

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111017\
 Data File : BF100414.D
 Acq On : 11 Nov 2017 2:07
 Operator : SJ/JU
 Sample : I6366-02
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 13 07:15:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 10 15:44:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	151044	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	562777	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	257938	20.00	ng	0.00
63) Phenanthrene-d10	11.43	188	368683	20.00	ng	0.00
75) Chrysene-d12	14.06	240	317238	20.00	ng	0.00
86) Perylene-d12	15.55	264	240006	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	442849	47.00	ng	0.01
7) Phenol-d6	6.53	99	500579	43.08	ng	0.00
23) Nitrobenzene-d5	7.47	82	838846	98.55	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	284245	108.14	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1470785	86.83	ng	0.00
78) Terphenyl-d14	13.02	244	1050541	76.09	ng	0.00

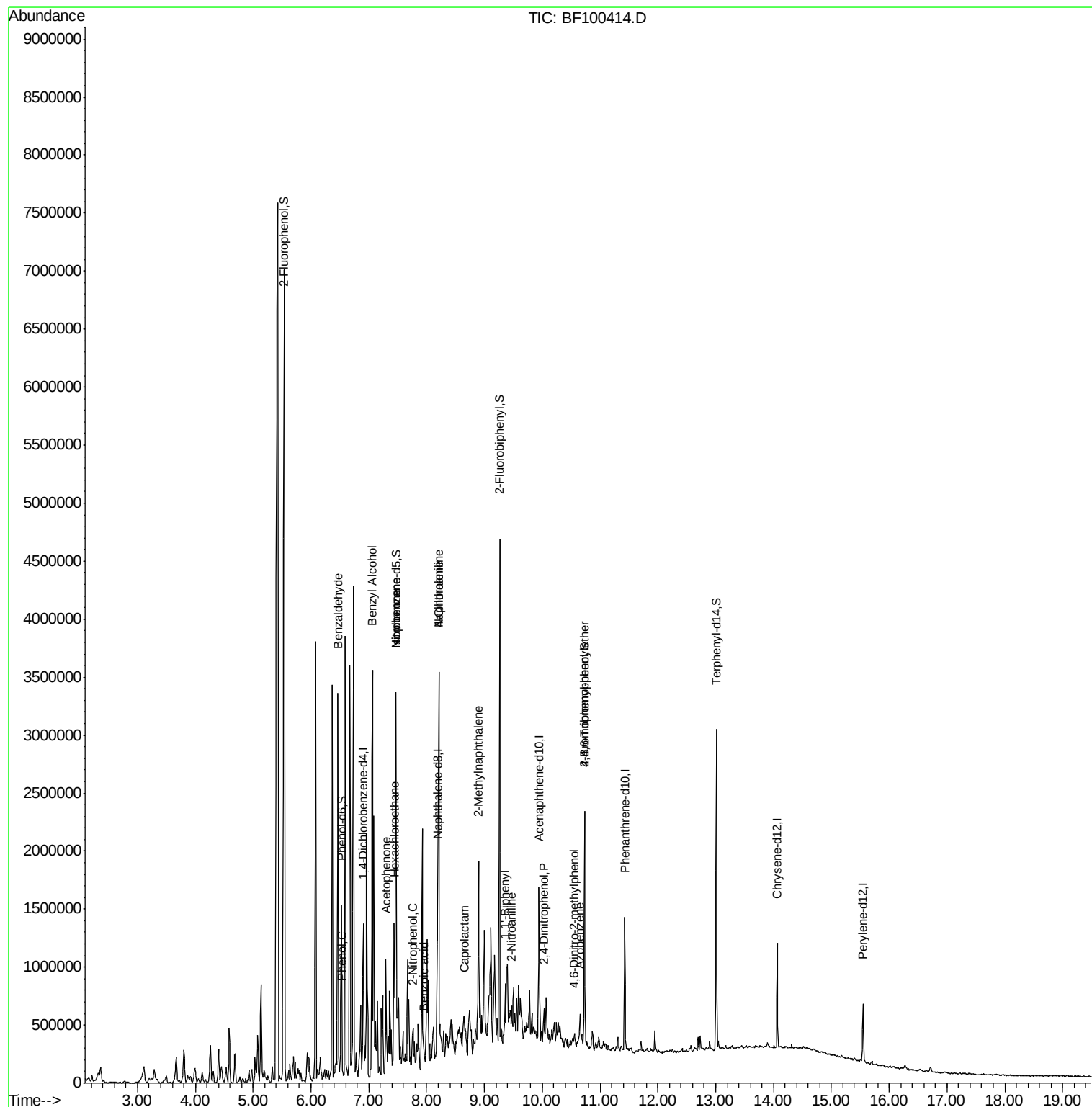
Target Compounds				Qvalue		
9) Benzaldehyde	6.46	77	127795	15.401	ng	# 1
10) Phenol	6.54	94	26803	2.197	ng	97
15) Benzyl Alcohol	7.06	79	20746	2.288	ng	# 30
18) Hexachloroethane	7.43	117	126957	33.103	ng	# 20
22) Acetophenone	7.29	105	384152	27.993	ng	# 58
24) Nitrobenzene	7.47	77	21335	2.435	ng	# 5
25) Isophorone	7.47	82	819908	45.836	ng	# 64
26) 2-Nitrophenol	7.77	139	842	5.561	ng	# 1
31) Naphthalene	8.21	128	1413993	52.165	ng	99
32) Benzoic acid	7.96	122	23103	12.399	ng	# 24
33) 4-Chloroaniline	8.21	127	207306	18.373	ng	# 34
35) Caprolactam	8.65	113	5332	2.030	ng	# 1
37) 2-Methylnaphthalene	8.90	142	357221	19.850	ng	98
45) 1,1'-Biphenyl	9.36	154	52661	2.361	ng	97
47) 2-Nitroaniline	9.47	65	3030	3.381	ng	# 33
53) 2,4-Dinitrophenol	10.02	184	594	8.297	ng	# 1
62) Azobenzene	10.65	77	49978	2.692	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.56	198	477	8.780	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	17974	4.548	ng	# 1

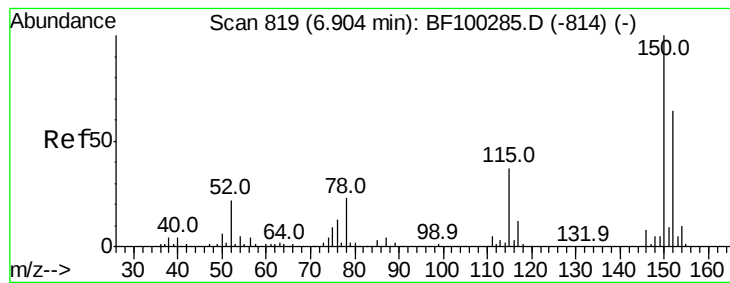
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF111017\
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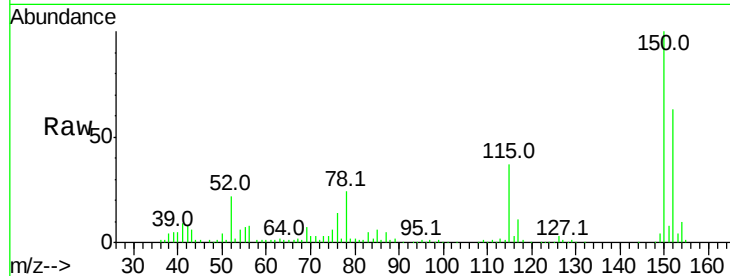


#1

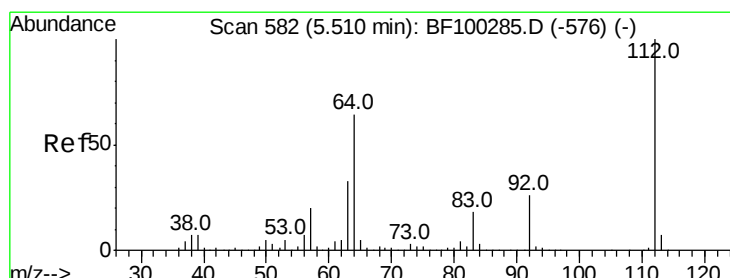
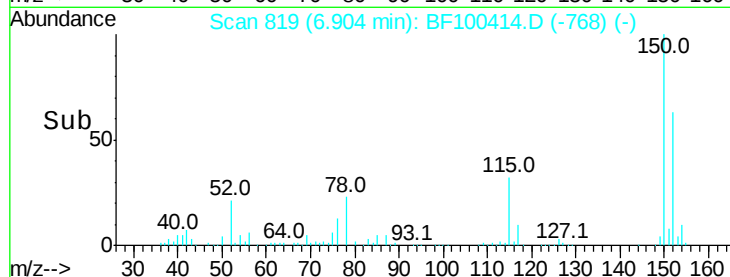
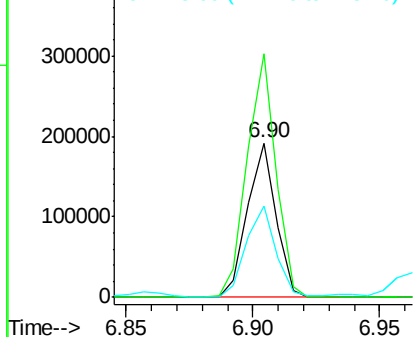
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BF100414.D
Acq: 11 Nov 2017 2:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 151044
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 59.0 50.1 75.1



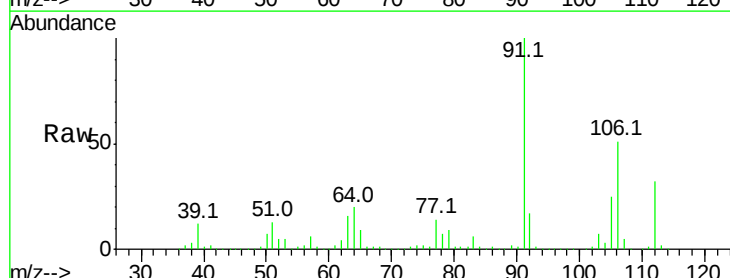
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



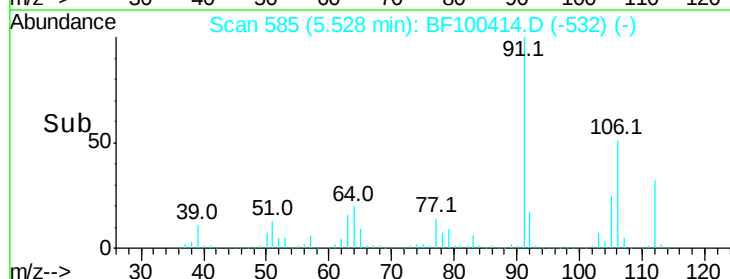
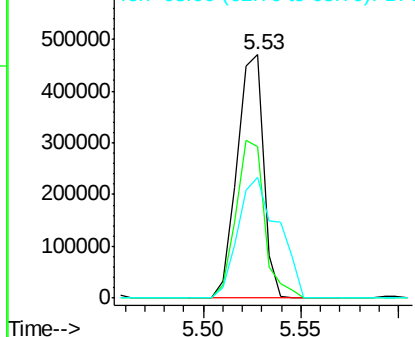
#5

2-Fluorophenol
Concen: 46.998 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.01 min
Lab File: BF100414.D
Acq: 11 Nov 2017 2:07

Tgt Ion:112 Resp: 442849
Ion Ratio Lower Upper
112 100
64 62.0 47.9 71.9
63 49.5 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: 43.081 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.00 min

Lab File: BF100414.D

Acq: 11 Nov 2017 2:07

Instrument :

BNA_F

ClientSampleId :

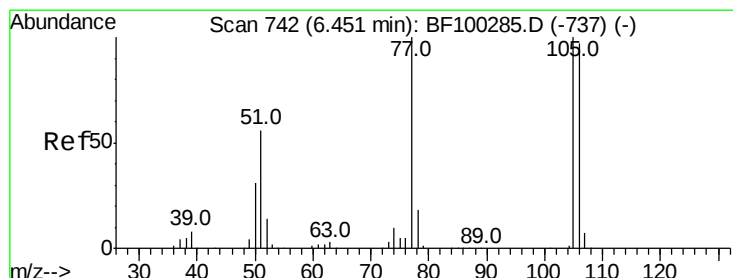
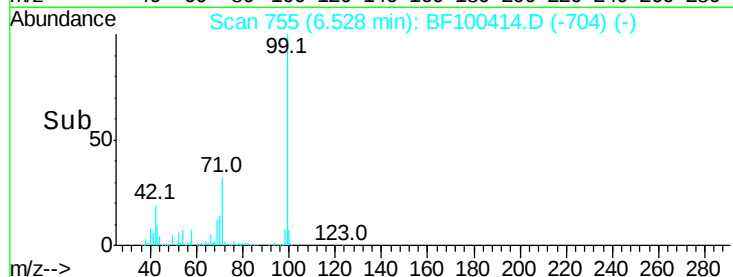
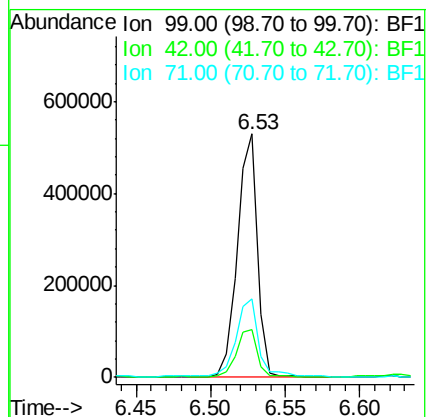
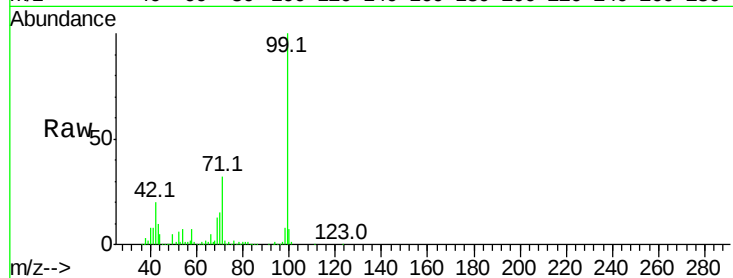
Tot Ion: 99 Resp: 500579

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

71 32.1 25.4 38.0



#9

Benzaldehyde

Concen: 15.401 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF100414.D

Acq: 11 Nov 2017 2:07

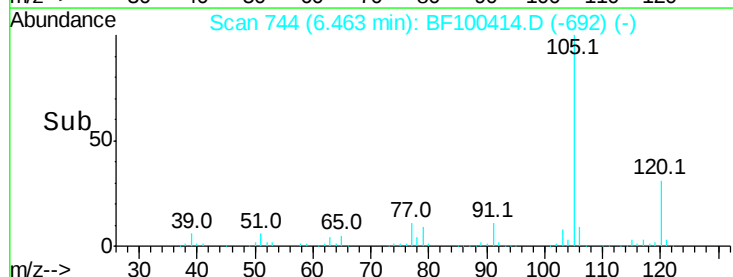
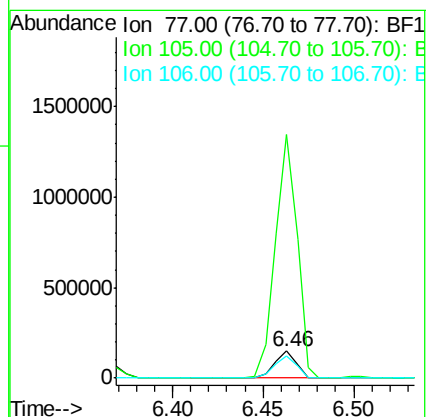
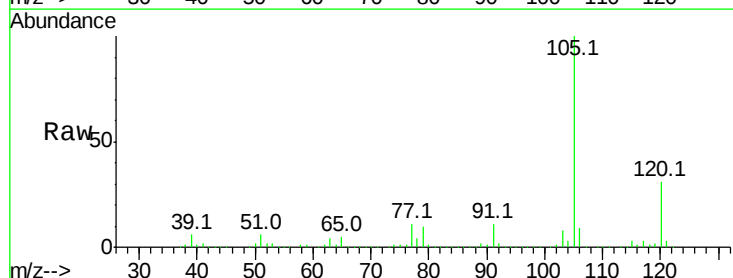
Tgt Ion: 77 Resp: 127795

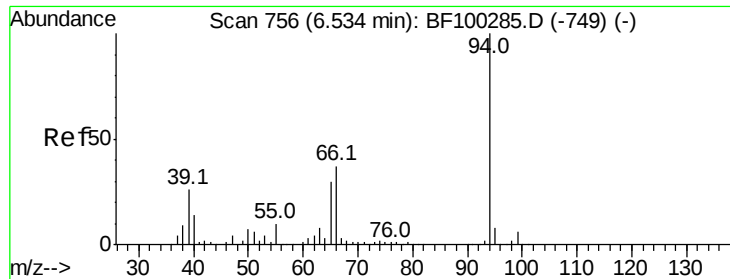
Ion Ratio Lower Upper

77 100

105 899.2 81.1 121.1#

106 82.3 74.5 114.5





#10

Phenol

Concen: 2.197 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.00 min

Lab File: BF100414.D

Acq: 11 Nov 2017 2:07

Instrument :

BNA_F

ClientSampleId :

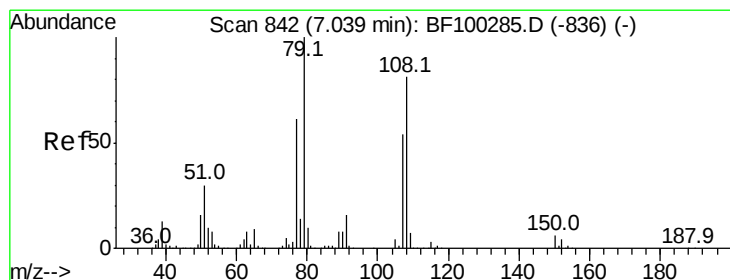
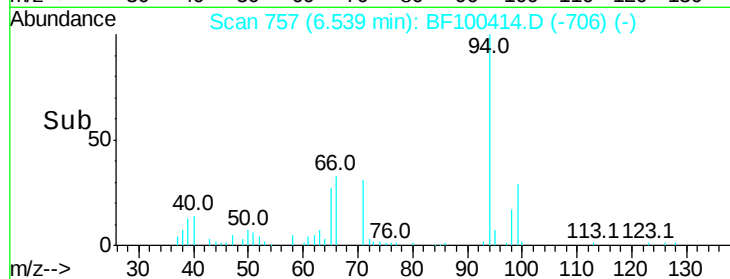
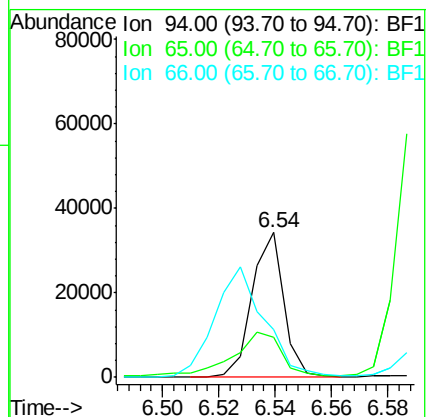
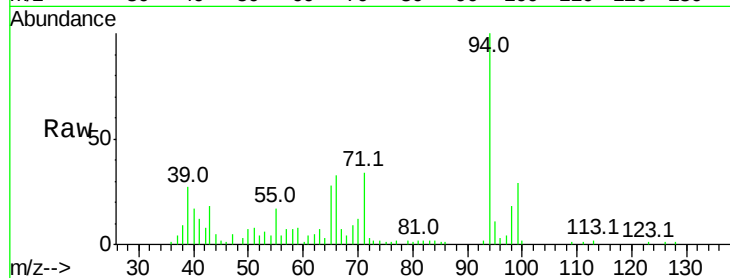
Tot Ion: 94 Resp: 26803

Ion Ratio Lower Upper

94 100

65 28.1 7.9 47.9

66 33.0 16.2 56.2



#15

Benzyl Alcohol

Concen: 2.288 ng

RT: 7.06 min Scan# 846

Delta R.T. 0.02 min

Lab File: BF100414.D

Acq: 11 Nov 2017 2:07

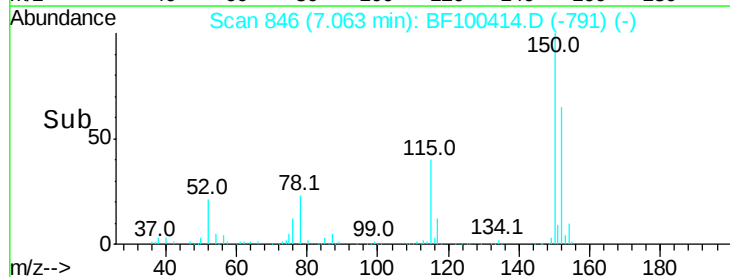
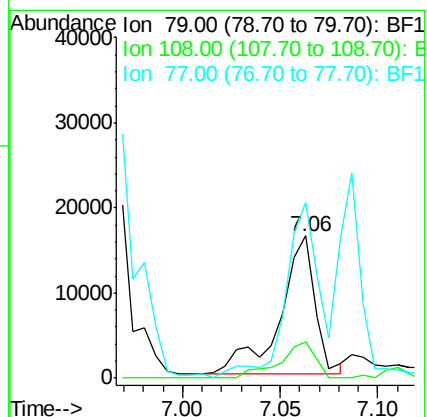
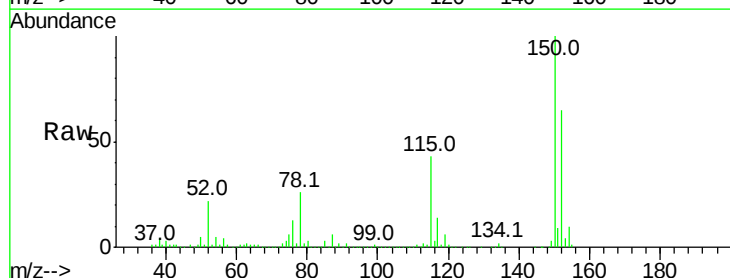
Tgt Ion: 79 Resp: 20746

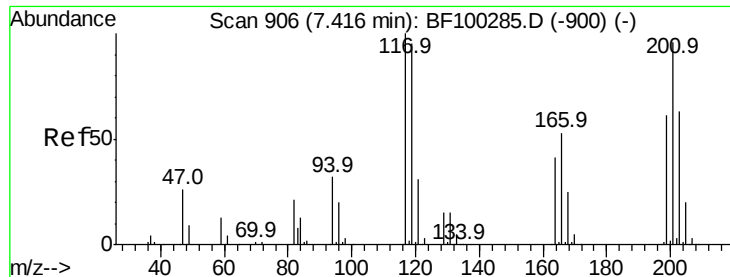
Ion Ratio Lower Upper

79 100

108 25.1 65.1 97.7#

77 124.0 50.6 75.8#

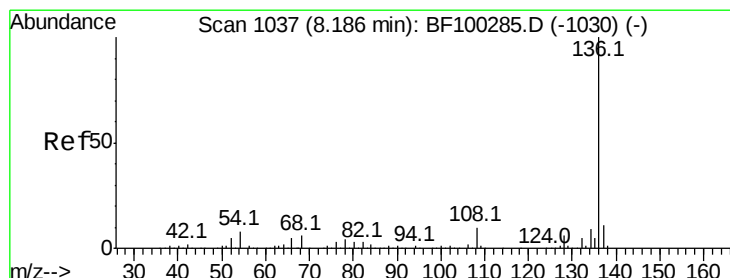
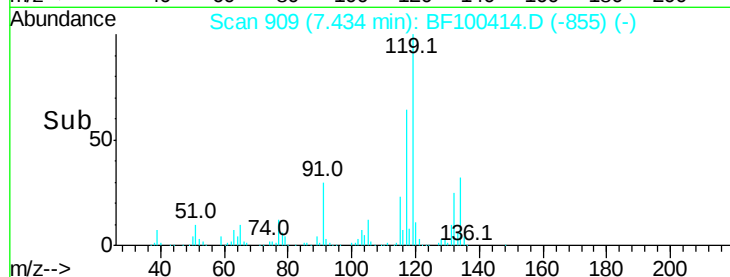
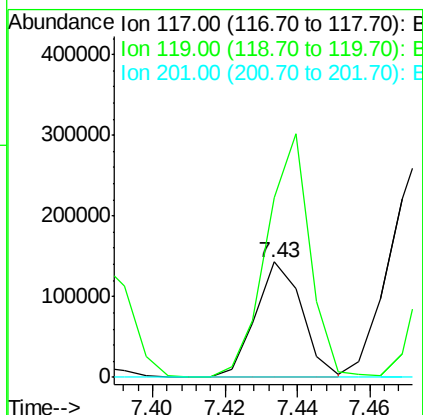
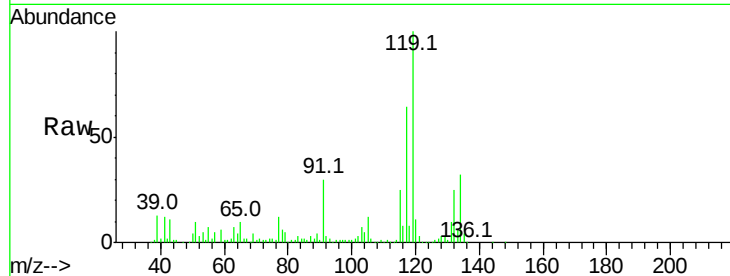




#18
Hexachloroethane
Concen: 33.103 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.02 min
Lab File: BF100414.D
Acq: 11 Nov 2017 2:07

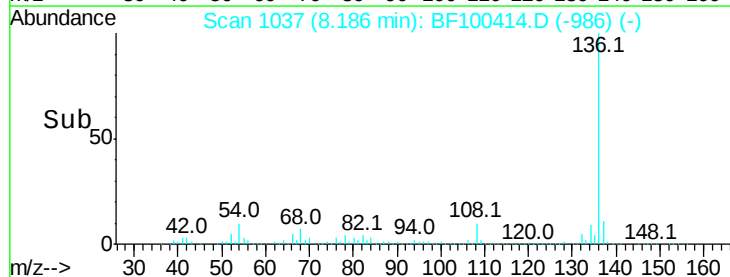
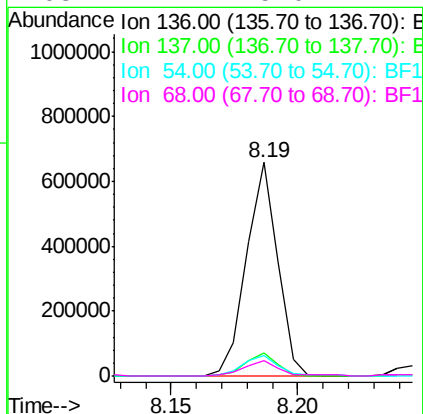
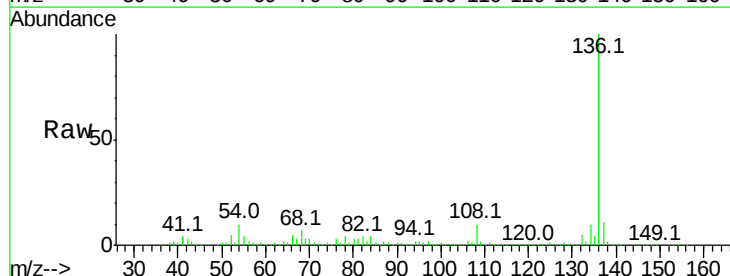
Instrument :
BNA_F
ClientSampled :

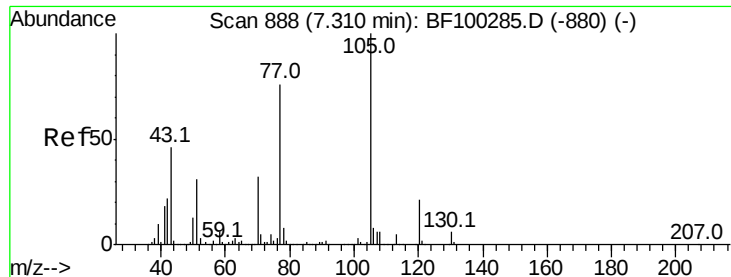
Tot Ion:117 Resp: 126957
Ion Ratio Lower Upper
117 100
119 155.9 75.8 113.8#
201 0.0 75.7 113.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BF100414.D
Acq: 11 Nov 2017 2:07

Tgt Ion:136 Resp: 562777
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 9.9 6.6 9.8#
68 7.1 5.0 7.4





#22

Acetophenone

Concen: 27.993 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.02 min

Lab File: BF100414.D

Acq: 11 Nov 2017 2:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 384152

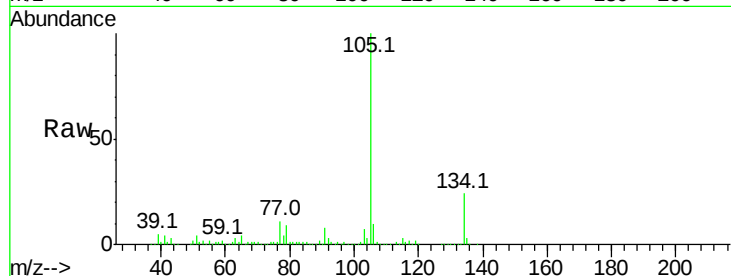
Ion Ratio Lower Upper

105 100

71 0.4 4.4 6.6#

51 4.5 22.3 33.5#

120 0.3 16.9 25.3#

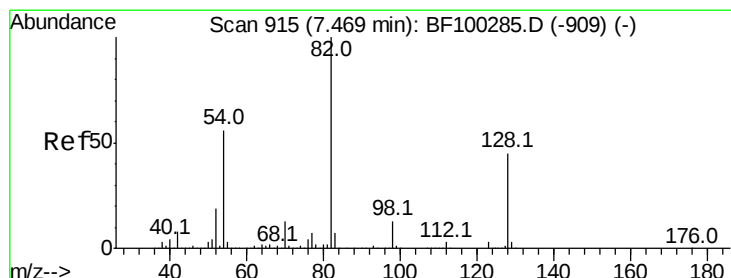
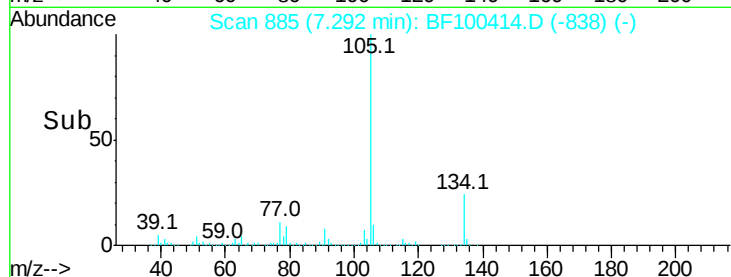
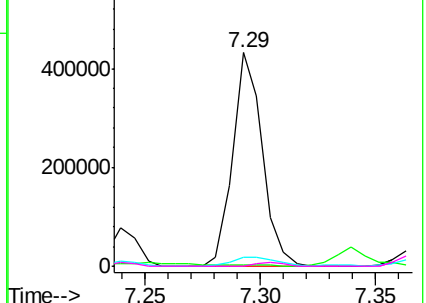


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 98.545 ng

RT: 7.47 min Scan# 915

Delta R.T. -0.00 min

Lab File: BF100414.D

Acq: 11 Nov 2017 2:07

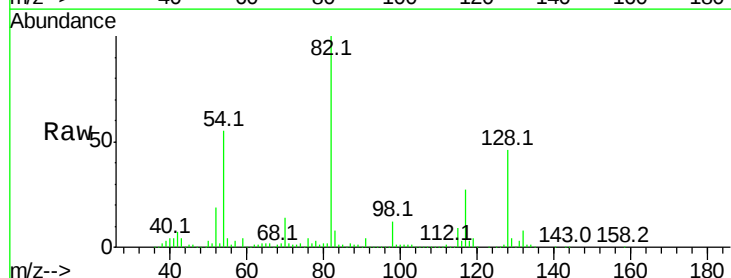
Tgt Ion: 82 Resp: 838846

Ion Ratio Lower Upper

82 100

128 45.6 36.1 54.1

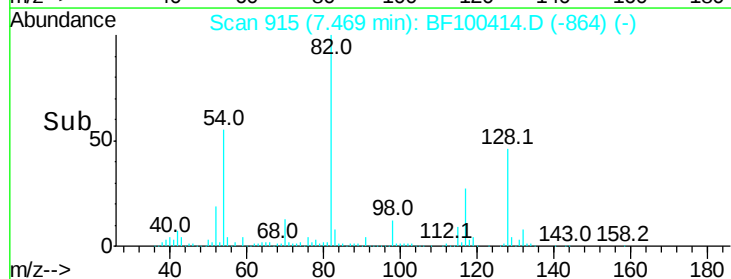
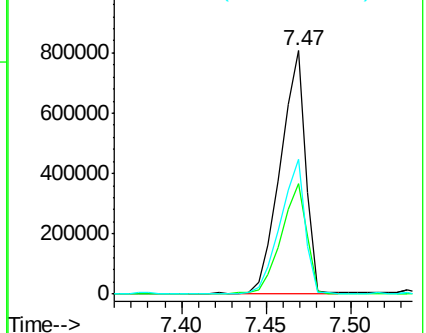
54 55.2 41.4 62.2

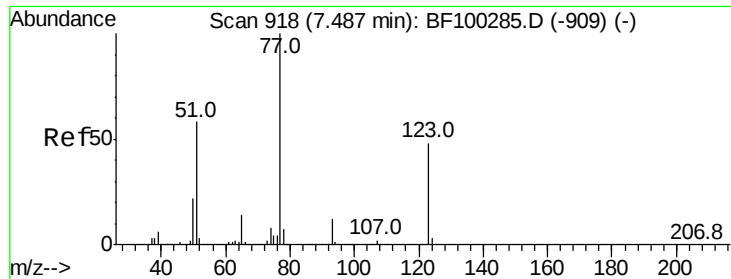


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

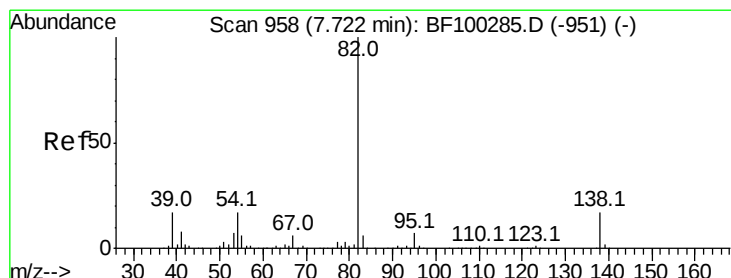
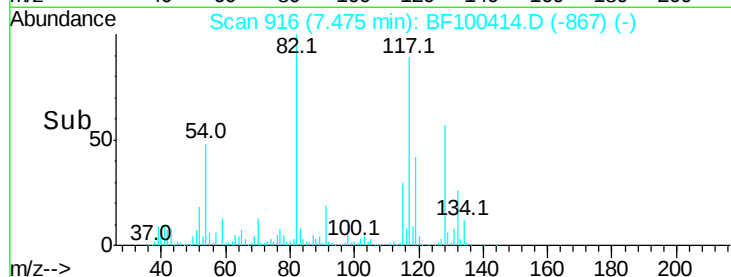
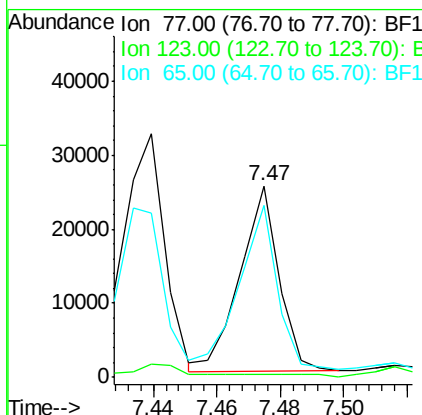
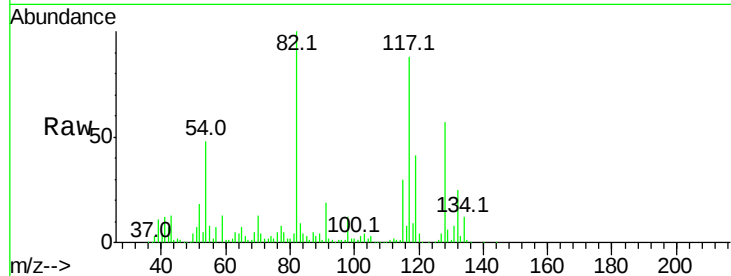




#24
 Nitrobenzene
 Concen: 2.435 ng
 RT: 7.47 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: BF100414.D
 Acq: 11 Nov 2017 2:07

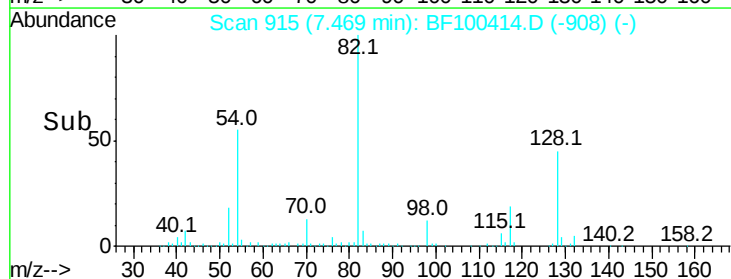
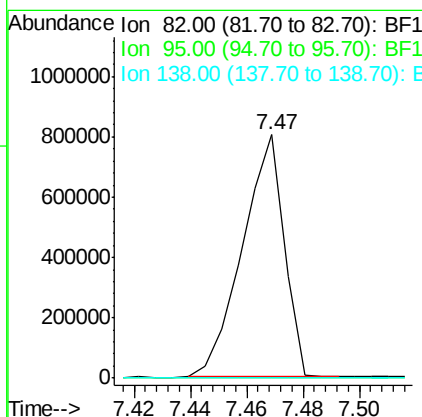
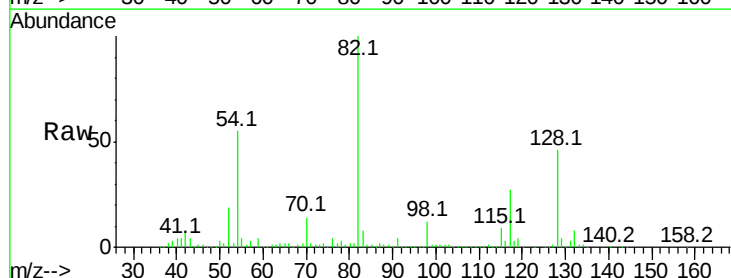
Instrument :
 BNA_F
 ClientSampleId :

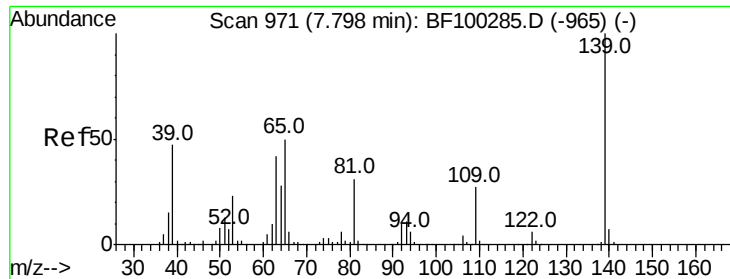
Tot Ion: 77 Resp: 21335
 Ion Ratio Lower Upper
 77 100
 123 1.8 37.9 56.9#
 65 89.7 11.0 16.4#



#25
 Isophorone
 Concen: 45.836 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.26 min
 Lab File: BF100414.D
 Acq: 11 Nov 2017 2:07

Tgt Ion: 82 Resp: 819908
 Ion Ratio Lower Upper
 82 100
 95 0.2 5.2 7.8#
 138 0.0 14.9 22.3#





#26

2-Nitrophenol

Concen: 5.561 ng

RT: 7.77 min Scan# 967

Delta R.T. -0.02 min

Lab File: BF100414.D

Acq: 11 Nov 2017 2:07

Instrument :

BNA_F

ClientSampleId :

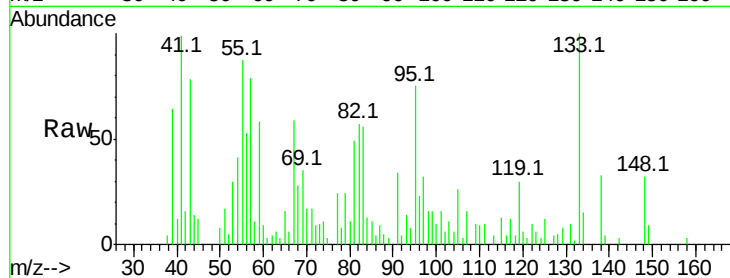
Tot Ion:139 Resp: 842

Ion Ratio Lower Upper

139 100

109 234.9 22.7 34.1#

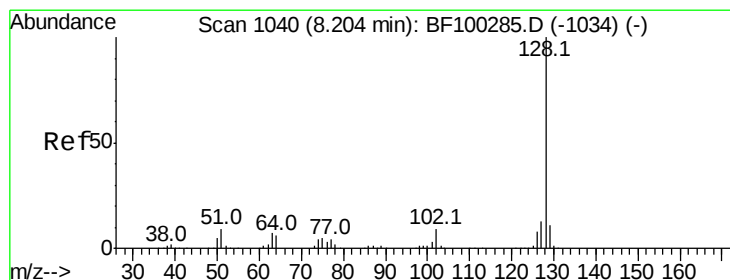
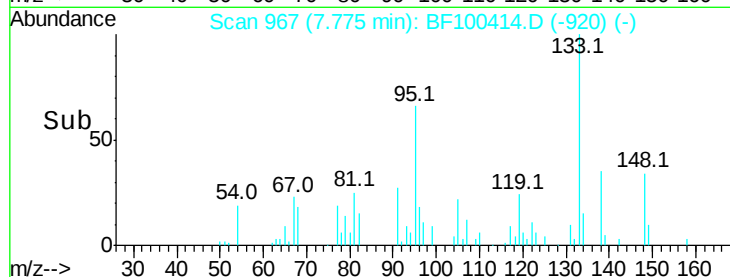
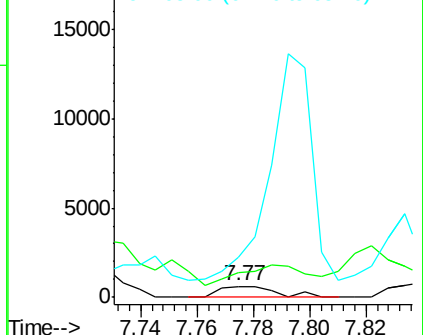
65 378.1 40.5 60.7#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#31

Naphthalene

Concen: 52.165 ng

RT: 8.21 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BF100414.D

Acq: 11 Nov 2017 2:07

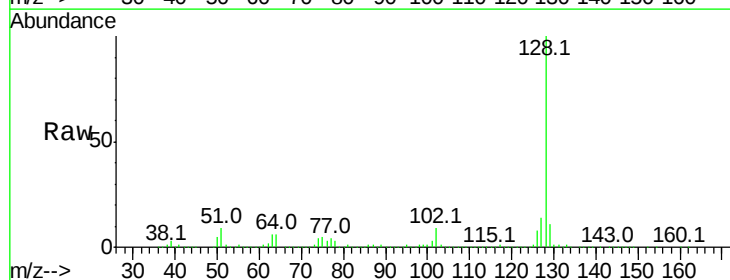
Tgt Ion:128 Resp: 1413993

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

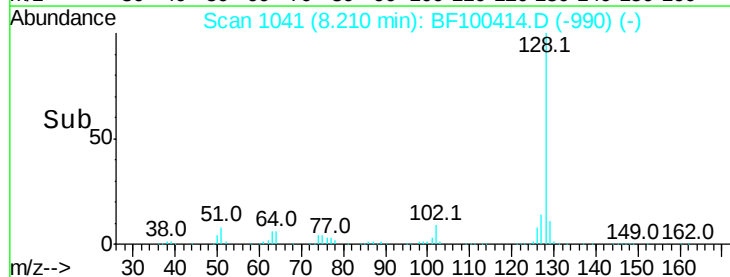
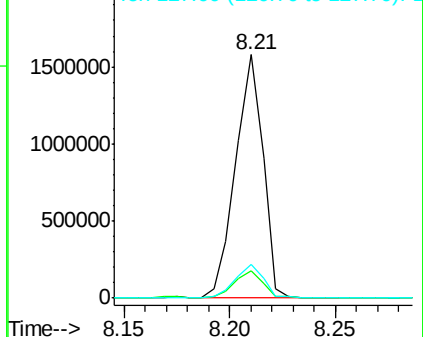
127 13.8 10.9 16.3

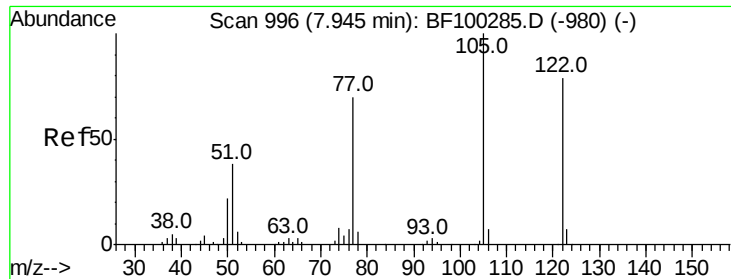


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

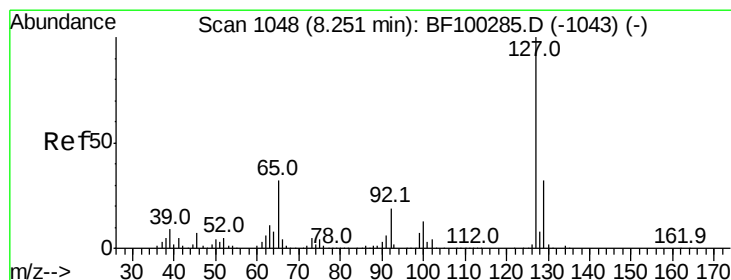
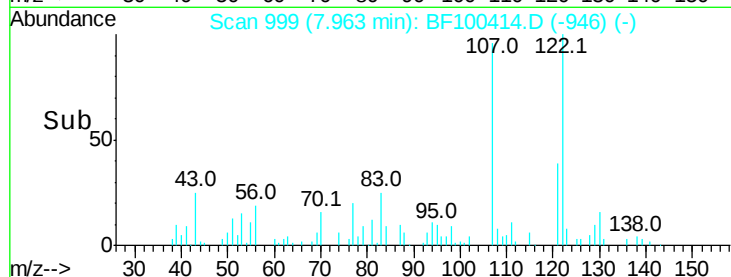
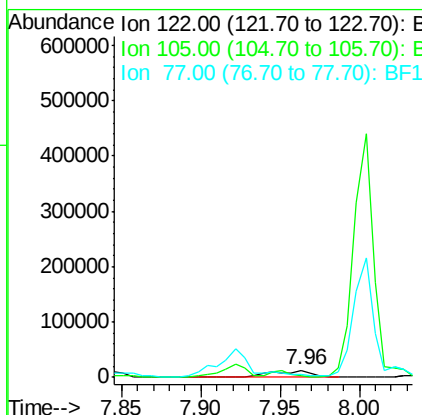
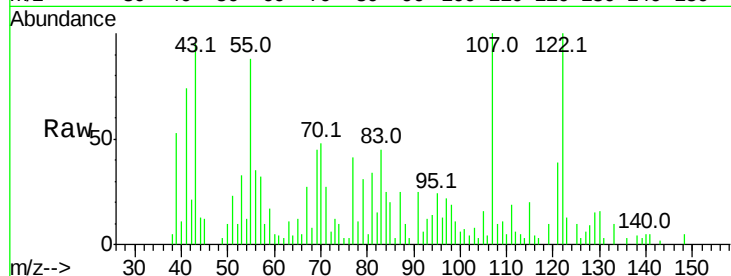




#32
Benzoic acid
Concen: 12.399 ng
RT: 7.96 min Scan# 999
Delta R.T. 0.01 min
Lab File: BF100414.D
Acq: 11 Nov 2017 2:07

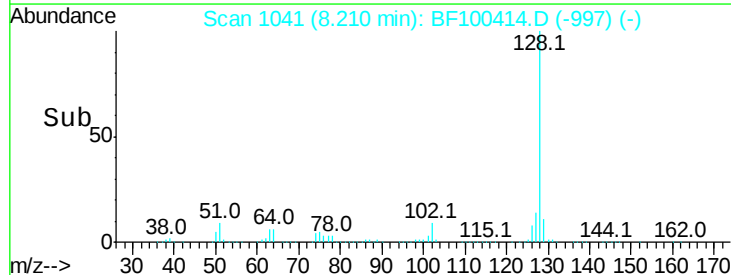
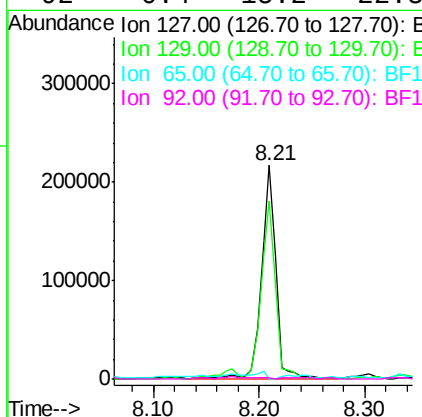
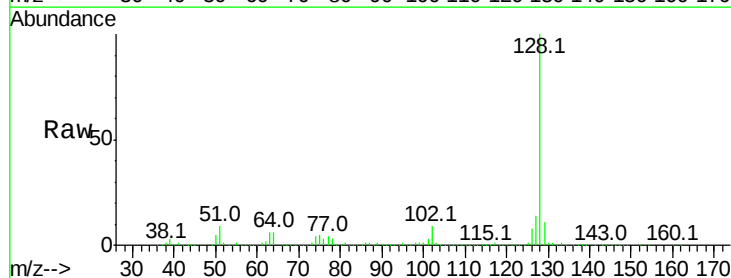
Instrument :
BNA_F
ClientSampleId :

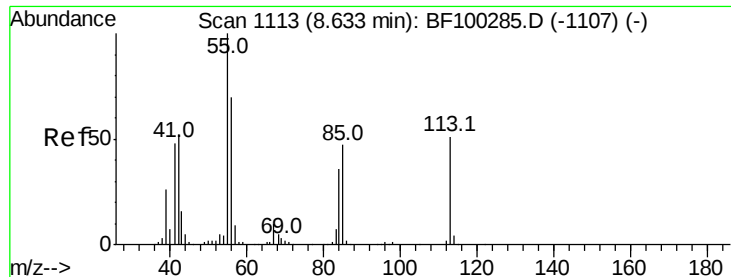
Tot Ion:122 Resp: 23103
Ion Ratio Lower Upper
122 100
105 16.4 101.1 141.1#
77 41.4 70.7 110.7#



#33
4-Chloroaniline
Concen: 18.373 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.04 min
Lab File: BF100414.D
Acq: 11 Nov 2017 2:07

Tgt Ion:127 Resp: 207306
Ion Ratio Lower Upper
127 100
129 83.2 25.9 38.9#
65 0.0 25.0 37.4#
92 0.4 15.2 22.8#





#35

Caprolactam

Concen: 2.030 ng

RT: 8.65 min Scan# 1116

Delta R.T. 0.02 min

Lab File: BF100414.D

Acq: 11 Nov 2017 2:07

Instrument :

BNA_F

ClientSampleId :

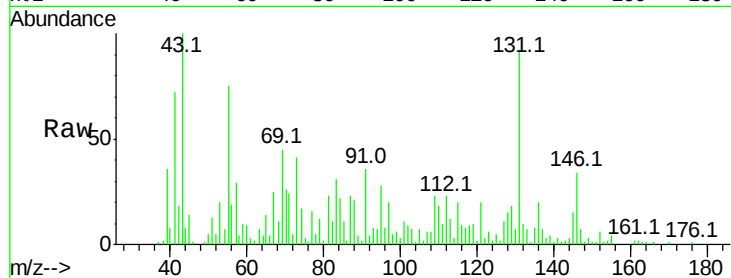
Tot Ion:113 Resp: 5332

Ion Ratio Lower Upper

113 100

55 631.1 163.3 203.3#

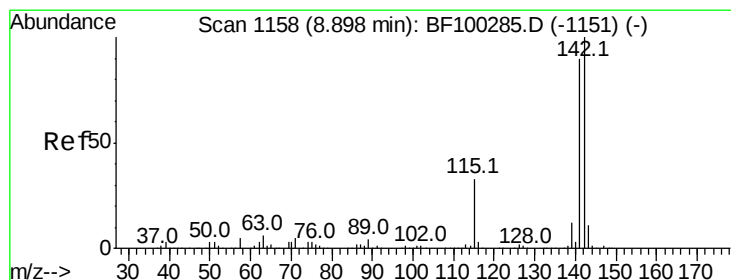
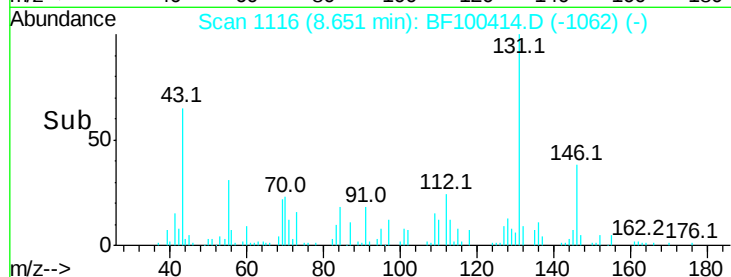
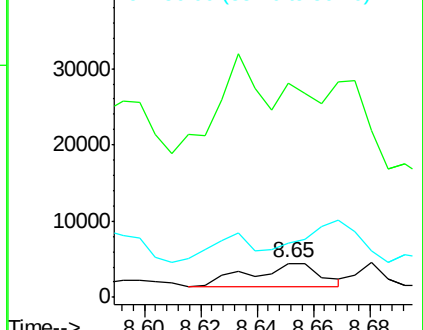
56 160.2 115.7 155.7#



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



#37

2-Methylnaphthalene

Concen: 19.850 ng

RT: 8.90 min Scan# 1158

Delta R.T. -0.00 min

Lab File: BF100414.D

Acq: 11 Nov 2017 2:07

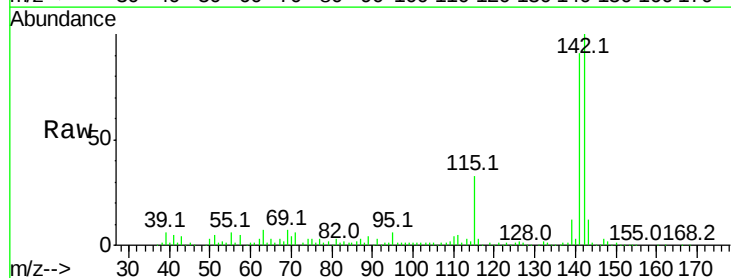
Tgt Ion:142 Resp: 357221

Ion Ratio Lower Upper

142 100

141 90.7 70.8 106.2

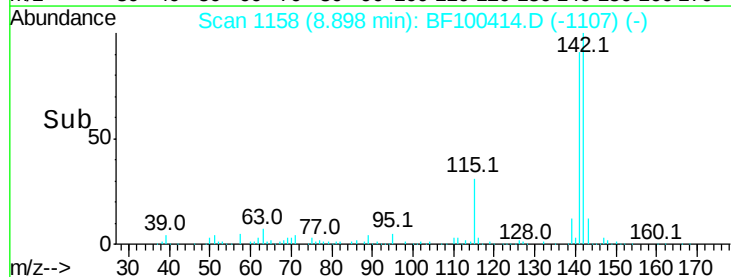
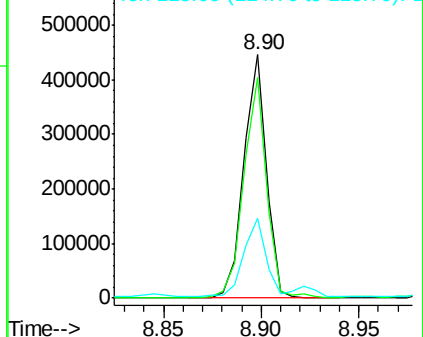
115 32.6 26.1 39.1

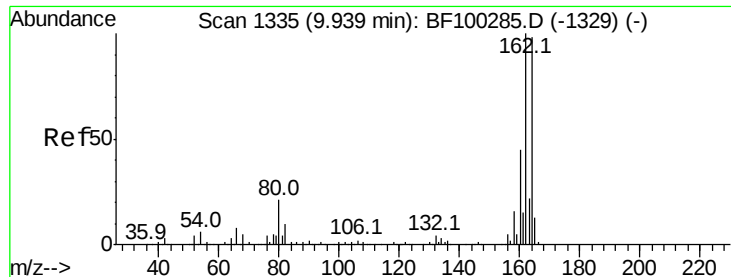


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

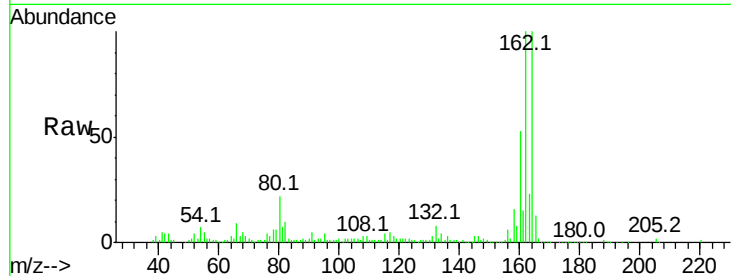




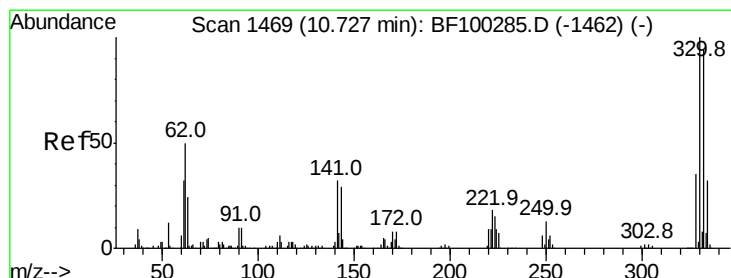
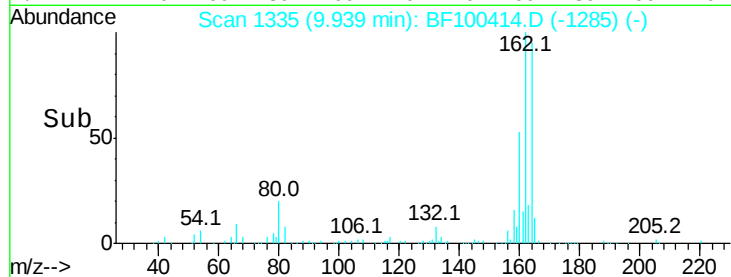
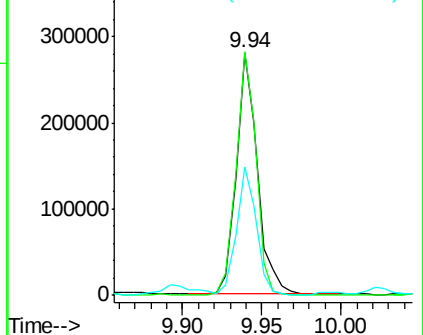
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF100414.D
Acq: 11 Nov 2017 2:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 257938
Ion Ratio Lower Upper
164 100
162 100.3 86.1 129.1
160 52.7 38.3 57.5

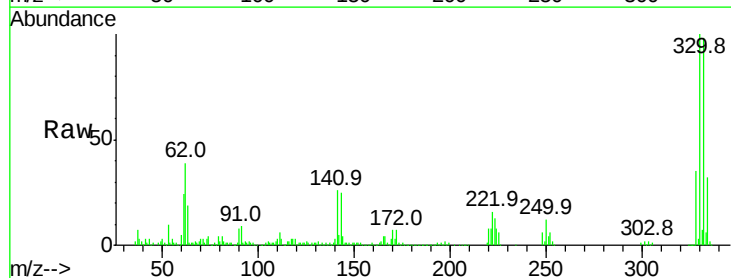


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

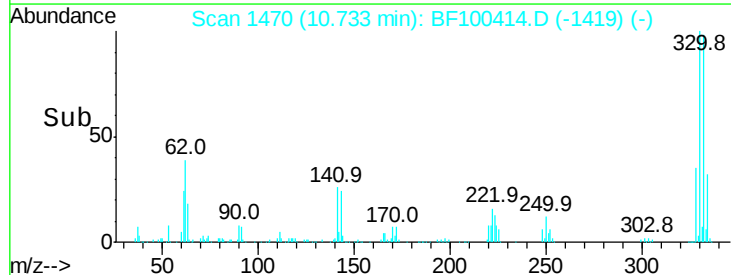
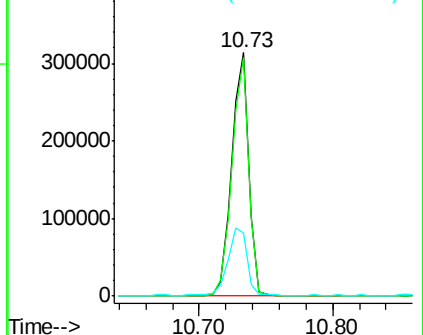


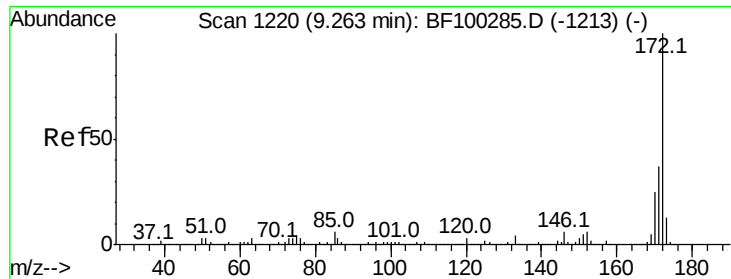
#41
2,4,6-Tribromophenol
Concen: 108.144 ng
RT: 10.73 min Scan# 1470
Delta R.T. -0.00 min
Lab File: BF100414.D
Acq: 11 Nov 2017 2:07

Tgt Ion:330 Resp: 284245
Ion Ratio Lower Upper
330 100
332 96.9 77.0 115.6
141 30.3 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

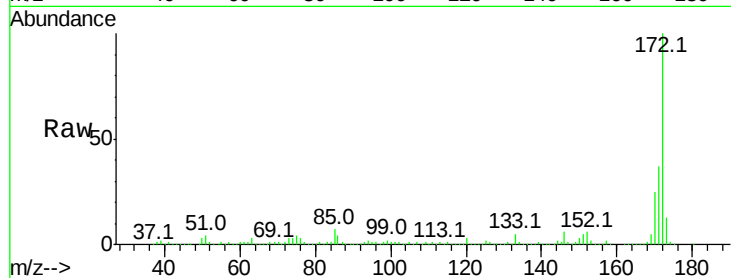




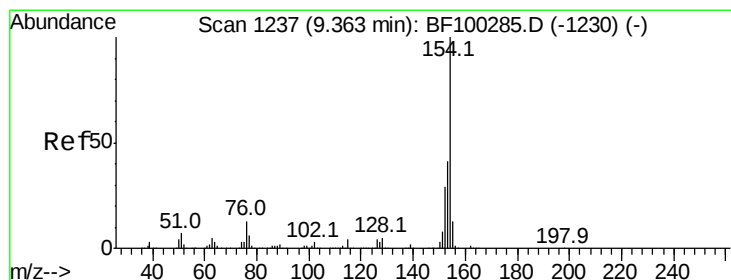
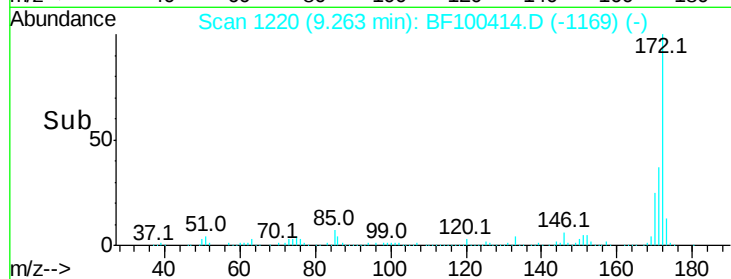
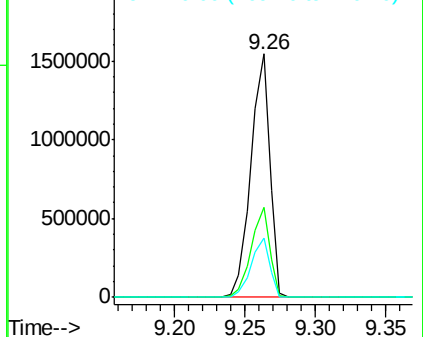
#44
2-Fluorobiphenyl
Concen: 86.826 ng
RT: 9.26 min Scan# 1220
Delta R.T. -0.00 min
Lab File: BF100414.D
Acq: 11 Nov 2017 2:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1470785
Ion Ratio Lower Upper
172 100
171 37.1 29.7 44.5
170 24.6 19.6 29.4

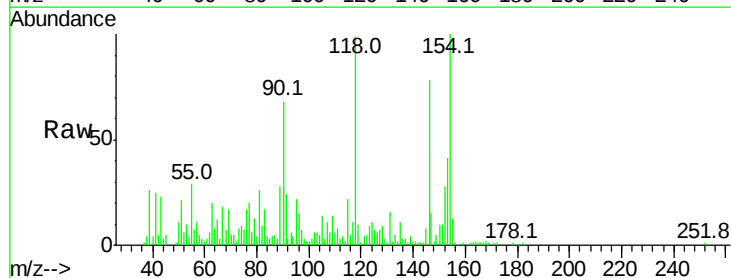


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

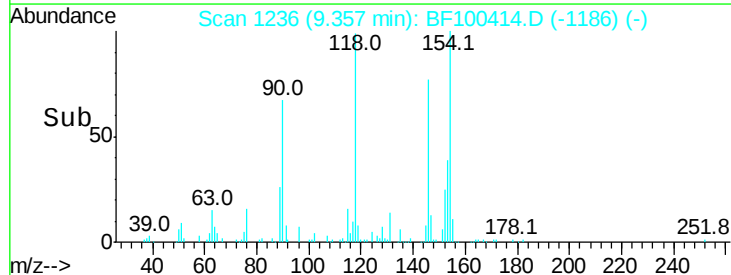
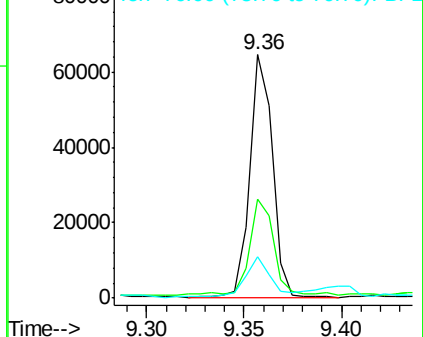


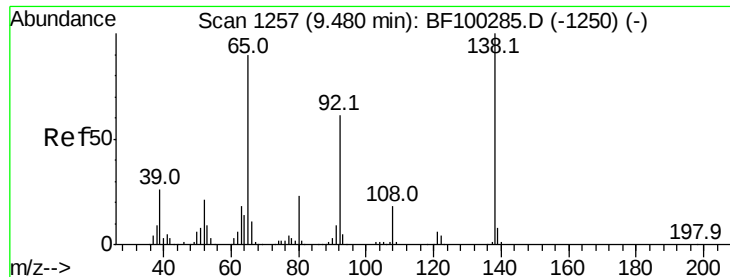
#45
1,1'-Biphenyl
Concen: 2.361 ng
RT: 9.36 min Scan# 1236
Delta R.T. -0.01 min
Lab File: BF100414.D
Acq: 11 Nov 2017 2:07

Tgt Ion:154 Resp: 52661
Ion Ratio Lower Upper
154 100
153 40.6 21.3 61.3
76 17.1 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





#47

2-Nitroaniline

Concen: 3.381 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF100414.D

Acq: 11 Nov 2017 2:07

Instrument :

BNA_F

ClientSampled :

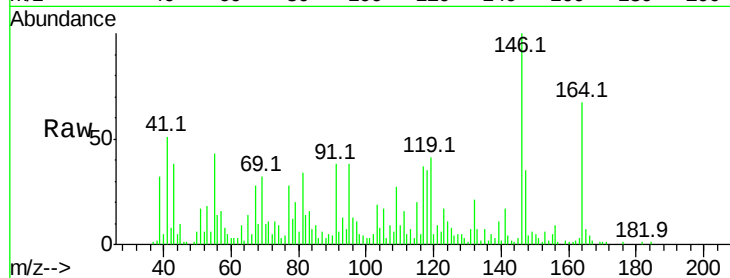
Tot Ion: 65 Resp: 3030

Ion Ratio Lower Upper

65 100

92 39.4 55.8 83.6#

138 21.7 91.2 136.8#

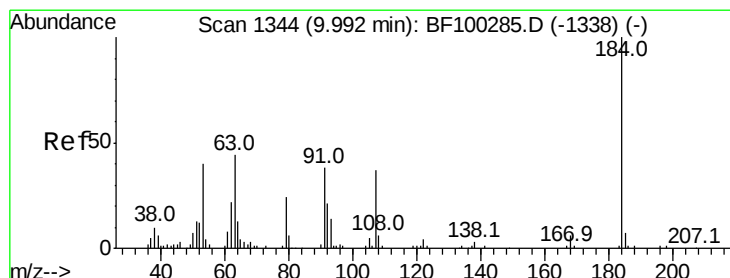
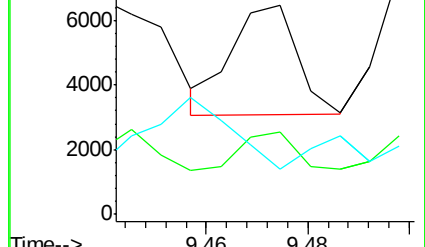
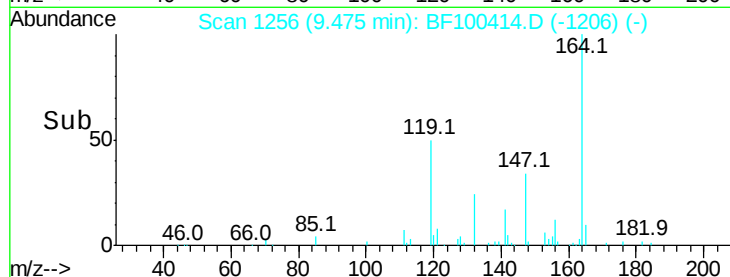


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

Time-->



#53

2,4-Dinitrophenol

Concen: 8.297 ng

RT: 10.02 min Scan# 1349

Delta R.T. 0.03 min

Lab File: BF100414.D

Acq: 11 Nov 2017 2:07

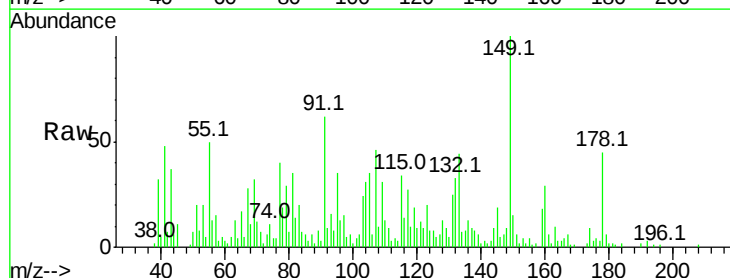
Tgt Ion: 184 Resp: 594

Ion Ratio Lower Upper

184 100

63 695.6 54.2 81.2#

154 82.8 184.0 276.0#

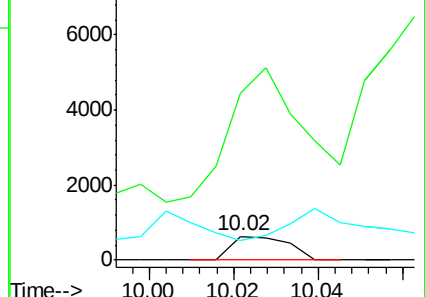
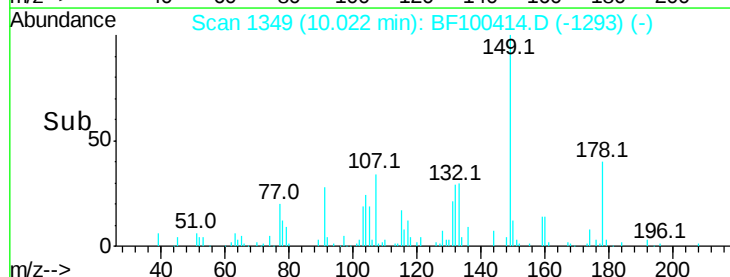


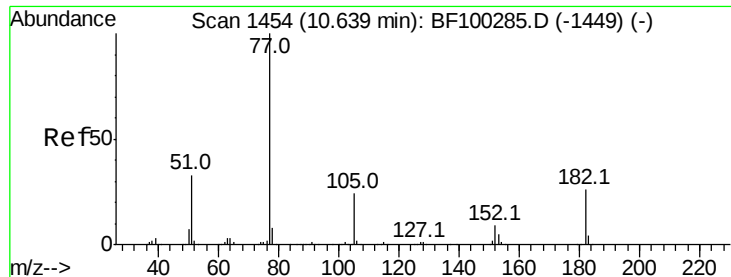
Abundance Ion 184.00 (183.70 to 184.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): BF1

Time-->





#62

Azobenzene

Concen: 2.692 ng

RT: 10.65 min Scan# 1456

Delta R.T. 0.01 min

Lab File: BF100414.D

Acq: 11 Nov 2017 2:07

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 49978

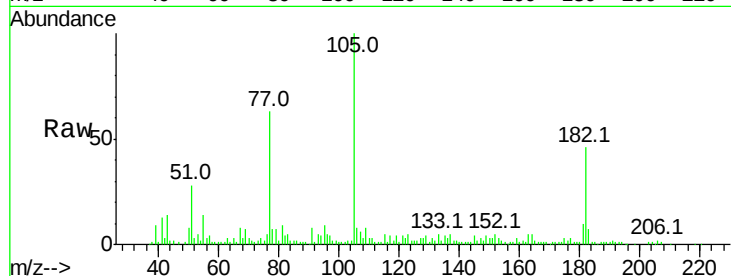
Ion Ratio Lower Upper

77 100

182 73.7 1.7 41.7#

105 159.2 3.0 43.0#

51 45.2 9.9 49.9

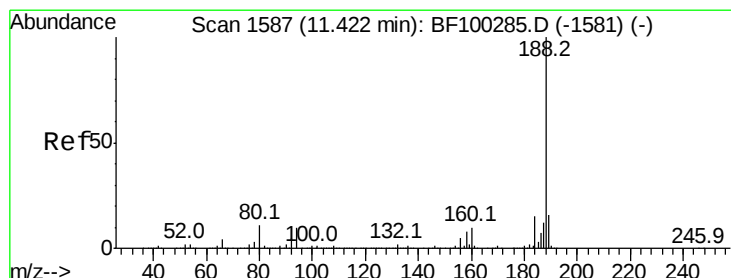
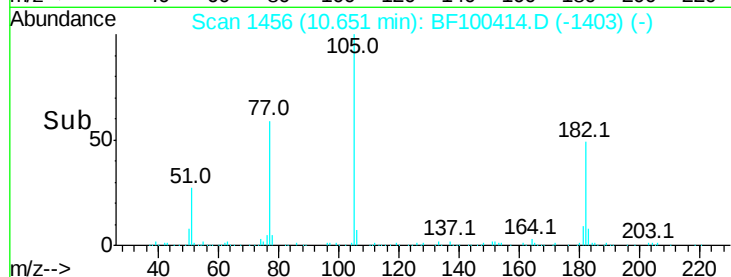
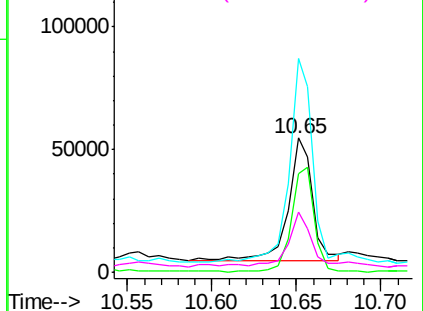


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.00 min

Lab File: BF100414.D

Acq: 11 Nov 2017 2:07

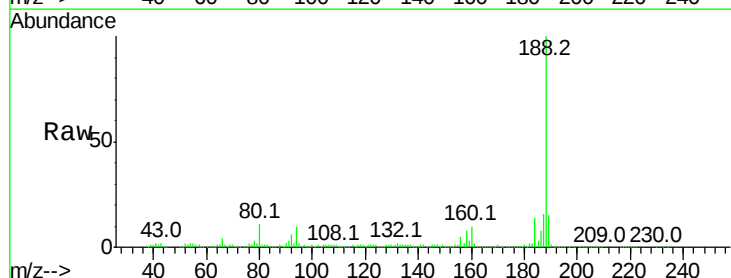
Tgt Ion: 188 Resp: 368683

Ion Ratio Lower Upper

188 100

94 10.2 8.5 12.7

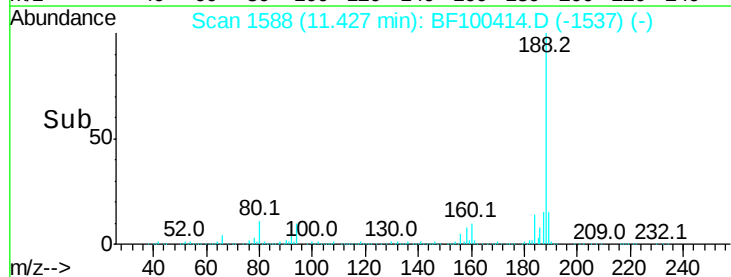
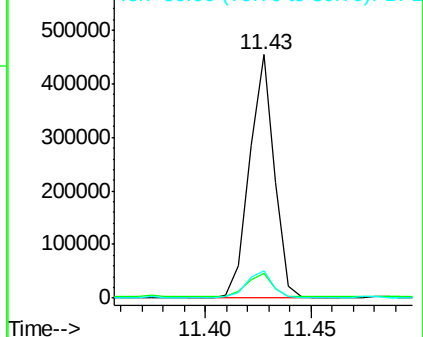
80 11.0 9.2 13.8

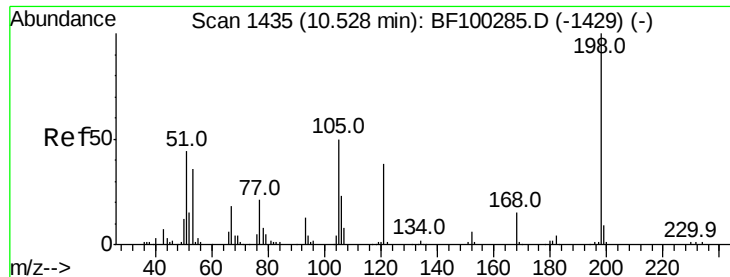


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 8.780 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.02 min

Lab File: BF100414.D

Acq: 11 Nov 2017 2:07

Instrument :

BNA_F

ClientSampled :

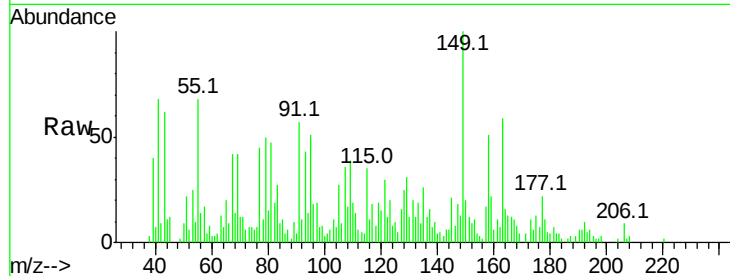
Tot Ion:198 Resp: 477

Ion Ratio Lower Upper

198 100

51 804.9 37.7 77.7#

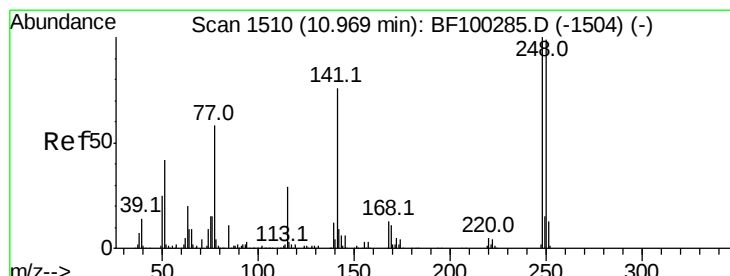
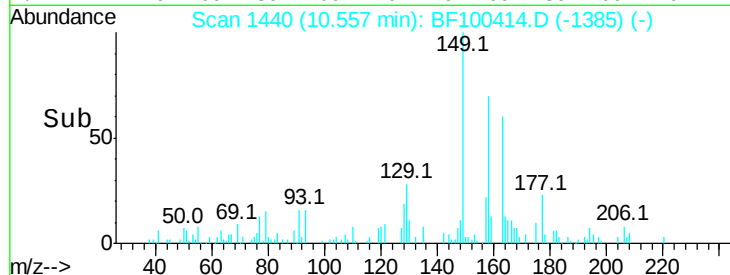
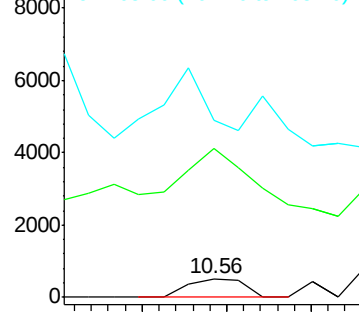
105 963.7 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.548 ng

RT: 10.73 min Scan# 1470

Delta R.T. -0.24 min

Lab File: BF100414.D

Acq: 11 Nov 2017 2:07

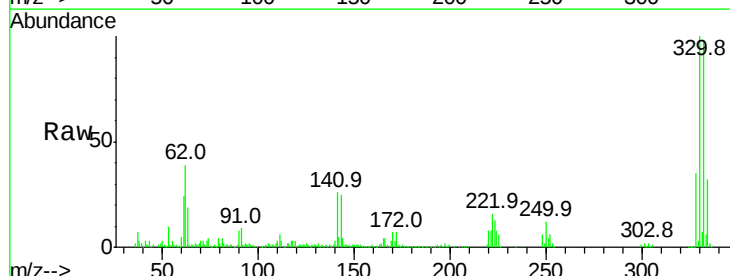
Tgt Ion:248 Resp: 17974

Ion Ratio Lower Upper

248 100

250 187.8 76.9 115.3#

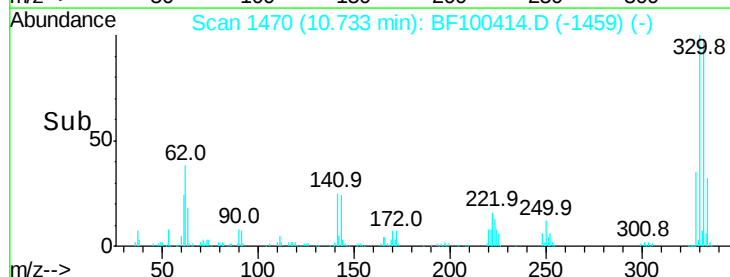
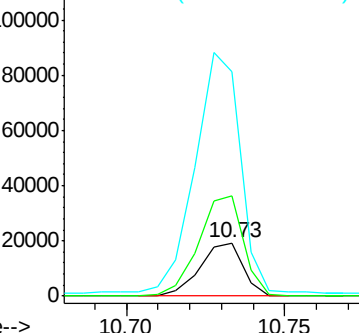
141 421.7 74.4 111.6#

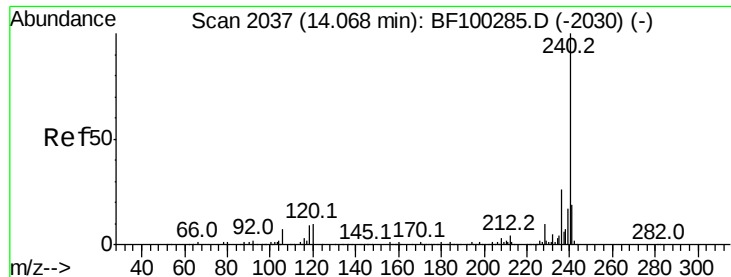


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF100414.D

Acq: 11 Nov 2017 2:07

Instrument :

BNA_F

ClientSampleId :

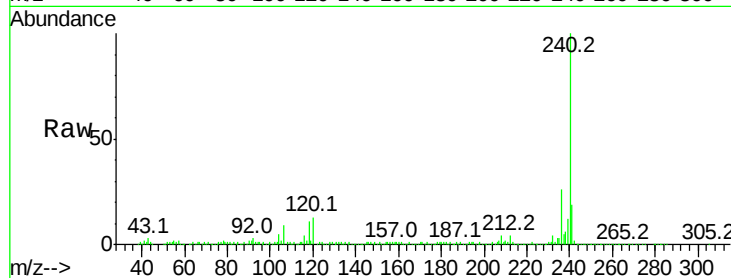
Tot Ion:240 Resp: 317238

Ion Ratio Lower Upper

240 100

120 12.7 9.5 14.3

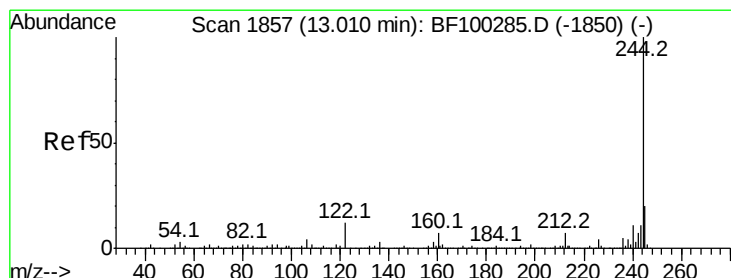
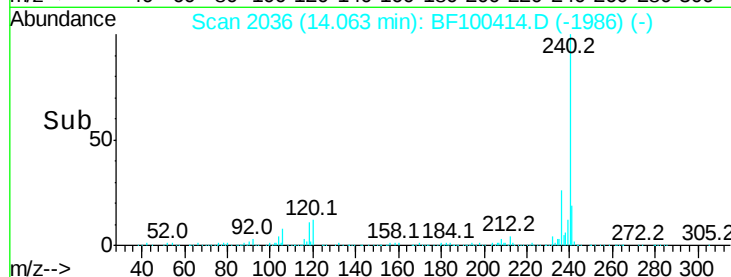
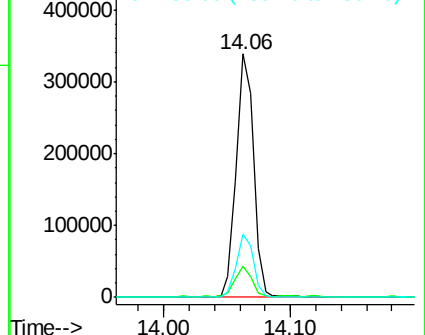
236 26.0 20.7 31.1



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: 76.089 ng

RT: 13.02 min Scan# 1858

Delta R.T. 0.01 min

Lab File: BF100414.D

Acq: 11 Nov 2017 2:07

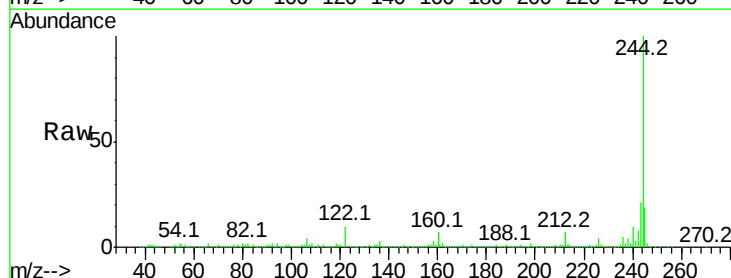
Tgt Ion:244 Resp: 1050541

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

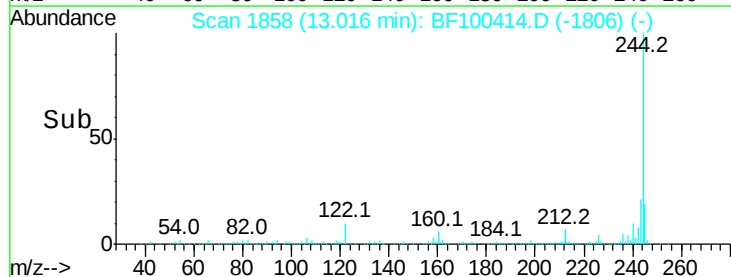
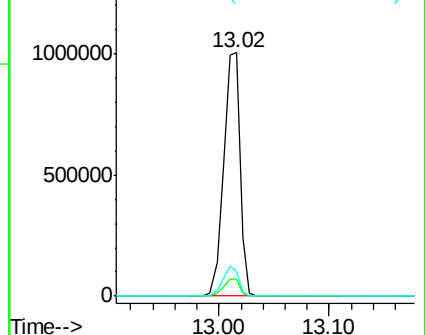
122 10.2 11.0 16.4#

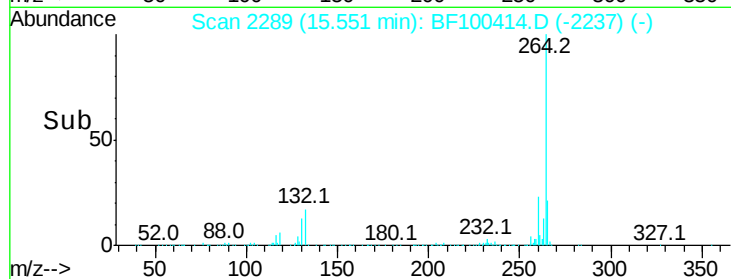
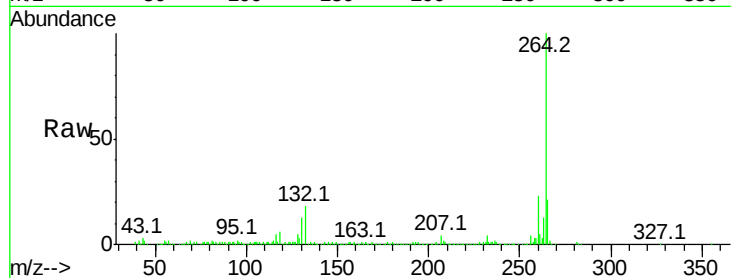
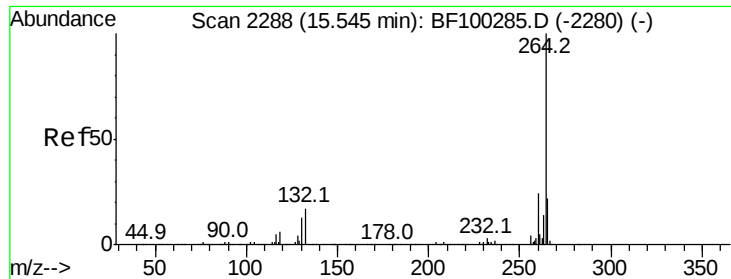


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.55 min Scan# 2289
Delta R.T. 0.01 min
Lab File: BF100414.D
Acq: 11 Nov 2017 2:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	20.9	17.5	26.3

