

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111017\
 Data File : BF100413.D
 Acq On : 11 Nov 2017 1:40
 Operator : SJ/JU
 Sample : I6366-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 13 07:15:35 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	147407	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	550639	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	250591	20.00	ng	0.00
63) Phenanthrene-d10	11.43	188	359837	20.00	ng	0.00
75) Chrysene-d12	14.06	240	301628	20.00	ng	0.00
86) Perylene-d12	15.54	264	237767	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	415176	45.15	ng	0.00
7) Phenol-d6	6.52	99	464593	40.97	ng	0.00
23) Nitrobenzene-d5	7.47	82	780569	93.72	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	266697	104.44	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1396819	84.88	ng	0.00
78) Terphenyl-d14	13.01	244	1014495	77.28	ng	0.00

Target Compounds

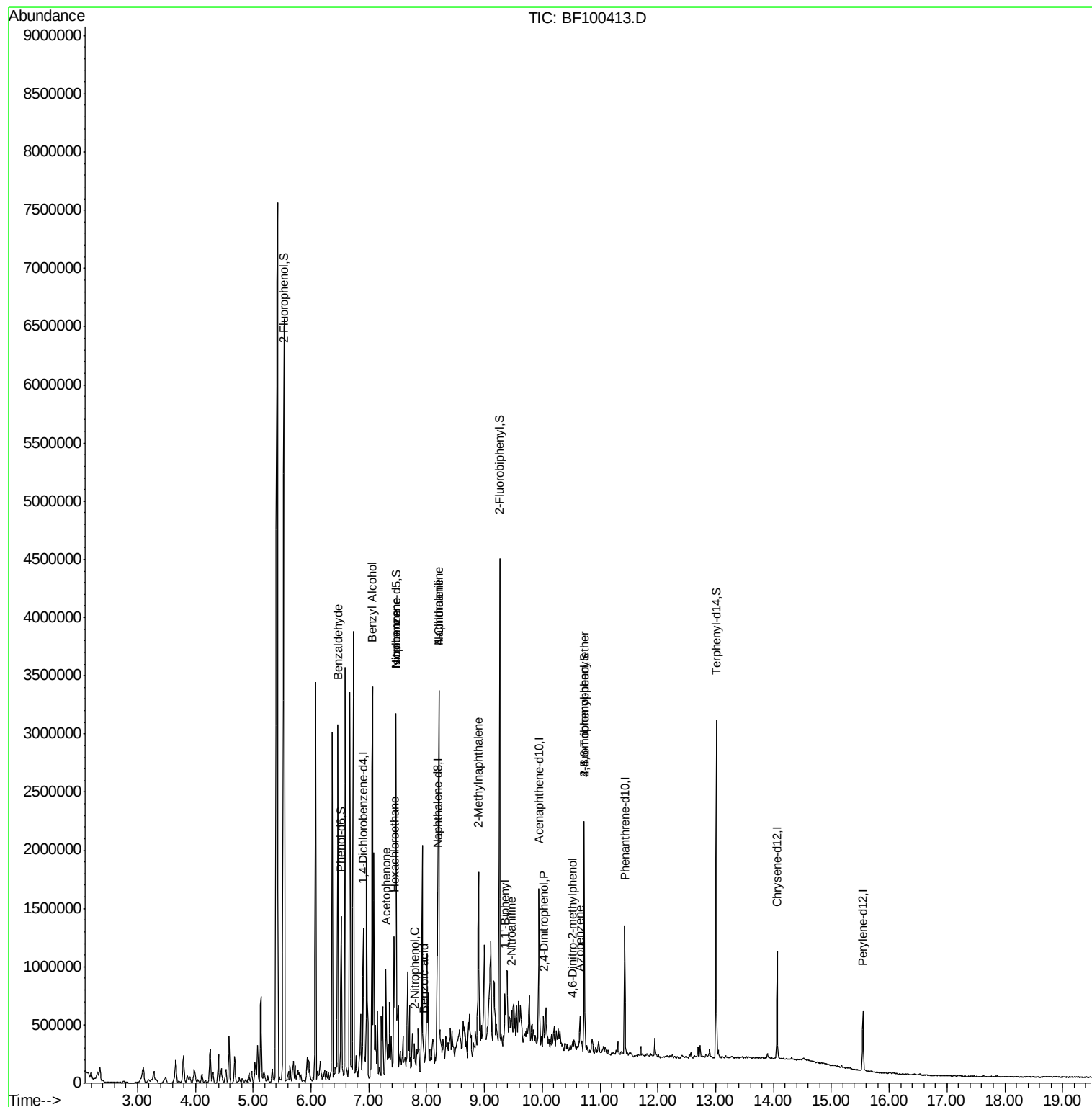
						Qvalue
9) Benzaldehyde	6.46	77	116515	14.388	ng	# 1
15) Benzyl Alcohol	7.06	79	19640	2.219	ng	# 25
18) Hexachloroethane	7.43	117	112765	30.128	ng	# 14
22) Acetophenone	7.29	105	343275	25.566	ng	# 58
24) Nitrobenzene	7.47	77	18923	2.207	ng	# 4
25) Isophorone	7.47	82	765529	43.739	ng	# 64
26) 2-Nitrophenol	7.78	139	754	5.546	ng	# 1
31) Naphthalene	8.21	128	1298834	48.972	ng	# 99
32) Benzoic acid	7.96	122	9355	10.624	ng	# 26
33) 4-Chloroaniline	8.21	127	178667	16.184	ng	# 32
37) 2-Methylnaphthalene	8.90	142	334482	18.996	ng	# 99
45) 1,1'-Biphenyl	9.36	154	47544	2.194	ng	# 97
47) 2-Nitroaniline	9.47	65	2207	3.231	ng	# 36
53) 2,4-Dinitrophenol	10.03	184	804	8.486	ng	# 1
62) Azobenzene	10.65	77	51473	2.854	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.52	198	259	8.687	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	16853	4.369	ng	# 1

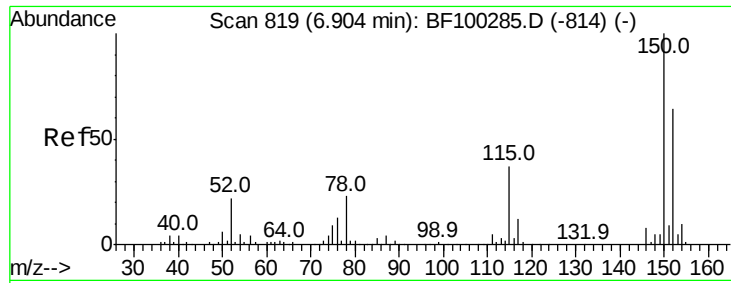
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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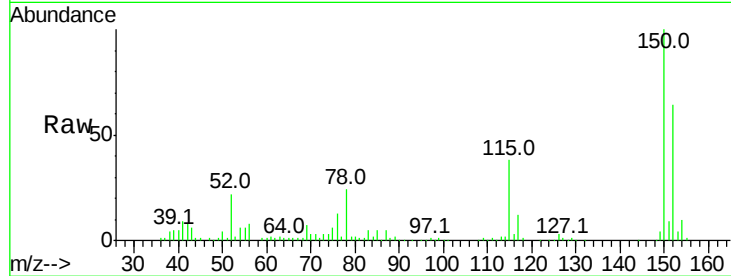


#1

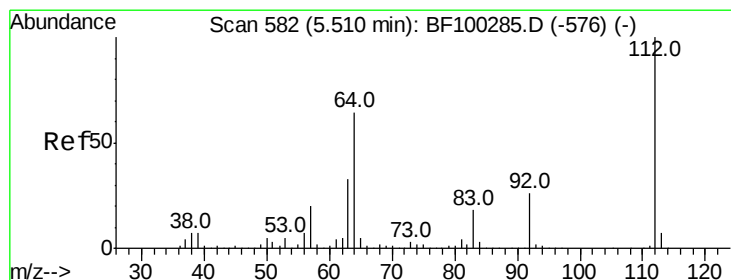
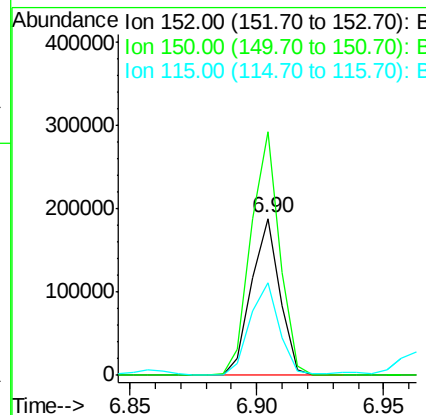
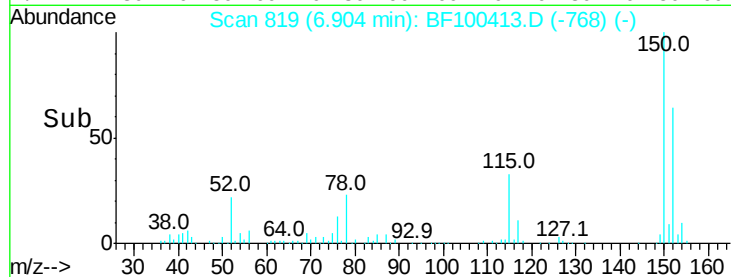
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BF100413.D
Acq: 11 Nov 2017 1:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 147407
Ion Ratio Lower Upper
152 100
150 155.3 124.6 186.8
115 59.1 50.1 75.1



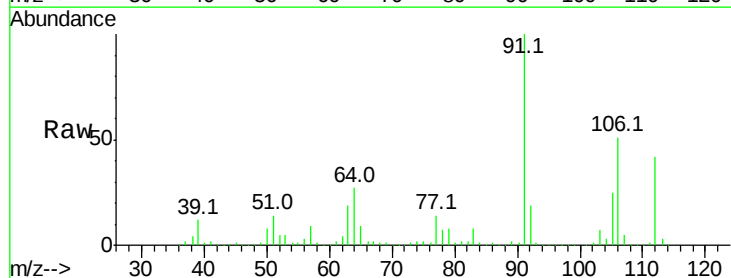
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



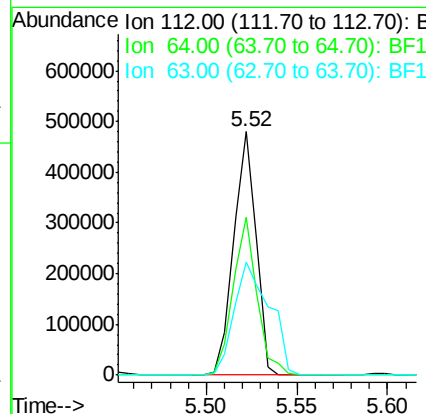
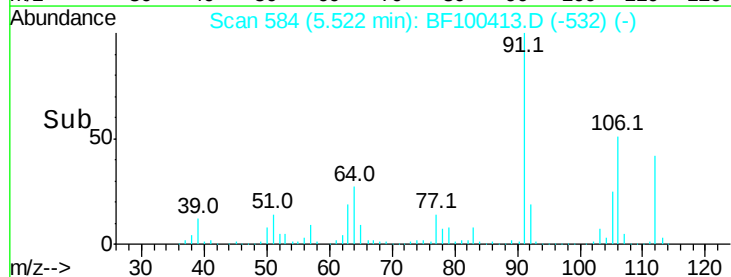
#5

2-Fluorophenol
Concen: 45.149 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF100413.D
Acq: 11 Nov 2017 1:40

Tgt Ion:112 Resp: 415176
Ion Ratio Lower Upper
112 100
64 64.9 47.9 71.9
63 46.7 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: 40.971 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF100413.D

Acq: 11 Nov 2017 1:40

Instrument :

BNA_F

ClientSampleId :

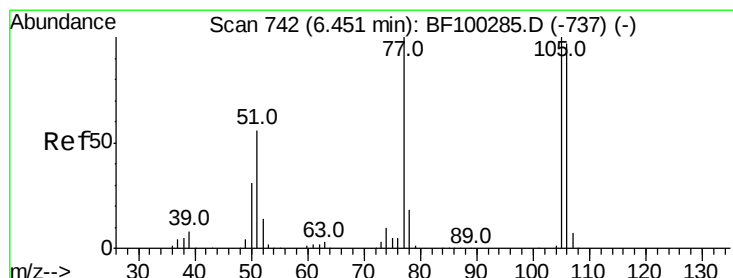
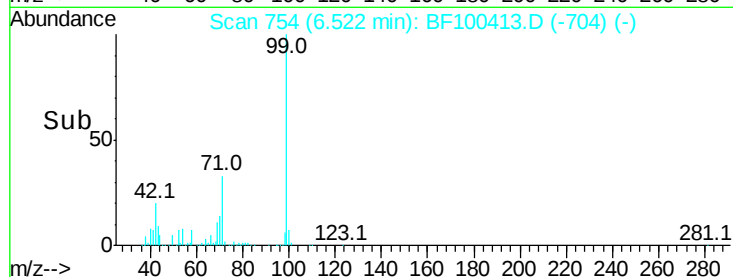
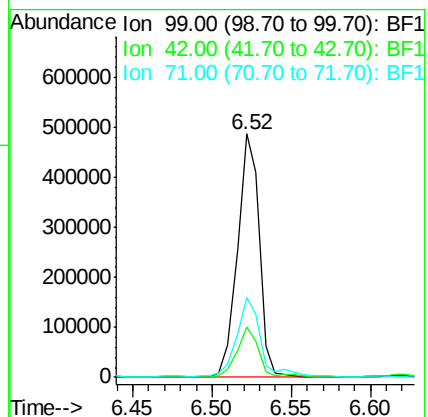
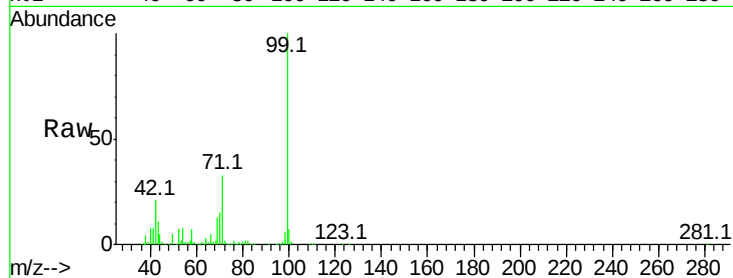
Tot Ion: 99 Resp: 464593

Ion Ratio Lower Upper

99 100

42 20.9 14.5 21.7

71 32.9 25.4 38.0



#9

Benzaldehyde

Concen: 14.388 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF100413.D

Acq: 11 Nov 2017 1:40

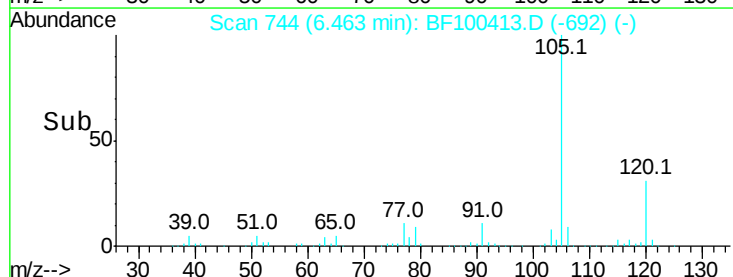
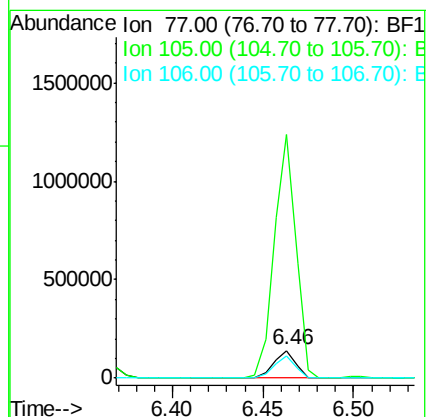
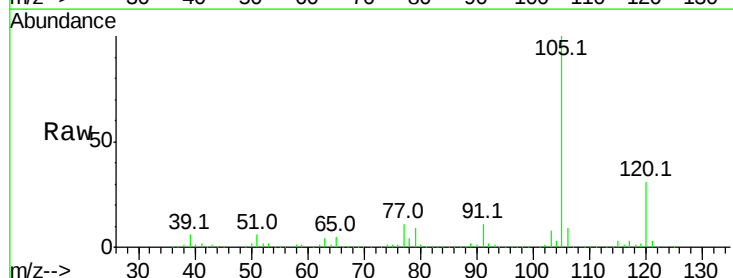
Tgt Ion: 77 Resp: 116515

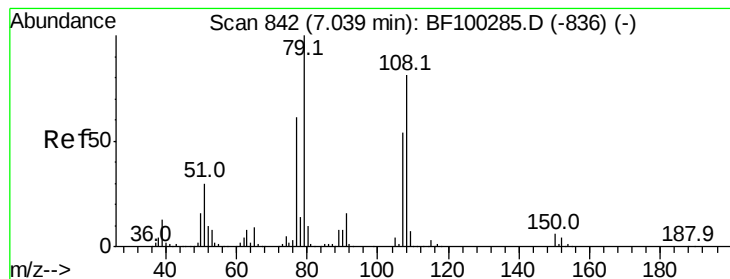
Ion Ratio Lower Upper

77 100

105 886.6 81.1 121.1#

106 79.4 74.5 114.5





#15

Benzyl Alcohol

Concen: 2.219 ng

RT: 7.06 min Scan# 846

Delta R.T. 0.02 min

Lab File: BF100413.D

Acq: 11 Nov 2017 1:40

Instrument :

BNA_F

ClientSampleId :

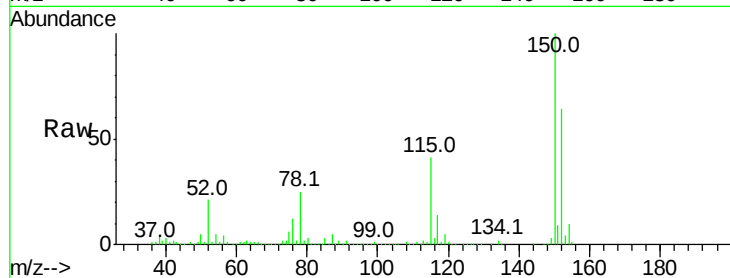
Tot Ion: 79 Resp: 19640

Ion Ratio Lower Upper

79 100

108 32.1 65.1 97.7#

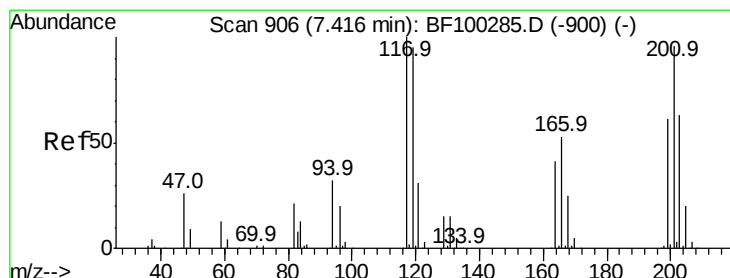
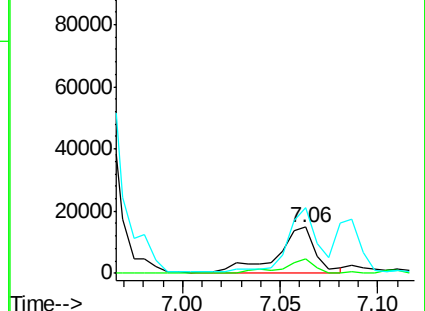
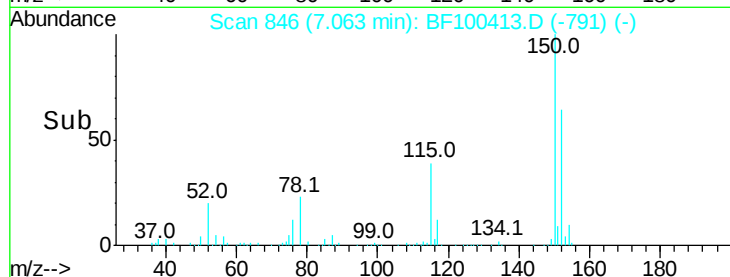
77 141.7 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#18

Hexachloroethane

Concen: 30.128 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.02 min

Lab File: BF100413.D

Acq: 11 Nov 2017 1:40

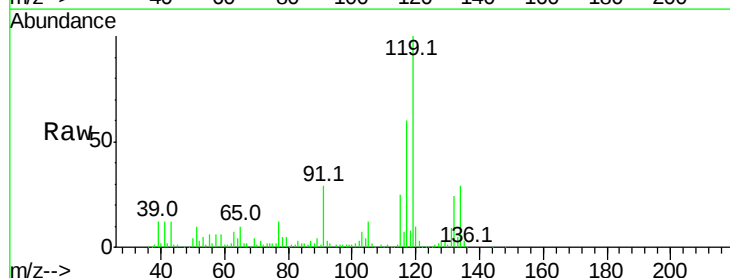
Tgt Ion: 117 Resp: 112765

Ion Ratio Lower Upper

117 100

119 166.3 75.8 113.8#

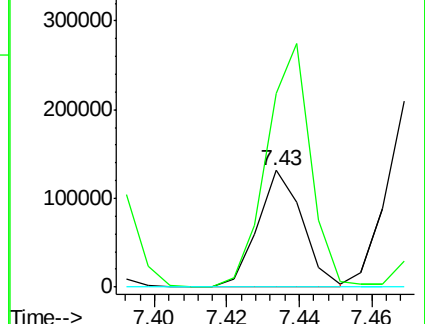
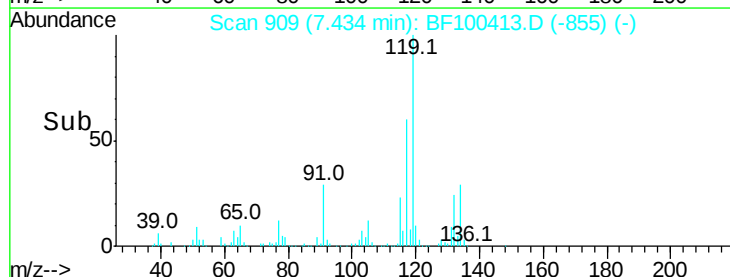
201 0.0 75.7 113.5#

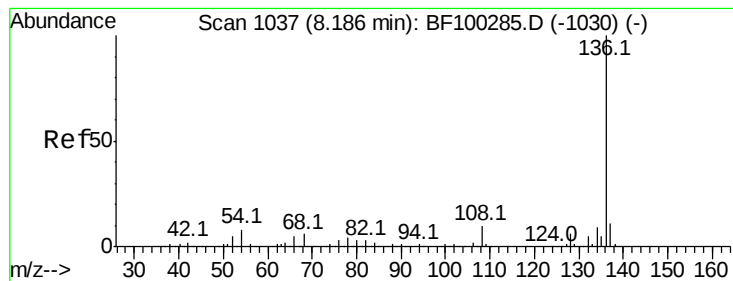


Abundance Ion 117.00 (116.70 to 117.70): BF1

Ion 119.00 (118.70 to 119.70): BF1

Ion 201.00 (200.70 to 201.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BF100413.D

Acq: 11 Nov 2017 1:40

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 550639

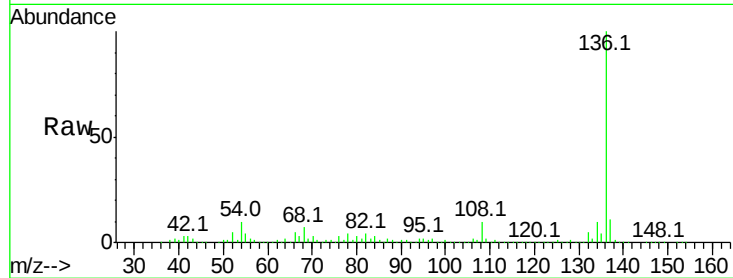
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 10.2 6.6 9.8#

68 7.1 5.0 7.4

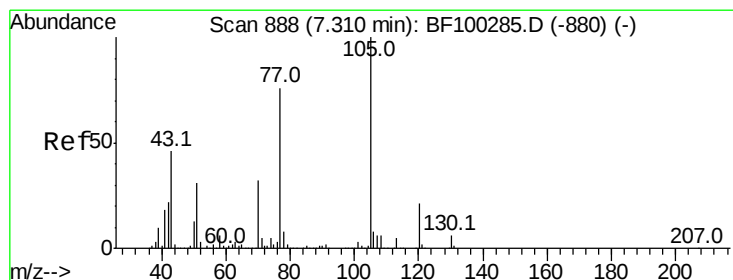
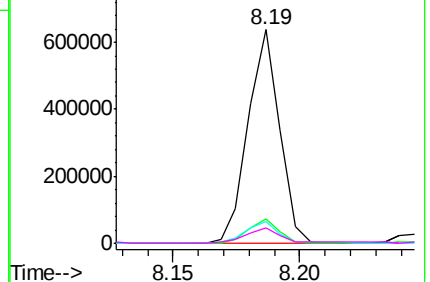
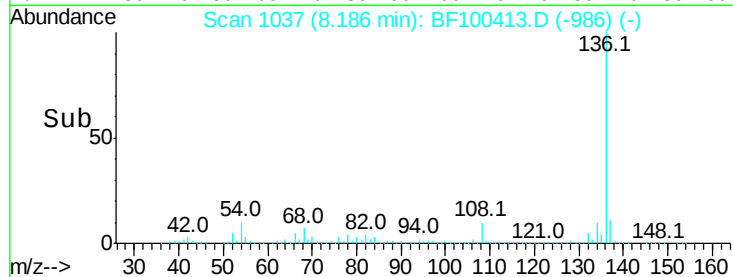


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 25.566 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.02 min

Lab File: BF100413.D

Acq: 11 Nov 2017 1:40

Tgt Ion:105 Resp: 343275

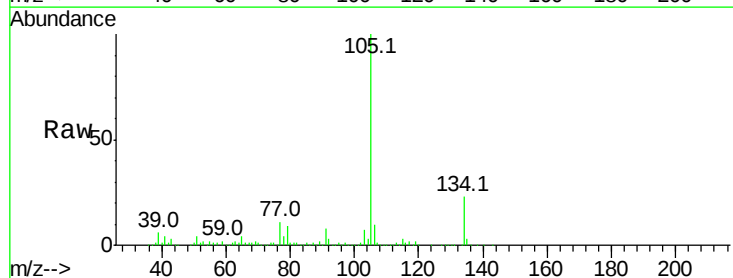
Ion Ratio Lower Upper

105 100

71 0.5 4.4 6.6#

51 4.2 22.3 33.5#

120 0.2 16.9 25.3#

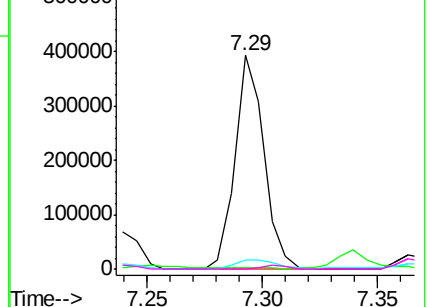
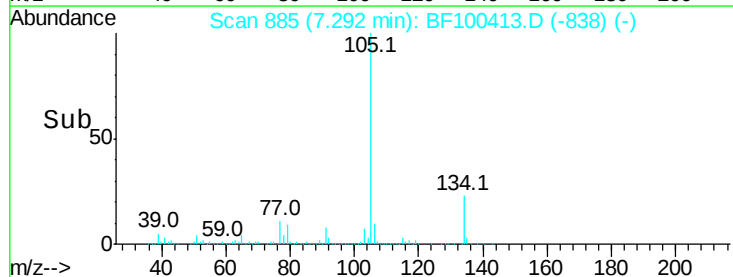


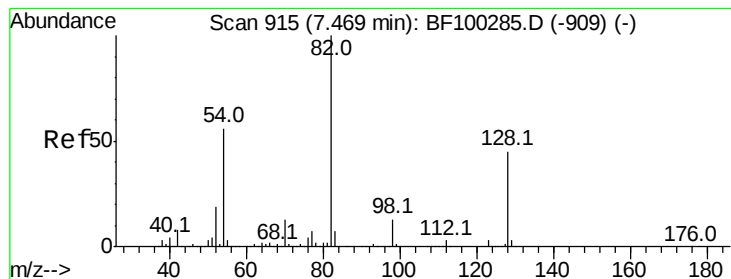
Abundance Ion 105.00 (104.70 to 105.70): E

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: 93.720 ng

RT: 7.47 min Scan# 915

Delta R.T. -0.00 min

Lab File: BF100413.D

Acq: 11 Nov 2017 1:40

Instrument :

BNA_F

ClientSampled :

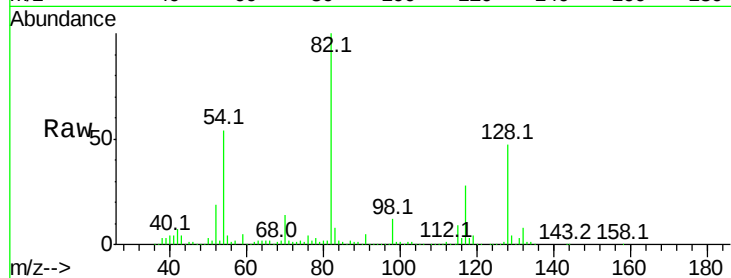
Tot Ion: 82 Resp: 780569

Ion Ratio Lower Upper

82 100

128 47.4 36.1 54.1

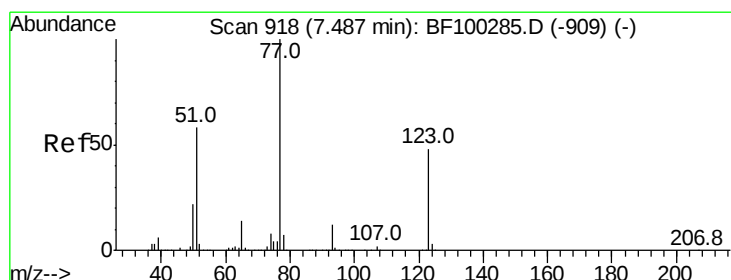
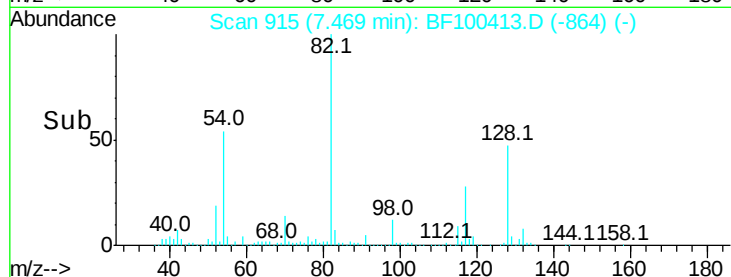
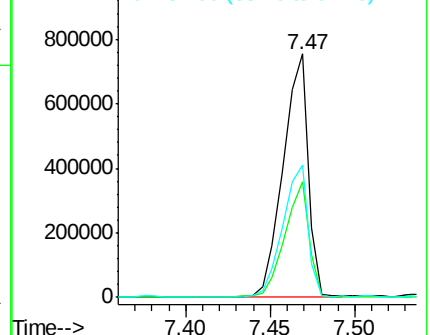
54 54.5 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 2.207 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF100413.D

Acq: 11 Nov 2017 1:40

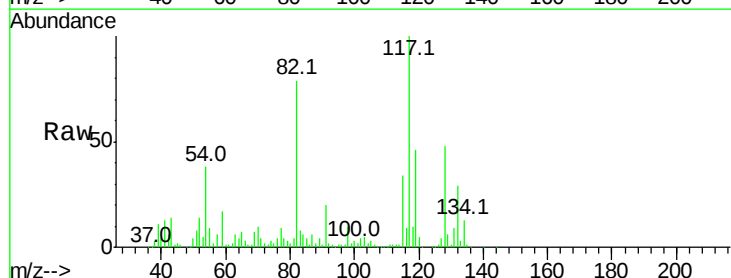
Tgt Ion: 77 Resp: 18923

Ion Ratio Lower Upper

77 100

123 0.0 37.9 56.9#

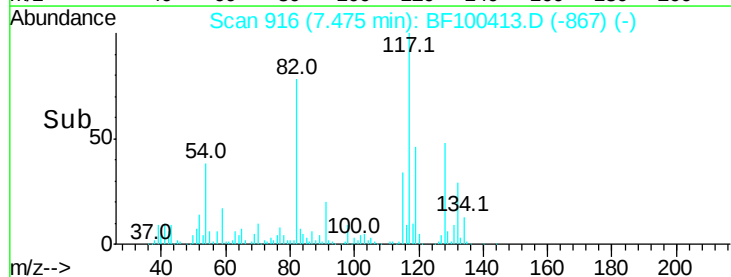
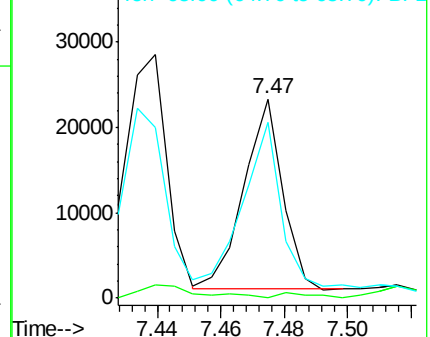
65 88.0 11.0 16.4#

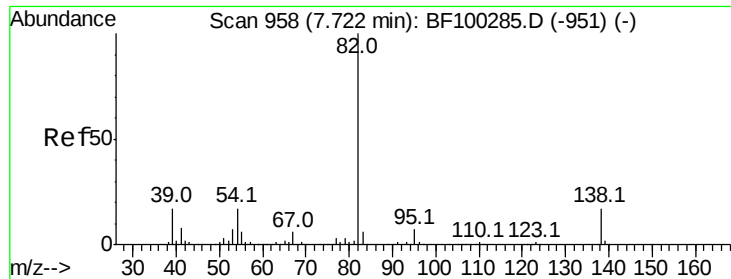


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

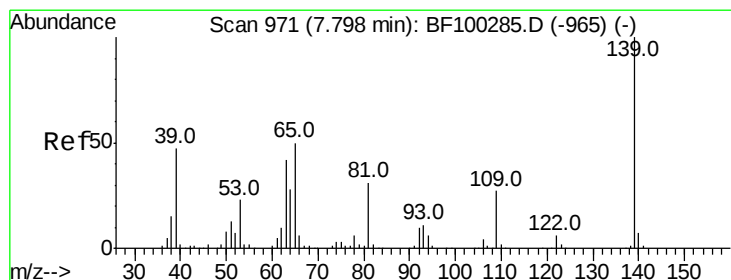
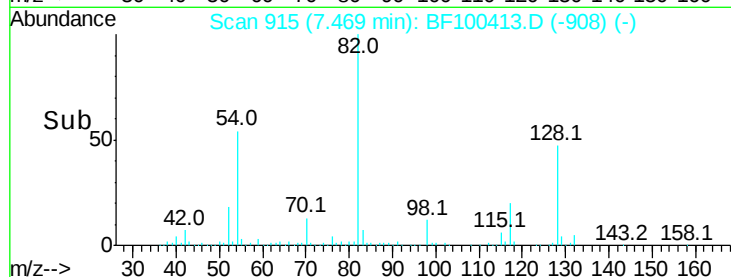
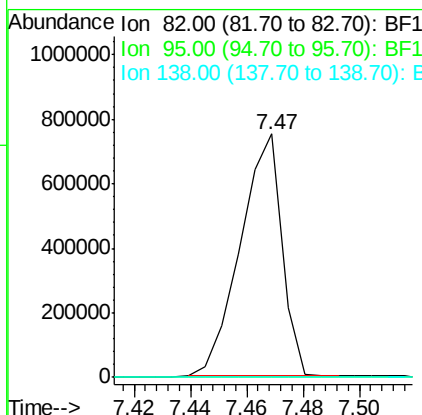
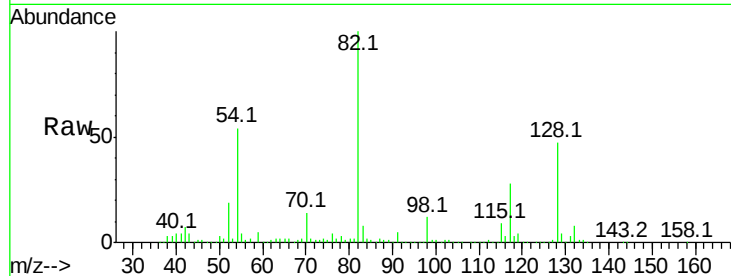




#25
Isophorone
Concen: 43.739 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.26 min
Lab File: BF100413.D
Acq: 11 Nov 2017 1:40

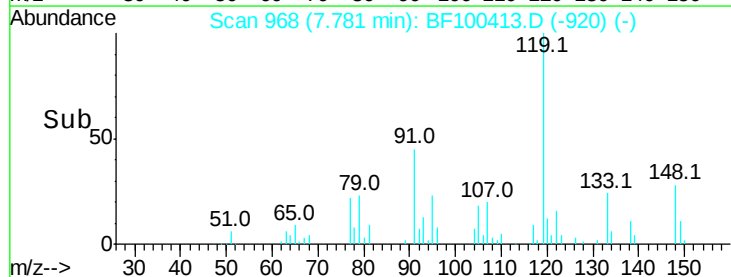
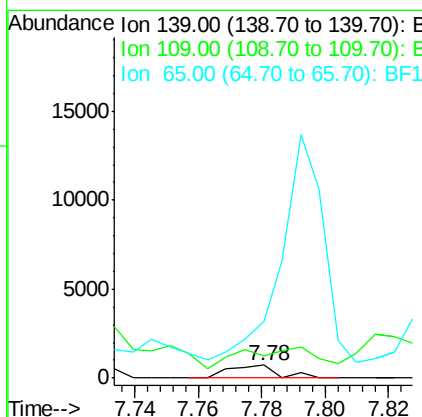
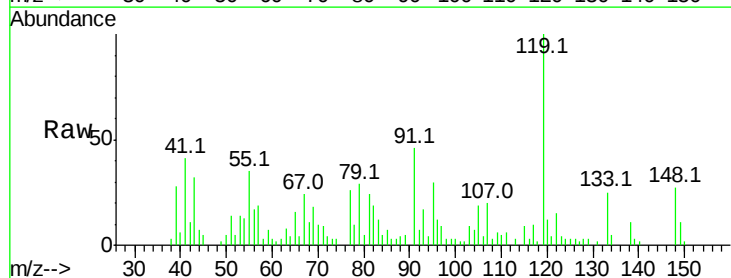
Instrument :
BNA_F
ClientSampleId :

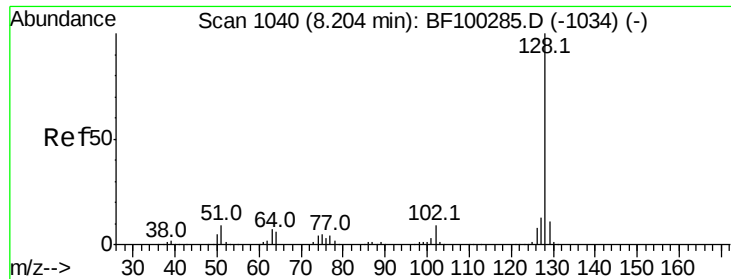
Tot Ion: 82 Resp: 765529
Ion Ratio Lower Upper
82 100
95 0.2 5.2 7.8#
138 0.0 14.9 22.3#



#26
2-Nitrophenol
Concen: 5.546 ng
RT: 7.78 min Scan# 968
Delta R.T. -0.02 min
Lab File: BF100413.D
Acq: 11 Nov 2017 1:40

Tgt Ion: 139 Resp: 754
Ion Ratio Lower Upper
139 100
109 174.2 22.7 34.1#
65 449.9 40.5 60.7#

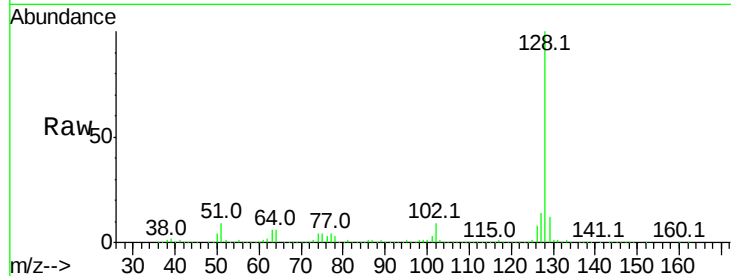




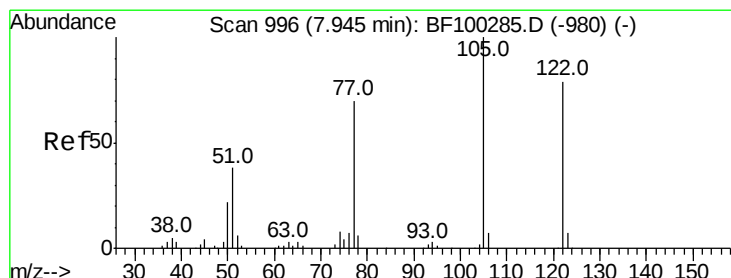
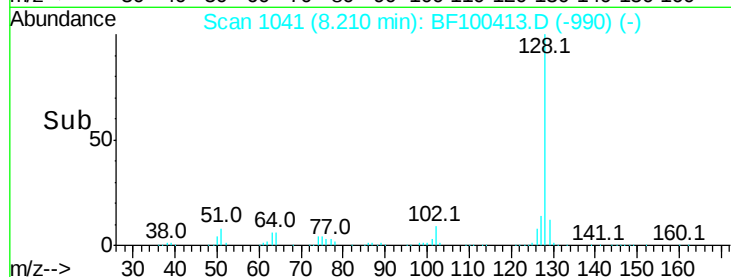
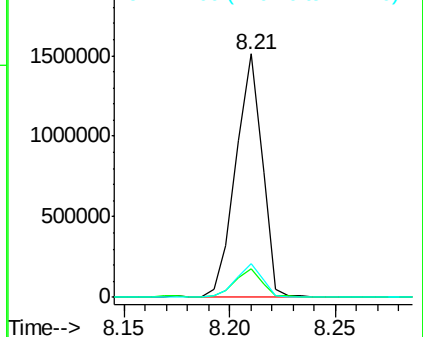
#31
Naphthalene
Concen: 48.972 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BF100413.D
Acq: 11 Nov 2017 1:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 1298834
Ion Ratio Lower Upper
128 100
129 11.7 8.8 13.2
127 13.7 10.9 16.3

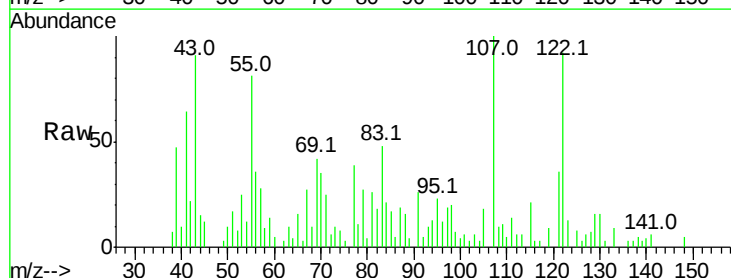


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

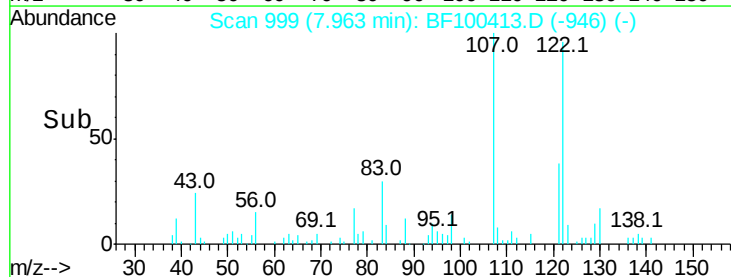
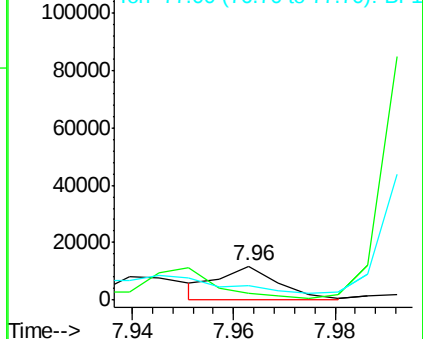


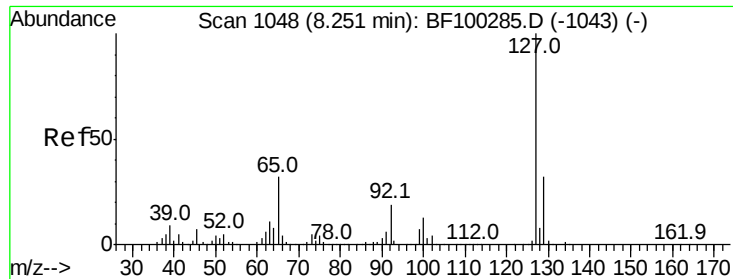
#32
Benzoic acid
Concen: 10.624 ng
RT: 7.96 min Scan# 999
Delta R.T. 0.01 min
Lab File: BF100413.D
Acq: 11 Nov 2017 1:40

Tgt Ion:122 Resp: 9355
Ion Ratio Lower Upper
122 100
105 19.0 101.1 141.1#
77 42.7 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

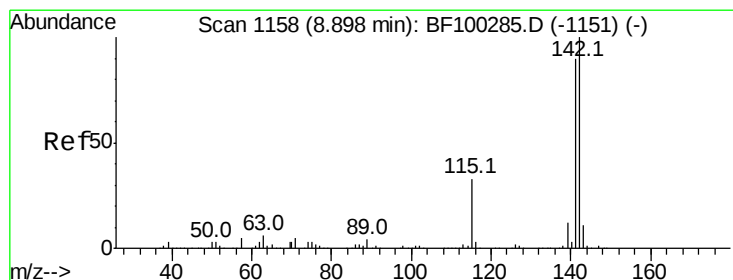
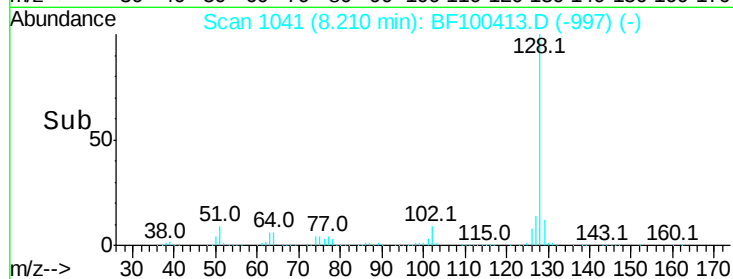
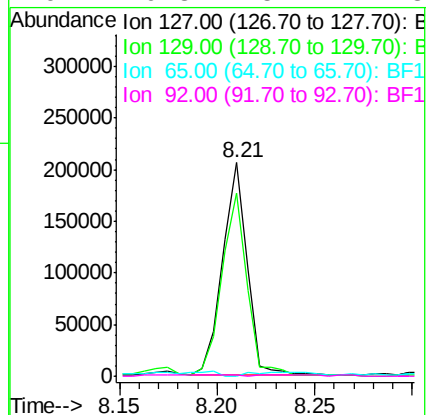
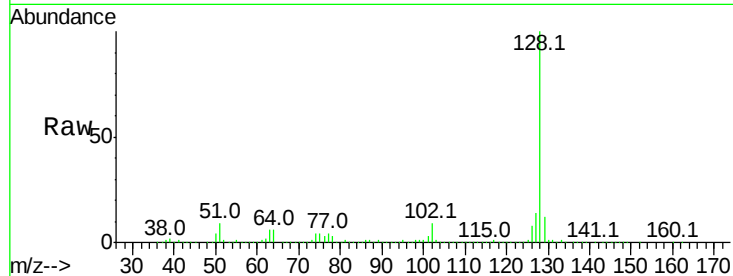




#33
4-Chloroaniline
Concen: 16.184 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.04 min
Lab File: BF100413.D
Acq: 11 Nov 2017 1:40

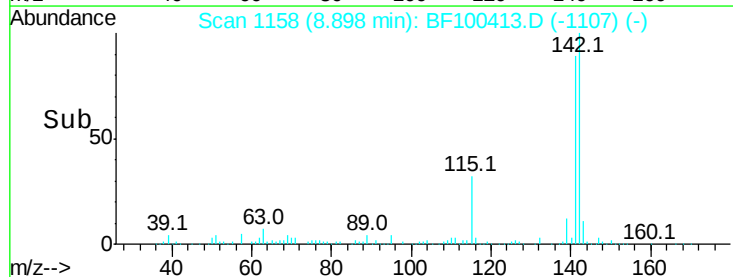
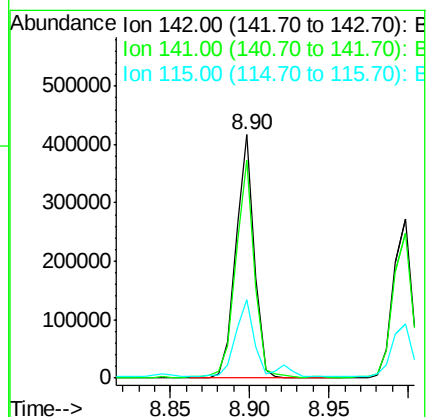
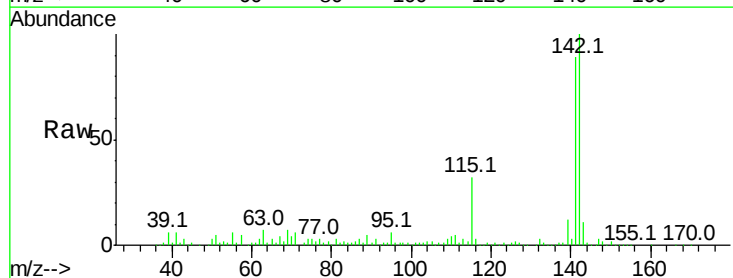
Instrument :
BNA_F
ClientSampleId :

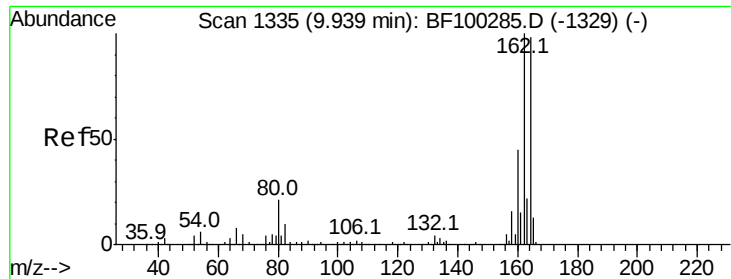
Tot Ion:	127	Resp:	178667
Ion Ratio	Lower	Upper	
127	100		
129	85.7	25.9	38.9#
65	0.0	25.0	37.4#
92	0.3	15.2	22.8#



#37
2-Methylnaphthalene
Concen: 18.996 ng
RT: 8.90 min Scan# 1158
Delta R.T. -0.00 min
Lab File: BF100413.D
Acq: 11 Nov 2017 1:40

Tgt Ion:	142	Resp:	334482
Ion Ratio	Lower	Upper	
142	100		
141	89.5	70.8	106.2
115	32.0	26.1	39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF100413.D

Acq: 11 Nov 2017 1:40

Instrument :

BNA_F

ClientSampleId :

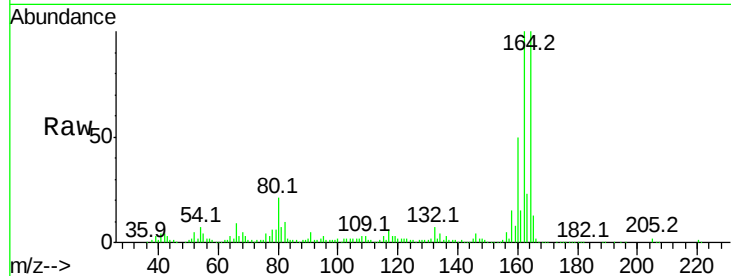
Tot Ion:164 Resp: 250591

Ion Ratio Lower Upper

164 100

162 100.5 86.1 129.1

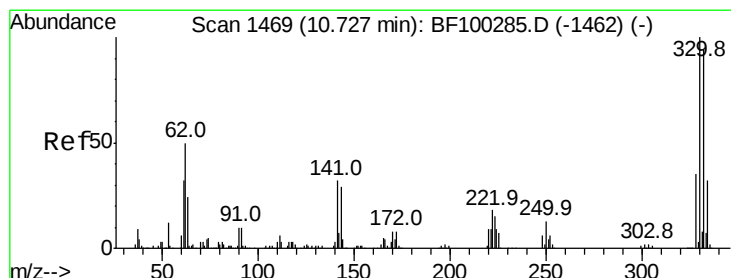
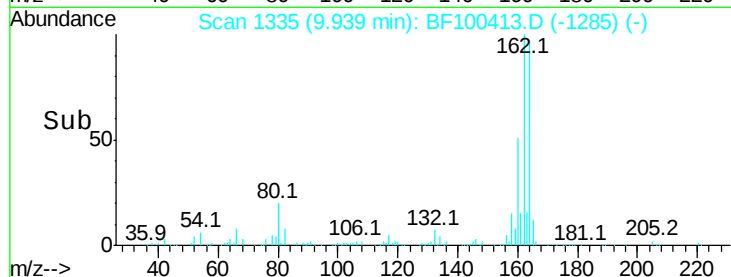
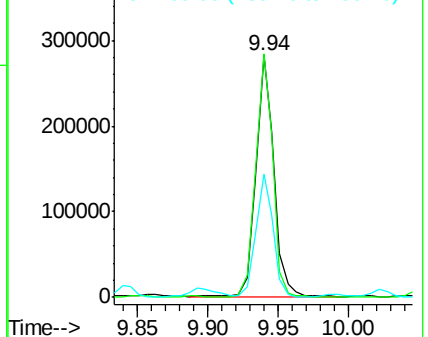
160 50.7 38.3 57.5



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: 104.443 ng

RT: 10.73 min Scan# 1470

Delta R.T. -0.00 min

Lab File: BF100413.D

Acq: 11 Nov 2017 1:40

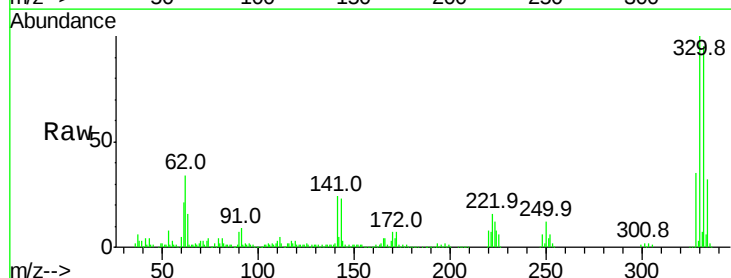
Tgt Ion:330 Resp: 266697

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

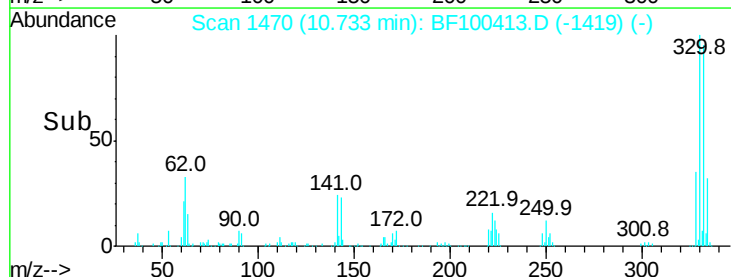
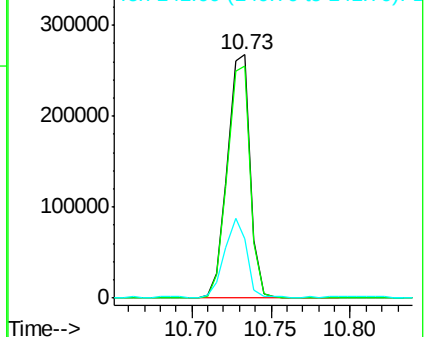
141 30.8 29.9 44.9

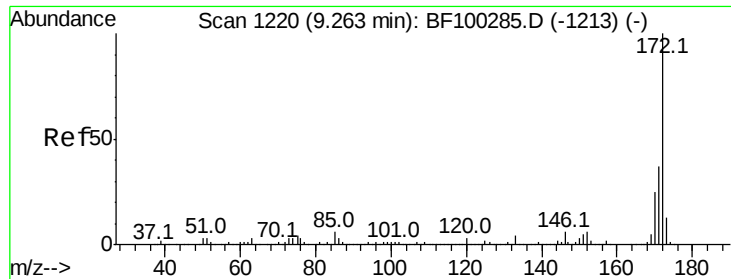


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

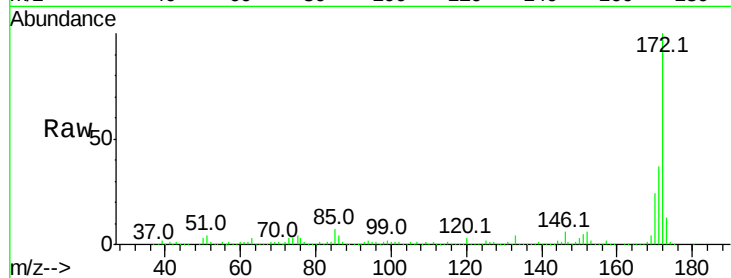




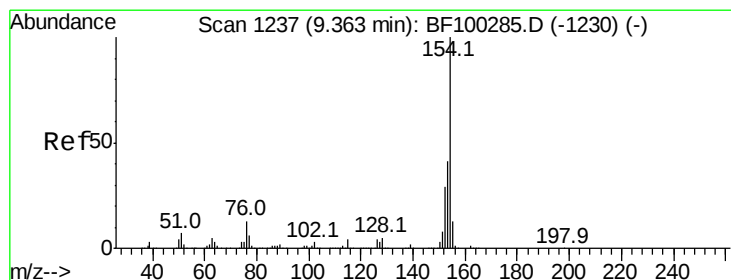
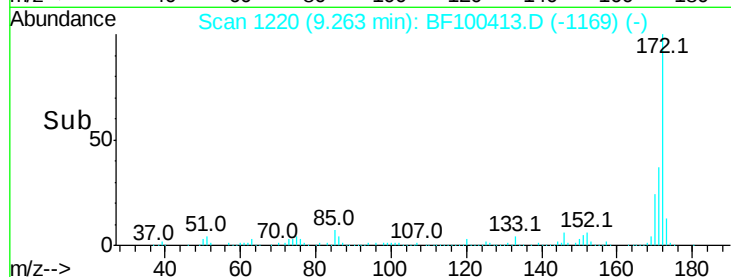
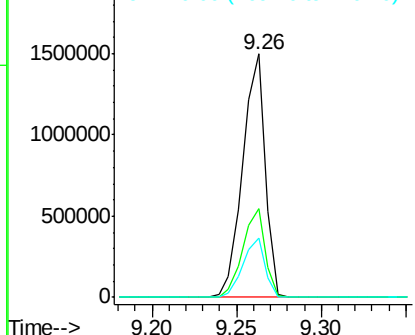
#44
2-Fluorobiphenyl
Concen: 84.877 ng
RT: 9.26 min Scan# 1220
Delta R.T. -0.00 min
Lab File: BF100413.D
Acq: 11 Nov 2017 1:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1396819
Ion Ratio Lower Upper
172 100
171 36.6 29.7 44.5
170 24.2 19.6 29.4

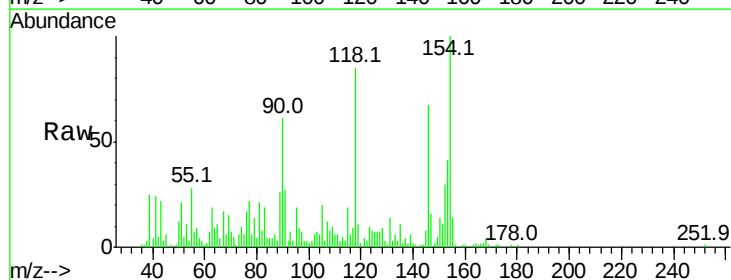


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

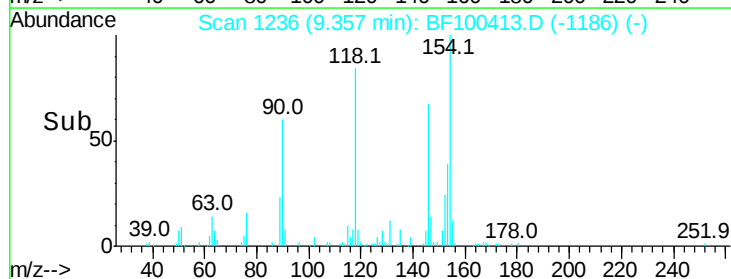
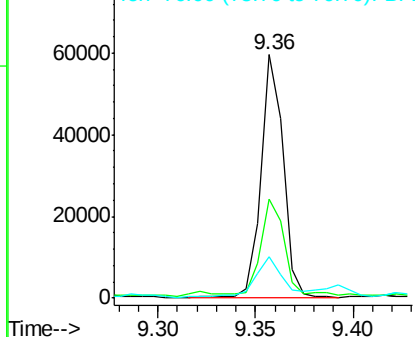


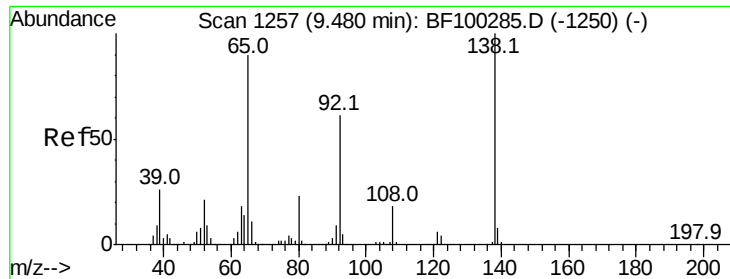
#45
1,1'-Biphenyl
Concen: 2.194 ng
RT: 9.36 min Scan# 1236
Delta R.T. -0.01 min
Lab File: BF100413.D
Acq: 11 Nov 2017 1:40

Tgt Ion:154 Resp: 47544
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: 3.231 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF100413.D

Acq: 11 Nov 2017 1:40

Instrument :

BNA_F

ClientSampled :

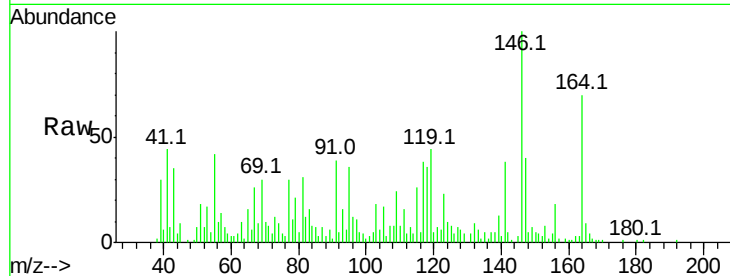
Tot Ion: 65 Resp: 2207

Ion Ratio Lower Upper

65 100

92 33.8 55.8 83.6#

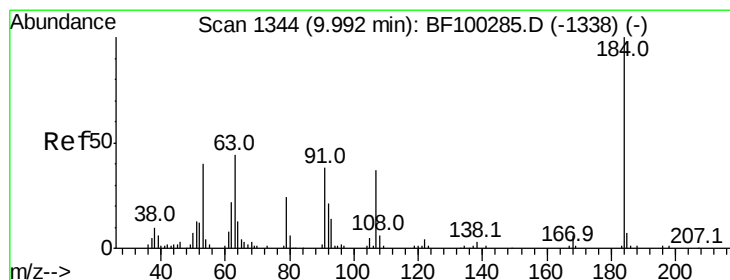
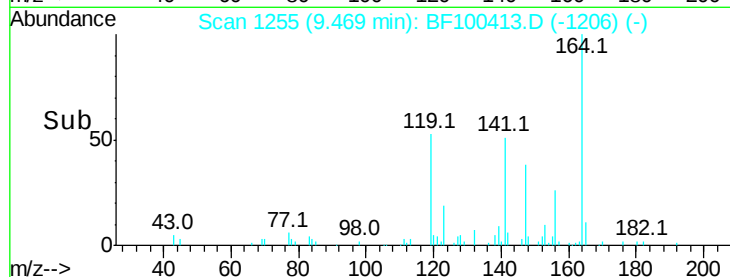
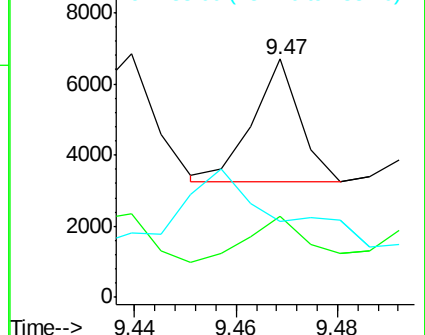
138 31.8 91.2 136.8#



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



#53

2,4-Dinitrophenol

Concen: 8.486 ng

RT: 10.03 min Scan# 1350

Delta R.T. 0.04 min

Lab File: BF100413.D

Acq: 11 Nov 2017 1:40

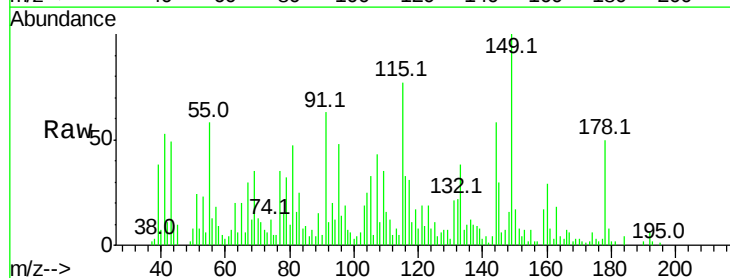
Tgt Ion: 184 Resp: 804

Ion Ratio Lower Upper

184 100

63 491.9 54.2 81.2#

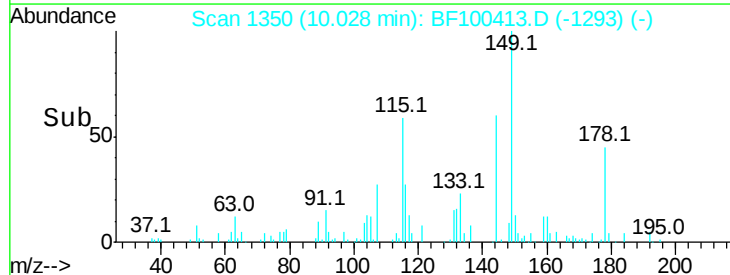
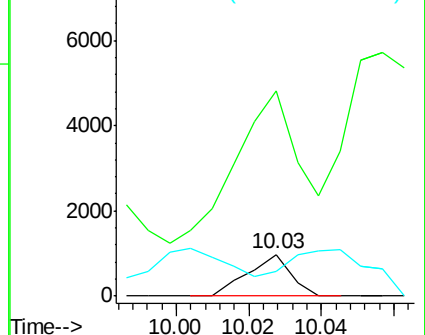
154 60.6 184.0 276.0#

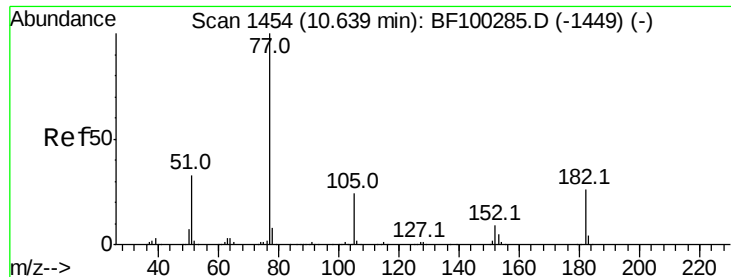


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#62

Azobenzene

Concen: 2.854 ng

RT: 10.65 min Scan# 1456

Delta R.T. 0.01 min

Lab File: BF100413.D

Acq: 11 Nov 2017 1:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 51473

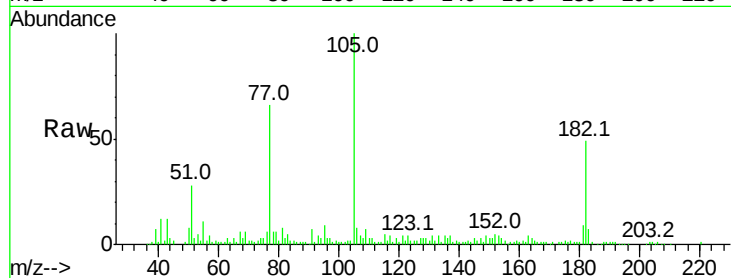
Ion Ratio Lower Upper

77 100

182 73.9 1.7 41.7#

105 151.8 3.0 43.0#

51 43.0 9.9 49.9

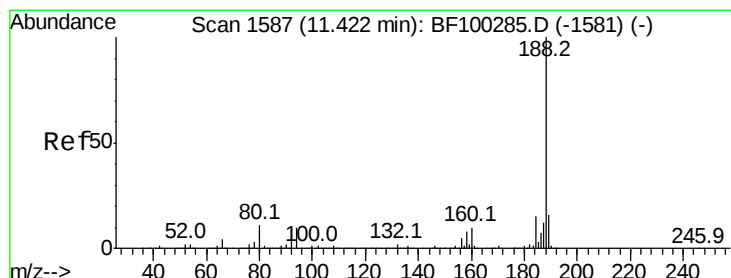
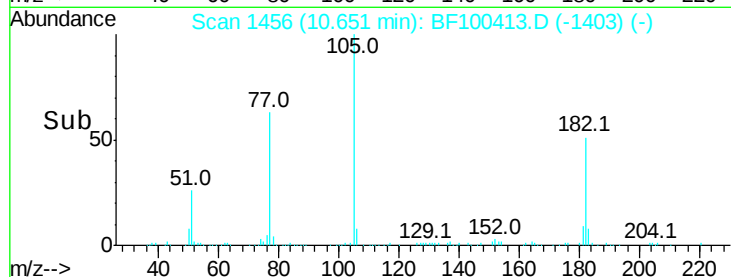
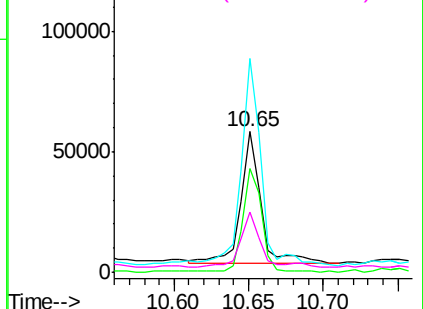


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: BF100413.D

Acq: 11 Nov 2017 1:40

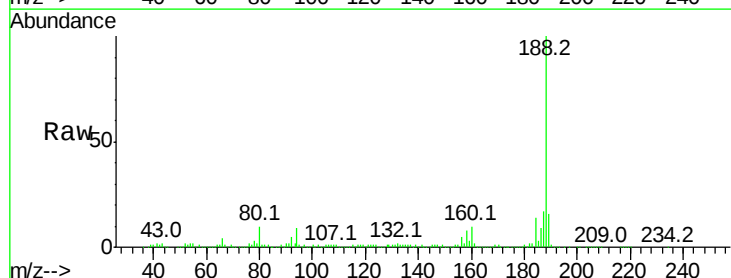
Tgt Ion: 188 Resp: 359837

Ion Ratio Lower Upper

188 100

94 9.5 8.5 12.7

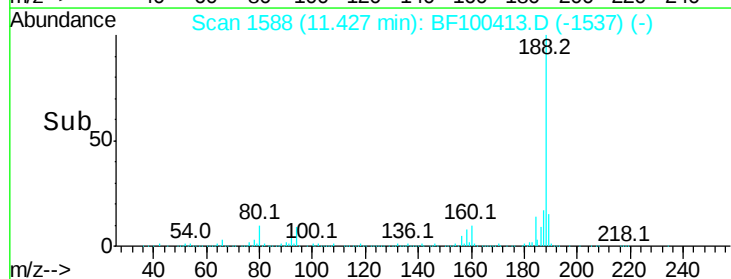
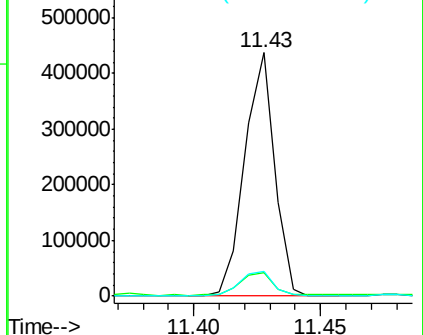
80 10.0 9.2 13.8

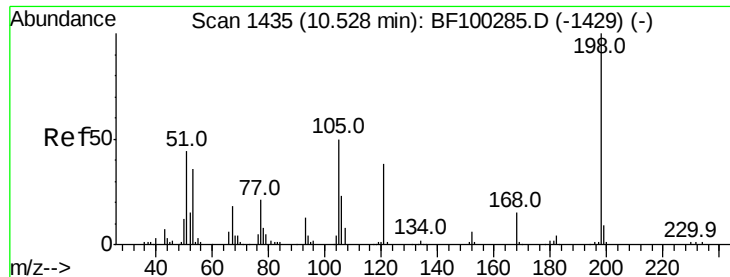


Abundance Ion 188.00 (187.70 to 188.70): BF1

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: 8.687 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.02 min

Lab File: BF100413.D

Acq: 11 Nov 2017 1:40

Instrument :

BNA_F

ClientSampleId :

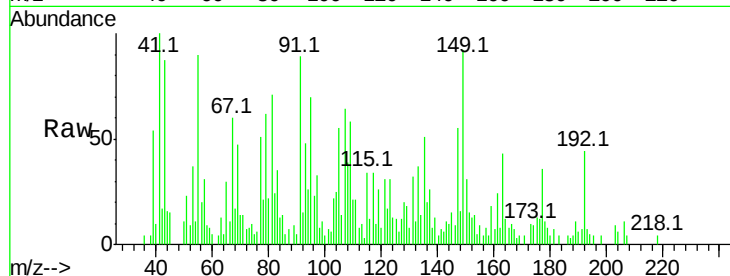
Tot Ion:198 Resp: 259

Ion Ratio Lower Upper

198 100

51 637.1 37.7 77.7#

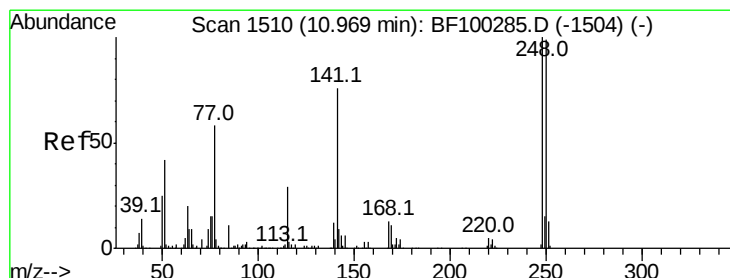
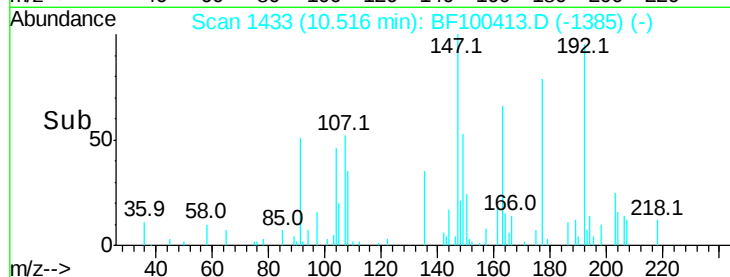
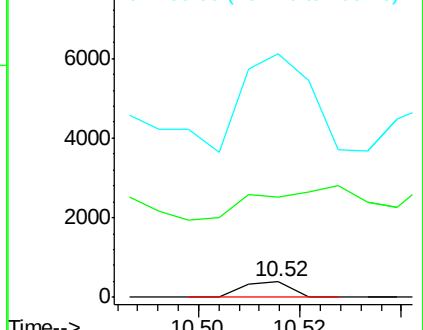
105 1551.3 36.3 76.3#



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: 4.369 ng

RT: 10.73 min Scan# 1469

Delta R.T. -0.24 min

Lab File: BF100413.D

Acq: 11 Nov 2017 1:40

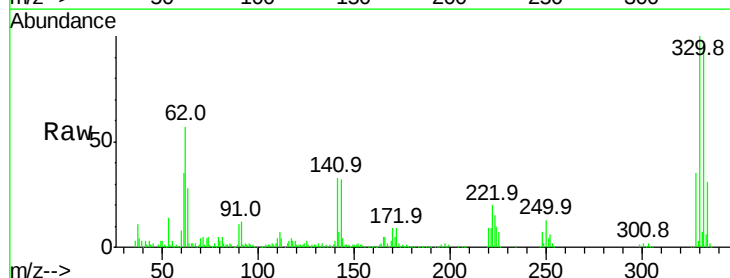
Tgt Ion:248 Resp: 16853

Ion Ratio Lower Upper

248 100

250 206.7 76.9 115.3#

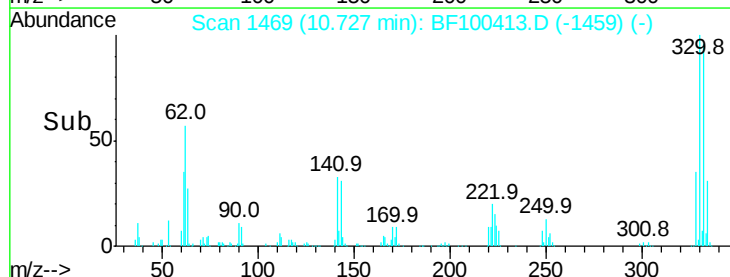
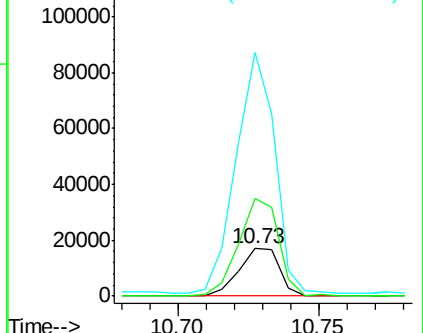
141 512.8 74.4 111.6#

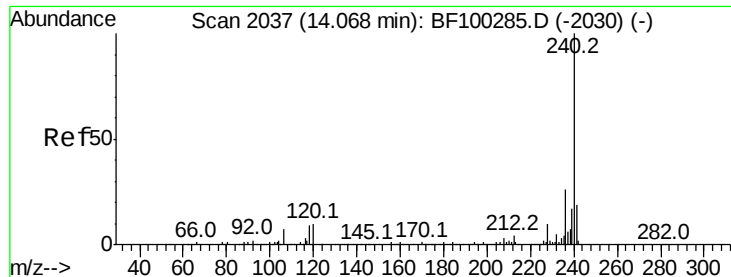


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF100413.D

Acq: 11 Nov 2017 1:40

Instrument :

BNA_F

ClientSampleId :

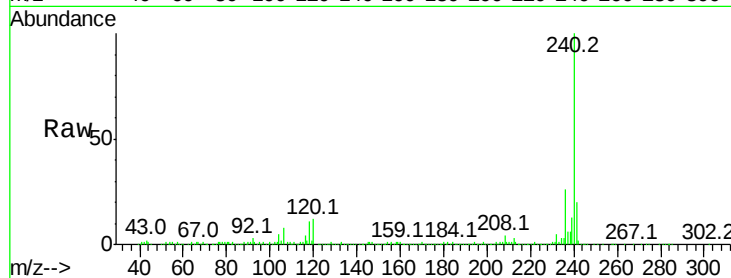
Tot Ion:240 Resp: 301628

Ion Ratio Lower Upper

240 100

120 12.3 9.5 14.3

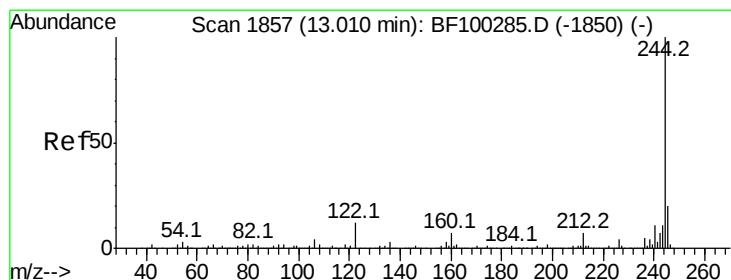
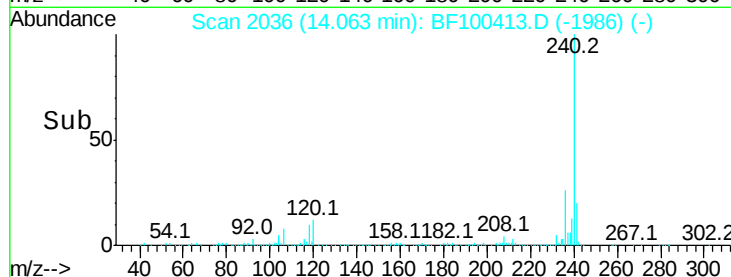
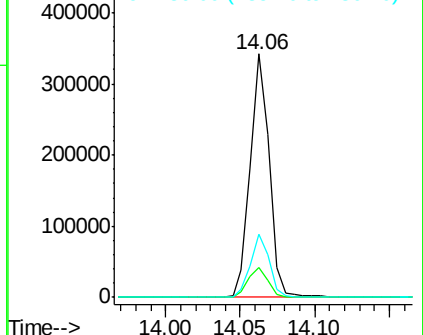
236 25.7 20.7 31.1



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



#78

Terphenyl-d14

Concen: 77.281 ng

RT: 13.01 min Scan# 1857

Delta R.T. -0.00 min

Lab File: BF100413.D

Acq: 11 Nov 2017 1:40

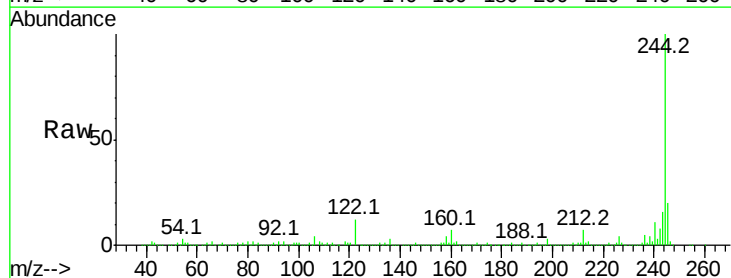
Tgt Ion:244 Resp: 1014495

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

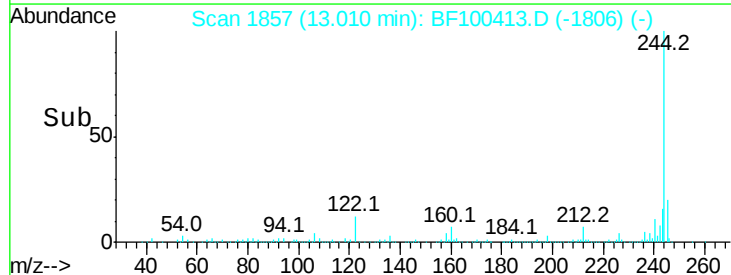
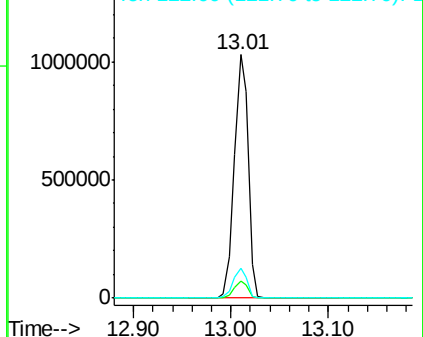
122 12.1 11.0 16.4

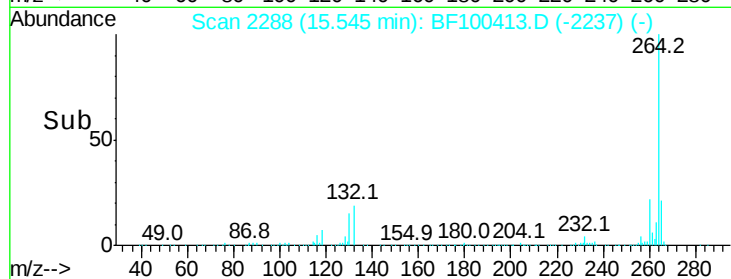
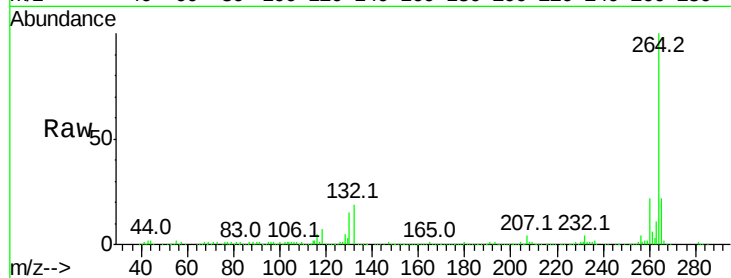
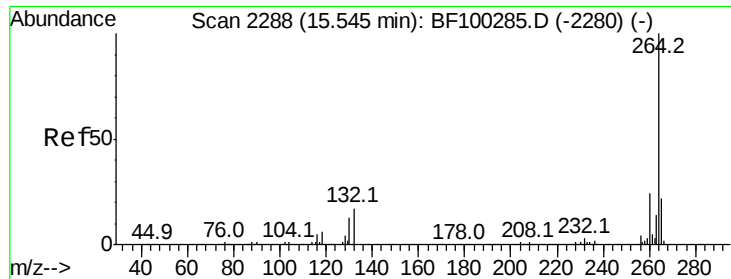


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.54 min Scan# 2288

Delta R.T. -0.00 min

Lab File: BF100413.D

Acq: 11 Nov 2017 1:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 237767

Ion Ratio Lower Upper

264 100

260 22.0 19.2 28.8

265 21.6 17.5 26.3

