

Data Path : Z:\HPCHEM1\BNA F\Data\BF102115\
 Data File : BF082432.D
 Acq On : 22 Oct 2015 5:35
 Operator : UM/IZ
 Sample : G4116-15
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BT-03(0-2)

Quant Time: Oct 22 13:02:17 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 21 13:20:24 2015
 Response via : Initial Calibration

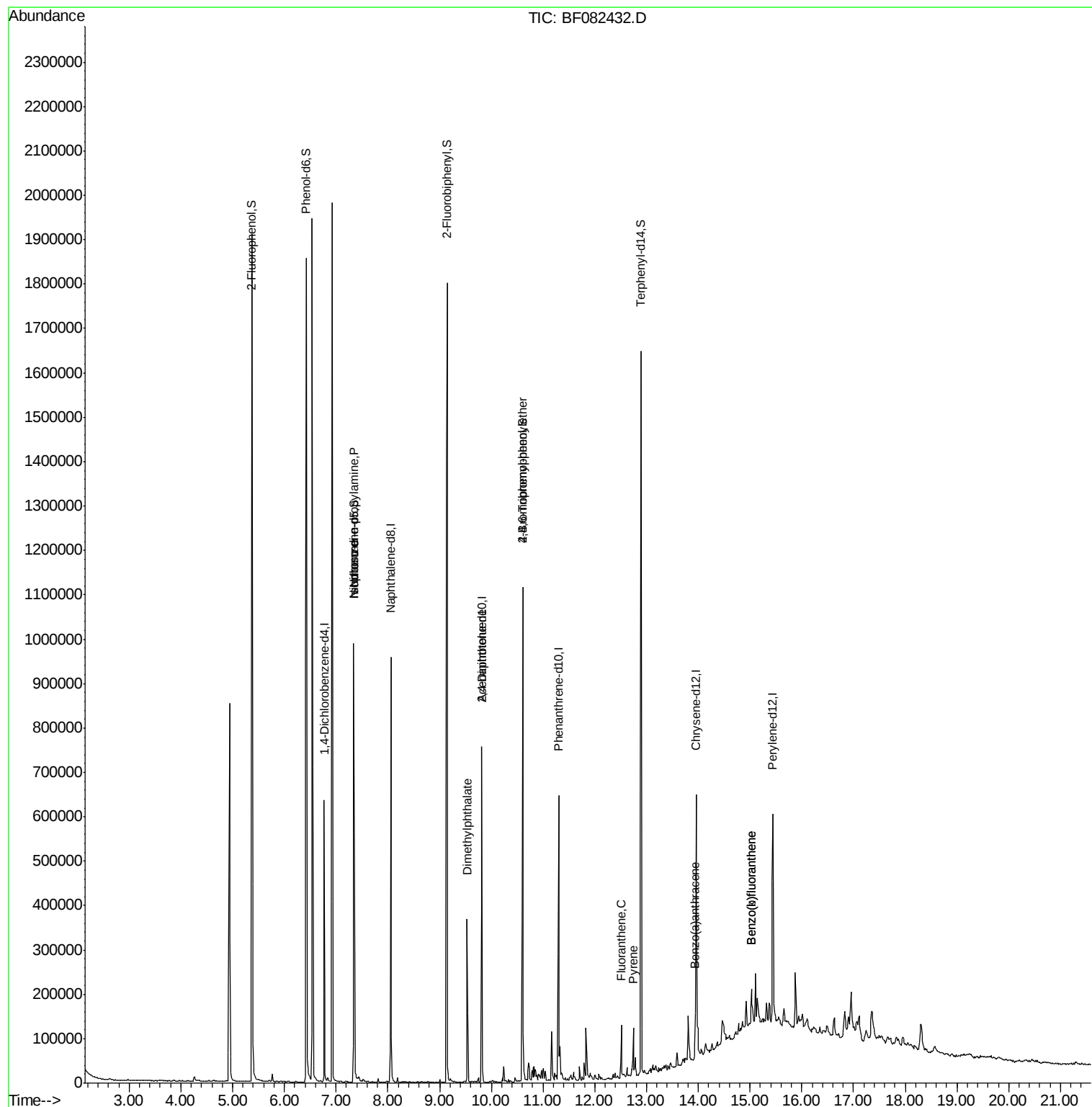
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	107081	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	406402	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	179053	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	291614	20.00	ng	0.00
75) Chrysene-d12	13.96	240	260763	20.00	ng	-0.06
86) Perylene-d12	15.44	264	243661	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	557945	105.16	ng	0.01
7) Phenol-d6	6.42	99	783957	113.54	ng	0.00
23) Nitrobenzene-d5	7.34	82	426118	70.41	ng	-0.01
41) 2,4,6-Tribromophenol	10.61	330	126998	75.63	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	830031	76.88	ng	0.00
78) Terphenyl-d14	12.89	244	540078	54.88	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.34	70	55017	11.35	ng	# 80
25) Isophorone	7.34	82	397197	32.52	ng	# 66
49) Dimethylphthalate	9.53	163	176006	13.96	ng	99
56) 2,4-Dinitrotoluene	9.82	165	22611	6.80	ng	# 23
66) 4-Bromophenyl-phenylether	10.61	248	9736	3.34	ng	# 1
74) Fluoranthene	12.52	202	52879	3.44	ng	98
77) Pyrene	12.74	202	50042	3.23	ng	98
80) Benzo(a)anthracene	13.94	228	28187	2.08	ng	95
87) Benzo(b)fluoranthene	15.03	252	57540	3.88	ng	# 96
88) Benzo(k)fluoranthene	15.03	252	57540	4.62	ng	# 94

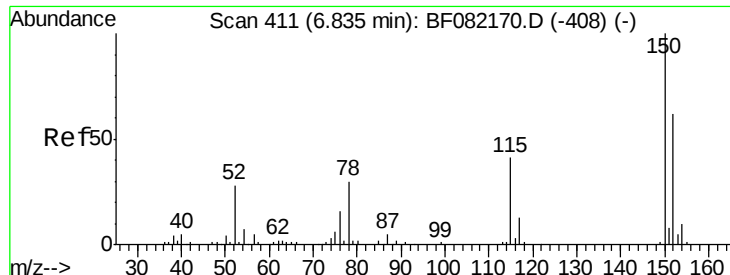
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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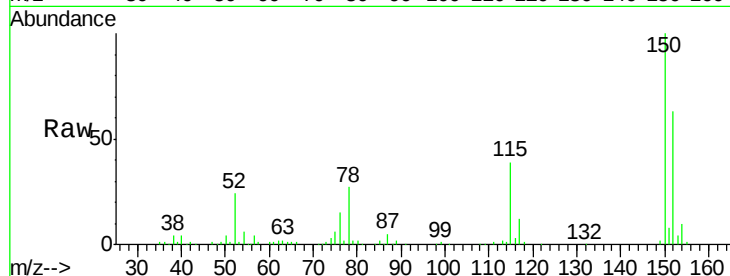


#1

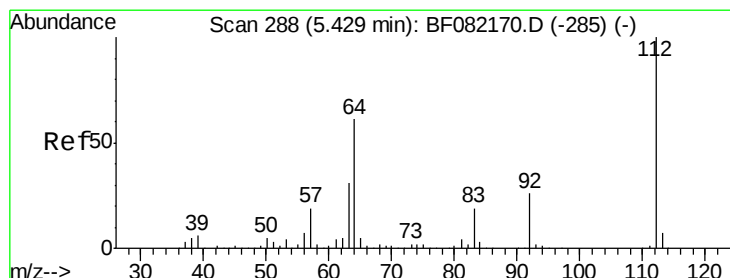
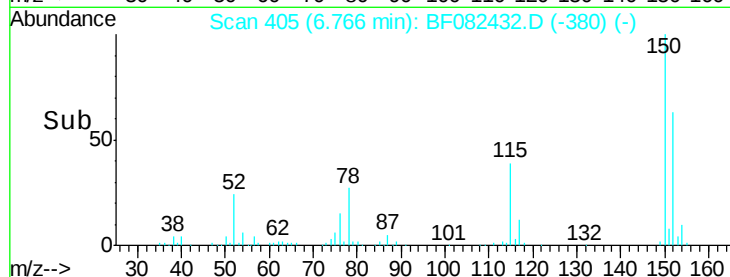
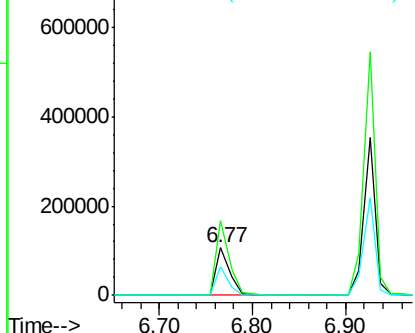
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.77 min Scan# 405
 Delta R.T. -0.01 min
 Lab File: BF082432.D
 Acq: 22 Oct 2015 5:35

Instrument :
 BNA_F
 ClientSampleId :
 BT-03(0-2)

Tot Ion:152 Resp: 107081
 Ion Ratio Lower Upper
 152 100
 150 157.7 129.0 193.4
 115 61.4 52.1 78.1



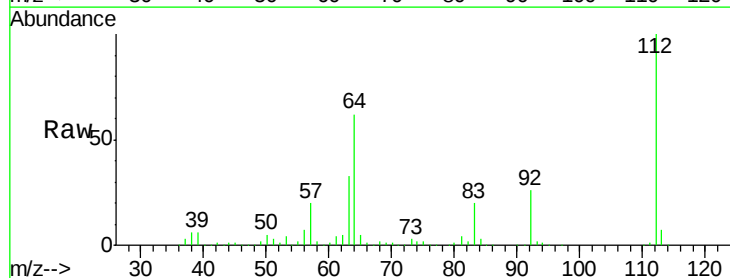
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



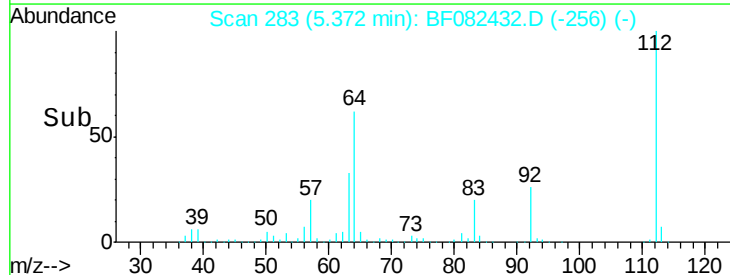
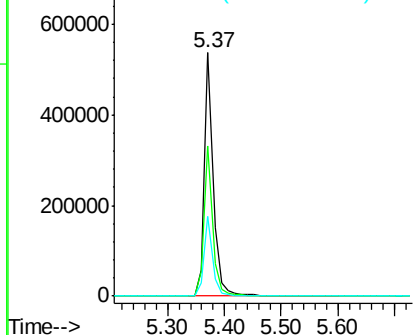
#5

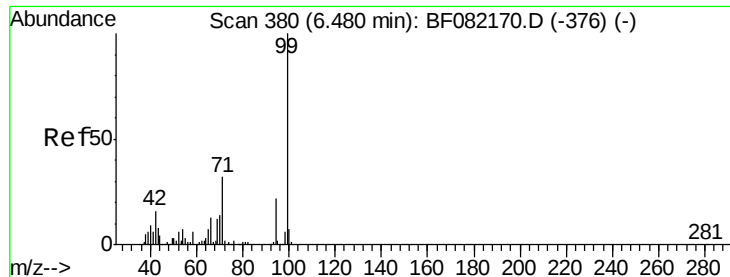
2-Fluorophenol
 Concen: 105.16 ng
 RT: 5.37 min Scan# 283
 Delta R.T. 0.01 min
 Lab File: BF082432.D
 Acq: 22 Oct 2015 5:35

Tgt Ion:112 Resp: 557945
 Ion Ratio Lower Upper
 112 100
 64 61.8 48.6 73.0
 63 33.0 25.1 37.7



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: 113.54 ng

RT: 6.42 min Scan# 375

Delta R.T. 0.00 min

Lab File: BF082432.D

Acq: 22 Oct 2015 5:35

Instrument :

BNA_F

ClientSampleId :

BT-03(0-2)

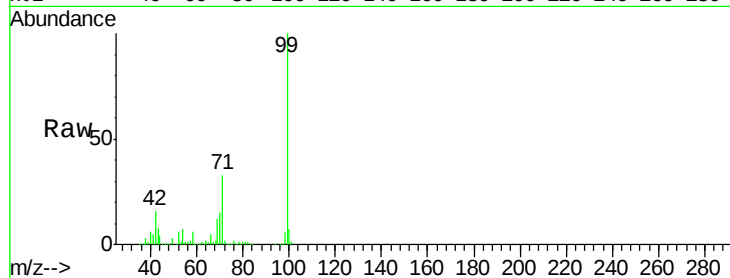
Tot Ion: 99 Resp: 783957

Ion Ratio Lower Upper

99 100

42 16.1 13.2 19.8

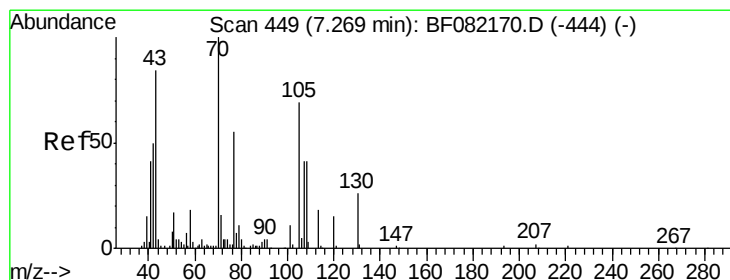
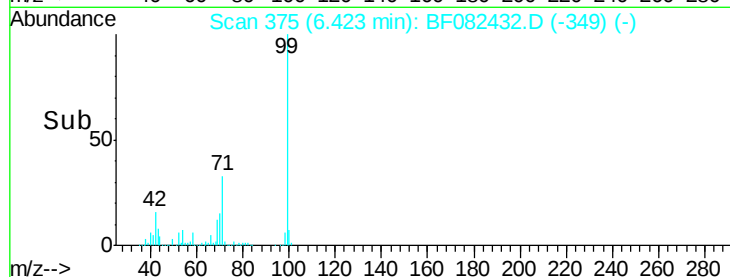
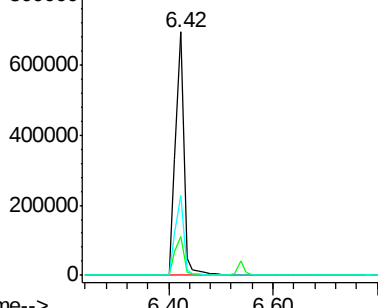
71 32.9 25.6 38.4



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: 11.35 ng

RT: 7.34 min Scan# 455

Delta R.T. 0.14 min

Lab File: BF082432.D

Acq: 22 Oct 2015 5:35

Tgt Ion: 70 Resp: 55017

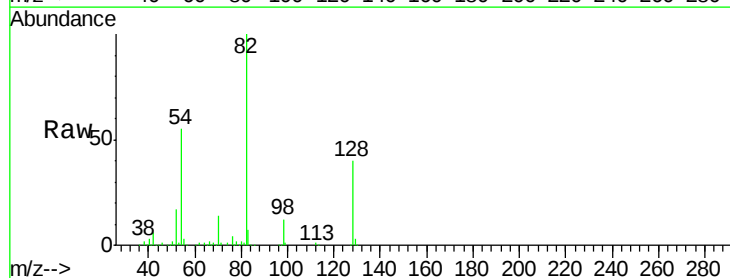
Ion Ratio Lower Upper

70 100

42 47.3 39.8 59.8

101 0.0 8.6 13.0#

130 1.9 20.5 30.7#

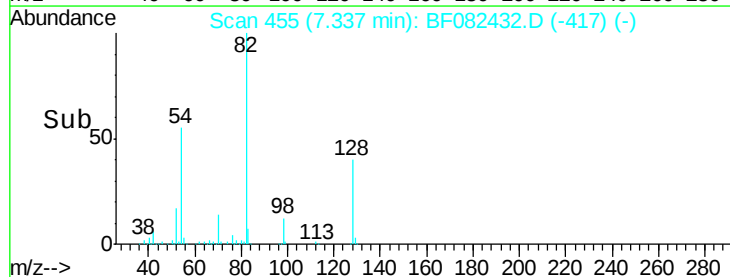
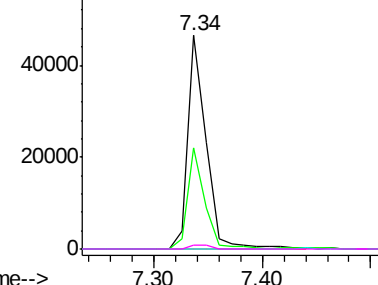


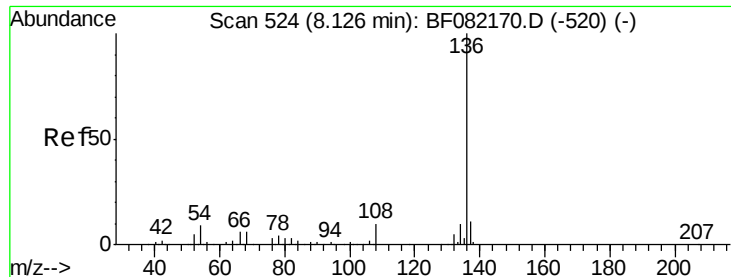
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 518

Delta R.T. -0.01 min

Lab File: BF082432.D

Acq: 22 Oct 2015 5:35

Instrument :

BNA_F

ClientSampleId :

BT-03(0-2)

Tot Ion:136 Resp: 406402

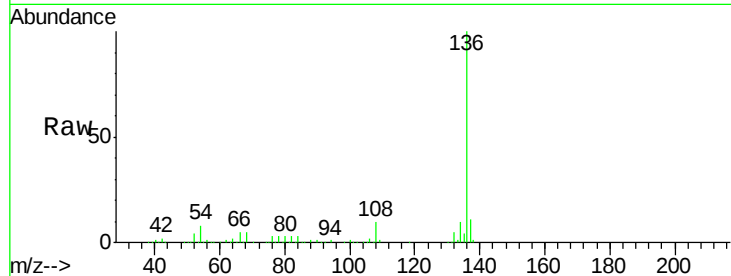
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 8.3 7.5 11.3

68 5.3 4.6 7.0

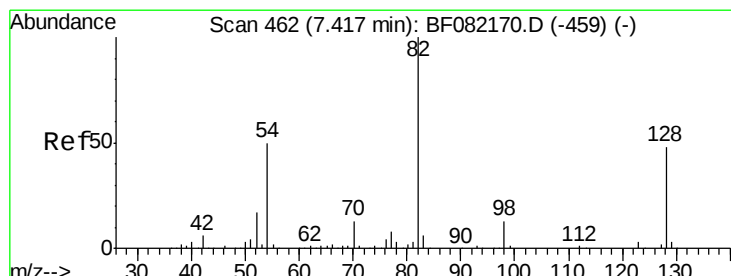
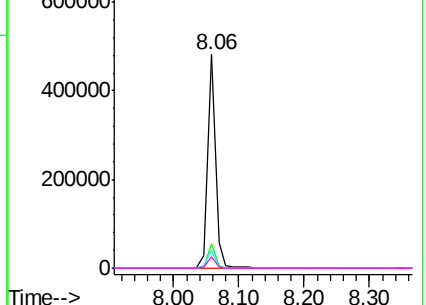
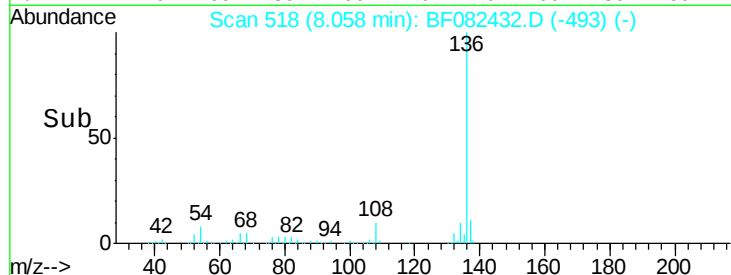


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.41 ng

RT: 7.34 min Scan# 455

Delta R.T. -0.01 min

Lab File: BF082432.D

Acq: 22 Oct 2015 5:35

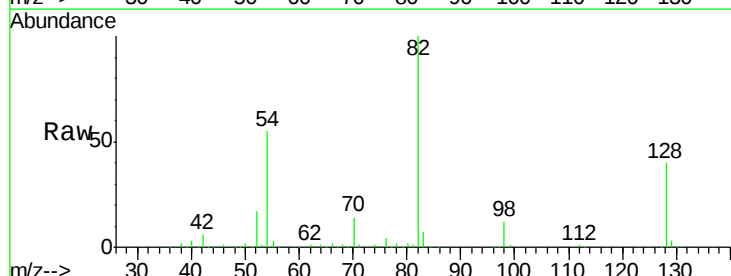
Tgt Ion: 82 Resp: 426118

Ion Ratio Lower Upper

82 100

128 39.8 38.7 58.1

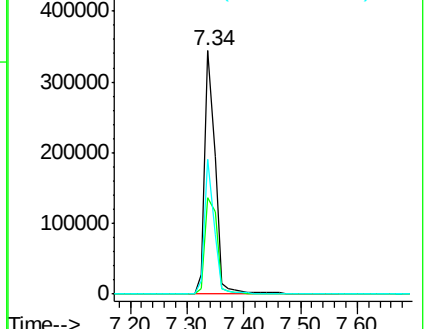
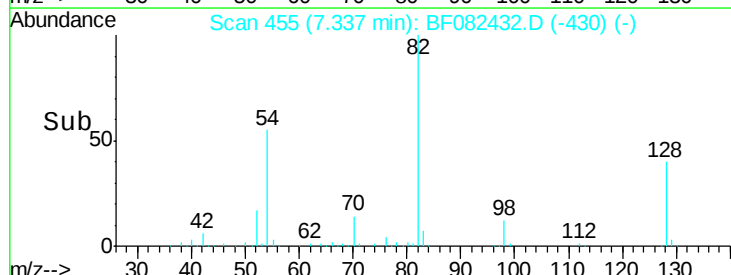
54 55.2 40.1 60.1

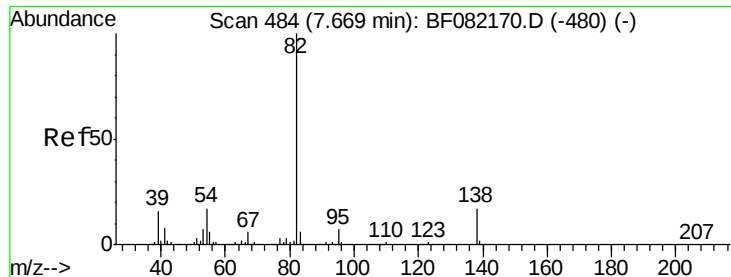


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 32.52 ng

RT: 7.34 min Scan# 455

Delta R.T. -0.27 min

Lab File: BF082432.D

Acq: 22 Oct 2015 5:35

Instrument :

BNA_F

ClientSampleId :

BT-03(0-2)

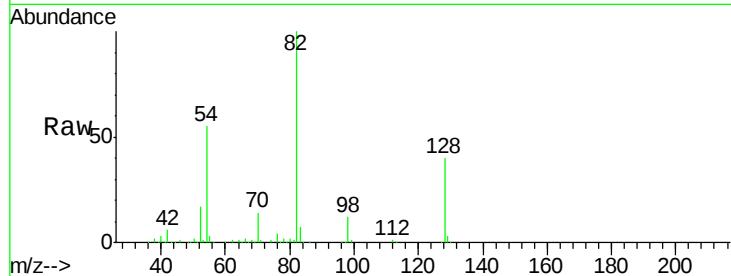
Tot Ion: 82 Resp: 397197

Ion Ratio Lower Upper

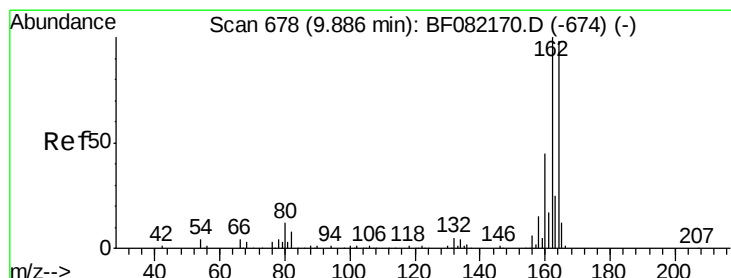
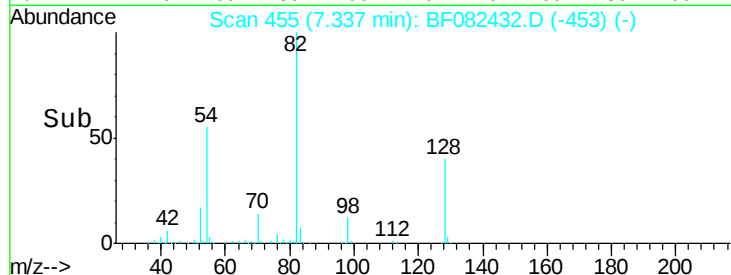
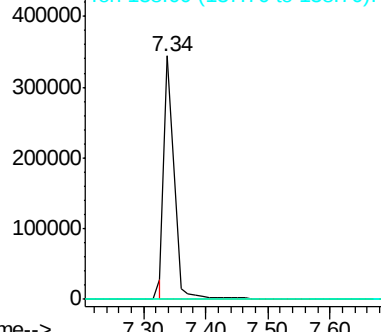
82 100

95 0.0 5.6 8.4#

138 0.0 13.6 20.4#



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: 9.82 min Scan# 672

Delta R.T. 0.00 min

Lab File: BF082432.D

Acq: 22 Oct 2015 5:35

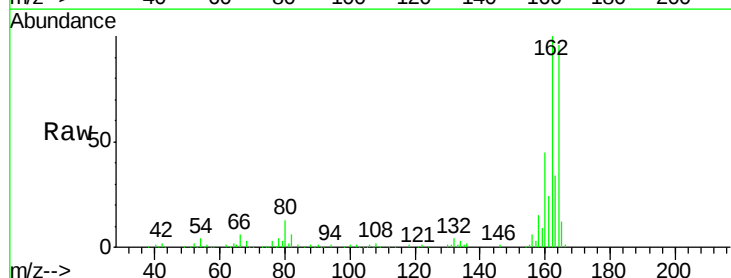
Tgt Ion:164 Resp: 179053

Ion Ratio Lower Upper

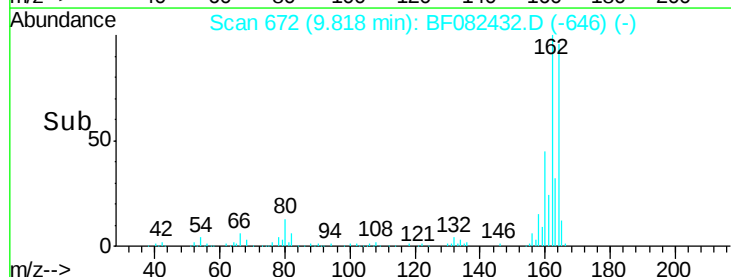
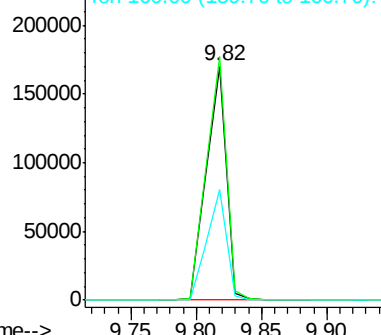
164 100

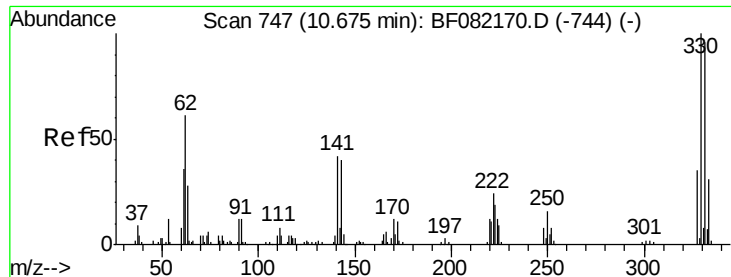
162 104.3 81.6 122.4

160 47.1 36.4 54.6



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

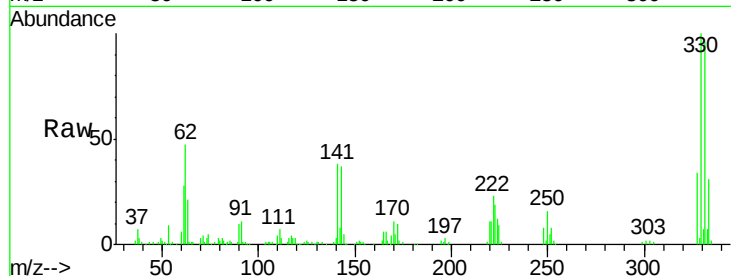




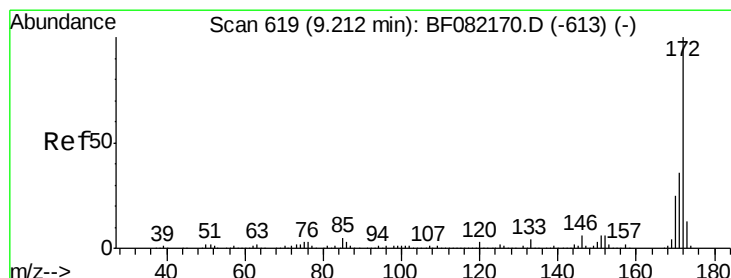
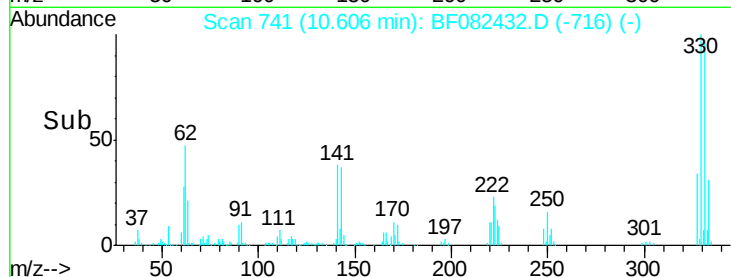
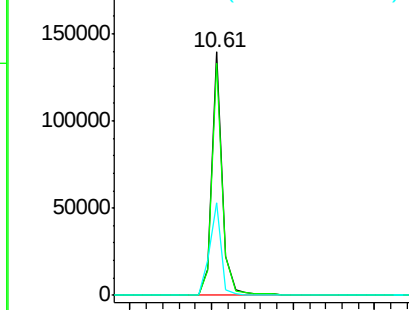
#41
 2,4,6-Tribromophenol
 Concen: 75.63 ng
 RT: 10.61 min Scan# 741
 Delta R.T. -0.01 min
 Lab File: BF082432.D
 Acq: 22 Oct 2015 5:35

Instrument :
 BNA_F
 ClientSampleId :
 BT-03(0-2)

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.1	115.7
141	42.9	29.8	44.8

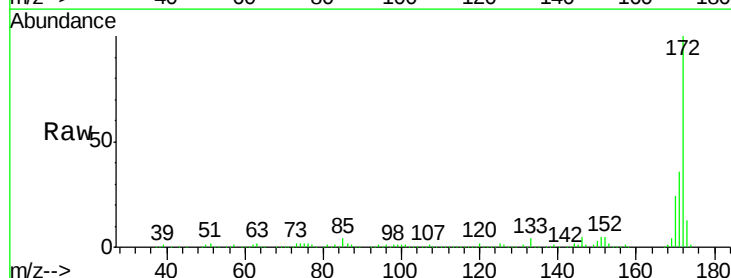


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

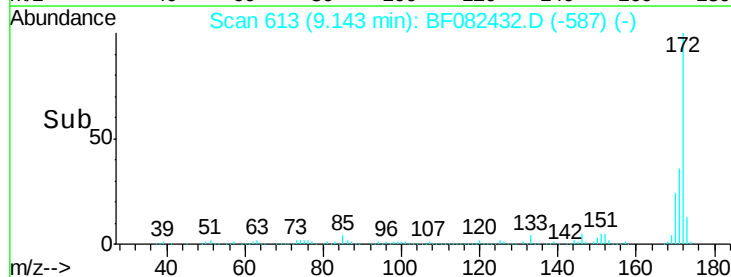
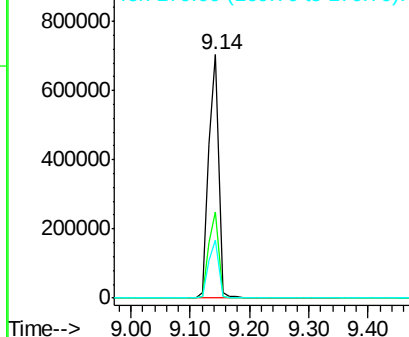


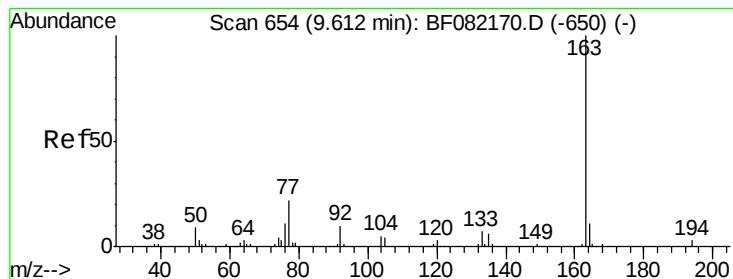
#44
 2-Fluorobiphenyl
 Concen: 76.88 ng
 RT: 9.14 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: BF082432.D
 Acq: 22 Oct 2015 5:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	42.8
170	24.1	19.7	29.5



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: 13.96 ng

RT: 9.53 min Scan# 647

Delta R.T. -0.02 min

Lab File: BF082432.D

Acq: 22 Oct 2015 5:35

Instrument :

BNA_F

ClientSampleId :

BT-03(0-2)

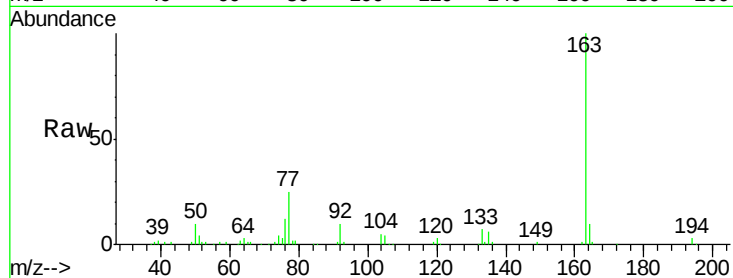
Tot Ion:163 Resp: 176006

Ion Ratio Lower Upper

163 100

194 2.9 2.6 4.0

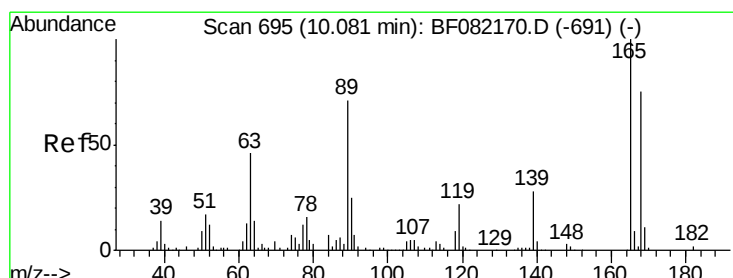
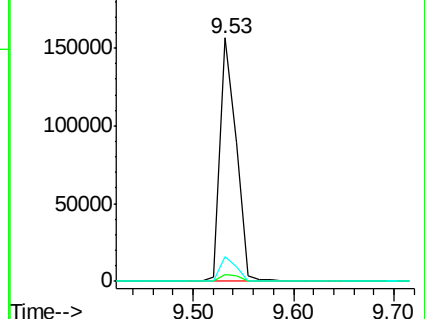
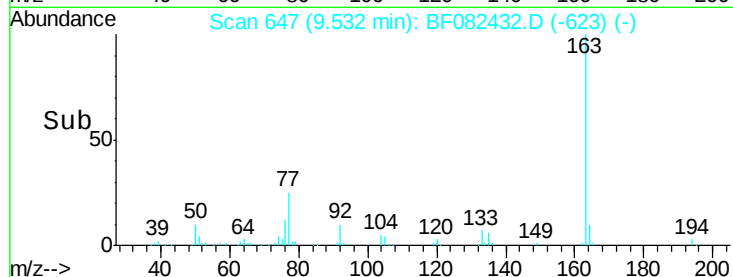
164 10.3 8.5 12.7



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



#56

2,4-Dinitrotoluene

Concen: 6.80 ng

RT: 9.82 min Scan# 672

Delta R.T. -0.21 min

Lab File: BF082432.D

Acq: 22 Oct 2015 5:35

Tgt Ion:165 Resp: 22611

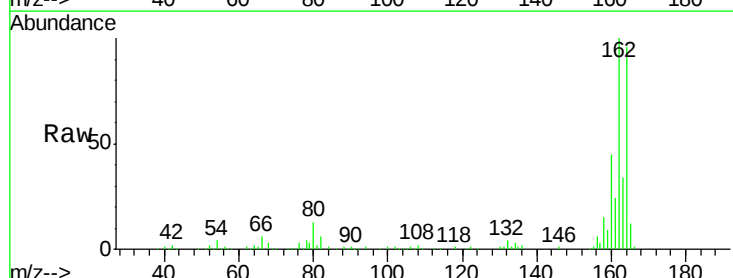
Ion Ratio Lower Upper

165 100

63 1.6 38.6 58.0#

89 1.6 57.0 85.6#

182 0.0 1.8 2.6#

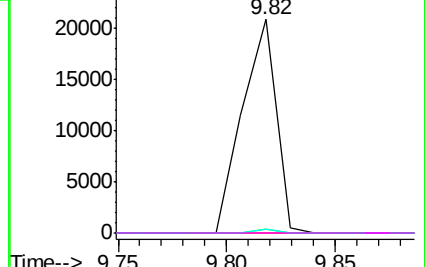
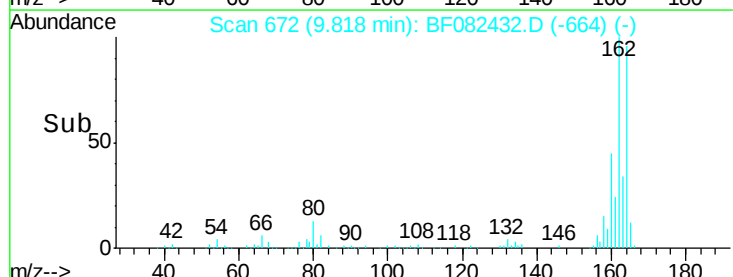


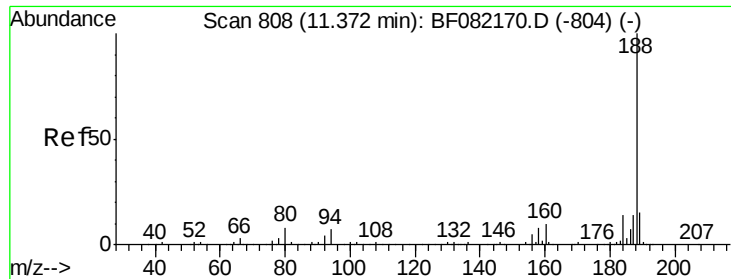
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

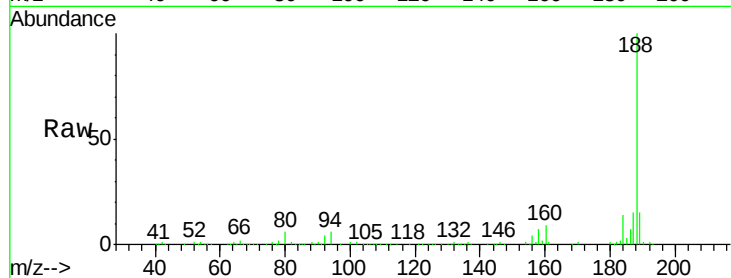




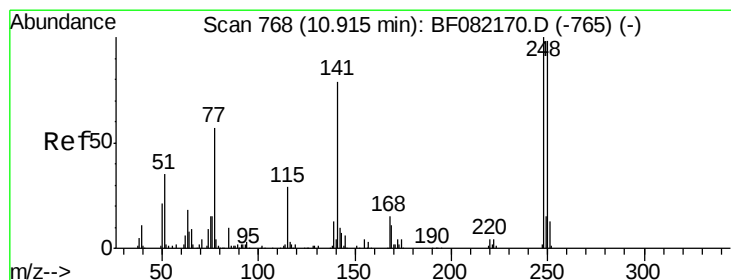
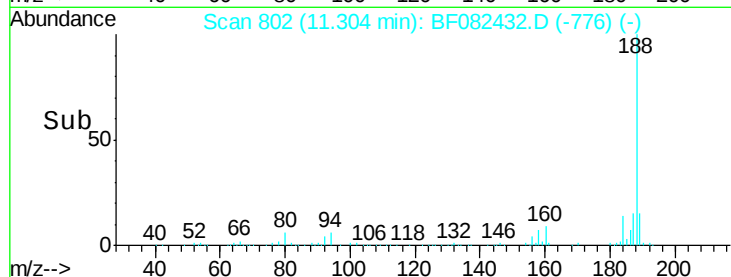
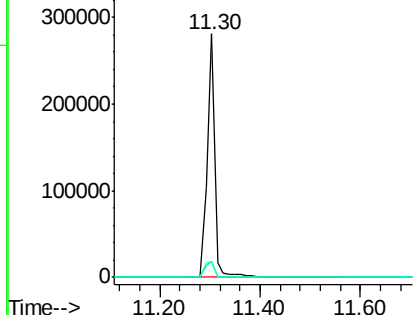
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF082432.D
Acq: 22 Oct 2015 5:35

Instrument :
BNA_F
ClientSampleId :
BT-03(0-2)

Tot Ion:188 Resp: 291614
Ion Ratio Lower Upper
188 100
94 6.2 5.8 8.6
80 6.3 6.4 9.6#

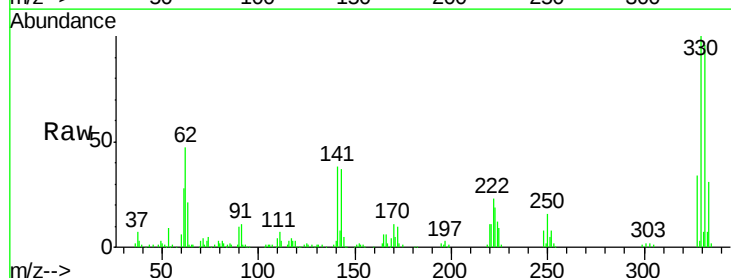


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

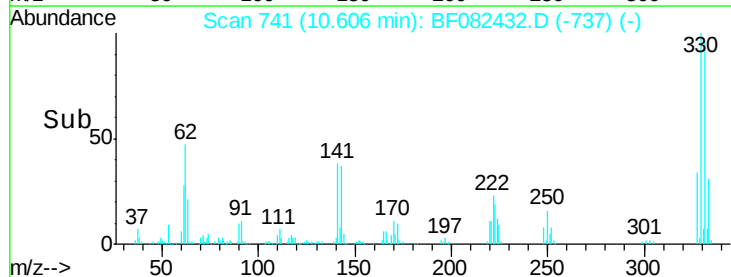
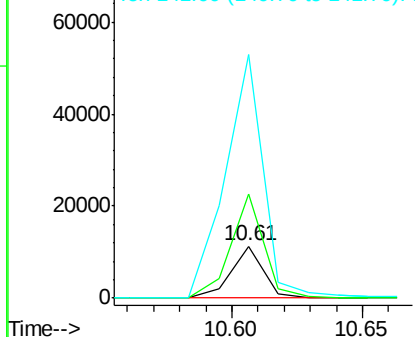


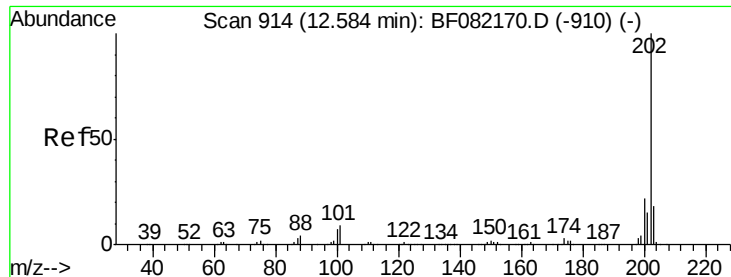
#66
4-Bromophenyl-phenylether
Concen: 3.34 ng
RT: 10.61 min Scan# 741
Delta R.T. -0.25 min
Lab File: BF082432.D
Acq: 22 Oct 2015 5:35

Tgt Ion:248 Resp: 9736
Ion Ratio Lower Upper
248 100
250 202.0 78.6 117.8#
141 471.9 63.3 94.9#



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





#74

Fluoranthene

Concen: 3.44 ng

RT: 12.52 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF082432.D

Acq: 22 Oct 2015 5:35

Instrument :

BNA_F

ClientSampleId :

BT-03(0-2)

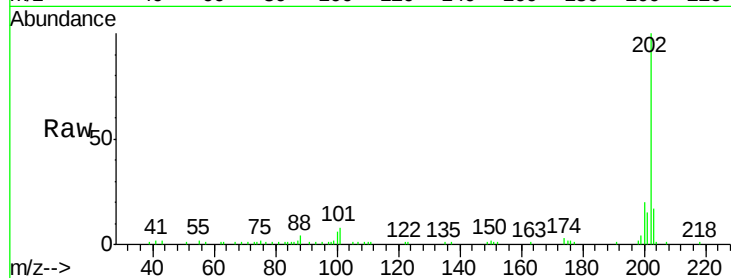
Tot Ion:202 Resp: 52879

Ion Ratio Lower Upper

202 100

101 7.9 0.0 29.3

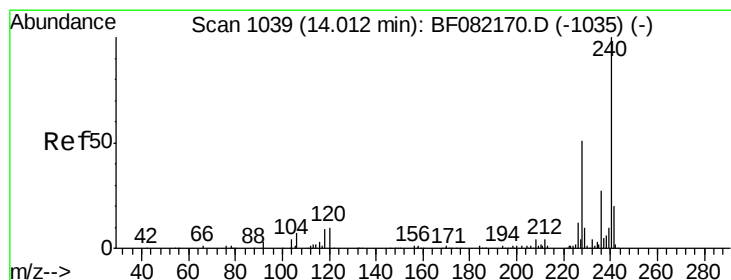
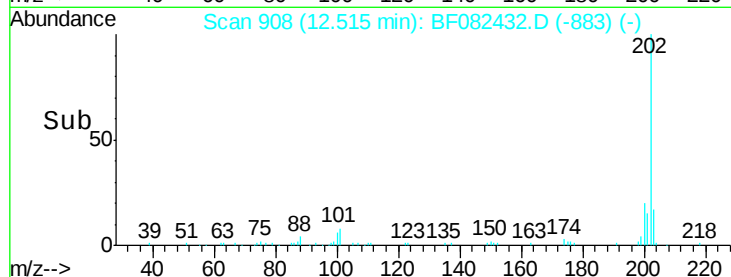
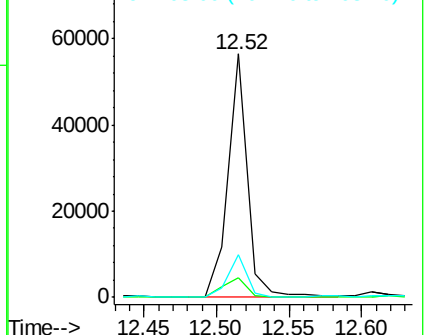
203 17.4 0.0 37.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1034

Delta R.T. -0.06 min

Lab File: BF082432.D

Acq: 22 Oct 2015 5:35

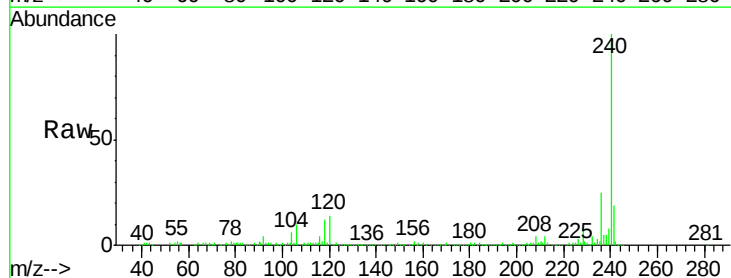
Tgt Ion:240 Resp: 260763

Ion Ratio Lower Upper

240 100

120 13.9 8.1 12.1#

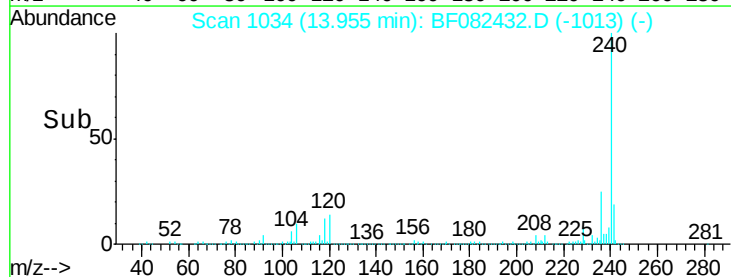
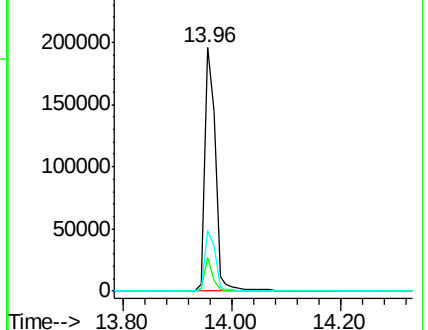
236 24.8 21.3 31.9

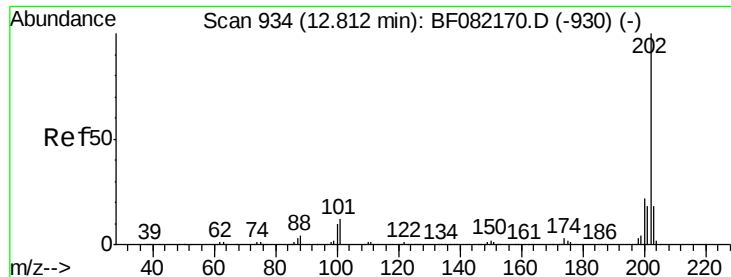


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.23 ng

RT: 12.74 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF082432.D

Acq: 22 Oct 2015 5:35

Instrument :

BNA_F

ClientSampleId :

BT-03(0-2)

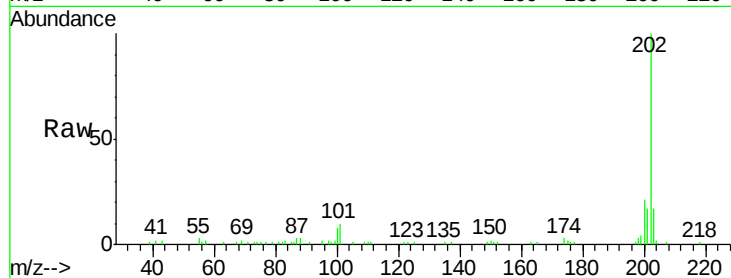
Tot Ion:202 Resp: 50042

Ion Ratio Lower Upper

202 100

200 20.8 17.9 26.9

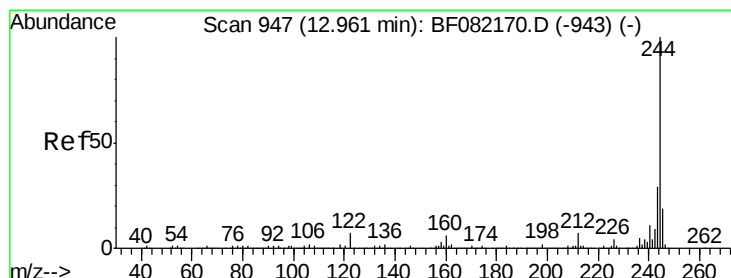
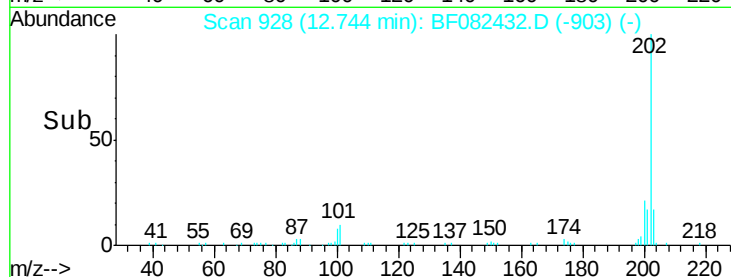
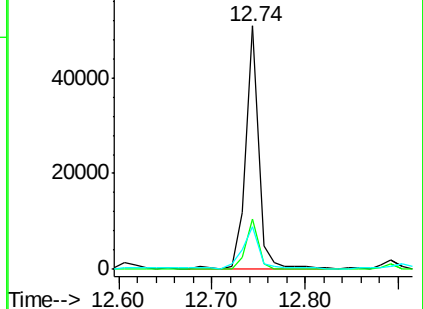
203 17.5 14.5 21.7



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: 54.88 ng

RT: 12.89 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF082432.D

Acq: 22 Oct 2015 5:35

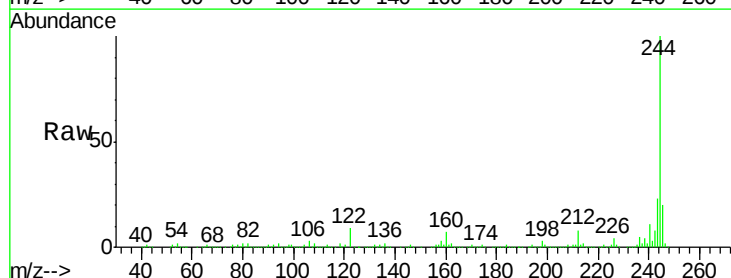
Tgt Ion:244 Resp: 540078

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

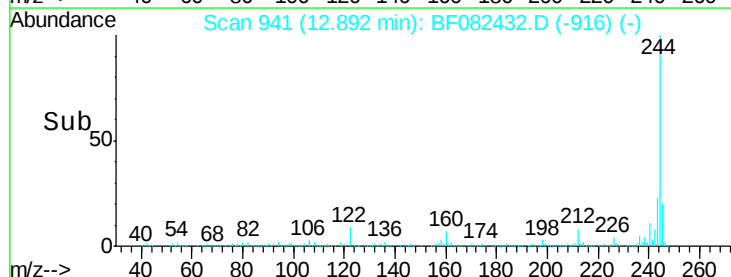
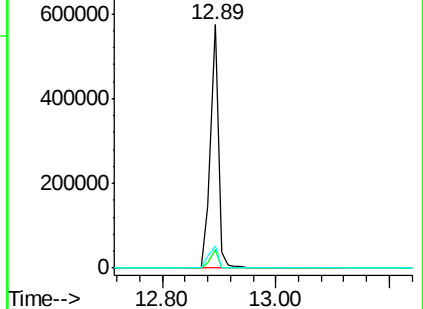
122 9.1 5.9 8.9#

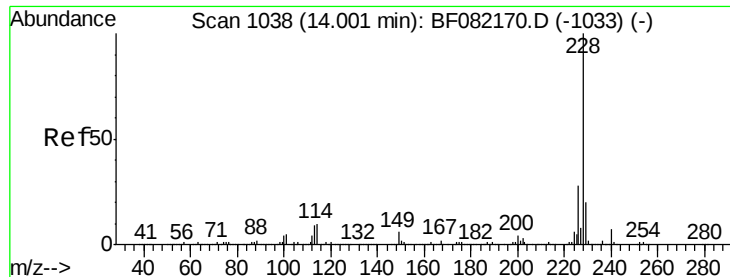


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.08 ng

RT: 13.94 min Scan# 1033

Delta R.T. -0.05 min

Lab File: BF082432.D

Acq: 22 Oct 2015 5:35

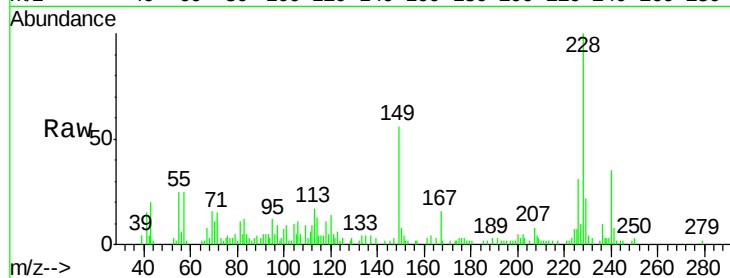
Instrument :

BNA_F

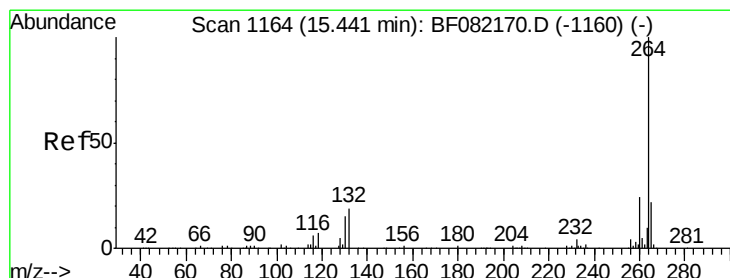
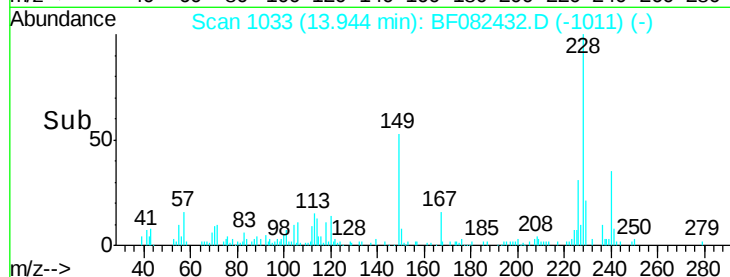
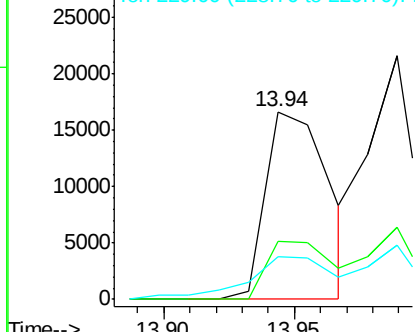
ClientSampleId :

BT-03(0-2)

Tot Ion:228	Resp:	28187
Ion	Ratio	Lower Upper
228	100	
226	31.0	22.3 33.5
229	22.5	16.2 24.2



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

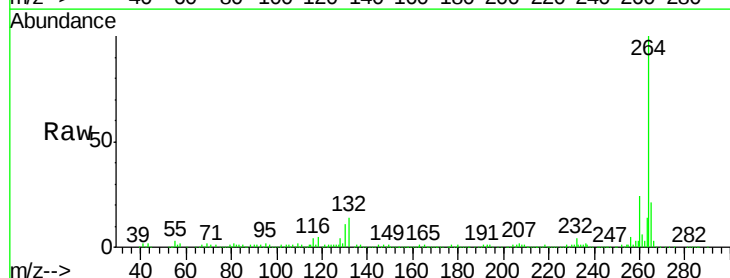
RT: 15.44 min Scan# 1164

Delta R.T. -0.09 min

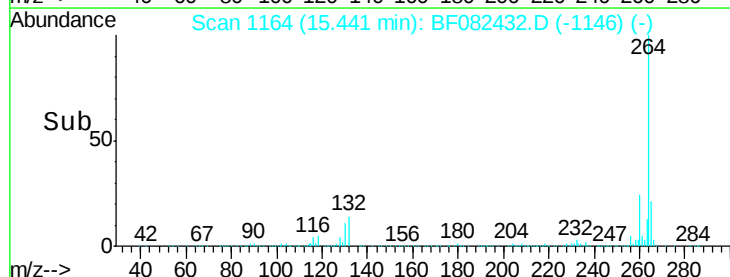
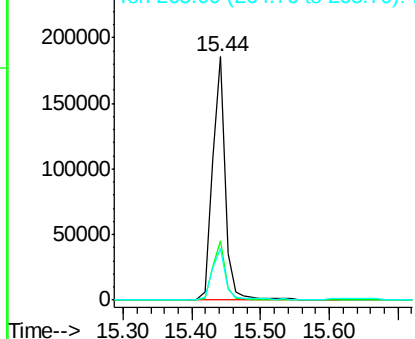
Lab File: BF082432.D

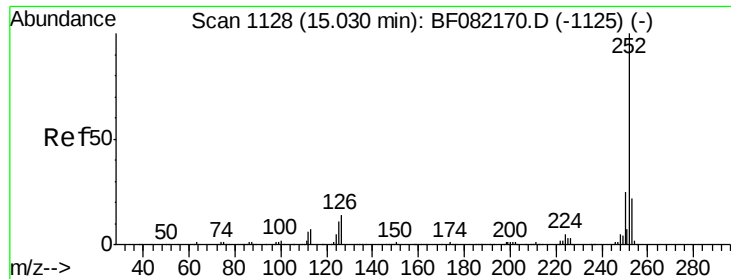
Acq: 22 Oct 2015 5:35

Tgt Ion:264	Resp:	243661
Ion	Ratio	Lower Upper
264	100	
260	24.5	19.0 28.6
265	21.3	17.3 25.9



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: 3.88 ng

RT: 15.03 min Scan# 1128

Delta R.T. -0.10 min

Lab File: BF082432.D

Acq: 22 Oct 2015 5:35

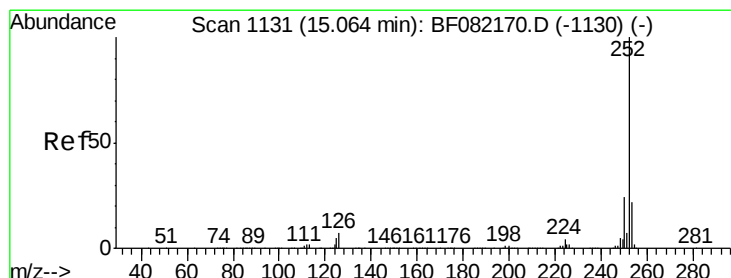
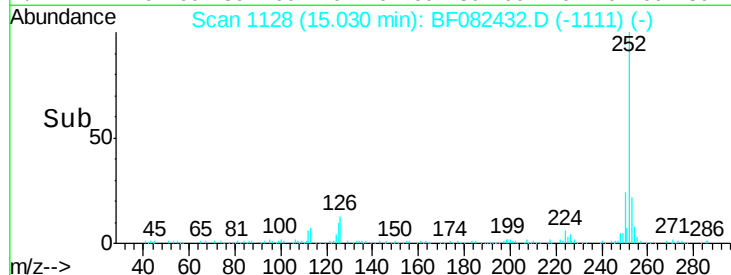
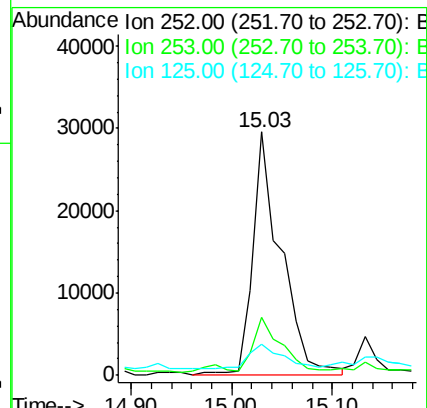
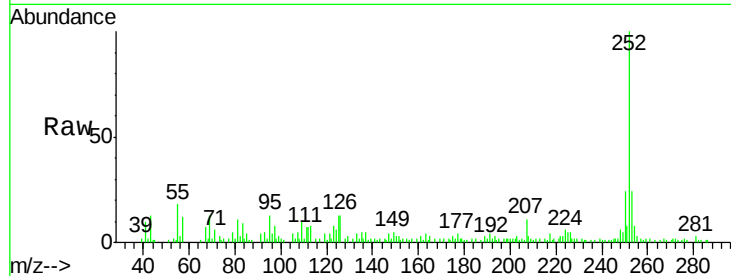
Instrument :

BNA_F

ClientSampleId :

BT-03(0-2)

Tot Ion:252	Resp:	57540
Ion Ratio	Lower	Upper
252	100	
253	23.9	18.0 27.0
125	12.9	8.6 12.8#



#88

Benzo(k)fluoranthene

Concen: 4.62 ng

RT: 15.03 min Scan# 1128

Delta R.T. -0.13 min

Lab File: BF082432.D

Acq: 22 Oct 2015 5:35

Tgt Ion:252	Resp:	57540
Ion Ratio	Lower	Upper
252	100	
253	23.9	17.8 26.6
125	12.9	6.7 10.1#

