

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071316\
 Data File : BF088960.D
 Acq On : 13 Jul 2016 16:16
 Operator : UM/SJ
 Sample : H3876-09
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 5-A-LOCATION-5-0-5FT

Quant Time: Jul 14 01:12:50 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

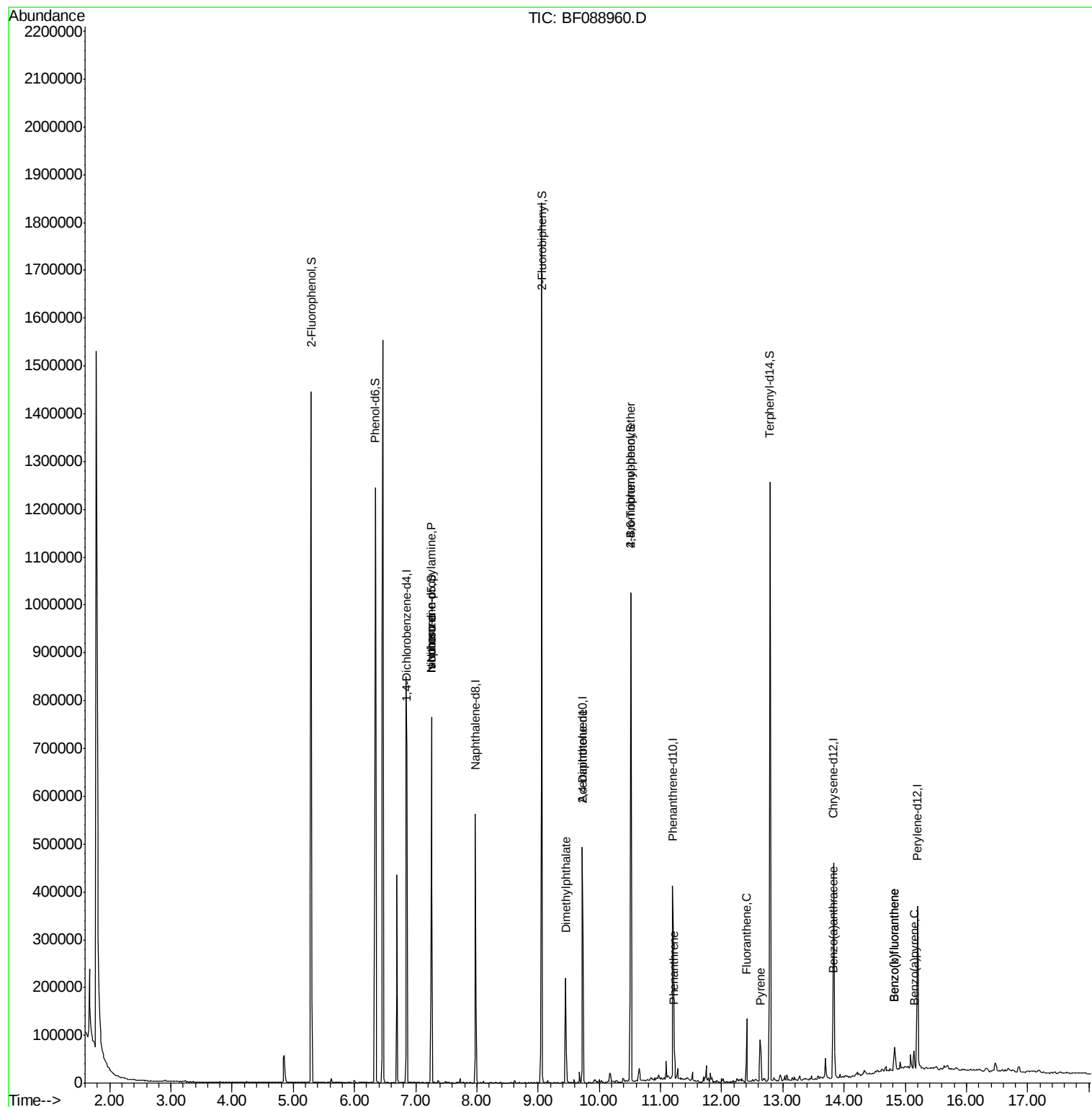
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	186518	20.00	ng	0.15
21) Naphthalene-d8	7.98	136	263696	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	119426	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	195115	20.00	ng	-0.02
75) Chrysene-d12	13.83	240	126161	20.00	ng	-0.02
86) Perylene-d12	15.20	264	132430	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	393214	31.60	ng	0.00
7) Phenol-d6	6.34	99	495454	30.81	ng	-0.01
23) Nitrobenzene-d5	7.26	82	332176	66.01	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	110662	99.79	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	596343	78.87	ng	-0.01
78) Terphenyl-d14	12.79	244	348069	61.45	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	44258	4.10	ng	# 74
25) Isophorone	7.26	82	285389	30.62	ng	# 65
49) Dimethylphthalate	9.45	163	88523	10.40	ng	100
56) 2,4-Dinitrotoluene	9.72	165	15046	6.10	ng	# 36
66) 4-Bromophenyl-phenylether	10.51	248	7597	3.86	ng	# 1
70) Phenanthrene	11.22	178	27219	2.55	ng	99
74) Fluoranthene	12.41	202	53212	4.92	ng	95
77) Pyrene	12.64	202	43720	4.09	ng	98
80) Benzo(a)anthracene	13.82	228	22776	2.80	ng	92
87) Benzo(b)fluoranthene	14.82	252	31444	3.79	ng	# 95
88) Benzo(k)fluoranthene	14.82	252	31444	4.35	ng	98
89) Benzo(a)pyrene	15.14	252	16625	2.36	ng	96

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 461

Delta R.T. 0.15 min

Lab File: BF088960.D

Acq: 13 Jul 2016 16:16

Instrument :

BNA_F

ClientSampleId :

5-A-LOCATION-5-0-5FT

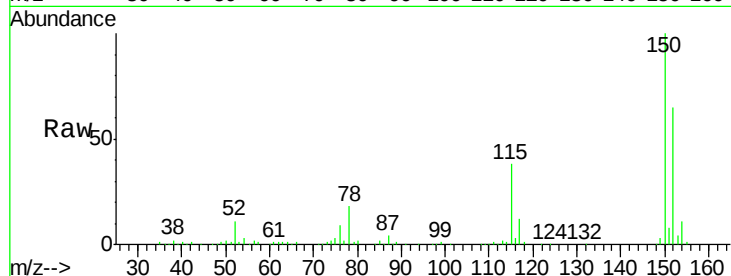
Tgt Ion:152 Resp: 186518

Ion Ratio Lower Upper

152 100

150 152.7 123.8 185.6

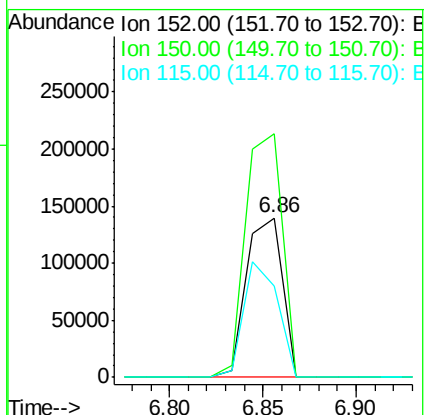
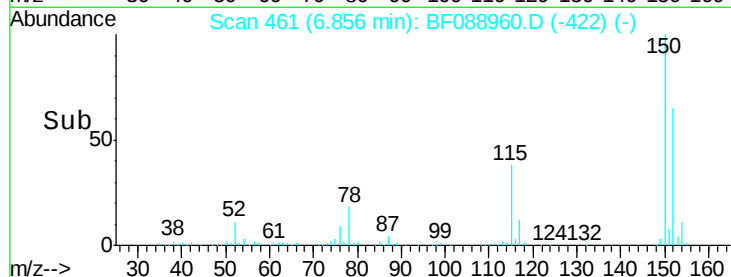
115 57.5 39.6 59.4



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: 31.60 ng

RT: 5.29 min Scan# 324

Delta R.T. 0.00 min

Lab File: BF088960.D

Acq: 13 Jul 2016 16:16

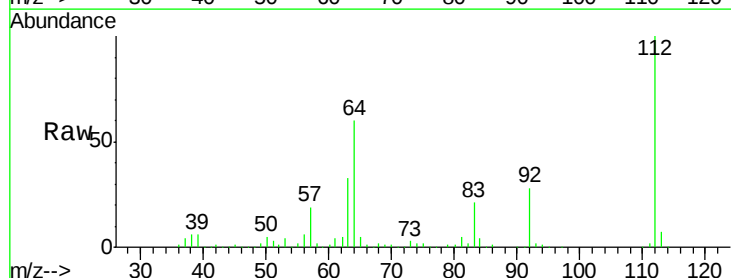
Tgt Ion:112 Resp: 393214

Ion Ratio Lower Upper

112 100

64 60.1 42.2 63.2

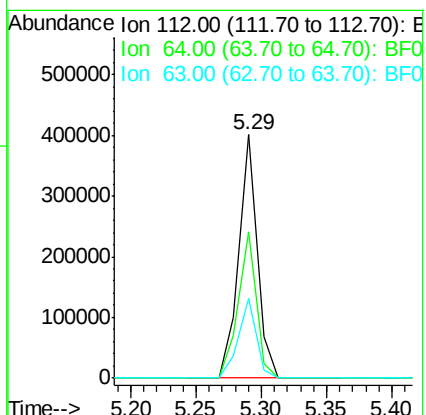
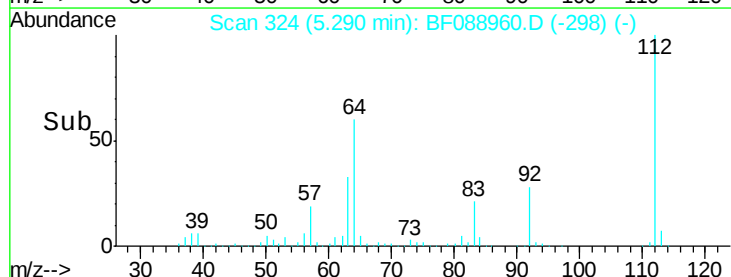
63 33.0 21.8 32.8#



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: 30.81 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088960.D

Acq: 13 Jul 2016 16:16

Instrument :

BNA_F

ClientSampleId :

5-A-LOCATION-5-0-5FT

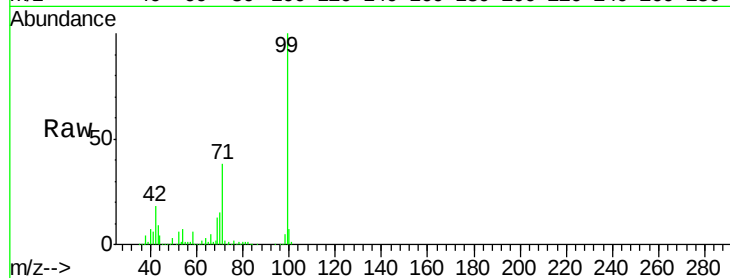
Tgt Ion: 99 Resp: 495454

Ion Ratio Lower Upper

99 100

42 18.4 12.2 18.2#

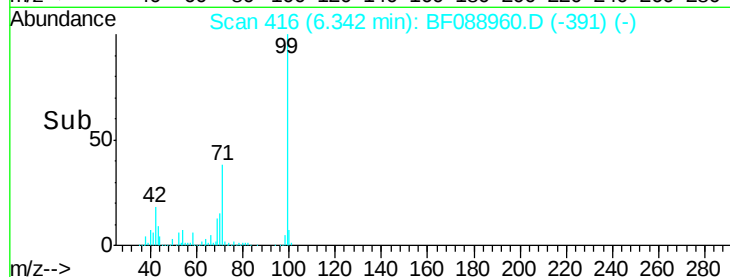
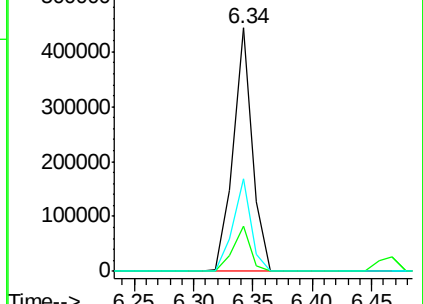
71 38.0 23.4 35.0#



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: 4.10 ng

RT: 7.26 min Scan# 496

Delta R.T. 0.11 min

Lab File: BF088960.D

Acq: 13 Jul 2016 16:16

Tgt Ion: 70 Resp: 44258

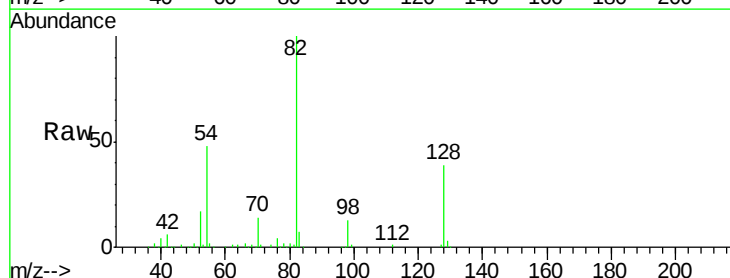
Ion Ratio Lower Upper

70 100

42 44.9 49.6 74.4#

101 0.0 7.1 10.7#

130 1.9 15.4 23.2#

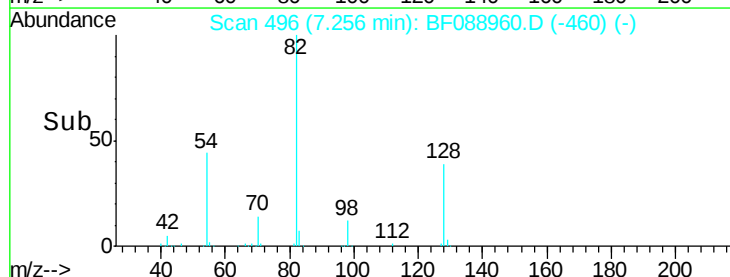
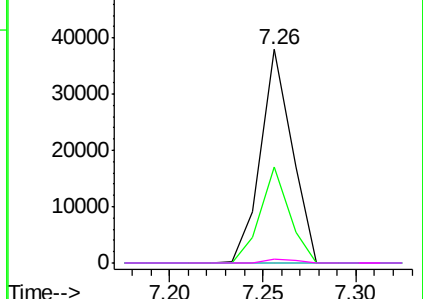


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.98 min Scan# 559

Delta R.T. -0.02 min

Lab File: BF088960.D

Acq: 13 Jul 2016 16:16

Instrument :

BNA_F

ClientSampleId :

5-A-LOCATION-5-0-5FT

Tgt Ion: 136 Resp: 263696

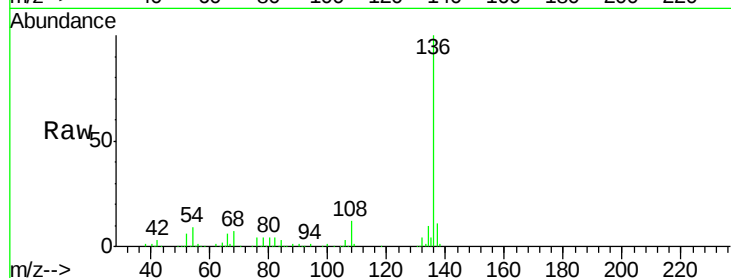
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 8.5 6.6 10.0

68 6.5 5.1 7.7

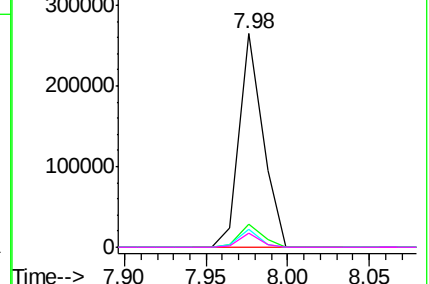
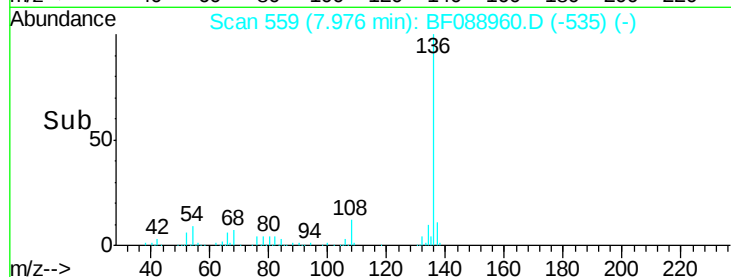


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.01 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.02 min

Lab File: BF088960.D

Acq: 13 Jul 2016 16:16

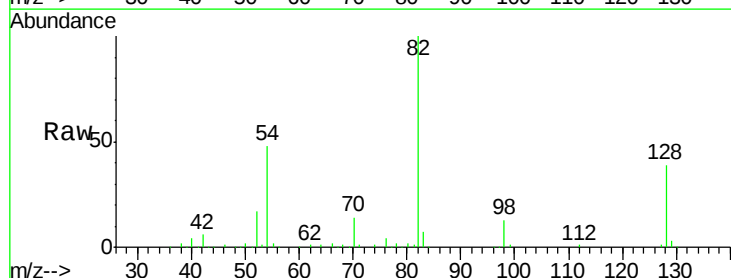
Tgt Ion: 82 Resp: 332176

Ion Ratio Lower Upper

82 100

128 39.1 35.9 53.9

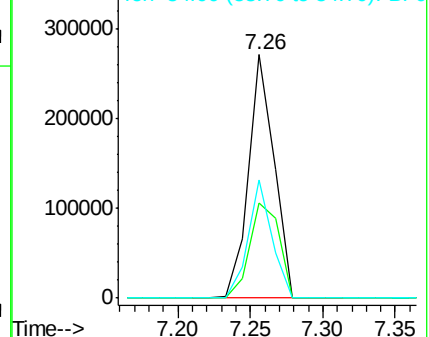
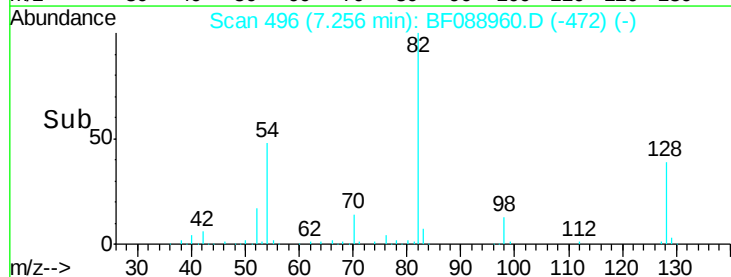
54 48.4 40.9 61.3

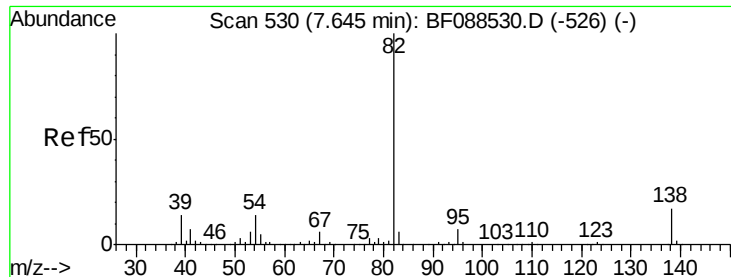


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 30.62 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.29 min

Lab File: BF088960.D

Acq: 13 Jul 2016 16:16

Instrument :

BNA_F

ClientSampleId :

5-A-LOCATION-5-0-5FT

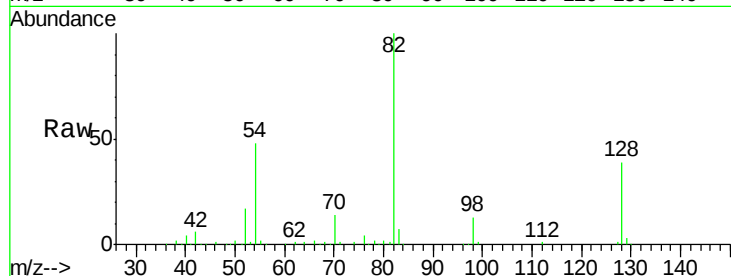
Tgt Ion: 82 Resp: 285389

Ion Ratio Lower Upper

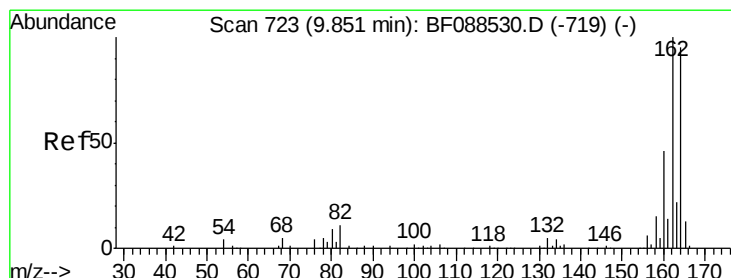
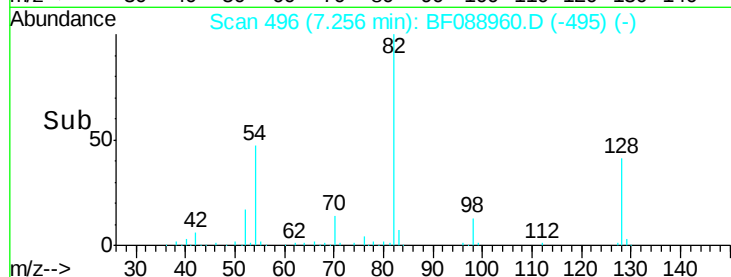
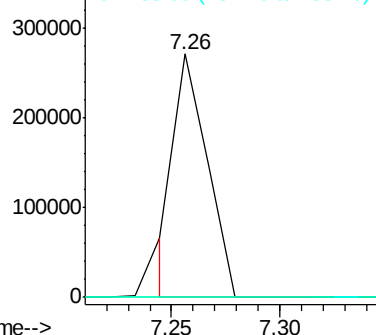
82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.02 min

Lab File: BF088960.D

Acq: 13 Jul 2016 16:16

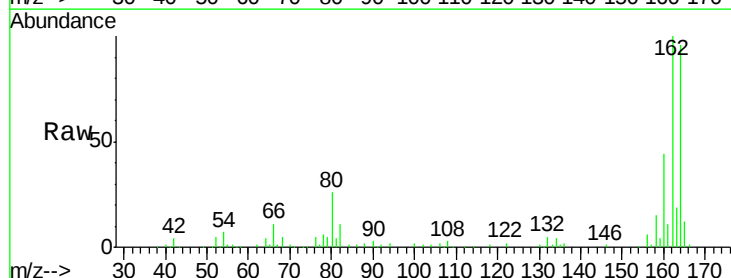
Tgt Ion: 164 Resp: 119426

Ion Ratio Lower Upper

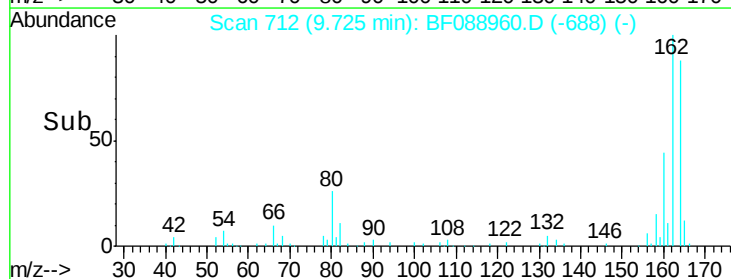
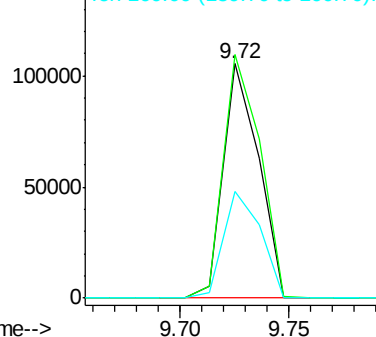
164 100

162 103.8 85.4 128.2

160 45.6 39.5 59.3



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

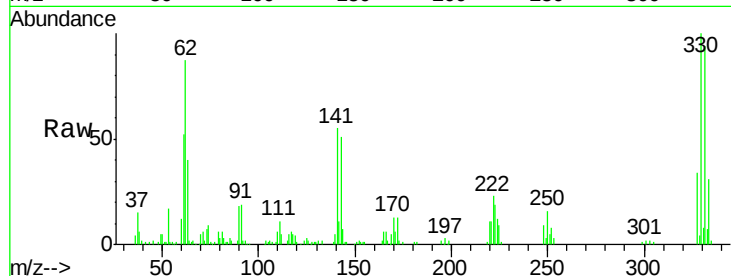




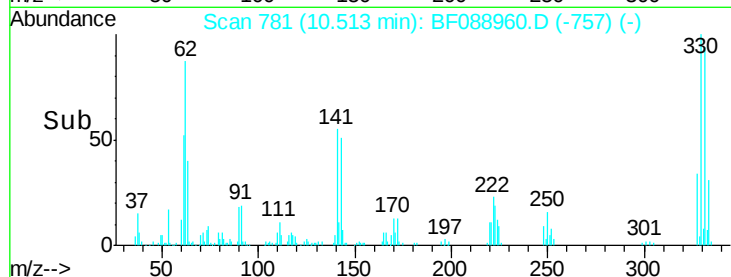
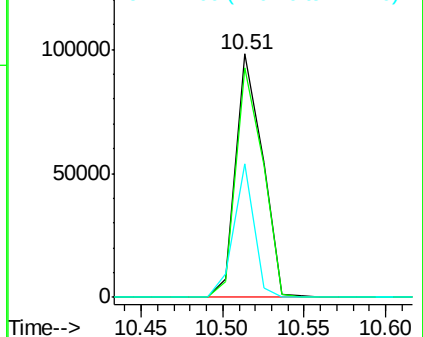
#41
 2,4,6-Tribromophenol
 Concen: 99.79 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.02 min
 Lab File: BF088960.D
 Acq: 13 Jul 2016 16:16

Instrument :
 BNA_F
 ClientSampleId :
 5-A-LOCATION-5-0-5FT

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	0.0	0.0#
141	41.9	0.0	0.0#

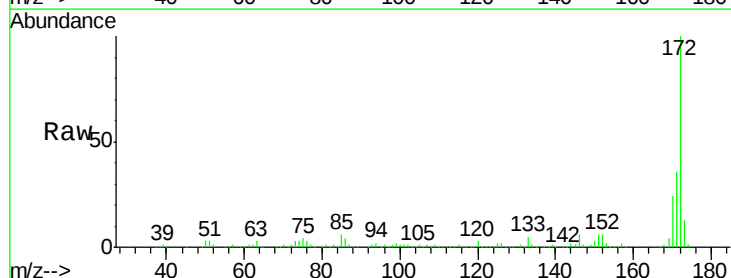


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

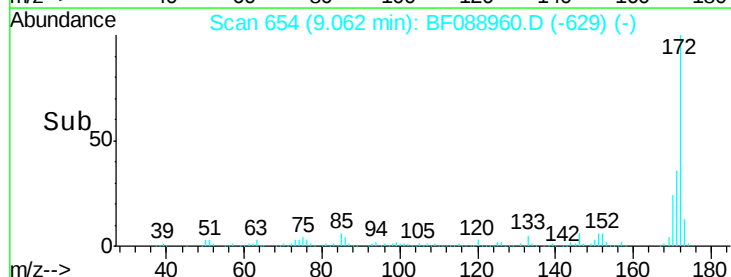
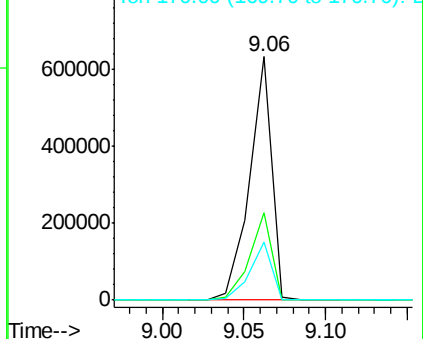


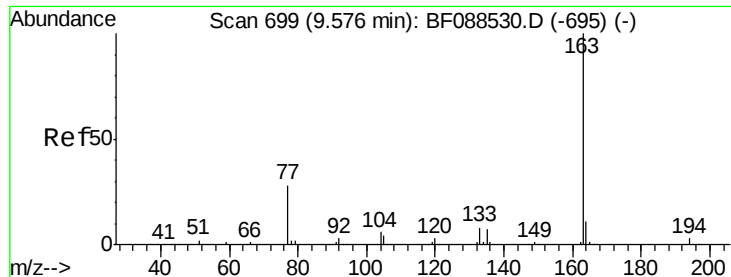
#44
 2-Fluorobiphenyl
 Concen: 78.87 ng
 RT: 9.06 min Scan# 654
 Delta R.T. -0.01 min
 Lab File: BF088960.D
 Acq: 13 Jul 2016 16:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	23.8	19.2	28.8



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

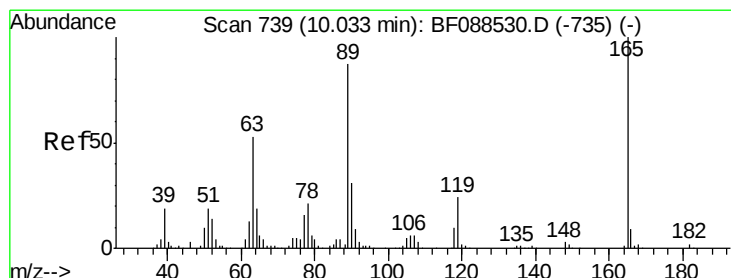
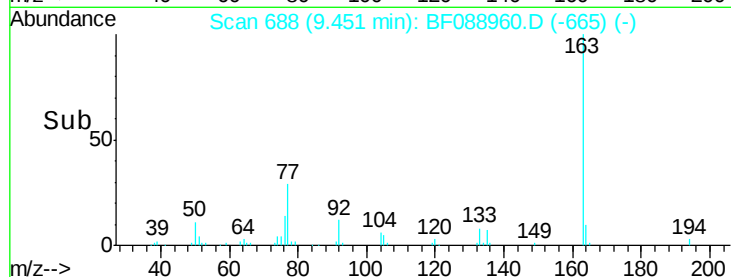
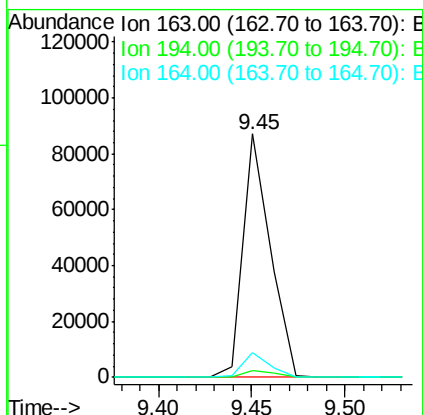
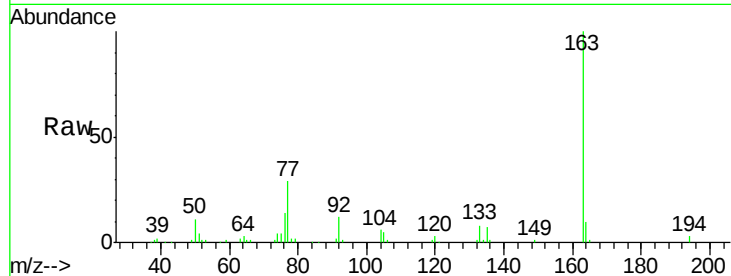




#49
Dimethylphthalate
Concen: 10.40 ng
RT: 9.45 min Scan# 688
Delta R.T. -0.03 min
Lab File: BF088960.D
Acq: 13 Jul 2016 16:16

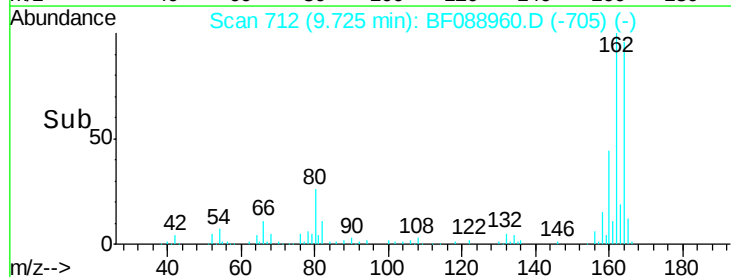
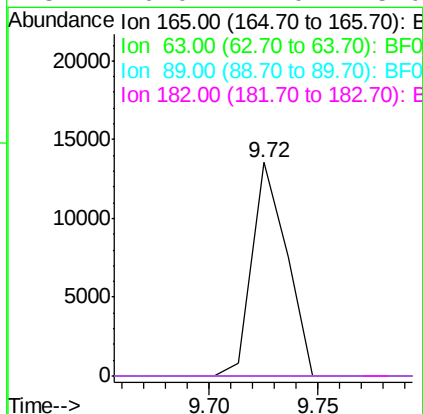
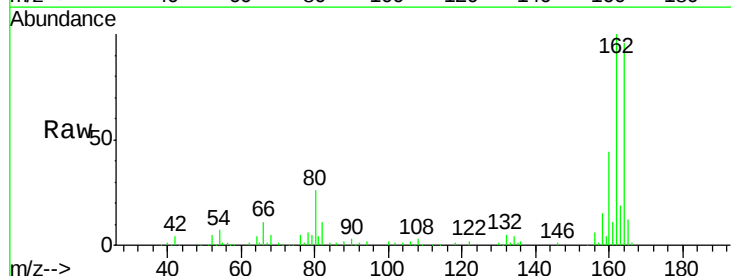
Instrument :
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Tgt Ion:163 Resp: 88523
Ion Ratio Lower Upper
163 100
194 3.0 2.8 4.2
164 10.3 8.3 12.5



#56
2,4-Dinitrotoluene
Concen: 6.10 ng
RT: 9.72 min Scan# 712
Delta R.T. -0.22 min
Lab File: BF088960.D
Acq: 13 Jul 2016 16:16

Tgt Ion:165 Resp: 15046
Ion Ratio Lower Upper
165 100
63 0.0 22.0 33.0#
89 0.0 41.1 61.7#
182 0.0 2.0 3.0#

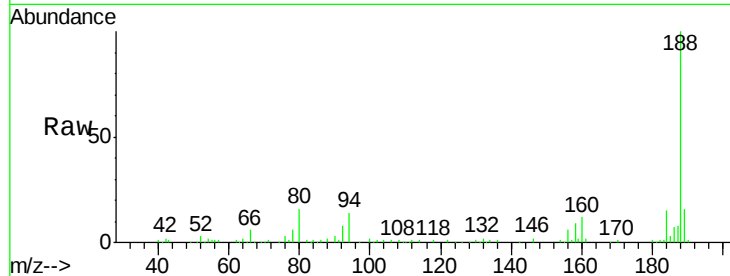




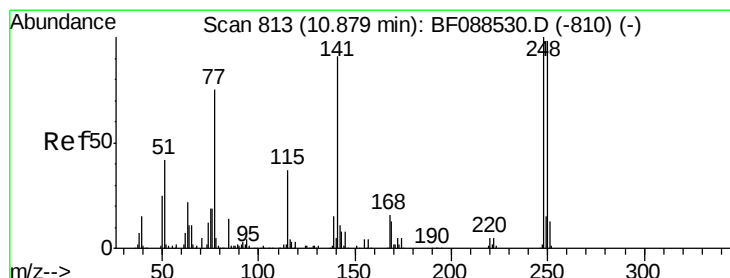
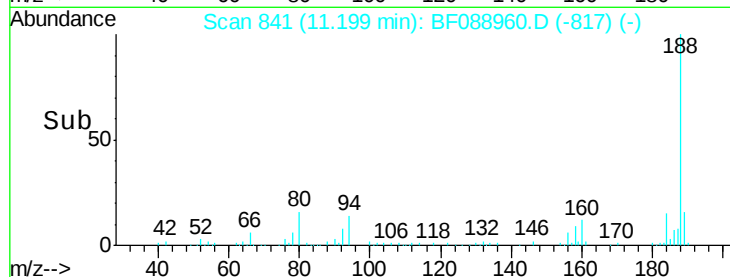
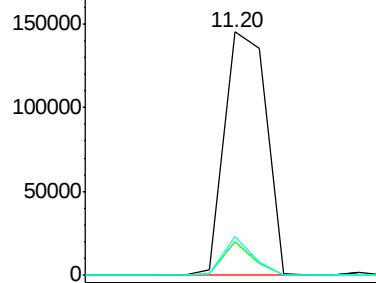
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 841
Delta R.T. -0.02 min
Lab File: BF088960.D
Acq: 13 Jul 2016 16:16

Instrument :
BNA_F
ClientSampleId :
5-A-LOCATION-5-0-5FT

Tgt Ion:188 Resp: 195115
Ion Ratio Lower Upper
188 100
94 13.8 9.0 13.6#
80 16.1 10.0 15.0#

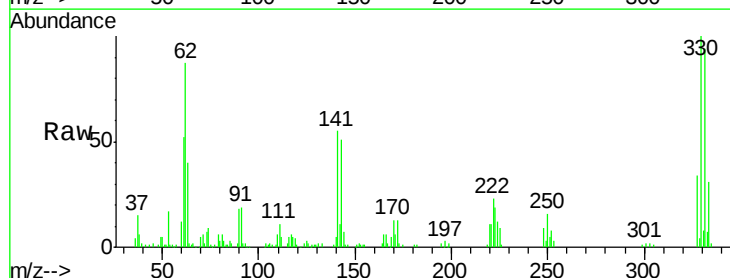


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

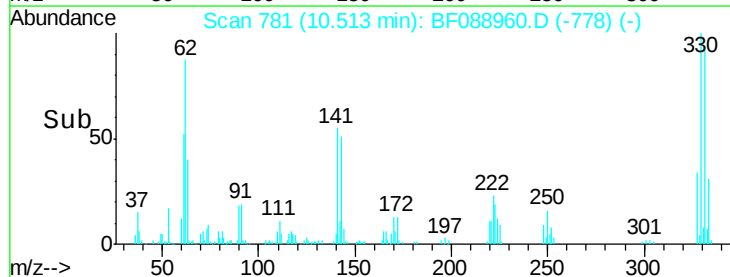
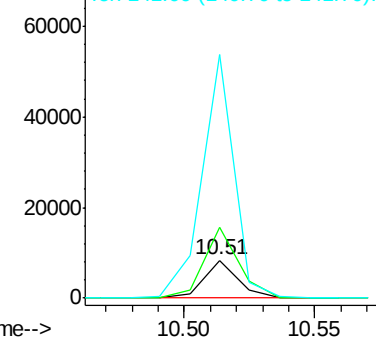


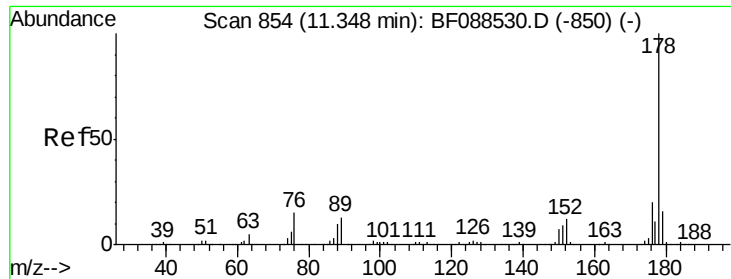
#66
4-Bromophenyl-phenylether
Concen: 3.86 ng
RT: 10.51 min Scan# 781
Delta R.T. -0.26 min
Lab File: BF088960.D
Acq: 13 Jul 2016 16:16

Tgt Ion:248 Resp: 7597
Ion Ratio Lower Upper
248 100
250 188.5 77.1 115.7#
141 643.0 50.6 76.0#



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

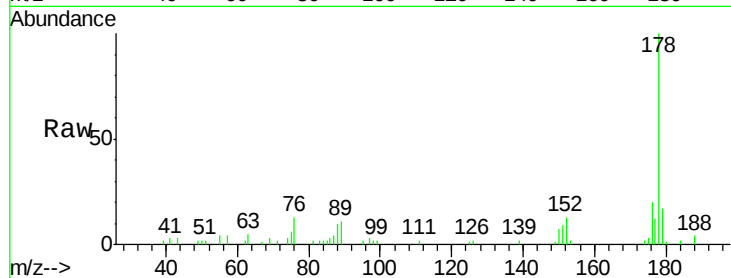




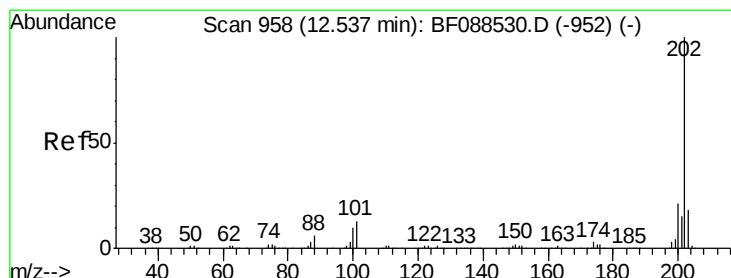
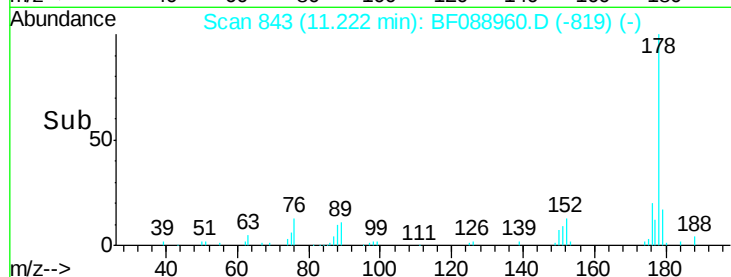
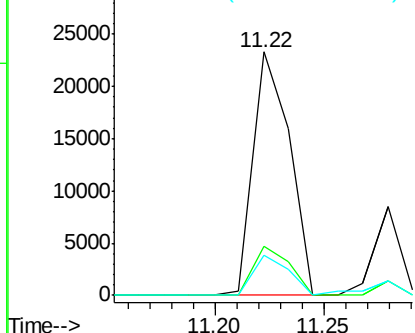
#70
Phenanthrene
Concen: 2.55 ng
RT: 11.22 min Scan# 843
Delta R.T. -0.02 min
Lab File: BF088960.D
Acq: 13 Jul 2016 16:16

Instrument :
BNA_F
ClientSampleId :
5-A-LOCATION-5-0-5FT

Tgt Ion:178 Resp: 27219
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.6
179 16.6 13.0 19.4

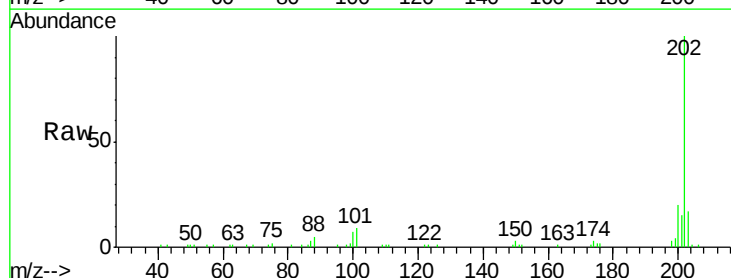


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

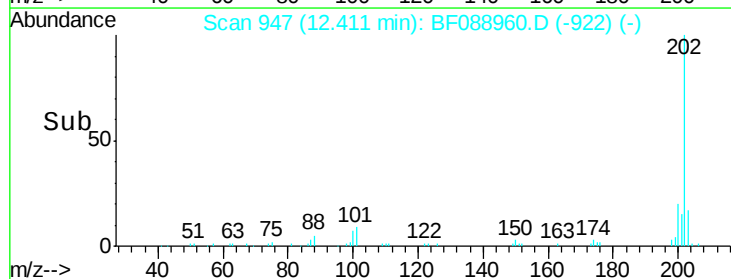
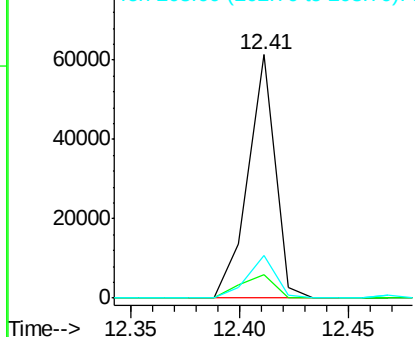


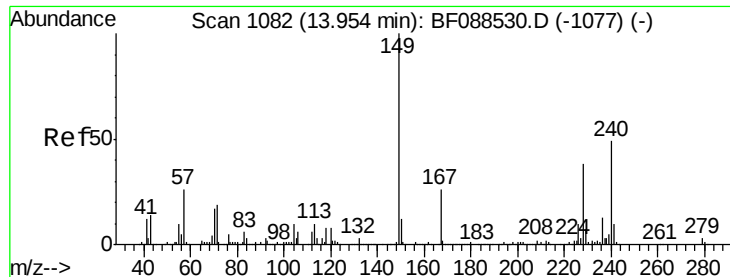
#74
Fluoranthene
Concen: 4.92 ng
RT: 12.41 min Scan# 947
Delta R.T. -0.01 min
Lab File: BF088960.D
Acq: 13 Jul 2016 16:16

Tgt Ion:202 Resp: 53212
Ion Ratio Lower Upper
202 100
101 9.5 0.0 33.1
203 17.4 0.0 38.1



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: 13.83 min Scan# 1071

Delta R.T. -0.02 min

Lab File: BF088960.D

Acq: 13 Jul 2016 16:16

Instrument :

BNA_F

ClientSampleId :

5-A-LOCATION-5-0-5FT

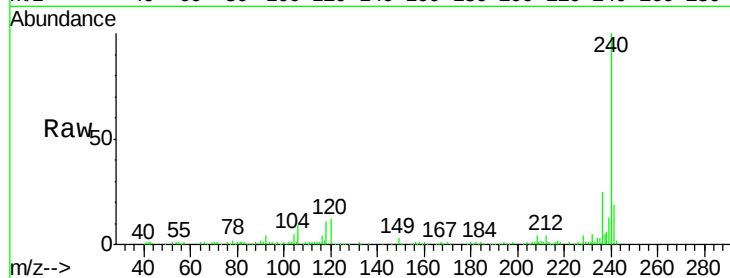
Tgt Ion:240 Resp: 126161

Ion Ratio Lower Upper

240 100

120 12.2 6.8 10.2#

236 25.4 20.2 30.2



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

13.83

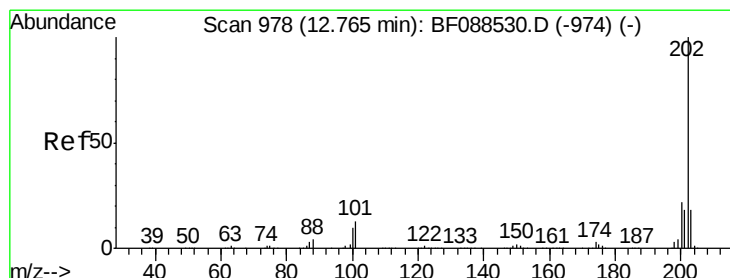
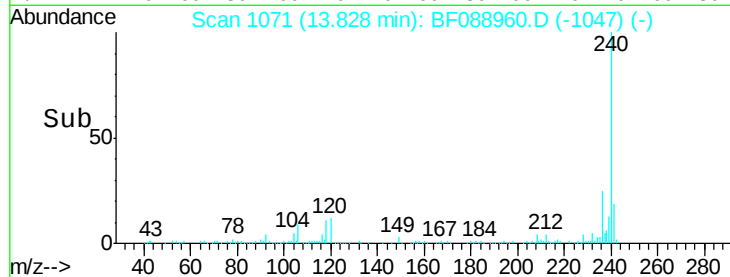
150000

100000

50000

0

Time--> 13.75 13.80 13.85 13.90



#77

Pyrene

Concen: 4.09 ng

RT: 12.64 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF088960.D

Acq: 13 Jul 2016 16:16

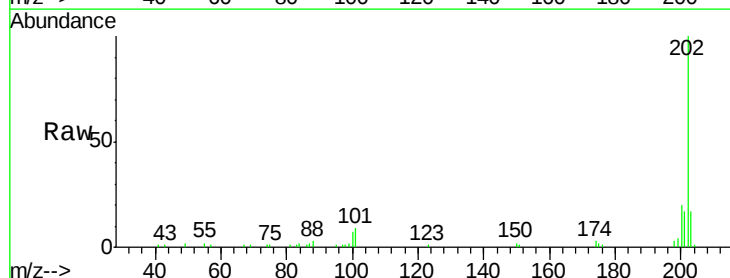
Tgt Ion:202 Resp: 43720

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

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

12.64

40000

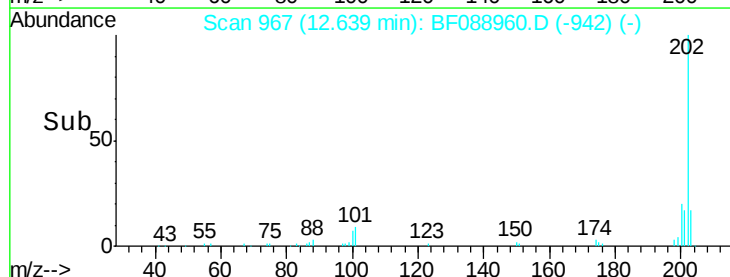
30000

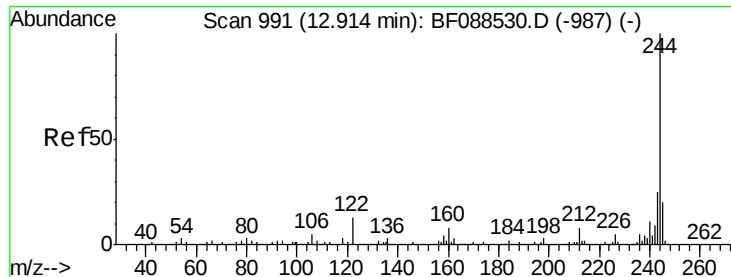
20000

10000

0

Time--> 12.60 12.65 12.70

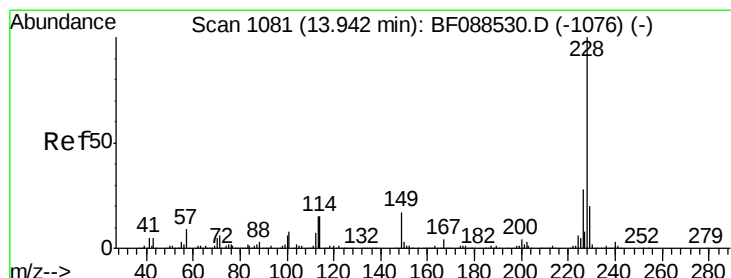
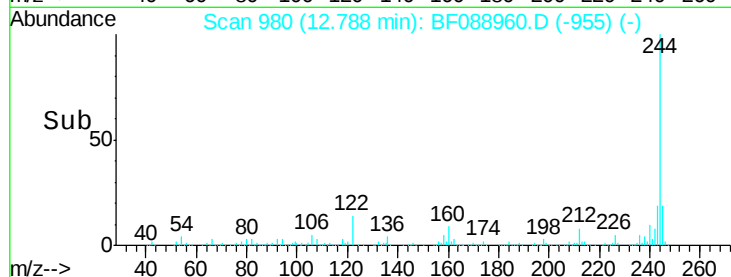
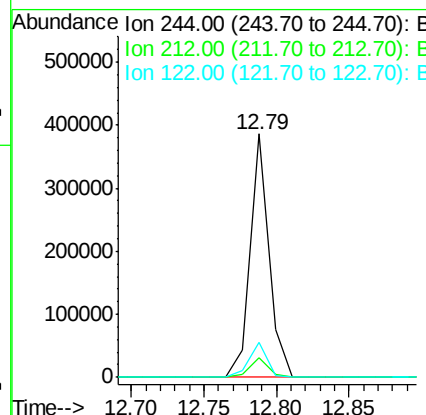
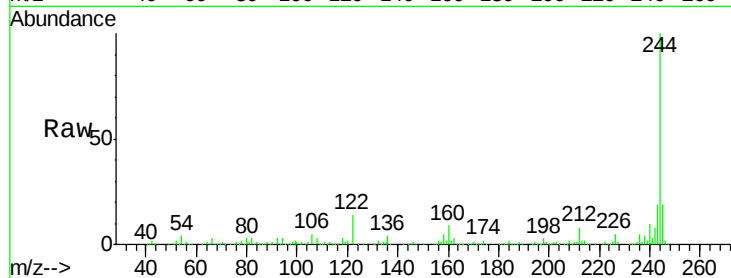




#78
 Terphenyl-d14
 Concen: 61.45 ng
 RT: 12.79 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: BF088960.D
 Acq: 13 Jul 2016 16:16

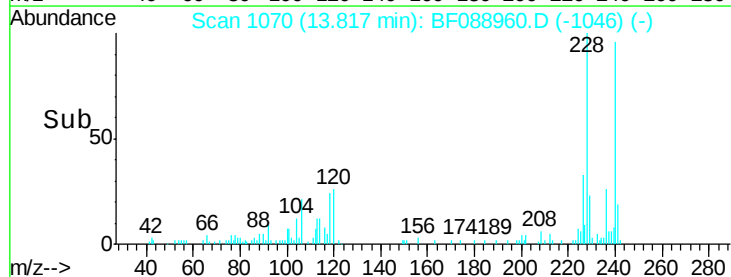
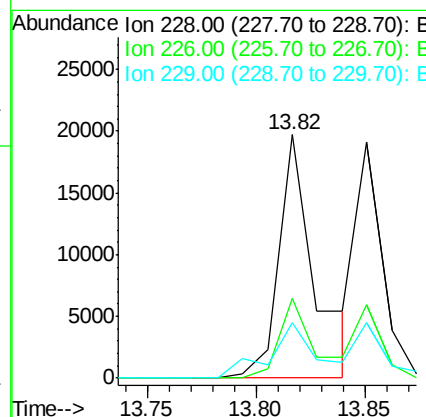
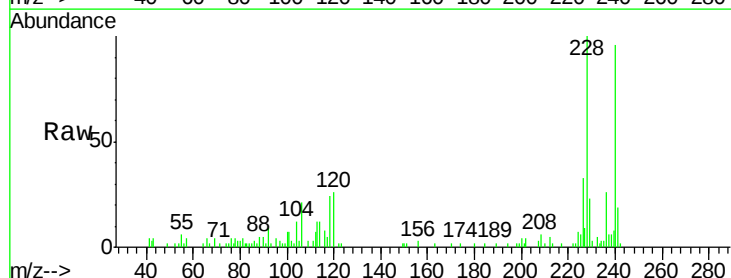
Instrument :
 BNA_F
 ClientSampleId :
 5-A-LOCATION-5-0-5FT

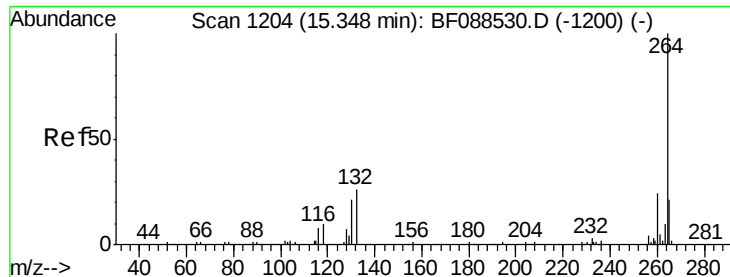
Tgt Ion:244 Resp: 348069
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.0 9.0
 122 14.4 11.2 16.8



#80
 Benzo(a)anthracene
 Concen: 2.80 ng
 RT: 13.82 min Scan# 1070
 Delta R.T. -0.02 min
 Lab File: BF088960.D
 Acq: 13 Jul 2016 16:16

Tgt Ion:228 Resp: 22776
 Ion Ratio Lower Upper
 228 100
 226 32.9 22.3 33.5
 229 22.9 16.0 24.0



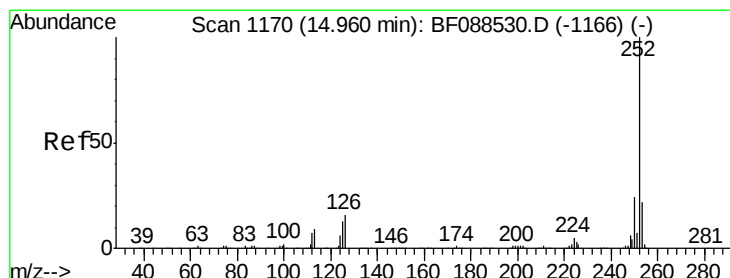
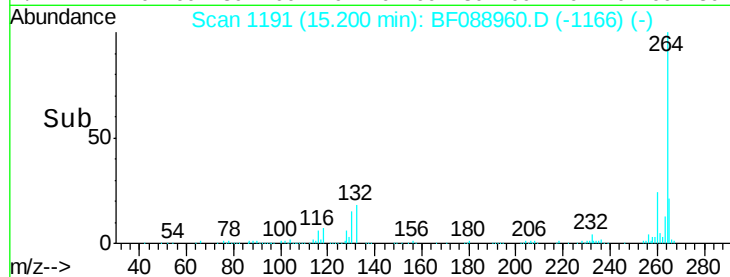
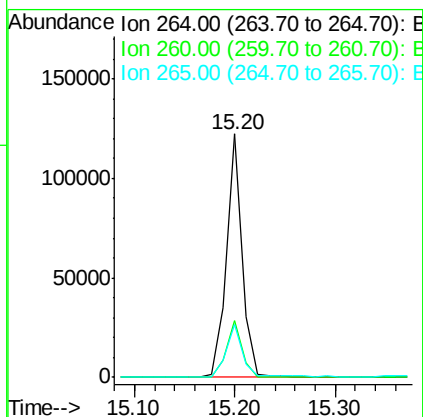
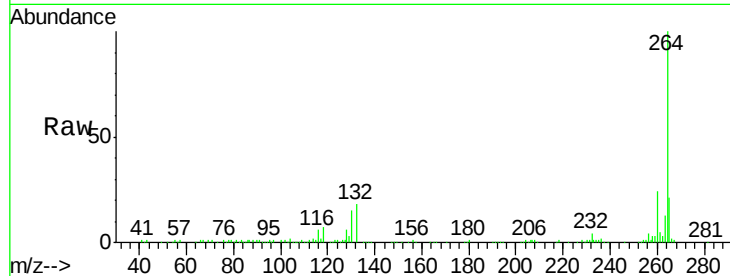


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.20 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BF088960.D
Acq: 13 Jul 2016 16:16

Instrument :
BNA_F
ClientSampleId :
5-A-LOCATION-5-0-5FT

Tgt Ion: 264 Resp: 132430

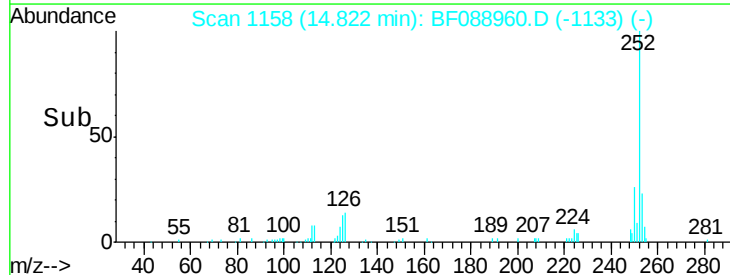
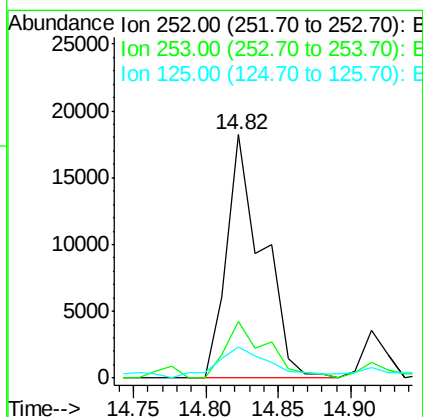
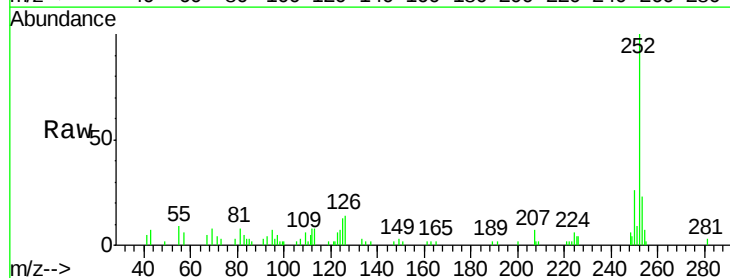
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.5	16.9	25.3

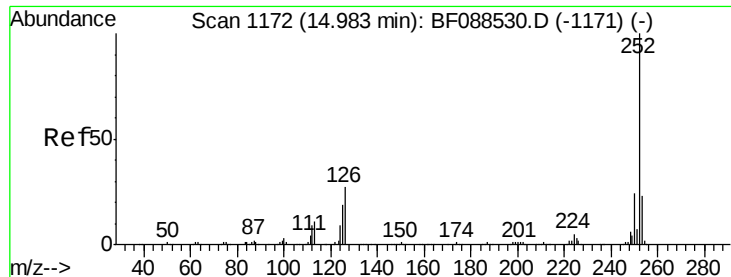


#87
Benzo(b)fluoranthene
Concen: 3.79 ng
RT: 14.82 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF088960.D
Acq: 13 Jul 2016 16:16

Tgt Ion: 252 Resp: 31444

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	12.7	7.1	10.7





#88

Benzo(k)fluoranthene

Concen: 4.35 ng

RT: 14.82 min Scan# 1158

Delta R.T. -0.05 min

Lab File: BF088960.D

Acq: 13 Jul 2016 16:16

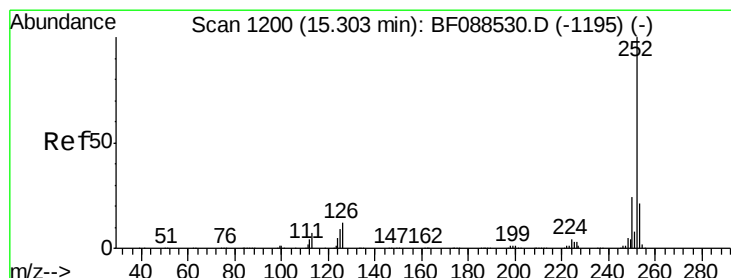
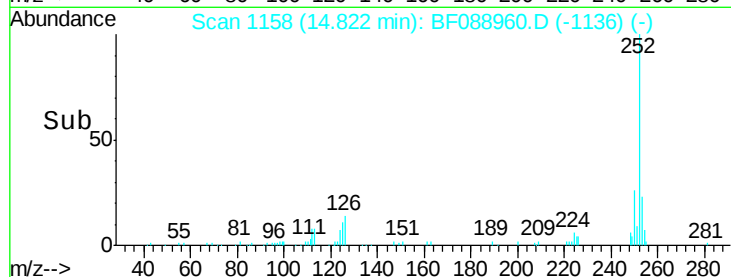
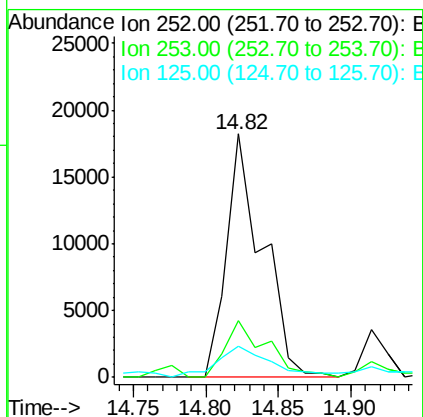
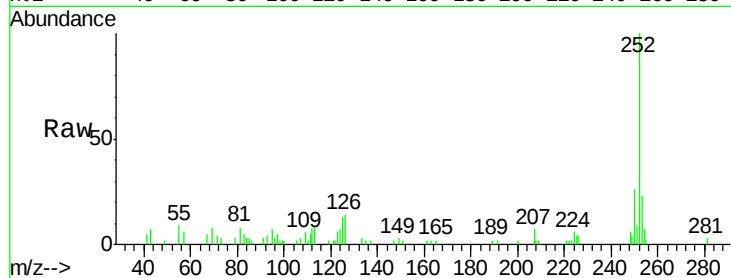
Instrument :

BNA_F

ClientSampleId :

5-A-LOCATION-5-0-5FT

Tgt Ion:	252	Resp:	31444
Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	12.7	11.2	16.8



#89

Benzo(a)pyrene

Concen: 2.36 ng

RT: 15.14 min Scan# 1186

Delta R.T. -0.02 min

Lab File: BF088960.D

Acq: 13 Jul 2016 16:16

Tgt Ion:	252	Resp:	16625
Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	12.8	12.5	18.7

