

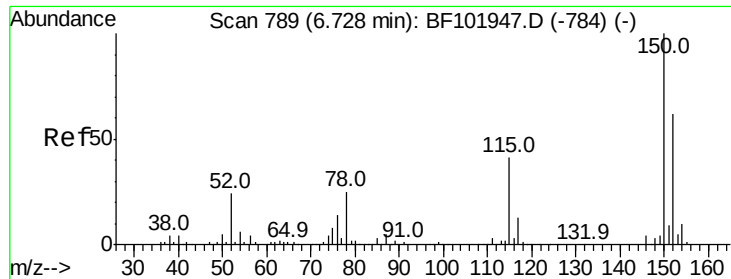
Data Path : U:\HPCHEM1\BNA F\DATA\BF011618\
 Data File : BF102115.D
 Acq On : 16 Jan 2018 17:55
 Operator : SJ/JU
 Sample : J1115-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 17 01:04:24 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	153156	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	629661	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	287373	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	514930	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	433559	20.00	ng	-0.02
86) Perylene-d12	15.27	264	314307	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1249912	115.24	ng	0.00
7) Phenol-d6	6.36	99	1483035	114.60	ng	0.00
23) Nitrobenzene-d5	7.29	82	956513	89.27	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	357095	142.39	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1478148	80.36	ng	-0.01
78) Terphenyl-d14	12.82	244	1365723	65.40	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.49	77	26695	2.971	ng	84
10) Phenol	6.37	94	61370	4.196	ng	90
19) n-Nitroso-di-n-propylamine	7.29	70	129179	15.233	ng	# 79
25) Isophorone	7.29	82	956498	45.177	ng	# 64
49) Dimethylphthalate	9.47	163	495092	21.476	ng	99
56) 2,4-Dinitrotoluene	9.75	165	36953	6.402	ng	# 23
62) Azobenzene	10.47	77	447831	19.628	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.55	198	812	5.918	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	22826	4.198	ng	# 1

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

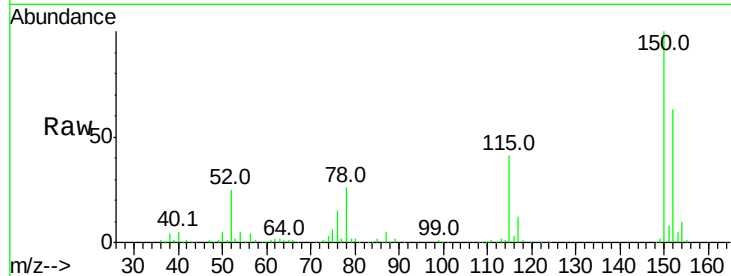


#1

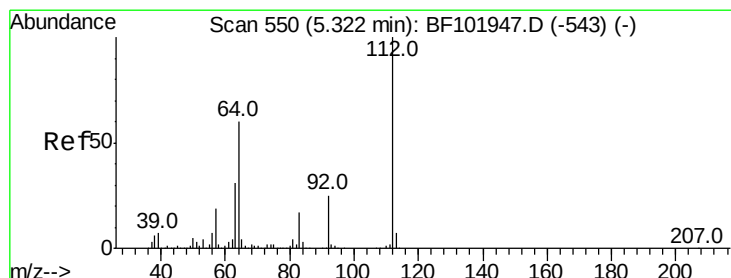
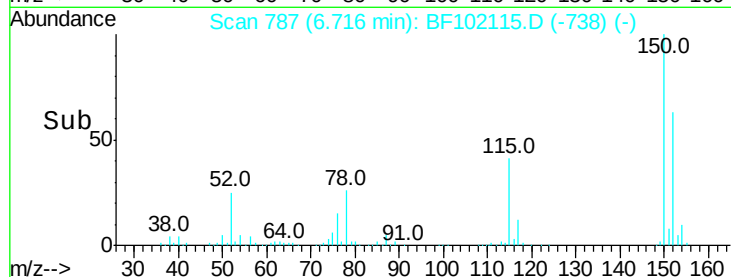
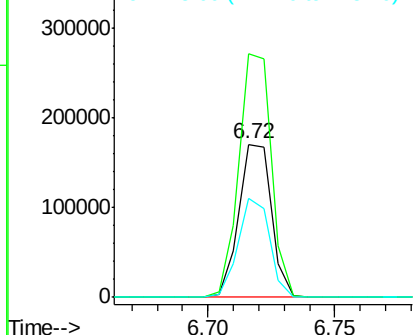
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF102115.D
Acq: 16 Jan 2018 17:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 153156
Ion Ratio Lower Upper
152 100
150 159.0 124.6 186.8
115 64.7 50.1 75.1



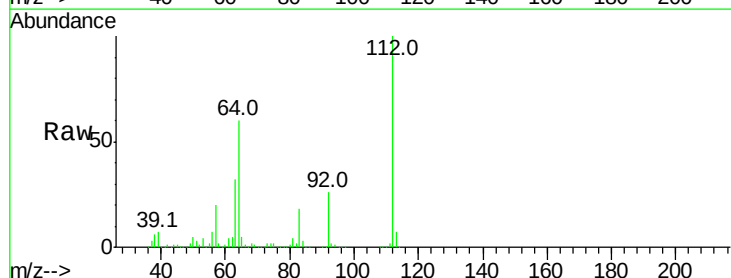
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



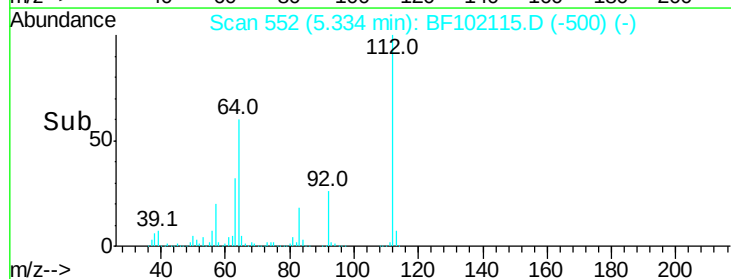
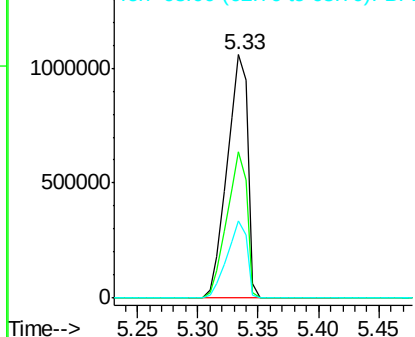
#5

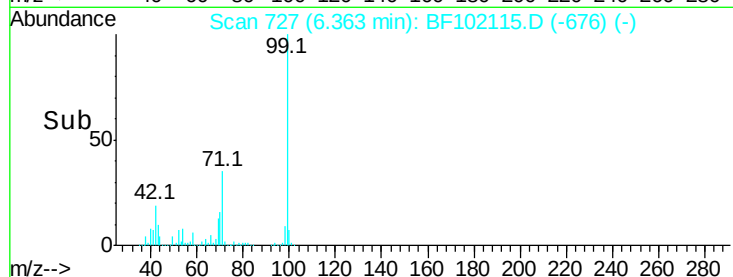
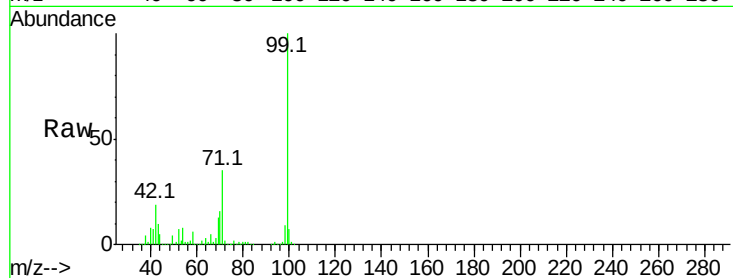
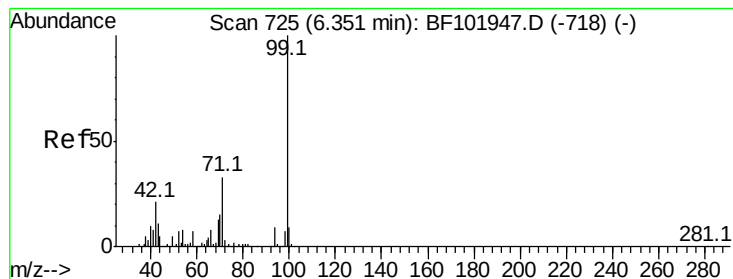
2-Fluorophenol
Concen: 115.241 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102115.D
Acq: 16 Jan 2018 17:55

Tgt Ion:112 Resp: 1249912
Ion Ratio Lower Upper
112 100
64 60.2 47.9 71.9
63 31.8 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: 114.604 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102115.D

Acq: 16 Jan 2018 17:55

Instrument :

BNA_F

ClientSampleId :

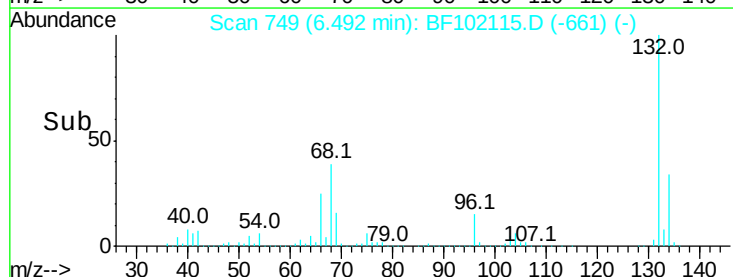
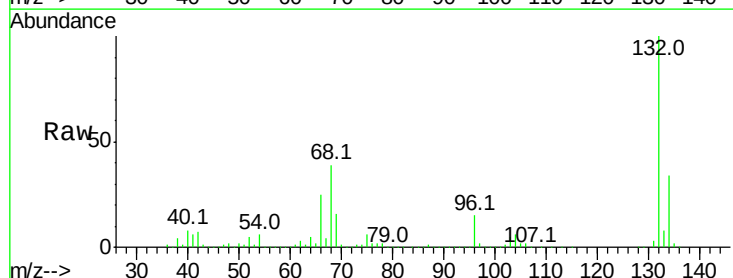
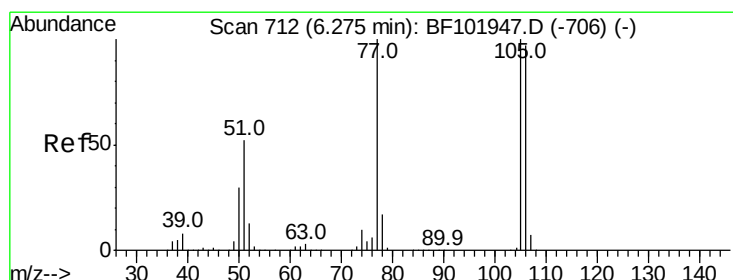
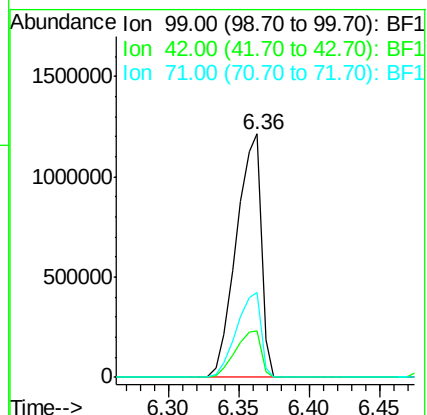
Tot Ion: 99 Resp: 1483035

Ion Ratio Lower Upper

99 100

42 19.2 14.5 21.7

71 35.0 25.4 38.0



#9

Benzaldehyde

Concen: 2.971 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF102115.D

Acq: 16 Jan 2018 17:55

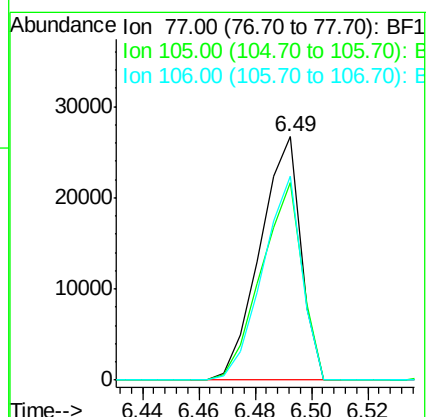
Tgt Ion: 77 Resp: 26695

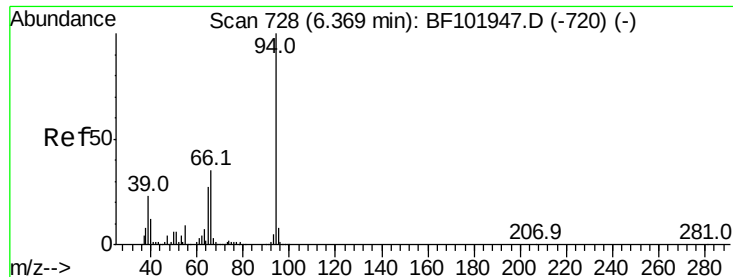
Ion Ratio Lower Upper

77 100

105 81.3 81.1 121.1

106 83.7 74.5 114.5





#10

Phenol

Concen: 4.196 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102115.D

Acq: 16 Jan 2018 17:55

Instrument :

BNA_F

ClientSampled :

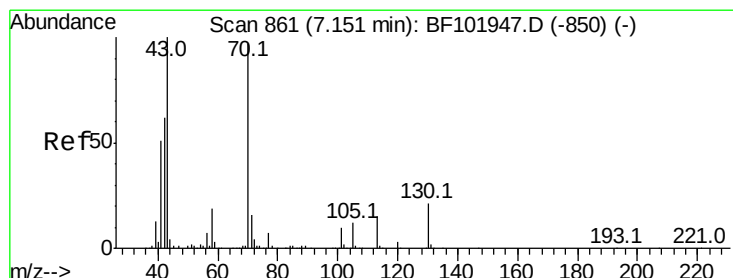
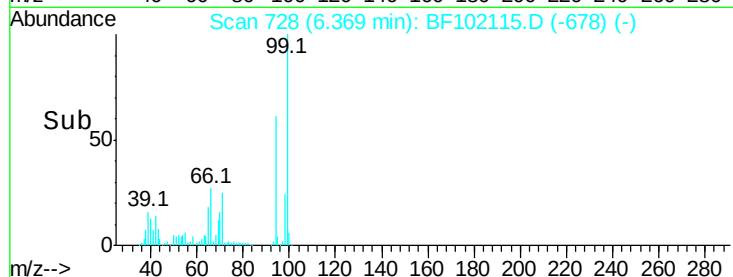
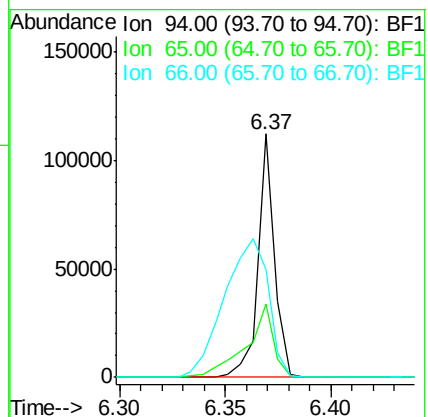
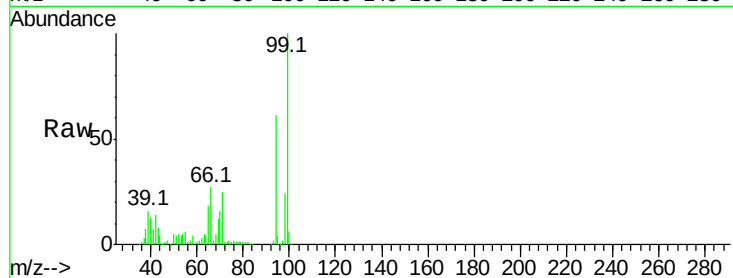
Tot Ion: 94 Resp: 61370

Ion Ratio Lower Upper

94 100

65 30.1 7.9 47.9

66 44.2 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 15.233 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF102115.D

Acq: 16 Jan 2018 17:55

Tgt Ion: 70 Resp: 129179

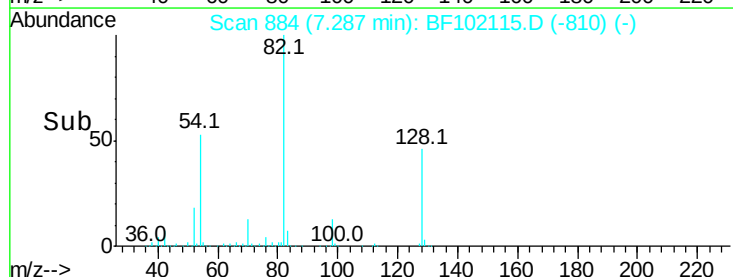
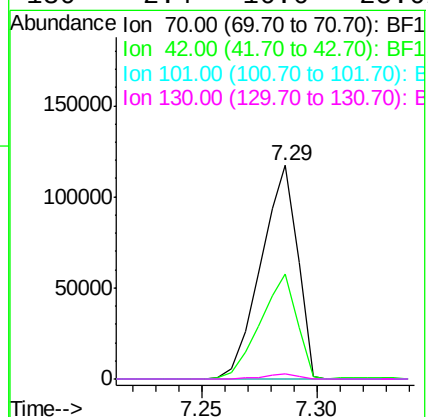
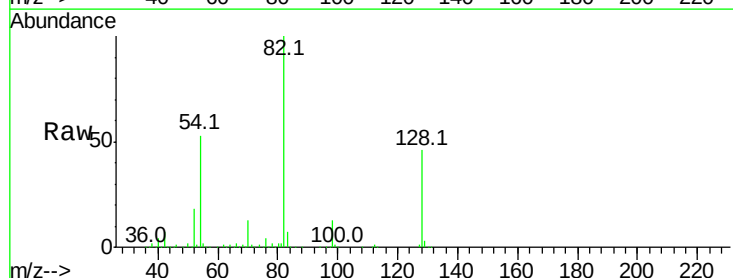
Ion Ratio Lower Upper

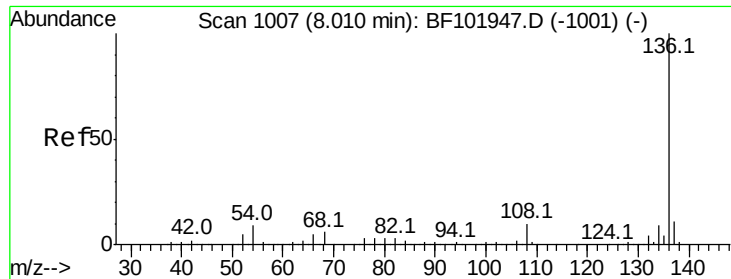
70 100

42 49.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

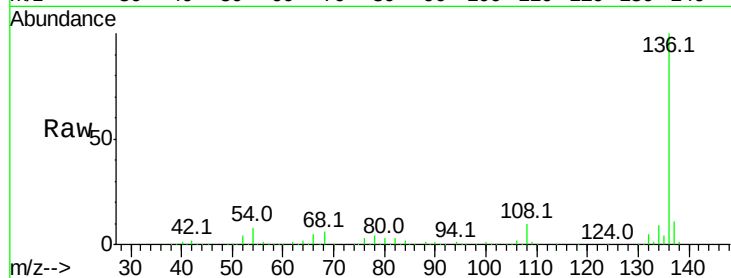




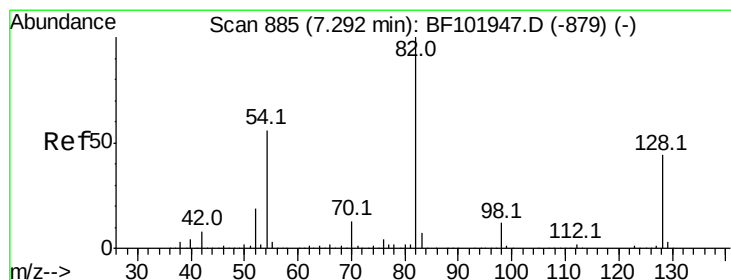
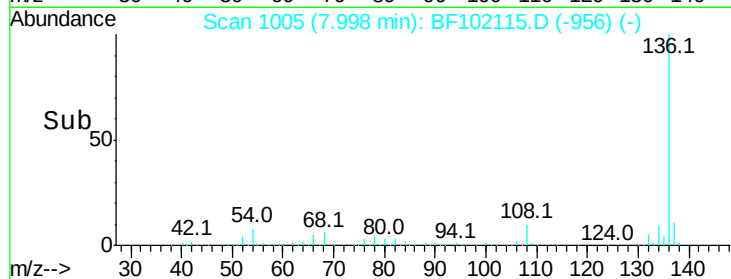
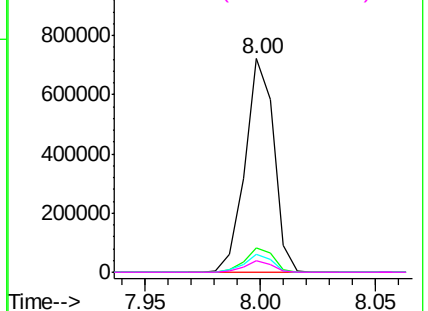
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF102115.D
Acq: 16 Jan 2018 17:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	629661
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	8.4	6.6	9.8
68	5.6	5.0	7.4

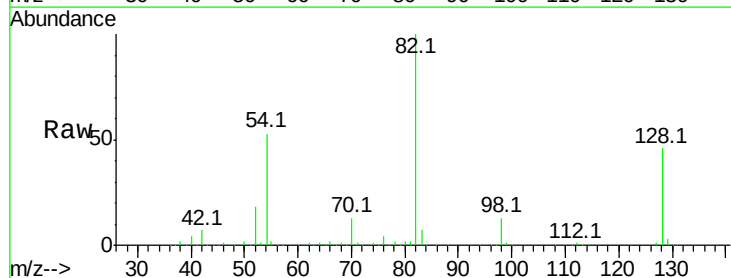


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

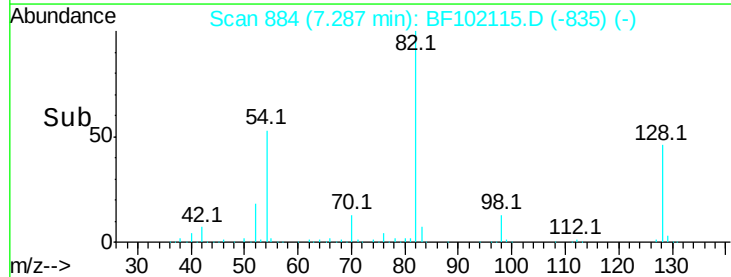
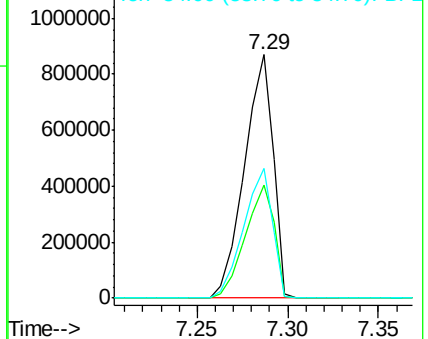


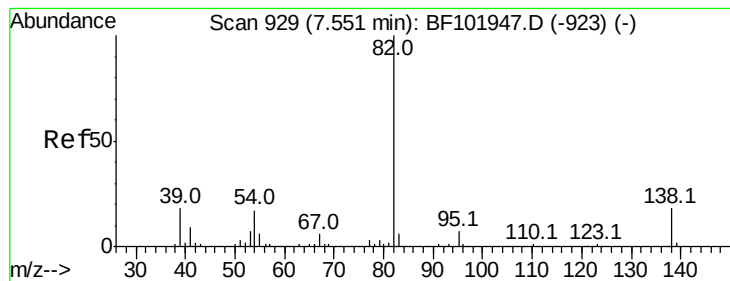
#23
Nitrobenzene-d5
Concen: 89.268 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102115.D
Acq: 16 Jan 2018 17:55

Tgt Ion:	82	Resp:	956513
Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.1	54.1
54	53.4	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: 45.177 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102115.D

Acq: 16 Jan 2018 17:55

Instrument :

BNA_F

ClientSampleId :

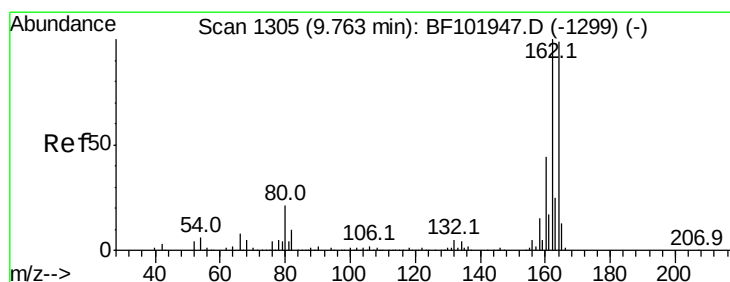
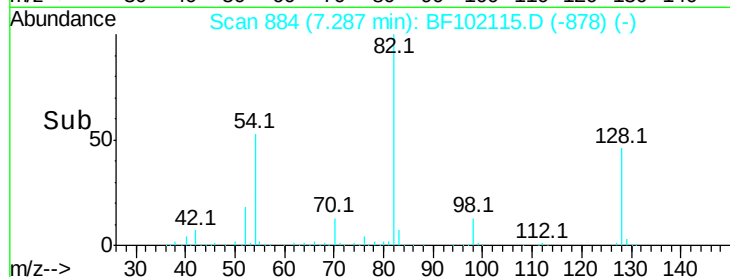
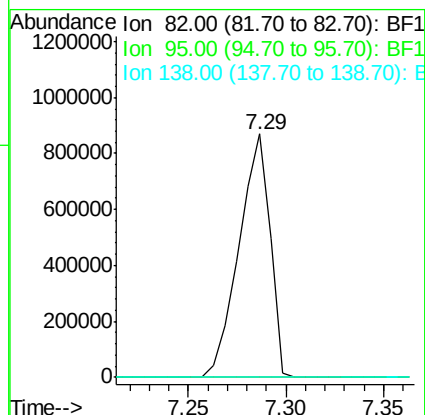
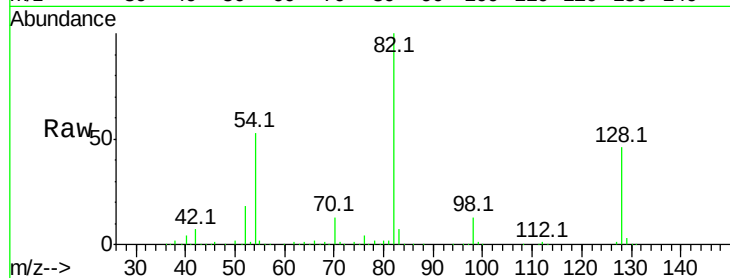
Tot Ion: 82 Resp: 956498

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF102115.D

Acq: 16 Jan 2018 17:55

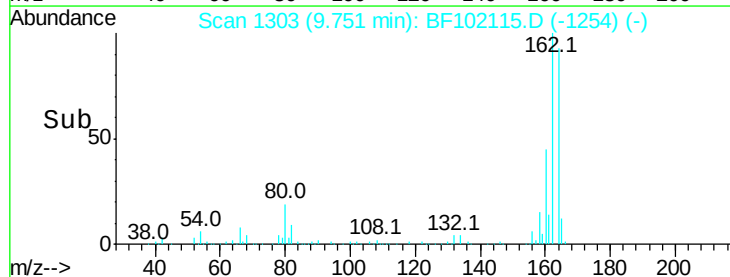
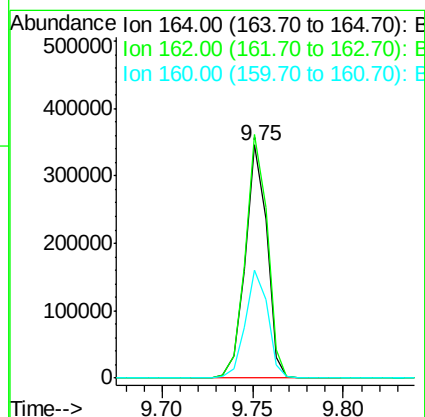
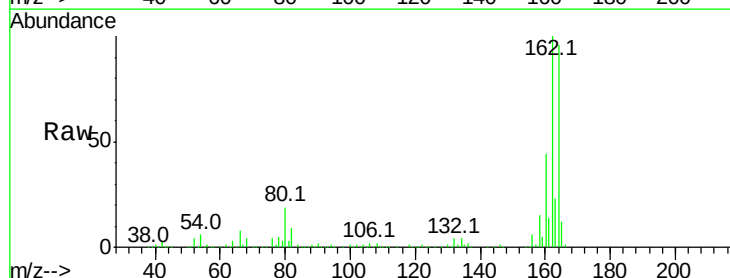
Tgt Ion:164 Resp: 287373

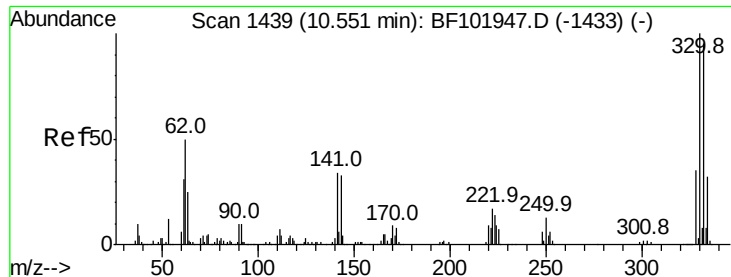
Ion Ratio Lower Upper

164 100

162 104.6 86.1 129.1

160 46.5 38.3 57.5

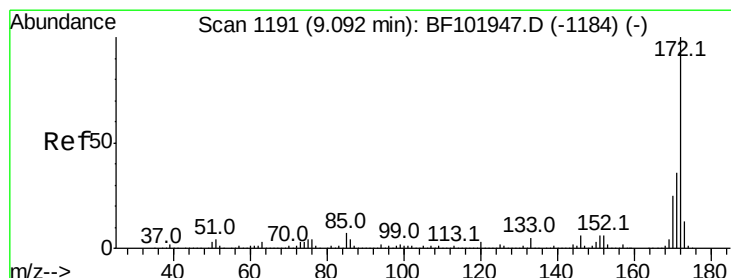
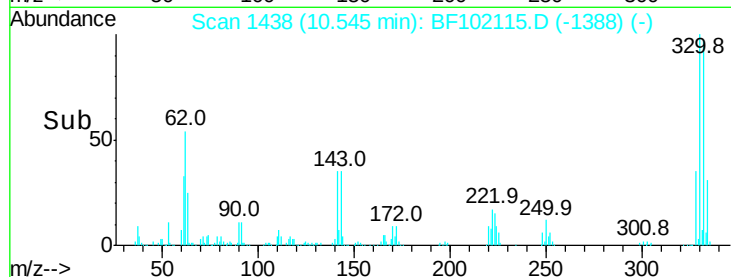
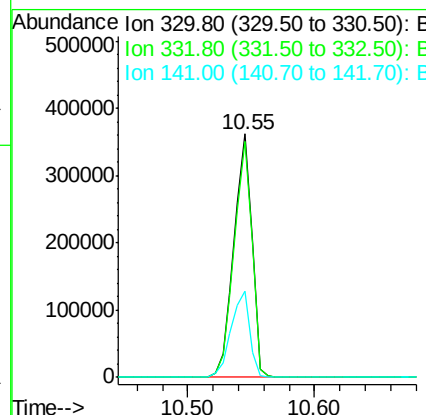
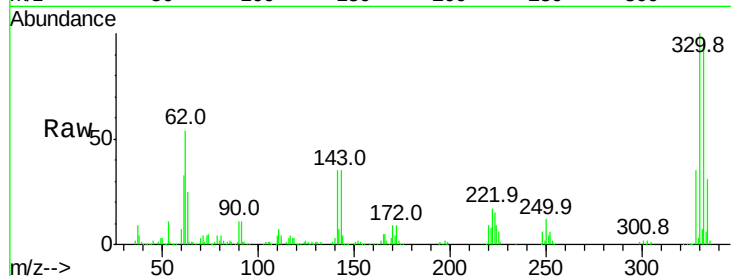




#41
 2,4,6-Tribromophenol
 Concen: 142.390 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF102115.D
 Acq: 16 Jan 2018 17:55

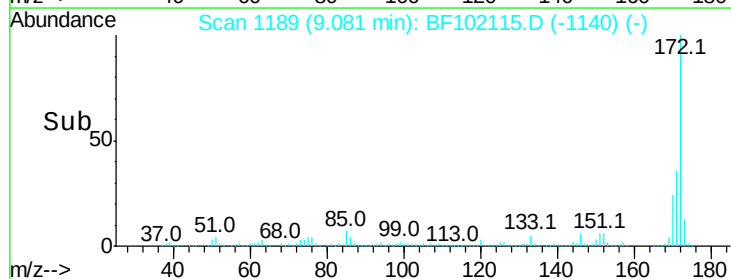
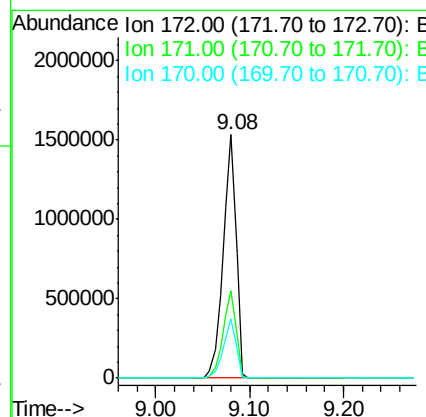
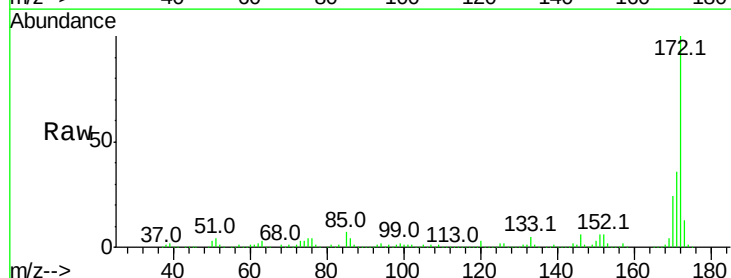
Instrument :
 BNA_F
 ClientSampled :

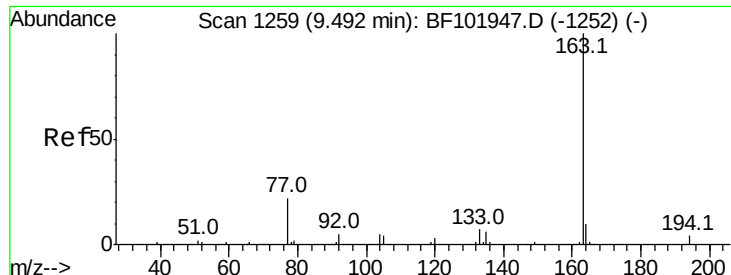
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	36.3	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 80.358 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102115.D
 Acq: 16 Jan 2018 17:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.2	19.6	29.4





#49

Dimethylphthalate

Concen: 21.476 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.02 min

Lab File: BF102115.D

Acq: 16 Jan 2018 17:55

Instrument :

BNA_F

ClientSampleId :

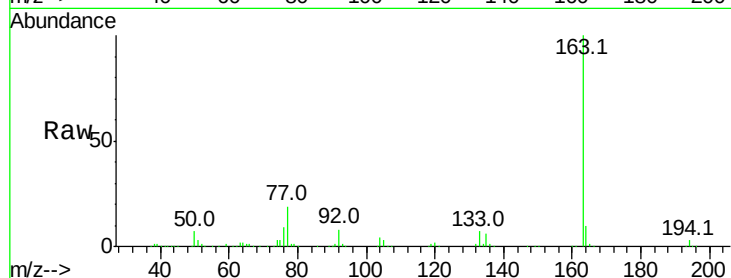
Tot Ion:163 Resp: 495092

Ion Ratio Lower Upper

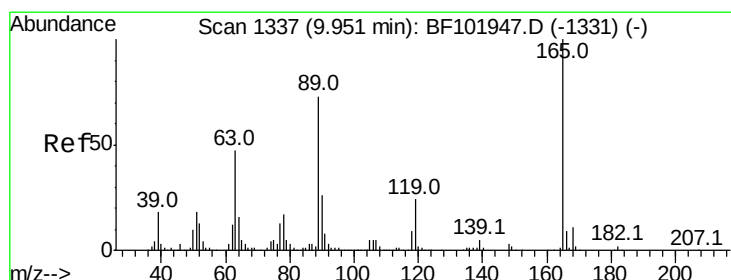
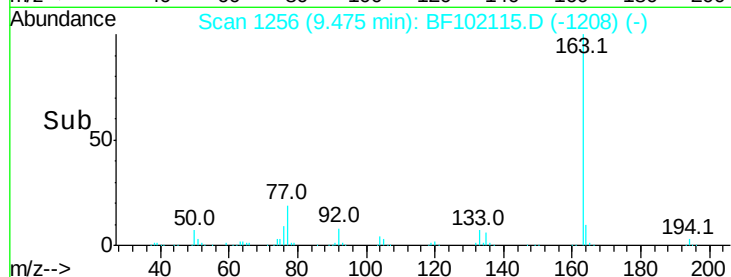
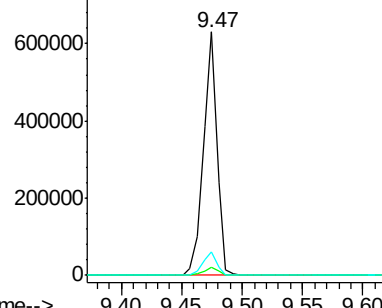
163 100

194 3.4 2.7 4.1

164 9.6 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.402 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.20 min

Lab File: BF102115.D

Acq: 16 Jan 2018 17:55

Tgt Ion:165 Resp: 36953

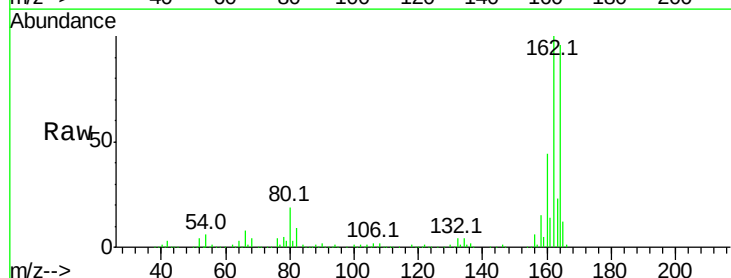
Ion Ratio Lower Upper

165 100

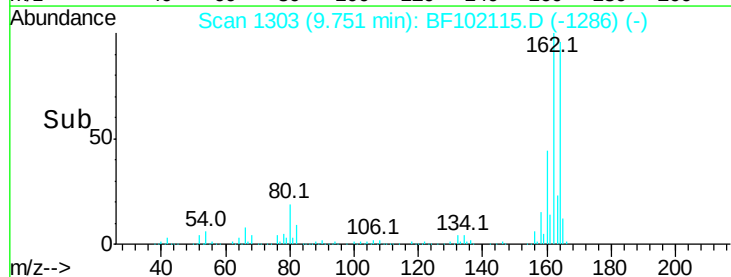
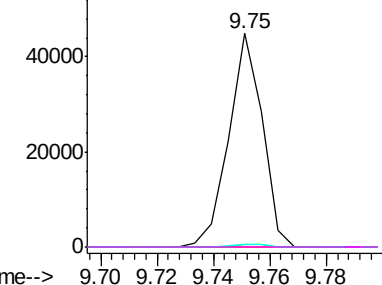
63 1.3 36.4 54.6#

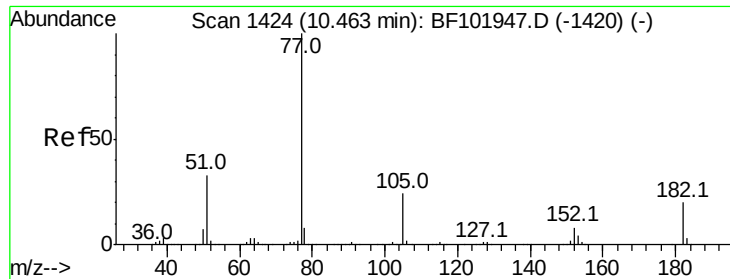
89 1.3 57.8 86.6#

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

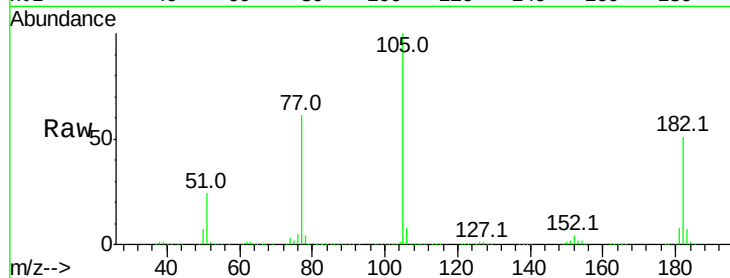




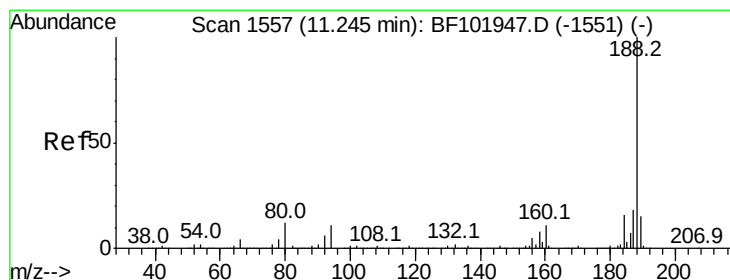
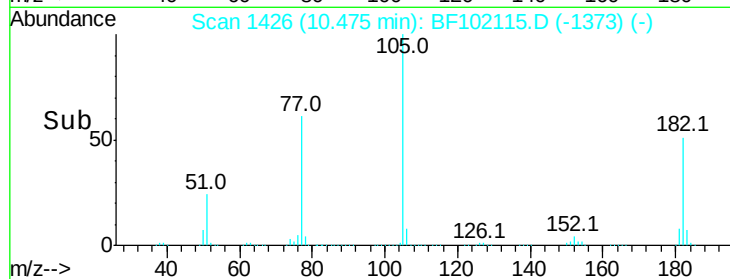
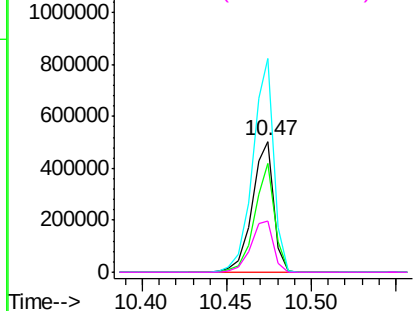
#62
Azobenzene
Concen: 19.628 ng
RT: 10.47 min Scan# 1426
Delta R.T. 0.01 min
Lab File: BF102115.D
Acq: 16 Jan 2018 17:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 77 Resp: 447831
Ion Ratio Lower Upper
77 100
182 83.1 1.7 41.7#
105 162.8 3.0 43.0#
51 39.5 9.9 49.9

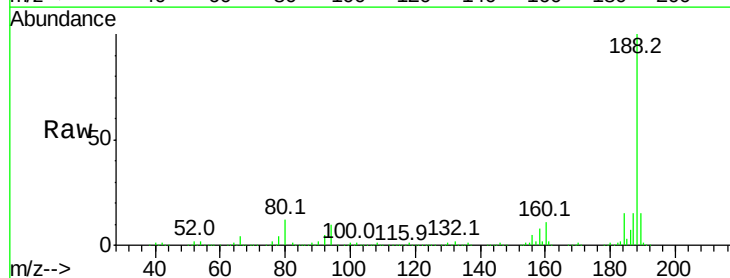


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 51.00 (50.70 to 51.70): BF1

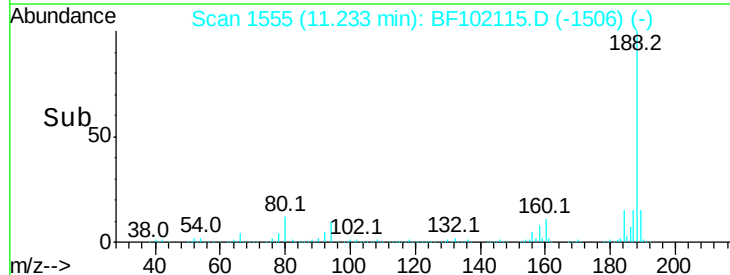
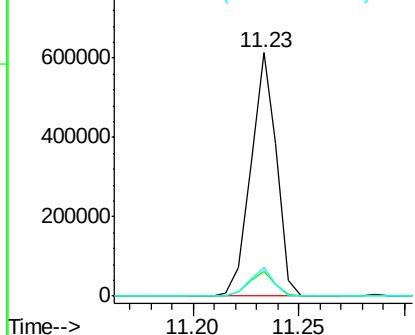


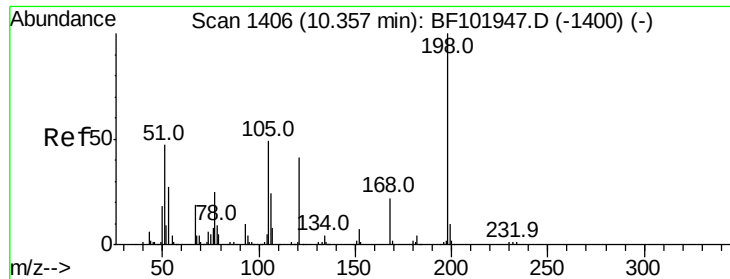
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102115.D
Acq: 16 Jan 2018 17:55

Tgt Ion: 188 Resp: 514930
Ion Ratio Lower Upper
188 100
94 10.3 8.5 12.7
80 11.5 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): BF1
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

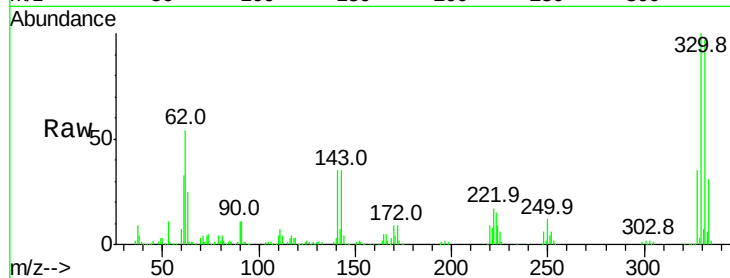




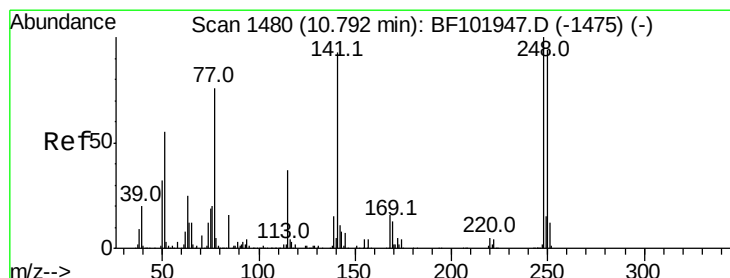
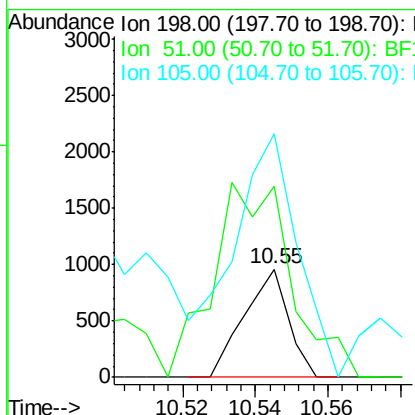
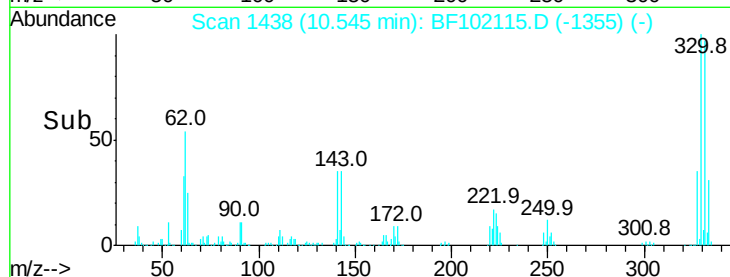
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.918 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.19 min
 Lab File: BF102115.D
 Acq: 16 Jan 2018 17:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 812
 Ion Ratio Lower Upper
 198 100
 51 177.1 37.7 77.7#
 105 225.6 36.3 76.3#

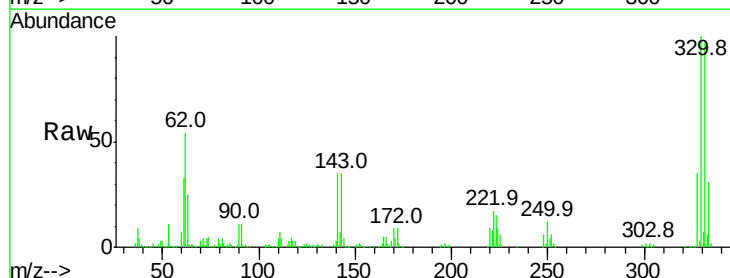


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

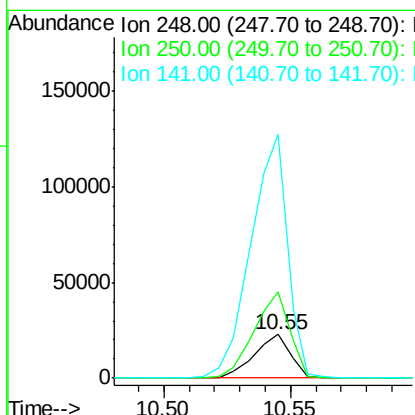
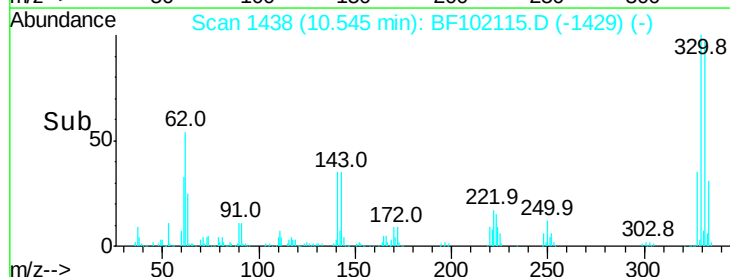


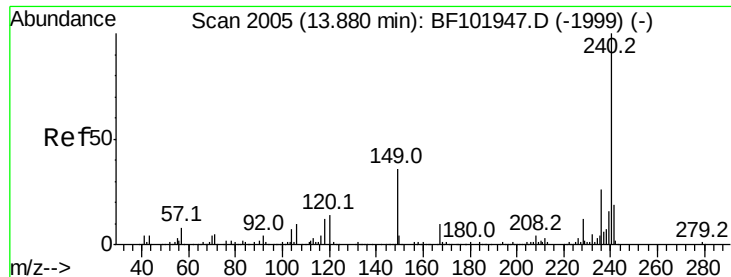
#66
 4-Bromophenyl-phenylether
 Concen: 4.198 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF102115.D
 Acq: 16 Jan 2018 17:55

Tgt Ion:248 Resp: 22826
 Ion Ratio Lower Upper
 248 100
 250 196.1 76.9 115.3#
 141 556.2 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: 13.86 min Scan# 2002

Delta R.T. -0.02 min

Lab File: BF102115.D

Acq: 16 Jan 2018 17:55

Instrument :

BNA_F

ClientSampleId :

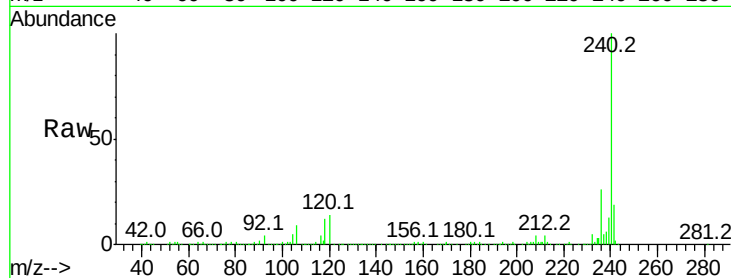
Tot Ion:240 Resp: 433559

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

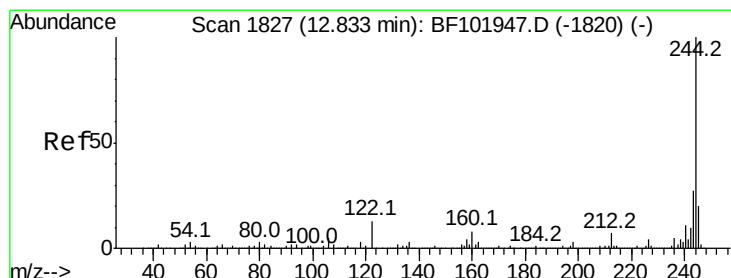
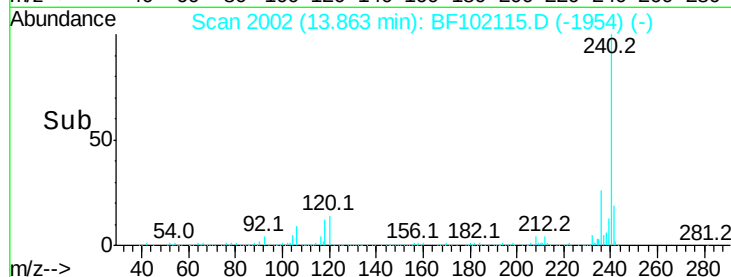
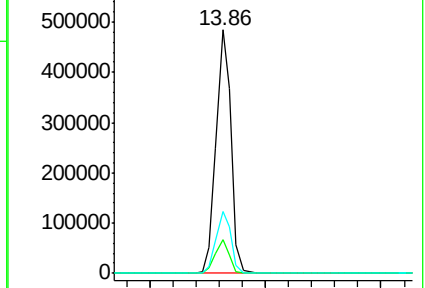
236 25.6 20.7 31.1



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: 65.403 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102115.D

Acq: 16 Jan 2018 17:55

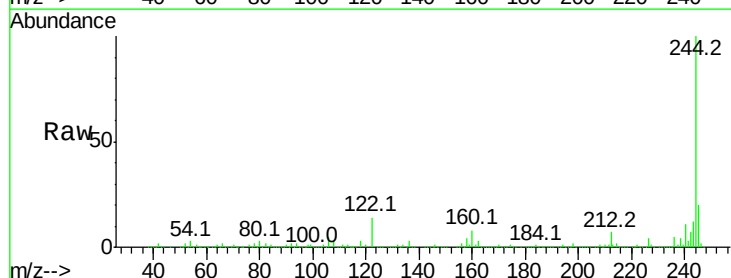
Tgt Ion:244 Resp: 1365723

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

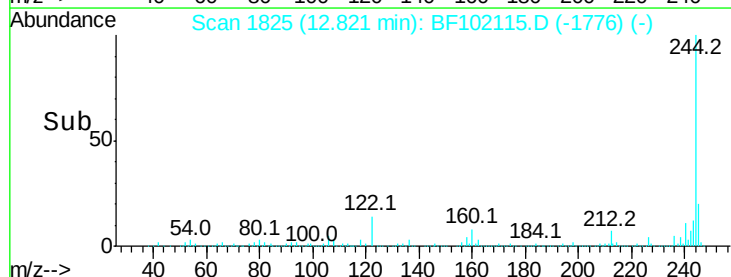
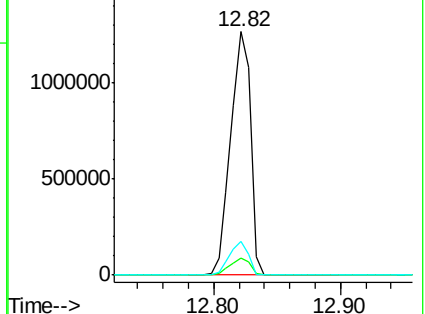
122 13.7 11.0 16.4

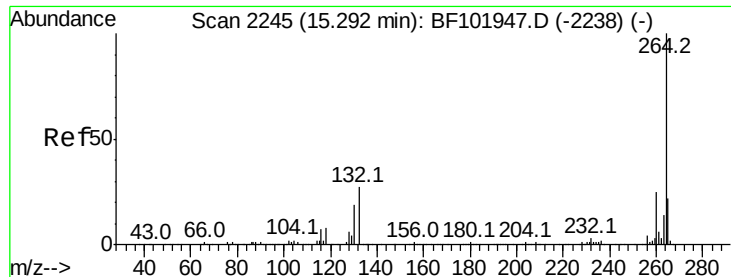


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

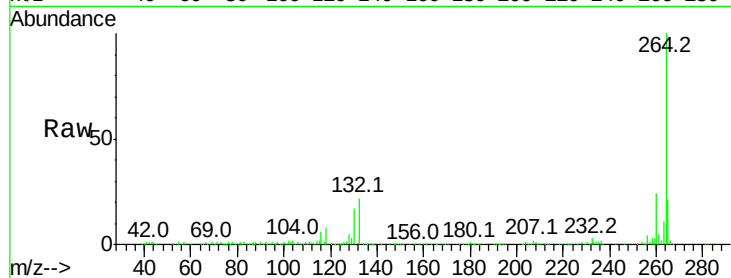




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2242
 Delta R.T. -0.02 min
 Lab File: BF102115.D
 Acq: 16 Jan 2018 17:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	314307
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.5	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

