

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032318\
 Data File : BF103871.D
 Acq On : 23 Mar 2018 11:15
 Operator : JU/SJ
 Sample : J1993-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 23 13:28:30 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	157160	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	634570	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	302543	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	567814	20.00	ng	0.00
75) Chrysene-d12	14.17	240	529333	20.00	ng	0.00
86) Perylene-d12	15.74	264	477015	20.00	ng	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	640896	62.03	ng	0.00
7) Phenol-d6	6.59	99	494947	39.15	ng	0.00
23) Nitrobenzene-d5	7.54	82	1042814	114.60	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	448477	172.41	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1742393	91.87	ng	0.00
78) Terphenyl-d14	13.10	244	1853977	81.30	ng	0.00

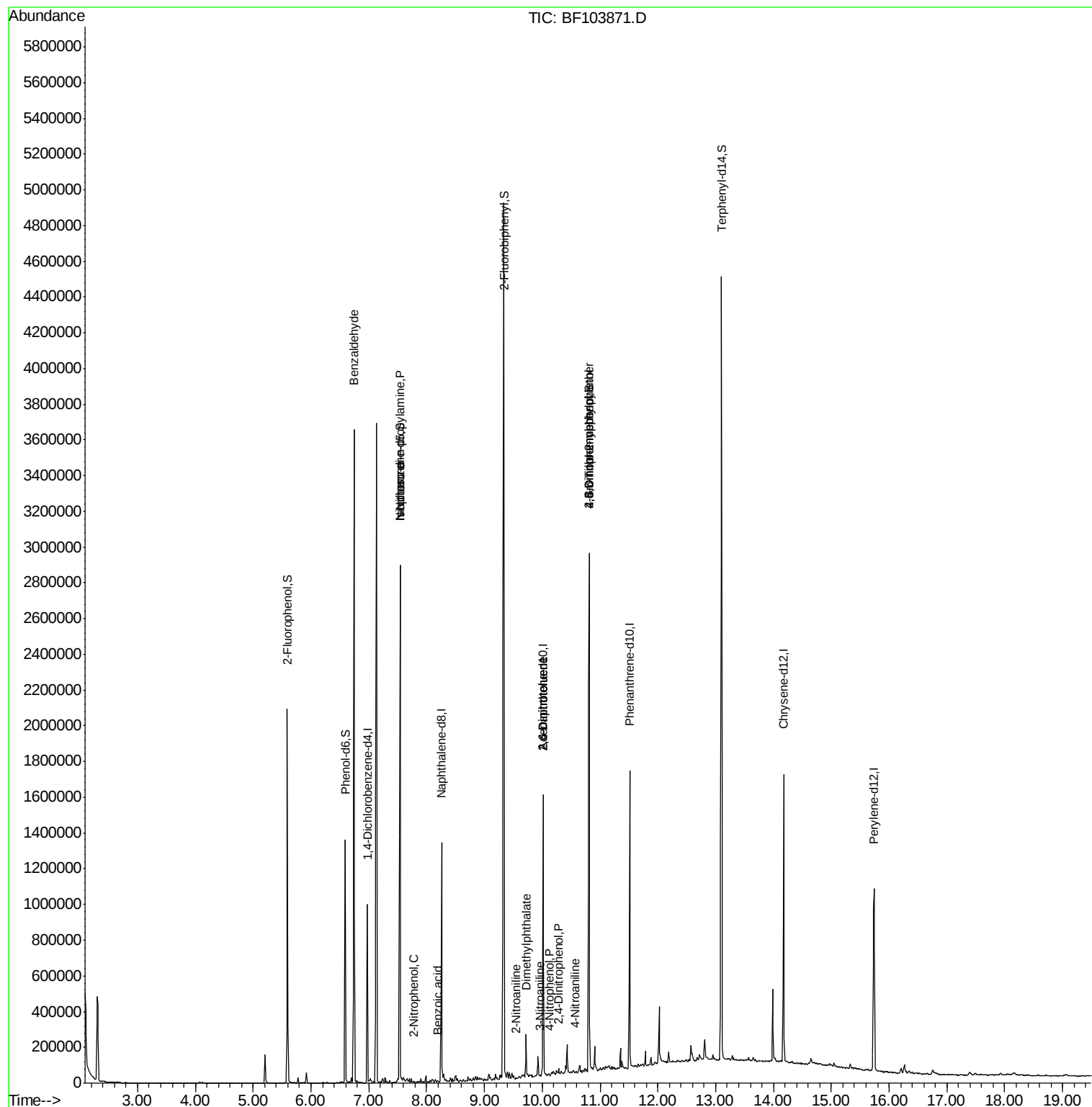
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.75	77	22594	2.721	ng	87
19) n-Nitroso-di-n-propylamine	7.54	70	136284	16.822	ng	# 73
25) Isophorone	7.54	82	1042804	49.504	ng	# 64
26) 2-Nitrophenol	7.79	139	227	9.491	ng	# 7
32) Benzoic acid	8.19	122	308	9.944	ng	# 69
47) 2-Nitroaniline	9.55	65	219	6.850	ng	# 2
49) Dimethylphthalate	9.72	163	83070	3.599	ng	100
50) 2,6-Dinitrotoluene	10.02	165	40194	12.238	ng	# 26
52) 3-Nitroaniline	9.97	138	118	3.835	ng	# 2
53) 2,4-Dinitrophenol	10.28	184	368	6.923	ng	# 1
55) 4-Nitrophenol	10.13	139	922	5.174	ng	# 1
56) 2,4-Dinitrotoluene	10.02	165	40187	12.398	ng	# 23
61) 4-Nitroaniline	10.57	138	575	3.852	ng	# 17
64) 4,6-Dinitro-2-methylphenol	10.81	198	913	8.598	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	27317	4.686	ng	# 1

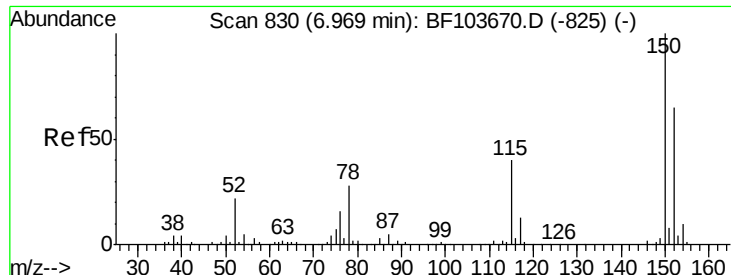
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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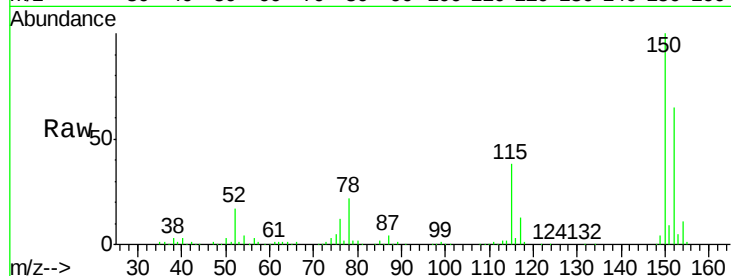


#1

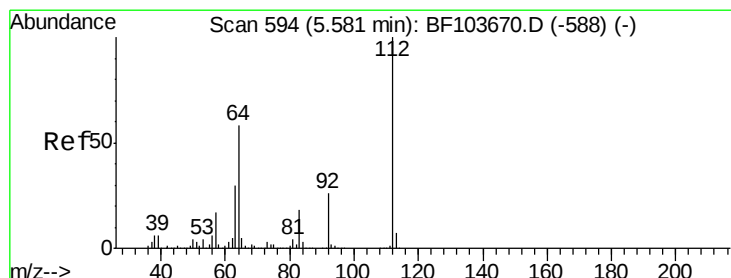
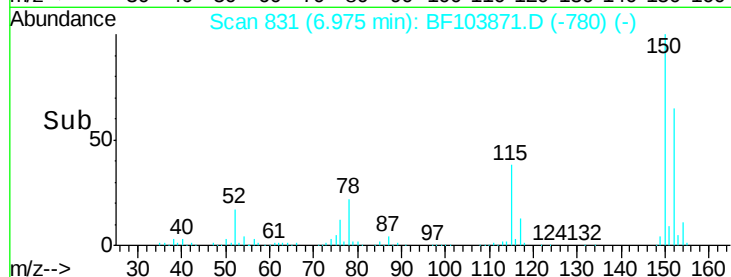
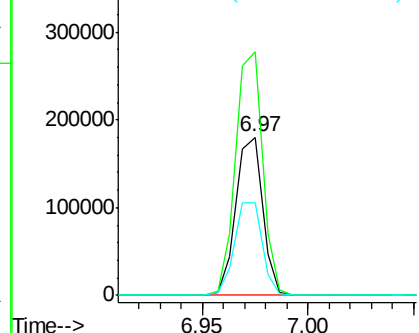
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF103871.D
Acq: 23 Mar 2018 11:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 157160
Ion Ratio Lower Upper
152 100
150 154.0 124.6 186.8
115 58.3 50.1 75.1



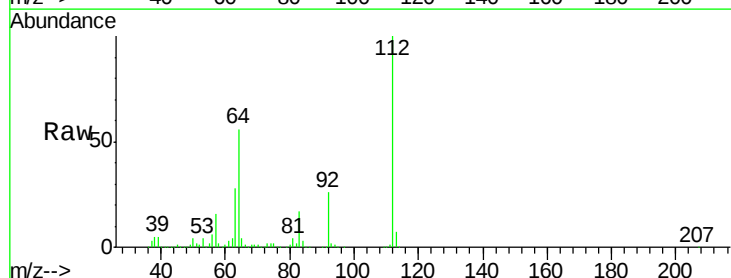
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



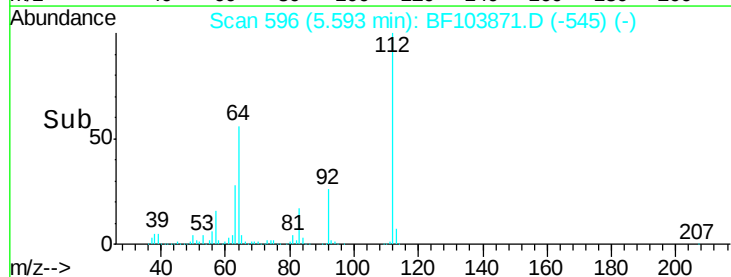
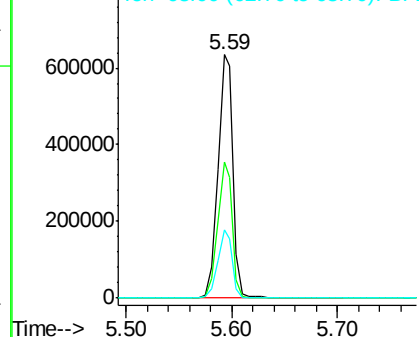
#5

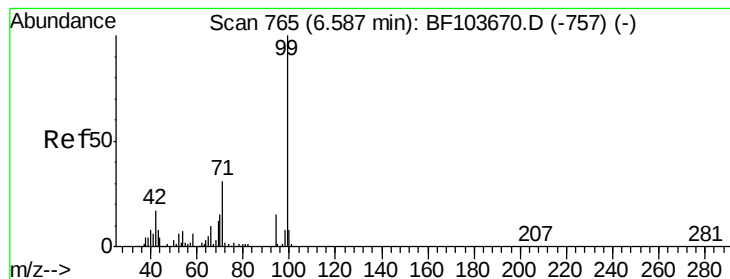
2-Fluorophenol
Concen: 62.026 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.00 min
Lab File: BF103871.D
Acq: 23 Mar 2018 11:15

Tgt Ion:112 Resp: 640896
Ion Ratio Lower Upper
112 100
64 56.0 47.9 71.9
63 28.3 23.7 35.5



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





#7

Phenol-d6

Concen: 39.153 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF103871.D

Acq: 23 Mar 2018 11:15

Instrument :

BNA_F

ClientSampleId :

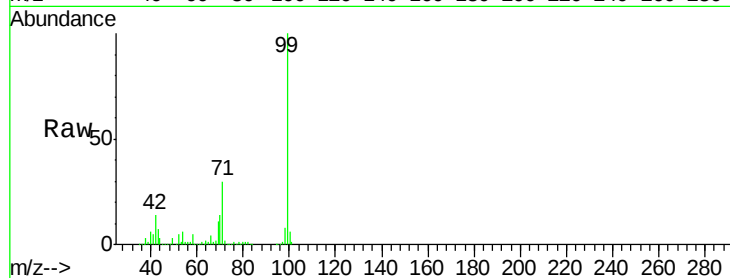
Tot Ion: 99 Resp: 494947

Ion Ratio Lower Upper

99 100

42 14.3 14.5 21.7#

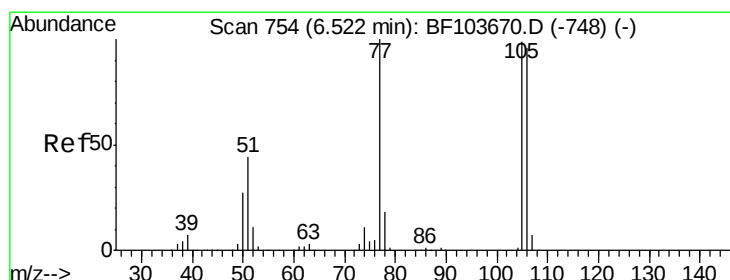
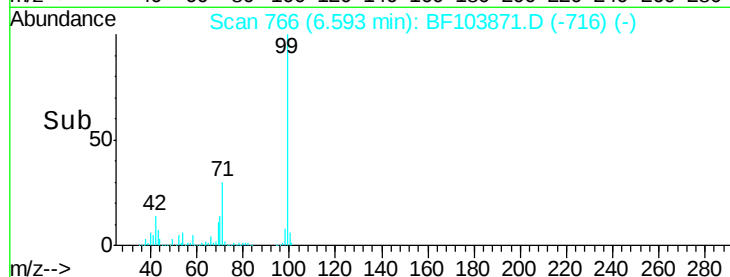
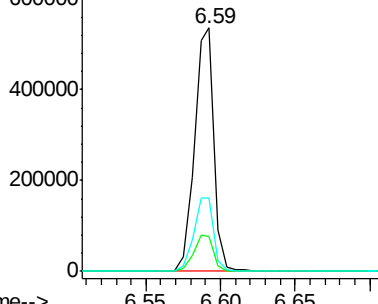
71 30.0 25.4 38.0



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: 2.721 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.22 min

Lab File: BF103871.D

Acq: 23 Mar 2018 11:15

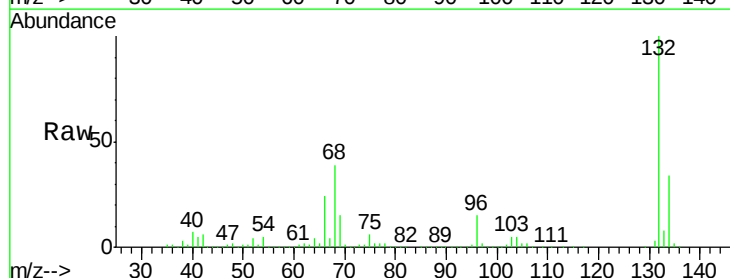
Tgt Ion: 77 Resp: 22594

Ion Ratio Lower Upper

77 100

105 88.3 81.1 121.1

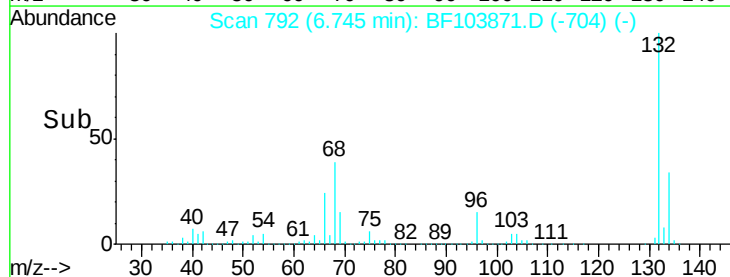
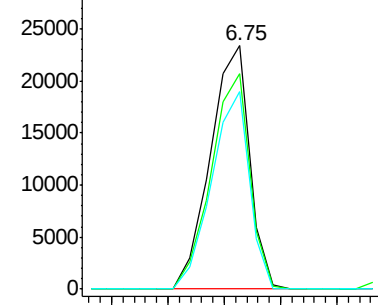
106 81.3 74.5 114.5

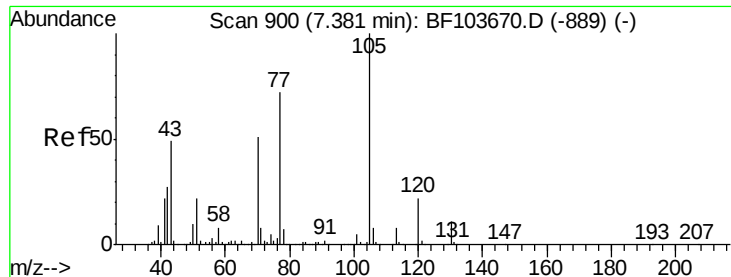


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

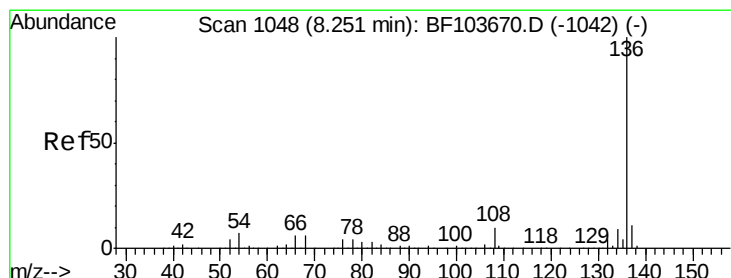
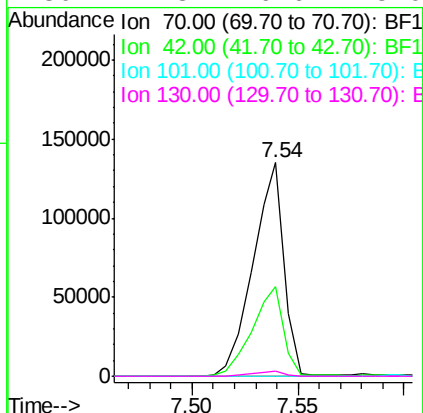
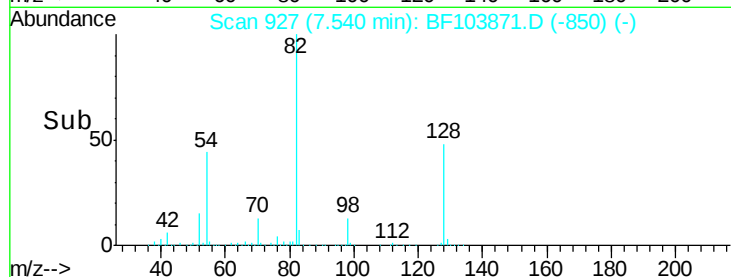
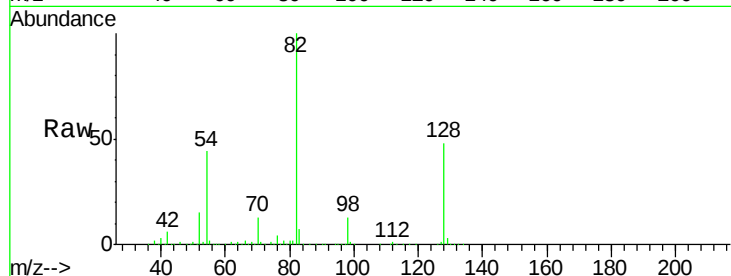




#19
n-Nitroso-di-n-propylamine
Concen: 16.822 ng
RT: 7.54 min Scan# 927
Delta R.T. 0.15 min
Lab File: BF103871.D
Acq: 23 Mar 2018 11:15

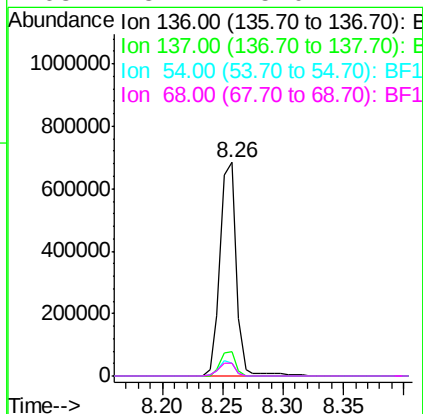
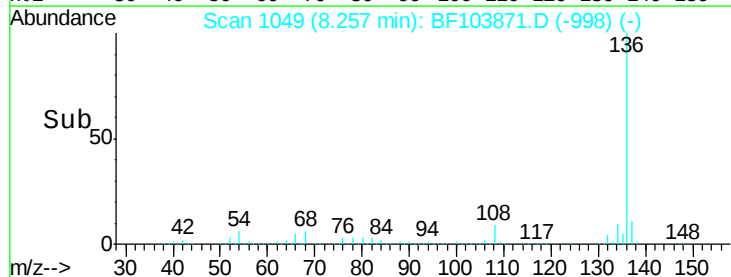
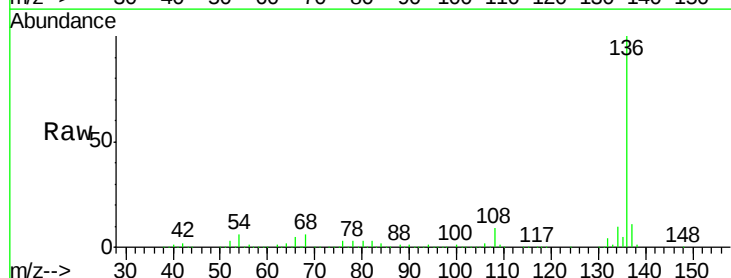
Instrument :
BNA_F
ClientSampleId :

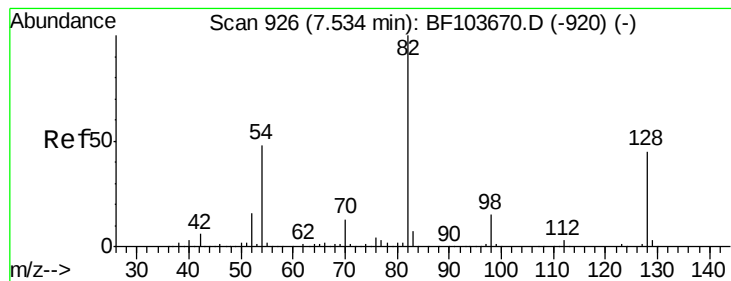
Tot Ion: 70 Resp: 136284
Ion Ratio Lower Upper
70 100
42 42.0 47.5 71.3#
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. 0.00 min
Lab File: BF103871.D
Acq: 23 Mar 2018 11:15

Tgt Ion: 136 Resp: 634570
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 6.3 6.6 9.8#
68 5.7 5.0 7.4





#23

Nitrobenzene-d5

Concen: 114.600 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.00 min

Lab File: BF103871.D

Acq: 23 Mar 2018 11:15

Instrument :

BNA_F

ClientSampleId :

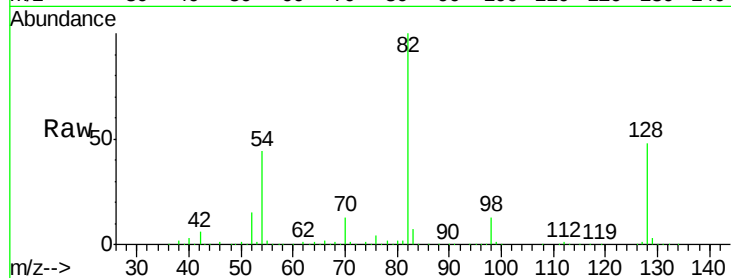
Tot Ion: 82 Resp: 1042814

Ion Ratio Lower Upper

82 100

128 47.9 36.1 54.1

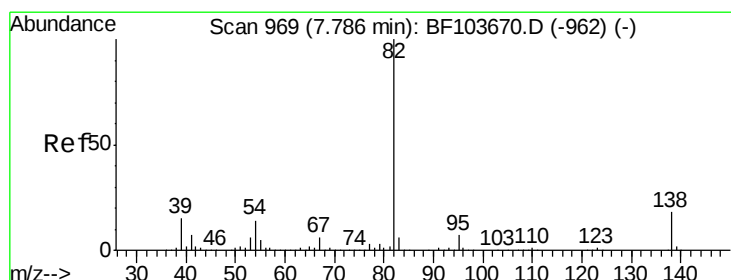
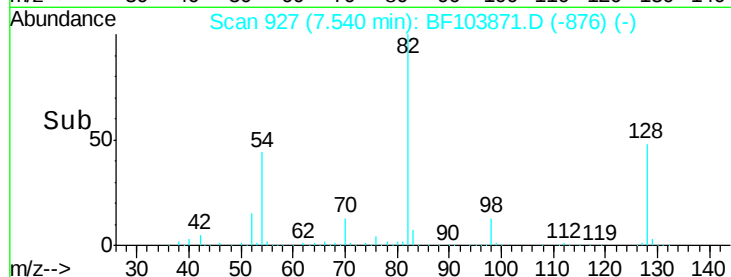
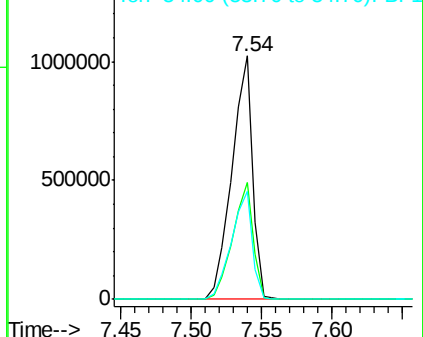
54 44.2 41.4 62.2



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: 49.504 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.25 min

Lab File: BF103871.D

Acq: 23 Mar 2018 11:15

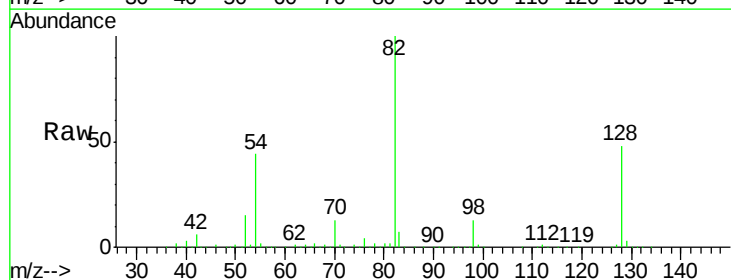
Tgt Ion: 82 Resp: 1042804

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

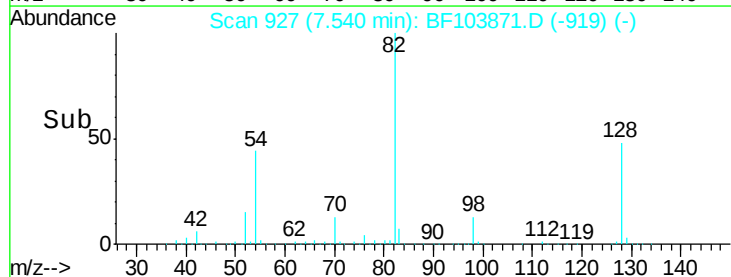
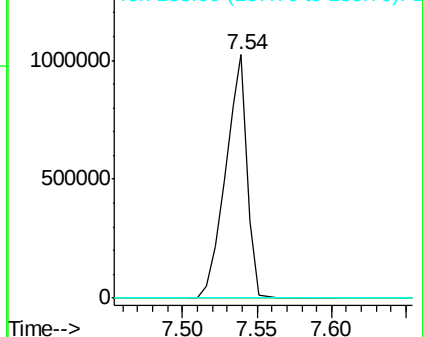
138 0.0 14.9 22.3#

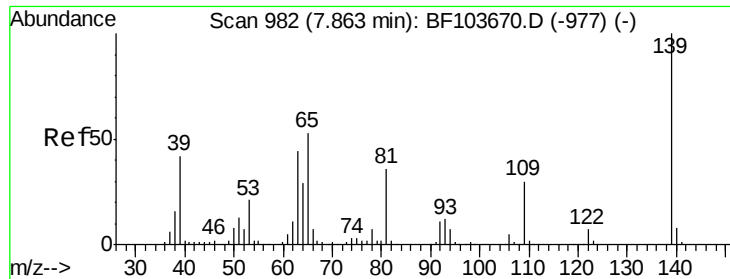


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

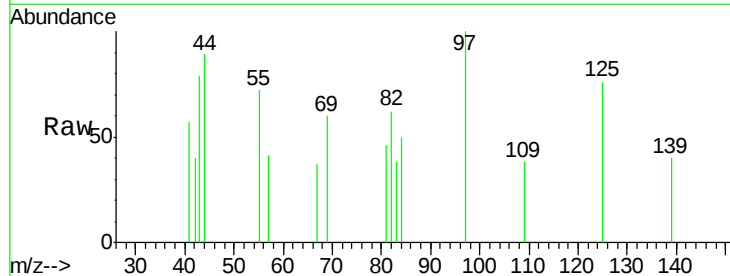




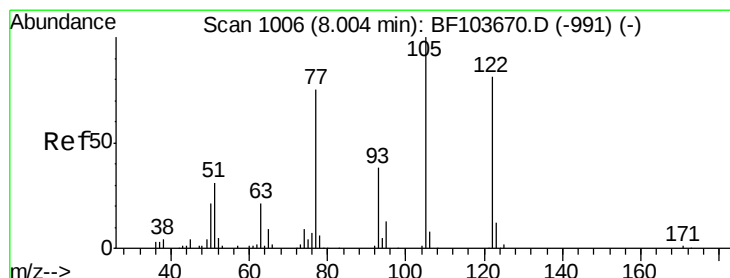
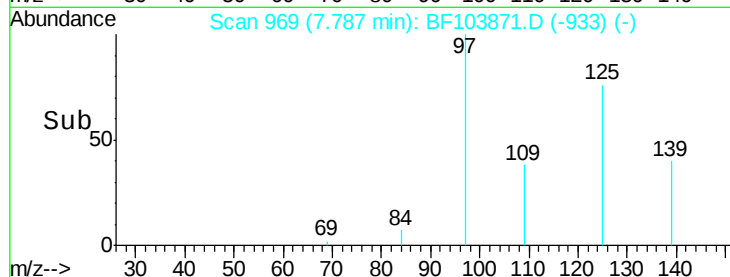
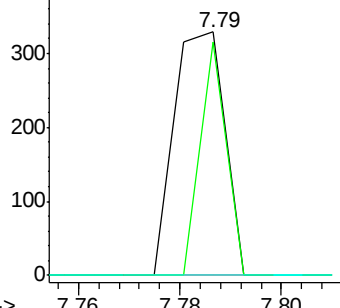
#26
2-Nitrophenol
Concen: 9.491 ng
RT: 7.79 min Scan# 969
Delta R.T. -0.09 min
Lab File: BF103871.D
Acq: 23 Mar 2018 11:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 227
Ion Ratio Lower Upper
139 100
109 96.0 22.7 34.1#
65 0.0 40.5 60.7#

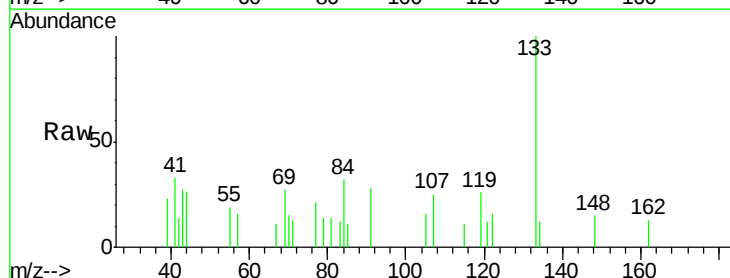


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

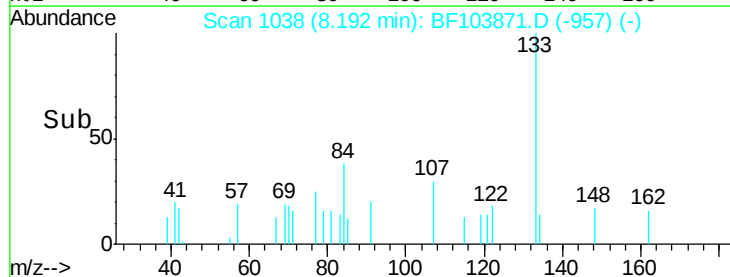
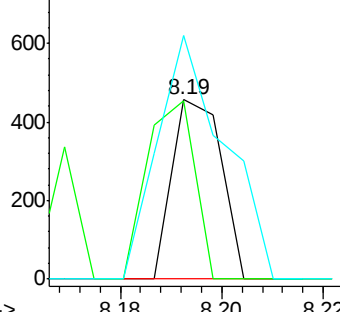


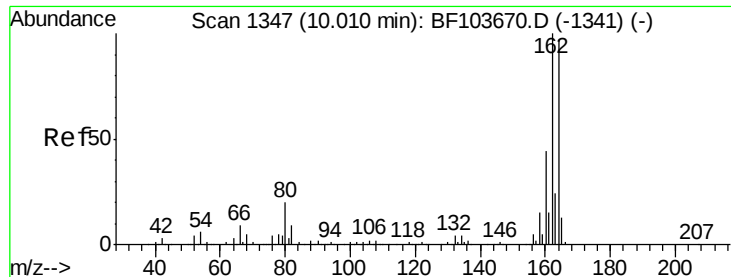
#32
Benzoic acid
Concen: 9.944 ng
RT: 8.19 min Scan# 1038
Delta R.T. 0.18 min
Lab File: BF103871.D
Acq: 23 Mar 2018 11:15

Tgt Ion:122 Resp: 308
Ion Ratio Lower Upper
122 100
105 99.8 101.1 141.1#
77 136.0 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

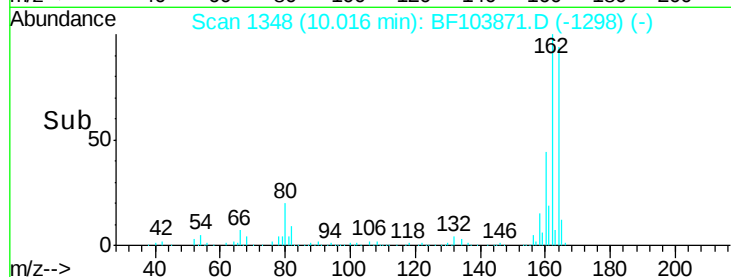
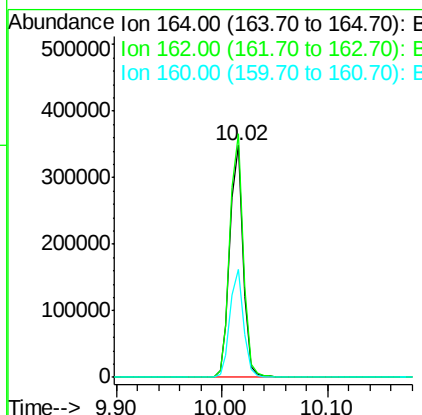
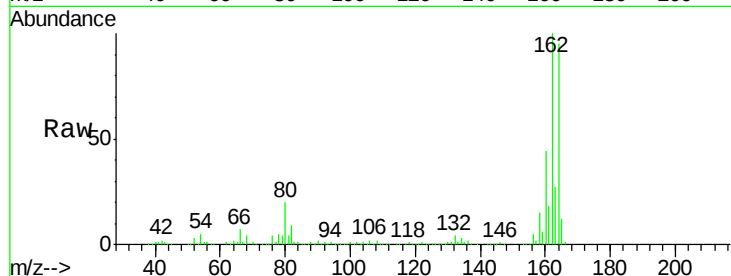




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF103871.D
Acq: 23 Mar 2018 11:15

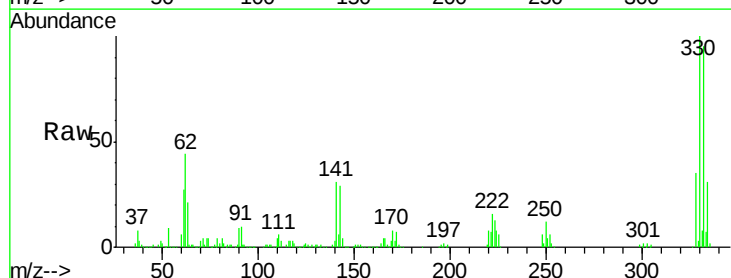
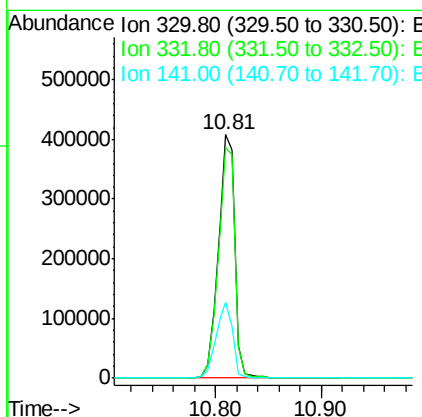
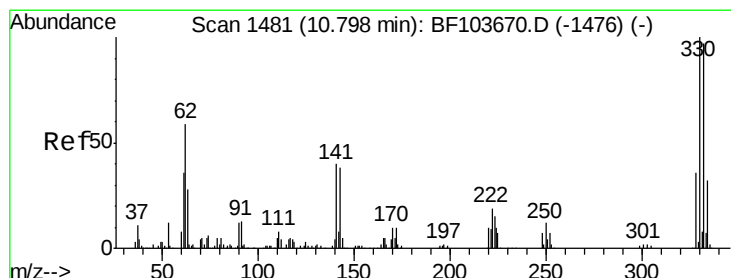
Instrument :
BNA_F
ClientSampled :

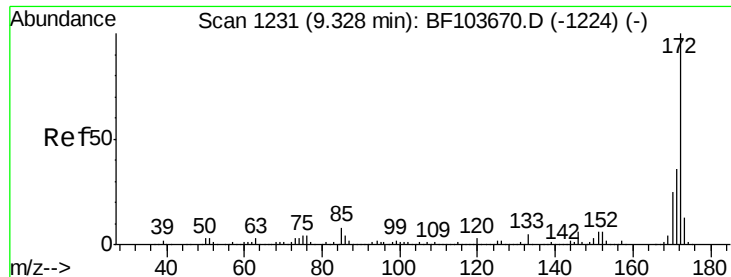
Tot Ion:164 Resp: 302543
Ion Ratio Lower Upper
164 100
162 105.0 86.1 129.1
160 46.3 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 172.406 ng
RT: 10.81 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BF103871.D
Acq: 23 Mar 2018 11:15

Tgt Ion:330 Resp: 448477
Ion Ratio Lower Upper
330 100
332 96.1 77.0 115.6
141 31.5 29.9 44.9

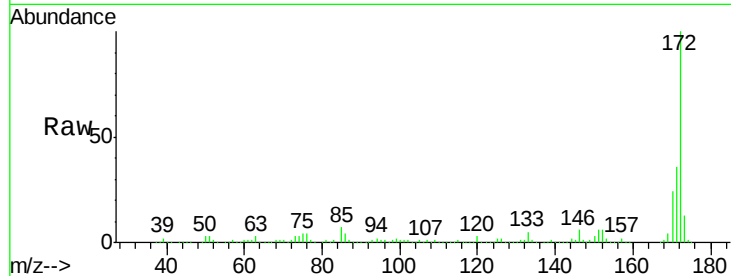




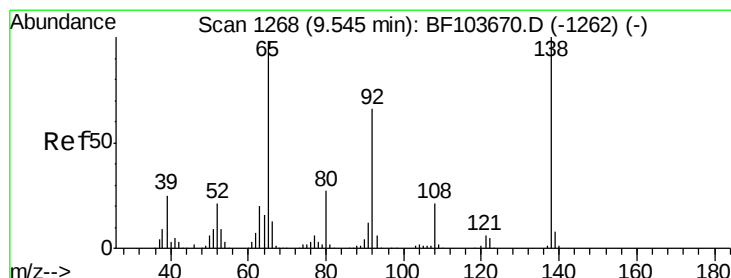
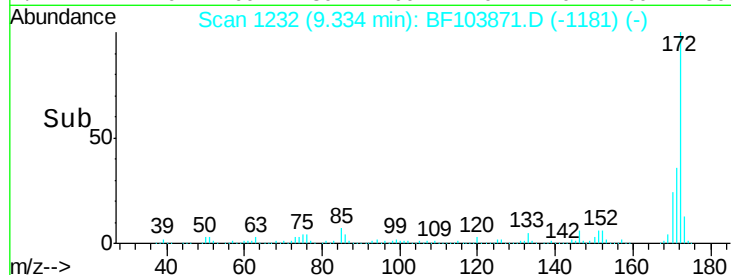
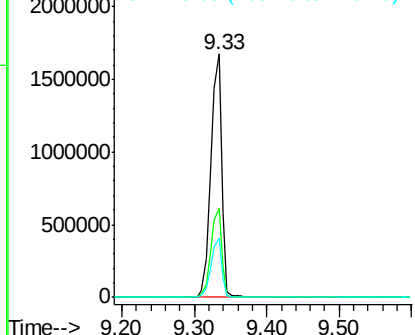
#44
2-Fluorobiphenyl
Concen: 91.867 ng
RT: 9.33 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BF103871.D
Acq: 23 Mar 2018 11:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1742393
Ion Ratio Lower Upper
172 100
171 36.4 29.7 44.5
170 24.1 19.6 29.4

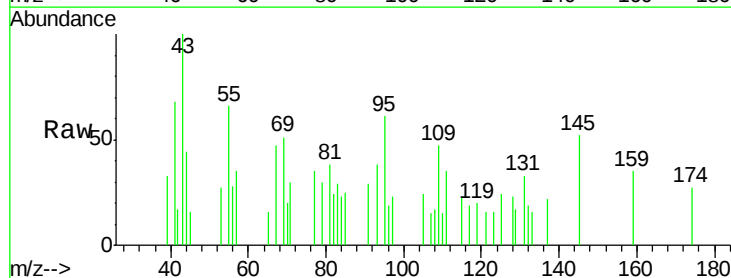


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

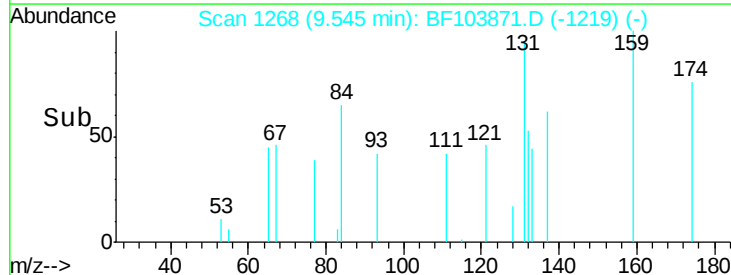
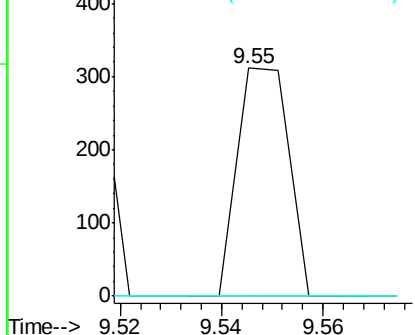


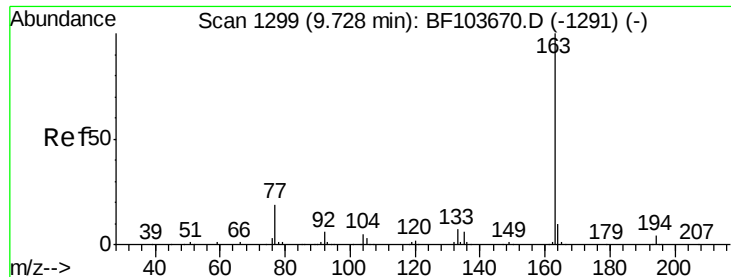
#47
2-Nitroaniline
Concen: 6.850 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF103871.D
Acq: 23 Mar 2018 11:15

Tgt Ion: 65 Resp: 219
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

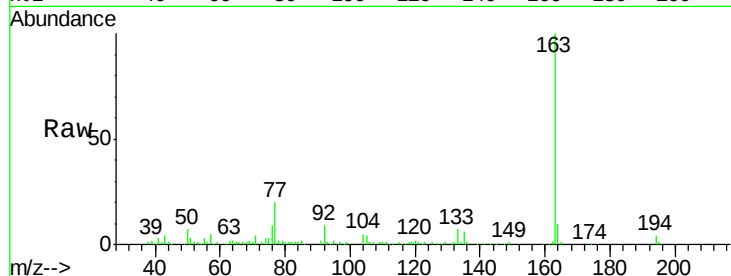




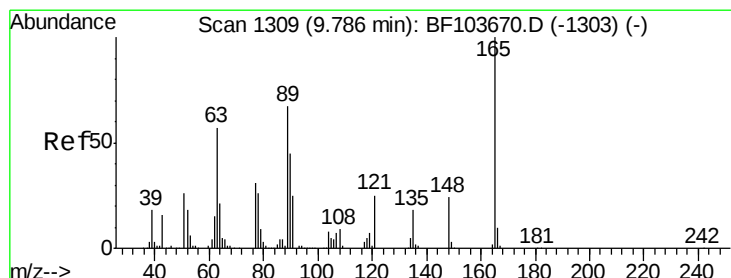
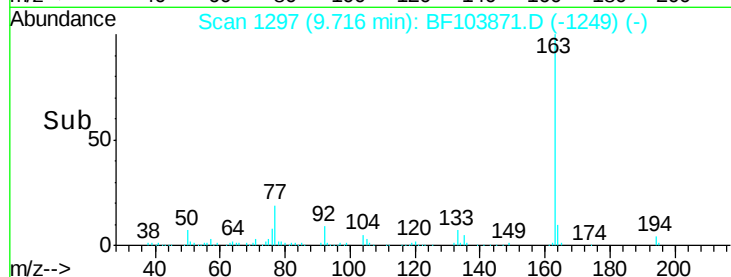
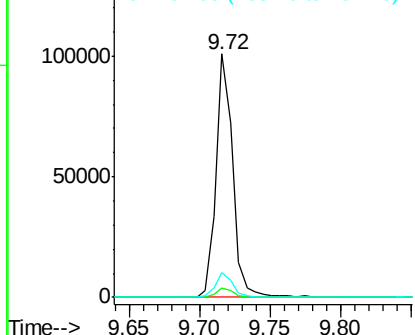
#49
Dimethylphthalate
Concen: 3.599 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF103871.D
Acq: 23 Mar 2018 11:15

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 83070
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 10.2 8.2 12.2

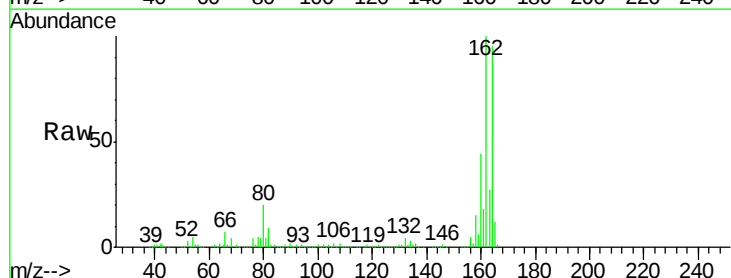


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

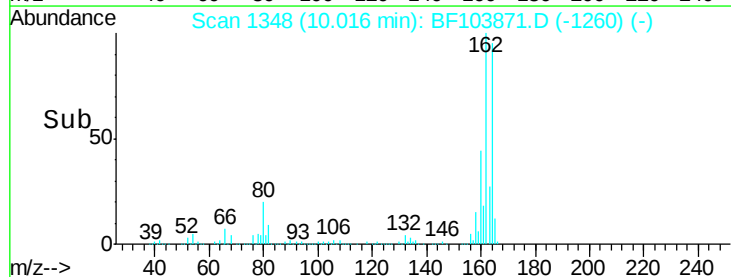
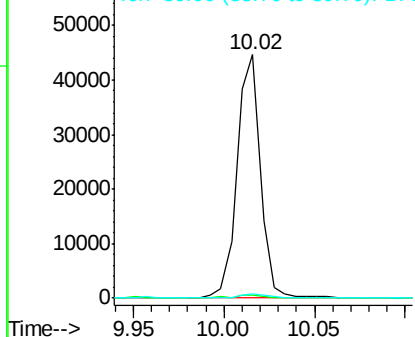


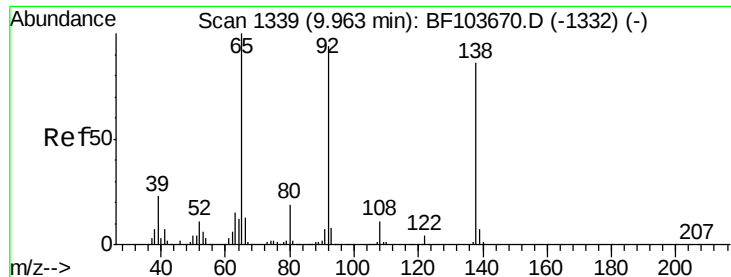
#50
2,6-Dinitrotoluene
Concen: 12.238 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.22 min
Lab File: BF103871.D
Acq: 23 Mar 2018 11:15

Tgt Ion:165 Resp: 40194
Ion Ratio Lower Upper
165 100
63 1.5 44.7 67.1#
89 1.6 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1





#52

3-Nitroaniline

Concen: 3.835 ng

RT: 9.97 min Scan# 1341

Delta R.T. 0.01 min

Lab File: BF103871.D

Acq: 23 Mar 2018 11:15

Instrument :

BNA_F

ClientSampleId :

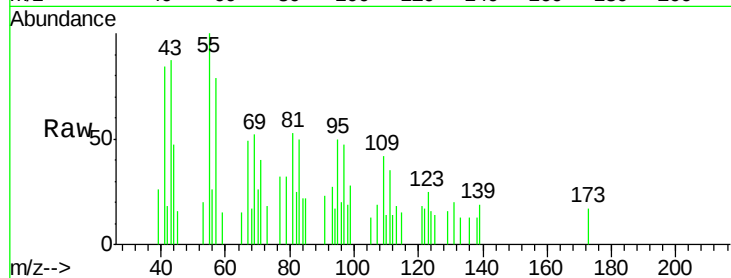
Tot Ion:138 Resp: 118

Ion Ratio Lower Upper

138 100

108 0.0 9.4 14.0#

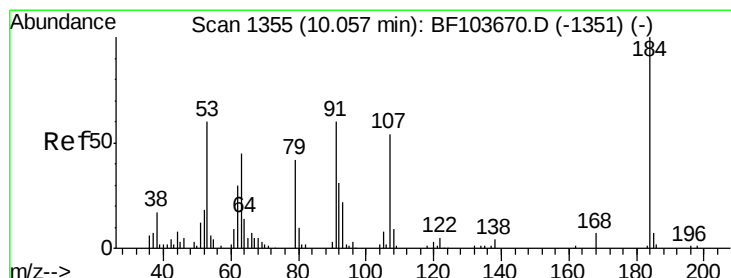
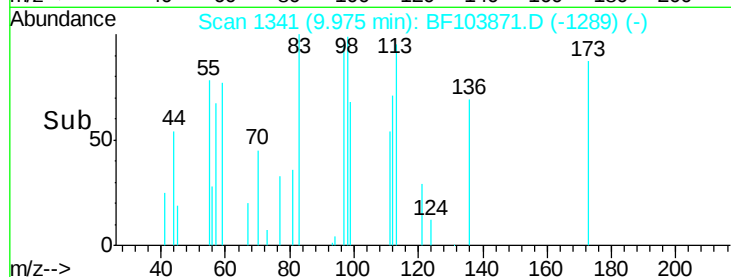
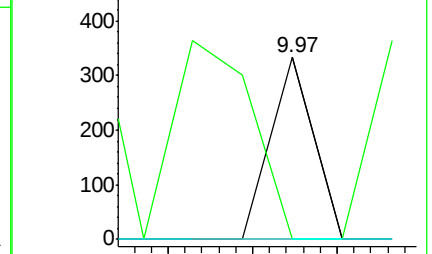
92 0.0 89.4 134.2#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#53

2,4-Dinitrophenol

Concen: 6.923 ng

RT: 10.28 min Scan# 1393

Delta R.T. 0.21 min

Lab File: BF103871.D

Acq: 23 Mar 2018 11:15

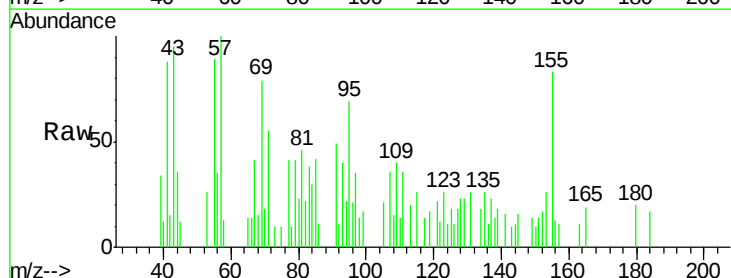
Tgt Ion:184 Resp: 368

Ion Ratio Lower Upper

184 100

63 0.0 54.2 81.2#

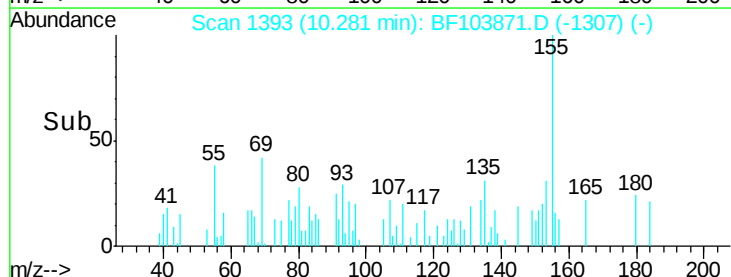
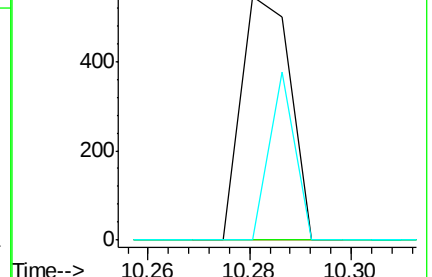
154 0.0 184.0 276.0#

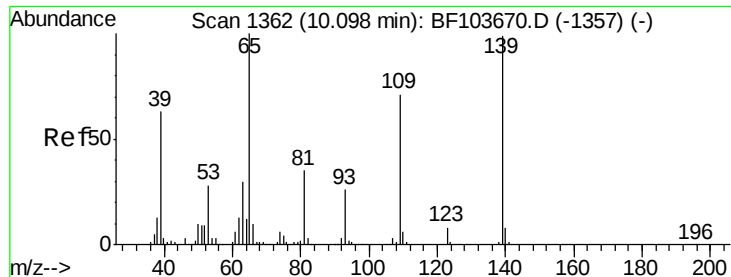


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#55

4-Nitrophenol

Concen: 5.174 ng

RT: 10.13 min Scan# 1367

Delta R.T. 0.01 min

Lab File: BF103871.D

Acq: 23 Mar 2018 11:15

Instrument :

BNA_F

ClientSampleId :

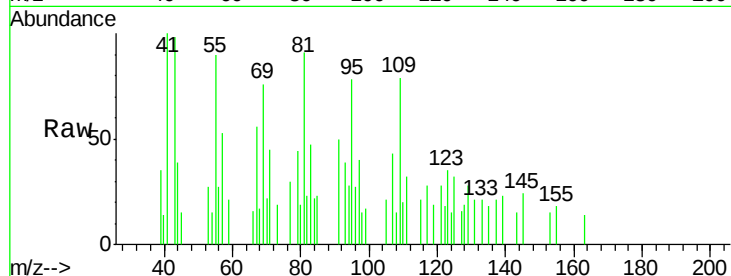
Tot Ion:139 Resp: 922

Ion Ratio Lower Upper

139 100

109 347.9 48.4 88.4#

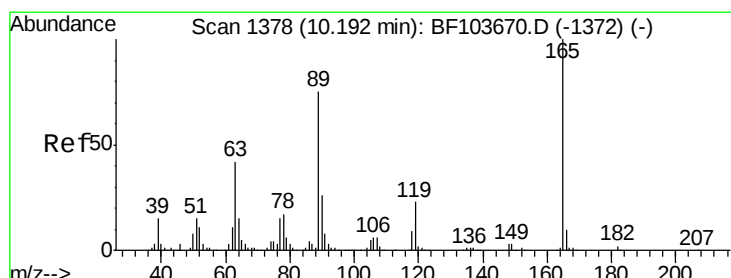
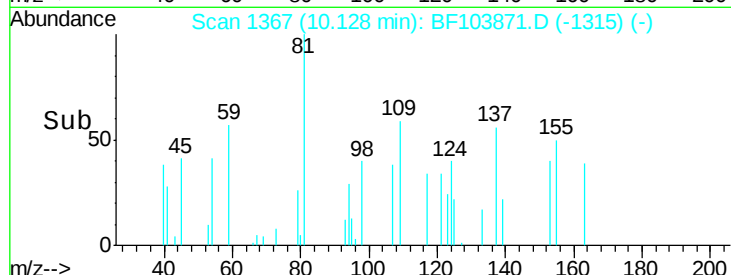
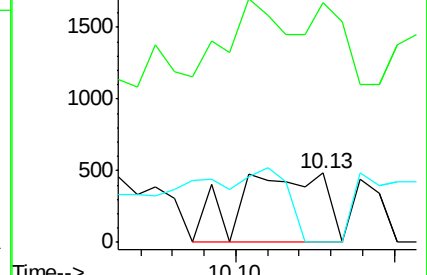
65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 12.398 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.19 min

Lab File: BF103871.D

Acq: 23 Mar 2018 11:15

Tgt Ion:165 Resp: 40187

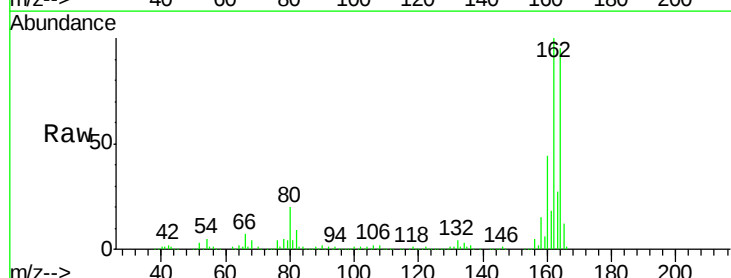
Ion Ratio Lower Upper

165 100

63 1.5 36.4 54.6#

89 1.6 57.8 86.6#

182 0.0 1.6 2.4#

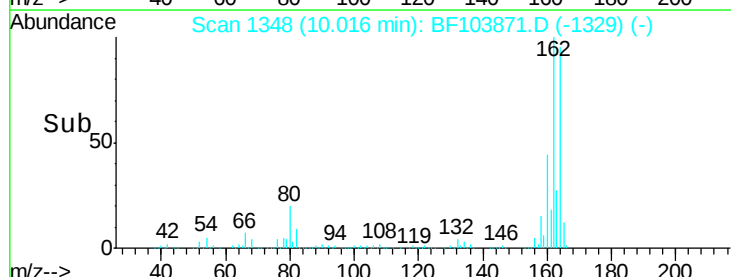
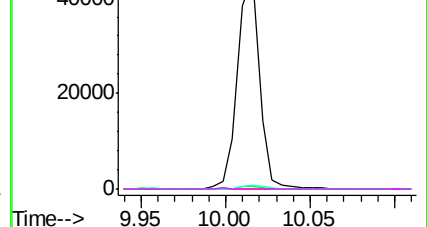


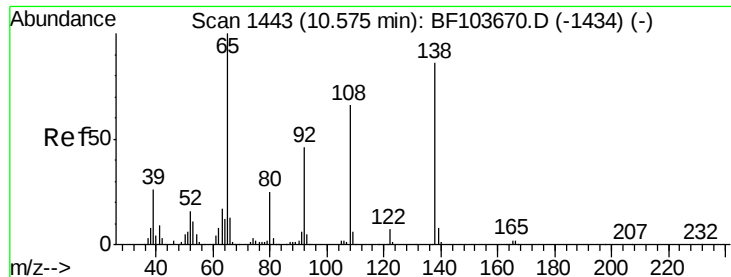
Abundance Ion 165.00 (164.70 to 165.70): E

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

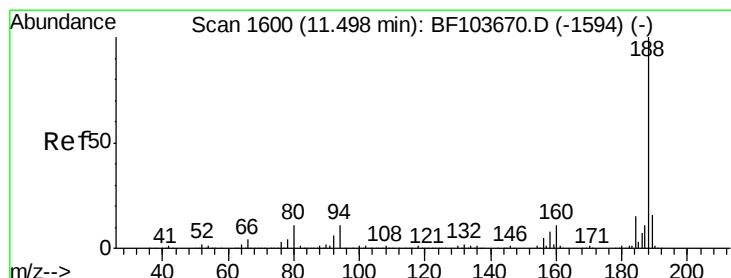
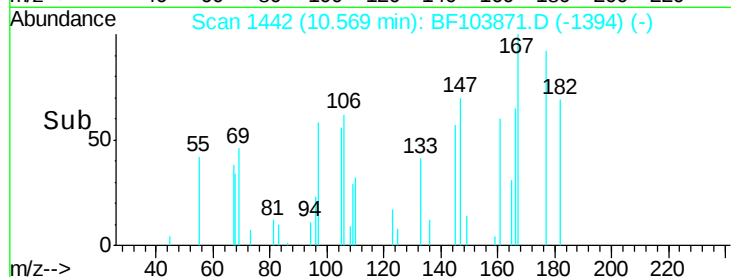
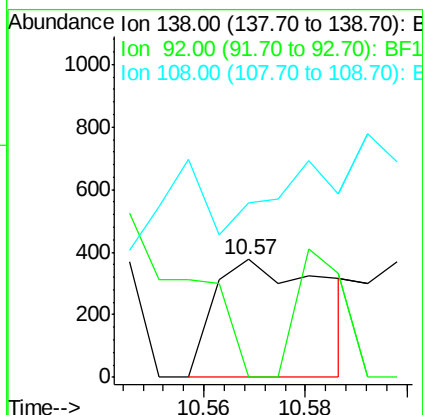
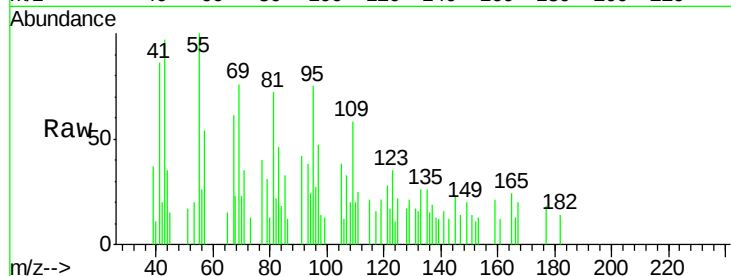




#61
4-Nitroaniline
Concen: 3.852 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.02 min
Lab File: BF103871.D
Acq: 23 Mar 2018 11:15

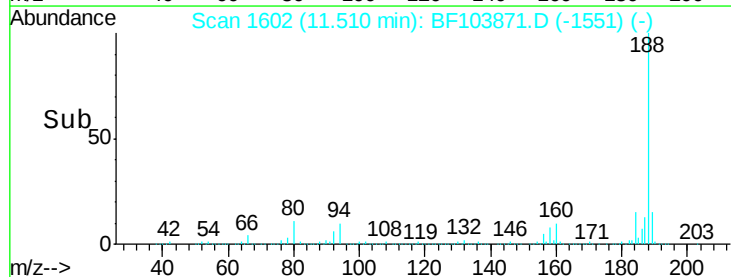
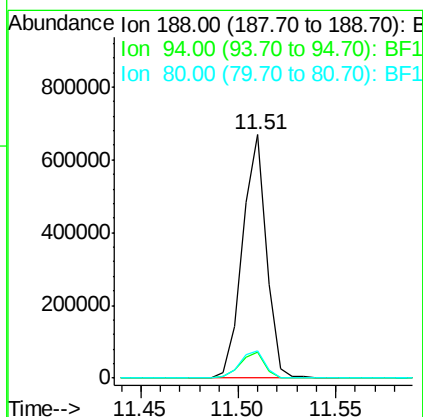
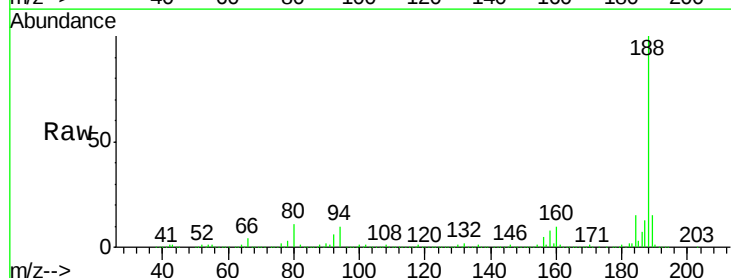
Instrument :
BNA_F
ClientSampleId :

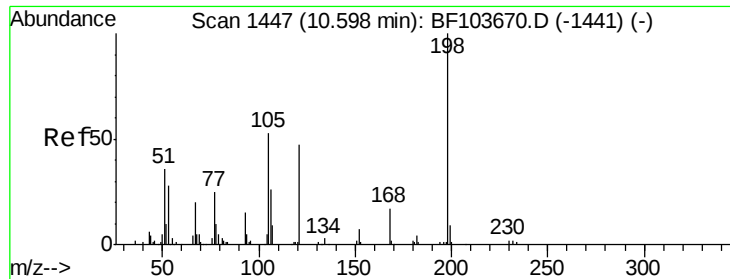
Tot Ion:138 Resp: 575
Ion Ratio Lower Upper
138 100
92 0.0 30.2 70.2#
108 148.4 52.5 92.5#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.00 min
Lab File: BF103871.D
Acq: 23 Mar 2018 11:15

Tgt Ion:188 Resp: 567814
Ion Ratio Lower Upper
188 100
94 10.5 8.5 12.7
80 11.0 9.2 13.8

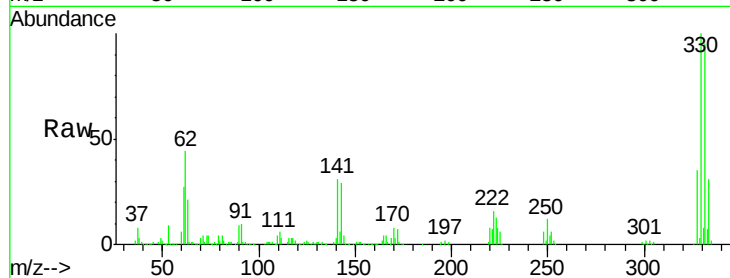




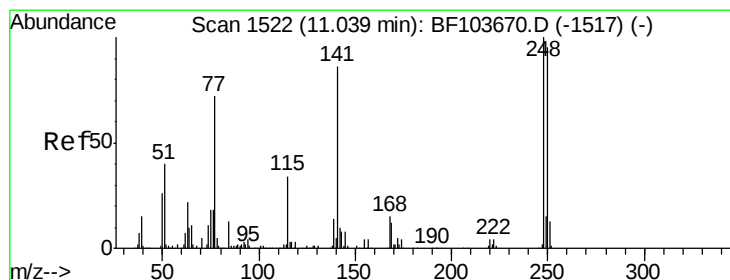
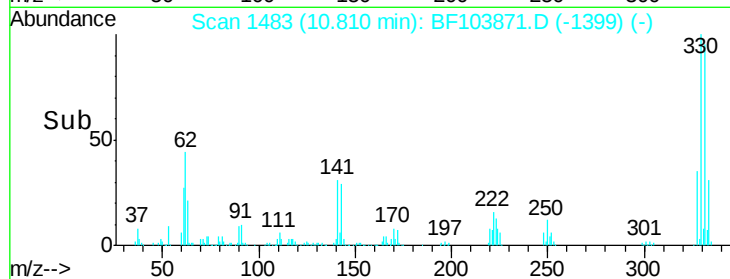
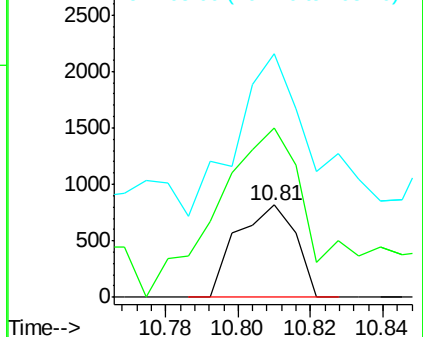
#64
4,6-Dinitro-2-methylphenol
Concen: 8.598 ng
RT: 10.81 min Scan# 1483
Delta R.T. 0.19 min
Lab File: BF103871.D
Acq: 23 Mar 2018 11:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 913
Ion Ratio Lower Upper
198 100
51 182.5 37.7 77.7#
105 263.2 36.3 76.3#

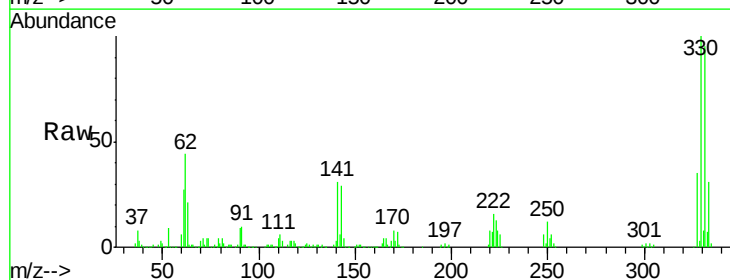


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

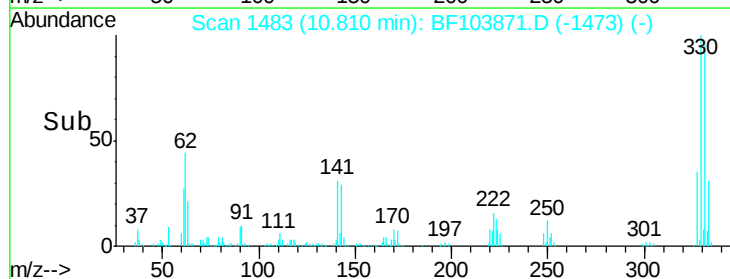
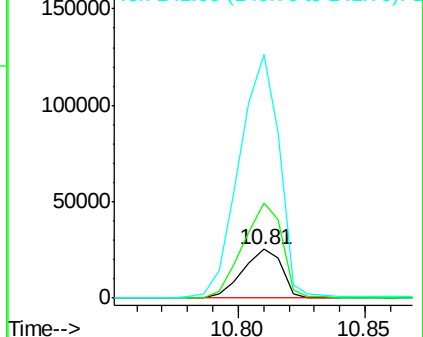


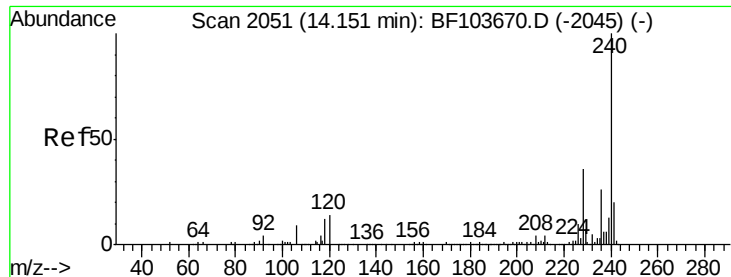
#66
4-Bromophenyl-phenylether
Concen: 4.686 ng
RT: 10.81 min Scan# 1483
Delta R.T. -0.24 min
Lab File: BF103871.D
Acq: 23 Mar 2018 11:15

Tgt Ion:248 Resp: 27317
Ion Ratio Lower Upper
248 100
250 194.8 76.9 115.3#
141 499.2 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: 14.17 min Scan# 2055

Delta R.T. 0.01 min

Lab File: BF103871.D

Acq: 23 Mar 2018 11:15

Instrument :

BNA_F

ClientSampleId :

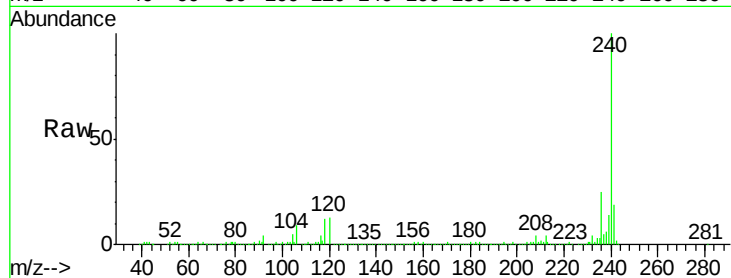
Tot Ion:240 Resp: 529333

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

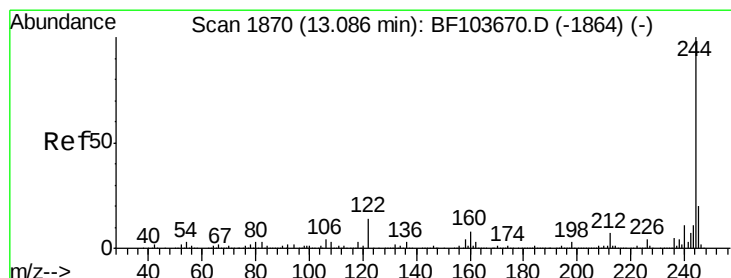
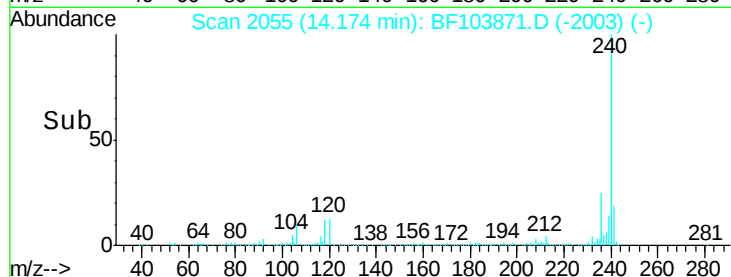
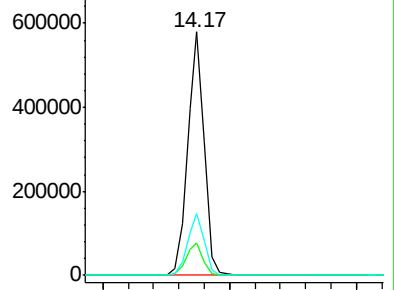
236 25.5 20.7 31.1



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: 81.298 ng

RT: 13.10 min Scan# 1873

Delta R.T. 0.01 min

Lab File: BF103871.D

Acq: 23 Mar 2018 11:15

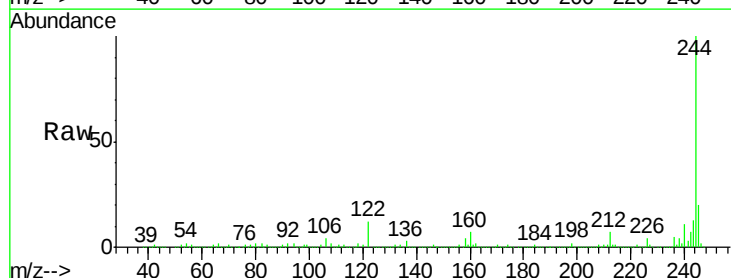
Tgt Ion:244 Resp: 1853977

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

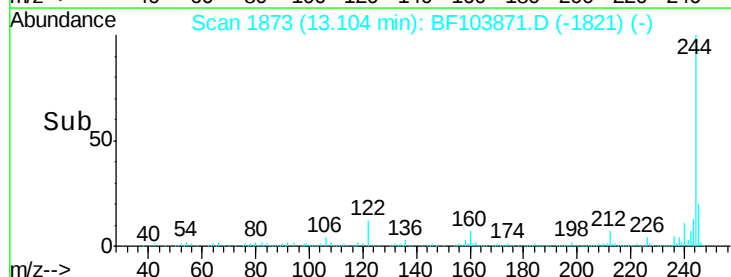
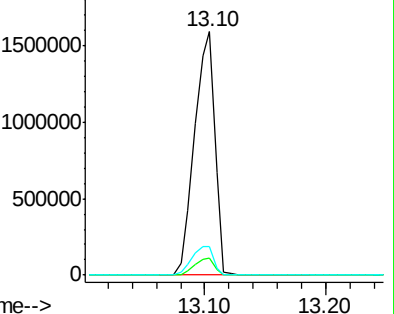
122 11.8 11.0 16.4

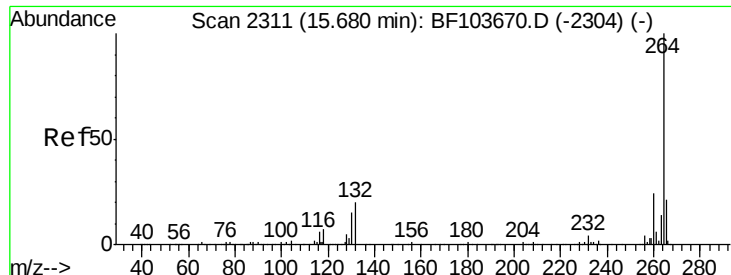


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

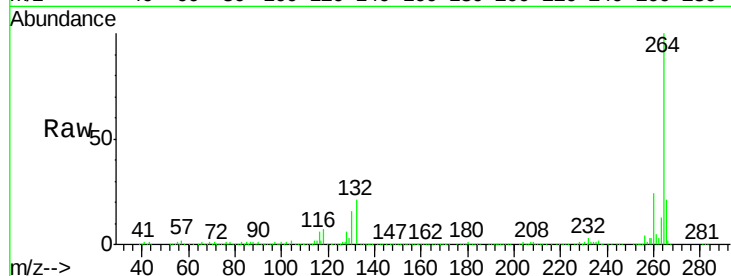




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.74 min Scan# 2321
Delta R.T. 0.03 min
Lab File: BF103871.D
Acq: 23 Mar 2018 11:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.1	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

