

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
 Data File : BF107064.D
 Acq On : 3 Jul 2018 1:36
 Operator : JU/SJ
 Sample : J3799-08
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 03 03:38:10 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	61959	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	216381	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	95591	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	167245	20.00	ng	0.00
75) Chrysene-d12	14.15	240	145061	20.00	ng	-0.02
86) Perylene-d12	15.69	264	100430	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	257065	70.25	ng	0.00
7) Phenol-d6	6.60	99	203707	44.58	ng	-0.01
23) Nitrobenzene-d5	7.52	82	352126	90.44	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	161850	146.08	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	628947	116.90	ng	-0.01
78) Terphenyl-d14	13.08	244	702561	117.32	ng	0.00

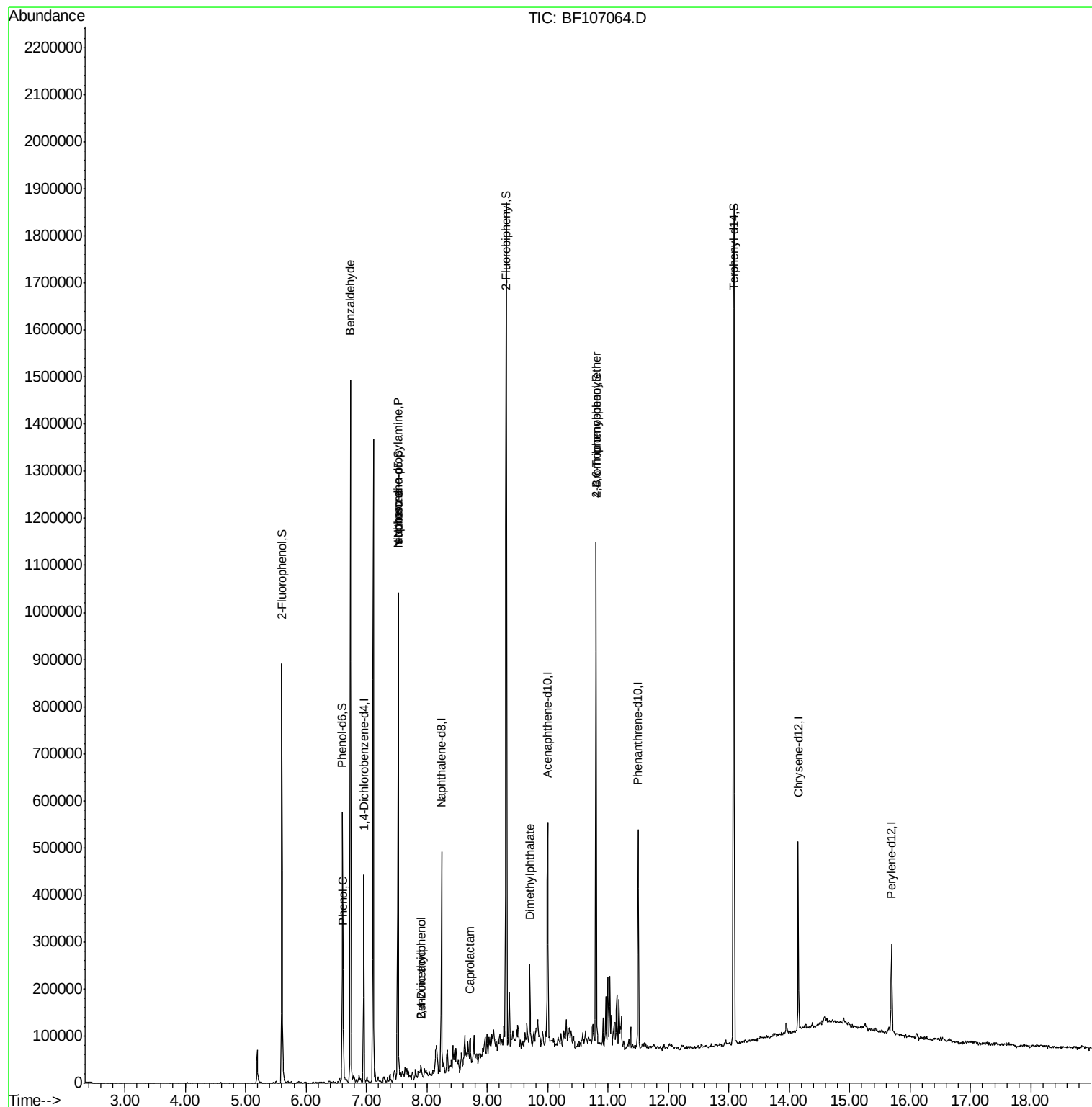
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.74	77	9059	2.355	ng	87
10) Phenol	6.62	94	12162	2.332	ng	88
19) n-Nitroso-di-n-propylamine	7.52	70	46435	15.417	ng	# 74
20) 3+4-Methylphenols	7.60	107	114	Below Cal		# 1
25) Isophorone	7.52	82	350176	51.038	ng	# 64
27) 2,4-Dimethylphenol	7.90	122	5888	2.030	ng	88
32) Benzoic acid	7.90	122	5888	8.189	ng	# 16
35) Caprolactam	8.72	113	2141	2.163	ng	# 38
49) Dimethylphthalate	9.71	163	63276	8.826	ng	98
66) 4-Bromophenyl-phenylether	10.80	248	9811	4.915	ng	# 1

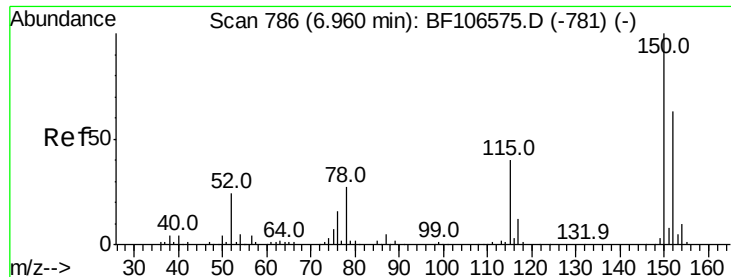
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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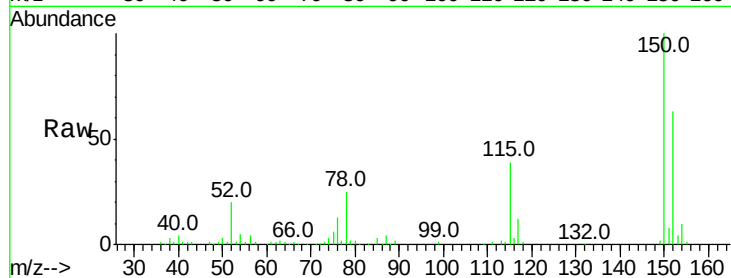


#1

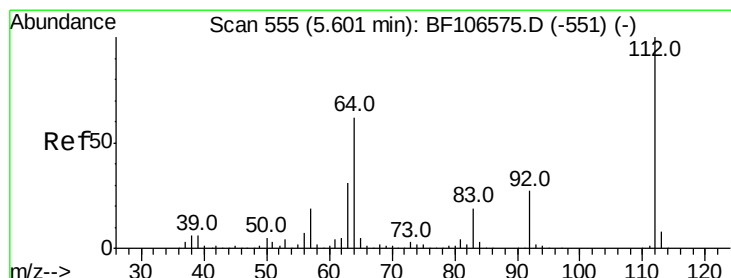
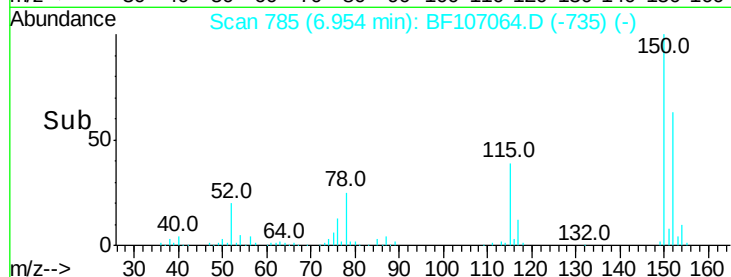
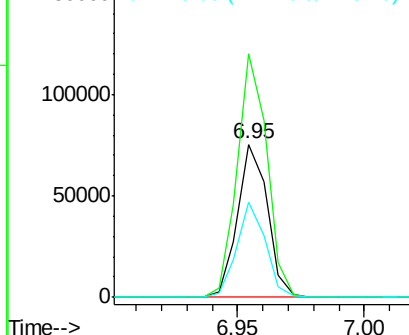
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107064.D
Acq: 3 Jul 2018 1:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 61959
Ion Ratio Lower Upper
152 100
150 159.2 124.6 186.8
115 62.1 50.1 75.1



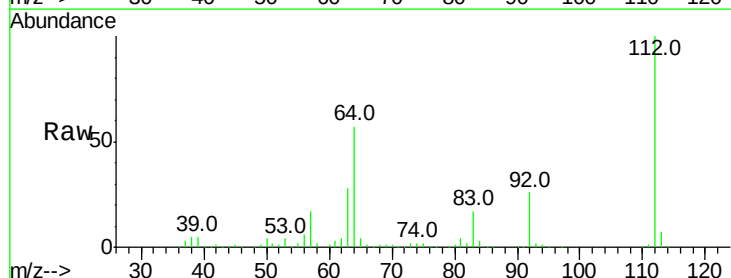
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



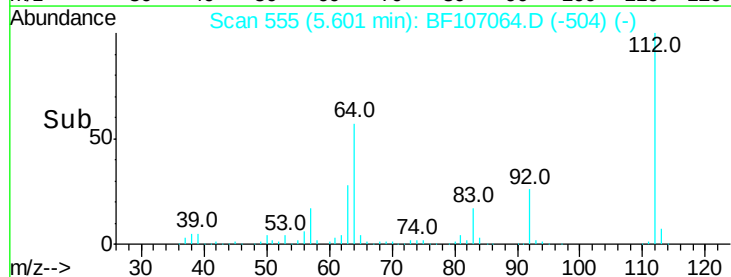
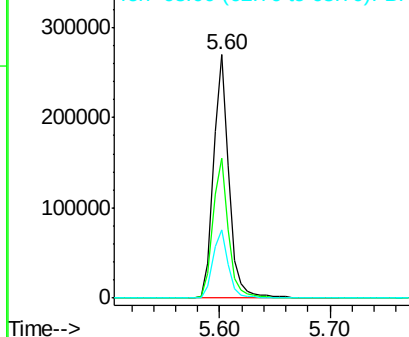
#5

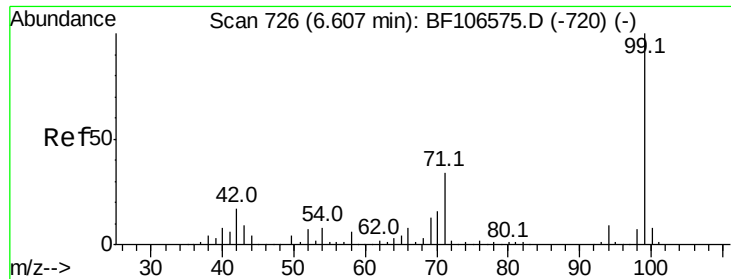
2-Fluorophenol
Concen: 70.255 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF107064.D
Acq: 3 Jul 2018 1:36

Tgt Ion:112 Resp: 257065
Ion Ratio Lower Upper
112 100
64 57.3 47.9 71.9
63 28.0 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: 44.581 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107064.D

Acq: 3 Jul 2018 1:36

Instrument :

BNA_F

ClientSampled :

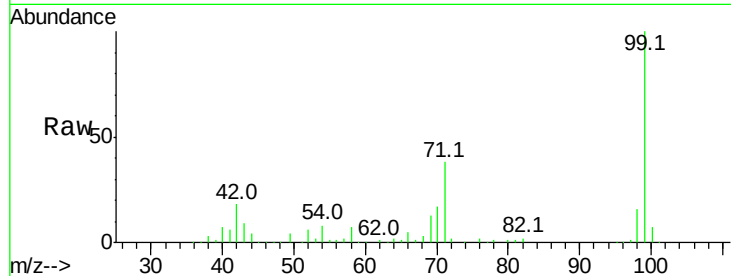
Tot Ion: 99 Resp: 203707

Ion Ratio Lower Upper

99 100

42 18.0 14.5 21.7

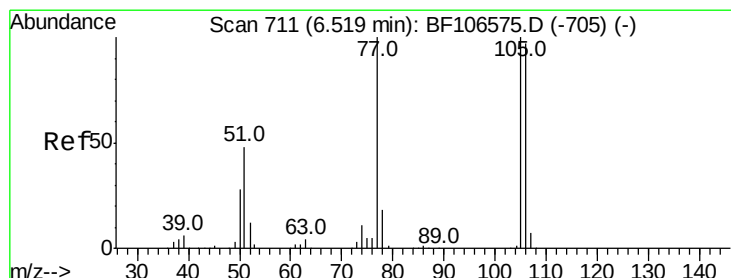
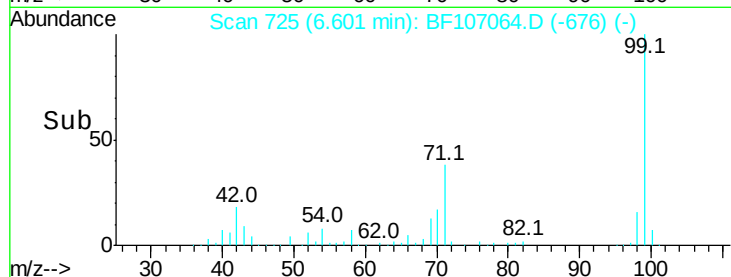
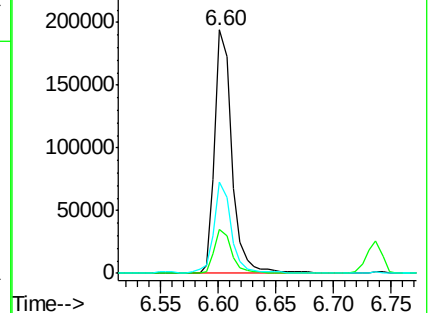
71 37.5 25.4 38.0



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: 2.355 ng

RT: 6.74 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF107064.D

Acq: 3 Jul 2018 1:36

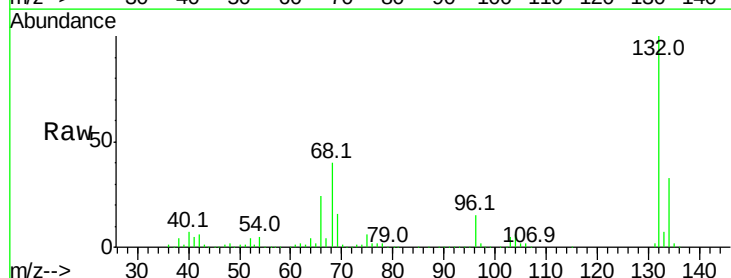
Tgt Ion: 77 Resp: 9059

Ion Ratio Lower Upper

77 100

105 84.2 81.1 121.1

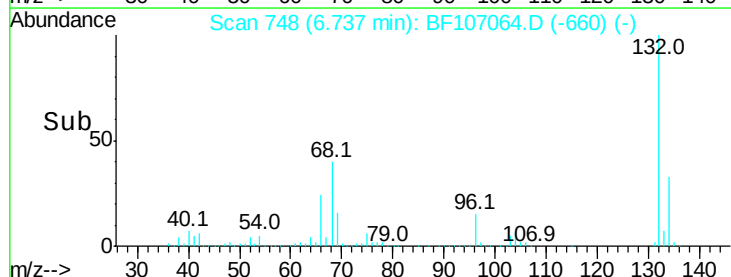
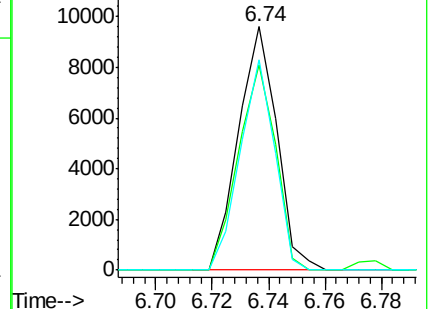
106 86.6 74.5 114.5

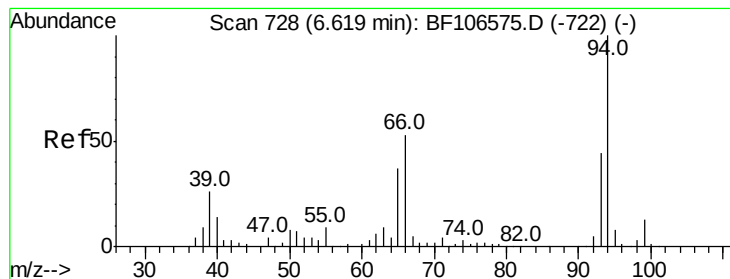


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.332 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF107064.D

Acq: 3 Jul 2018 1:36

Instrument :

BNA_F

ClientSampleId :

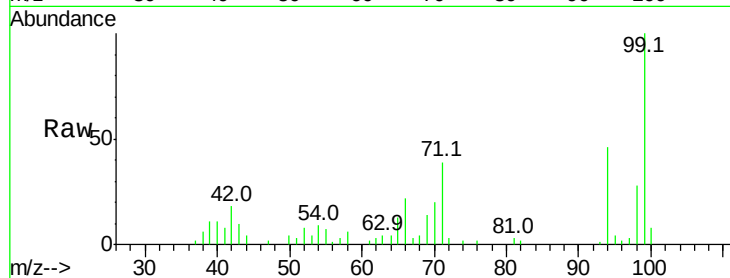
Tot Ion: 94 Resp: 12162

Ion Ratio Lower Upper

94 100

65 27.7 7.9 47.9

66 48.0 16.2 56.2

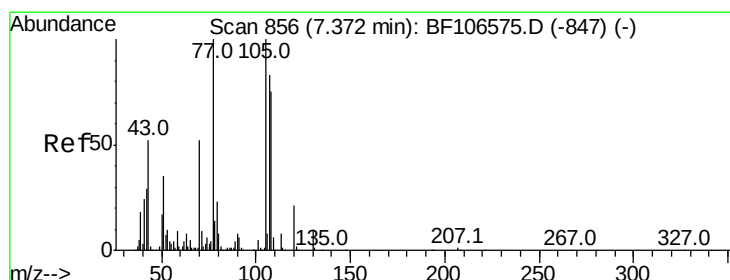
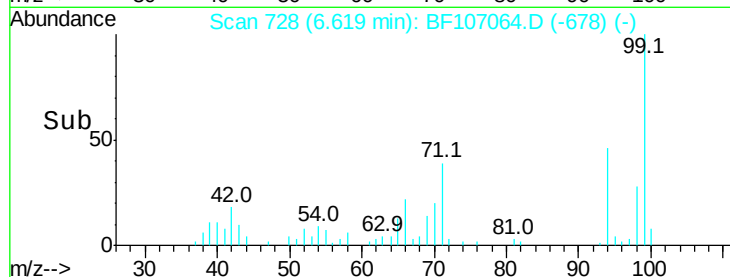
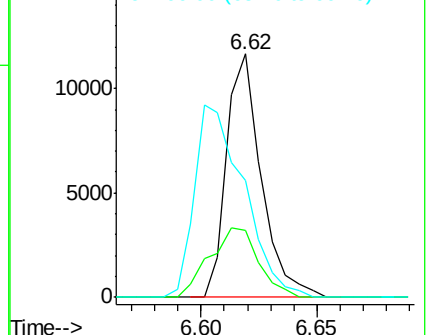


Abundance

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: 15.417 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.14 min

Lab File: BF107064.D

Acq: 3 Jul 2018 1:36

Tgt Ion: 70 Resp: 46435

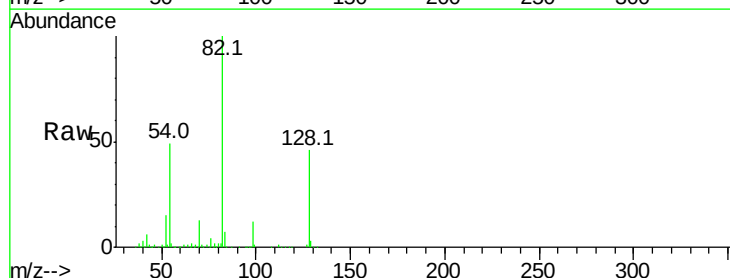
Ion Ratio Lower Upper

70 100

42 43.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#



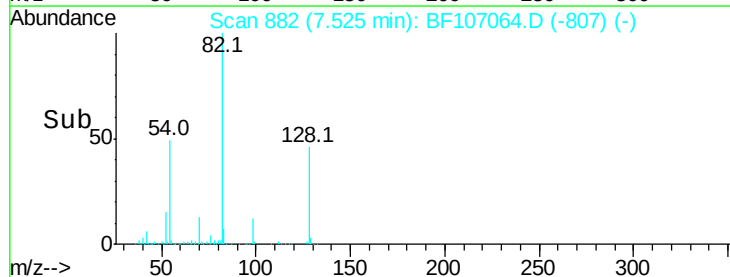
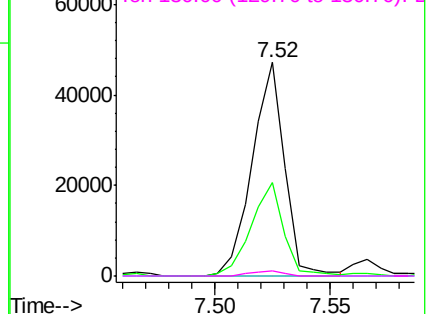
Abundance

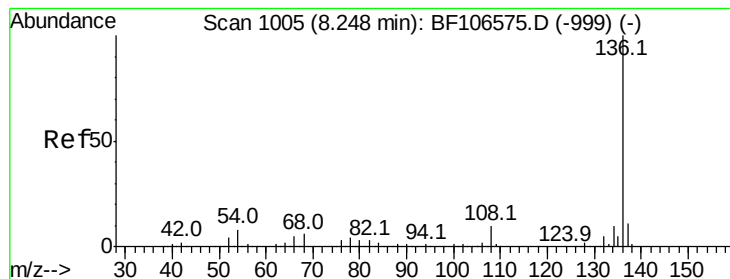
Ion 70.00 (69.70 to 70.70): BF1

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: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF107064.D

Acq: 3 Jul 2018 1:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 216381

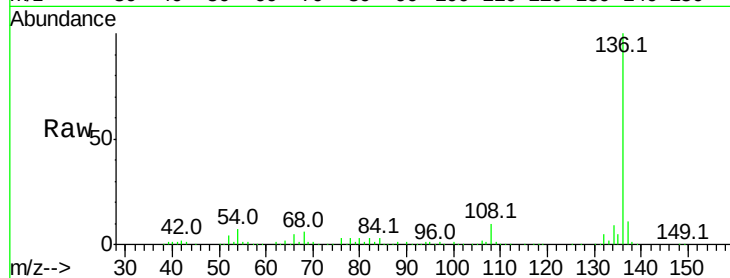
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.4 6.6 9.8

68 6.1 5.0 7.4

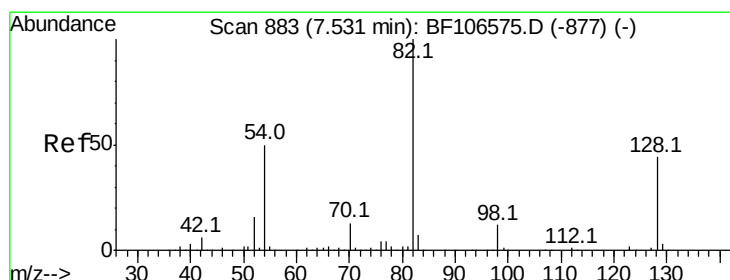
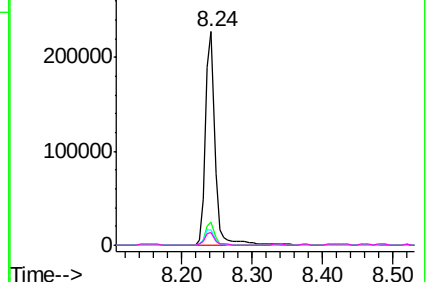
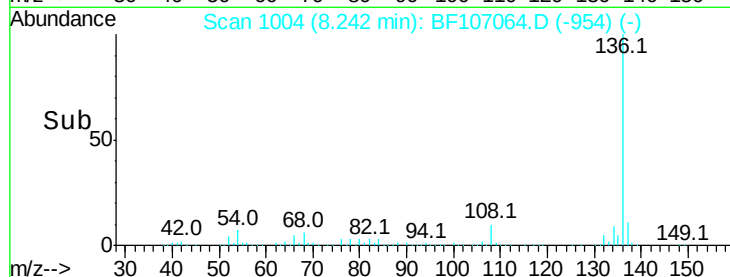


Abundance Ion 136.00 (135.70 to 136.70): E

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: 90.437 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF107064.D

Acq: 3 Jul 2018 1:36

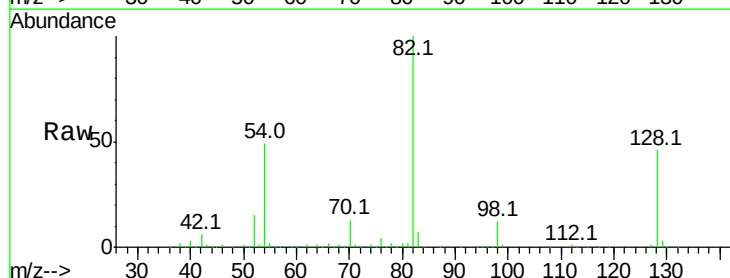
Tgt Ion: 82 Resp: 352126

Ion Ratio Lower Upper

82 100

128 46.0 36.1 54.1

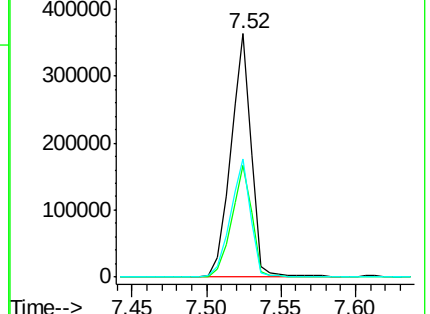
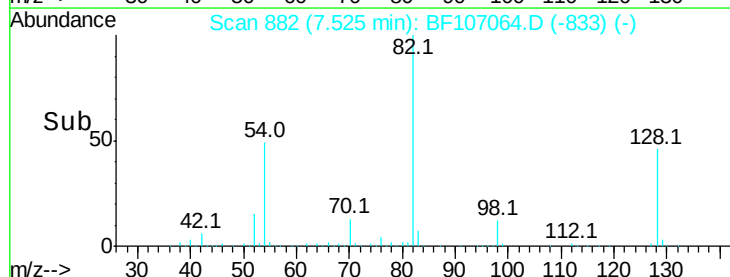
54 48.6 41.4 62.2

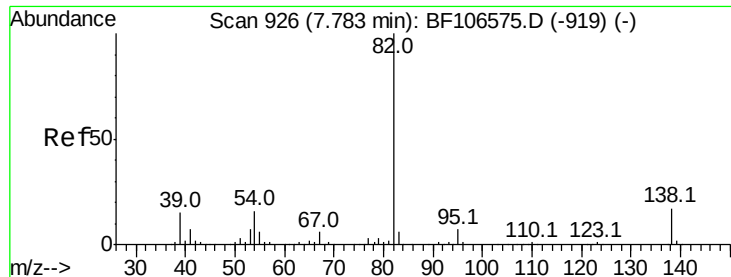


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 51.038 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF107064.D

Acq: 3 Jul 2018 1:36

Instrument :

BNA_F

ClientSampled :

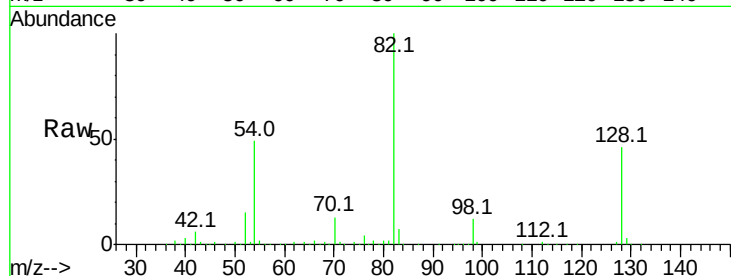
Tot Ion: 82 Resp: 350176

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

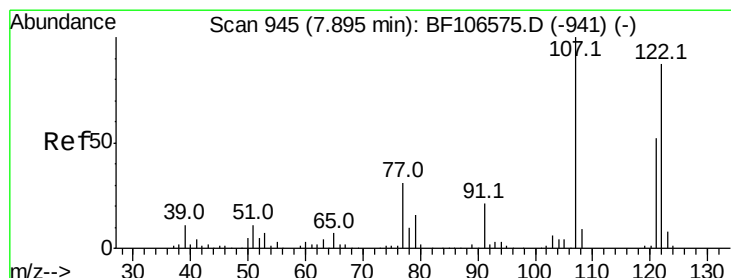
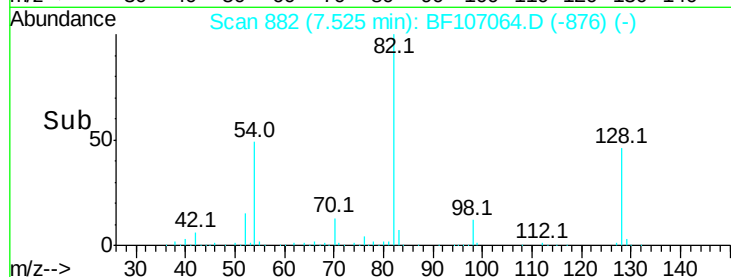
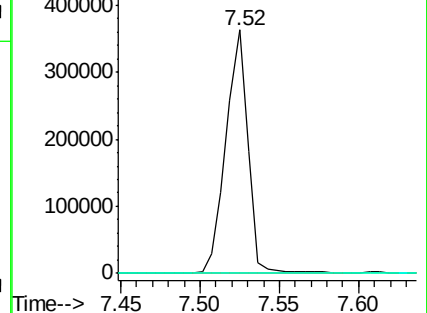
138 0.0 14.9 22.3#



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



#27

2,4-Dimethylphenol

Concen: 2.030 ng

RT: 7.90 min Scan# 946

Delta R.T. 0.00 min

Lab File: BF107064.D

Acq: 3 Jul 2018 1:36

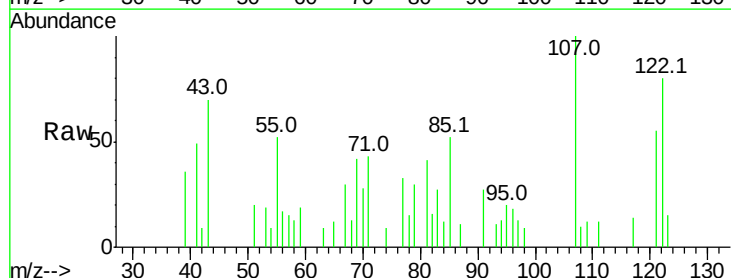
Tgt Ion:122 Resp: 5888

Ion Ratio Lower Upper

122 100

107 125.6 91.2 136.8

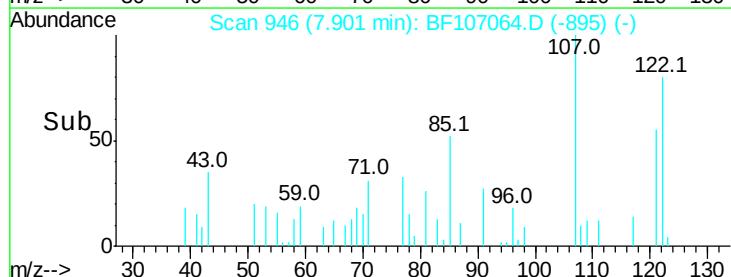
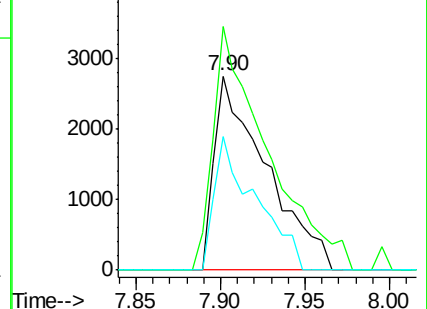
121 68.9 47.2 70.8

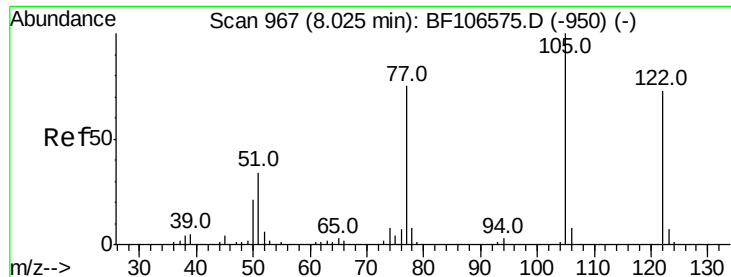


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

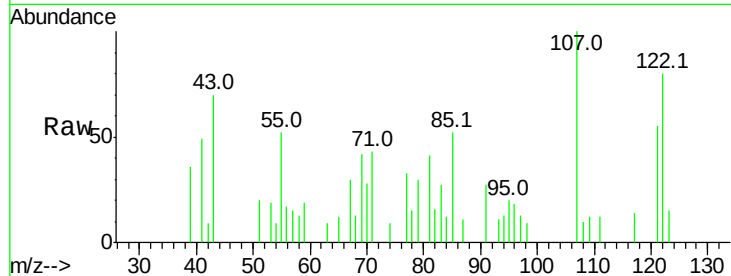




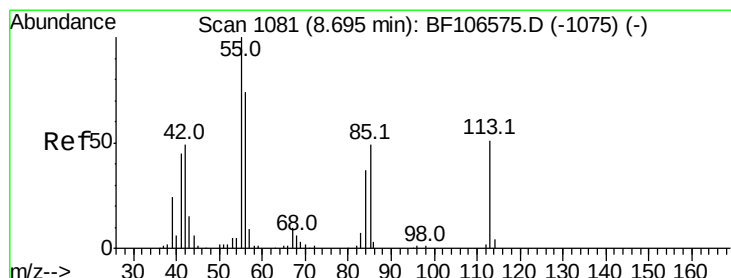
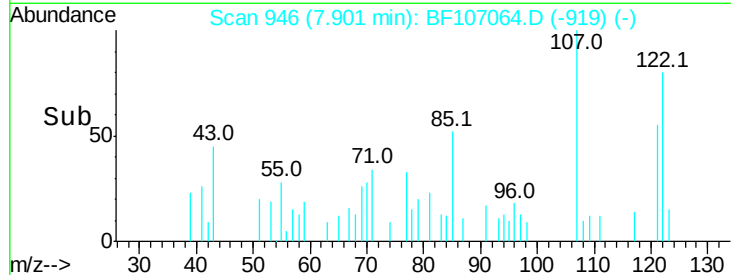
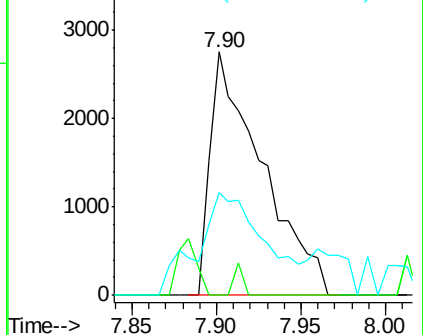
#32
Benzoic acid
Concen: 8.189 ng
RT: 7.90 min Scan# 946
Delta R.T. -0.14 min
Lab File: BF107064.D
Acq: 3 Jul 2018 1:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:122 Resp: 5888
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 42.1 70.7 110.7#

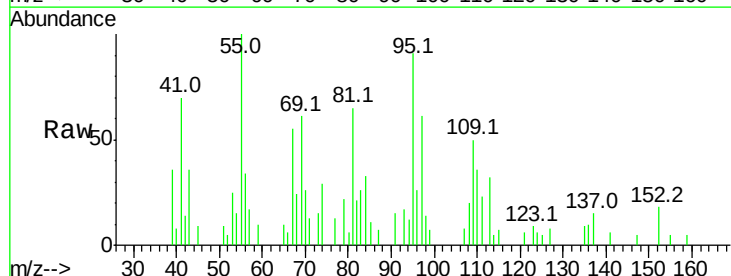


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

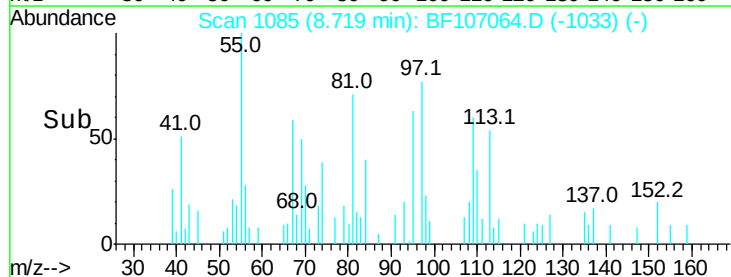
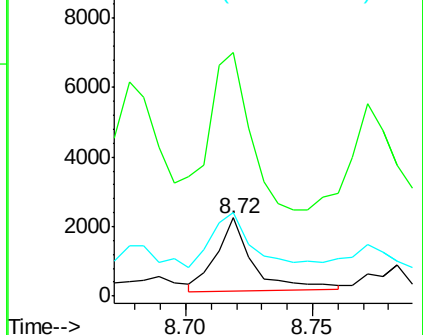


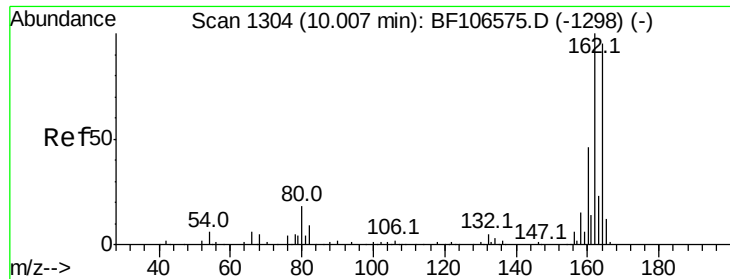
#35
Caprolactam
Concen: 2.163 ng
RT: 8.72 min Scan# 1085
Delta R.T. 0.01 min
Lab File: BF107064.D
Acq: 3 Jul 2018 1:36

Tgt Ion:113 Resp: 2141
Ion Ratio Lower Upper
113 100
55 312.3 163.3 203.3#
56 106.5 115.7 155.7#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

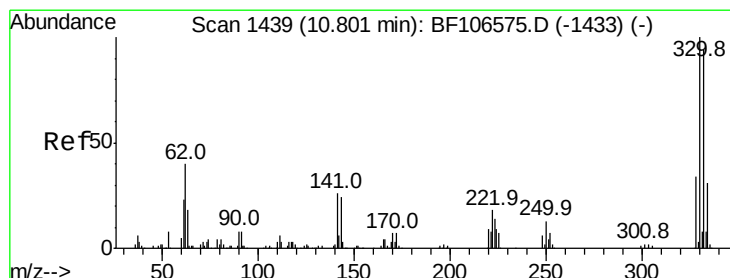
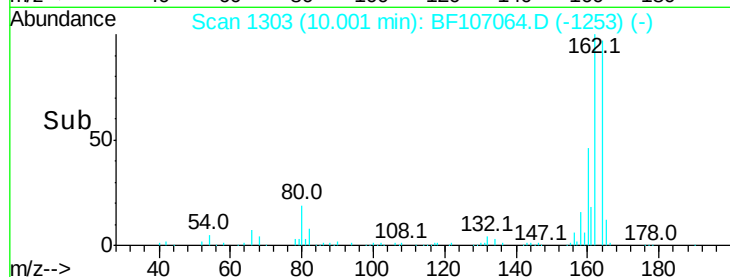
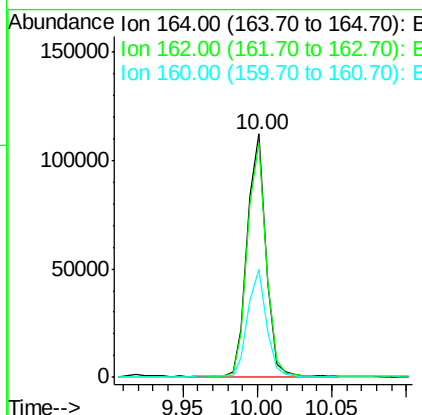
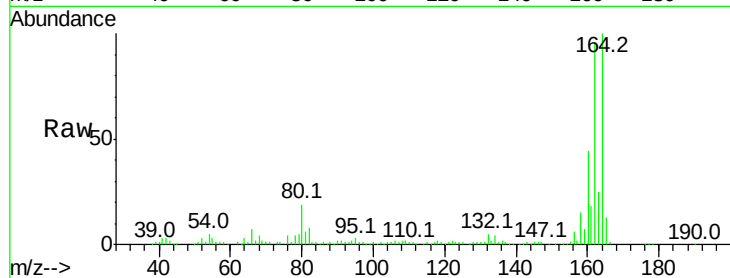




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF107064.D
 Acq: 3 Jul 2018 1:36

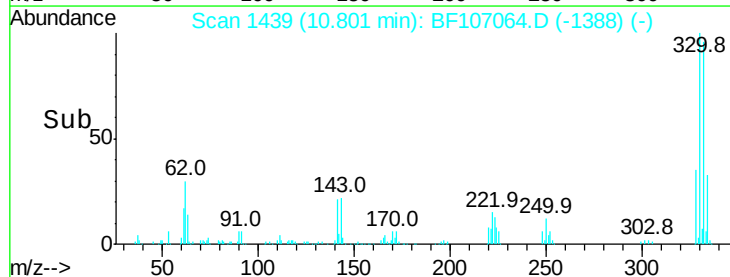
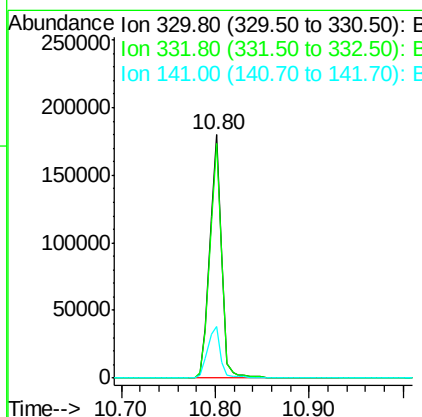
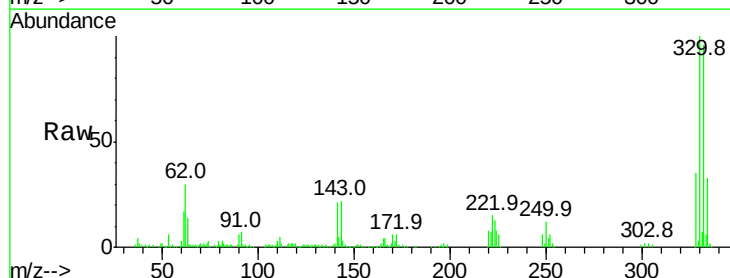
Instrument :
 BNA_F
 ClientSampled :

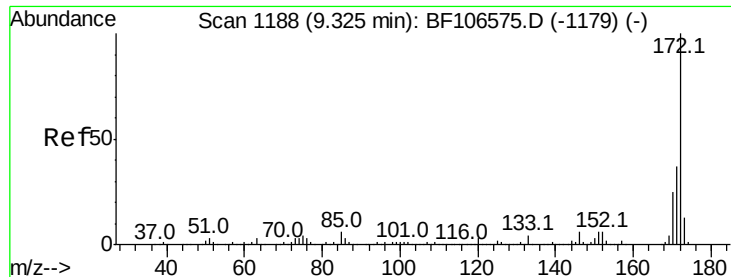
Tot Ion:164 Resp: 95591
 Ion Ratio Lower Upper
 164 100
 162 96.4 86.1 129.1
 160 44.3 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 146.084 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF107064.D
 Acq: 3 Jul 2018 1:36

Tgt Ion:330 Resp: 161850
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 22.3 29.9 44.9#

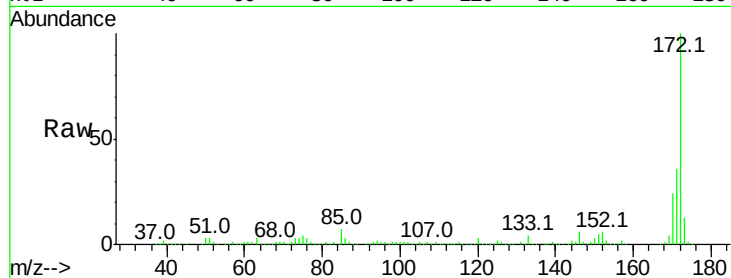




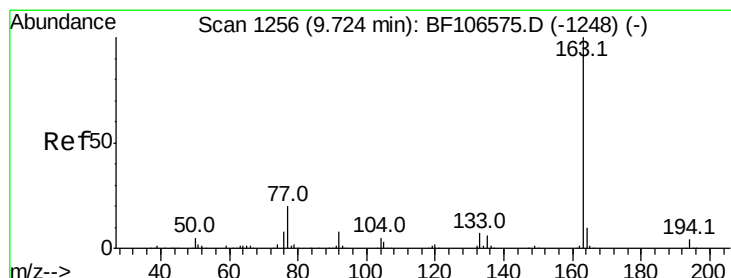
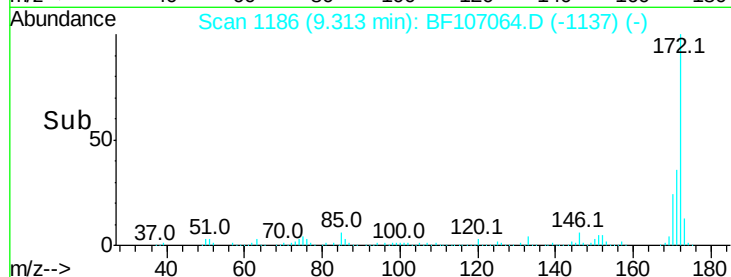
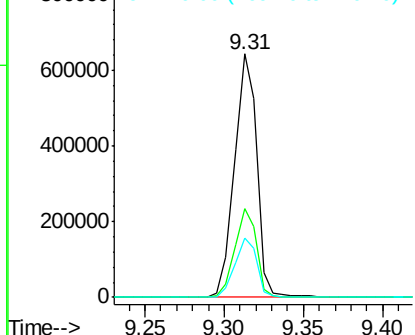
#44
2-Fluorobiphenyl
Concen: 116.904 ng
RT: 9.31 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF107064.D
Acq: 3 Jul 2018 1:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.3	19.6	29.4

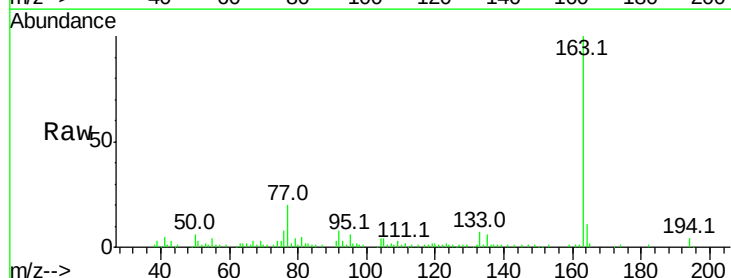


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

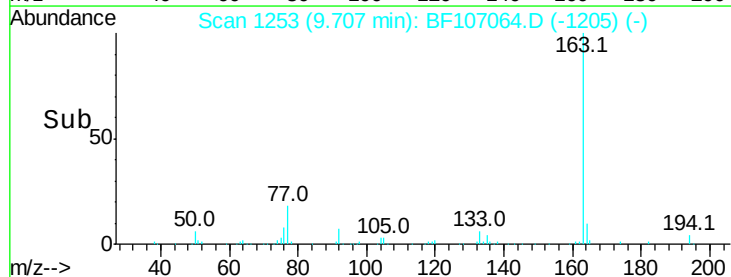
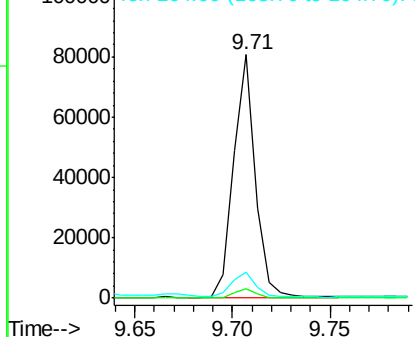


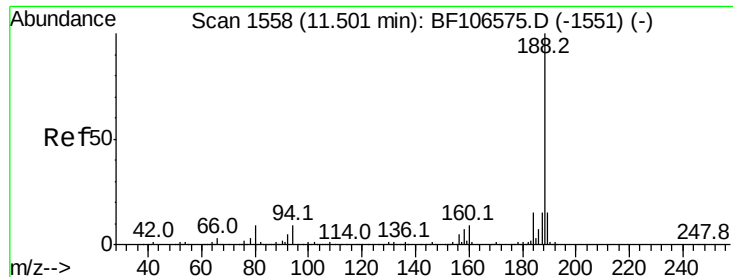
#49
Dimethylphthalate
Concen: 8.826 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF107064.D
Acq: 3 Jul 2018 1:36

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	10.9	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

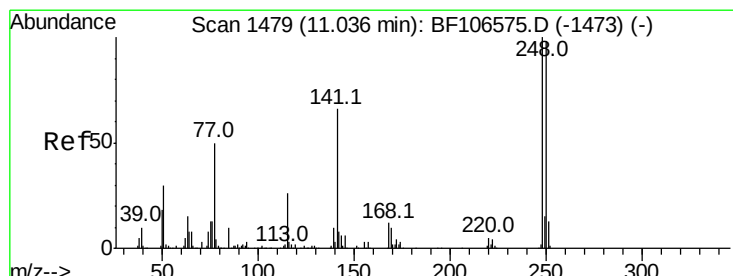
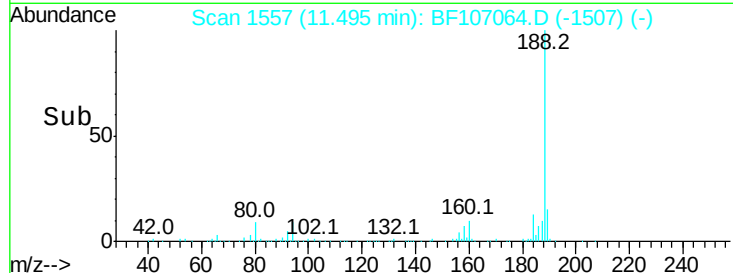
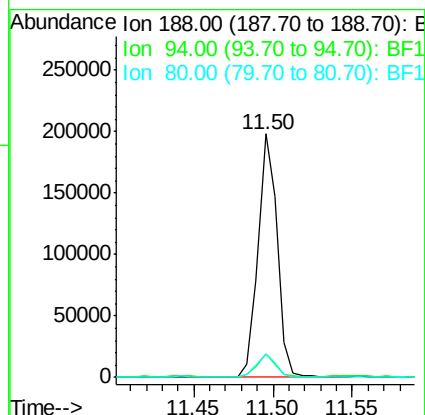
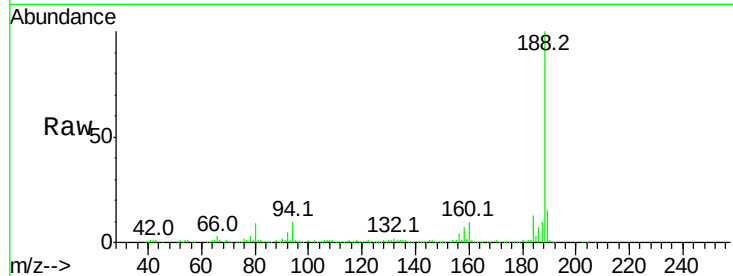




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF107064.D
 Acq: 3 Jul 2018 1:36

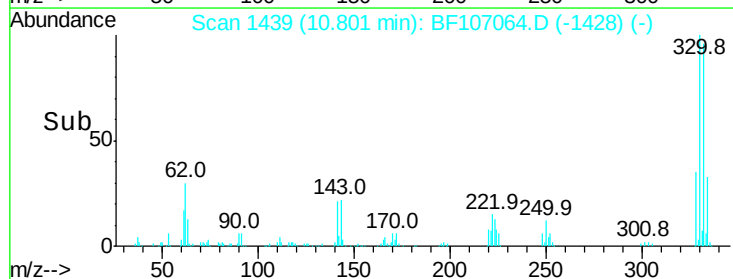
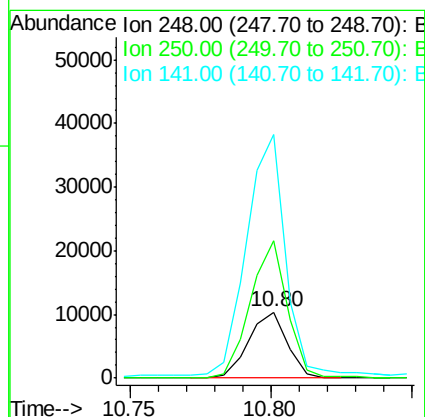
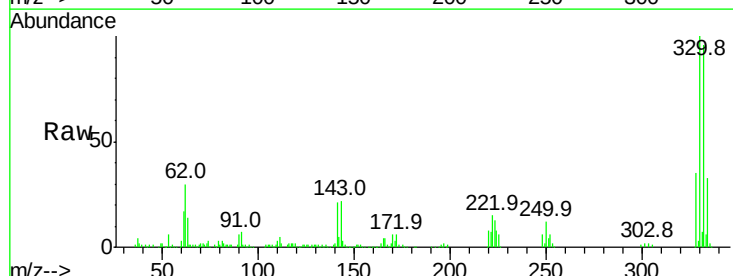
Instrument :
 BNA_F
 ClientSampled :

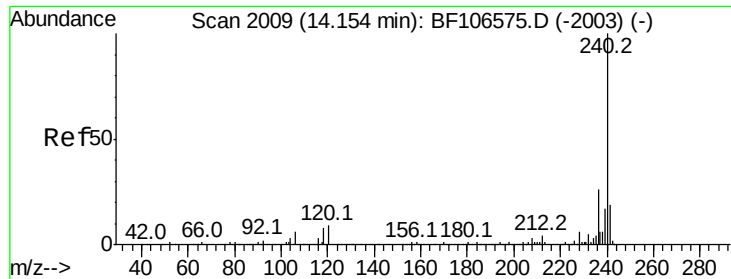
Tot Ion:188 Resp: 167245
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.5 12.7
 80 9.4 9.2 13.8



#66
 4-Bromophenyl-phenylether
 Concen: 4.915 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.24 min
 Lab File: BF107064.D
 Acq: 3 Jul 2018 1:36

Tgt Ion:248 Resp: 9811
 Ion Ratio Lower Upper
 248 100
 250 208.6 76.9 115.3#
 141 370.7 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107064.D

Acq: 3 Jul 2018 1:36

Instrument :

BNA_F

ClientSampleId :

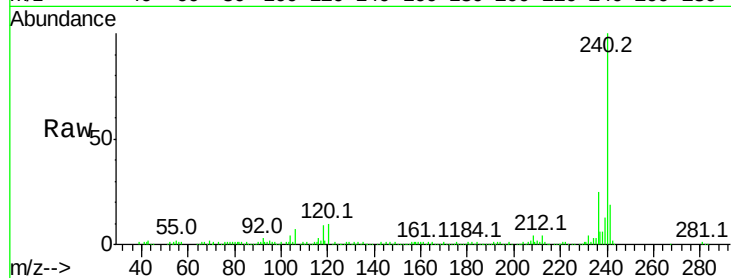
Tot Ion:240 Resp: 145061

Ion Ratio Lower Upper

240 100

120 10.4 9.5 14.3

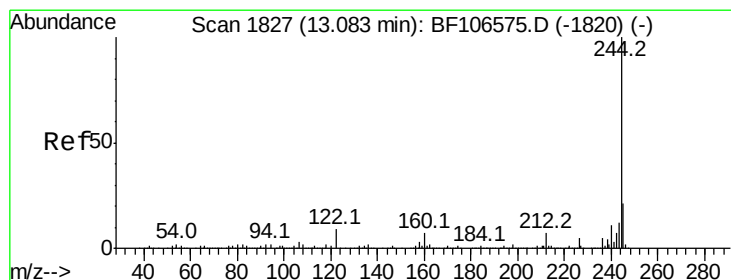
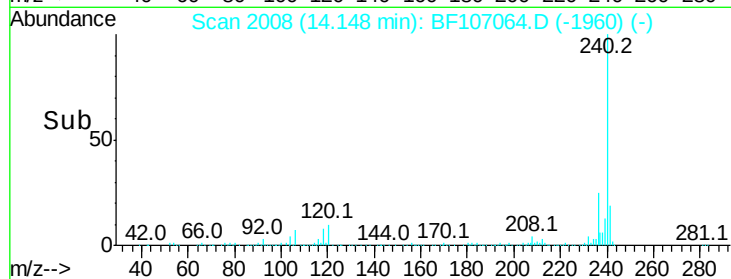
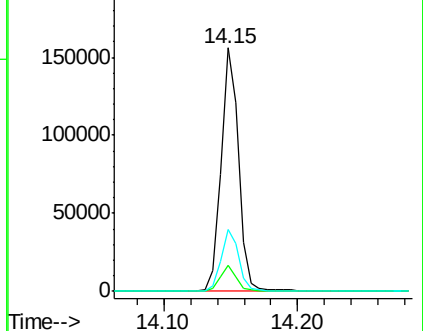
236 25.5 20.7 31.1



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



#78

Terphenyl-d14

Concen: 117.317 ng

RT: 13.08 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF107064.D

Acq: 3 Jul 2018 1:36

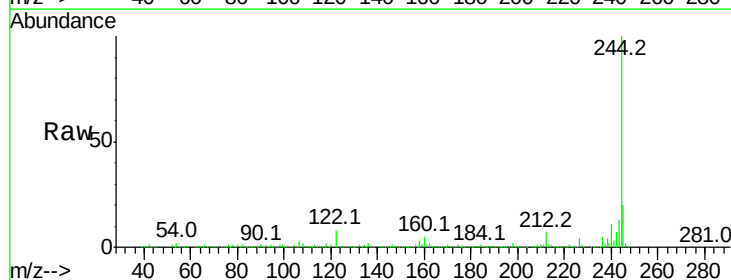
Tgt Ion:244 Resp: 702561

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

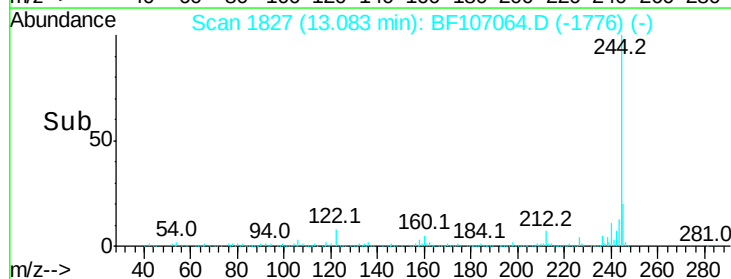
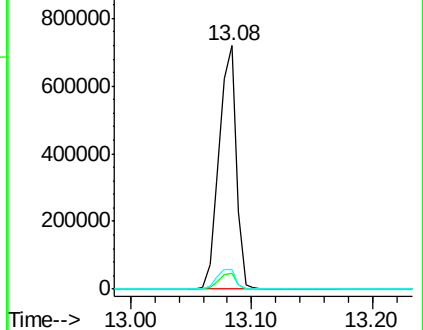
122 8.1 11.0 16.4#

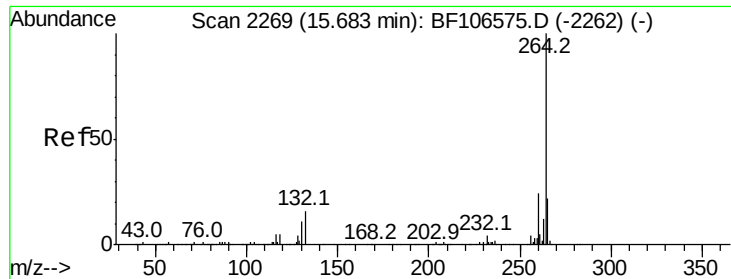


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF107064.D
Acq: 3 Jul 2018 1:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.3	17.5	26.3

