

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071318\
 Data File : BF107374.D
 Acq On : 13 Jul 2018 18:22
 Operator : JU/SJ
 Sample : J3542-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LL-SOIL-2

Quant Time: Jul 13 23:08:09 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 13 11:54:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	42885	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	146627	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	70250	20.00	ng	0.00
63) Phenanthrene-d10	11.48	188	151923	20.00	ng	0.00
75) Chrysene-d12	14.14	240	145318	20.00	ng	0.00
86) Perylene-d12	15.67	264	103139	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	279959	110.54	ng	0.00
7) Phenol-d6	6.58	99	320027	101.19	ng	0.00
23) Nitrobenzene-d5	7.50	82	182252	69.08	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	97215	119.40	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	350336	84.29	ng	0.00
78) Terphenyl-d14	13.06	244	482413	80.41	ng	0.00

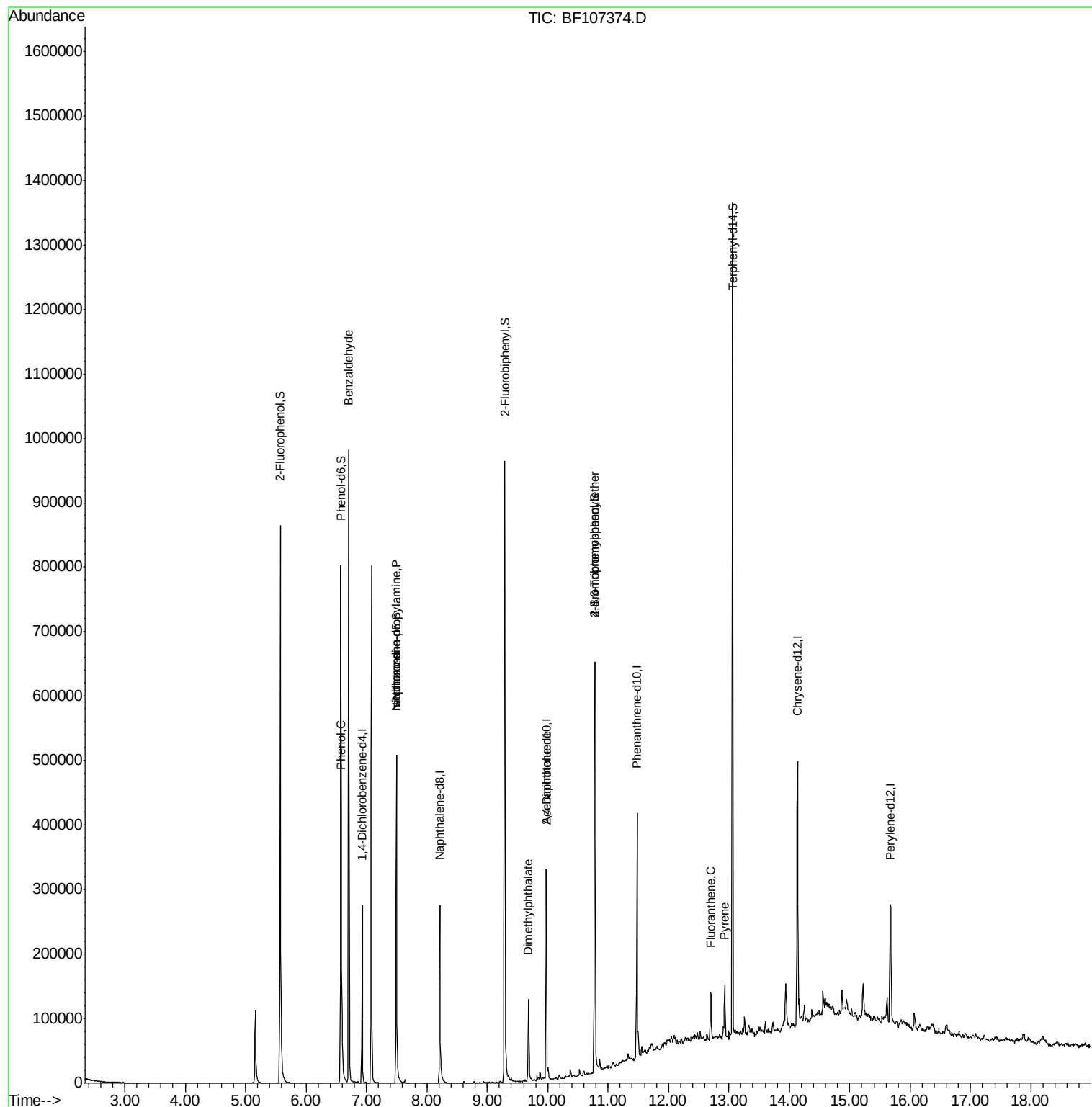
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.71	77	5511	2.078	ng	90
10) Phenol	6.59	94	8328	2.307	ng	# 70
19) n-Nitroso-di-n-propylamine	7.50	70	23312	11.182	ng	# 74
25) Isophorone	7.50	82	182250	39.199	ng	# 64
49) Dimethylphthalate	9.68	163	60018	11.391	ng	99
56) 2,4-Dinitrotoluene	9.98	165	9058	6.220	ng	# 21
66) 4-Bromophenyl-phenylether	10.78	248	5927	3.269	ng	# 1
74) Fluoranthene	12.70	202	32814	4.063	ng	95
77) Pyrene	12.93	202	30279	3.160	ng	99

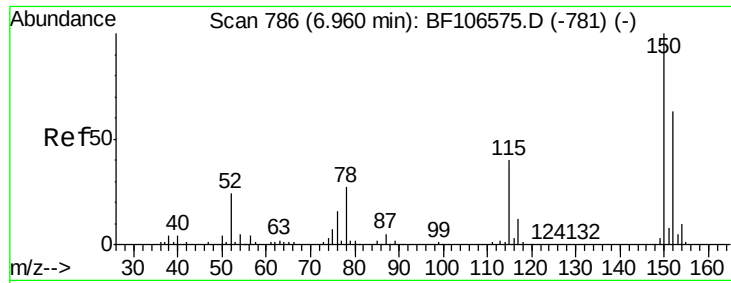
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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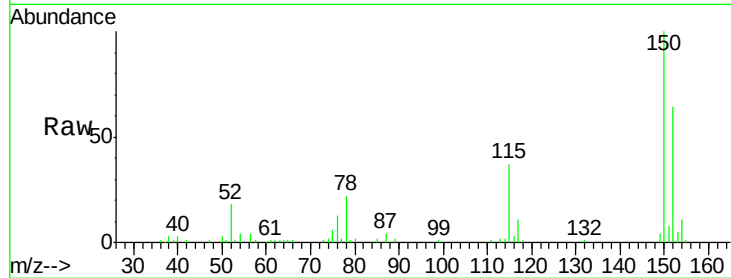


#1

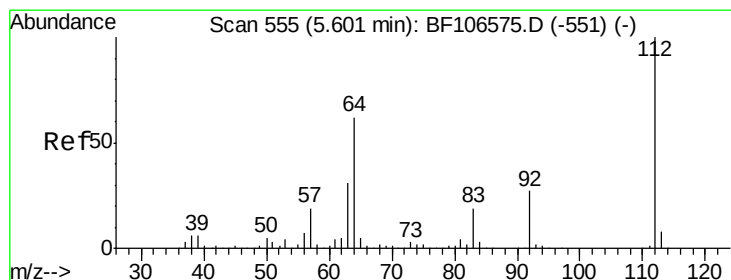
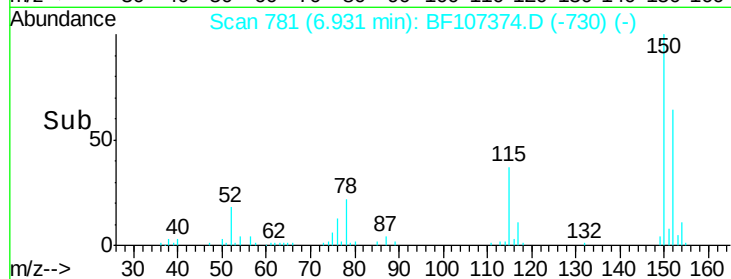
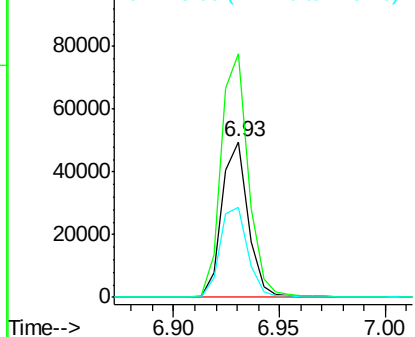
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. 0.00 min
Lab File: BF107374.D
Acq: 13 Jul 2018 18:22

Instrument :
BNA_F
ClientSampleId :
LL-SOIL-2

Tgt Ion:152 Resp: 42885
Ion Ratio Lower Upper
152 100
150 156.5 124.6 186.8
115 57.6 50.1 75.1



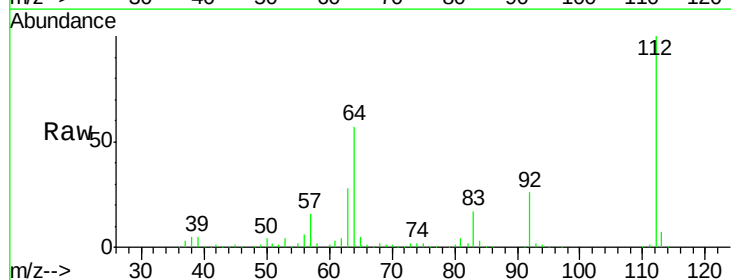
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



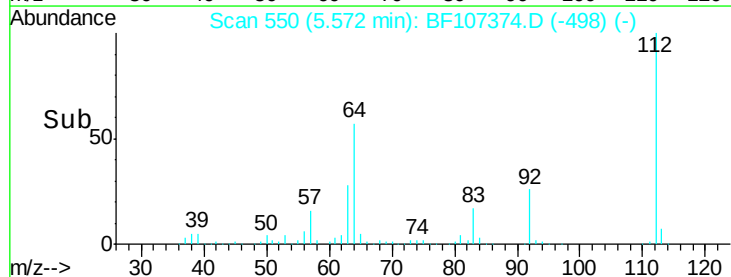
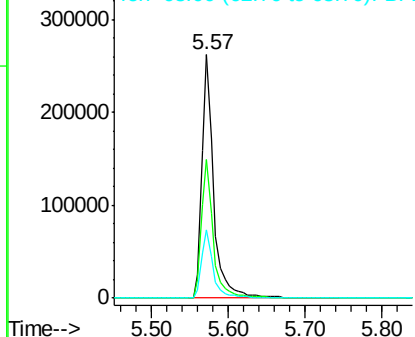
#5

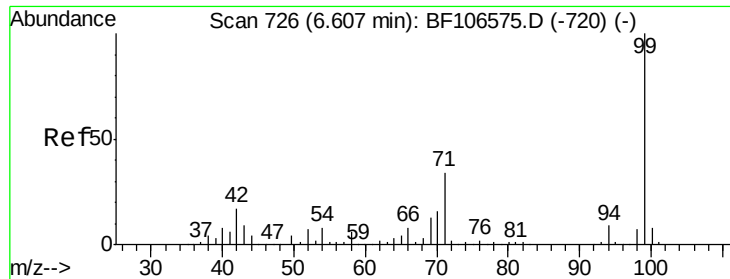
2-Fluorophenol
Concen: 110.542 ng
RT: 5.57 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF107374.D
Acq: 13 Jul 2018 18:22

Tgt Ion:112 Resp: 279959
Ion Ratio Lower Upper
112 100
64 56.9 47.9 71.9
63 28.3 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 101.187 ng

RT: 6.58 min Scan# 721

Delta R.T. 0.00 min

Lab File: BF107374.D

Acq: 13 Jul 2018 18:22

Instrument :

BNA_F

ClientSampleId :

LL-SOIL-2

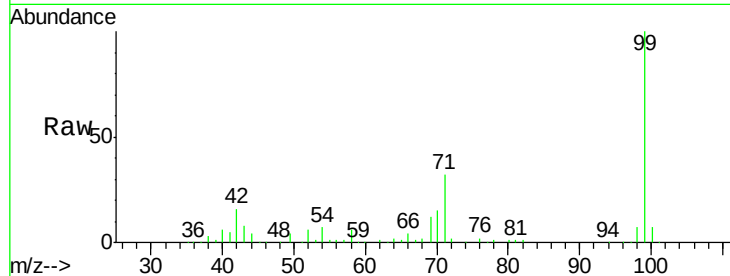
Tgt Ion: 99 Resp: 320027

Ion Ratio Lower Upper

99 100

42 15.7 14.5 21.7

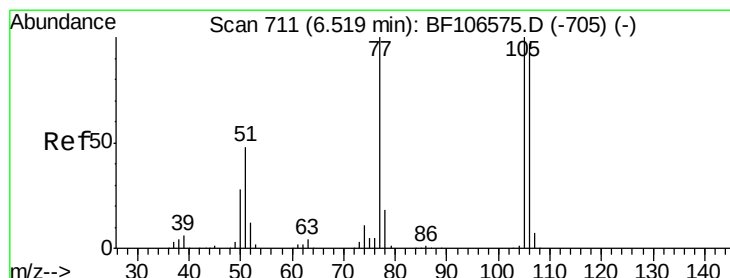
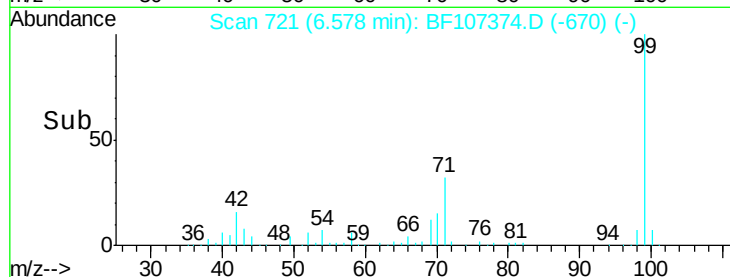
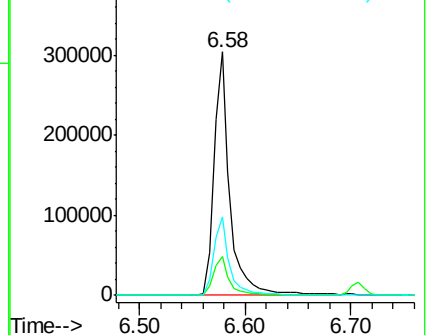
71 32.2 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.078 ng

RT: 6.71 min Scan# 743

Delta R.T. 0.22 min

Lab File: BF107374.D

Acq: 13 Jul 2018 18:22

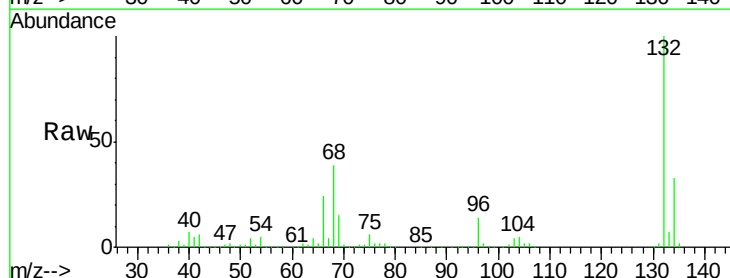
Tgt Ion: 77 Resp: 5511

Ion Ratio Lower Upper

77 100

105 87.7 81.1 121.1

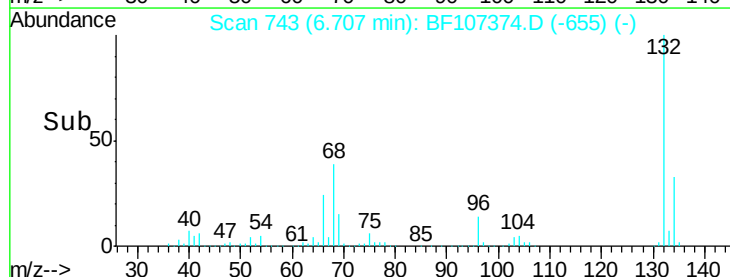
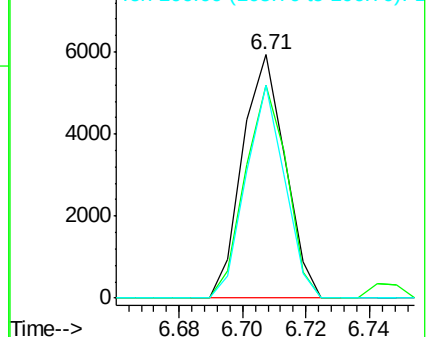
106 87.7 74.5 114.5

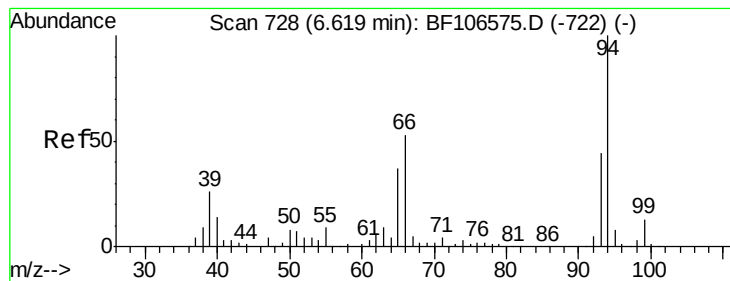


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.307 ng

RT: 6.59 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF107374.D

Acq: 13 Jul 2018 18:22

Instrument :

BNA_F

ClientSampleId :

LL-SOIL-2

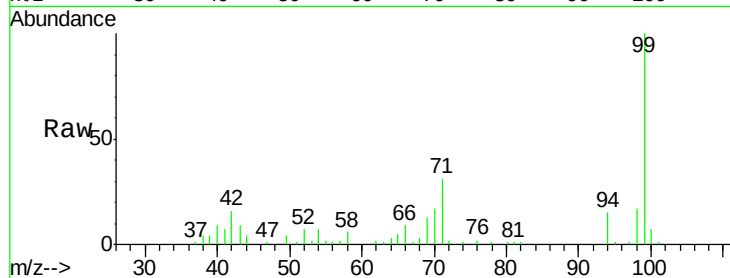
Tgt Ion: 94 Resp: 8328

Ion Ratio Lower Upper

94 100

65 32.8 7.9 47.9

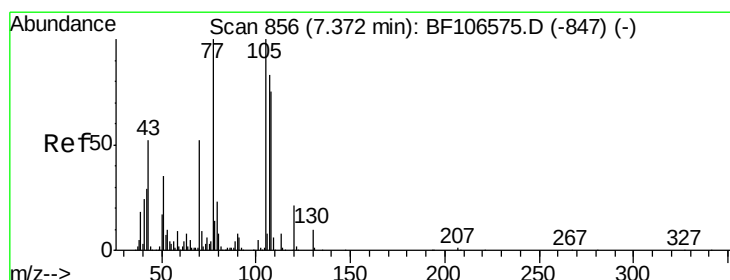
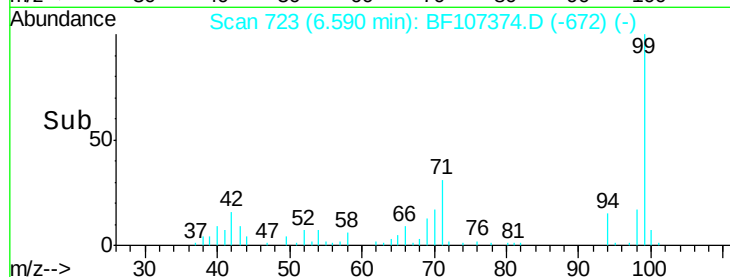
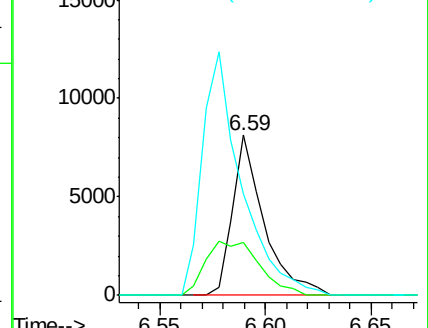
66 63.2 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 11.182 ng

RT: 7.50 min Scan# 877

Delta R.T. 0.15 min

Lab File: BF107374.D

Acq: 13 Jul 2018 18:22

Tgt Ion: 70 Resp: 23312

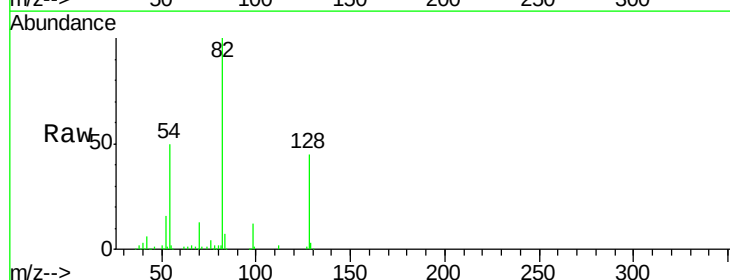
Ion Ratio Lower Upper

70 100

42 43.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

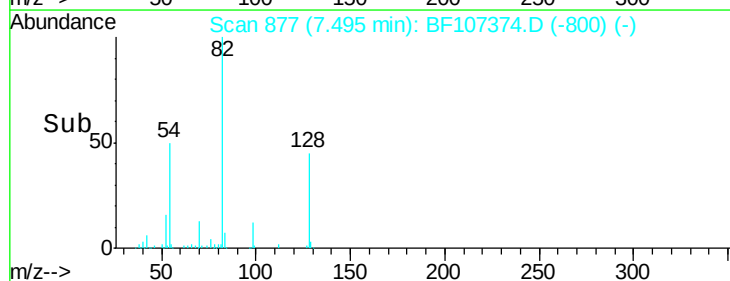
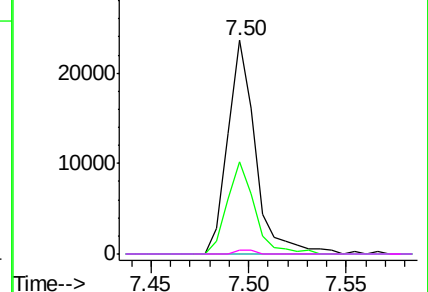


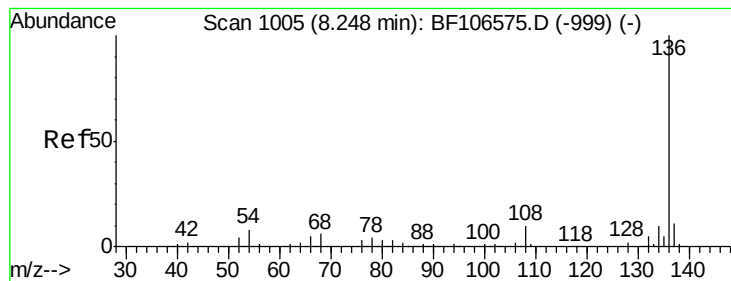
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.21 min Scan# 999

Delta R.T. 0.00 min

Lab File: BF107374.D

Acq: 13 Jul 2018 18:22

Instrument :

BNA_F

ClientSampleId :

LL-SOIL-2

Tgt Ion:136 Resp: 146627

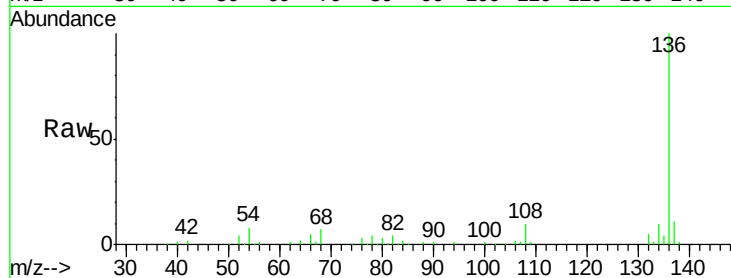
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.8 6.6 9.8

68 6.6 5.0 7.4

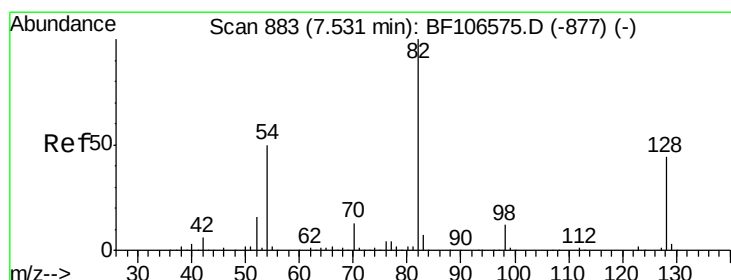
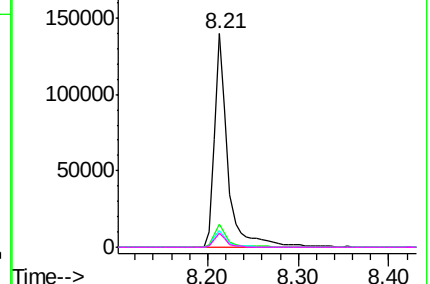
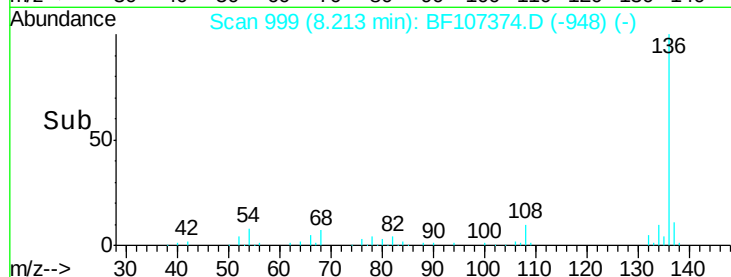


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 69.076 ng

RT: 7.50 min Scan# 877

Delta R.T. -0.01 min

Lab File: BF107374.D

Acq: 13 Jul 2018 18:22

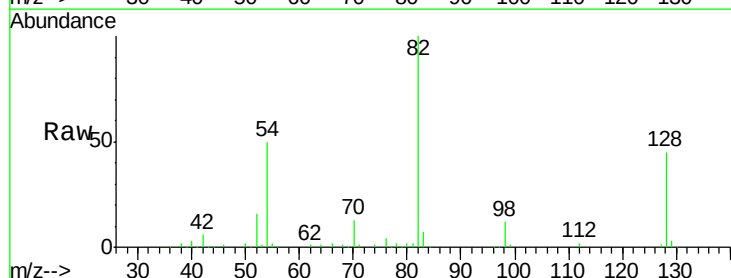
Tgt Ion: 82 Resp: 182252

Ion Ratio Lower Upper

82 100

128 45.3 36.1 54.1

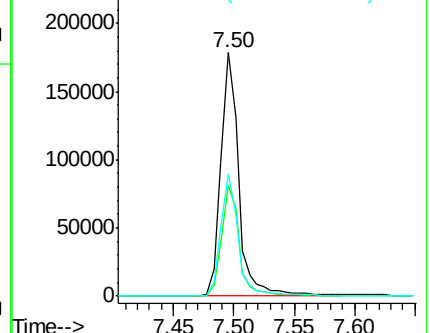
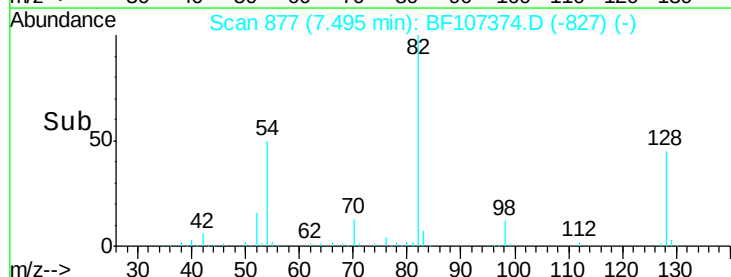
54 50.3 41.4 62.2

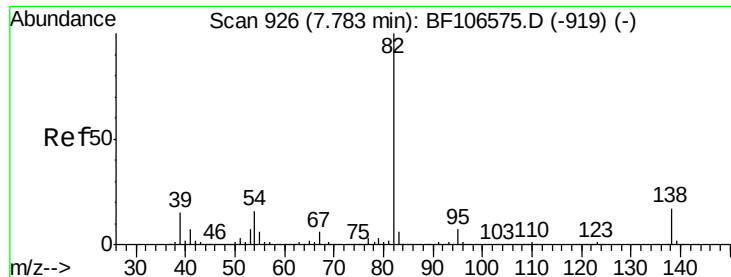


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 39.199 ng

RT: 7.50 min Scan# 877

Delta R.T. -0.26 min

Lab File: BF107374.D

Acq: 13 Jul 2018 18:22

Instrument :

BNA_F

ClientSampled :

LL-SOIL-2

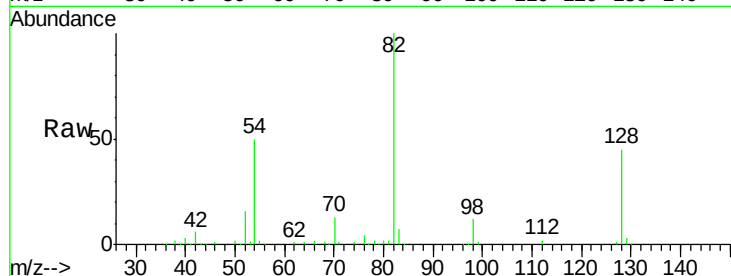
Tgt Ion: 82 Resp: 182250

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

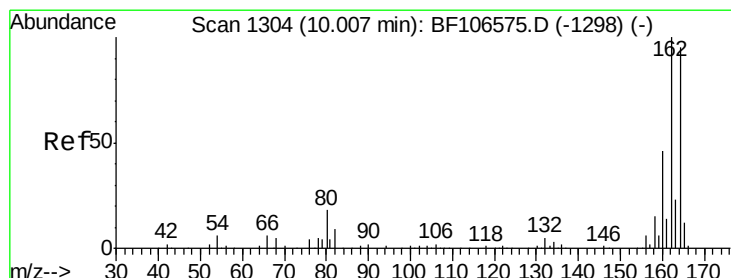
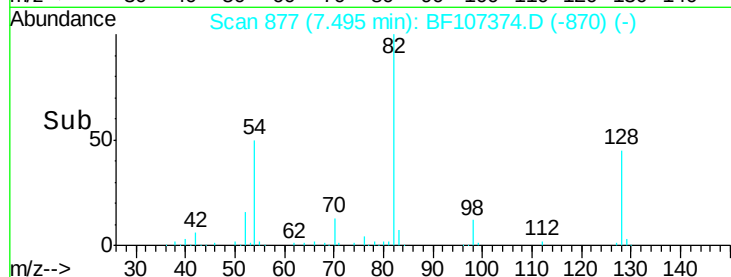
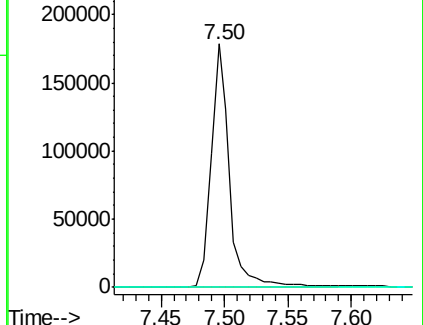
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.98 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BF107374.D

Acq: 13 Jul 2018 18:22

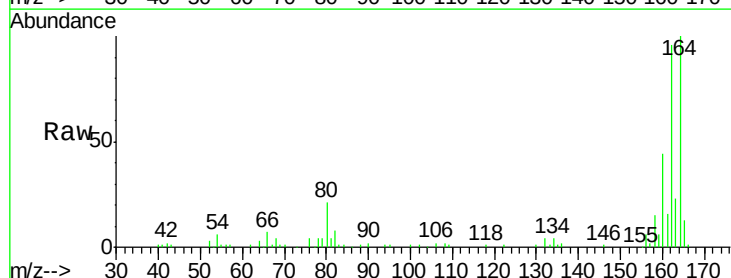
Tgt Ion: 164 Resp: 70250

Ion Ratio Lower Upper

164 100

162 95.6 86.1 129.1

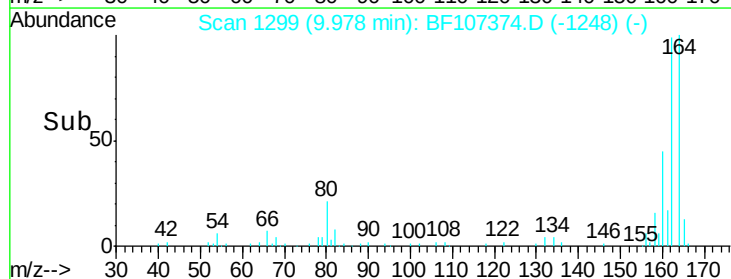
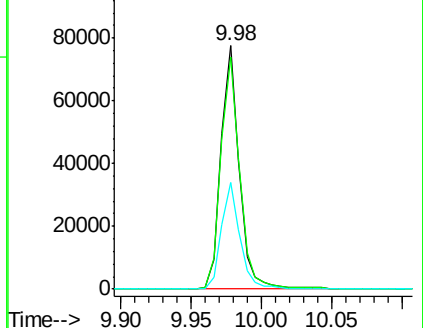
160 43.7 38.3 57.5

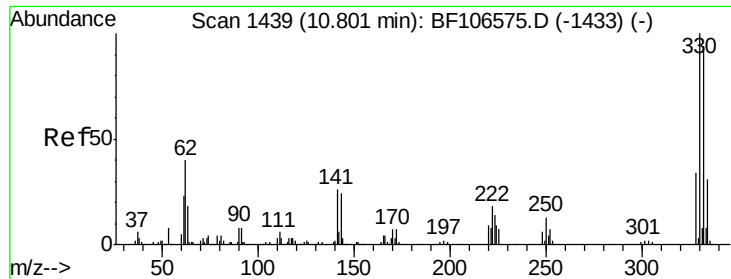


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

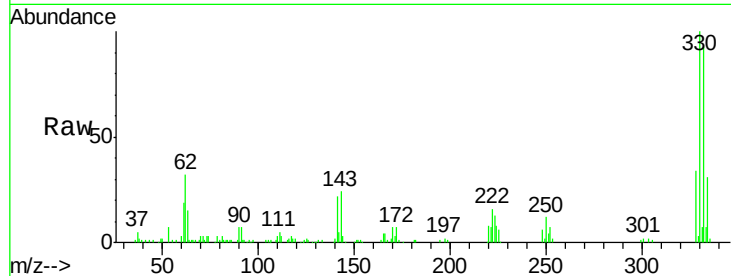




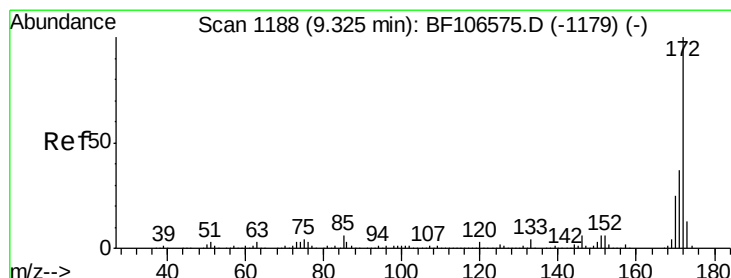
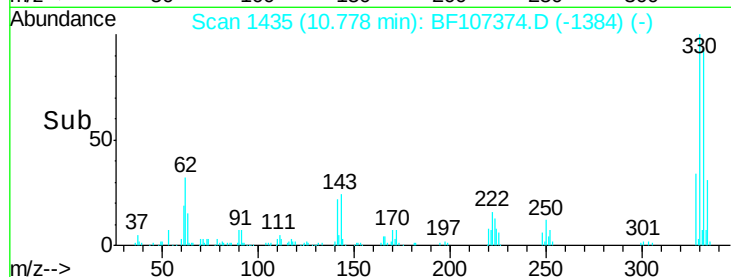
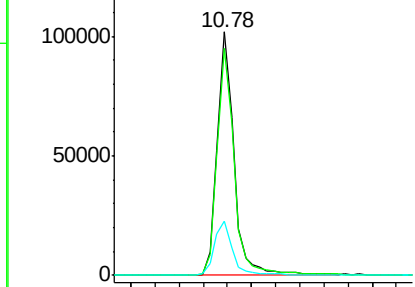
#41
 2,4,6-Tribromophenol
 Concen: 119.397 ng
 RT: 10.78 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: BF107374.D
 Acq: 13 Jul 2018 18:22

Instrument :
 BNA_F
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 LL-SOIL-2

Tgt Ion:330 Resp: 97215
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 24.2 29.9 44.9#

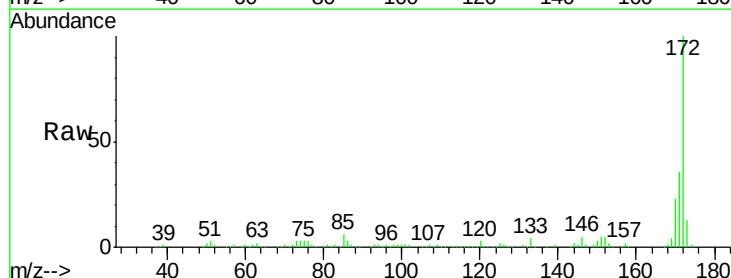


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

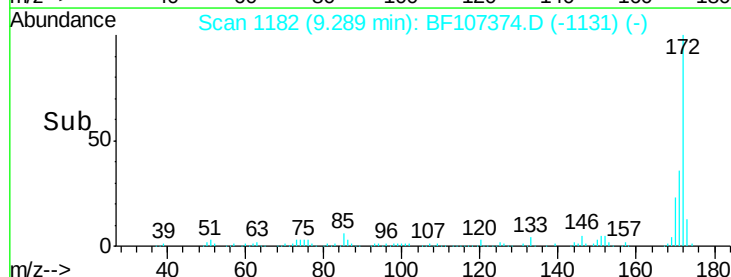
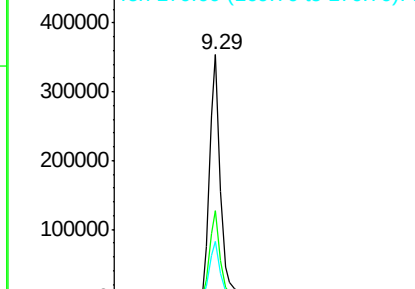


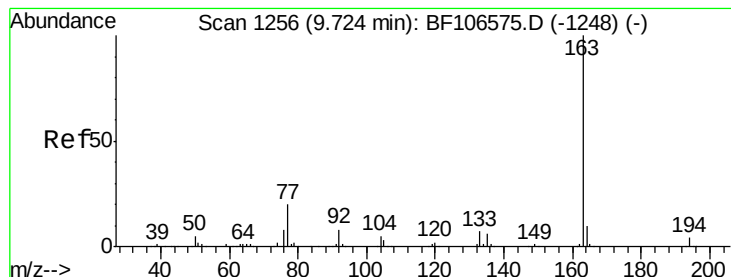
#44
 2-Fluorobiphenyl
 Concen: 84.287 ng
 RT: 9.29 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: BF107374.D
 Acq: 13 Jul 2018 18:22

Tgt Ion:172 Resp: 350336
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 23.3 19.6 29.4



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: 11.391 ng

RT: 9.68 min Scan# 1249

Delta R.T. -0.01 min

Lab File: BF107374.D

Acq: 13 Jul 2018 18:22

Instrument :

BNA_F

ClientSampleId :

LL-SOIL-2

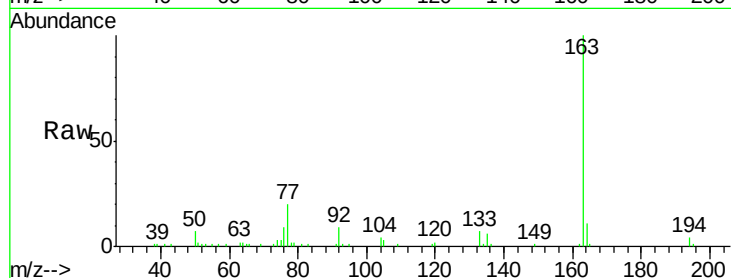
Tgt Ion:163 Resp: 60018

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

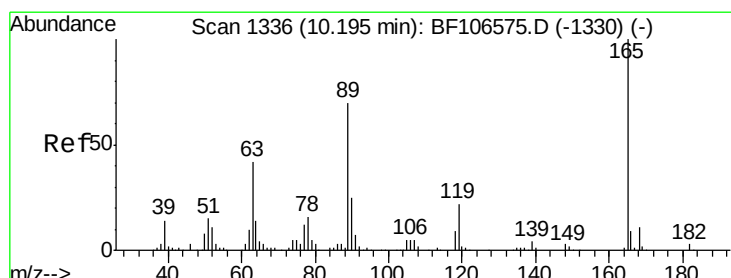
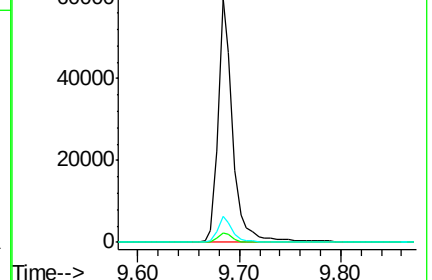
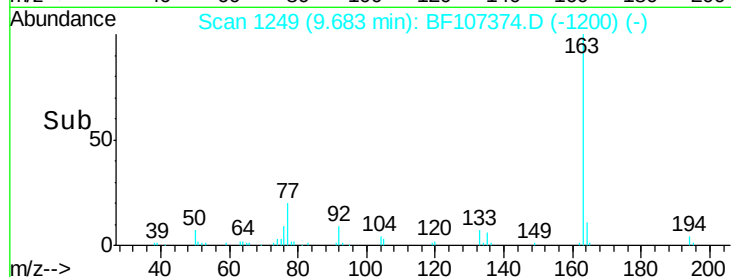
164 10.8 8.2 12.2



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: 6.220 ng

RT: 9.98 min Scan# 1299

Delta R.T. -0.21 min

Lab File: BF107374.D

Acq: 13 Jul 2018 18:22

Tgt Ion:165 Resp: 9058

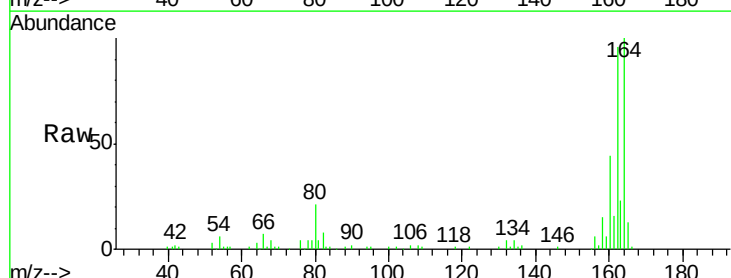
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

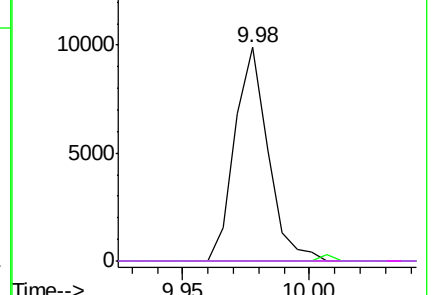
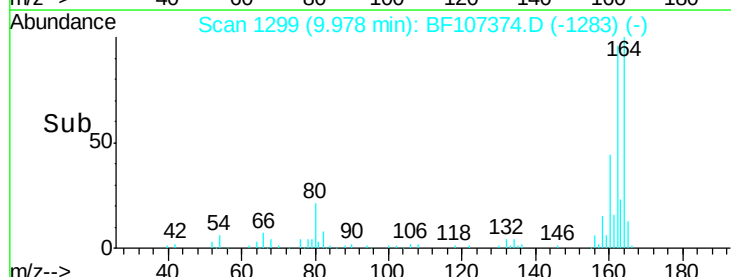


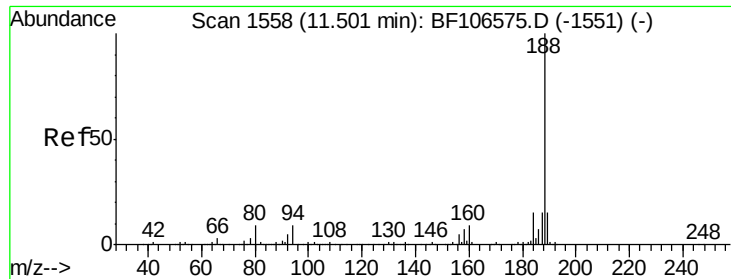
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

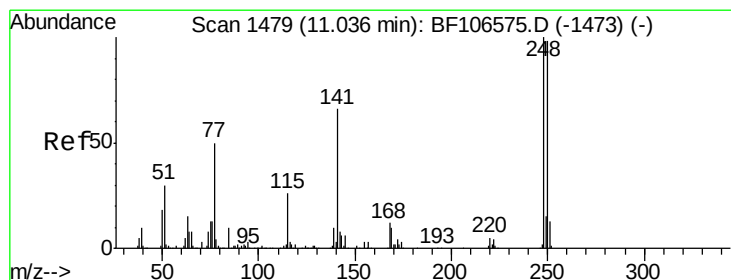
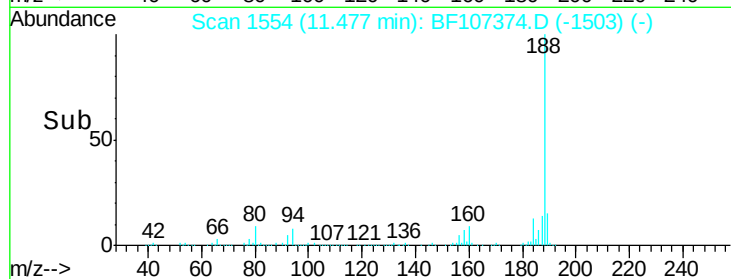
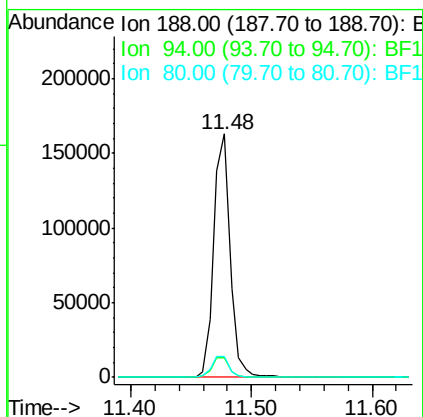
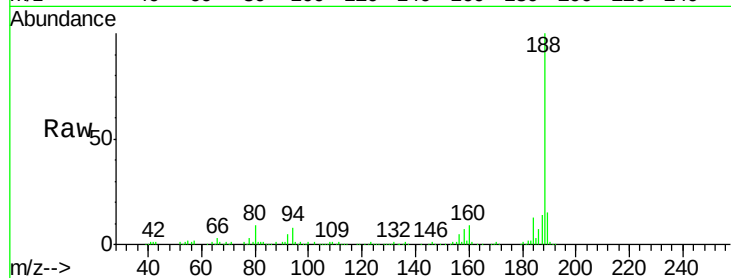




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1554
Delta R.T. 0.00 min
Lab File: BF107374.D
Acq: 13 Jul 2018 18:22

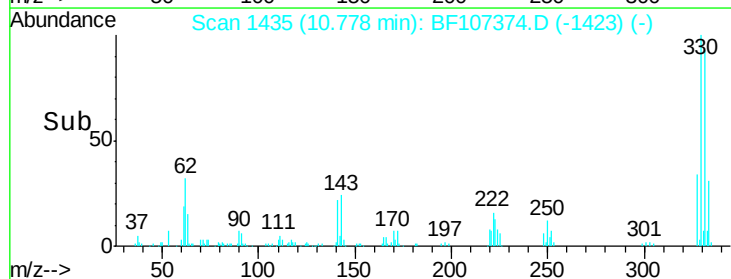
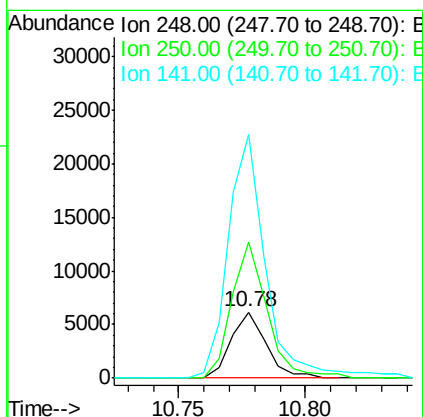
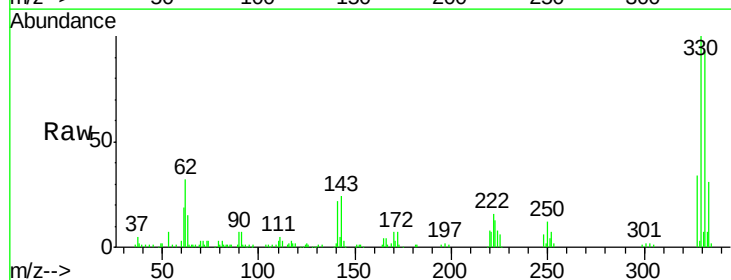
Instrument :
BNA_F
ClientSampleId :
LL-SOIL-2

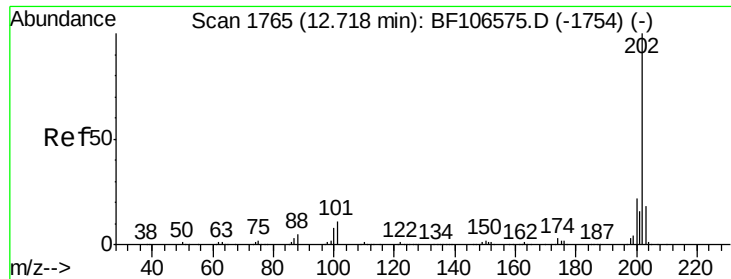
Tgt Ion:188 Resp: 151923
Ion Ratio Lower Upper
188 100
94 8.0 8.5 12.7#
80 8.6 9.2 13.8#



#66
4-Bromophenyl-phenylether
Concen: 3.269 ng
RT: 10.78 min Scan# 1435
Delta R.T. -0.23 min
Lab File: BF107374.D
Acq: 13 Jul 2018 18:22

Tgt Ion:248 Resp: 5927
Ion Ratio Lower Upper
248 100
250 205.6 76.9 115.3#
141 367.5 74.4 111.6#





#74

Fluoranthene

Concen: 4.063 ng

RT: 12.70 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF107374.D

Acq: 13 Jul 2018 18:22

Instrument :

BNA_F

ClientSampleId :

LL-SOIL-2

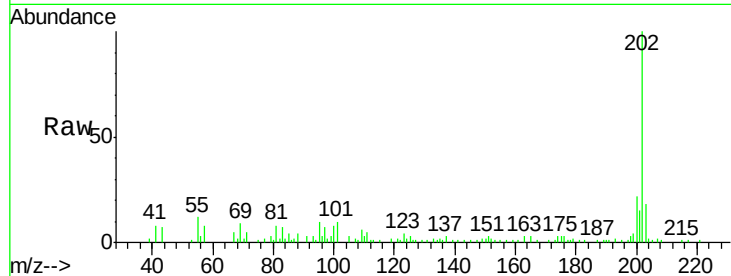
Tgt Ion:202 Resp: 32814

Ion Ratio Lower Upper

202 100

101 9.9 0.0 34.1

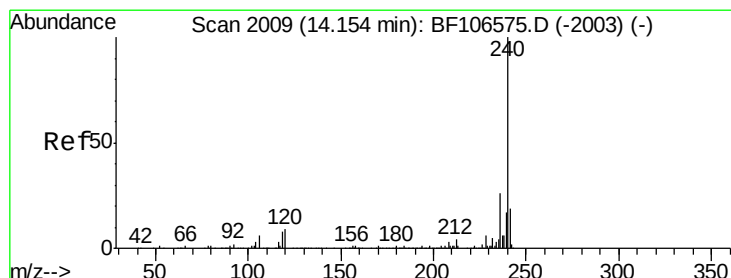
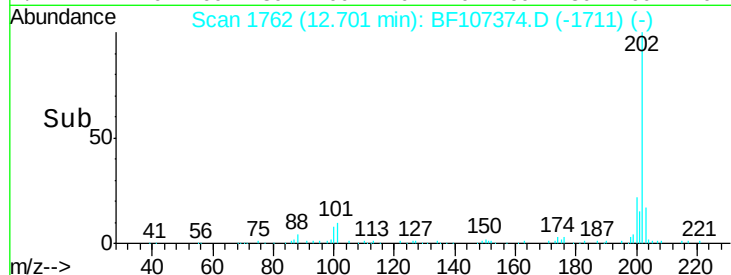
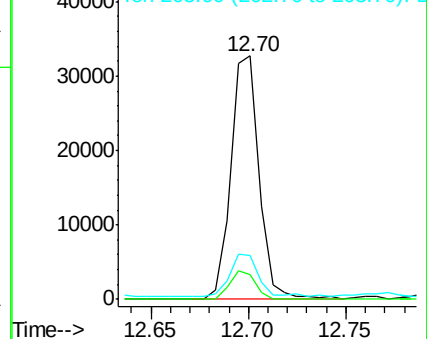
203 18.3 0.0 38.1



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: 20.000 ng

RT: 14.14 min Scan# 2006

Delta R.T. 0.00 min

Lab File: BF107374.D

Acq: 13 Jul 2018 18:22

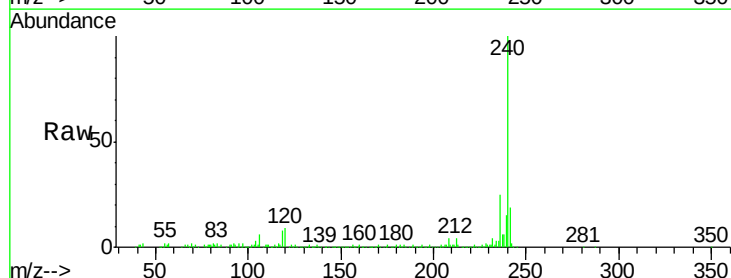
Tgt Ion:240 Resp: 145318

Ion Ratio Lower Upper

240 100

120 8.8 9.5 14.3#

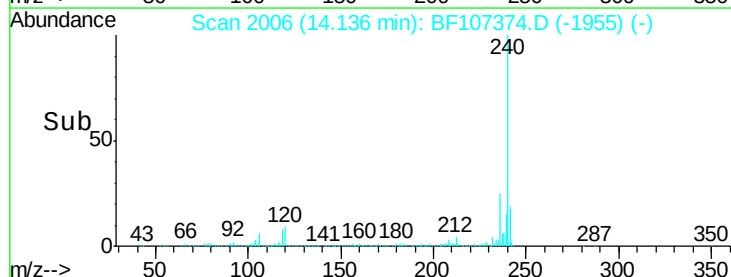
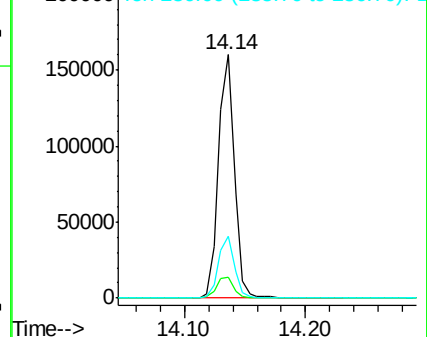
236 25.3 20.7 31.1

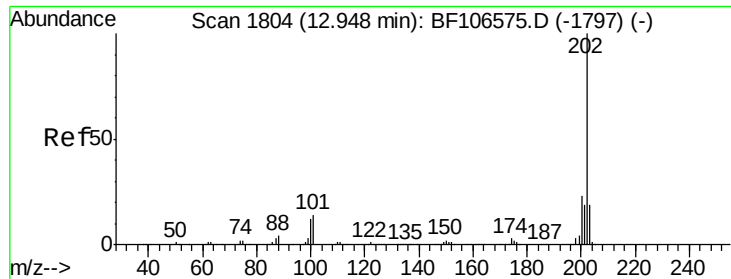


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.160 ng

RT: 12.93 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF107374.D

Acq: 13 Jul 2018 18:22

Instrument :

BNA_F

ClientSampleId :

LL-SOIL-2

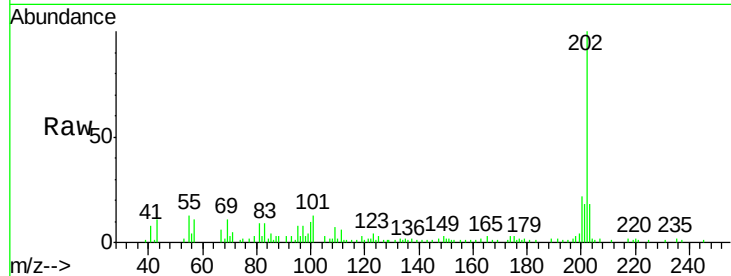
Tgt Ion:202 Resp: 30279

Ion Ratio Lower Upper

202 100

200 22.1 17.4 26.2

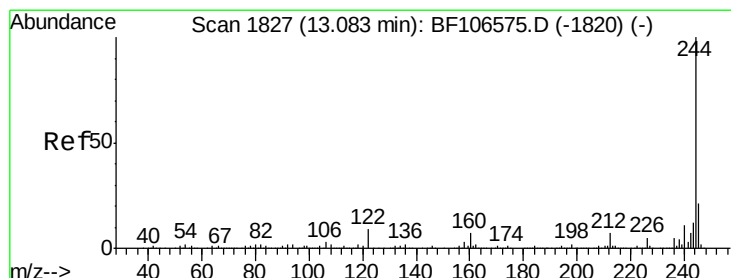
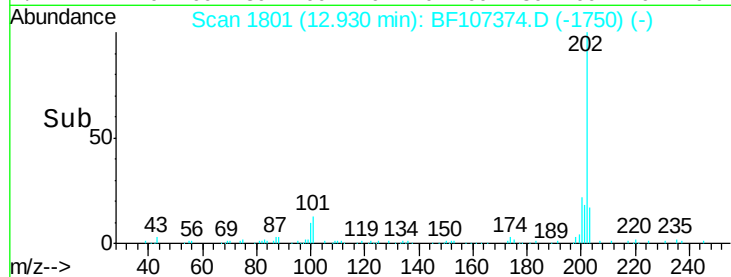
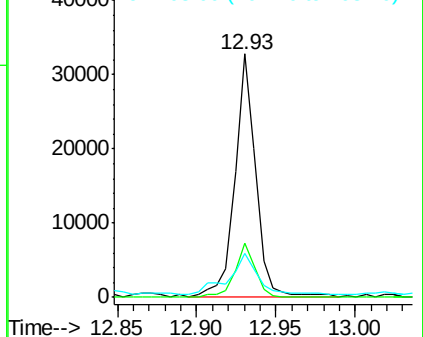
203 18.1 14.3 21.5



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: 80.413 ng

RT: 13.06 min Scan# 1823

Delta R.T. 0.00 min

Lab File: BF107374.D

Acq: 13 Jul 2018 18:22

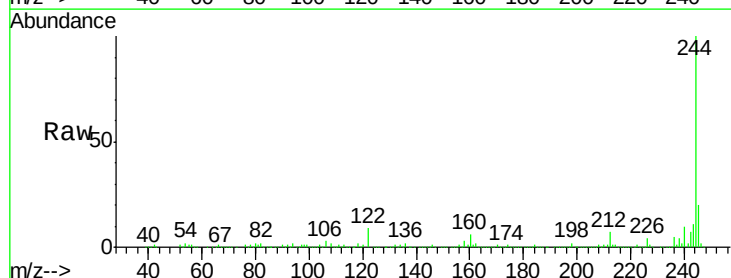
Tgt Ion:244 Resp: 482413

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

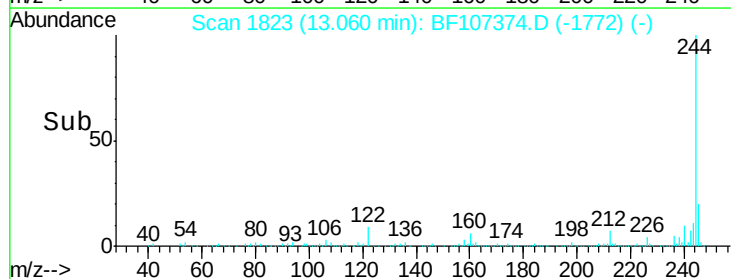
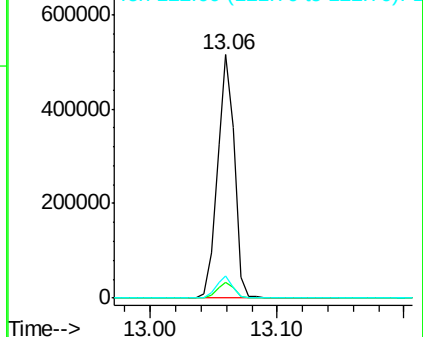
122 9.3 11.0 16.4#

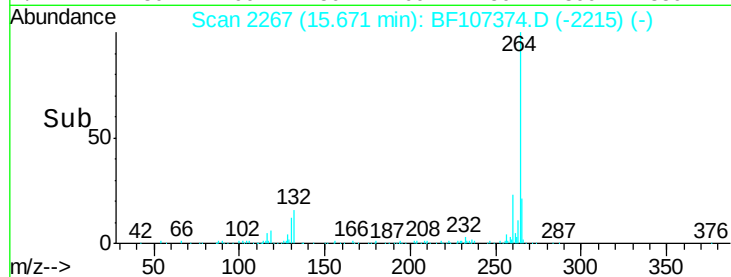
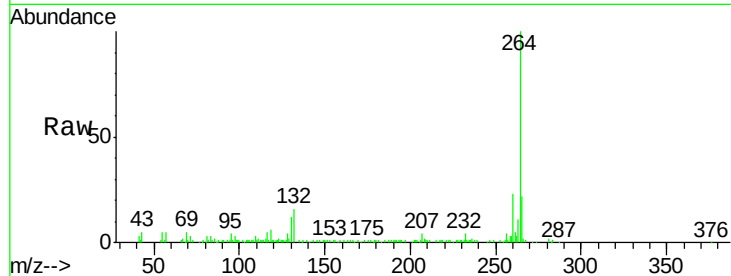
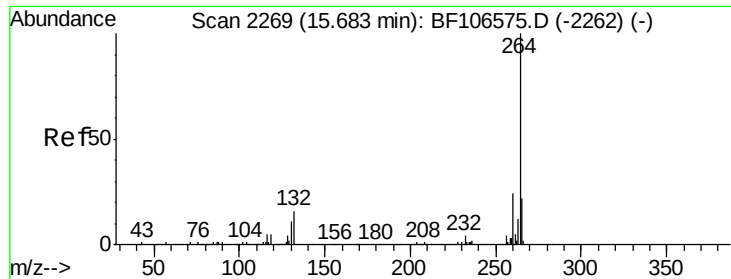


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2267
Delta R.T. 0.01 min
Lab File: BF107374.D
Acq: 13 Jul 2018 18:22

Instrument :
BNA_F
ClientSampleId :
LL-SOIL-2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.9	17.5	26.3

