

Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
 Data File : BF101937.D
 Acq On : 5 Jan 2018 18:36
 Operator : SJ/JU
 Sample : J1027-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 05 21:39:41 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 05 12:29:26 2018
 Response via : Initial Calibration

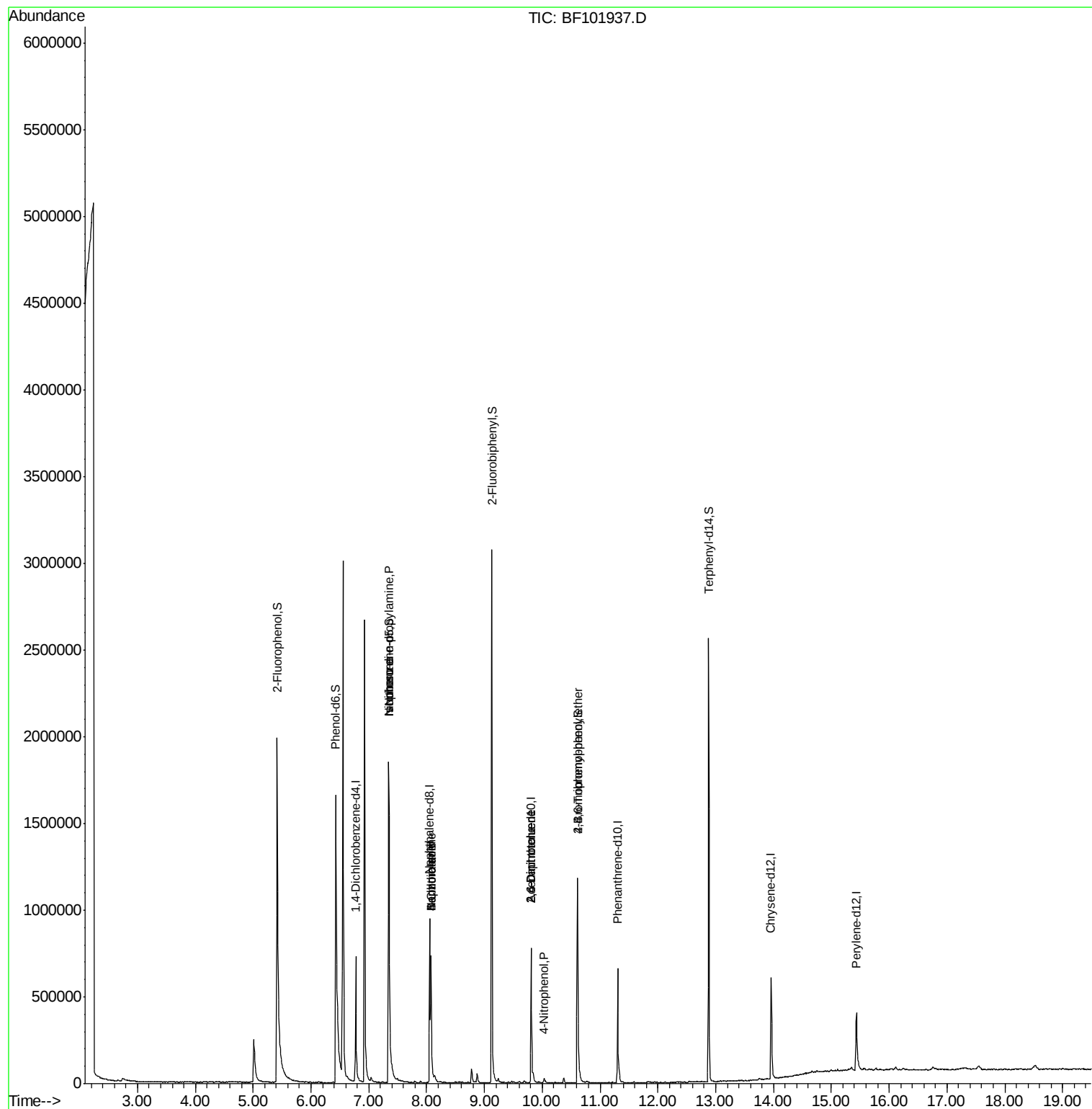
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	127111	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	476442	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	173559	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	263181	20.00	ng	0.00
75) Chrysene-d12	13.96	240	259791	20.00	ng	0.00
86) Perylene-d12	15.43	264	213221	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	1052825	123.38	ng	0.01
7) Phenol-d6	6.43	99	1105845	104.13	ng	0.00
23) Nitrobenzene-d5	7.35	82	850955	99.42	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	172676	103.25	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	1143127	102.17	ng	0.00
78) Terphenyl-d14	12.88	244	852663	79.12	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.35	70	114102	16.360	ng	# 83
25) Isophorone	7.35	82	850955	49.561	ng	# 64
31) Naphthalene	8.07	128	378278	15.771	ng	# 99
32) Benzoic acid	8.07	122	588	8.066	ng	# 1
33) 4-Chloroaniline	8.07	127	48717	4.673	ng	# 30
50) 2,6-Dinitrotoluene	9.81	165	22495	7.928	ng	# 26
55) 4-Nitrophenol	10.03	139	5405	3.504	ng	# 9
56) 2,4-Dinitrotoluene	9.81	165	22495	7.037	ng	# 24
66) 4-Bromophenyl-phenylether	10.61	248	11984	4.053	ng	# 1

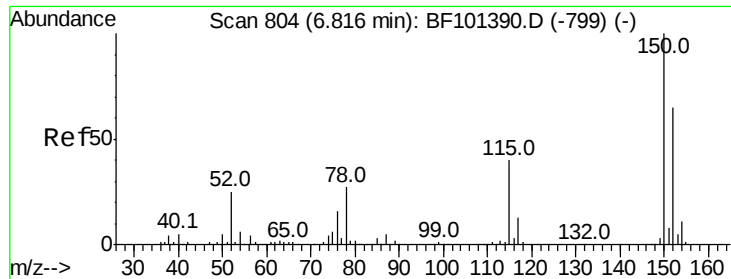
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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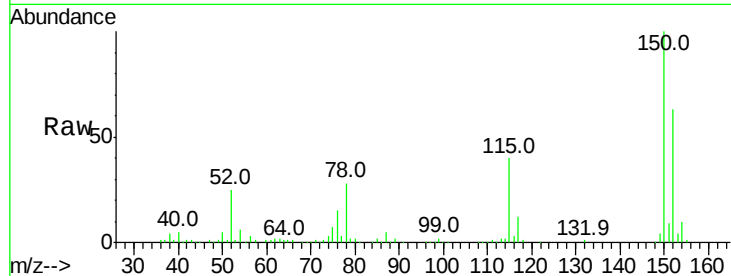


#1

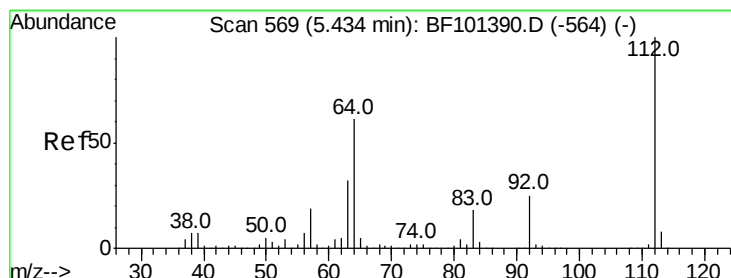
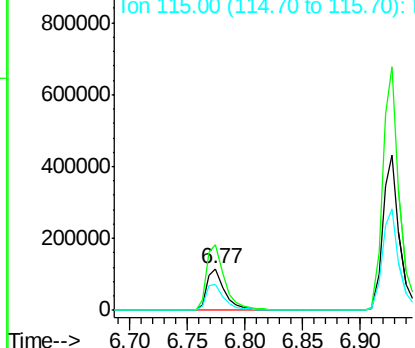
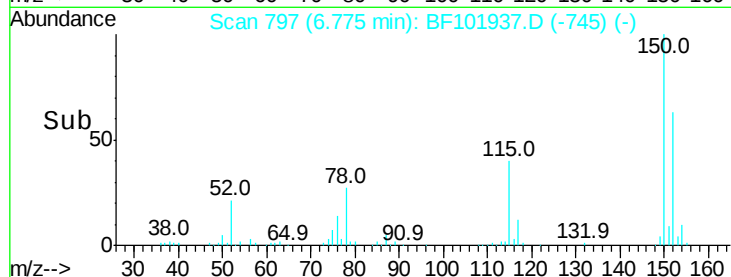
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.77 min Scan# 797
 Delta R.T. 0.01 min
 Lab File: BF101937.D
 Acq: 5 Jan 2018 18:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 127111
 Ion Ratio Lower Upper
 152 100
 150 157.8 124.6 186.8
 115 63.1 50.1 75.1



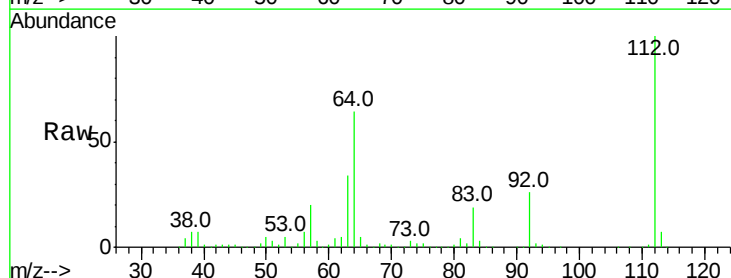
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



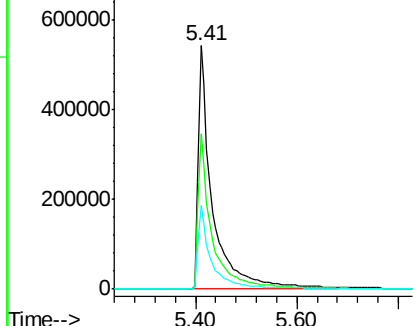
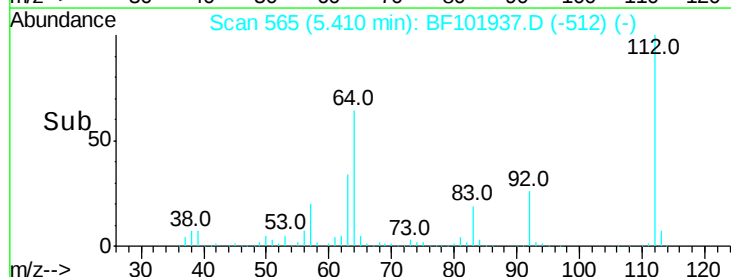
#5

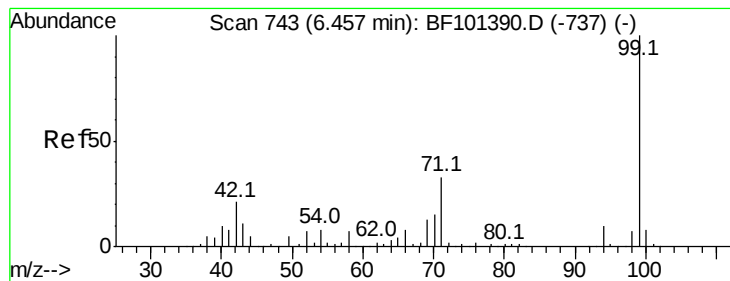
2-Fluorophenol
 Concen: 123.378 ng
 RT: 5.41 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: BF101937.D
 Acq: 5 Jan 2018 18:36

Tgt Ion:112 Resp: 1052825
 Ion Ratio Lower Upper
 112 100
 64 63.7 47.9 71.9
 63 34.3 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: 104.128 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF101937.D

Acq: 5 Jan 2018 18:36

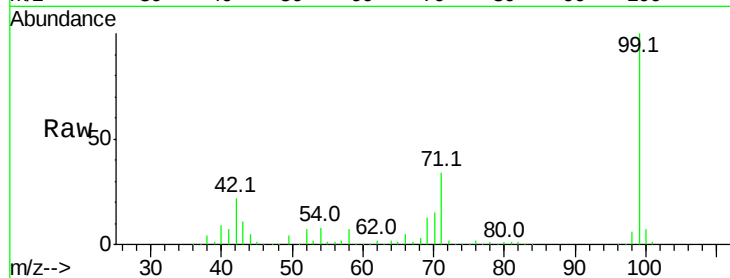
Instrument :

BNA_F

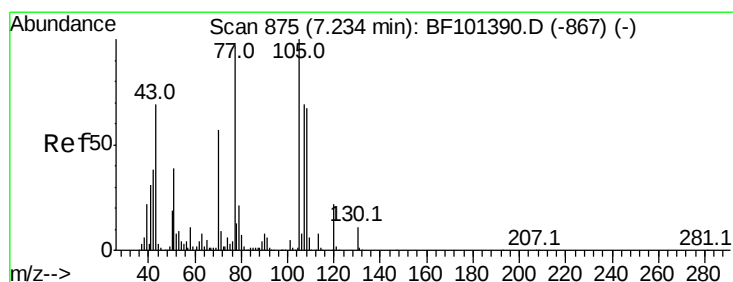
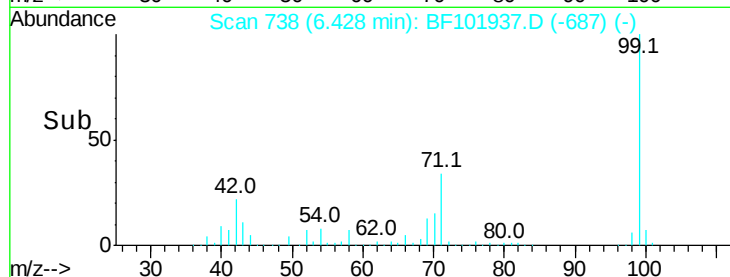
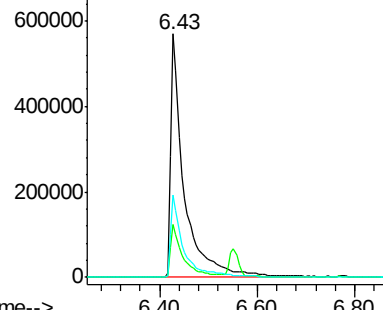
ClientSampleId :

Tot Ion: 99 Resp: 1105845

Ion	Ratio	Lower	Upper
99	100		
42	21.9	14.5	21.7#
71	33.8	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: 16.360 ng

RT: 7.35 min Scan# 894

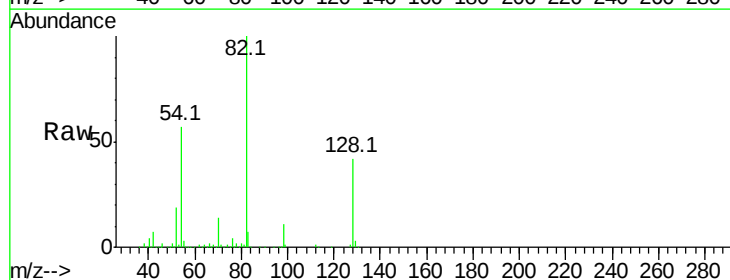
Delta R.T. 0.15 min

Lab File: BF101937.D

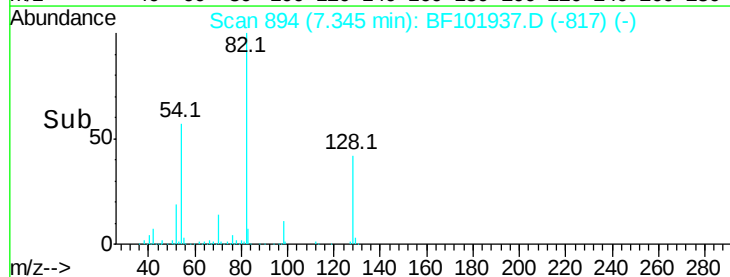
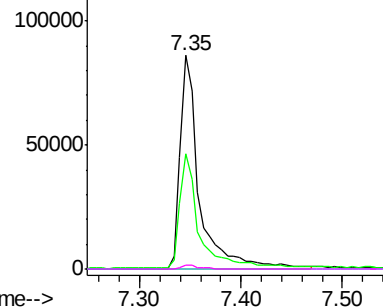
Acq: 5 Jan 2018 18:36

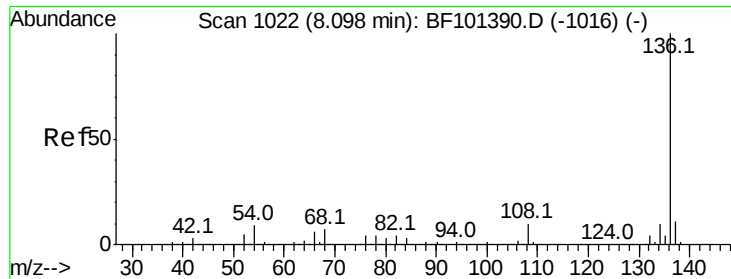
Tgt Ion: 70 Resp: 114102

Ion	Ratio	Lower	Upper
70	100		
42	53.7	47.5	71.3
101	0.0	7.4	11.2#
130	2.0	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

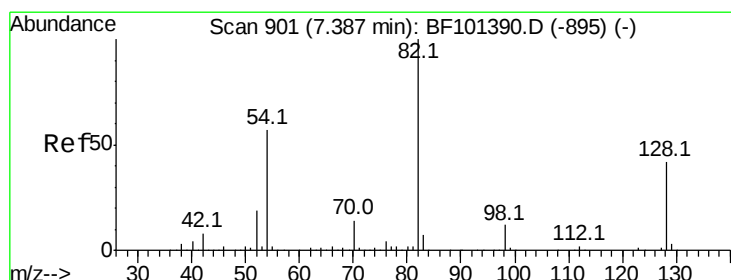
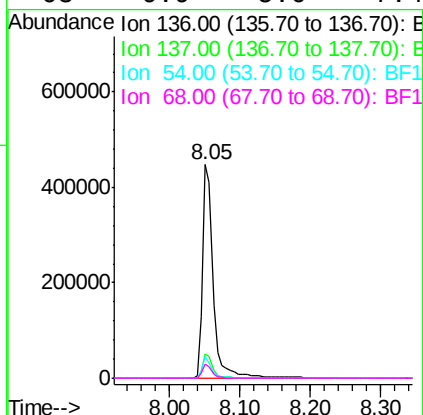
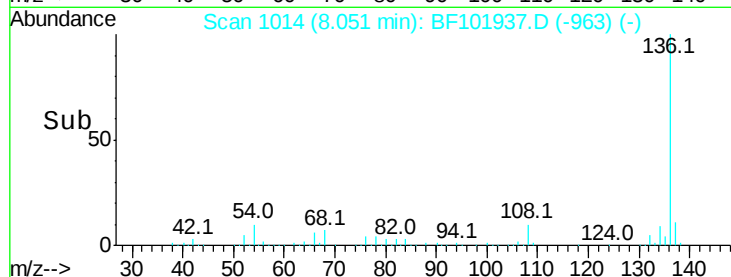
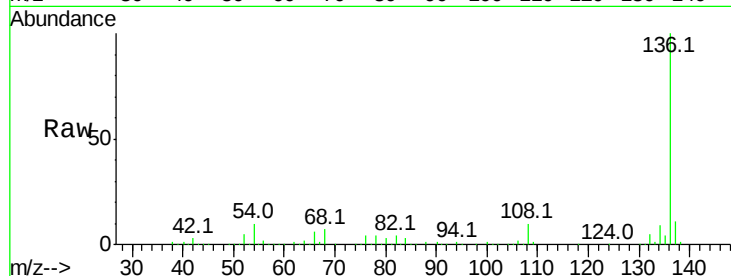




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF101937.D
Acq: 5 Jan 2018 18:36

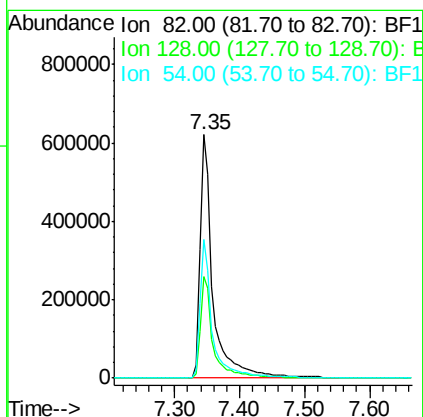
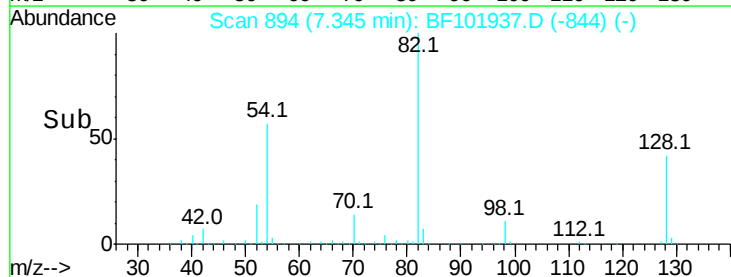
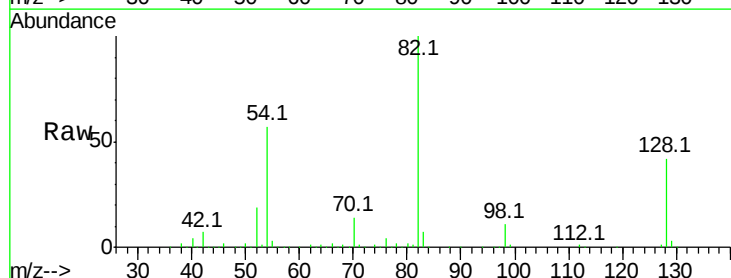
Instrument :
BNA_F
ClientSampleId :

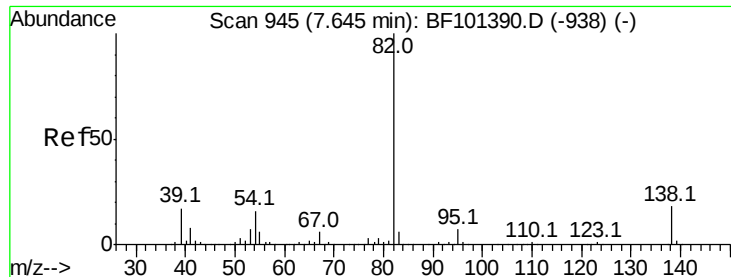
Tot Ion:	136	Resp:	476442
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	10.2	6.6	9.8
68	6.9	5.0	7.4



#23
Nitrobenzene-d5
Concen: 99.423 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF101937.D
Acq: 5 Jan 2018 18:36

Tgt Ion:	82	Resp:	850955
Ion	Ratio	Lower	Upper
82	100		
128	41.7	36.1	54.1
54	56.8	41.4	62.2





#25

Isophorone

Concen: 49.561 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.25 min

Lab File: BF101937.D

Acq: 5 Jan 2018 18:36

Instrument :

BNA_F

ClientSampleId :

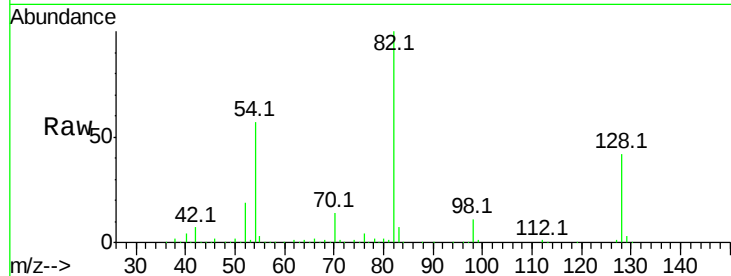
Tot Ion: 82 Resp: 850955

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

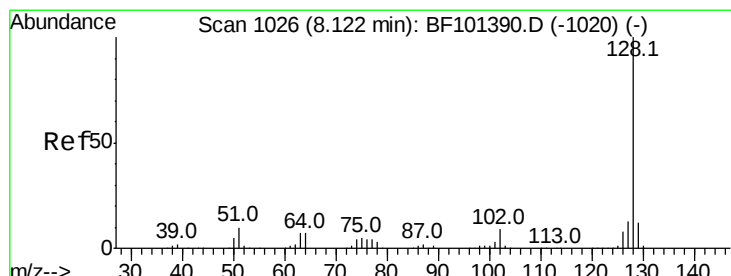
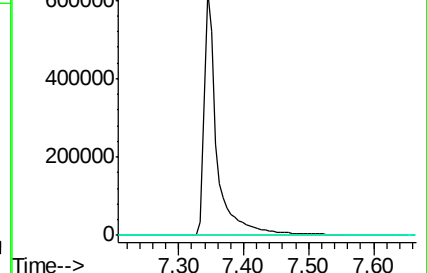
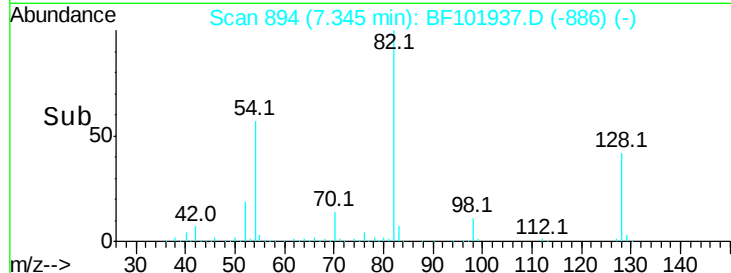
138 0.0 14.9 22.3#



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: 15.771 ng

RT: 8.07 min Scan# 1018

Delta R.T. 0.00 min

Lab File: BF101937.D

Acq: 5 Jan 2018 18:36

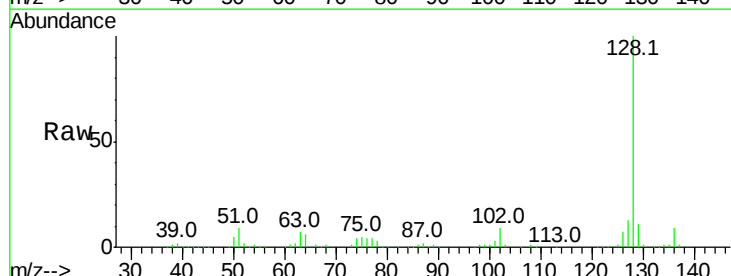
Tgt Ion:128 Resp: 378278

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

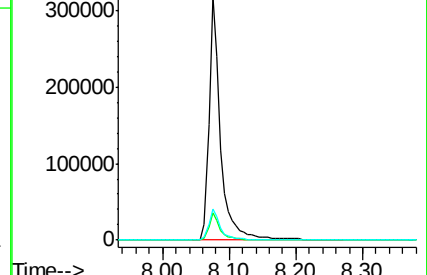
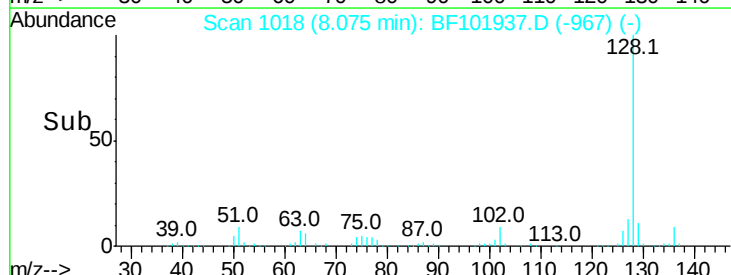
127 12.8 10.9 16.3

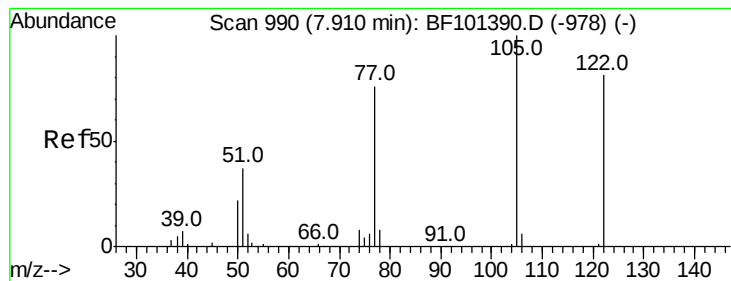


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 8.066 ng

RT: 8.07 min Scan# 1018

Delta R.T. 0.17 min

Lab File: BF101937.D

Acq: 5 Jan 2018 18:36

Instrument :

BNA_F

ClientSampleId :

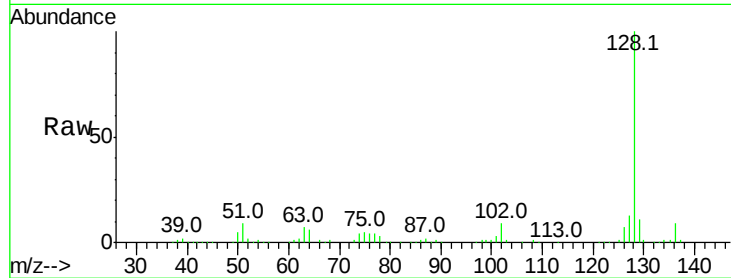
Tot Ion:122 Resp: 588

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

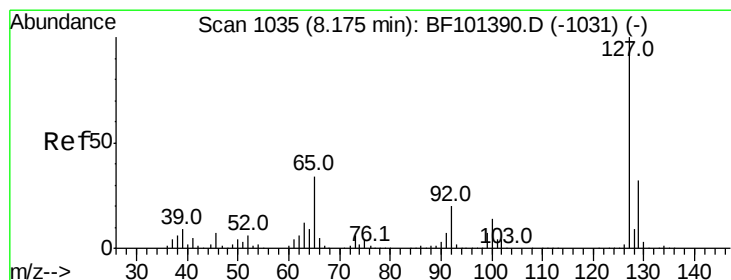
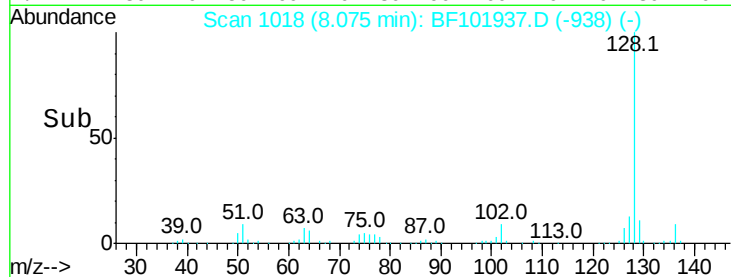
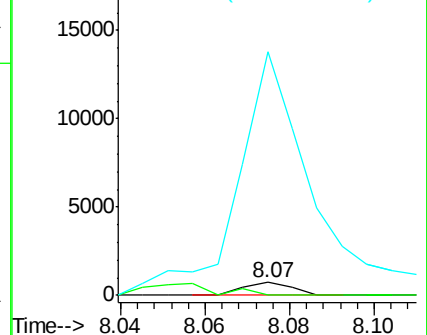
77 1917.4 70.7 110.7#



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: 4.673 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.06 min

Lab File: BF101937.D

Acq: 5 Jan 2018 18:36

Tgt Ion:127 Resp: 48717

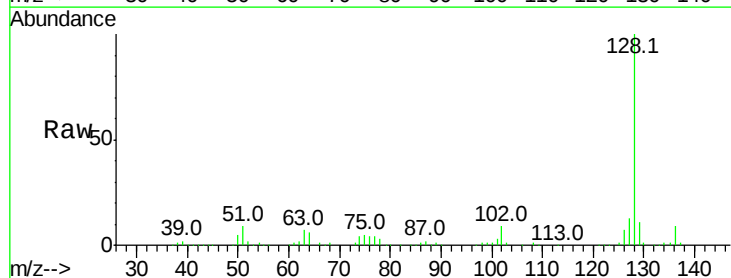
Ion Ratio Lower Upper

127 100

129 87.9 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

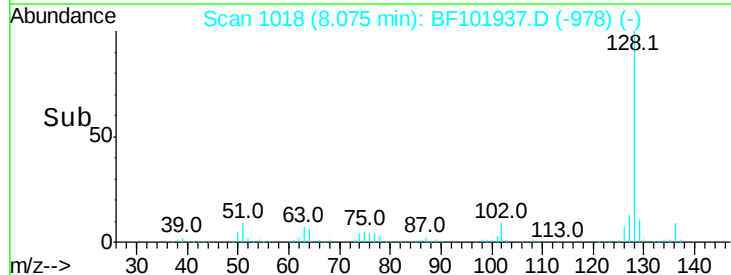
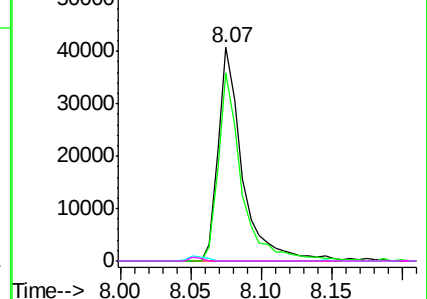


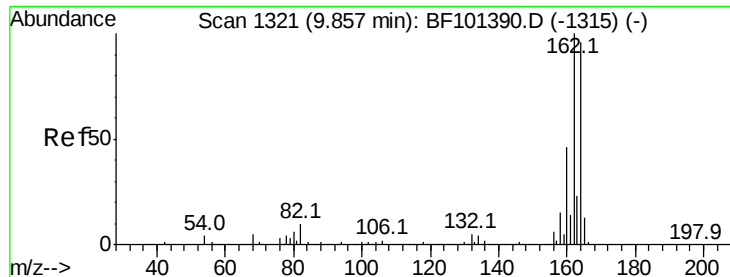
Abundance Ion 127.00 (126.70 to 127.70): E

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

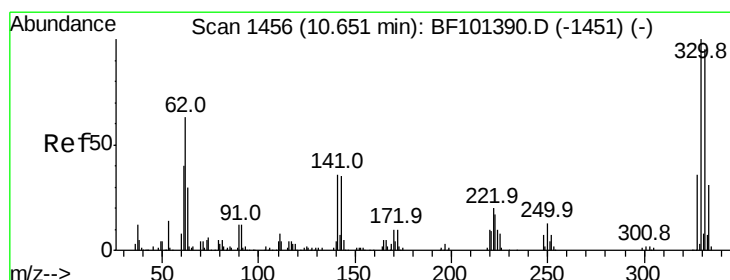
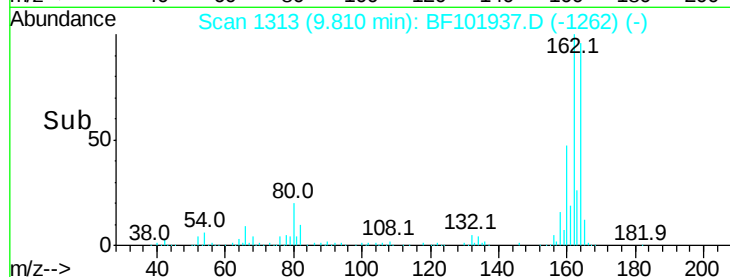
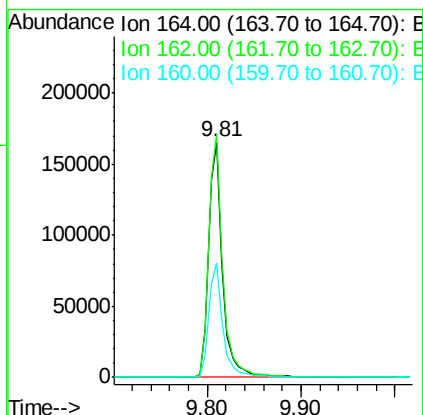
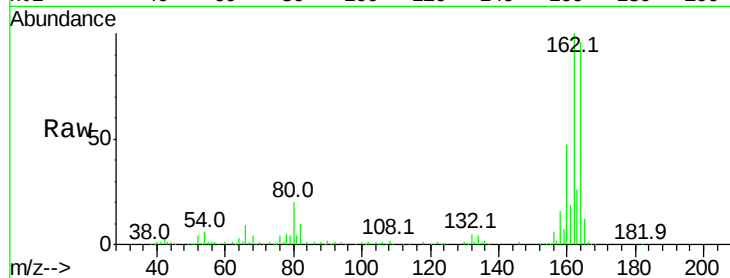




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. 0.00 min
 Lab File: BF101937.D
 Acq: 5 Jan 2018 18:36

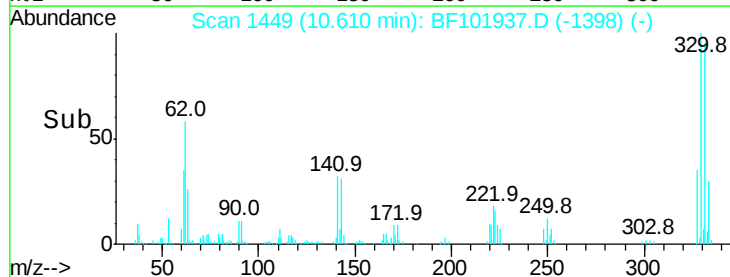
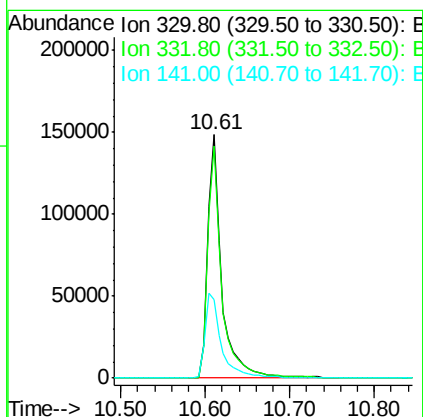
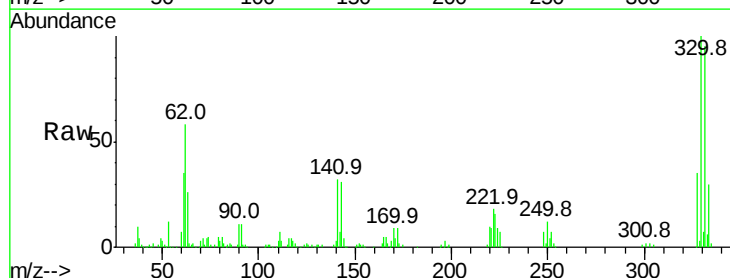
Instrument :
 BNA_F
 ClientSampleId :

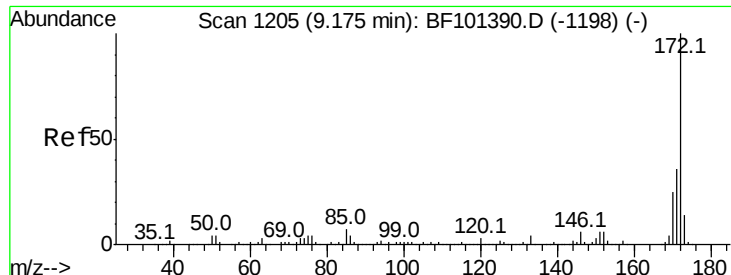
Tot Ion:164 Resp: 173559
 Ion Ratio Lower Upper
 164 100
 162 103.7 86.1 129.1
 160 48.4 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 103.252 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BF101937.D
 Acq: 5 Jan 2018 18:36

Tgt Ion:330 Resp: 172676
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.0 115.6
 141 40.8 29.9 44.9



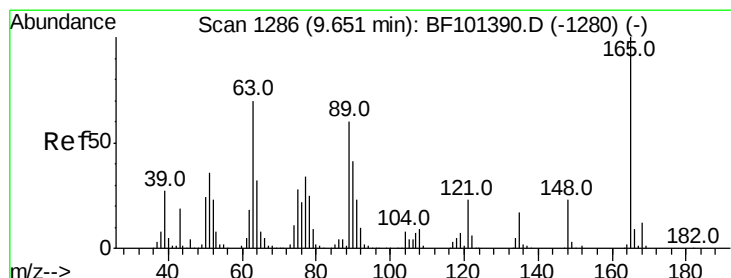
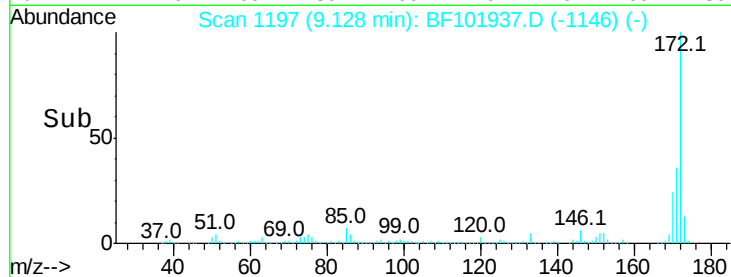
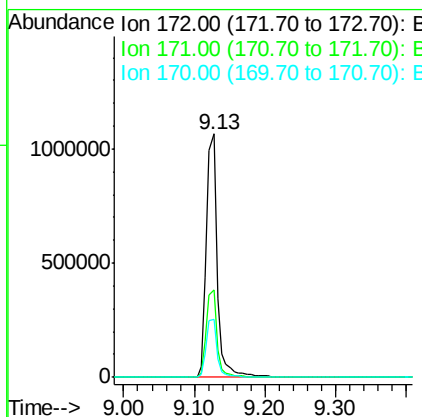
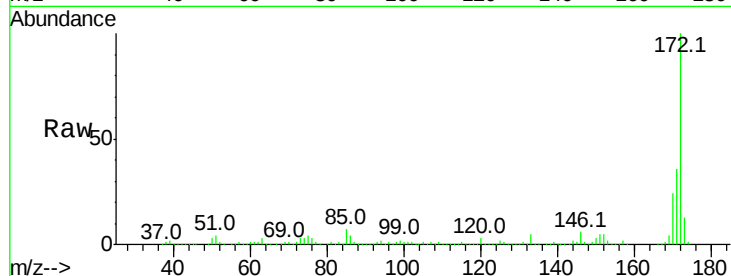


#44
 2-Fluorobiphenyl
 Concen: 102.171 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF101937.D
 Acq: 5 Jan 2018 18:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1143127

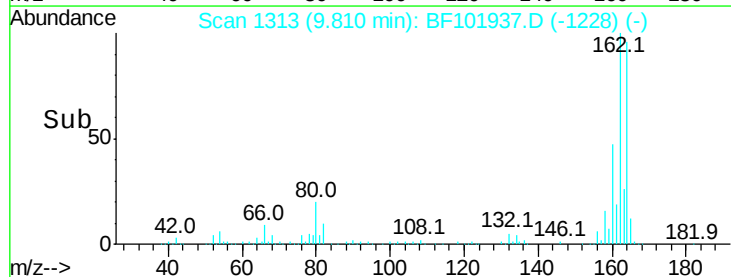
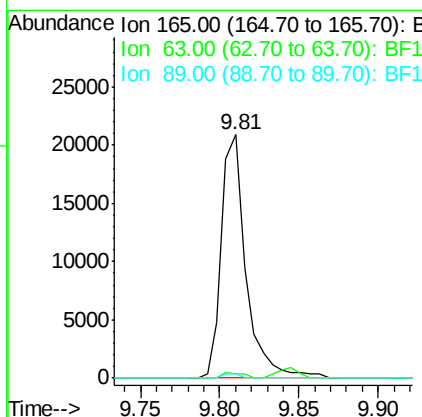
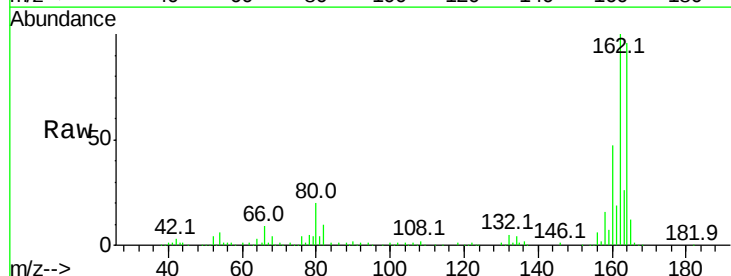
Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.0	19.6	29.4

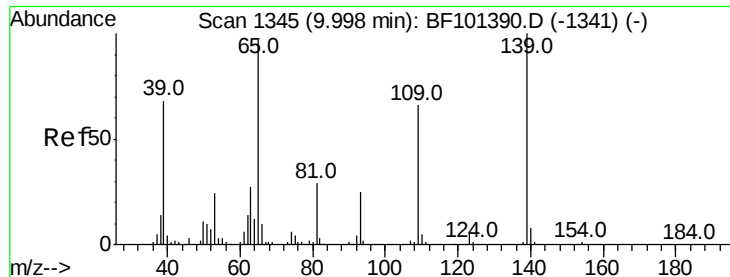


#50
 2,6-Dinitrotoluene
 Concen: 7.928 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. 0.20 min
 Lab File: BF101937.D
 Acq: 5 Jan 2018 18:36

Tgt Ion:165 Resp: 22495

Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.7	67.1#
89	1.7	44.0	66.0#





#55

4-Nitrophenol

Concen: 3.504 ng

RT: 10.03 min Scan# 1351

Delta R.T. 0.04 min

Lab File: BF101937.D

Acq: 5 Jan 2018 18:36

Instrument :

BNA_F

ClientSampled :

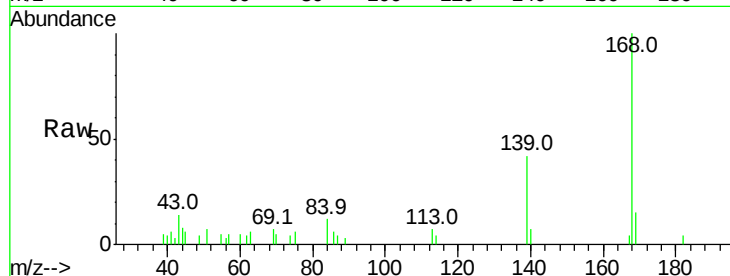
Tot Ion:139 Resp: 5405

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

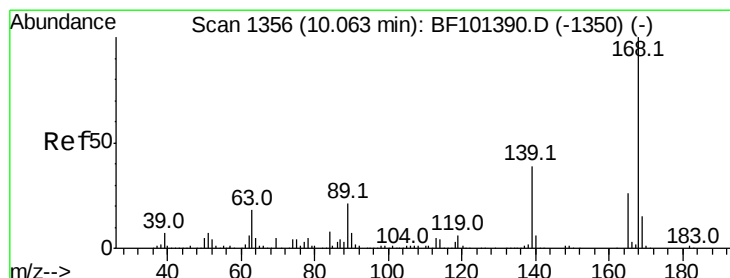
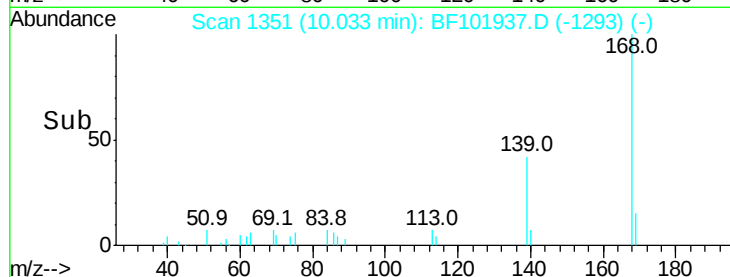
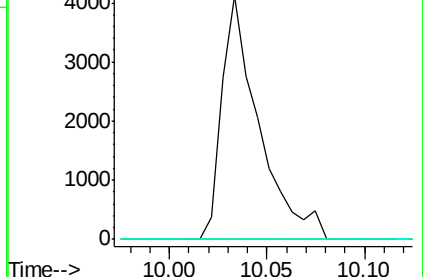
65 0.0 72.6 112.6#



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: 7.037 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.22 min

Lab File: BF101937.D

Acq: 5 Jan 2018 18:36

Tgt Ion:165 Resp: 22495

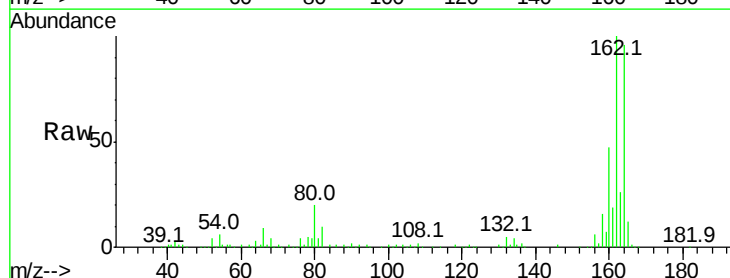
Ion Ratio Lower Upper

165 100

63 1.7 36.4 54.6#

89 1.7 57.8 86.6#

182 1.5 1.6 2.4#

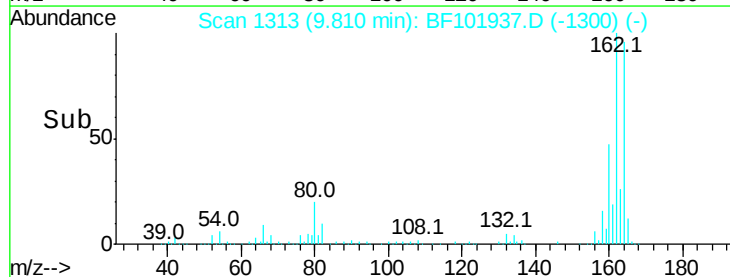
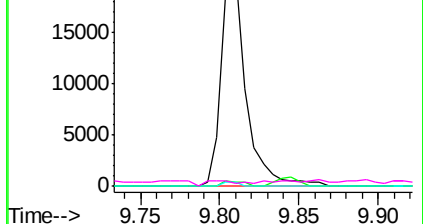


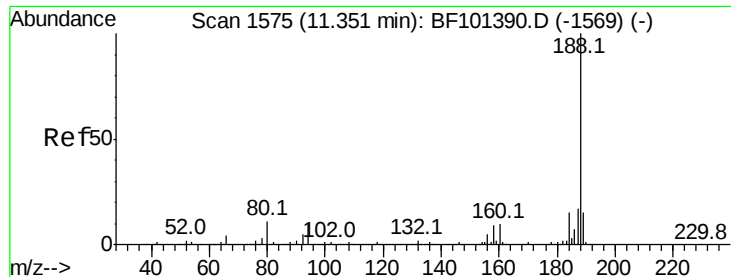
Abundance Ion 165.00 (164.70 to 165.70): E

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# 1567

Delta R.T. 0.00 min

Lab File: BF101937.D

Acq: 5 Jan 2018 18:36

Instrument :

BNA_F

ClientSampleId :

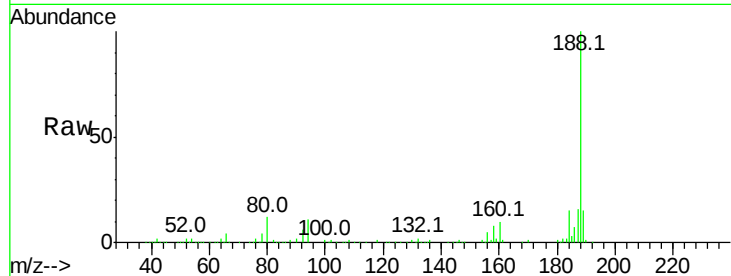
Tot Ion:188 Resp: 263181

Ion Ratio Lower Upper

188 100

94 10.6 8.5 12.7

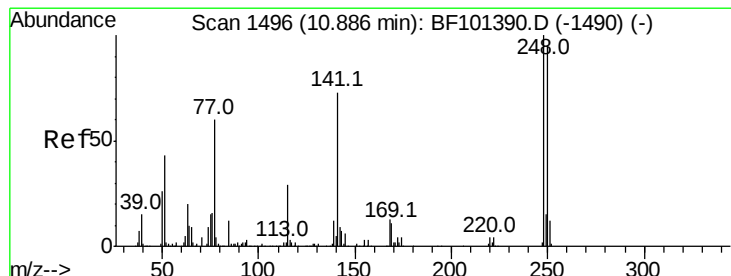
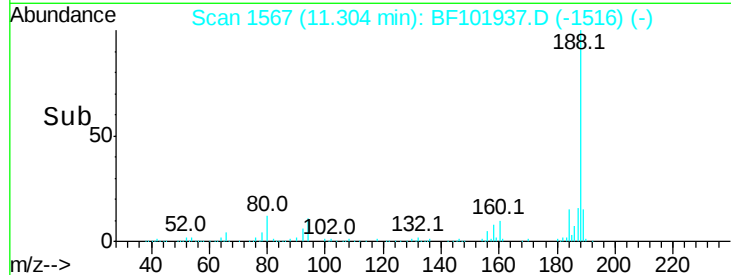
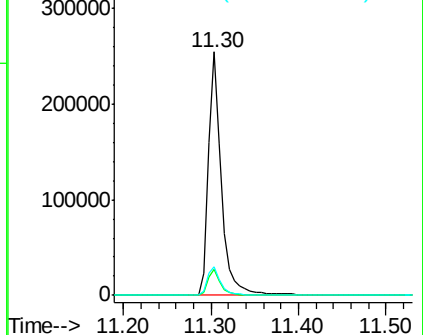
80 11.5 9.2 13.8



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: 4.053 ng

RT: 10.61 min Scan# 1449

Delta R.T. -0.22 min

Lab File: BF101937.D

Acq: 5 Jan 2018 18:36

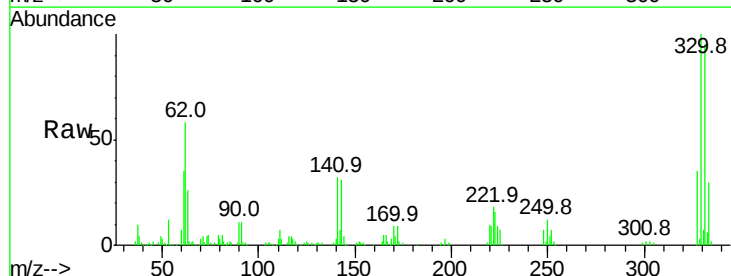
Tgt Ion:248 Resp: 11984

Ion Ratio Lower Upper

248 100

250 190.2 76.9 115.3#

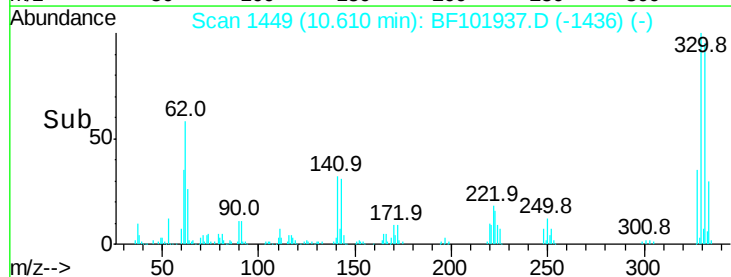
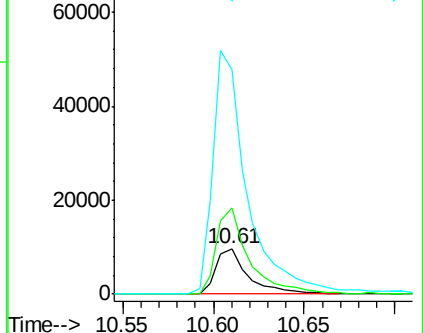
141 494.9 74.4 111.6#

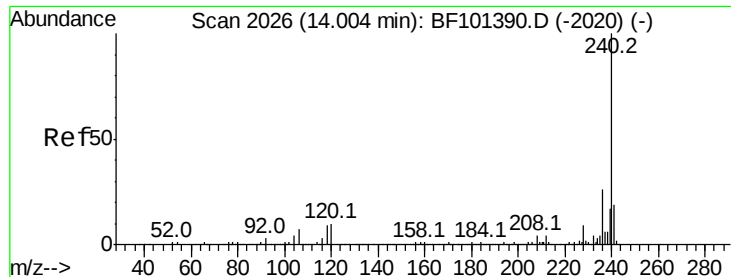


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.96 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF101937.D

Acq: 5 Jan 2018 18:36

Instrument :

BNA_F

ClientSampled :

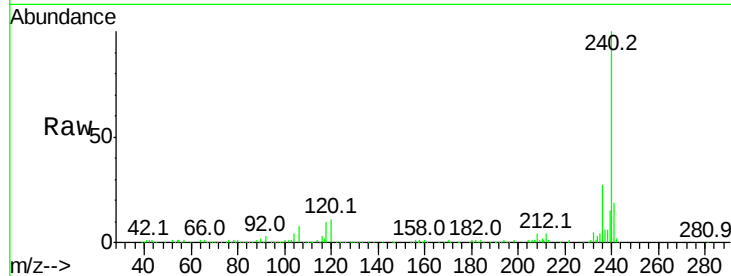
Tot Ion:240 Resp: 259791

Ion Ratio Lower Upper

240 100

120 11.1 9.5 14.3

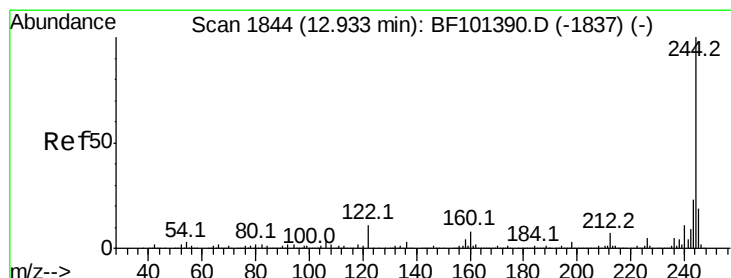
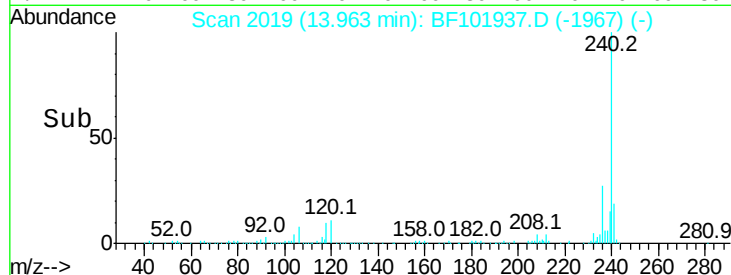
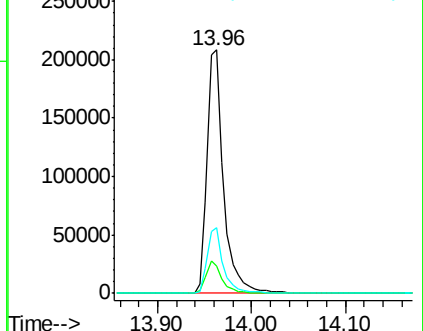
236 26.8 20.7 31.1



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: 79.124 ng

RT: 12.88 min Scan# 1835

Delta R.T. 0.00 min

Lab File: BF101937.D

Acq: 5 Jan 2018 18:36

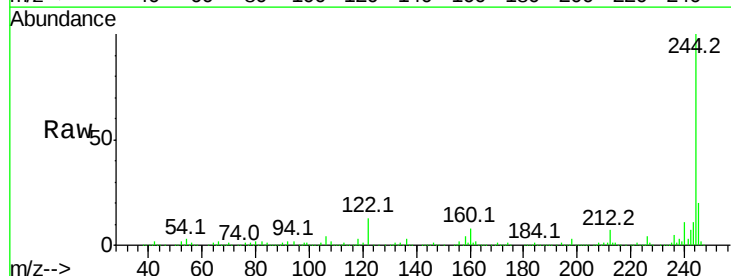
Tgt Ion:244 Resp: 852663

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

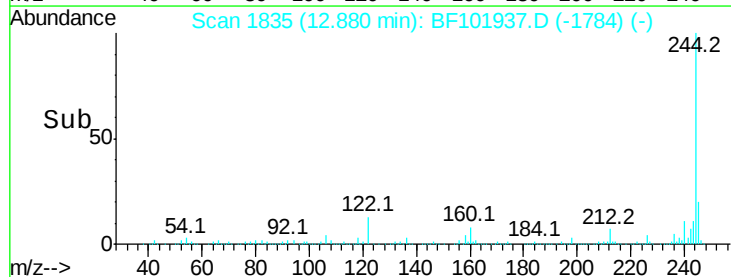
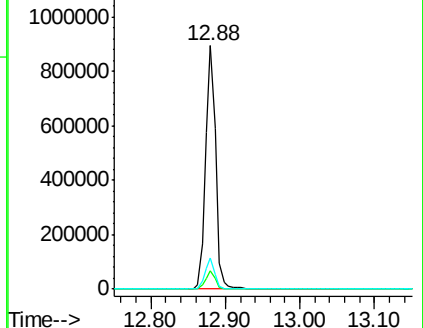
122 13.0 11.0 16.4

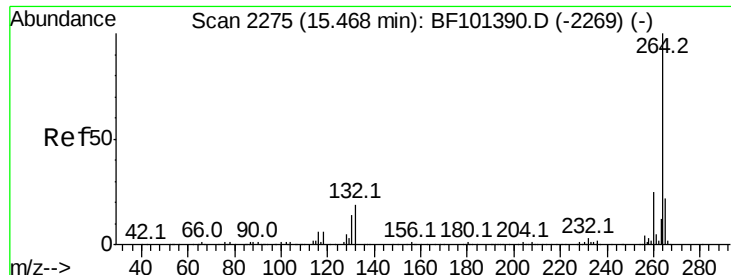


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

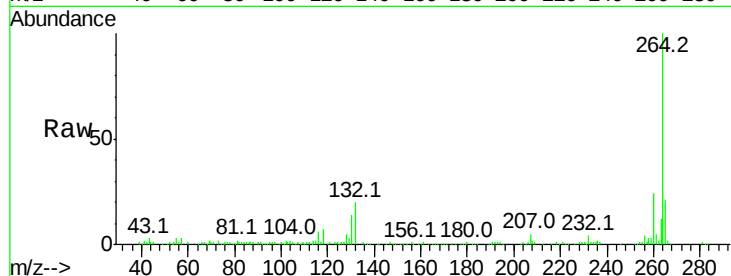




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF101937.D
Acq: 5 Jan 2018 18:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	213221
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	20.8	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

