0.09 min

Lab File: BF096951.D

Acq: 21 Jul 2017 18:34

Instrument :

BNA_F

ClientSampleId :

SB-7D1213

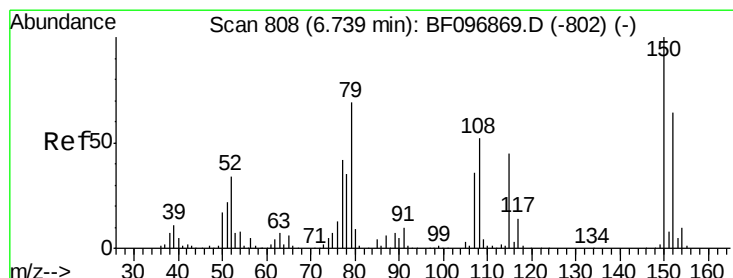
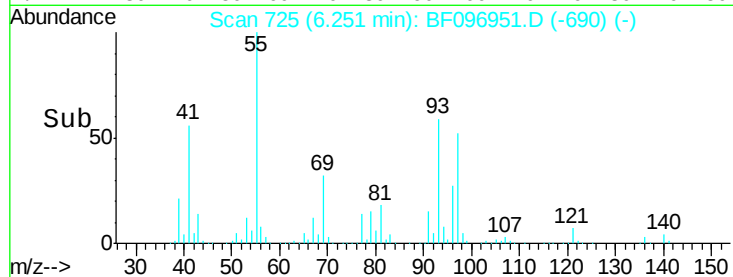
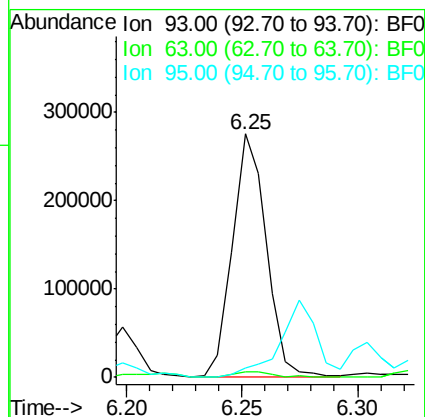
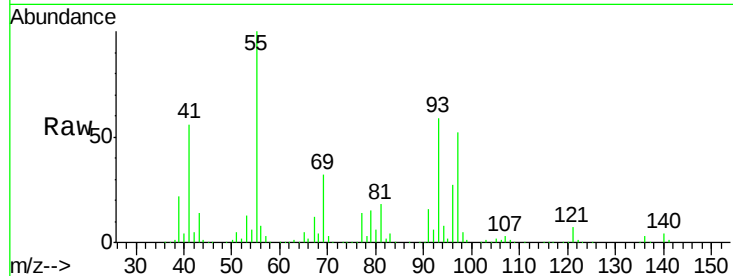
Tgt Ion: 93 Resp: 279873

Ion Ratio Lower Upper

93 100

63 2.4 59.2 99.2#

95 4.0 12.8 52.8#



#15

Benzyl Alcohol

Concen: 4.33 ng

RT: 6.70 min Scan# 802

Delta R.T. -0.05 min

Lab File: BF096951.D

Acq: 21 Jul 2017 18:34

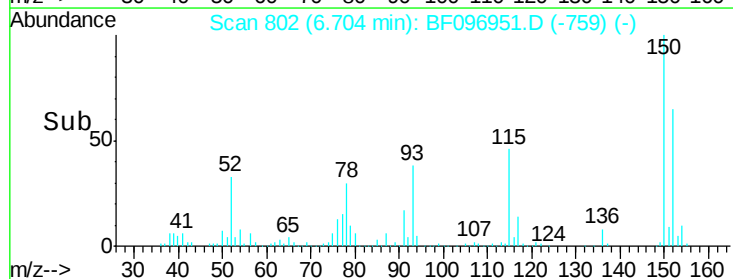
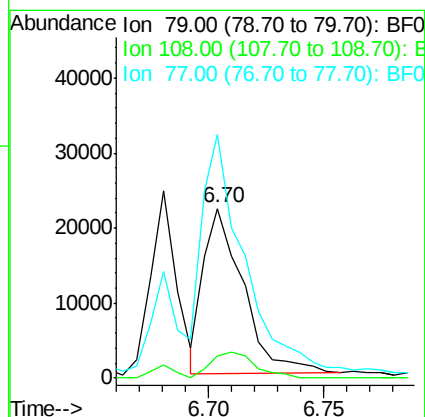
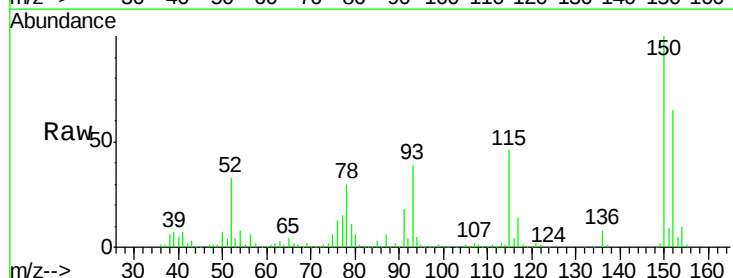
Tgt Ion: 79 Resp: 26617

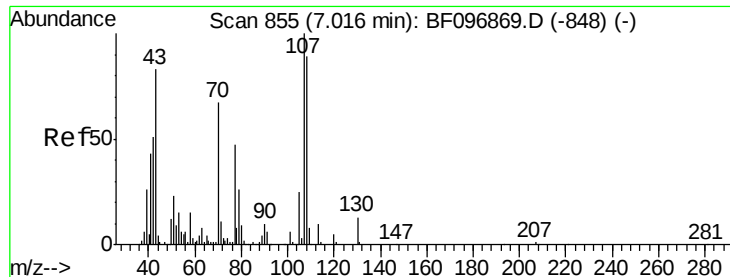
Ion Ratio Lower Upper

79 100

108 13.3 63.4 95.0#

77 143.6 49.2 73.8#

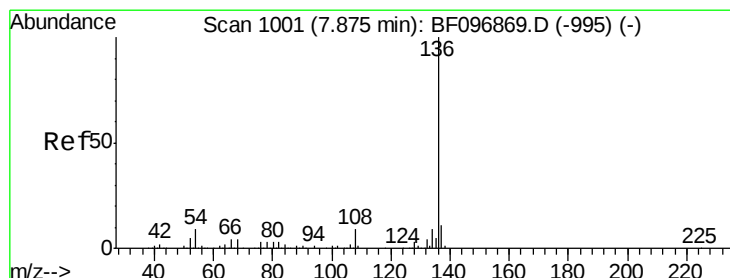
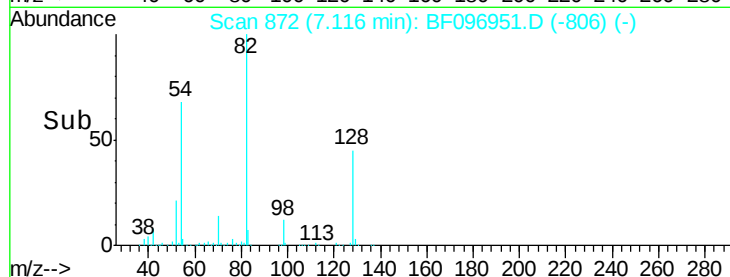
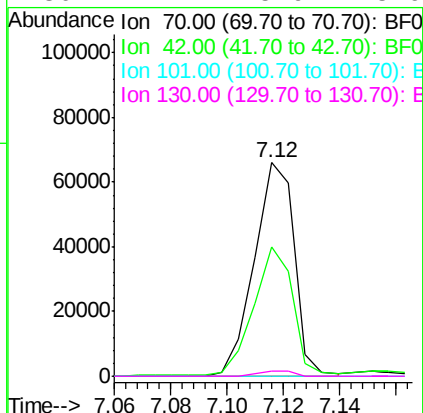
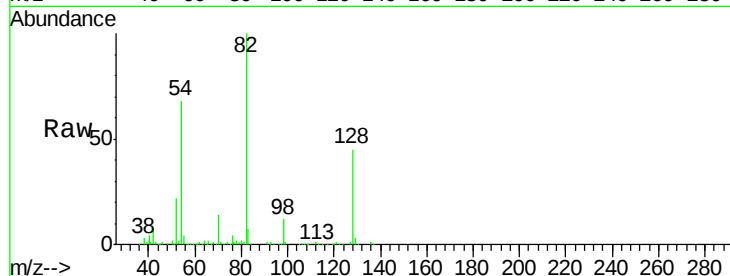




#19
n-Nitroso-di-n-propylamine
Concen: 11.47 ng
RT: 7.12 min Scan# 872
Delta R.T. 0.09 min
Lab File: BF096951.D
Acq: 21 Jul 2017 18:34

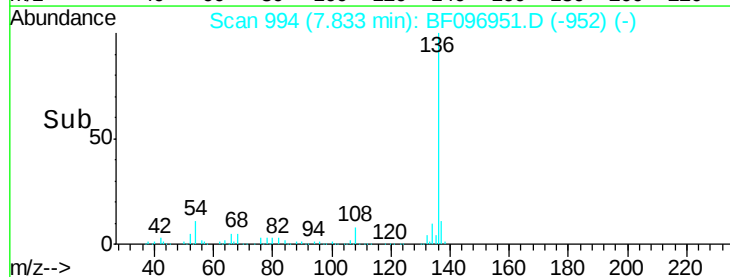
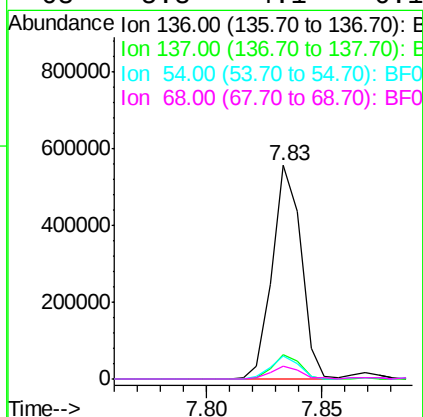
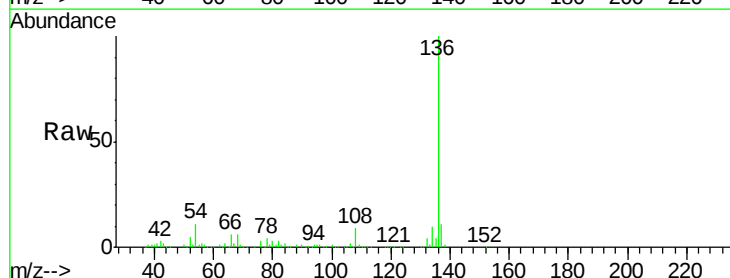
Instrument :
BNA_F
ClientSampleId :
SB-7D1213

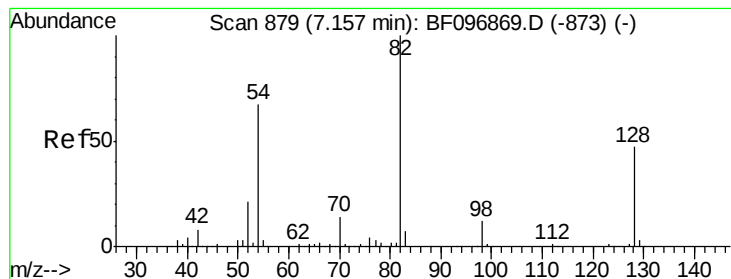
Tgt Ion: 70 Resp: 64969
Ion Ratio Lower Upper
70 100
42 60.5 47.2 70.8
101 0.0 7.2 10.8#
130 2.4 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.83 min Scan# 994
Delta R.T. -0.05 min
Lab File: BF096951.D
Acq: 21 Jul 2017 18:34

Tgt Ion: 136 Resp: 481486
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 10.9 4.9 7.3#
68 5.8 4.1 6.1





#23

Nitrobenzene-d5

Concen: 62.32 ng

RT: 7.12 min Scan# 872

Delta R.T. -0.05 min

Lab File: BF096951.D

Acq: 21 Jul 2017 18:34

Instrument :

BNA_F

ClientSampleId :

SB-7D1213

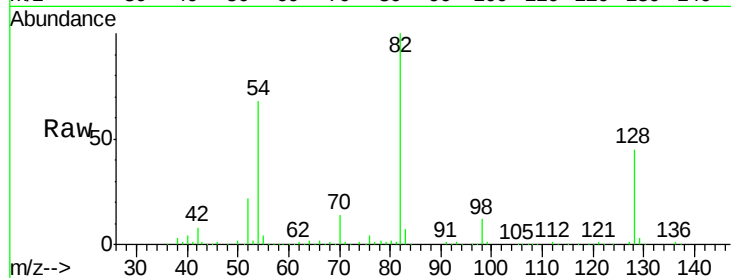
Tgt Ion: 82 Resp: 484409

Ion Ratio Lower Upper

82 100

128 44.7 34.0 51.0

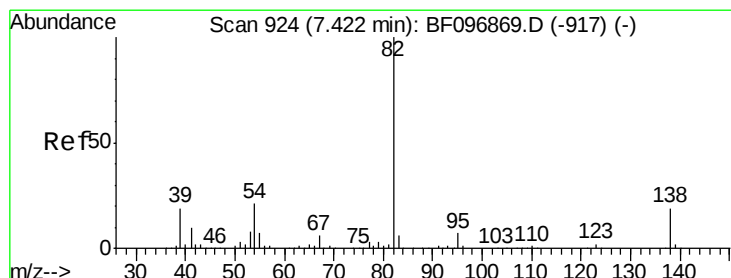
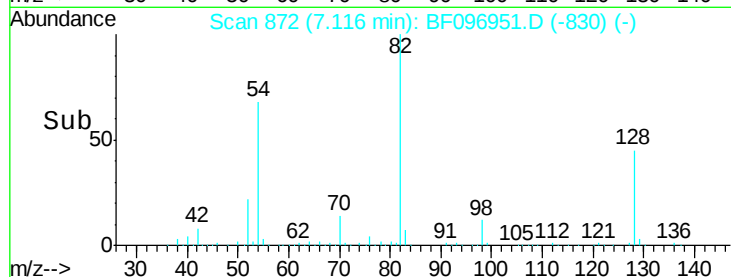
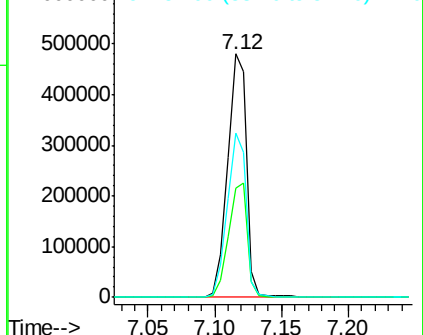
54 67.7 42.2 63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 33.05 ng

RT: 7.12 min Scan# 872

Delta R.T. -0.32 min

Lab File: BF096951.D

Acq: 21 Jul 2017 18:34

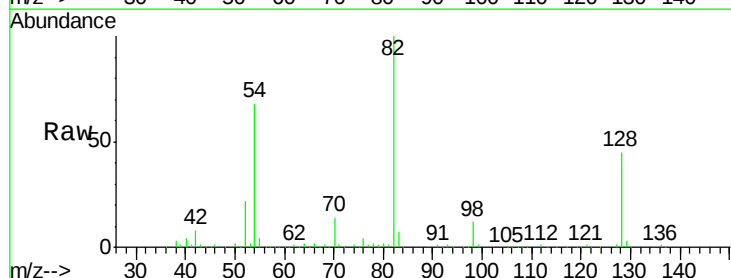
Tgt Ion: 82 Resp: 477933

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

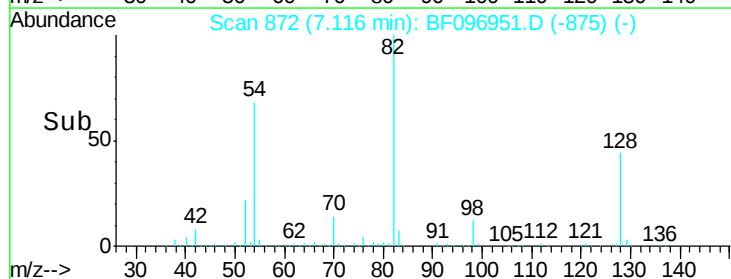
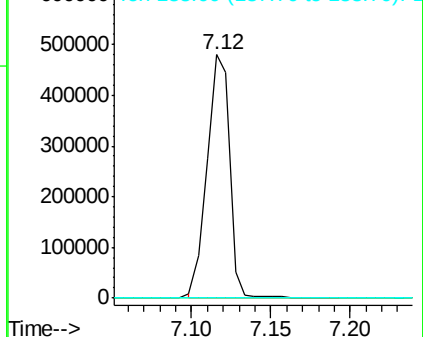
138 0.0 13.1 19.7#

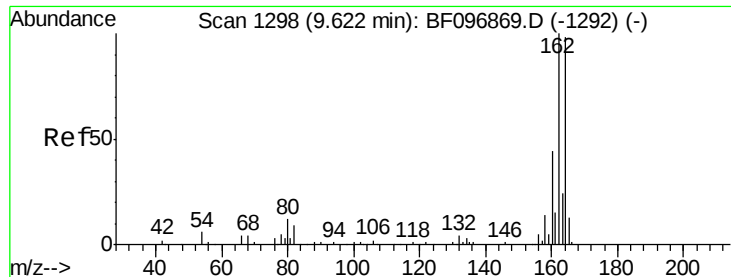


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

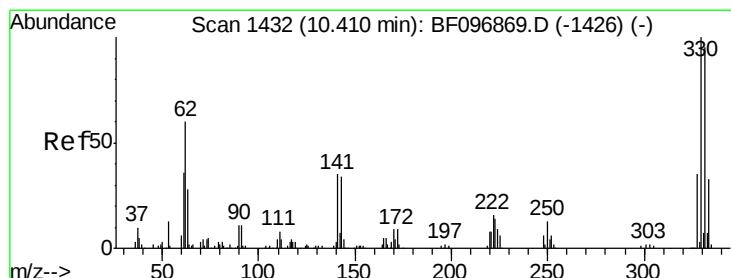
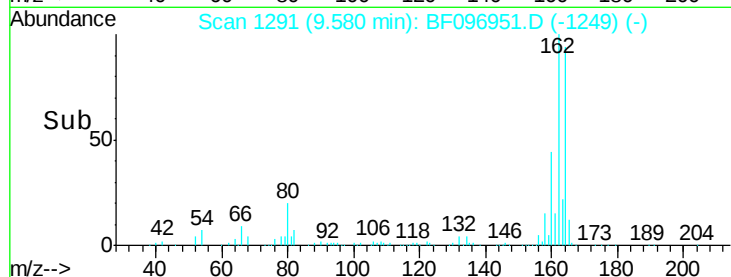
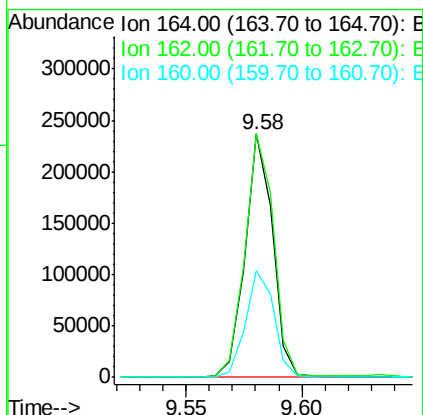
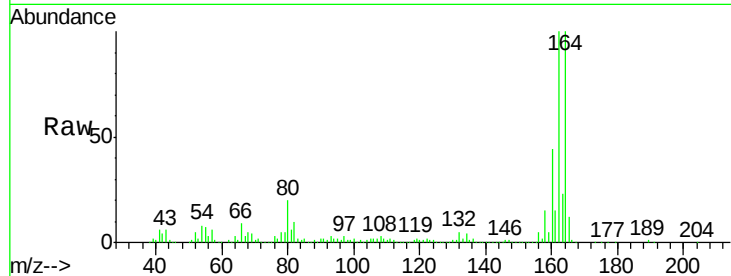




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 1291
 Delta R.T. -0.05 min
 Lab File: BF096951.D
 Acq: 21 Jul 2017 18:34

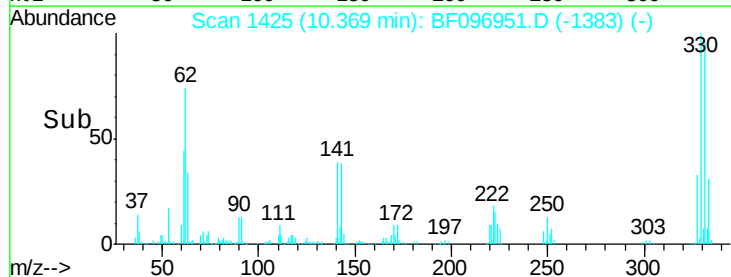
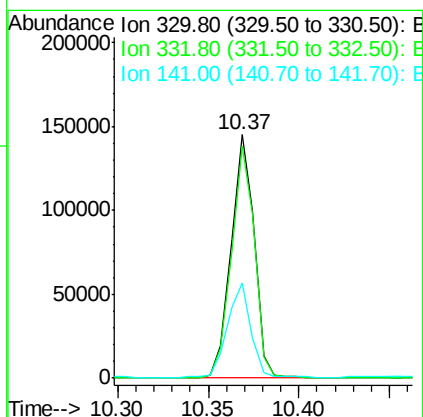
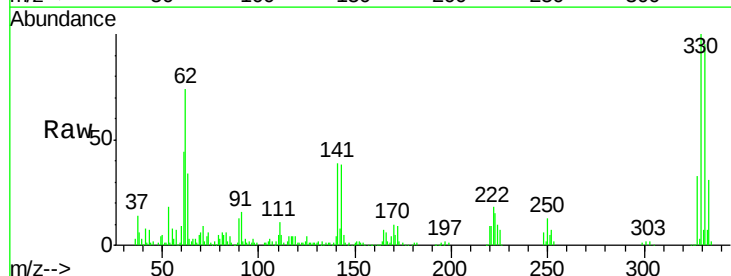
Instrument :
 BNA_F
 ClientSampleId :
 SB-7D1213

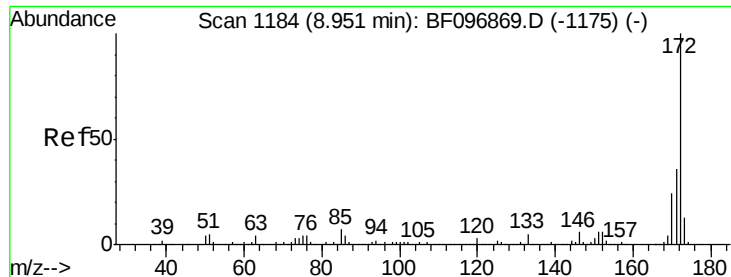
Tgt Ion:164 Resp: 196376
 Ion Ratio Lower Upper
 164 100
 162 100.0 82.6 123.8
 160 43.7 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 77.11 ng
 RT: 10.37 min Scan# 1425
 Delta R.T. -0.05 min
 Lab File: BF096951.D
 Acq: 21 Jul 2017 18:34

Tgt Ion:330 Resp: 129247
 Ion Ratio Lower Upper
 330 100
 332 94.9 76.6 115.0
 141 38.8 31.4 47.2

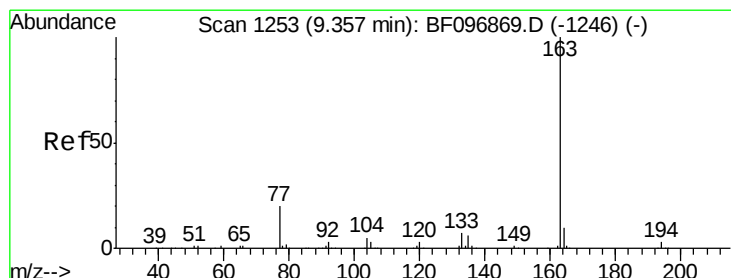
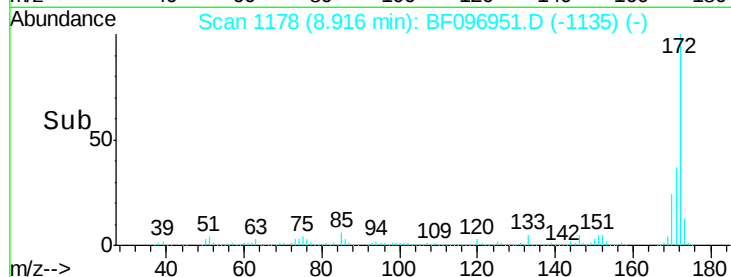
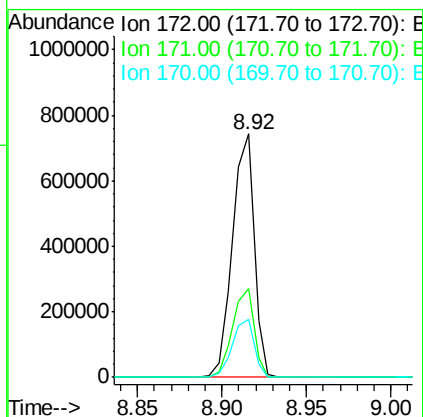
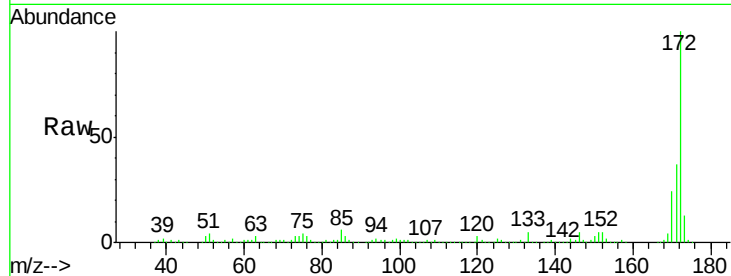




#44
 2-Fluorobiphenyl
 Concen: 53.43 ng
 RT: 8.92 min Scan# 1178
 Delta R.T. -0.05 min
 Lab File: BF096951.D
 Acq: 21 Jul 2017 18:34

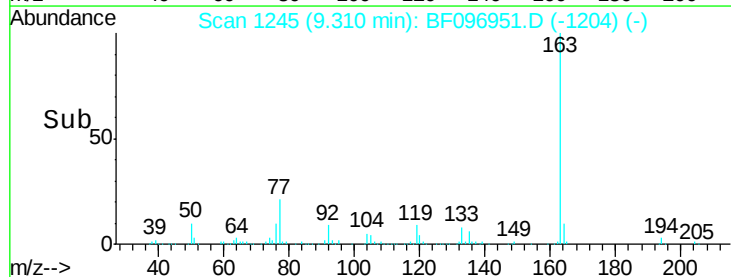
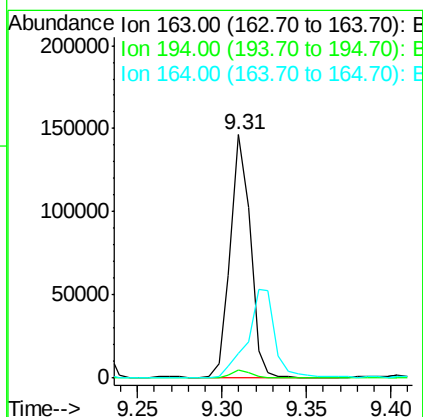
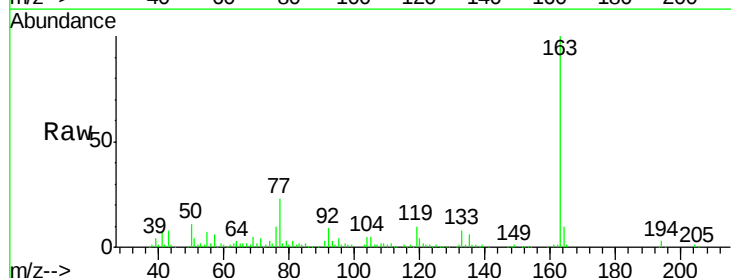
Instrument :
 BNA_F
 ClientSampleId :
 SB-7D1213

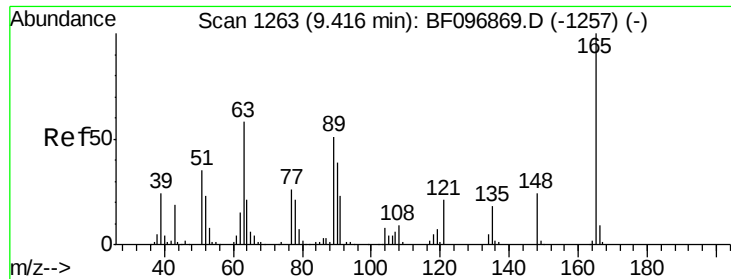
Tgt Ion:172 Resp: 664081
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.6 44.4
 170 24.0 19.8 29.8



#49
 Dimethylphthalate
 Concen: 8.15 ng
 RT: 9.31 min Scan# 1245
 Delta R.T. -0.06 min
 Lab File: BF096951.D
 Acq: 21 Jul 2017 18:34

Tgt Ion:163 Resp: 120484
 Ion Ratio Lower Upper
 163 100
 194 3.4 2.6 4.0
 164 10.4 8.4 12.6

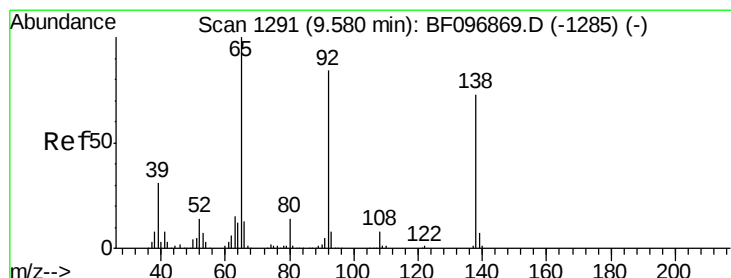
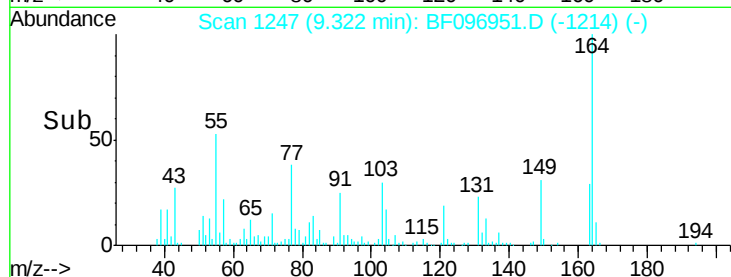
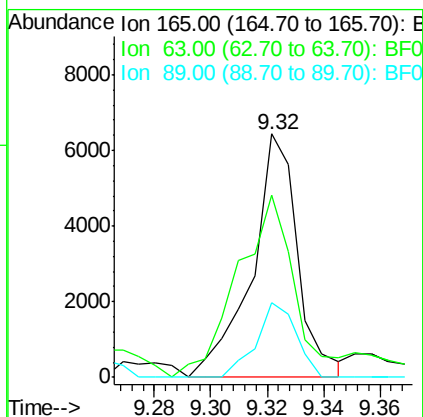
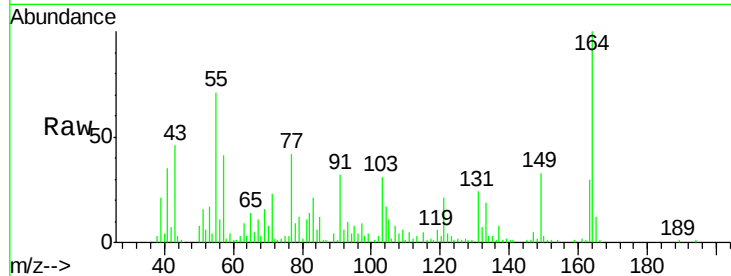




#50
 2,6-Dinitrotoluene
 Concen: 2.27 ng
 RT: 9.32 min Scan# 1247
 Delta R.T. -0.11 min
 Lab File: BF096951.D
 Acq: 21 Jul 2017 18:34

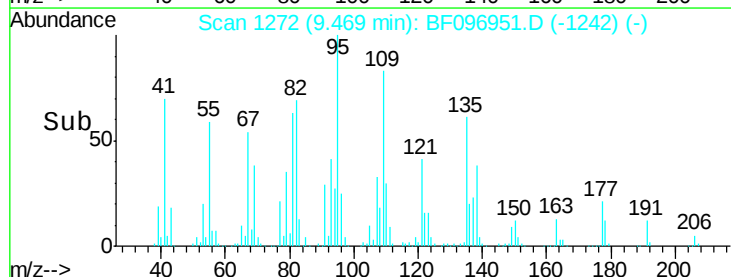
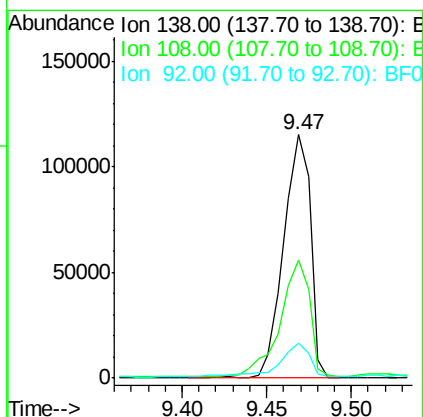
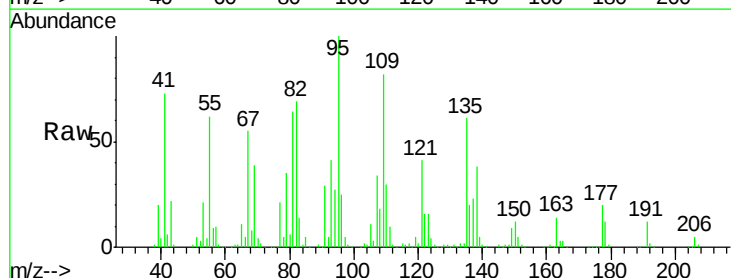
Instrument :
 BNA_F
 ClientSampleId :
 SB-7D1213

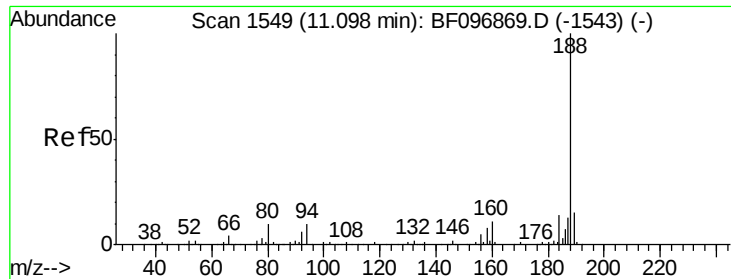
Tgt Ion:165 Resp: 7265
 Ion Ratio Lower Upper
 165 100
 63 74.8 34.3 51.5#
 89 30.7 37.1 55.7#



#52
 3-Nitroaniline
 Concen: 33.47 ng
 RT: 9.47 min Scan# 1272
 Delta R.T. -0.12 min
 Lab File: BF096951.D
 Acq: 21 Jul 2017 18:34

Tgt Ion:138 Resp: 126988
 Ion Ratio Lower Upper
 138 100
 108 48.7 9.1 13.7#
 92 14.4 93.8 140.6#

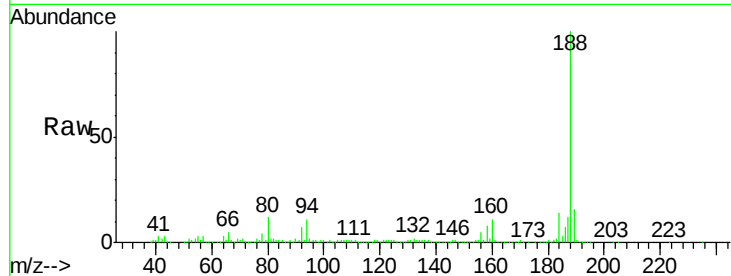




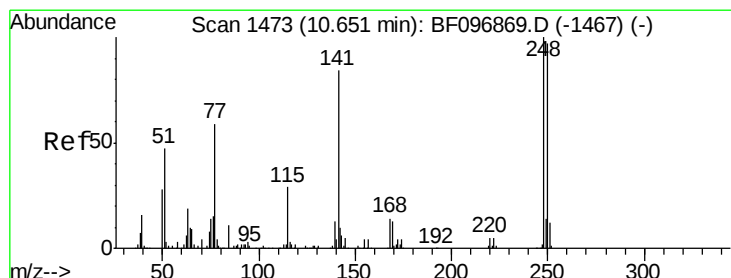
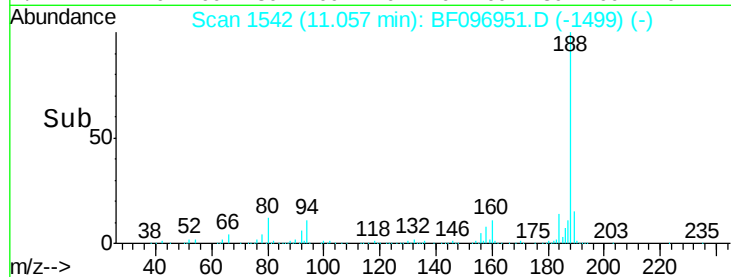
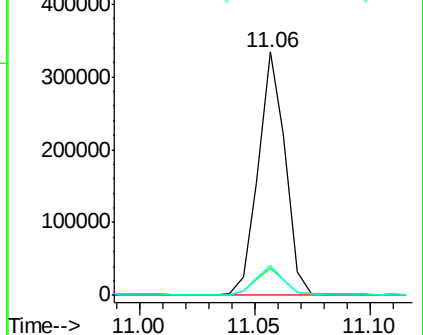
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.06 min Scan# 1542
Delta R.T. -0.05 min
Lab File: BF096951.D
Acq: 21 Jul 2017 18:34

Instrument :
BNA_F
ClientSampleId :
SB-7D1213

Tgt Ion:188 Resp: 272672
Ion Ratio Lower Upper
188 100
94 11.4 9.4 14.2
80 12.2 10.2 15.2

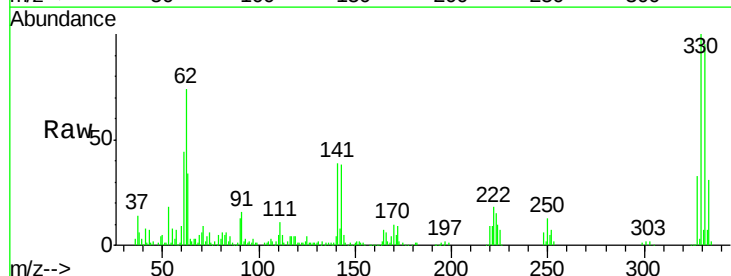


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

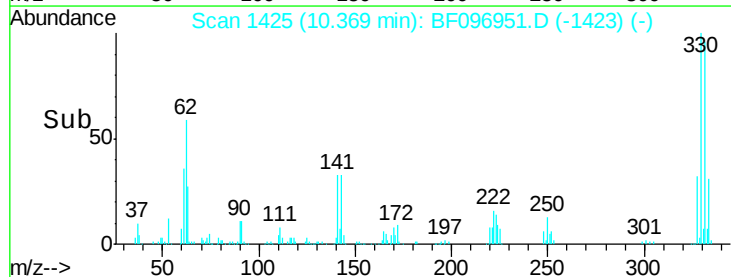
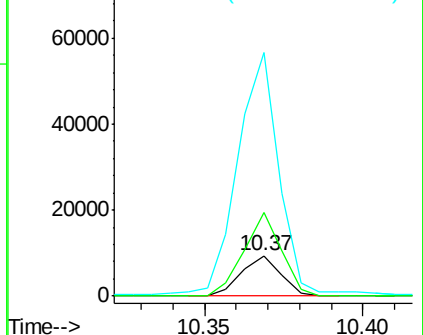


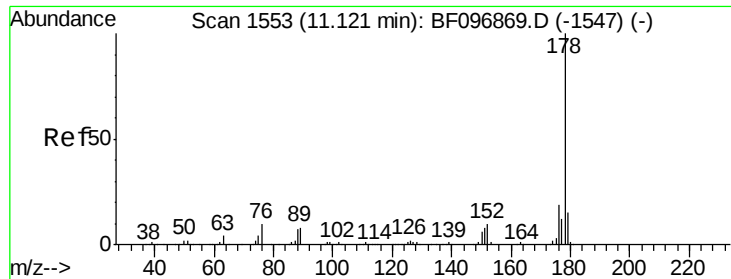
#66
4-Bromophenyl-phenylether
Concen: 2.91 ng
RT: 10.37 min Scan# 1425
Delta R.T. -0.29 min
Lab File: BF096951.D
Acq: 21 Jul 2017 18:34

Tgt Ion:248 Resp: 8096
Ion Ratio Lower Upper
248 100
250 208.6 76.8 115.2#
141 607.1 68.6 103.0#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

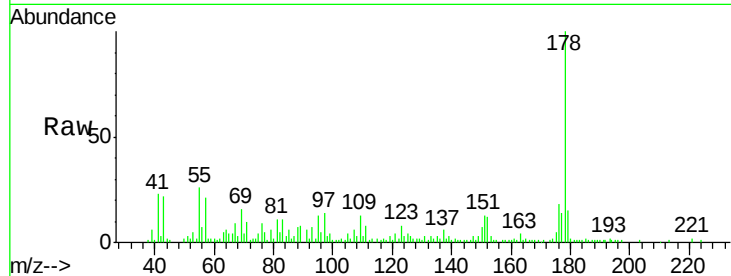




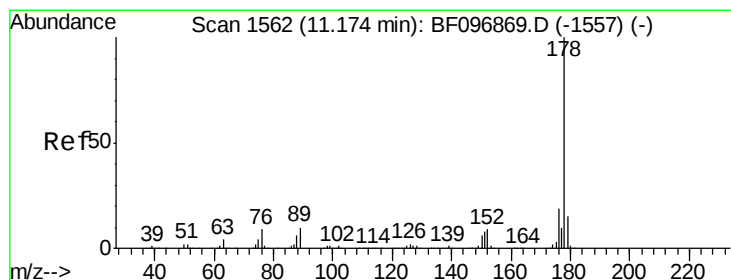
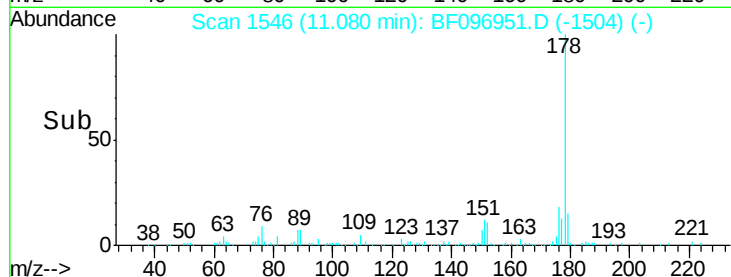
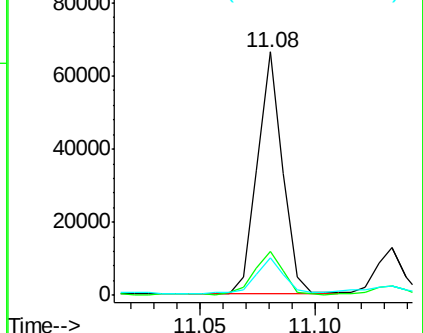
#70
Phenanthrene
Concen: 3.45 ng
RT: 11.08 min Scan# 1546
Delta R.T. -0.05 min
Lab File: BF096951.D
Acq: 21 Jul 2017 18:34

Instrument :
BNA_F
ClientSampleId :
SB-7D1213

Tgt Ion:178 Resp: 51093
Ion Ratio Lower Upper
178 100
176 17.9 16.2 24.4
179 15.4 12.6 19.0

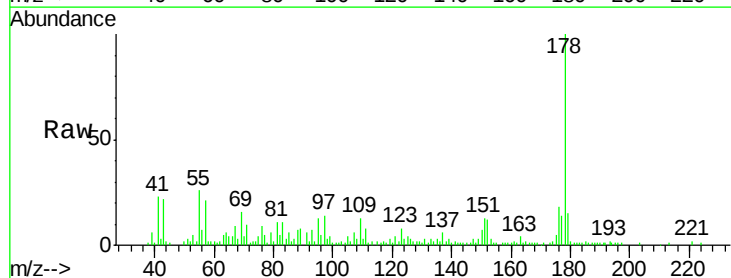


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

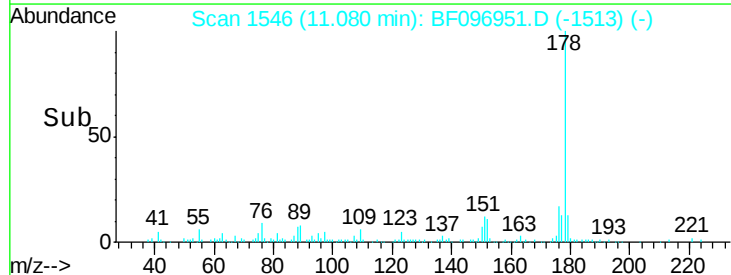
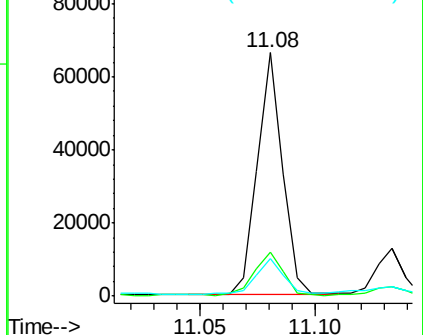


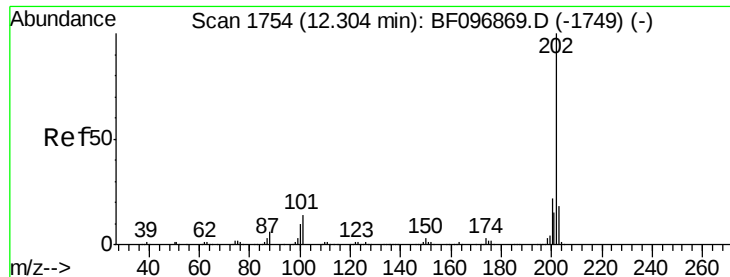
#71
Anthracene
Concen: 3.41 ng
RT: 11.08 min Scan# 1546
Delta R.T. -0.11 min
Lab File: BF096951.D
Acq: 21 Jul 2017 18:34

Tgt Ion:178 Resp: 51093
Ion Ratio Lower Upper
178 100
176 17.9 15.8 23.8
179 15.4 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: 3.60 ng

RT: 12.27 min Scan# 1749

Delta R.T. -0.04 min

Lab File: BF096951.D

Acq: 21 Jul 2017 18:34

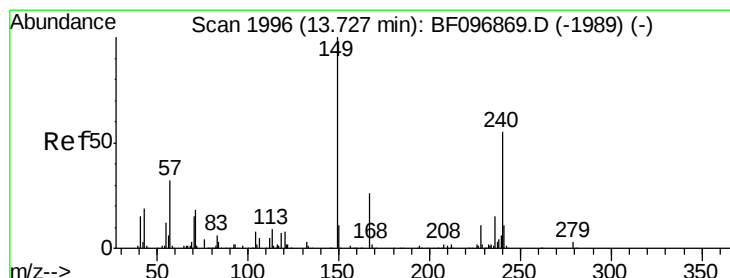
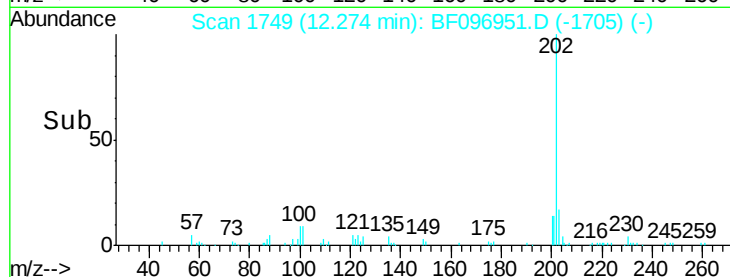
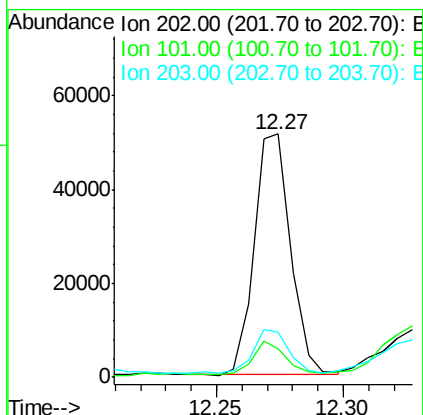
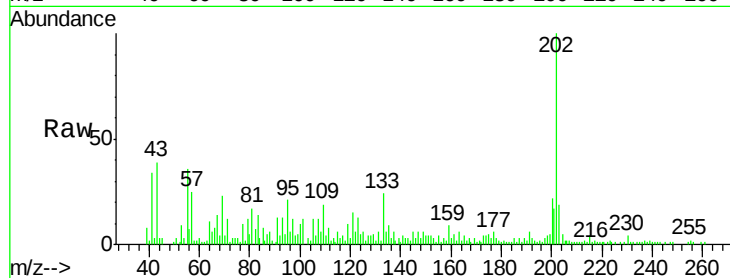
Instrument :

BNA_F

ClientSampleId :

SB-7D1213

Tgt Ion:	202	Resp:	51029
Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	33.2
203	18.7	0.0	38.1



#75

Chrysene-d12

Concen: 20.00 ng

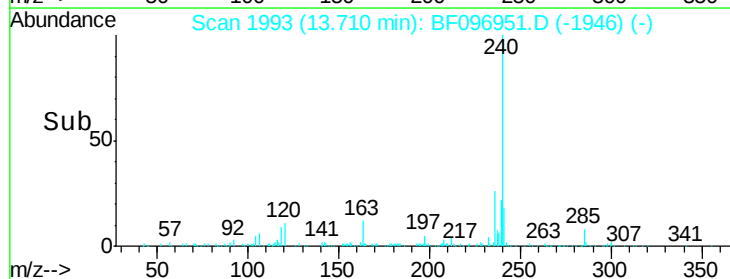
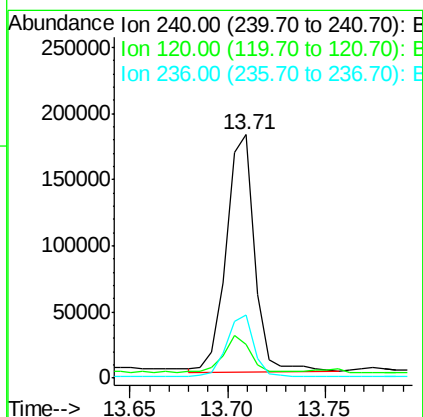
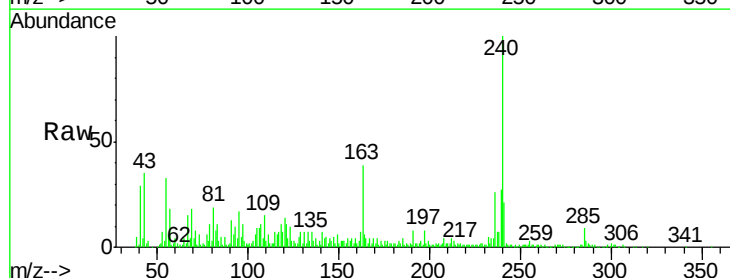
RT: 13.71 min Scan# 1993

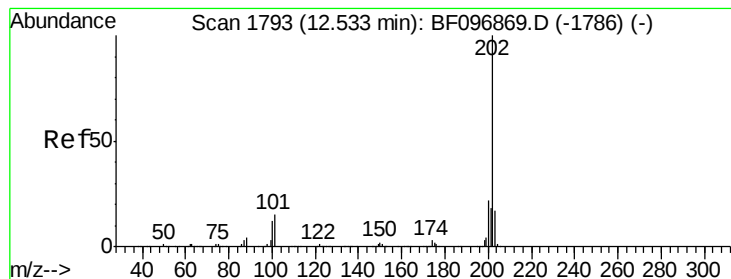
Delta R.T. -0.02 min

Lab File: BF096951.D

Acq: 21 Jul 2017 18:34

Tgt Ion:	240	Resp:	181749
Ion	Ratio	Lower	Upper
240	100		
120	14.0	5.8	8.8#
236	25.9	20.5	30.7





#77

Pyrene

Concen: 2.68 ng

RT: 12.51 min Scan# 1789

Delta R.T. -0.03 min

Lab File: BF096951.D

Acq: 21 Jul 2017 18:34

Instrument :

BNA_F

ClientSampleId :

SB-7D1213

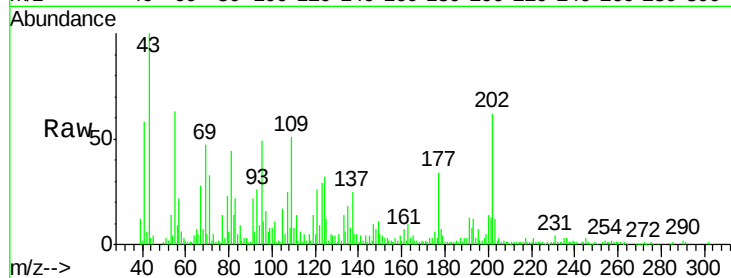
Tgt Ion:202 Resp: 44236

Ion Ratio Lower Upper

202 100

200 22.4 17.6 26.4

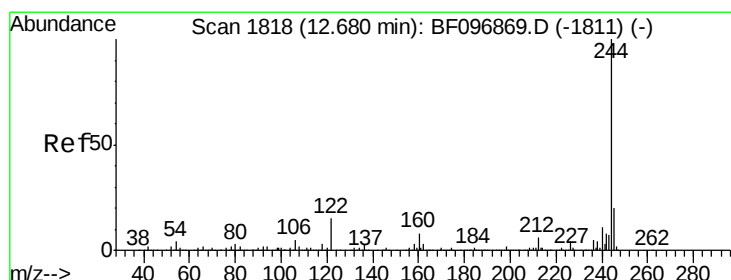
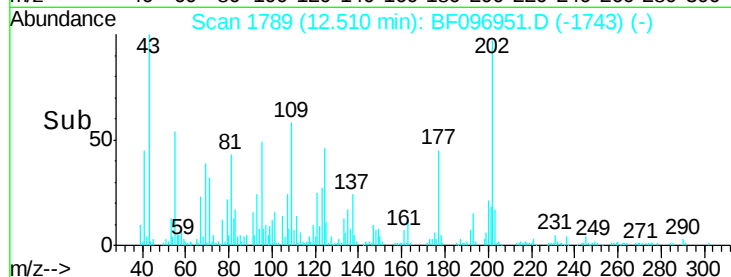
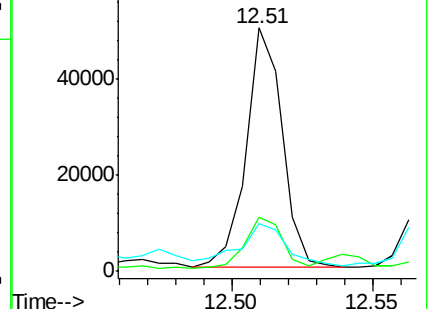
203 19.6 14.4 21.6



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: 16.77 ng

RT: 12.66 min Scan# 1814

Delta R.T. -0.04 min

Lab File: BF096951.D

Acq: 21 Jul 2017 18:34

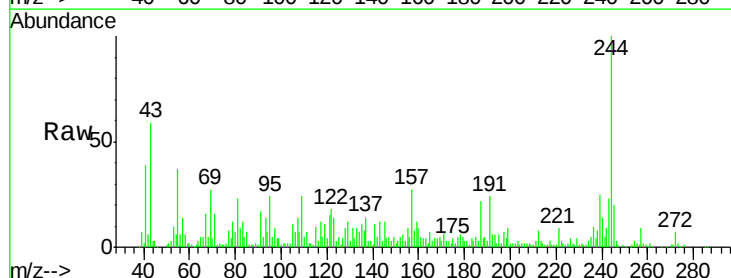
Tgt Ion:244 Resp: 175746

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

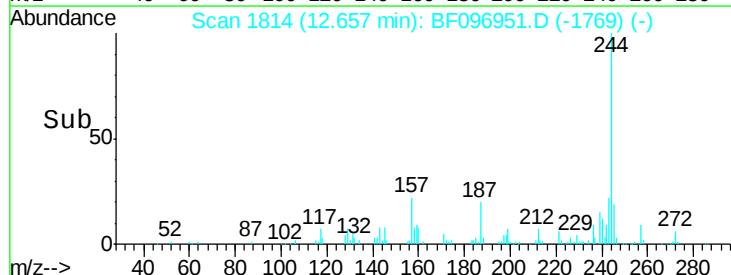
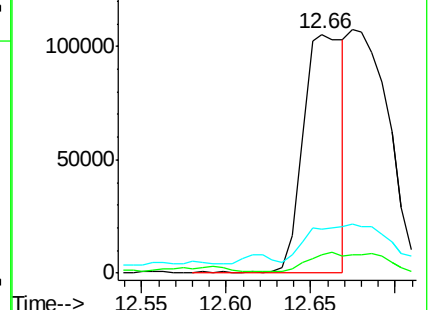
122 18.2 10.3 15.5#

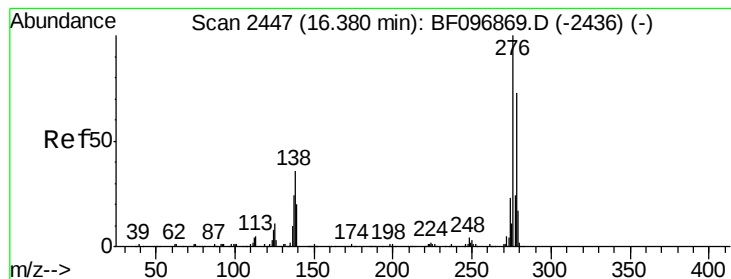


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.01 ng

RT: 16.33 min Scan# 2439

Delta R.T. -0.06 min

Lab File: BF096951.D

Acq: 21 Jul 2017 18:34

Instrument :

BNA_F

ClientSampleId :

SB-7D1213

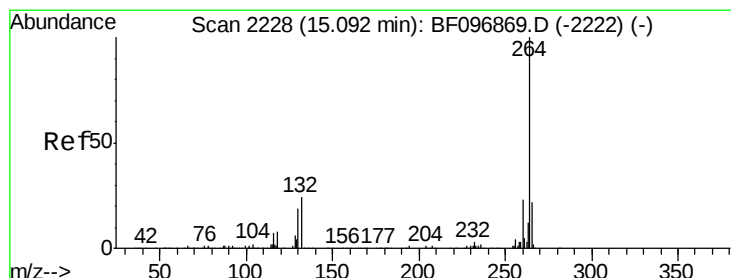
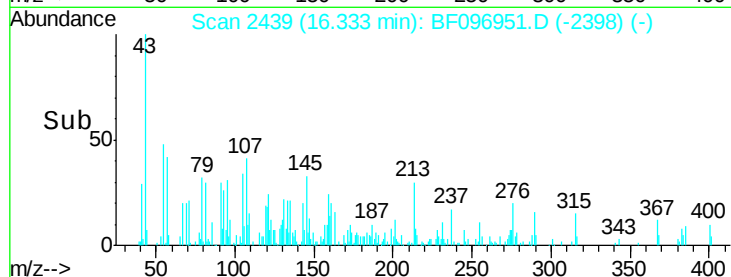
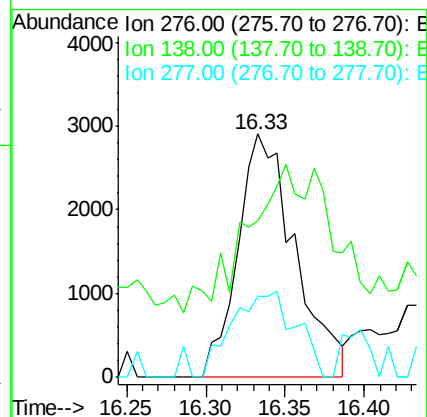
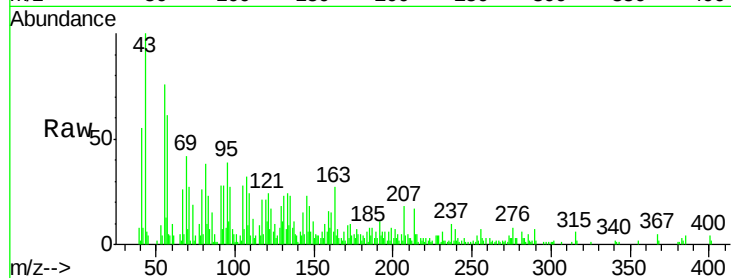
Tgt Ion:276 Resp: 7262

Ion Ratio Lower Upper

276 100

138 59.5 27.8 41.6#

277 39.5 20.2 30.4#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.07 min Scan# 2225

Delta R.T. -0.03 min

Lab File: BF096951.D

Acq: 21 Jul 2017 18:34

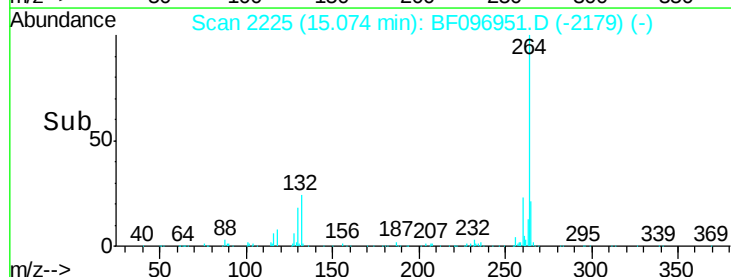
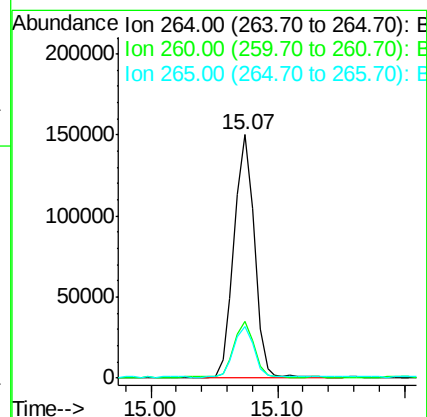
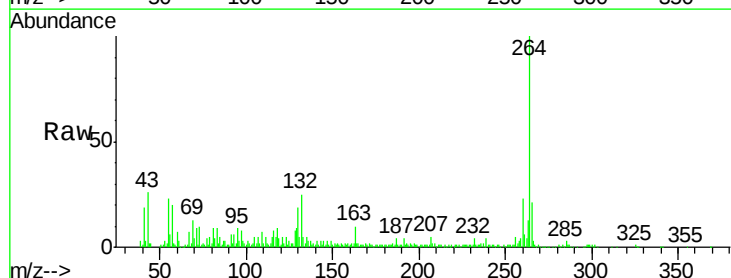
Tgt Ion:264 Resp: 165685

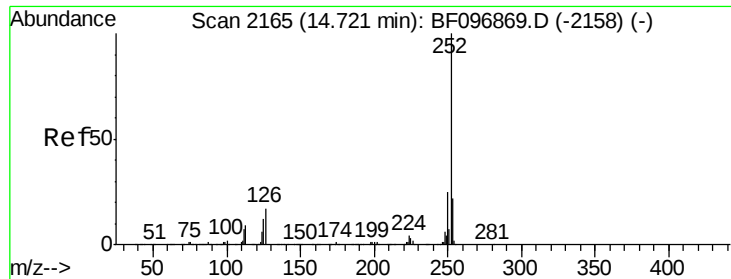
Ion Ratio Lower Upper

264 100

260 23.1 19.5 29.3

265 21.0 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 2.07 ng

RT: 14.70 min Scan# 2162

Delta R.T. -0.02 min

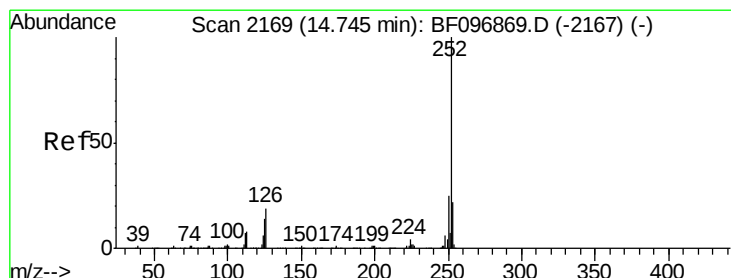
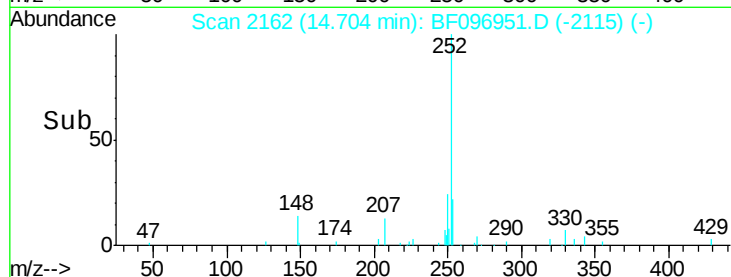
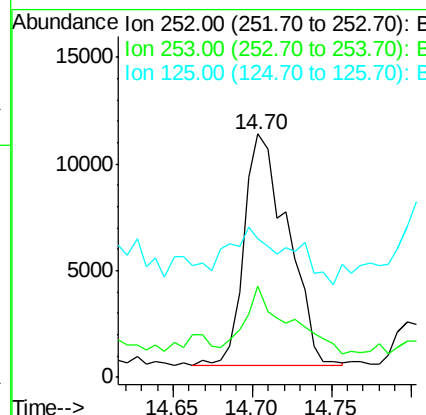
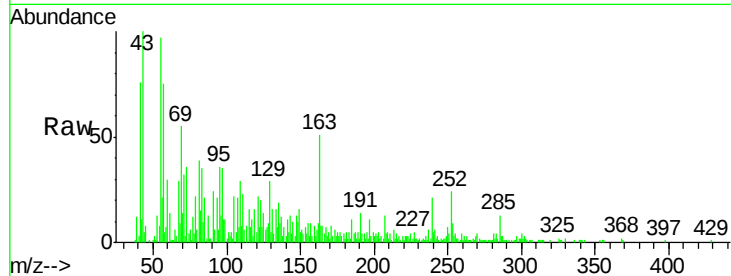
Lab File: BF096951.D

Acq: 21 Jul 2017 18:34

Instrument :
BNA_F
ClientSampleId :
SB-7D1213

Tgt Ion:252 Resp: 20708

Ion	Ratio	Lower	Upper
252	100		
253	37.3	18.1	27.1#
125	56.7	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 2.26 ng

RT: 14.70 min Scan# 2162

Delta R.T. -0.05 min

Lab File: BF096951.D

Acq: 21 Jul 2017 18:34

Tgt Ion:252 Resp: 21417

Ion	Ratio	Lower	Upper
252	100		
253	37.3	18.4	27.6#
125	56.7	13.1	19.7#

