

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070616\
 Data File : BF088766.D
 Acq On : 7 Jul 2016 6:44
 Operator : UM/SJ
 Sample : H3870-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-COMP

Quant Time: Jul 07 07:33:16 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 07 01:24:07 2016
 Response via : Initial Calibration

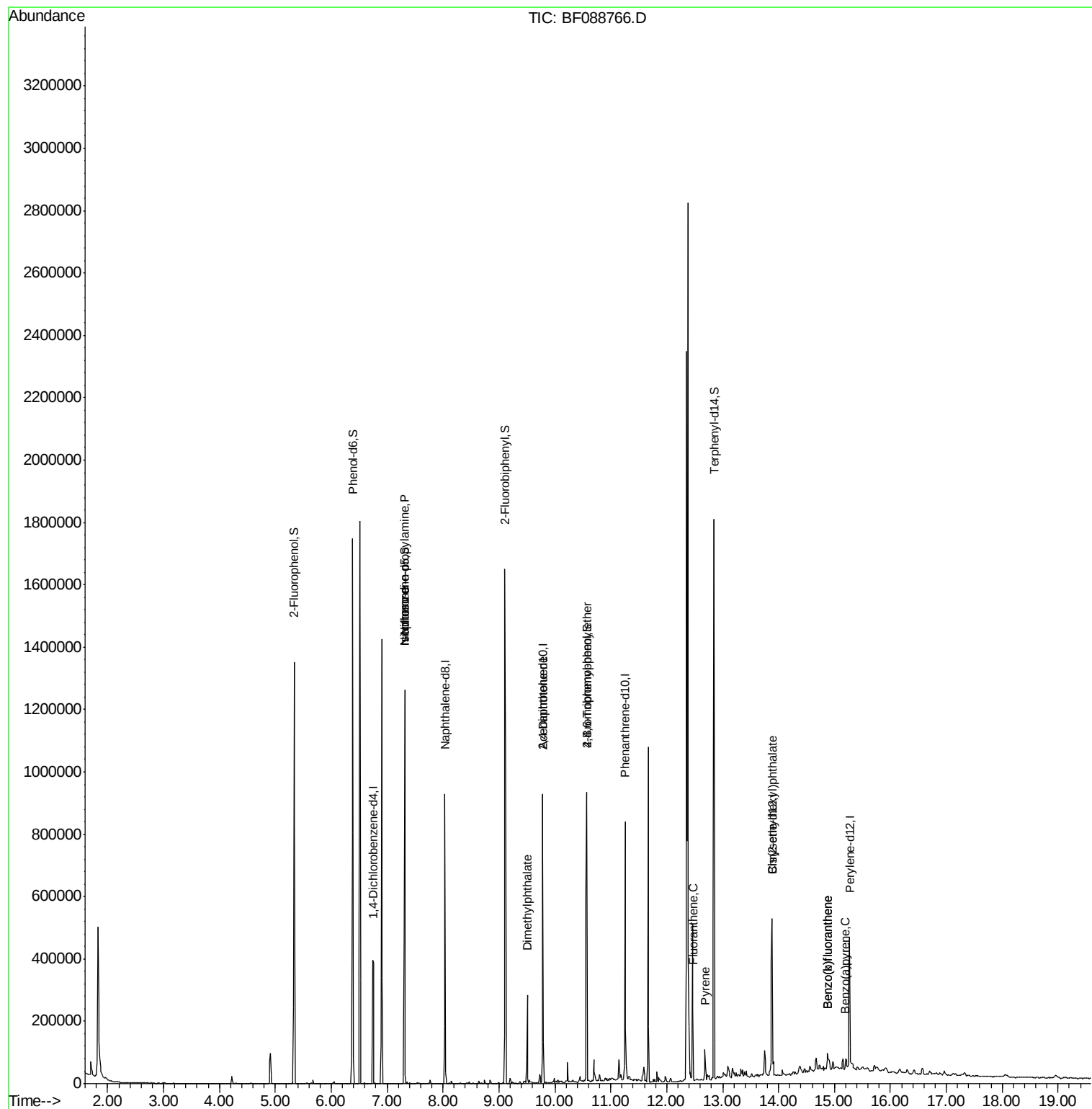
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	90267	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	383774	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	161868	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	271866	20.00	ng	0.00
75) Chrysene-d12	13.89	240	184515	20.00	ng	0.00
86) Perylene-d12	15.27	264	175686	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	501276	83.23	ng	0.00
7) Phenol-d6	6.39	99	663863	85.30	ng	0.00
23) Nitrobenzene-d5	7.31	82	433273	59.16	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	134424	89.43	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	679912	66.35	ng	-0.01
78) Terphenyl-d14	12.85	244	515066	62.18	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.31	70	58124	11.12	ng	# 71
25) Isophorone	7.31	82	315499	23.26	ng	# 65
49) Dimethylphthalate	9.51	163	111485	9.67	ng	98
56) 2,4-Dinitrotoluene	9.78	165	21156	6.33	ng	# 39
66) 4-Bromophenyl-phenylether	10.57	248	8841	3.23	ng	# 1
74) Fluoranthene	12.47	202	37019	2.46	ng	95
77) Pyrene	12.69	202	35278	2.25	ng	99
83) Bis(2-ethylhexyl)phthalate	13.89	149	18344	2.30	ng	# 94
87) Benzo(b)fluoranthene	14.88	252	35965	3.26	ng	# 93
88) Benzo(k)fluoranthene	14.88	252	35965	3.75	ng	98
89) Benzo(a)pyrene	15.20	252	18744	2.01	ng	# 88

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

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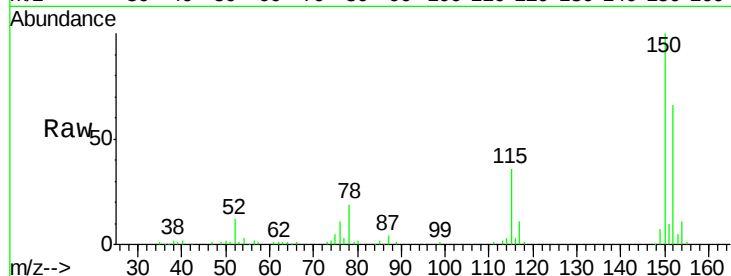


#1

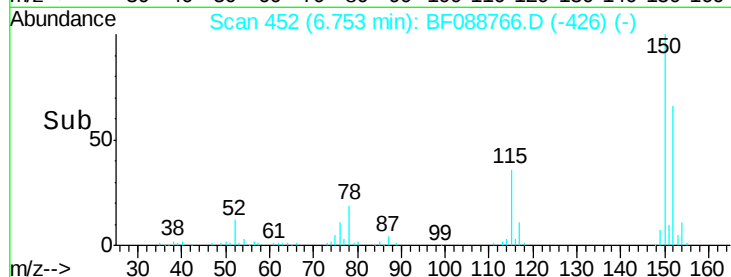
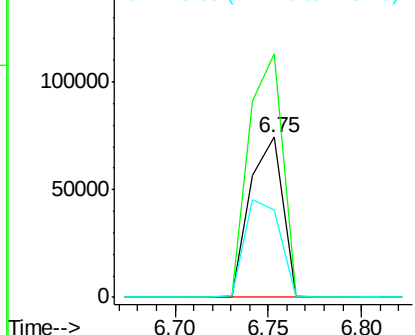
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 452
Delta R.T. -0.00 min
Lab File: BF088766.D
Acq: 7 Jul 2016 6:44

Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

Tgt Ion:152 Resp: 90267
Ion Ratio Lower Upper
152 100
150 152.3 123.8 185.6
115 54.6 39.6 59.4



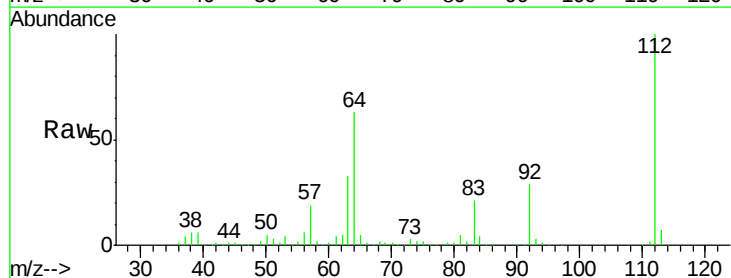
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



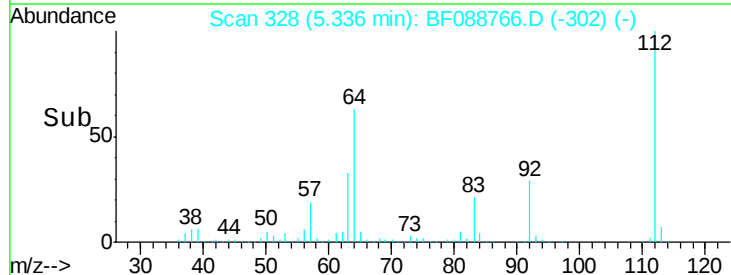
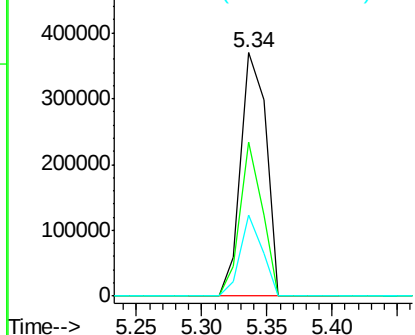
#5

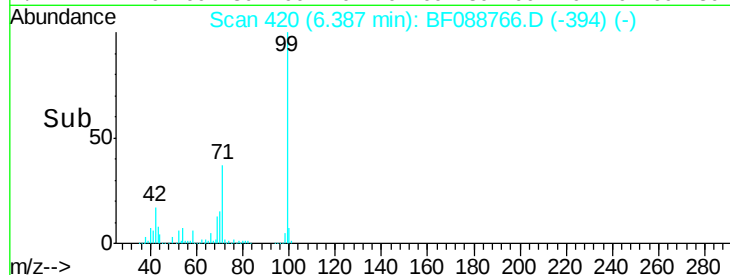
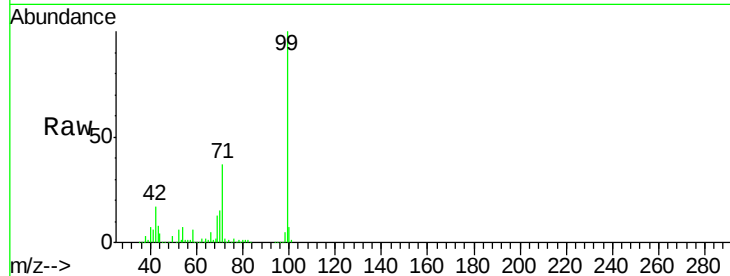
2-Fluorophenol
Concen: 83.23 ng
RT: 5.34 min Scan# 328
Delta R.T. -0.00 min
Lab File: BF088766.D
Acq: 7 Jul 2016 6:44

Tgt Ion:112 Resp: 501276
Ion Ratio Lower Upper
112 100
64 63.1 42.2 63.2
63 33.1 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: 85.30 ng

RT: 6.39 min Scan# 420

Delta R.T. -0.00 min

Lab File: BF088766.D

Acq: 7 Jul 2016 6:44

Instrument :

BNA_F

ClientSampleId :

SB-01-COMP

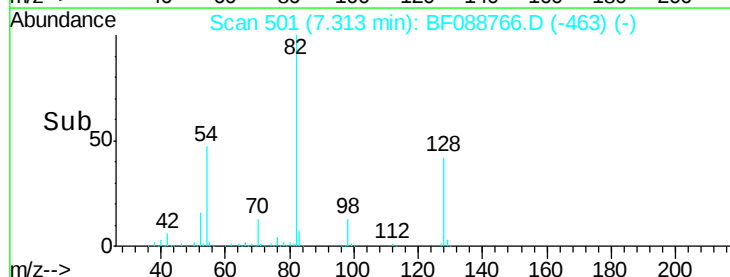
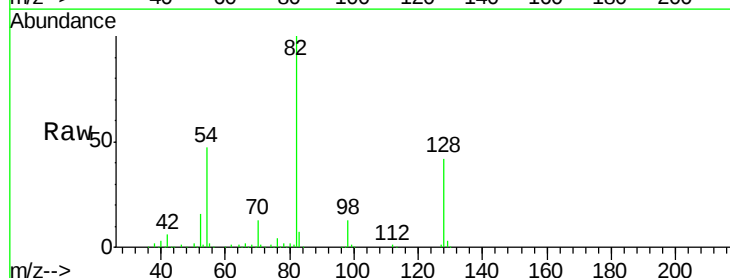
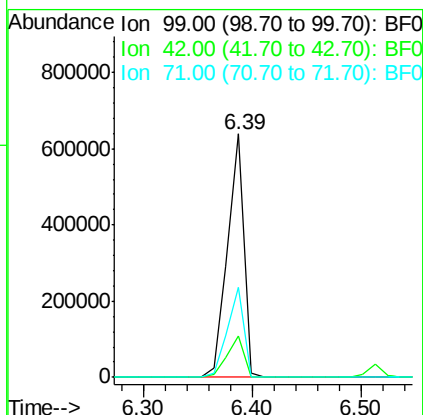
Tgt Ion: 99 Resp: 663863

Ion Ratio Lower Upper

99 100

42 17.2 12.2 18.2

71 36.9 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 11.12 ng

RT: 7.31 min Scan# 501

Delta R.T. 0.14 min

Lab File: BF088766.D

Acq: 7 Jul 2016 6:44

Tgt Ion: 70 Resp: 58124

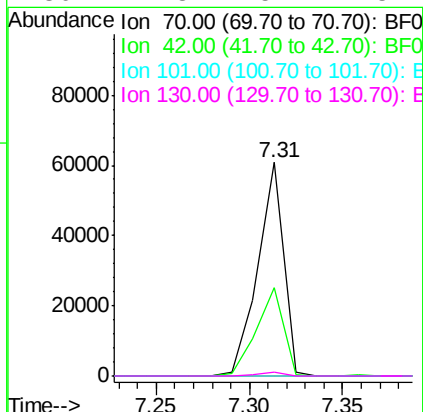
Ion Ratio Lower Upper

70 100

42 41.5 49.6 74.4#

101 0.0 7.1 10.7#

130 1.8 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 564

Delta R.T. -0.00 min

Lab File: BF088766.D

Acq: 7 Jul 2016 6:44

Instrument :

BNA_F

ClientSampleId :

SB-01-COMP

Tgt Ion:136 Resp: 383774

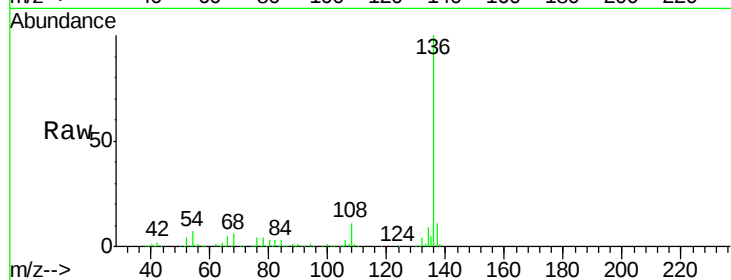
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.8 6.6 10.0

68 5.5 5.1 7.7

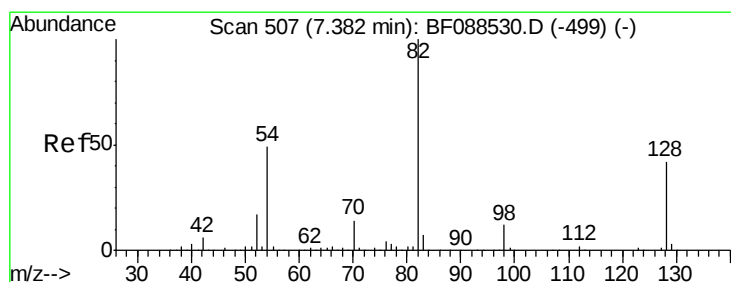
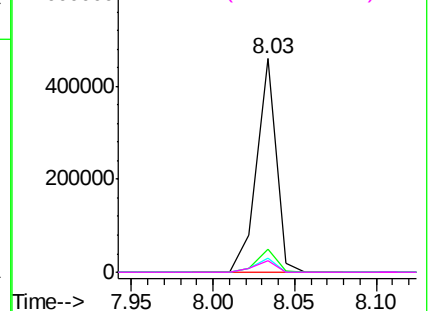
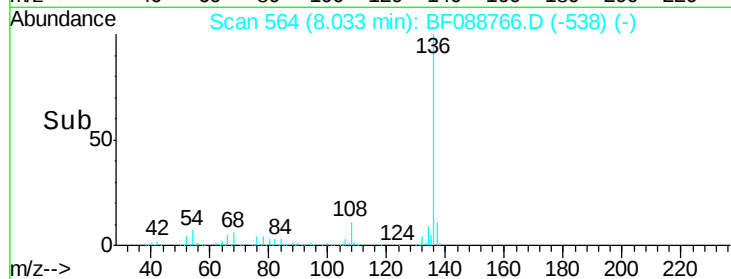


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.16 ng

RT: 7.31 min Scan# 501

Delta R.T. -0.01 min

Lab File: BF088766.D

Acq: 7 Jul 2016 6:44

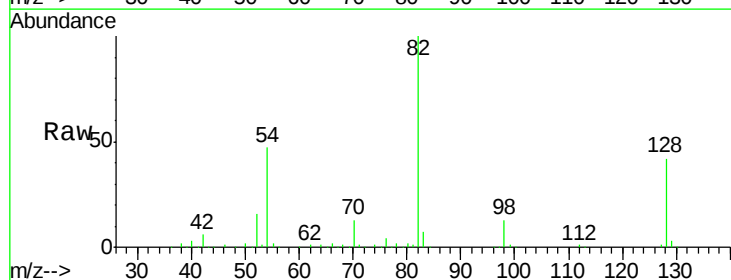
Tgt Ion: 82 Resp: 433273

Ion Ratio Lower Upper

82 100

128 41.8 35.9 53.9

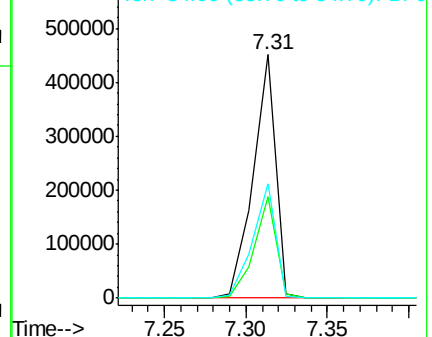
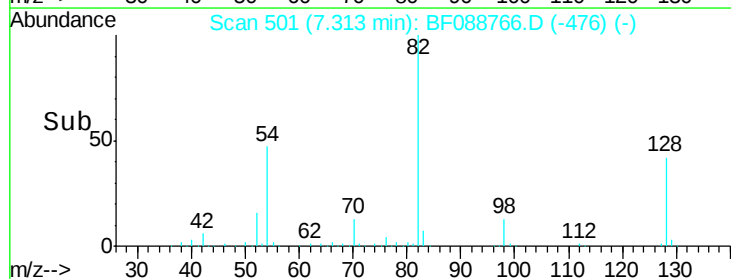
54 46.9 40.9 61.3

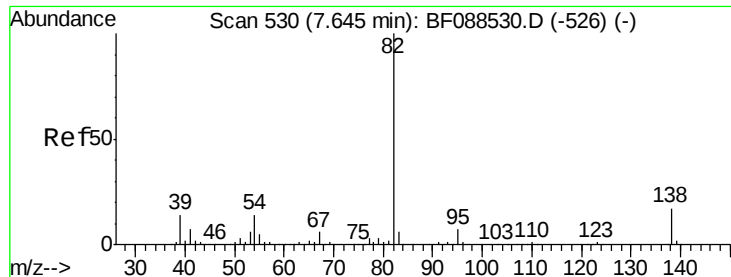


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 23.26 ng

RT: 7.31 min Scan# 501

Delta R.T. -0.26 min

Lab File: BF088766.D

Acq: 7 Jul 2016 6:44

Instrument :

BNA_F

ClientSampleId :

SB-01-COMP

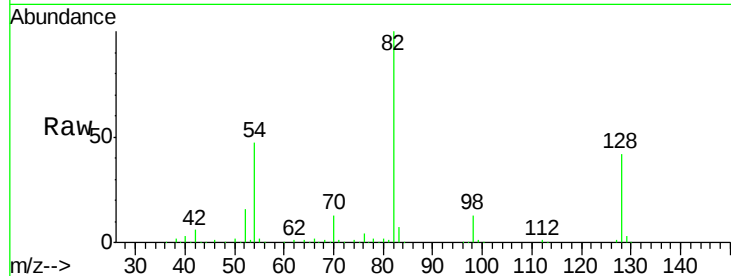
Tgt Ion: 82 Resp: 315499

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

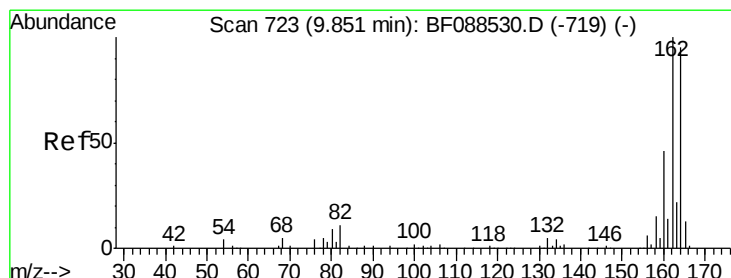
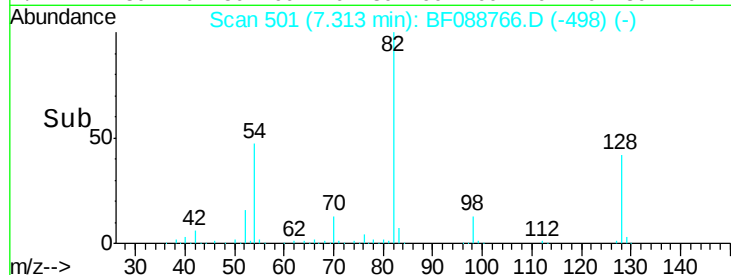
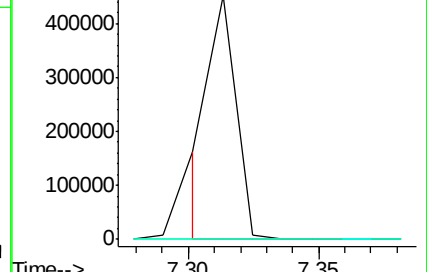
138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF088530.D (-526) (-)

Ion 95.00 (94.70 to 95.70): BF088530.D (-526) (-)

Ion 138.00 (137.70 to 138.70): BF088530.D (-526) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.00 min

Lab File: BF088766.D

Acq: 7 Jul 2016 6:44

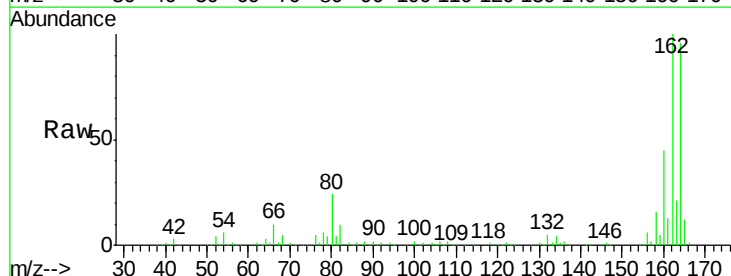
Tgt Ion: 164 Resp: 161868

Ion Ratio Lower Upper

164 100

162 104.2 85.4 128.2

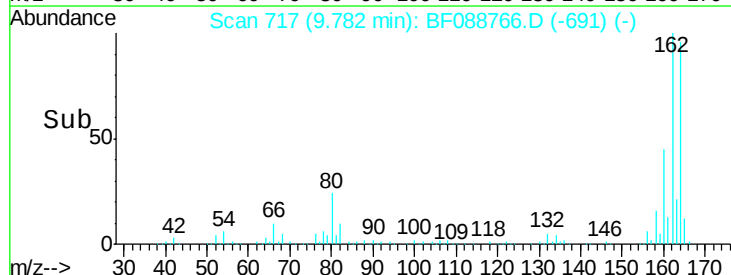
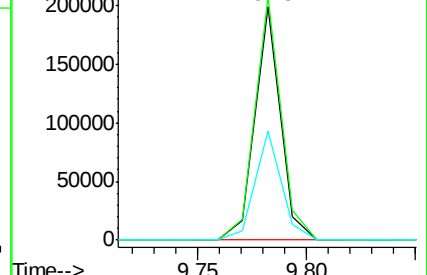
160 46.6 39.5 59.3

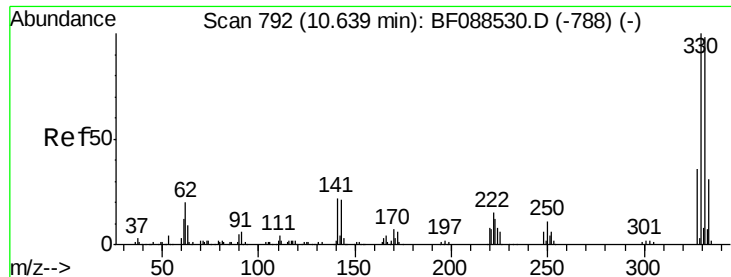


Abundance Ion 164.00 (163.70 to 164.70): BF088530.D (-719) (-)

Ion 162.00 (161.70 to 162.70): BF088530.D (-719) (-)

Ion 160.00 (159.70 to 160.70): BF088530.D (-719) (-)

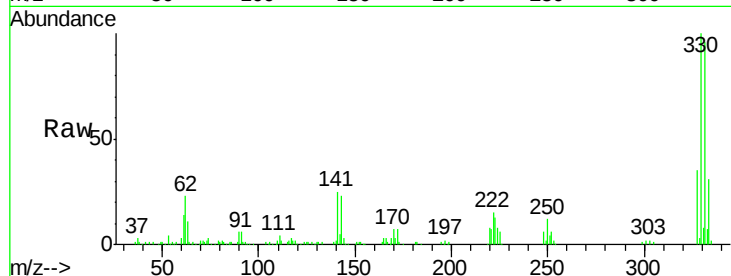




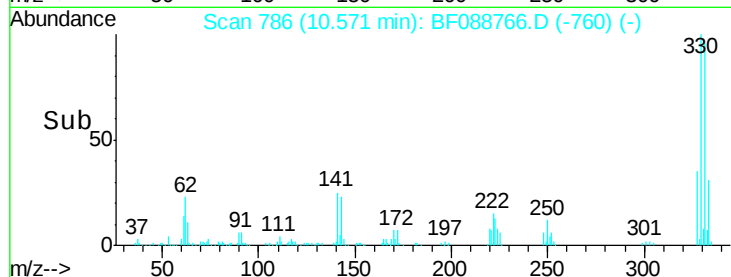
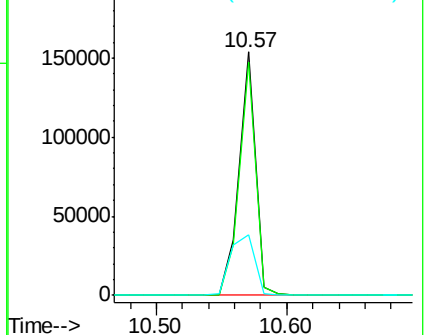
#41
 2,4,6-Tribromophenol
 Concen: 89.43 ng
 RT: 10.57 min Scan# 786
 Delta R.T. -0.00 min
 Lab File: BF088766.D
 Acq: 7 Jul 2016 6:44

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-COMP

Tgt Ion:330 Resp: 134424
 Ion Ratio Lower Upper
 330 100
 332 95.2 0.0 0.0#
 141 36.9 0.0 0.0#

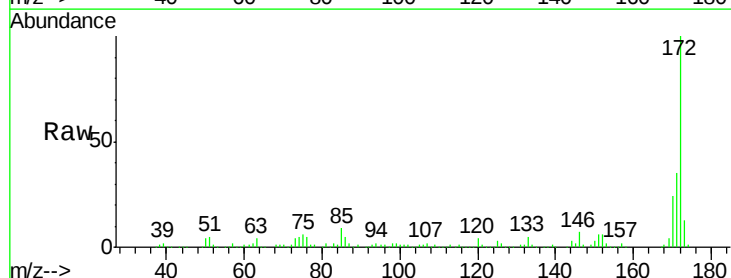


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

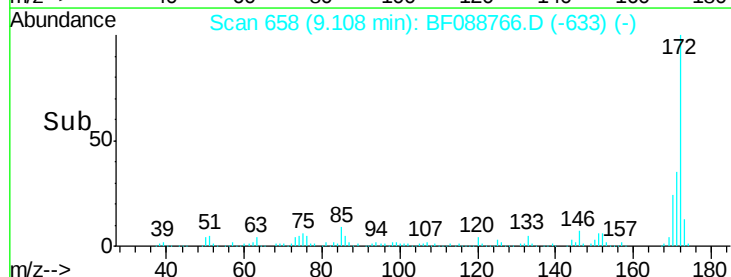
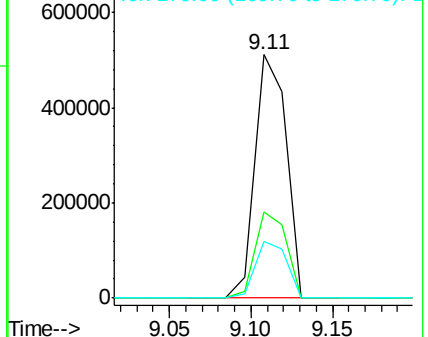


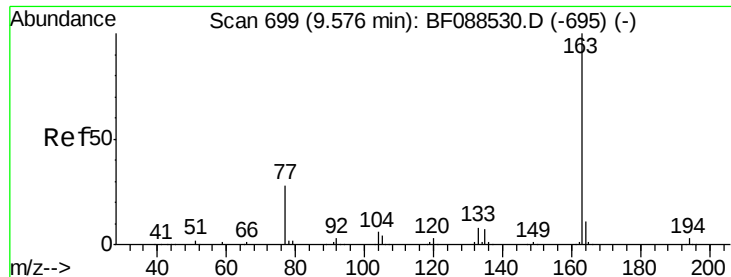
#44
 2-Fluorobiphenyl
 Concen: 66.35 ng
 RT: 9.11 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: BF088766.D
 Acq: 7 Jul 2016 6:44

Tgt Ion:172 Resp: 679912
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.6 43.0
 170 23.5 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: 9.67 ng

RT: 9.51 min Scan# 693

Delta R.T. -0.01 min

Lab File: BF088766.D

Acq: 7 Jul 2016 6:44

Instrument :

BNA_F

ClientSampleId :

SB-01-COMP

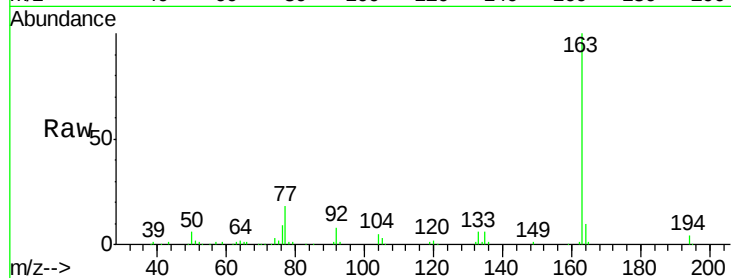
Tgt Ion:163 Resp: 111485

Ion Ratio Lower Upper

163 100

194 3.6 2.8 4.2

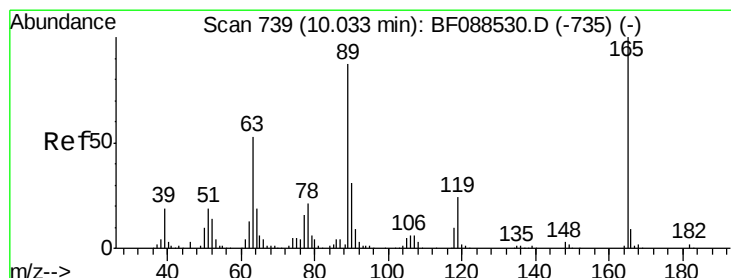
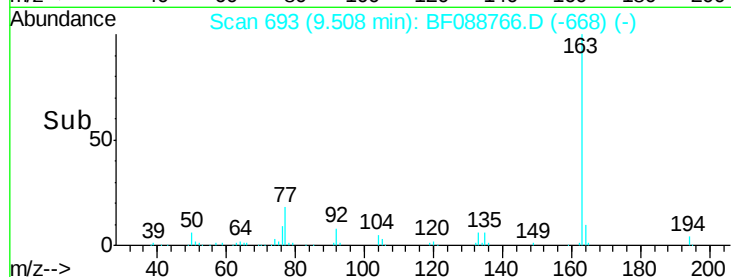
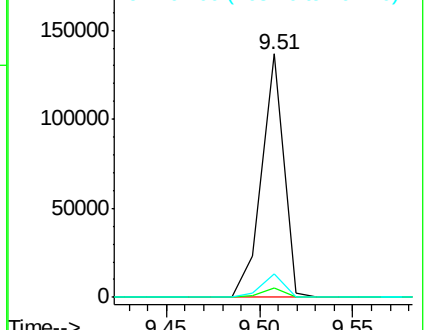
164 9.6 8.3 12.5



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: 6.33 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.19 min

Lab File: BF088766.D

Acq: 7 Jul 2016 6:44

Tgt Ion:165 Resp: 21156

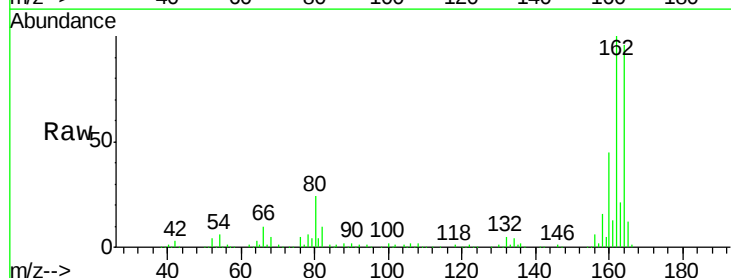
Ion Ratio Lower Upper

165 100

63 1.8 22.0 33.0#

89 2.2 41.1 61.7#

182 0.0 2.0 3.0#

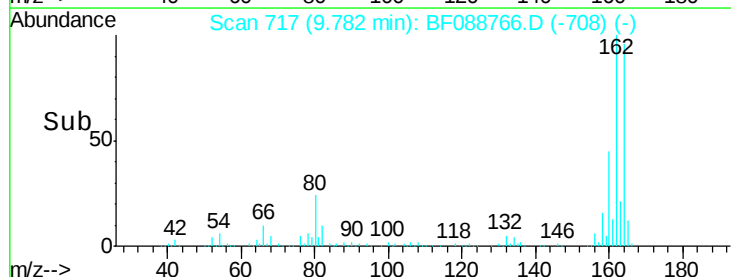
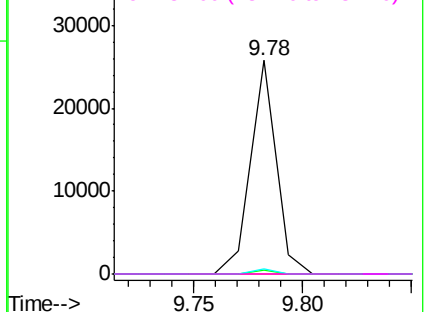


Abundance Ion 165.00 (164.70 to 165.70): E

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

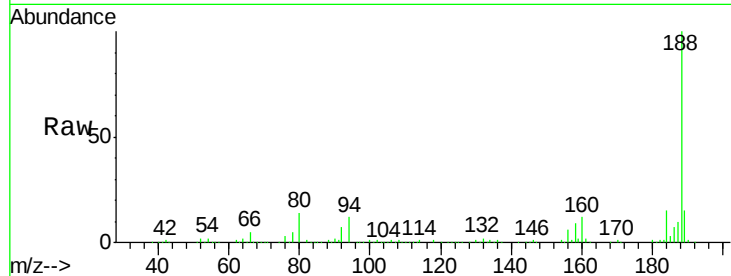




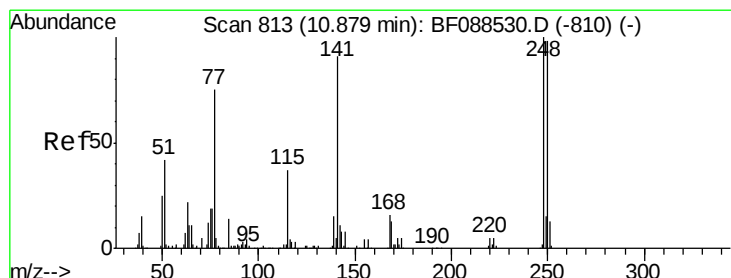
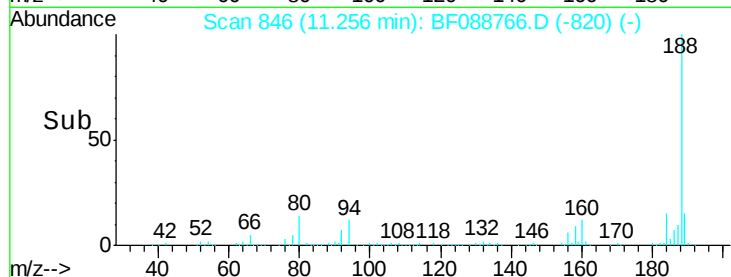
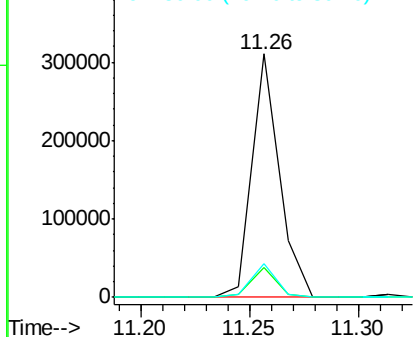
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 846
Delta R.T. -0.00 min
Lab File: BF088766.D
Acq: 7 Jul 2016 6:44

Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

Tgt Ion:188 Resp: 271866
Ion Ratio Lower Upper
188 100
94 12.2 9.0 13.6
80 14.0 10.0 15.0

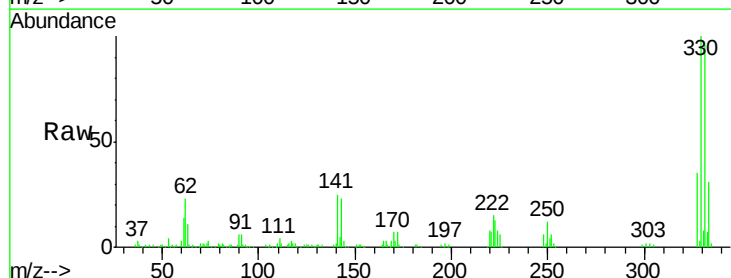


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

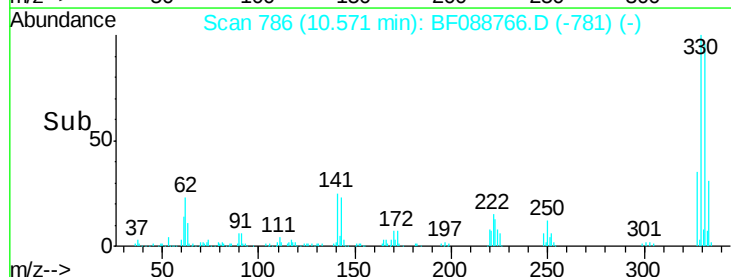
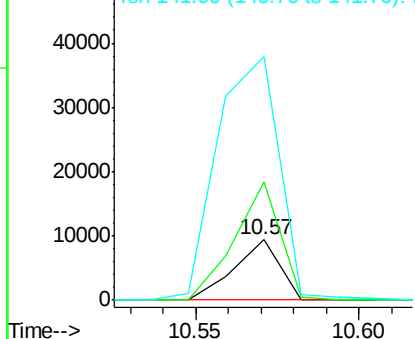


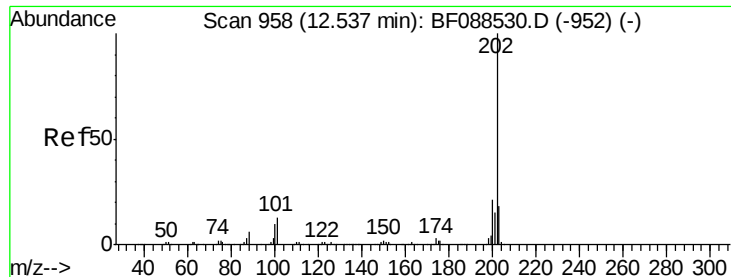
#66
4-Bromophenyl-phenylether
Concen: 3.23 ng
RT: 10.57 min Scan# 786
Delta R.T. -0.24 min
Lab File: BF088766.D
Acq: 7 Jul 2016 6:44

Tgt Ion:248 Resp: 8841
Ion Ratio Lower Upper
248 100
250 197.3 77.1 115.7#
141 405.8 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





#74

Fluoranthene

Concen: 2.46 ng

RT: 12.47 min Scan# 952

Delta R.T. -0.00 min

Lab File: BF088766.D

Acq: 7 Jul 2016 6:44

Instrument :

BNA_F

ClientSampleId :

SB-01-COMP

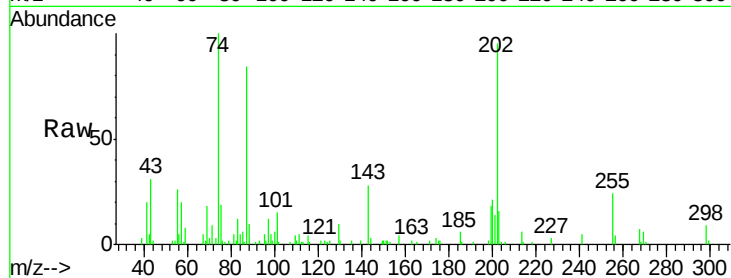
Tgt Ion:202 Resp: 37019

Ion Ratio Lower Upper

202 100

101 15.9 0.0 33.1

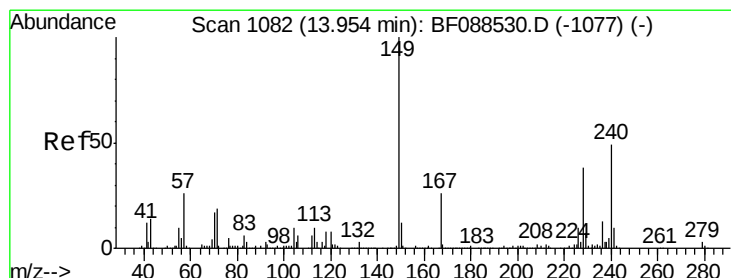
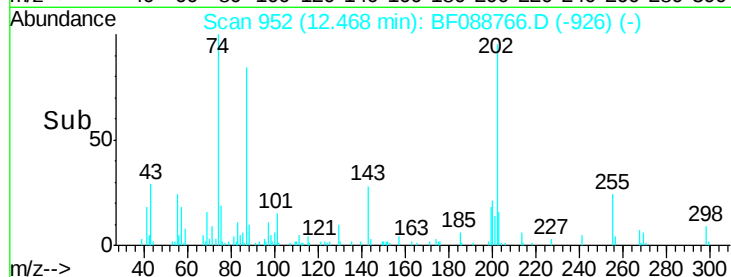
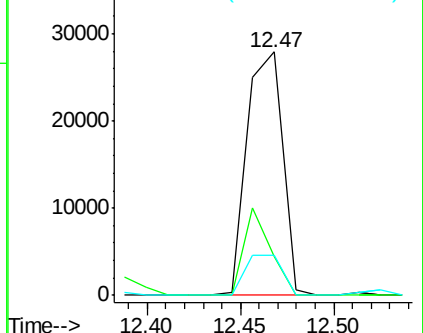
203 16.5 0.0 38.1



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: 13.89 min Scan# 1076

Delta R.T. -0.00 min

Lab File: BF088766.D

Acq: 7 Jul 2016 6:44

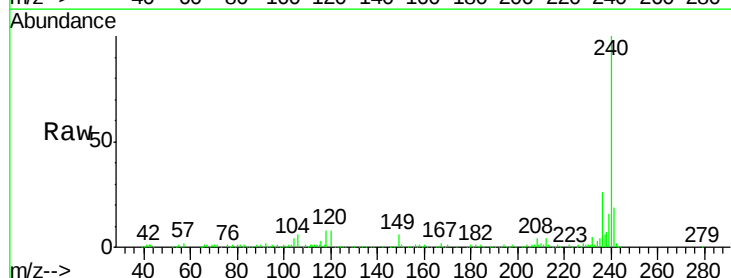
Tgt Ion:240 Resp: 184515

Ion Ratio Lower Upper

240 100

120 8.4 6.8 10.2

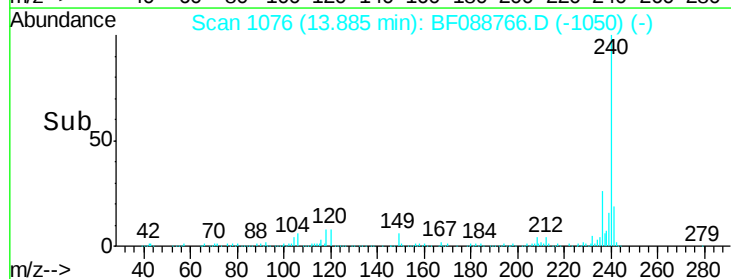
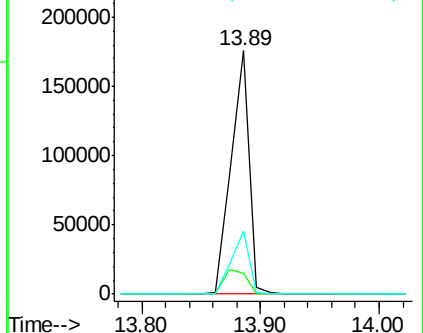
236 25.8 20.2 30.2

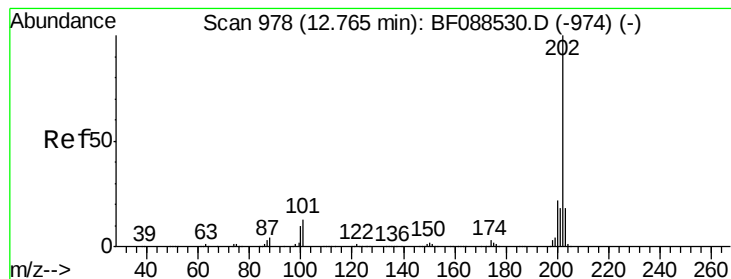


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.25 ng

RT: 12.69 min Scan# 971

Delta R.T. -0.01 min

Lab File: BF088766.D

Acq: 7 Jul 2016 6:44

Instrument :

BNA_F

ClientSampleId :

SB-01-COMP

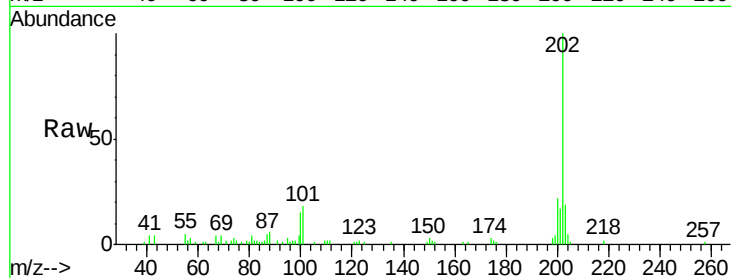
Tgt Ion:202 Resp: 35278

Ion Ratio Lower Upper

202 100

200 22.0 17.4 26.2

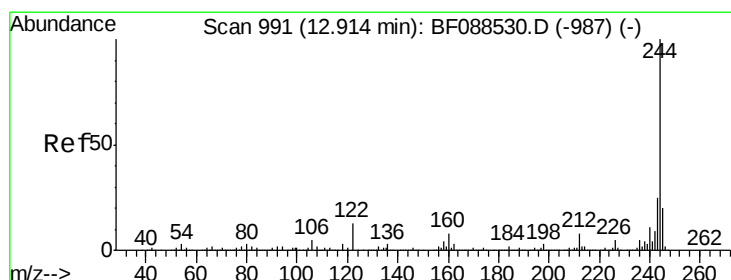
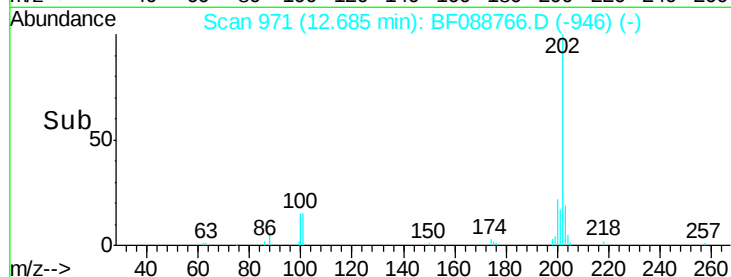
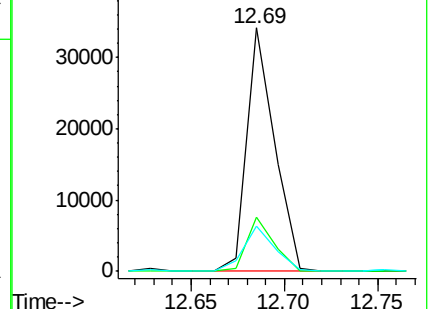
203 18.6 14.5 21.7



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: 62.18 ng

RT: 12.85 min Scan# 985

Delta R.T. -0.00 min

Lab File: BF088766.D

Acq: 7 Jul 2016 6:44

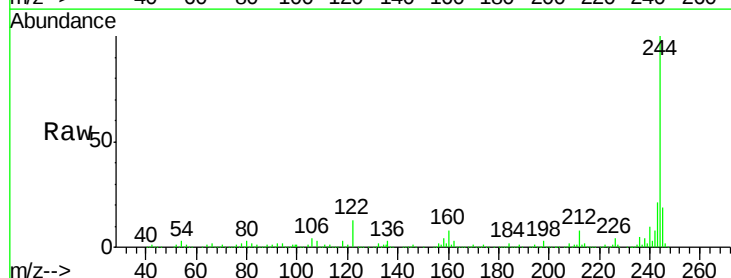
Tgt Ion:244 Resp: 515066

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

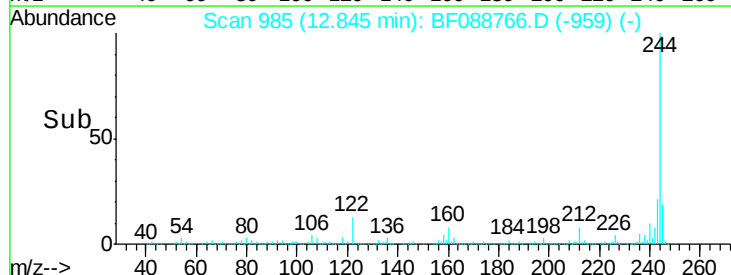
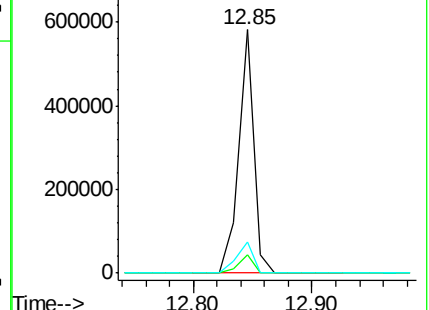
122 12.7 11.2 16.8

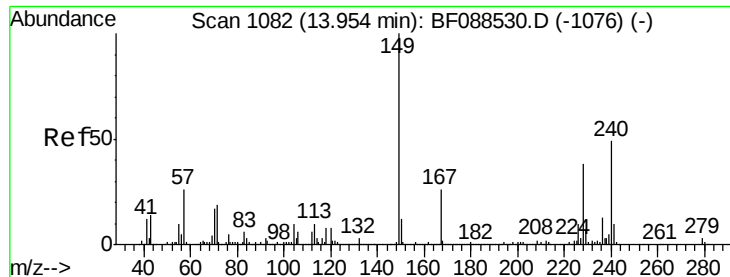


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.30 ng

RT: 13.89 min Scan# 1076

Delta R.T. -0.00 min

Lab File: BF088766.D

Acq: 7 Jul 2016 6:44

Instrument :

BNA_F

ClientSampleId :

SB-01-COMP

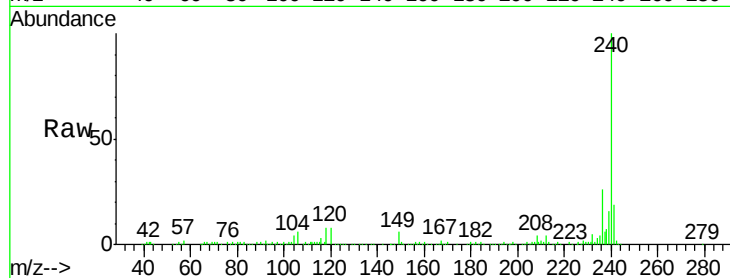
Tgt Ion:149 Resp: 18344

Ion Ratio Lower Upper

149 100

167 28.9 20.5 30.7

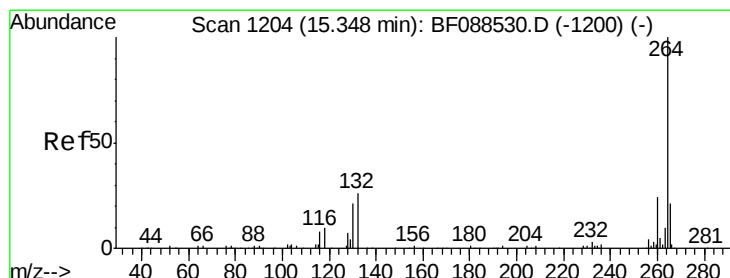
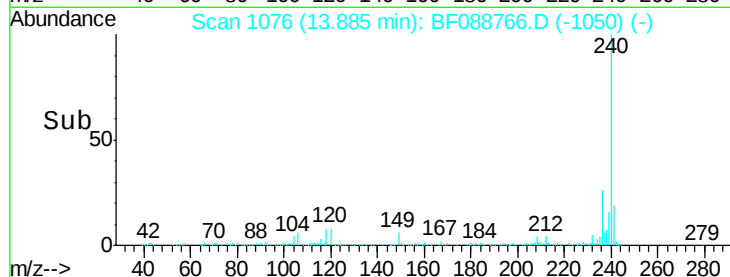
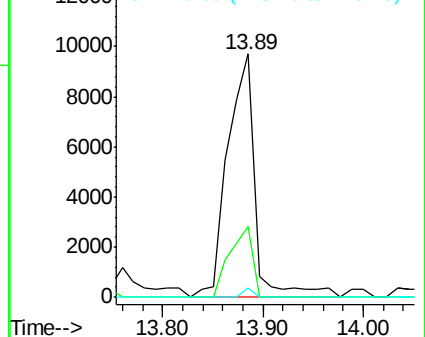
279 3.8 2.0 3.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.27 min Scan# 1197

Delta R.T. -0.00 min

Lab File: BF088766.D

Acq: 7 Jul 2016 6:44

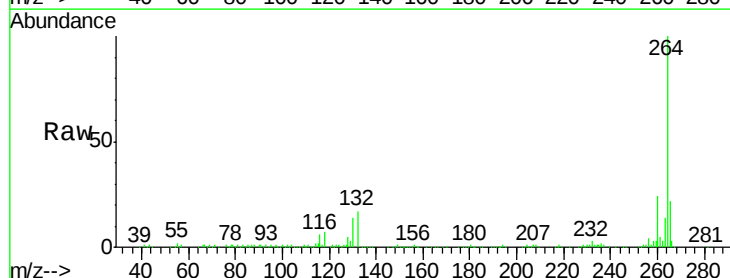
Tgt Ion:264 Resp: 175686

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

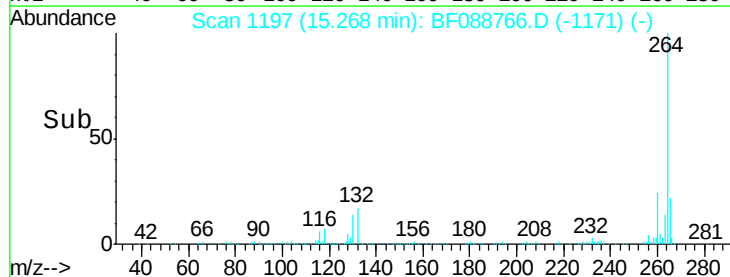
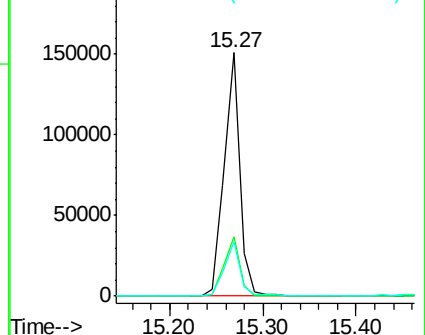
265 22.3 16.9 25.3

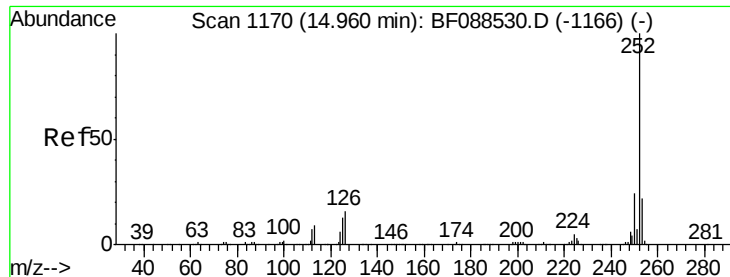


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

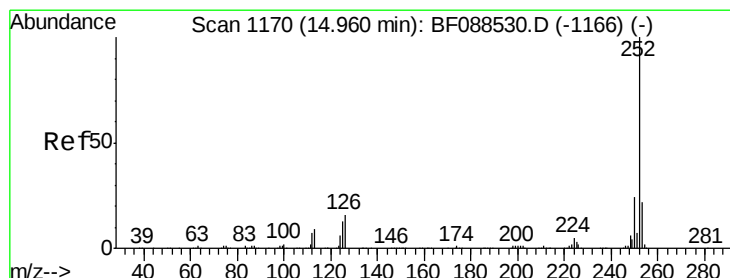
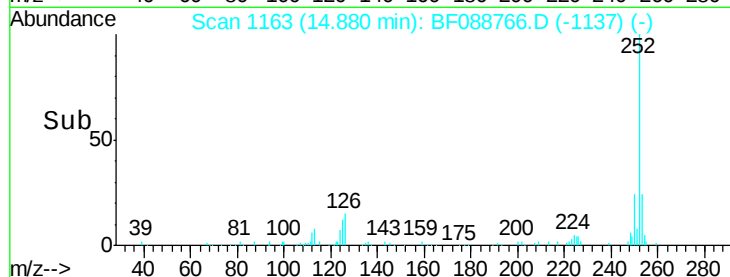
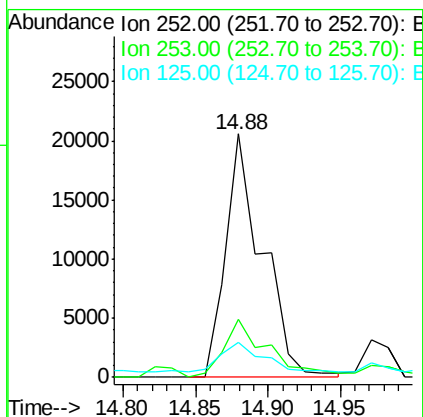
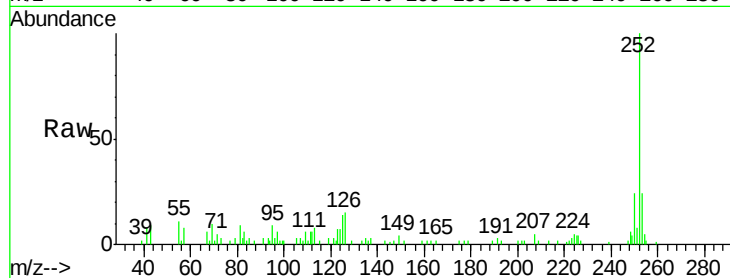




#87
Benzo(b)fluoranthene
Concen: 3.26 ng
RT: 14.88 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BF088766.D
Acq: 7 Jul 2016 6:44

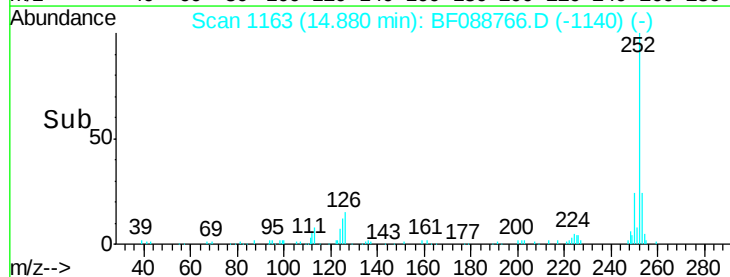
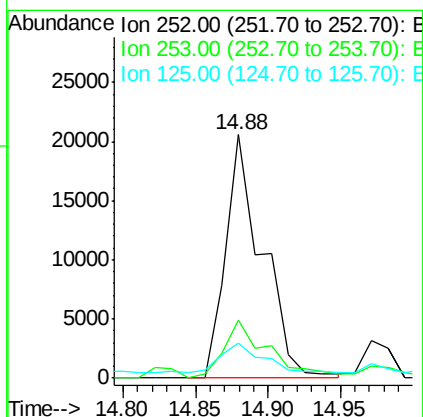
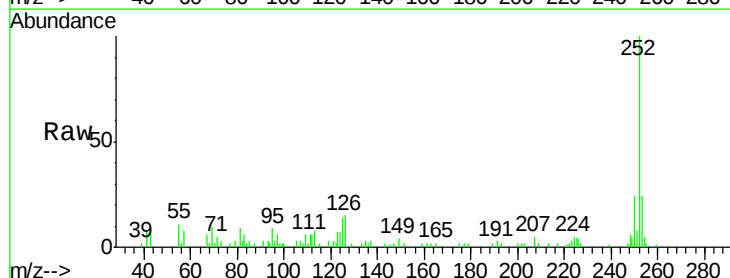
Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

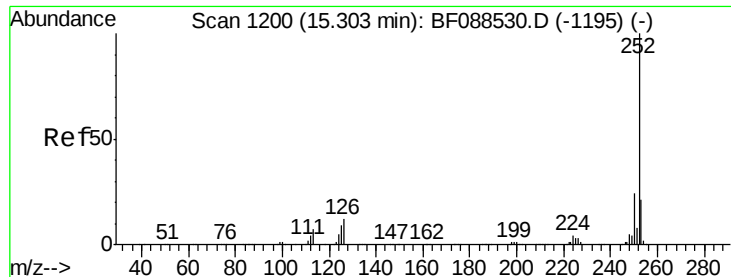
Tgt Ion:252 Resp: 35965
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.2
125 14.3 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 3.75 ng
RT: 14.88 min Scan# 1163
Delta R.T. -0.03 min
Lab File: BF088766.D
Acq: 7 Jul 2016 6:44

Tgt Ion:252 Resp: 35965
Ion Ratio Lower Upper
252 100
253 23.8 18.0 27.0
125 14.3 11.2 16.8





#89

Benzo(a)pyrene

Concen: 2.01 ng

RT: 15.20 min Scan# 1191

Delta R.T. -0.01 min

Lab File: BF088766.D

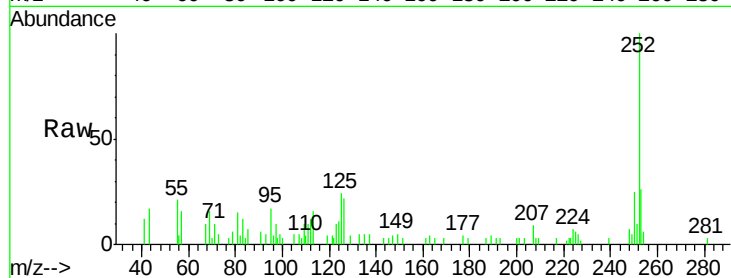
Acq: 7 Jul 2016 6:44

Instrument :

BNA_F

ClientSampleId :

SB-01-COMP



Tgt Ion:	252	Resp:	18744
Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.9	26.9
125	23.9	12.5	18.7#

