

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031618\
 Data File : BF103730.D
 Acq On : 17 Mar 2018 9:00
 Operator : JU/SJ
 Sample : J1947-03
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 19 07:01:29 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	184181	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	730206	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	307756	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	455299	20.00	ng	0.00
75) Chrysene-d12	14.16	240	339438	20.00	ng	0.00
86) Perylene-d12	15.70	264	258893	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1468445	121.27	ng	0.02
7) Phenol-d6	6.60	99	1837252	124.01	ng	0.01
23) Nitrobenzene-d5	7.54	82	1096660	104.73	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	327747	123.86	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1594770	82.66	ng	0.00
78) Terphenyl-d14	13.09	244	1159868	79.31	ng	0.00

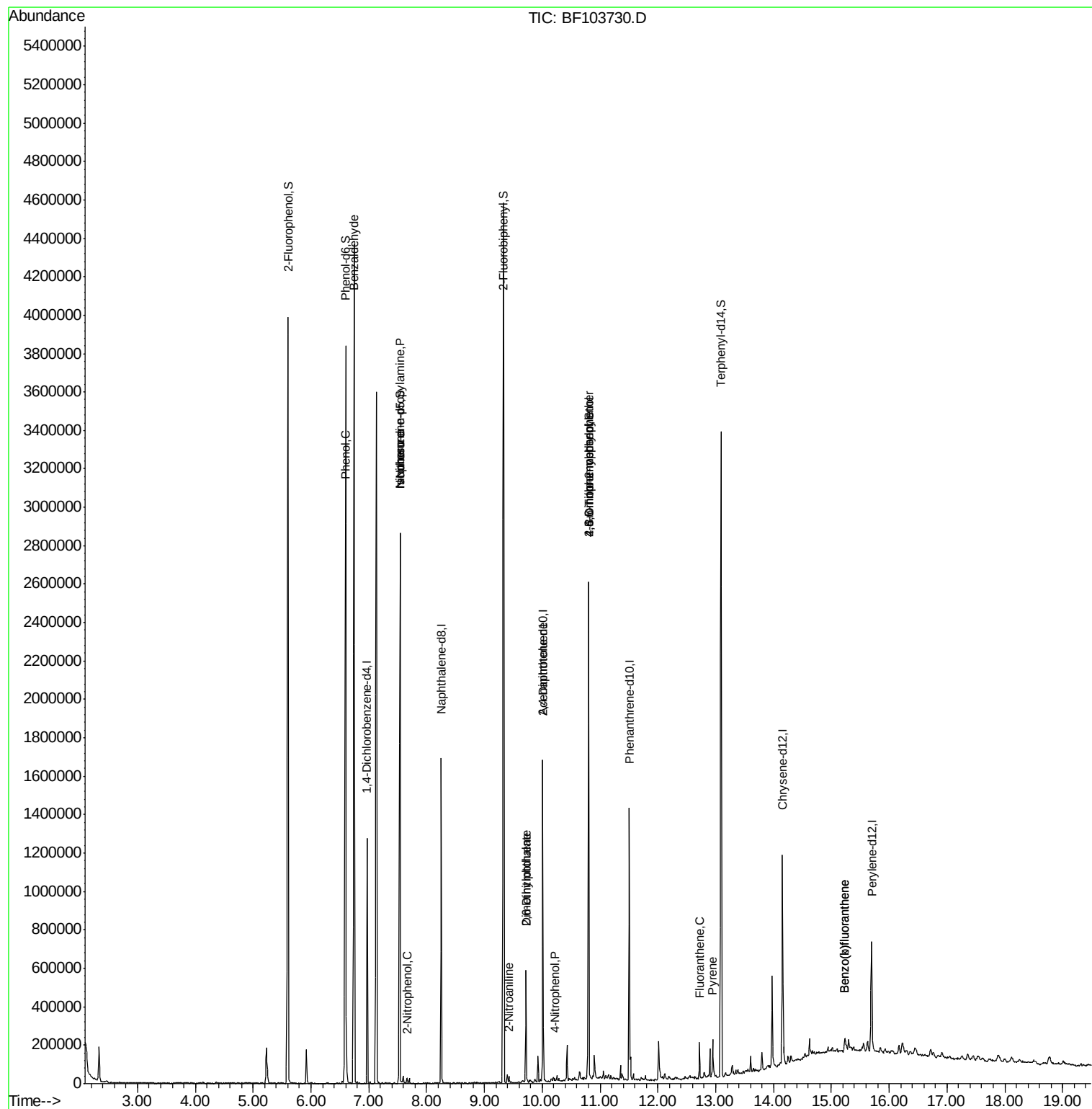
Target Compounds				Qvalue		
9) Benzaldehyde	6.75	77	31728	3.260	ng	84
10) Phenol	6.61	94	51321	3.260	ng	95
19) n-Nitroso-di-n-propylamine	7.54	70	143504	15.115	ng	# 74
25) Isophorone	7.54	82	1096831	45.249	ng	# 64
26) 2-Nitrophenol	7.66	139	301	9.498	ng	# 1
47) 2-Nitroaniline	9.43	65	129	6.835	ng	# 2
49) Dimethylphthalate	9.72	163	184363	7.852	ng	99
50) 2,6-Dinitrotoluene	9.72	165	1854	4.358	ng	# 17
55) 4-Nitrophenol	10.22	139	670	5.116	ng	# 40
56) 2,4-Dinitrotoluene	10.01	165	39339	12.165	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	710	8.584	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	19650	4.203	ng	# 1
74) Fluoranthene	12.72	202	63514	2.475	ng	96
77) Pyrene	12.95	202	66469	2.666	ng	99
87) Benzo(b)fluoranthene	15.23	252	45094	2.757	ng	# 85
88) Benzo(k)fluoranthene	15.23	252	45094	2.868	ng	# 88

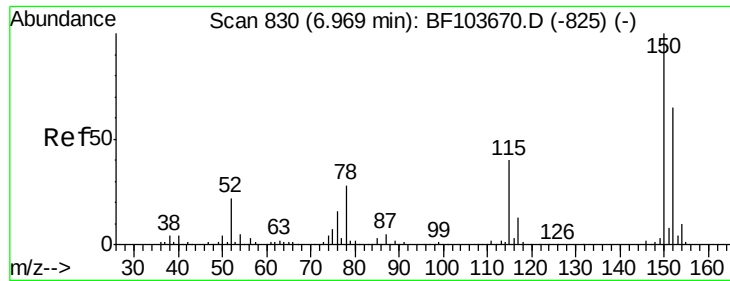
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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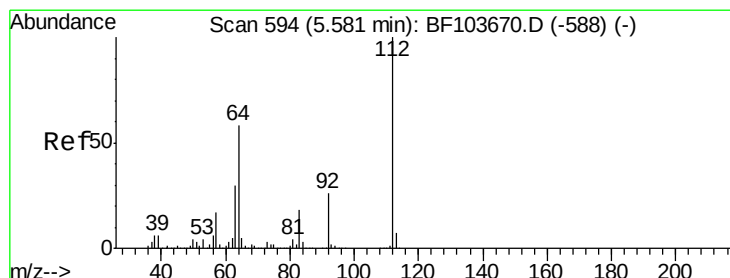
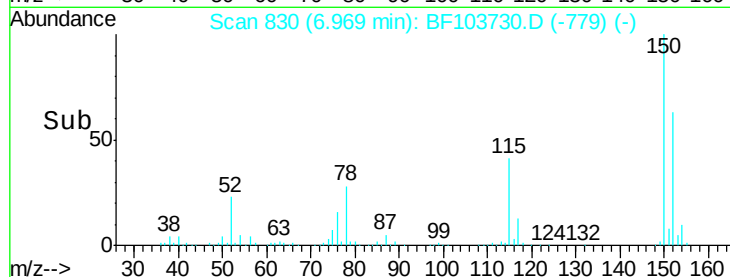
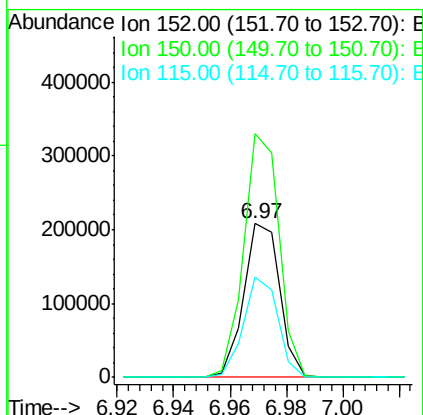
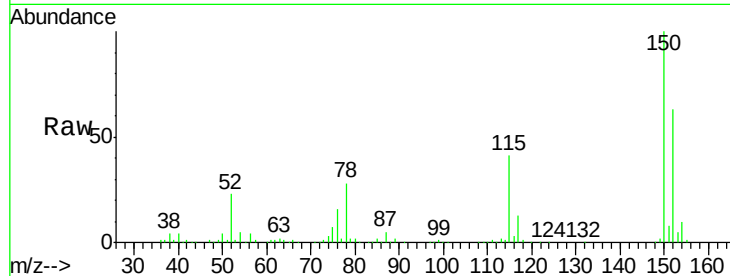


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF103730.D
Acq: 17 Mar 2018 9:00

Instrument :
BNA_F
ClientSampleId :

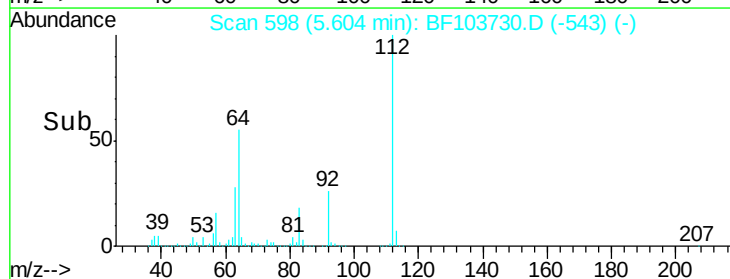
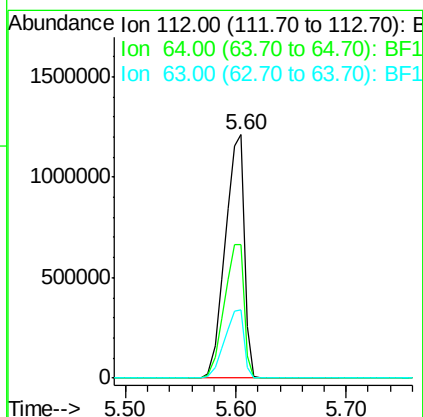
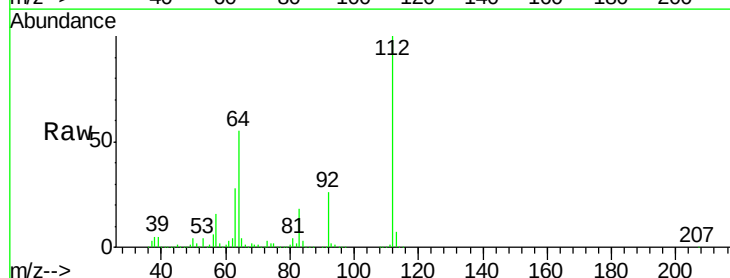
Tot Ion:152 Resp: 184181
Ion Ratio Lower Upper
152 100
150 158.1 124.6 186.8
115 65.5 50.1 75.1

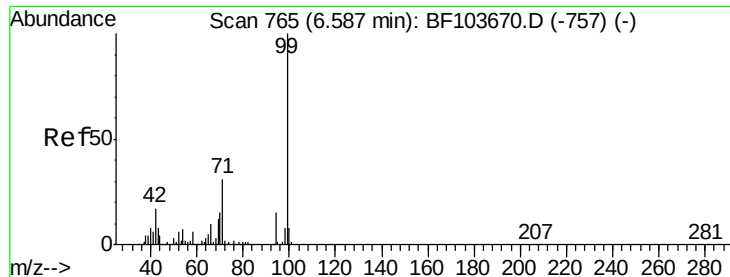


#5

2-Fluorophenol
Concen: 121.266 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.02 min
Lab File: BF103730.D
Acq: 17 Mar 2018 9:00

Tgt Ion:112 Resp: 1468445
Ion Ratio Lower Upper
112 100
64 55.0 47.9 71.9
63 28.1 23.7 35.5





#7

Phenol-d6

Concen: 124.015 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103730.D

Acq: 17 Mar 2018 9:00

Instrument :

BNA_F

ClientSampleId :

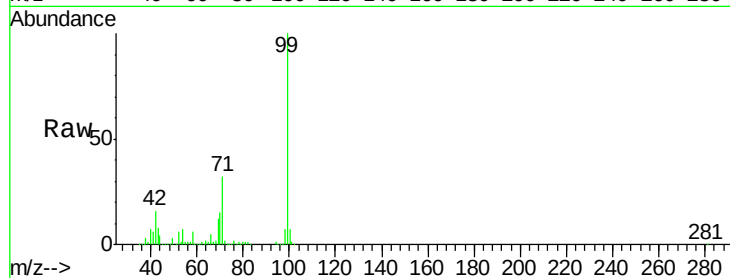
Tot Ion: 99 Resp: 1837252

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

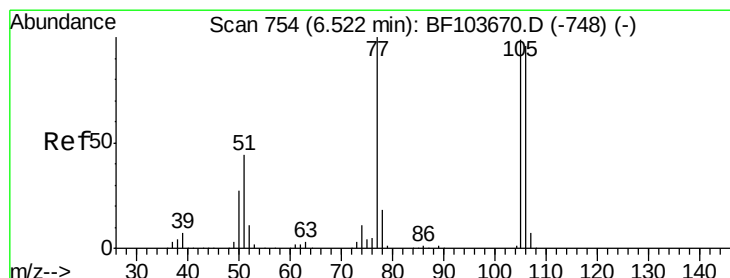
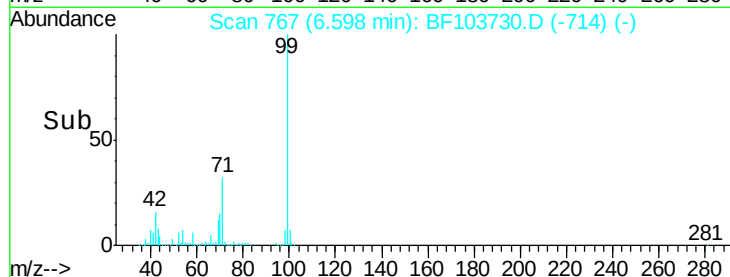
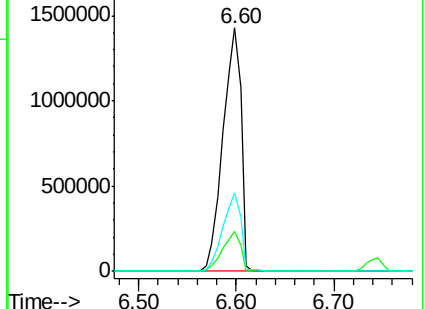
71 32.4 25.4 38.0



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: 3.260 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.22 min

Lab File: BF103730.D

Acq: 17 Mar 2018 9:00

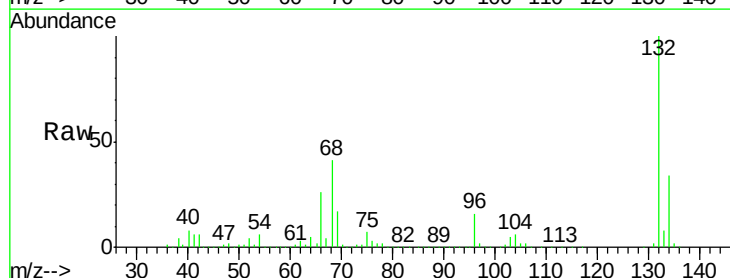
Tgt Ion: 77 Resp: 31728

Ion Ratio Lower Upper

77 100

105 82.2 81.1 121.1

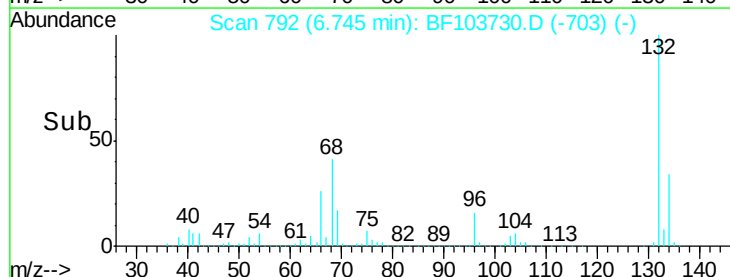
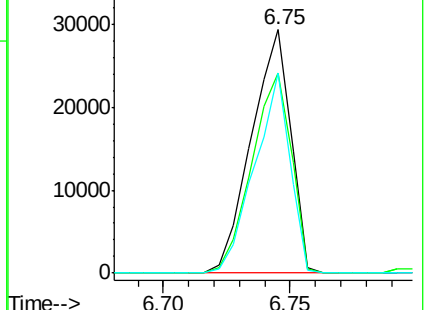
106 82.3 74.5 114.5

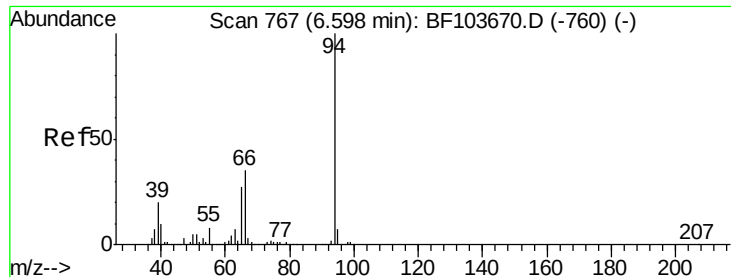


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

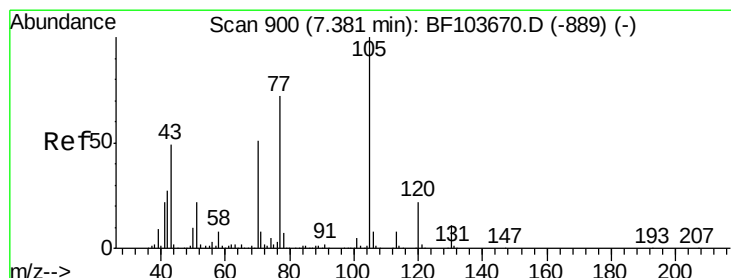
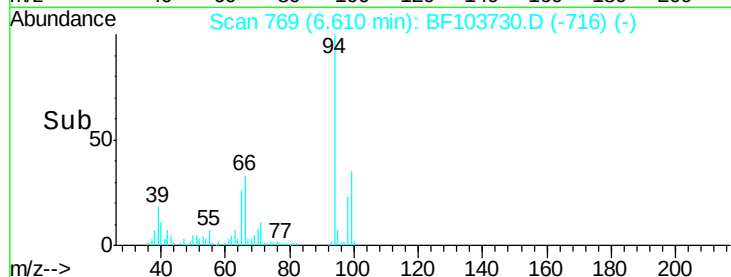
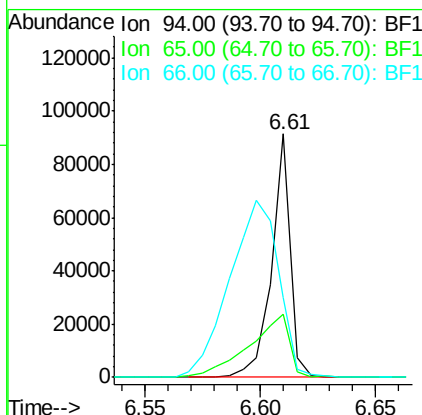
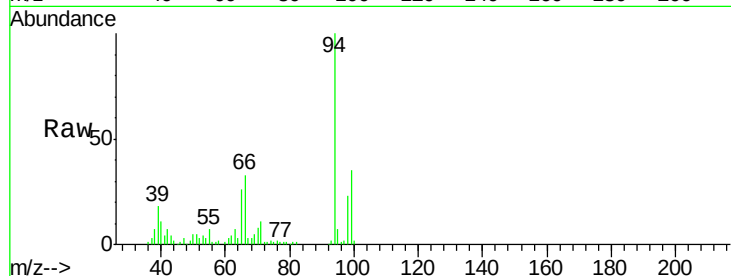




#10
Phenol
Concen: 3.260 ng
RT: 6.61 min Scan# 769
Delta R.T. 0.01 min
Lab File: BF103730.D
Acq: 17 Mar 2018 9:00

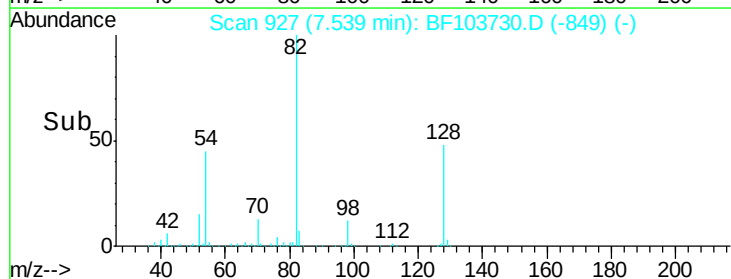
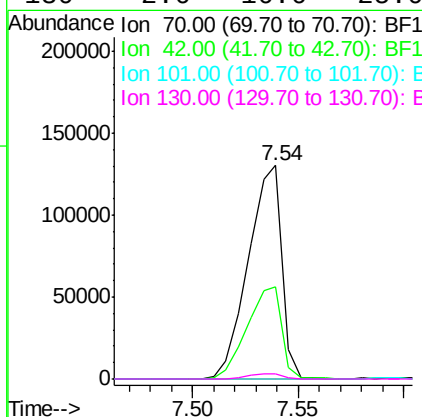
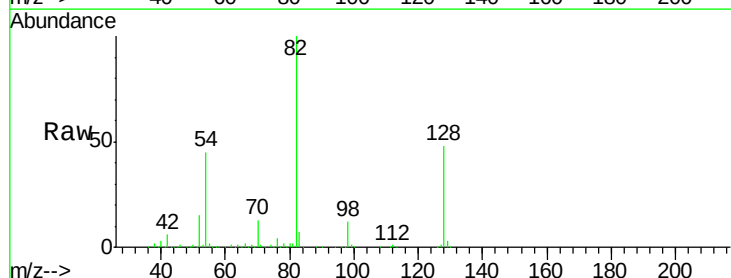
Instrument :
BNA_F
ClientSampleId :

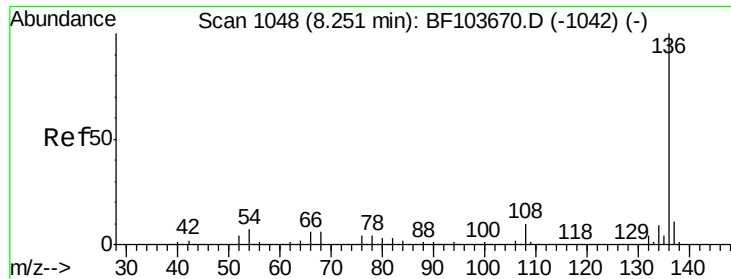
Tot Ion: 94 Resp: 51321
Ion Ratio Lower Upper
94 100
65 26.0 7.9 47.9
66 32.7 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 15.115 ng
RT: 7.54 min Scan# 927
Delta R.T. 0.16 min
Lab File: BF103730.D
Acq: 17 Mar 2018 9:00

Tgt Ion: 70 Resp: 143504
Ion Ratio Lower Upper
70 100
42 43.0 47.5 71.3#
101 0.0 7.4 11.2#
130 2.6 16.6 25.0#

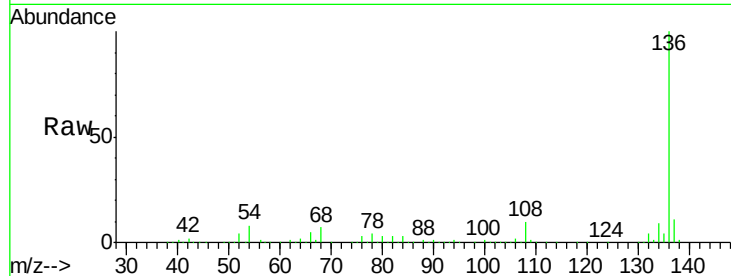




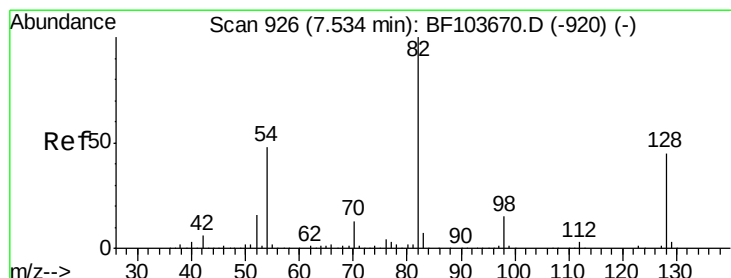
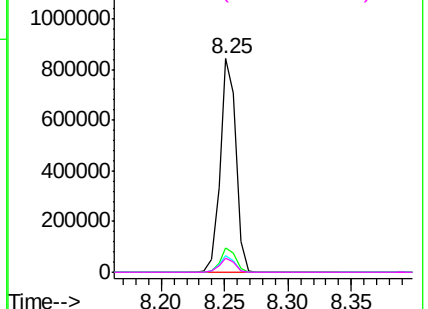
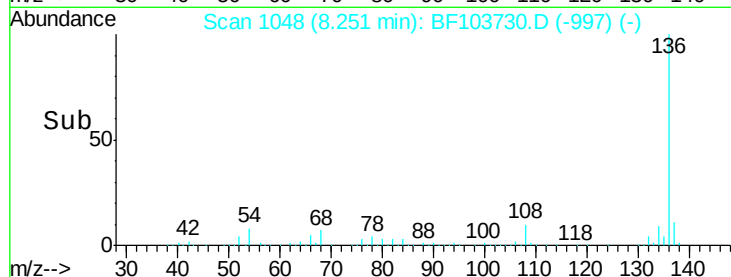
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BF103730.D
Acq: 17 Mar 2018 9:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	730206
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.9 13.3
54	7.6	6.6 9.8
68	6.7	5.0 7.4

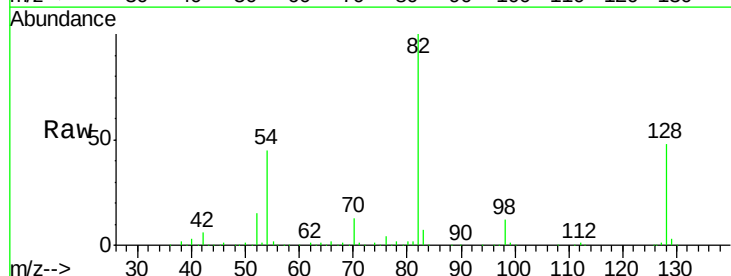


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

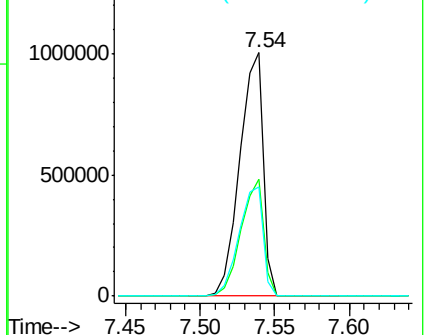
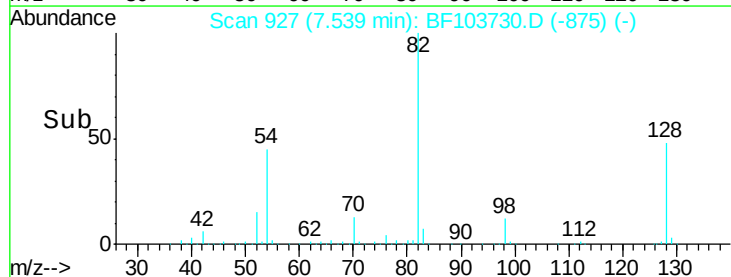


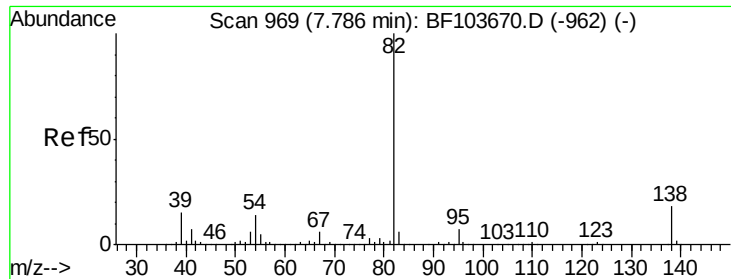
#23
Nitrobenzene-d5
Concen: 104.733 ng
RT: 7.54 min Scan# 927
Delta R.T. 0.01 min
Lab File: BF103730.D
Acq: 17 Mar 2018 9:00

Tgt Ion: 82	Resp:	1096660
Ion Ratio	Lower	Upper
82	100	
128	48.0	36.1 54.1
54	45.0	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: 45.249 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.25 min

Lab File: BF103730.D

Acq: 17 Mar 2018 9:00

Instrument :

BNA_F

ClientSampled :

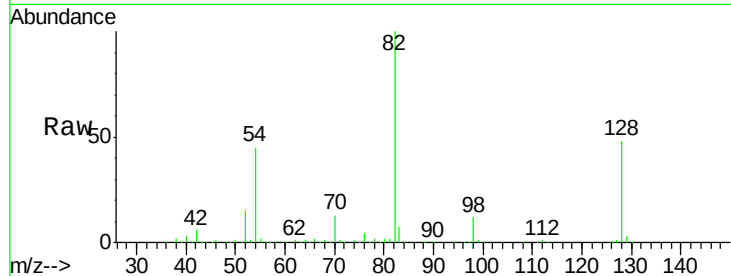
Tot Ion: 82 Resp: 1096831

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

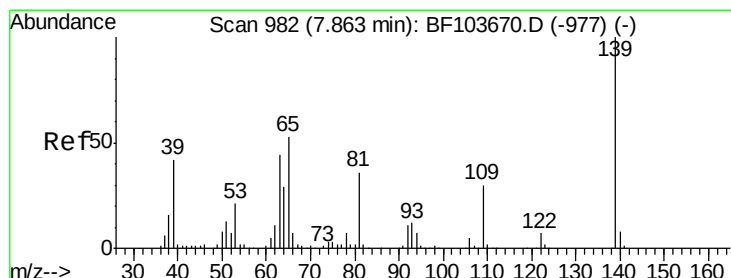
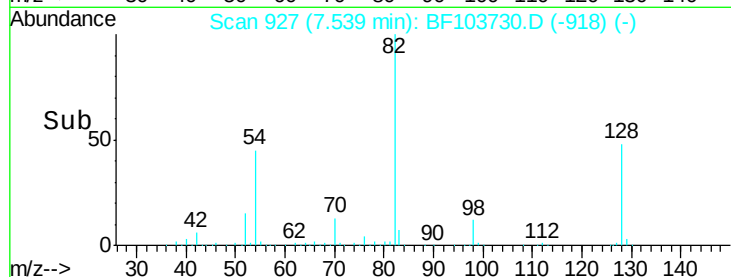
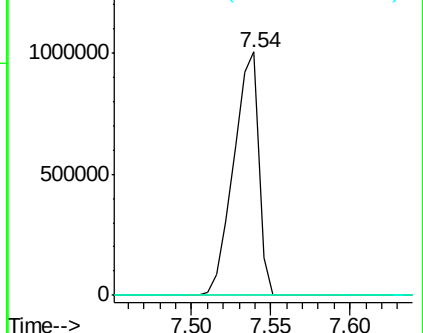
138 0.0 14.9 22.3#



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



#26

2-Nitrophenol

Concen: 9.498 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.20 min

Lab File: BF103730.D

Acq: 17 Mar 2018 9:00

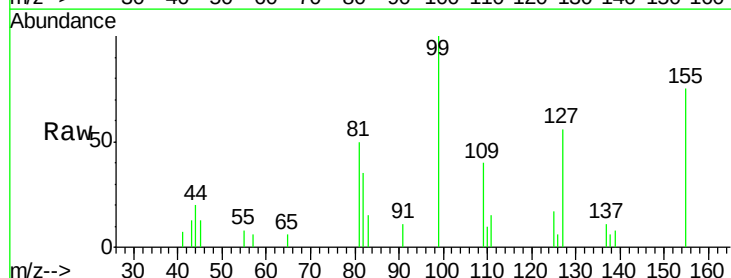
Tgt Ion: 139 Resp: 301

Ion Ratio Lower Upper

139 100

109 493.7 22.7 34.1#

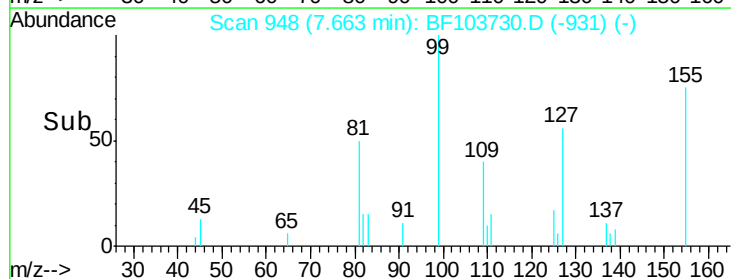
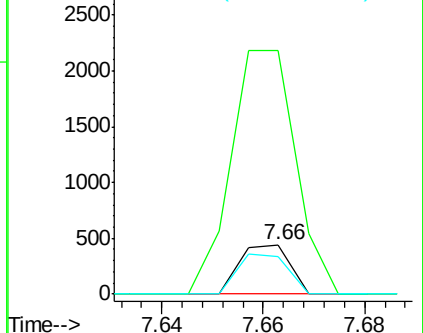
65 76.2 40.5 60.7#

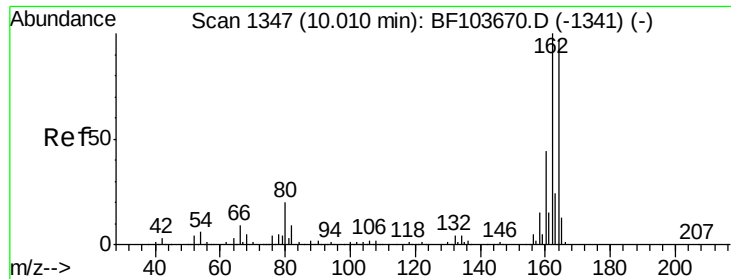


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

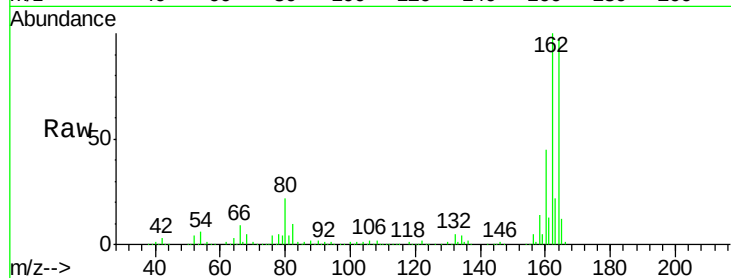




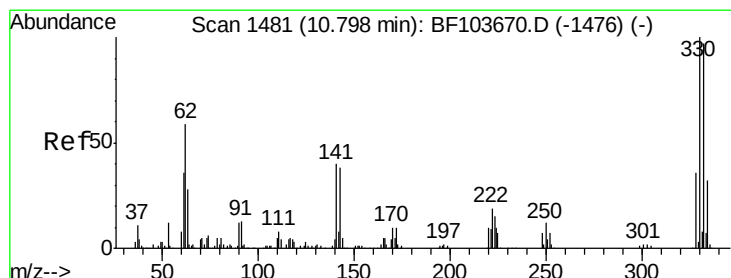
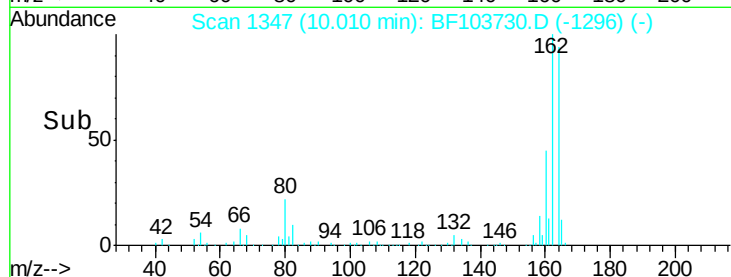
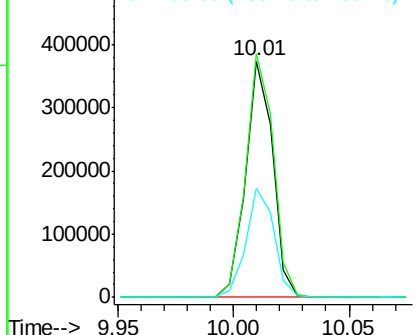
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: BF103730.D
 Acq: 17 Mar 2018 9:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 307756
 Ion Ratio Lower Upper
 164 100
 162 103.0 86.1 129.1
 160 46.0 38.3 57.5

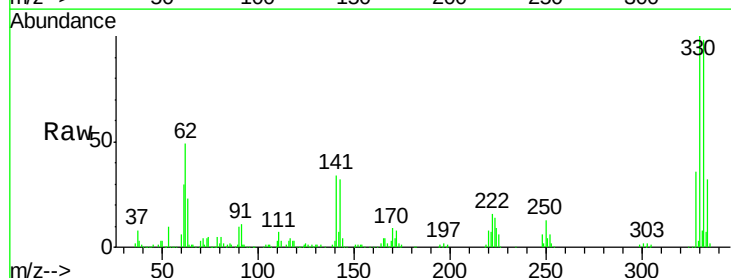


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

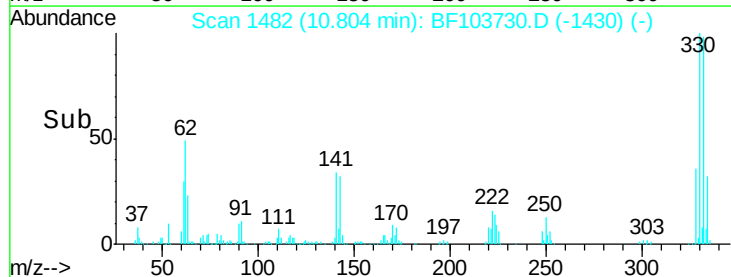
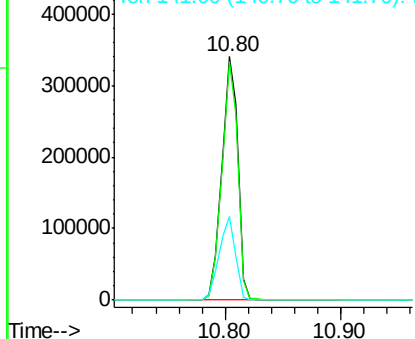


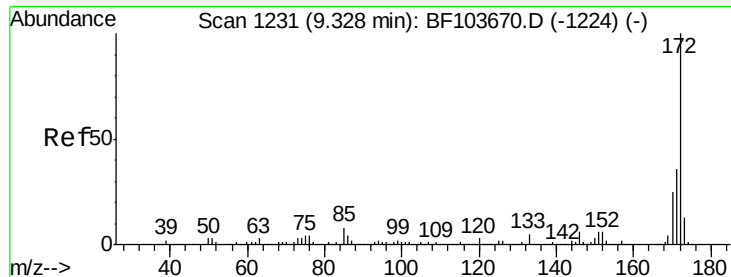
#41
 2,4,6-Tribromophenol
 Concen: 123.860 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: BF103730.D
 Acq: 17 Mar 2018 9:00

Tgt Ion:330 Resp: 327747
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.0 115.6
 141 34.9 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



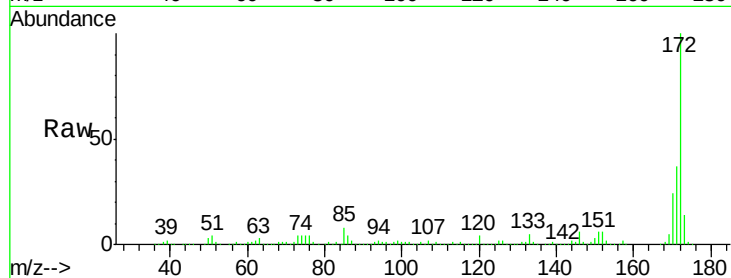


#44
 2-Fluorobiphenyl
 Concen: 82.660 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF103730.D
 Acq: 17 Mar 2018 9:00

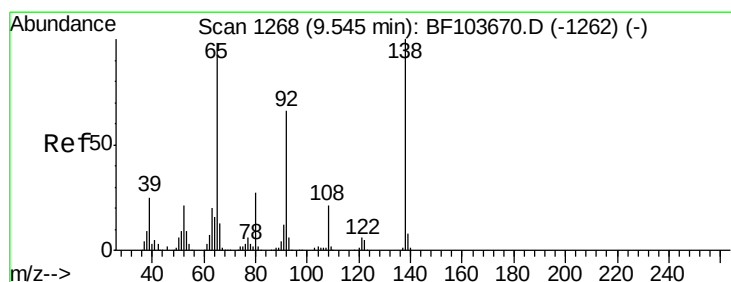
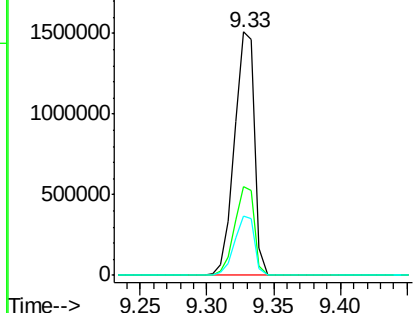
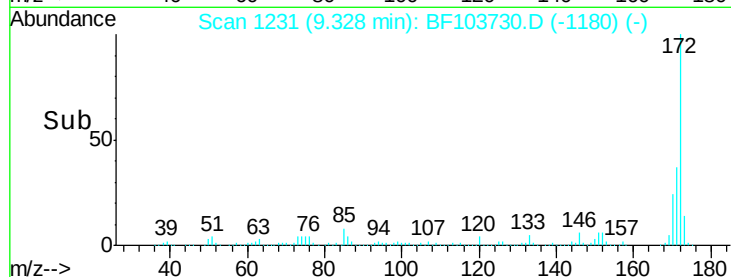
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1594770

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.4	19.6	29.4



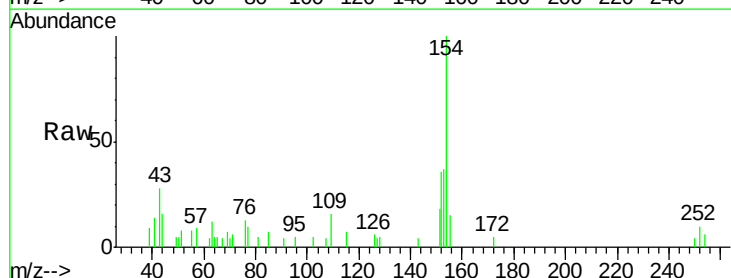
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



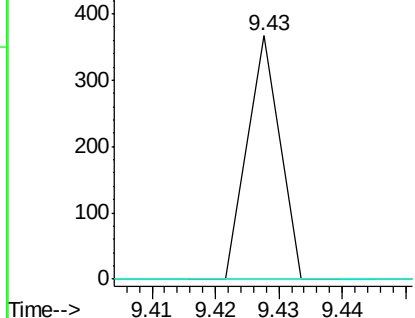
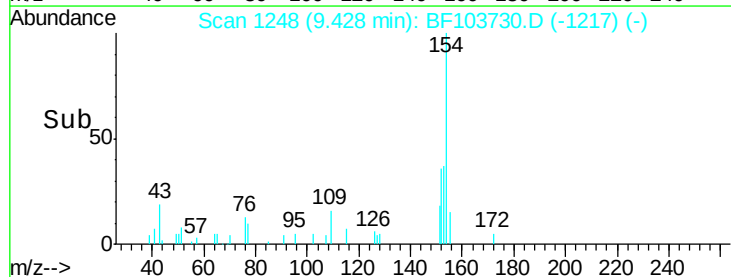
#47
 2-Nitroaniline
 Concen: 6.835 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. -0.12 min
 Lab File: BF103730.D
 Acq: 17 Mar 2018 9:00

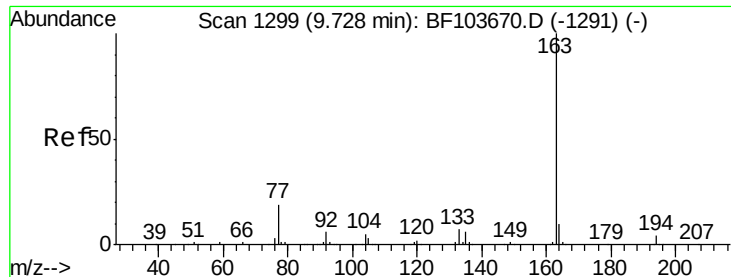
Tgt Ion: 65 Resp: 129

Ion	Ratio	Lower	Upper
65	100		
92	0.0	55.8	83.6#
138	0.0	91.2	136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E

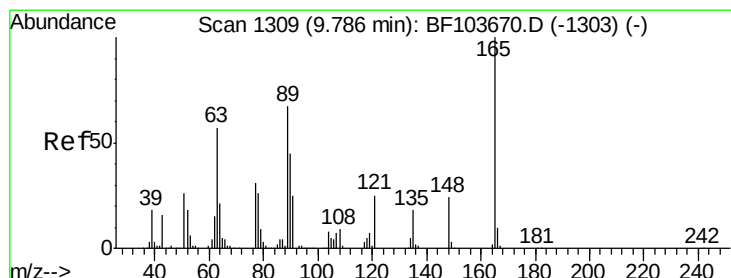
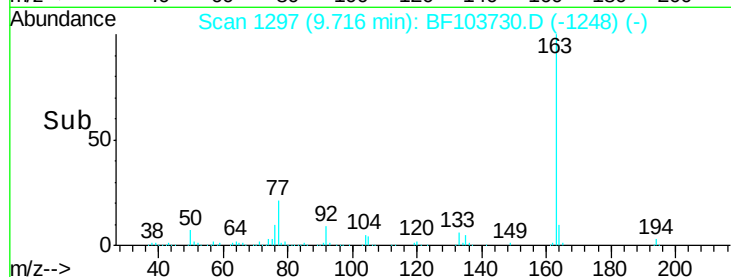
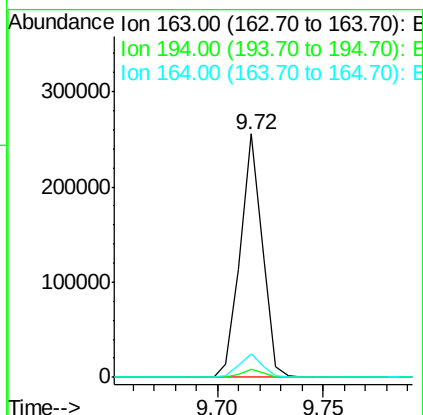
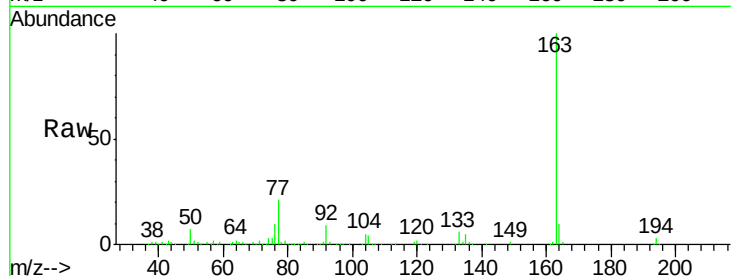




#49
Dimethylphthalate
Concen: 7.852 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF103730.D
Acq: 17 Mar 2018 9:00

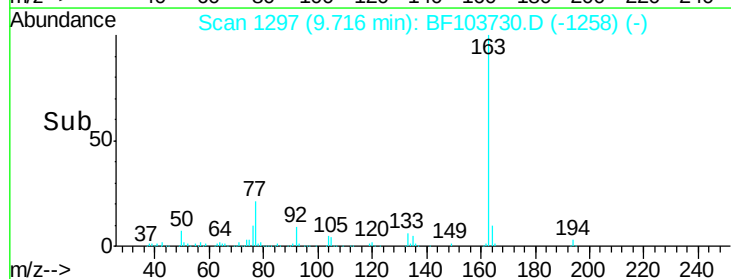
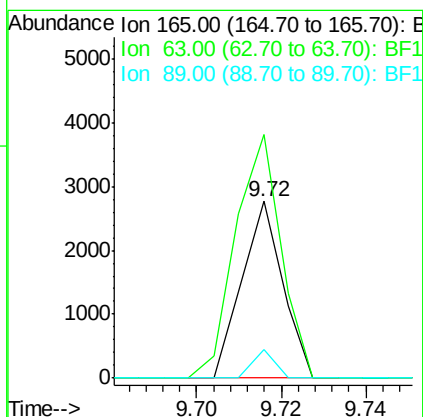
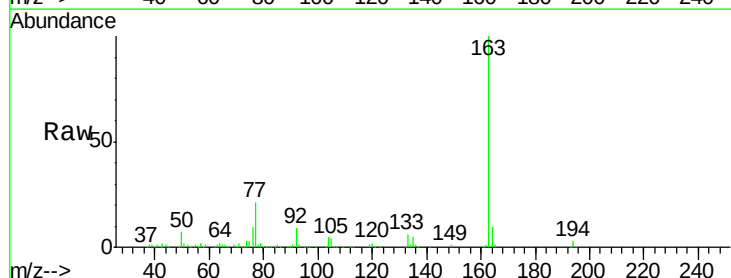
Instrument :
BNA_F
ClientSampleId :

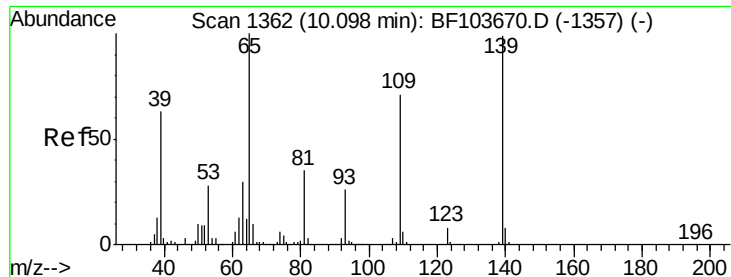
Tot Ion:163 Resp: 184363
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 9.8 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 4.358 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.07 min
Lab File: BF103730.D
Acq: 17 Mar 2018 9:00

Tgt Ion:165 Resp: 1854
Ion Ratio Lower Upper
165 100
63 137.6 44.7 67.1#
89 15.9 44.0 66.0#

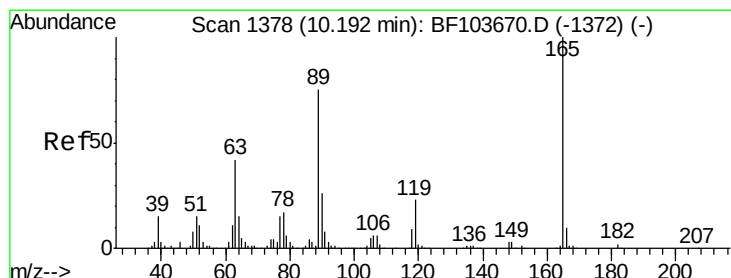
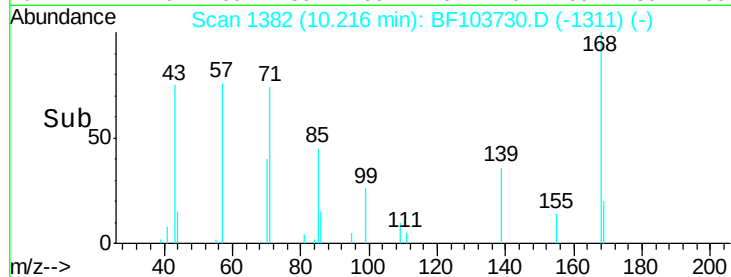
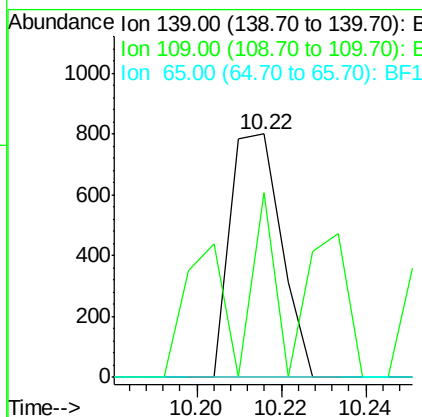
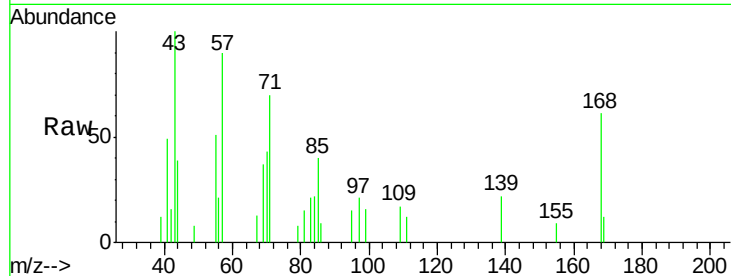




#55
4-Nitrophenol
Concen: 5.116 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.12 min
Lab File: BF103730.D
Acq: 17 Mar 2018 9:00

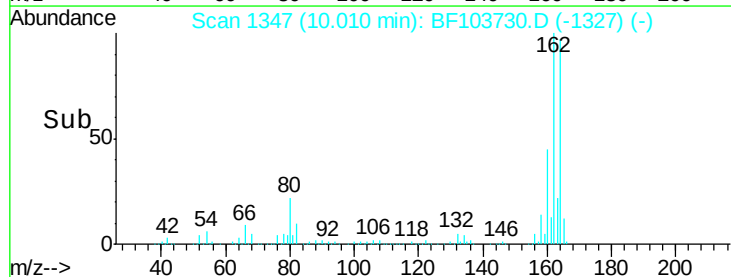
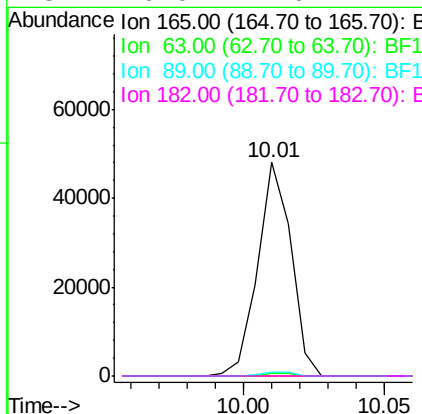
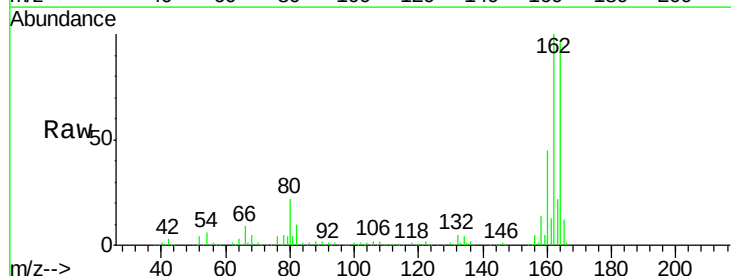
Instrument :
BNA_F
ClientSampleId :

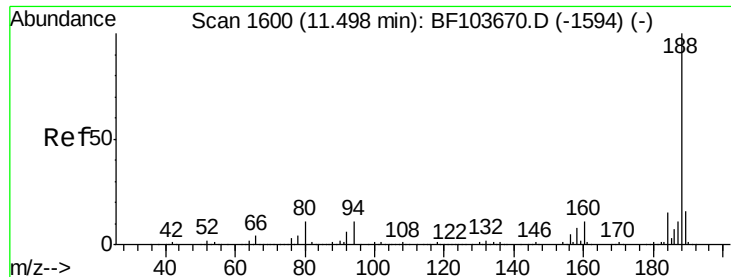
Tot Ion:139 Resp: 670
Ion Ratio Lower Upper
139 100
109 76.0 48.4 88.4
65 0.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 12.165 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.18 min
Lab File: BF103730.D
Acq: 17 Mar 2018 9:00

Tgt Ion:165 Resp: 39339
Ion Ratio Lower Upper
165 100
63 1.1 36.4 54.6#
89 1.8 57.8 86.6#
182 0.0 1.6 2.4#

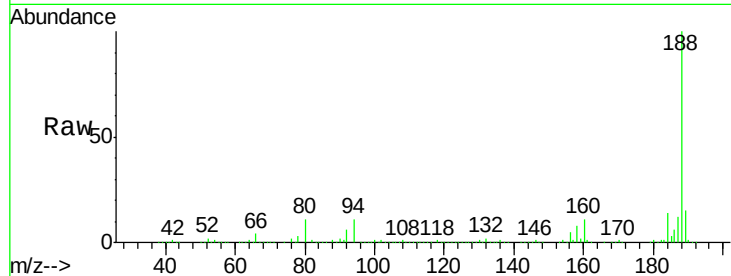




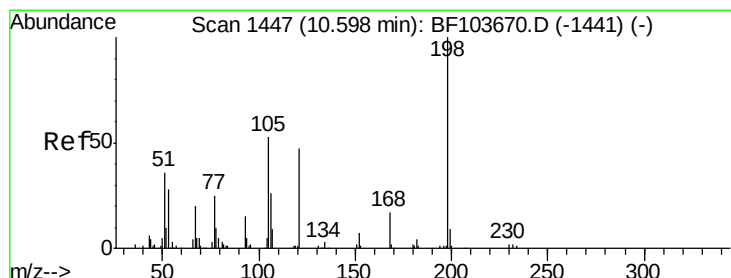
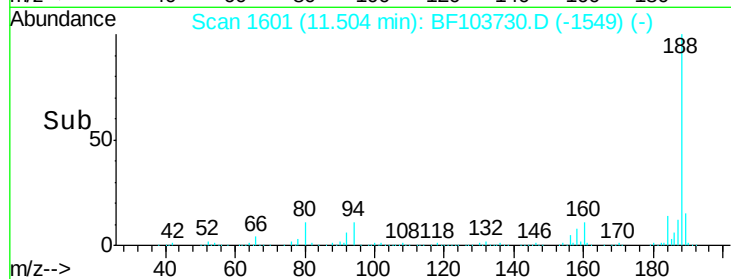
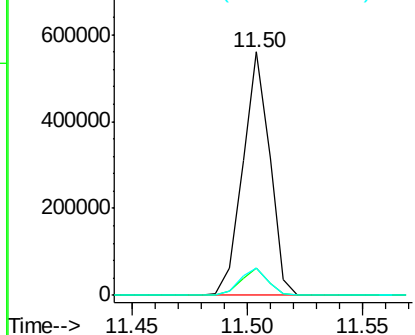
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103730.D
 Acq: 17 Mar 2018 9:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 455299
 Ion Ratio Lower Upper
 188 100
 94 11.1 8.5 12.7
 80 11.5 9.2 13.8

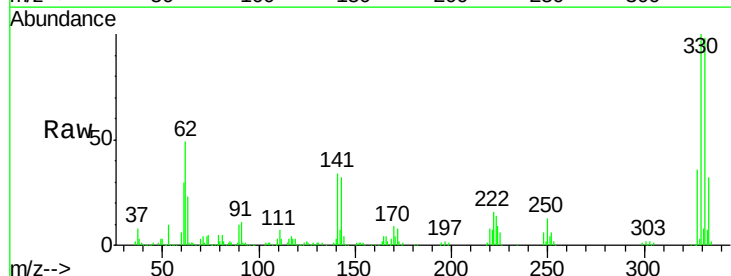


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

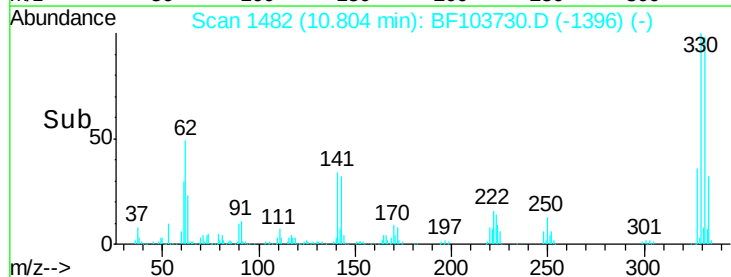
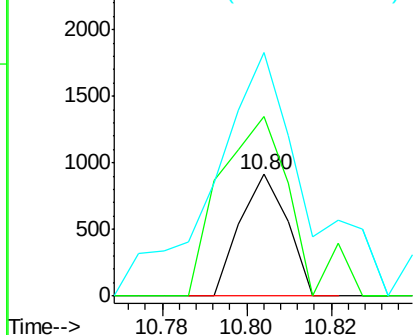


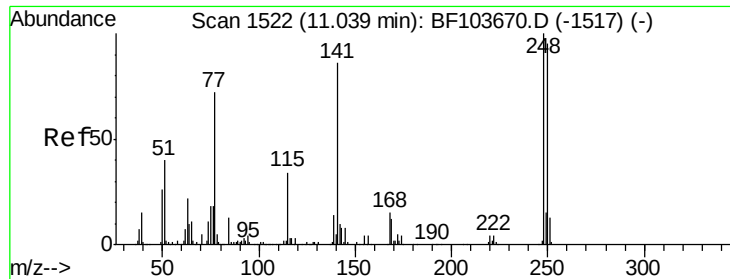
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.584 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.21 min
 Lab File: BF103730.D
 Acq: 17 Mar 2018 9:00

Tgt Ion:198 Resp: 710
 Ion Ratio Lower Upper
 198 100
 51 146.9 37.7 77.7#
 105 199.7 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

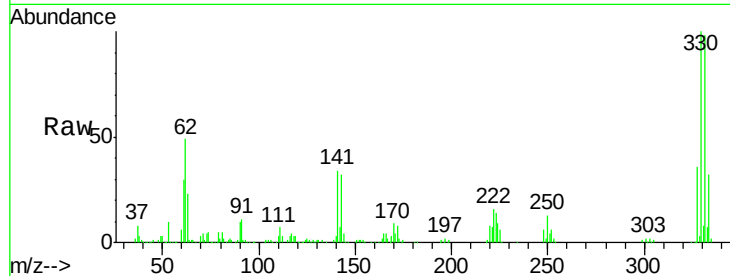




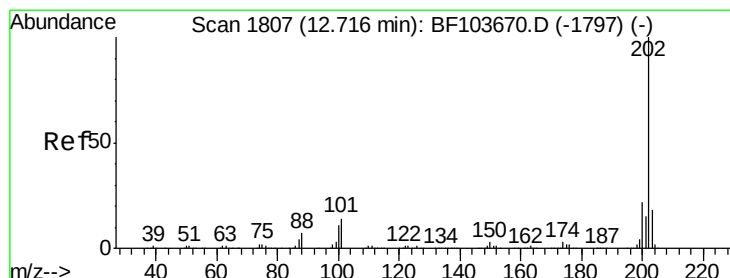
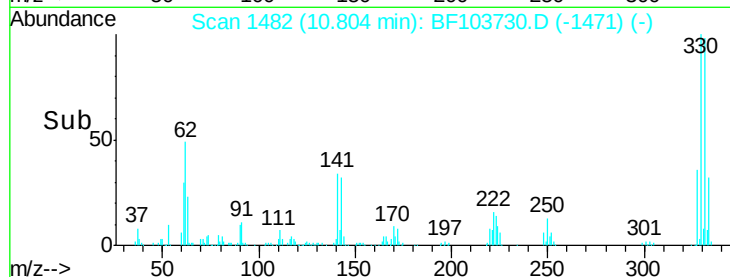
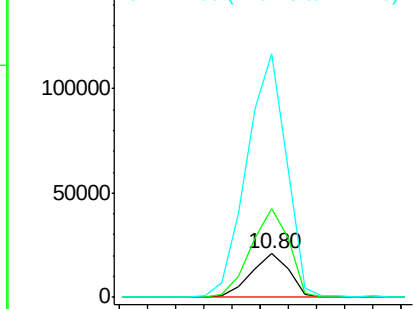
#66
4-Bromophenyl-phenylether
Concen: 4.203 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.24 min
Lab File: BF103730.D
Acq: 17 Mar 2018 9:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 19650
Ion Ratio Lower Upper
248 100
250 203.3 76.9 115.3#
141 555.3 74.4 111.6#

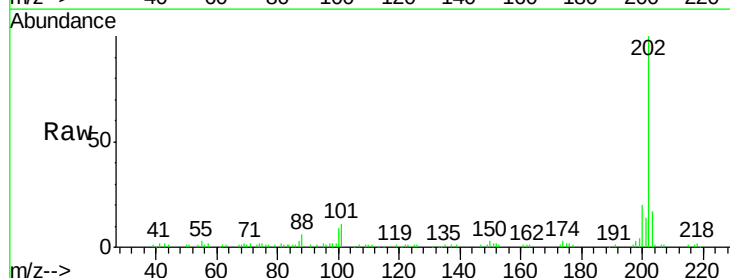


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

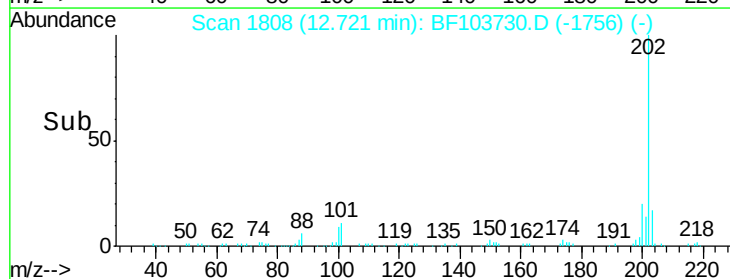
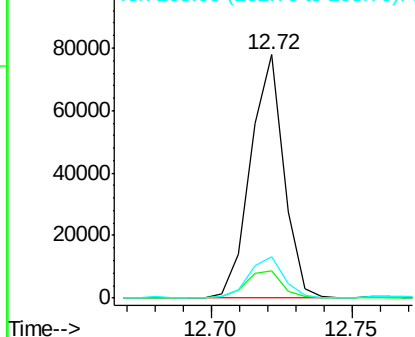


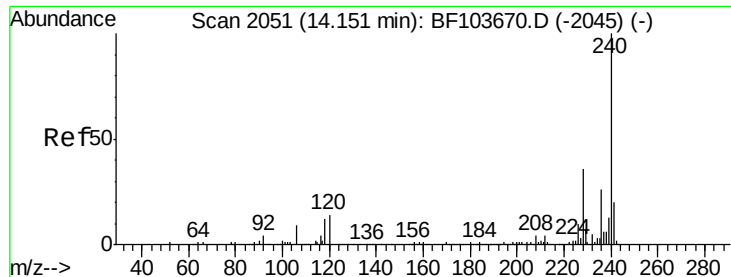
#74
Fluoranthene
Concen: 2.475 ng
RT: 12.72 min Scan# 1808
Delta R.T. 0.01 min
Lab File: BF103730.D
Acq: 17 Mar 2018 9:00

Tgt Ion:202 Resp: 63514
Ion Ratio Lower Upper
202 100
101 11.4 0.0 34.1
203 17.2 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. 0.01 min

Lab File: BF103730.D

Acq: 17 Mar 2018 9:00

Instrument :

BNA_F

ClientSampled :

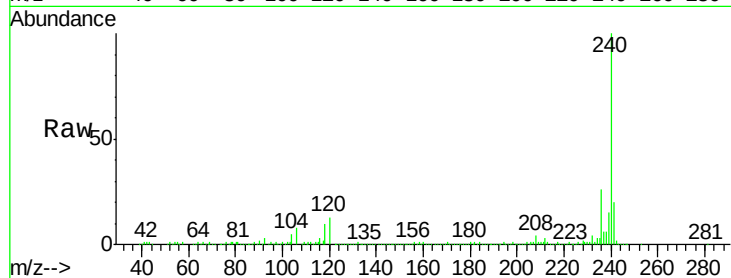
Tot Ion:240 Resp: 339438

Ion Ratio Lower Upper

240 100

120 12.6 9.5 14.3

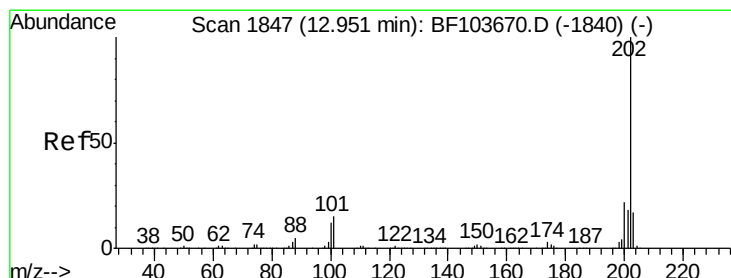
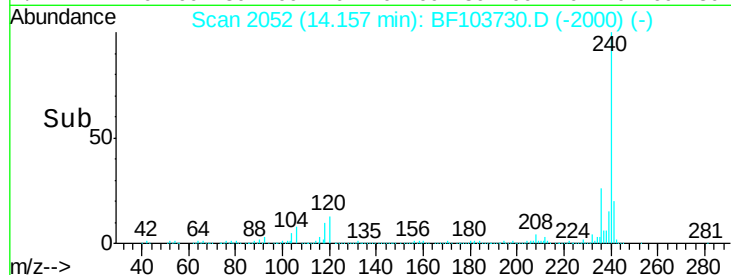
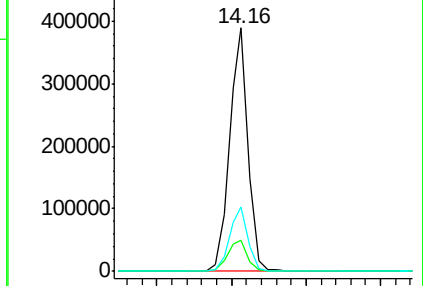
236 26.4 20.7 31.1



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



#77

Pyrene

Concen: 2.666 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.00 min

Lab File: BF103730.D

Acq: 17 Mar 2018 9:00

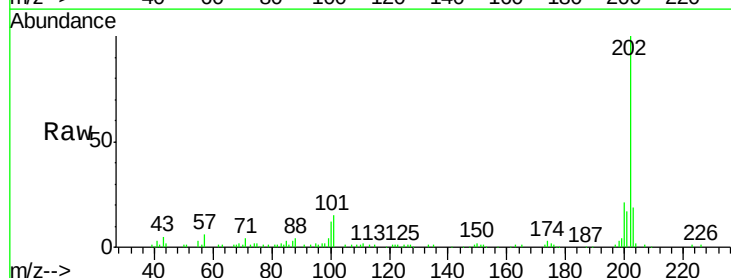
Tgt Ion:202 Resp: 66469

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

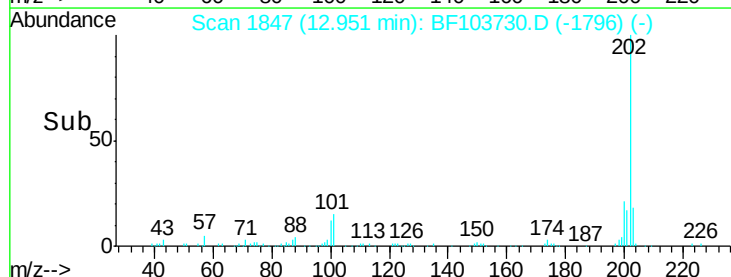
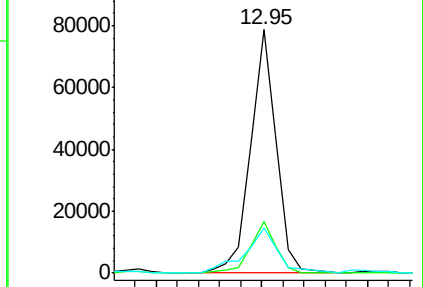
203 18.5 14.3 21.5

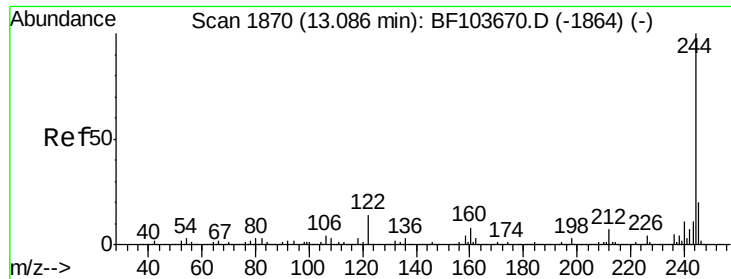


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

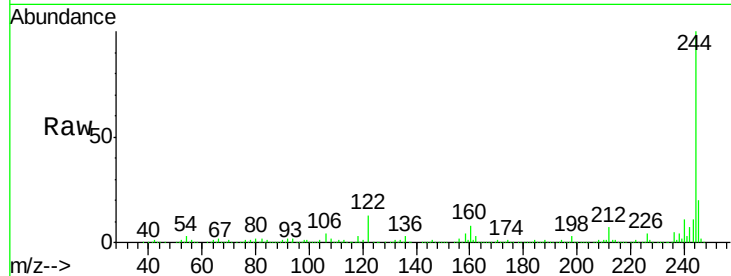




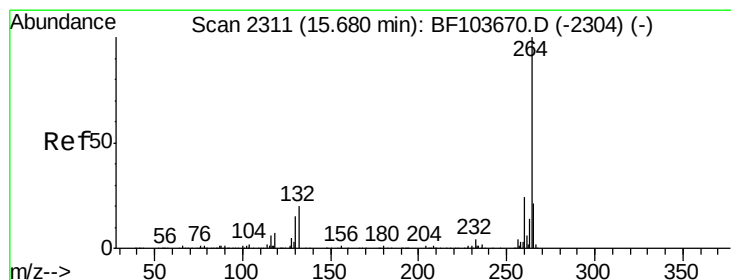
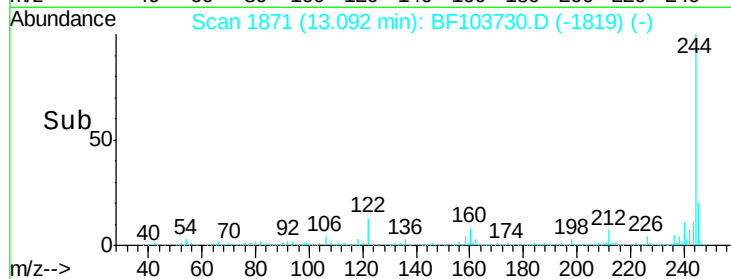
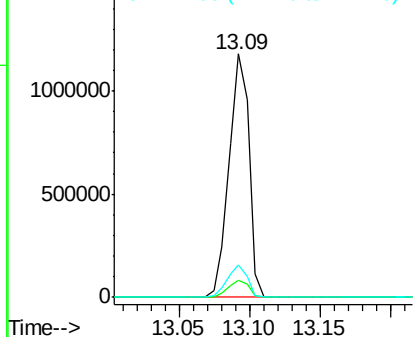
#78
 Terphenyl-d14
 Concen: 79.314 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. 0.01 min
 Lab File: BF103730.D
 Acq: 17 Mar 2018 9:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1159868
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 13.3 11.0 16.4

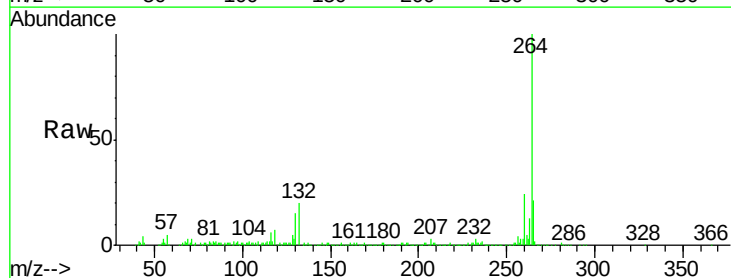


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

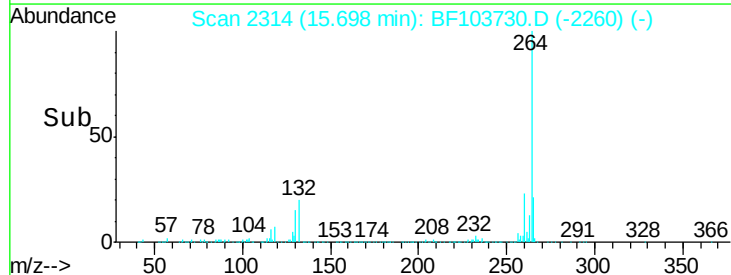
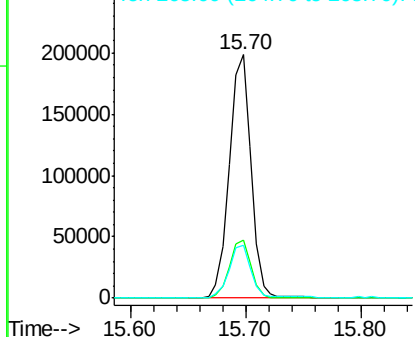


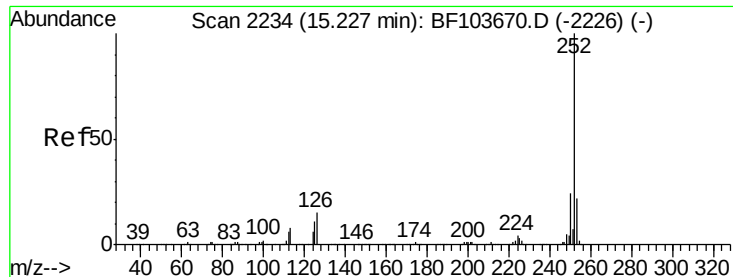
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2314
 Delta R.T. 0.02 min
 Lab File: BF103730.D
 Acq: 17 Mar 2018 9:00

Tgt Ion:264 Resp: 258893
 Ion Ratio Lower Upper
 264 100
 260 23.7 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





#87

Benzo(b)fluoranthene

Concen: 2.757 ng

RT: 15.23 min Scan# 2235

Delta R.T. 0.01 min

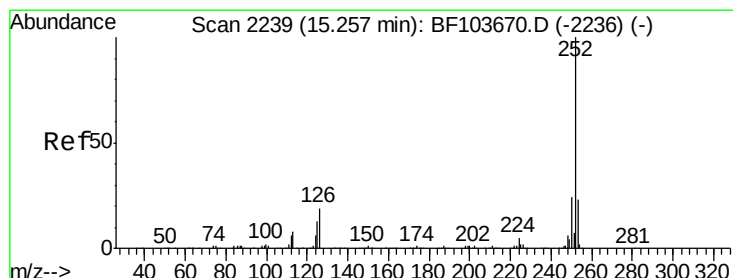
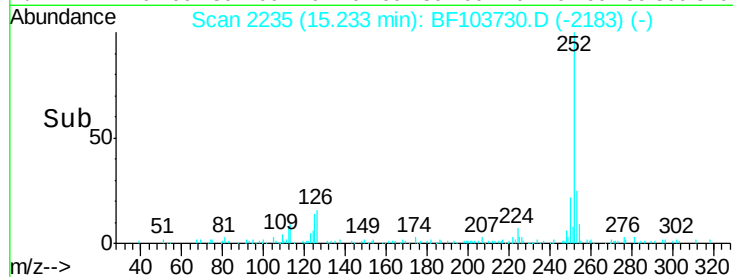
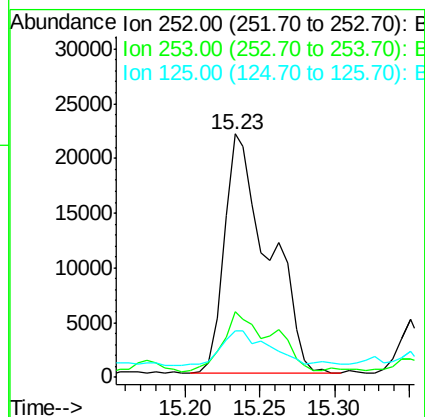
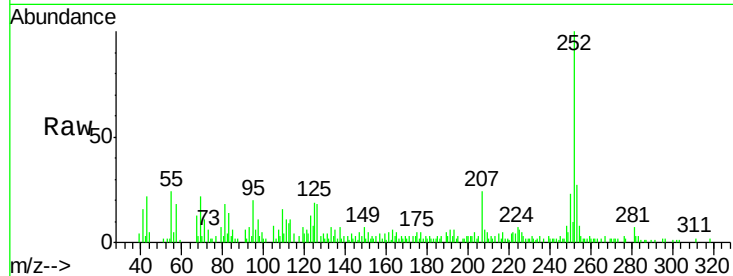
Lab File: BF103730.D

Acq: 17 Mar 2018 9:00

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 45094

Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.0	25.6#
125	19.1	9.0	13.6#



#88

Benzo(k)fluoranthene

Concen: 2.868 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BF103730.D

Acq: 17 Mar 2018 9:00

Tgt Ion:252 Resp: 45094

Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.9	26.9
125	19.1	10.2	15.2#

