

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\
 Data File : BF103819.D
 Acq On : 20 Mar 2018 22:48
 Operator : JU/SJ
 Sample : J1966-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 21 01:00:42 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	154115	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	640127	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	262618	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	420714	20.00	ng	0.01
75) Chrysene-d12	14.16	240	304266	20.00	ng	0.00
86) Perylene-d12	15.70	264	247186	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	541683	53.46	ng	0.01
7) Phenol-d6	6.59	99	444044	35.82	ng	0.00
23) Nitrobenzene-d5	7.54	82	891343	97.10	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	343216	152.00	ng	0.02
44) 2-Fluorobiphenyl	9.33	172	1483610	90.11	ng	0.00
78) Terphenyl-d14	13.10	244	1196840	91.30	ng	0.01

Target Compounds

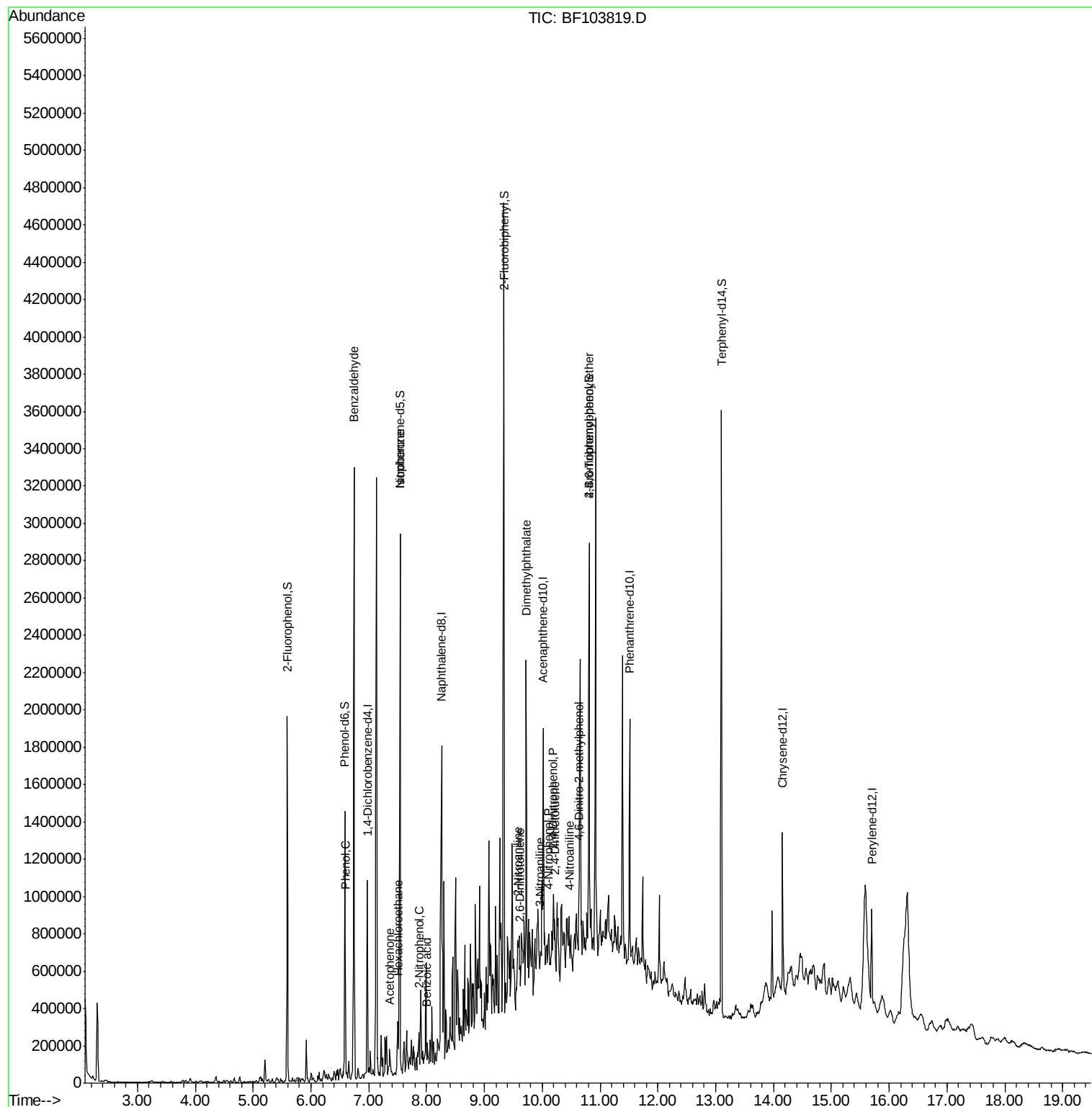
						Qvalue
9) Benzaldehyde	6.75	77	23000	2.824	ng	86
10) Phenol	6.60	94	27114	2.058	ng	100
18) Hexachloroethane	7.50	117	23069	5.399	ng	# 1
22) Acetophenone	7.36	105	41586	2.528	ng	# 59
25) Isophorone	7.54	82	889644	41.867	ng	# 64
26) 2-Nitrophenol	7.86	139	874	9.617	ng	# 1
32) Benzoic acid	8.00	122	735	9.996	ng	# 1
47) 2-Nitroaniline	9.57	65	7953	8.314	ng	# 31
49) Dimethylphthalate	9.72	163	74142	3.700	ng	# 94
50) 2,6-Dinitrotoluene	9.62	165	2444	4.562	ng	# 93
52) 3-Nitroaniline	9.96	138	1061	4.025	ng	# 56
53) 2,4-Dinitrophenol	10.19	184	139	6.551	ng	# 1
55) 4-Nitrophenol	10.12	139	3529	5.872	ng	# 22
56) 2,4-Dinitrotoluene	10.22	165	2750	6.701	ng	# 61
61) 4-Nitroaniline	10.47	138	2683	4.303	ng	# 88
64) 4,6-Dinitro-2-methylphenol	10.63	198	433	8.425	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	20417	4.727	ng	# 1

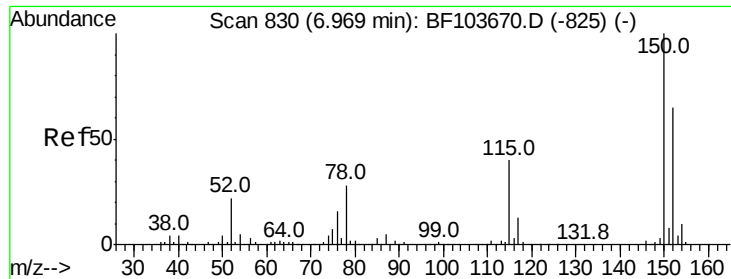
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF032018\
Data File : BF103819.D
Acq On : 20 Mar 2018 22:48
Operator : JU/SJ
Sample : J1966-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Mar 21 01:00:42 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



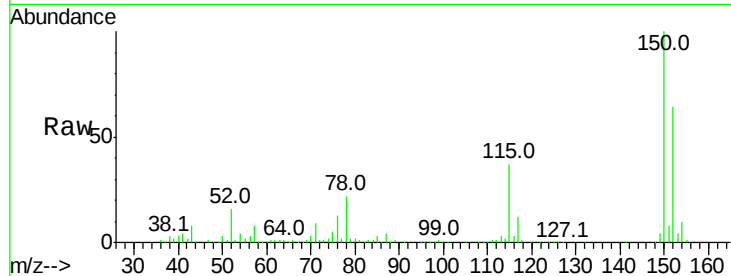


#1

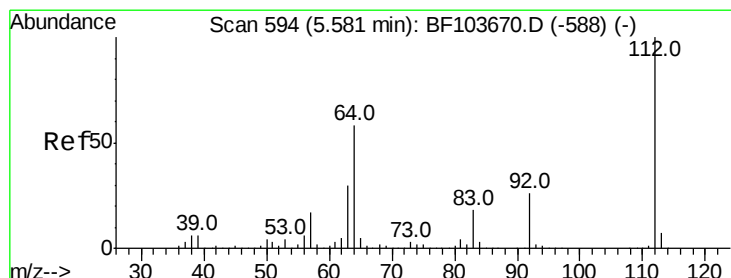
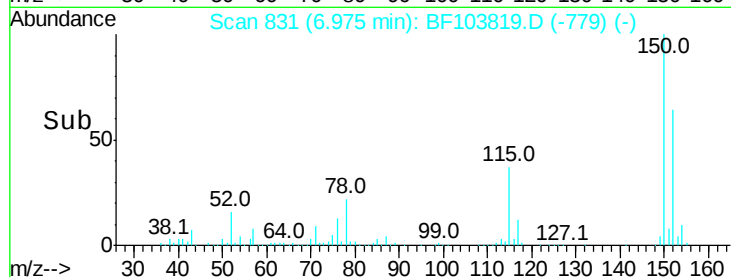
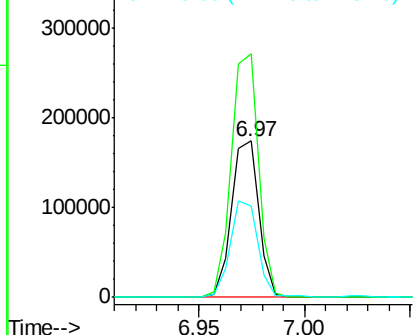
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.01 min
Lab File: BF103819.D
Acq: 20 Mar 2018 22:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 154115
Ion Ratio Lower Upper
152 100
150 156.0 124.6 186.8
115 58.3 50.1 75.1



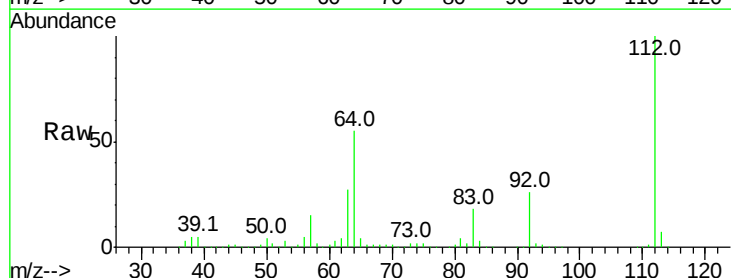
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



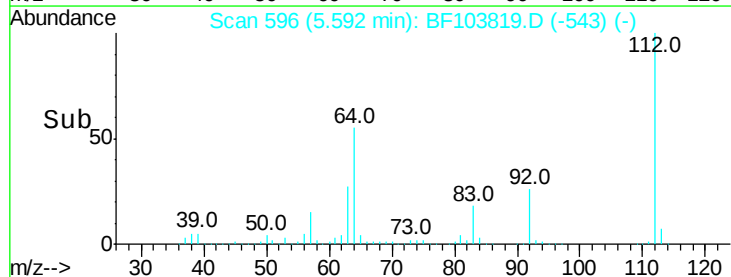
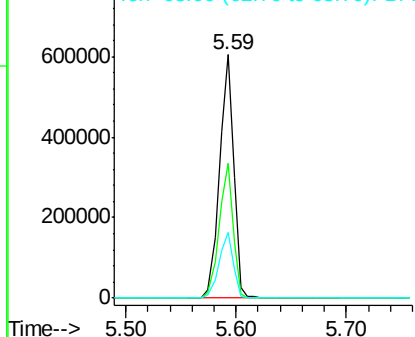
#5

2-Fluorophenol
Concen: 53.460 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF103819.D
Acq: 20 Mar 2018 22:48

Tgt Ion:112 Resp: 541683
Ion Ratio Lower Upper
112 100
64 55.2 47.9 71.9
63 26.9 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: 35.820 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.00 min

Lab File: BF103819.D

Acq: 20 Mar 2018 22:48

Instrument :

BNA_F

ClientSampleId :

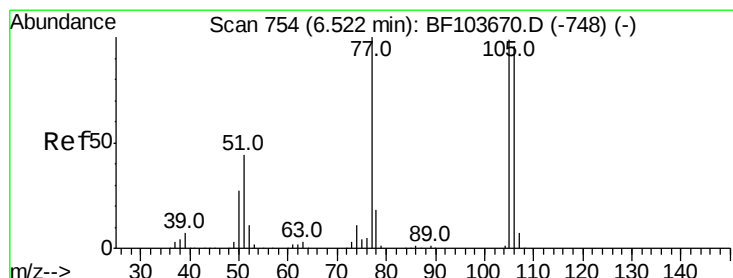
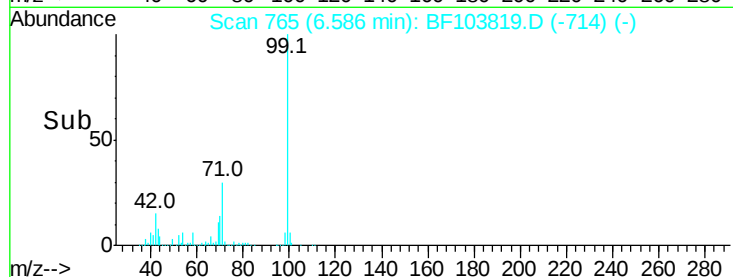
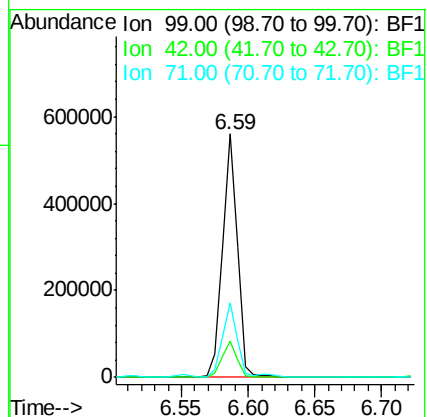
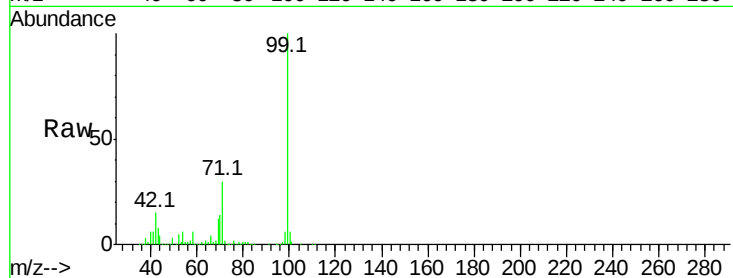
Tot Ion: 99 Resp: 444044

Ion Ratio Lower Upper

99 100

42 14.8 14.5 21.7

71 30.5 25.4 38.0



#9

Benzaldehyde

Concen: 2.824 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.22 min

Lab File: BF103819.D

Acq: 20 Mar 2018 22:48

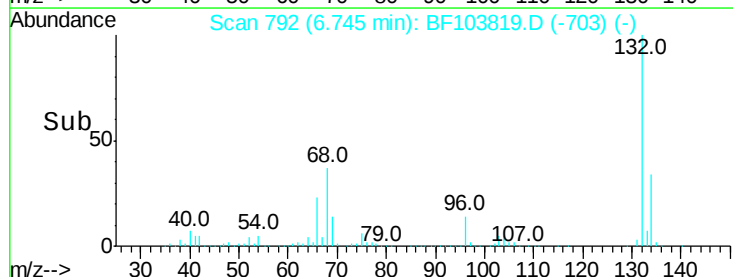
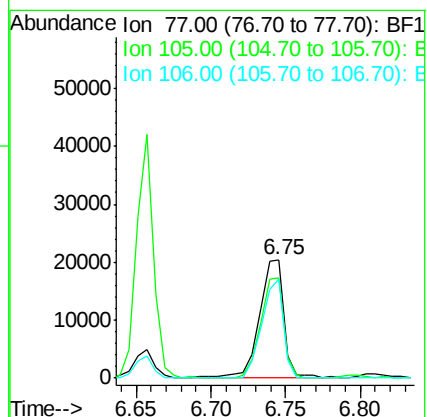
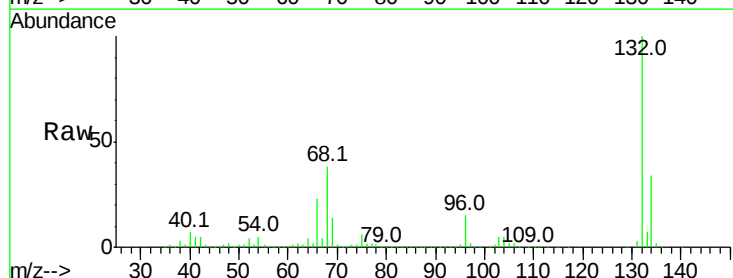
Tgt Ion: 77 Resp: 23000

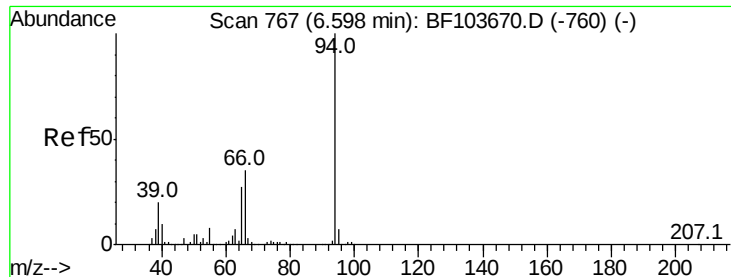
Ion Ratio Lower Upper

77 100

105 84.9 81.1 121.1

106 83.4 74.5 114.5

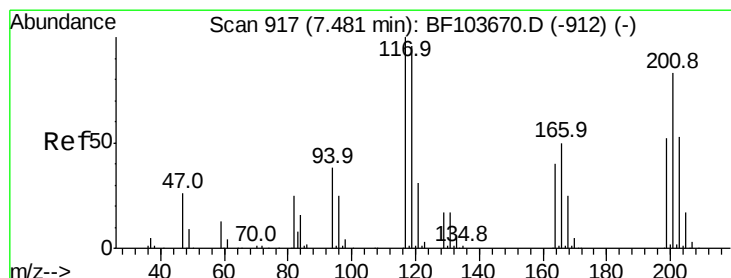
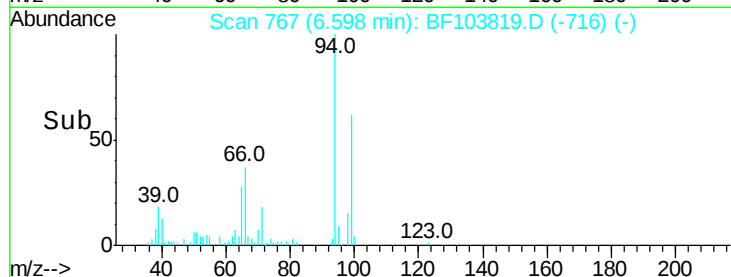
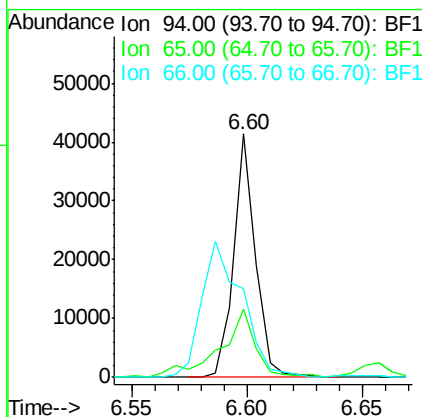
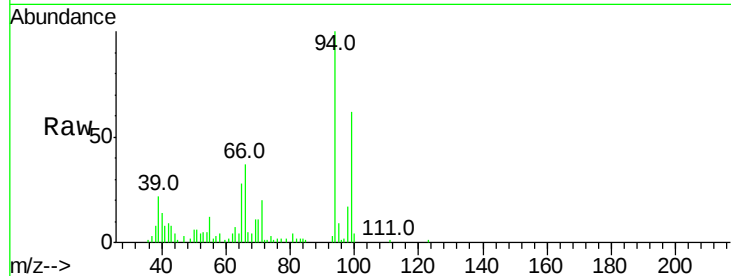




#10
Phenol
Concen: 2.058 ng
RT: 6.60 min Scan# 767
Delta R.T. -0.00 min
Lab File: BF103819.D
Acq: 20 Mar 2018 22:48

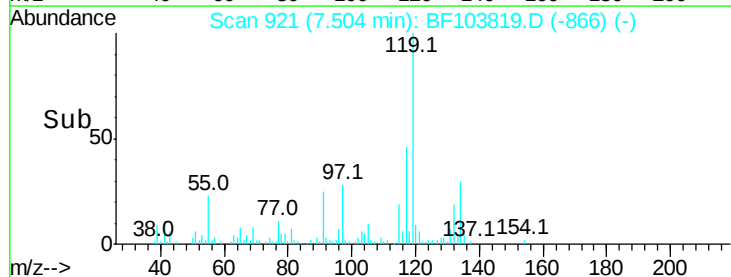
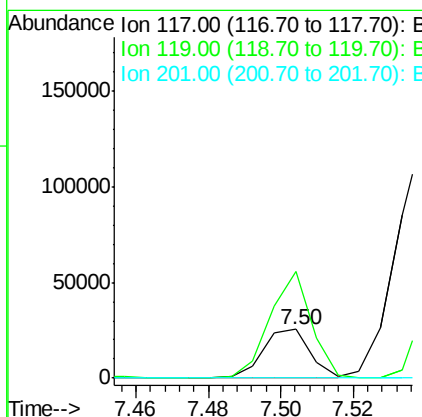
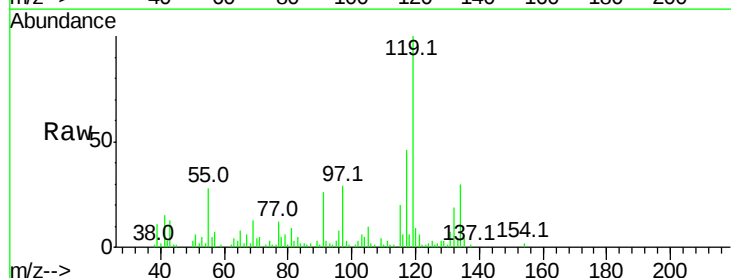
Instrument :
BNA_F
ClientSampleId :

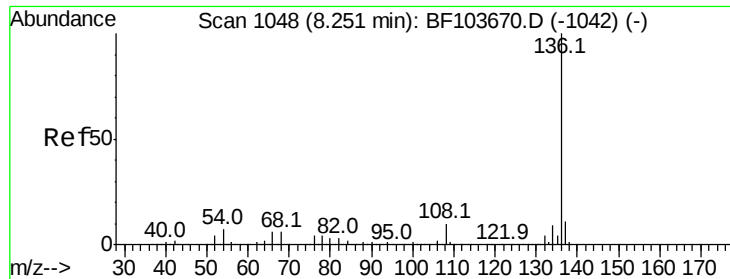
Tot Ion: 94 Resp: 27114
Ion Ratio Lower Upper
94 100
65 28.0 7.9 47.9
66 36.6 16.2 56.2



#18
Hexachloroethane
Concen: 5.399 ng
RT: 7.50 min Scan# 921
Delta R.T. 0.02 min
Lab File: BF103819.D
Acq: 20 Mar 2018 22:48

Tgt Ion: 117 Resp: 23069
Ion Ratio Lower Upper
117 100
119 217.0 75.8 113.8#
201 0.0 75.7 113.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF103819.D

Acq: 20 Mar 2018 22:48

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 640127

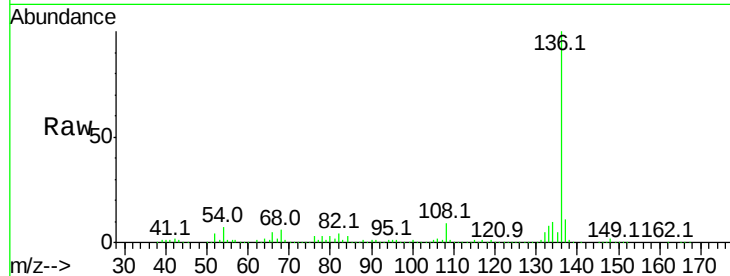
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 6.8 6.6 9.8

68 6.3 5.0 7.4

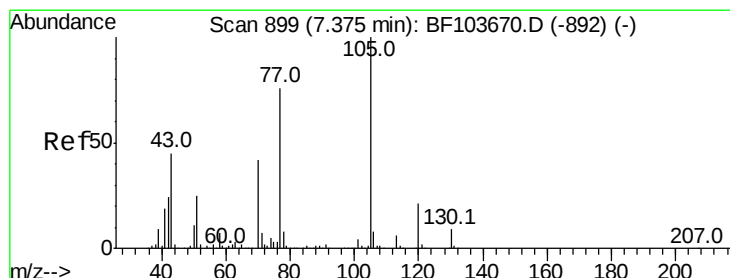
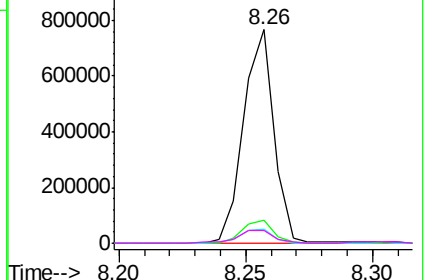
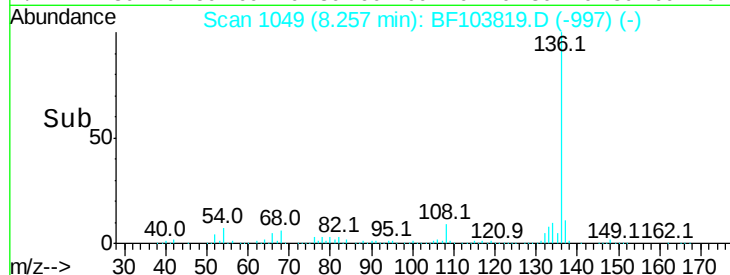


Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.528 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.02 min

Lab File: BF103819.D

Acq: 20 Mar 2018 22:48

Tgt Ion:105 Resp: 41586

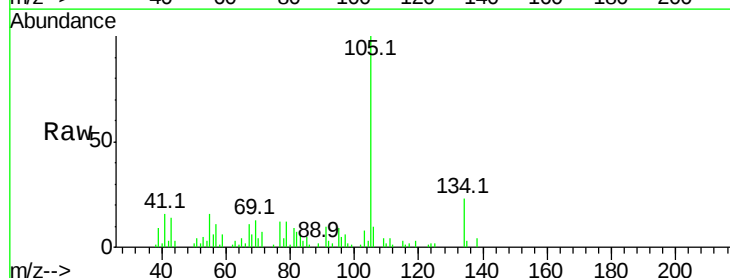
Ion Ratio Lower Upper

105 100

71 6.5 4.4 6.6

51 4.2 22.3 33.5#

120 0.0 16.9 25.3#

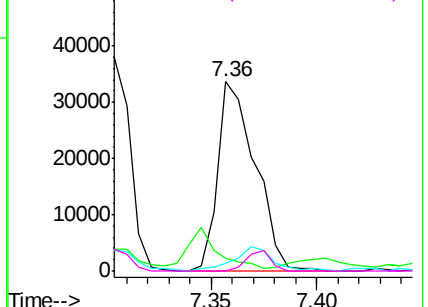
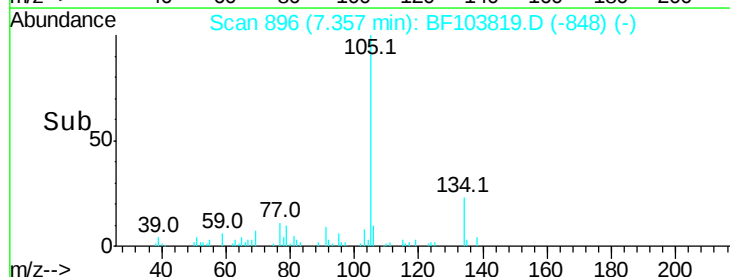


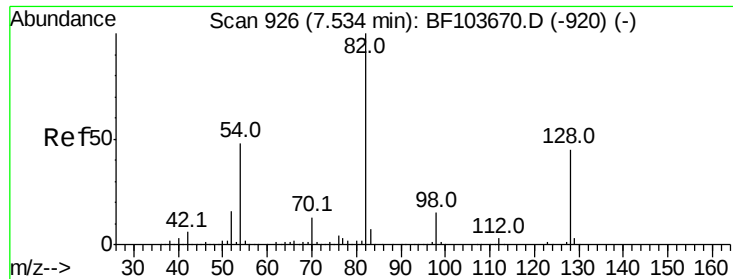
Abundance Ion 105.00 (104.70 to 105.70): E

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

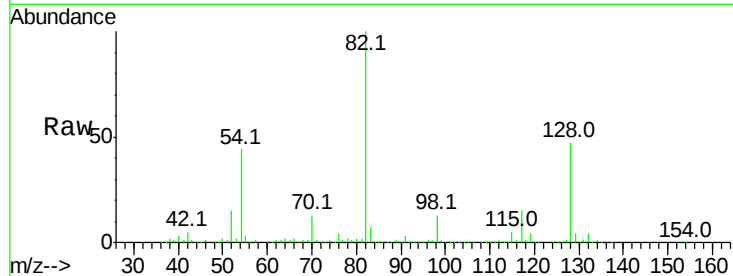




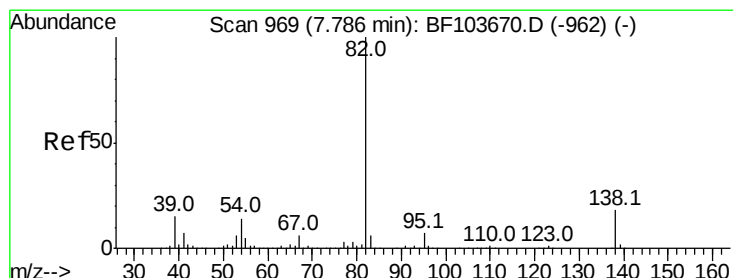
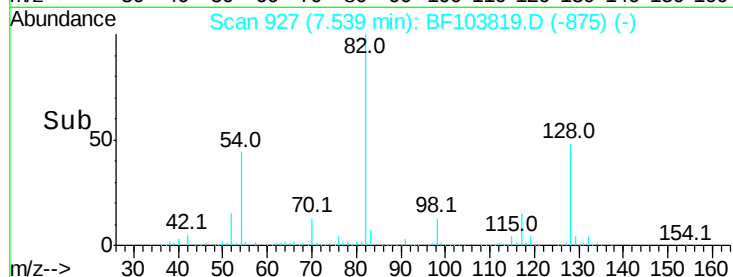
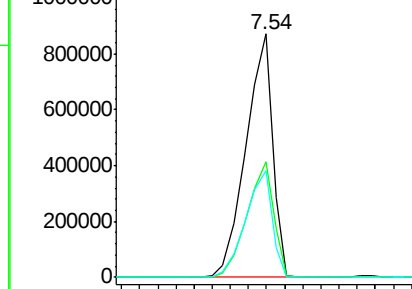
#23
Nitrobenzene-d5
Concen: 97.104 ng
RT: 7.54 min Scan# 927
Delta R.T. 0.01 min
Lab File: BF103819.D
Acq: 20 Mar 2018 22:48

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	891343
Ion Ratio	100	Lower	Upper
128	47.5	36.1	54.1
54	44.0	41.4	62.2

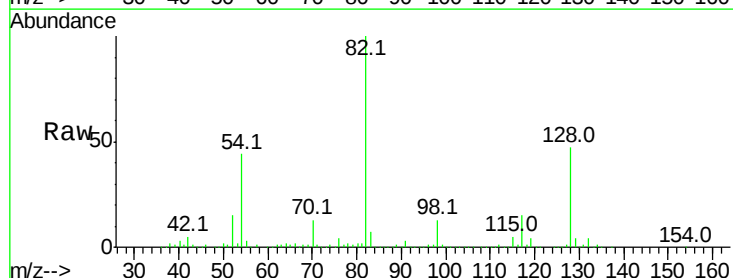


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

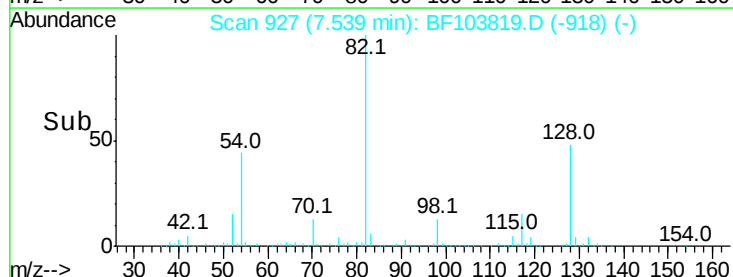
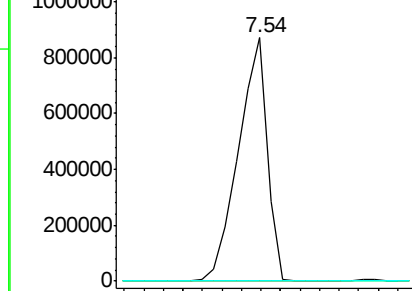


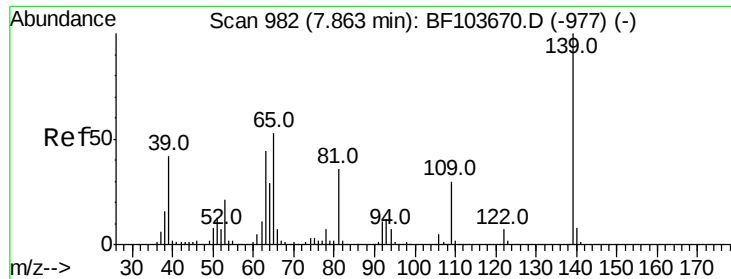
#25
Isophorone
Concen: 41.867 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.25 min
Lab File: BF103819.D
Acq: 20 Mar 2018 22:48

Tgt Ion	82	Resp	889644
Ion Ratio	100	Lower	Upper
95	0.2	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

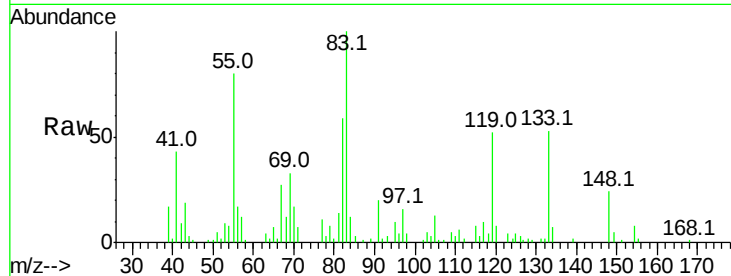




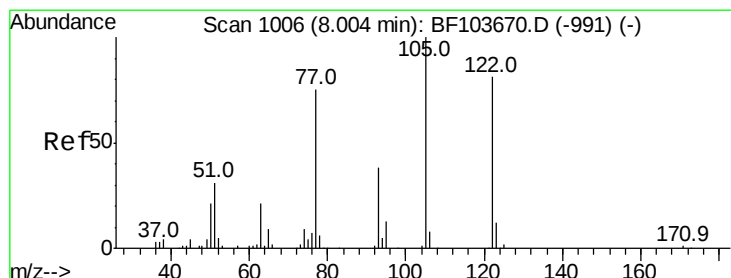
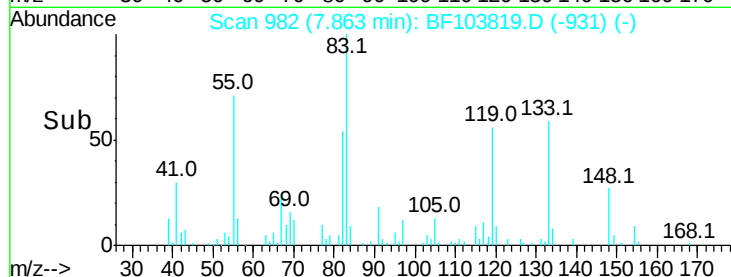
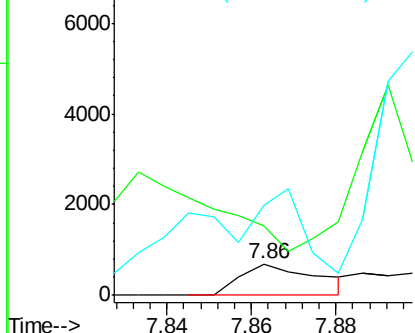
#26
2-Nitrophenol
Concen: 9.617 ng
RT: 7.86 min Scan# 982
Delta R.T. 0.00 min
Lab File: BF103819.D
Acq: 20 Mar 2018 22:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 874
Ion Ratio Lower Upper
139 100
109 222.5 22.7 34.1#
65 286.1 40.5 60.7#

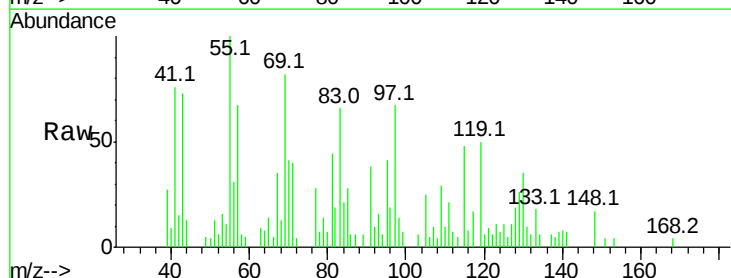


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

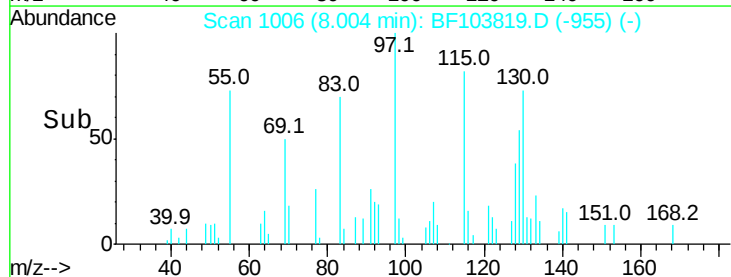
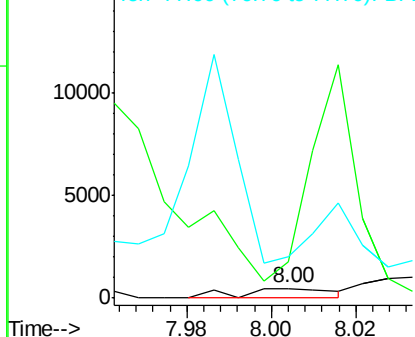


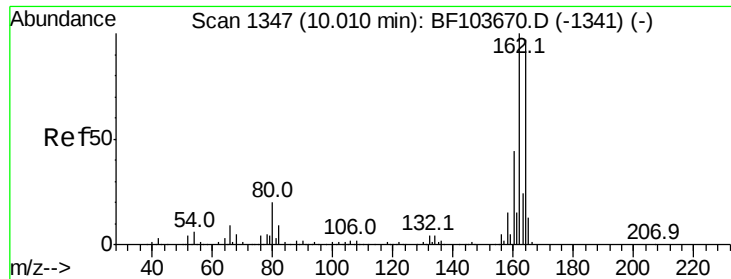
#32
Benzoic acid
Concen: 9.996 ng
RT: 8.00 min Scan# 1006
Delta R.T. 0.00 min
Lab File: BF103819.D
Acq: 20 Mar 2018 22:48

Tgt Ion:122 Resp: 735
Ion Ratio Lower Upper
122 100
105 385.1 101.1 141.1#
77 431.3 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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1348

Delta R.T. 0.01 min

Lab File: BF103819.D

Acq: 20 Mar 2018 22:48

Instrument :

BNA_F

ClientSampleId :

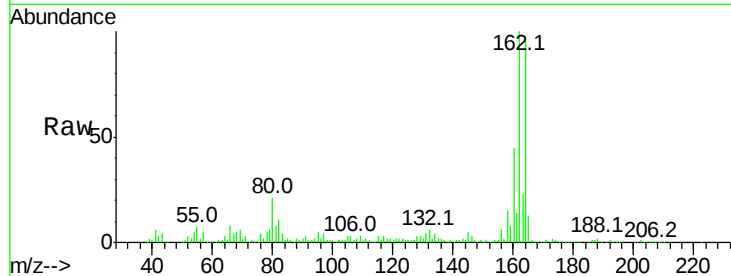
Tot Ion:164 Resp: 262618

Ion Ratio Lower Upper

164 100

162 104.1 86.1 129.1

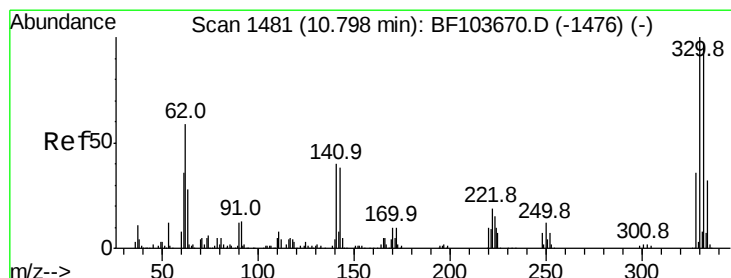
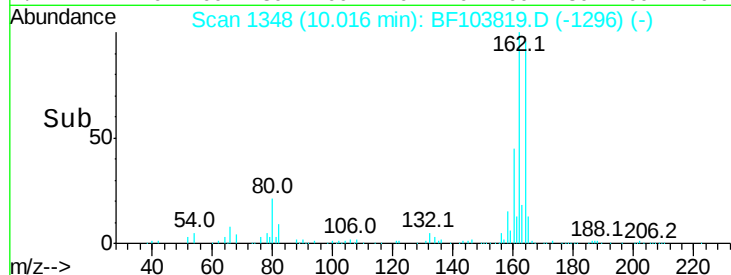
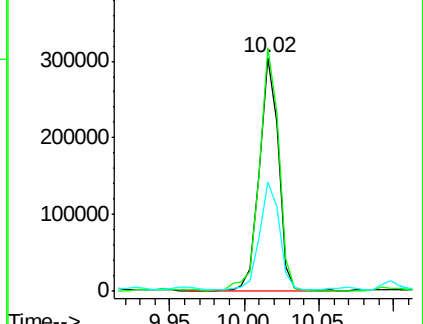
160 46.5 38.3 57.5



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: 152.000 ng

RT: 10.82 min Scan# 1484

Delta R.T. 0.02 min

Lab File: BF103819.D

Acq: 20 Mar 2018 22:48

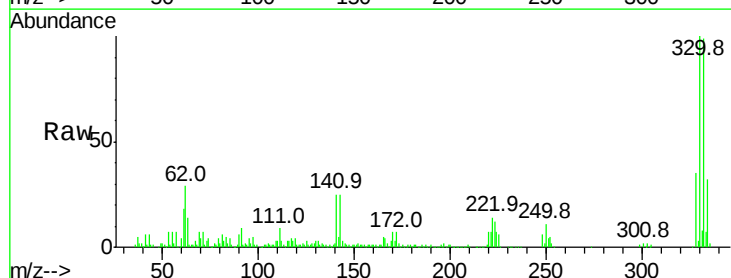
Tgt Ion:330 Resp: 343216

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

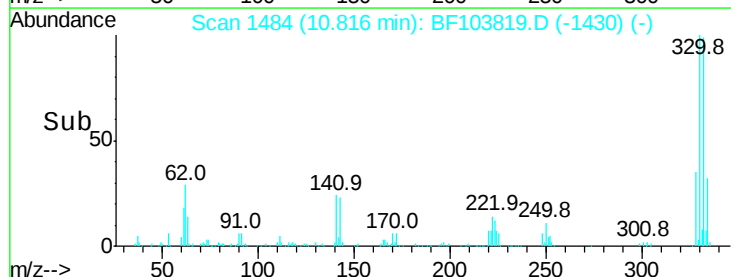
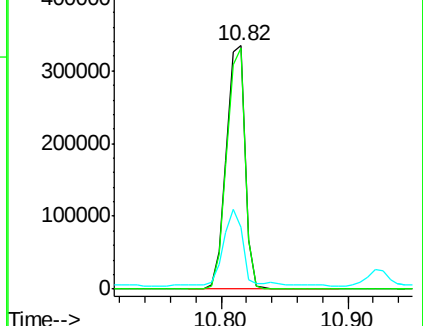
141 31.2 29.9 44.9

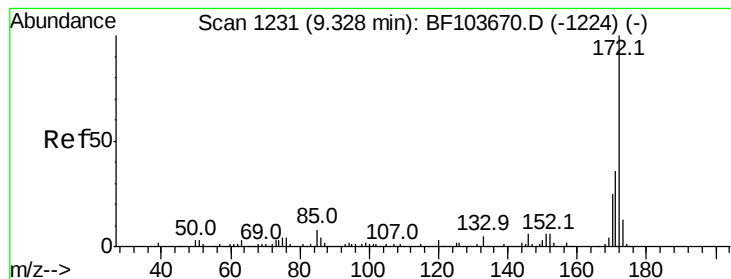


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 90.115 ng

RT: 9.33 min Scan# 1232

Delta R.T. 0.01 min

Lab File: BF103819.D

Acq: 20 Mar 2018 22:48

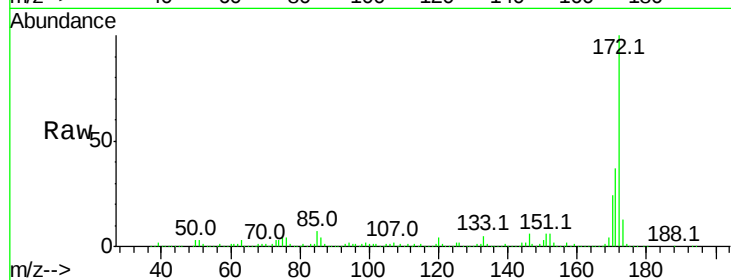
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 1483610

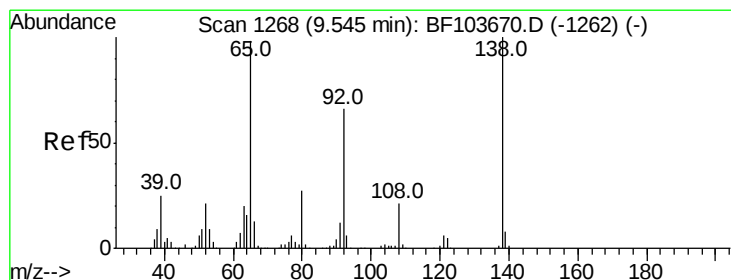
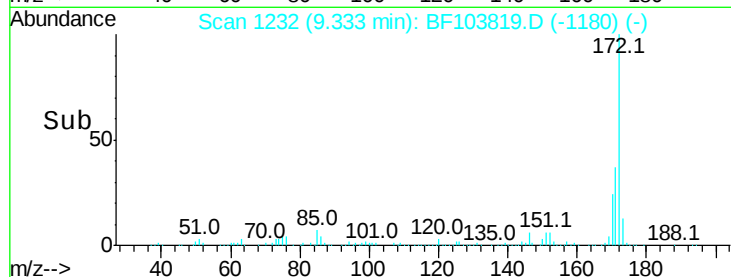
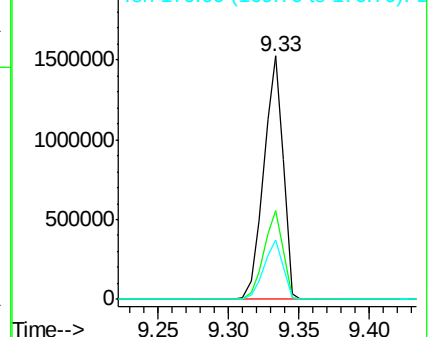
Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.3	19.6	29.4



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: 8.314 ng

RT: 9.57 min Scan# 1273

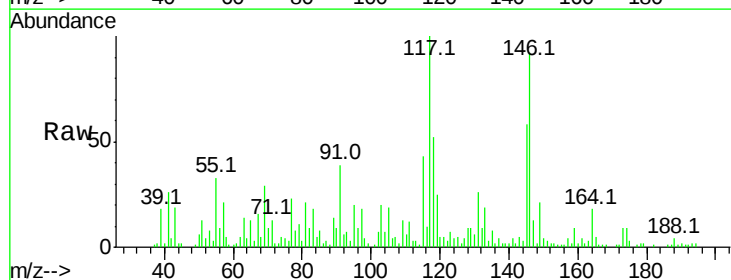
Delta R.T. 0.03 min

Lab File: BF103819.D

Acq: 20 Mar 2018 22:48

Tgt Ion: 65 Resp: 7953

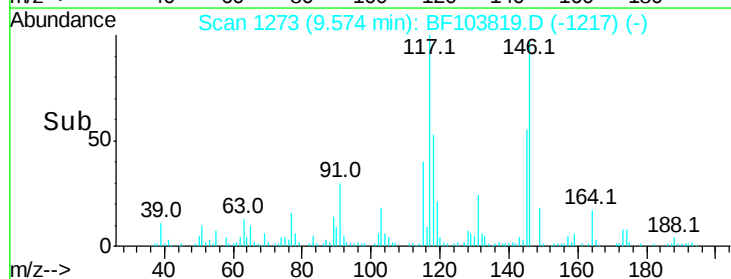
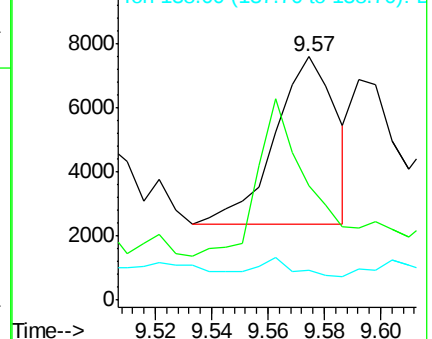
Ion	Ratio	Lower	Upper
65	100		
92	47.2	55.8	83.6#
138	12.3	91.2	136.8#

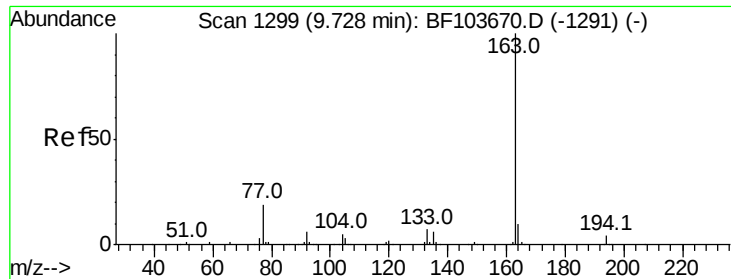


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E

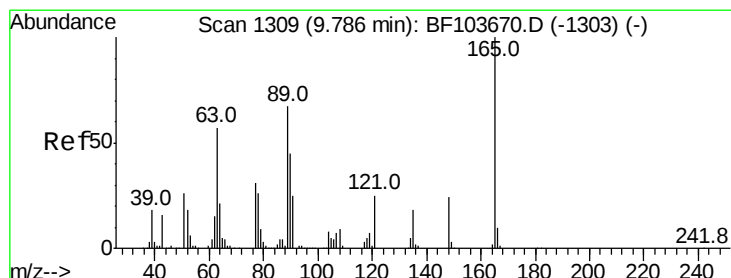
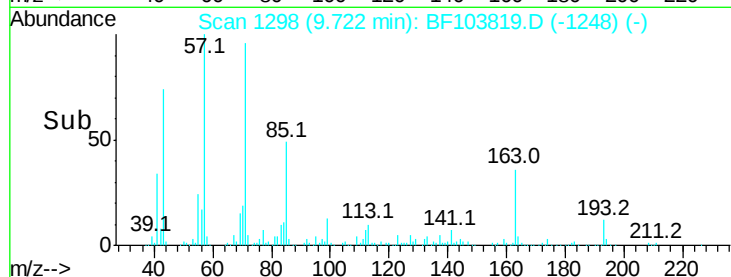
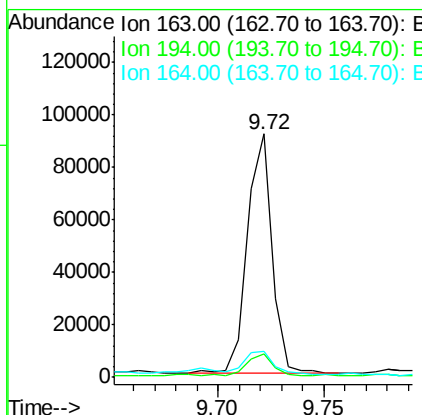
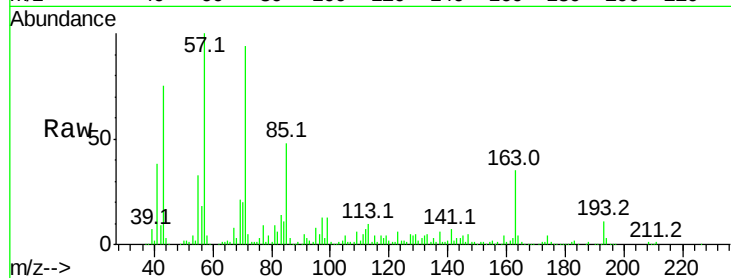




#49
Dimethylphthalate
Concen: 3.700 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF103819.D
Acq: 20 Mar 2018 22:48

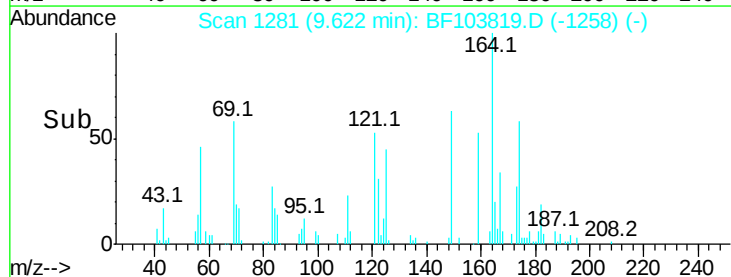
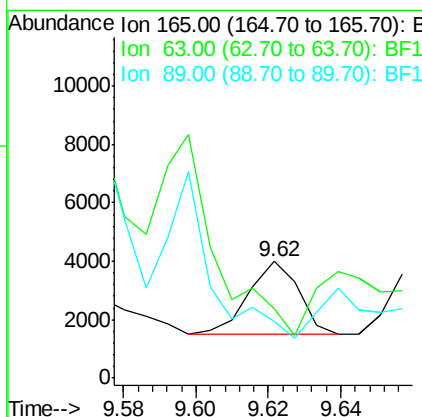
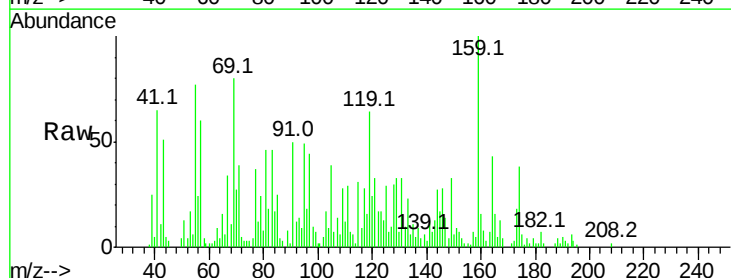
Instrument :
BNA_F
ClientSampleId :

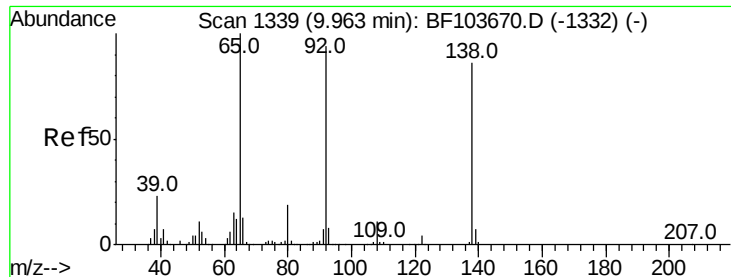
Tot Ion:163 Resp: 74142
Ion Ratio Lower Upper
163 100
194 9.4 2.7 4.1#
164 10.9 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 4.562 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.16 min
Lab File: BF103819.D
Acq: 20 Mar 2018 22:48

Tgt Ion:165 Resp: 2444
Ion Ratio Lower Upper
165 100
63 60.3 44.7 67.1
89 48.7 44.0 66.0

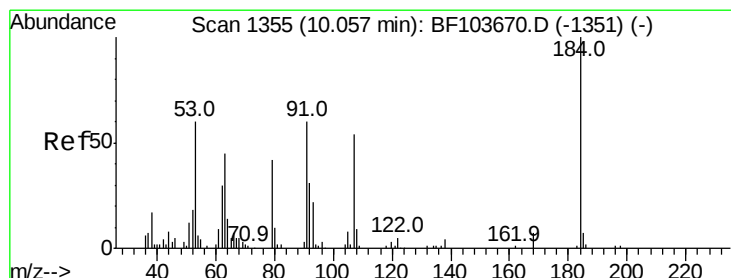
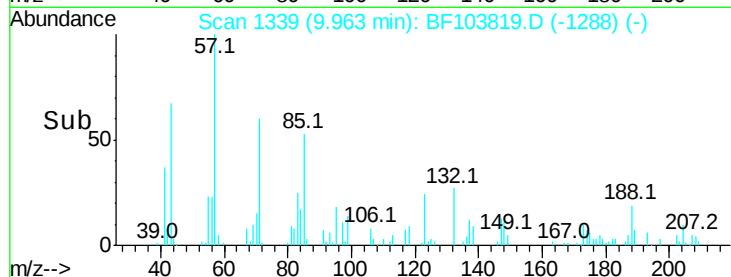
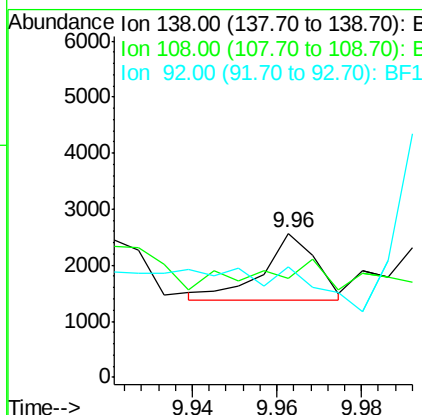
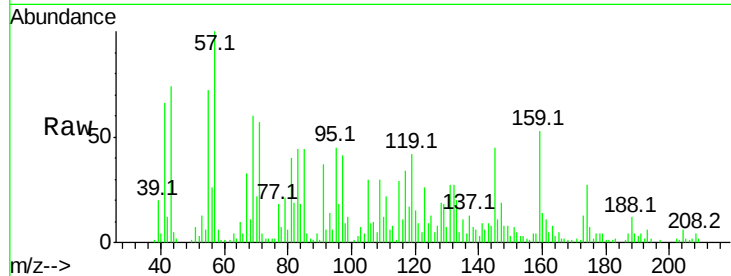




#52
3-Nitroaniline
Concen: 4.025 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.00 min
Lab File: BF103819.D
Acq: 20 Mar 2018 22:48

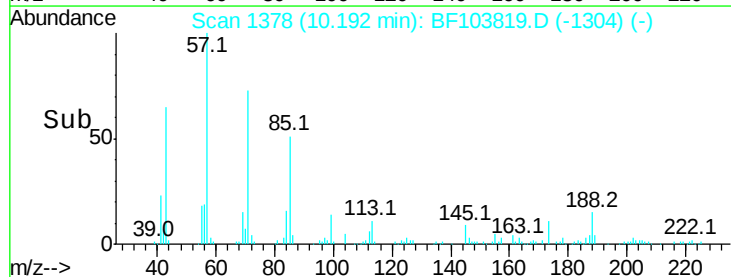
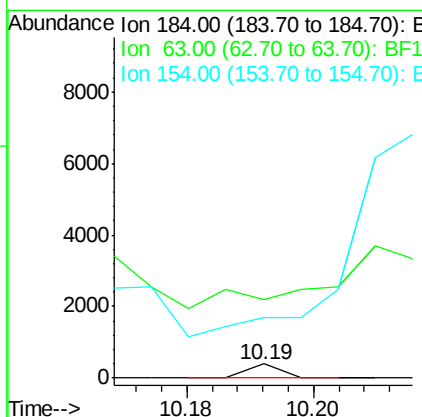
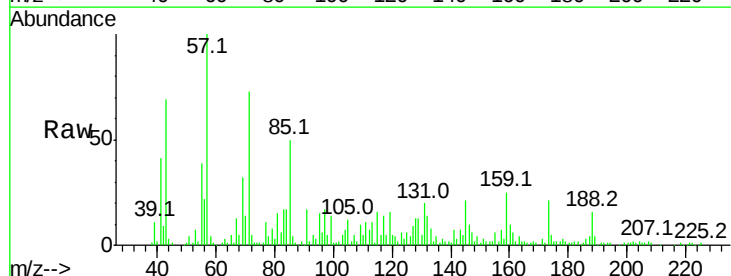
Instrument :
BNA_F
ClientSampleId :

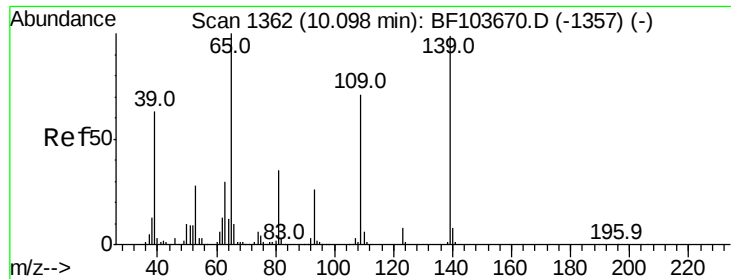
Tot Ion:138 Resp: 1061
Ion Ratio Lower Upper
138 100
108 68.5 9.4 14.0#
92 76.9 89.4 134.2#



#53
2,4-Dinitrophenol
Concen: 6.551 ng
RT: 10.19 min Scan# 1378
Delta R.T. 0.14 min
Lab File: BF103819.D
Acq: 20 Mar 2018 22:48

Tgt Ion:184 Resp: 139
Ion Ratio Lower Upper
184 100
63 561.6 54.2 81.2#
154 432.3 184.0 276.0#

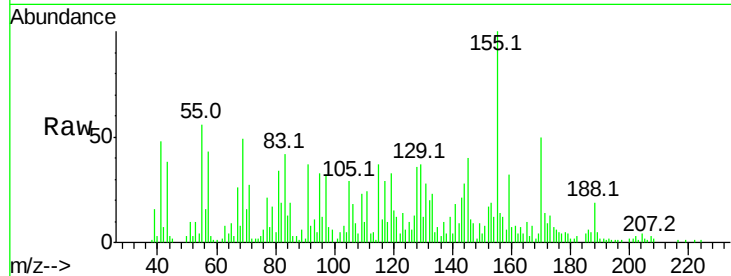




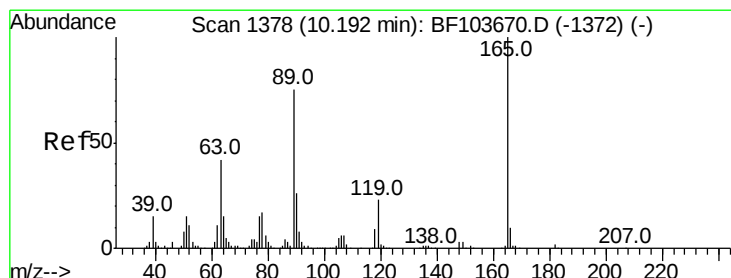
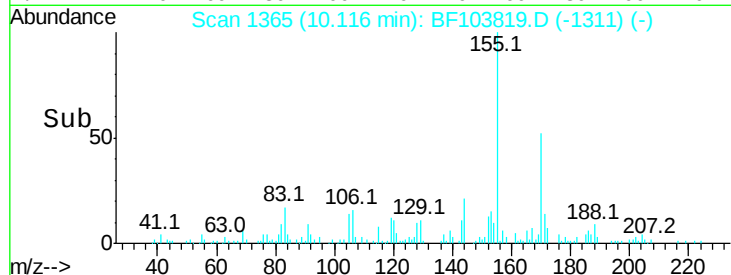
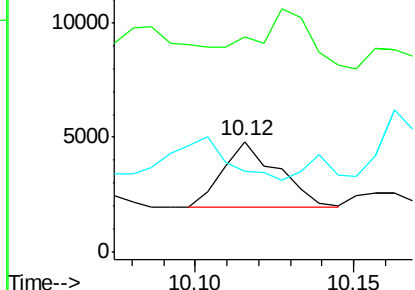
#55
4-Nitrophenol
Concen: 5.872 ng
RT: 10.12 min Scan# 1365
Delta R.T. 0.02 min
Lab File: BF103819.D
Acq: 20 Mar 2018 22:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 3529
Ion Ratio Lower Upper
139 100
109 195.2 48.4 88.4#
65 73.8 72.6 112.6

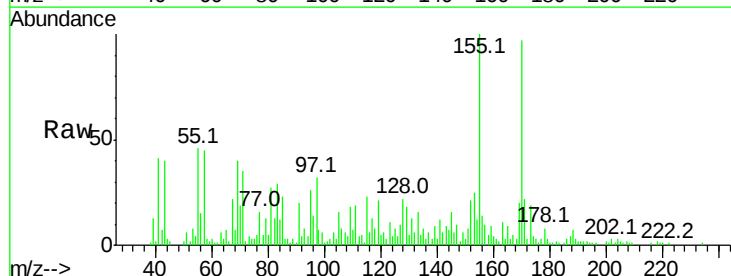


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

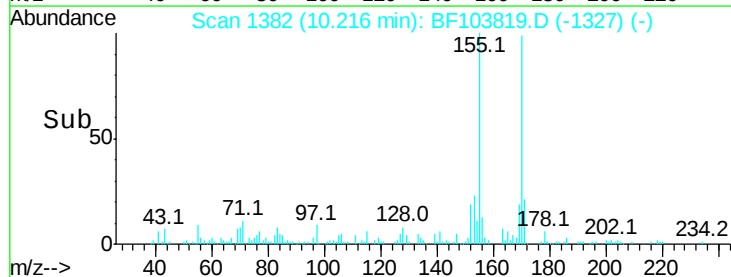
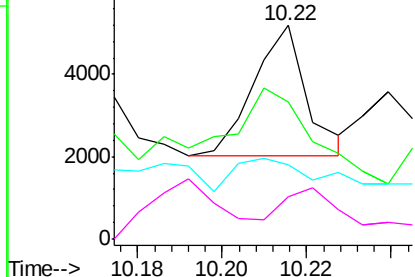


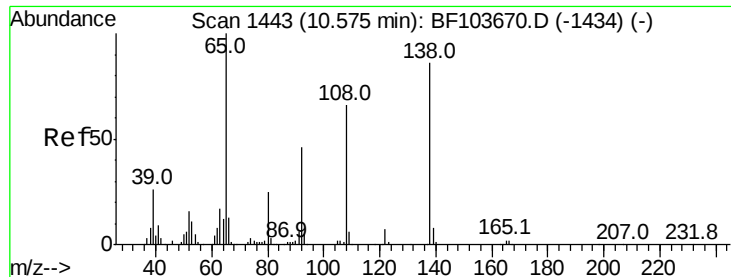
#56
2,4-Dinitrotoluene
Concen: 6.701 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.02 min
Lab File: BF103819.D
Acq: 20 Mar 2018 22:48

Tgt Ion:165 Resp: 2750
Ion Ratio Lower Upper
165 100
63 64.1 36.4 54.6#
89 34.5 57.8 86.6#
182 19.7 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

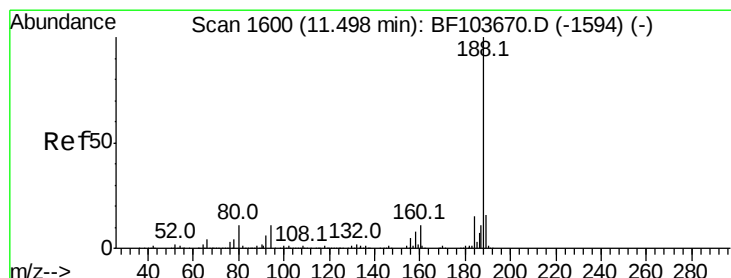
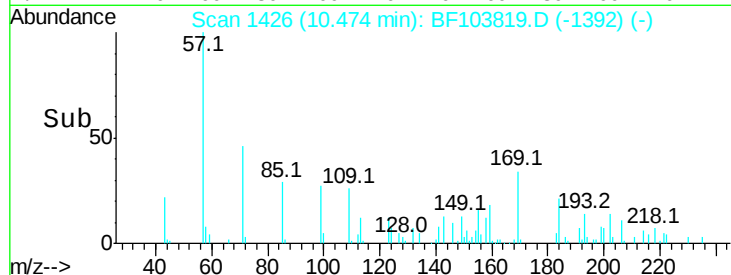
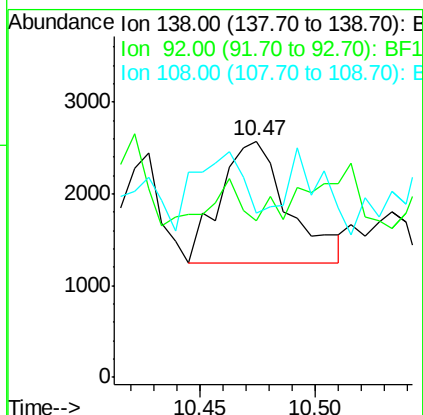
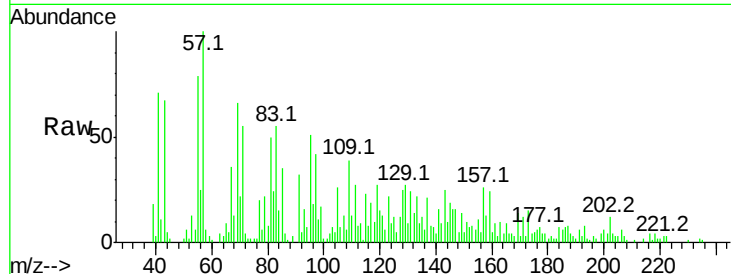




#61
4-Nitroaniline
Concen: 4.303 ng
RT: 10.47 min Scan# 1426
Delta R.T. -0.10 min
Lab File: BF103819.D
Acq: 20 Mar 2018 22:48

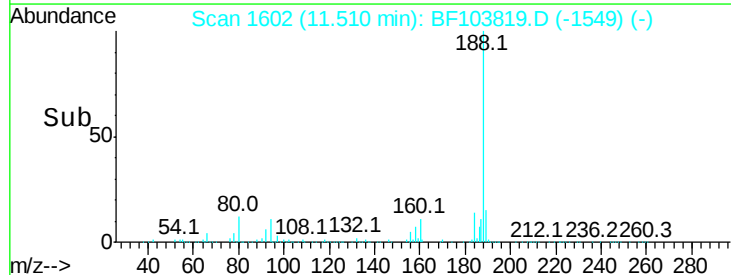
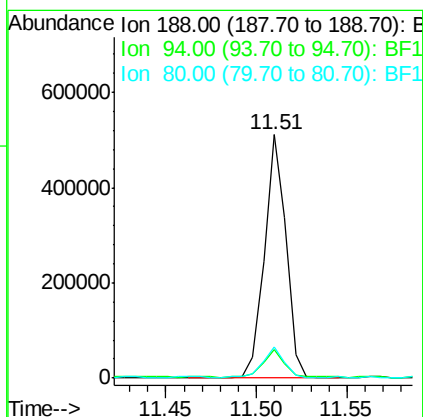
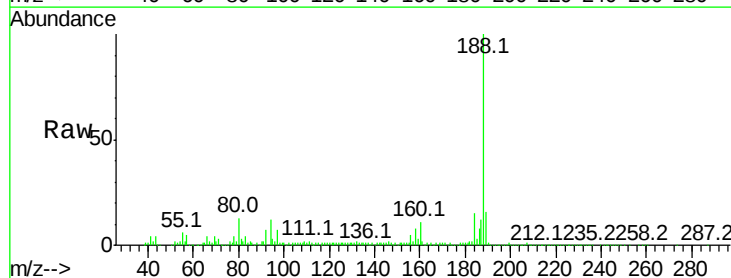
Instrument :
BNA_F
ClientSampleId :

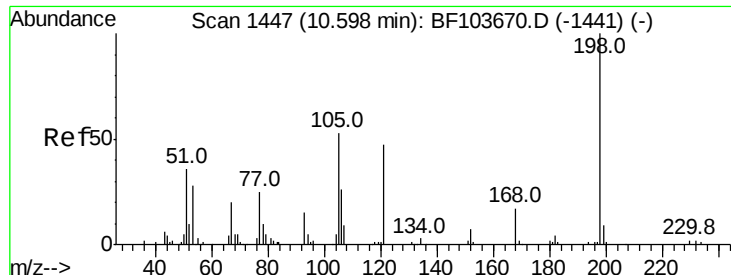
Tot Ion:138 Resp: 2683
Ion Ratio Lower Upper
138 100
92 66.1 30.2 70.2
108 69.2 52.5 92.5



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.01 min
Lab File: BF103819.D
Acq: 20 Mar 2018 22:48

Tgt Ion:188 Resp: 420714
Ion Ratio Lower Upper
188 100
94 11.8 8.5 12.7
80 12.6 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 8.425 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.03 min

Lab File: BF103819.D

Acq: 20 Mar 2018 22:48

Instrument :

BNA_F

ClientSampleId :

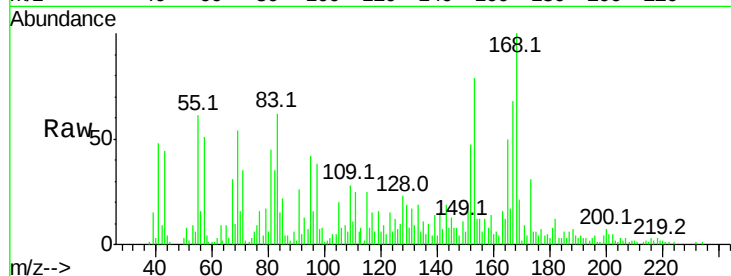
Tot Ion:198 Resp: 433

Ion Ratio Lower Upper

198 100

51 620.2 37.7 77.7#

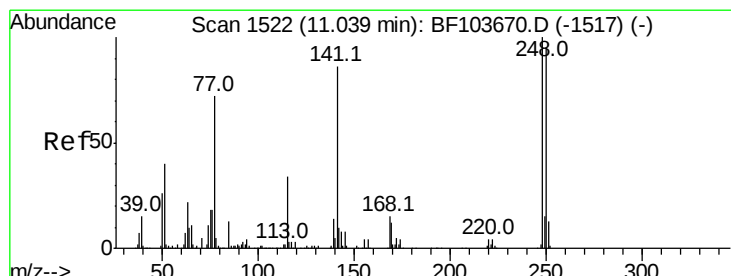
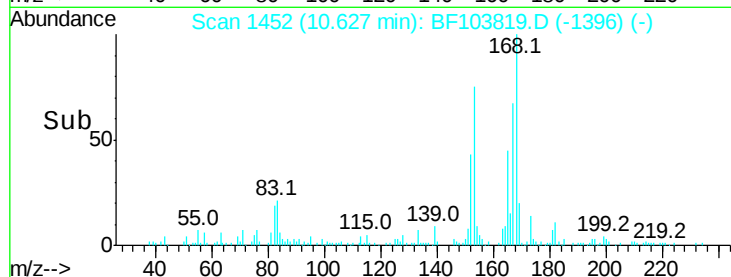
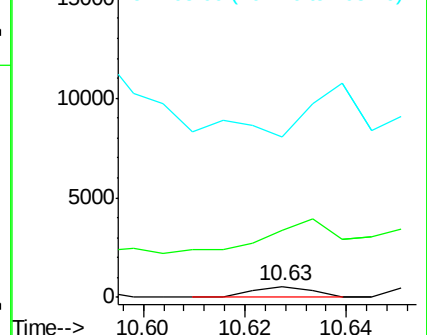
105 1475.6 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.727 ng

RT: 10.81 min Scan# 1483

Delta R.T. -0.23 min

Lab File: BF103819.D

Acq: 20 Mar 2018 22:48

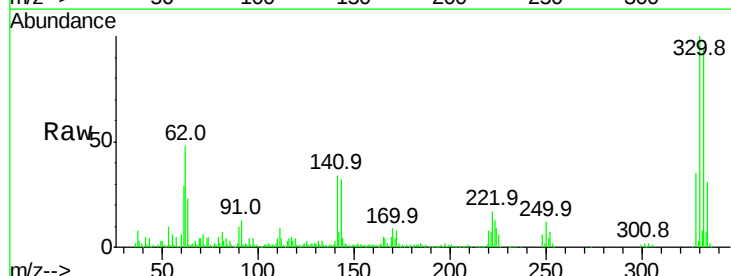
Tgt Ion:248 Resp: 20417

Ion Ratio Lower Upper

248 100

250 205.2 76.9 115.3#

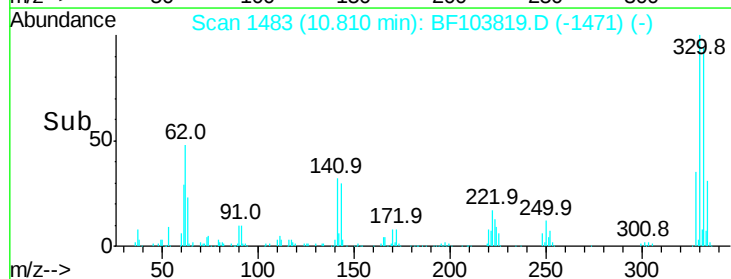
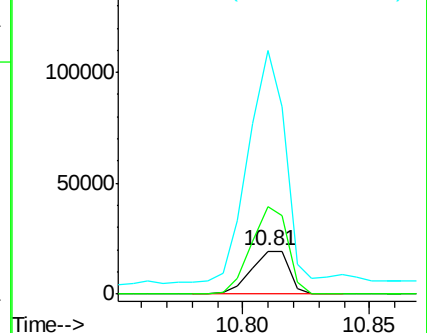
141 567.7 74.4 111.6#

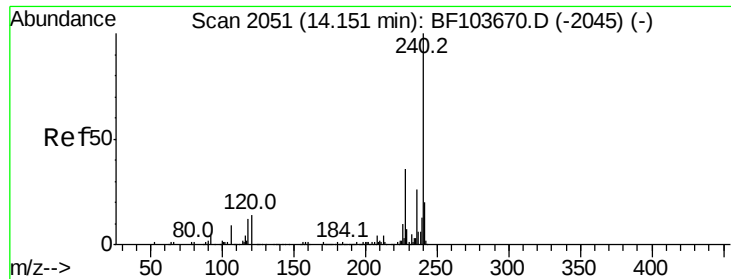


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.16 min Scan# 2052

Delta R.T. 0.01 min

Lab File: BF103819.D

Acq: 20 Mar 2018 22:48

Instrument :

BNA_F

ClientSampleId :

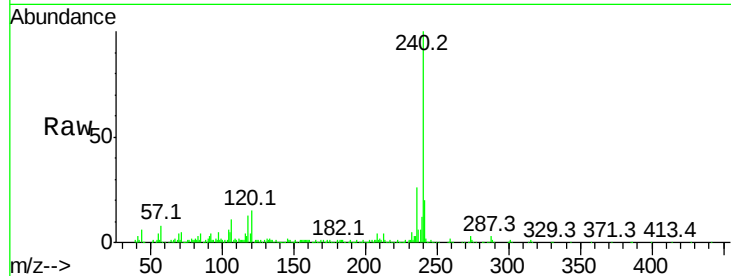
Tot Ion:240 Resp: 304266

Ion Ratio Lower Upper

240 100

120 15.1 9.5 14.3#

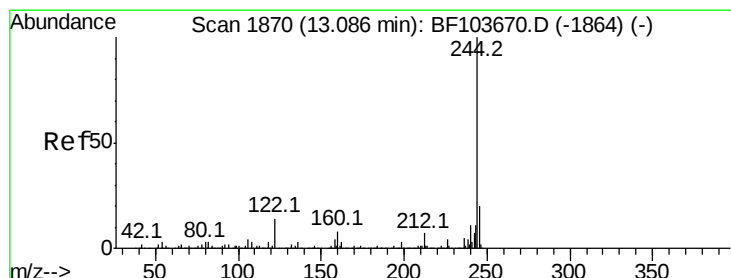
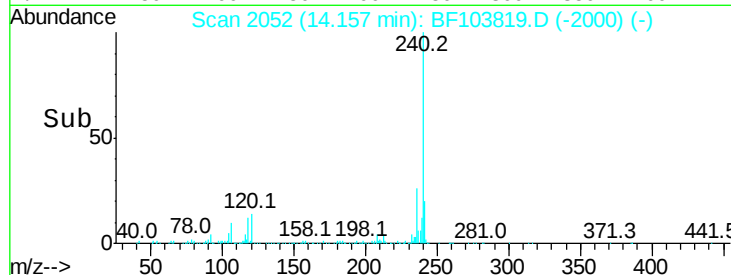
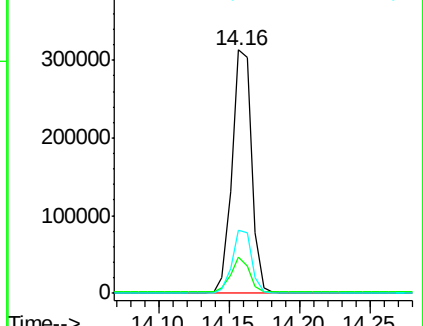
236 25.9 20.7 31.1



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: 91.303 ng

RT: 13.10 min Scan# 1872

Delta R.T. 0.01 min

Lab File: BF103819.D

Acq: 20 Mar 2018 22:48

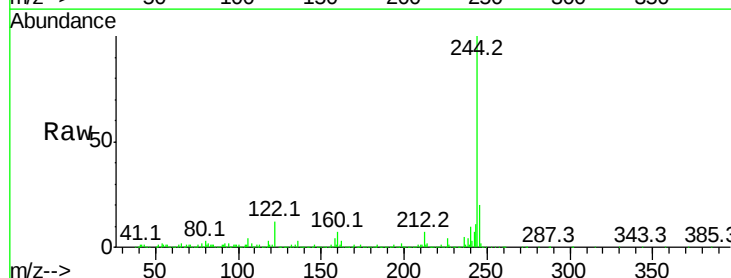
Tgt Ion:244 Resp: 1196840

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

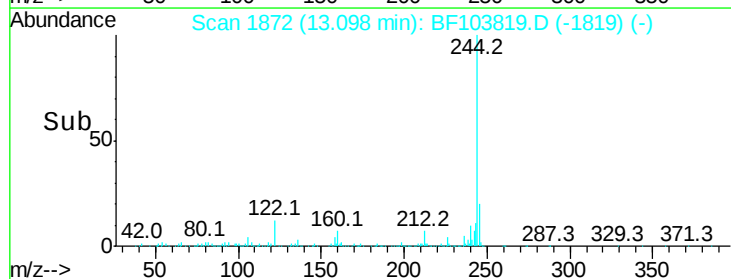
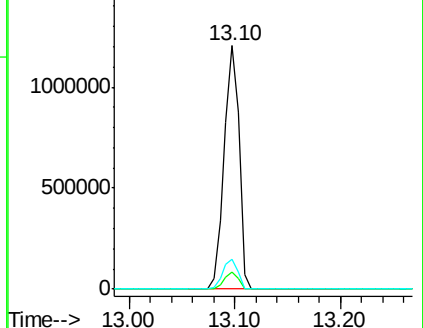
122 12.3 11.0 16.4

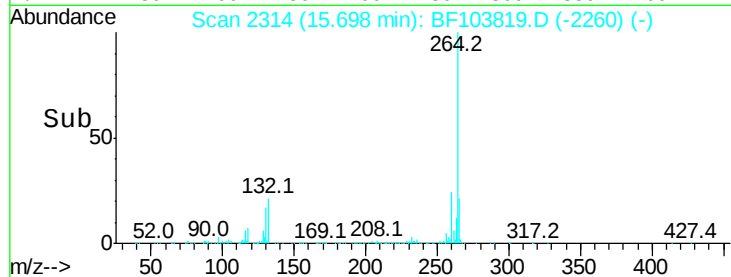
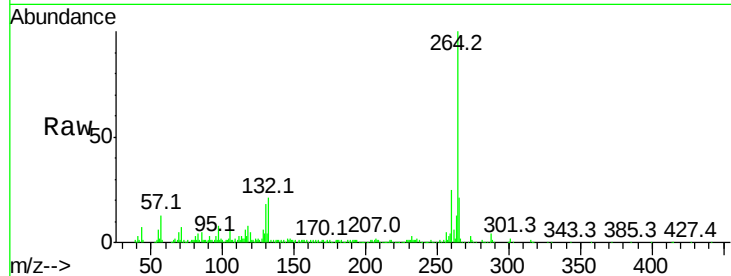
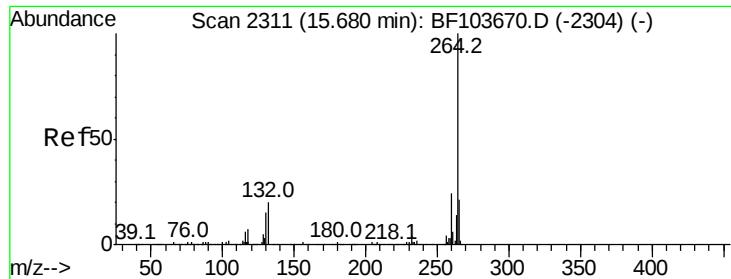


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2314
 Delta R.T. 0.02 min
 Lab File: BF103819.D
 Acq: 20 Mar 2018 22:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	21.2	17.5	26.3

