

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
 Data File : BF100954.D
 Acq On : 29 Nov 2017 1:16
 Operator : SJ/JU
 Sample : I6579-06
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 29 04:47:29 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 15:21:02 2017
 Response via : Initial Calibration

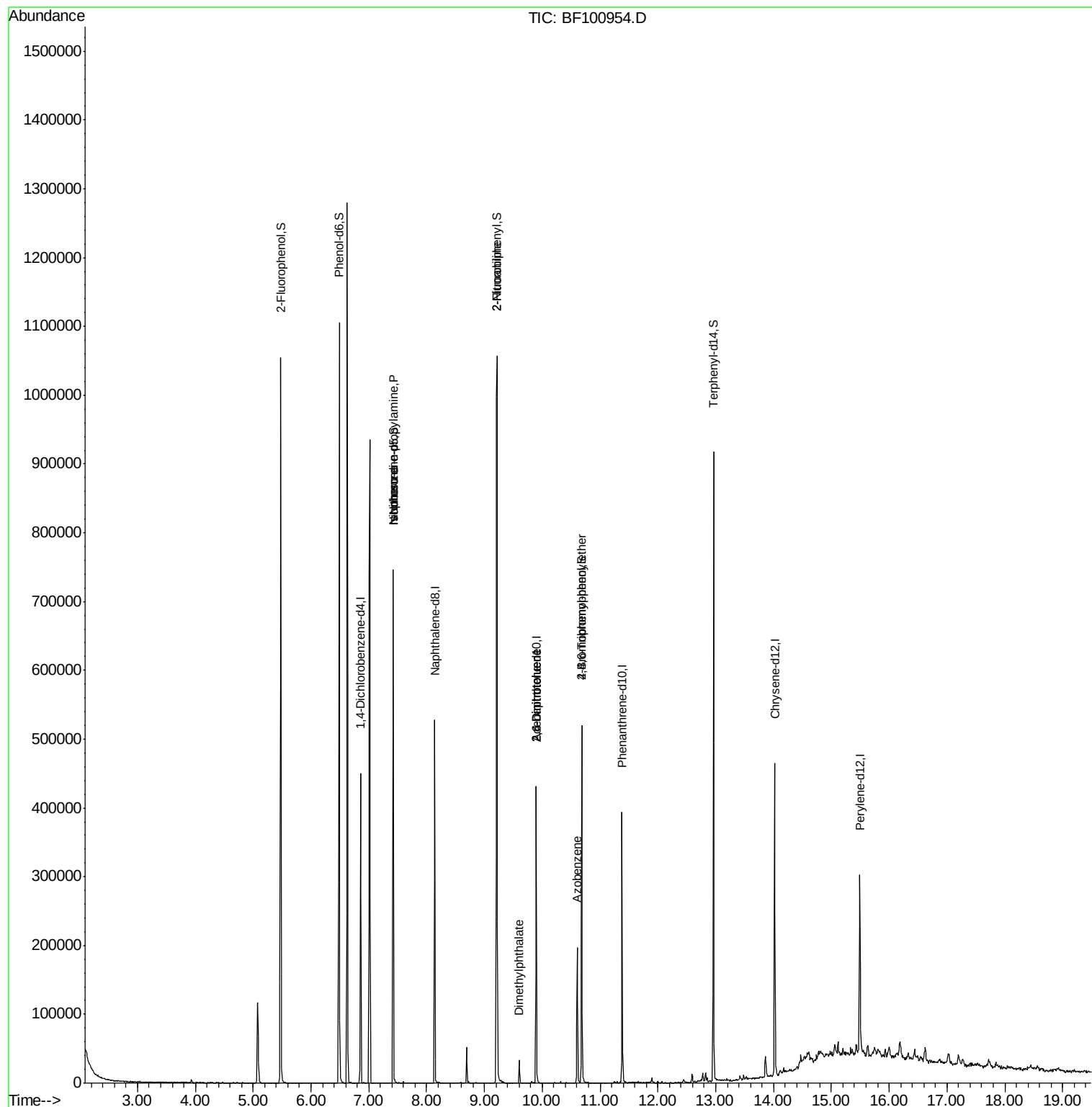
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	60810	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	220432	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	85297	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	137750	20.00	ng	0.00
75) Chrysene-d12	14.02	240	147436	20.00	ng	0.00
86) Perylene-d12	15.49	264	119424	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	301729	79.54	ng	0.00
7) Phenol-d6	6.49	99	359715	76.90	ng	0.00
23) Nitrobenzene-d5	7.42	82	211352	63.39	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	68185	78.45	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	362766	64.76	ng	0.00
78) Terphenyl-d14	12.96	244	289205	45.07	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	26377	8.131	ng	# 83
25) Isophorone	7.42	82	211348	30.165	ng	# 64
47) 2-Nitroaniline	9.21	65	385	3.013	ng	# 1
49) Dimethylphthalate	9.60	163	15233	2.339	ng	# 99
50) 2,6-Dinitrotoluene	9.89	165	10483	8.132	ng	# 25
56) 2,4-Dinitrotoluene	9.89	165	10483	6.446	ng	# 23
62) Azobenzene	10.60	77	30723	5.005	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	3839	2.600	ng	# 1

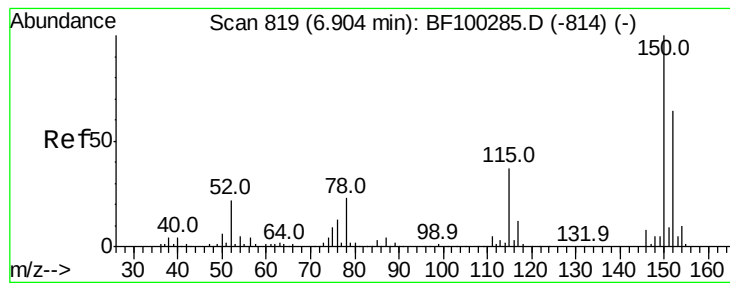
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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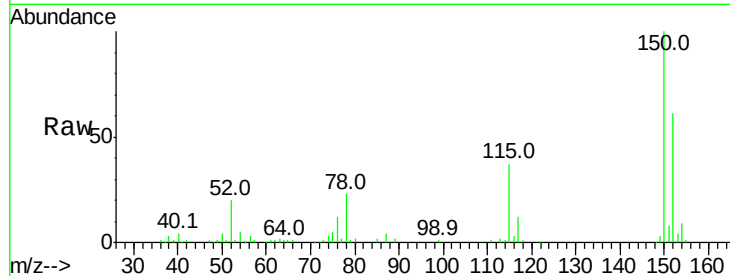


#1

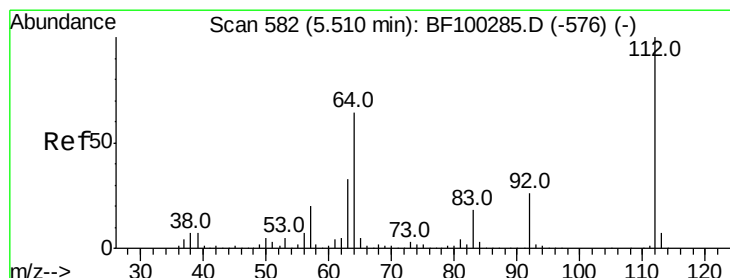
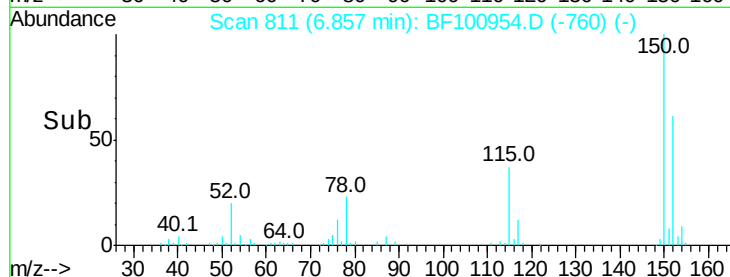
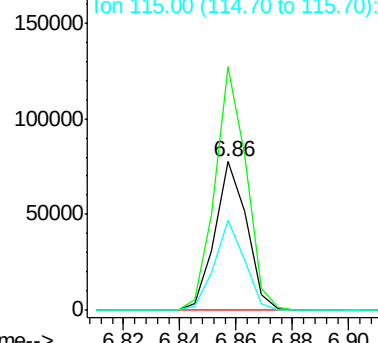
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF100954.D
Acq: 29 Nov 2017 1:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 60810
Ion Ratio Lower Upper
152 100
150 164.2 124.6 186.8
115 60.5 50.1 75.1



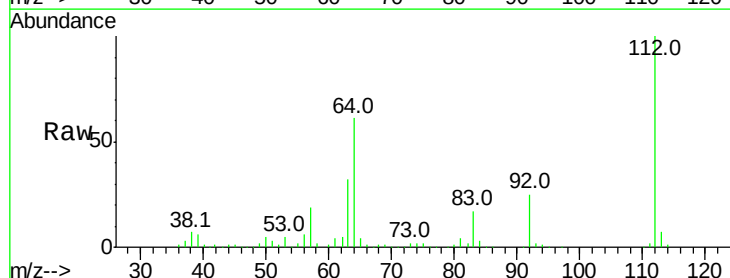
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



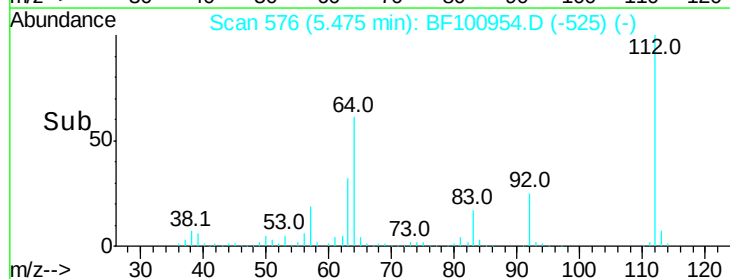
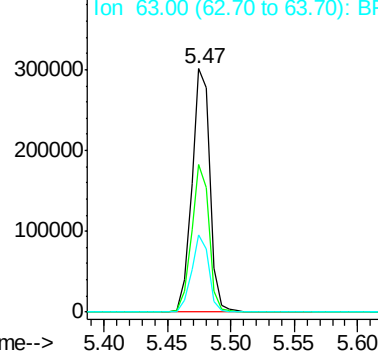
#5

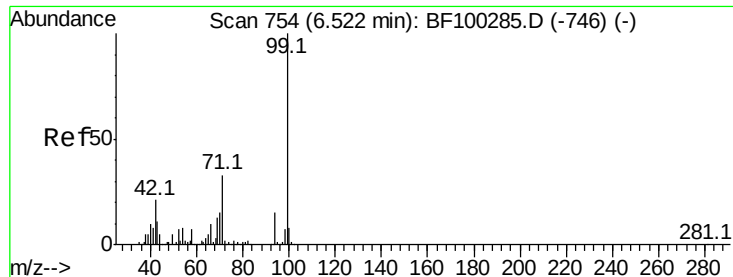
2-Fluorophenol
Concen: 79.538 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.00 min
Lab File: BF100954.D
Acq: 29 Nov 2017 1:16

Tgt Ion:112 Resp: 301729
Ion Ratio Lower Upper
112 100
64 60.5 47.9 71.9
63 31.9 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: 76.896 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF100954.D

Acq: 29 Nov 2017 1:16

Instrument :

BNA_F

ClientSampled :

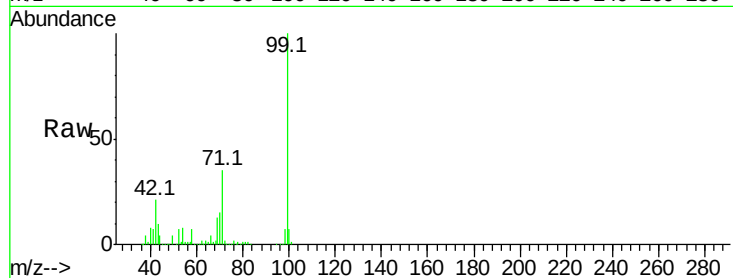
Tot Ion: 99 Resp: 359715

Ion Ratio Lower Upper

99 100

42 20.7 14.5 21.7

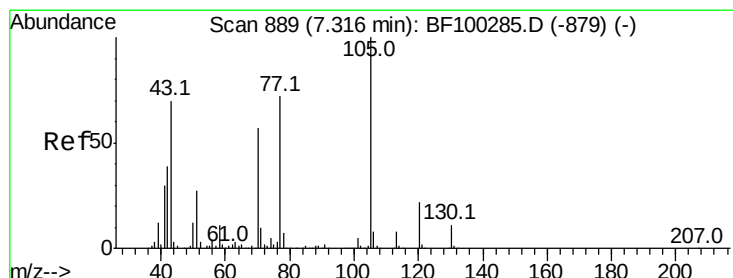
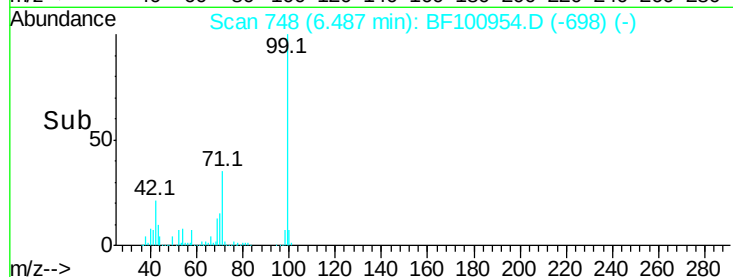
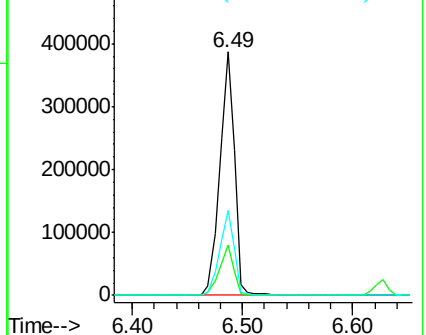
71 34.9 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 8.131 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF100954.D

Acq: 29 Nov 2017 1:16

Tgt Ion: 70 Resp: 26377

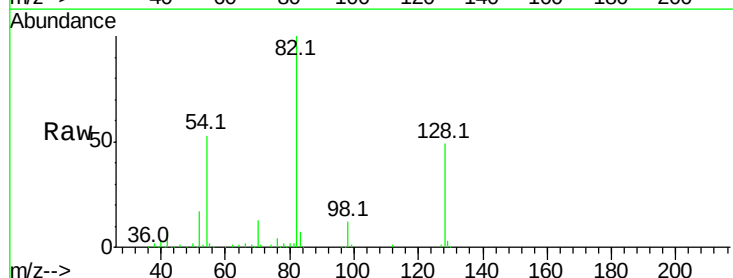
Ion Ratio Lower Upper

70 100

42 53.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

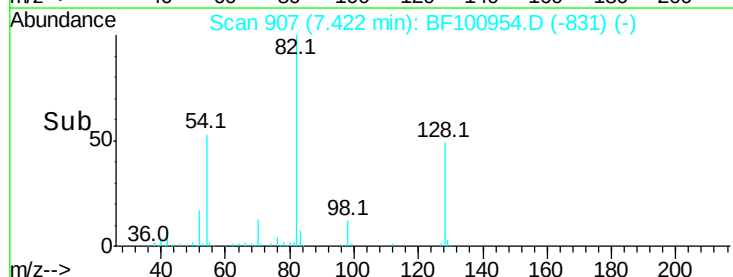
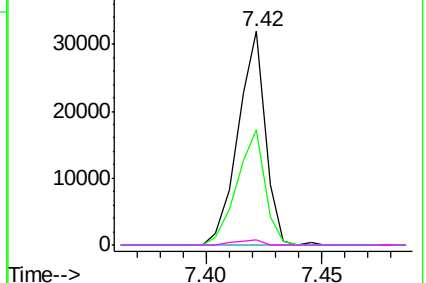


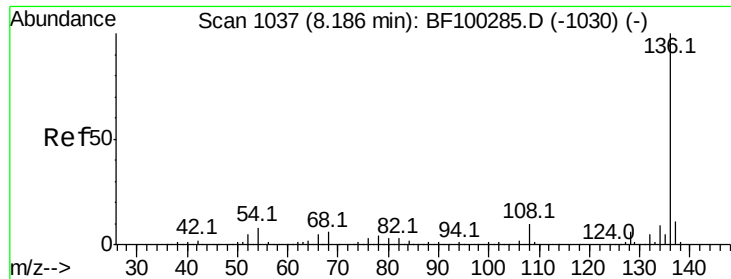
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

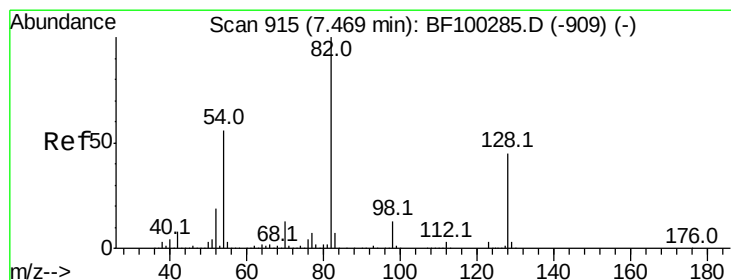
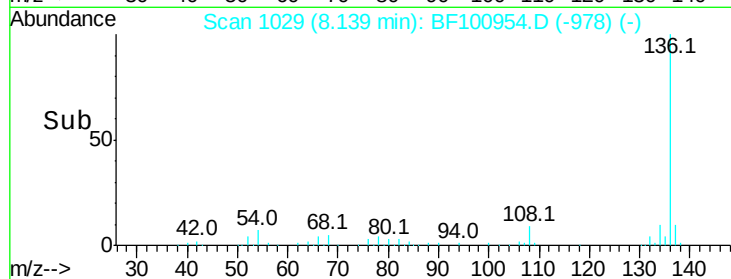
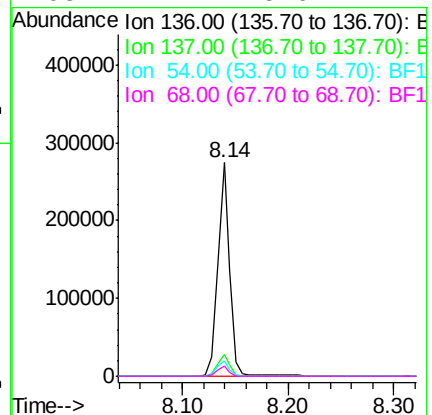
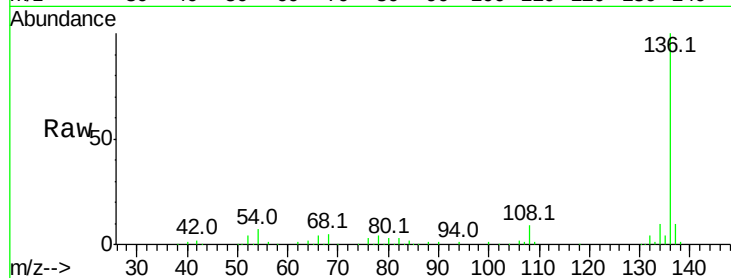




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF100954.D
Acq: 29 Nov 2017 1:16

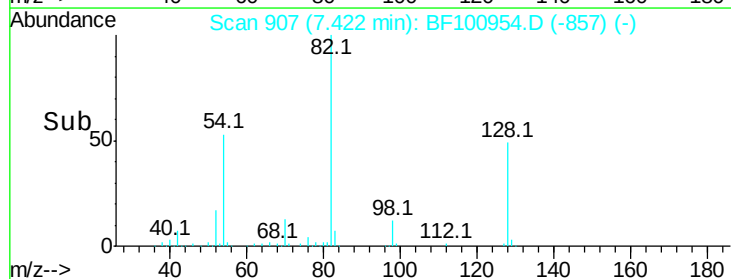
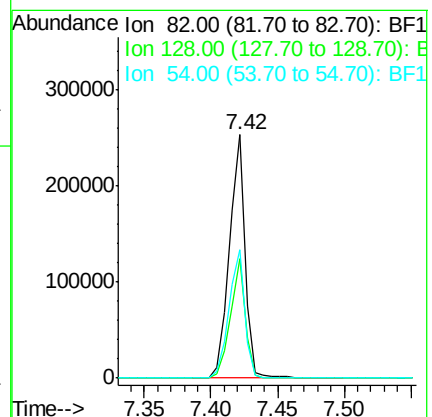
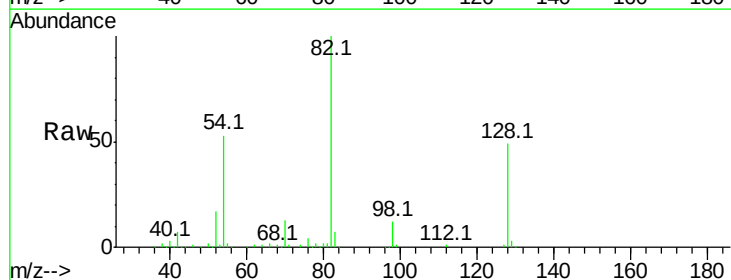
Instrument :
BNA_F
ClientSampleId :

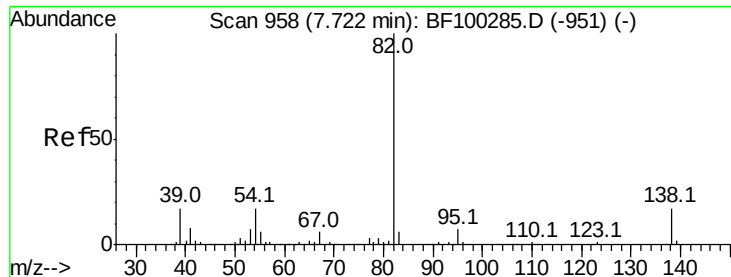
Tot Ion:	136	Resp:	220432
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.9	13.3
54	7.4	6.6	9.8
68	4.7	5.0	7.4#



#23
Nitrobenzene-d5
Concen: 63.390 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF100954.D
Acq: 29 Nov 2017 1:16

Tgt Ion:	82	Resp:	211352
Ion	Ratio	Lower	Upper
82	100		
128	48.9	36.1	54.1
54	52.7	41.4	62.2





#25

Isophorone

Concen: 30.165 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF100954.D

Acq: 29 Nov 2017 1:16

Instrument :

BNA_F

ClientSampleId :

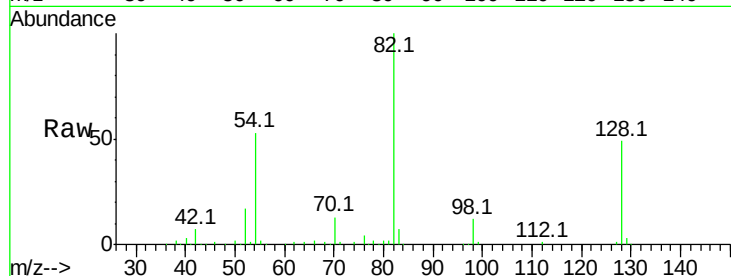
Tot Ion: 82 Resp: 211348

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

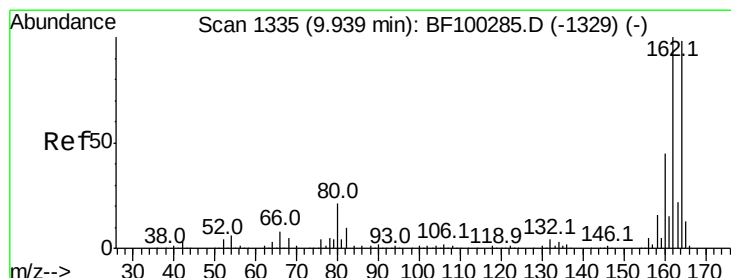
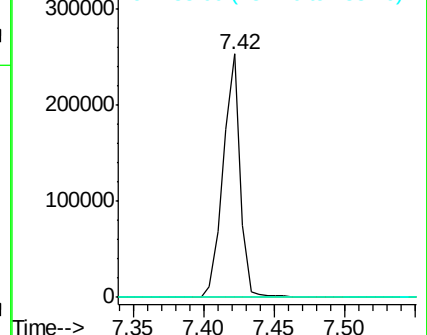
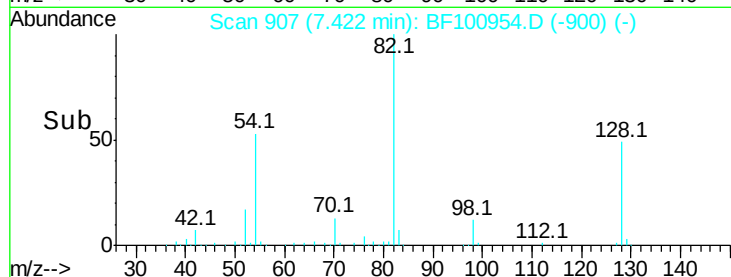
138 0.0 14.9 22.3#



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: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF100954.D

Acq: 29 Nov 2017 1:16

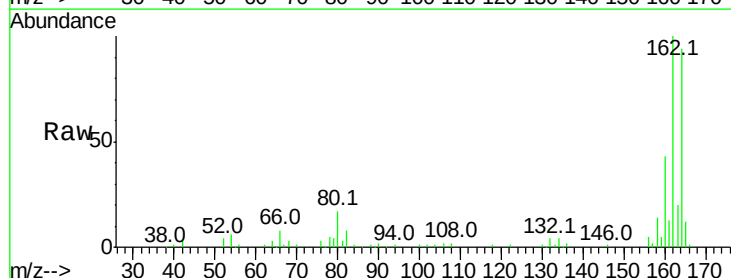
Tgt Ion: 164 Resp: 85297

Ion Ratio Lower Upper

164 100

162 106.7 86.1 129.1

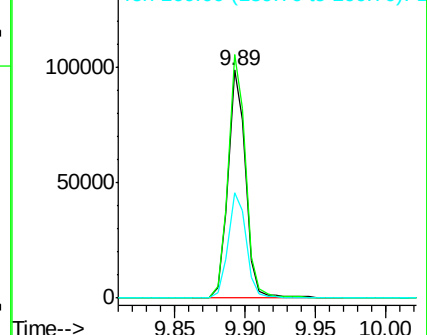
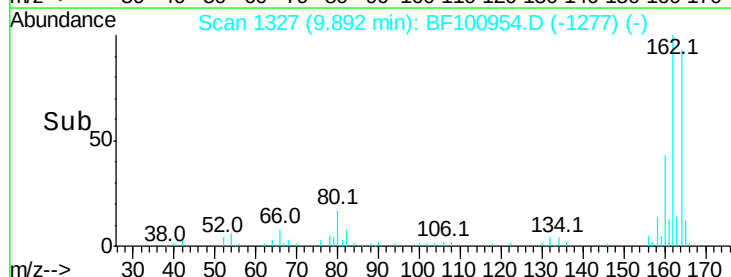
160 46.2 38.3 57.5

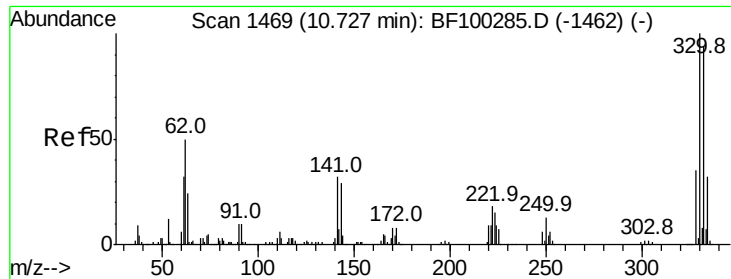


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

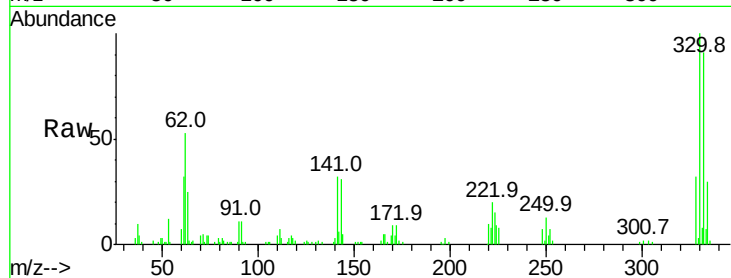




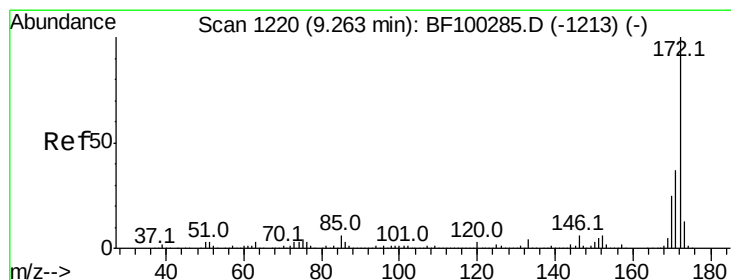
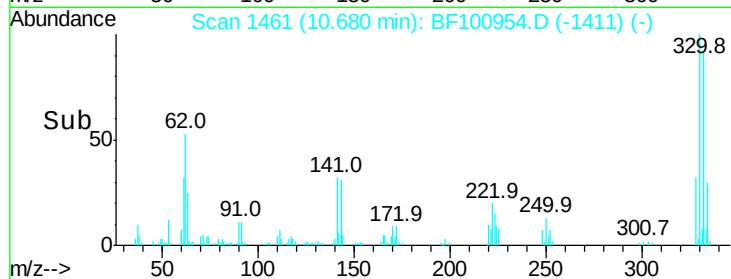
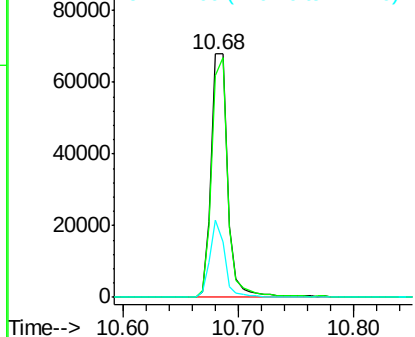
#41
 2,4,6-Tribromophenol
 Concen: 78.448 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF100954.D
 Acq: 29 Nov 2017 1:16

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 68185
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.0 115.6
 141 28.1 29.9 44.9#

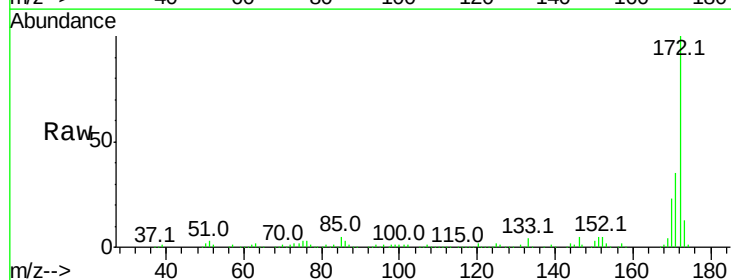


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

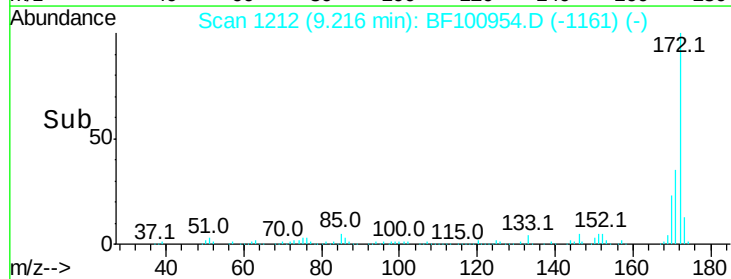
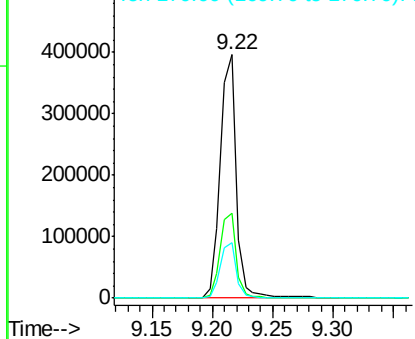


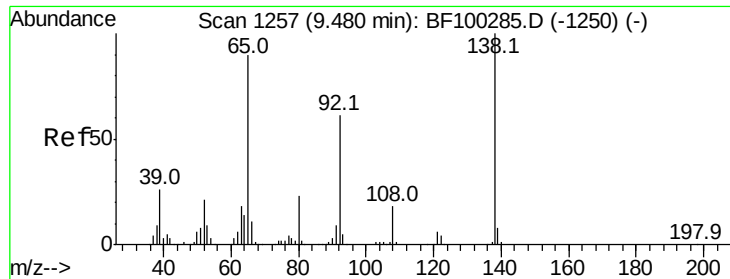
#44
 2-Fluorobiphenyl
 Concen: 64.761 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: BF100954.D
 Acq: 29 Nov 2017 1:16

Tgt Ion:172 Resp: 362766
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.7 44.5
 170 23.0 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

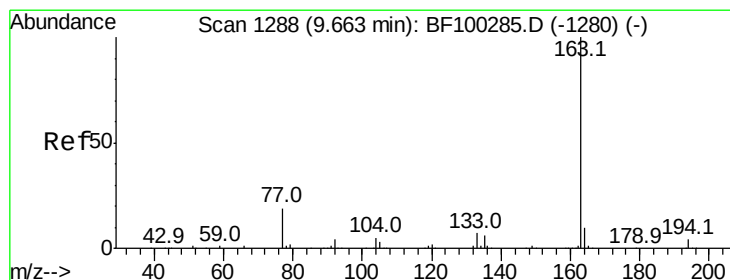
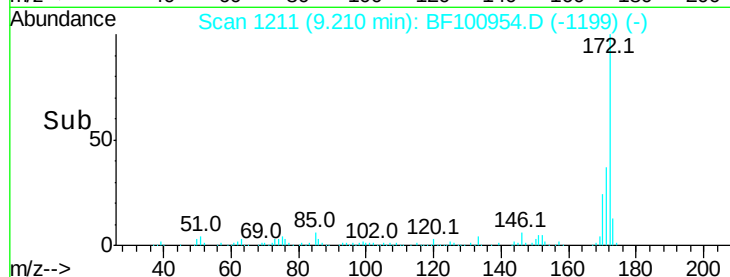
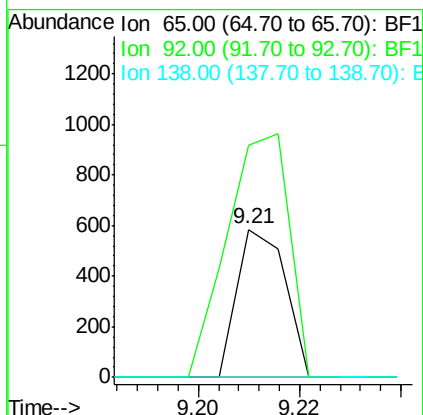
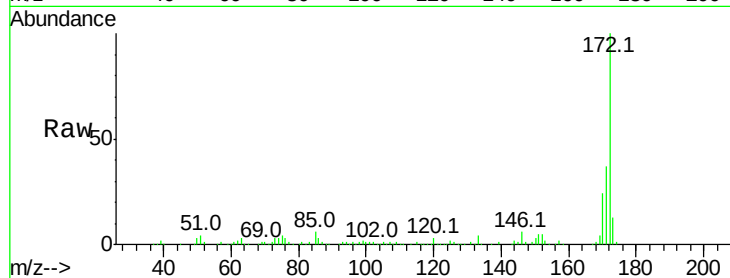




#47
2-Nitroaniline
Concen: 3.013 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.23 min
Lab File: BF100954.D
Acq: 29 Nov 2017 1:16

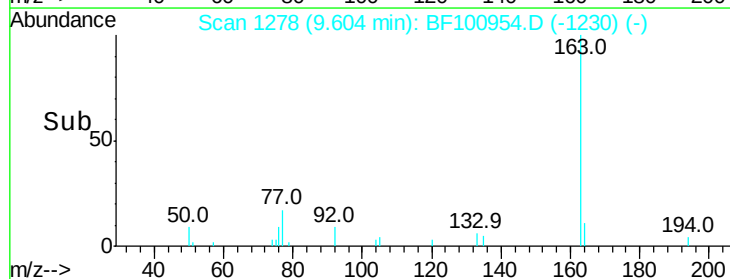
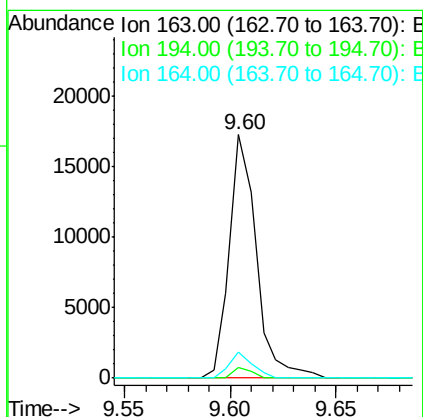
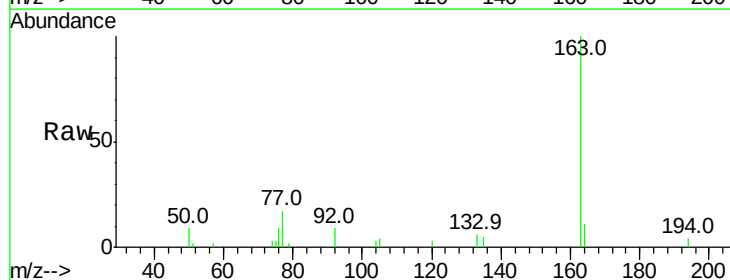
Instrument :
BNA_F
ClientSampleId :

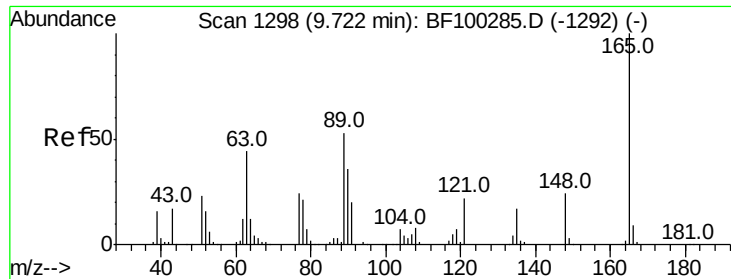
Tot Ion: 65 Resp: 385
Ion Ratio Lower Upper
65 100
92 156.6 55.8 83.6#
138 0.0 91.2 136.8#



#49
Dimethylphthalate
Concen: 2.339 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF100954.D
Acq: 29 Nov 2017 1:16

Tgt Ion: 163 Resp: 15233
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1#
164 10.7 8.2 12.2





#50

2,6-Dinitrotoluene

Concen: 8.132 ng

RT: 9.89 min Scan# 1327

Delta R.T. 0.21 min

Lab File: BF100954.D

Acq: 29 Nov 2017 1:16

Instrument :

BNA_F

ClientSampleId :

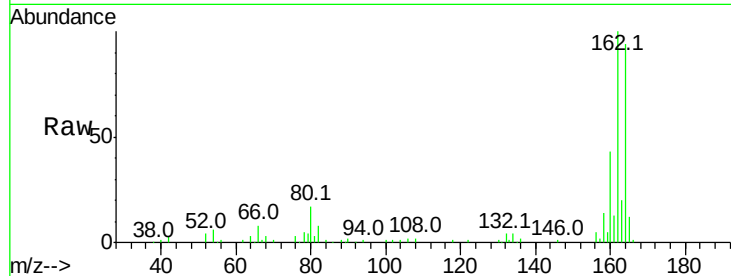
Tot Ion:165 Resp: 10483

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

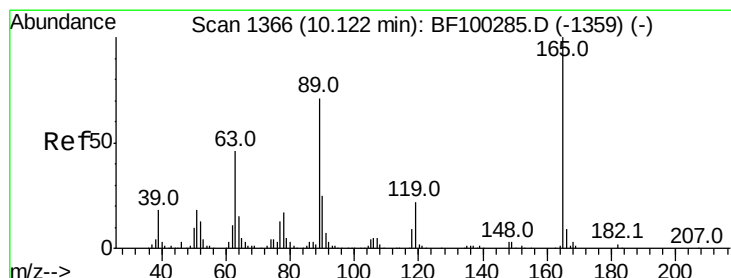
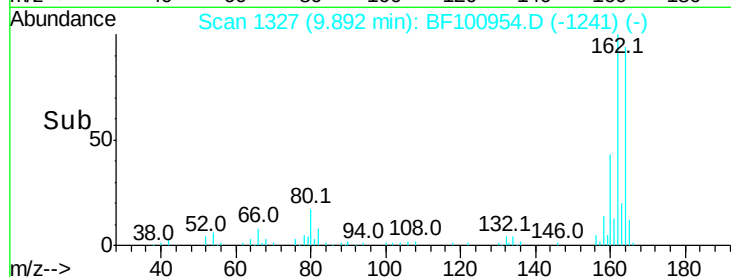
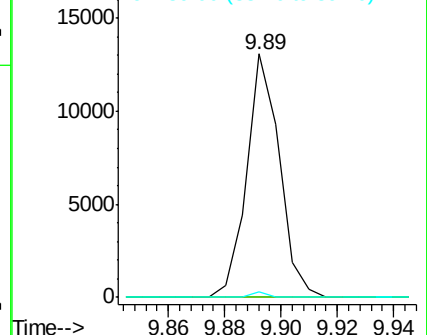
89 2.4 44.0 66.0#



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: 6.446 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.19 min

Lab File: BF100954.D

Acq: 29 Nov 2017 1:16

Tgt Ion:165 Resp: 10483

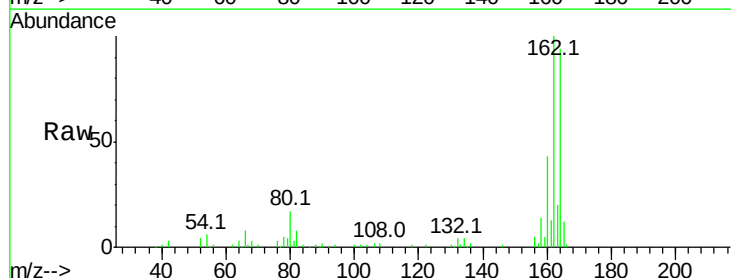
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 2.4 57.8 86.6#

182 0.0 1.6 2.4#

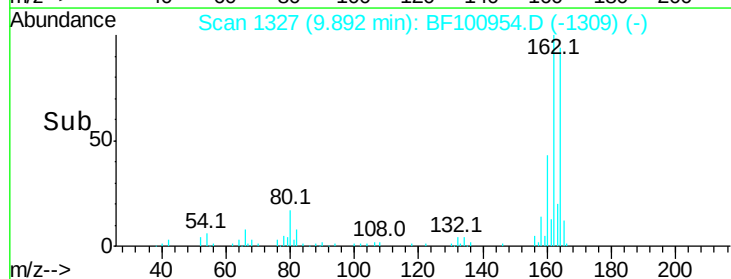
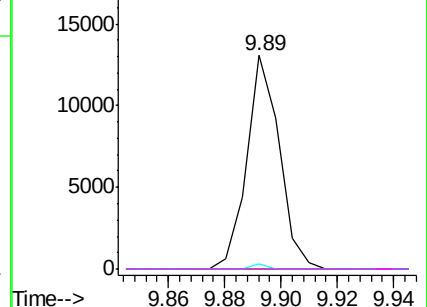


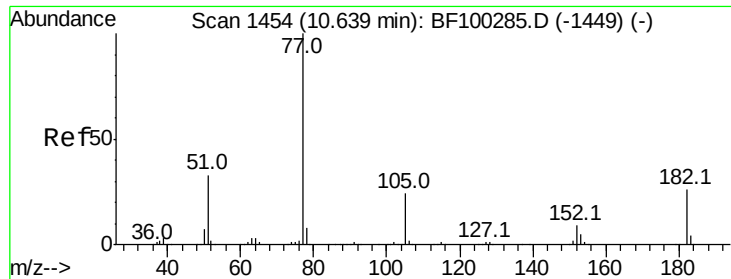
Abundance Ion 165.00 (164.70 to 165.70): E

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





#62

Azobenzene

Concen: 5.005 ng

RT: 10.60 min Scan# 1448

Delta R.T. 0.01 min

Lab File: BF100954.D

Acq: 29 Nov 2017 1:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 30723

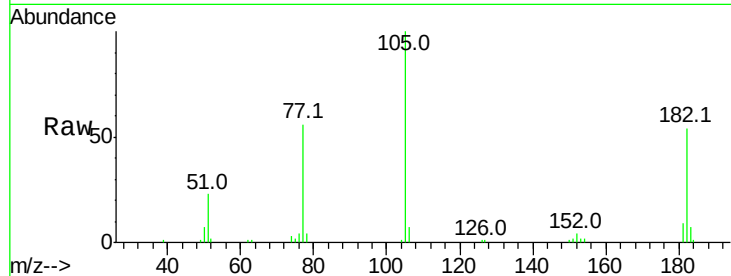
Ion Ratio Lower Upper

77 100

182 97.6 1.7 41.7#

105 179.9 3.0 43.0#

51 42.1 9.9 49.9

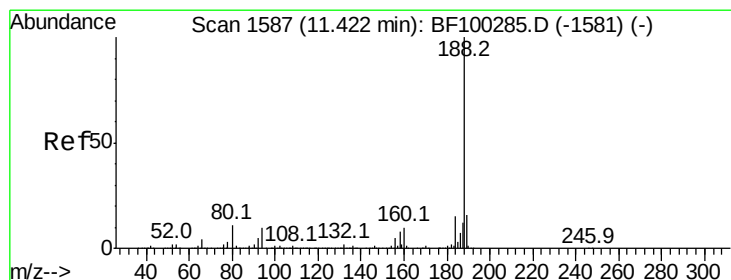
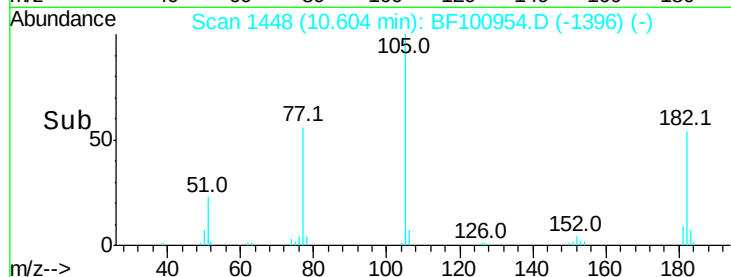
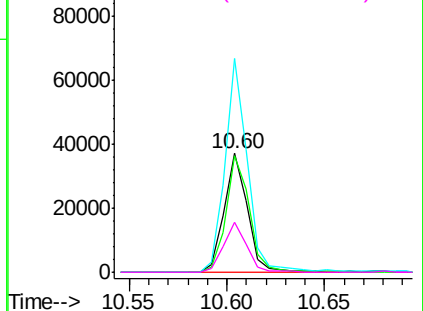


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BF100954.D

Acq: 29 Nov 2017 1:16

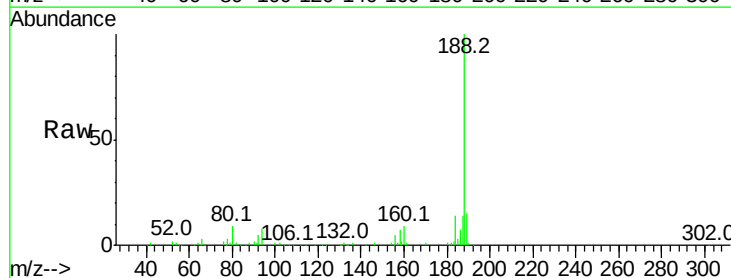
Tgt Ion: 188 Resp: 137750

Ion Ratio Lower Upper

188 100

94 8.2 8.5 12.7#

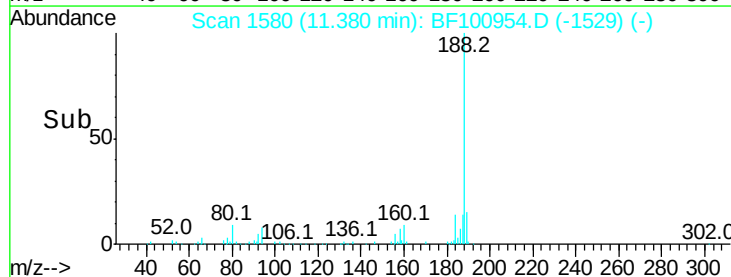
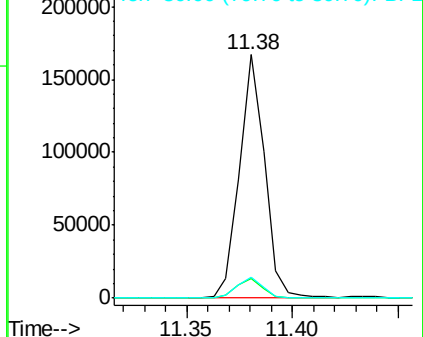
80 8.7 9.2 13.8#

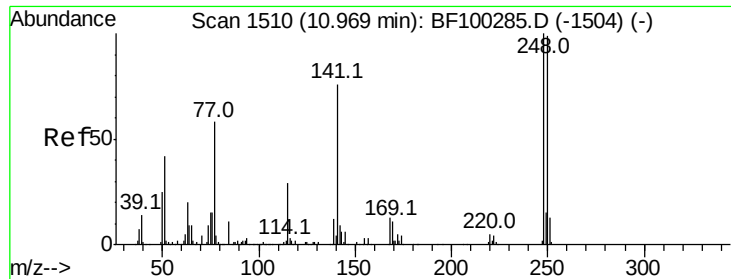


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

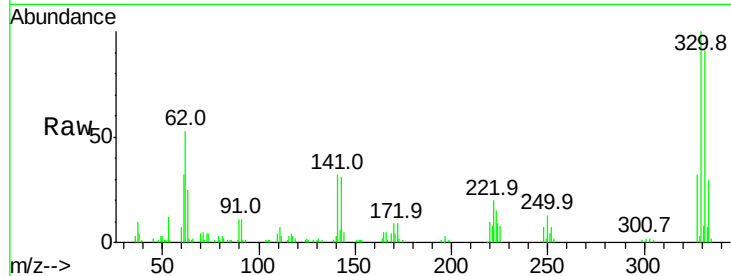




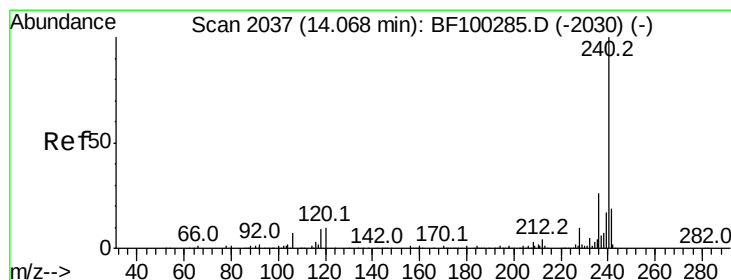
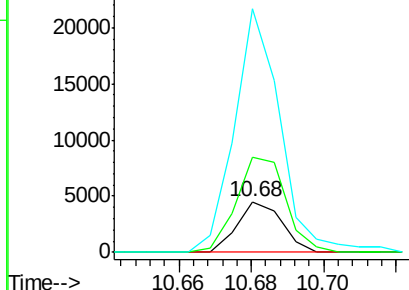
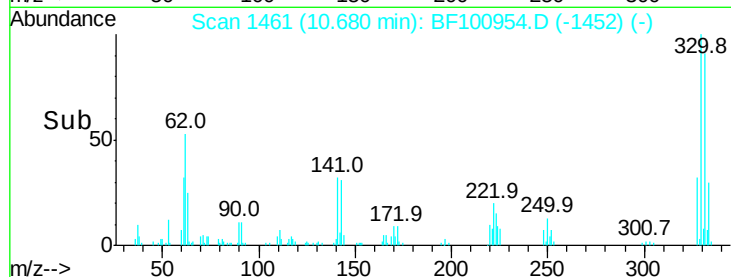
#66
4-Bromophenyl-phenylether
Concen: 2.600 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.25 min
Lab File: BF100954.D
Acq: 29 Nov 2017 1:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 3839
Ion Ratio Lower Upper
248 100
250 189.5 76.9 115.3#
141 482.9 74.4 111.6#

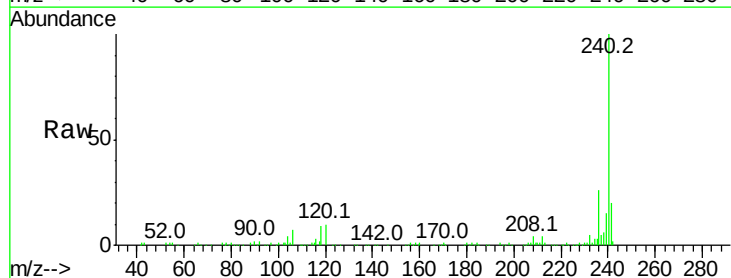


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

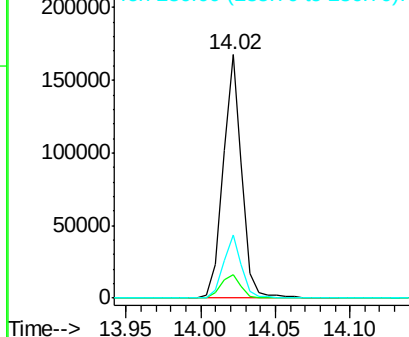
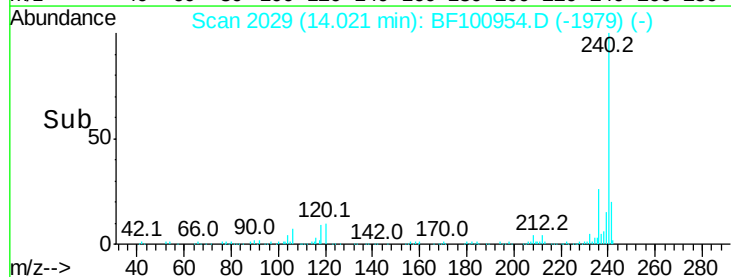


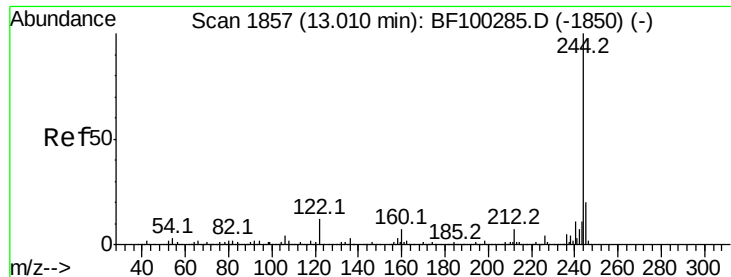
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF100954.D
Acq: 29 Nov 2017 1:16

Tgt Ion:240 Resp: 147436
Ion Ratio Lower Upper
240 100
120 9.9 9.5 14.3
236 25.9 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: 45.071 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF100954.D

Acq: 29 Nov 2017 1:16

Instrument :

BNA_F

ClientSampleId :

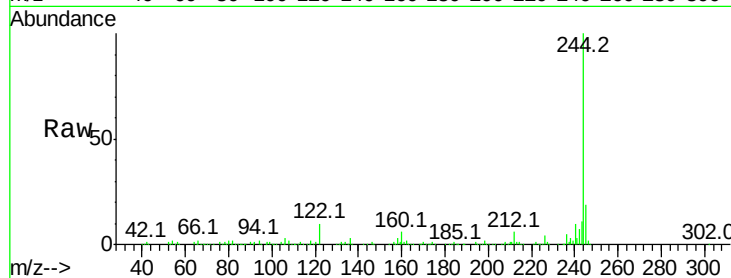
Tot Ion:244 Resp: 289205

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

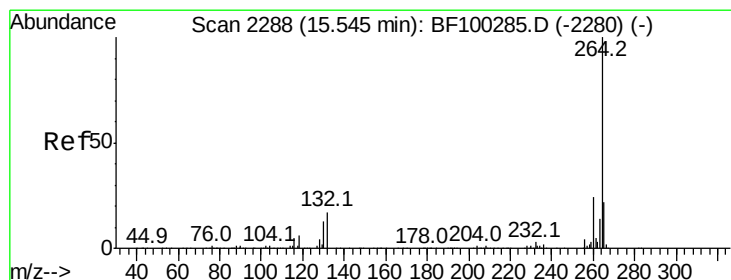
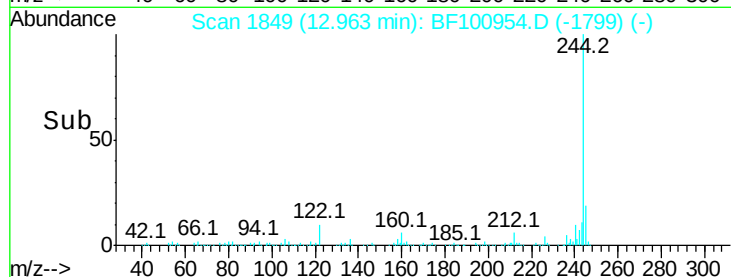
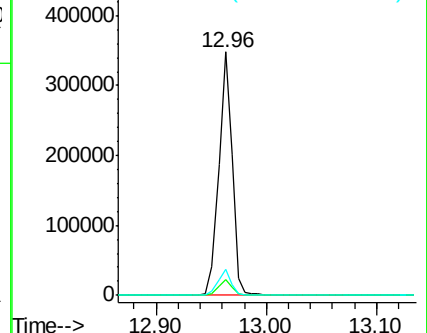
122 10.5 11.0 16.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.00 min

Lab File: BF100954.D

Acq: 29 Nov 2017 1:16

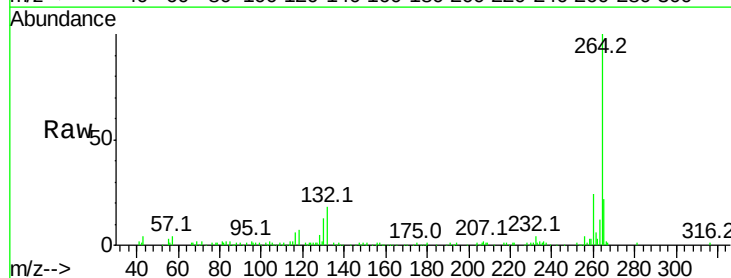
Tgt Ion:264 Resp: 119424

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

265 21.9 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

