

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
 Data File : BF107104.D
 Acq On : 4 Jul 2018 2:10
 Operator : JU/SJ
 Sample : J3816-01
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 04 03:14:16 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	50072	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	182194	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	79413	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	157601	20.00	ng	0.00
75) Chrysene-d12	14.15	240	117726	20.00	ng	-0.01
86) Perylene-d12	15.70	264	91951	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	68569	23.19	ng	0.01
7) Phenol-d6	6.62	99	80759	21.87	ng	0.00
23) Nitrobenzene-d5	7.52	82	42474	12.96	ng	-0.02
41) 2,4,6-Tribromophenol	10.81	330	17784	19.32	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	85022	4.08	ng	-0.02
78) Terphenyl-d14	13.08	244	106722	21.96	ng	0.00

Target Compounds

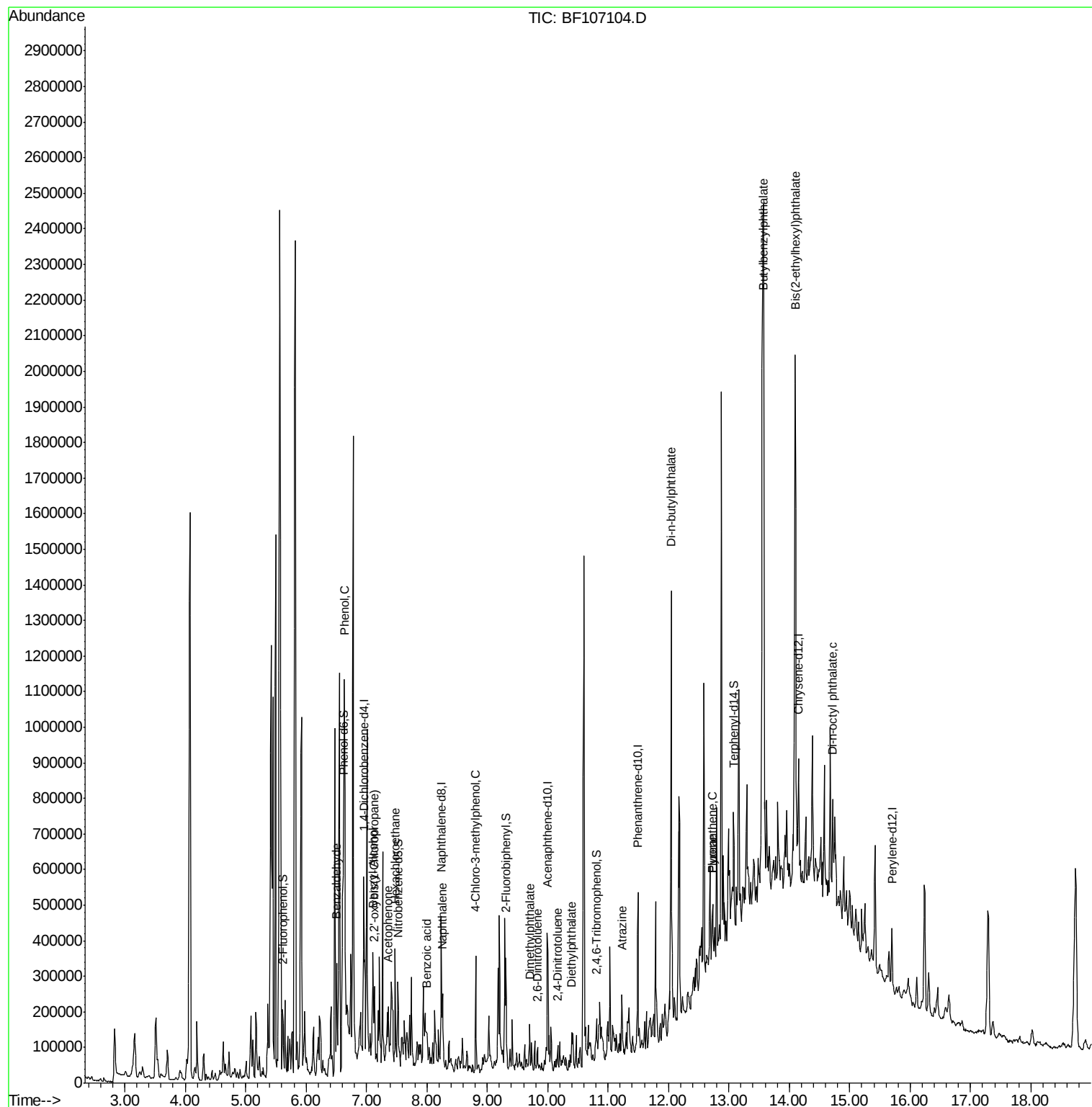
						Qvalue
9) Benzaldehyde	6.51	77	15700	5.023	ng	# 1
10) Phenol	6.64	94	21223	5.036	ng	# 1
15) Benzyl Alcohol	7.10	79	11318	3.817	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.14	45	17974	3.938	ng	83
18) Hexachloroethane	7.48	117	8543	6.326	ng	# 1
20) 3+4-Methylphenols	7.36	107	1162	Below Cal		# 1
22) Acetophenone	7.36	105	16131	3.957	ng	# 97
31) Naphthalene	8.26	128	42133	4.946	ng	100
32) Benzoic acid	8.01	122	11778	11.569	ng	94
36) 4-Chloro-3-methylphenol	8.81	107	42982	15.971	ng	# 20
49) Dimethylphthalate	9.70	163	17824	2.993	ng	# 92
50) 2,6-Dinitrotoluene	9.82	165	4761	3.775	ng	# 40
56) 2,4-Dinitrotoluene	10.17	165	3865	2.348	ng	# 55
59) Diethylphthalate	10.40	149	18189	3.164	ng	# 91
68) Atrazine	11.23	200	6602	3.918	ng	# 37
73) Di-n-butylphthalate	12.04	149	562051	65.677	ng	99
74) Fluoranthene	12.72	202	18495	2.207	ng	96
77) Pyrene	12.72	202	18495	2.382	ng	97
79) Butylbenzylphthalate	13.57	149	1002487	314.077	ng	# 96
83) Bis(2-ethylhexyl)phthalate	14.10	149	482027	118.124	ng	# 96
84) Di-n-octyl phthalate	14.72	149	233567	35.114	ng	# 96

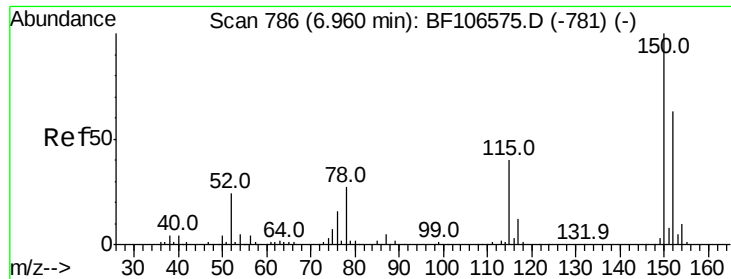
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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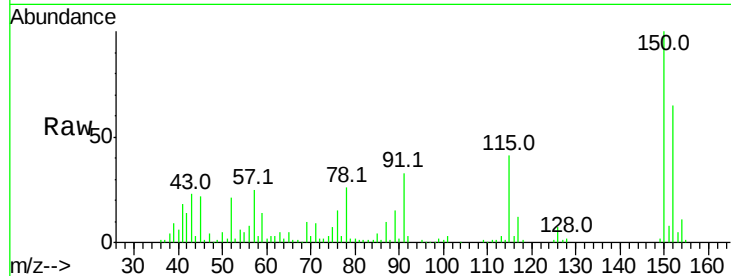


#1

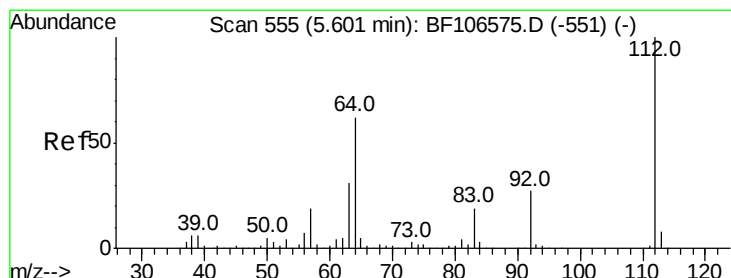
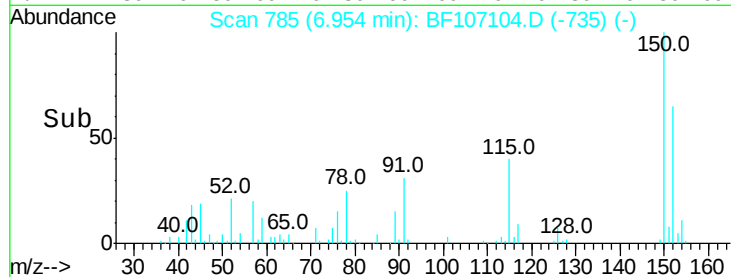
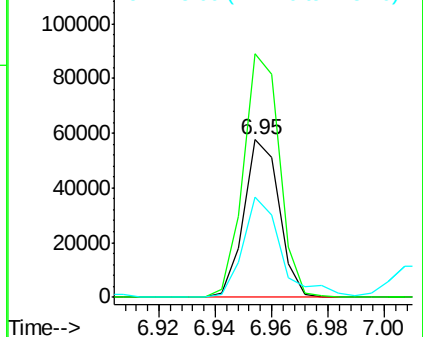
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107104.D
Acq: 4 Jul 2018 2:10

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 50072
Ion Ratio Lower Upper
152 100
150 154.7 124.6 186.8
115 63.6 50.1 75.1



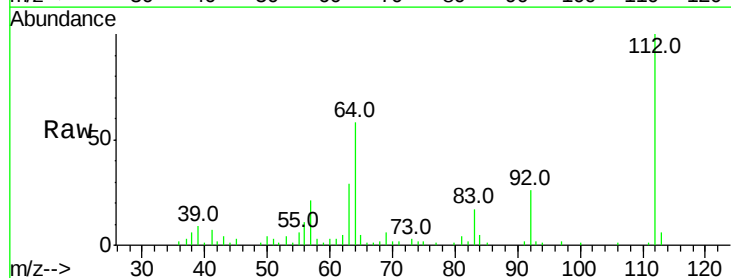
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



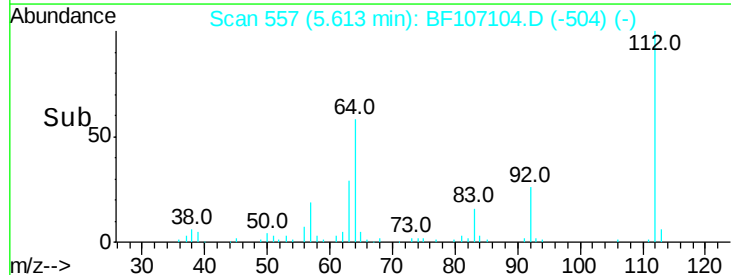
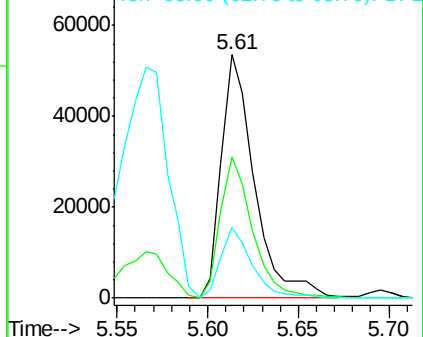
#5

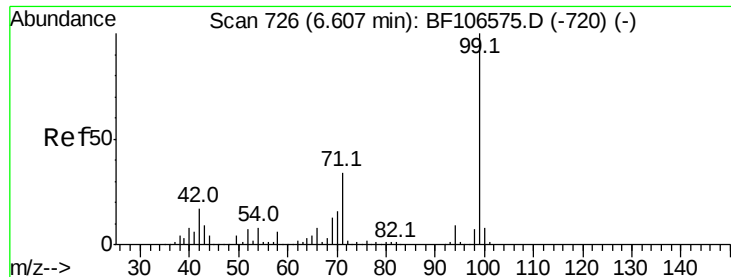
2-Fluorophenol
Concen: 23.188 ng
RT: 5.61 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF107104.D
Acq: 4 Jul 2018 2:10

Tgt Ion:112 Resp: 68569
Ion Ratio Lower Upper
112 100
64 57.8 47.9 71.9
63 29.1 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: 21.870 ng

RT: 6.62 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF107104.D

Acq: 4 Jul 2018 2:10

Instrument :

BNA_F

ClientSampled :

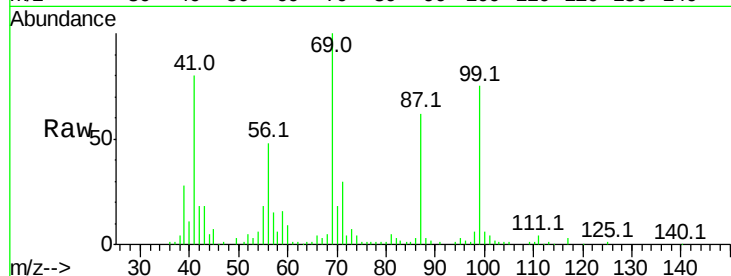
Tot Ion: 99 Resp: 80759

Ion Ratio Lower Upper

99 100

42 23.8 14.5 21.7#

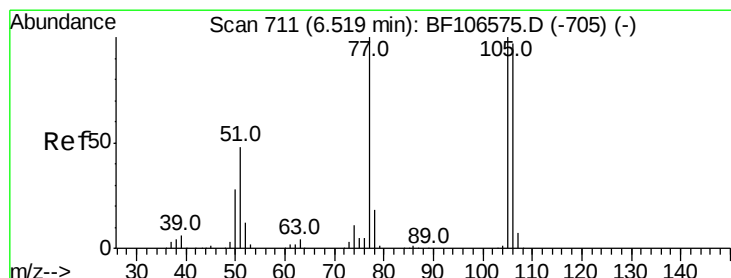
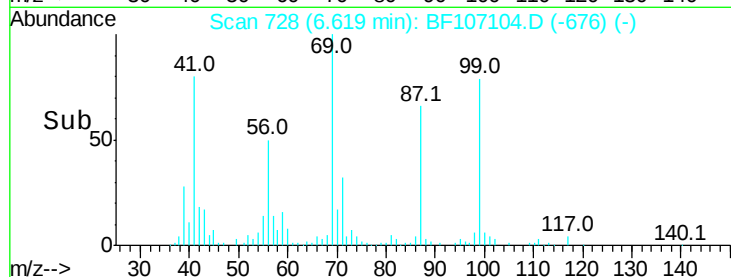
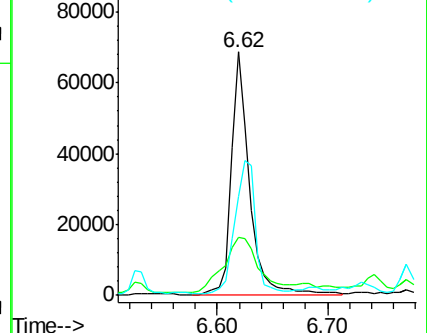
71 40.4 25.4 38.0#



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: 5.023 ng

RT: 6.51 min Scan# 709

Delta R.T. -0.01 min

Lab File: BF107104.D

Acq: 4 Jul 2018 2:10

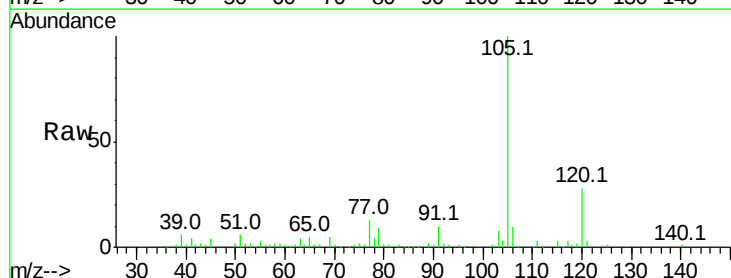
Tgt Ion: 77 Resp: 15700

Ion Ratio Lower Upper

77 100

105 774.2 81.1 121.1#

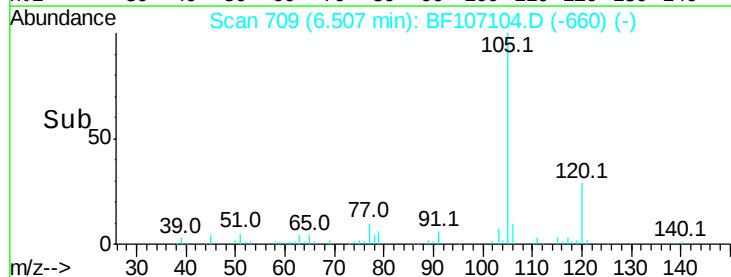
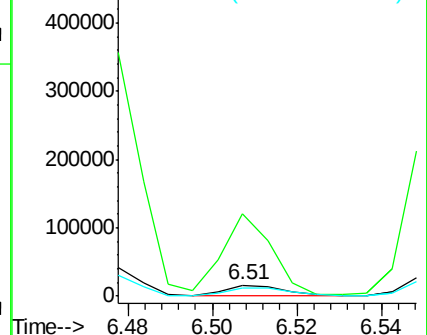
106 79.9 74.5 114.5

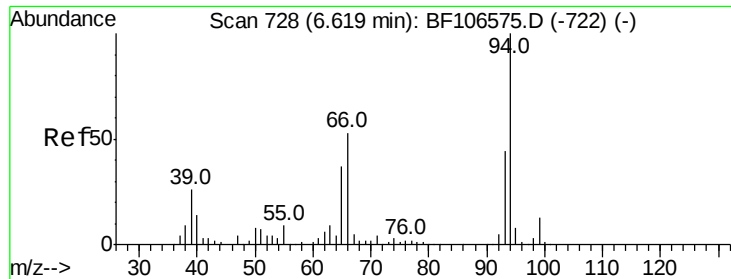


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

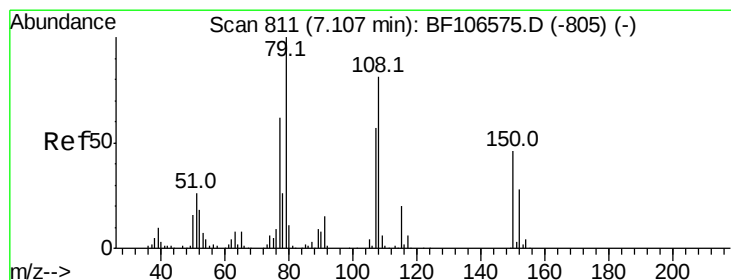
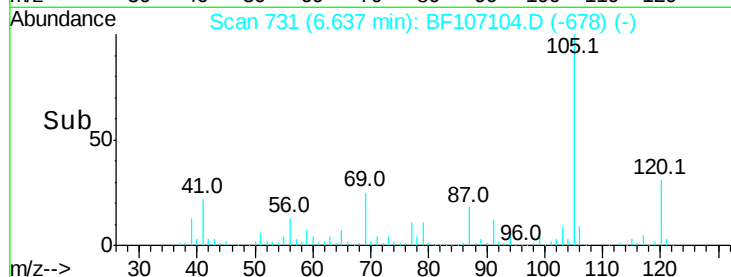
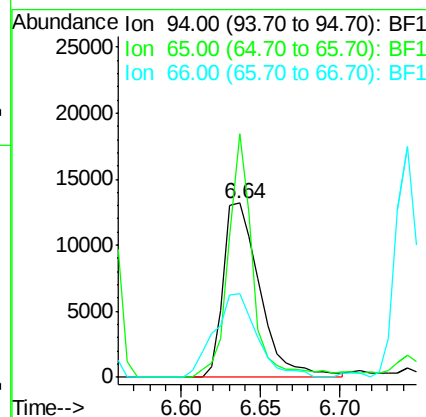
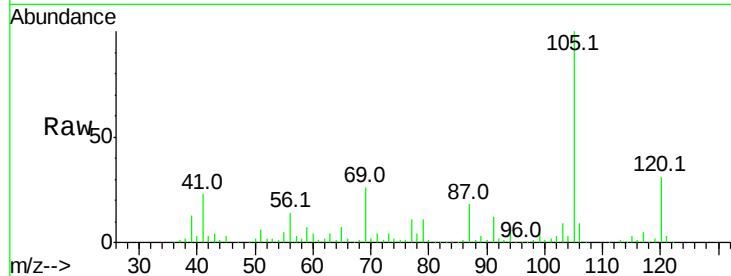




#10
Phenol
Concen: 5.036 ng
RT: 6.64 min Scan# 731
Delta R.T. 0.01 min
Lab File: BF107104.D
Acq: 4 Jul 2018 2:10

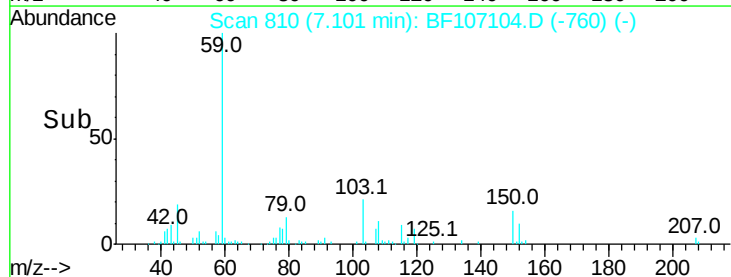
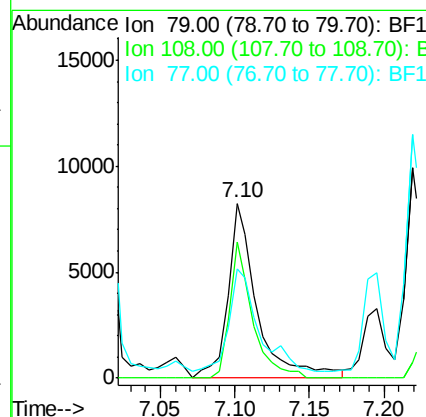
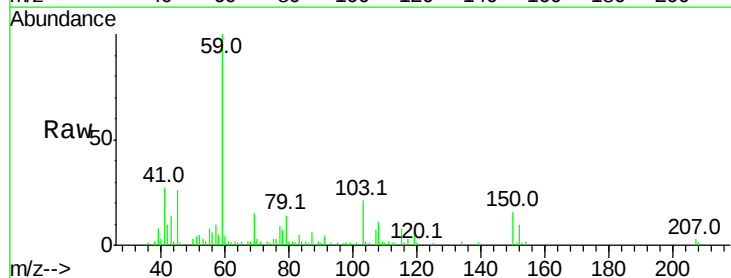
Instrument :
BNA_F
ClientSampled :

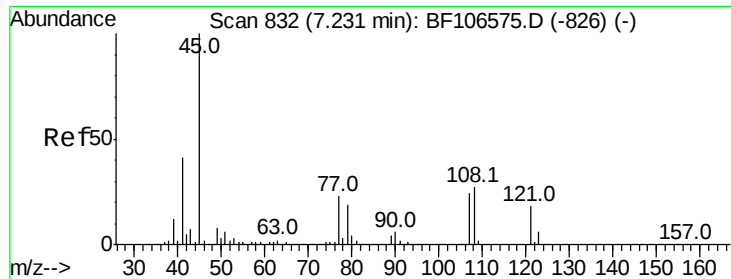
Tot Ion: 94 Resp: 21223
Ion Ratio Lower Upper
94 100
65 140.0 7.9 47.9#
66 48.3 16.2 56.2



#15
Benzyl Alcohol
Concen: 3.817 ng
RT: 7.10 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF107104.D
Acq: 4 Jul 2018 2:10

Tgt Ion: 79 Resp: 11318
Ion Ratio Lower Upper
79 100
108 78.0 65.1 97.7
77 62.9 50.6 75.8

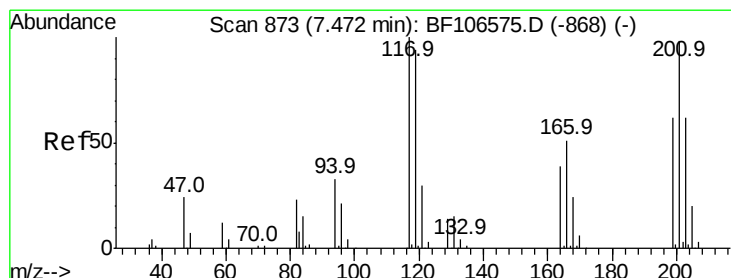
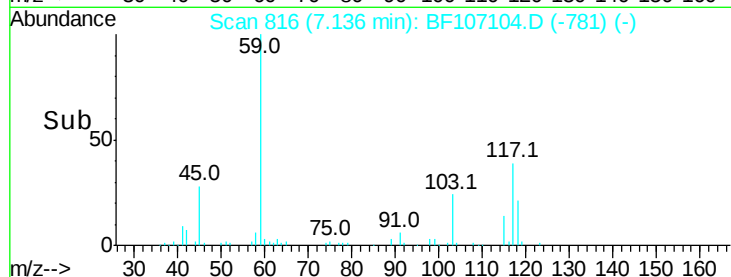
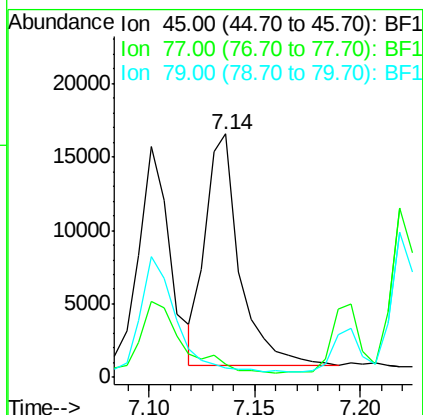
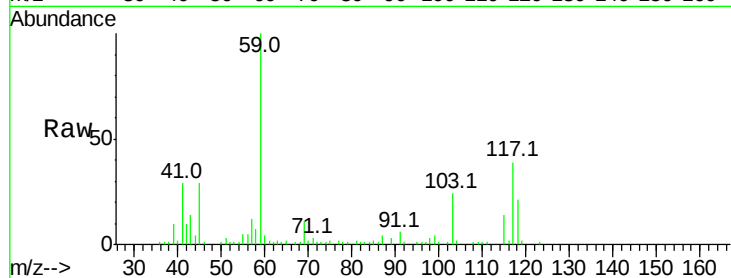




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 3.938 ng
RT: 7.14 min Scan# 816
Delta R.T. -0.09 min
Lab File: BF107104.D
Acq: 4 Jul 2018 2:10

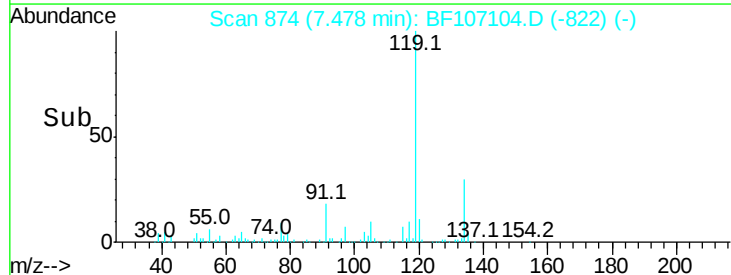
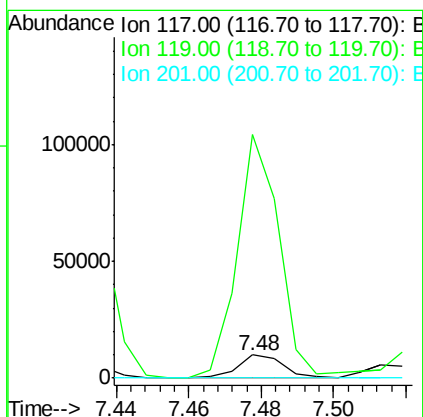
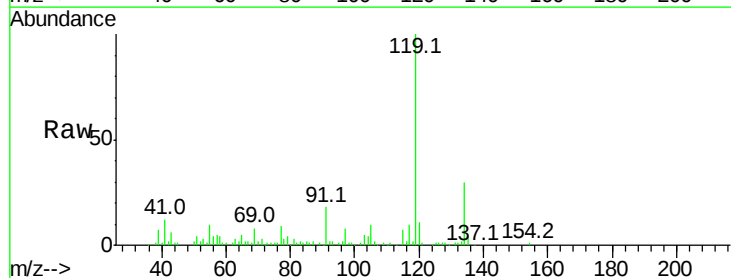
Instrument :
BNA_F
ClientSampleId :

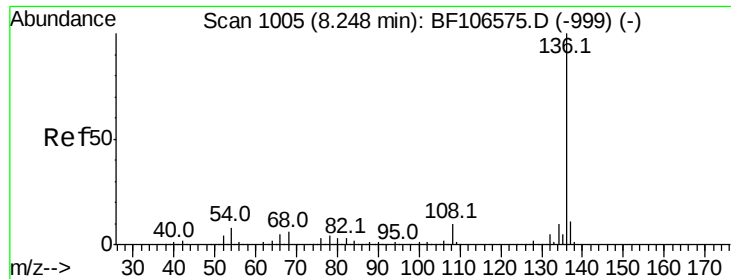
Tot Ion: 45 Resp: 17974
Ion Ratio Lower Upper
45 100
77 5.6 0.0 32.9
79 3.6 0.0 29.6



#18
Hexachloroethane
Concen: 6.326 ng
RT: 7.48 min Scan# 874
Delta R.T. 0.01 min
Lab File: BF107104.D
Acq: 4 Jul 2018 2:10

Tgt Ion: 117 Resp: 8543
Ion Ratio Lower Upper
117 100
119 1052.3 75.8 113.8#
201 0.0 75.7 113.5#

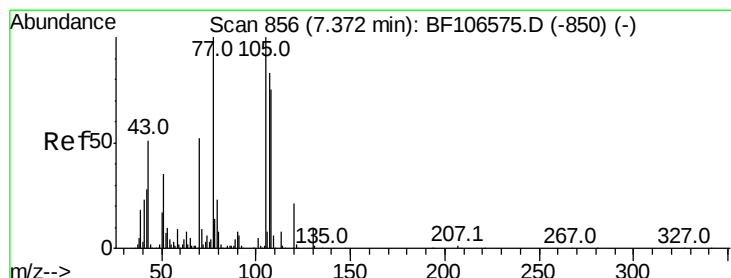
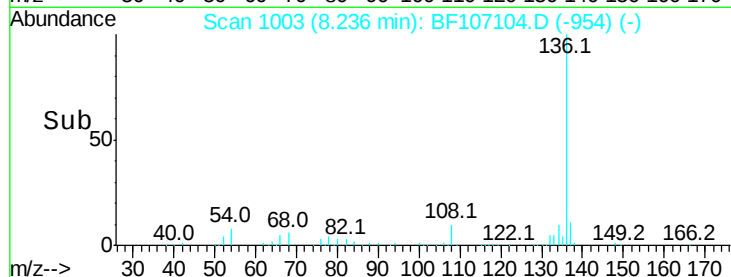
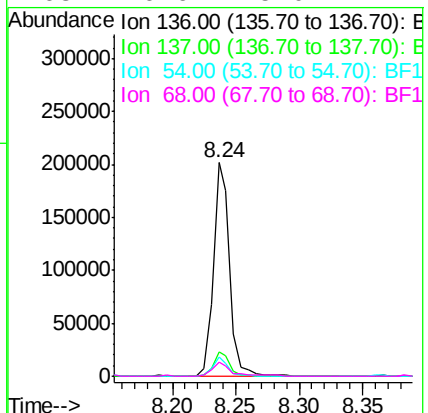
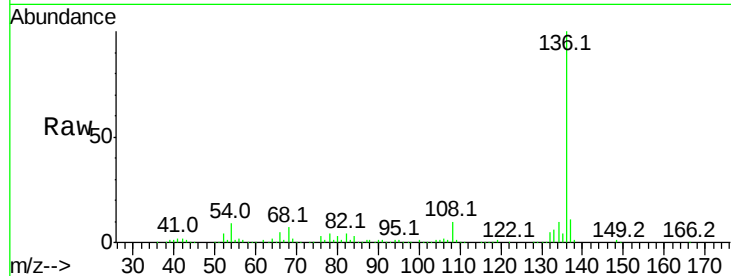




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF107104.D
Acq: 4 Jul 2018 2:10

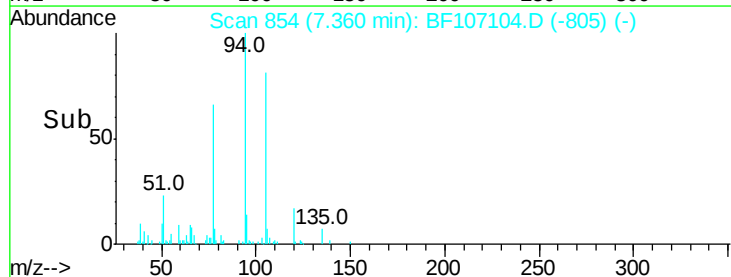
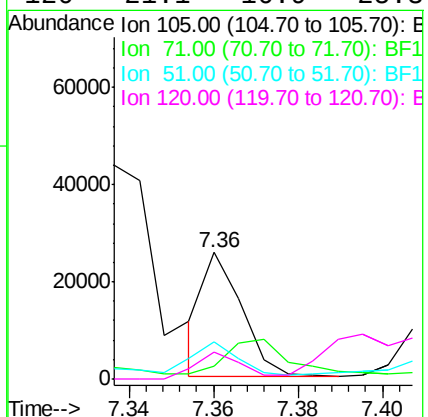
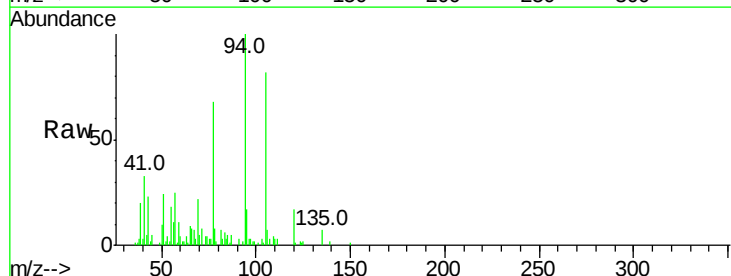
Instrument :
BNA_F
ClientSampleId :

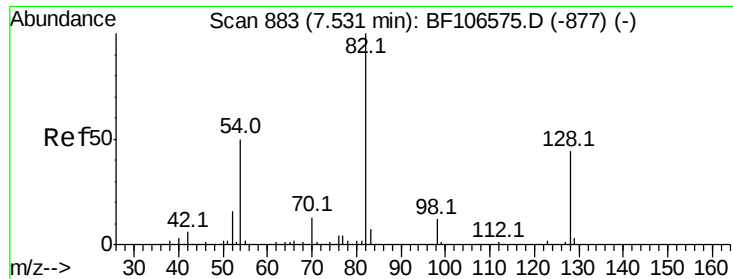
Tot Ion:	136	Resp:	182194
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.7	6.6	9.8
68	6.6	5.0	7.4



#22
Acetophenone
Concen: 3.957 ng
RT: 7.36 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF107104.D
Acq: 4 Jul 2018 2:10

Tgt Ion:	105	Resp:	16131
Ion	Ratio	Lower	Upper
105	100		
71	10.3	4.4	6.6#
51	29.3	22.3	33.5
120	21.1	16.9	25.3

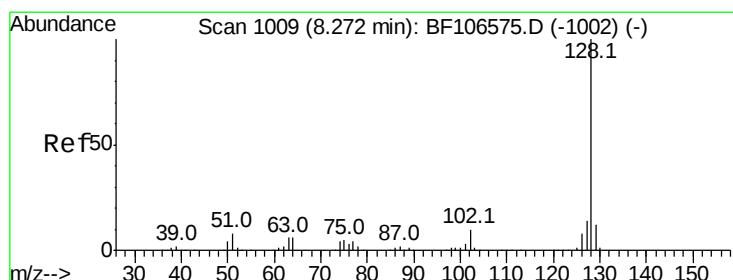
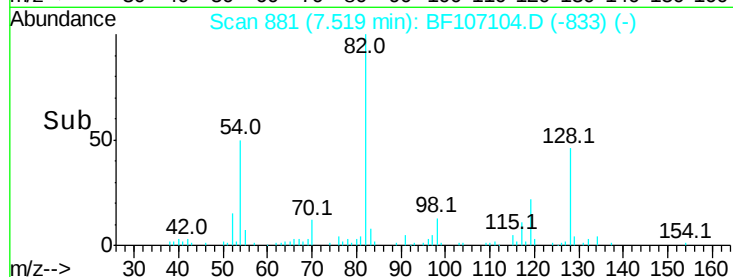
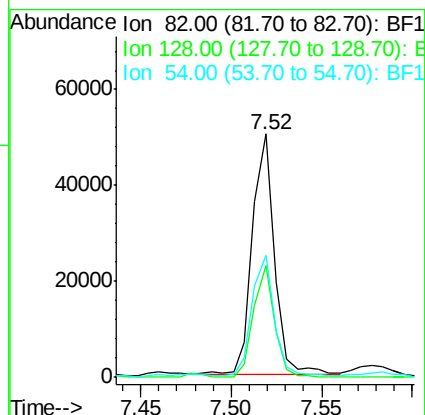
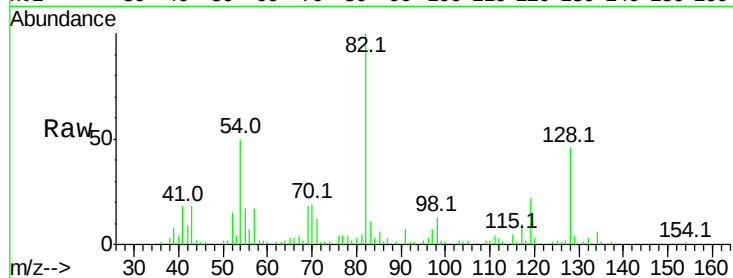




#23
Nitrobenzene-d5
Concen: 12.956 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF107104.D
Acq: 4 Jul 2018 2:10

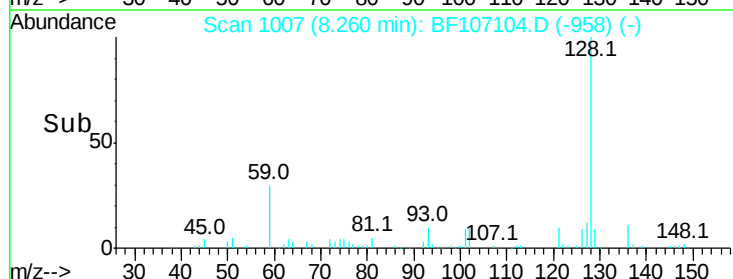
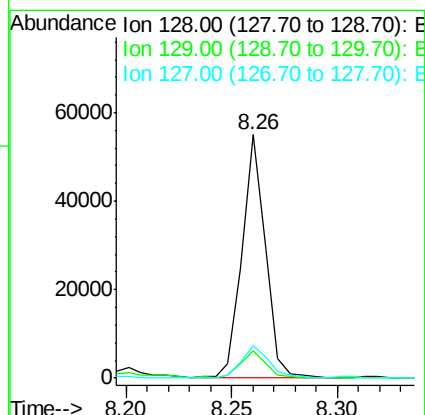
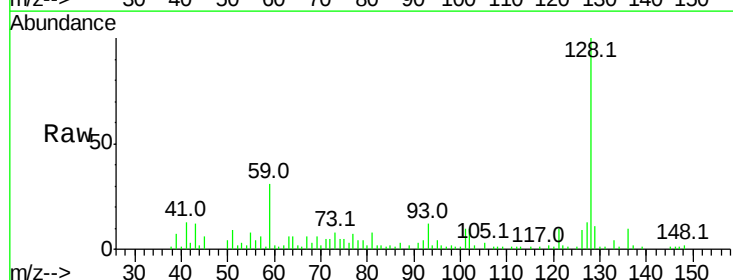
Instrument :
BNA_F
ClientSampleId :

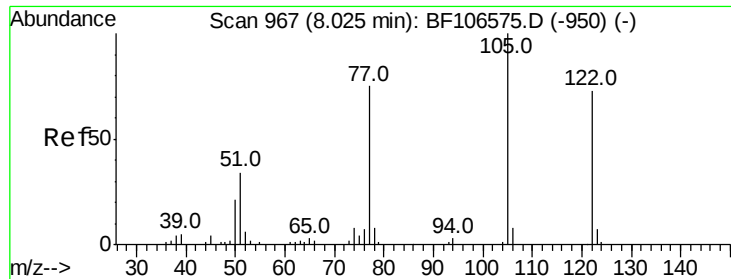
Tot Ion: 82 Resp: 42474
Ion Ratio Lower Upper
82 100
128 45.8 36.1 54.1
54 49.9 41.4 62.2



#31
Naphthalene
Concen: 4.946 ng
RT: 8.26 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF107104.D
Acq: 4 Jul 2018 2:10

Tgt Ion:128 Resp: 42133
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.4 10.9 16.3

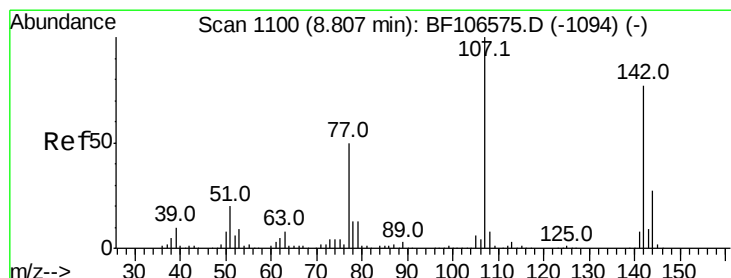
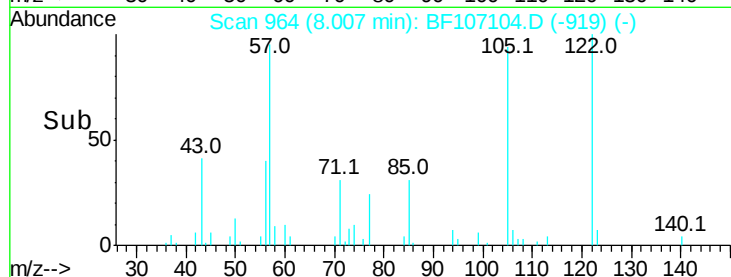
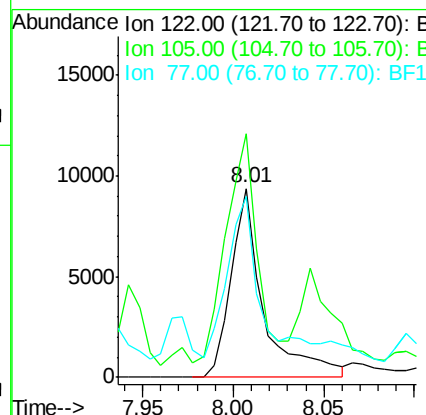
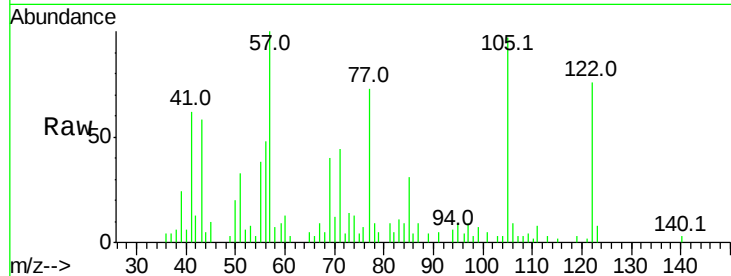




#32
Benzoic acid
Concen: 11.569 ng
RT: 8.01 min Scan# 964
Delta R.T. -0.04 min
Lab File: BF107104.D
Acq: 4 Jul 2018 2:10

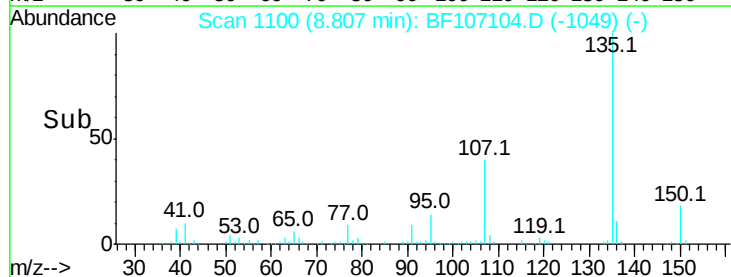
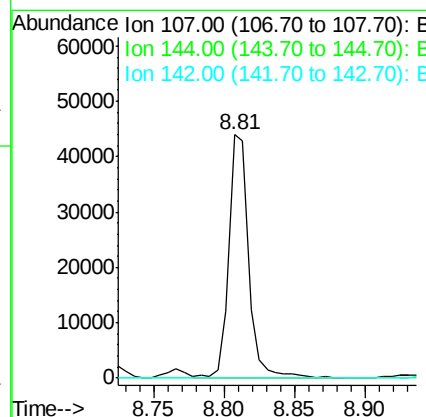
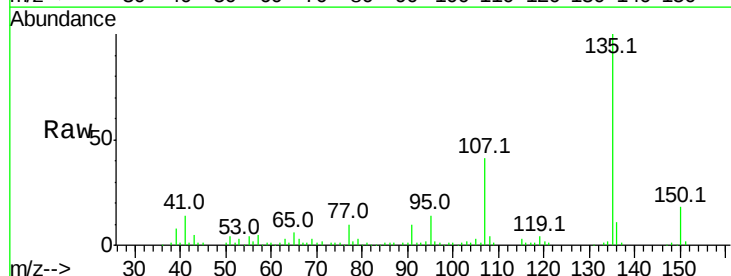
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ClientSampleId :

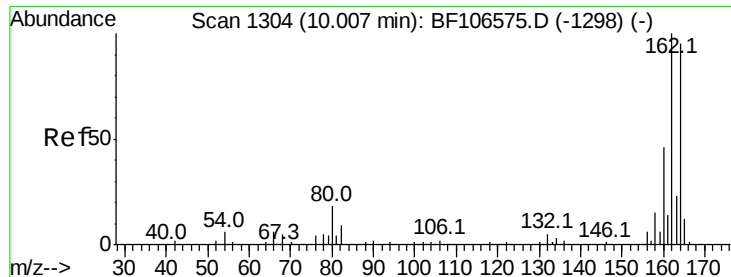
Tot Ion:122 Resp: 11778
Ion Ratio Lower Upper
122 100
105 128.8 101.1 141.1
77 95.9 70.7 110.7



#36
4-Chloro-3-methylphenol
Concen: 15.971 ng
RT: 8.81 min Scan# 1100
Delta R.T. -0.00 min
Lab File: BF107104.D
Acq: 4 Jul 2018 2:10

Tgt Ion:107 Resp: 42982
Ion Ratio Lower Upper
107 100
144 0.0 20.5 30.7#
142 0.0 62.0 93.0#

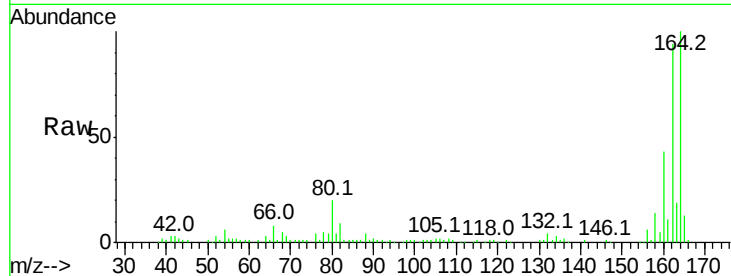




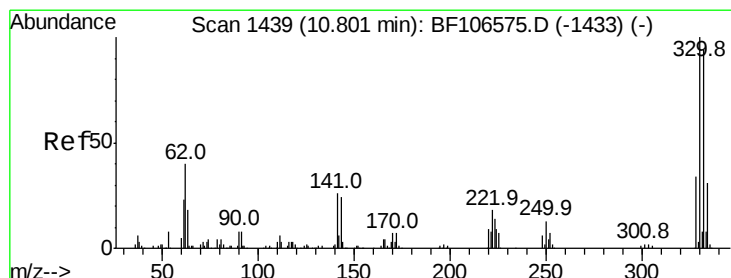
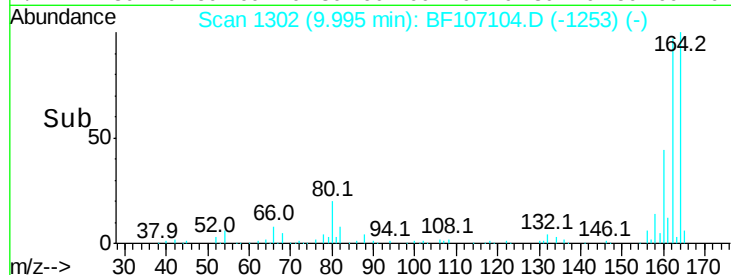
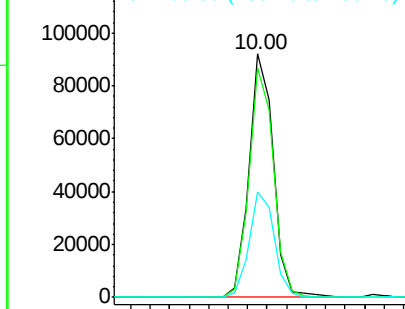
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF107104.D
Acq: 4 Jul 2018 2:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 79413
Ion Ratio Lower Upper
164 100
162 94.2 86.1 129.1
160 43.1 38.3 57.5

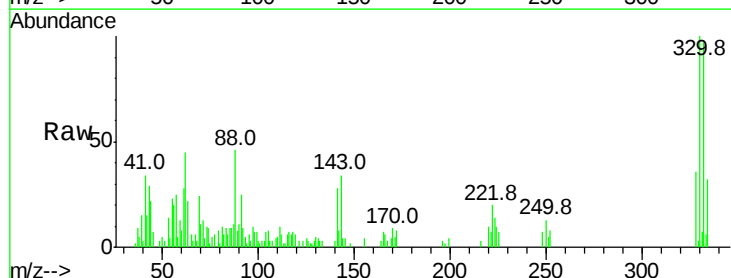


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

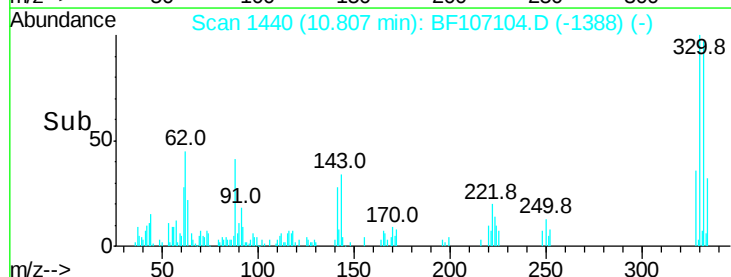
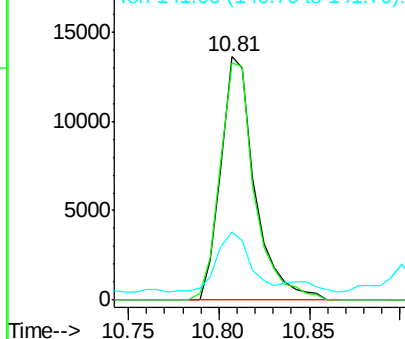


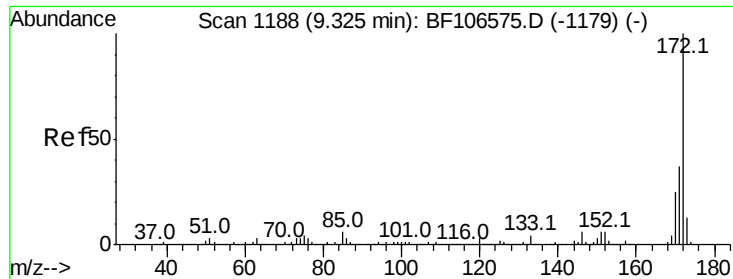
#41
2,4,6-Tribromophenol
Concen: 19.322 ng
RT: 10.81 min Scan# 1440
Delta R.T. 0.01 min
Lab File: BF107104.D
Acq: 4 Jul 2018 2:10

Tgt Ion:330 Resp: 17784
Ion Ratio Lower Upper
330 100
332 99.5 77.0 115.6
141 23.0 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

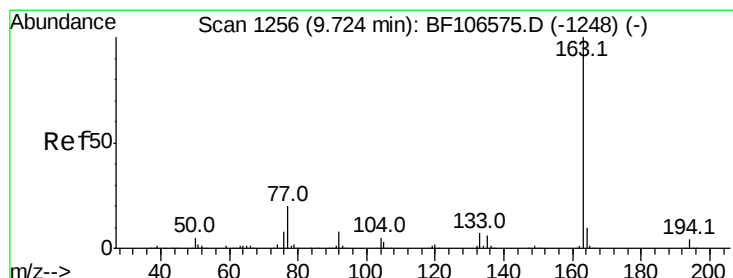
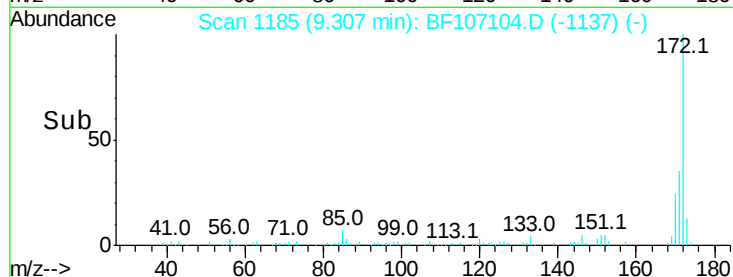
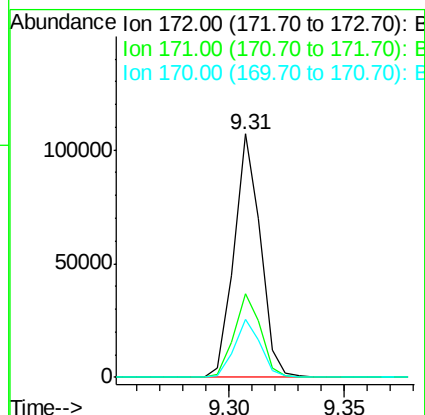
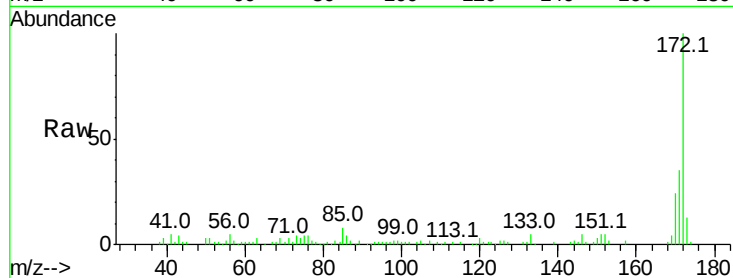




#44
 2-Fluorobiphenyl
 Concen: 4.078 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF107104.D
 Acq: 4 Jul 2018 2:10

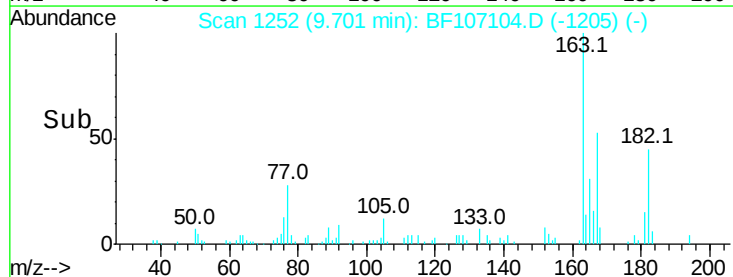
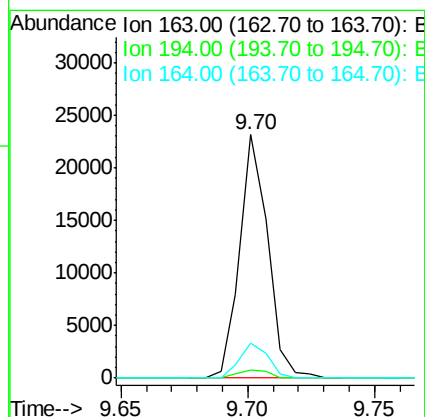
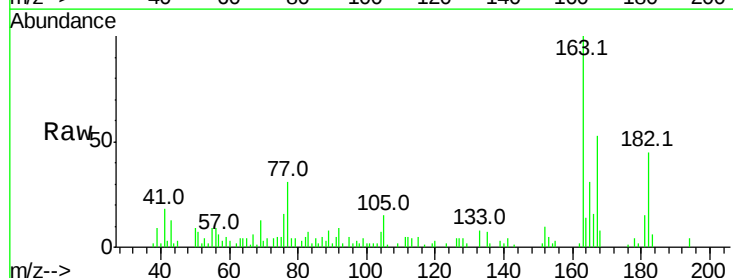
Instrument :
 BNA_F
 ClientSampleId :

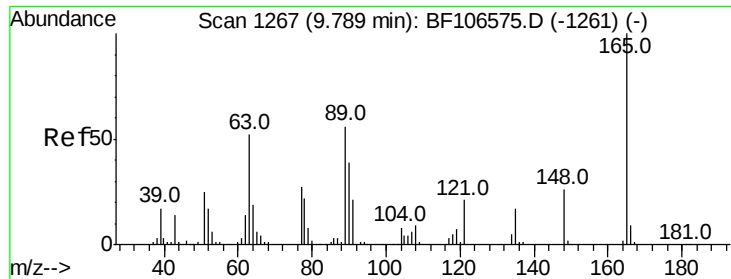
Tot Ion:172 Resp: 85022
 Ion Ratio Lower Upper
 172 100
 171 34.5 29.7 44.5
 170 23.7 19.6 29.4



#49
 Dimethylphthalate
 Concen: 2.993 ng
 RT: 9.70 min Scan# 1252
 Delta R.T. -0.02 min
 Lab File: BF107104.D
 Acq: 4 Jul 2018 2:10

Tgt Ion:163 Resp: 17824
 Ion Ratio Lower Upper
 163 100
 194 3.5 2.7 4.1
 164 14.3 8.2 12.2#

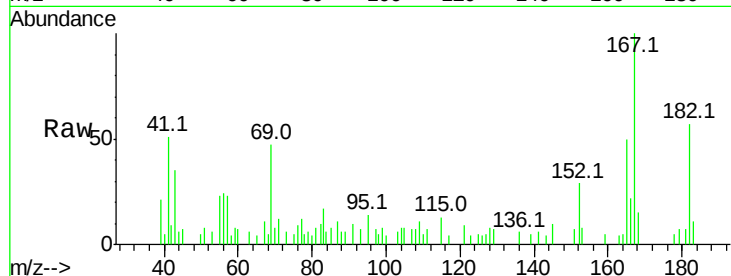




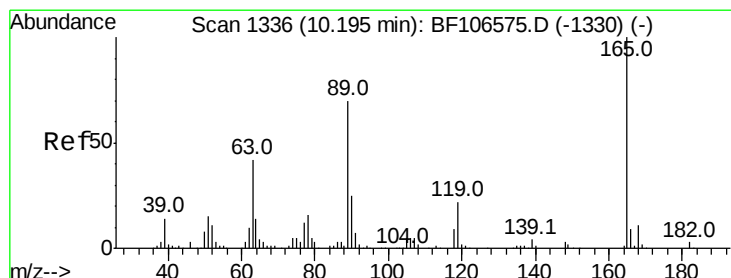
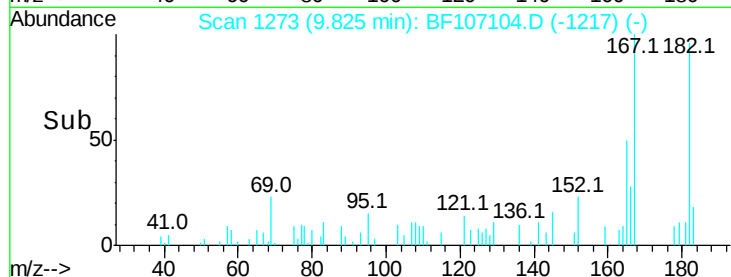
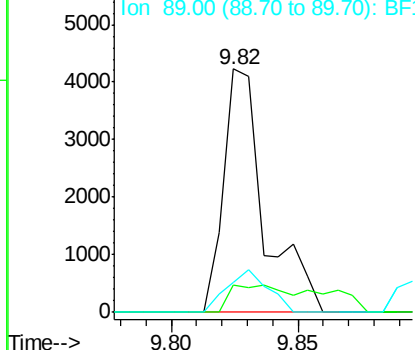
#50
 2,6-Dinitrotoluene
 Concen: 3.775 ng
 RT: 9.82 min Scan# 1273
 Delta R.T. 0.03 min
 Lab File: BF107104.D
 Acq: 4 Jul 2018 2:10

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 4761
 Ion Ratio Lower Upper
 165 100
 63 11.2 44.7 67.1#
 89 12.1 44.0 66.0#

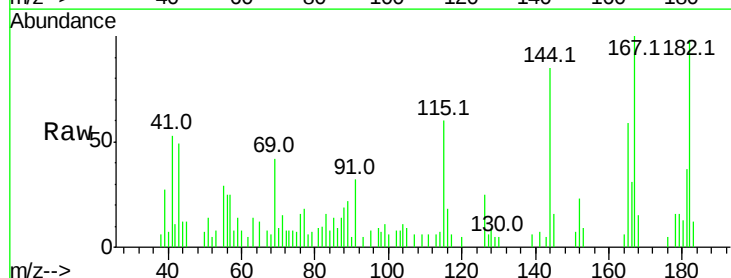


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

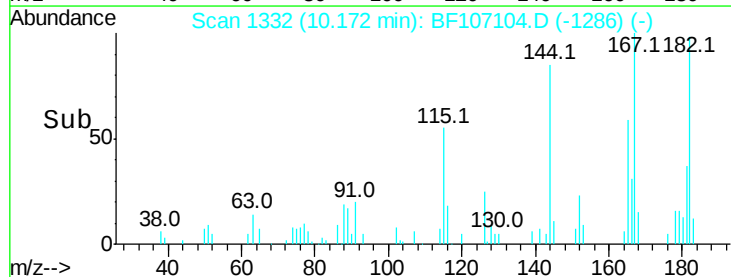
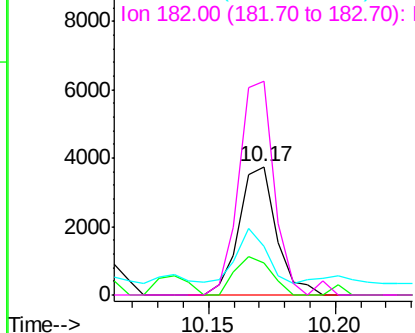


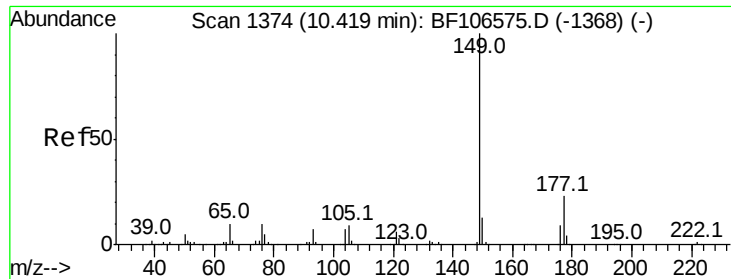
#56
 2,4-Dinitrotoluene
 Concen: 2.348 ng
 RT: 10.17 min Scan# 1332
 Delta R.T. -0.03 min
 Lab File: BF107104.D
 Acq: 4 Jul 2018 2:10

Tgt Ion:165 Resp: 3865
 Ion Ratio Lower Upper
 165 100
 63 24.6 36.4 54.6#
 89 37.8 57.8 86.6#
 182 166.0 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

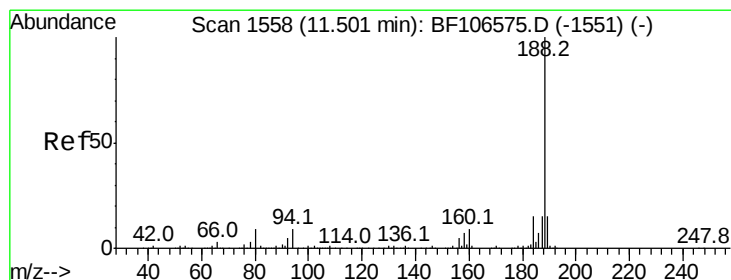
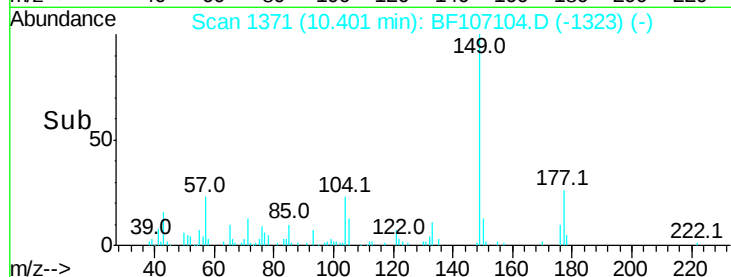
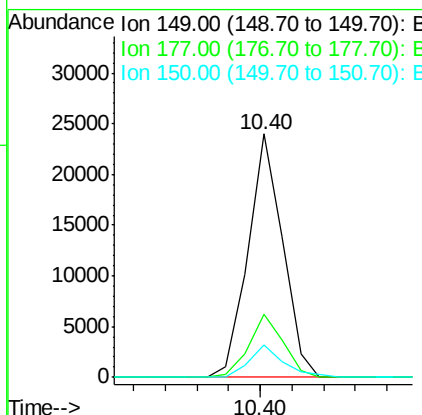
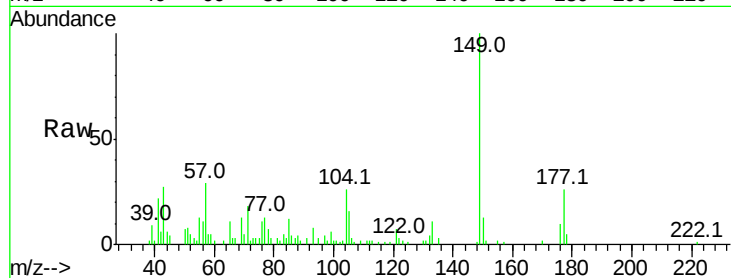




#59
Diethylphthalate
Concen: 3.164 ng
RT: 10.40 min Scan# 1371
Delta R.T. -0.02 min
Lab File: BF107104.D
Acq: 4 Jul 2018 2:10

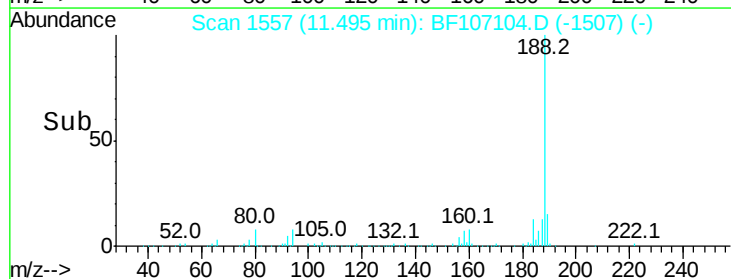
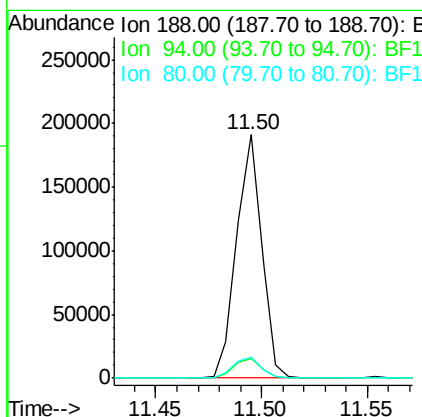
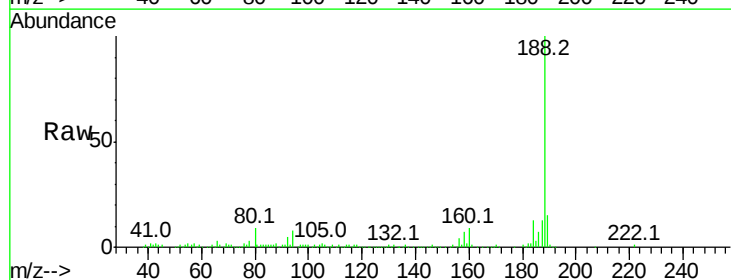
Instrument :
BNA_F
ClientSampleId :

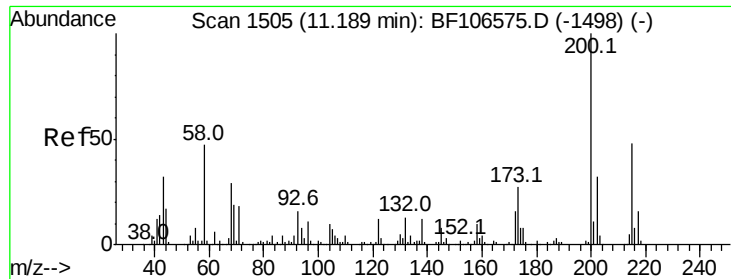
Tot Ion:149 Resp: 18189
Ion Ratio Lower Upper
149 100
177 25.9 16.1 24.1#
150 13.3 10.1 15.1



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF107104.D
Acq: 4 Jul 2018 2:10

Tgt Ion:188 Resp: 157601
Ion Ratio Lower Upper
188 100
94 8.0 8.5 12.7#
80 8.5 9.2 13.8#

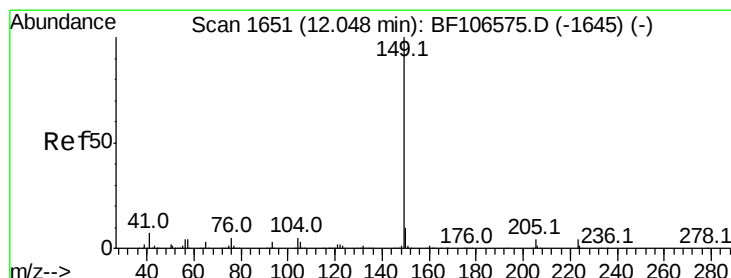
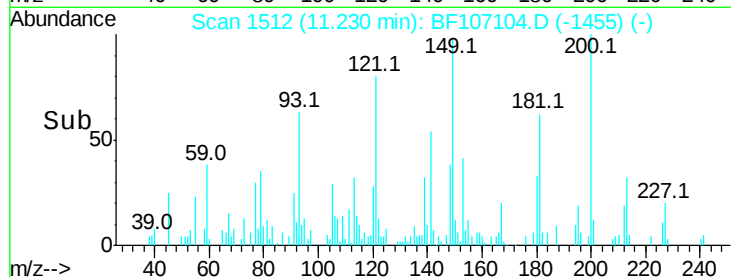
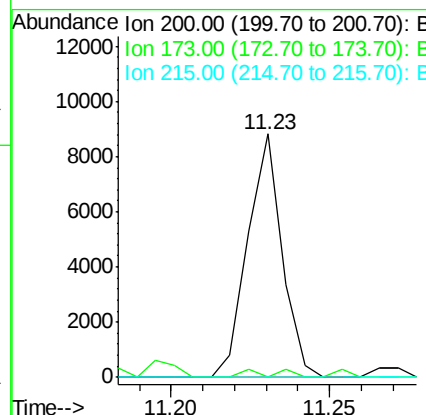
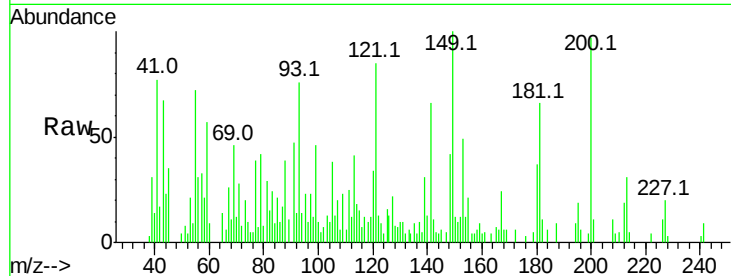




#68
 Atrazine
 Concen: 3.918 ng
 RT: 11.23 min Scan# 1512
 Delta R.T. 0.04 min
 Lab File: BF107104.D
 Acq: 4 Jul 2018 2:10

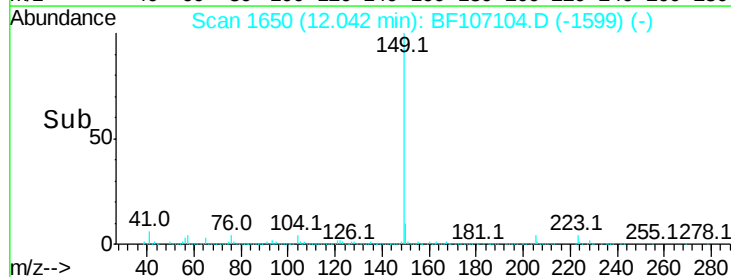
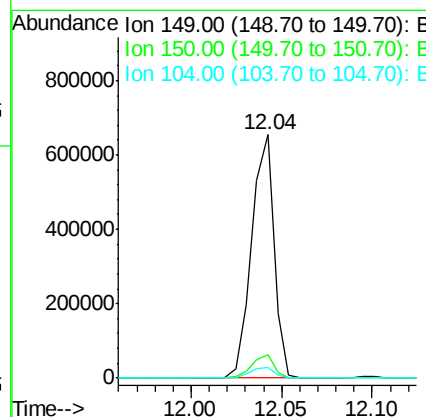
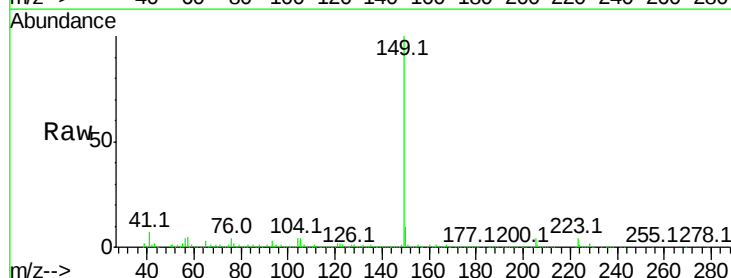
Instrument :
 BNA_F
 ClientSampleId :

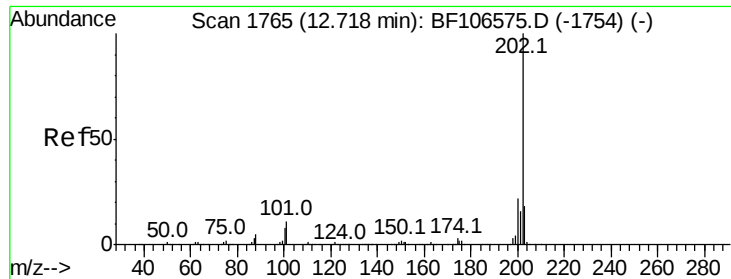
Tot Ion:200 Resp: 6602
 Ion Ratio Lower Upper
 200 100
 173 0.0 8.6 48.6#
 215 0.0 25.1 65.1#



#73
 Di-n-butylphthalate
 Concen: 65.677 ng
 RT: 12.04 min Scan# 1650
 Delta R.T. -0.00 min
 Lab File: BF107104.D
 Acq: 4 Jul 2018 2:10

Tgt Ion:149 Resp: 562051
 Ion Ratio Lower Upper
 149 100
 150 9.5 7.8 11.6
 104 4.4 3.8 5.8





#74

Fluoranthene

Concen: 2.207 ng

RT: 12.72 min Scan# 1765

Delta R.T. -0.00 min

Lab File: BF107104.D

Acq: 4 Jul 2018 2:10

Instrument :

BNA_F

ClientSampleId :

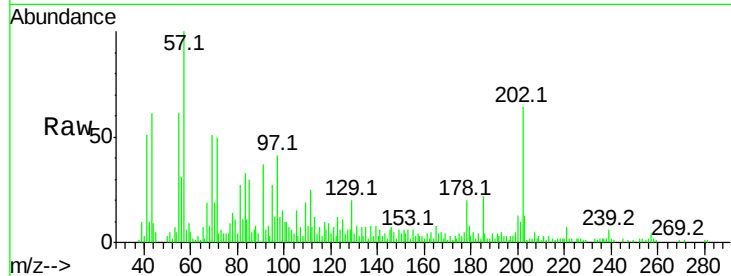
Tot Ion:202 Resp: 18495

Ion Ratio Lower Upper

202 100

101 16.1 0.0 34.1

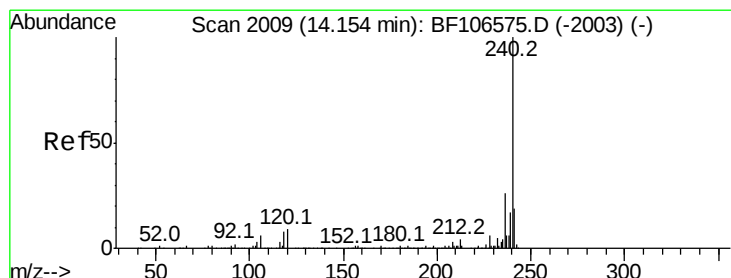
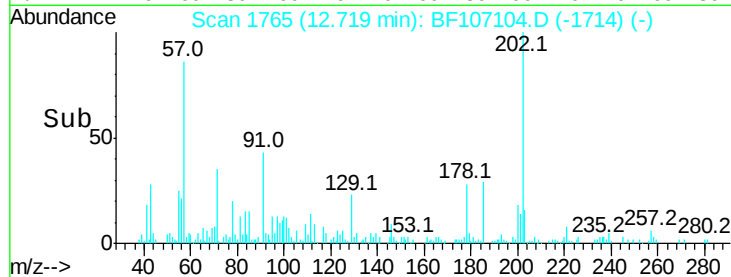
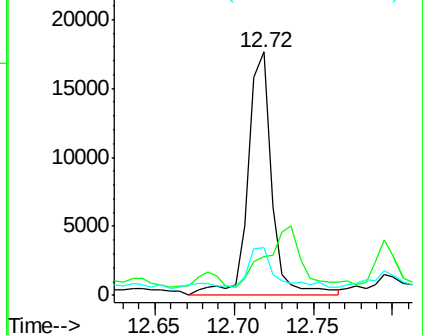
203 19.8 0.0 38.1



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: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF107104.D

Acq: 4 Jul 2018 2:10

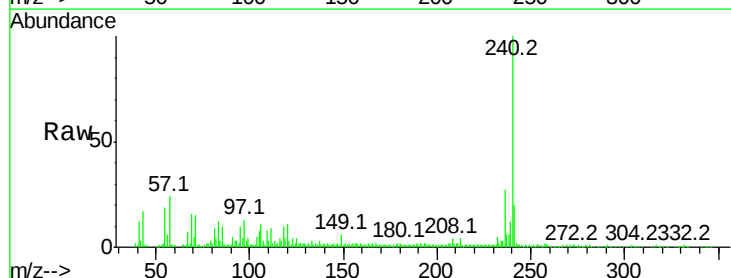
Tgt Ion:240 Resp: 117726

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

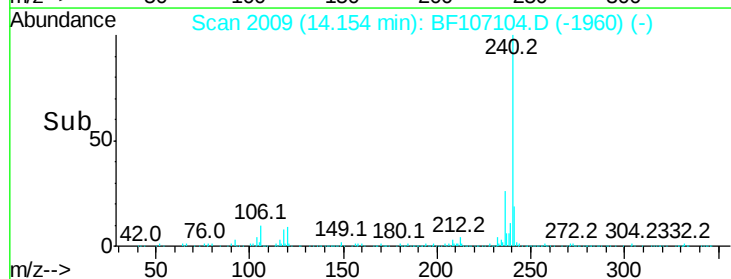
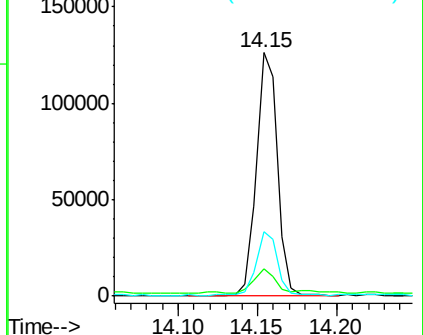
236 26.7 20.7 31.1

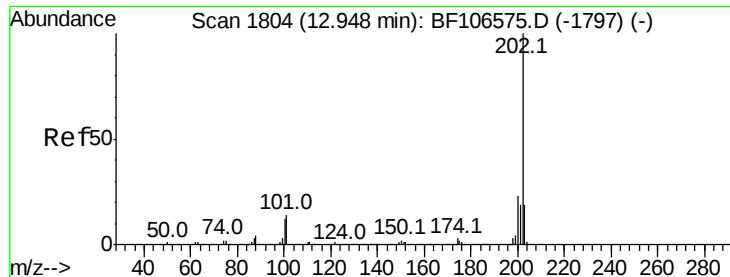


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.382 ng

RT: 12.72 min Scan# 1765

Delta R.T. -0.23 min

Lab File: BF107104.D

Acq: 4 Jul 2018 2:10

Instrument :

BNA_F

ClientSampled :

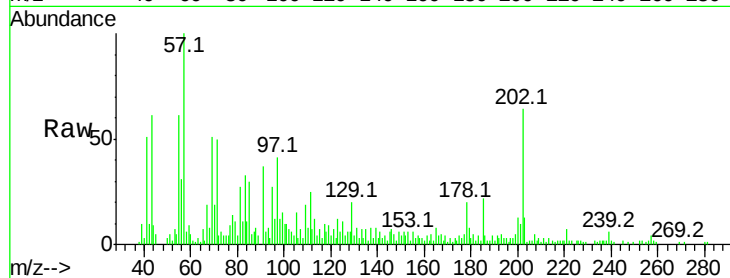
Tot Ion:202 Resp: 18495

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

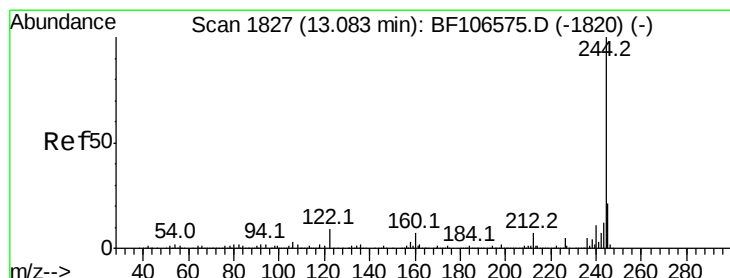
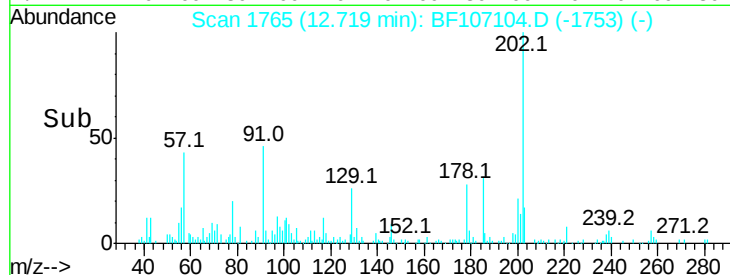
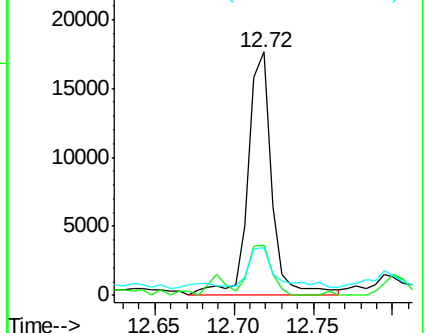
203 19.8 14.3 21.5



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: 21.959 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF107104.D

Acq: 4 Jul 2018 2:10

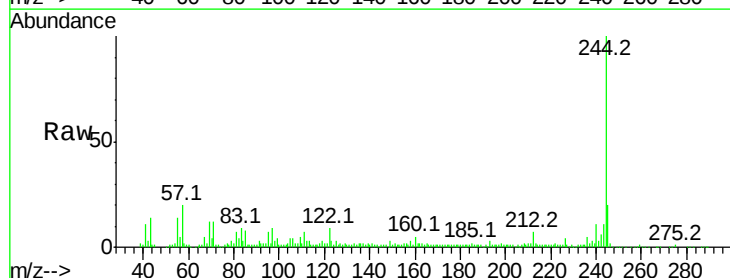
Tgt Ion:244 Resp: 106722

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

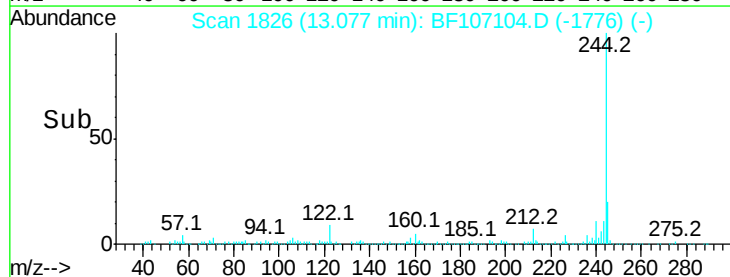
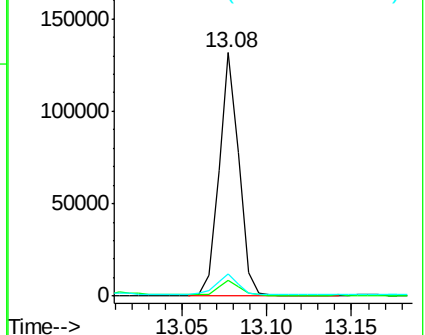
122 9.3 11.0 16.4

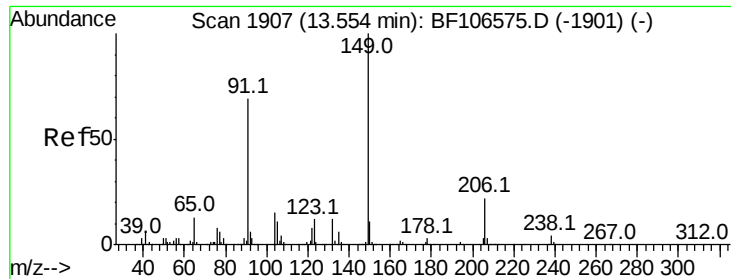


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

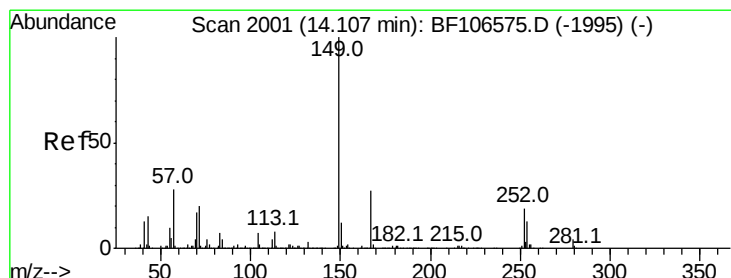
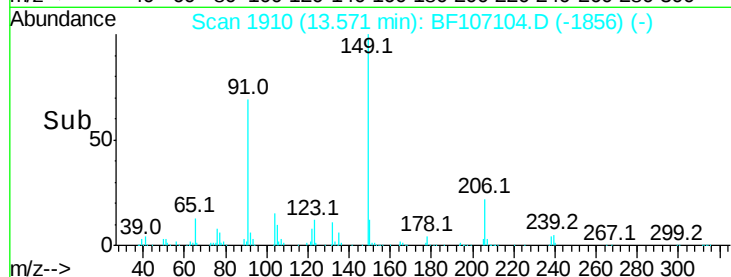
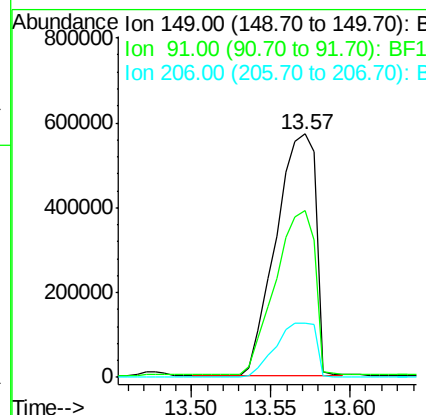
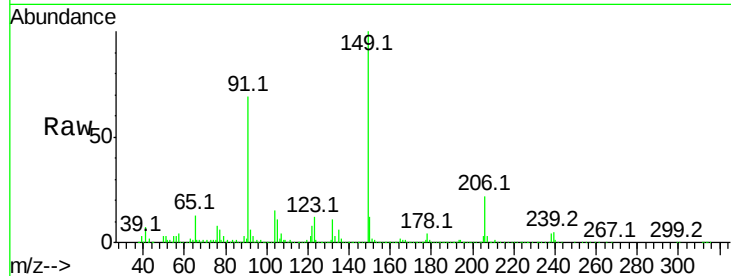




#79
 Butylbenzylphthalate
 Concen: 314.077 ng
 RT: 13.57 min Scan# 1910
 Delta R.T. 0.02 min
 Lab File: BF107104.D
 Acq: 4 Jul 2018 2:10

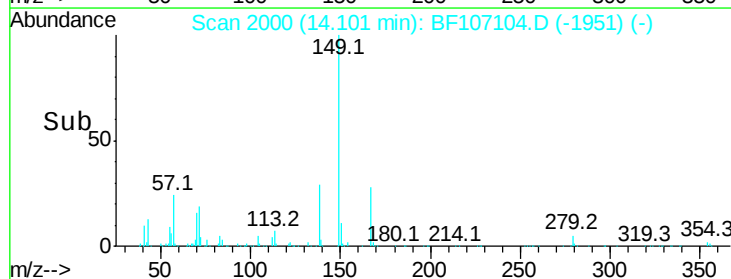
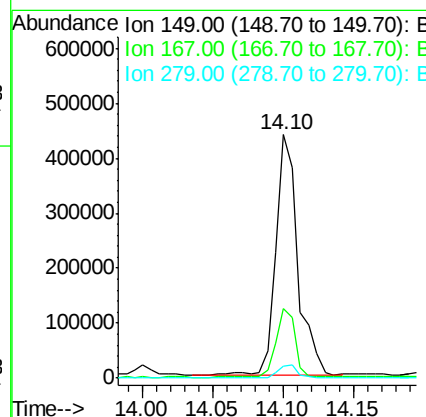
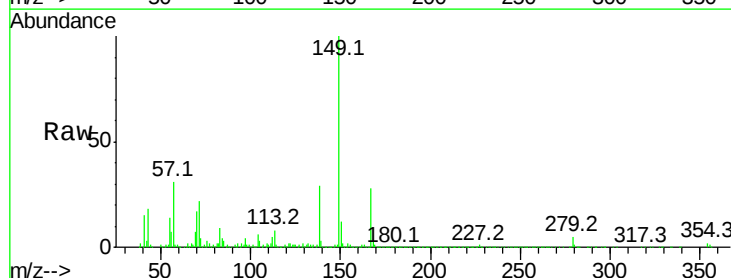
Instrument :
 BNA_F
 ClientSampleId :

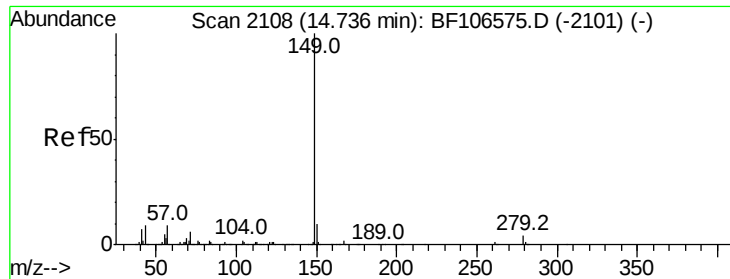
Tot Ion:149 Resp: 1002487
 Ion Ratio Lower Upper
 149 100
 91 68.6 56.8 85.2
 206 22.1 14.1 21.1#



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 118.124 ng
 RT: 14.10 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF107104.D
 Acq: 4 Jul 2018 2:10

Tgt Ion:149 Resp: 482027
 Ion Ratio Lower Upper
 149 100
 167 28.5 21.3 31.9
 279 4.8 3.0 4.4#

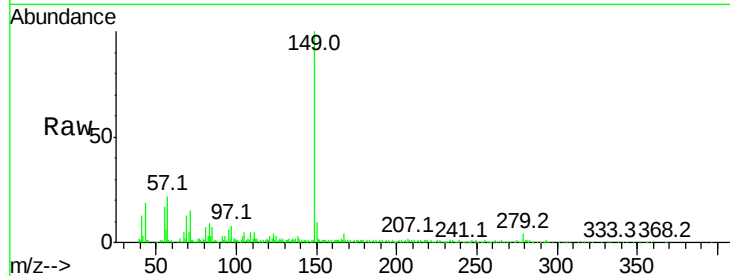




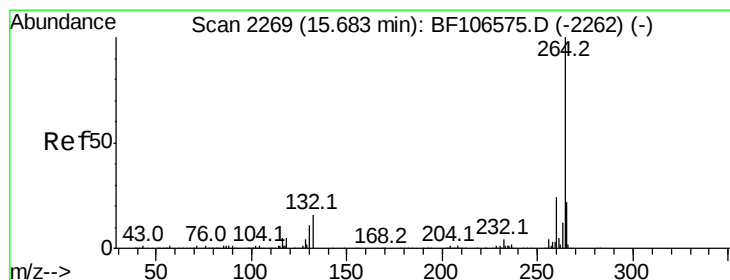
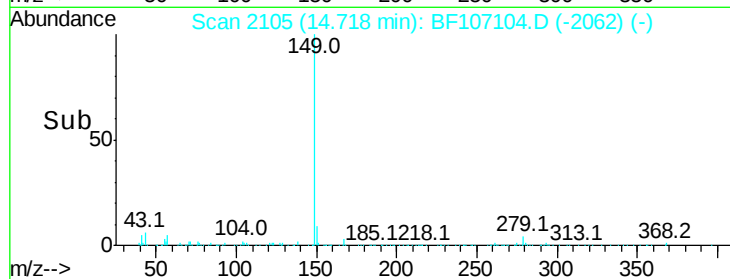
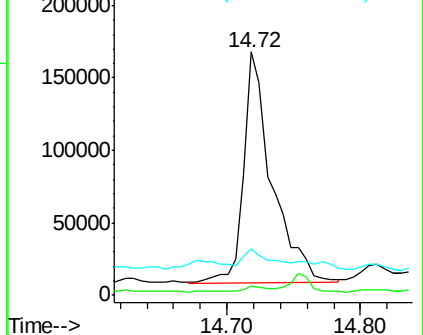
#84
Di-n-octyl phthalate
Concen: 35.114 ng
RT: 14.72 min Scan# 2105
Delta R.T. -0.05 min
Lab File: BF107104.D
Acq: 4 Jul 2018 2:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	2.9	1.2	1.8#
43	12.0	8.4	12.6

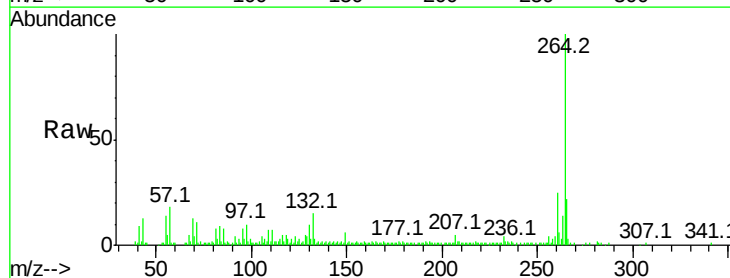


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2272
Delta R.T. -0.02 min
Lab File: BF107104.D
Acq: 4 Jul 2018 2:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.2	28.8
265	21.9	17.5	26.3



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

