

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110317\
 Data File : BF100158.D
 Acq On : 4 Nov 2017 3:07
 Operator : SJ/JU
 Sample : I6160-04
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 04 03:47:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 15:46:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	91497	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	382477	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	167279	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	270387	20.00	ng	0.00
75) Chrysene-d12	13.95	240	155895	20.00	ng	0.00
86) Perylene-d12	15.41	264	157993	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	249589	42.83	ng	0.00
7) Phenol-d6	6.42	99	193147	27.95	ng	0.00
23) Nitrobenzene-d5	7.34	82	445201	74.94	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	148970	97.72	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	875771	80.77	ng	0.00
78) Terphenyl-d14	12.88	244	604921	84.80	ng	0.00

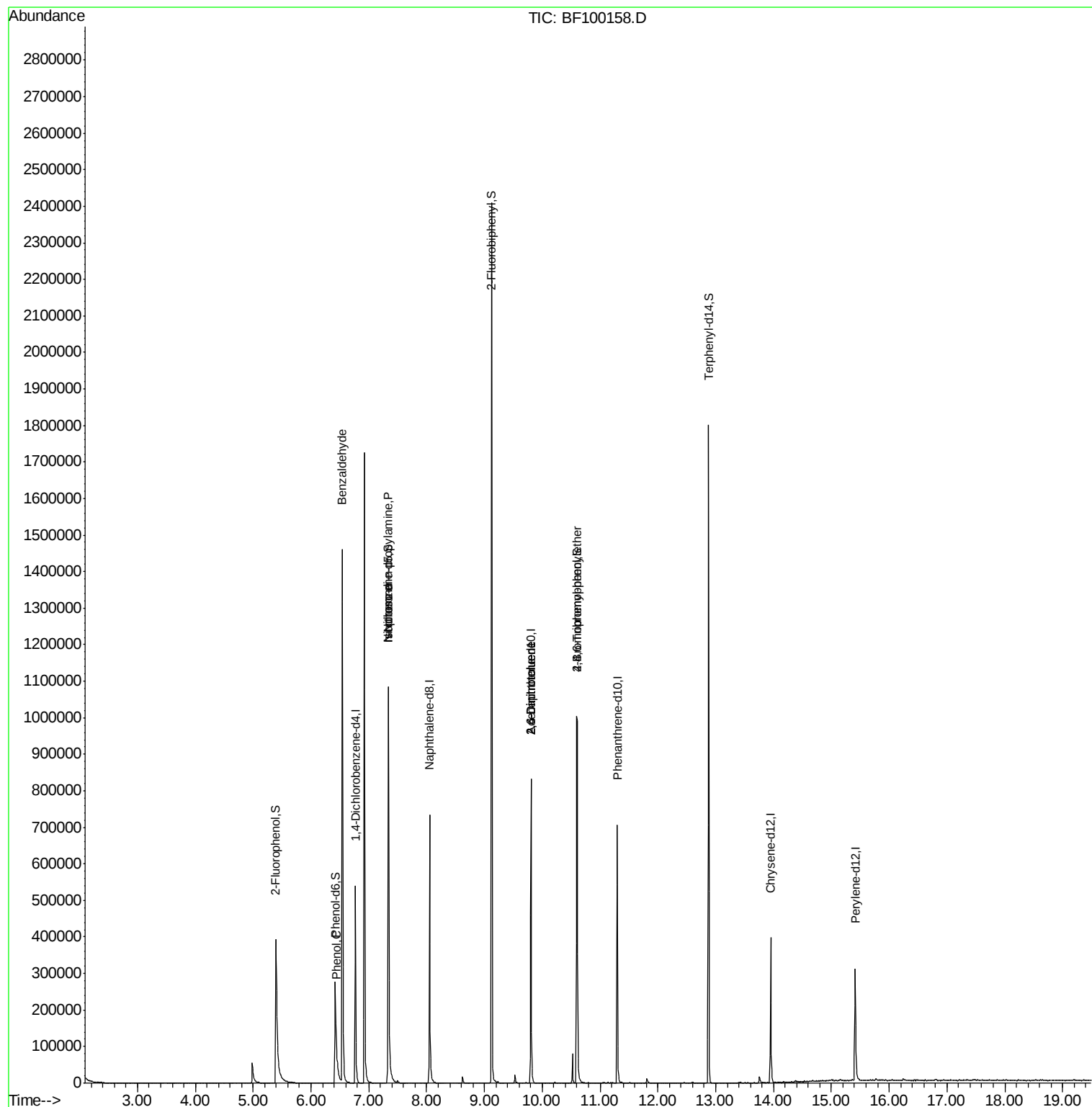
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.54	77	9158	2.218	ng	92
10) Phenol	6.44	94	16203	2.136	ng	# 75
19) n-Nitroso-di-n-propylamine	7.34	70	54172	13.377	ng	# 73
25) Isophorone	7.34	82	445201	41.298	ng	# 64
50) 2,6-Dinitrotoluene	9.80	165	21604	7.758	ng	# 25
56) 2,4-Dinitrotoluene	9.80	165	21604	6.442	ng	# 23
66) 4-Bromophenyl-phenylether	10.60	248	9416	3.308	ng	# 1

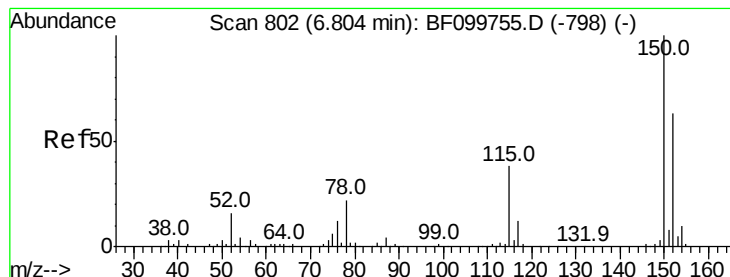
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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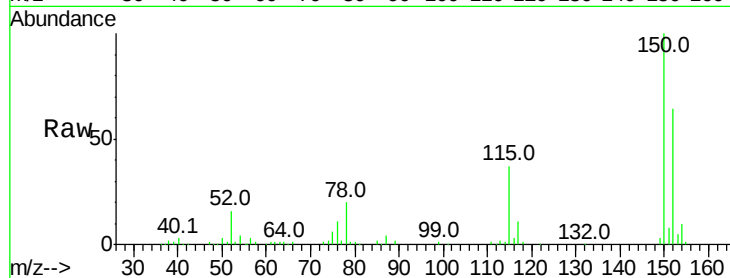


#1

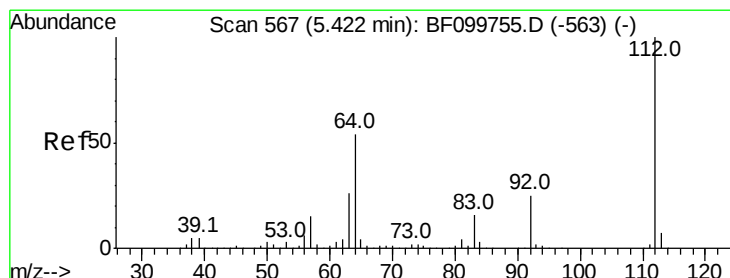
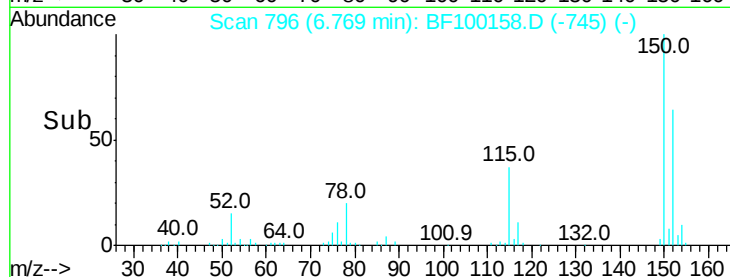
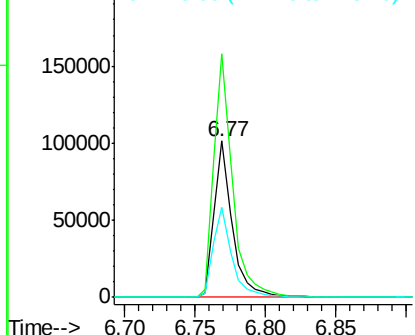
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. 0.00 min
Lab File: BF100158.D
Acq: 4 Nov 2017 3:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 91497
Ion Ratio Lower Upper
152 100
150 155.9 124.6 186.8
115 57.6 50.1 75.1



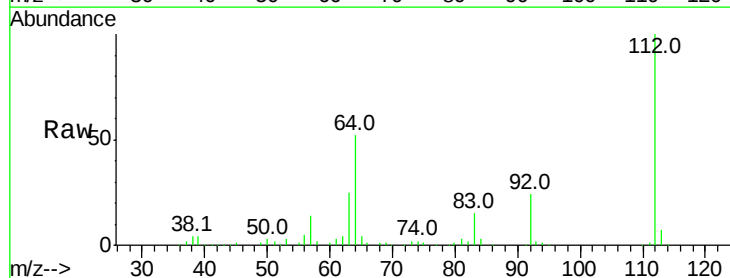
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



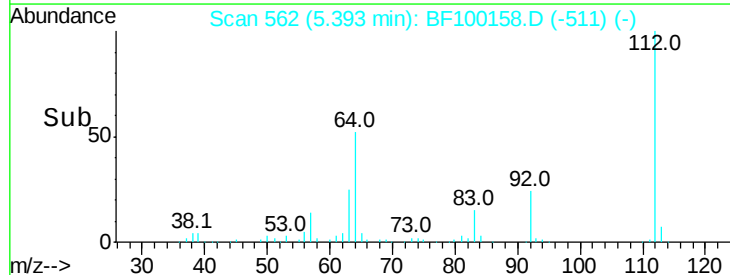
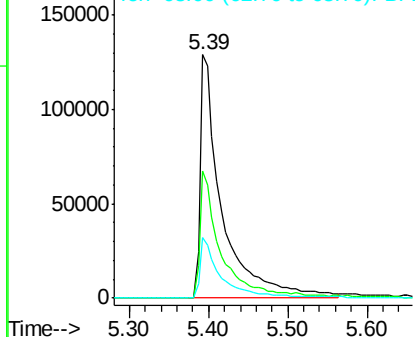
#5

2-Fluorophenol
Concen: 42.826 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.00 min
Lab File: BF100158.D
Acq: 4 Nov 2017 3:07

Tgt Ion:112 Resp: 249589
Ion Ratio Lower Upper
112 100
64 52.4 47.9 71.9
63 24.7 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: 27.950 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF100158.D

Acq: 4 Nov 2017 3:07

Instrument :

BNA_F

ClientSampleId :

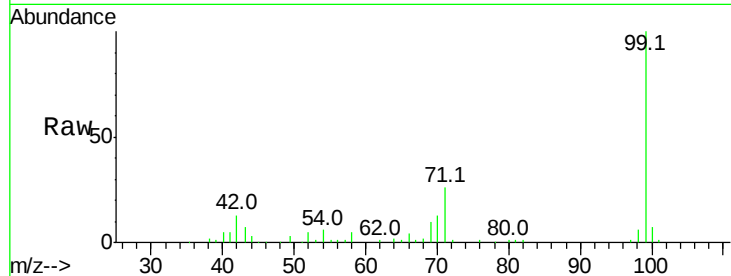
Tot Ion: 99 Resp: 193147

Ion Ratio Lower Upper

99 100

42 12.7 14.5 21.7#

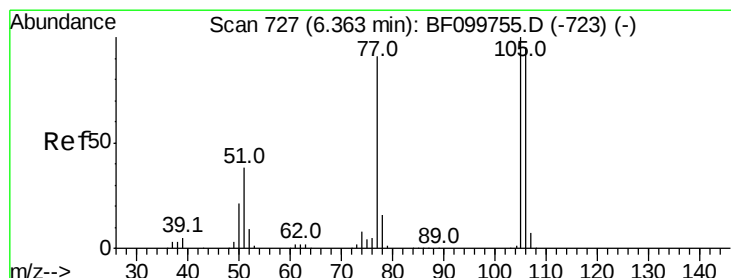
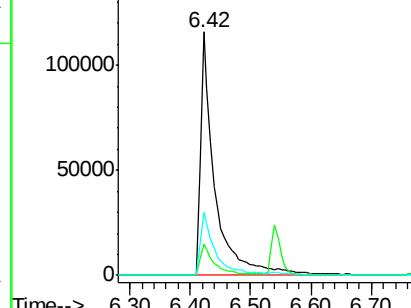
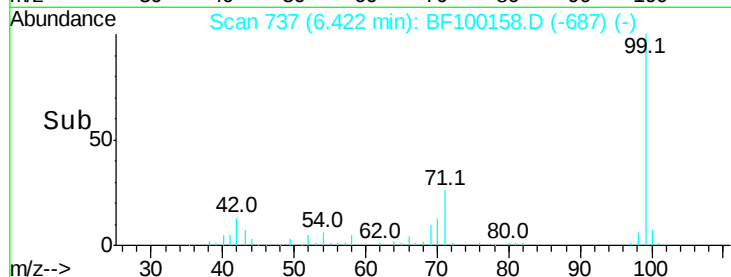
71 26.1 25.4 38.0



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: 2.218 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.21 min

Lab File: BF100158.D

Acq: 4 Nov 2017 3:07

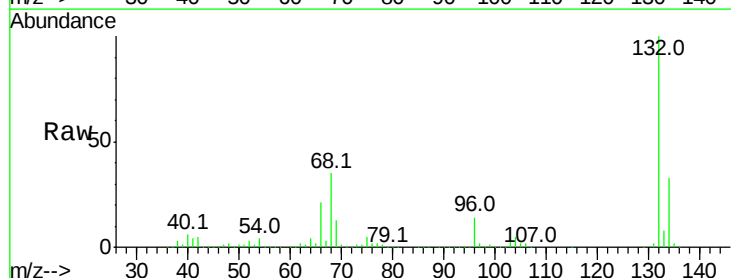
Tgt Ion: 77 Resp: 9158

Ion Ratio Lower Upper

77 100

105 90.2 81.1 121.1

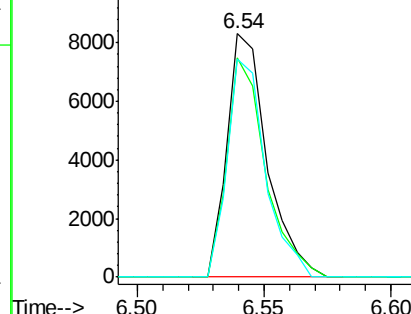
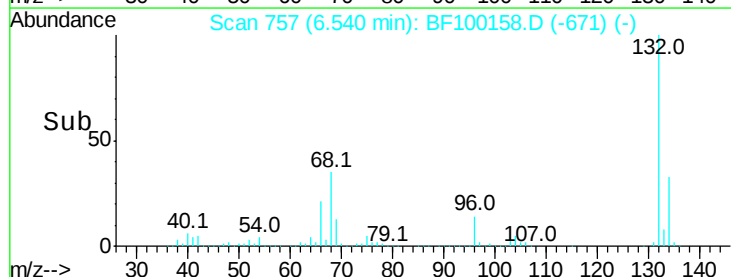
106 89.4 74.5 114.5

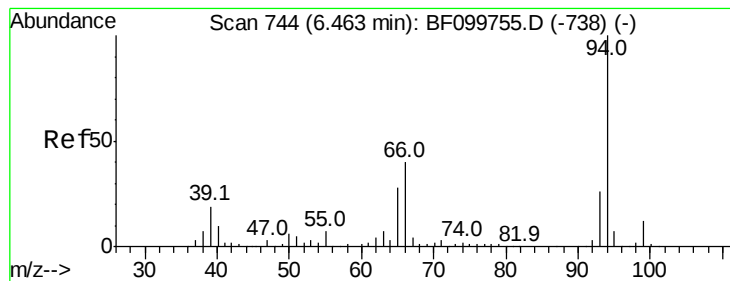


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.136 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF100158.D

Acq: 4 Nov 2017 3:07

Instrument :

BNA_F

ClientSampled :

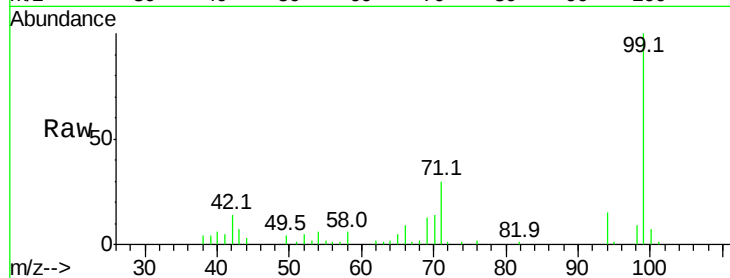
Tot Ion: 94 Resp: 16203

Ion Ratio Lower Upper

94 100

65 32.4 7.9 47.9

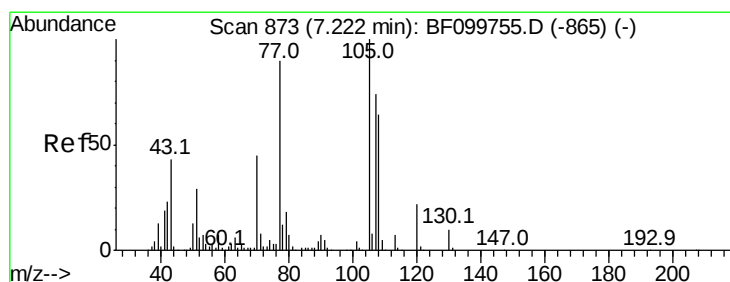
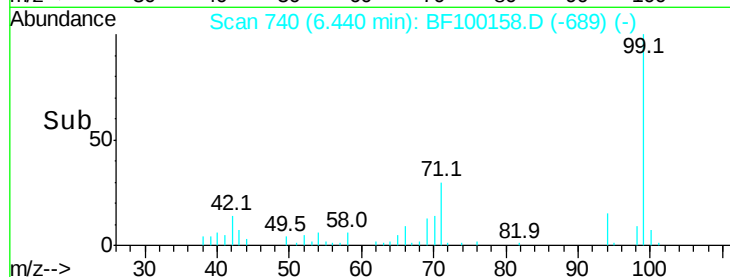
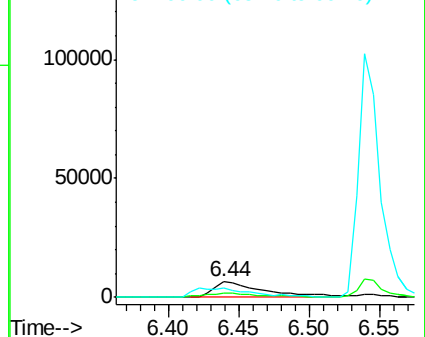
66 57.9 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 13.377 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.15 min

Lab File: BF100158.D

Acq: 4 Nov 2017 3:07

Tgt Ion: 70 Resp: 54172

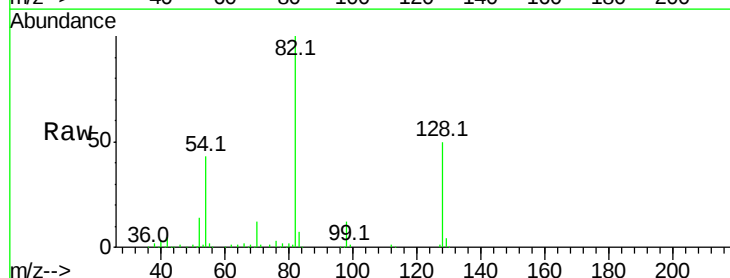
Ion Ratio Lower Upper

70 100

42 41.5 47.5 71.3#

101 0.0 7.4 11.2#

130 3.1 16.6 25.0#

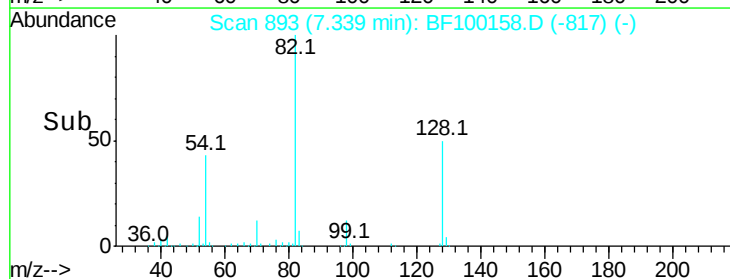
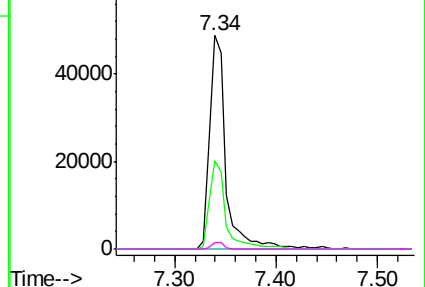


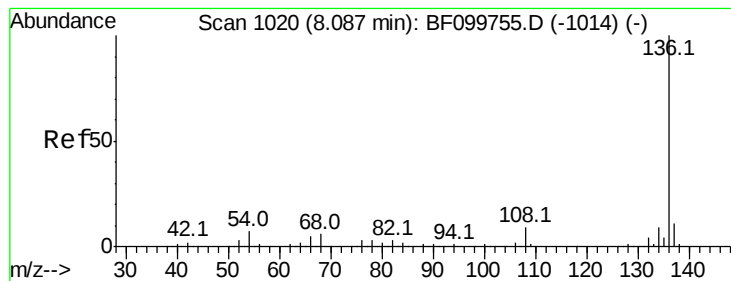
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.05 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF100158.D

Acq: 4 Nov 2017 3:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 382477

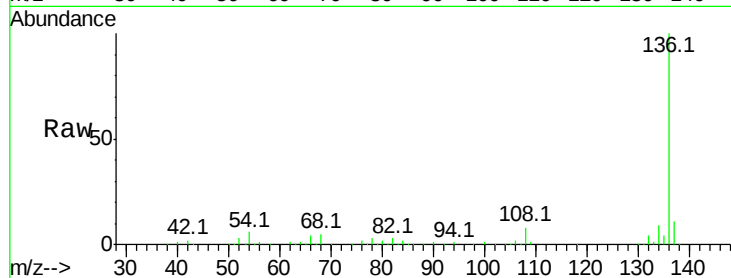
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 6.2 6.6 9.8#

68 5.5 5.0 7.4

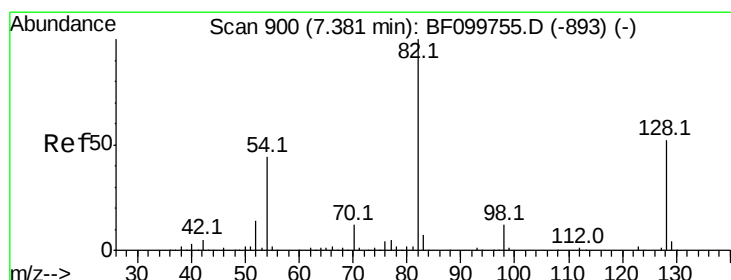
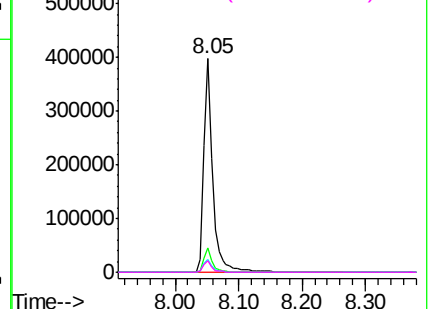
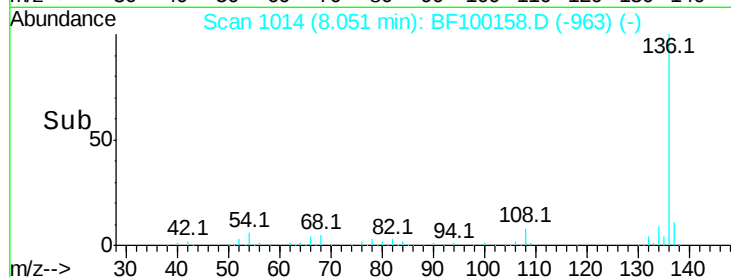


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.939 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.01 min

Lab File: BF100158.D

Acq: 4 Nov 2017 3:07

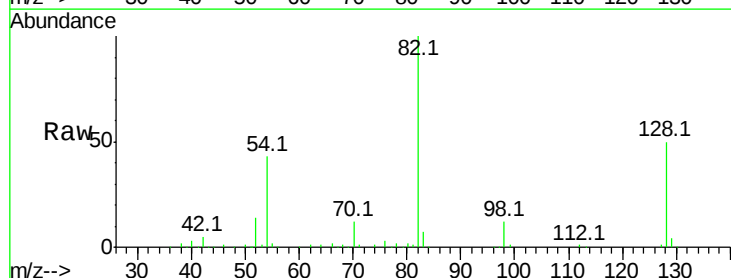
Tgt Ion: 82 Resp: 445201

Ion Ratio Lower Upper

82 100

128 50.0 36.1 54.1

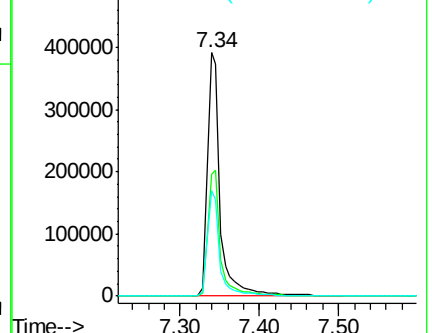
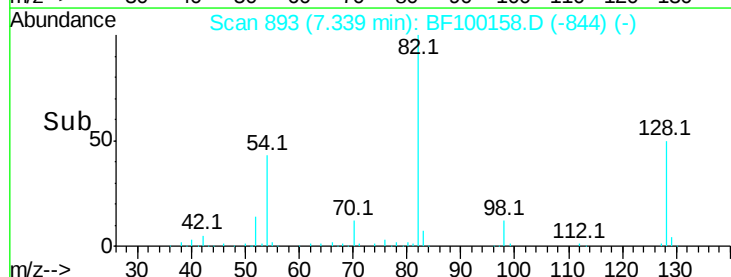
54 43.5 41.4 62.2



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: 41.298 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.26 min

Lab File: BF100158.D

Acq: 4 Nov 2017 3:07

Instrument :

BNA_F

ClientSampled :

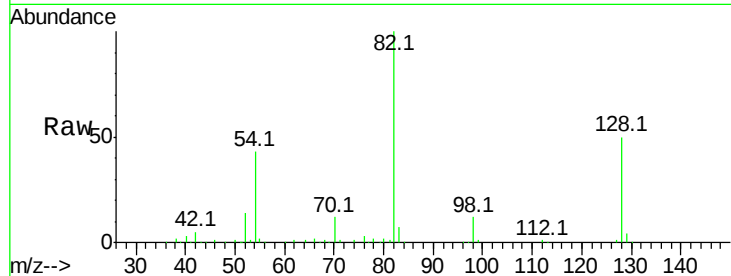
Tot Ion: 82 Resp: 445201

Ion Ratio Lower Upper

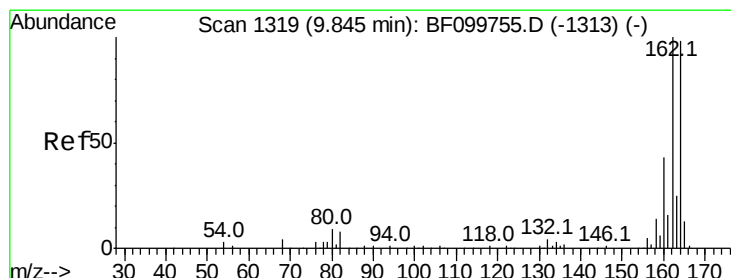
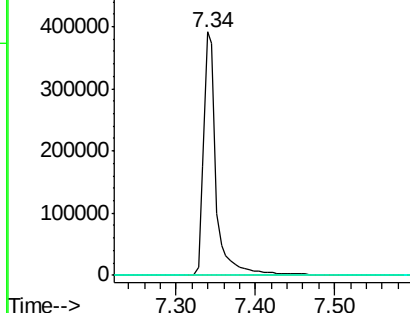
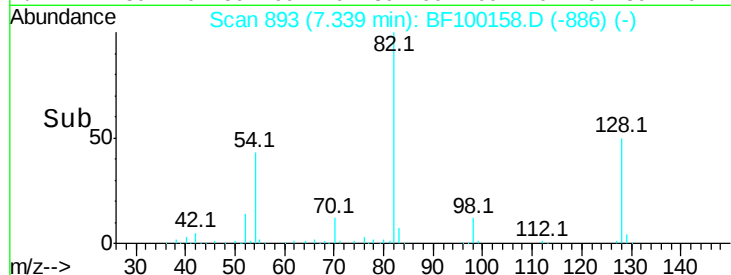
82 100

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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF100158.D

Acq: 4 Nov 2017 3:07

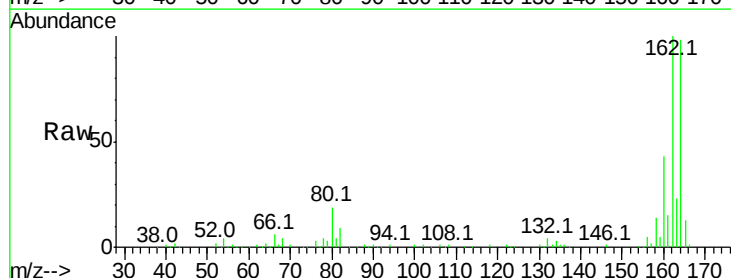
Tgt Ion:164 Resp: 167279

Ion Ratio Lower Upper

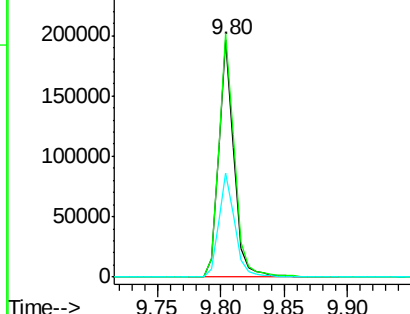
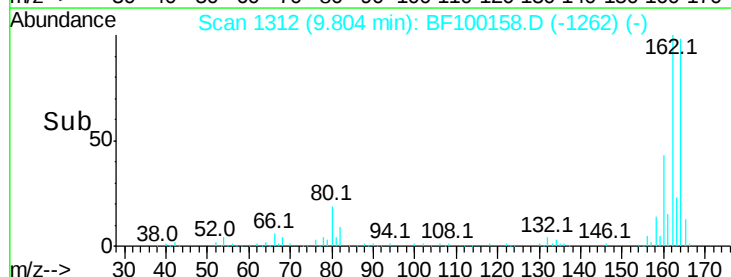
164 100

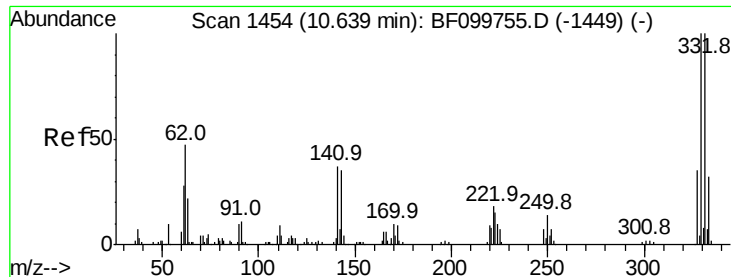
162 102.5 86.1 129.1

160 44.0 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

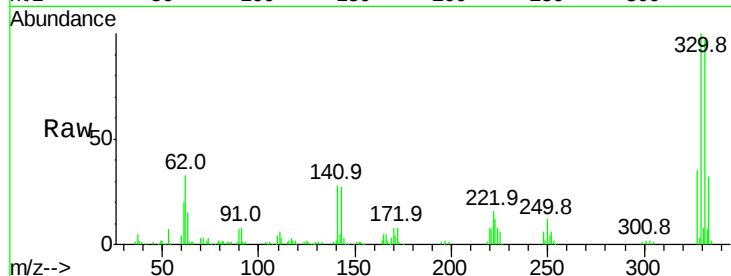




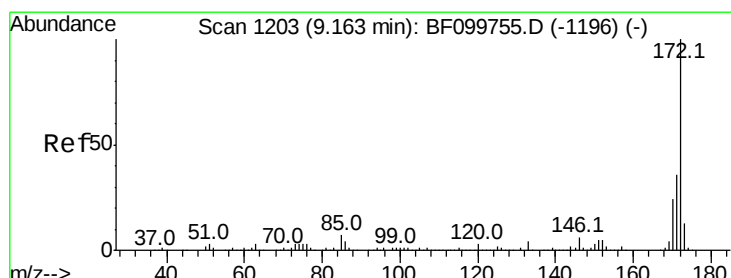
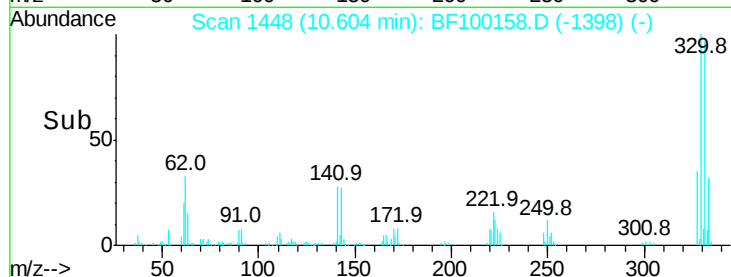
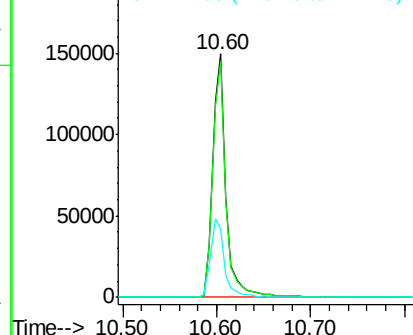
#41
 2,4,6-Tribromophenol
 Concen: 97.721 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF100158.D
 Acq: 4 Nov 2017 3:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 148970
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.0 115.6
 141 34.0 29.9 44.9

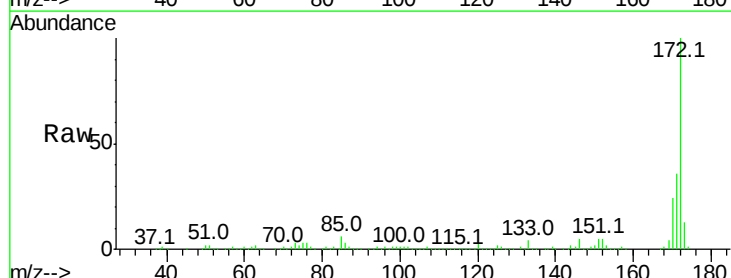


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

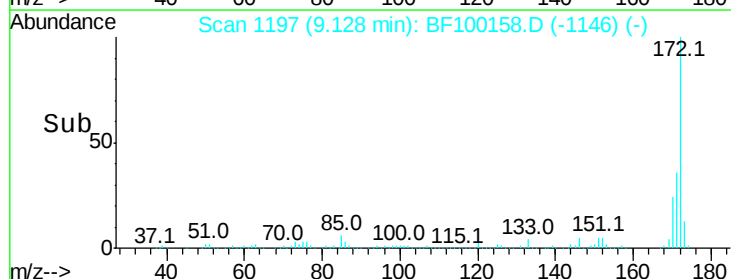
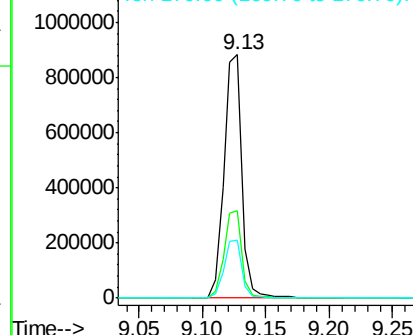


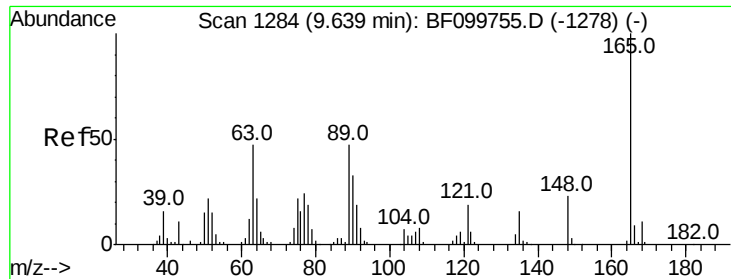
#44
 2-Fluorobiphenyl
 Concen: 80.774 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF100158.D
 Acq: 4 Nov 2017 3:07

Tgt Ion:172 Resp: 875771
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 23.8 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





#50

2,6-Dinitrotoluene

Concen: 7.758 ng

RT: 9.80 min Scan# 1312

Delta R.T. 0.19 min

Lab File: BF100158.D

Acq: 4 Nov 2017 3:07

Instrument :

BNA_F

ClientSampleId :

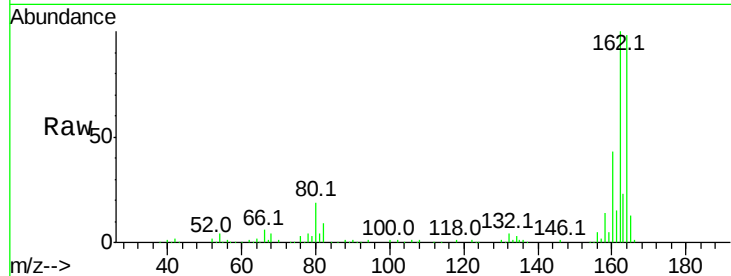
Tot Ion:165 Resp: 21604

Ion Ratio Lower Upper

165 100

63 1.3 44.7 67.1#

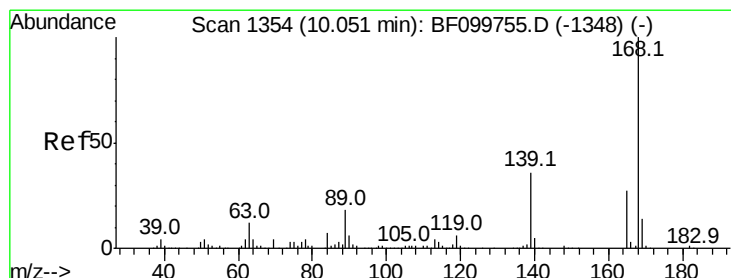
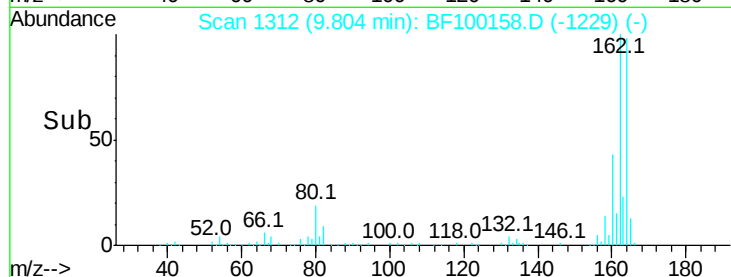
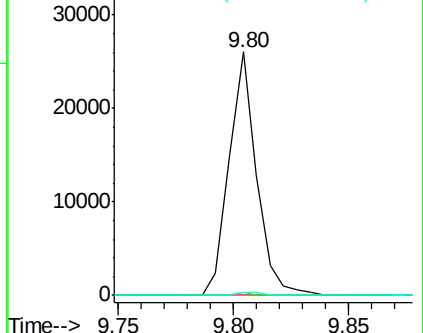
89 1.2 44.0 66.0#



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



#56

2,4-Dinitrotoluene

Concen: 6.442 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.22 min

Lab File: BF100158.D

Acq: 4 Nov 2017 3:07

Tgt Ion:165 Resp: 21604

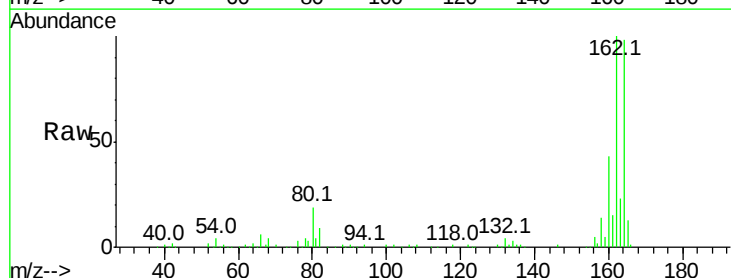
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.2 57.8 86.6#

182 0.0 1.6 2.4#

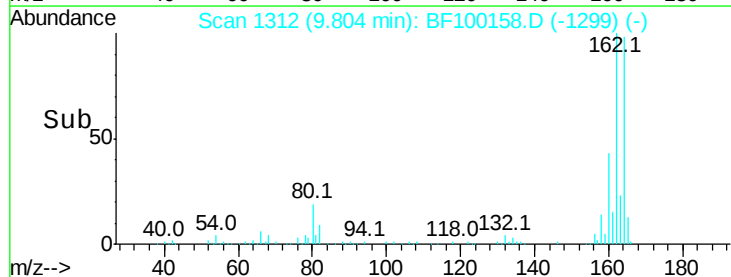
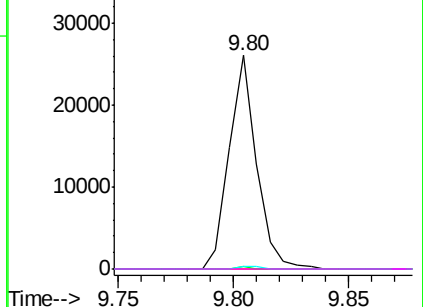


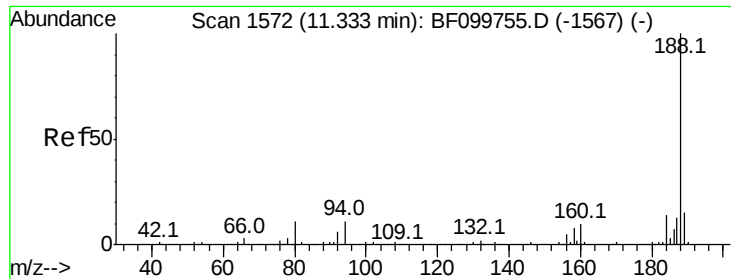
Abundance Ion 165.00 (164.70 to 165.70): E

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

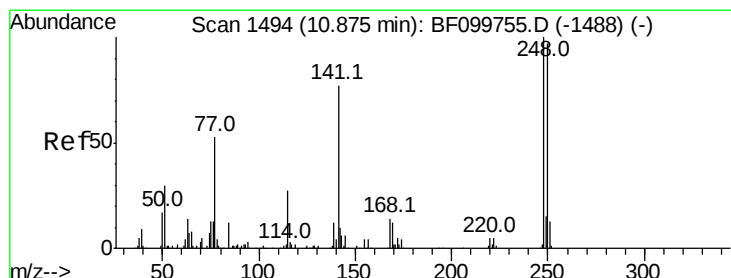
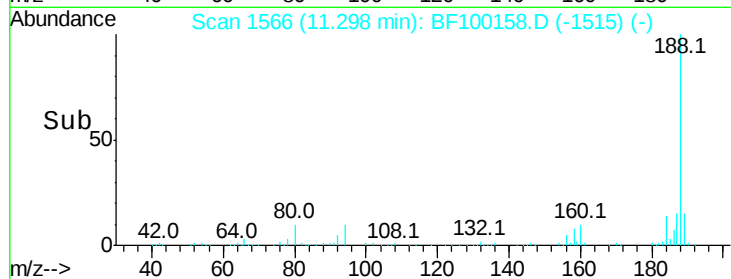
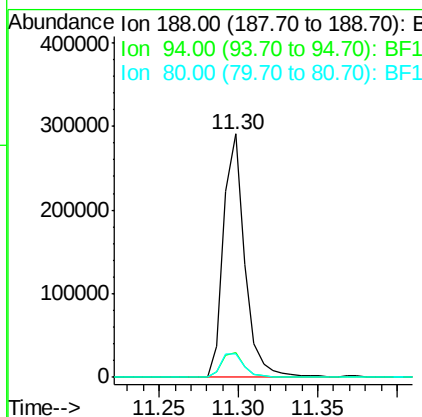
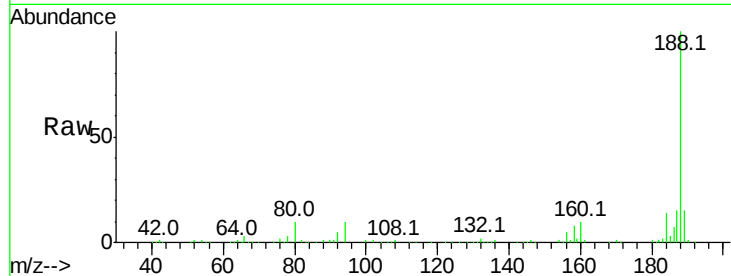




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. 0.00 min
Lab File: BF100158.D
Acq: 4 Nov 2017 3:07

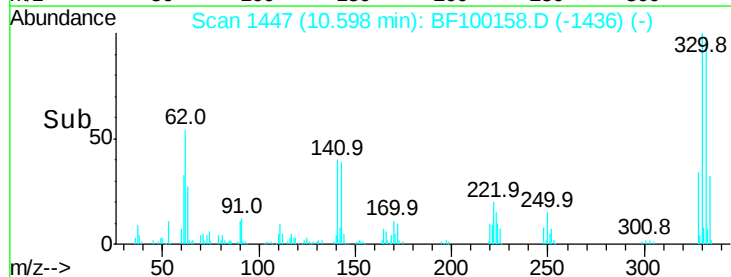
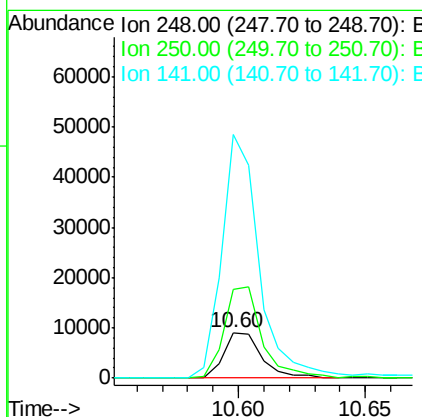
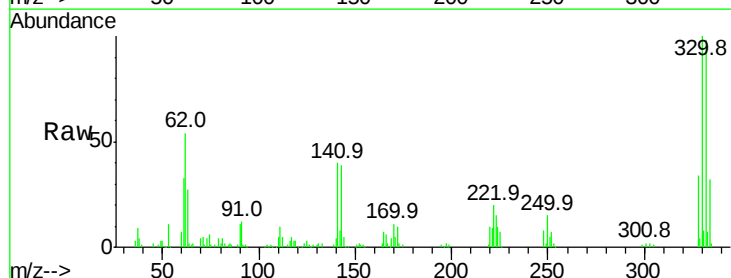
Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.5	12.7
80	9.8	9.2	13.8



#66
4-Bromophenyl-phenylether
Concen: 3.308 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.24 min
Lab File: BF100158.D
Acq: 4 Nov 2017 3:07

Tgt Ion	Ratio	Lower	Upper
248	100		
250	195.0	76.9	115.3#
141	532.4	74.4	111.6#

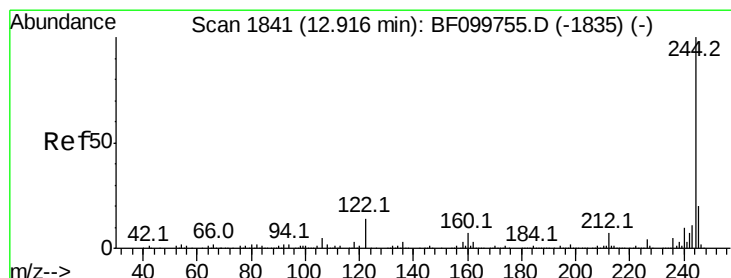
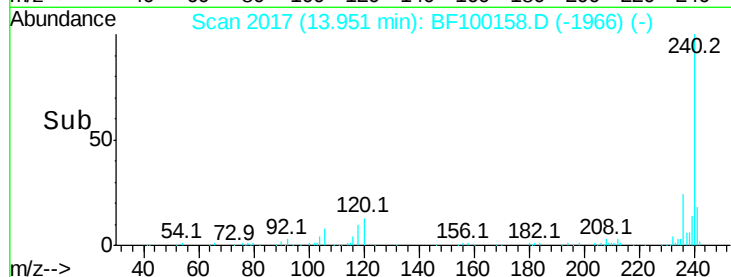
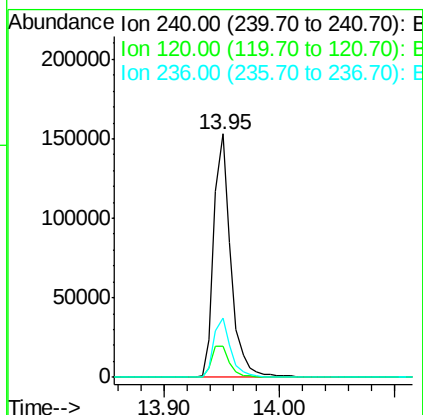
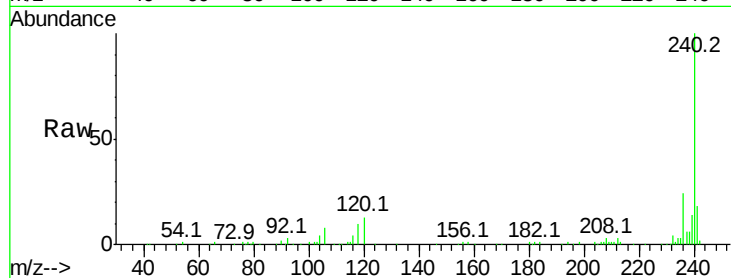




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BF100158.D
Acq: 4 Nov 2017 3:07

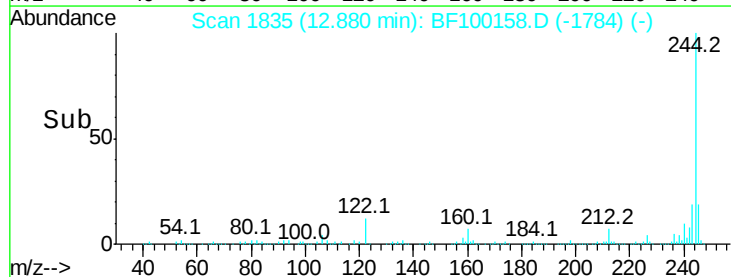
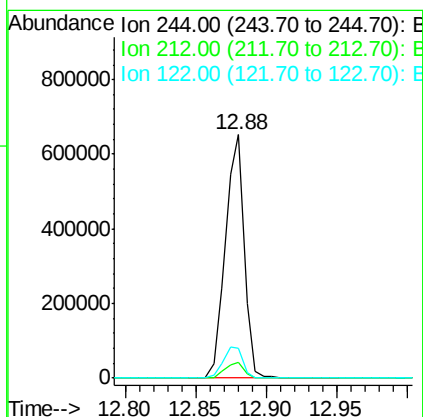
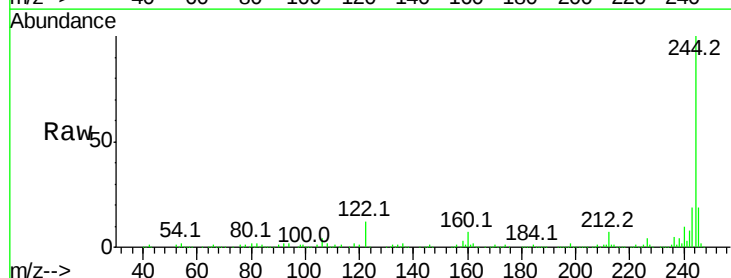
Instrument :
BNA_F
ClientSampleId :

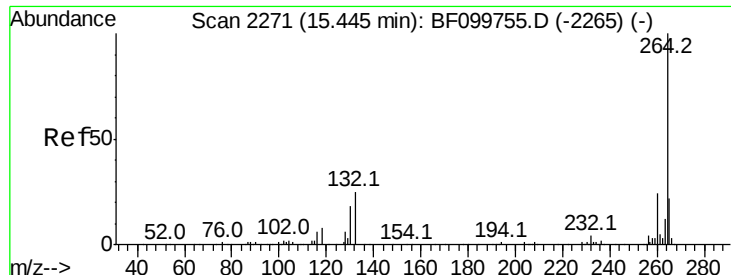
Tot Ion:240 Resp: 155895
Ion Ratio Lower Upper
240 100
120 12.8 9.5 14.3
236 24.2 20.7 31.1



#78
Terphenyl-d14
Concen: 84.799 ng
RT: 12.88 min Scan# 1835
Delta R.T. 0.00 min
Lab File: BF100158.D
Acq: 4 Nov 2017 3:07

Tgt Ion:244 Resp: 604921
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 12.2 11.0 16.4

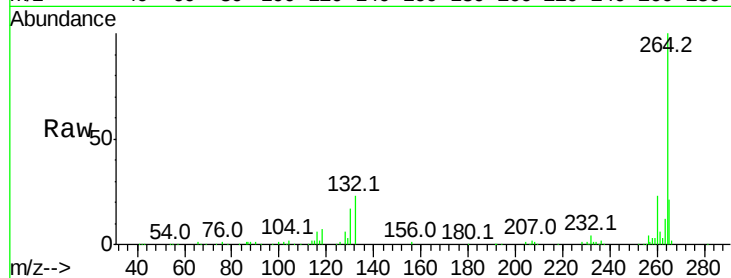




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.41 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: BF100158.D
 Acq: 4 Nov 2017 3:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.2	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

