

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031618\
 Data File : BF103691.D
 Acq On : 16 Mar 2018 12:51
 Operator : JU/SJ
 Sample : J1867-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 16 13:59:01 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 16 13:24:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	193800	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	801694	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	379518	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	700330	20.00	ng	0.00
75) Chrysene-d12	14.14	240	602609	20.00	ng	0.00
86) Perylene-d12	15.67	264	480046	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	734980	57.68	ng	0.00
7) Phenol-d6	6.57	99	551654	35.39	ng	-0.01
23) Nitrobenzene-d5	7.53	82	1199085	104.30	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	468501	143.57	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1873552	78.75	ng	0.00
78) Terphenyl-d14	13.09	244	1920303	73.97	ng	0.00

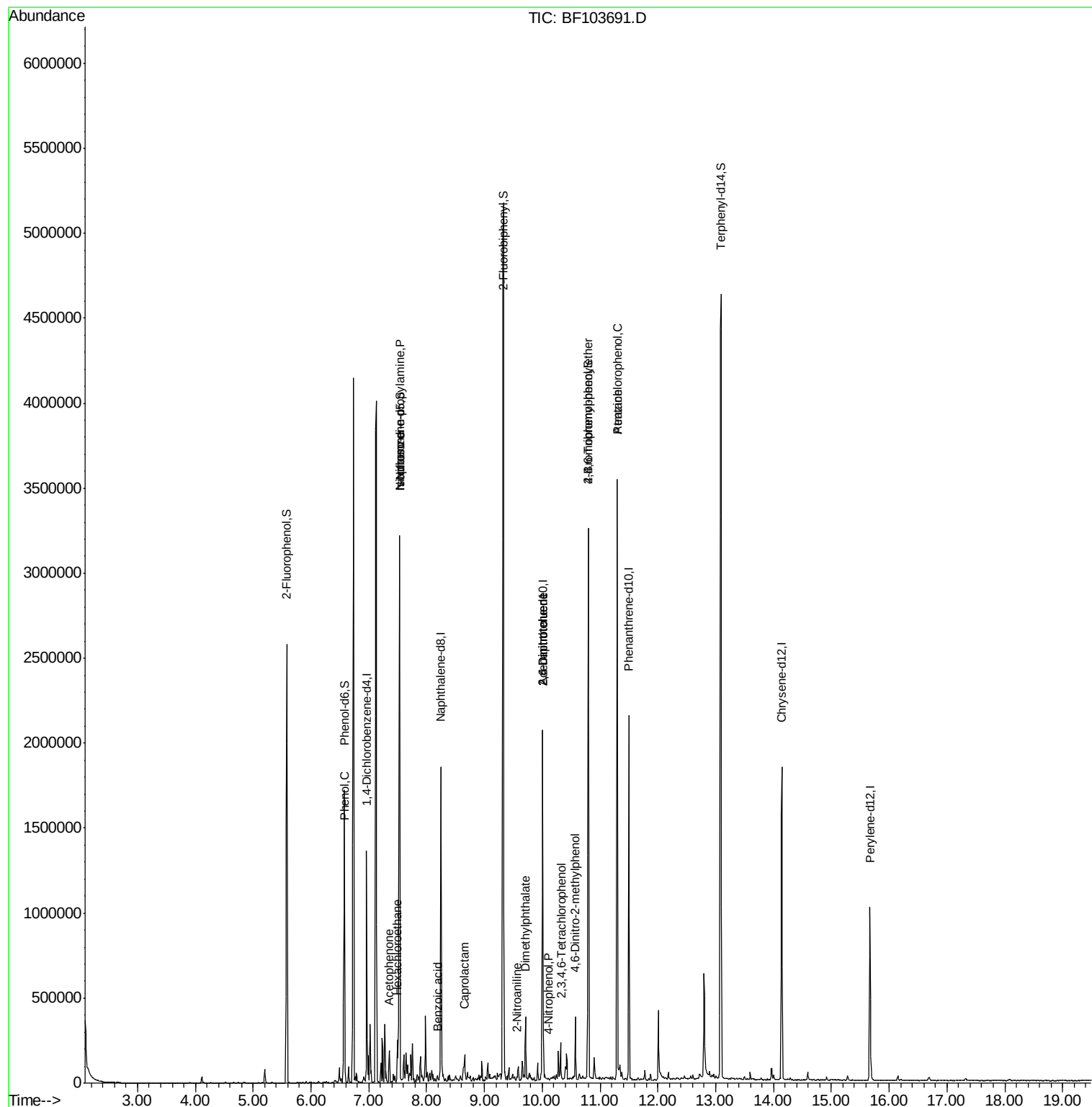
Target Compounds				Qvalue		
10) Phenol	6.59	94	34329	2.072	ng	95
18) Hexachloroethane	7.50	117	16416	3.055	ng	# 1
19) n-Nitroso-di-n-propylamine	7.53	70	161898	16.206	ng	# 73
22) Acetophenone	7.35	105	70401	3.417	ng	# 58
25) Isophorone	7.53	82	1199066	45.056	ng	# 64
32) Benzoic acid	8.18	122	1017	10.005	ng	89
35) Caprolactam	8.66	113	25058	7.016	ng	89
47) 2-Nitroaniline	9.56	65	968	6.941	ng	# 2
49) Dimethylphthalate	9.71	163	115871	4.002	ng	99
50) 2,6-Dinitrotoluene	10.00	165	51033	12.339	ng	# 25
55) 4-Nitrophenol	10.11	139	114	4.990	ng	# 9
56) 2,4-Dinitrotoluene	10.00	165	51033	12.474	ng	# 23
58) 2,3,4,6-Tetrachlorophenol	10.32	232	25712	4.642	ng	# 96
64) 4,6-Dinitro-2-methylphenol	10.57	198	42769	24.339	ng	# 24
66) 4-Bromophenyl-phenylether	10.80	248	27788	3.865	ng	# 1
68) Atrazine	11.30	200	83723	11.354	ng	# 37
69) Pentachlorophenol	11.30	266	411314	87.175	ng	96

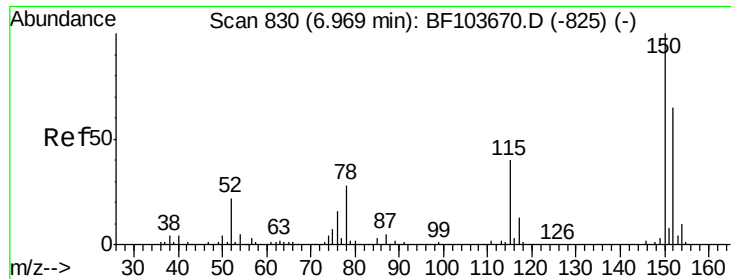
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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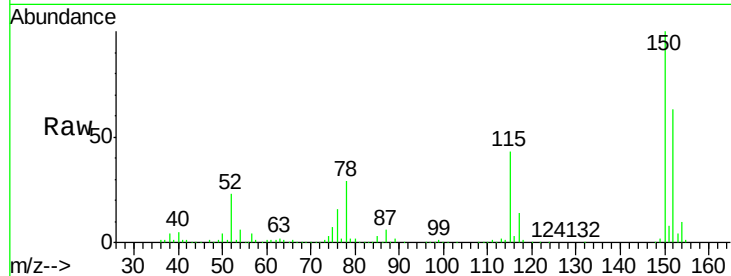


#1

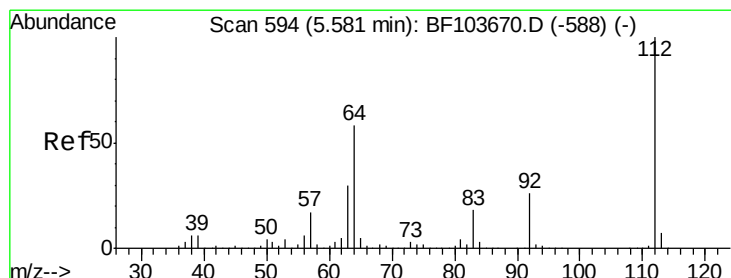
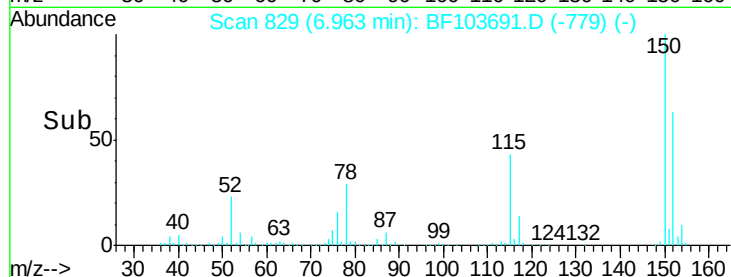
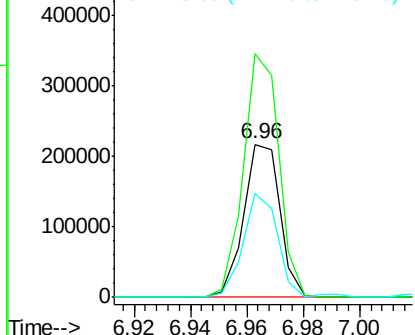
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.01 min
Lab File: BF103691.D
Acq: 16 Mar 2018 12:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 193800
Ion Ratio Lower Upper
152 100
150 159.2 124.6 186.8
115 68.1 50.1 75.1



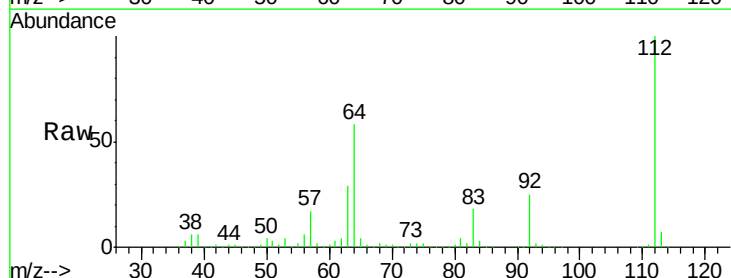
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



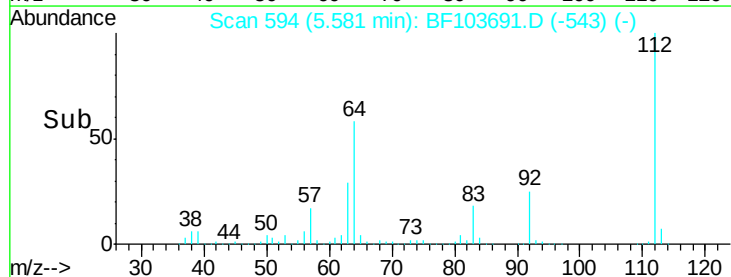
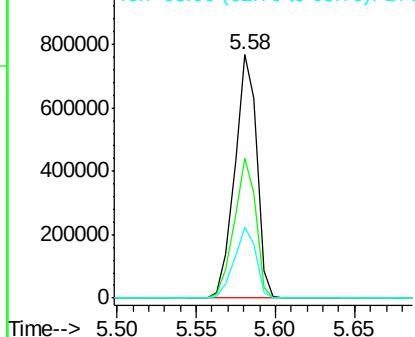
#5

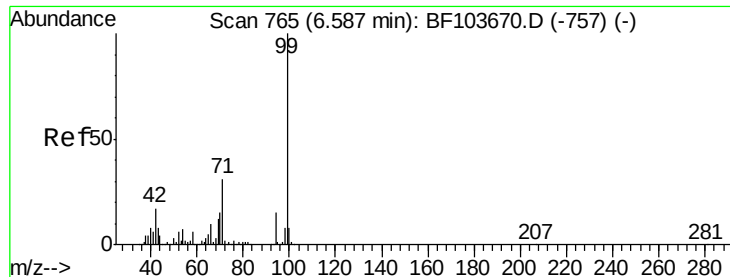
2-Fluorophenol
Concen: 57.683 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.00 min
Lab File: BF103691.D
Acq: 16 Mar 2018 12:51

Tgt Ion:112 Resp: 734980
Ion Ratio Lower Upper
112 100
64 57.6 47.9 71.9
63 28.9 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 35.388 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF103691.D

Acq: 16 Mar 2018 12:51

Instrument :

BNA_F

ClientSampleId :

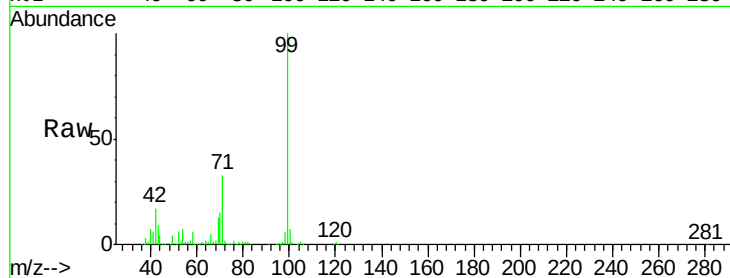
Tot Ion: 99 Resp: 551654

Ion Ratio Lower Upper

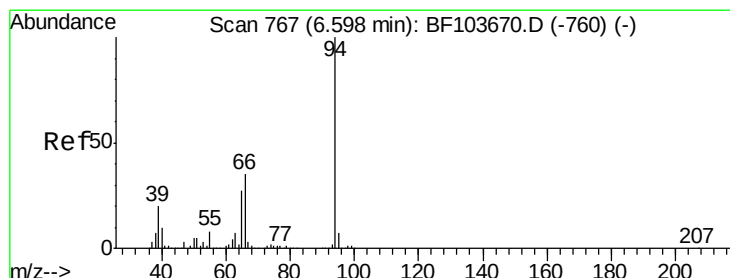
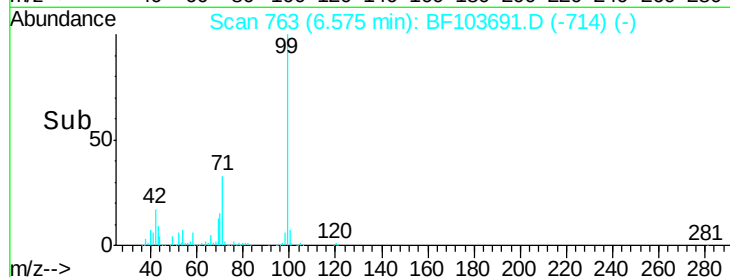
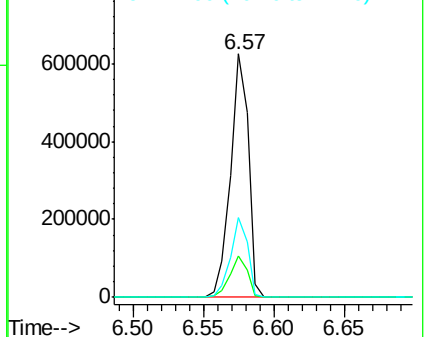
99 100

42 17.2 14.5 21.7

71 32.8 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



#10

Phenol

Concen: 2.072 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF103691.D

Acq: 16 Mar 2018 12:51

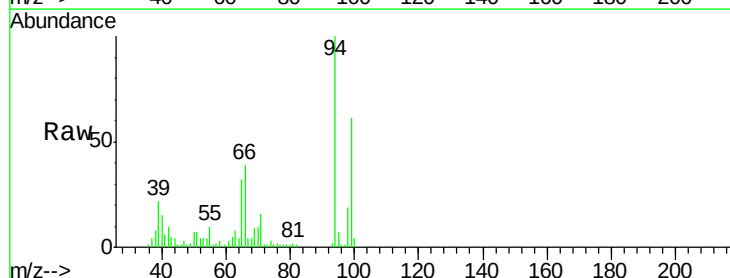
Tgt Ion: 94 Resp: 34329

Ion Ratio Lower Upper

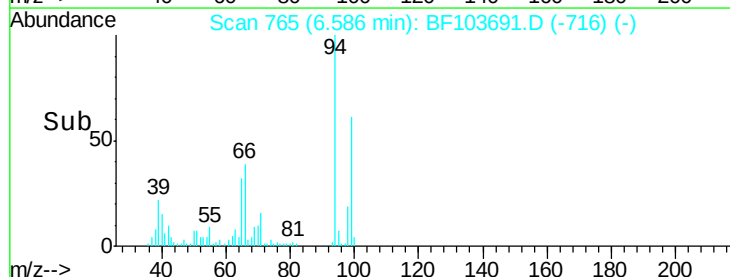
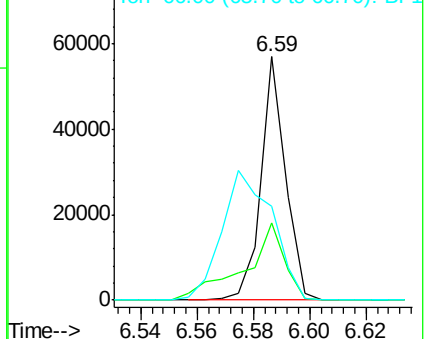
94 100

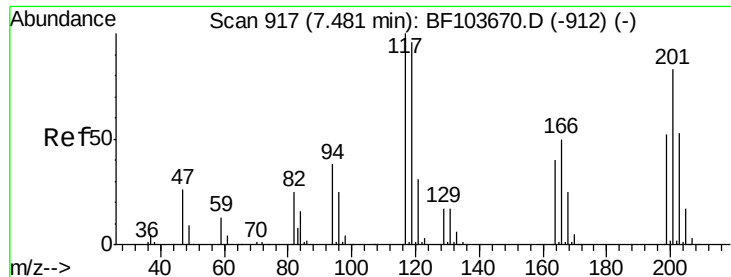
65 31.6 7.9 47.9

66 38.6 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

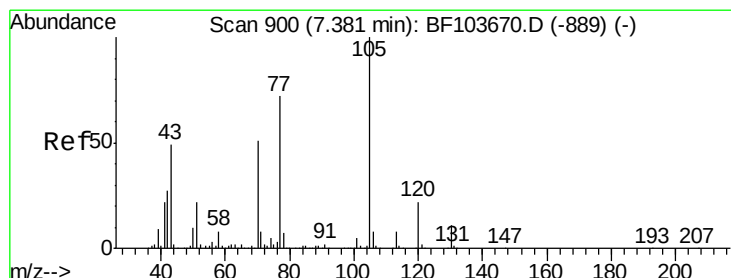
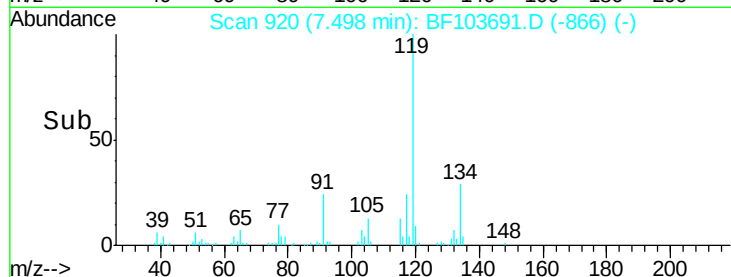
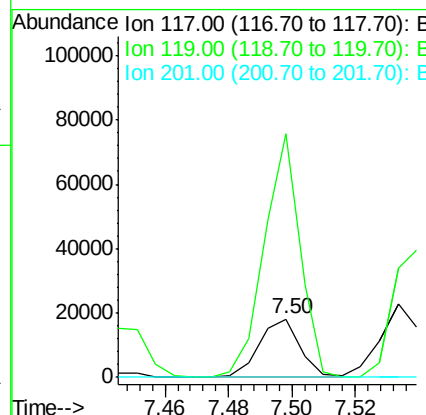
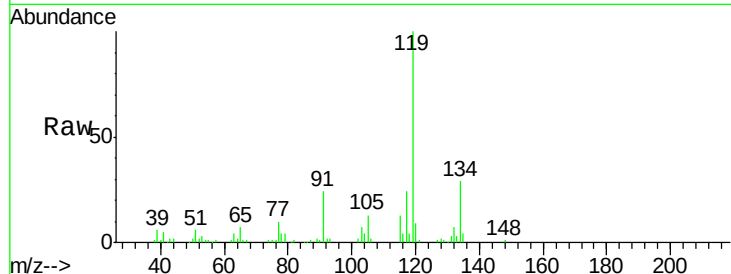




#18
Hexachloroethane
Concen: 3.055 ng
RT: 7.50 min Scan# 920
Delta R.T. 0.02 min
Lab File: BF103691.D
Acq: 16 Mar 2018 12:51

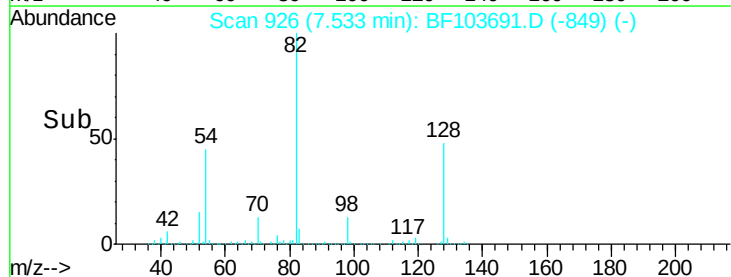
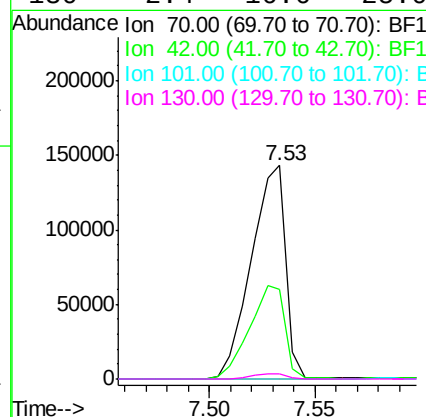
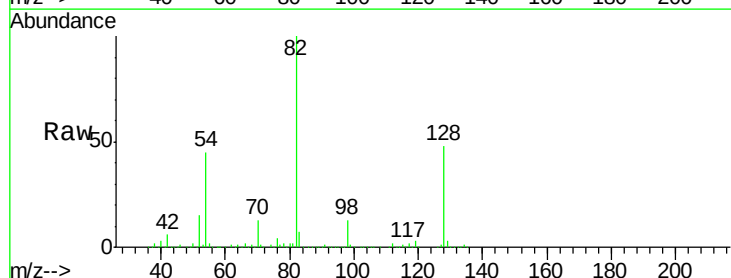
Instrument :
BNA_F
ClientSampleId :

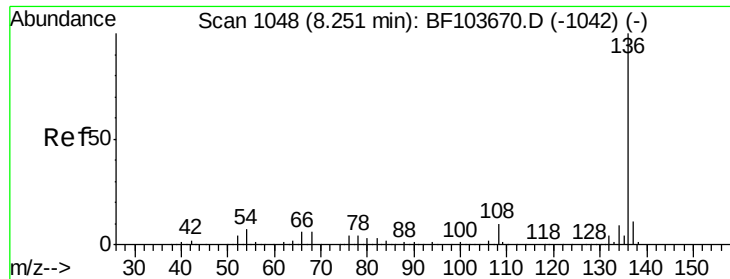
Tot Ion:117 Resp: 16416
Ion Ratio Lower Upper
117 100
119 415.1 75.8 113.8#
201 0.0 75.7 113.5#



#19
n-Nitroso-di-n-propylamine
Concen: 16.206 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.15 min
Lab File: BF103691.D
Acq: 16 Mar 2018 12:51

Tgt Ion: 70 Resp: 161898
Ion Ratio Lower Upper
70 100
42 42.2 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#

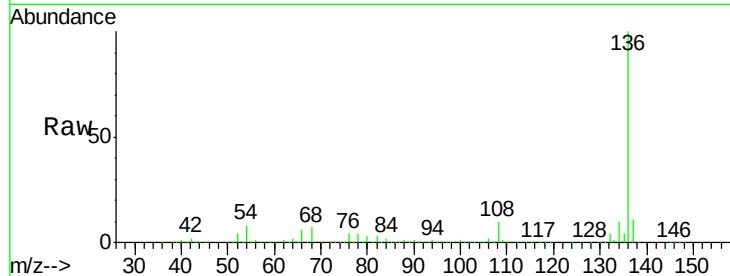




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF103691.D
Acq: 16 Mar 2018 12:51

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	801694
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.9 13.3
54	7.8	6.6 9.8
68	6.5	5.0 7.4

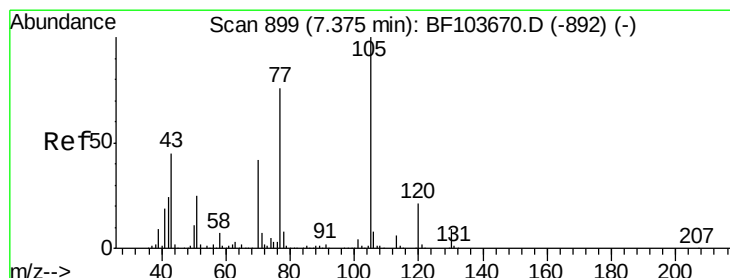
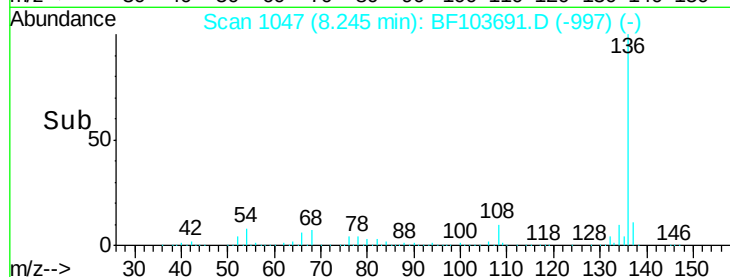
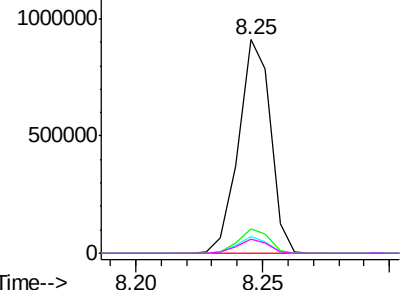


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

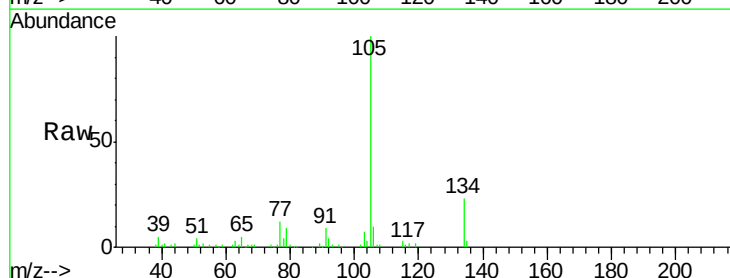
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 3.417 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.02 min
Lab File: BF103691.D
Acq: 16 Mar 2018 12:51

Tgt Ion:105	Resp:	70401
Ion Ratio	Lower	Upper
105	100	
71	0.0	4.4 6.6#
51	4.3	22.3 33.5#
120	0.0	16.9 25.3#

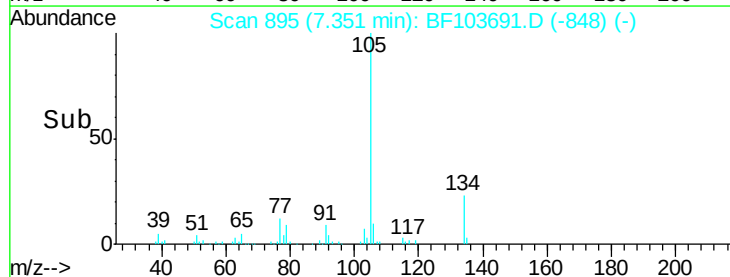
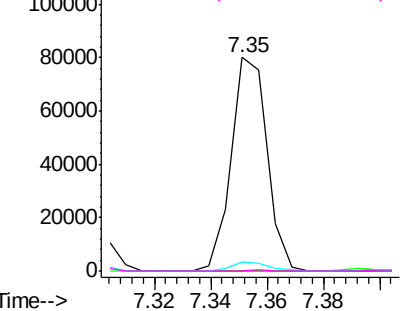


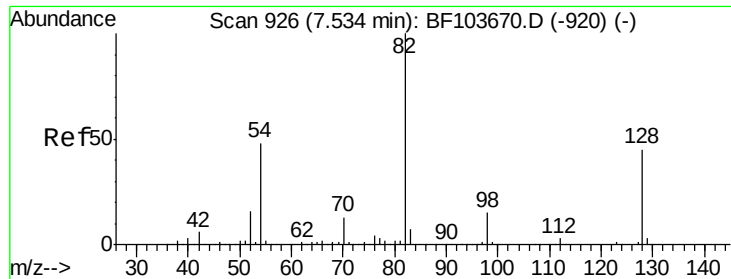
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

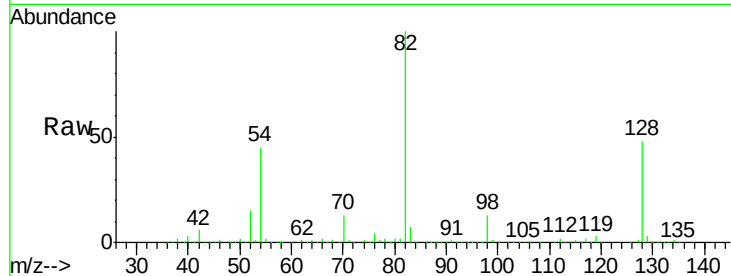




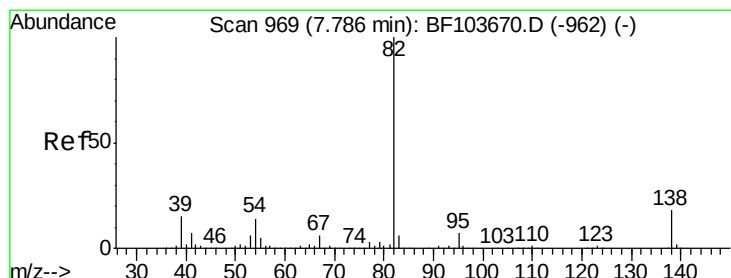
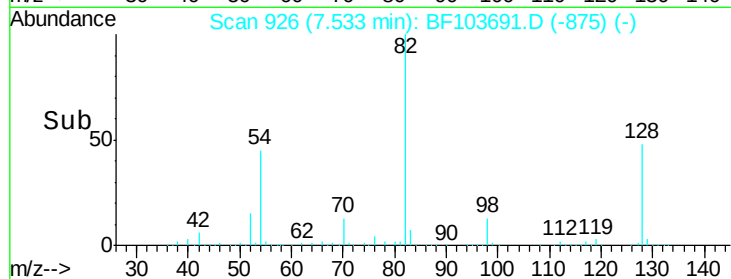
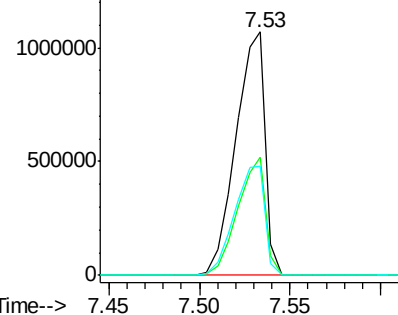
#23
 Nitrobenzene-d5
 Concen: 104.303 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: BF103691.D
 Acq: 16 Mar 2018 12:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 1199085
 Ion Ratio Lower Upper
 82 100
 128 48.3 36.1 54.1
 54 45.1 41.4 62.2

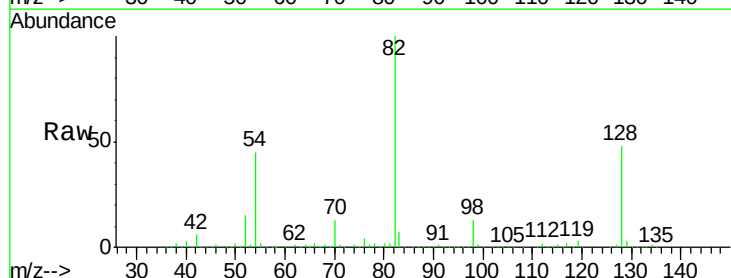


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

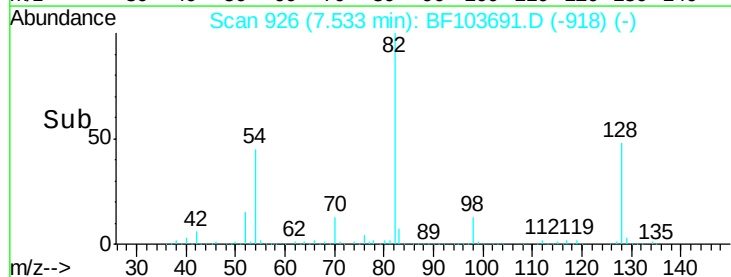
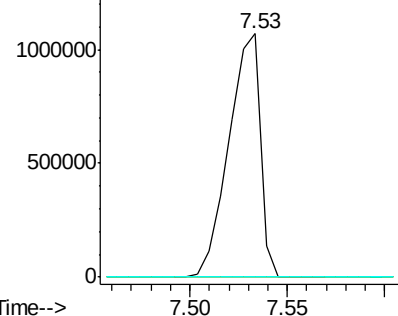


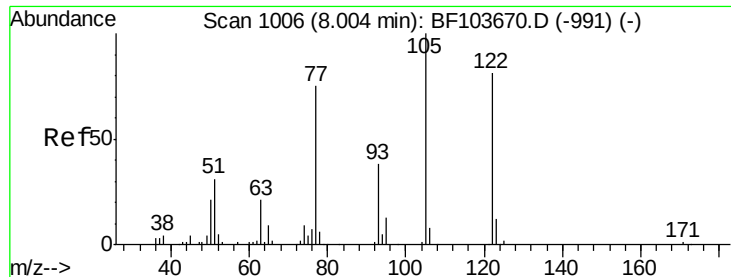
#25
 Isophorone
 Concen: 45.056 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.25 min
 Lab File: BF103691.D
 Acq: 16 Mar 2018 12:51

Tgt Ion: 82 Resp: 1199066
 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

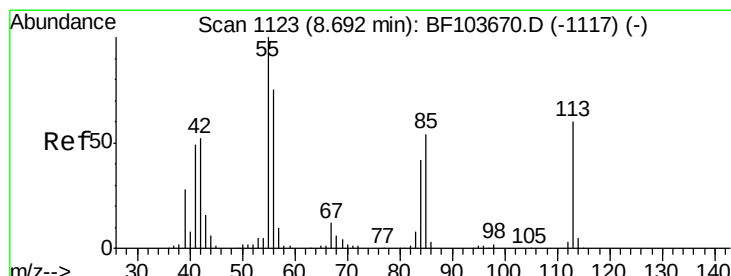
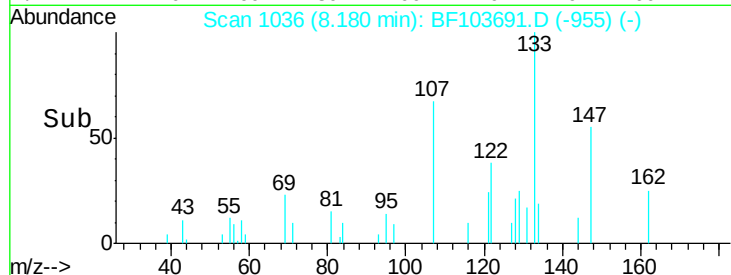
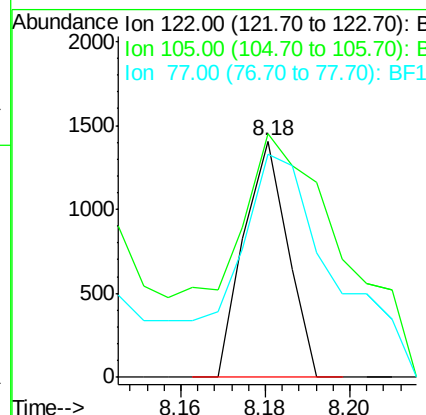
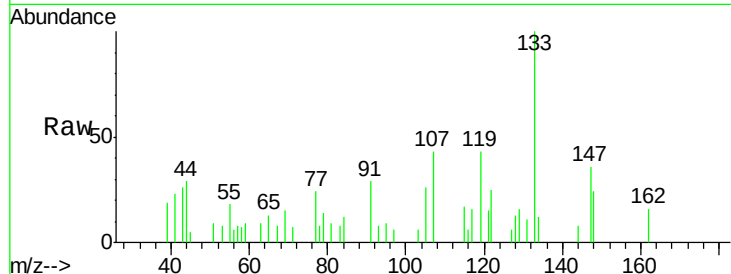




#32
Benzoic acid
Concen: 10.005 ng
RT: 8.18 min Scan# 1036
Delta R.T. 0.18 min
Lab File: BF103691.D
Acq: 16 Mar 2018 12:51

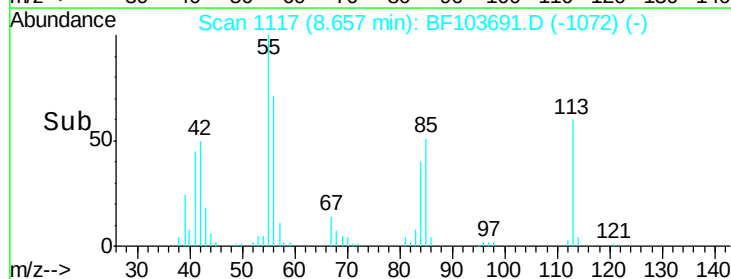
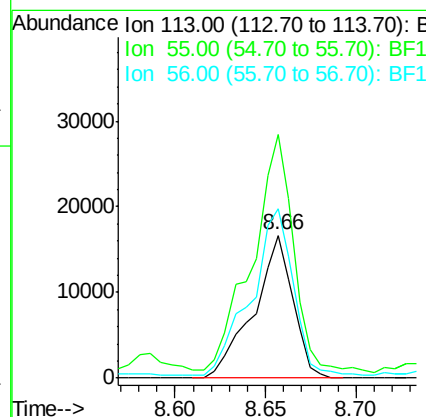
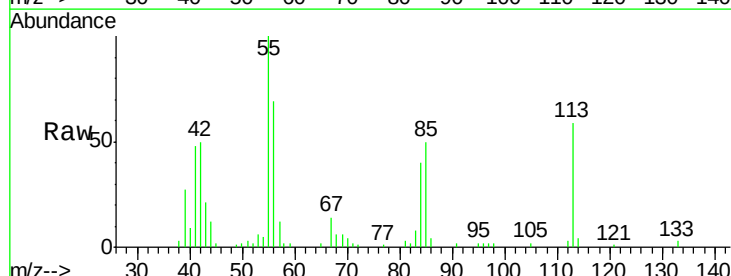
Instrument :
BNA_F
ClientSampleId :

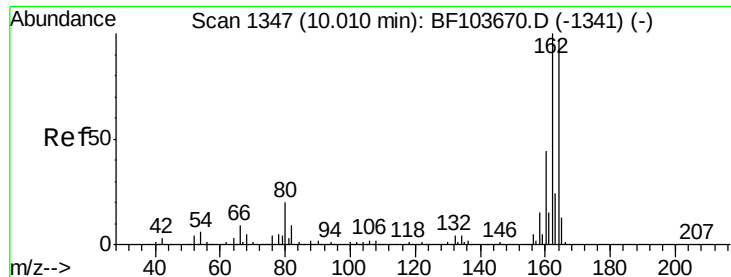
Tot Ion	Ratio	Lower	Upper
122	100		
105	103.1	101.1	141.1
77	94.3	70.7	110.7



#35
Caprolactam
Concen: 7.016 ng
RT: 8.66 min Scan# 1117
Delta R.T. -0.04 min
Lab File: BF103691.D
Acq: 16 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
113	100		
55	170.5	163.3	203.3
56	118.4	115.7	155.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1346

Delta R.T. -0.01 min

Lab File: BF103691.D

Acq: 16 Mar 2018 12:51

Instrument :

BNA_F

ClientSampleId :

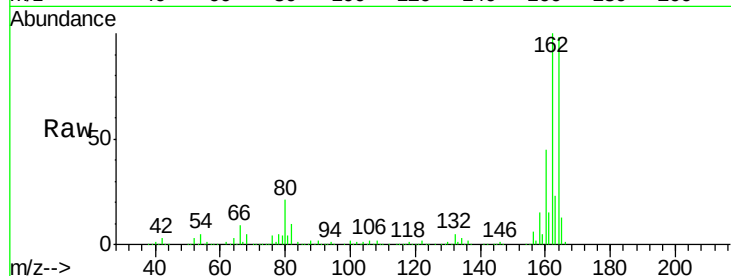
Tot Ion:164 Resp: 379518

Ion Ratio Lower Upper

164 100

162 102.5 86.1 129.1

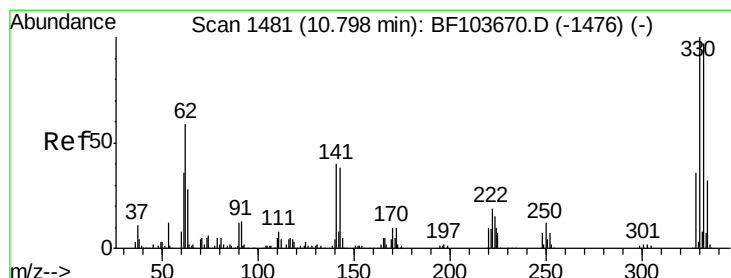
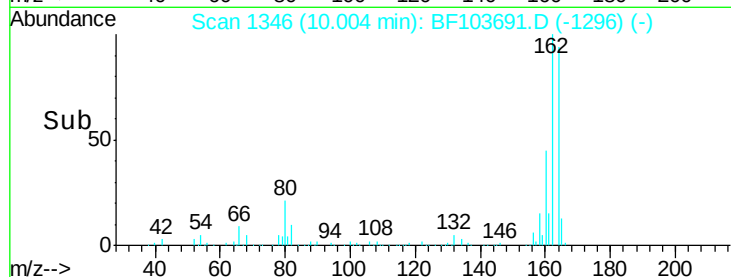
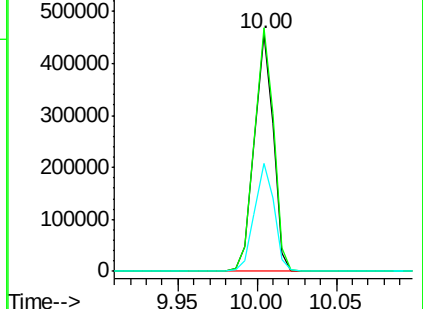
160 45.7 38.3 57.5



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: 143.575 ng

RT: 10.80 min Scan# 1481

Delta R.T. -0.00 min

Lab File: BF103691.D

Acq: 16 Mar 2018 12:51

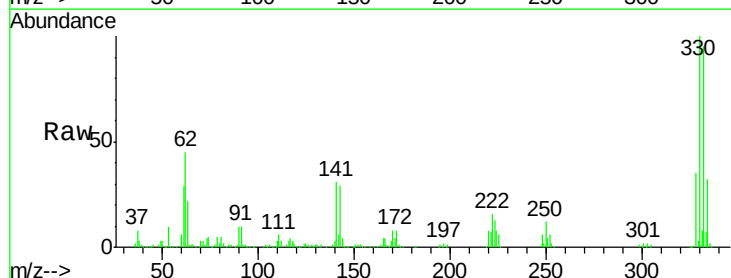
Tgt Ion:330 Resp: 468501

Ion Ratio Lower Upper

330 100

332 95.3 77.0 115.6

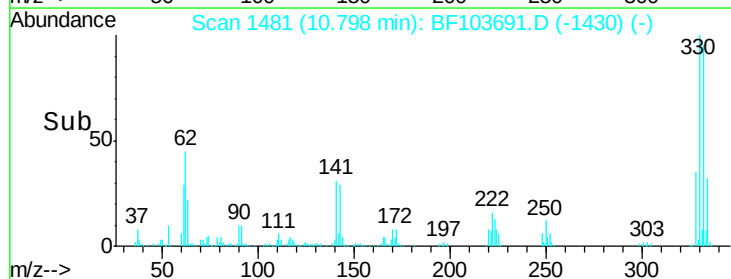
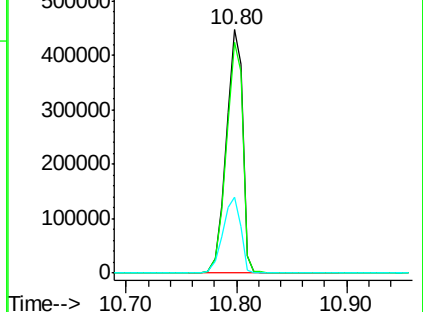
141 33.8 29.9 44.9

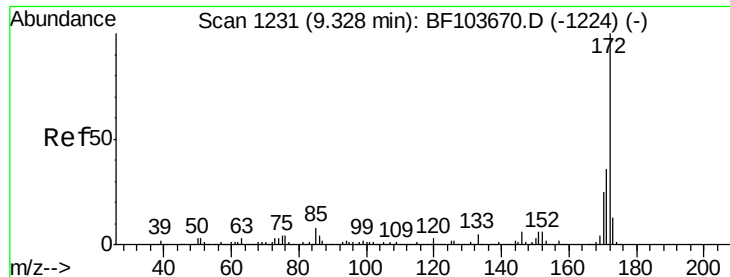


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

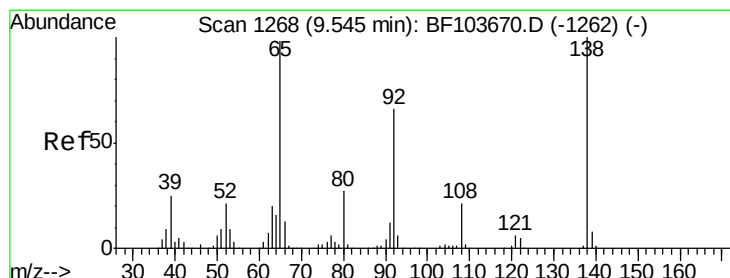
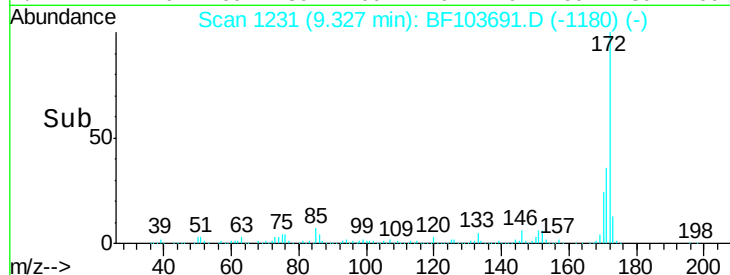
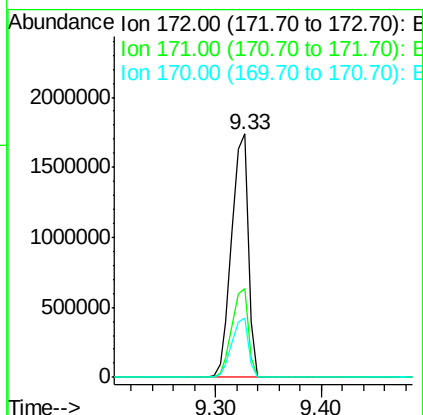
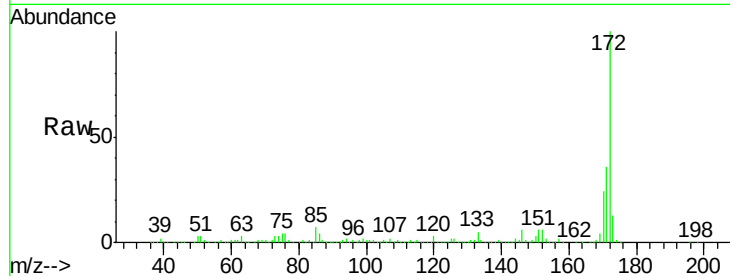




#44
2-Fluorobiphenyl
Concen: 78.747 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.00 min
Lab File: BF103691.D
Acq: 16 Mar 2018 12:51

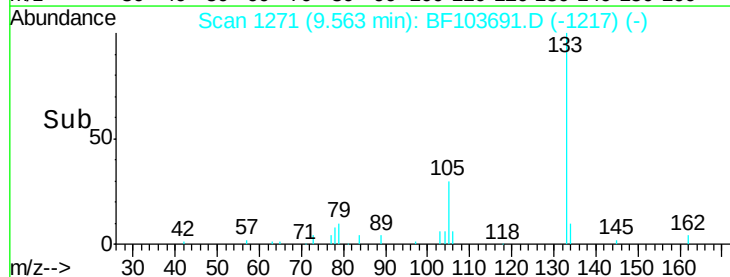
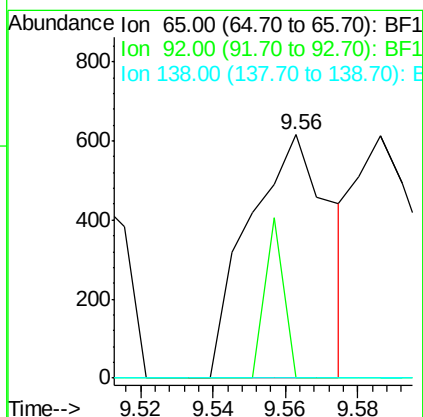
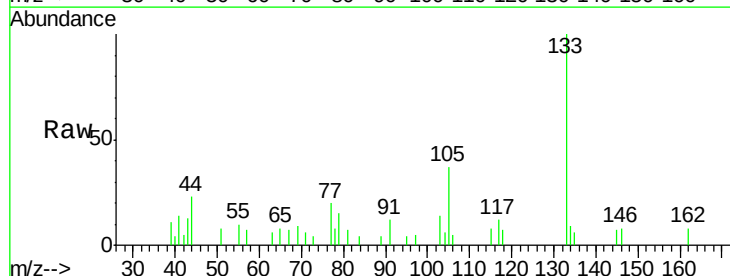
Instrument :
BNA_F
ClientSampleId :

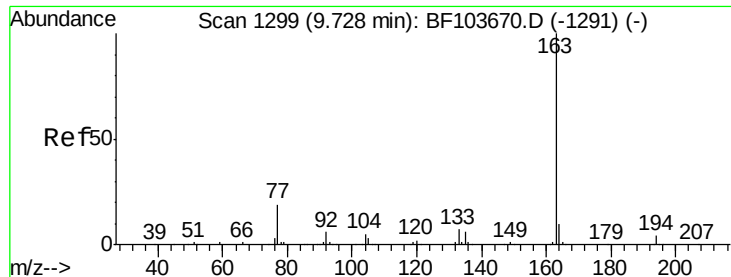
Tot Ion:172 Resp: 1873552
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 24.4 19.6 29.4



#47
2-Nitroaniline
Concen: 6.941 ng
RT: 9.56 min Scan# 1271
Delta R.T. 0.02 min
Lab File: BF103691.D
Acq: 16 Mar 2018 12:51

Tgt Ion: 65 Resp: 968
Ion Ratio Lower Upper
65 100
92 0.0 55.8 83.6#
138 0.0 91.2 136.8#

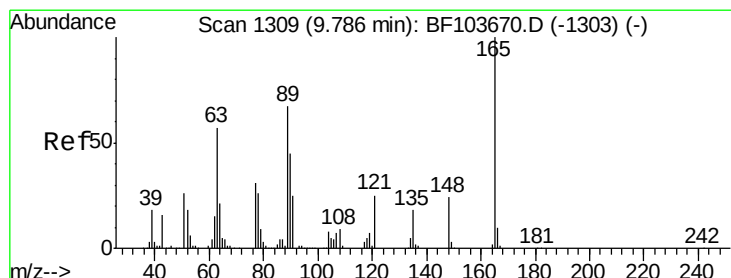
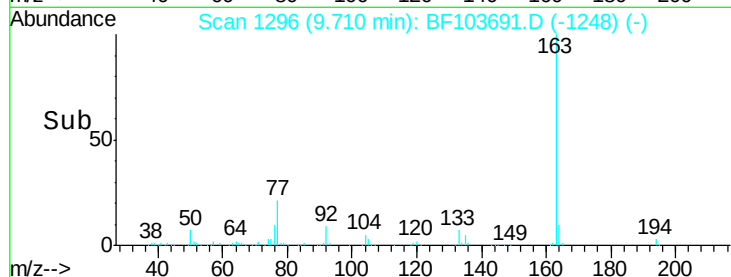
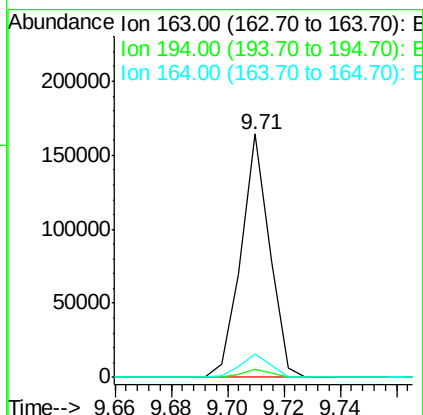
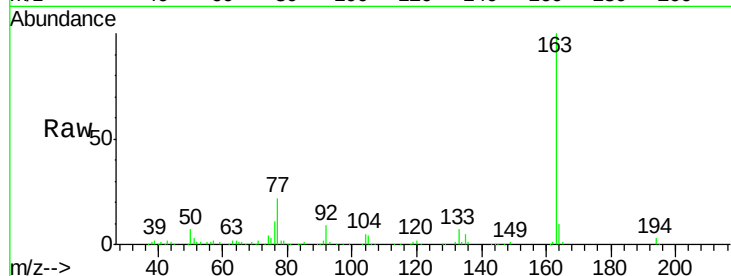




#49
Dimethylphthalate
Concen: 4.002 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.02 min
Lab File: BF103691.D
Acq: 16 Mar 2018 12:51

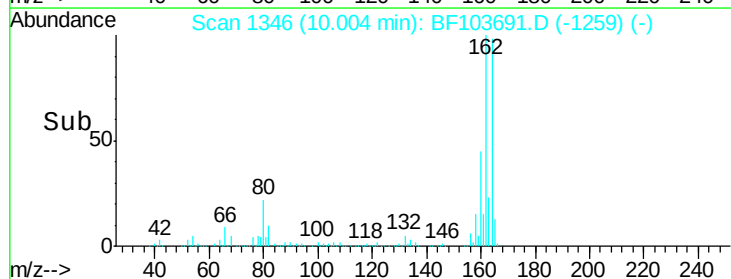
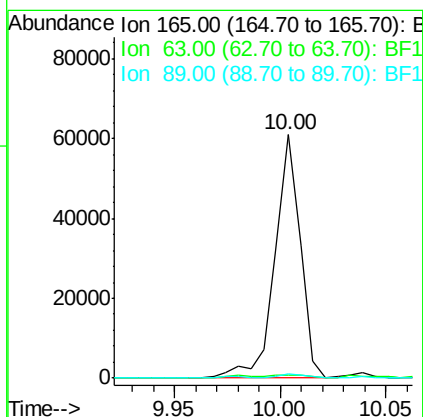
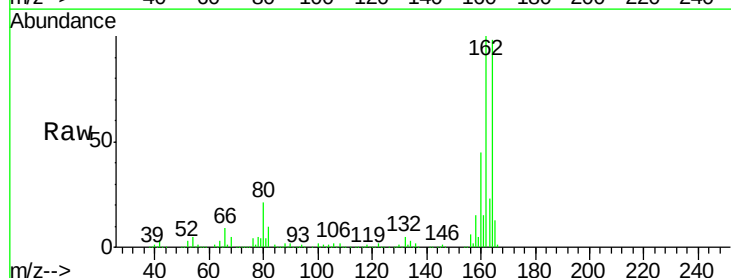
Instrument :
BNA_F
ClientSampleId :

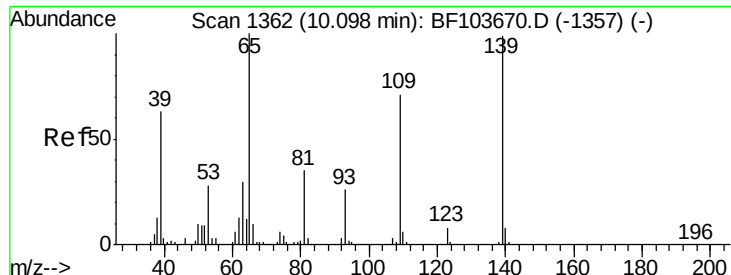
Tot Ion:163 Resp: 115871
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 9.8 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 12.339 ng
RT: 10.00 min Scan# 1346
Delta R.T. 0.21 min
Lab File: BF103691.D
Acq: 16 Mar 2018 12:51

Tgt Ion:165 Resp: 51033
Ion Ratio Lower Upper
165 100
63 1.1 44.7 67.1#
89 1.5 44.0 66.0#

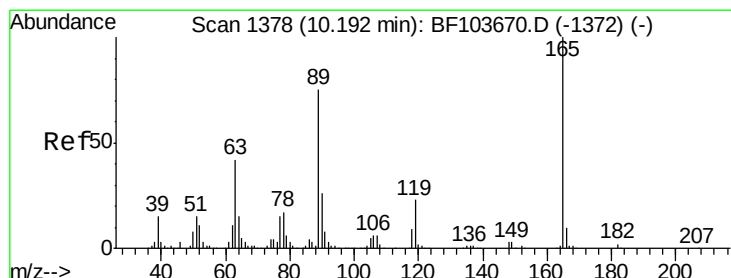
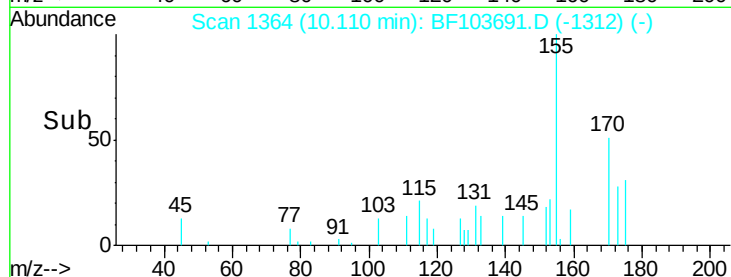
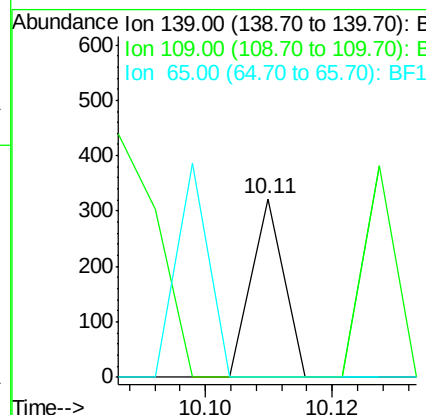
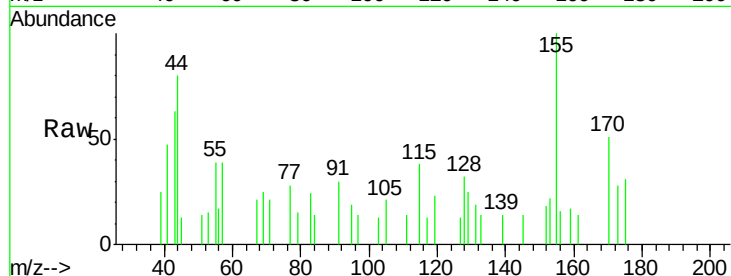




#55
4-Nitrophenol
Concen: 4.990 ng
RT: 10.11 min Scan# 1364
Delta R.T. 0.01 min
Lab File: BF103691.D
Acq: 16 Mar 2018 12:51

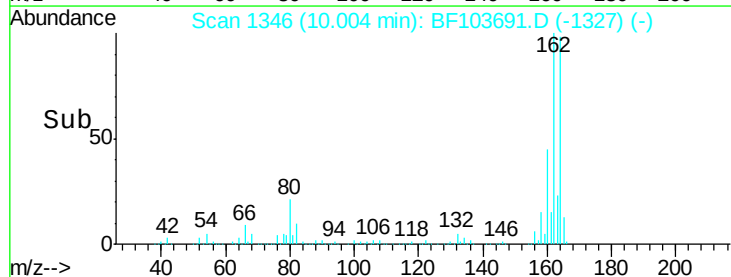
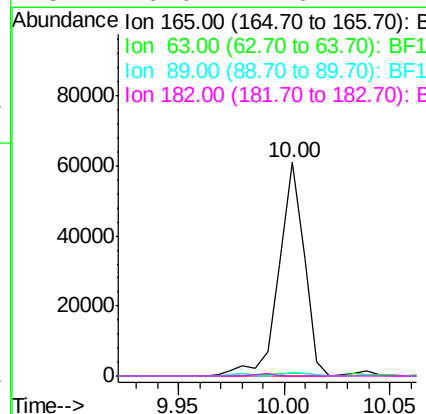
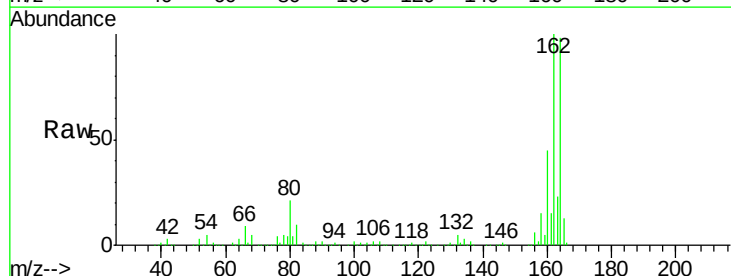
Instrument :
BNA_F
ClientSampleId :

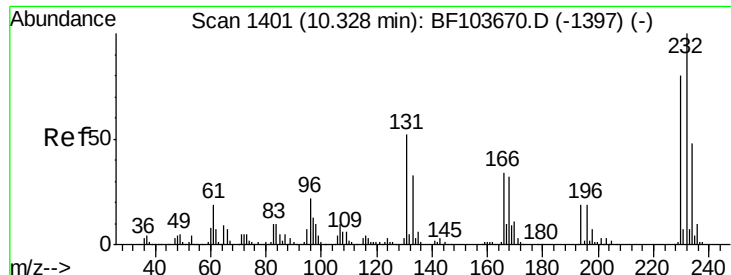
Tot Ion:139 Resp: 114
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 12.474 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.19 min
Lab File: BF103691.D
Acq: 16 Mar 2018 12:51

Tgt Ion:165 Resp: 51033
Ion Ratio Lower Upper
165 100
63 1.1 36.4 54.6#
89 1.5 57.8 86.6#
182 0.0 1.6 2.4#

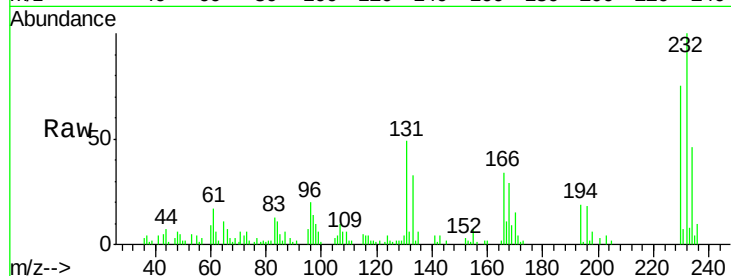




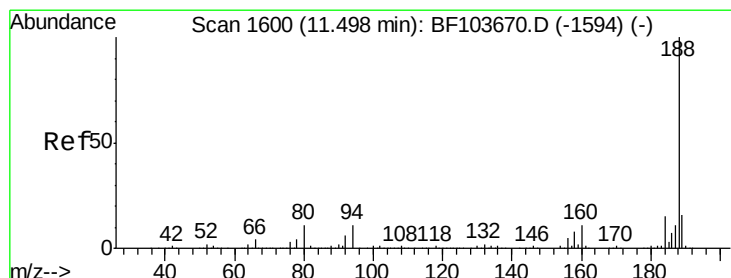
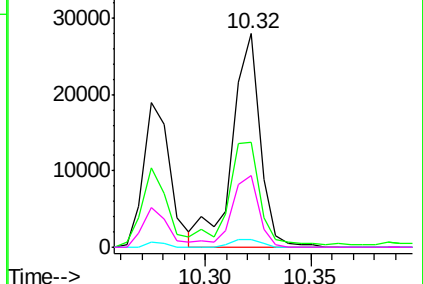
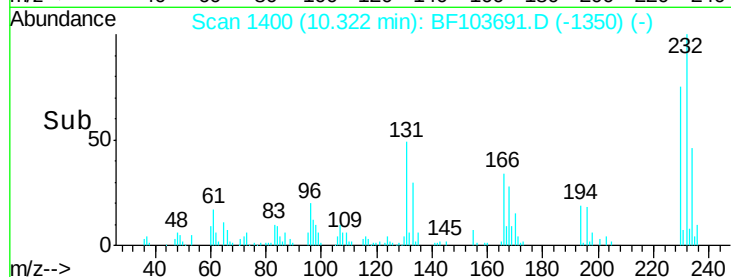
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 4.642 ng
 RT: 10.32 min Scan# 1400
 Delta R.T. -0.01 min
 Lab File: BF103691.D
 Acq: 16 Mar 2018 12:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:232 Resp: 25712
 Ion Ratio Lower Upper
 232 100
 131 58.0 43.8 65.8
 130 4.0 2.1 3.1#
 166 33.2 27.8 41.6

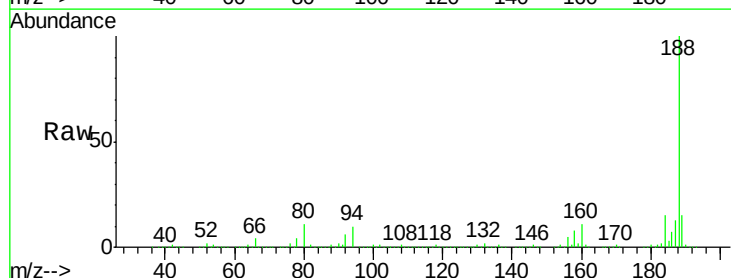


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

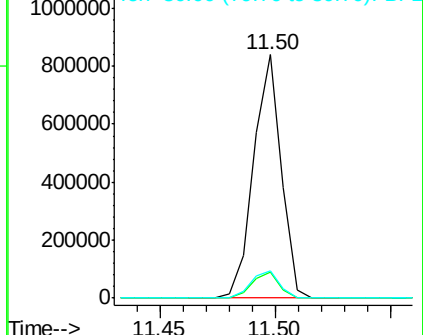
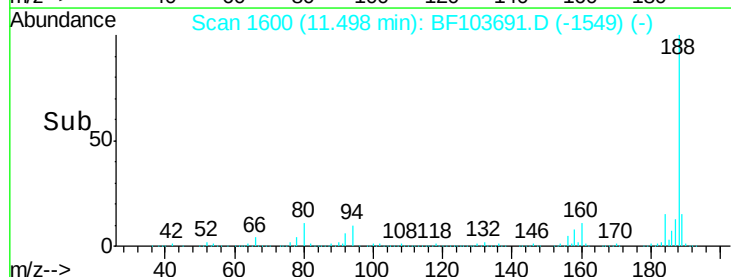


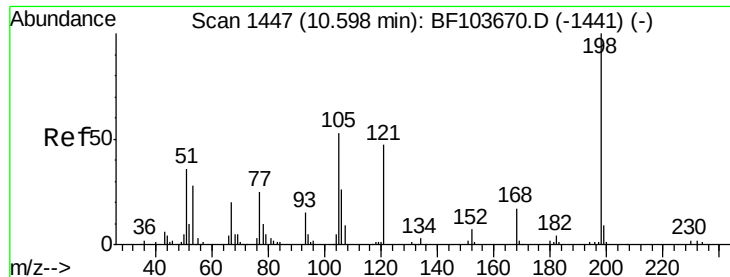
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: BF103691.D
 Acq: 16 Mar 2018 12:51

Tgt Ion:188 Resp: 700330
 Ion Ratio Lower Upper
 188 100
 94 10.5 8.5 12.7
 80 11.1 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

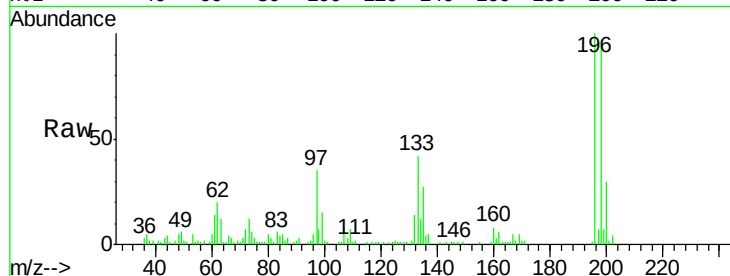




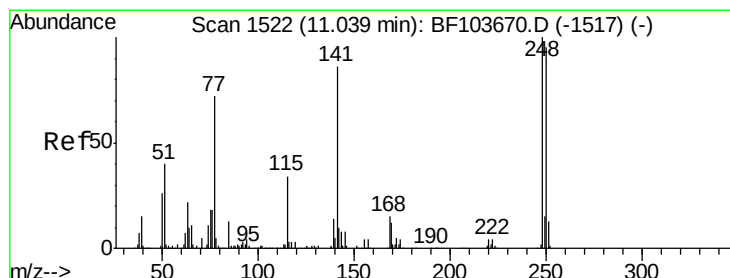
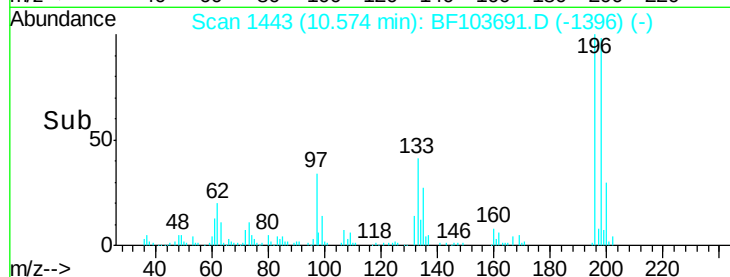
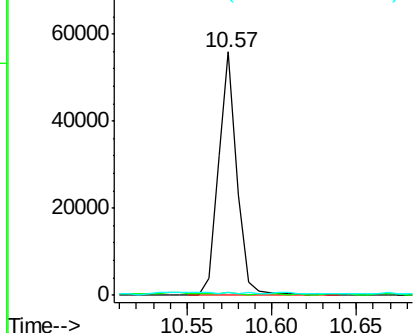
#64
 4,6-Dinitro-2-methylphenol
 Concen: 24.339 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.02 min
 Lab File: BF103691.D
 Acq: 16 Mar 2018 12:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 42769
 Ion Ratio Lower Upper
 198 100
 51 1.5 37.7 77.7#
 105 1.2 36.3 76.3#

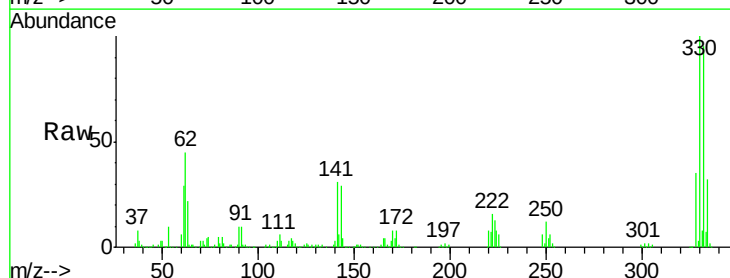


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

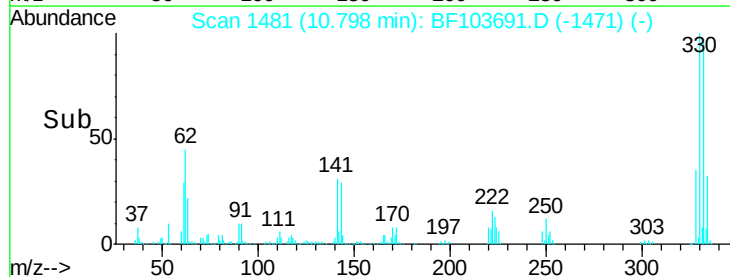
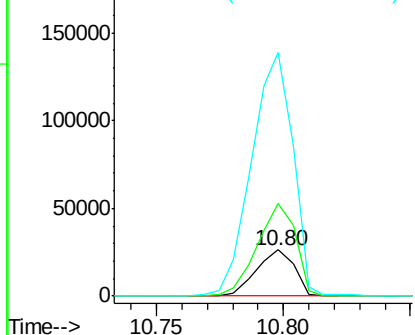


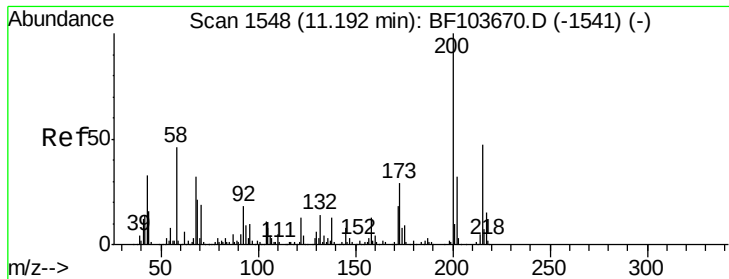
#66
 4-Bromophenyl-phenylether
 Concen: 3.865 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.24 min
 Lab File: BF103691.D
 Acq: 16 Mar 2018 12:51

Tgt Ion:248 Resp: 27788
 Ion Ratio Lower Upper
 248 100
 250 200.9 76.9 115.3#
 141 526.9 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

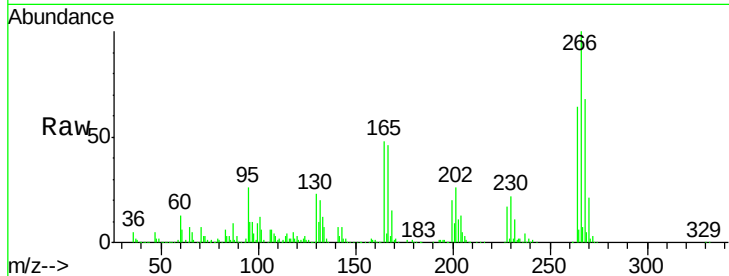




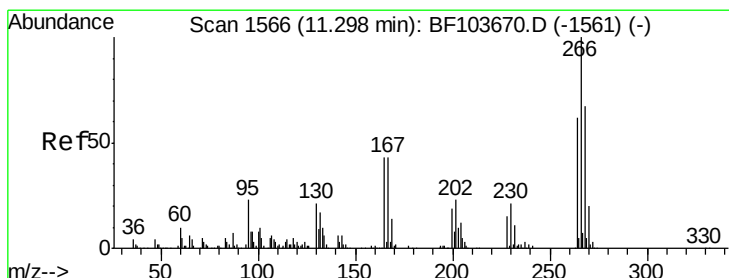
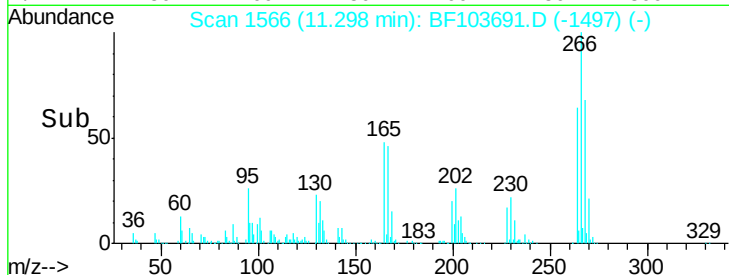
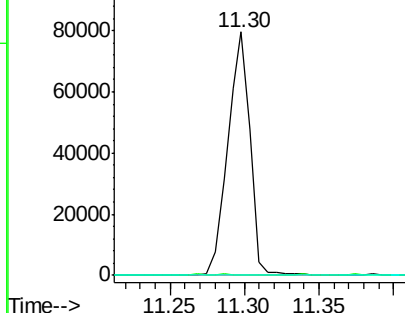
#68
Atrazine
Concen: 11.354 ng
RT: 11.30 min Scan# 1566
Delta R.T. 0.11 min
Lab File: BF103691.D
Acq: 16 Mar 2018 12:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:200 Resp: 83723
Ion Ratio Lower Upper
200 100
173 0.0 8.6 48.6#
215 0.0 25.1 65.1#

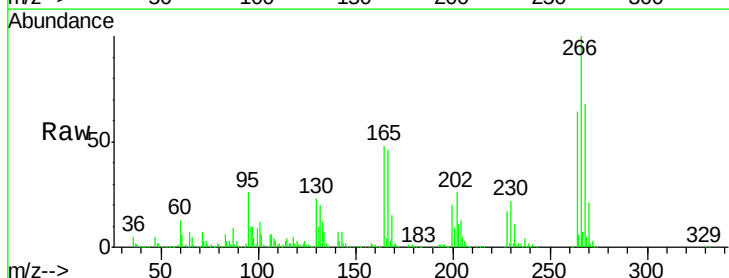


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

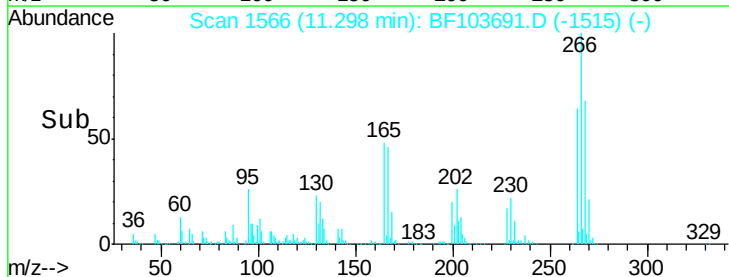
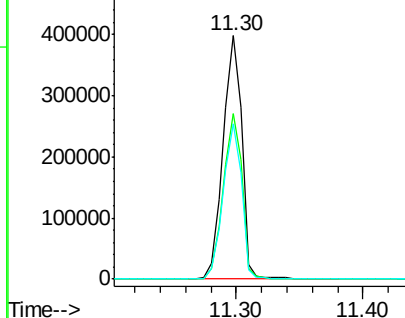


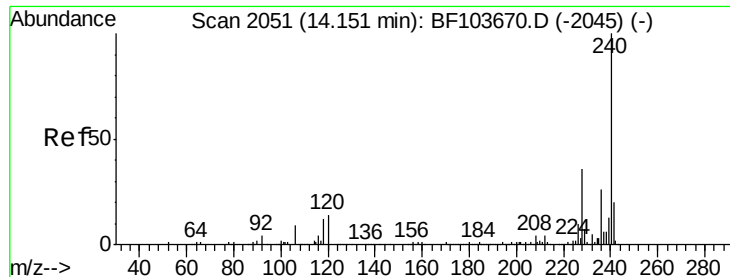
#69
Pentachlorophenol
Concen: 87.175 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.00 min
Lab File: BF103691.D
Acq: 16 Mar 2018 12:51

Tgt Ion:266 Resp: 411314
Ion Ratio Lower Upper
266 100
268 68.0 51.1 76.7
264 63.9 49.5 74.3



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BF103691.D

Acq: 16 Mar 2018 12:51

Instrument :

BNA_F

ClientSampleId :

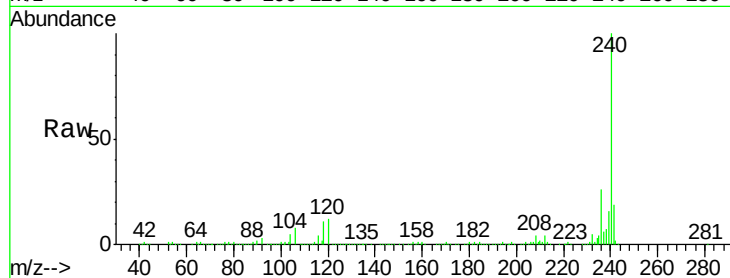
Tot Ion:240 Resp: 602609

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

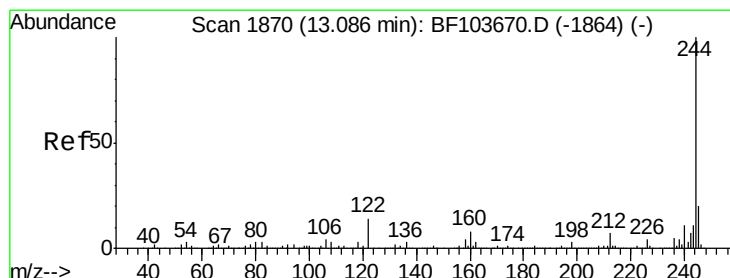
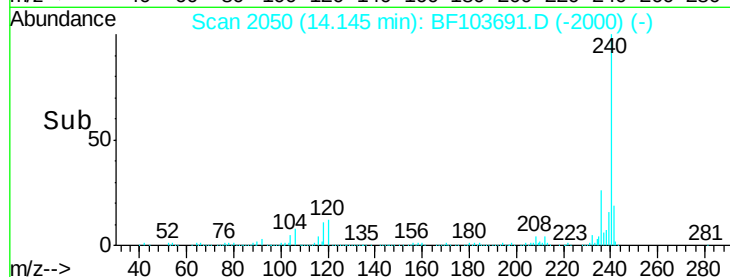
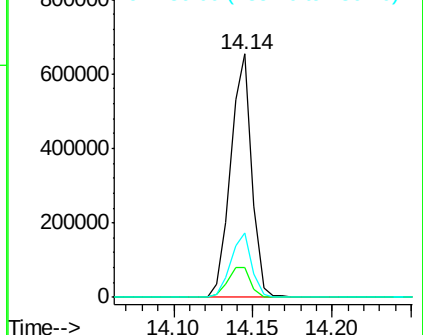
236 26.5 20.7 31.1



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: 73.967 ng

RT: 13.09 min Scan# 1871

Delta R.T. 0.01 min

Lab File: BF103691.D

Acq: 16 Mar 2018 12:51

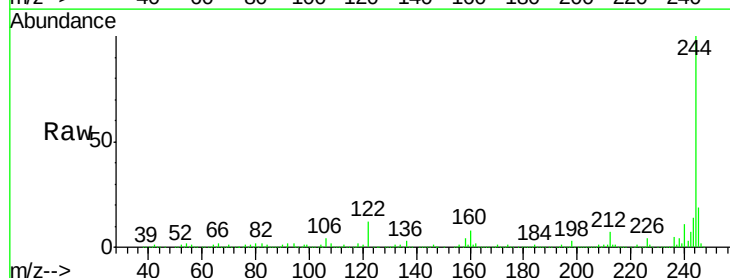
Tgt Ion:244 Resp: 1920303

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

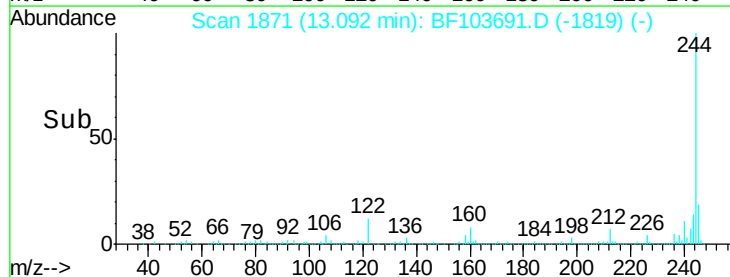
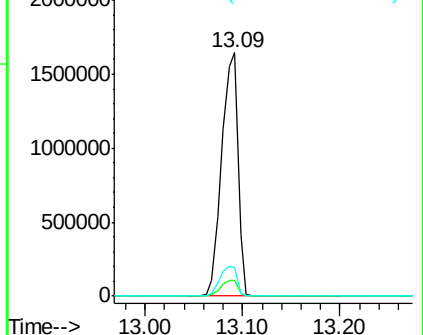
122 11.7 11.0 16.4

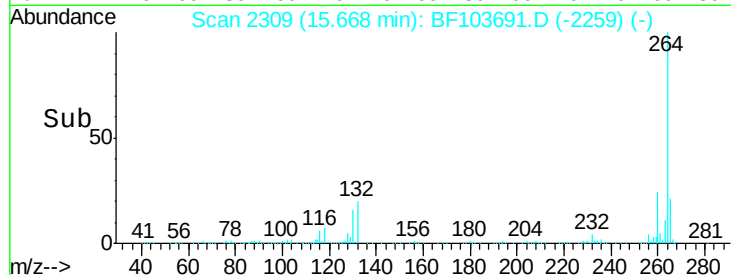
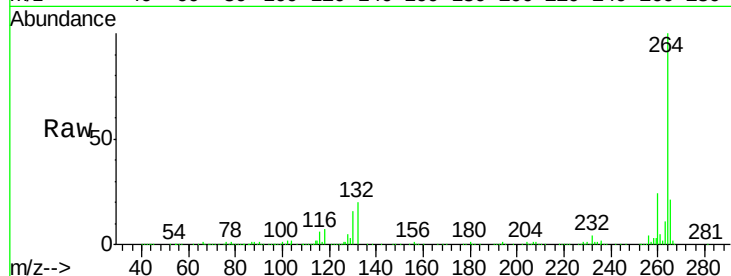
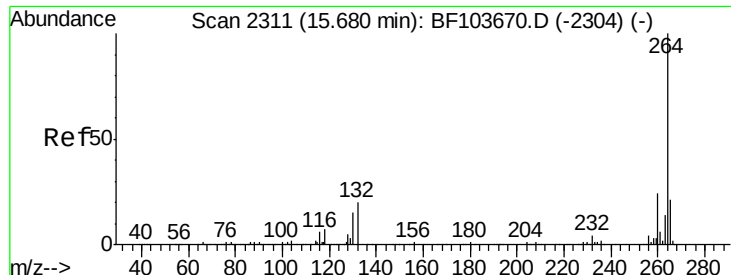


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.67 min Scan# 2309
Delta R.T. -0.01 min
Lab File: BF103691.D
Acq: 16 Mar 2018 12:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	480046
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.3	17.5	26.3

