

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
 Data File : BF103286.D
 Acq On : 28 Feb 2018 2:28
 Operator : SJ/JU
 Sample : J1683-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 03:58:09 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	165068	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	624639	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	246509	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	362900	20.00	ng	0.00
75) Chrysene-d12	14.05	240	271334	20.00	ng	0.00
86) Perylene-d12	15.55	264	210135	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	287438	26.34	ng	0.00
7) Phenol-d6	6.52	99	483045	36.17	ng	0.00
23) Nitrobenzene-d5	7.45	82	863129	78.91	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	216540	103.78	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1159256	79.84	ng	0.00
78) Terphenyl-d14	12.99	244	915284	81.09	ng	0.00

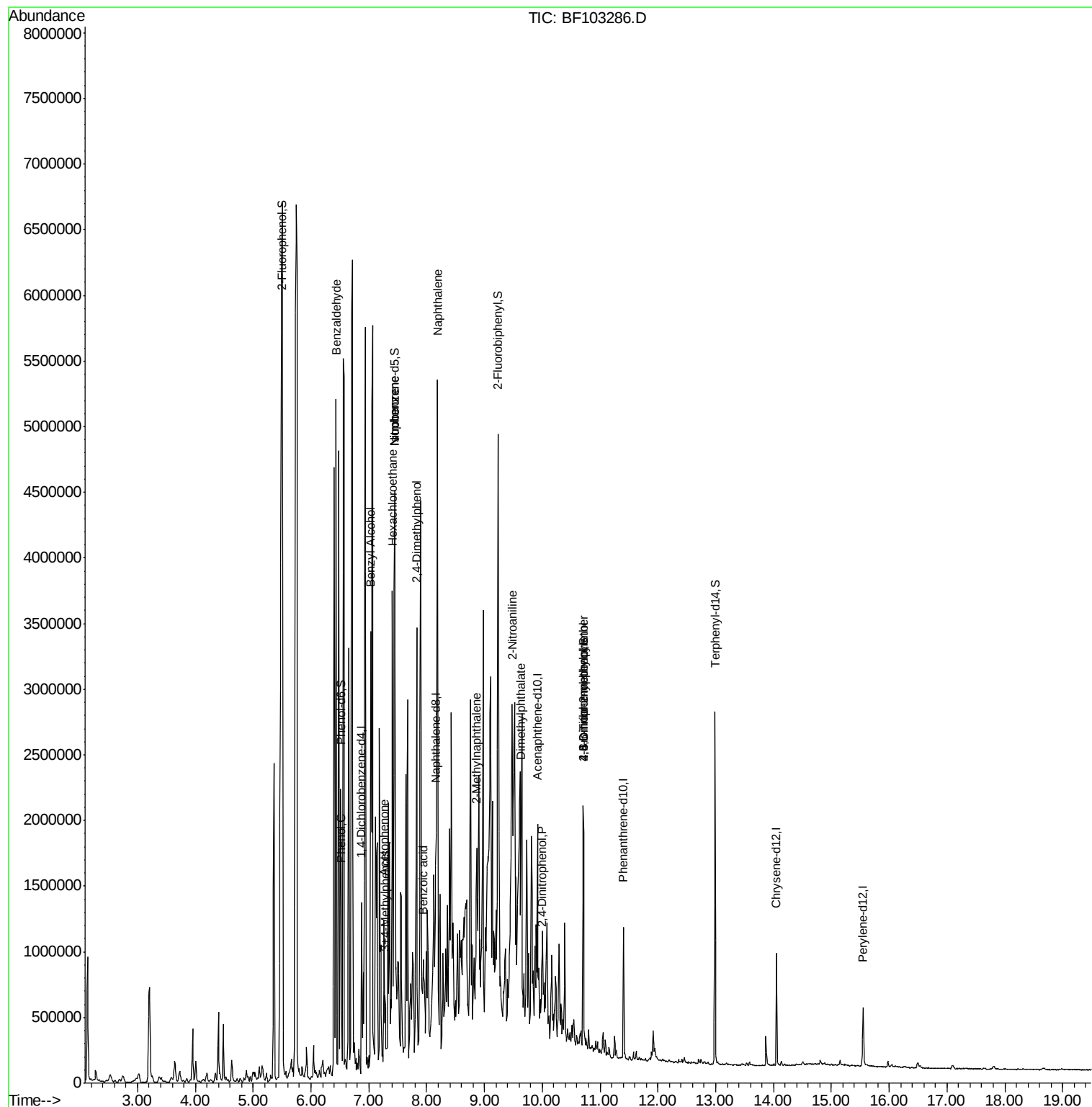
Target Compounds						Qvalue
9) Benzaldehyde	6.43	77	242023	27.19	ng	# 1
10) Phenol	6.53	94	32046	2.07	ng	# 69
15) Benzyl Alcohol	7.03	79	25222	2.51	ng	# 37
18) Hexachloroethane	7.40	117	251072	53.09	ng	# 1
20) 3+4-Methylphenols	7.29	107	56150	4.47	ng	# 53
22) Acetophenone	7.26	105	481310	33.01	ng	# 58
24) Nitrobenzene	7.45	77	39368	3.27	ng	# 1
25) Isophorone	7.45	82	847253	39.33	ng	# 64
27) 2,4-Dimethylphenol	7.83	122	271651	31.35	ng	# 91
31) Naphthalene	8.19	128	2683159	87.74	ng	# 98
32) Benzoic acid	7.93	122	50264	13.61	ng	# 45
37) 2-Methylnaphthalene	8.87	142	138011	6.98	ng	# 96
47) 2-Nitroaniline	9.48	65	69118	11.42	ng	# 22
49) Dimethylphthalate	9.63	163	49329	2.49	ng	# 1
53) 2,4-Dinitrophenol	9.99	184	109	9.69	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.72	198	621	5.20	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	14685	3.88	ng	# 1

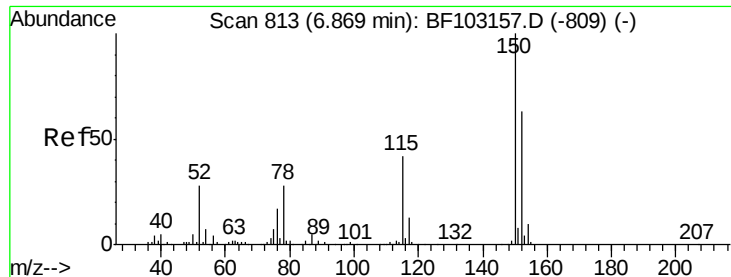
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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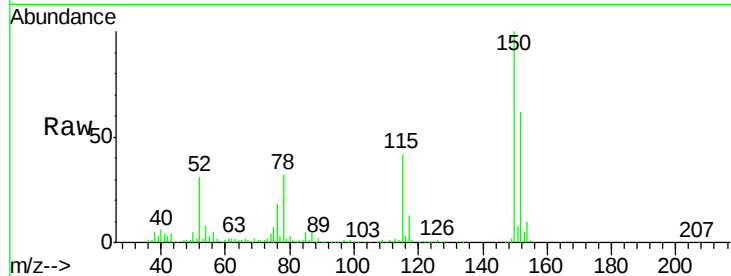


#1

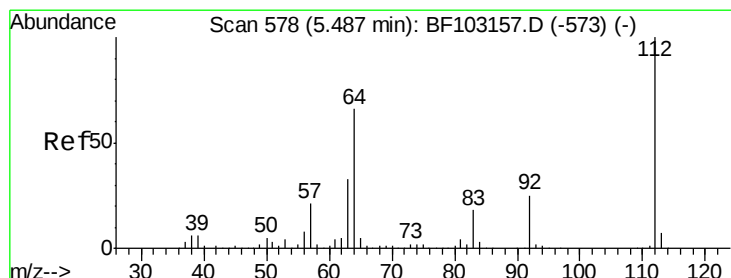
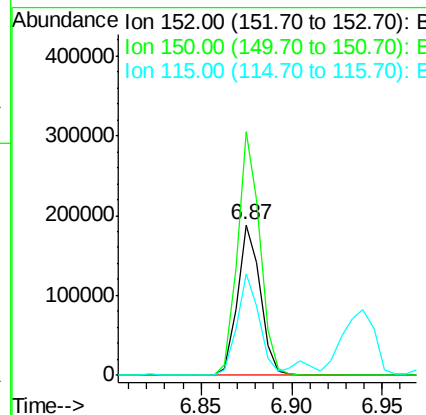
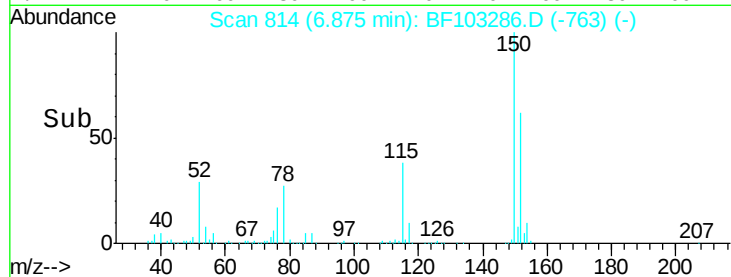
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF103286.D
Acq: 28 Feb 2018 2:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.0	124.6	186.8
115	67.7	50.1	75.1



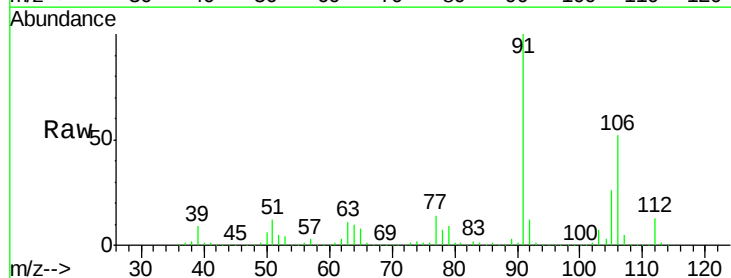
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



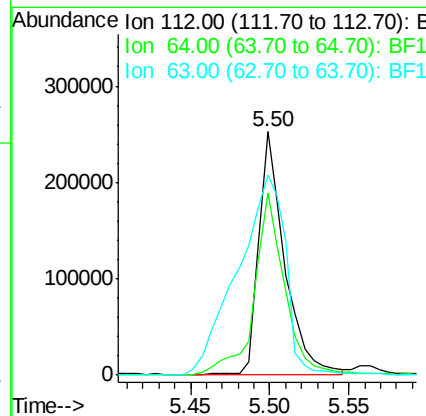
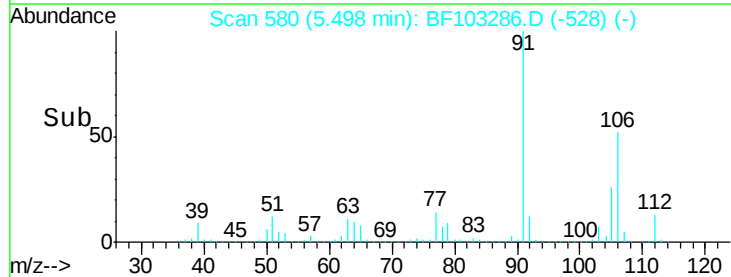
#5

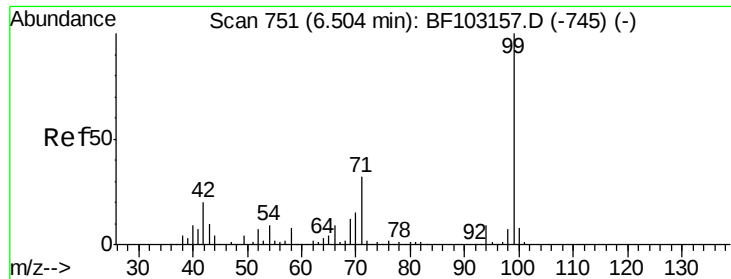
2-Fluorophenol
Concen: 26.34 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103286.D
Acq: 28 Feb 2018 2:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.6	47.9	71.9#
63	82.3	23.7	35.5#



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





#7

Phenol-d6

Concen: 36.17 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103286.D

Acq: 28 Feb 2018 2:28

Instrument :

BNA_F

ClientSampleId :

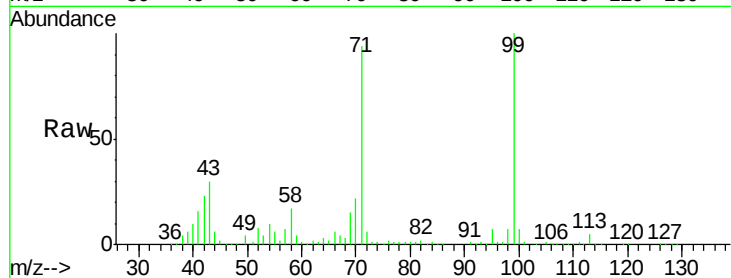
Tot Ion: 99 Resp: 483045

Ion Ratio Lower Upper

99 100

42 23.5 14.5 21.7#

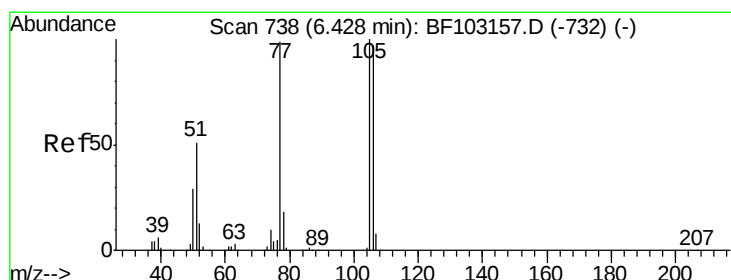
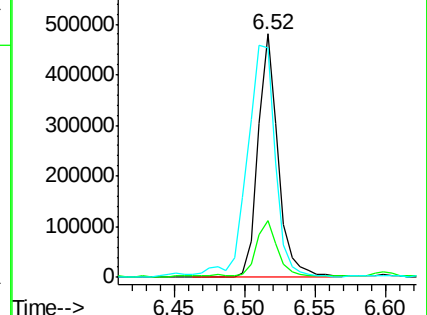
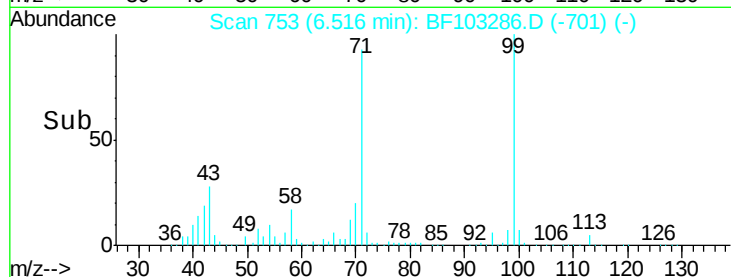
71 94.3 25.4 38.0#



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: 27.19 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BF103286.D

Acq: 28 Feb 2018 2:28

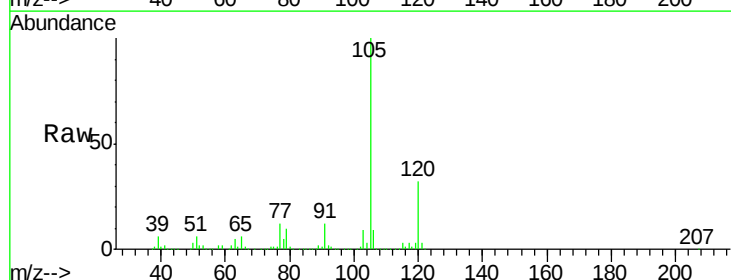
Tgt Ion: 77 Resp: 242023

Ion Ratio Lower Upper

77 100

105 811.1 81.1 121.1#

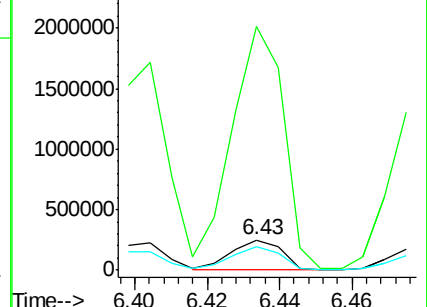
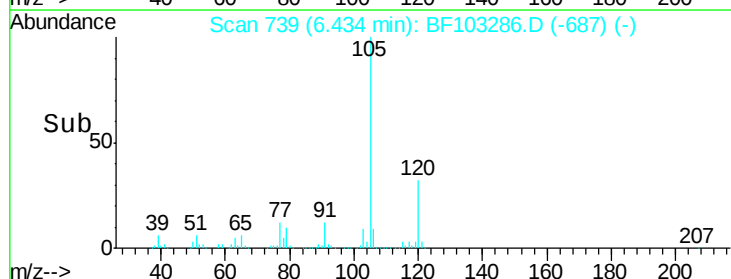
106 76.7 74.5 114.5

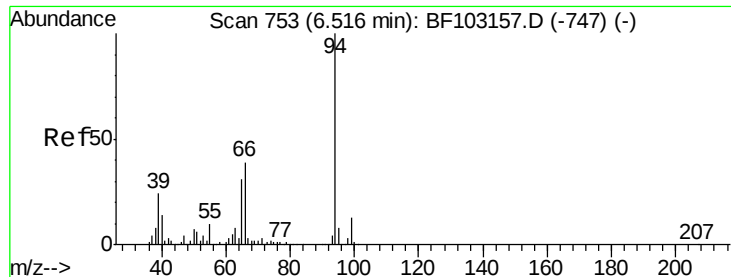


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.07 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF103286.D

Acq: 28 Feb 2018 2:28

Instrument :

BNA_F

ClientSampleId :

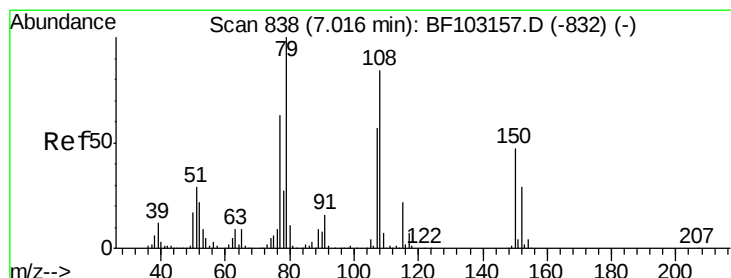
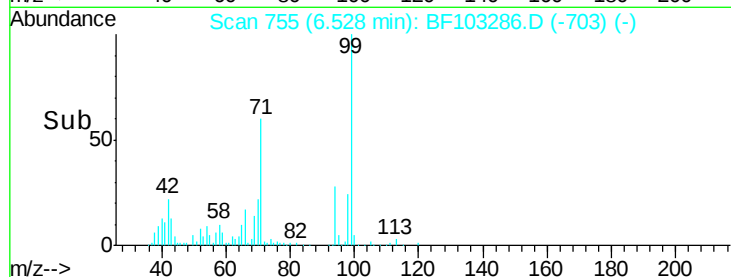
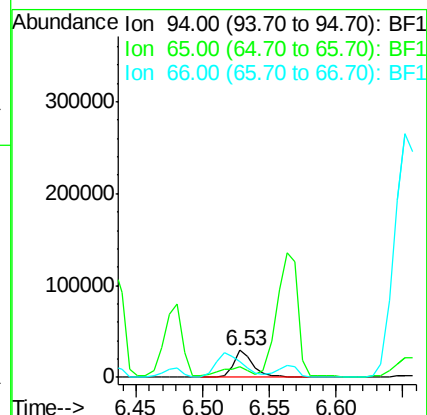
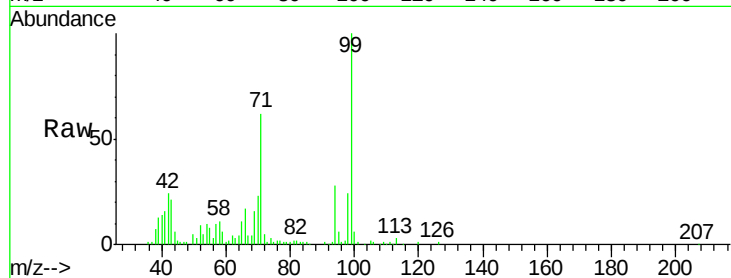
Tot Ion: 94 Resp: 32046

Ion Ratio Lower Upper

94 100

65 39.1 7.9 47.9

66 59.4 16.2 56.2#



#15

Benzyl Alcohol

Concen: 2.51 ng

RT: 7.03 min Scan# 841

Delta R.T. 0.02 min

Lab File: BF103286.D

Acq: 28 Feb 2018 2:28

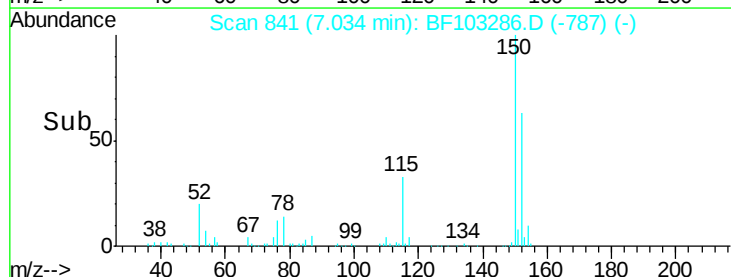
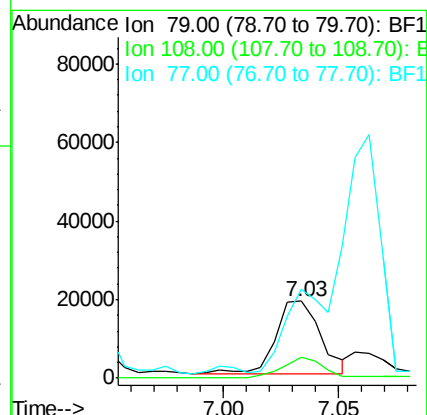
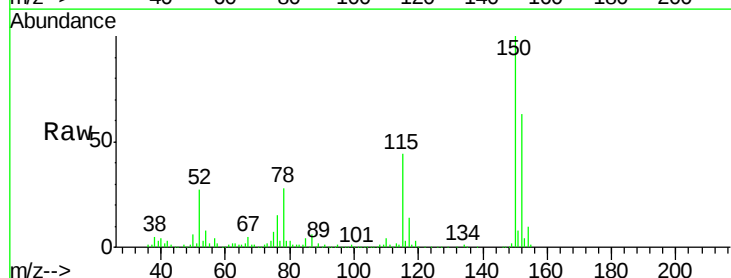
Tgt Ion: 79 Resp: 25222

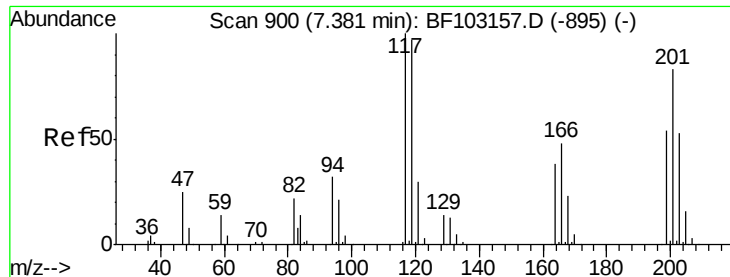
Ion Ratio Lower Upper

79 100

108 27.2 65.1 97.7#

77 115.0 50.6 75.8#

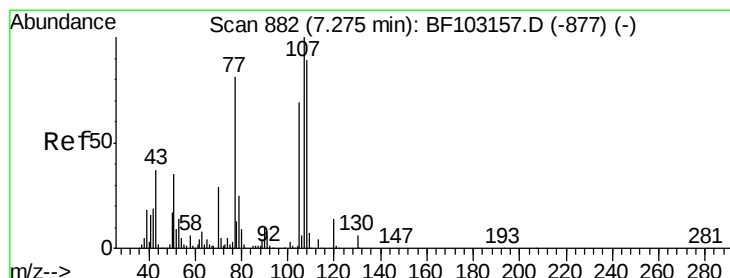
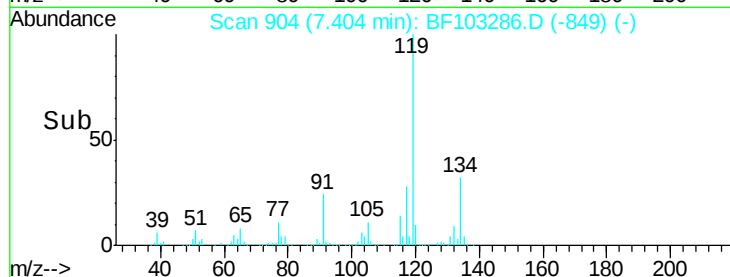
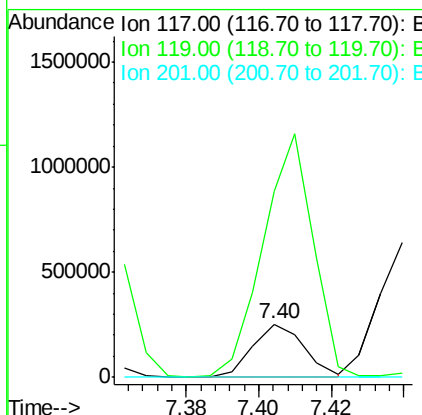
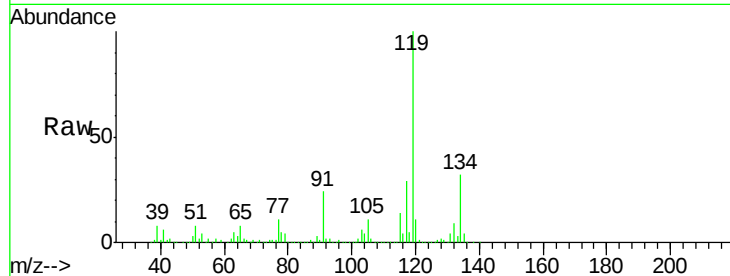




#18
Hexachloroethane
Concen: 53.09 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.02 min
Lab File: BF103286.D
Acq: 28 Feb 2018 2:28

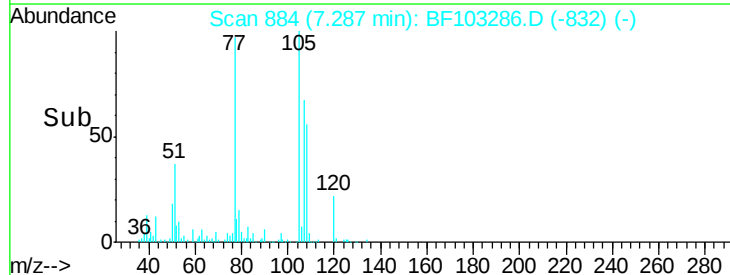
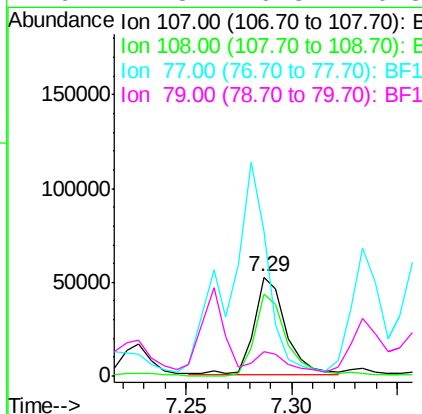
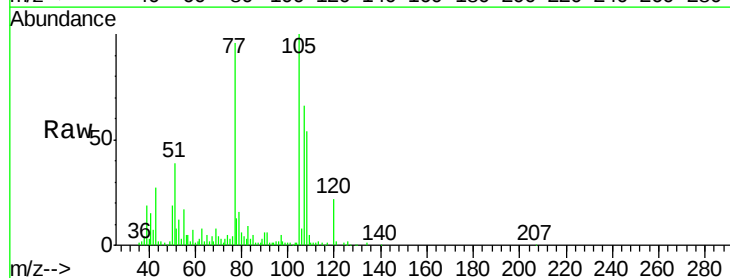
Instrument :
BNA_F
ClientSampleId :

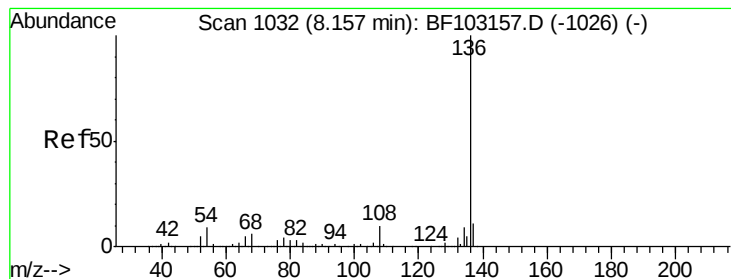
Tot Ion:117 Resp: 251072
Ion Ratio Lower Upper
117 100
119 347.2 75.8 113.8#
201 0.0 75.7 113.5#



#20
3+4-Methylphenols
Concen: 4.47 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.01 min
Lab File: BF103286.D
Acq: 28 Feb 2018 2:28

Tgt Ion:107 Resp: 56150
Ion Ratio Lower Upper
107 100
108 82.4 68.2 108.2
77 145.8 26.7 66.7#
79 24.8 6.3 46.3





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 1033

Delta R.T. 0.01 min

Lab File: BF103286.D

Acq: 28 Feb 2018 2:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 624639

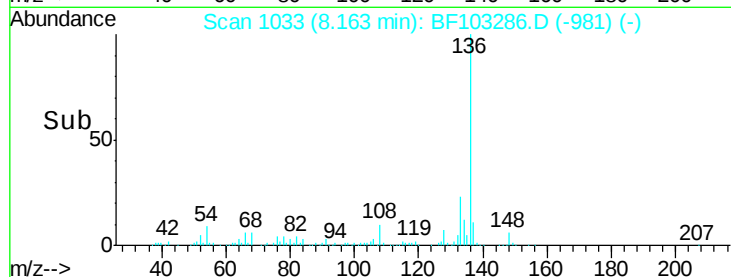
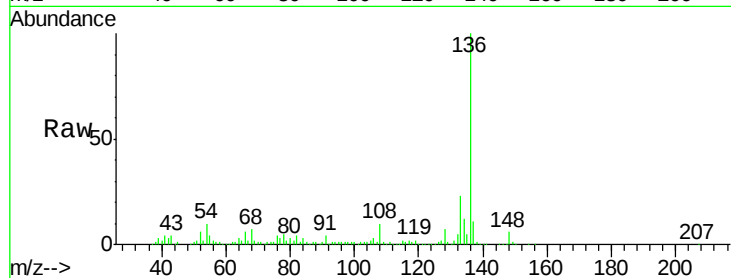
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 9.6 6.6 9.8

68 6.6 5.0 7.4

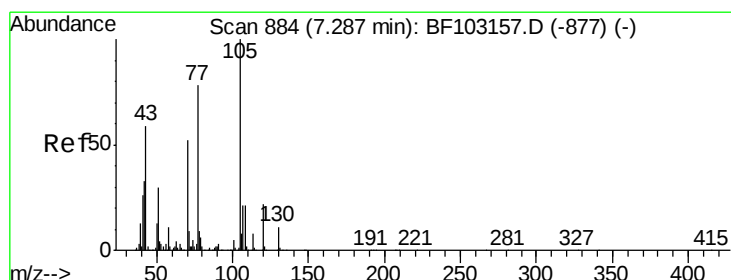
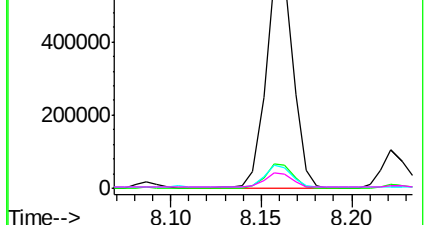


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 33.01 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF103286.D

Acq: 28 Feb 2018 2:28

Tgt Ion:105 Resp: 481310

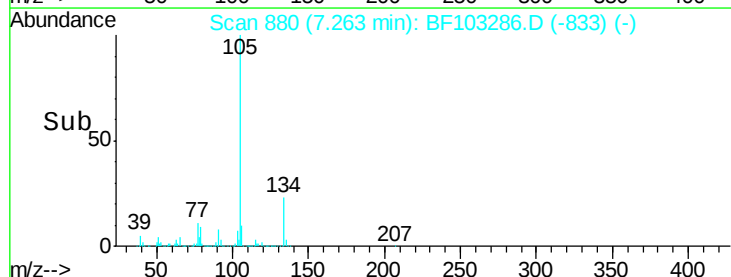
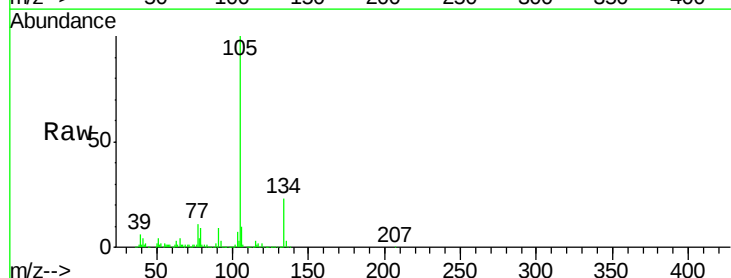
Ion Ratio Lower Upper

105 100

71 0.6 4.4 6.6#

51 4.5 22.3 33.5#

120 0.3 16.9 25.3#

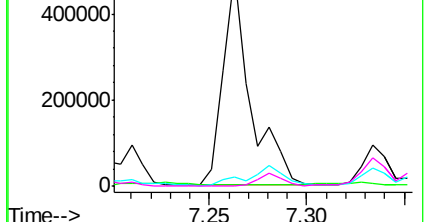


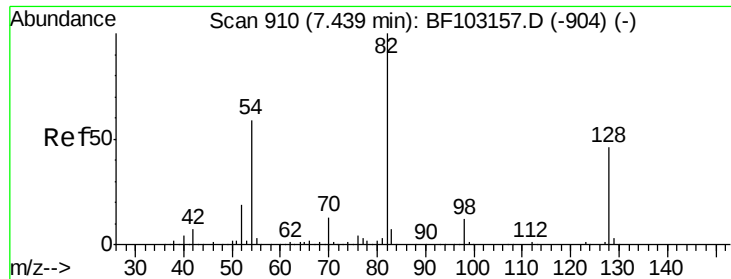
Abundance Ion 105.00 (104.70 to 105.70): E

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

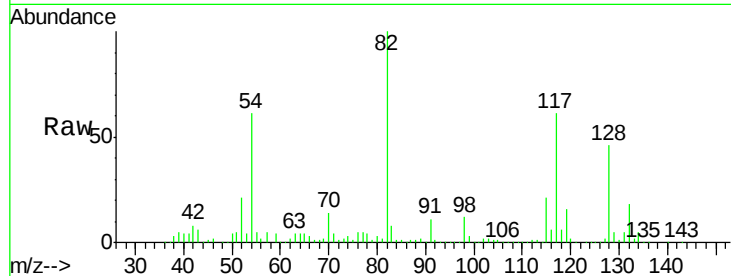




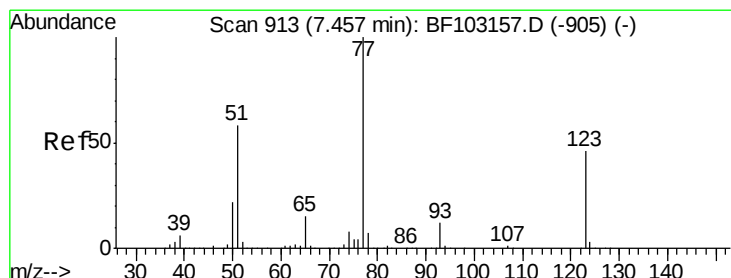
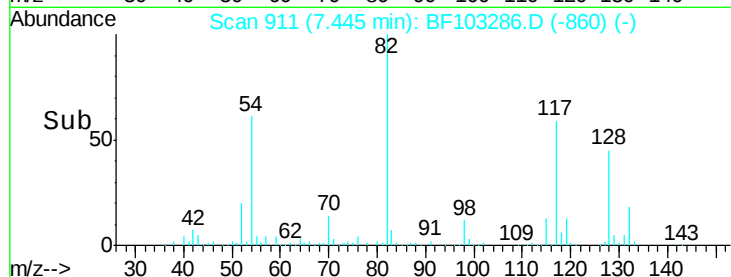
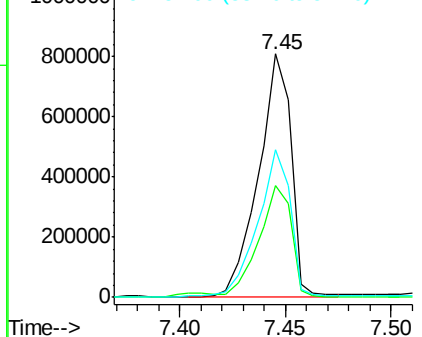
#23
 Nitrobenzene-d5
 Concen: 78.91 ng
 RT: 7.45 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: BF103286.D
 Acq: 28 Feb 2018 2:28

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 863129
 Ion Ratio Lower Upper
 82 100
 128 45.7 36.1 54.1
 54 60.9 41.4 62.2

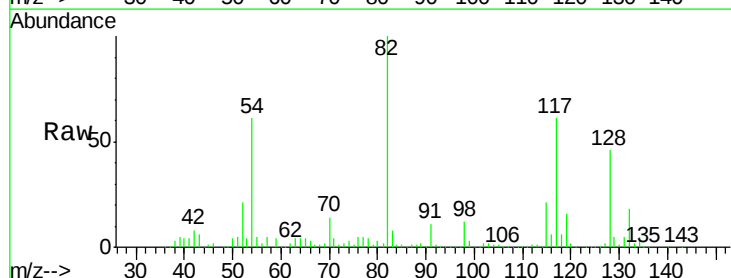


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

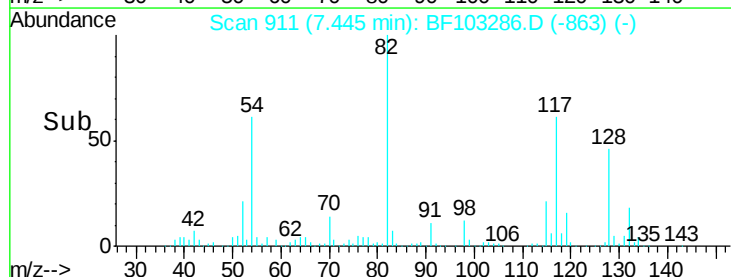
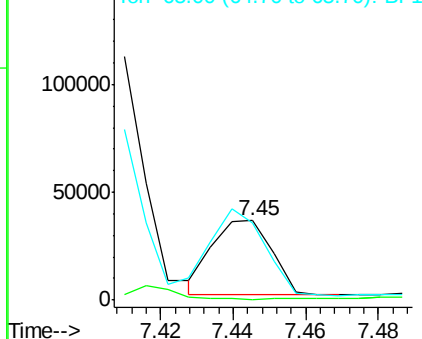


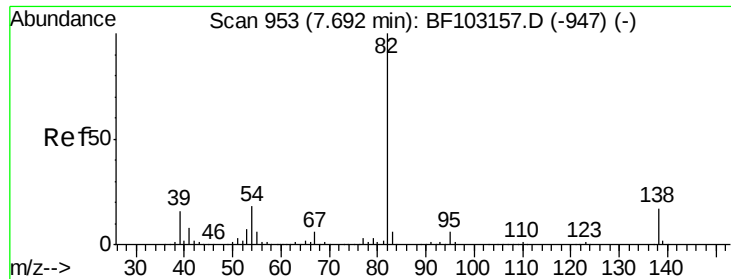
#24
 Nitrobenzene
 Concen: 3.27 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.02 min
 Lab File: BF103286.D
 Acq: 28 Feb 2018 2:28

Tgt Ion: 77 Resp: 39368
 Ion Ratio Lower Upper
 77 100
 123 0.9 37.9 56.9#
 65 97.7 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: 39.33 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.25 min

Lab File: BF103286.D

Acq: 28 Feb 2018 2:28

Instrument :

BNA_F

ClientSampled :

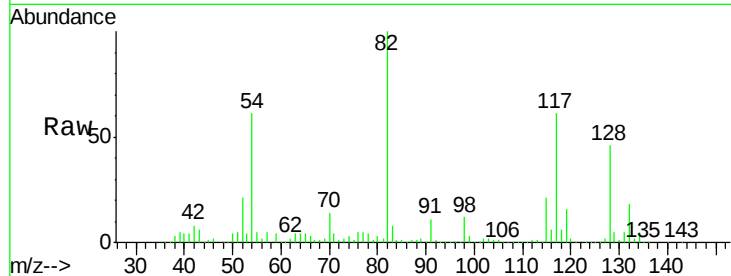
Tot Ion: 82 Resp: 847253

Ion Ratio Lower Upper

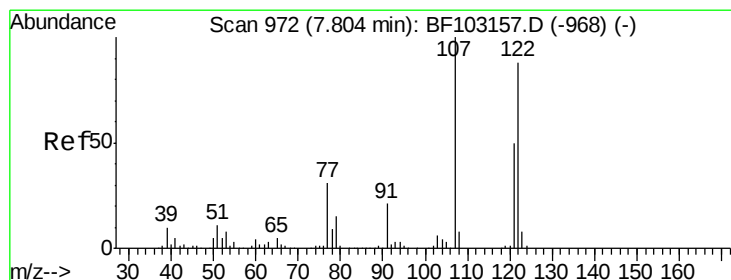
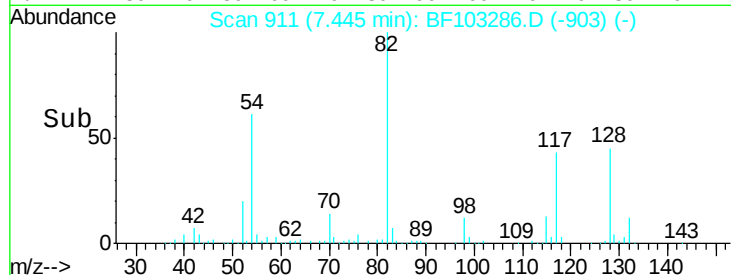
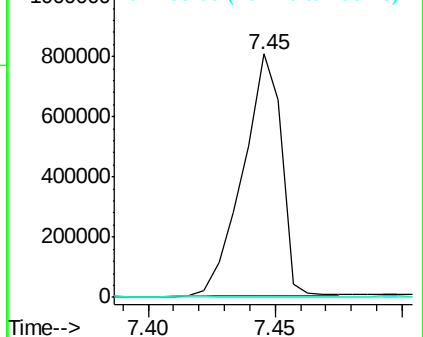
82 100

95 0.2 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#27

2,4-Dimethylphenol

Concen: 31.35 ng

RT: 7.83 min Scan# 976

Delta R.T. 0.02 min

Lab File: BF103286.D

Acq: 28 Feb 2018 2:28

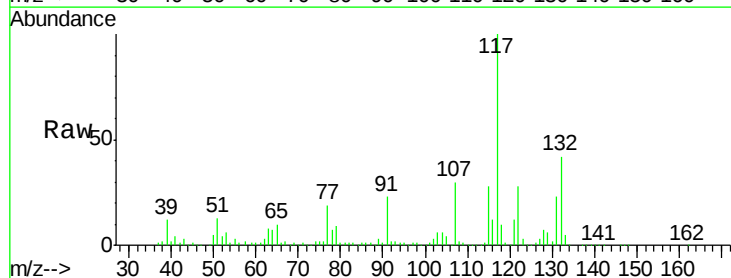
Tgt Ion: 122 Resp: 271651

Ion Ratio Lower Upper

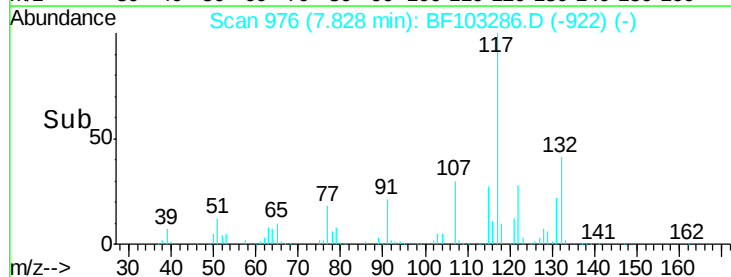
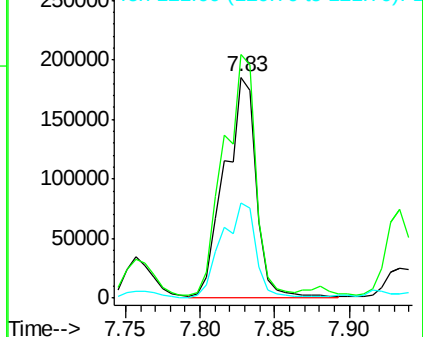
122 100

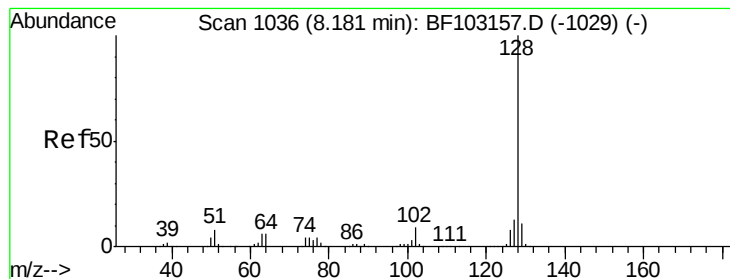
107 110.4 91.2 136.8

121 43.0 47.2 70.8#



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 107.00 (106.70 to 107.70): BF1
Ion 121.00 (120.70 to 121.70): BF1





#31

Naphthalene

Concen: 87.74 ng

RT: 8.19 min Scan# 1037

Delta R.T. 0.01 min

Lab File: BF103286.D

Acq: 28 Feb 2018 2:28

Instrument :

BNA_F

ClientSampleId :

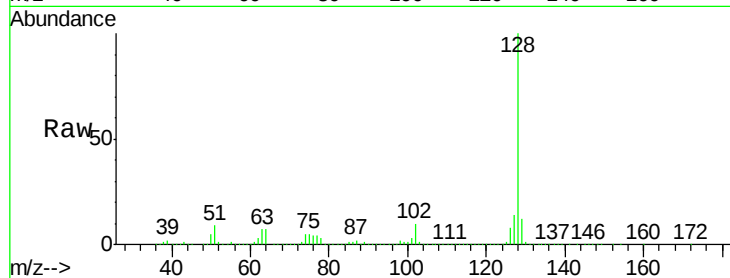
Tot Ion:128 Resp: 2683159

Ion Ratio Lower Upper

128 100

129 11.8 8.8 13.2

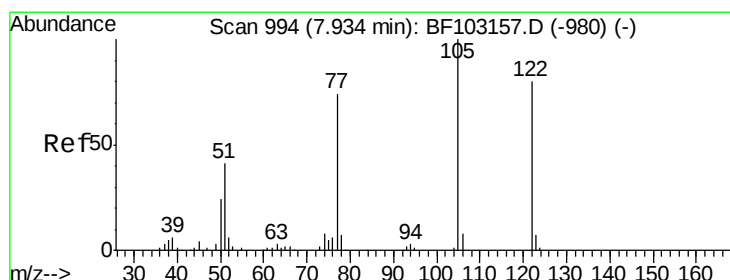
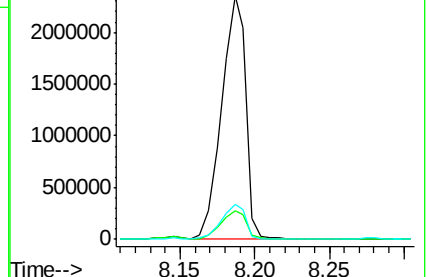
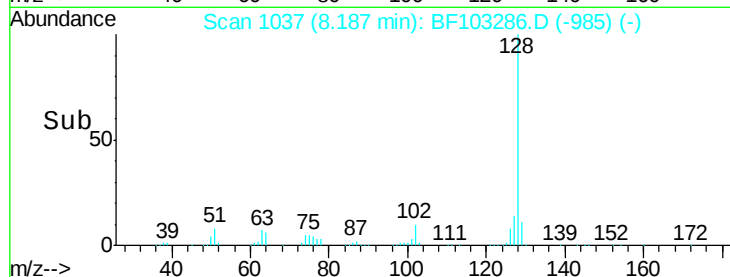
127 14.2 10.9 16.3



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: 13.61 ng

RT: 7.93 min Scan# 994

Delta R.T. -0.01 min

Lab File: BF103286.D

Acq: 28 Feb 2018 2:28

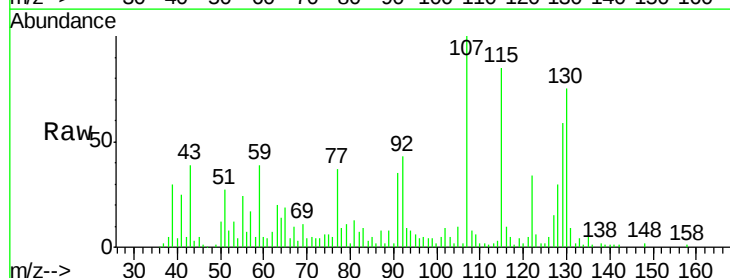
Tgt Ion:122 Resp: 50264

Ion Ratio Lower Upper

122 100

105 30.2 101.1 141.1#

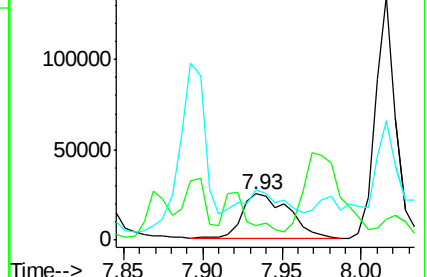
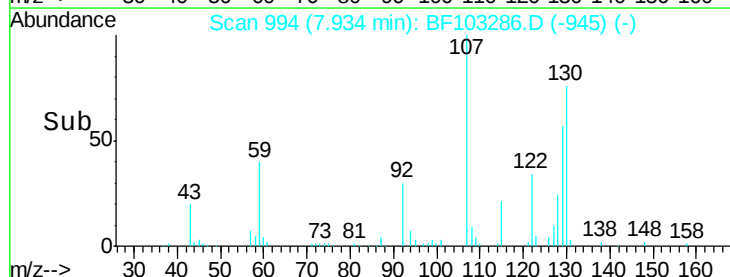
77 108.4 70.7 110.7

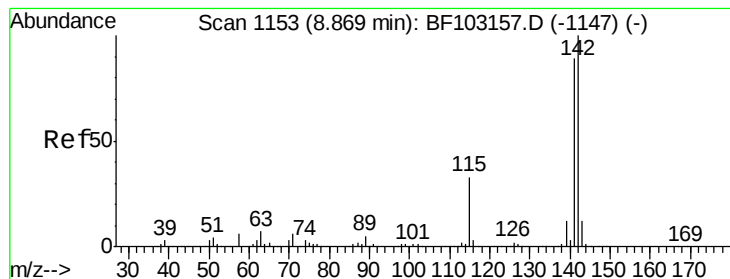


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#37

2-Methylnaphthalene

Concen: 6.98 ng

RT: 8.87 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BF103286.D

Acq: 28 Feb 2018 2:28

Instrument :

BNA_F

ClientSampleId :

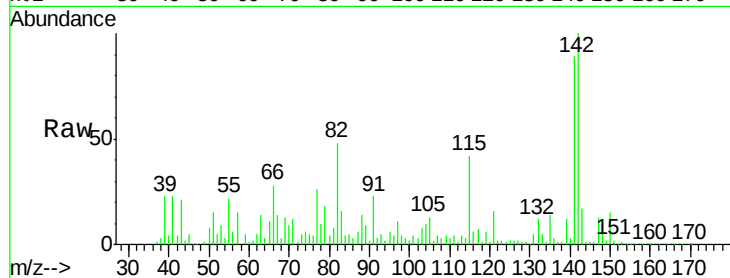
Tot Ion:142 Resp: 138011

Ion Ratio Lower Upper

142 100

141 88.5 70.8 106.2

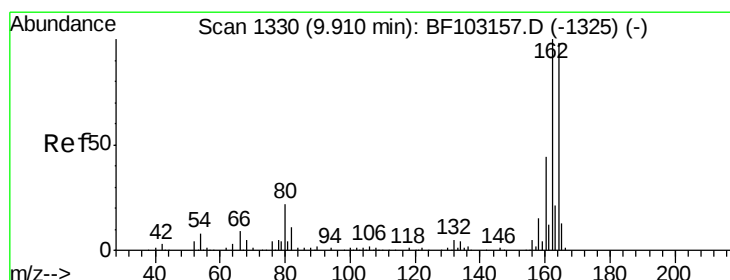
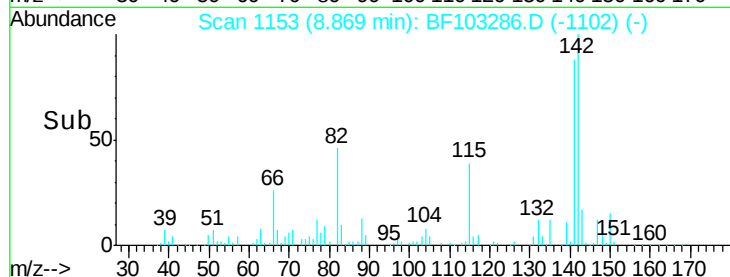
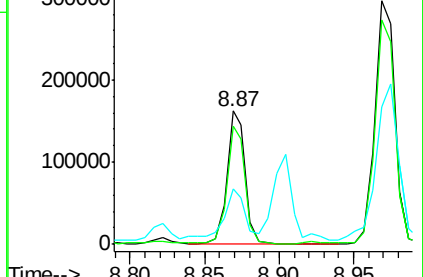
115 41.7 26.1 39.1#



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: 20.00 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.00 min

Lab File: BF103286.D

Acq: 28 Feb 2018 2:28

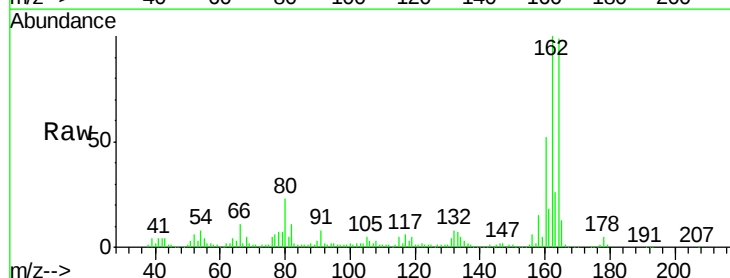
Tgt Ion:164 Resp: 246509

Ion Ratio Lower Upper

164 100

162 101.2 86.1 129.1

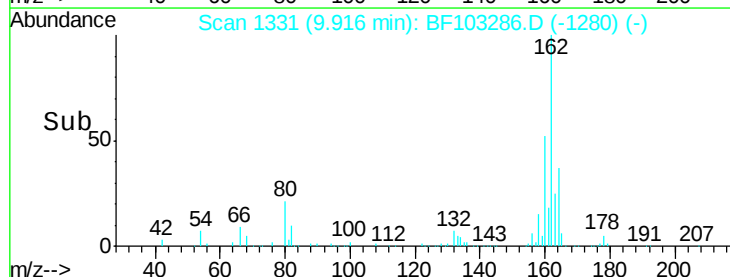
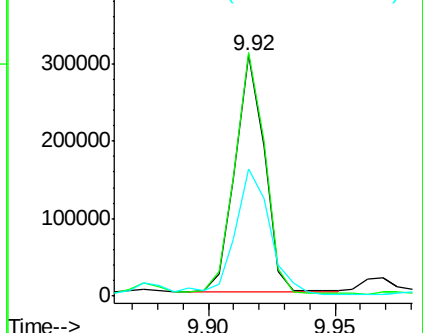
160 52.9 38.3 57.5

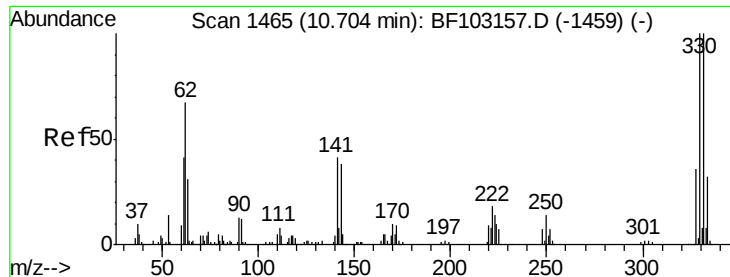


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

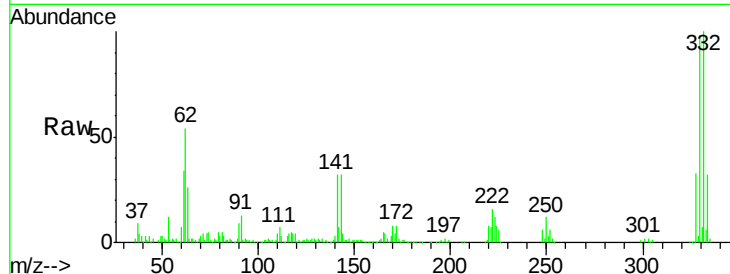




#41
 2,4,6-Tribromophenol
 Concen: 103.78 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.01 min
 Lab File: BF103286.D
 Acq: 28 Feb 2018 2:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.5	77.0	115.6
141	43.0	29.9	44.9

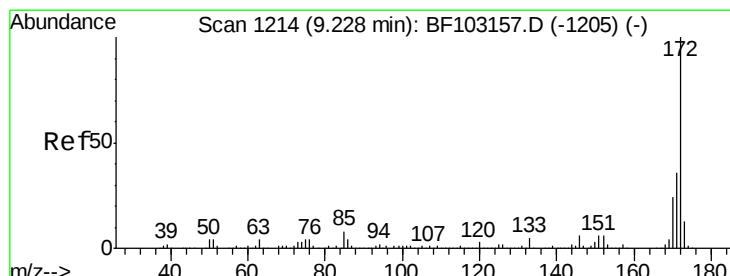
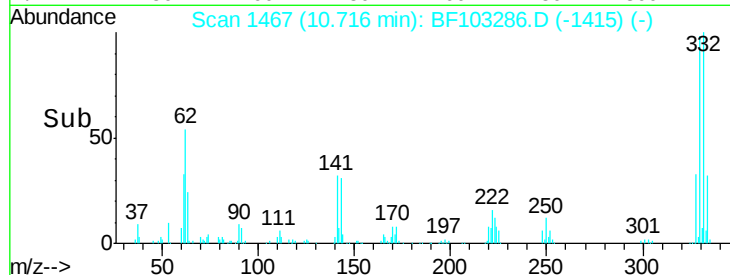
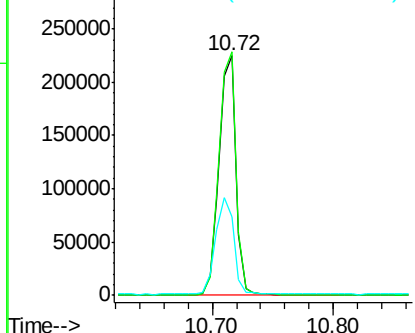


Abundance

Ion 329.80 (329.50 to 330.50): E

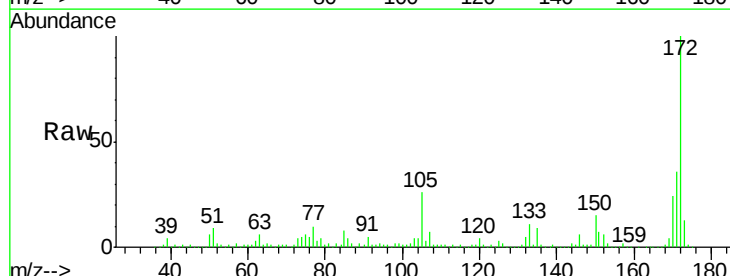
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 79.84 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. 0.00 min
 Lab File: BF103286.D
 Acq: 28 Feb 2018 2:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.3	19.6	29.4

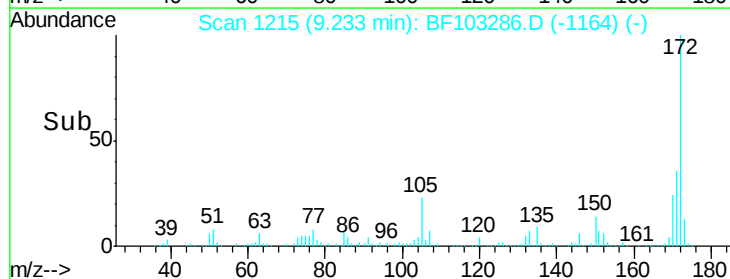
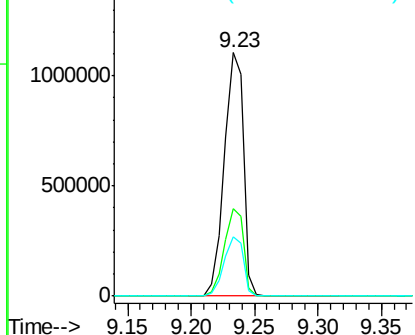


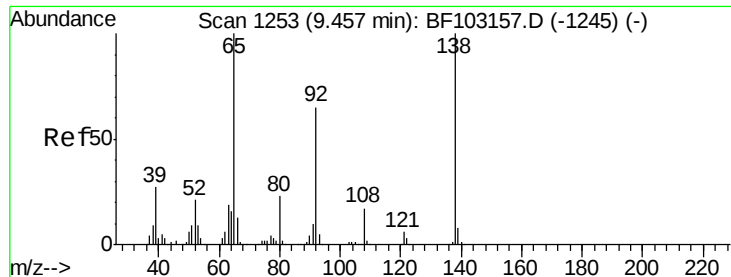
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#47

2-Nitroaniline

Concen: 11.42 ng

RT: 9.48 min Scan# 1257

Delta R.T. 0.02 min

Lab File: BF103286.D

Acq: 28 Feb 2018 2:28

Instrument :

BNA_F

ClientSampleId :

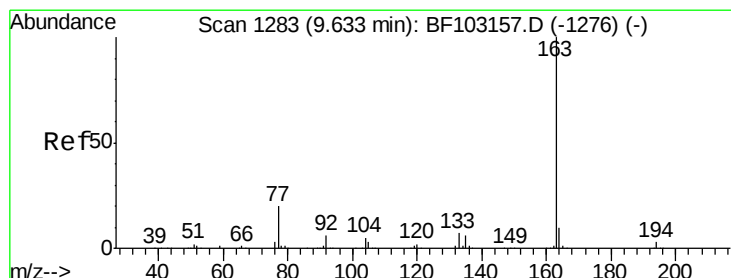
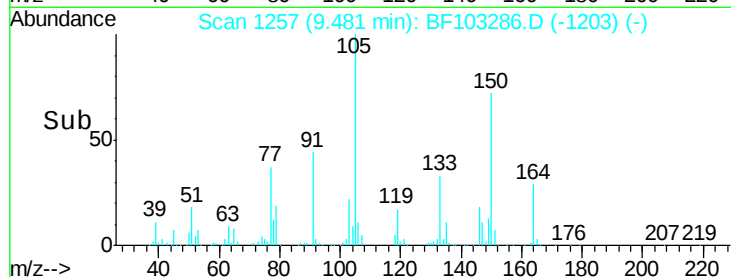
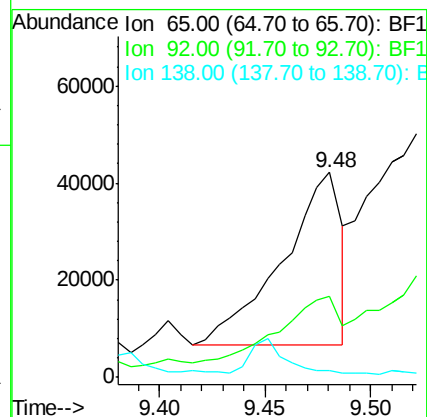
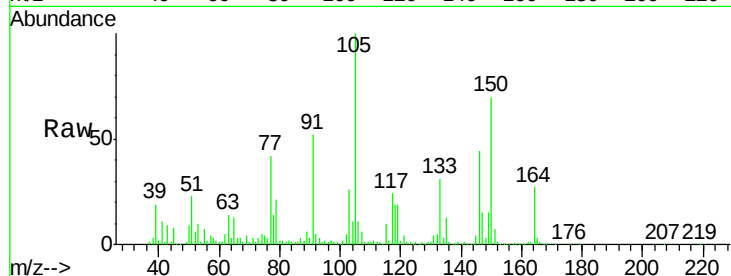
Tot Ion: 65 Resp: 69118

Ion Ratio Lower Upper

65 100

92 39.6 55.8 83.6#

138 3.2 91.2 136.8#



#49

Dimethylphthalate

Concen: 2.49 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF103286.D

Acq: 28 Feb 2018 2:28

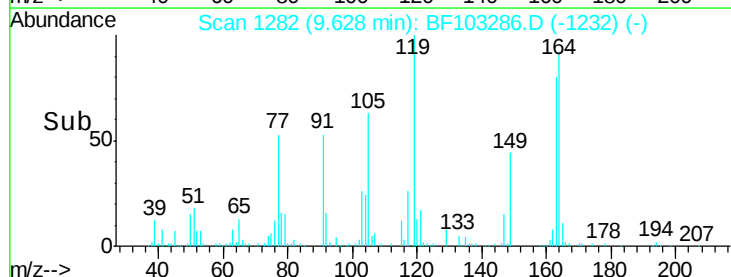
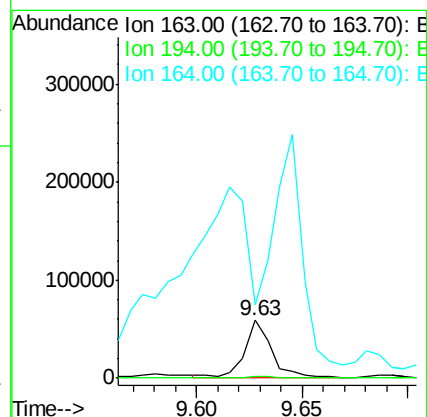
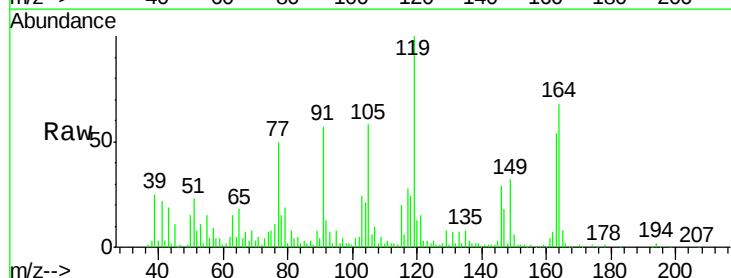
Tgt Ion: 163 Resp: 49329

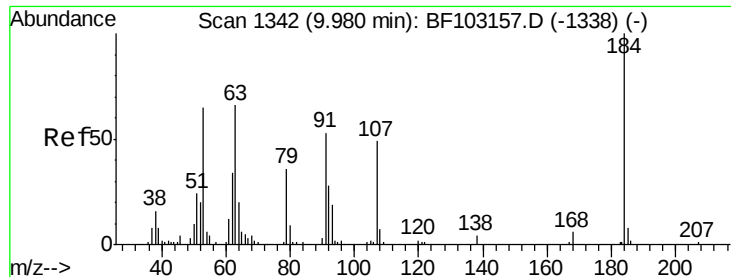
Ion Ratio Lower Upper

163 100

194 3.1 2.7 4.1

164 126.6 8.2 12.2#

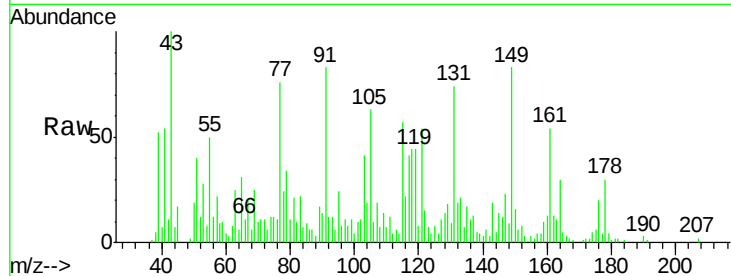




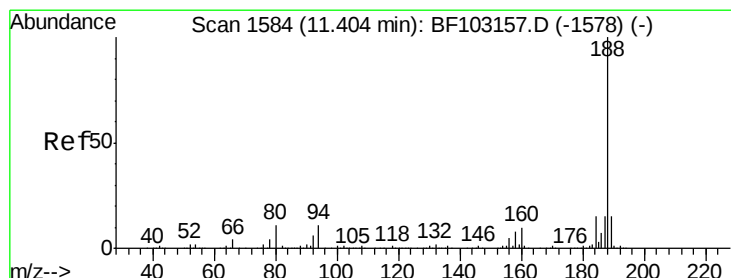
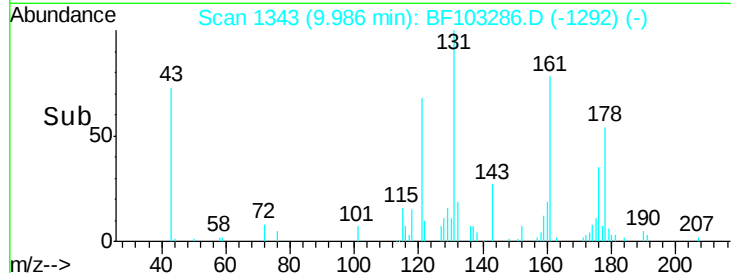
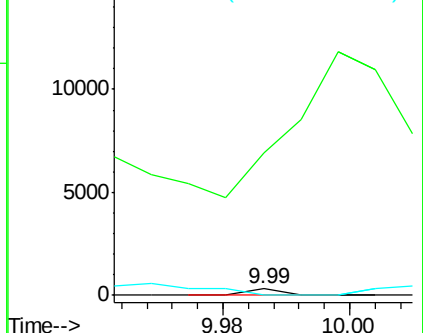
#53
 2,4-Dinitrophenol
 Concen: 9.69 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. 0.00 min
 Lab File: BF103286.D
 Acq: 28 Feb 2018 2:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:184 Resp: 109
 Ion Ratio Lower Upper
 184 100
 63 2245.5 54.2 81.2#
 154 0.0 184.0 276.0#

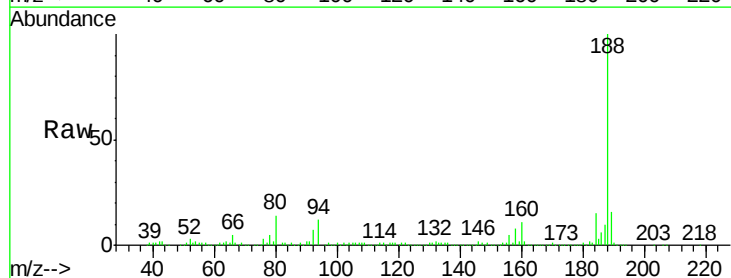


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E

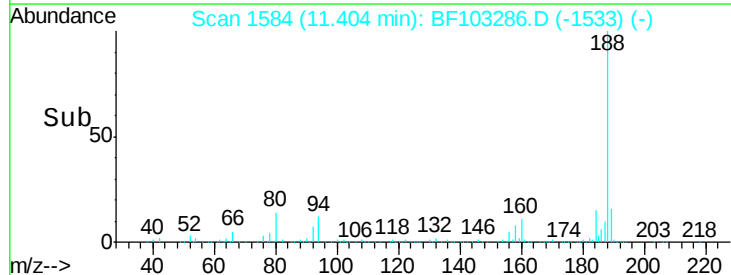
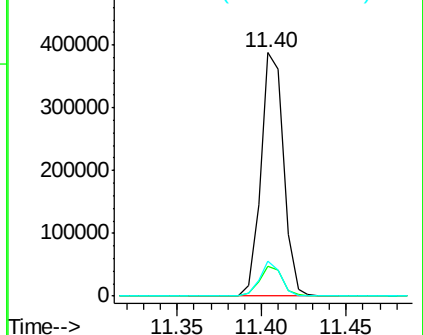


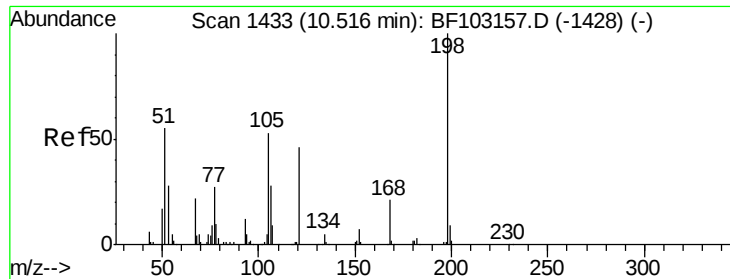
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BF103286.D
 Acq: 28 Feb 2018 2:28

Tgt Ion:188 Resp: 362900
 Ion Ratio Lower Upper
 188 100
 94 12.4 8.5 12.7
 80 14.1 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E
 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: 5.20 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.19 min

Lab File: BF103286.D

Acq: 28 Feb 2018 2:28

Instrument :

BNA_F

ClientSampled :

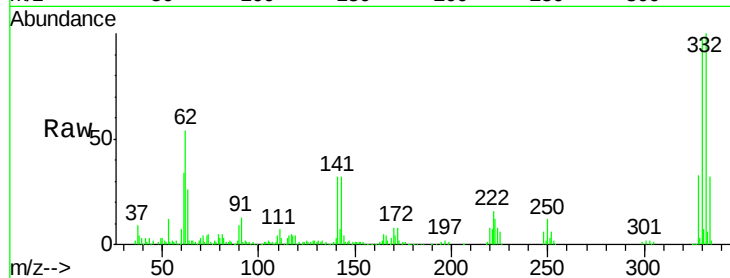
Tot Ion:198 Resp: 621

Ion Ratio Lower Upper

198 100

51 537.5 37.7 77.7#

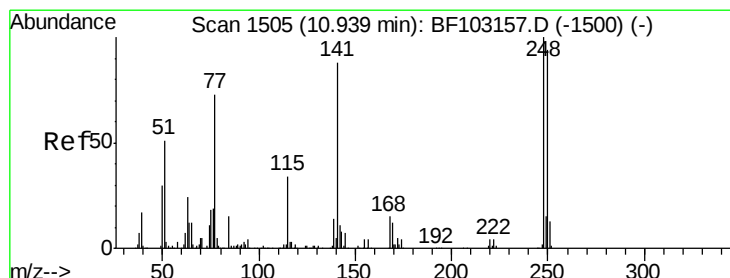
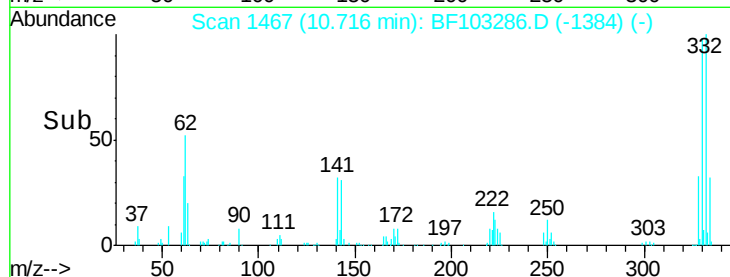
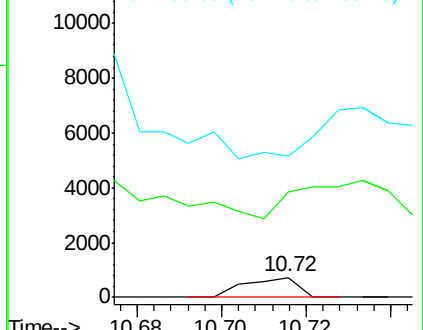
105 720.8 36.3 76.3#



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: 3.88 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.24 min

Lab File: BF103286.D

Acq: 28 Feb 2018 2:28

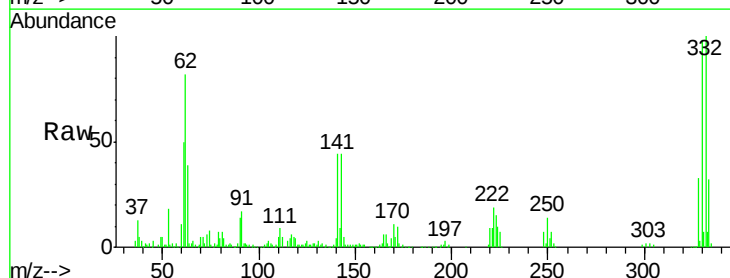
Tgt Ion:248 Resp: 14685

Ion Ratio Lower Upper

248 100

250 203.4 76.9 115.3#

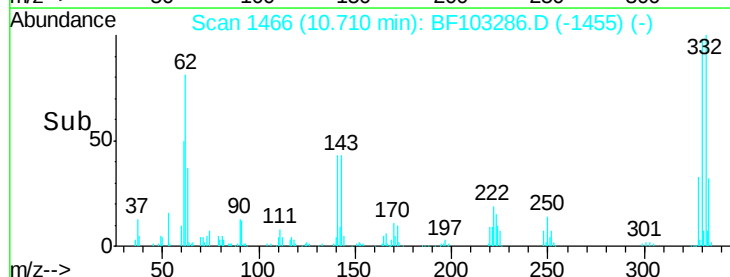
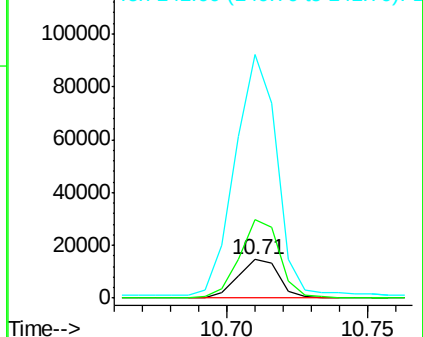
141 629.0 74.4 111.6#

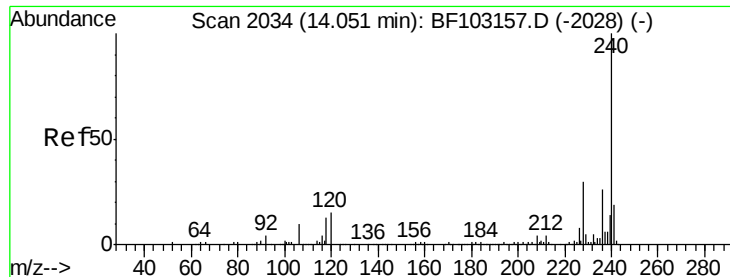


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103286.D

Acq: 28 Feb 2018 2:28

Instrument :

BNA_F

ClientSampleId :

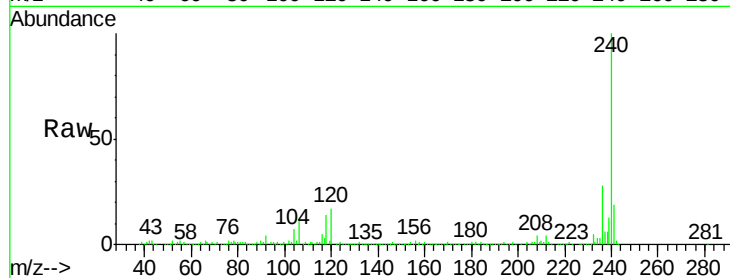
Tot Ion:240 Resp: 271334

Ion Ratio Lower Upper

240 100

120 16.9 9.5 14.3#

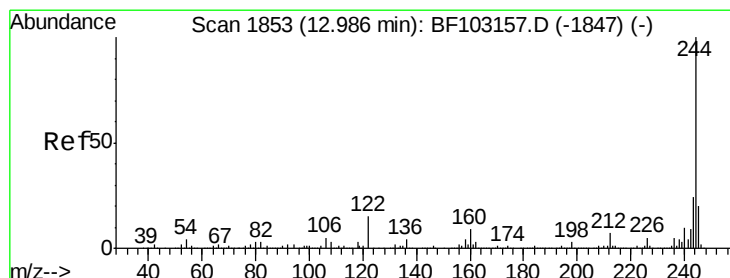
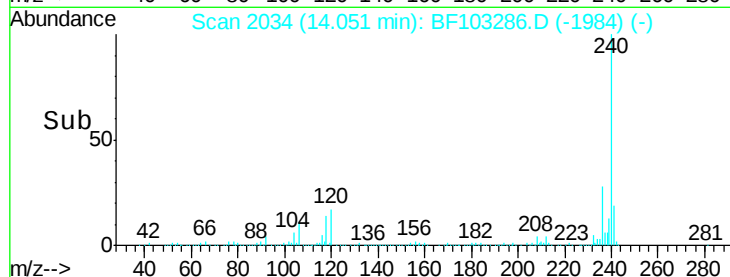
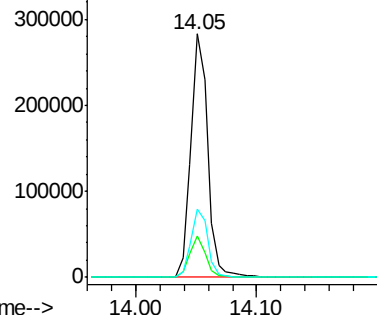
236 27.8 20.7 31.1



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: 81.09 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BF103286.D

Acq: 28 Feb 2018 2:28

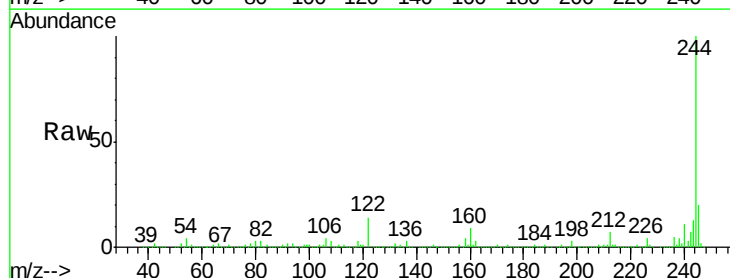
Tgt Ion:244 Resp: 915284

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

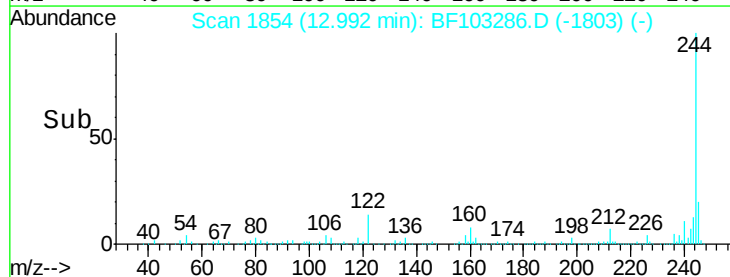
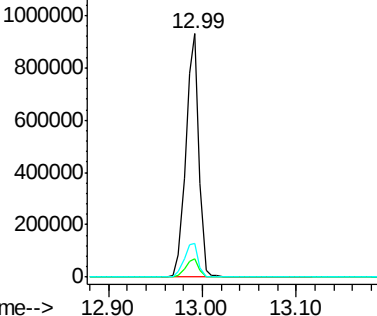
122 13.9 11.0 16.4

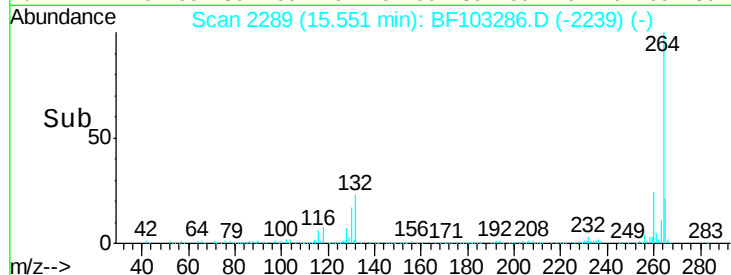
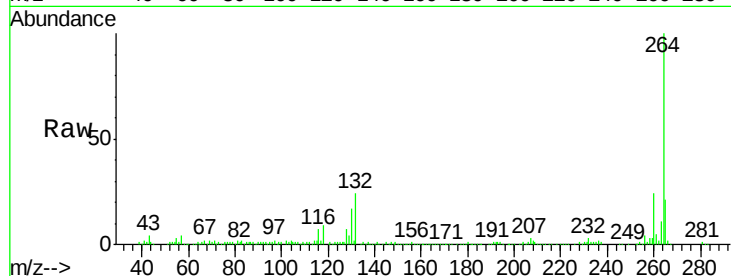
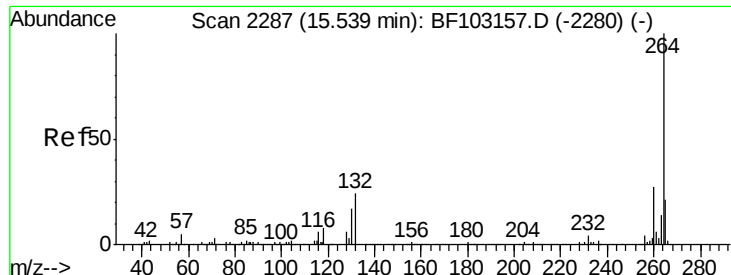


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.01 min
Lab File: BF103286.D
Acq: 28 Feb 2018 2:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	210135
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.2	28.8
265	20.9	17.5	26.3

