

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122017\
 Data File : BF101590.D
 Acq On : 21 Dec 2017 5:39
 Operator : SJ/JU
 Sample : I6971-01
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 121517-TIDO-F-D-B

Quant Time: Dec 21 08:00:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 14:25:04 2017
 Response via : Initial Calibration

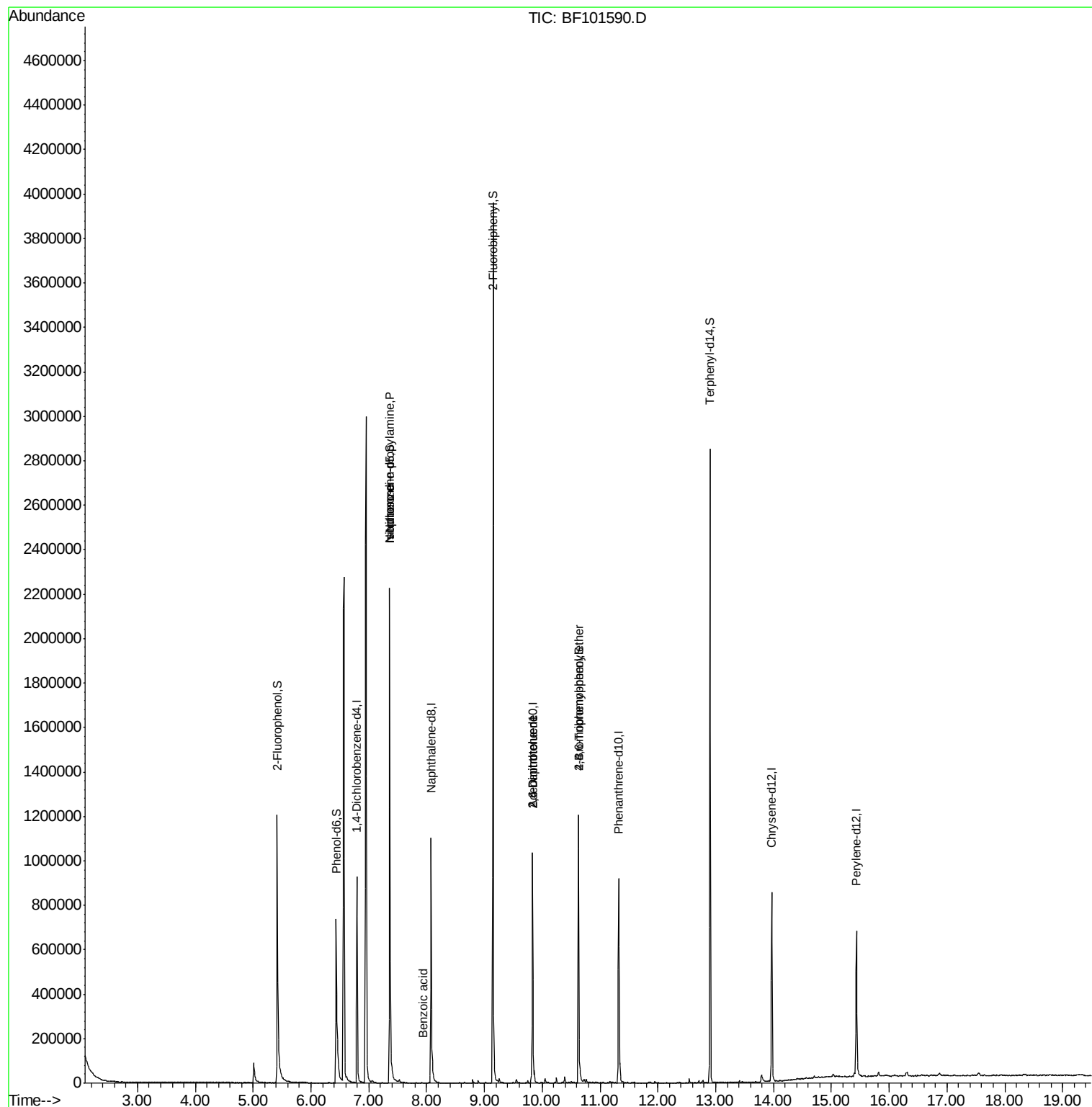
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	143046	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	546577	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	211939	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	329985	20.00	ng	0.00
75) Chrysene-d12	13.97	240	298523	20.00	ng	0.00
86) Perylene-d12	15.43	264	324392	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	464152	48.33	ng	0.00
7) Phenol-d6	6.43	99	375655	31.43	ng	0.00
23) Nitrobenzene-d5	7.36	82	873483	88.96	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	155236	76.01	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1305396	95.55	ng	0.00
78) Terphenyl-d14	12.90	244	945305	76.34	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	118544	15.104	ng	# 84
25) Isophorone	7.36	82	873483	44.345	ng	# 64
32) Benzoic acid	7.94	122	115	7.979	ng	# 1
50) 2,6-Dinitrotoluene	9.83	165	26311	7.594	ng	# 26
56) 2,4-Dinitrotoluene	9.83	165	26311	6.740	ng	# 24
66) 4-Bromophenyl-phenylether	10.63	248	10392	2.803	ng	# 1

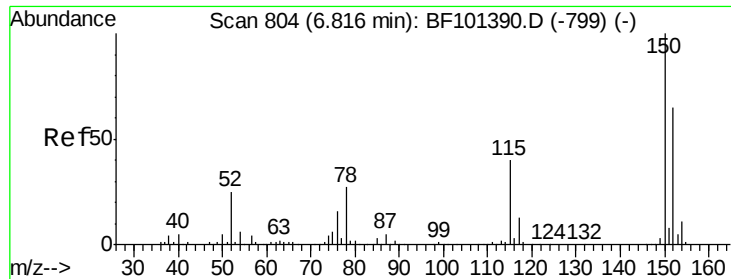
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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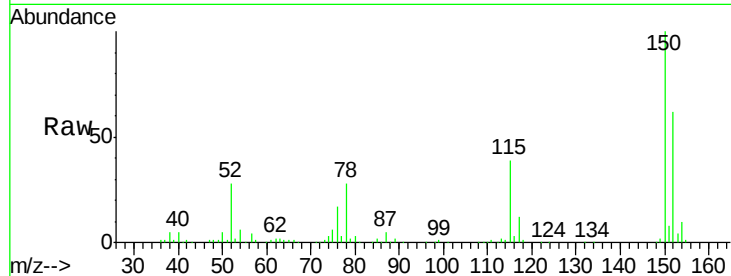


#1

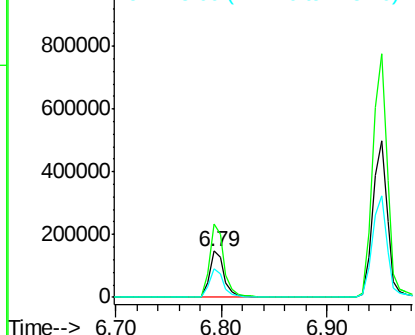
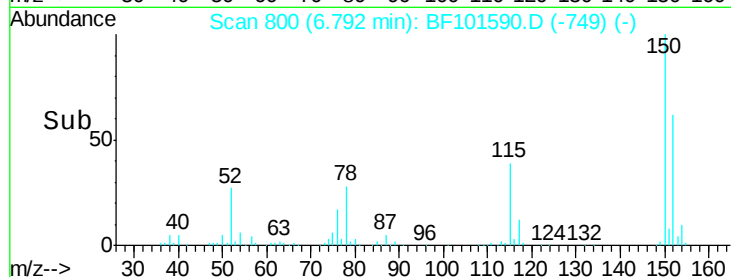
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF101590.D
 Acq: 21 Dec 2017 5:39

Instrument :
 BNA_F
 ClientSampleId :
 121517-TIDO-F-D-B

Tot Ion:152 Resp: 143046
 Ion Ratio Lower Upper
 152 100
 150 160.9 124.6 186.8
 115 63.2 50.1 75.1



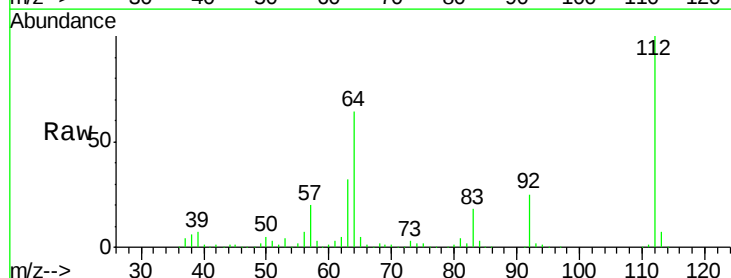
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



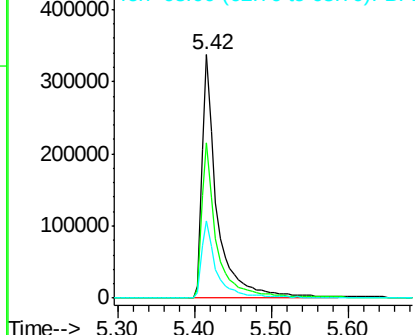
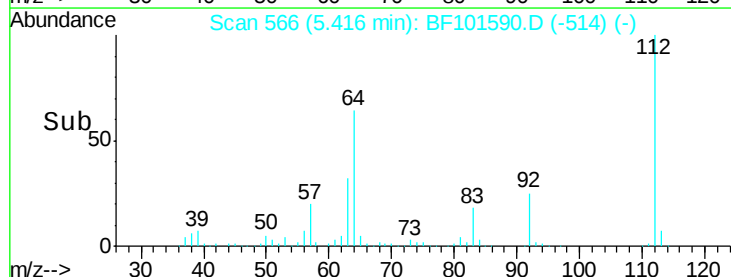
#5

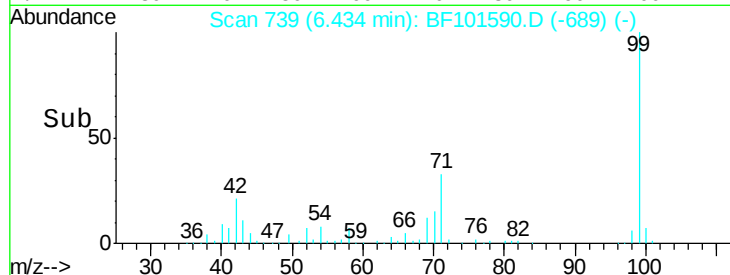
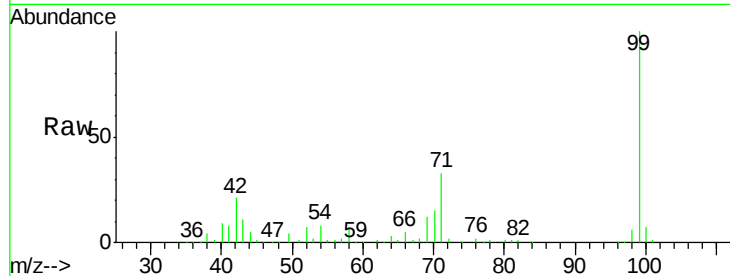
2-Fluorophenol
 Concen: 48.333 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: BF101590.D
 Acq: 21 Dec 2017 5:39

Tgt Ion:112 Resp: 464152
 Ion Ratio Lower Upper
 112 100
 64 63.7 47.9 71.9
 63 31.7 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: 31.432 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF101590.D

Acq: 21 Dec 2017 5:39

Instrument :

BNA_F

ClientSampleId :

121517-TIDO-F-D-B

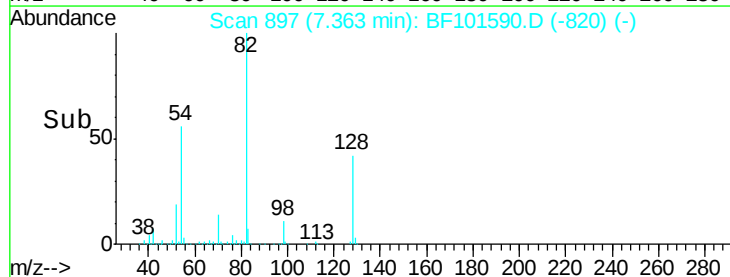
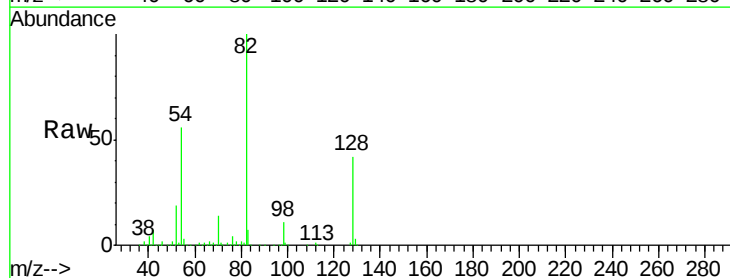
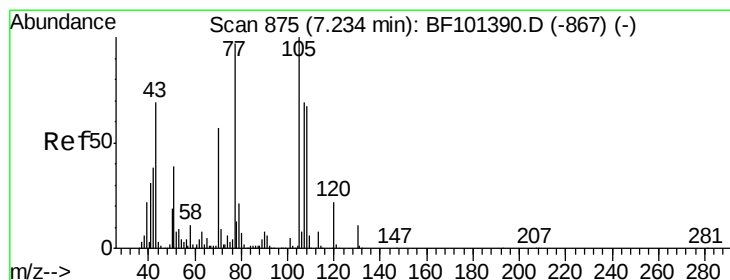
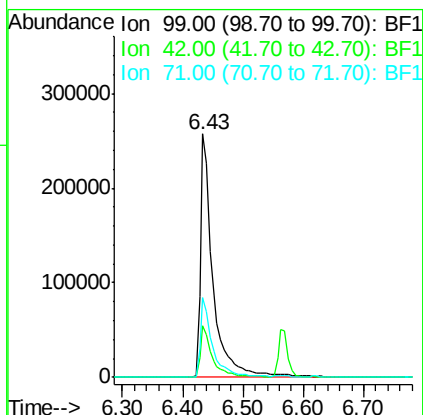
Tot Ion: 99 Resp: 375655

Ion Ratio Lower Upper

99 100

42 21.1 14.5 21.7

71 32.7 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.104 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF101590.D

Acq: 21 Dec 2017 5:39

Tgt Ion: 70 Resp: 118544

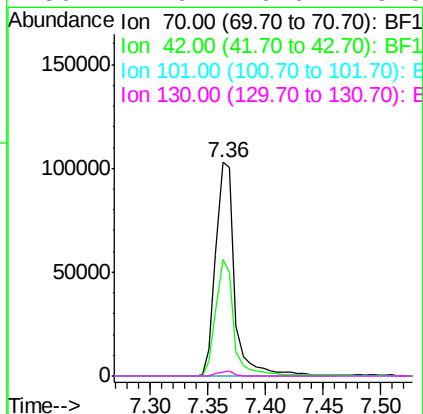
Ion Ratio Lower Upper

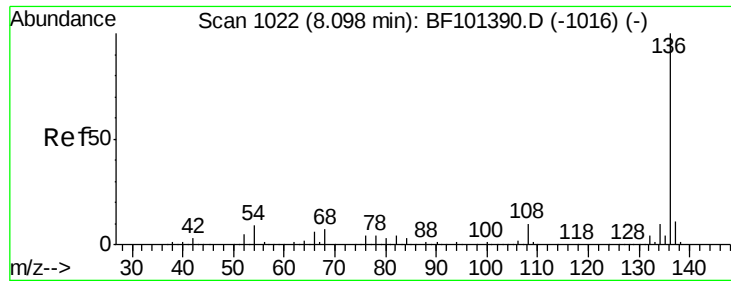
70 100

42 54.6 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

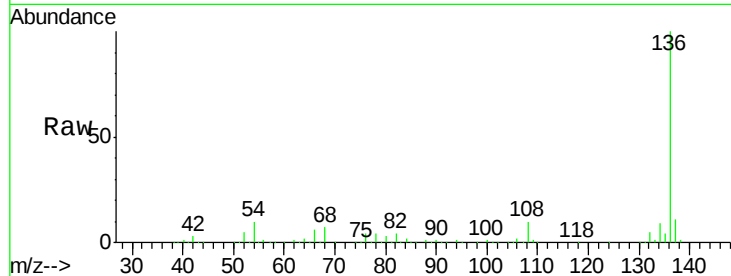




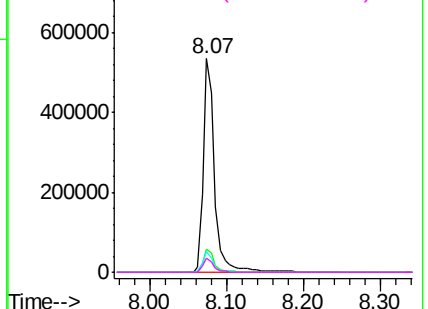
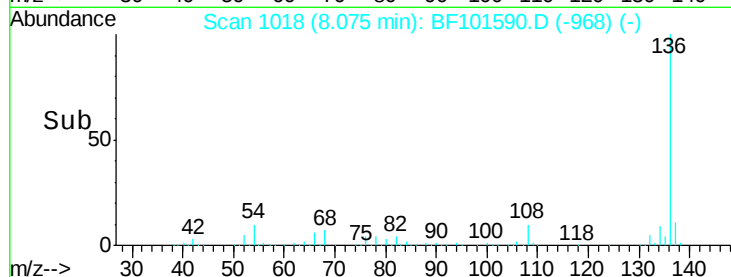
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF101590.D
Acq: 21 Dec 2017 5:39

Instrument :
BNA_F
ClientSampleId :
121517-TIDO-F-D-B

Tot Ion:136	Resp:	546577
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	9.7	6.6 9.8
68	6.7	5.0 7.4

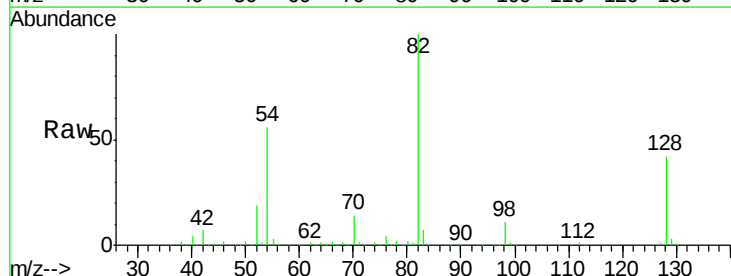


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

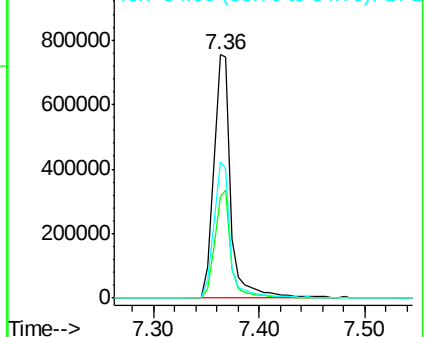
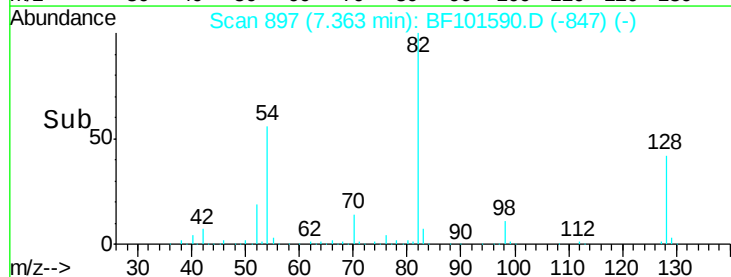


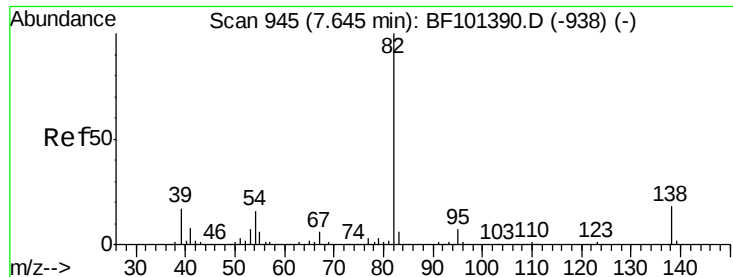
#23
Nitrobenzene-d5
Concen: 88.959 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF101590.D
Acq: 21 Dec 2017 5:39

Tgt Ion: 82	Resp:	873483
Ion Ratio	Lower	Upper
82	100	
128	41.6	36.1 54.1
54	55.8	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: 44.345 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF101590.D

Acq: 21 Dec 2017 5:39

Instrument :

BNA_F

ClientSampleId :

121517-TIDO-F-D-B

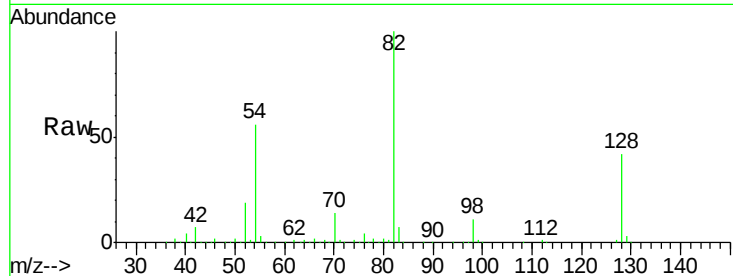
Tot Ion: 82 Resp: 873483

Ion Ratio Lower Upper

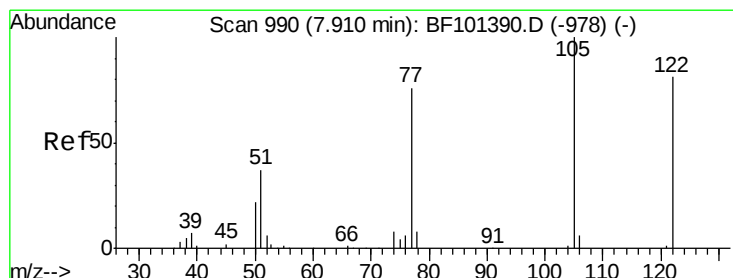
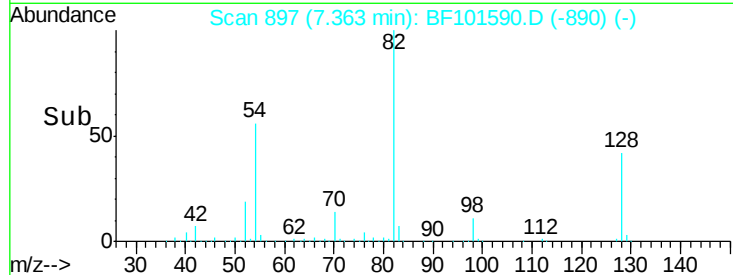
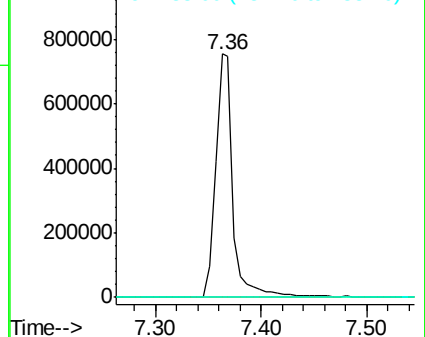
82 100

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



#32

Benzoic acid

Concen: 7.979 ng

RT: 7.94 min Scan# 995

Delta R.T. 0.04 min

Lab File: BF101590.D

Acq: 21 Dec 2017 5:39

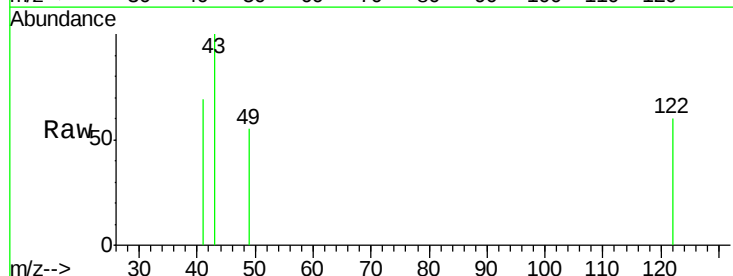
Tgt Ion: 122 Resp: 115

Ion Ratio Lower Upper

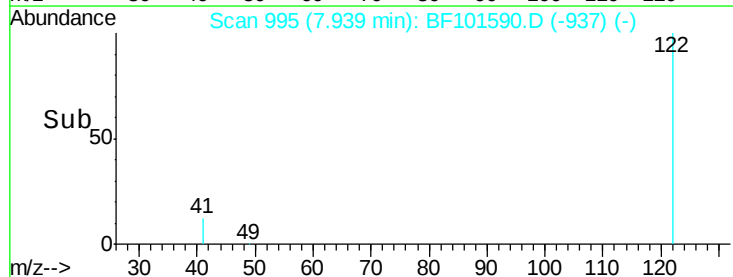
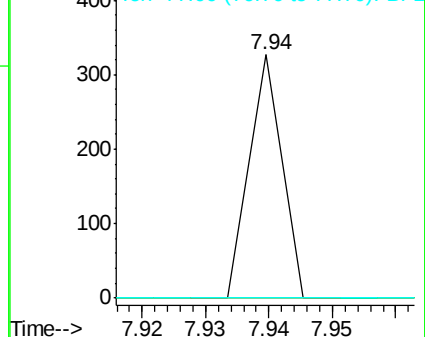
122 100

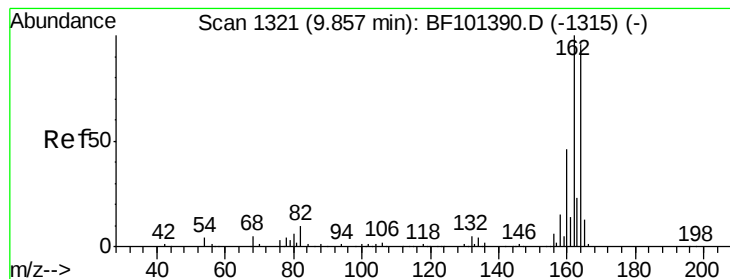
105 0.0 101.1 141.1#

77 0.0 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BF101590.D

Acq: 21 Dec 2017 5:39

Instrument :

BNA_F

ClientSampleId :

121517-TIDO-F-D-B

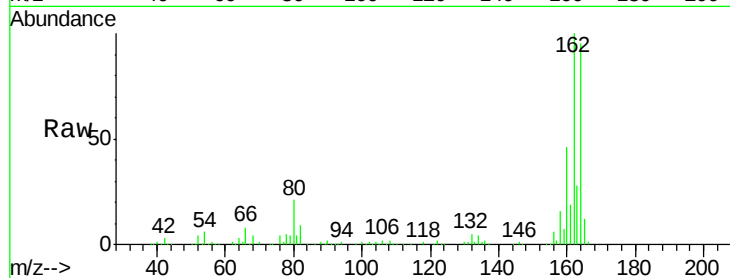
Tot Ion:164 Resp: 211939

Ion Ratio Lower Upper

164 100

162 105.5 86.1 129.1

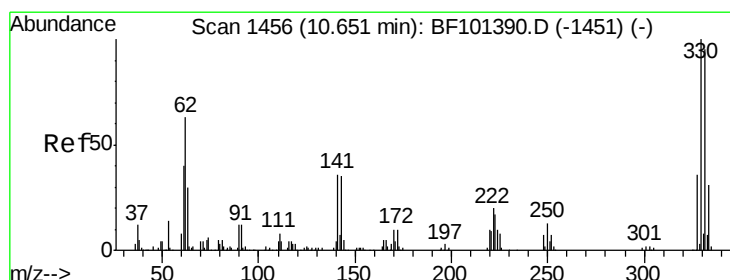
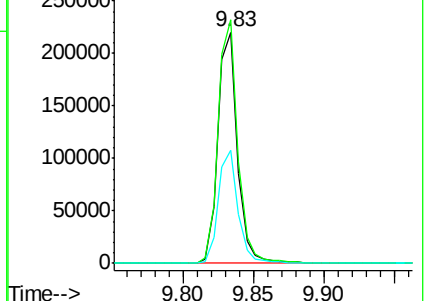
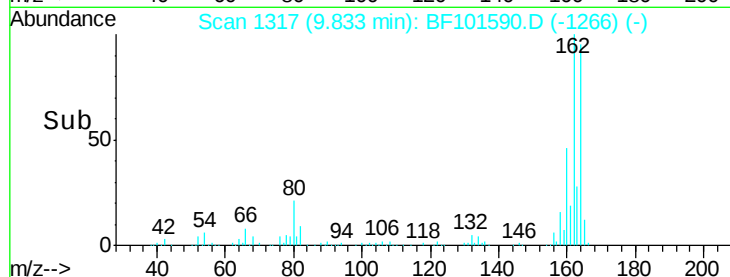
160 49.0 38.3 57.5



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: 76.014 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF101590.D

Acq: 21 Dec 2017 5:39

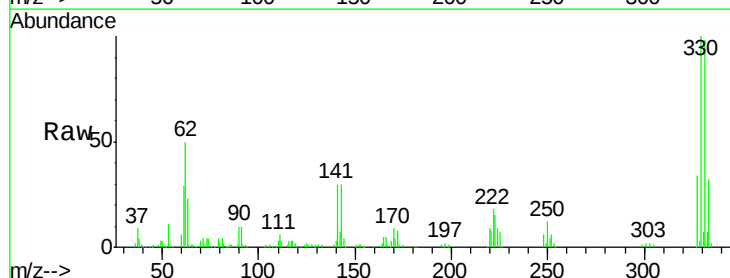
Tgt Ion:330 Resp: 155236

Ion Ratio Lower Upper

330 100

332 97.4 77.0 115.6

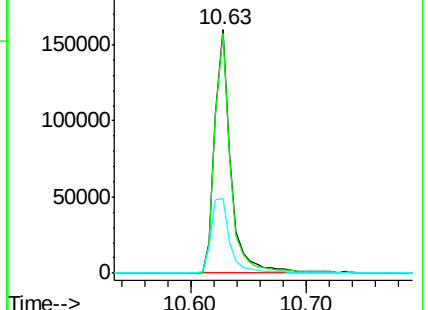
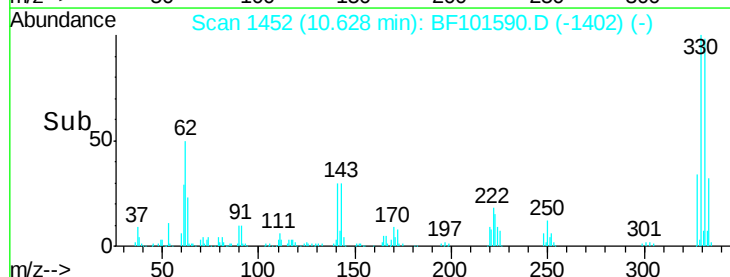
141 36.2 29.9 44.9

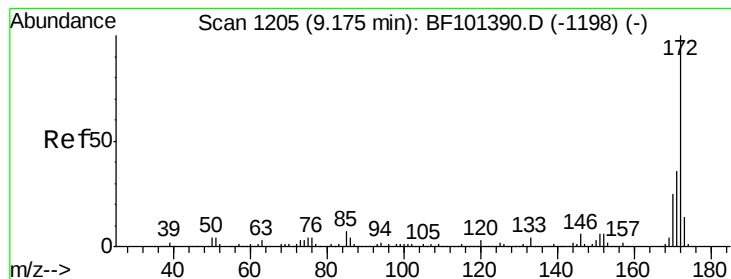


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 95.546 ng

RT: 9.15 min Scan# 1201

Delta R.T. 0.00 min

Lab File: BF101590.D

Acq: 21 Dec 2017 5:39

Instrument :

BNA_F

ClientSampleId :

121517-TIDO-F-D-B

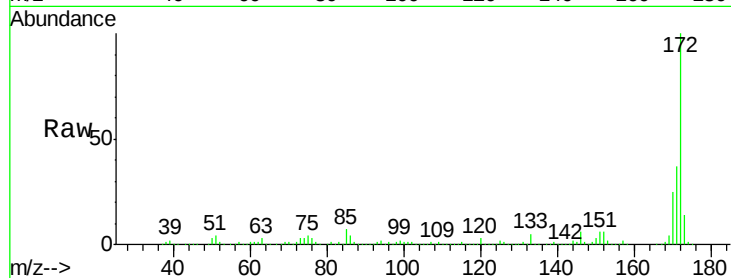
Tot Ion:172 Resp: 1305396

Ion Ratio Lower Upper

172 100

171 36.5 29.7 44.5

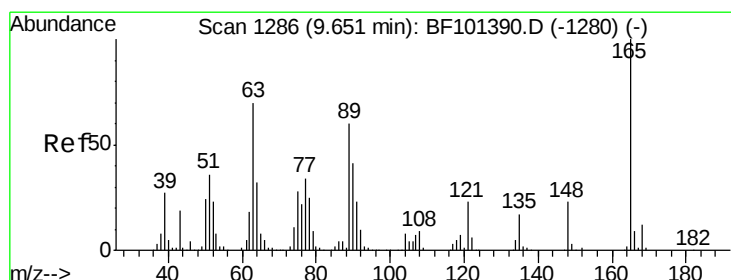
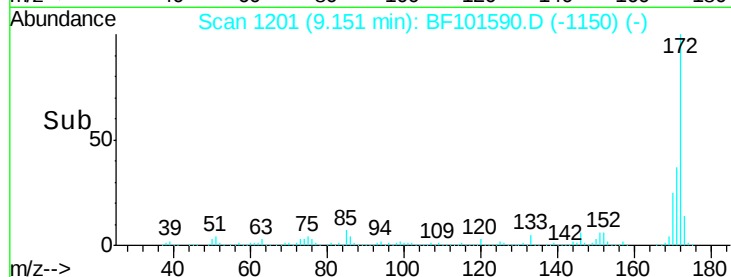
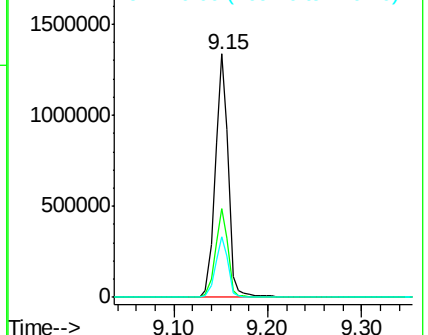
170 24.8 19.6 29.4



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: 7.594 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.20 min

Lab File: BF101590.D

Acq: 21 Dec 2017 5:39

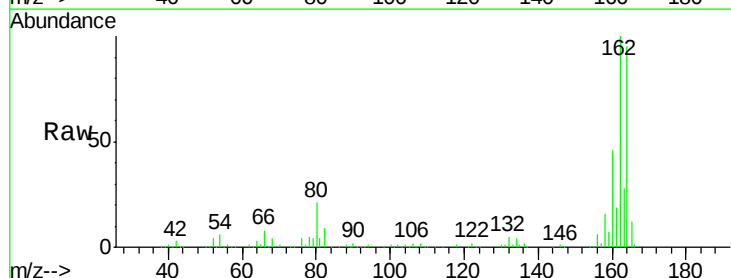
Tgt Ion:165 Resp: 26311

Ion Ratio Lower Upper

165 100

63 1.9 44.7 67.1#

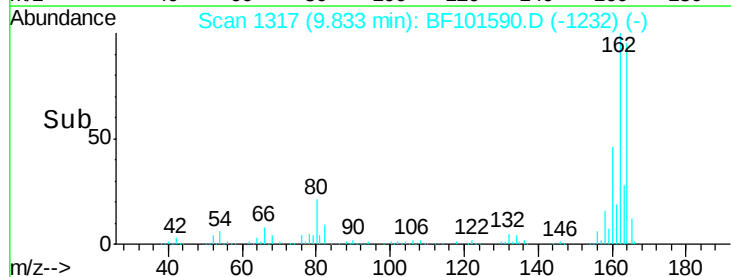
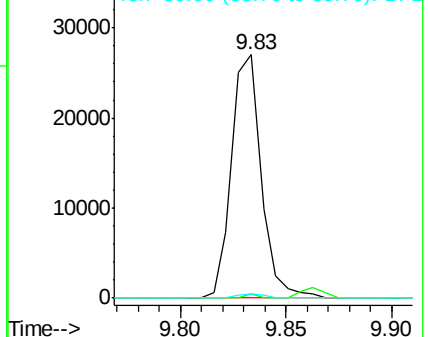
89 2.0 44.0 66.0#

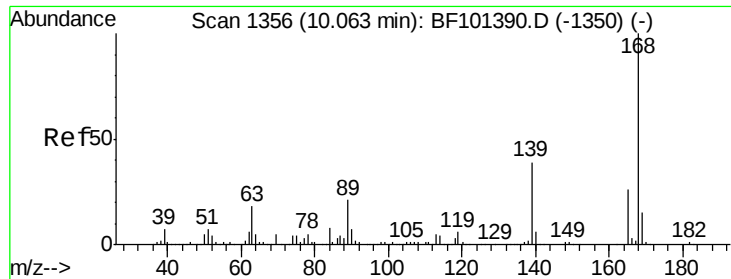


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

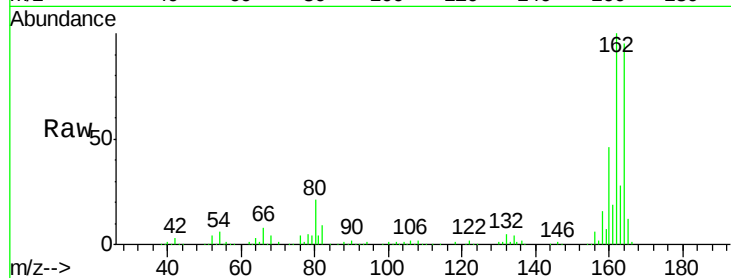




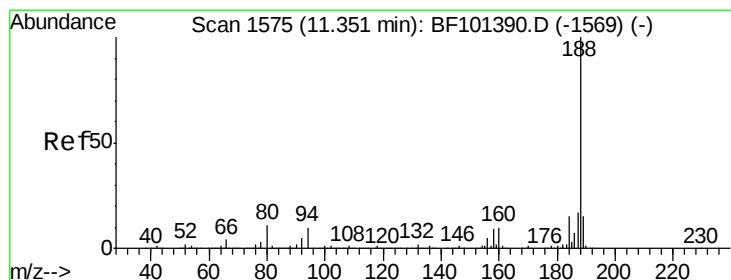
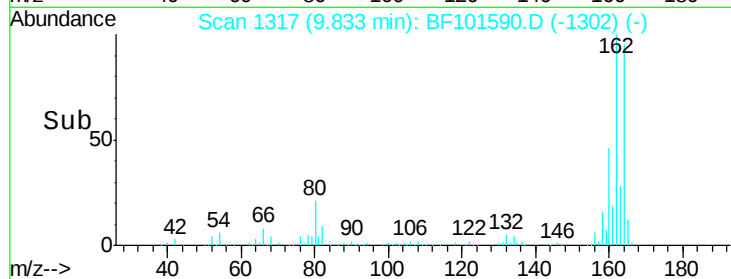
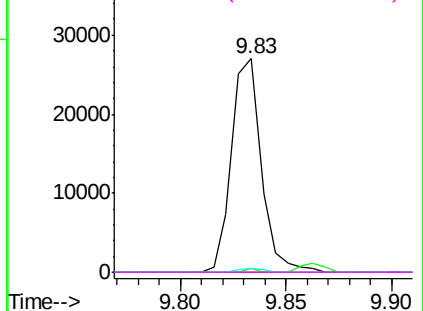
#56
 2,4-Dinitrotoluene
 Concen: 6.740 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.21 min
 Lab File: BF101590.D
 Acq: 21 Dec 2017 5:39

Instrument :
 BNA_F
 ClientSampleId :
 121517-TIDO-F-D-B

Tot Ion:165	Resp:	26311
Ion Ratio	Lower	Upper
165	100	
63	1.9	36.4 54.6#
89	2.0	57.8 86.6#
182	0.0	1.6 2.4#

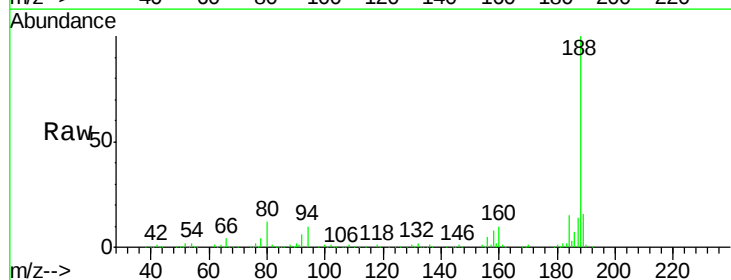


Abundance Ion 165.00 (164.70 to 165.70): E

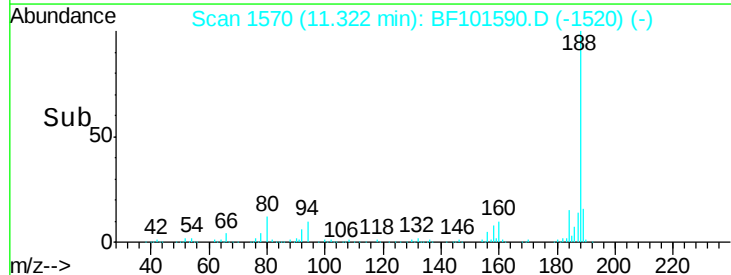
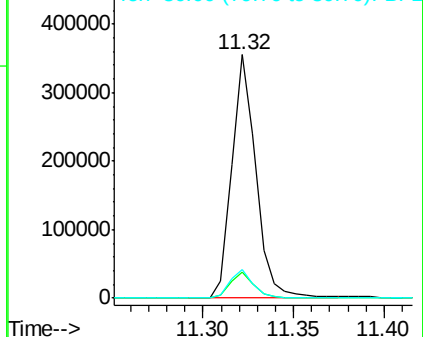


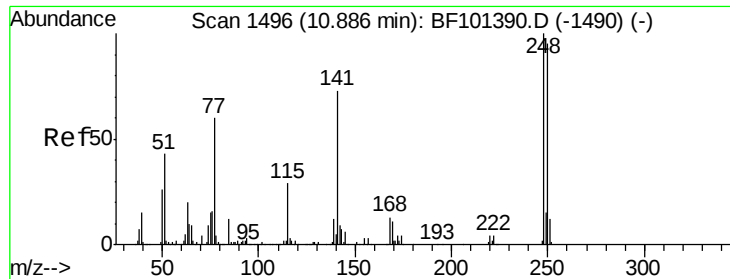
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF101590.D
 Acq: 21 Dec 2017 5:39

Tgt Ion:188	Resp:	329985
Ion Ratio	Lower	Upper
188	100	
94	10.4	8.5 12.7
80	11.7	9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

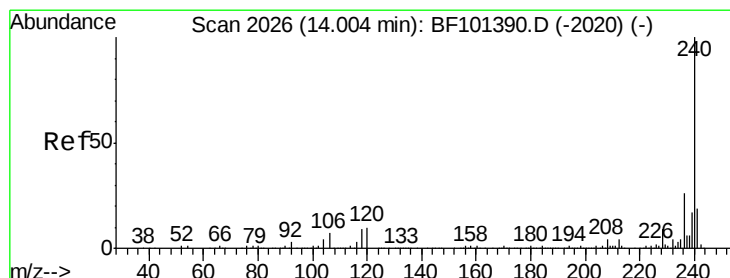
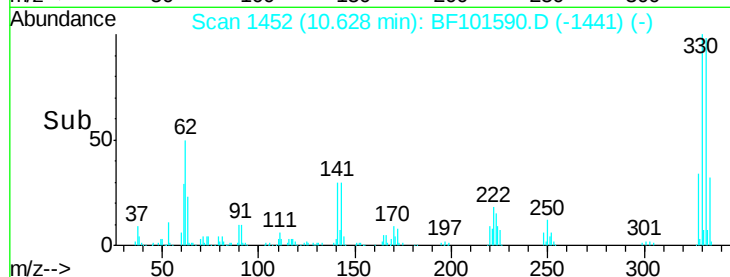
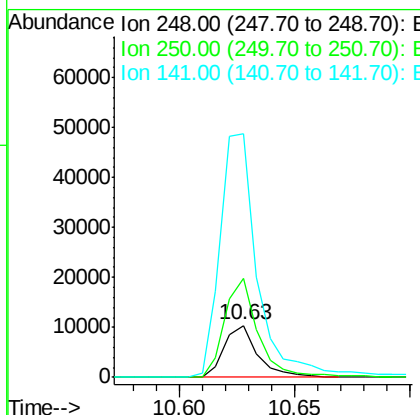
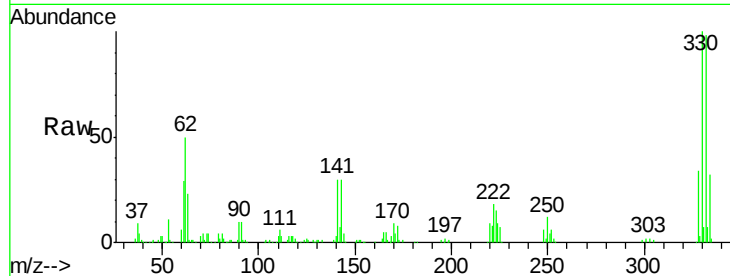




#66
 4-Bromophenyl-phenylether
 Concen: 2.803 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF101590.D
 Acq: 21 Dec 2017 5:39

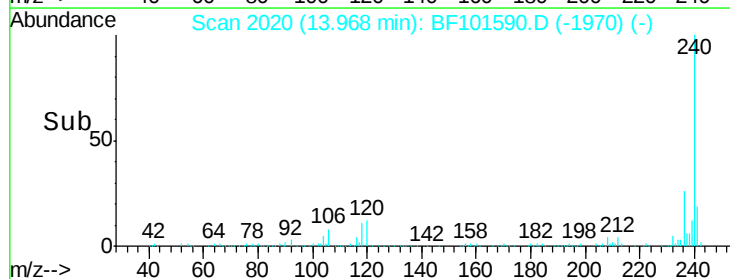
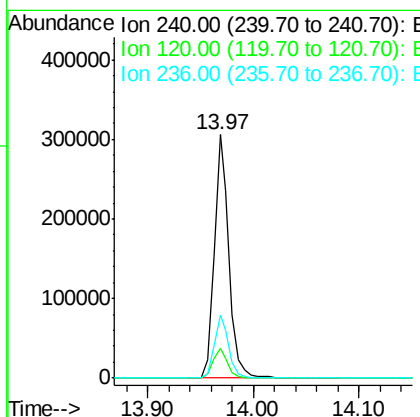
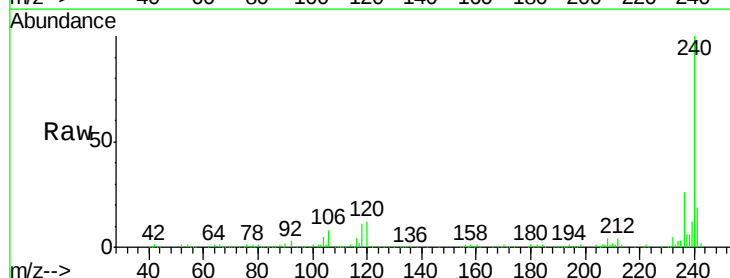
Instrument :
 BNA_F
 ClientSampleId :
 121517-TIDO-F-D-B

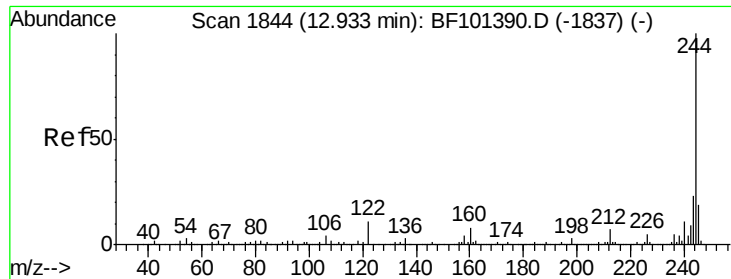
Tot Ion	Ratio	Lower	Upper
248	100		
250	190.9	76.9	115.3#
141	471.0	74.4	111.6#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF101590.D
 Acq: 21 Dec 2017 5:39

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.5	9.5	14.3
236	26.0	20.7	31.1

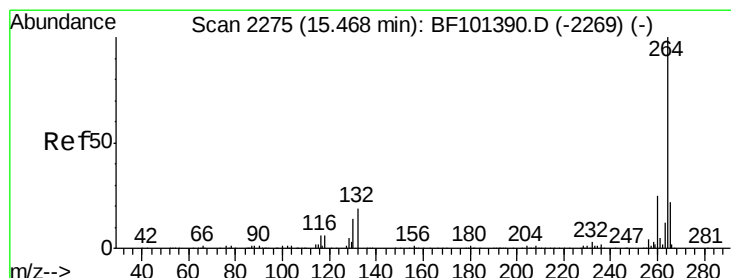
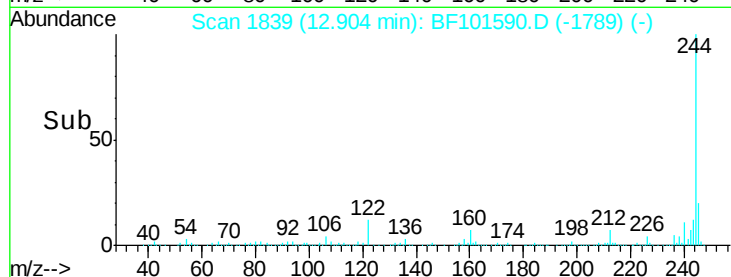
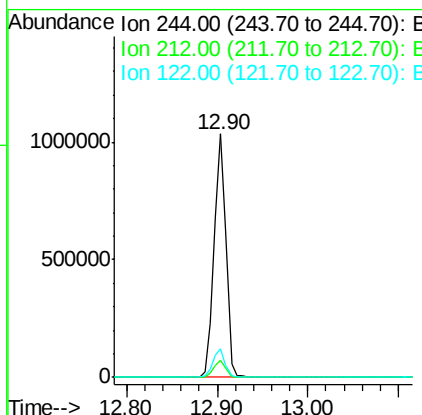
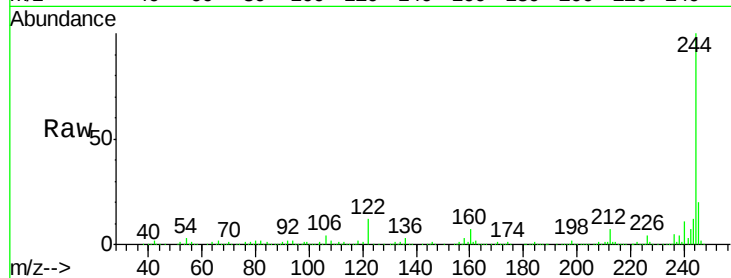




#78
 Terphenyl-d14
 Concen: 76.340 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF101590.D
 Acq: 21 Dec 2017 5:39

Instrument :
 BNA_F
 ClientSampleId :
 121517-TIDO-F-D-B

Tot Ion:244 Resp: 945305
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.0
 122 11.8 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. 0.00 min
 Lab File: BF101590.D
 Acq: 21 Dec 2017 5:39

Tgt Ion:264 Resp: 324392
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.2 28.8
 265 21.0 17.5 26.3

