

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112017\
 Data File : BF100765.D
 Acq On : 21 Nov 2017 7:54
 Operator : SJ/JU
 Sample : I6538-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 21 11:49:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 15:22:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	84891	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	334230	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	142070	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	234611	20.00	ng	-0.01
75) Chrysene-d12	14.03	240	198281	20.00	ng	-0.01
86) Perylene-d12	15.50	264	154726	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	593196	112.01	ng	0.02
7) Phenol-d6	6.50	99	616404	94.39	ng	0.00
23) Nitrobenzene-d5	7.43	82	510469	100.97	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	186108	128.55	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	1033438	110.76	ng	-0.01
78) Terphenyl-d14	12.98	244	771434	89.39	ng	0.00

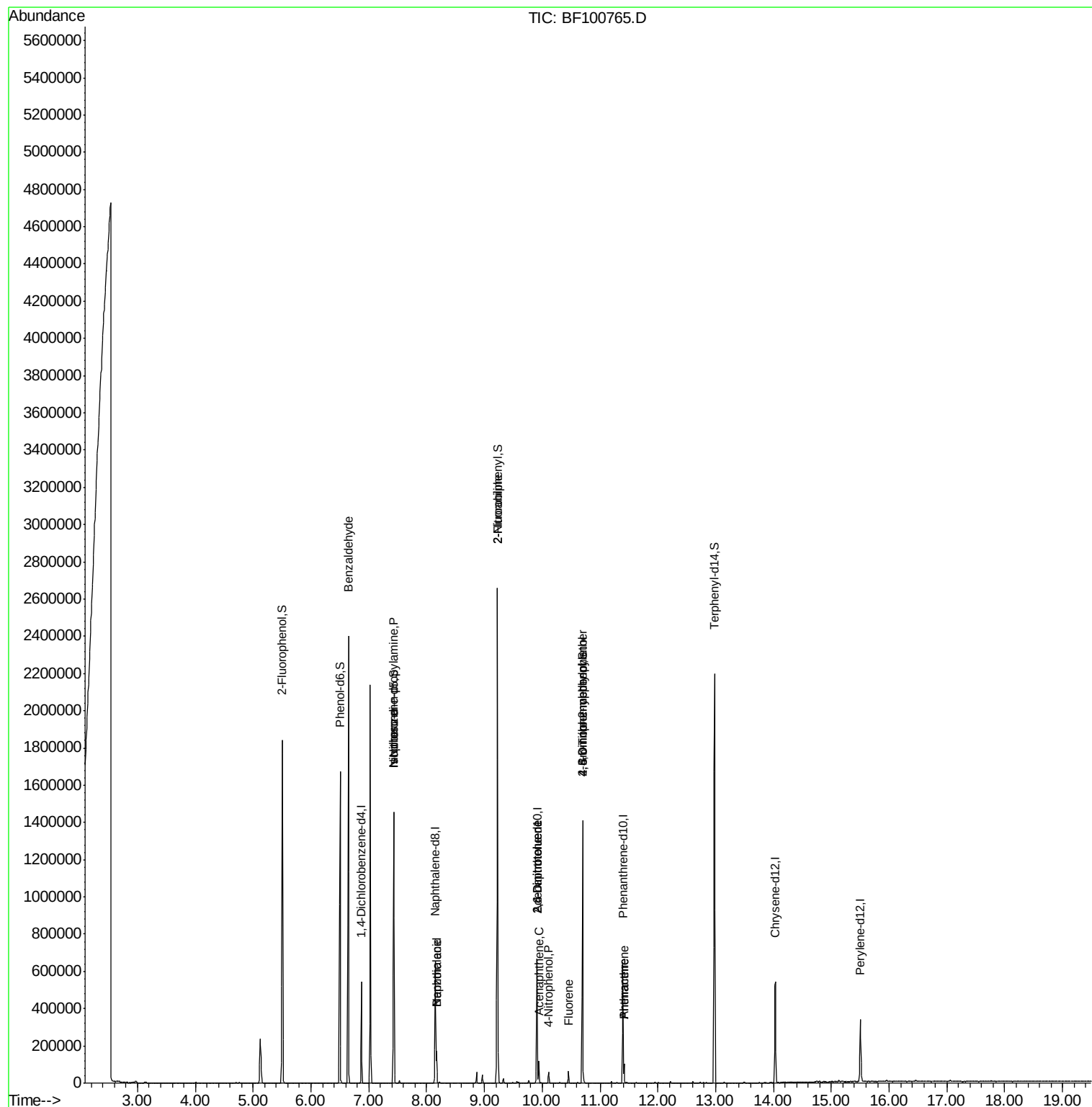
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.65	77	13268	2.845	ng	90
19) n-Nitroso-di-n-propylamine	7.43	70	68067	15.030	ng	# 79
25) Isophorone	7.43	82	510459	48.050	ng	# 64
31) Naphthalene	8.17	128	82077	5.098	ng	99
32) Benzoic acid	8.17	122	107	9.394	ng	# 1
47) 2-Nitroaniline	9.23	65	1415	3.290	ng	# 1
50) 2,6-Dinitrotoluene	9.91	165	18450	8.593	ng	# 25
51) Acenaphthene	9.94	154	26282	2.925	ng	98
55) 4-Nitrophenol	10.11	139	8570	4.163	ng	# 9
56) 2,4-Dinitrotoluene	9.91	165	18450	6.811	ng	# 23
57) Fluorene	10.45	166	19950	2.163	ng	99
64) 4,6-Dinitro-2-methylphenol	10.70	198	160	8.681	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	11079	4.405	ng	# 1
70) Phenanthrene	11.42	178	35628	2.884	ng	98
71) Anthracene	11.42	178	35628	2.843	ng	98

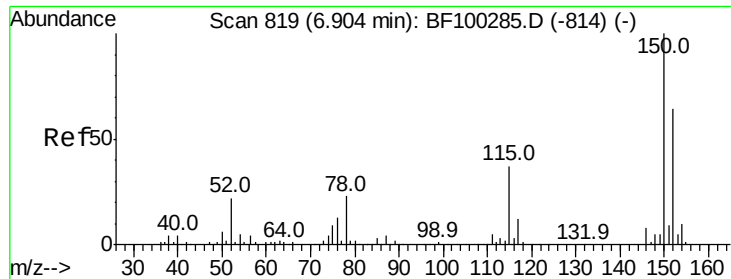
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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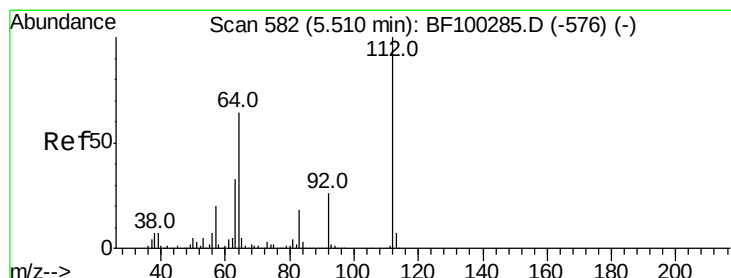
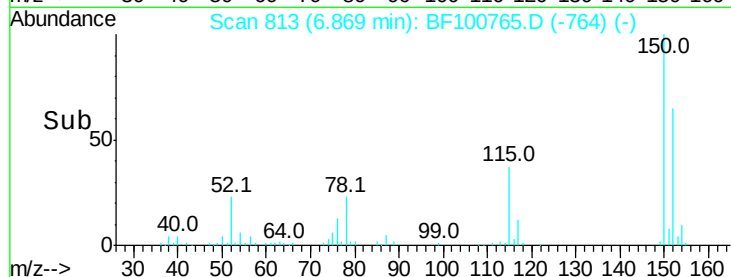
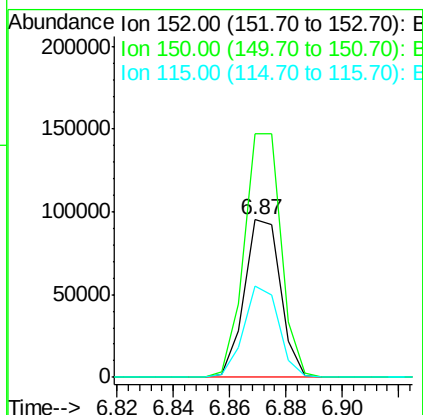
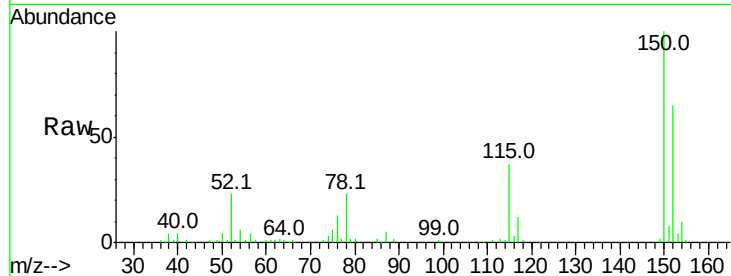




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF100765.D
Acq: 21 Nov 2017 7:54

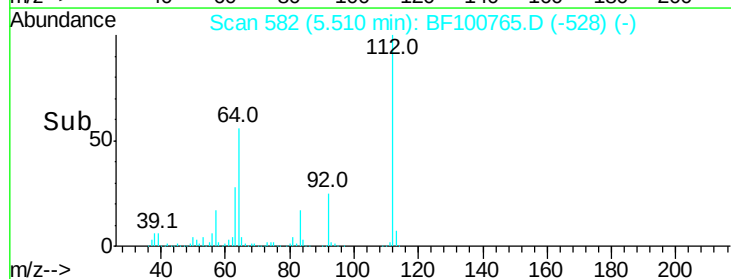
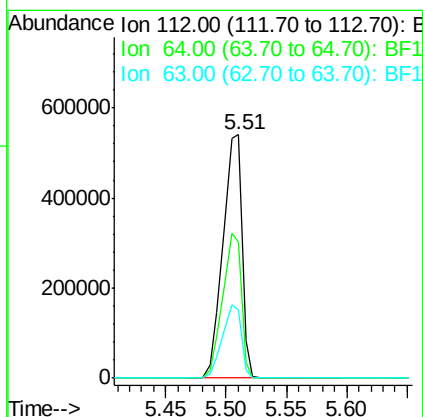
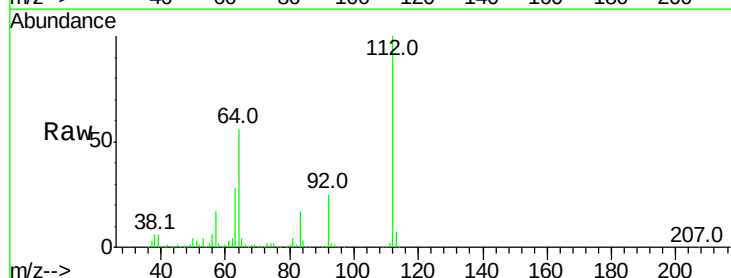
Instrument :
BNA_F
ClientSampleId :

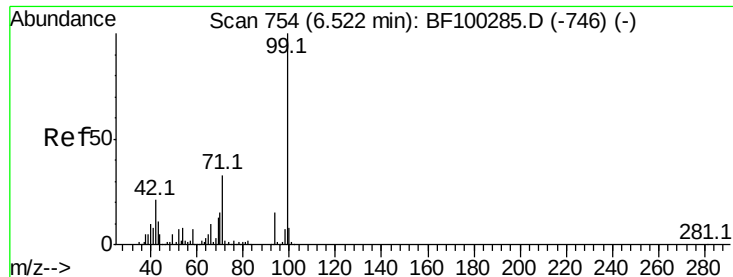
Tot Ion:152 Resp: 84891
Ion Ratio Lower Upper
152 100
150 154.8 124.6 186.8
115 57.9 50.1 75.1



#5
2-Fluorophenol
Concen: 112.013 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF100765.D
Acq: 21 Nov 2017 7:54

Tgt Ion:112 Resp: 593196
Ion Ratio Lower Upper
112 100
64 55.7 47.9 71.9
63 28.2 23.7 35.5





#7

Phenol-d6

Concen: 94.390 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF100765.D

Acq: 21 Nov 2017 7:54

Instrument :

BNA_F

ClientSampleId :

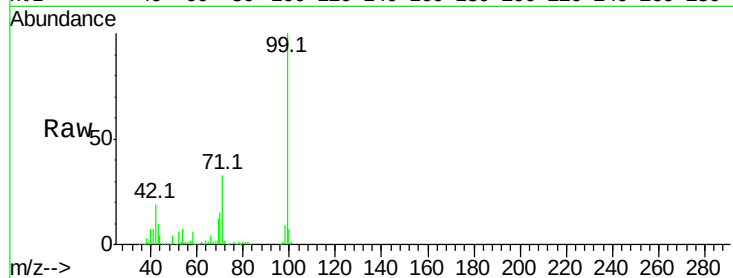
Tot Ion: 99 Resp: 616404

Ion Ratio Lower Upper

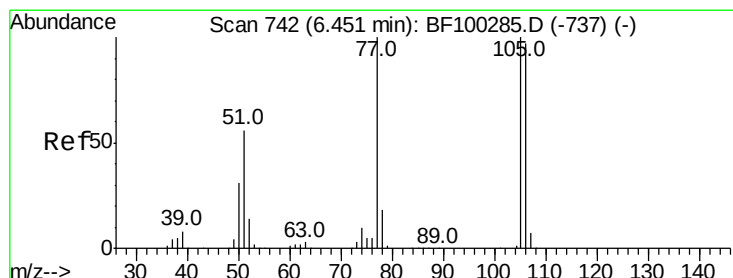
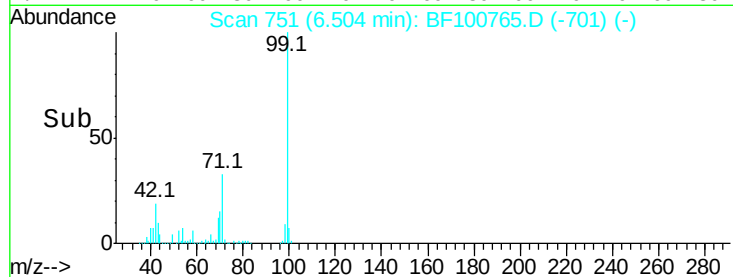
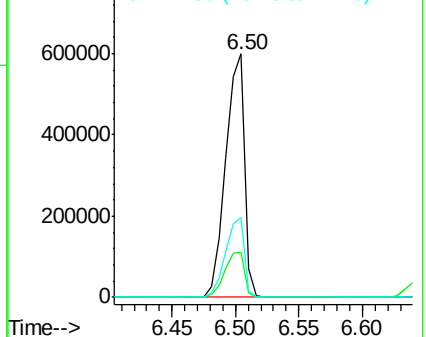
99 100

42 18.5 14.5 21.7

71 32.5 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.845 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.21 min

Lab File: BF100765.D

Acq: 21 Nov 2017 7:54

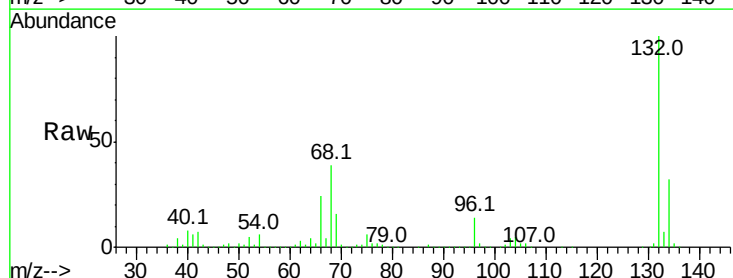
Tgt Ion: 77 Resp: 13268

Ion Ratio Lower Upper

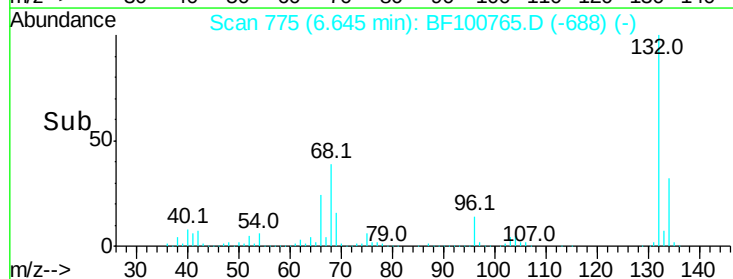
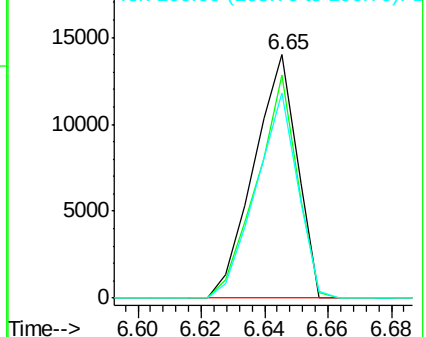
77 100

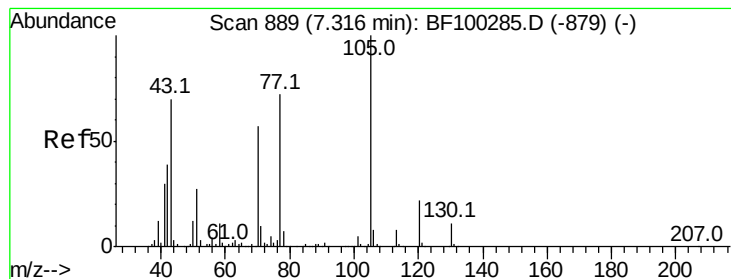
105 91.7 81.1 121.1

106 84.4 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





#19

n-Nitroso-di-n-propylamine

Concen: 15.030 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.14 min

Lab File: BF100765.D

Acq: 21 Nov 2017 7:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 68067

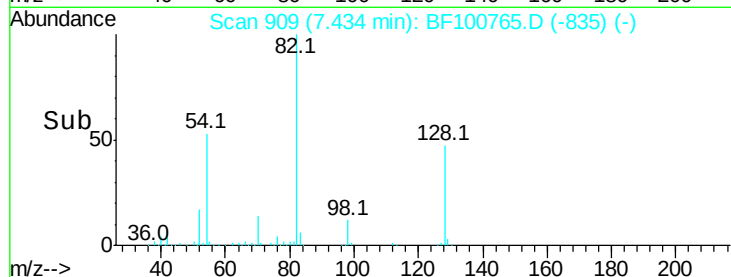
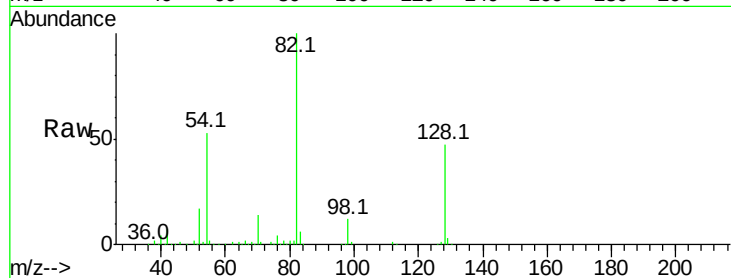
Ion Ratio Lower Upper

70 100

42 49.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

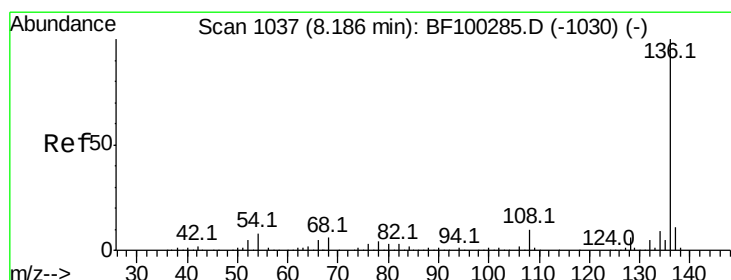
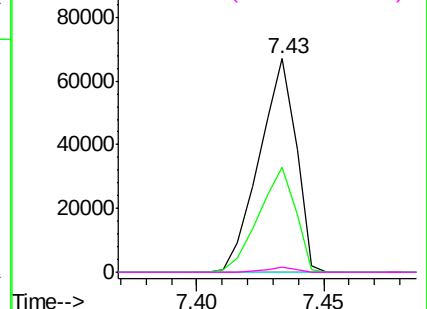


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BF100765.D

Acq: 21 Nov 2017 7:54

Tgt Ion:136 Resp: 334230

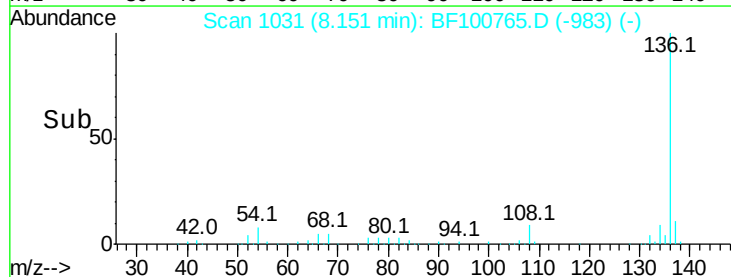
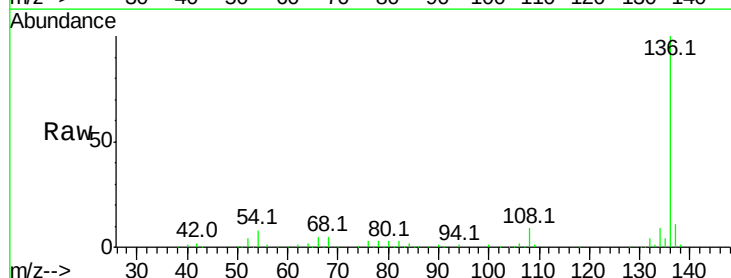
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.3 6.6 9.8

68 5.4 5.0 7.4

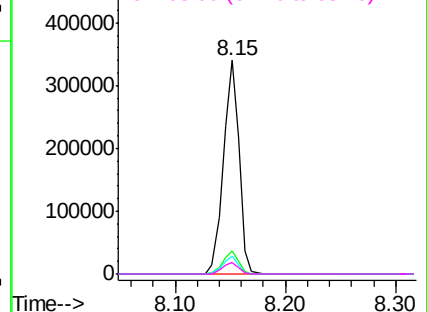


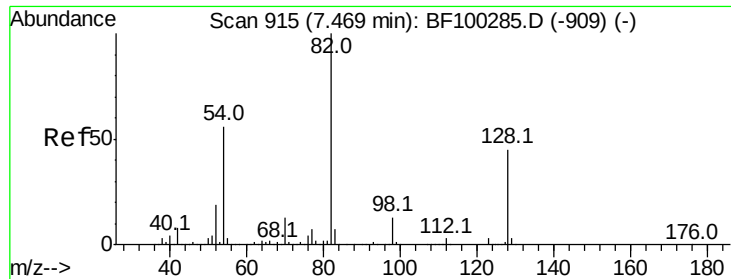
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

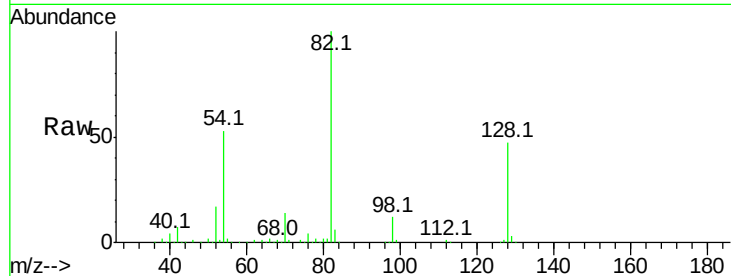




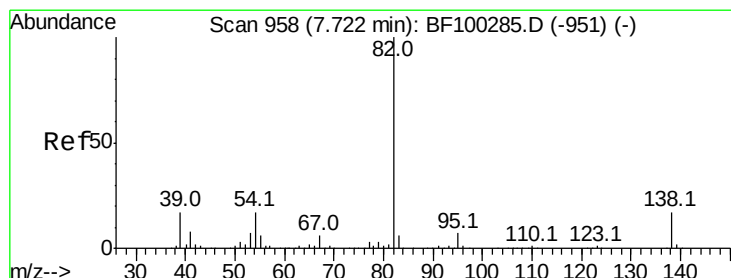
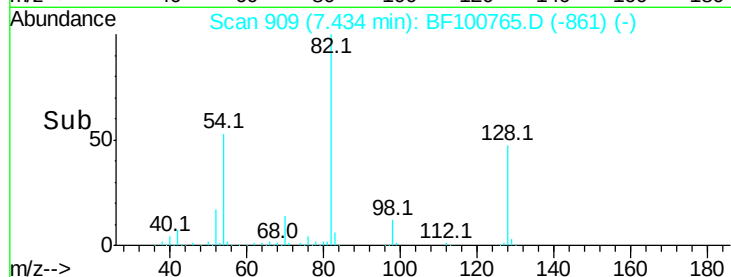
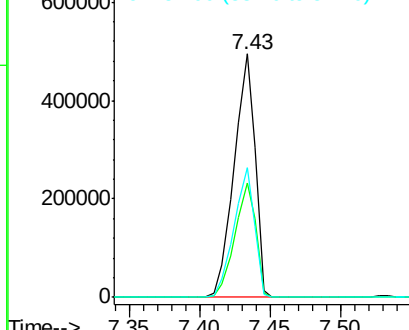
#23
 Nitrobenzene-d5
 Concen: 100.975 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.02 min
 Lab File: BF100765.D
 Acq: 21 Nov 2017 7:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 510469
 Ion Ratio Lower Upper
 82 100
 128 46.7 36.1 54.1
 54 53.0 41.4 62.2

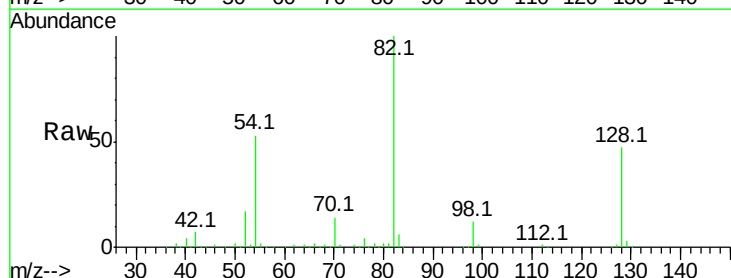


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

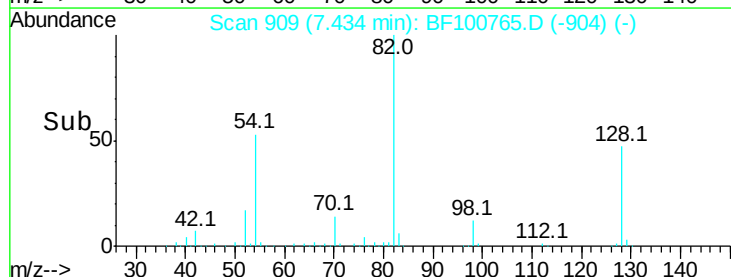
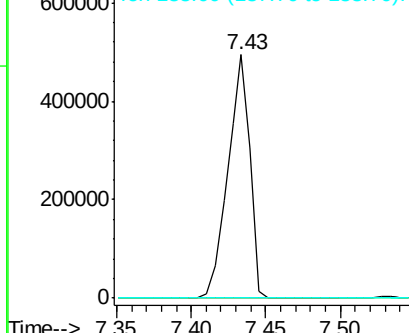


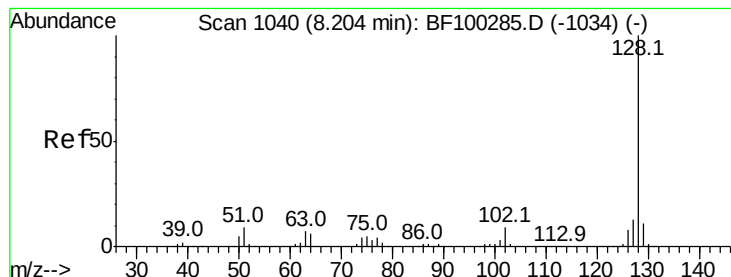
#25
 Isophorone
 Concen: 48.050 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.27 min
 Lab File: BF100765.D
 Acq: 21 Nov 2017 7:54

Tgt Ion: 82 Resp: 510459
 Ion Ratio Lower Upper
 82 100
 95 0.0 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





#31

Naphthalene

Concen: 5.098 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF100765.D

Acq: 21 Nov 2017 7:54

Instrument :

BNA_F

ClientSampleId :

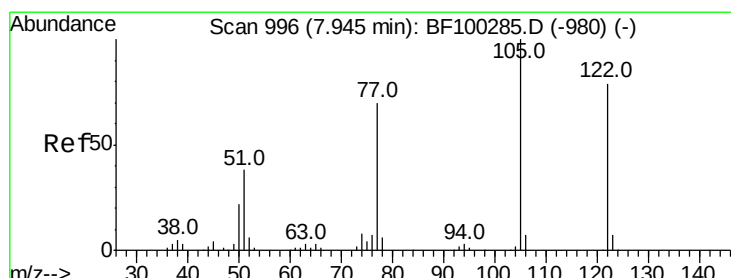
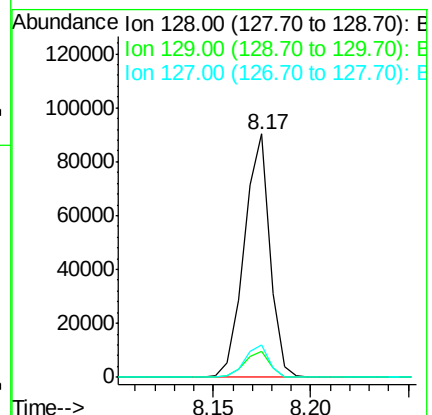
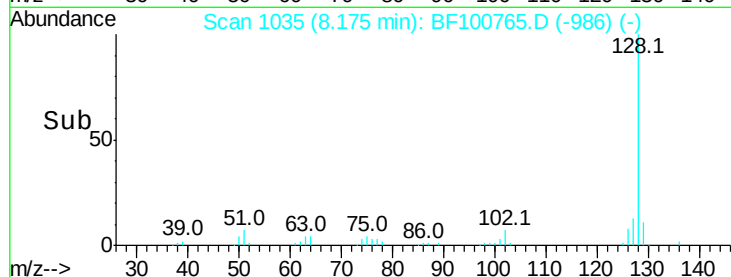
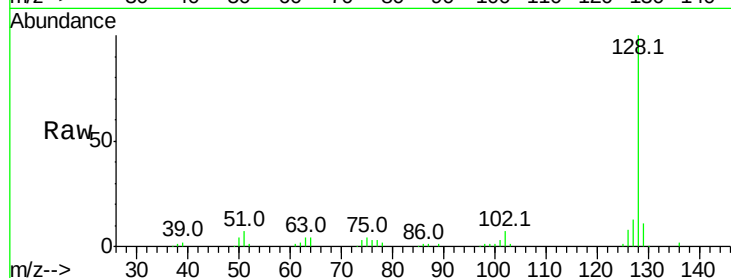
Tot Ion:128 Resp: 82077

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

127 13.1 10.9 16.3



#32

Benzoic acid

Concen: 9.394 ng

RT: 8.17 min Scan# 1034

Delta R.T. 0.24 min

Lab File: BF100765.D

Acq: 21 Nov 2017 7:54

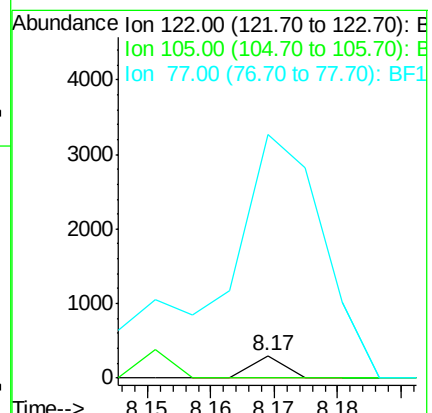
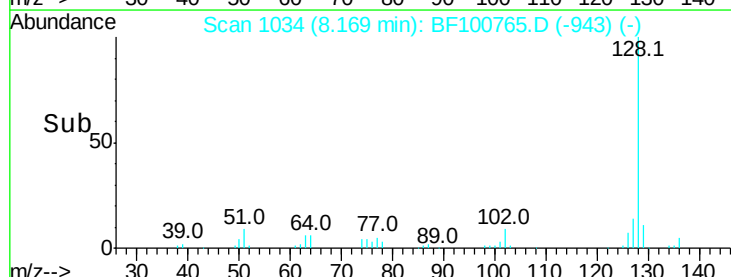
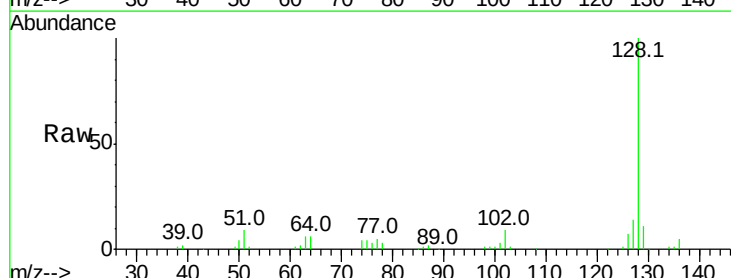
Tgt Ion:122 Resp: 107

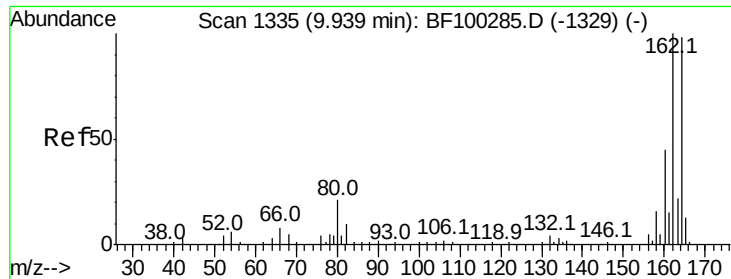
Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

77 1077.9 70.7 110.7#

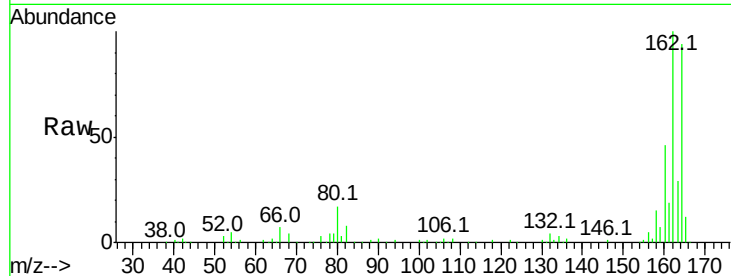




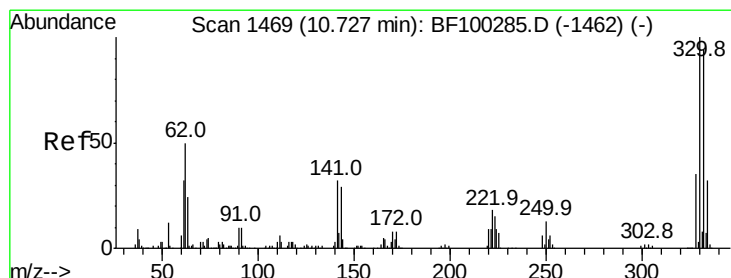
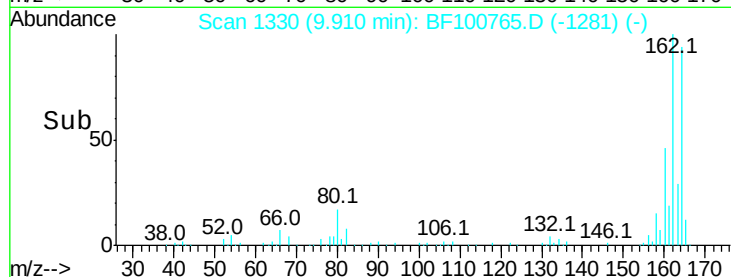
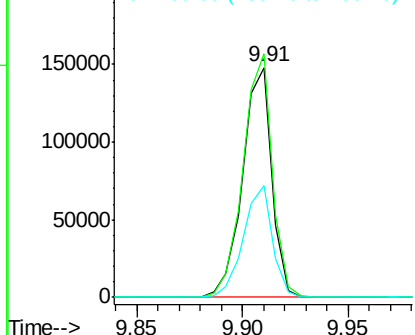
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF100765.D
 Acq: 21 Nov 2017 7:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 142070
 Ion Ratio Lower Upper
 164 100
 162 105.8 86.1 129.1
 160 48.8 38.3 57.5

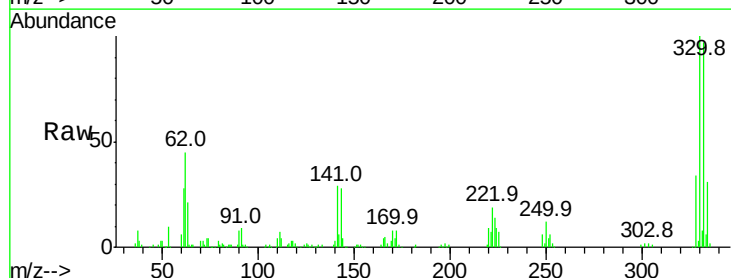


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

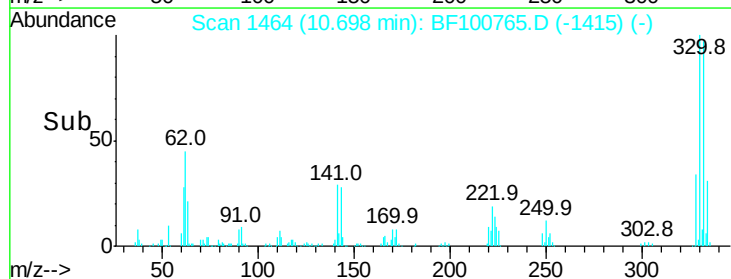
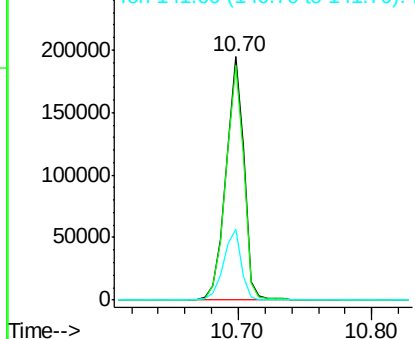


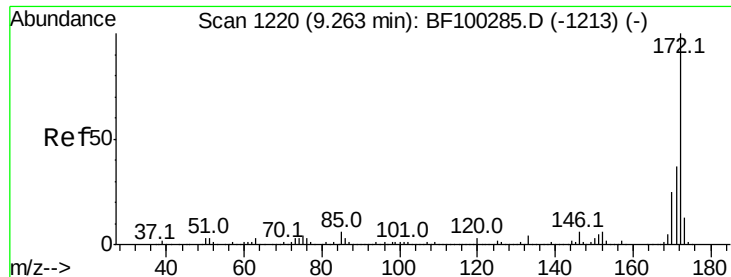
#41
 2,4,6-Tribromophenol
 Concen: 128.555 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF100765.D
 Acq: 21 Nov 2017 7:54

Tgt Ion:330 Resp: 186108
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.0 115.6
 141 28.6 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

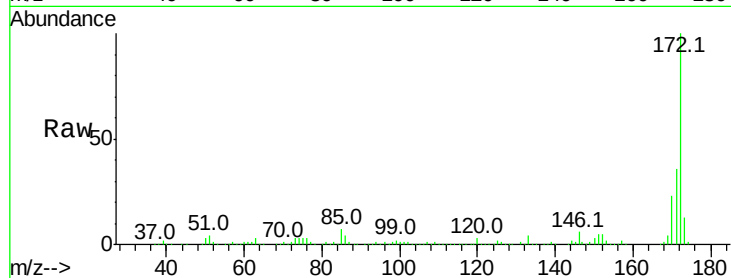




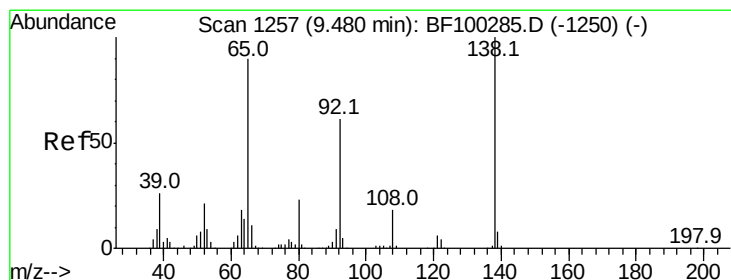
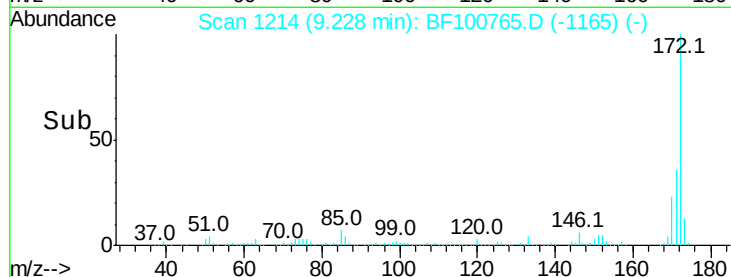
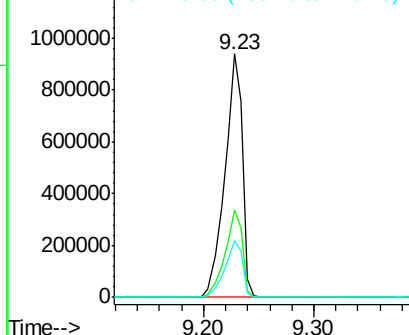
#44
 2-Fluorobiphenyl
 Concen: 110.764 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF100765.D
 Acq: 21 Nov 2017 7:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1033438
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.7 44.5
 170 23.3 19.6 29.4

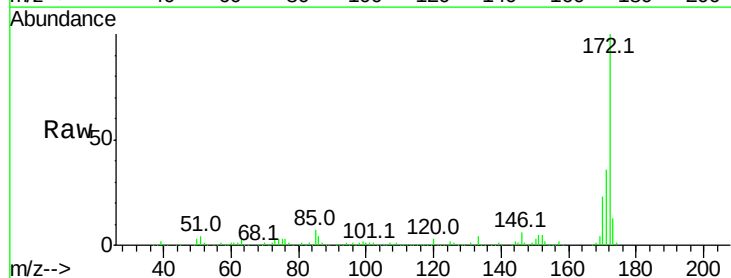


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

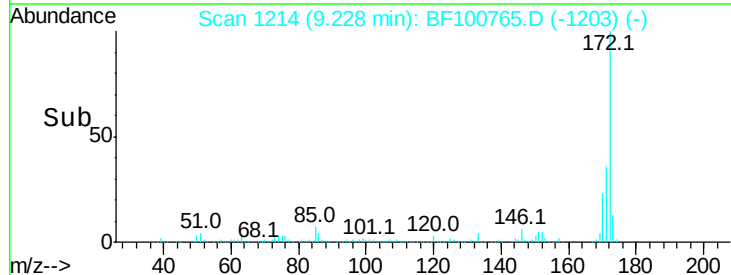
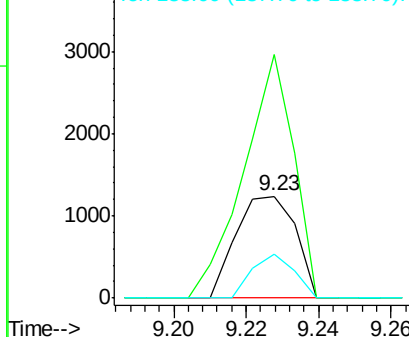


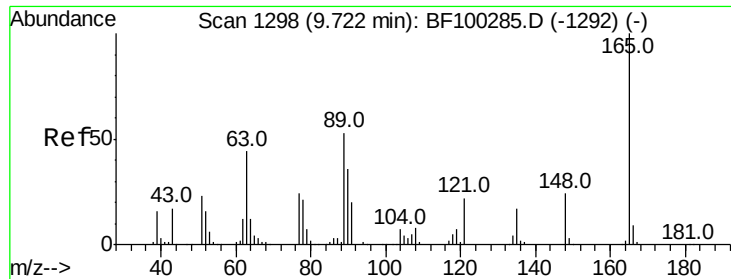
#47
 2-Nitroaniline
 Concen: 3.290 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.24 min
 Lab File: BF100765.D
 Acq: 21 Nov 2017 7:54

Tgt Ion: 65 Resp: 1415
 Ion Ratio Lower Upper
 65 100
 92 239.6 55.8 83.6#
 138 43.4 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): E

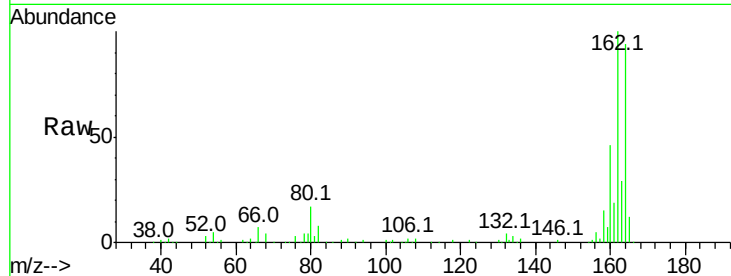




#50
 2,6-Dinitrotoluene
 Concen: 8.593 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.21 min
 Lab File: BF100765.D
 Acq: 21 Nov 2017 7:54

Instrument :
 BNA_F
 ClientSampled :

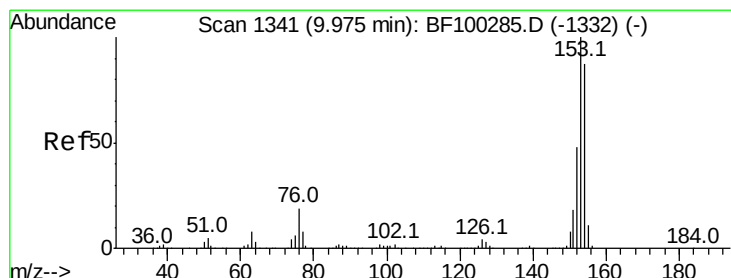
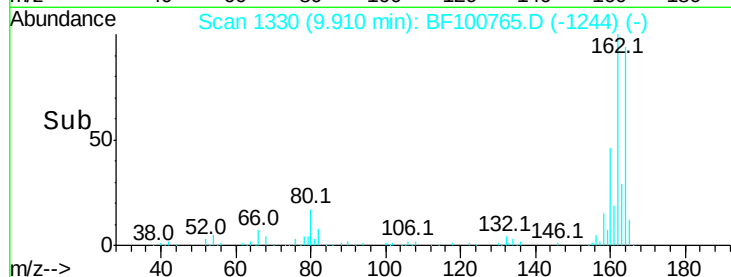
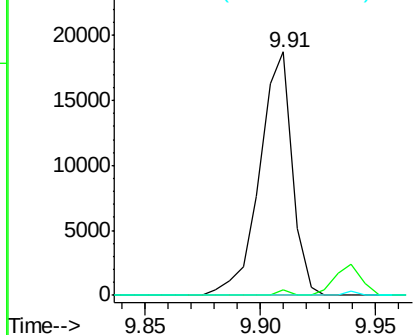
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.2	44.7	67.1#
89	0.0	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

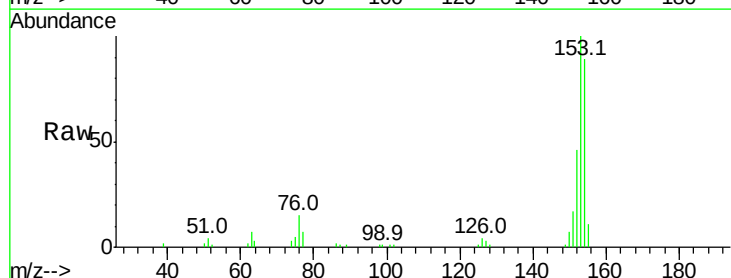
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#51
 Acenaphthene
 Concen: 2.925 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.02 min
 Lab File: BF100765.D
 Acq: 21 Nov 2017 7:54

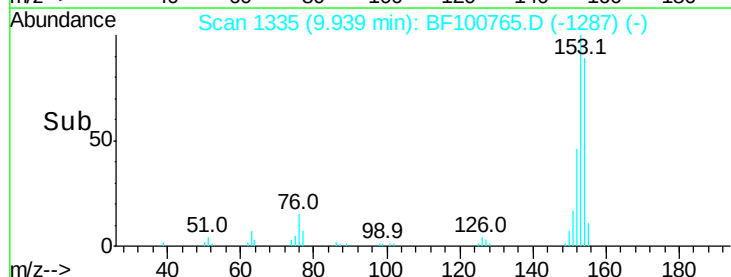
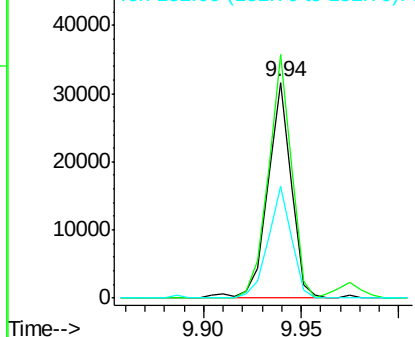
Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.9	91.2	136.8
152	52.1	43.8	65.8

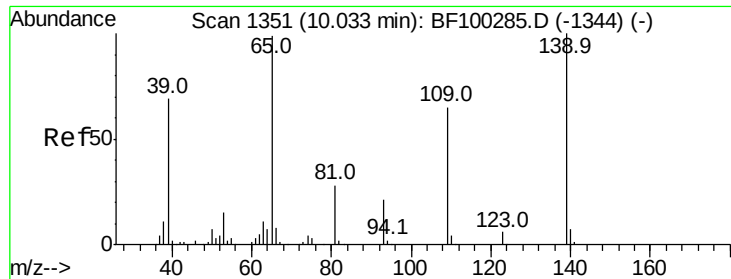


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#55

4-Nitrophenol

Concen: 4.163 ng

RT: 10.11 min Scan# 1364

Delta R.T. 0.09 min

Lab File: BF100765.D

Acq: 21 Nov 2017 7:54

Instrument :

BNA_F

ClientSampled :

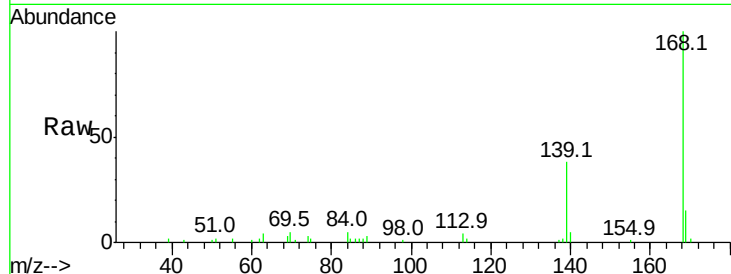
Tot Ion:139 Resp: 8570

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

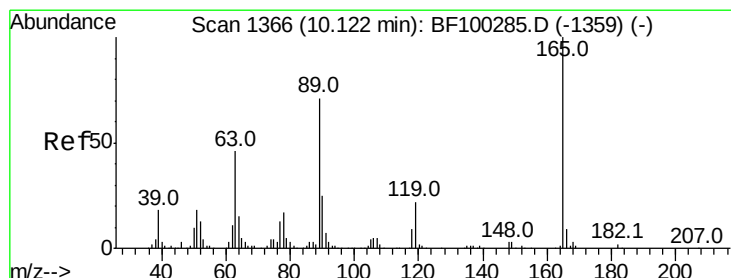
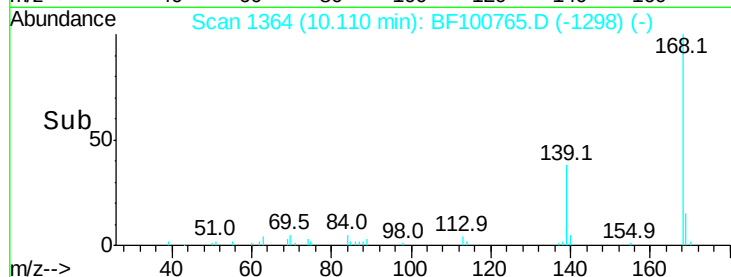
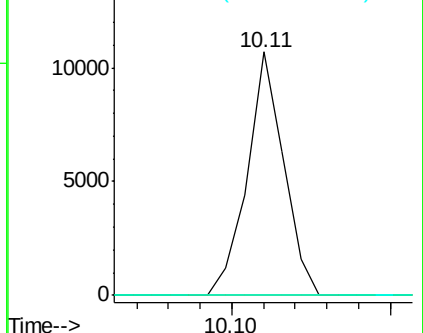
65 0.0 72.6 112.6#



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



#56

2,4-Dinitrotoluene

Concen: 6.811 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.20 min

Lab File: BF100765.D

Acq: 21 Nov 2017 7:54

Tgt Ion:165 Resp: 18450

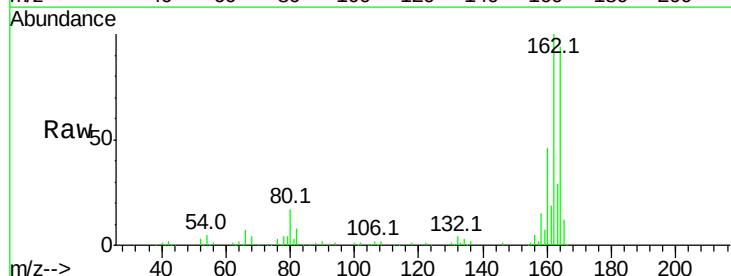
Ion Ratio Lower Upper

165 100

63 2.2 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

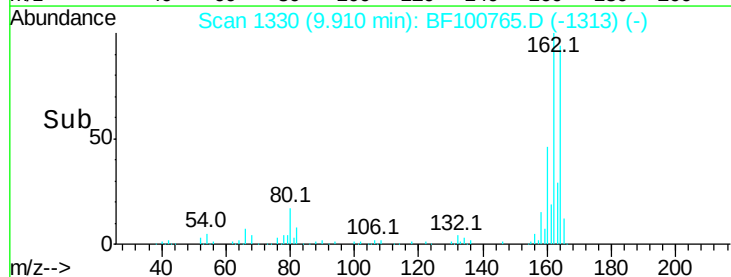
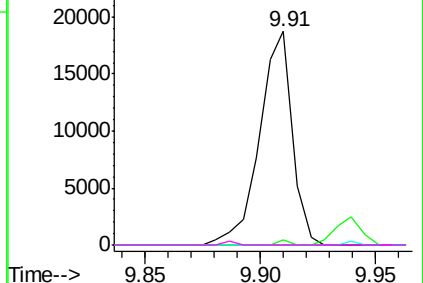


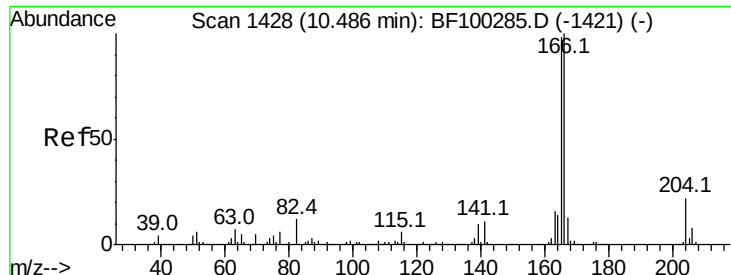
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

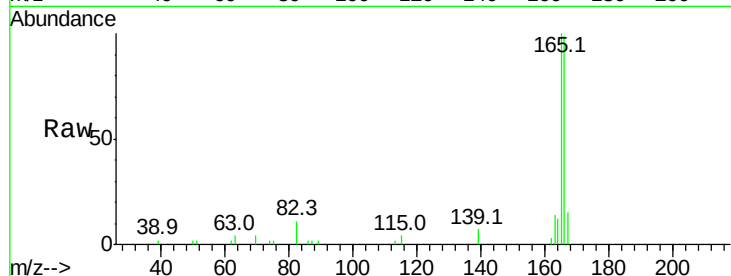




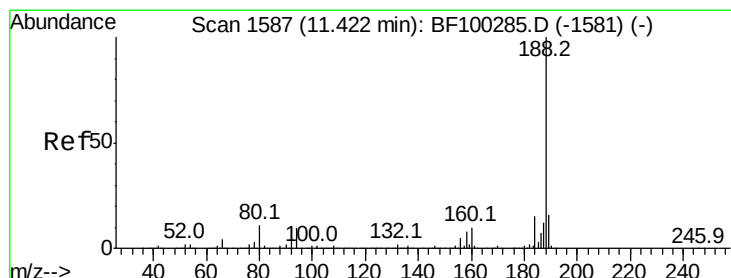
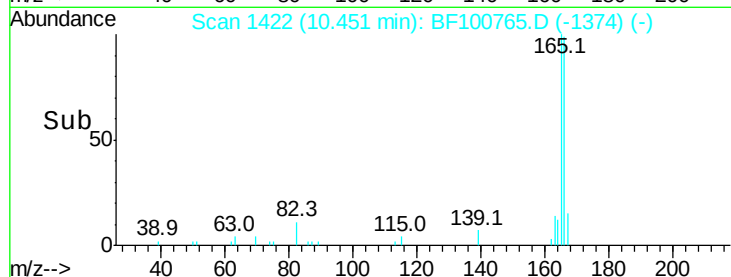
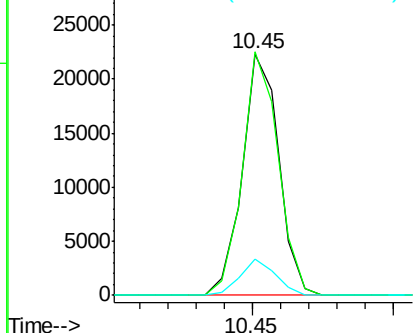
#57
 Fluorene
 Concen: 2.163 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.02 min
 Lab File: BF100765.D
 Acq: 21 Nov 2017 7:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 19950
 Ion Ratio Lower Upper
 166 100
 165 100.9 79.8 119.8
 167 14.9 10.6 16.0

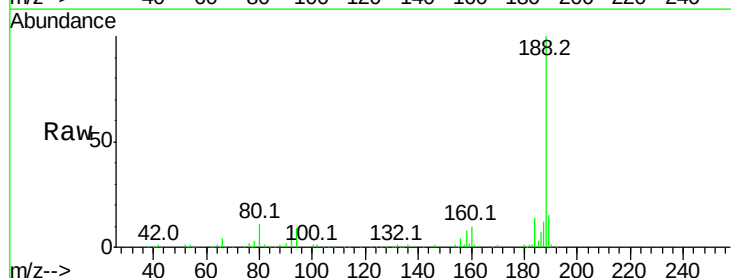


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

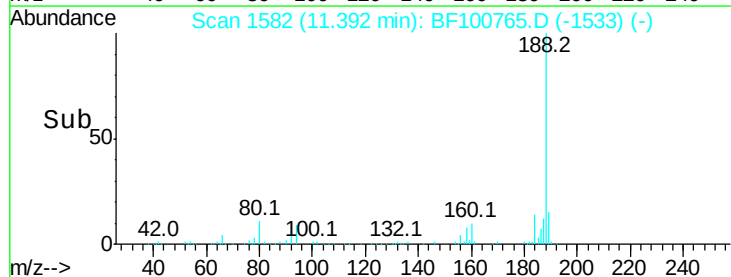
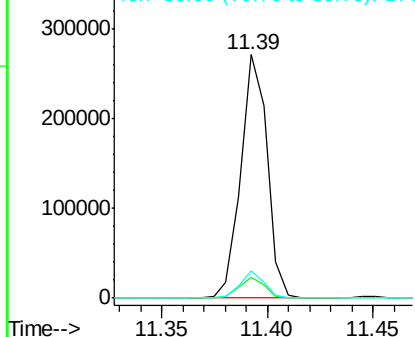


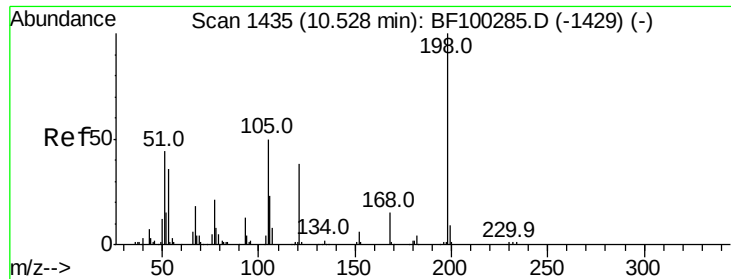
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF100765.D
 Acq: 21 Nov 2017 7:54

Tgt Ion:188 Resp: 234611
 Ion Ratio Lower Upper
 188 100
 94 8.7 8.5 12.7
 80 11.1 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: 8.681 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.18 min

Lab File: BF100765.D

Acq: 21 Nov 2017 7:54

Instrument :

BNA_F

ClientSampled :

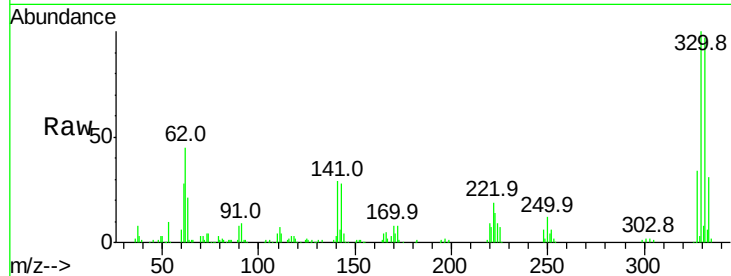
Tot Ion:198 Resp: 160

Ion Ratio Lower Upper

198 100

51 179.2 37.7 77.7#

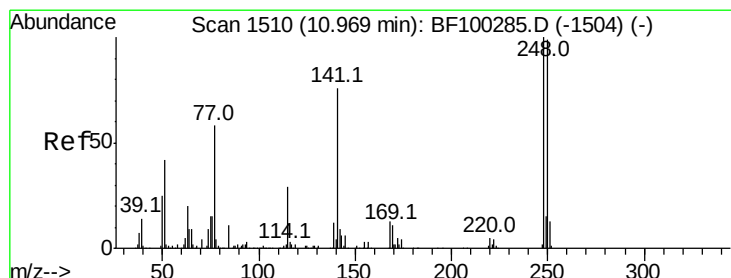
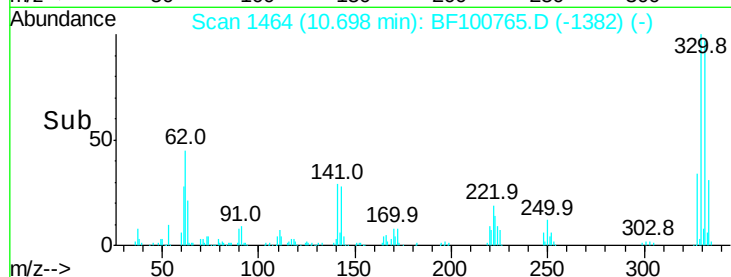
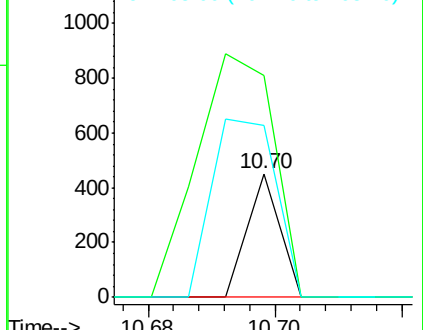
105 139.4 36.3 76.3#



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: 4.405 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.25 min

Lab File: BF100765.D

Acq: 21 Nov 2017 7:54

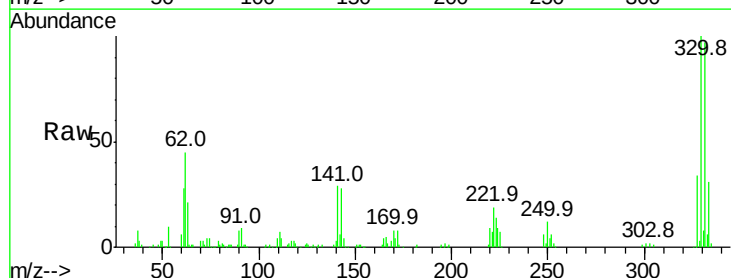
Tgt Ion:248 Resp: 11079

Ion Ratio Lower Upper

248 100

250 194.3 76.9 115.3#

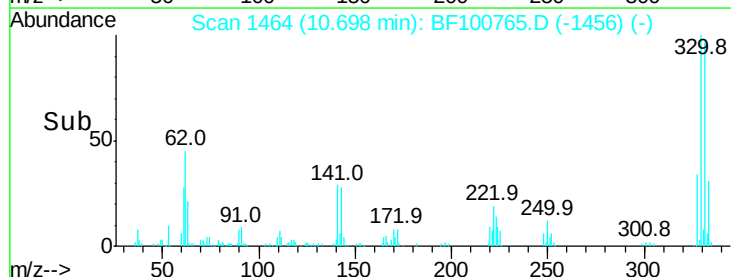
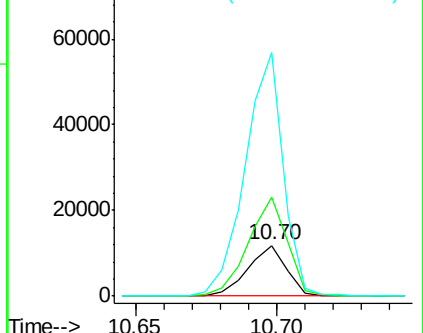
141 478.4 74.4 111.6#

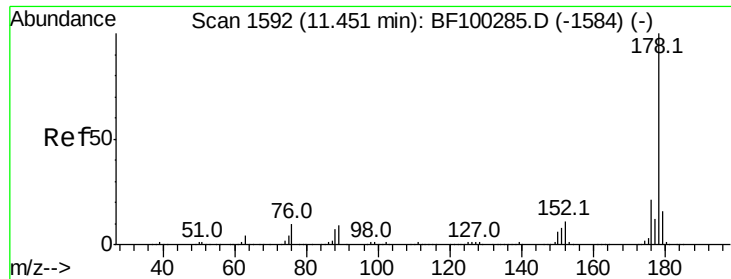


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

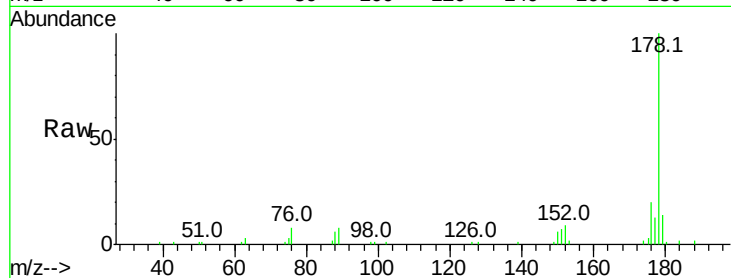




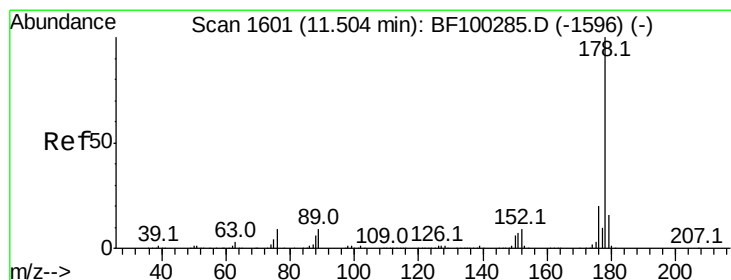
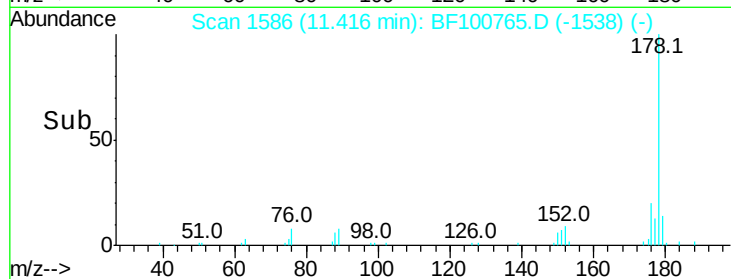
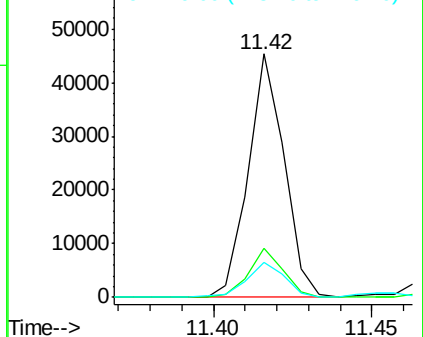
#70
Phenanthrene
Concen: 2.884 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.02 min
Lab File: BF100765.D
Acq: 21 Nov 2017 7:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 35628
Ion Ratio Lower Upper
178 100
176 20.1 15.8 23.8
179 14.4 13.0 19.6

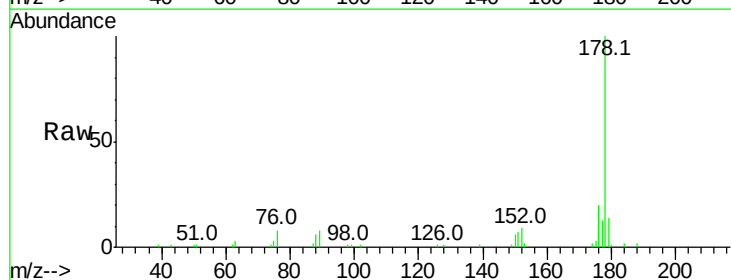


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

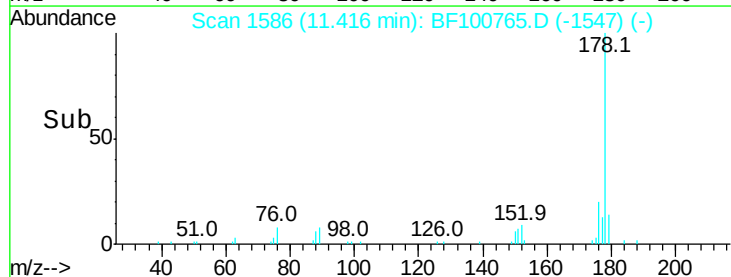
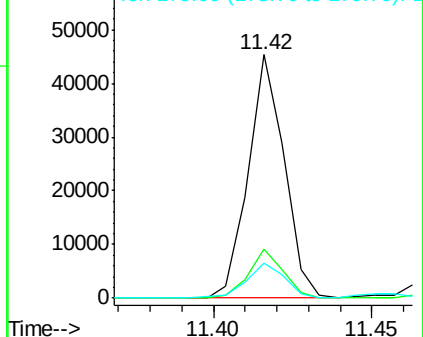


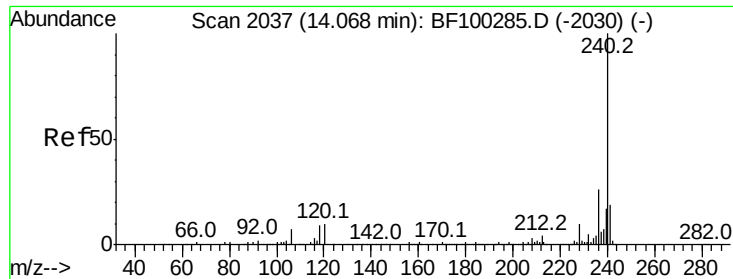
#71
Anthracene
Concen: 2.843 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.07 min
Lab File: BF100765.D
Acq: 21 Nov 2017 7:54

Tgt Ion:178 Resp: 35628
Ion Ratio Lower Upper
178 100
176 20.1 15.4 23.2
179 14.4 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF100765.D

Acq: 21 Nov 2017 7:54

Instrument :

BNA_F

ClientSampleId :

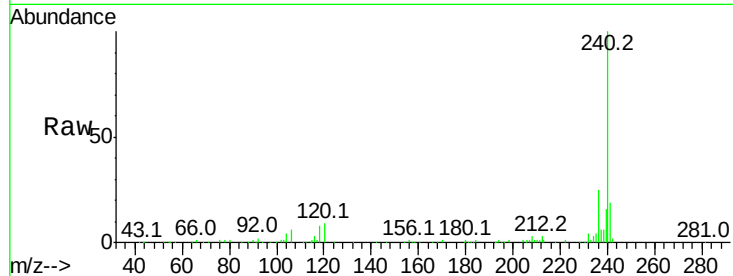
Tot Ion:240 Resp: 198281

Ion Ratio Lower Upper

240 100

120 8.9 9.5 14.3#

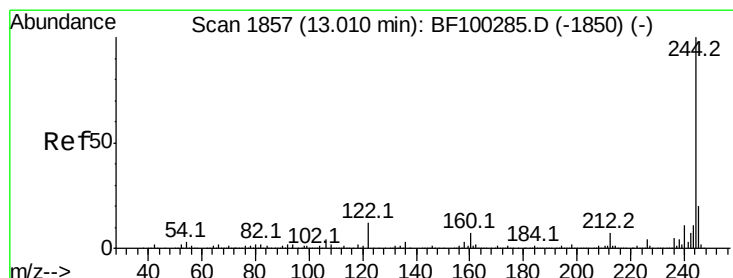
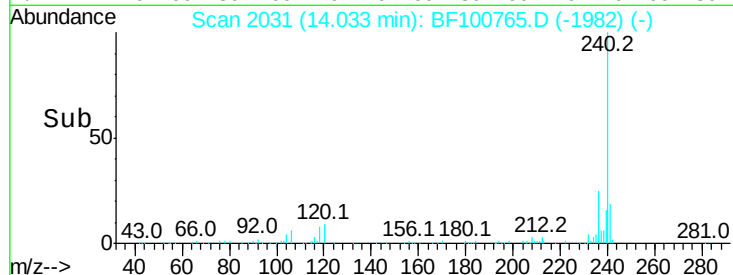
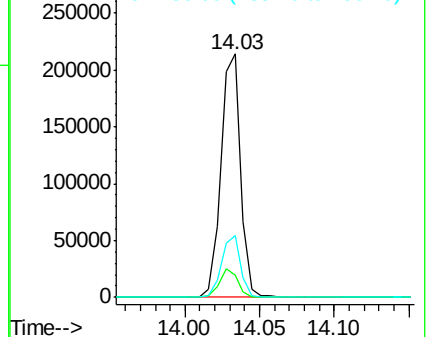
236 25.1 20.7 31.1



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: 89.395 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF100765.D

Acq: 21 Nov 2017 7:54

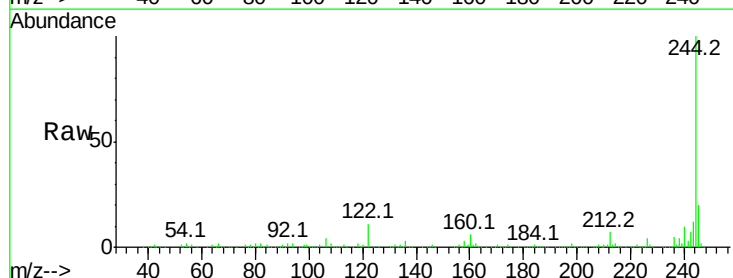
Tgt Ion:244 Resp: 771434

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

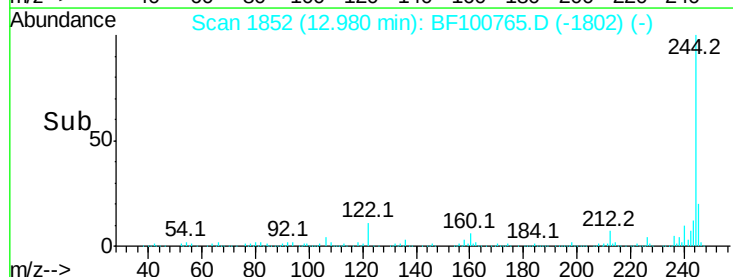
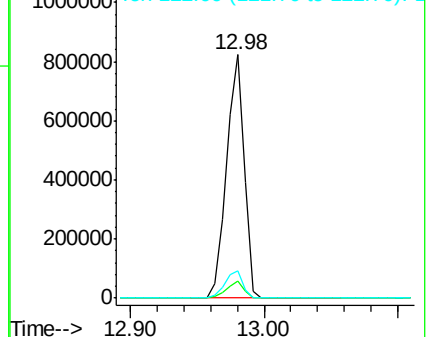
122 11.4 11.0 16.4

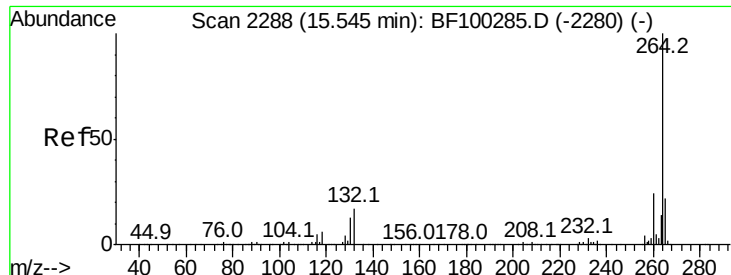


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.50 min Scan# 2281
 Delta R.T. -0.01 min
 Lab File: BF100765.D
 Acq: 21 Nov 2017 7:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	154726
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.8	17.5	26.3

