

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112017\
 Data File : BF100763.D
 Acq On : 21 Nov 2017 7:01
 Operator : SJ/JU
 Sample : I6311-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 21 11:48:18 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	91188	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	354846	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	155731	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	249268	20.00	ng	-0.01
75) Chrysene-d12	14.03	240	202411	20.00	ng	-0.01
86) Perylene-d12	15.50	264	156389	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	643290	113.08	ng	0.02
7) Phenol-d6	6.50	99	699384	99.70	ng	0.00
23) Nitrobenzene-d5	7.44	82	552185	102.88	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	196947	124.11	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	1073962	105.01	ng	0.00
78) Terphenyl-d14	12.98	244	784072	89.01	ng	0.00

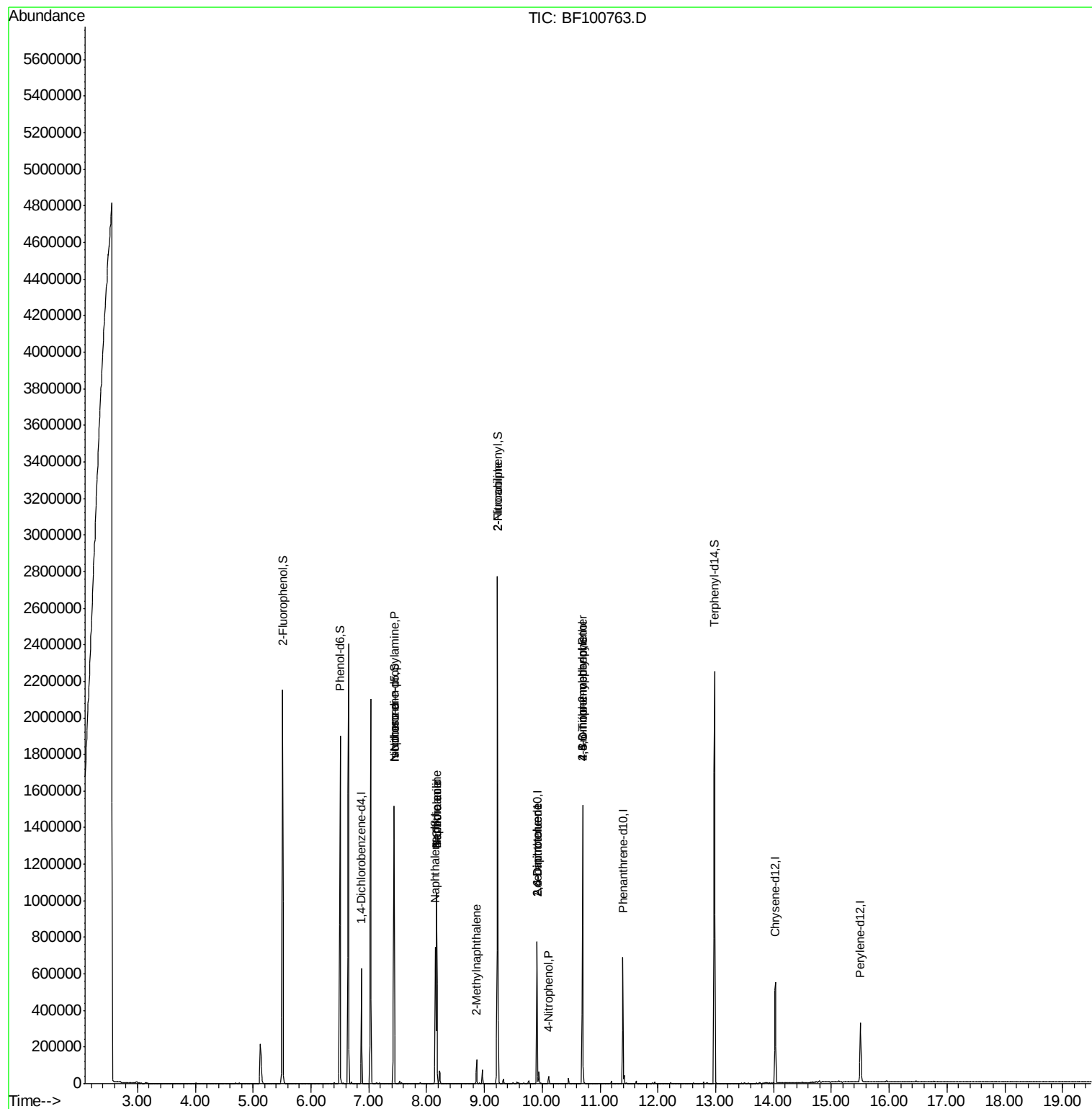
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	72063	14.813	ng	# 77
25) Isophorone	7.44	82	552175	48.957	ng	# 64
31) Naphthalene	8.17	128	431179	25.228	ng	# 99
32) Benzoic acid	8.17	122	783	9.533	ng	# 1
33) 4-Chloroaniline	8.17	127	56642	7.962	ng	# 36
37) 2-Methylnaphthalene	8.86	142	34708	3.059	ng	# 98
47) 2-Nitroaniline	9.23	65	1712	3.342	ng	# 6
50) 2,6-Dinitrotoluene	9.91	165	20471	8.698	ng	# 24
55) 4-Nitrophenol	10.11	139	5284	2.341	ng	# 9
56) 2,4-Dinitrotoluene	9.91	165	20471	6.895	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.70	198	156	8.672	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	12594	4.713	ng	# 1

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

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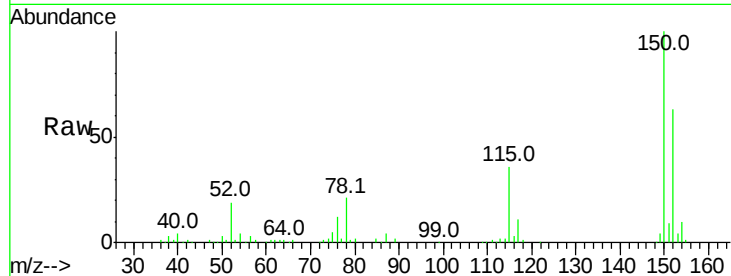


#1

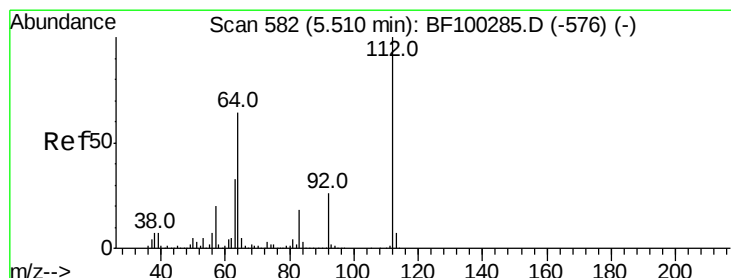
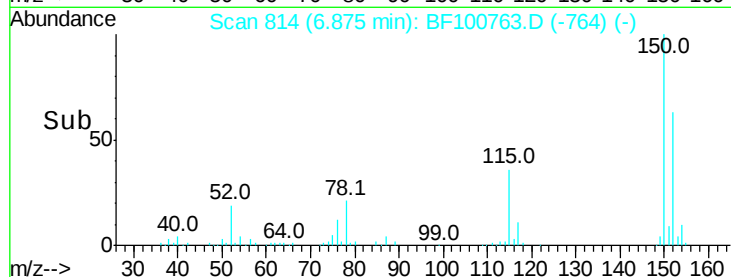
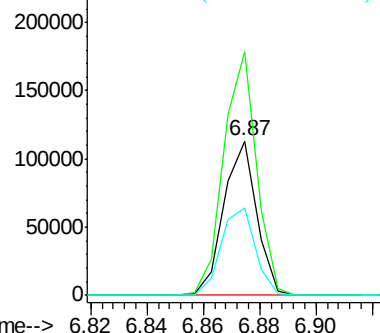
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF100763.D
Acq: 21 Nov 2017 7:01

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 91188
Ion Ratio Lower Upper
152 100
150 157.6 124.6 186.8
115 56.9 50.1 75.1



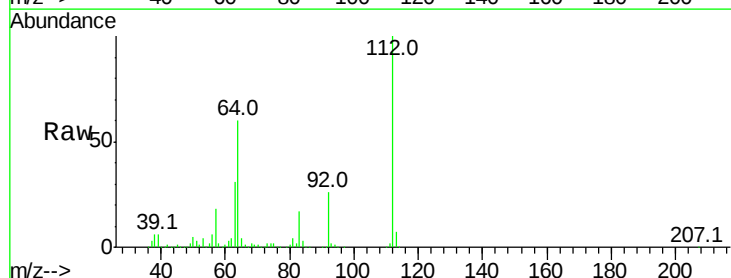
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



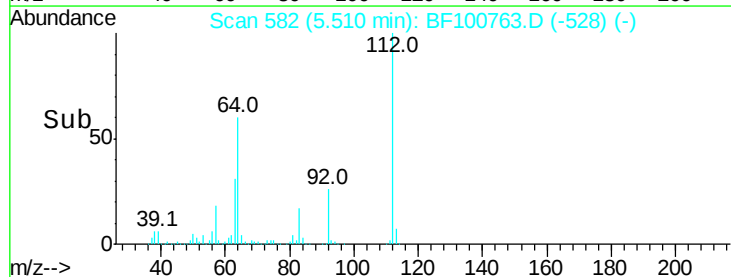
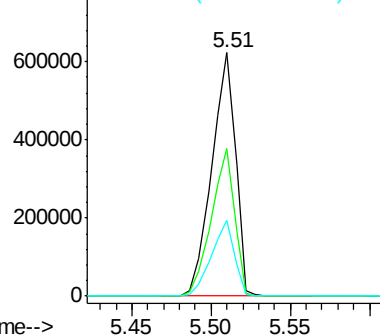
#5

2-Fluorophenol
Concen: 113.083 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF100763.D
Acq: 21 Nov 2017 7:01

Tgt Ion:112 Resp: 643290
Ion Ratio Lower Upper
112 100
64 60.4 47.9 71.9
63 31.0 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: 99.701 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF100763.D

Acq: 21 Nov 2017 7:01

Instrument :

BNA_F

ClientSampled :

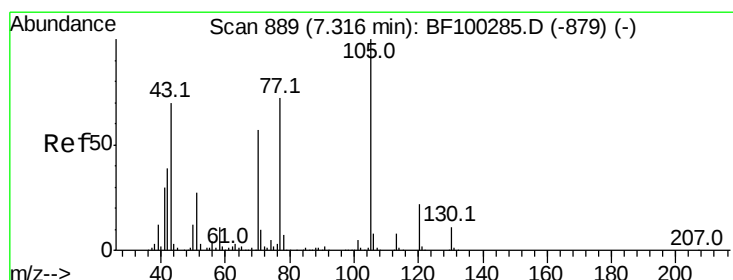
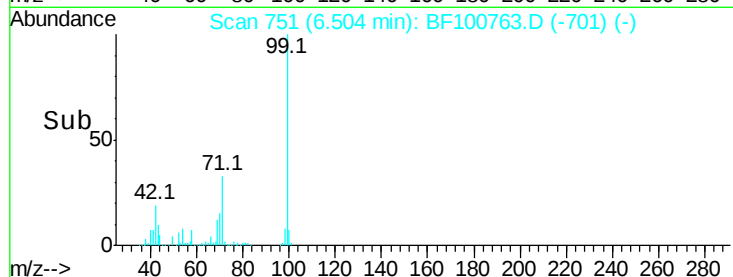
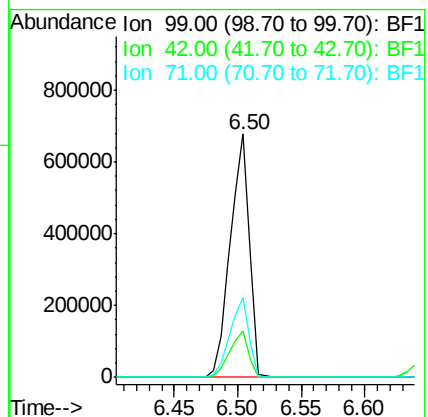
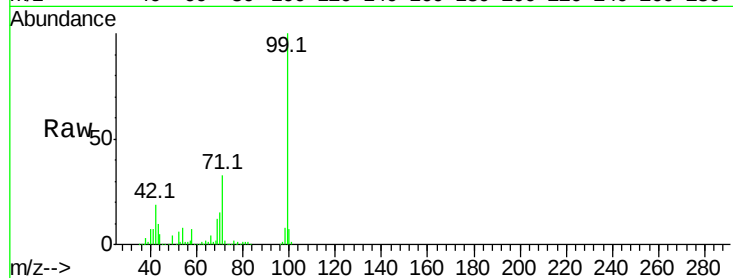
Tot Ion: 99 Resp: 699384

Ion Ratio Lower Upper

99 100

42 19.3 14.5 21.7

71 32.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.813 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF100763.D

Acq: 21 Nov 2017 7:01

Tgt Ion: 70 Resp: 72063

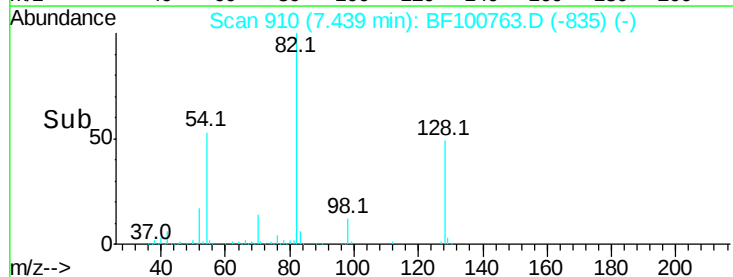
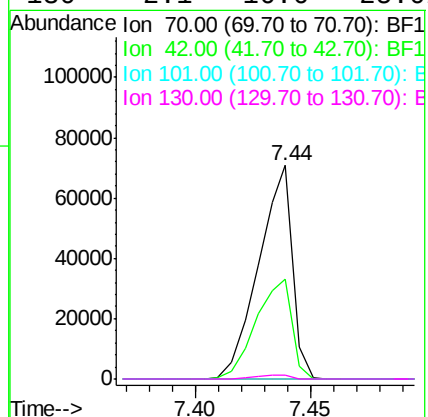
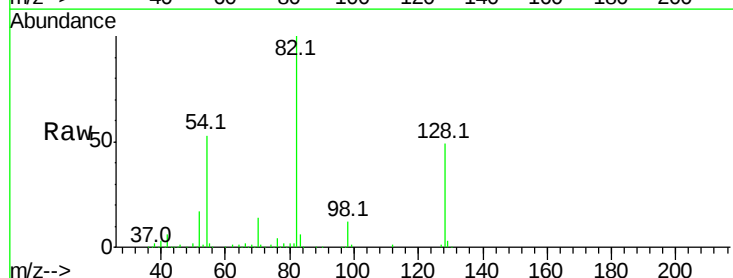
Ion Ratio Lower Upper

70 100

42 46.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

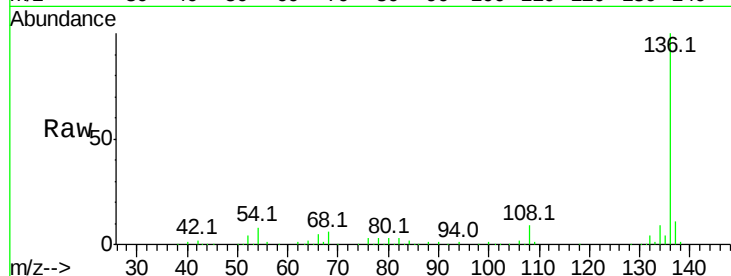




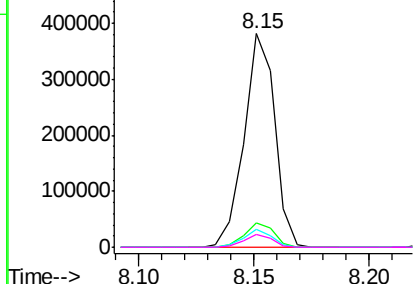
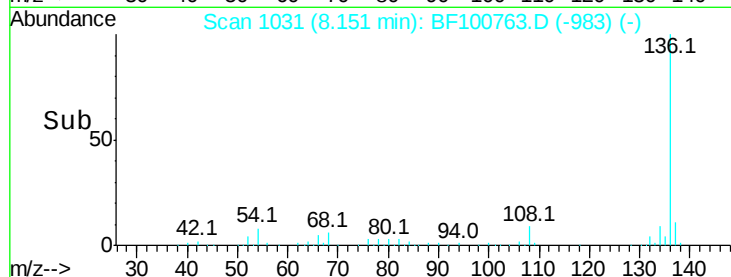
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF100763.D
Acq: 21 Nov 2017 7:01

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	354846
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.4	6.6	9.8
68	5.9	5.0	7.4

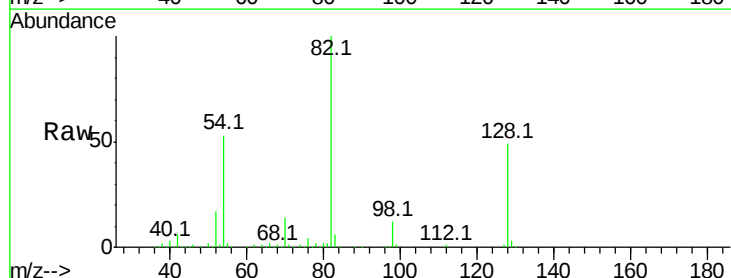


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

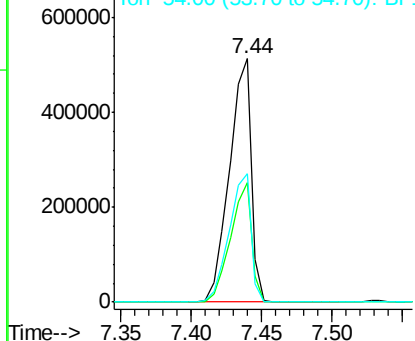
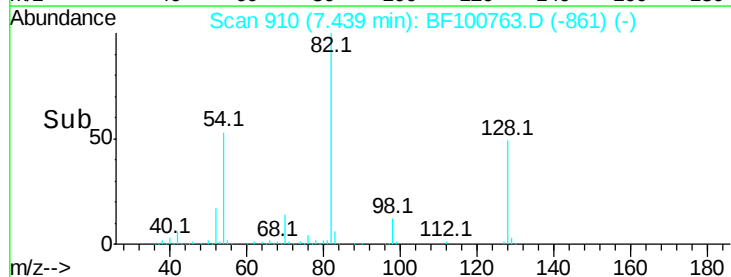


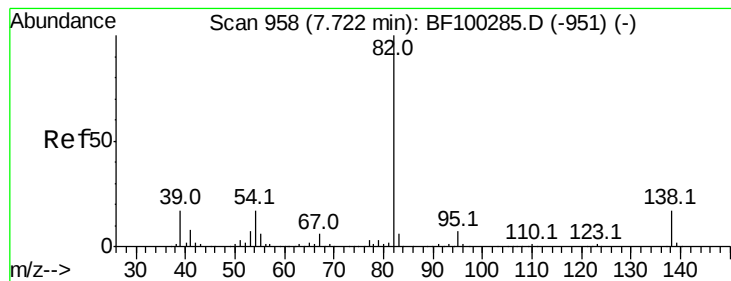
#23
Nitrobenzene-d5
Concen: 102.881 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF100763.D
Acq: 21 Nov 2017 7:01

Tgt Ion:	82	Resp:	552185
Ion	Ratio	Lower	Upper
82	100		
128	49.0	36.1	54.1
54	52.9	41.4	62.2



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





#25

Isophorone

Concen: 48.957 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF100763.D

Acq: 21 Nov 2017 7:01

Instrument :

BNA_F

ClientSampled :

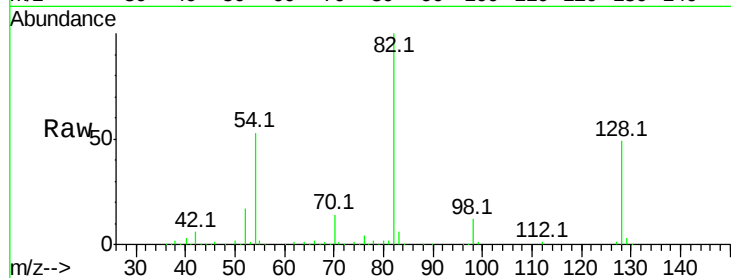
Tot Ion: 82 Resp: 552175

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

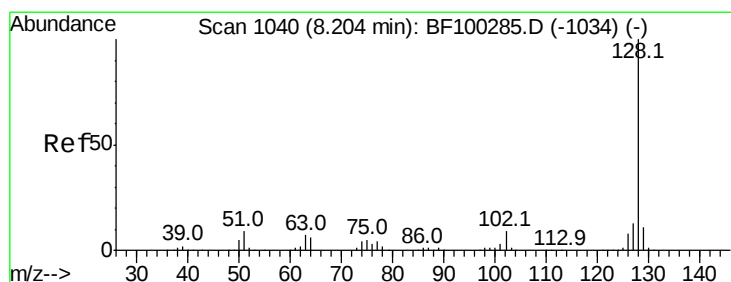
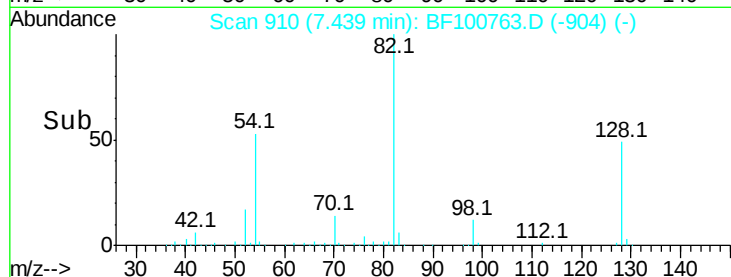
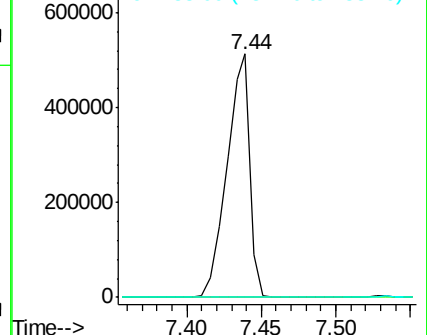
138 0.0 14.9 22.3#



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: 25.228 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF100763.D

Acq: 21 Nov 2017 7:01

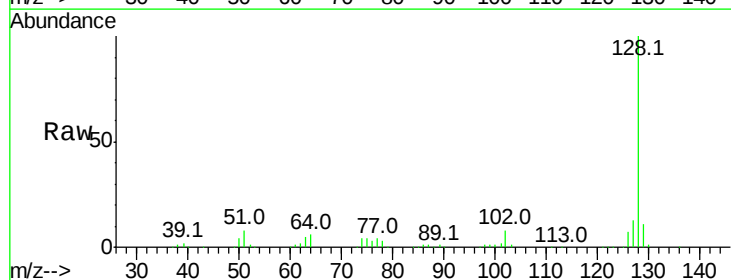
Tgt Ion: 128 Resp: 431179

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

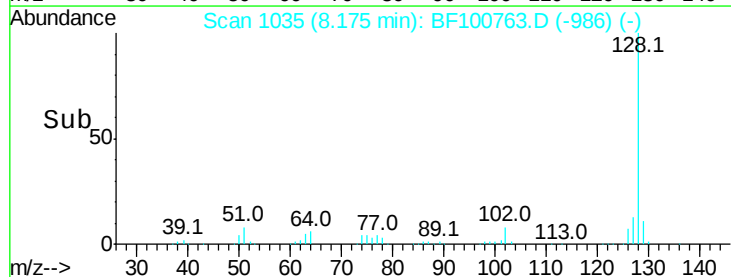
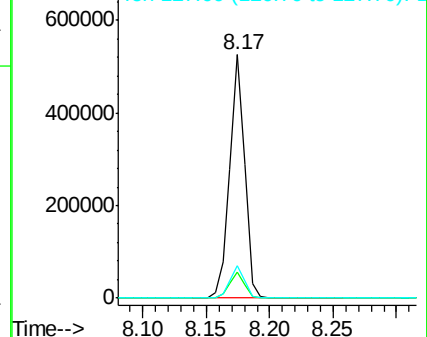
127 13.4 10.9 16.3

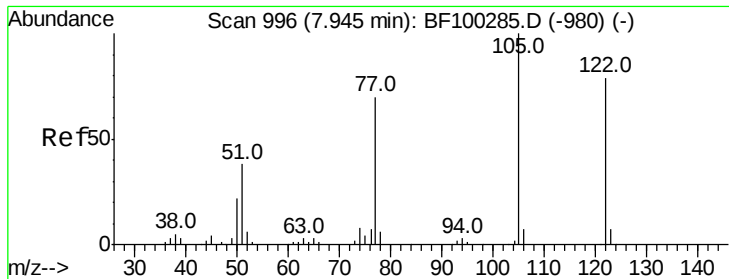


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 9.533 ng

RT: 8.17 min Scan# 1035

Delta R.T. 0.24 min

Lab File: BF100763.D

Acq: 21 Nov 2017 7:01

Instrument :

BNA_F

ClientSampled :

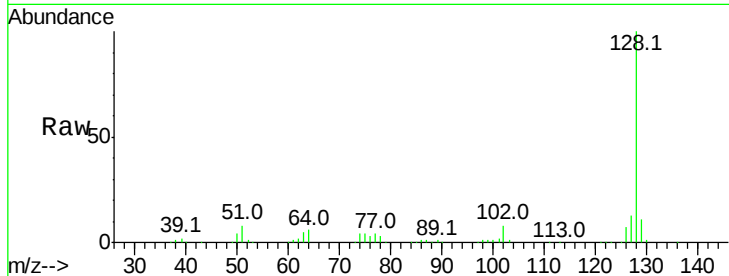
Tot Ion:122 Resp: 783

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

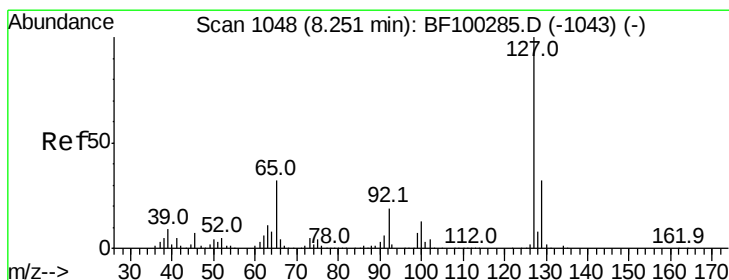
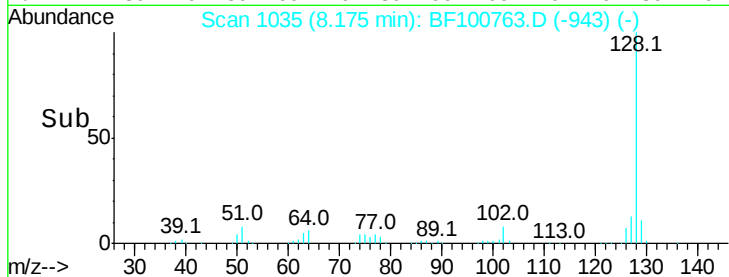
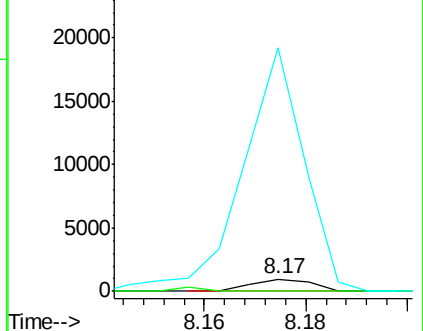
77 1987.2 70.7 110.7#



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: 7.962 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.06 min

Lab File: BF100763.D

Acq: 21 Nov 2017 7:01

Tgt Ion:127 Resp: 56642

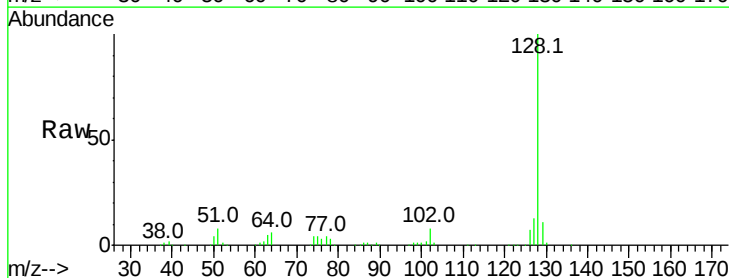
Ion Ratio Lower Upper

127 100

129 79.8 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

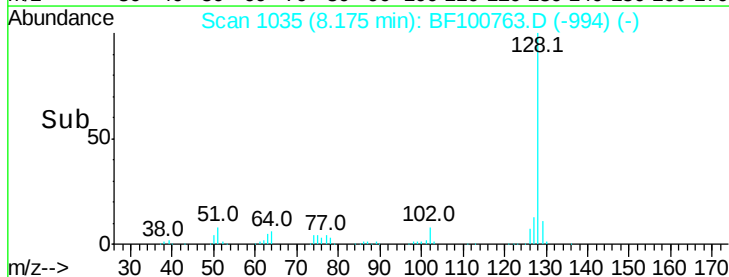
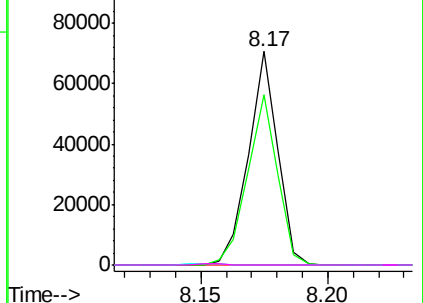


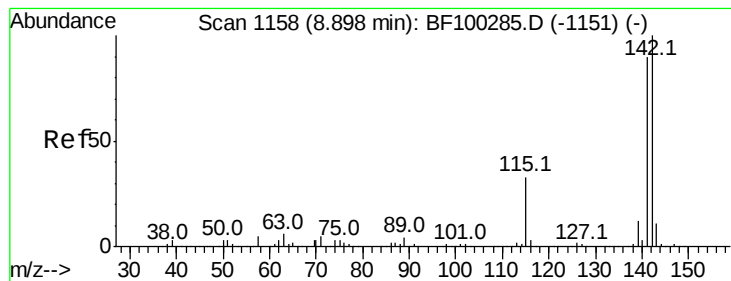
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1





#37

2-Methylnaphthalene

Concen: 3.059 ng

RT: 8.86 min Scan# 1152

Delta R.T. -0.02 min

Lab File: BF100763.D

Acq: 21 Nov 2017 7:01

Instrument :

BNA_F

ClientSampleId :

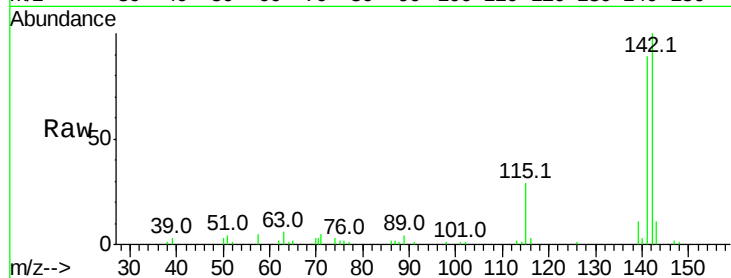
Tot Ion:142 Resp: 34708

Ion Ratio Lower Upper

142 100

141 88.8 70.8 106.2

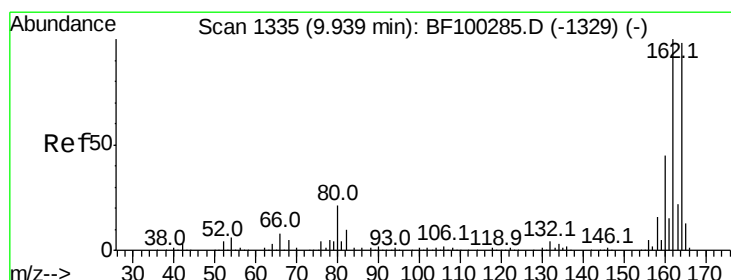
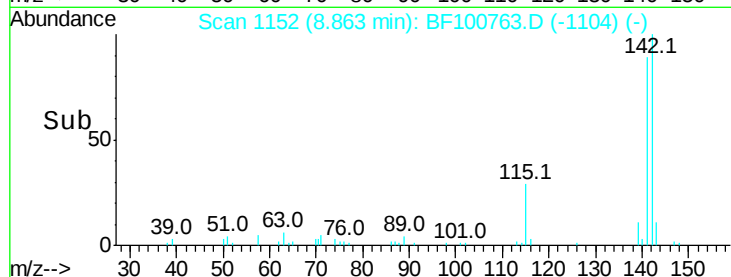
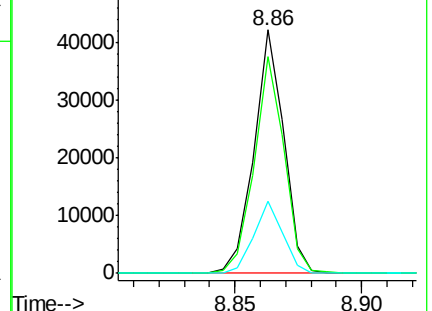
115 29.4 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF100763.D

Acq: 21 Nov 2017 7:01

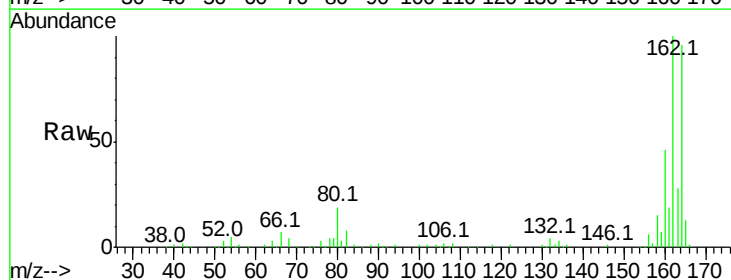
Tgt Ion:164 Resp: 155731

Ion Ratio Lower Upper

164 100

162 103.9 86.1 129.1

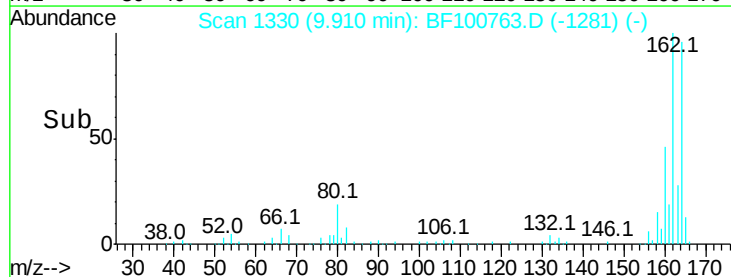
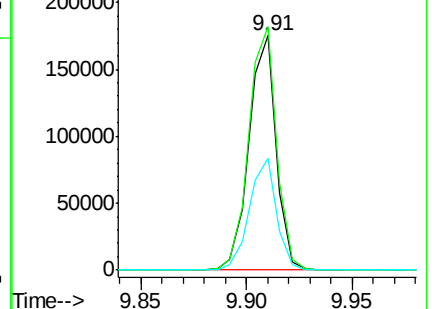
160 47.7 38.3 57.5

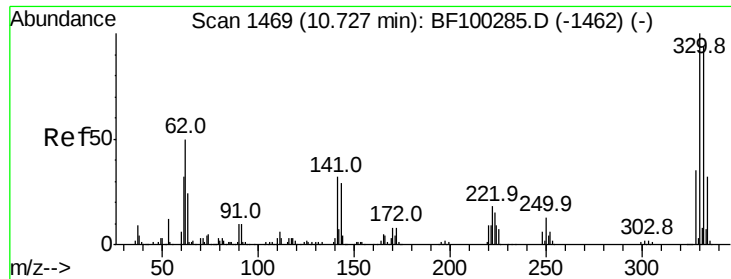


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

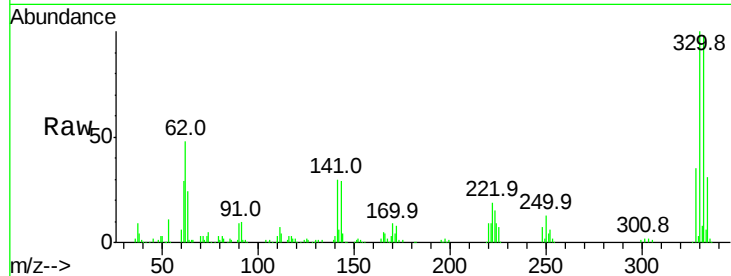




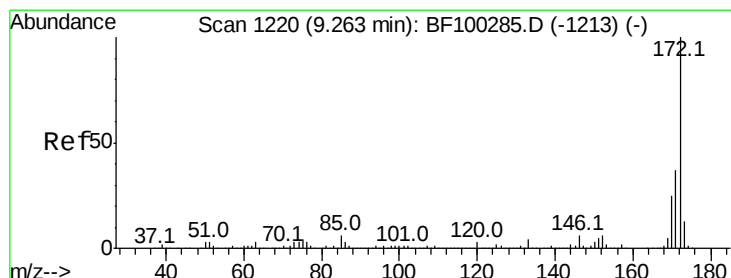
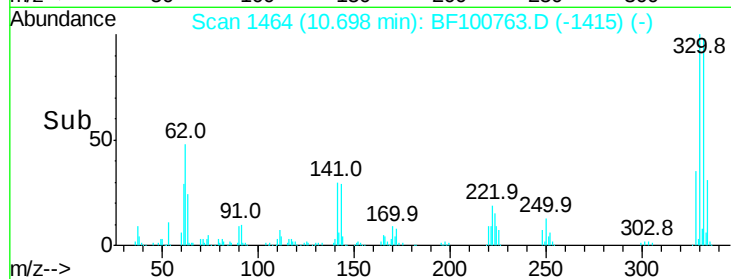
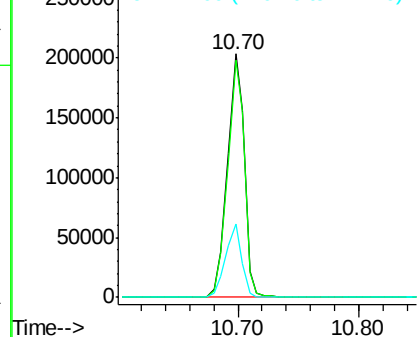
#41
 2,4,6-Tribromophenol
 Concen: 124.108 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF100763.D
 Acq: 21 Nov 2017 7:01

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	28.4	29.9	44.9#

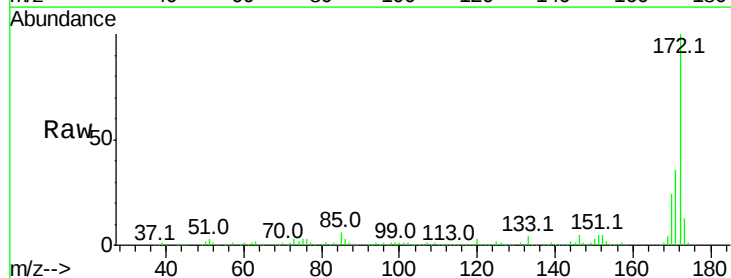


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

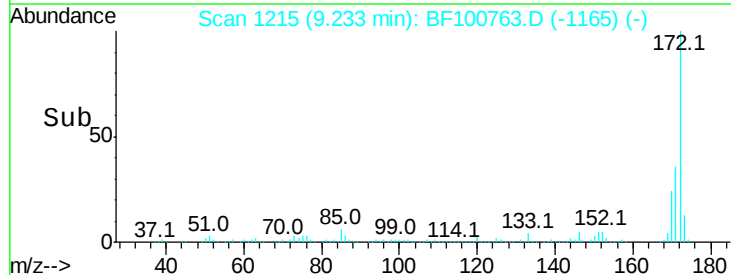
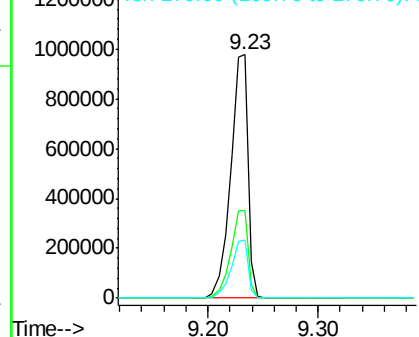


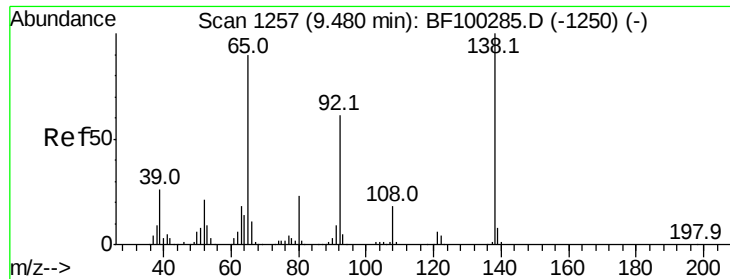
#44
 2-Fluorobiphenyl
 Concen: 105.010 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF100763.D
 Acq: 21 Nov 2017 7:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.6	19.6	29.4



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





#47

2-Nitroaniline

Concen: 3.342 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.24 min

Lab File: BF100763.D

Acq: 21 Nov 2017 7:01

Instrument :

BNA_F

ClientSampleId :

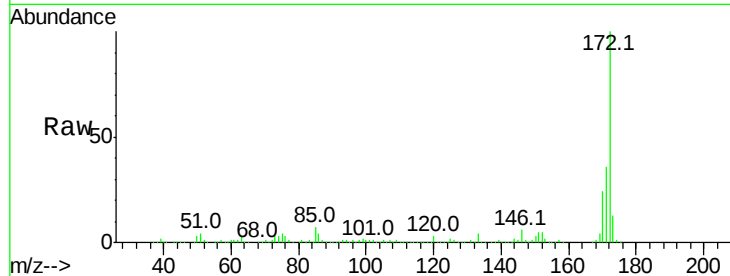
Tot Ion: 65 Resp: 1712

Ion Ratio Lower Upper

65 100

92 165.0 55.8 83.6#

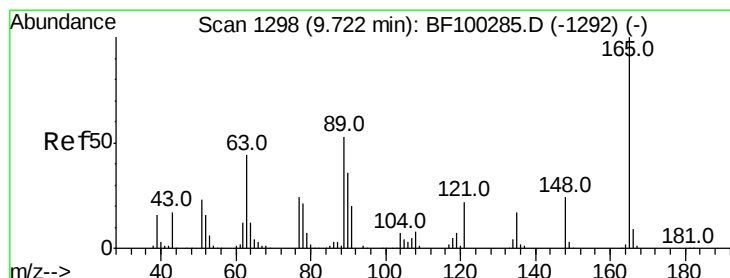
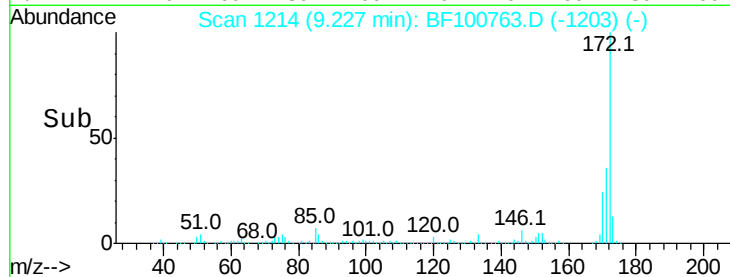
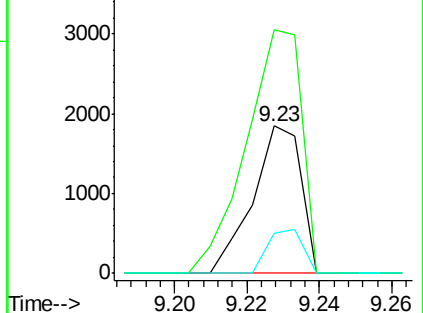
138 27.3 91.2 136.8#



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



#50

2,6-Dinitrotoluene

Concen: 8.698 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.21 min

Lab File: BF100763.D

Acq: 21 Nov 2017 7:01

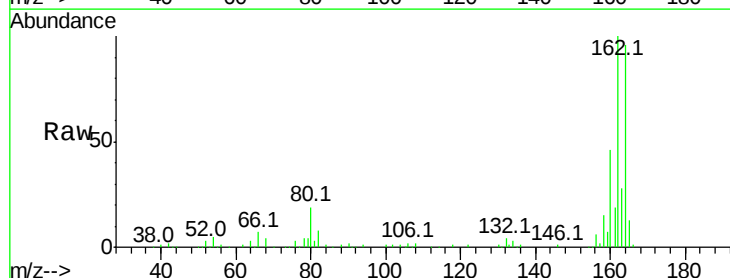
Tgt Ion: 165 Resp: 20471

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

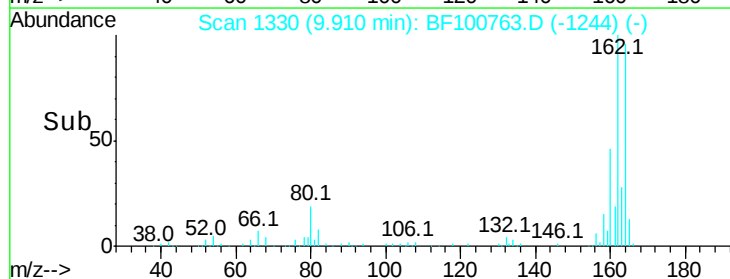
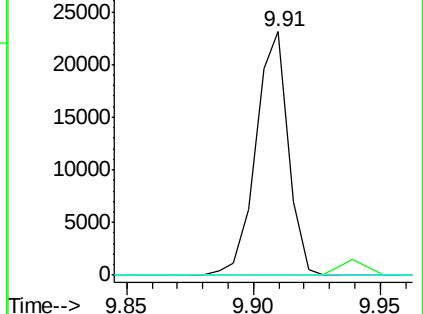
89 0.0 44.0 66.0#

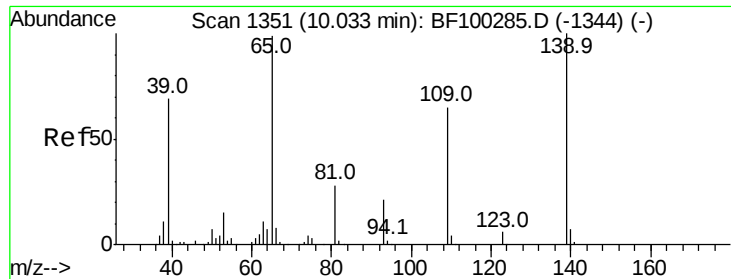


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#55

4-Nitrophenol

Concen: 2.341 ng

RT: 10.11 min Scan# 1364

Delta R.T. 0.09 min

Lab File: BF100763.D

Acq: 21 Nov 2017 7:01

Instrument :

BNA_F

ClientSampleId :

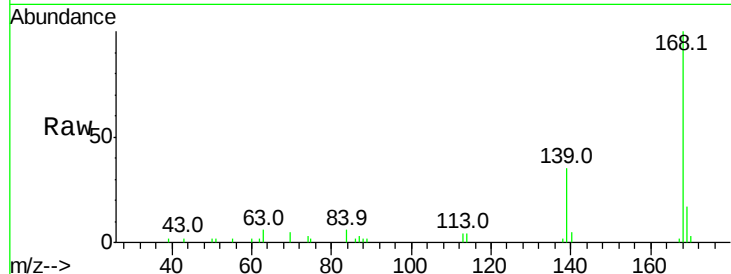
Tot Ion:139 Resp: 5284

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

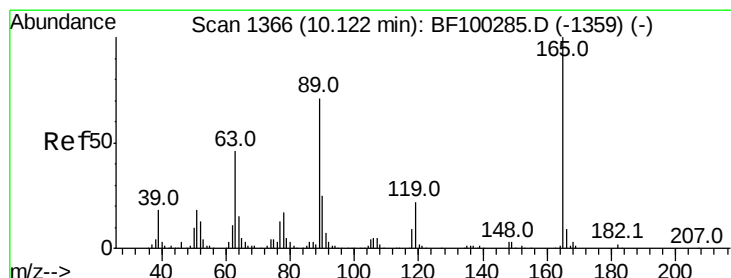
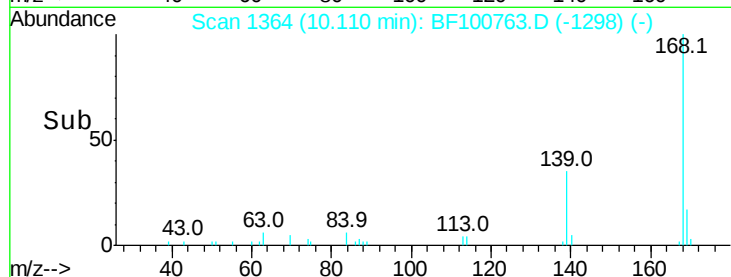
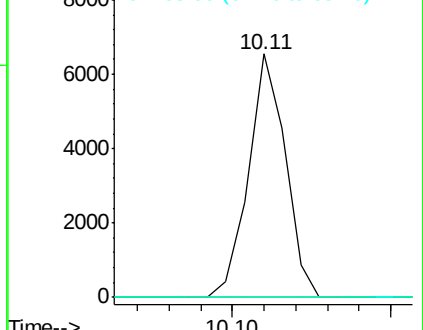
65 0.0 72.6 112.6#



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: 6.895 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.20 min

Lab File: BF100763.D

Acq: 21 Nov 2017 7:01

Tgt Ion:165 Resp: 20471

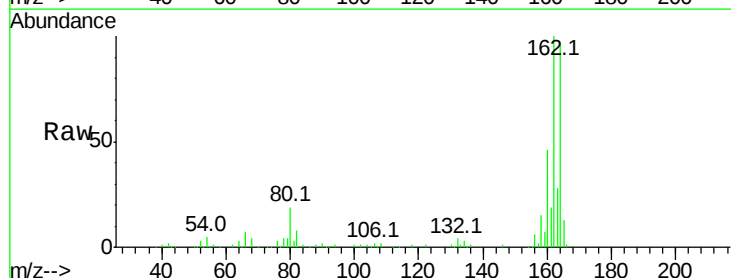
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

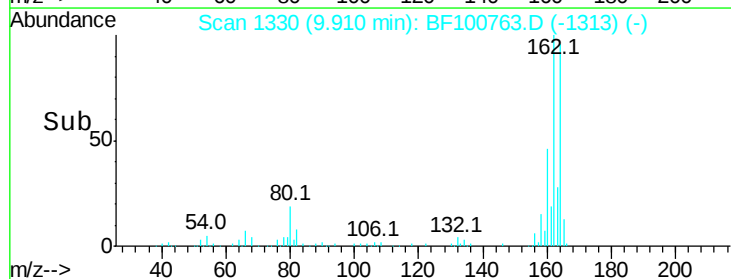
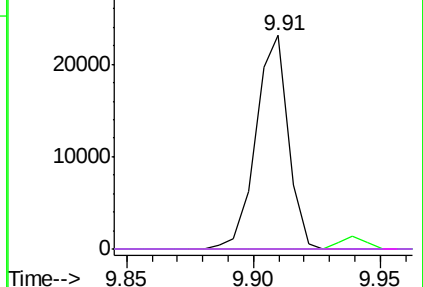


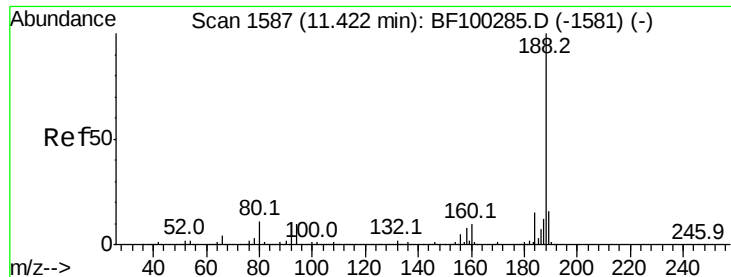
Abundance Ion 165.00 (164.70 to 165.70): E

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

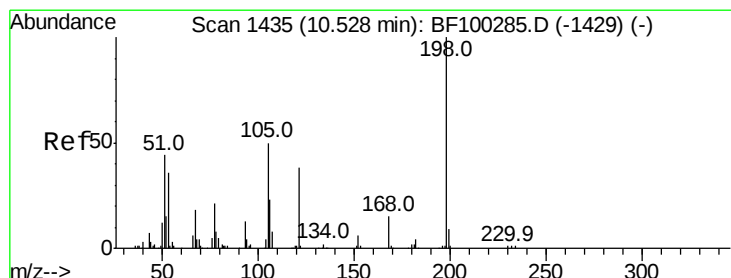
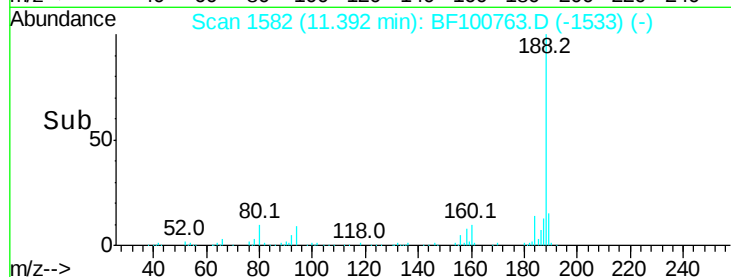
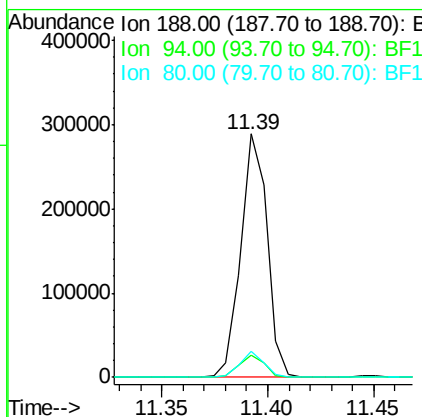
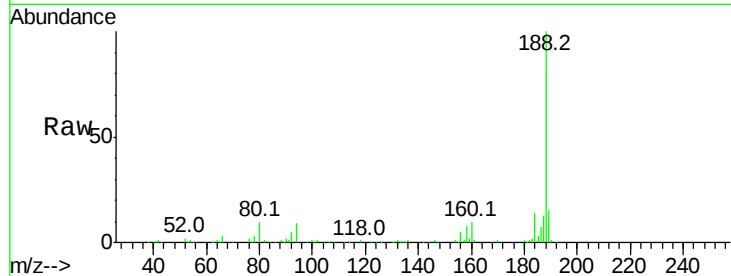




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF100763.D
Acq: 21 Nov 2017 7:01

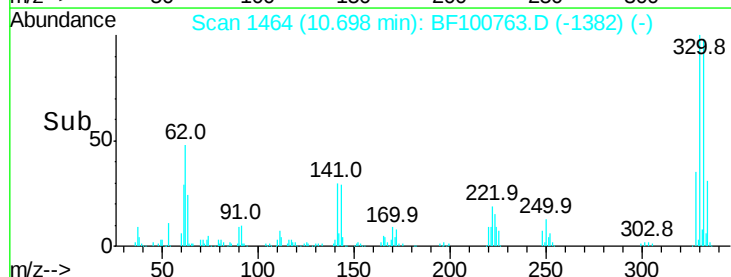
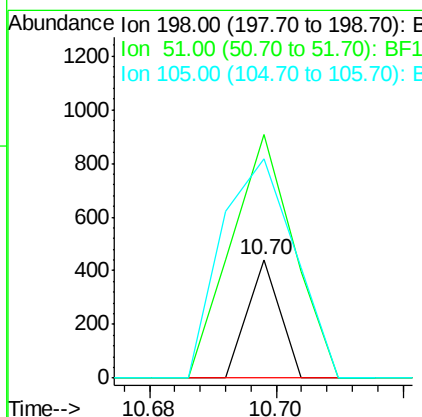
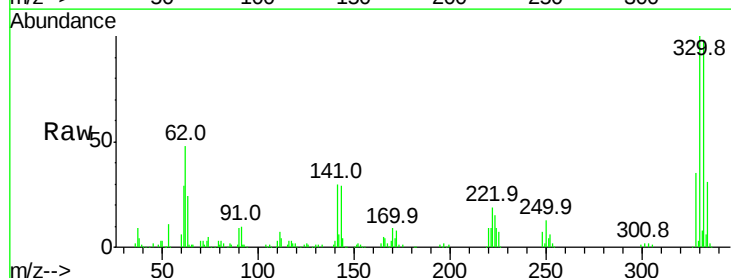
Instrument :
BNA_F
ClientSampleId :

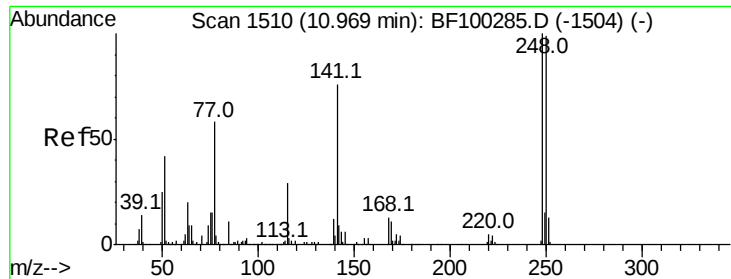
Tot Ion:188 Resp: 249268
Ion Ratio Lower Upper
188 100
94 8.9 8.5 12.7
80 10.4 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.672 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.18 min
Lab File: BF100763.D
Acq: 21 Nov 2017 7:01

Tgt Ion:198 Resp: 156
Ion Ratio Lower Upper
198 100
51 205.2 37.7 77.7#
105 184.4 36.3 76.3#

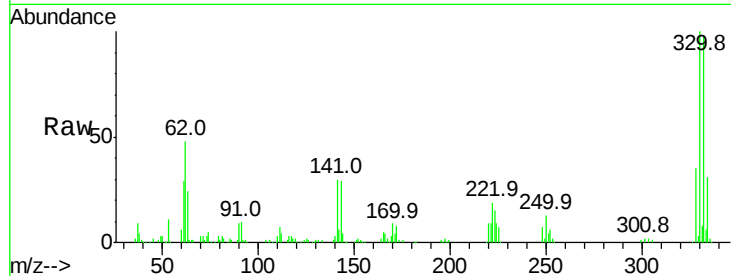




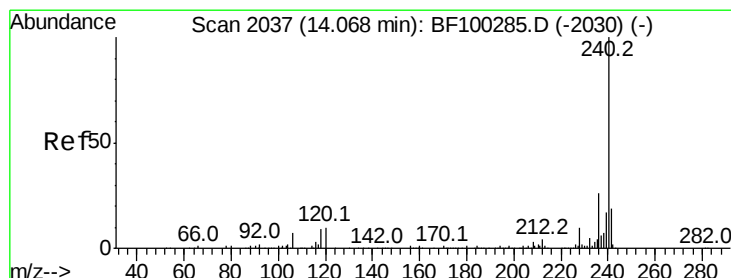
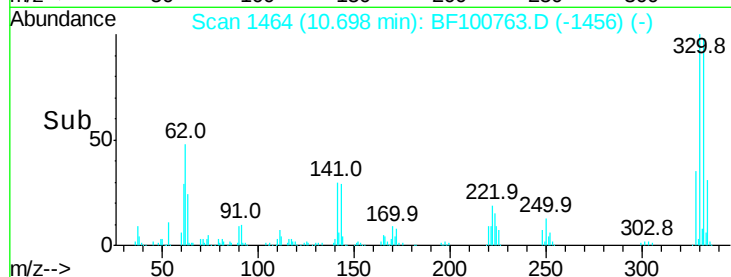
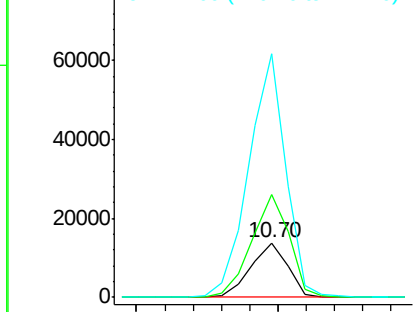
#66
4-Bromophenyl-phenylether
Concen: 4.713 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.25 min
Lab File: BF100763.D
Acq: 21 Nov 2017 7:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 12594
Ion Ratio Lower Upper
248 100
250 188.3 76.9 115.3#
141 444.9 74.4 111.6#

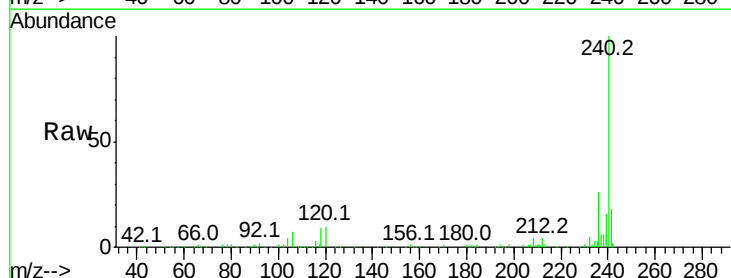


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

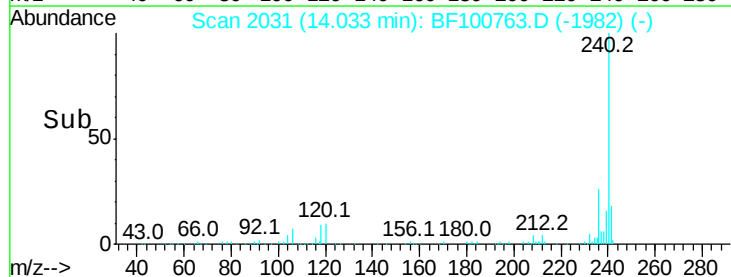
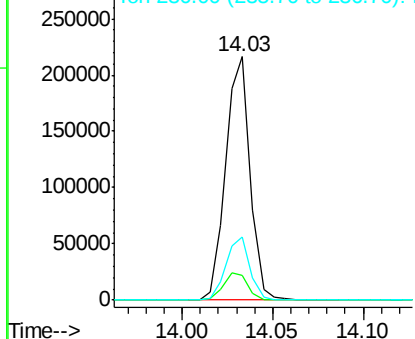


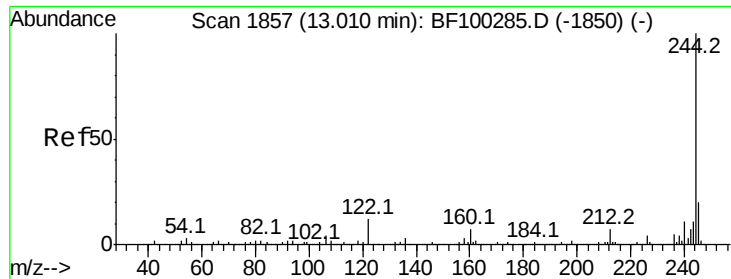
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF100763.D
Acq: 21 Nov 2017 7:01

Tgt Ion:240 Resp: 202411
Ion Ratio Lower Upper
240 100
120 10.2 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

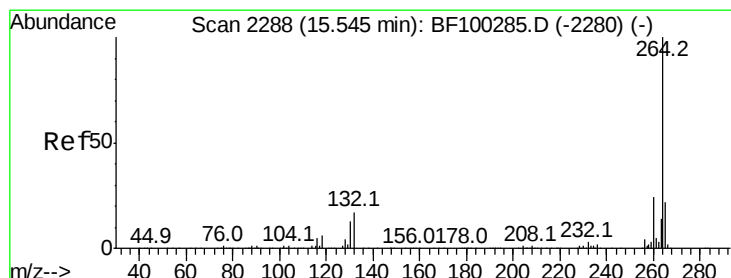
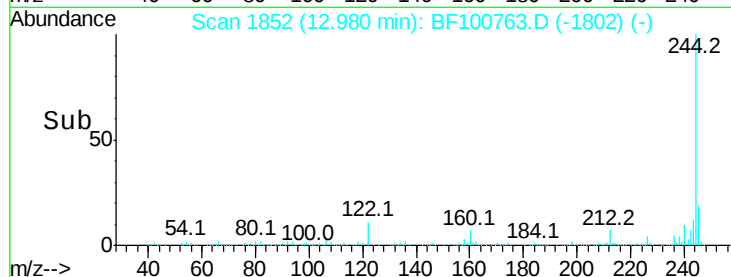
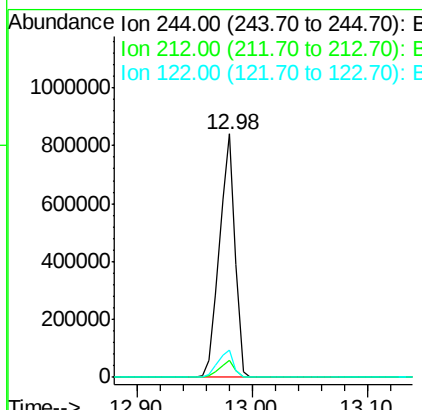
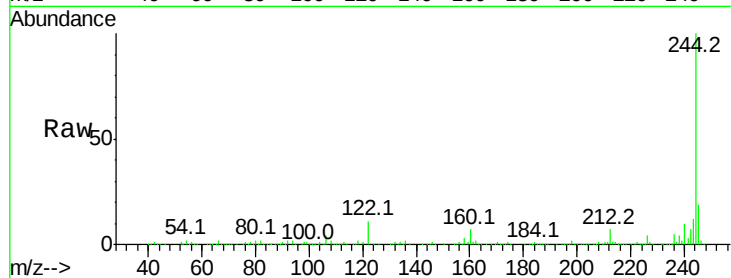




#78
 Terphenyl-d14
 Concen: 89.005 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF100763.D
 Acq: 21 Nov 2017 7:01

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 784072
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 11.1 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2281
 Delta R.T. -0.01 min
 Lab File: BF100763.D
 Acq: 21 Nov 2017 7:01

Tgt Ion:264 Resp: 156389
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.2 28.8
 265 21.2 17.5 26.3

