

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102315\
 Data File : BF082502.D
 Acq On : 24 Oct 2015 9:38
 Operator : UM/IZ
 Sample : G4116-15RE
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

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

Quant Time: Oct 24 23:21:06 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 23 15:17:13 2015
 Response via : Initial Calibration

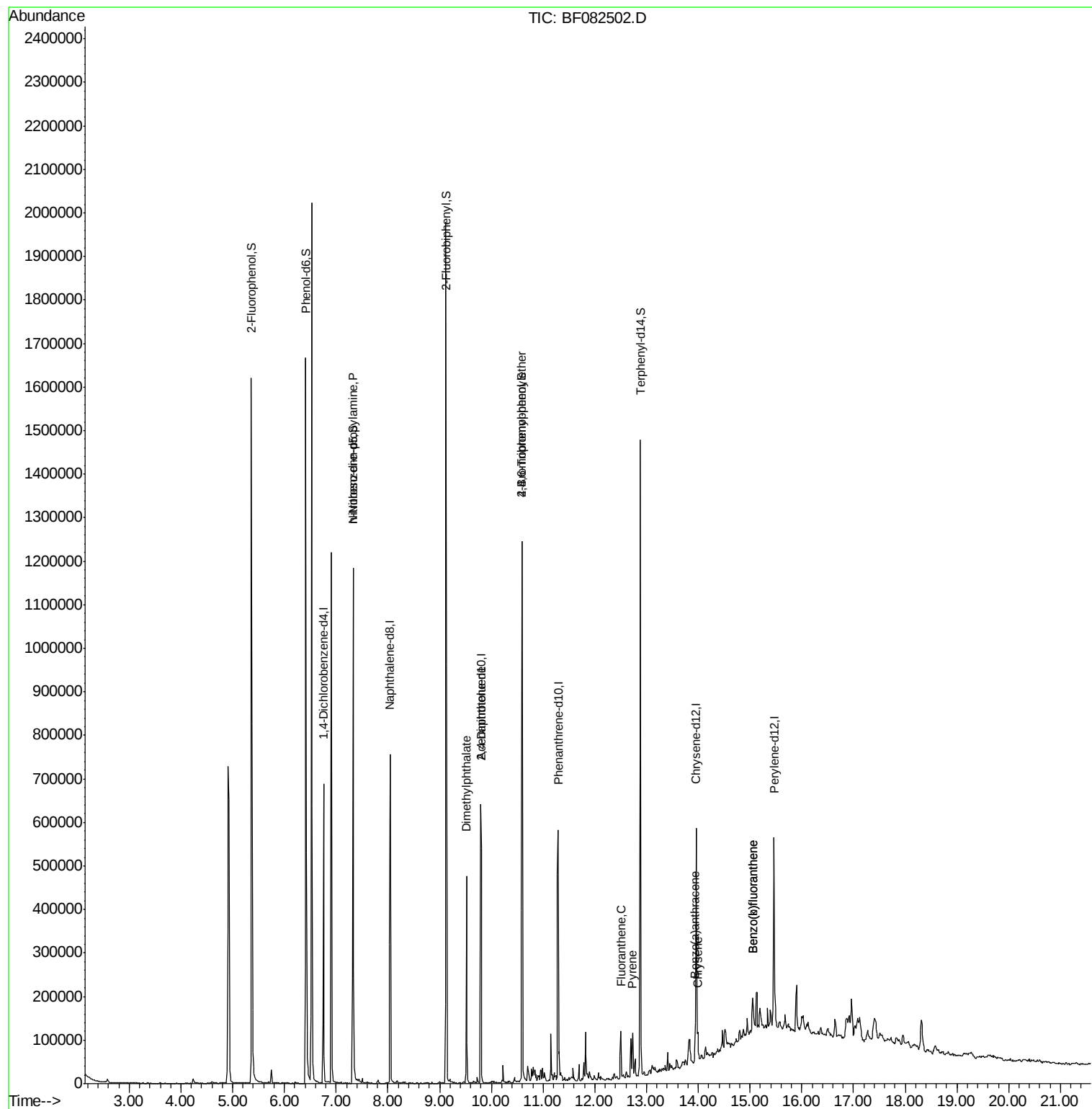
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	110313	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	406412	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	183710	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	320478	20.00	ng	0.00
75) Chrysene-d12	13.96	240	237516	20.00	ng	-0.08
86) Perylene-d12	15.46	264	234365	20.00	ng	-0.16
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	569459	104.18	ng	0.01
7) Phenol-d6	6.41	99	688933	96.86	ng	-0.01
23) Nitrobenzene-d5	7.33	82	430815	71.19	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	139845	81.17	ng	-0.01
44) 2-Fluorobiphenyl	9.12	172	779434	70.36	ng	-0.01
78) Terphenyl-d14	12.88	244	546220	60.94	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.33	70	56156	11.24	ng	# 79
49) Dimethylphthalate	9.52	163	193531	14.96	ng	99
56) 2,4-Dinitrotoluene	9.79	165	23820	6.98	ng	# 21
66) 4-Bromophenyl-phenylether	10.59	248	10969	3.42	ng	# 1
74) Fluoranthene	12.50	202	52736	3.13	ng	98
77) Pyrene	12.73	202	47788	3.39	ng	98
80) Benzo(a)anthracene	13.94	228	24854	2.01	ng	96
82) Chrysene	13.99	228	26082	2.00	ng	97
87) Benzo(b)fluoranthene	15.05	252	54678	3.83	ng	97
88) Benzo(k)fluoranthene	15.05	252	54678	4.56	ng	# 95

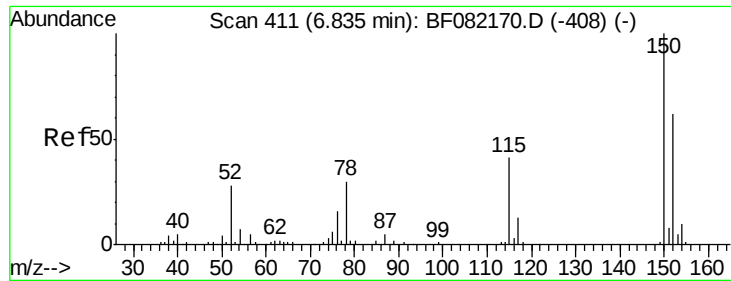
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102315\
Data File : BF082502.D
Acq On : 24 Oct 2015 9:38
Operator : UM/IZ
Sample : G4116-15RE
Misc :
ALS Vial : 31 Sample Multiplier: 1

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

Quant Time: Oct 24 23:21:06 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 23 15:17:13 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF082502.D

Acq: 24 Oct 2015 9:38

Instrument :

BNA_F

ClientSampleId :

BT-03(0-2)

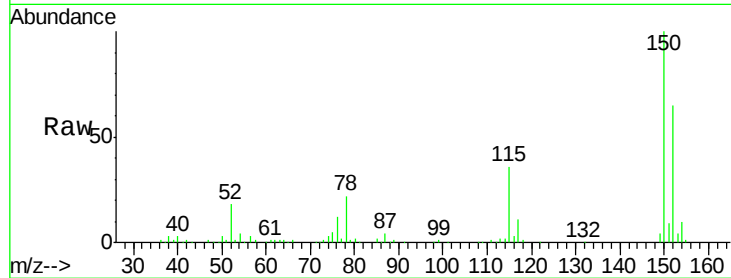
Tgt Ion:152 Resp: 110313

Ion Ratio Lower Upper

152 100

150 153.4 129.0 193.4

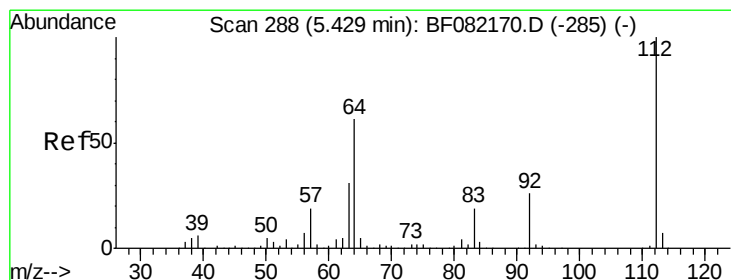
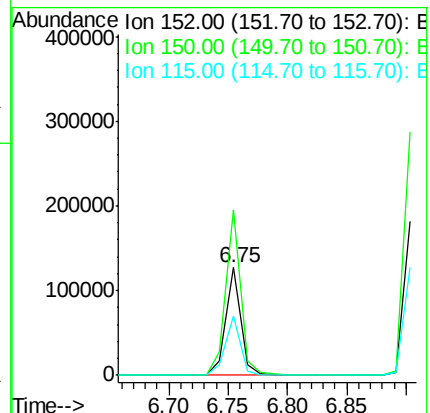
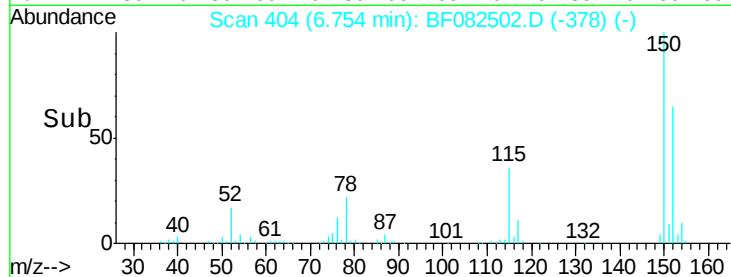
115 55.2 52.1 78.1



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: 104.18 ng

RT: 5.36 min Scan# 282

Delta R.T. 0.01 min

Lab File: BF082502.D

Acq: 24 Oct 2015 9:38

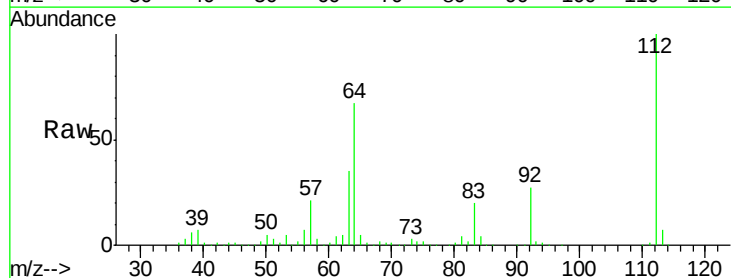
Tgt Ion:112 Resp: 569459

Ion Ratio Lower Upper

112 100

64 66.7 48.6 73.0

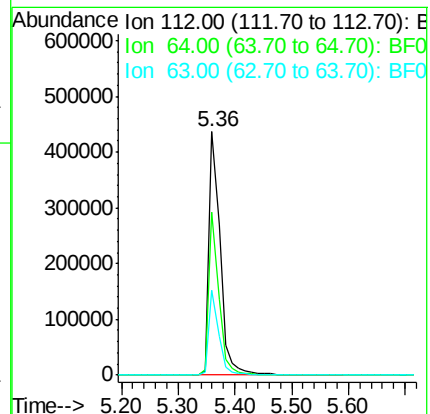
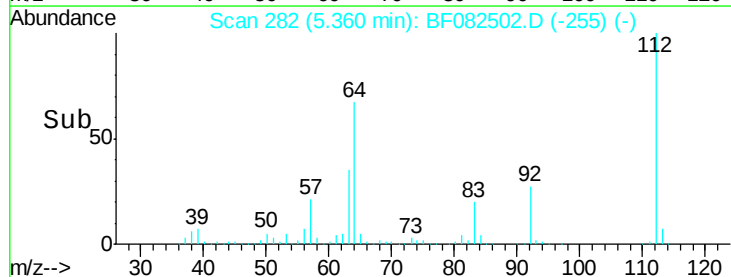
63 35.1 25.1 37.7

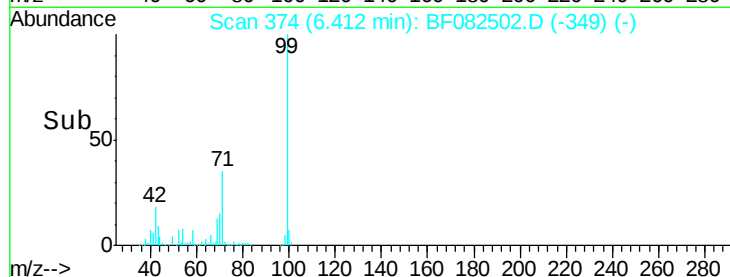
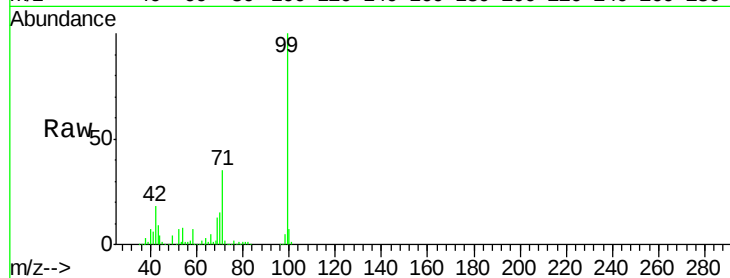
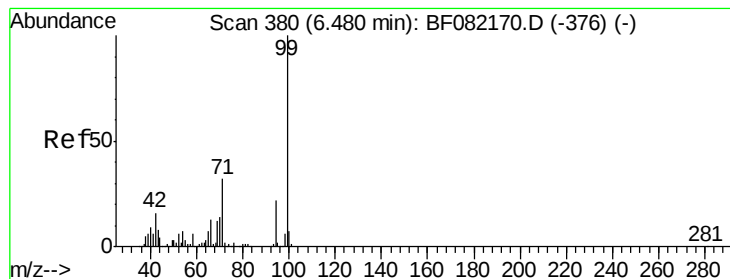


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 96.86 ng

RT: 6.41 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF082502.D

Acq: 24 Oct 2015 9:38

Instrument :

BNA_F

ClientSampleId :

BT-03(0-2)

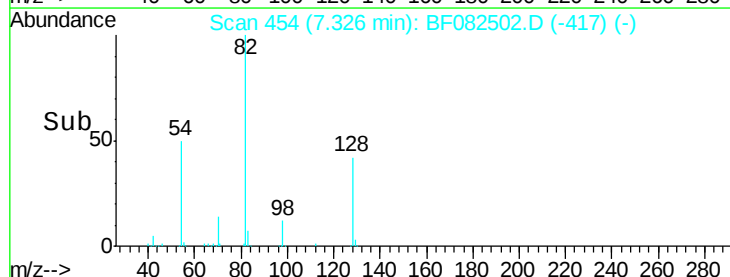
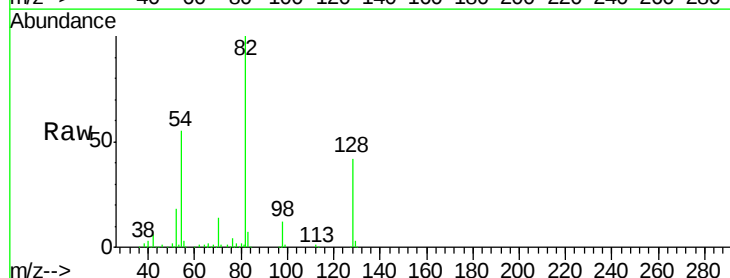
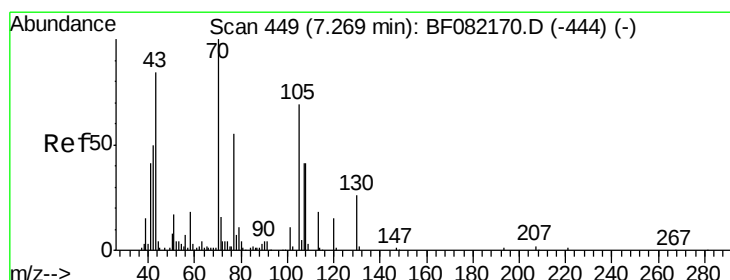
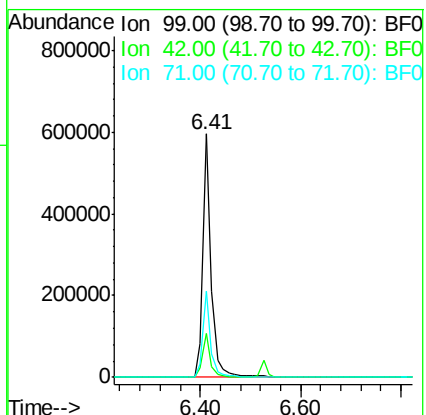
Tgt Ion: 99 Resp: 688933

Ion Ratio Lower Upper

99 100

42 18.3 13.2 19.8

71 35.2 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 11.24 ng

RT: 7.33 min Scan# 454

Delta R.T. 0.13 min

Lab File: BF082502.D

Acq: 24 Oct 2015 9:38

Tgt Ion: 70 Resp: 56156

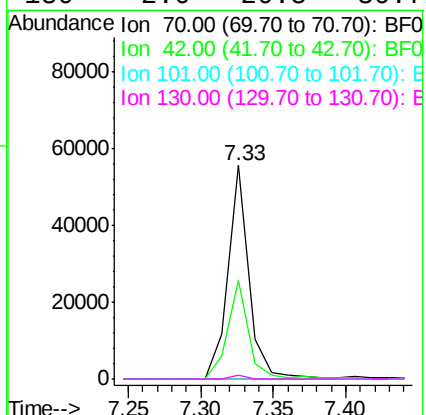
Ion Ratio Lower Upper

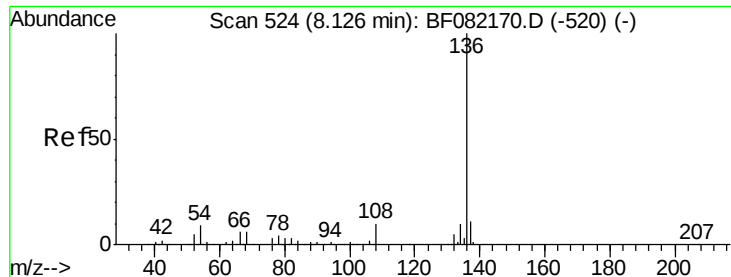
70 100

42 45.9 39.8 59.8

101 0.0 8.6 13.0#

130 2.0 20.5 30.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 517

Delta R.T. 0.00 min

Lab File: BF082502.D

Acq: 24 Oct 2015 9:38

Instrument :

BNA_F

ClientSampleId :

BT-03(0-2)

Tgt Ion:136 Resp: 406412

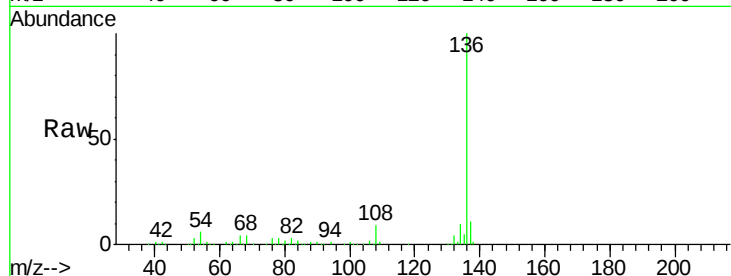
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.6

54 6.1 7.5 11.3#

68 4.1 4.6 7.0#

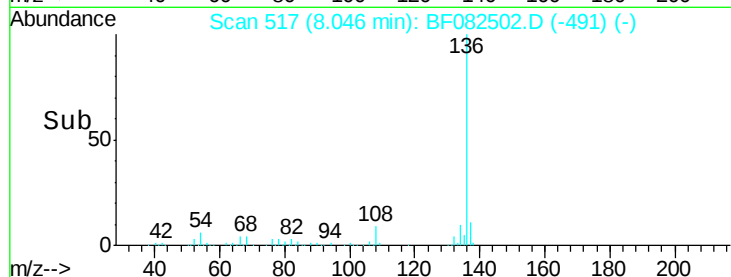


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

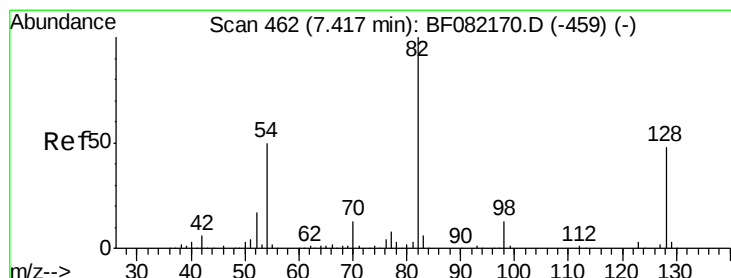
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

8.05



#23

Nitrobenzene-d5

Concen: 71.19 ng

RT: 7.33 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF082502.D

Acq: 24 Oct 2015 9:38

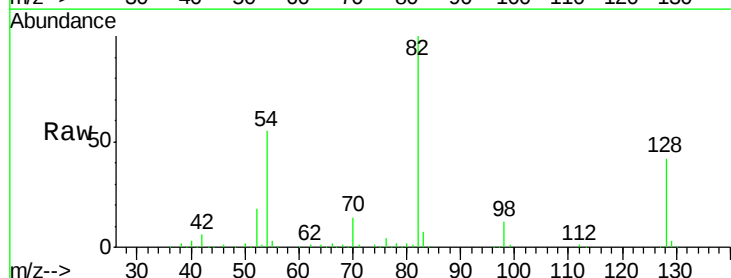
Tgt Ion: 82 Resp: 430815

Ion Ratio Lower Upper

82 100

128 42.3 38.7 58.1

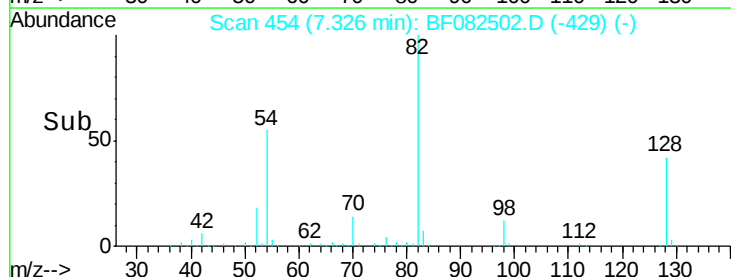
54 54.9 40.1 60.1



Abundance Ion 82.00 (81.70 to 82.70): BF0

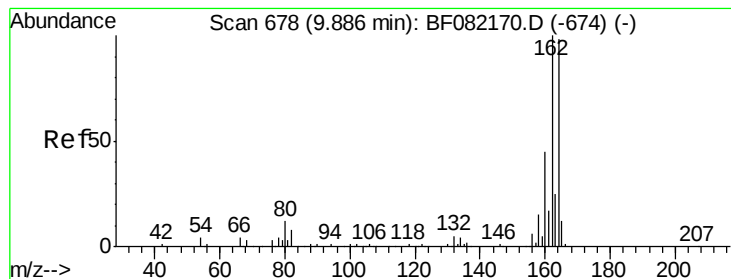
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

7.33



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.79 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF082502.D

Acq: 24 Oct 2015 9:38

Instrument :

BNA_F

ClientSampleId :

BT-03(0-2)

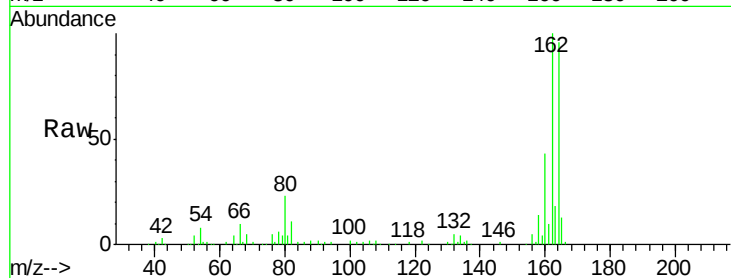
Tgt Ion:164 Resp: 183710

Ion Ratio Lower Upper

164 100

162 103.8 81.6 122.4

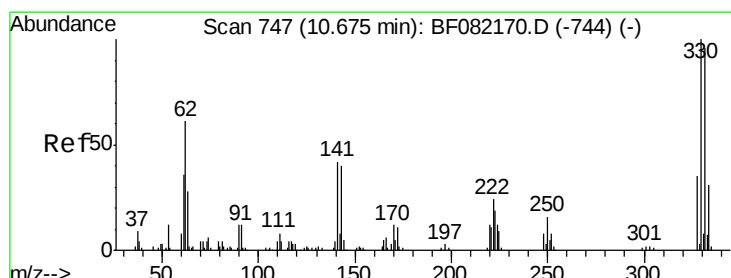
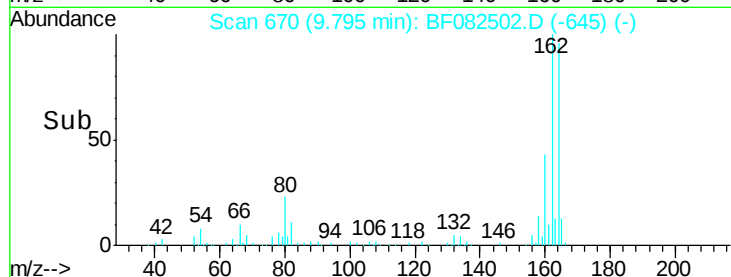
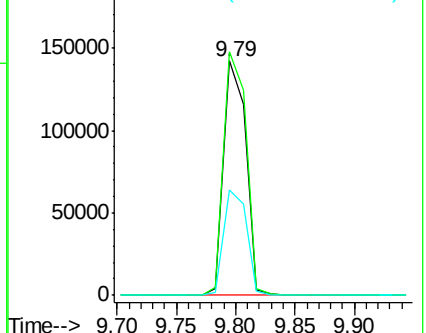
160 44.7 36.4 54.6



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: 81.17 ng

RT: 10.59 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF082502.D

Acq: 24 Oct 2015 9:38

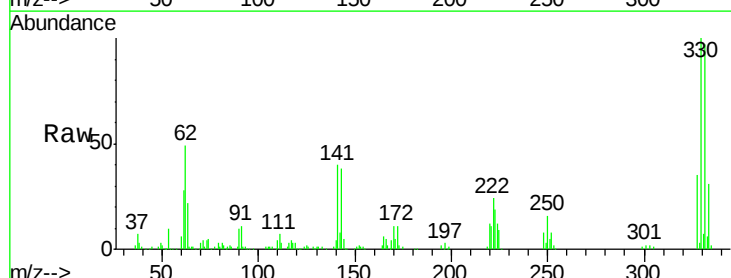
Tgt Ion:330 Resp: 139845

Ion Ratio Lower Upper

330 100

332 96.0 77.1 115.7

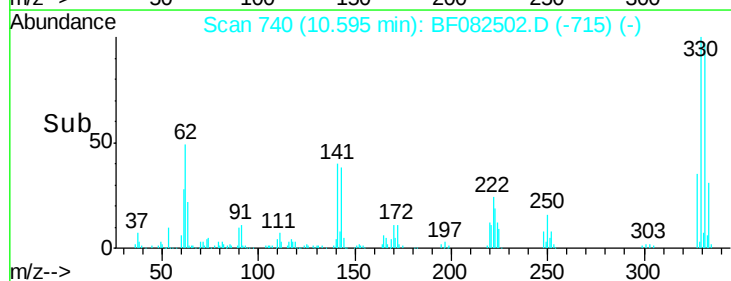
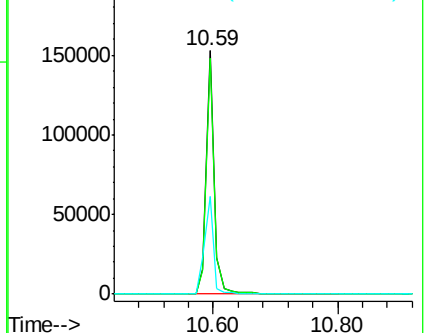
141 44.4 29.8 44.8

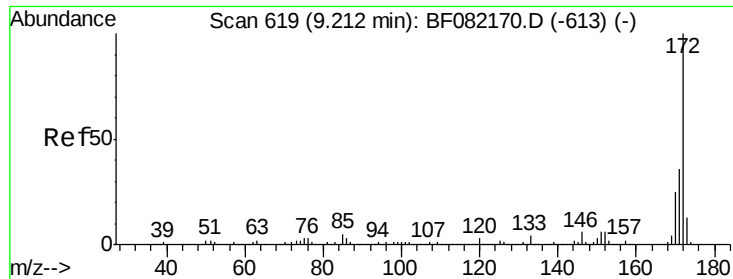


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

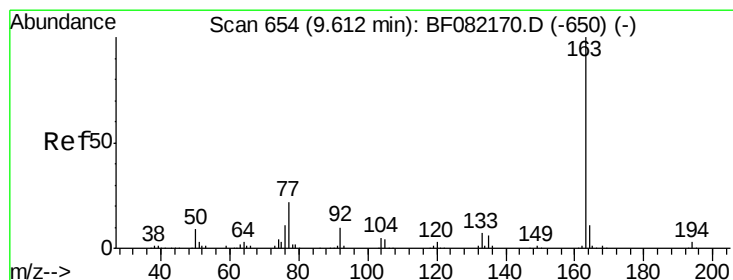
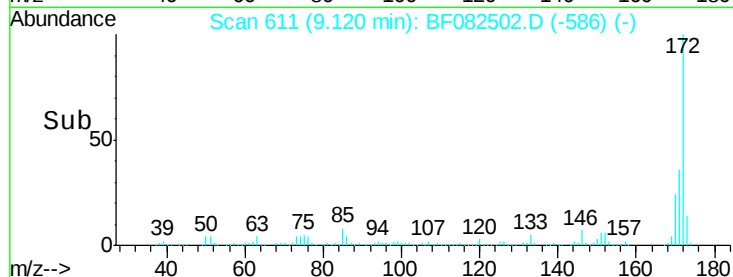
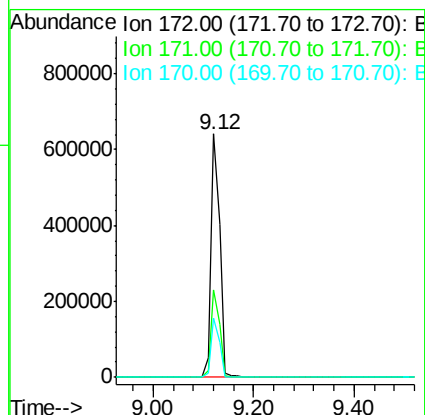
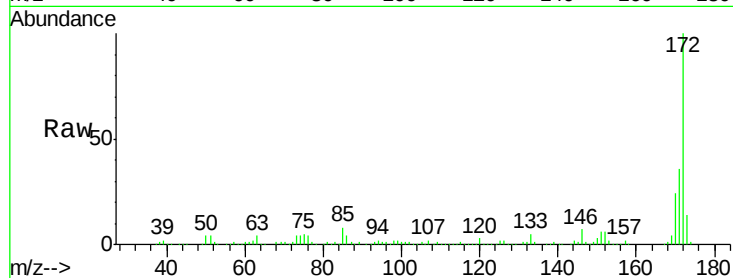




#44
2-Fluorobiphenyl
Concen: 70.36 ng
RT: 9.12 min Scan# 611
Delta R.T. -0.01 min
Lab File: BF082502.D
Acq: 24 Oct 2015 9:38

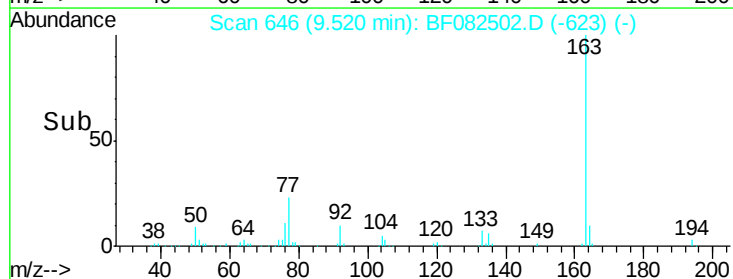
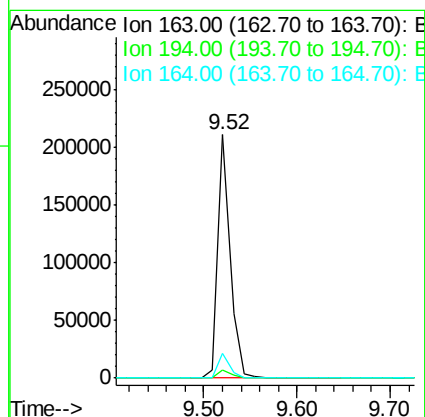
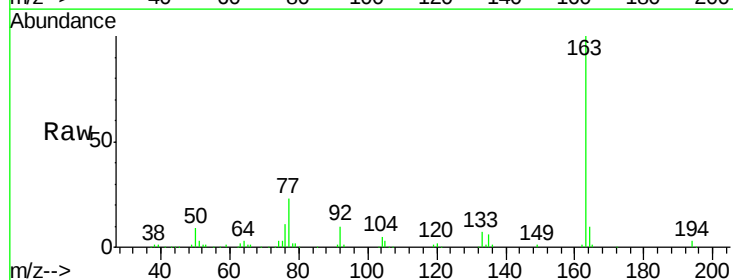
Instrument :
BNA_F
ClientSampleId :
BT-03(0-2)

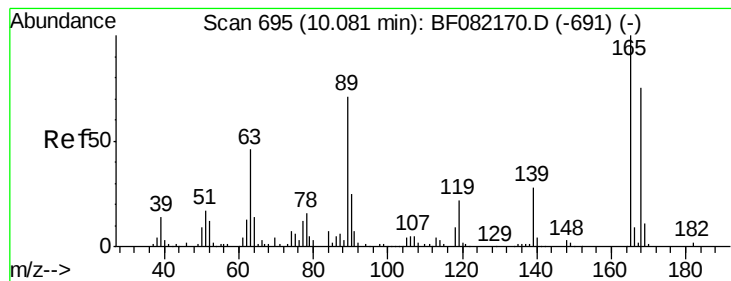
Tgt Ion:172 Resp: 779434
Ion Ratio Lower Upper
172 100
171 35.8 28.6 42.8
170 24.1 19.7 29.5



#49
Dimethylphthalate
Concen: 14.96 ng
RT: 9.52 min Scan# 646
Delta R.T. -0.03 min
Lab File: BF082502.D
Acq: 24 Oct 2015 9:38

Tgt Ion:163 Resp: 193531
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 10.3 8.5 12.7





#56

2,4-Dinitrotoluene

Concen: 6.98 ng

RT: 9.79 min Scan# 670

Delta R.T. -0.23 min

Lab File: BF082502.D

Acq: 24 Oct 2015 9:38

Instrument :

BNA_F

ClientSampleId :

BT-03(0-2)

Tgt Ion:165 Resp: 23820

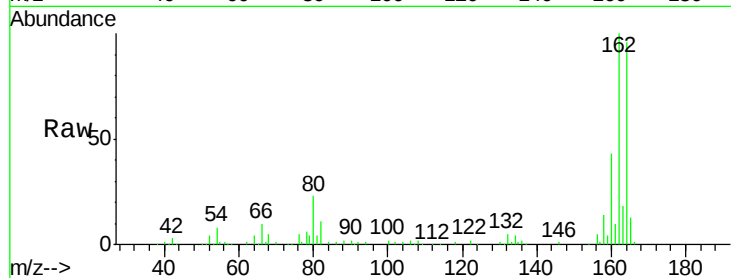
Ion Ratio Lower Upper

165 100

63 0.0 38.6 58.0#

89 0.0 57.0 85.6#

182 0.0 1.8 2.6#

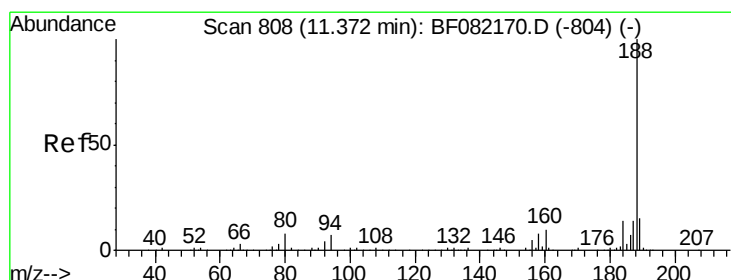
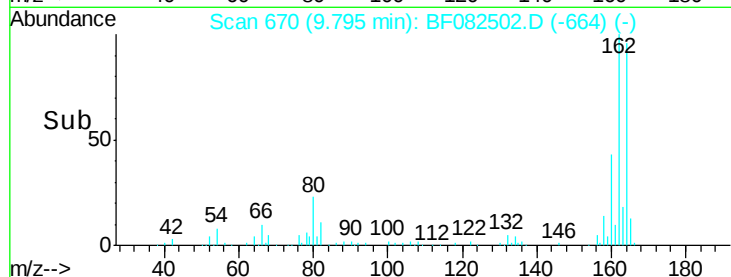
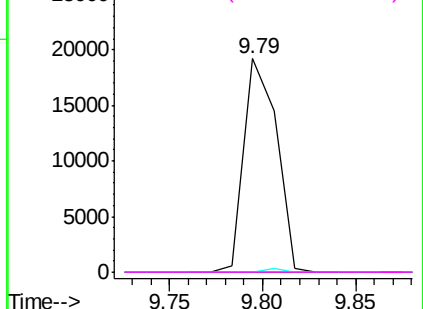


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.29 min Scan# 801

Delta R.T. 0.00 min

Lab File: BF082502.D

Acq: 24 Oct 2015 9:38

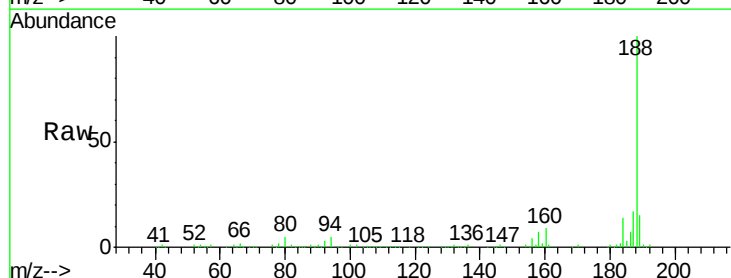
Tgt Ion:188 Resp: 320478

Ion Ratio Lower Upper

188 100

94 5.3 5.8 8.6#

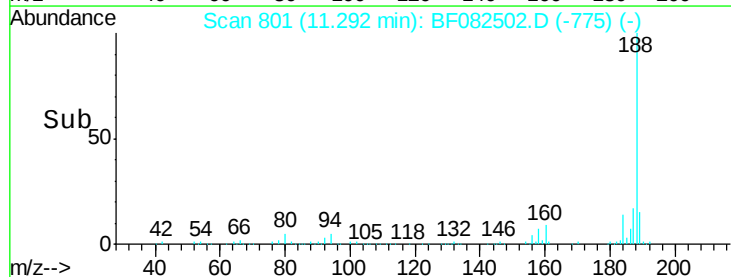
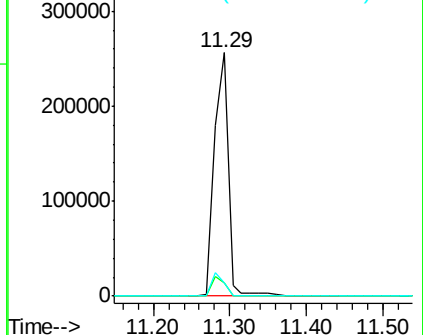
80 5.5 6.4 9.6#

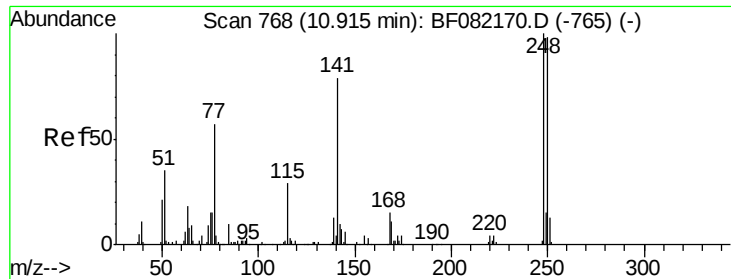


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

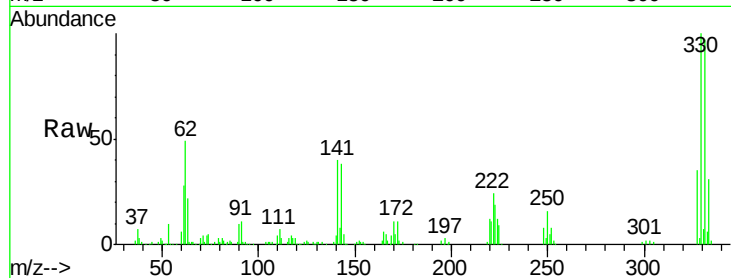




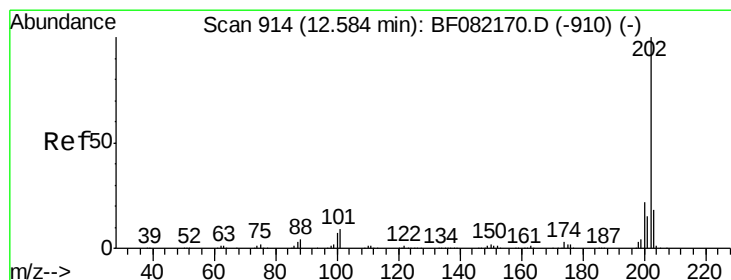
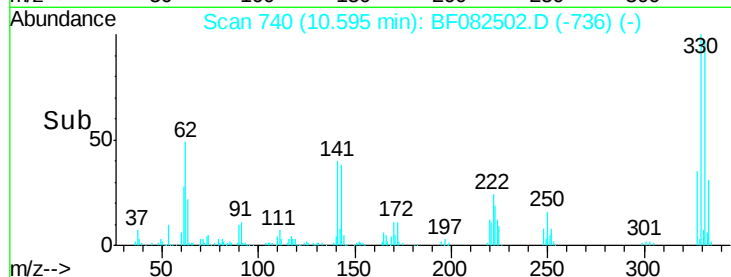
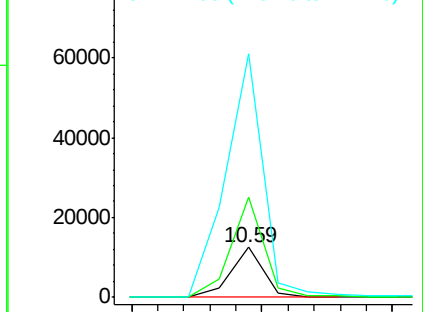
#66
4-Bromophenyl-phenylether
Concen: 3.42 ng
RT: 10.59 min Scan# 740
Delta R.T. -0.25 min
Lab File: BF082502.D
Acq: 24 Oct 2015 9:38

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

Tgt Ion:248 Resp: 10969
Ion Ratio Lower Upper
248 100
250 199.6 78.6 117.8#
141 486.4 63.3 94.9#

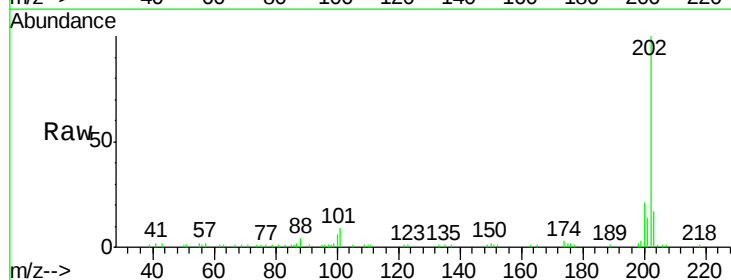


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

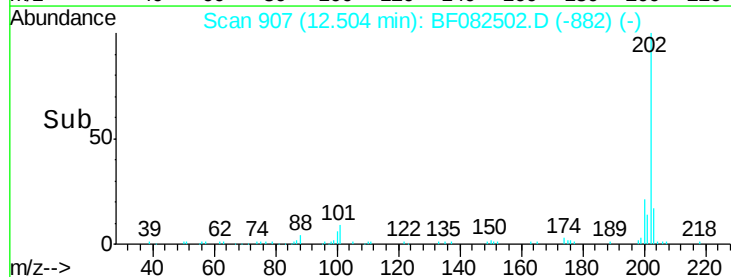
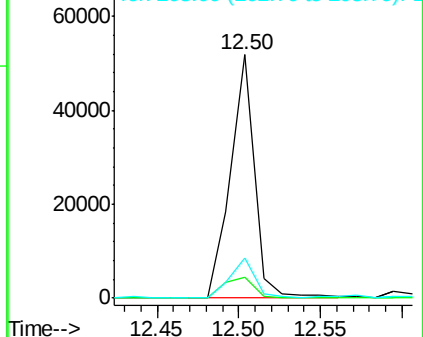


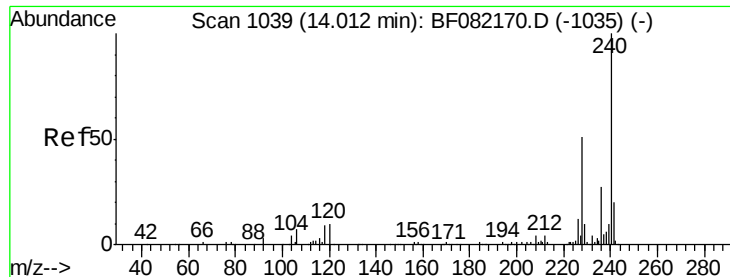
#74
Fluoranthene
Concen: 3.13 ng
RT: 12.50 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF082502.D
Acq: 24 Oct 2015 9:38

Tgt Ion:202 Resp: 52736
Ion Ratio Lower Upper
202 100
101 8.8 0.0 29.3
203 16.5 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. -0.08 min

Lab File: BF082502.D

Acq: 24 Oct 2015 9:38

Instrument :

BNA_F

ClientSampleId :

BT-03(0-2)

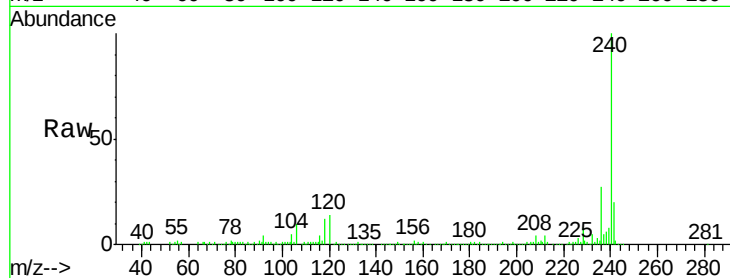
Tgt Ion:240 Resp: 237516

Ion Ratio Lower Upper

240 100

120 14.5 8.1 12.1#

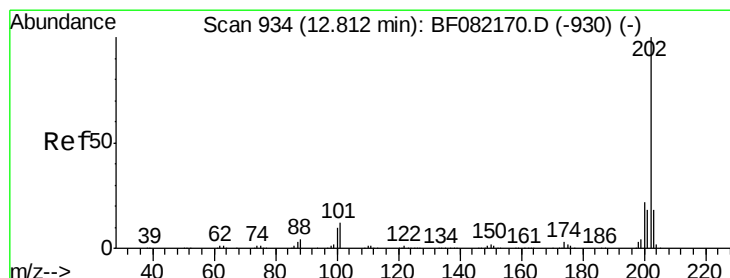
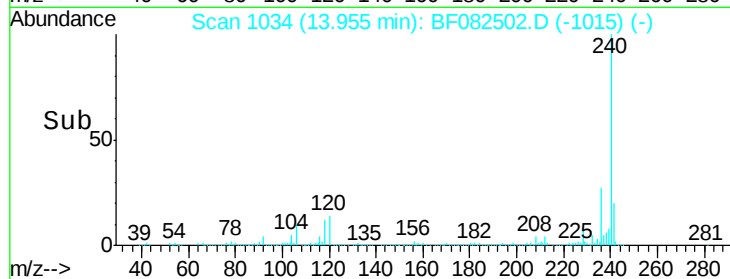
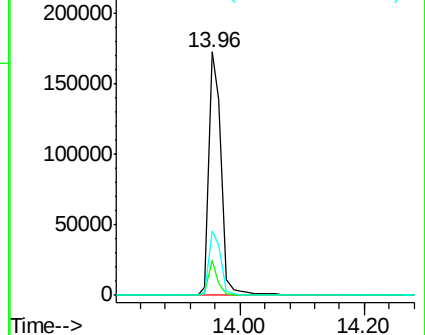
236 26.5 21.3 31.9



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

Pyrene

Concen: 3.39 ng

RT: 12.73 min Scan# 927

Delta R.T. -0.01 min

Lab File: BF082502.D

Acq: 24 Oct 2015 9:38

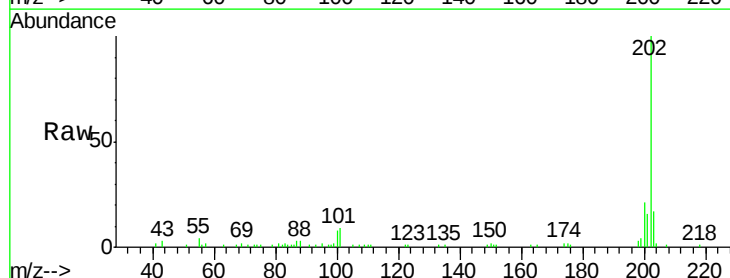
Tgt Ion:202 Resp: 47788

Ion Ratio Lower Upper

202 100

200 21.1 17.9 26.9

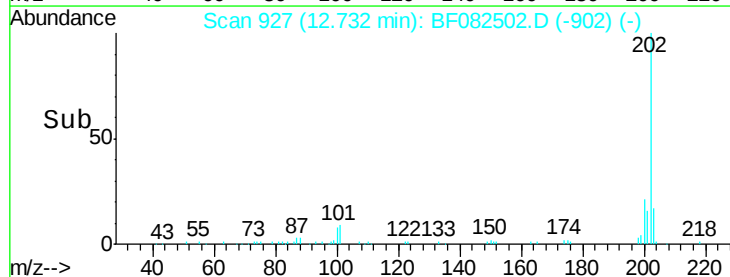
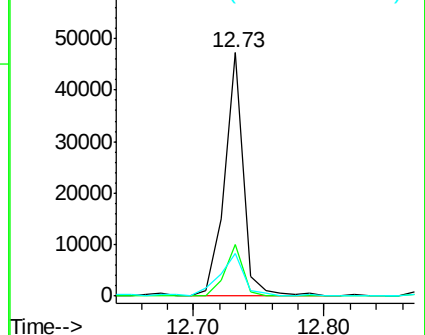
203 17.4 14.5 21.7

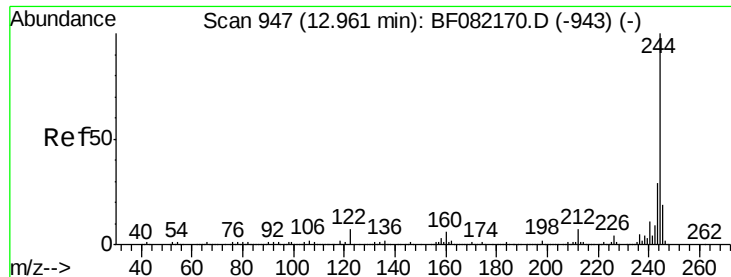


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

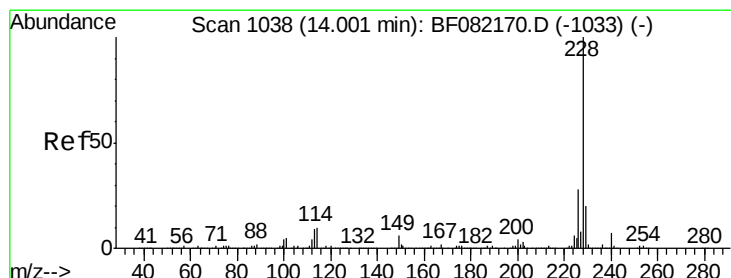
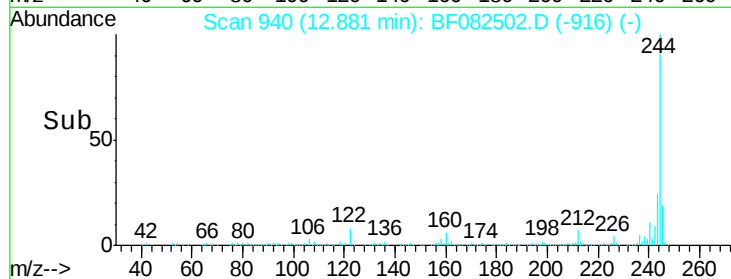
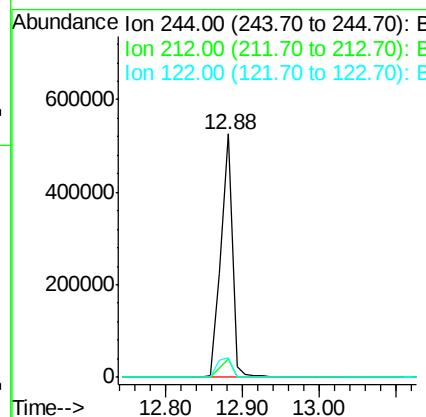
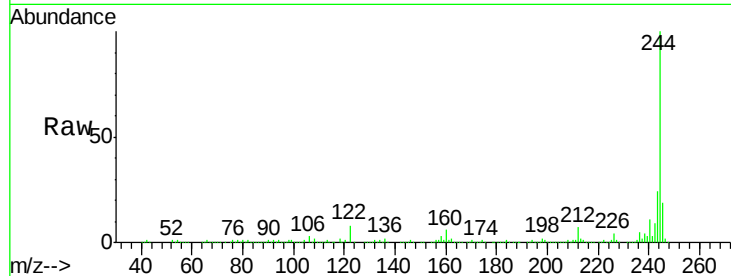




#78
 Terphenyl-d14
 Concen: 60.94 ng
 RT: 12.88 min Scan# 940
 Delta R.T. -0.02 min
 Lab File: BF082502.D
 Acq: 24 Oct 2015 9:38

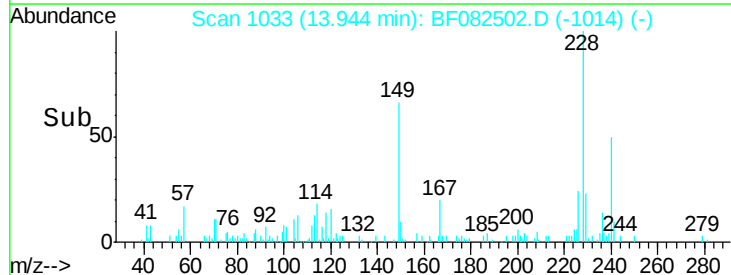
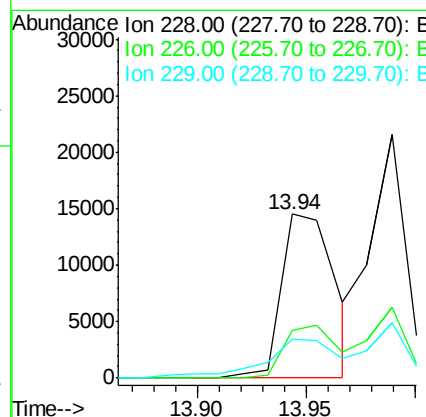
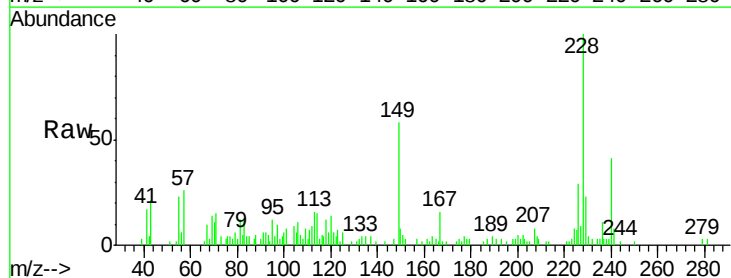
Instrument :
 BNA_F
 ClientSampleId :
 BT-03(0-2)

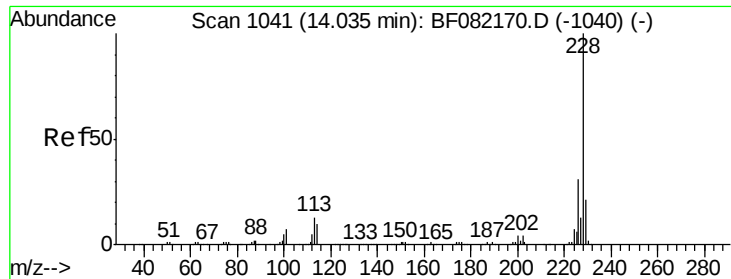
Tgt Ion:	244	Resp:	546220
Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	8.0	5.9	8.9



#80
 Benzo(a)anthracene
 Concen: 2.01 ng
 RT: 13.94 min Scan# 1033
 Delta R.T. -0.08 min
 Lab File: BF082502.D
 Acq: 24 Oct 2015 9:38

Tgt Ion:	228	Resp:	24854
Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.3	33.5
229	23.4	16.2	24.2





#82

Chrysene

Concen: 2.00 ng

RT: 13.99 min Scan# 1037

Delta R.T. -0.08 min

Lab File: BF082502.D

Acq: 24 Oct 2015 9:38

Instrument :

BNA_F

ClientSampleId :

BT-03(0-2)

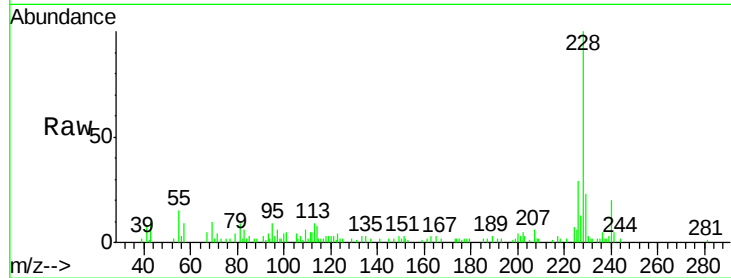
Tgt Ion: 228 Resp: 26082

Ion Ratio Lower Upper

228 100

226 29.0 24.4 36.6

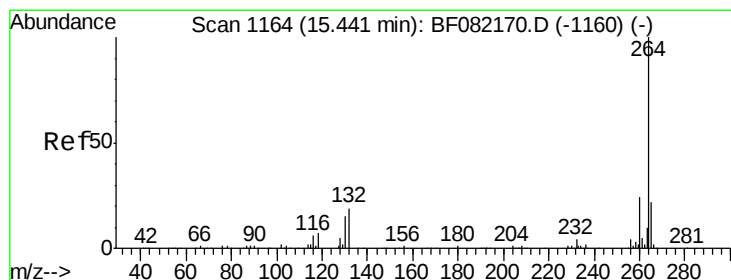
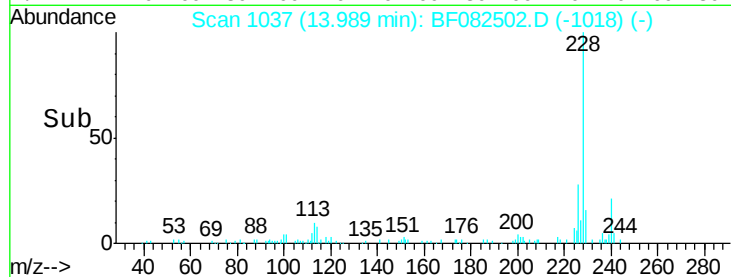
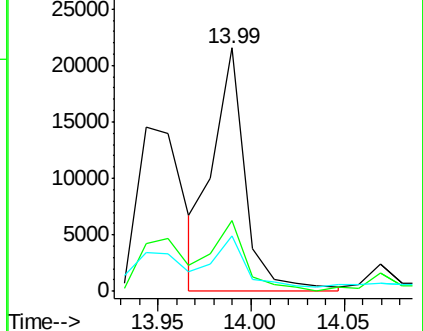
229 22.5 16.3 24.5



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: 15.46 min Scan# 1166

Delta R.T. -0.16 min

Lab File: BF082502.D

Acq: 24 Oct 2015 9:38

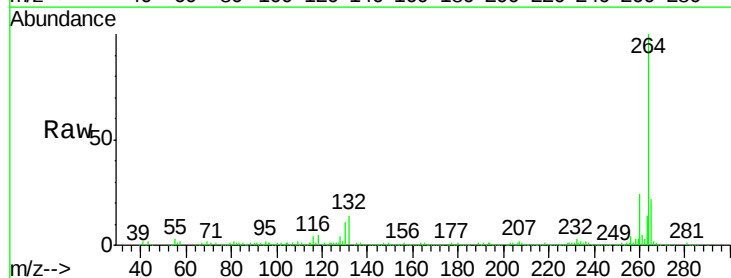
Tgt Ion: 264 Resp: 234365

Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.6

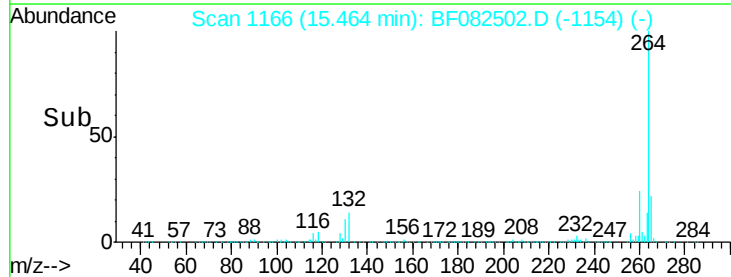
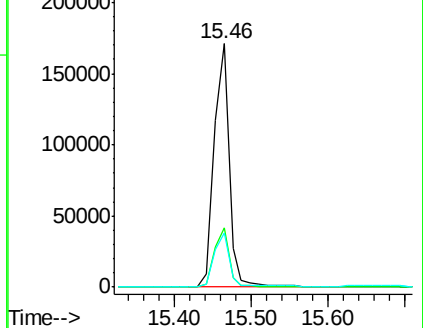
265 22.1 17.3 25.9

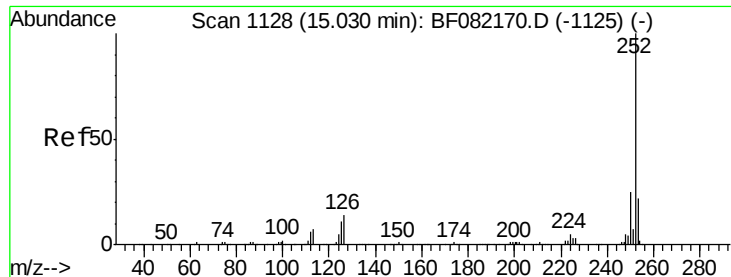


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

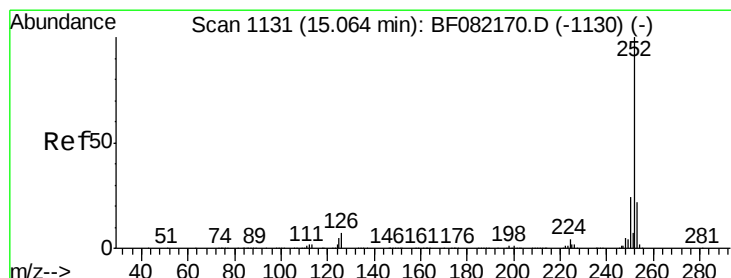
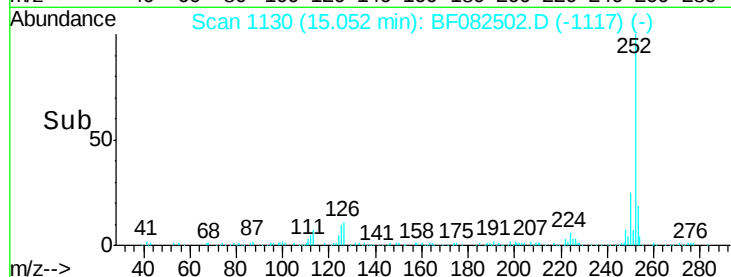
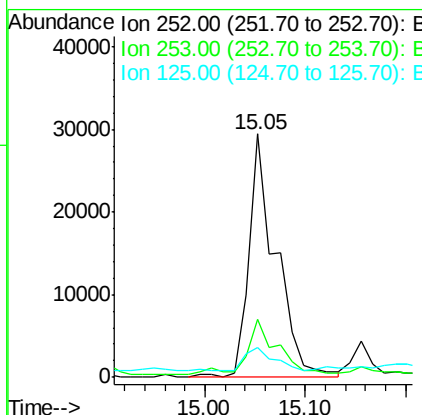
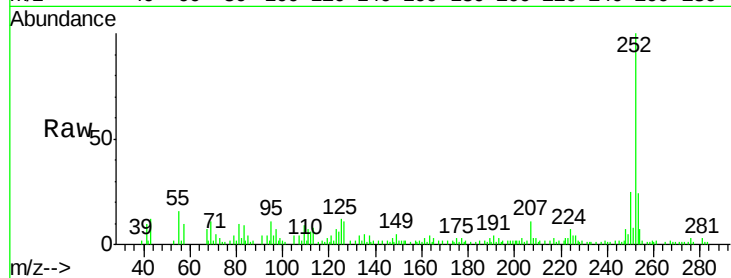




#87
Benzo(b)fluoranthene
Concen: 3.83 ng
RT: 15.05 min Scan# 1130
Delta R.T. -0.15 min
Lab File: BF082502.D
Acq: 24 Oct 2015 9:38

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	12.4	8.6	12.8



#88
Benzo(k)fluoranthene
Concen: 4.56 ng
RT: 15.05 min Scan# 1130
Delta R.T. -0.18 min
Lab File: BF082502.D
Acq: 24 Oct 2015 9:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.6
125	12.4	6.7	10.1#

