

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071916\
 Data File : BF089114.D
 Acq On : 19 Jul 2016 13:14
 Operator : UM/SJ
 Sample : H3972-14DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SS-SS04(0-2in)DL

Quant Time: Jul 20 02:11:51 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 19 15:28:17 2016
 Response via : Initial Calibration

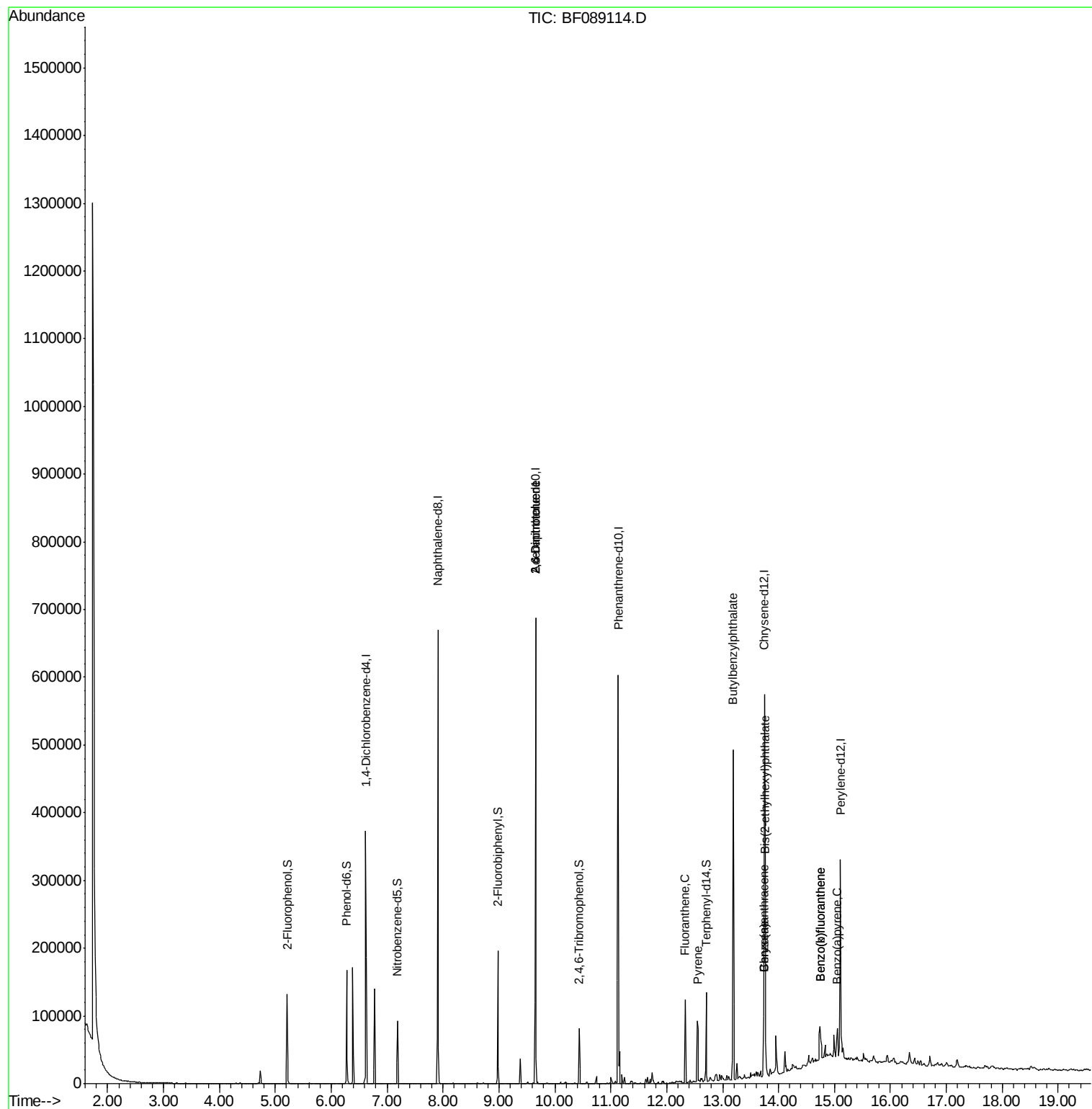
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	63449	20.00	ng	-0.01
21) Naphthalene-d8	7.91	136	265723	20.00	ng	0.00
38) Acenaphthene-d10	9.66	164	124745	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	210087	20.00	ng	0.00
75) Chrysene-d12	13.75	240	126212	20.00	ng	-0.01
86) Perylene-d12	15.11	264	124637	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	39025	9.22	ng	0.00
7) Phenol-d6	6.27	99	55997	10.24	ng	-0.01
23) Nitrobenzene-d5	7.19	82	32098	6.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.43	330	7647	6.60	ng	-0.01
44) 2-Fluorobiphenyl	8.98	172	56910	7.21	ng	-0.01
78) Terphenyl-d14	12.71	244	35321	6.23	ng	-0.01
Target Compounds						
50) 2,6-Dinitrotoluene	9.66	165	15983	8.11	ng	# 39
56) 2,4-Dinitrotoluene	9.66	165	15983	6.21	ng	# 37
74) Fluoranthene	12.33	202	43792	3.76	ng	97
77) Pyrene	12.56	202	37241	3.48	ng	98
79) Butylbenzylphthalate	13.19	149	108645	22.76	ng	# 74
80) Benzo(a)anthracene	13.74	228	20748	2.55	ng	93
82) Chrysene	13.74	228	20748	2.58	ng	98
83) Bis(2-ethylhexyl)phthalate	13.76	149	63103	11.58	ng	# 98
87) Benzo(b)fluoranthene	14.74	252	31291	4.00	ng	# 93
88) Benzo(k)fluoranthene	14.74	252	31291	4.60	ng	98
89) Benzo(a)pyrene	15.05	252	16797	2.54	ng	97

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.01 min

Lab File: BF089114.D

Acq: 19 Jul 2016 13:14

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS04(0-2in)DL

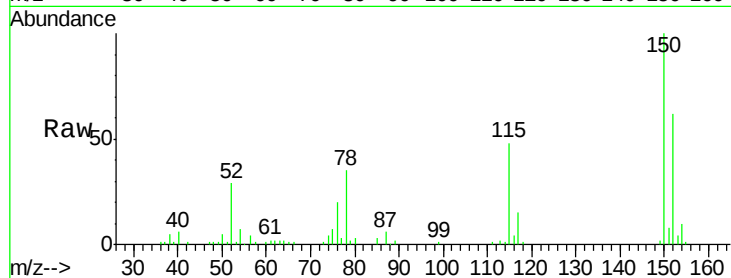
Tgt Ion:152 Resp: 63449

Ion Ratio Lower Upper

152 100

150 160.6 123.8 185.6

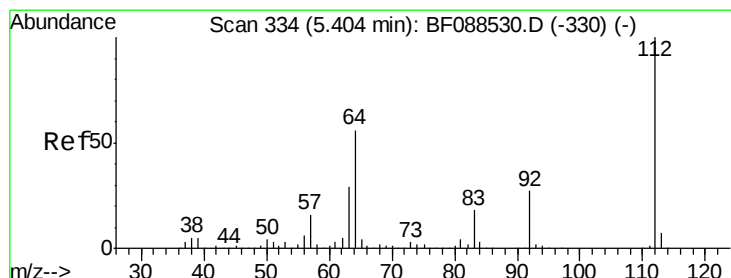
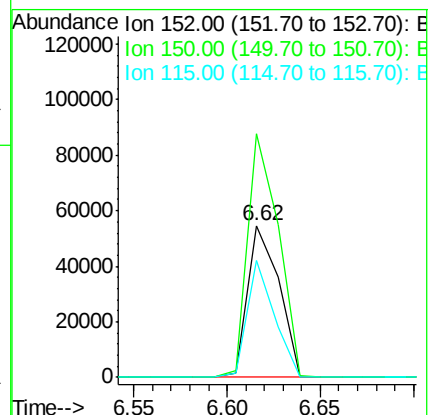
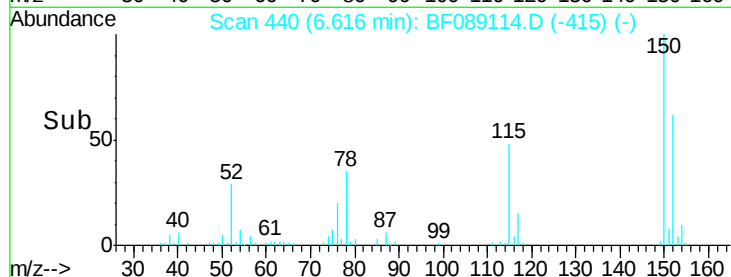
115 77.1 39.6 59.4#



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: 9.22 ng

RT: 5.21 min Scan# 317

Delta R.T. 0.00 min

Lab File: BF089114.D

Acq: 19 Jul 2016 13:14

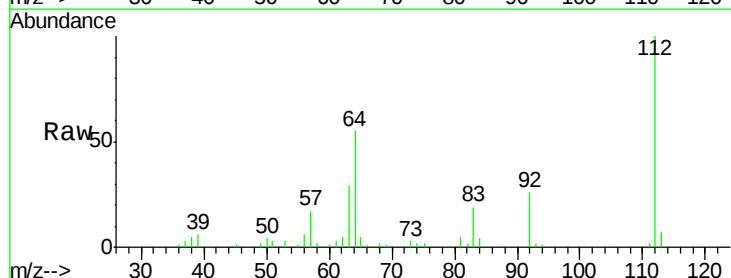
Tgt Ion:112 Resp: 39025

Ion Ratio Lower Upper

112 100

64 55.0 42.2 63.2

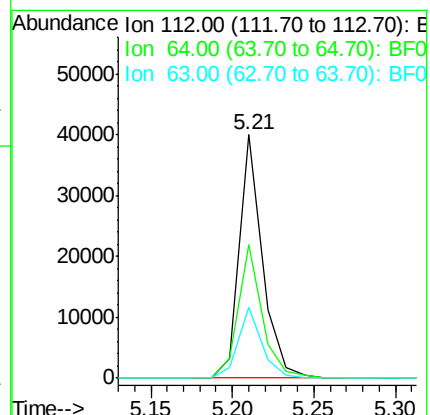
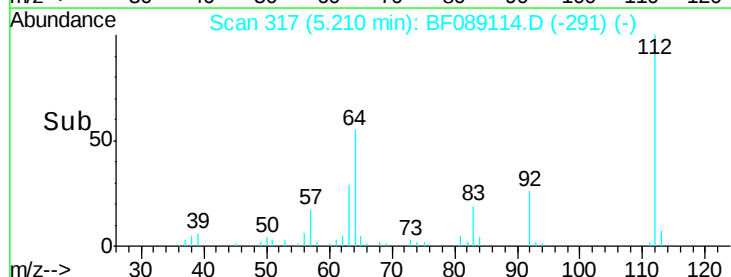
63 29.3 21.8 32.8



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: 10.24 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF089114.D

Acq: 19 Jul 2016 13:14

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS04(0-2in)DL

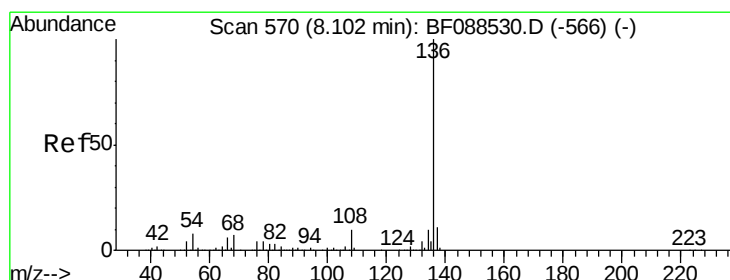
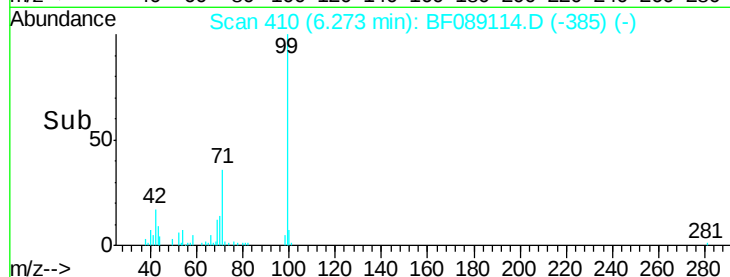
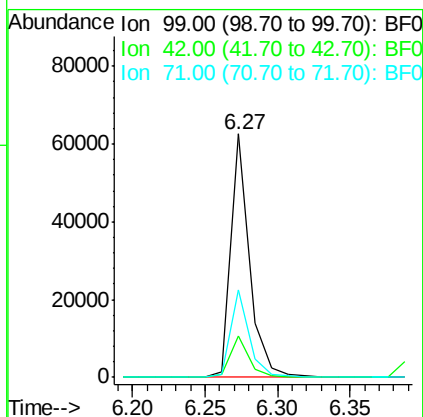
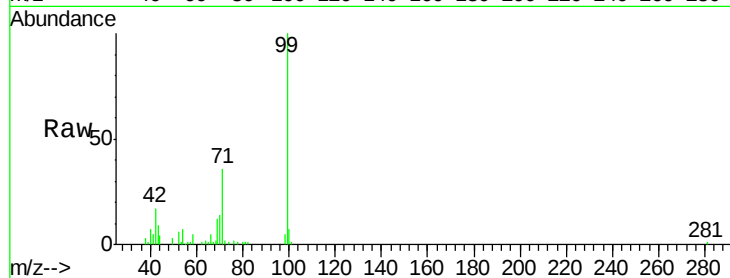
Tgt Ion: 99 Resp: 55997

Ion Ratio Lower Upper

99 100

42 17.1 12.2 18.2

71 35.9 23.4 35.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 553

Delta R.T. 0.00 min

Lab File: BF089114.D

Acq: 19 Jul 2016 13:14

Tgt Ion: 136 Resp: 265723

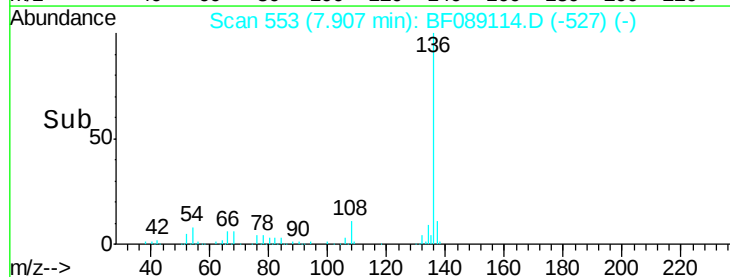
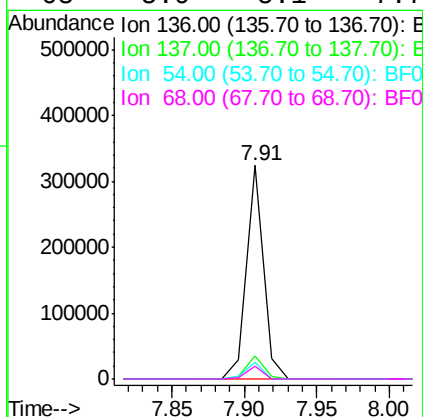
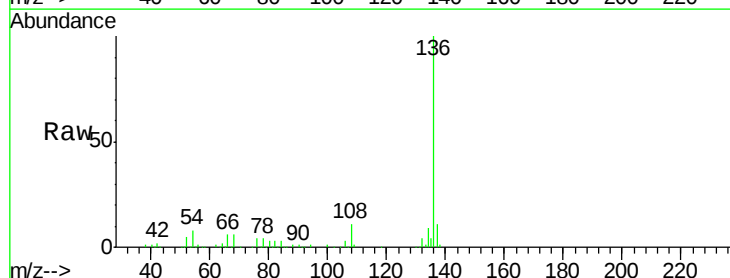
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 7.8 6.6 10.0

68 5.9 5.1 7.7

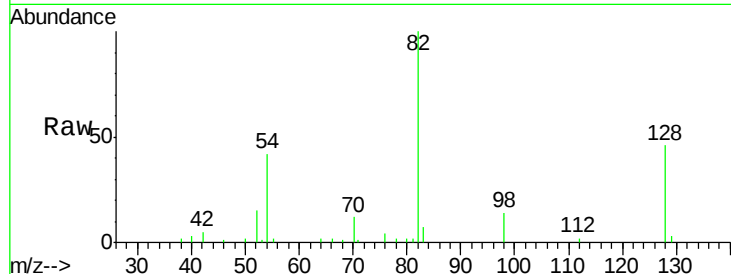




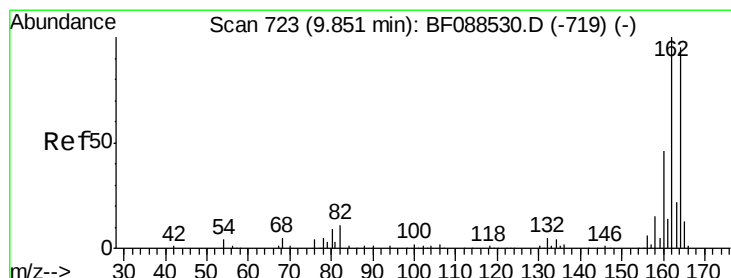
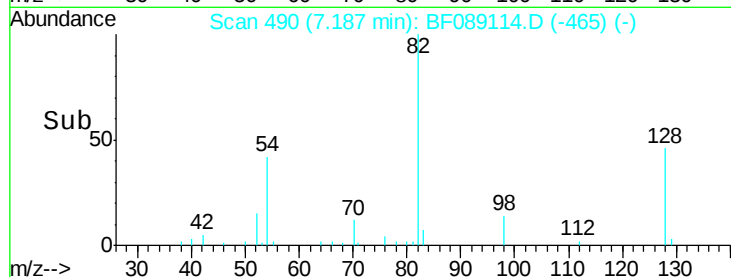
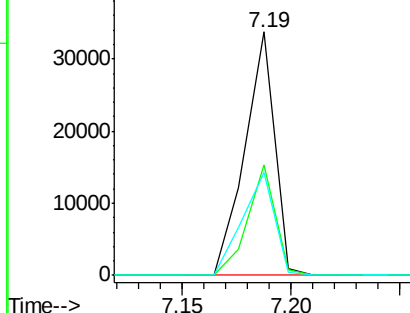
#23
 Nitrobenzene-d5
 Concen: 6.33 ng
 RT: 7.19 min Scan# 490
 Delta R.T. -0.01 min
 Lab File: BF089114.D
 Acq: 19 Jul 2016 13:14

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SS-SS04(0-2in)DL

Tgt Ion: 82 Resp: 32098
 Ion Ratio Lower Upper
 82 100
 128 45.6 35.9 53.9
 54 42.3 40.9 61.3

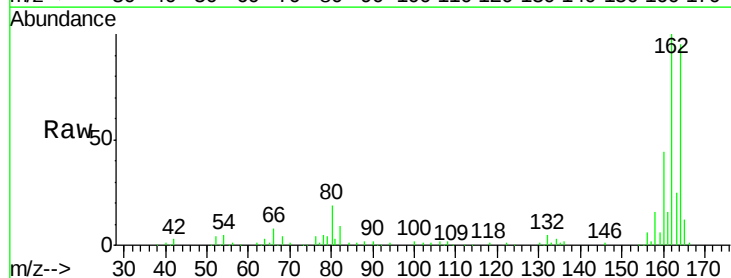


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

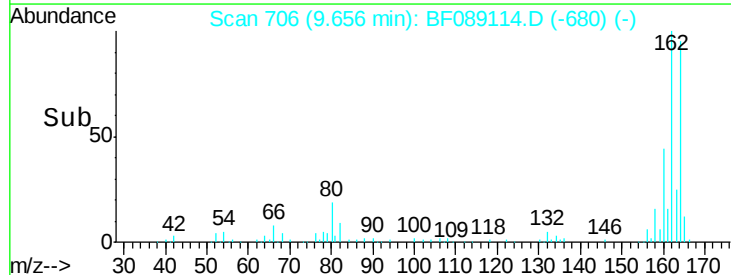
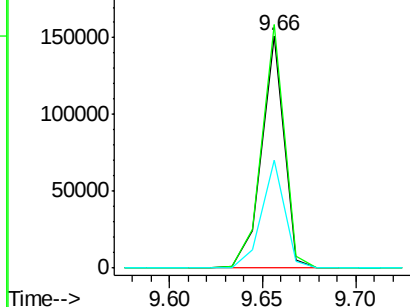


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: BF089114.D
 Acq: 19 Jul 2016 13:14

Tgt Ion: 164 Resp: 124745
 Ion Ratio Lower Upper
 164 100
 162 104.9 85.4 128.2
 160 46.4 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

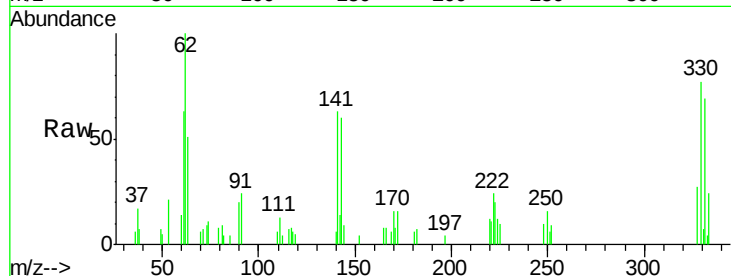




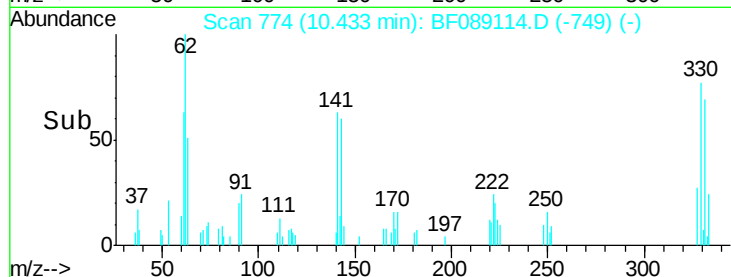
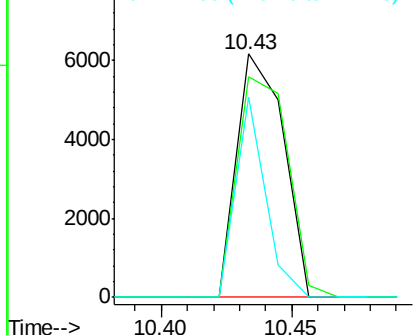
#41
 2,4,6-Tribromophenol
 Concen: 6.60 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.01 min
 Lab File: BF089114.D
 Acq: 19 Jul 2016 13:14

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SS-SS04(0-2in)DL

Tgt Ion: 330 Resp: 7647
 Ion Ratio Lower Upper
 330 100
 332 99.1 0.0 0.0#
 141 52.8 0.0 0.0#

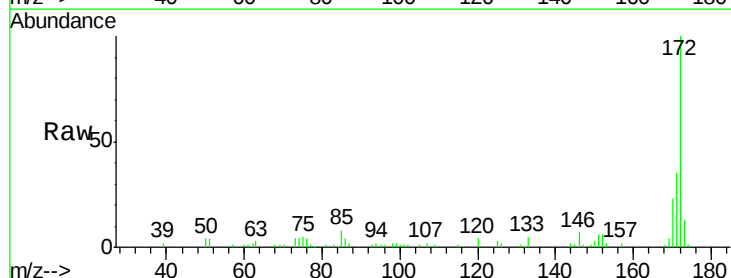


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

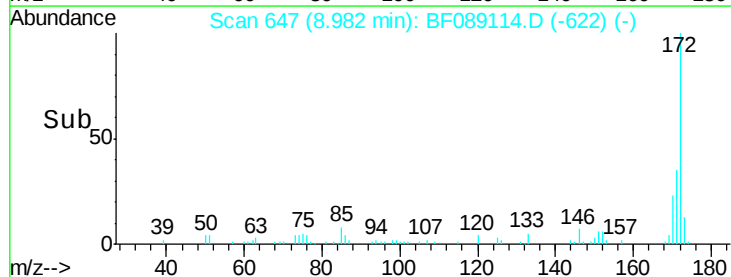
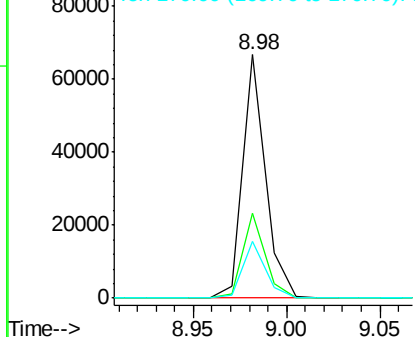


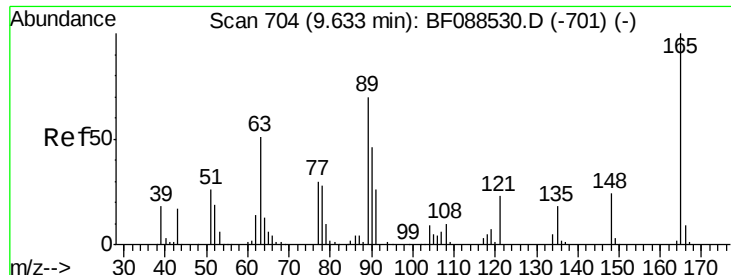
#44
 2-Fluorobiphenyl
 Concen: 7.21 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.01 min
 Lab File: BF089114.D
 Acq: 19 Jul 2016 13:14

Tgt Ion: 172 Resp: 56910
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.6 43.0
 170 23.3 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

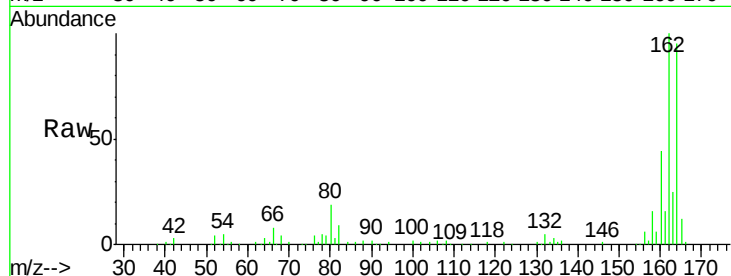




#50
 2,6-Dinitrotoluene
 Concen: 8.11 ng
 RT: 9.66 min Scan# 706
 Delta R.T. 0.19 min
 Lab File: BF089114.D
 Acq: 19 Jul 2016 13:14

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SS-SS04(0-2in)DL

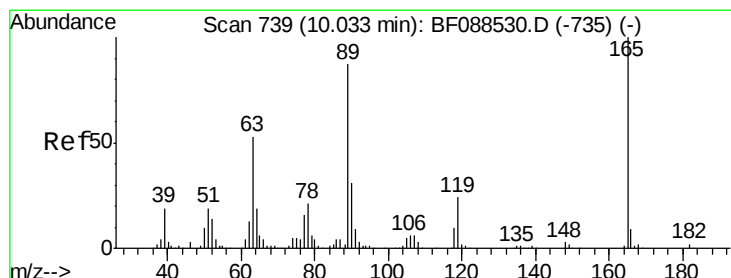
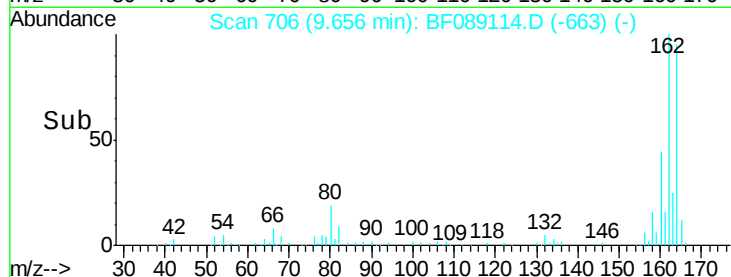
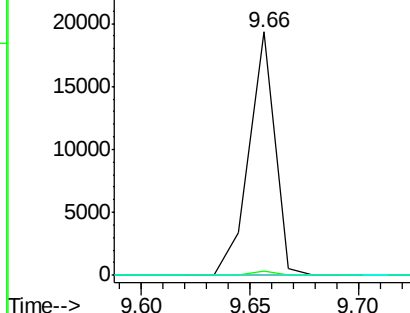
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	28.1	42.1#
89	0.0	32.2	48.2#



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



#56
 2,4-Dinitrotoluene
 Concen: 6.21 ng
 RT: 9.66 min Scan# 706
 Delta R.T. -0.21 min
 Lab File: BF089114.D
 Acq: 19 Jul 2016 13:14

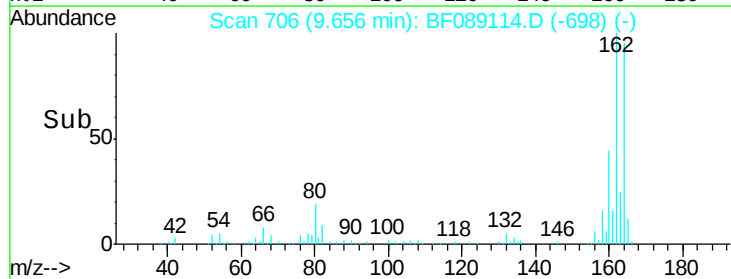
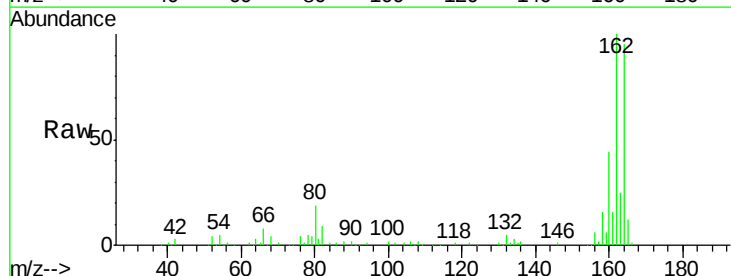
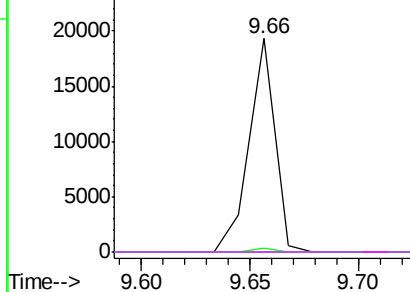
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#

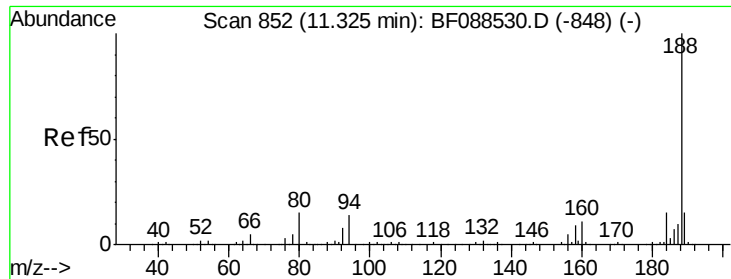
Abundance Ion 165.00 (164.70 to 165.70): E

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

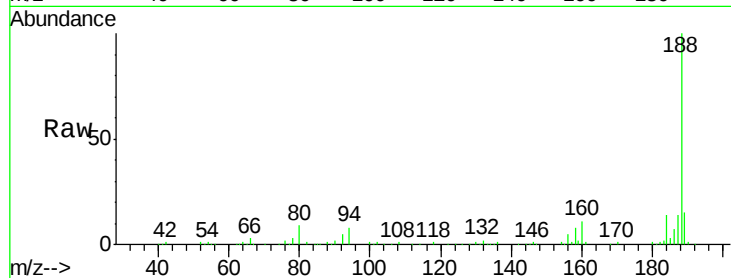




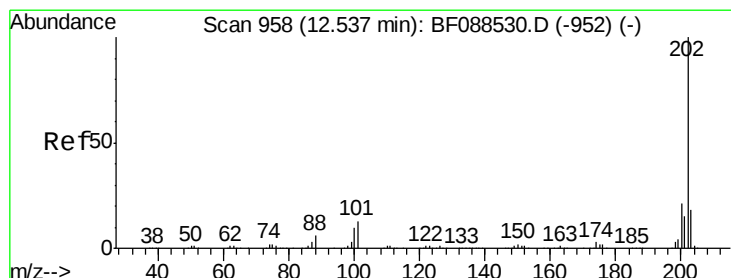
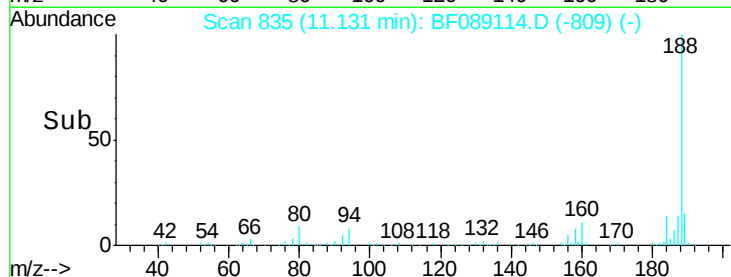
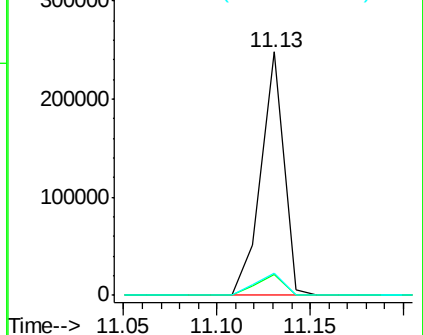
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. 0.00 min
Lab File: BF089114.D
Acq: 19 Jul 2016 13:14

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Tgt Ion:188 Resp: 210087
Ion Ratio Lower Upper
188 100
94 8.4 9.0 13.6#
80 9.0 10.0 15.0#

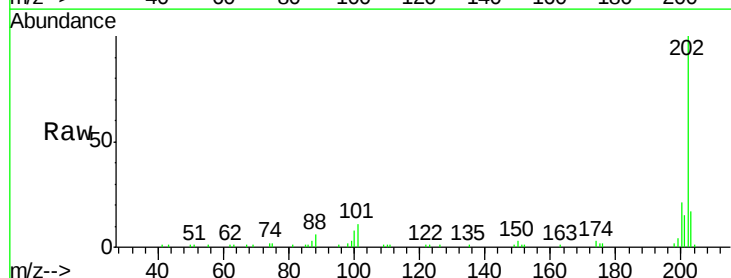


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

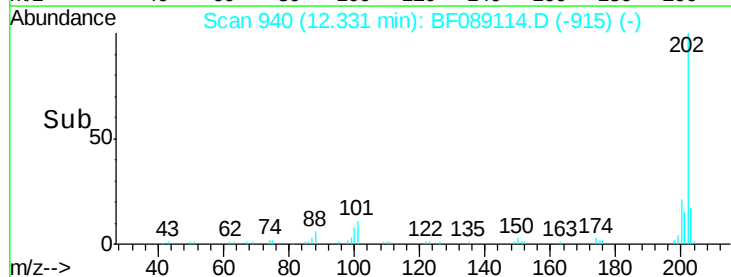
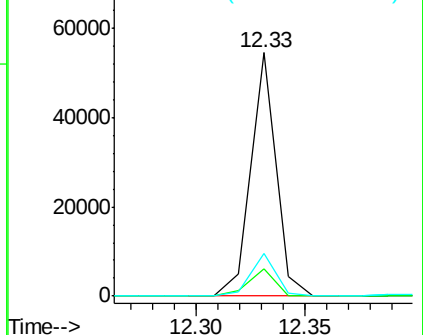


#74
Fluoranthene
Concen: 3.76 ng
RT: 12.33 min Scan# 940
Delta R.T. -0.01 min
Lab File: BF089114.D
Acq: 19 Jul 2016 13:14

Tgt Ion:202 Resp: 43792
Ion Ratio Lower Upper
202 100
101 11.0 0.0 33.1
203 17.3 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: 13.75 min Scan# 1064

Delta R.T. -0.01 min

Lab File: BF089114.D

Acq: 19 Jul 2016 13:14

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS04(0-2in)DL

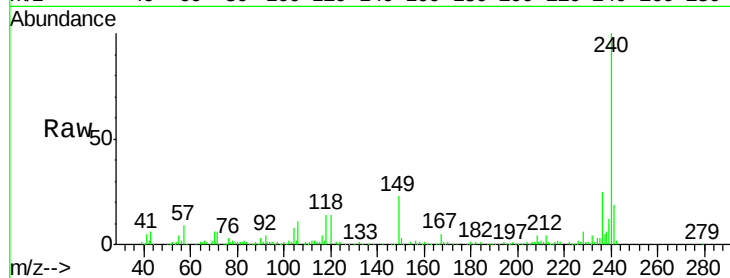
Tgt Ion:240 Resp: 126212

Ion Ratio Lower Upper

240 100

120 14.3 6.8 10.2#

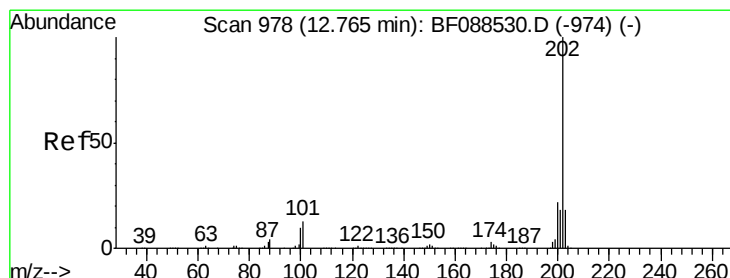
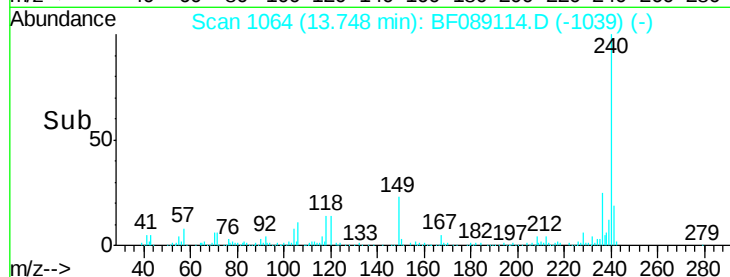
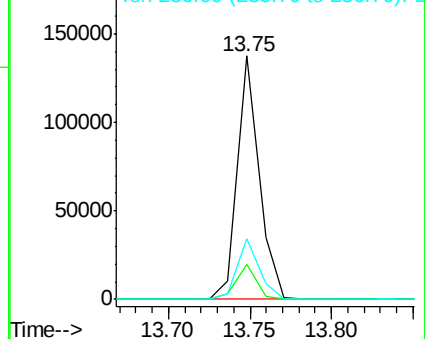
236 24.7 20.2 30.2



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: 3.48 ng

RT: 12.56 min Scan# 960

Delta R.T. 0.00 min

Lab File: BF089114.D

Acq: 19 Jul 2016 13:14

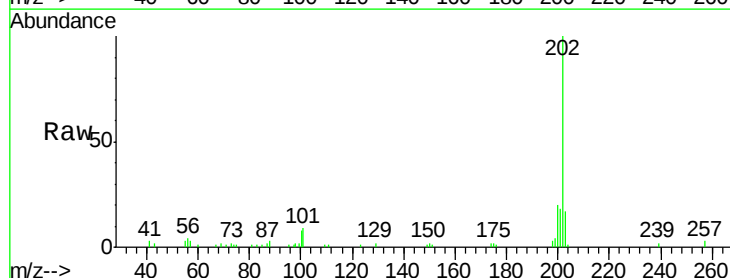
Tgt Ion:202 Resp: 37241

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

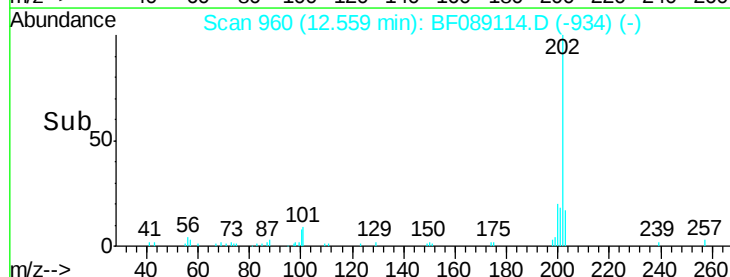
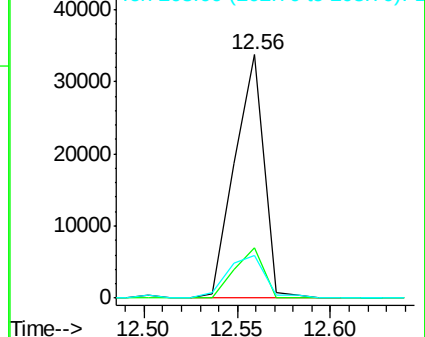
203 17.4 14.5 21.7



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





#78

Terphenyl-d14

Concen: 6.23 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.01 min

Lab File: BF089114.D

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LSS-SS-SS04(0-2in)DL

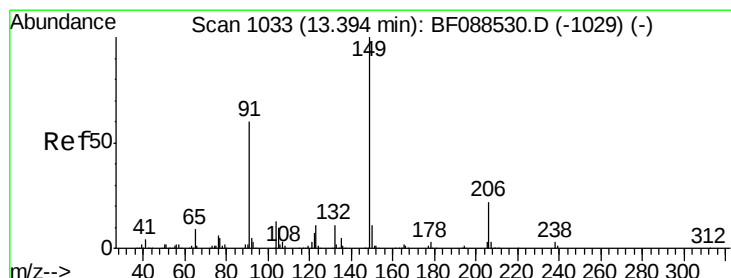
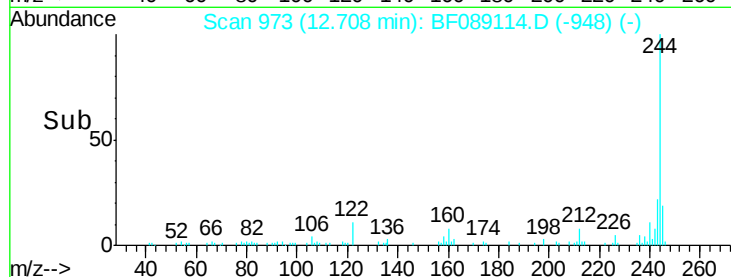
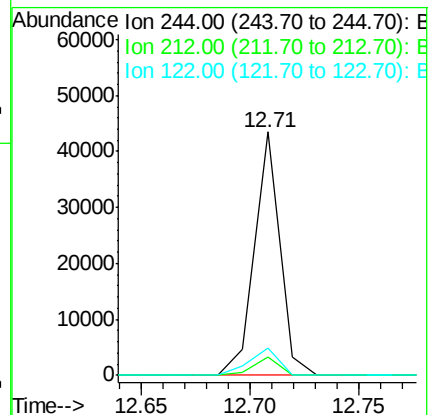
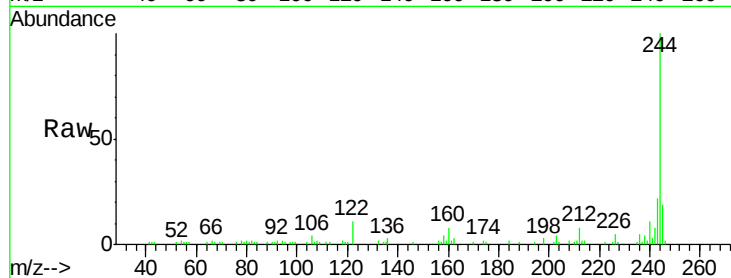
Tgt Ion:244 Resp: 35321

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

122 11.0 11.2 16.8#



#79

Butylbenzylphthalate

Concen: 22.76 ng

RT: 13.19 min Scan# 1015

Delta R.T. 0.00 min

Lab File: BF089114.D

Acq: 19 Jul 2016 13:14

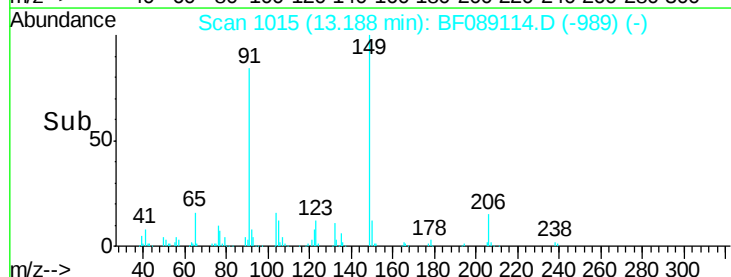
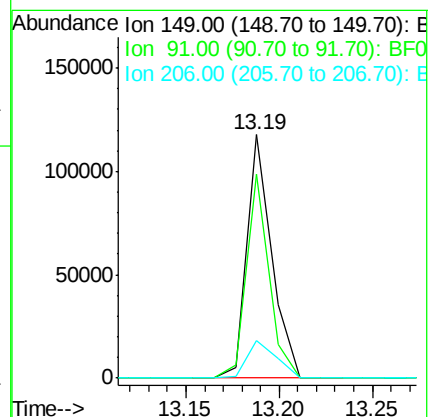
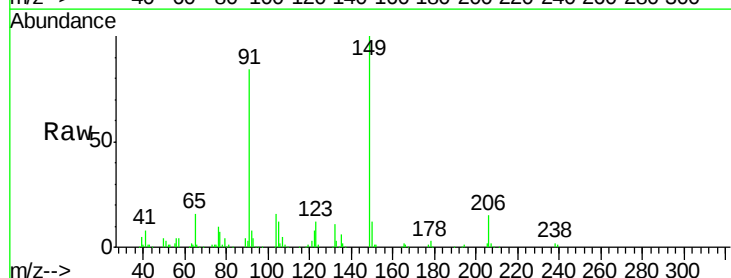
Tgt Ion:149 Resp: 108645

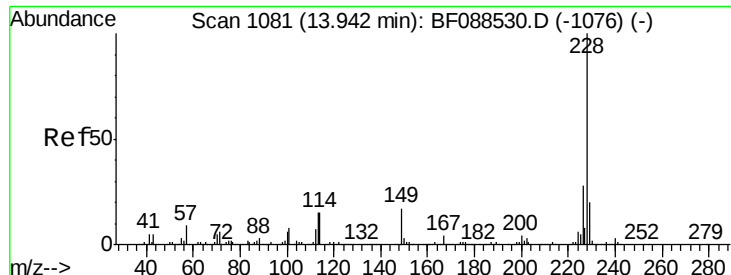
Ion Ratio Lower Upper

149 100

91 83.9 48.0 72.0#

206 15.2 16.0 24.0#





#80

Benzo(a)anthracene

Concen: 2.55 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.01 min

Lab File: BF089114.D

Acq: 19 Jul 2016 13:14

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS04(0-2in)DL

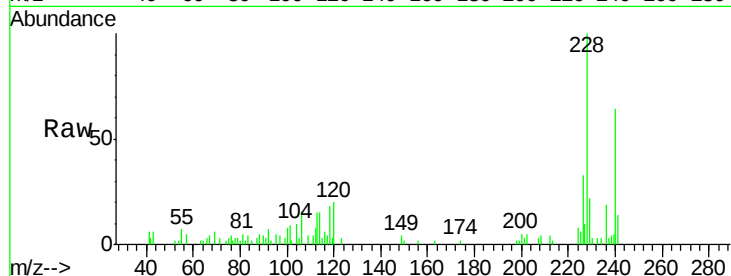
Tgt Ion:228 Resp: 20748

Ion Ratio Lower Upper

228 100

226 32.6 22.3 33.5

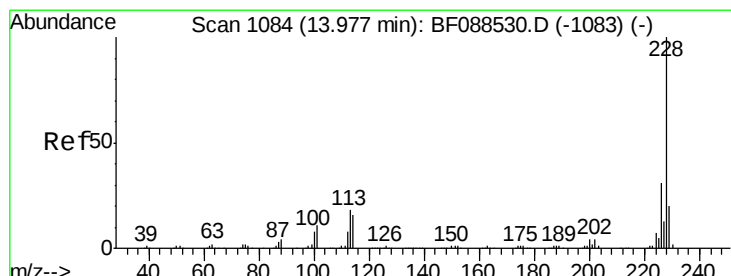
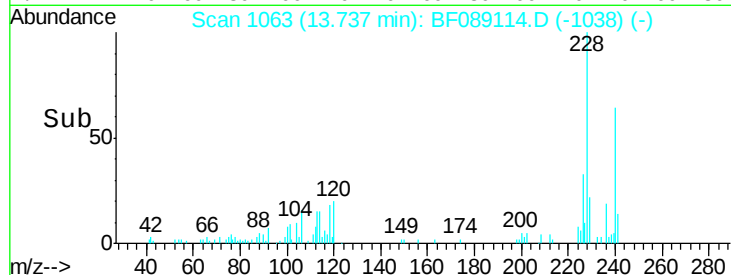
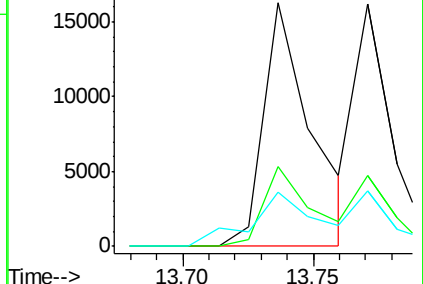
229 22.3 16.0 24.0



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



#82

Chrysene

Concen: 2.58 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.05 min

Lab File: BF089114.D

Acq: 19 Jul 2016 13:14

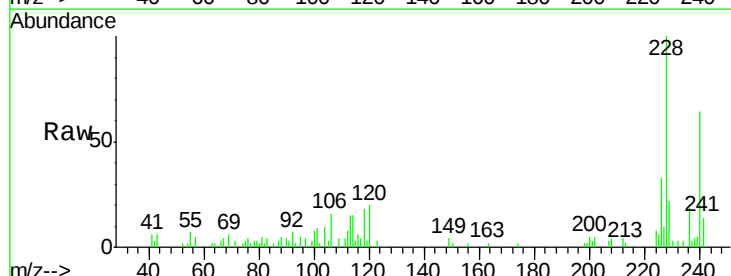
Tgt Ion:228 Resp: 20748

Ion Ratio Lower Upper

228 100

226 32.6 25.4 38.2

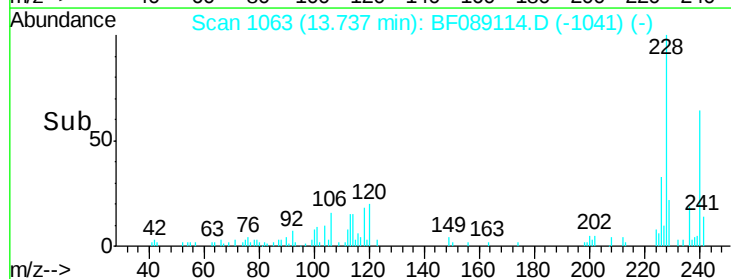
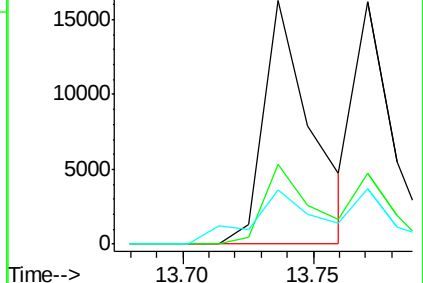
229 22.3 16.3 24.5

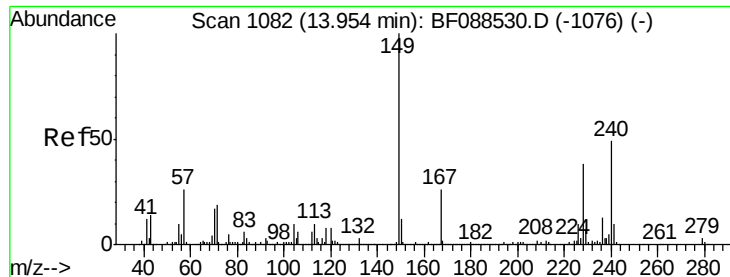


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 11.58 ng

RT: 13.76 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BF089114.D

Acq: 19 Jul 2016 13:14

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS04(0-2in)DL

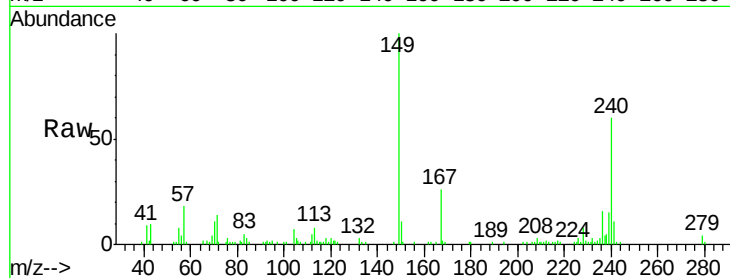
Tgt Ion:149 Resp: 63103

Ion Ratio Lower Upper

149 100

167 26.4 20.5 30.7

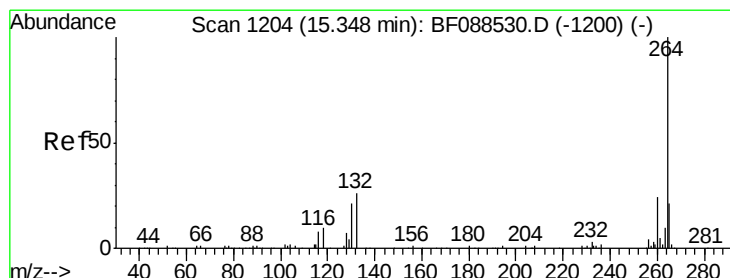
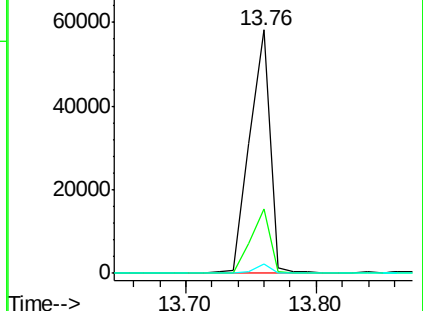
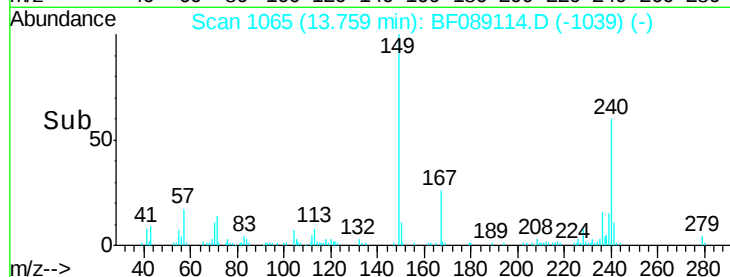
279 4.0 2.0 3.0#



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: 15.11 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BF089114.D

Acq: 19 Jul 2016 13:14

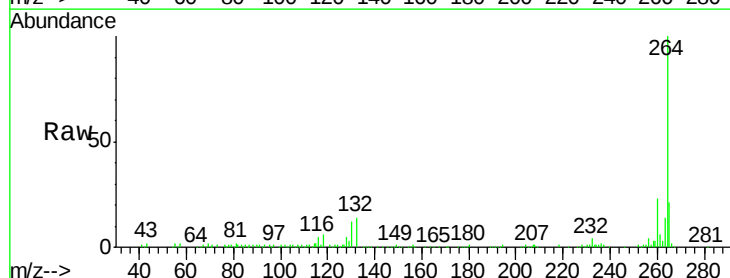
Tgt Ion:264 Resp: 124637

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

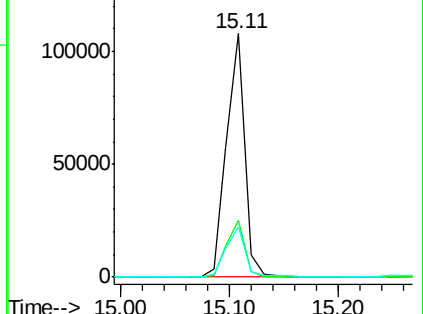
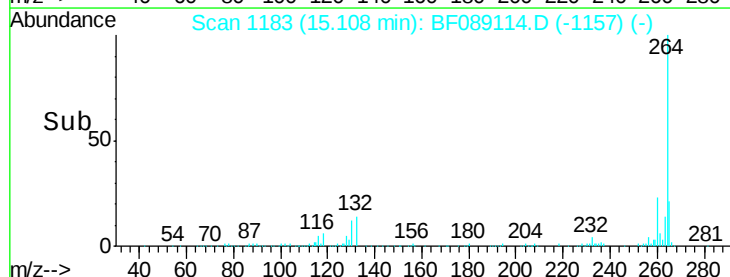
265 20.7 16.9 25.3

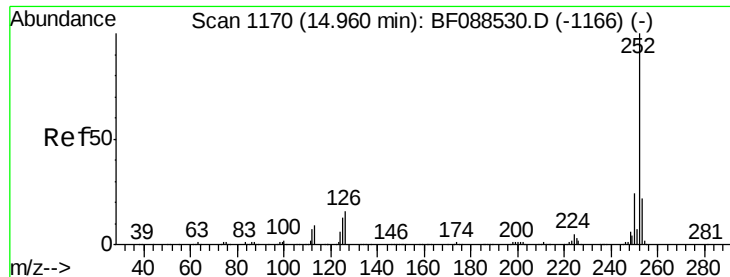


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

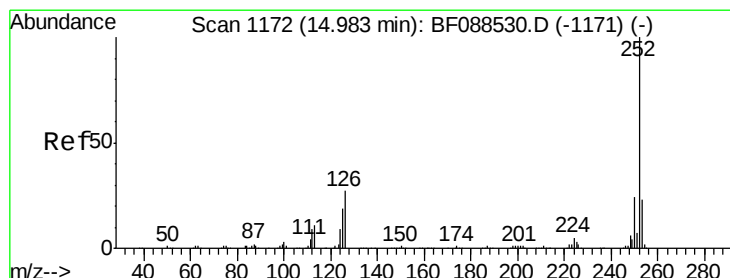
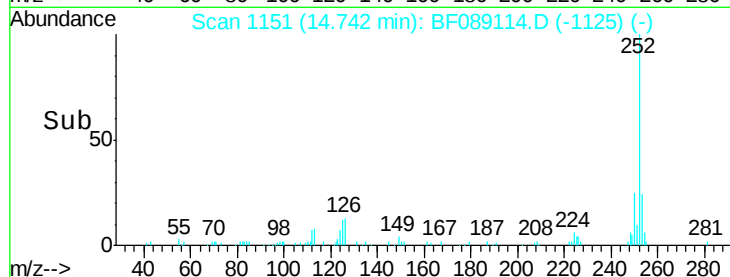
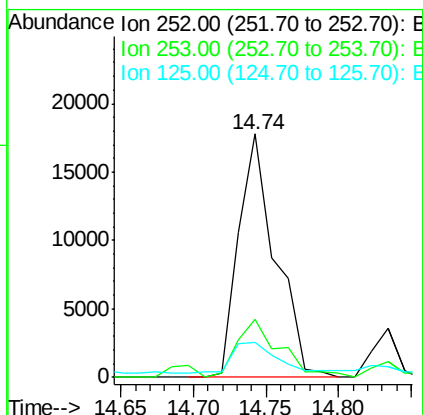
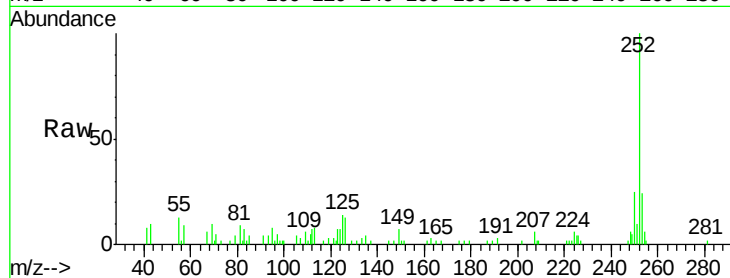




#87
Benzo(b)fluoranthene
Concen: 4.00 ng
RT: 14.74 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF089114.D
Acq: 19 Jul 2016 13:14

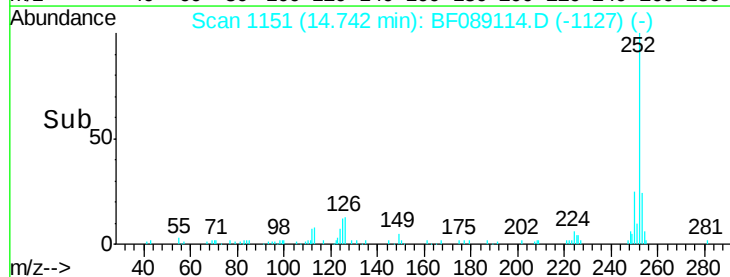
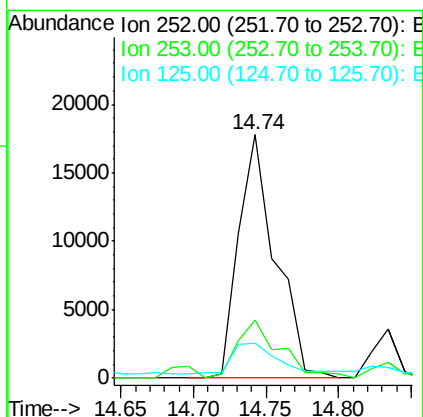
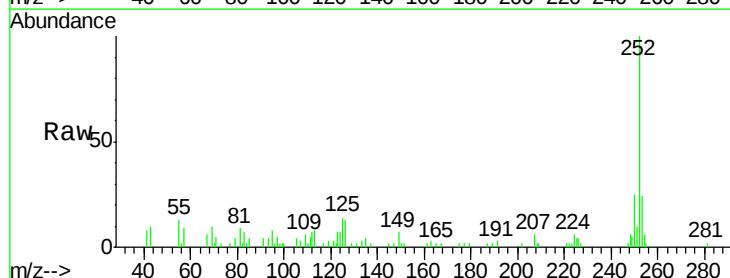
Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS04(0-2in)DL

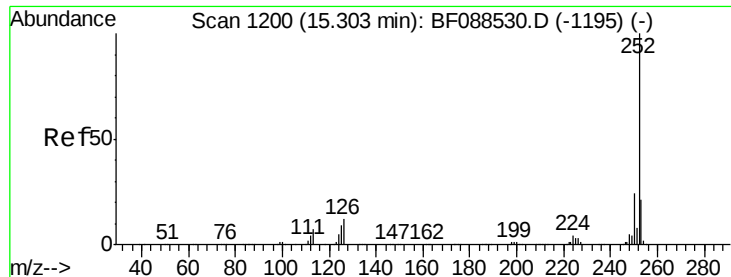
Tgt Ion:252 Resp: 31291
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.2
125 14.3 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 4.60 ng
RT: 14.74 min Scan# 1151
Delta R.T. -0.02 min
Lab File: BF089114.D
Acq: 19 Jul 2016 13:14

Tgt Ion:252 Resp: 31291
Ion Ratio Lower Upper
252 100
253 23.7 18.0 27.0
125 14.3 11.2 16.8





#89

Benzo(a)pyrene

Concen: 2.54 ng

RT: 15.05 min Scan# 1178

Delta R.T. 0.00 min

Lab File: BF089114.D

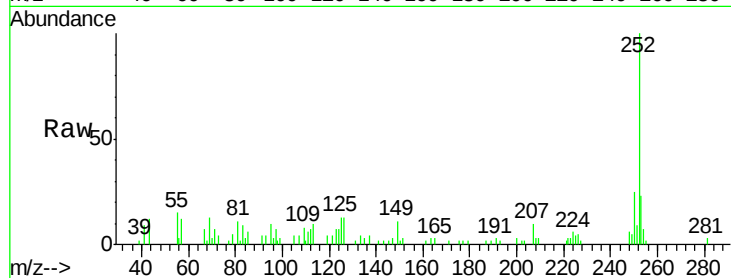
Acq: 19 Jul 2016 13:14

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS04(0-2in)DL



Tgt Ion:	252	Resp:	16797
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	12.9	12.5	18.7

