

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032318\
 Data File : BF103874.D
 Acq On : 23 Mar 2018 12:34
 Operator : JU/SJ
 Sample : J1998-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 23 13:29:17 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	158953	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	664882	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	303843	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	520250	20.00	ng	0.00
75) Chrysene-d12	14.16	240	322216	20.00	ng	0.00
86) Perylene-d12	15.71	264	329546	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	1165397	111.51	ng	0.01
7) Phenol-d6	6.60	99	1470103	114.98	ng	0.00
23) Nitrobenzene-d5	7.54	82	912763	95.73	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	366792	140.40	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1456818	76.48	ng	0.00
78) Terphenyl-d14	13.10	244	1203490	86.70	ng	0.00

Target Compounds

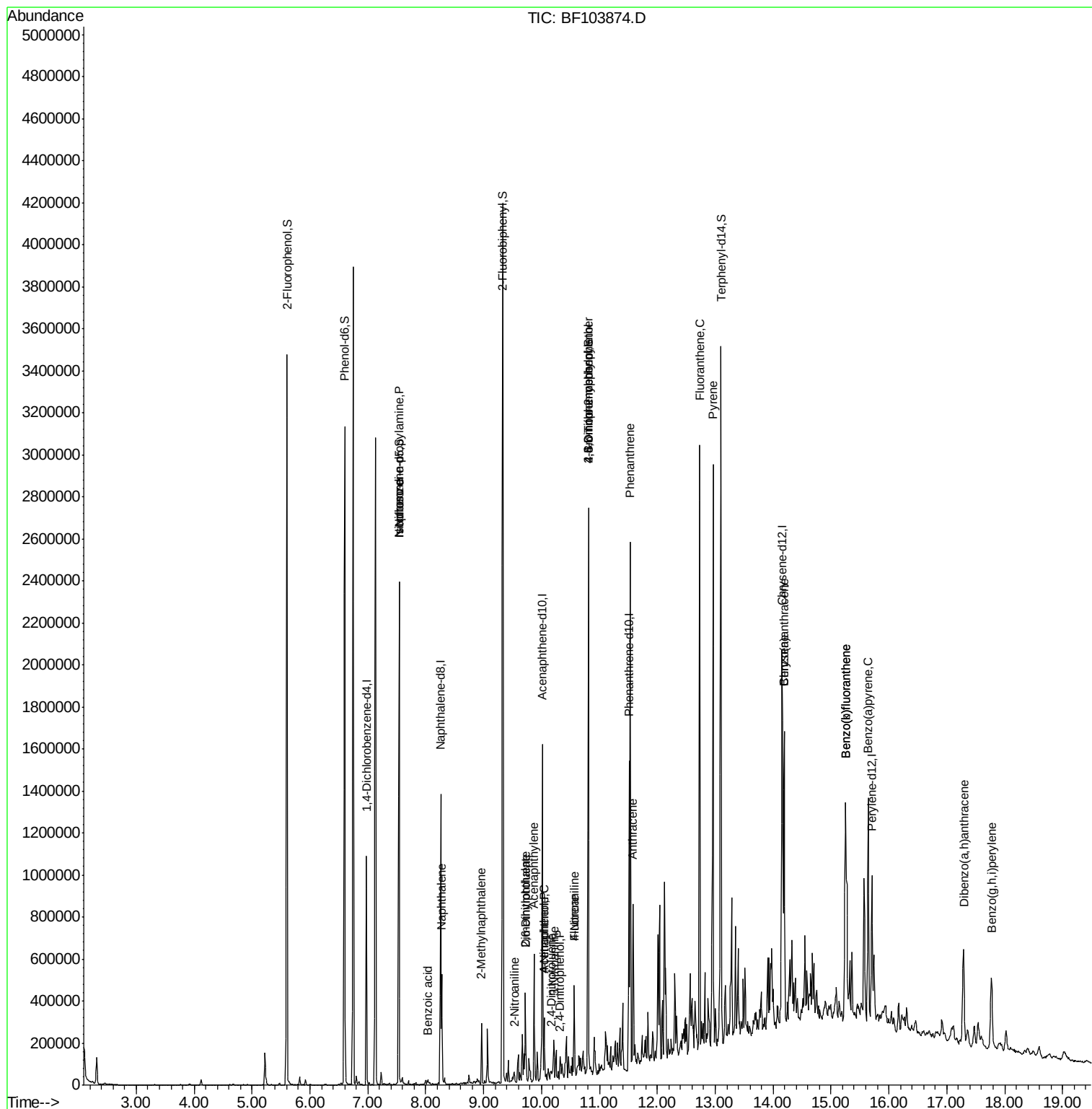
						Qvalue
19) n-Nitroso-di-n-propylamine	7.54	70	119009	14.524	ng	# 72
25) Isophorone	7.54	82	912751	41.355	ng	# 64
31) Naphthalene	8.27	128	202185	6.020	ng	99
32) Benzoic acid	8.03	122	790	9.999	ng	# 31
37) 2-Methylnaphthalene	8.96	142	79092	3.713	ng	98
47) 2-Nitroaniline	9.53	65	616	6.915	ng	# 2
48) Acenaphthylene	9.87	152	230662	7.392	ng	99
49) Dimethylphthalate	9.72	163	153123	6.605	ng	100
50) 2,6-Dinitrotoluene	9.72	165	2015	4.396	ng	# 24
51) Acenaphthene	10.05	154	51589	2.784	ng	97
52) 3-Nitroaniline	10.22	138	673	3.930	ng	# 2
53) 2,4-Dinitrophenol	10.30	184	112	6.463	ng	# 1
55) 4-Nitrophenol	10.05	139	906	5.170	ng	92
56) 2,4-Dinitrotoluene	10.17	165	2923	6.661	ng	# 40
57) Fluorene	10.56	166	116597	5.678	ng	100
61) 4-Nitroaniline	10.56	138	1196	3.963	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.81	198	744	8.545	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	21371	4.001	ng	# 1
70) Phenanthrene	11.53	178	890216	31.281	ng	100
71) Anthracene	11.59	178	308373	10.669	ng	99
74) Fluoranthene	12.73	202	1217191	41.515	ng	98
77) Pyrene	12.96	202	1196674	50.571	ng	100
80) Benzo(a)anthracene	14.19	228	529713	25.971	ng	95
82) Chrysene	14.19	228	529713	27.245	ng	97
87) Benzo(b)fluoranthene	15.25	252	870486	41.810	ng	# 96
88) Benzo(k)fluoranthene	15.25	252	870486	43.495	ng	98
89) Benzo(a)pyrene	15.64	252	522094	27.648	ng	97
90) Dibenzo(a,h)anthracene	17.30	278	81302	4.972	ng	93
91) Benzo(g,h,i)perylene	17.77	276	285928	17.974	ng	96

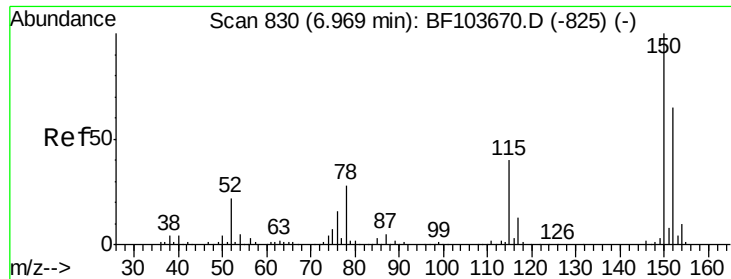
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF032318\
Data File : BF103874.D
Acq On : 23 Mar 2018 12:34
Operator : JU/SJ
Sample : J1998-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Mar 23 13:29:17 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



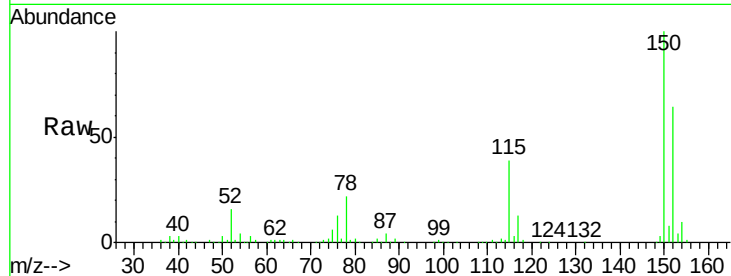


#1

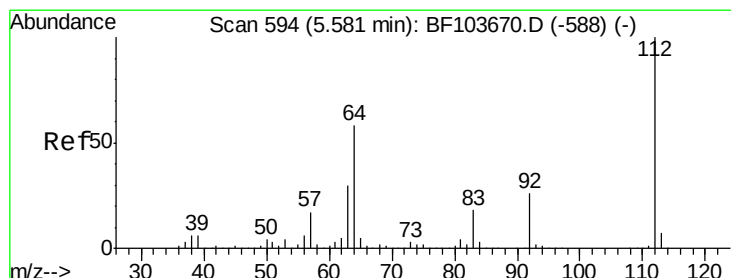
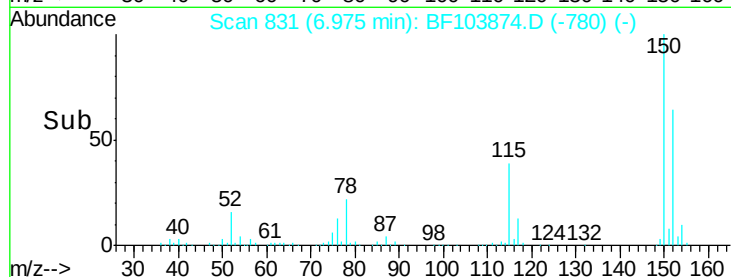
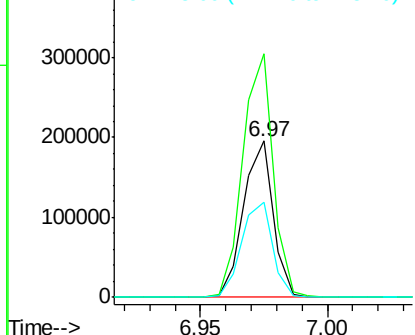
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF103874.D
Acq: 23 Mar 2018 12:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 158953
Ion Ratio Lower Upper
152 100
150 155.7 124.6 186.8
115 60.4 50.1 75.1



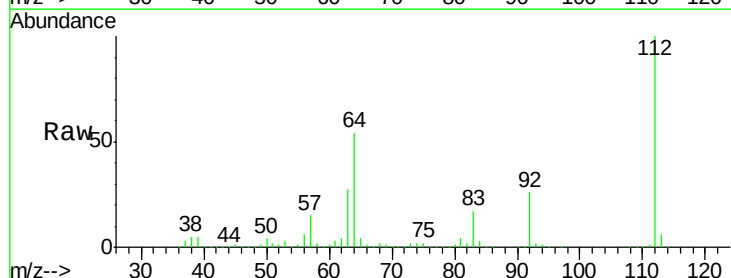
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



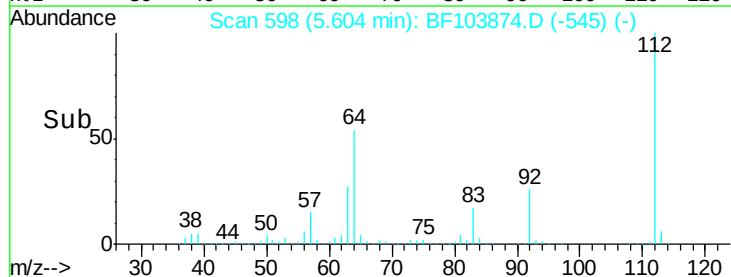
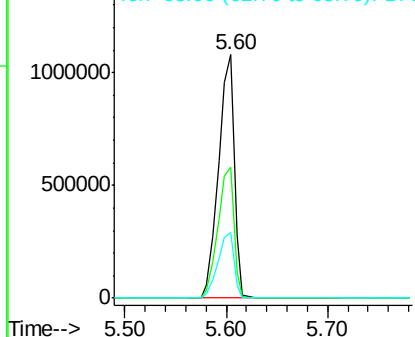
#5

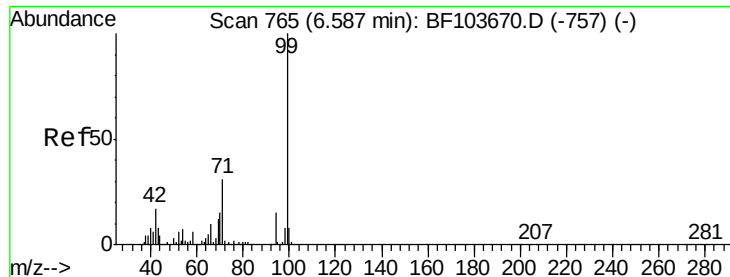
2-Fluorophenol
Concen: 111.515 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.01 min
Lab File: BF103874.D
Acq: 23 Mar 2018 12:34

Tgt Ion:112 Resp: 1165397
Ion Ratio Lower Upper
112 100
64 53.9 47.9 71.9
63 27.0 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: 114.981 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF103874.D

Acq: 23 Mar 2018 12:34

Instrument :

BNA_F

ClientSampleId :

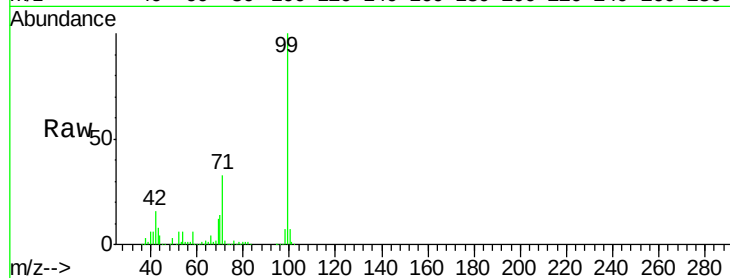
Tot Ion: 99 Resp: 1470103

Ion Ratio Lower Upper

99 100

42 15.9 14.5 21.7

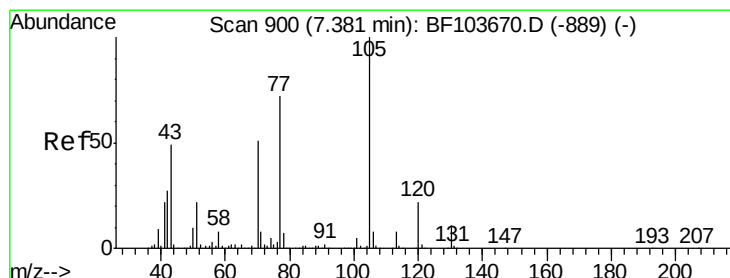
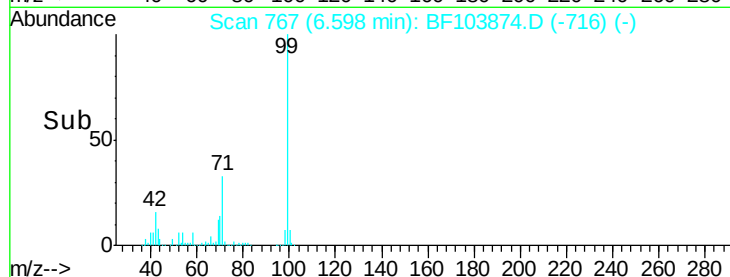
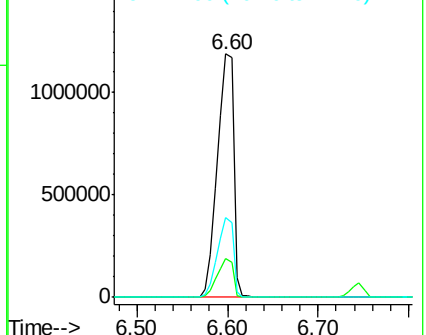
71 32.8 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.524 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.15 min

Lab File: BF103874.D

Acq: 23 Mar 2018 12:34

Tgt Ion: 70 Resp: 119009

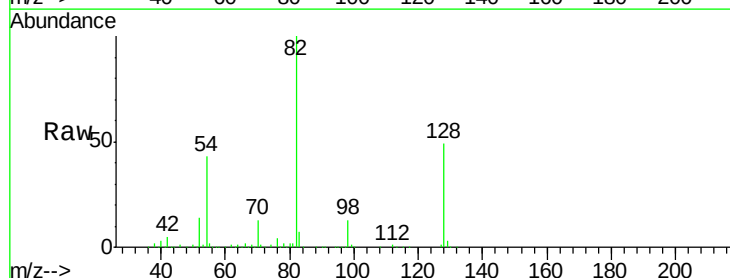
Ion Ratio Lower Upper

70 100

42 41.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

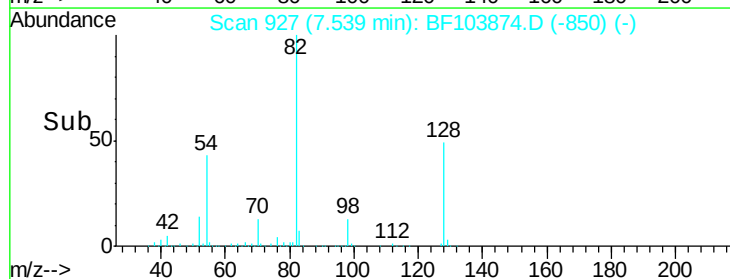
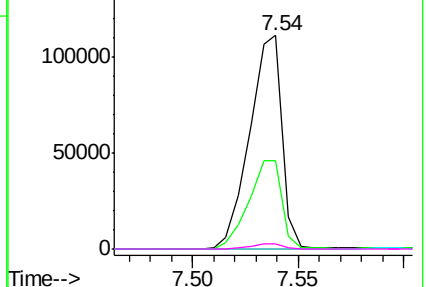


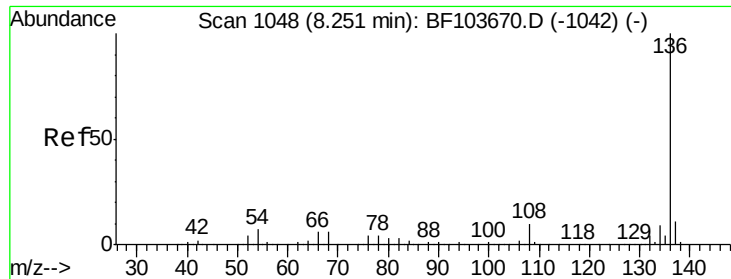
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

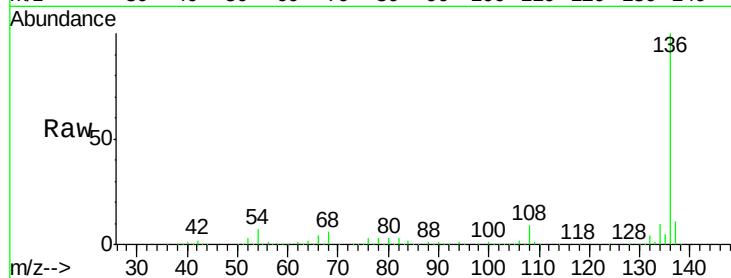




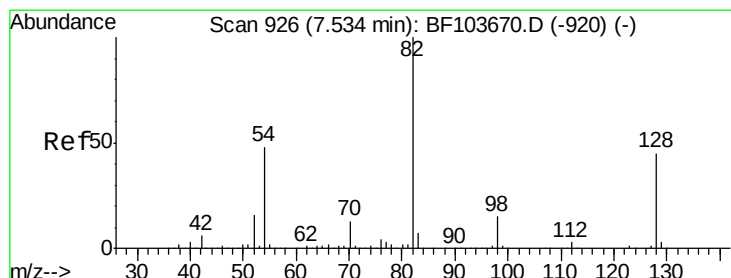
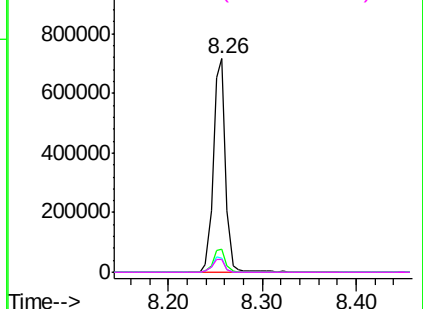
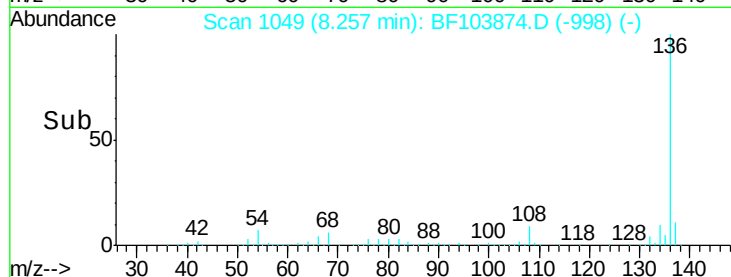
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.00 min
Lab File: BF103874.D
Acq: 23 Mar 2018 12:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	664882
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	6.5	6.6 9.8#
68	6.0	5.0 7.4

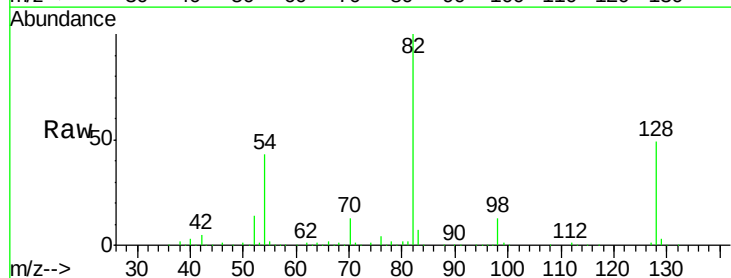


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

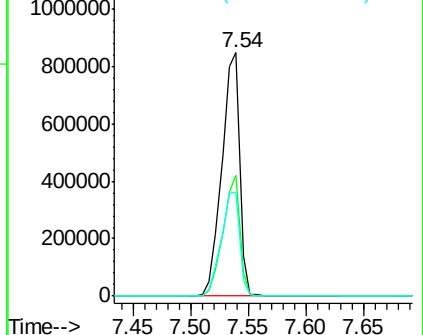
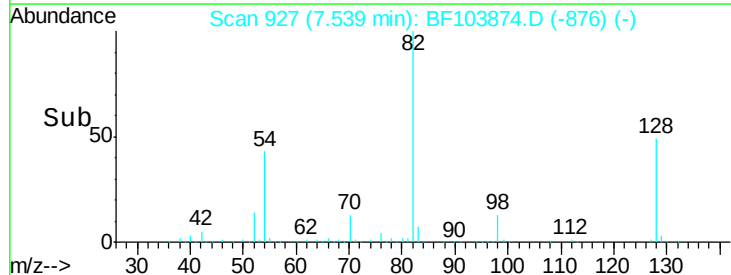


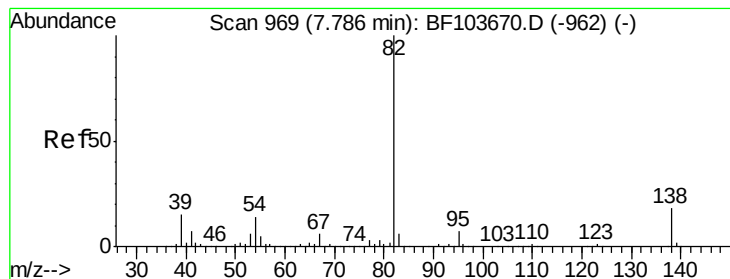
#23
Nitrobenzene-d5
Concen: 95.735 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.00 min
Lab File: BF103874.D
Acq: 23 Mar 2018 12:34

Tgt Ion: 82	Resp:	912763
Ion Ratio	Lower	Upper
82	100	
128	49.4	36.1 54.1
54	42.9	41.4 62.2



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





#25

Isophorone

Concen: 41.355 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.25 min

Lab File: BF103874.D

Acq: 23 Mar 2018 12:34

Instrument :

BNA_F

ClientSampleId :

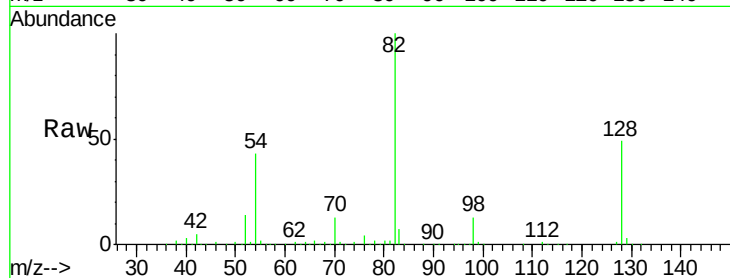
Tot Ion: 82 Resp: 912751

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

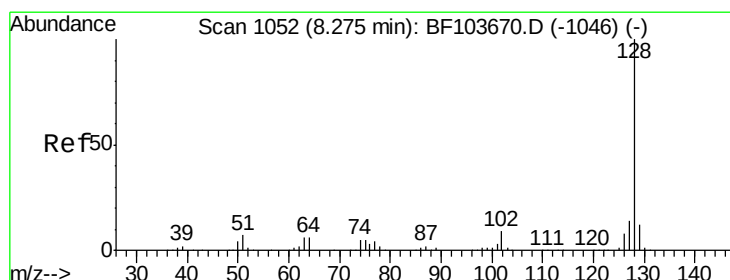
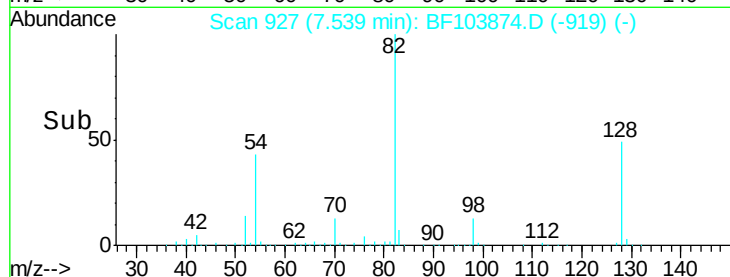
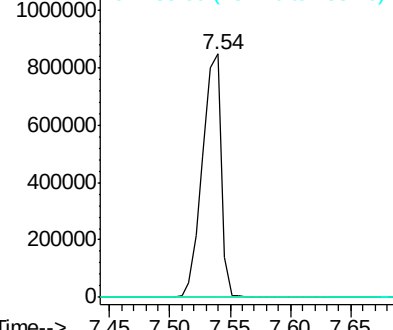
138 0.0 14.9 22.3#



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



#31

Naphthalene

Concen: 6.020 ng

RT: 8.27 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BF103874.D

Acq: 23 Mar 2018 12:34

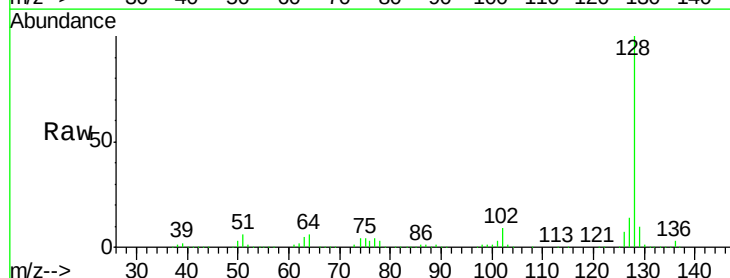
Tgt Ion: 128 Resp: 202185

Ion Ratio Lower Upper

128 100

129 10.4 8.8 13.2

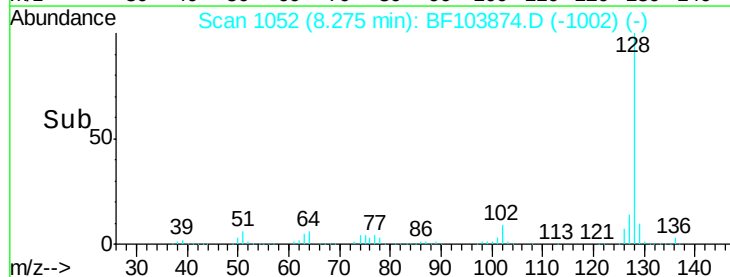
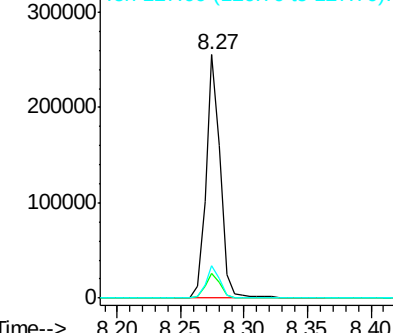
127 13.5 10.9 16.3

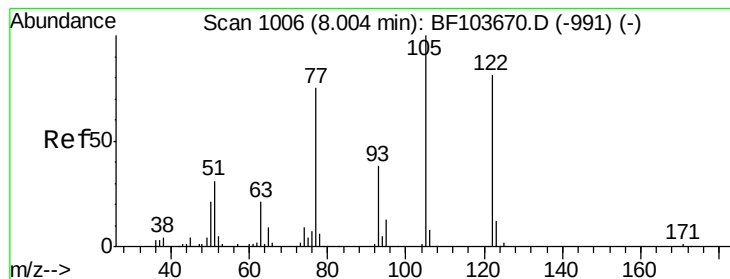


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 9.999 ng

RT: 8.03 min Scan# 1010

Delta R.T. 0.01 min

Lab File: BF103874.D

Acq: 23 Mar 2018 12:34

Instrument :

BNA_F

ClientSampleId :

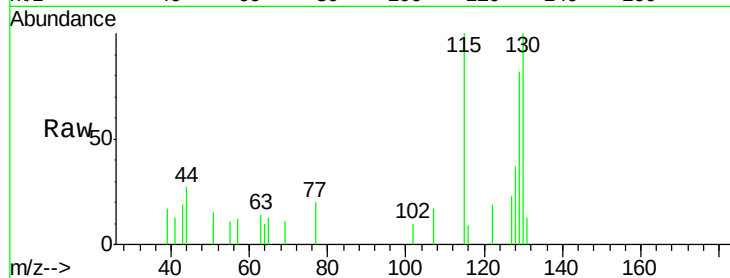
Tot Ion:122 Resp: 790

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

77 106.5 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): E

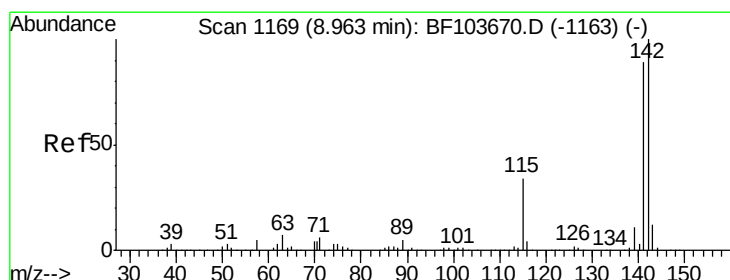
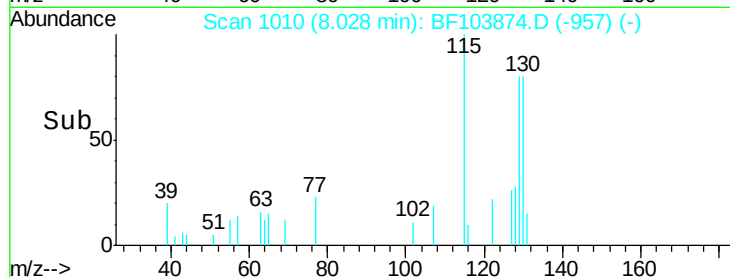
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

8.03

Time-->

7.98 8.00 8.02 8.04 8.06



#37

2-Methylnaphthalene

Concen: 3.713 ng

RT: 8.96 min Scan# 1169

Delta R.T. -0.01 min

Lab File: BF103874.D

Acq: 23 Mar 2018 12:34

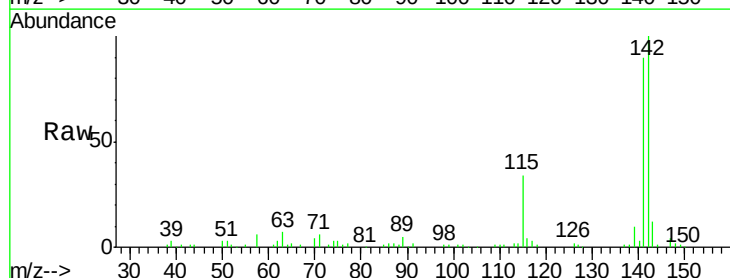
Tgt Ion:142 Resp: 79092

Ion Ratio Lower Upper

142 100

141 90.3 70.8 106.2

115 34.4 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E

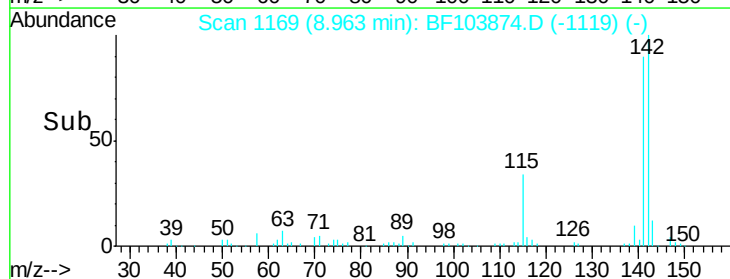
Ion 141.00 (140.70 to 141.70): E

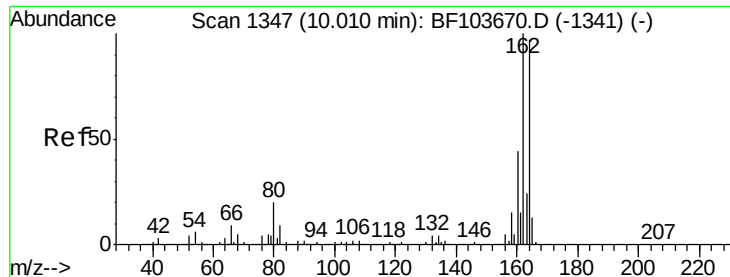
Ion 115.00 (114.70 to 115.70): E

8.96

Time-->

8.90 8.95 9.00 9.05





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF103874.D

Acq: 23 Mar 2018 12:34

Instrument :

BNA_F

ClientSampleId :

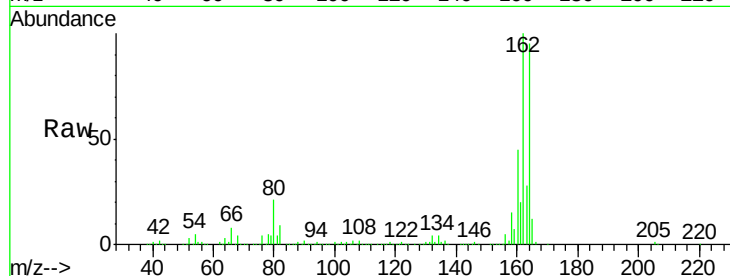
Tot Ion:164 Resp: 303843

Ion Ratio Lower Upper

164 100

162 104.9 86.1 129.1

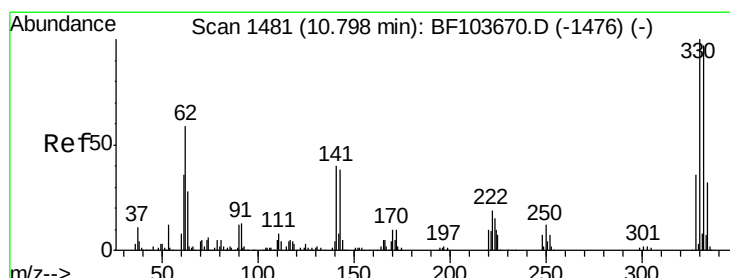
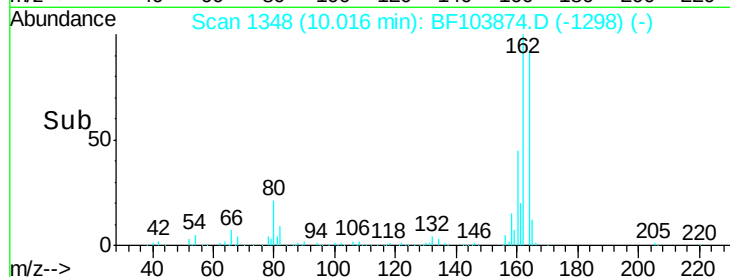
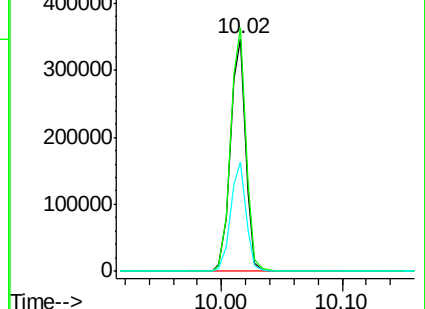
160 47.3 38.3 57.5



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: 140.401 ng

RT: 10.81 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BF103874.D

Acq: 23 Mar 2018 12:34

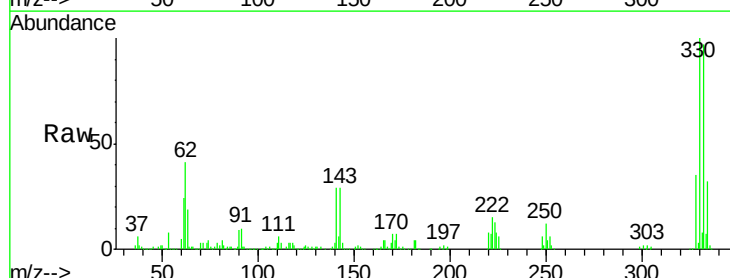
Tgt Ion:330 Resp: 366792

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

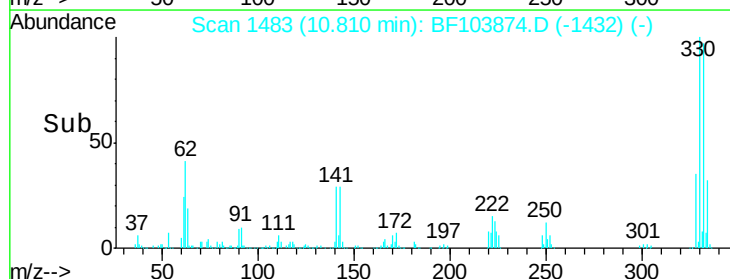
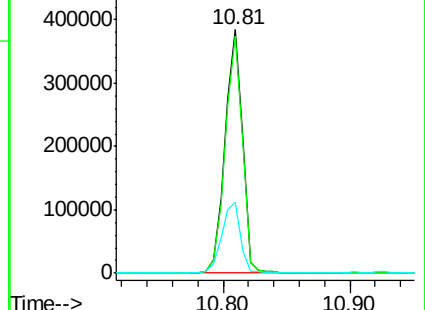
141 31.5 29.9 44.9

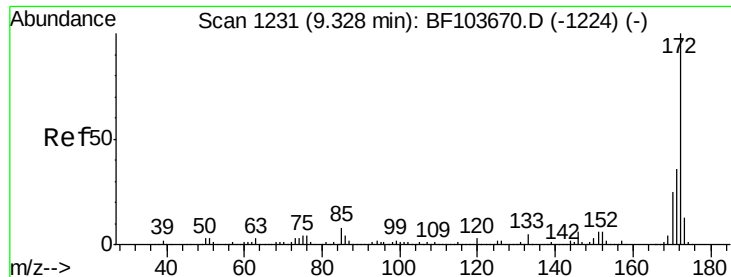


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

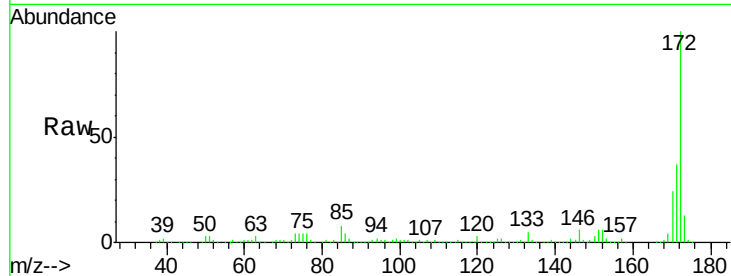




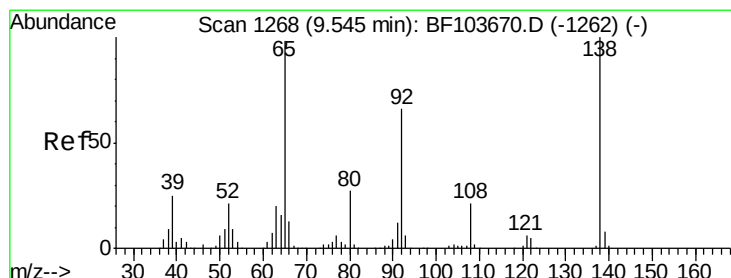
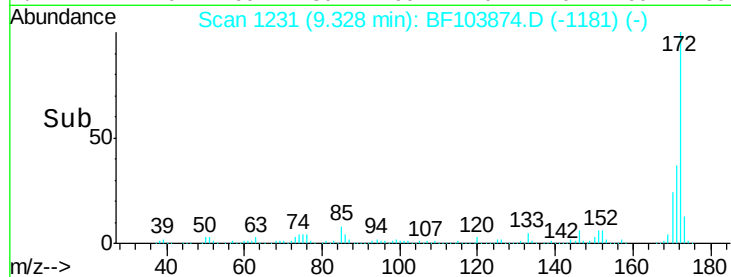
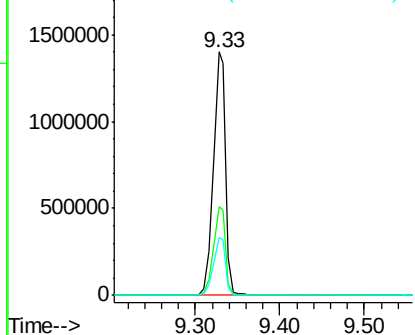
#44
 2-Fluorobiphenyl
 Concen: 76.482 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103874.D
 Acq: 23 Mar 2018 12:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1456818
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.7 44.5
 170 24.0 19.6 29.4

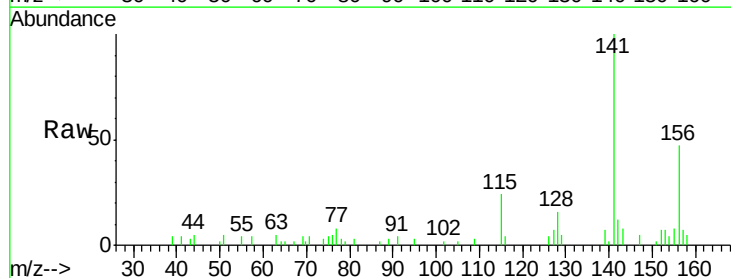


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

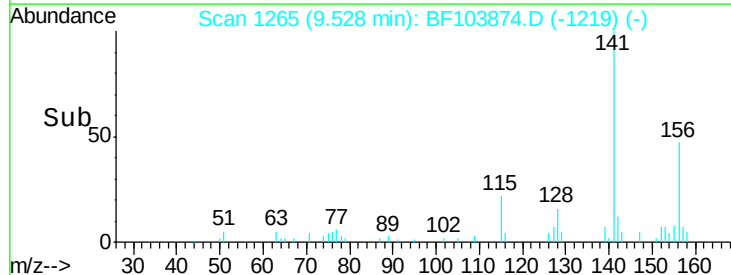
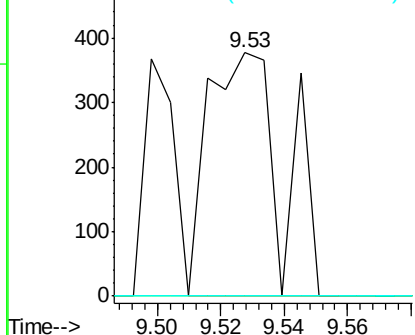


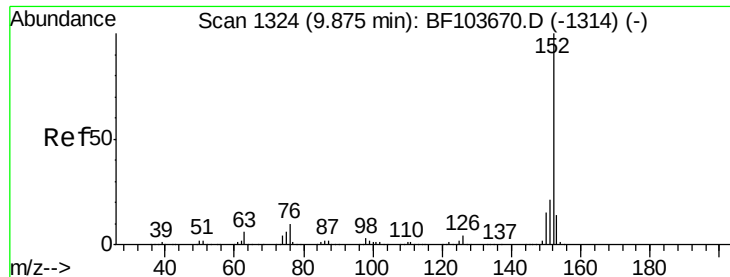
#47
 2-Nitroaniline
 Concen: 6.915 ng
 RT: 9.53 min Scan# 1265
 Delta R.T. -0.03 min
 Lab File: BF103874.D
 Acq: 23 Mar 2018 12:34

Tgt Ion: 65 Resp: 616
 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





#48

Acenaphthylene

Concen: 7.392 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF103874.D

Acq: 23 Mar 2018 12:34

Instrument :

BNA_F

ClientSampleId :

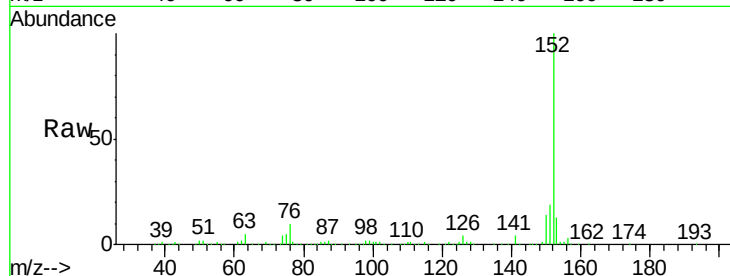
Tot Ion:152 Resp: 230662

Ion Ratio Lower Upper

152 100

151 19.4 16.3 24.5

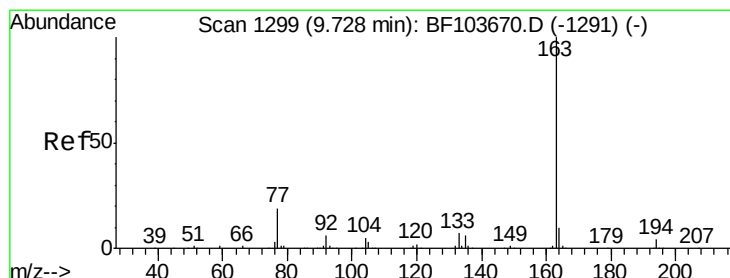
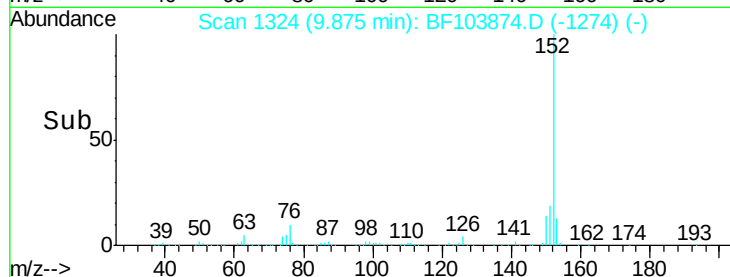
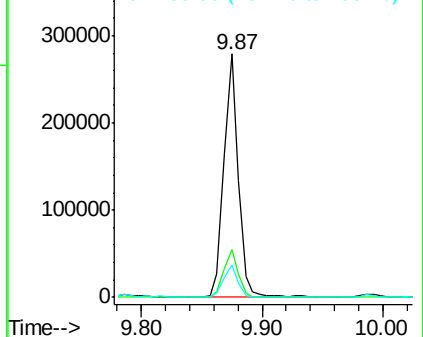
153 13.2 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 6.605 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF103874.D

Acq: 23 Mar 2018 12:34

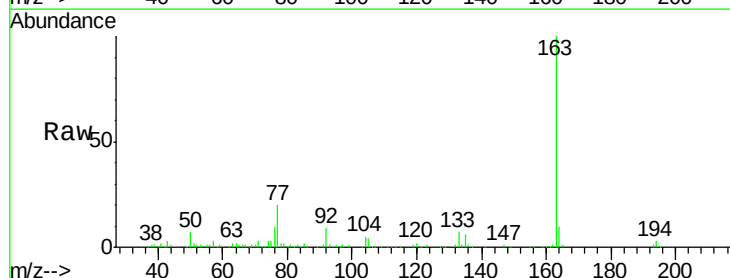
Tgt Ion:163 Resp: 153123

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

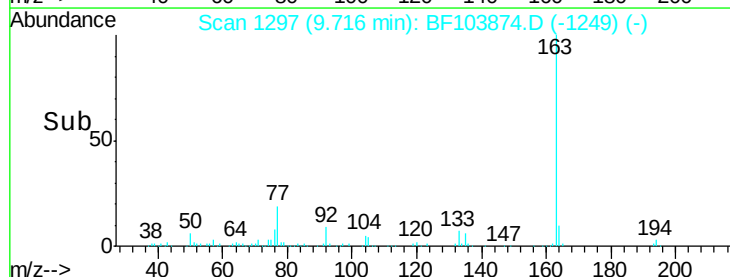
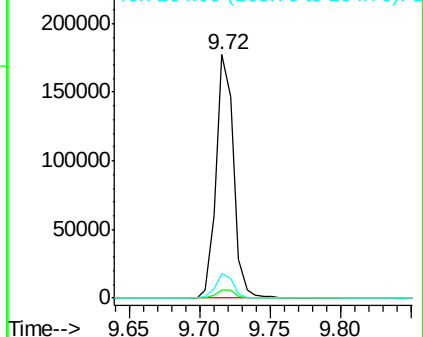
164 10.4 8.2 12.2

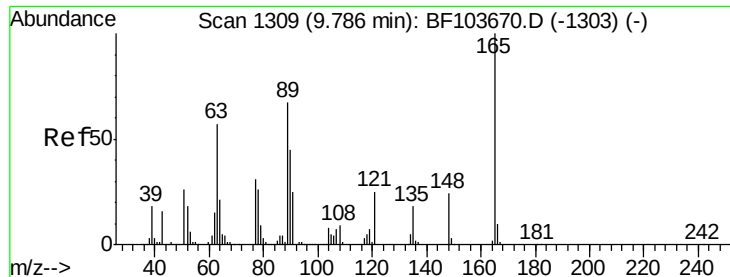


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

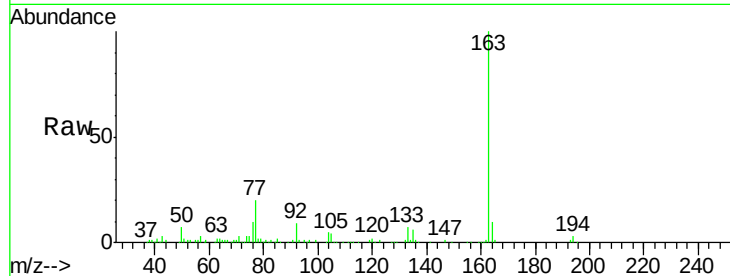




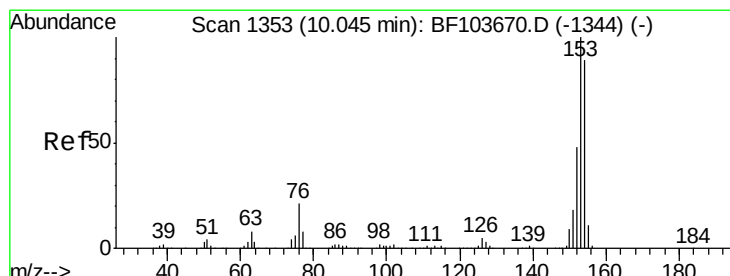
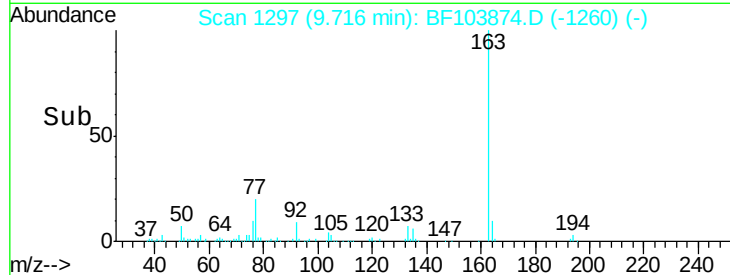
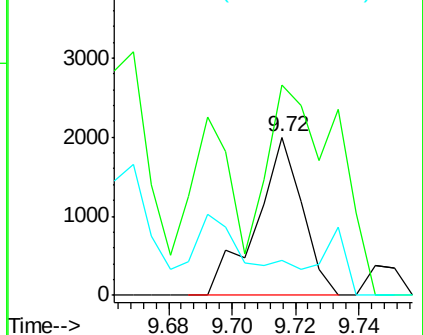
#50
2,6-Dinitrotoluene
Concen: 4.396 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.08 min
Lab File: BF103874.D
Acq: 23 Mar 2018 12:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 2015
Ion Ratio Lower Upper
165 100
63 133.4 44.7 67.1#
89 22.5 44.0 66.0#

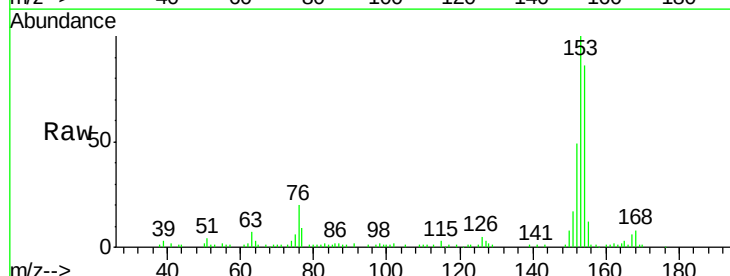


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

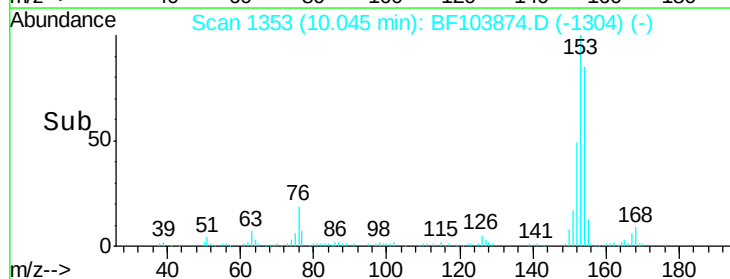
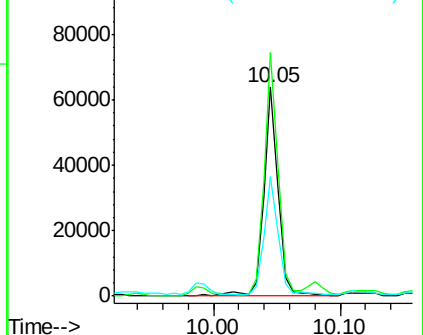


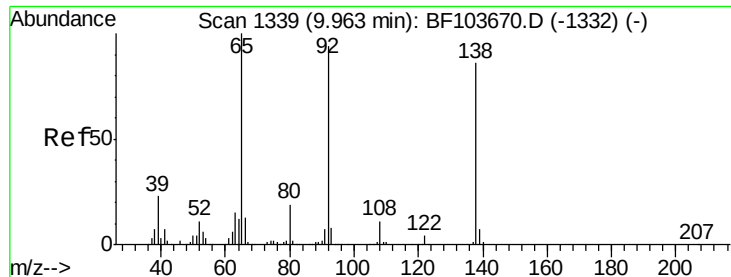
#51
Acenaphthene
Concen: 2.784 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF103874.D
Acq: 23 Mar 2018 12:34

Tgt Ion:154 Resp: 51589
Ion Ratio Lower Upper
154 100
153 116.7 91.2 136.8
152 57.3 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

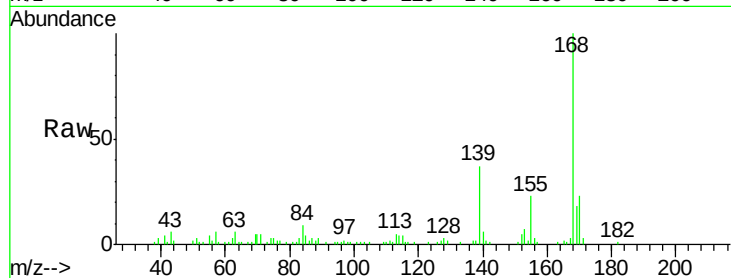




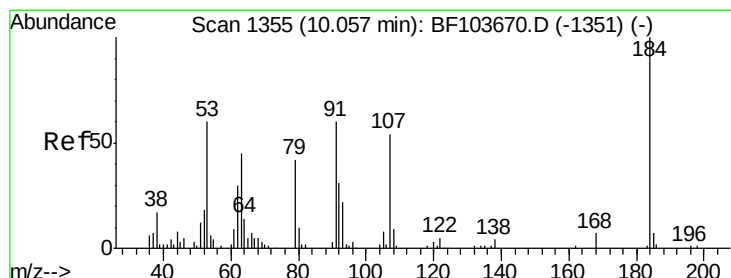
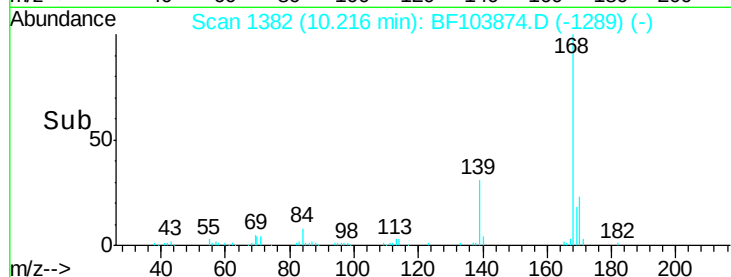
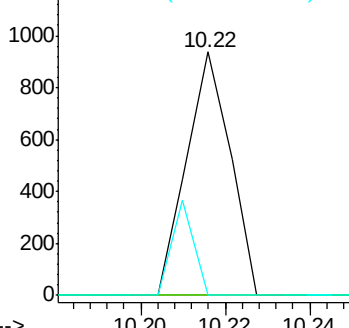
#52
3-Nitroaniline
Concen: 3.930 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.25 min
Lab File: BF103874.D
Acq: 23 Mar 2018 12:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:138 Resp: 673
Ion Ratio Lower Upper
138 100
108 0.0 9.4 14.0#
92 0.0 89.4 134.2#

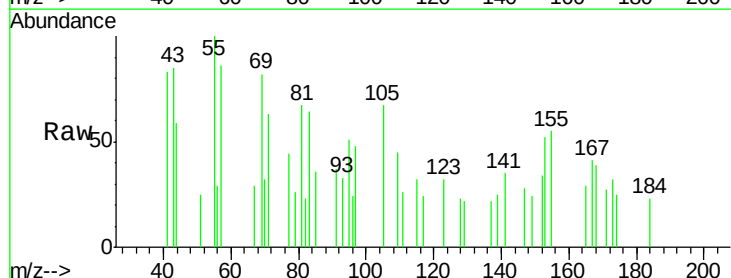


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

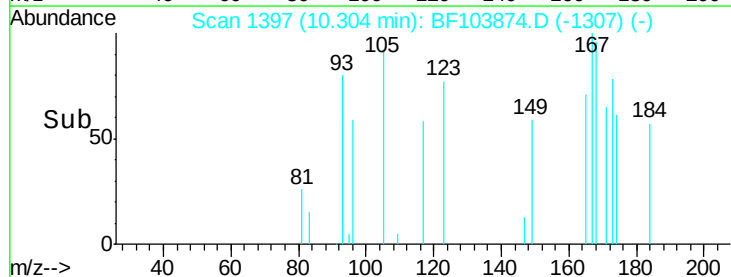
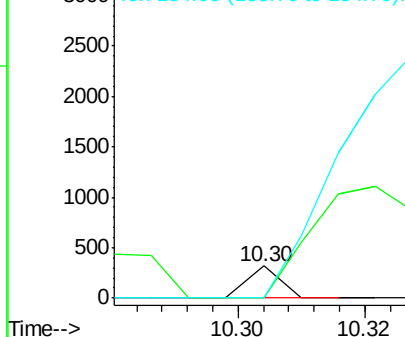


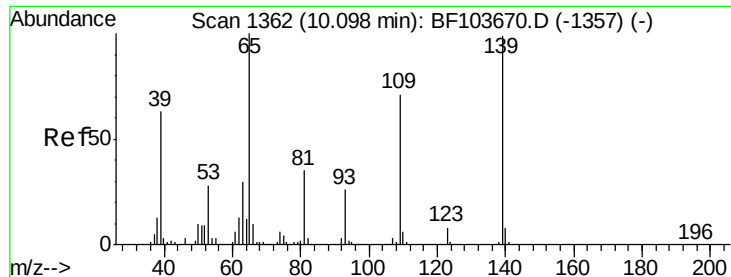
#53
2,4-Dinitrophenol
Concen: 6.463 ng
RT: 10.30 min Scan# 1397
Delta R.T. 0.23 min
Lab File: BF103874.D
Acq: 23 Mar 2018 12:34

Tgt Ion:184 Resp: 112
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

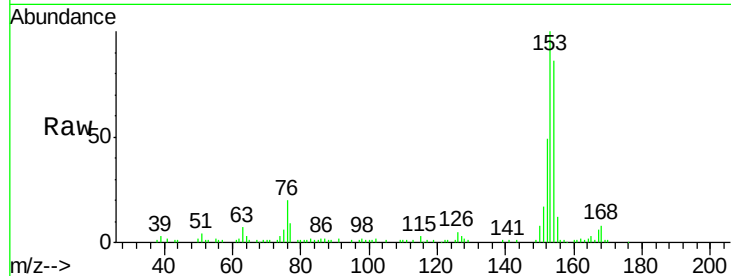




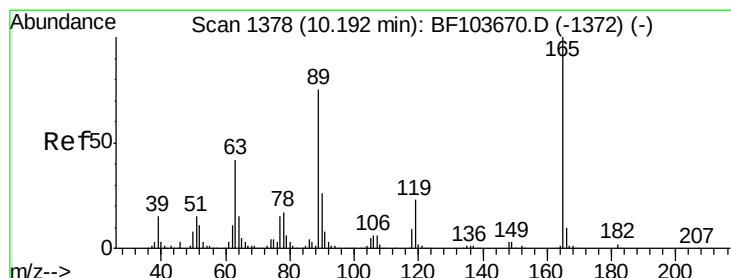
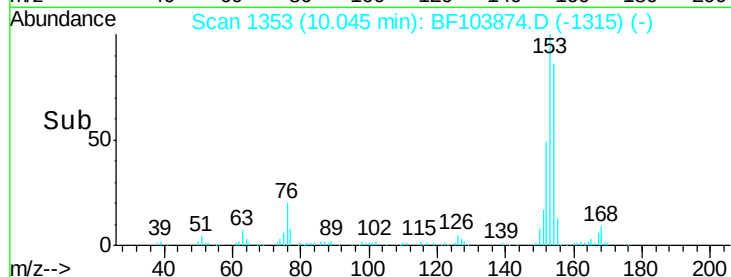
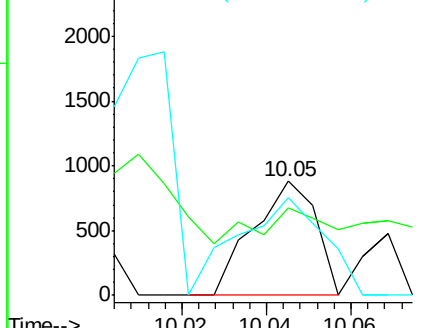
#55
4-Nitrophenol
Concen: 5.170 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.08 min
Lab File: BF103874.D
Acq: 23 Mar 2018 12:34

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 906
Ion Ratio Lower Upper
139 100
109 76.5 48.4 88.4
65 85.6 72.6 112.6

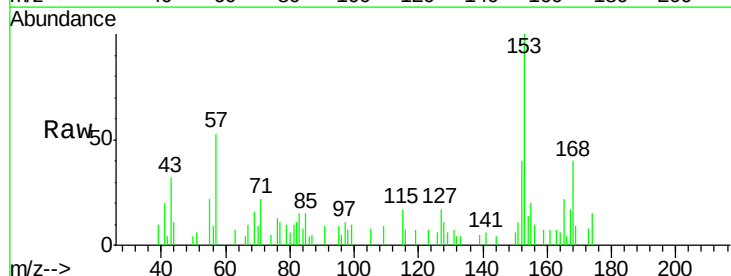


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

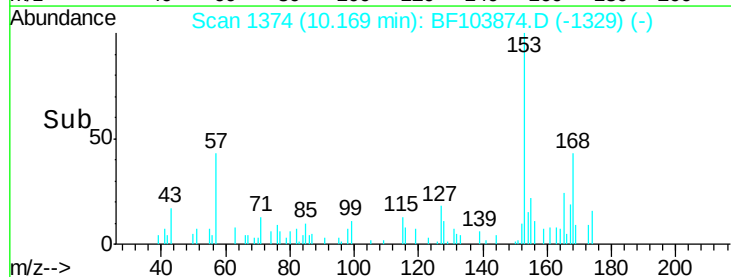
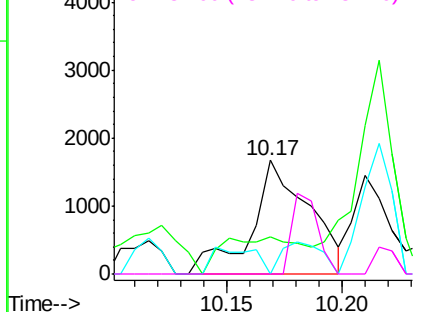


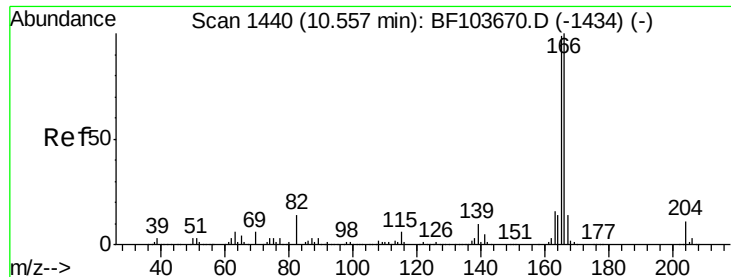
#56
2,4-Dinitrotoluene
Concen: 6.661 ng
RT: 10.17 min Scan# 1374
Delta R.T. -0.04 min
Lab File: BF103874.D
Acq: 23 Mar 2018 12:34

Tgt Ion:165 Resp: 2923
Ion Ratio Lower Upper
165 100
63 32.8 36.4 54.6#
89 0.0 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

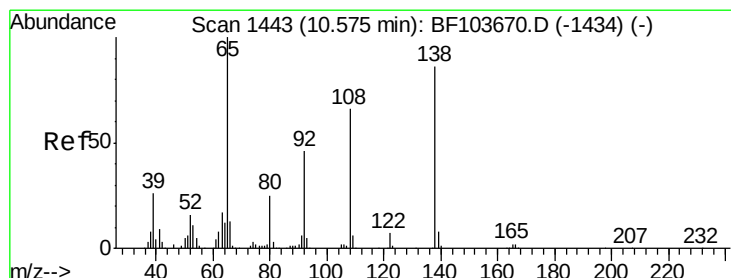
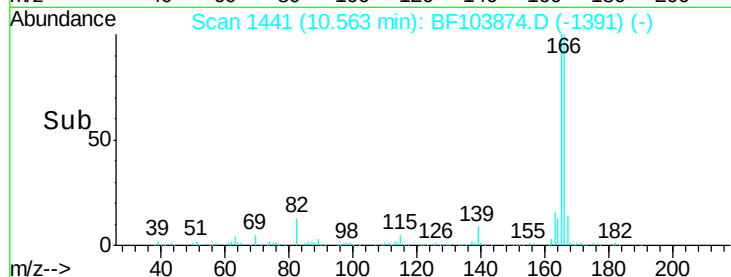
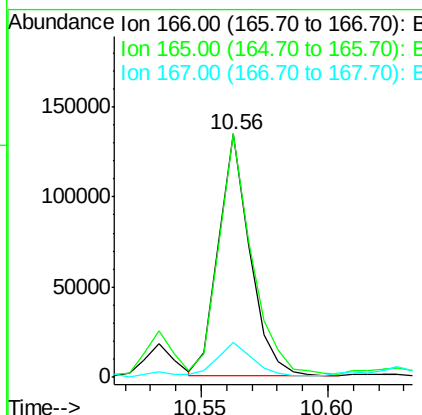
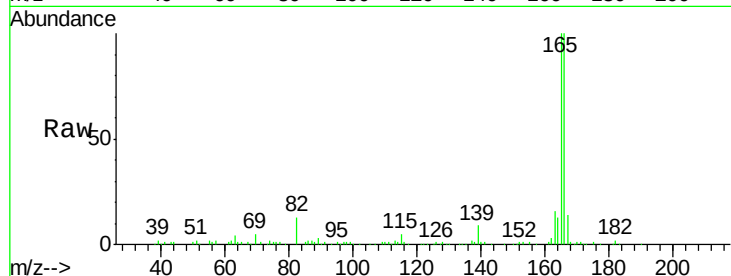




#57
 Fluorene
 Concen: 5.678 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF103874.D
 Acq: 23 Mar 2018 12:34

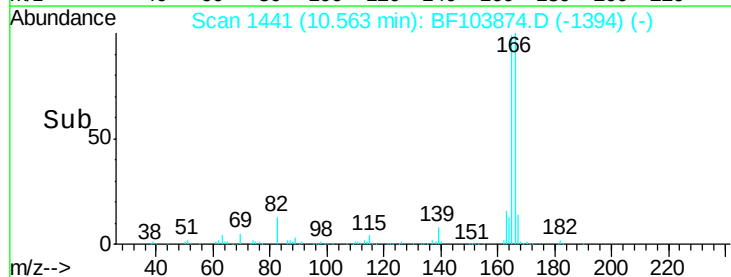
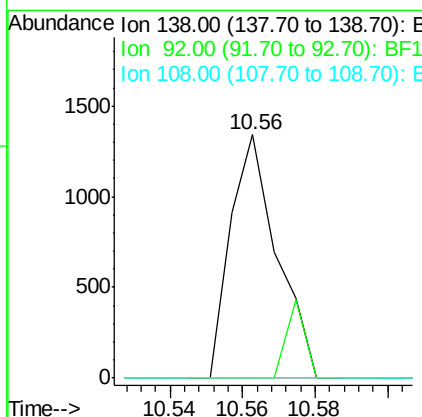
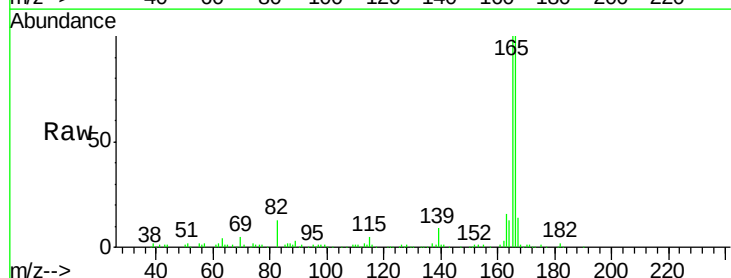
Instrument :
 BNA_F
 ClientSampleId :

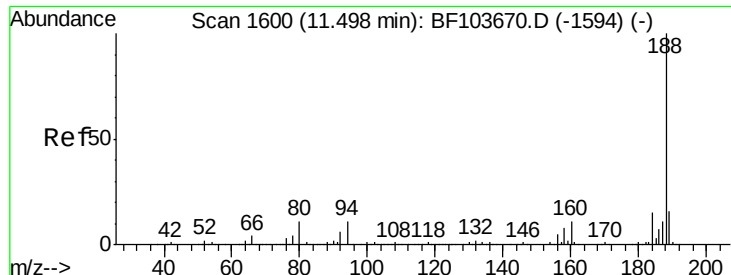
Tot Ion:166 Resp: 116597
 Ion Ratio Lower Upper
 166 100
 165 99.9 79.8 119.8
 167 14.3 10.6 16.0



#61
 4-Nitroaniline
 Concen: 3.963 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.02 min
 Lab File: BF103874.D
 Acq: 23 Mar 2018 12:34

Tgt Ion:138 Resp: 1196
 Ion Ratio Lower Upper
 138 100
 92 0.0 30.2 70.2#
 108 0.0 52.5 92.5#

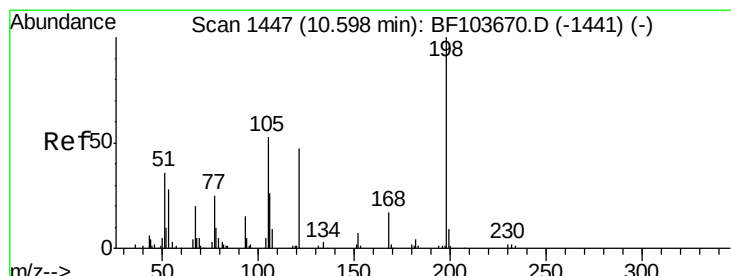
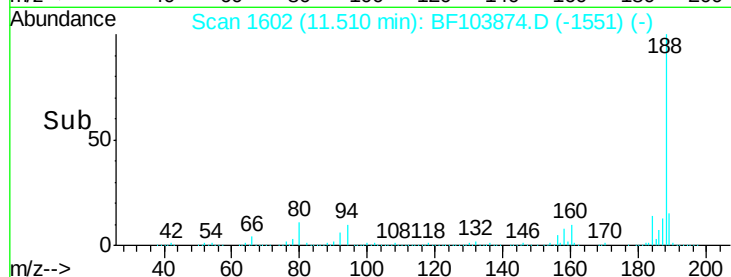
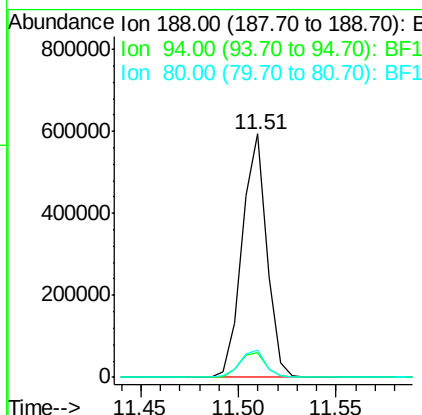
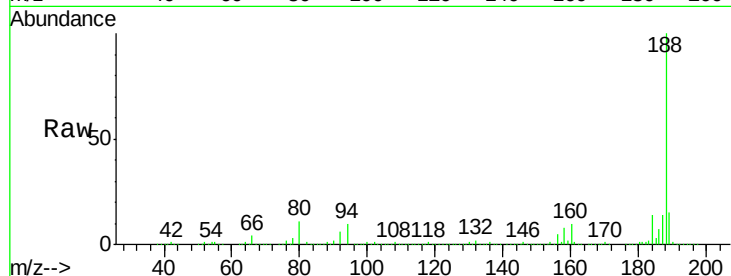




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.00 min
 Lab File: BF103874.D
 Acq: 23 Mar 2018 12:34

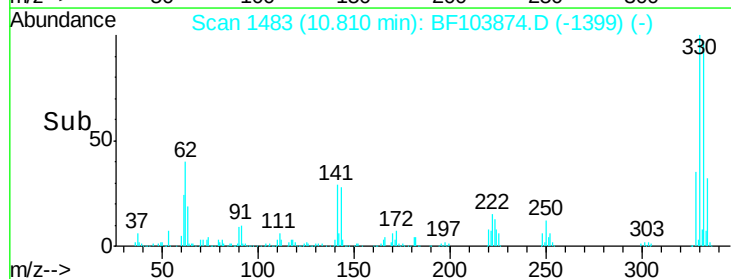
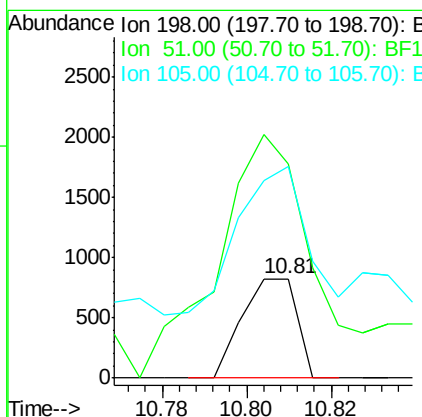
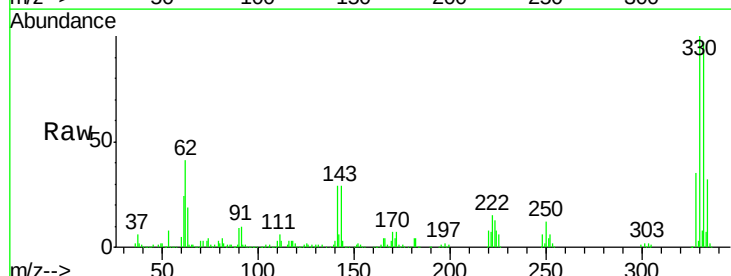
Instrument :
 BNA_F
 ClientSampleId :

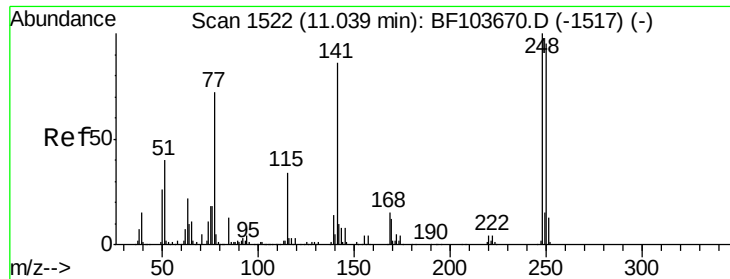
Tot Ion:188 Resp: 520250
 Ion Ratio Lower Upper
 188 100
 94 10.3 8.5 12.7
 80 11.1 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.545 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. 0.19 min
 Lab File: BF103874.D
 Acq: 23 Mar 2018 12:34

Tgt Ion:198 Resp: 744
 Ion Ratio Lower Upper
 198 100
 51 215.5 37.7 77.7#
 105 212.8 36.3 76.3#

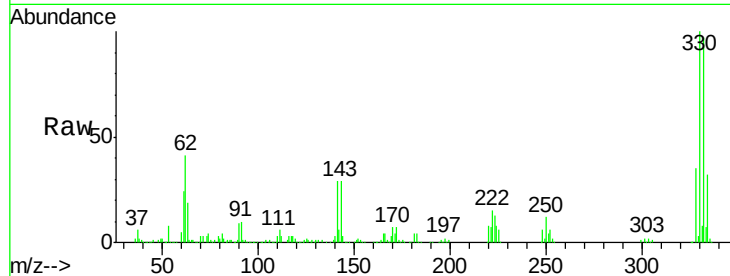




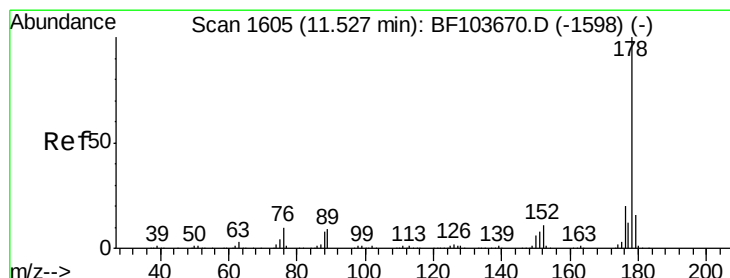
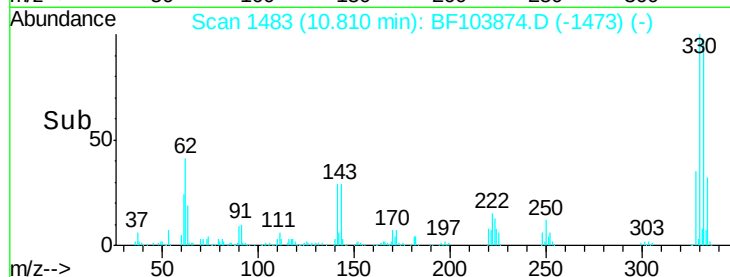
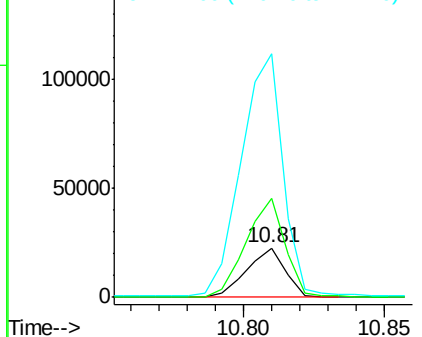
#66
4-Bromophenyl-phenylether
Concen: 4.001 ng
RT: 10.81 min Scan# 1483
Delta R.T. -0.24 min
Lab File: BF103874.D
Acq: 23 Mar 2018 12:34

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 21371
Ion Ratio Lower Upper
248 100
250 200.0 76.9 115.3#
141 490.0 74.4 111.6#

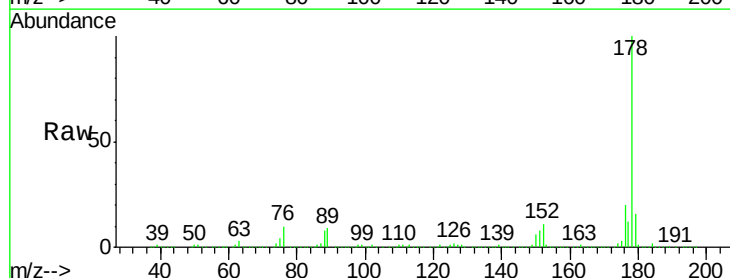


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

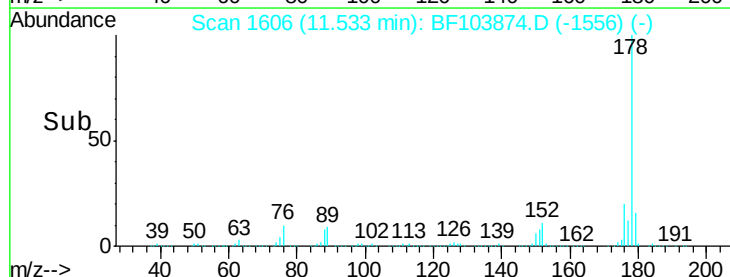
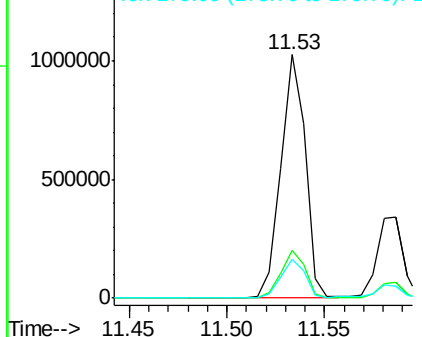


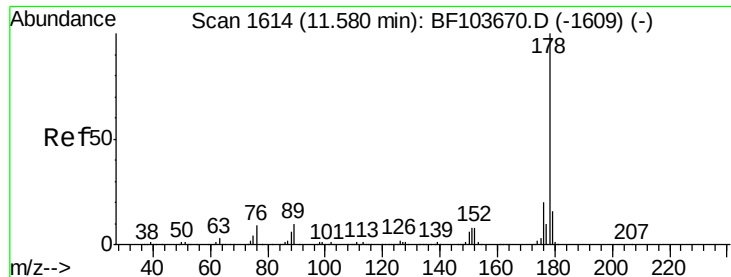
#70
Phenanthrene
Concen: 31.281 ng
RT: 11.53 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BF103874.D
Acq: 23 Mar 2018 12:34

Tgt Ion:178 Resp: 890216
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 16.0 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

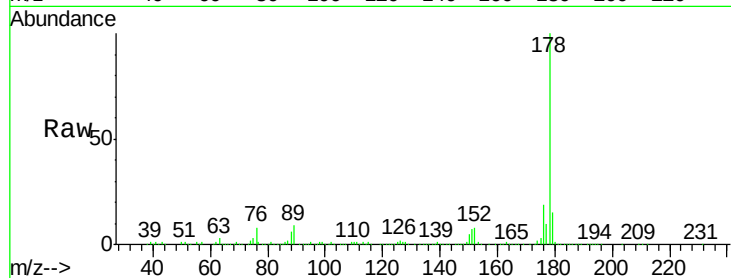




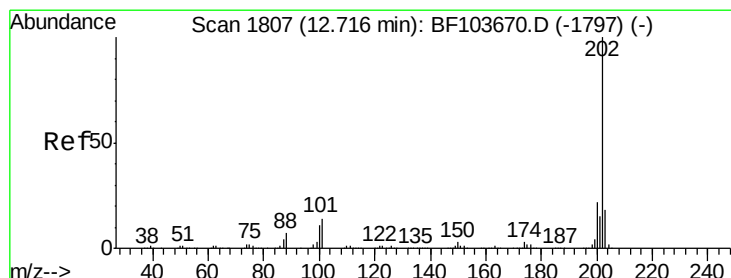
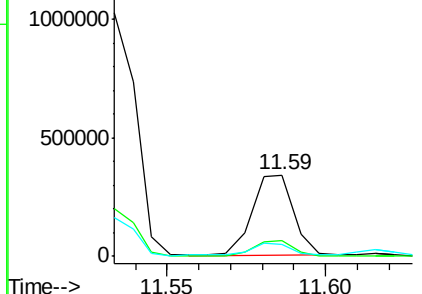
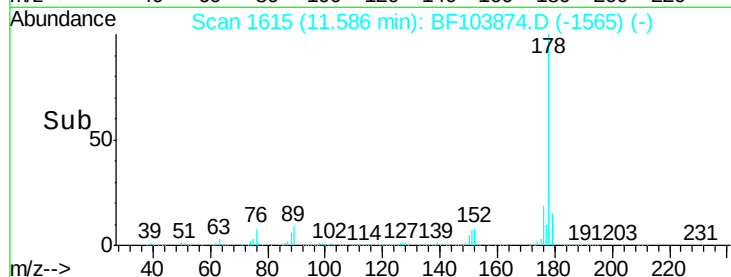
#71
 Anthracene
 Concen: 10.669 ng
 RT: 11.59 min Scan# 1615
 Delta R.T. -0.01 min
 Lab File: BF103874.D
 Acq: 23 Mar 2018 12:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 308373
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.2
 179 15.2 12.6 19.0

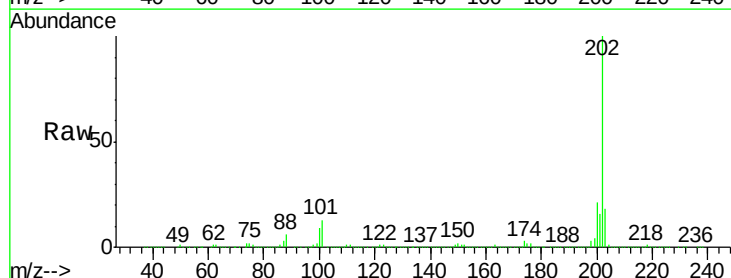


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

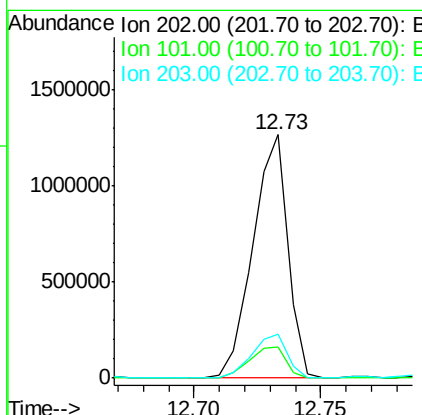
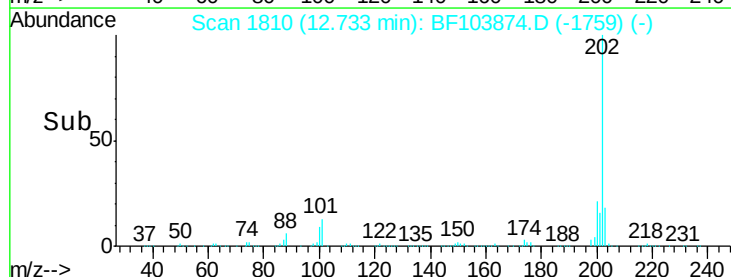


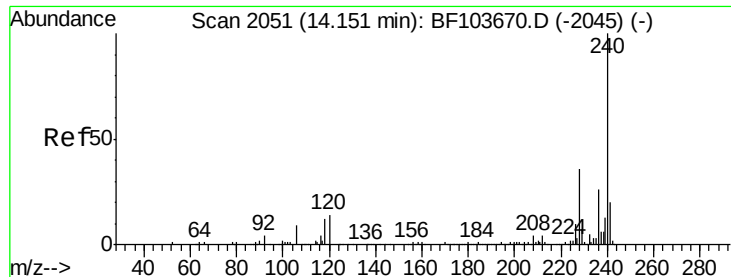
#74
 Fluoranthene
 Concen: 41.515 ng
 RT: 12.73 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: BF103874.D
 Acq: 23 Mar 2018 12:34

Tgt Ion:202 Resp: 1217191
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 34.1
 203 17.9 0.0 38.1



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF103874.D

Acq: 23 Mar 2018 12:34

Instrument :

BNA_F

ClientSampleId :

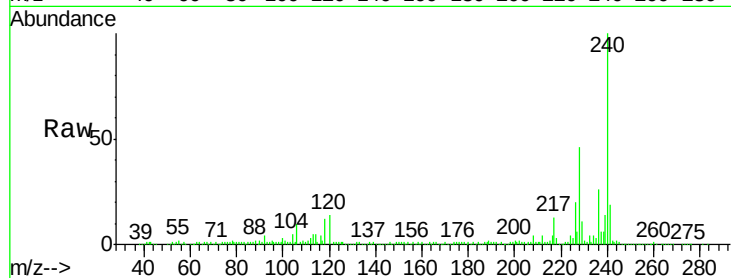
Tot Ion:240 Resp: 322216

Ion Ratio Lower Upper

240 100

120 14.1 9.5 14.3

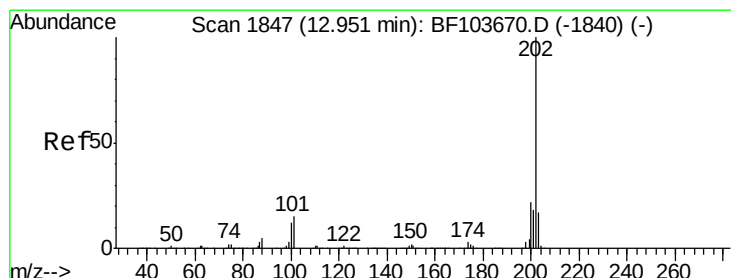
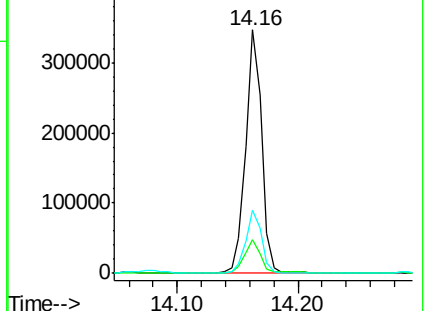
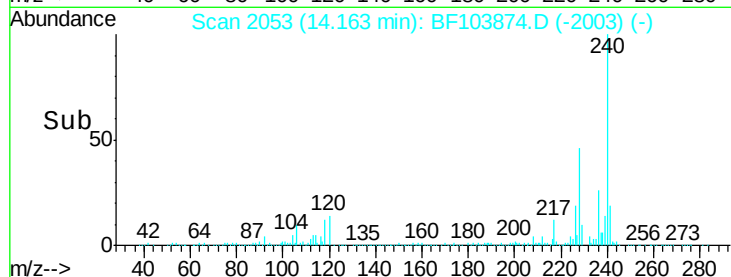
236 25.8 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 50.571 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.00 min

Lab File: BF103874.D

Acq: 23 Mar 2018 12:34

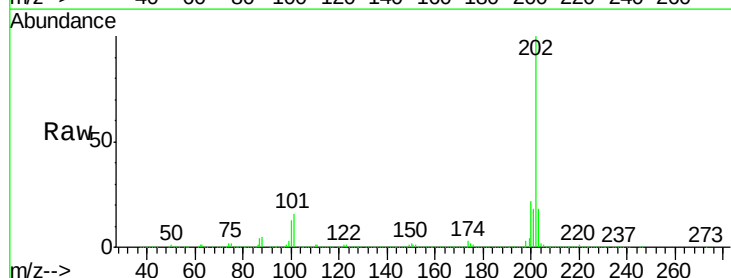
Tgt Ion:202 Resp: 1196674

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

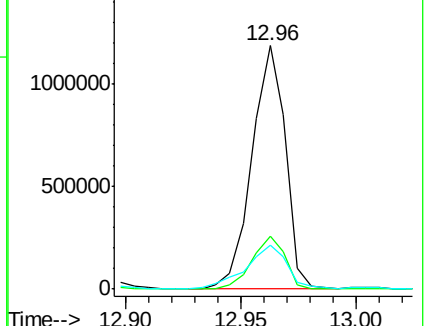
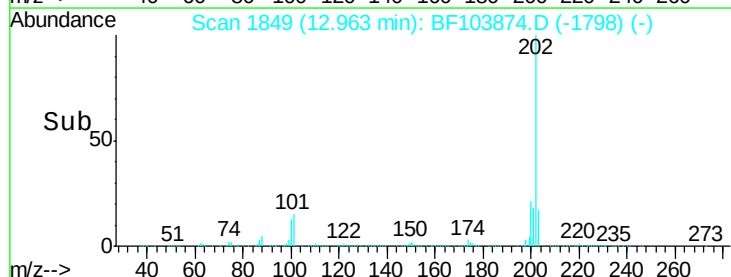
203 17.9 14.3 21.5

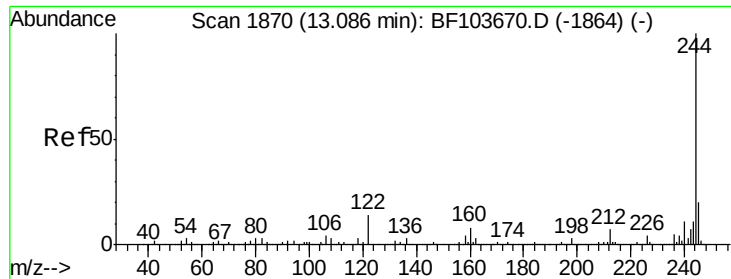


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 86.696 ng

RT: 13.10 min Scan# 1872

Delta R.T. -0.00 min

Lab File: BF103874.D

Acq: 23 Mar 2018 12:34

Instrument :

BNA_F

ClientSampleId :

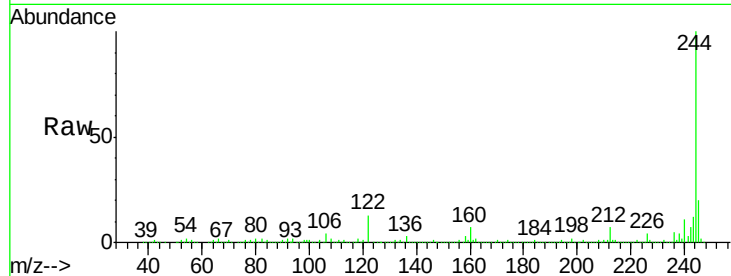
Tot Ion:244 Resp: 1203490

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

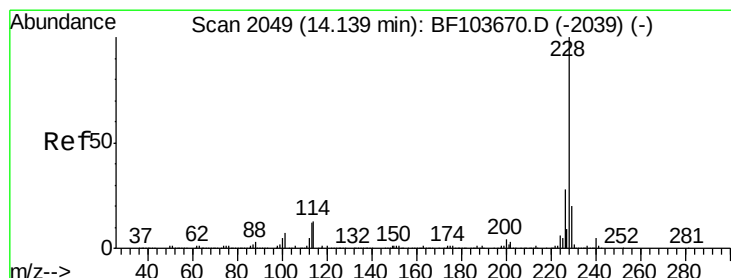
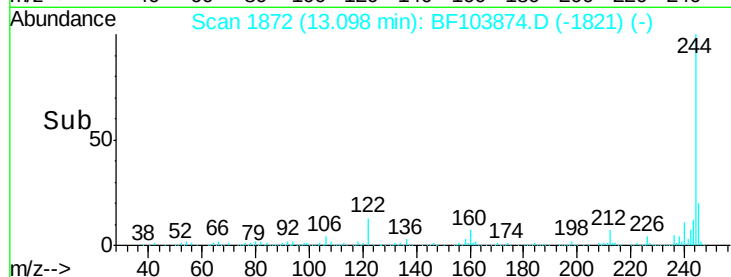
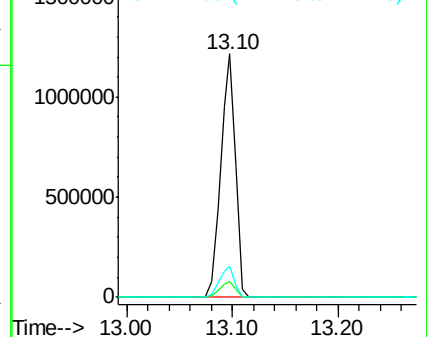
122 12.6 11.0 16.4



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



#80

Benzo(a)anthracene

Concen: 25.971 ng

RT: 14.19 min Scan# 2058

Delta R.T. 0.04 min

Lab File: BF103874.D

Acq: 23 Mar 2018 12:34

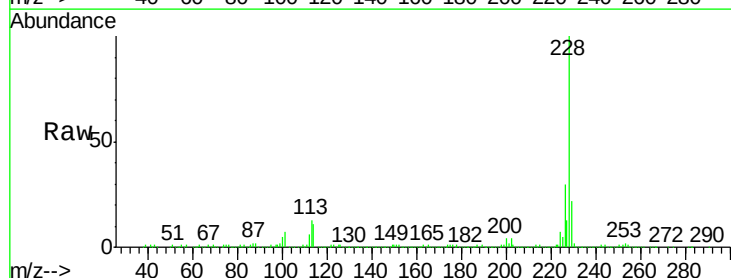
Tgt Ion:228 Resp: 529713

Ion Ratio Lower Upper

228 100

226 30.2 22.6 33.8

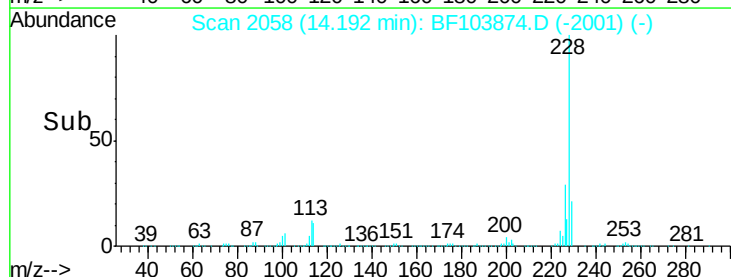
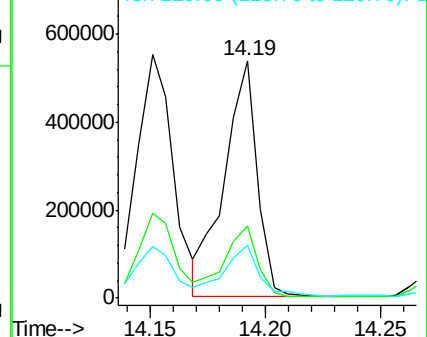
229 22.3 15.8 23.6

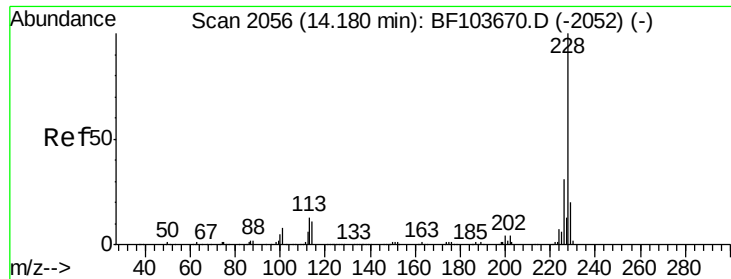


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 27.245 ng

RT: 14.19 min Scan# 2058

Delta R.T. -0.01 min

Lab File: BF103874.D

Acq: 23 Mar 2018 12:34

Instrument :

BNA_F

ClientSampleId :

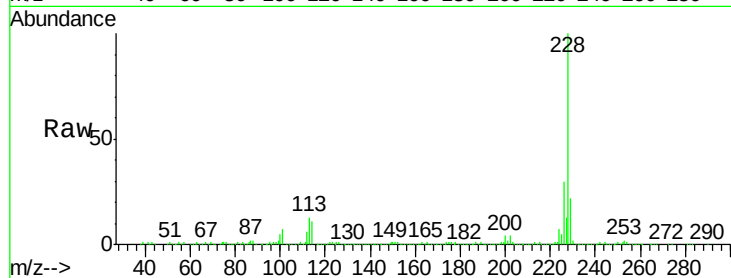
Tot Ion:228 Resp: 529713

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

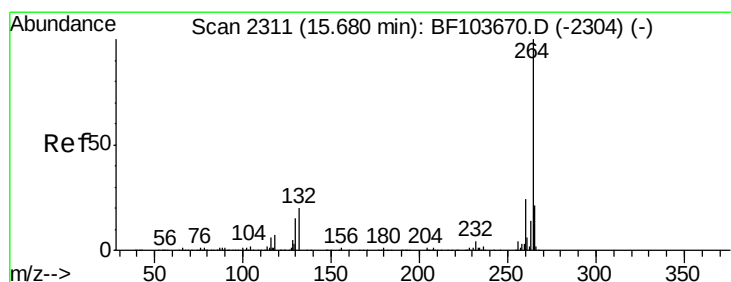
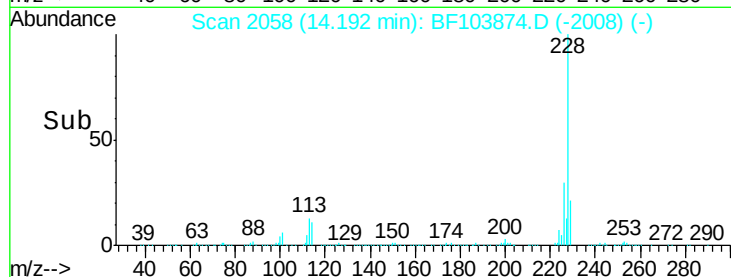
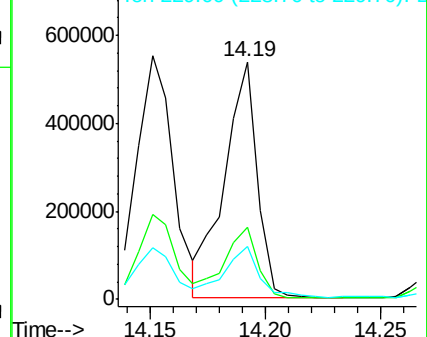
229 22.3 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.71 min Scan# 2316

Delta R.T. -0.00 min

Lab File: BF103874.D

Acq: 23 Mar 2018 12:34

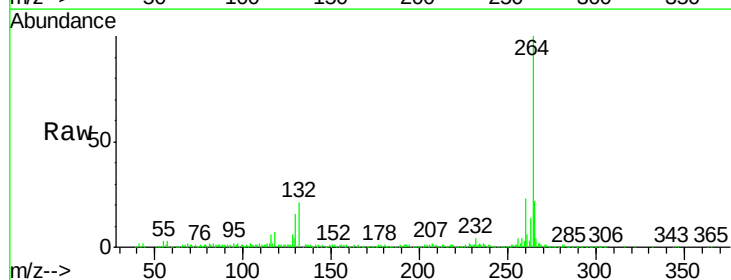
Tgt Ion:264 Resp: 329546

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

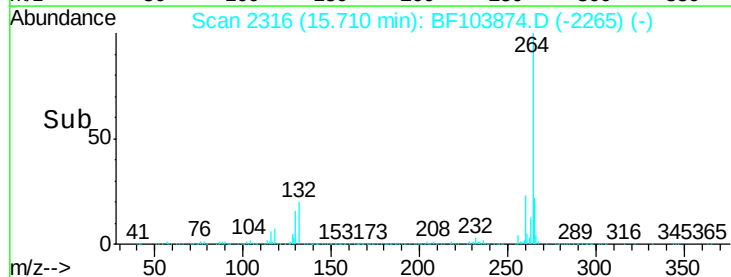
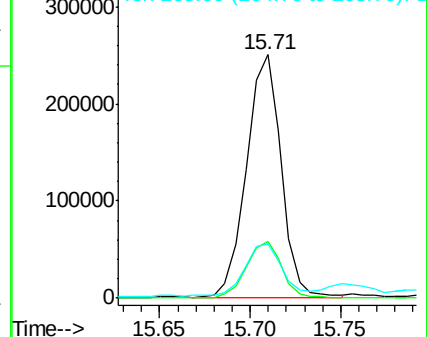
265 22.4 17.5 26.3

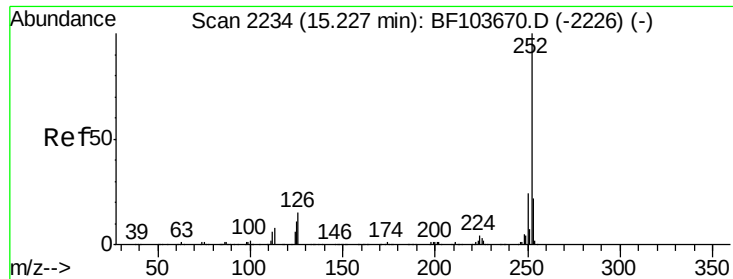


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 41.810 ng

RT: 15.25 min Scan# 2238

Delta R.T. -0.00 min

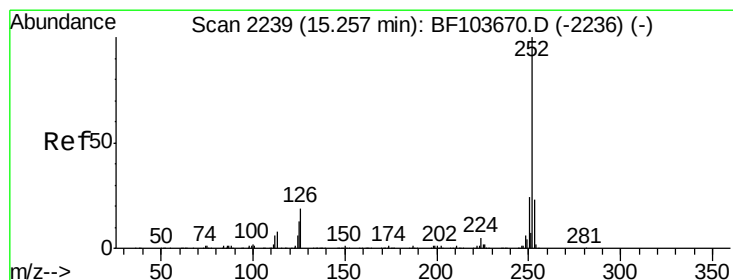
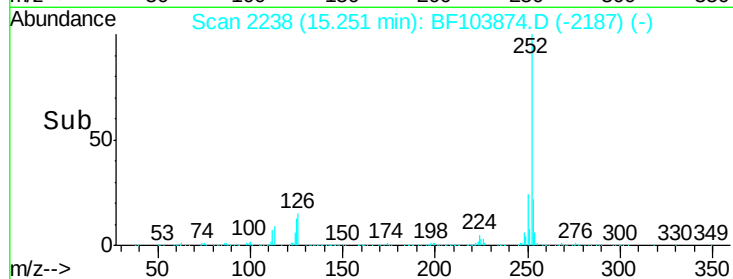
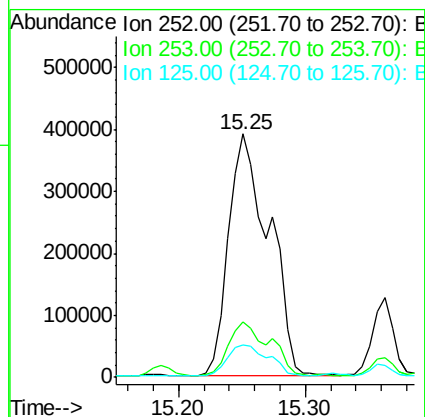
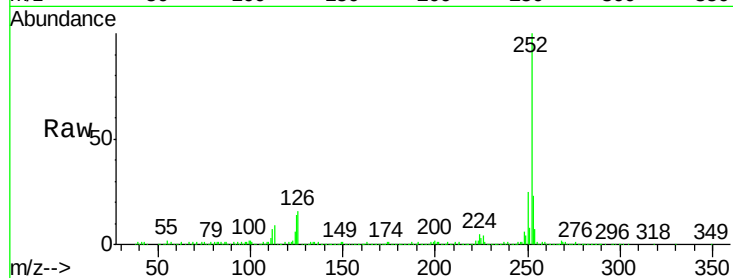
Lab File: BF103874.D

Acq: 23 Mar 2018 12:34

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 870486

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	13.6	9.0	13.6#



#88

Benzo(k)fluoranthene

Concen: 43.495 ng

RT: 15.25 min Scan# 2238

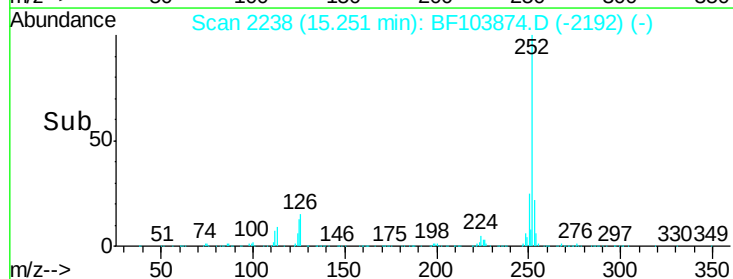
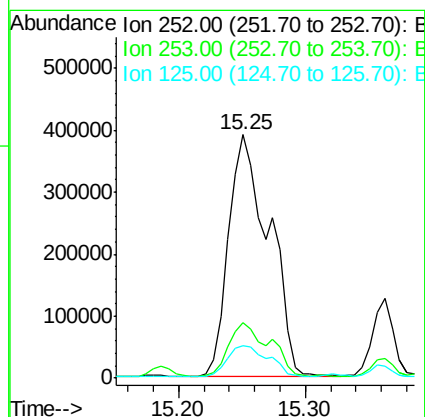
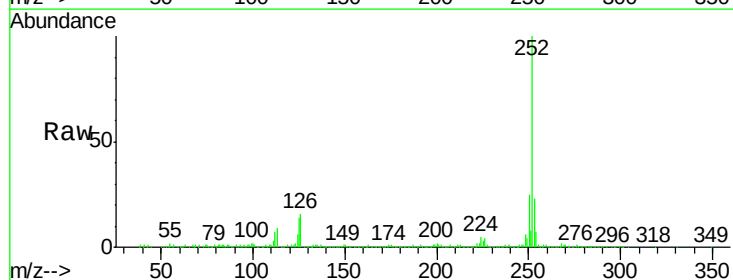
Delta R.T. -0.03 min

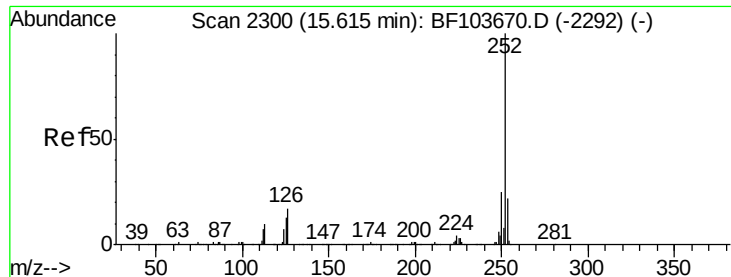
Lab File: BF103874.D

Acq: 23 Mar 2018 12:34

Tgt Ion:252 Resp: 870486

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	13.6	10.2	15.2

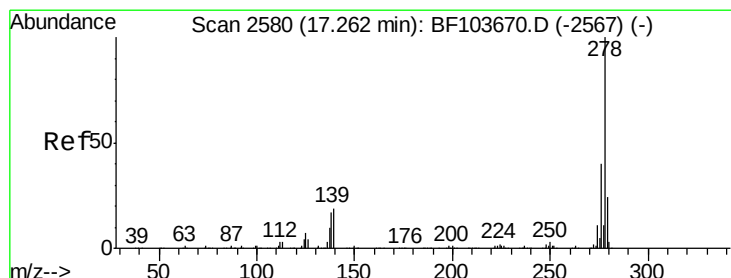
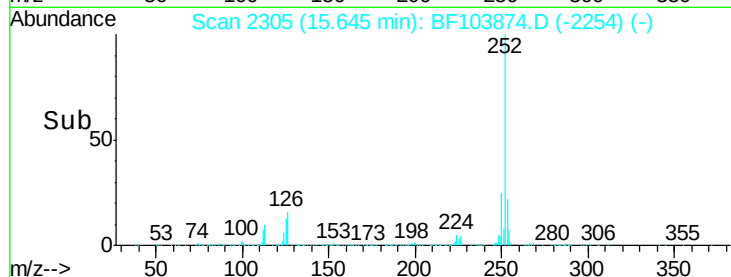
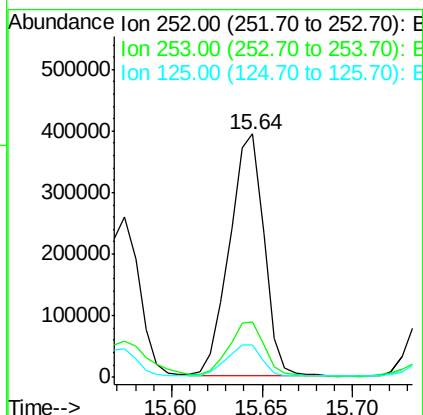
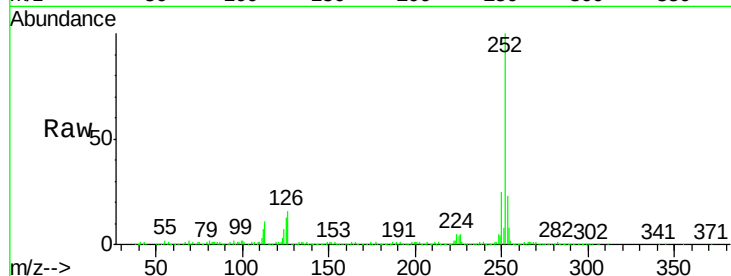




#89
Benzo(a)pyrene
Concen: 27.648 ng
RT: 15.64 min Scan# 2305
Delta R.T. -0.00 min
Lab File: BF103874.D
Acq: 23 Mar 2018 12:34

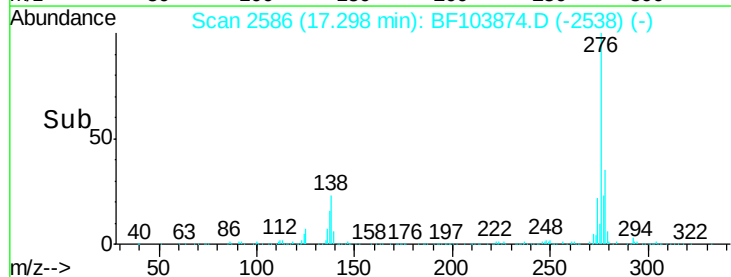
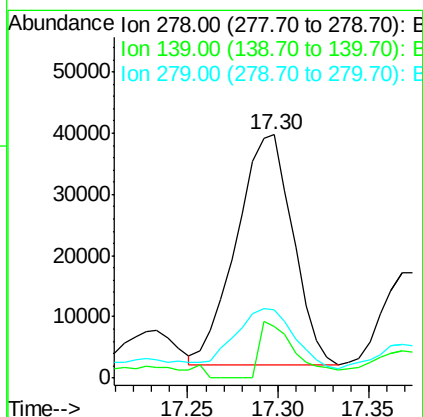
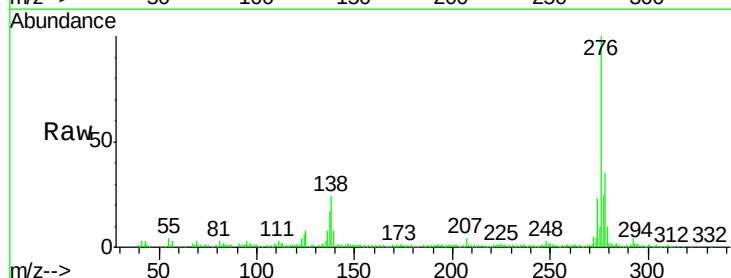
Instrument :
BNA_F
ClientSampleId :

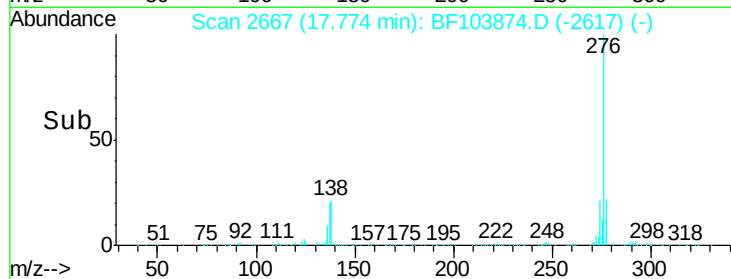
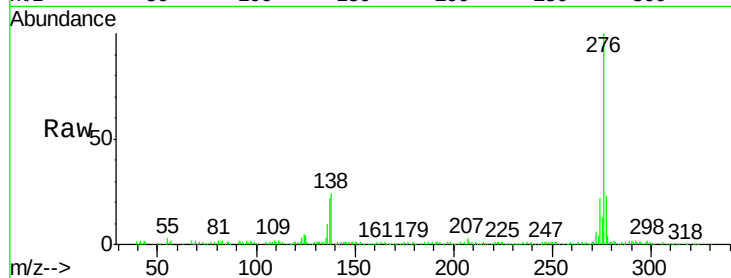
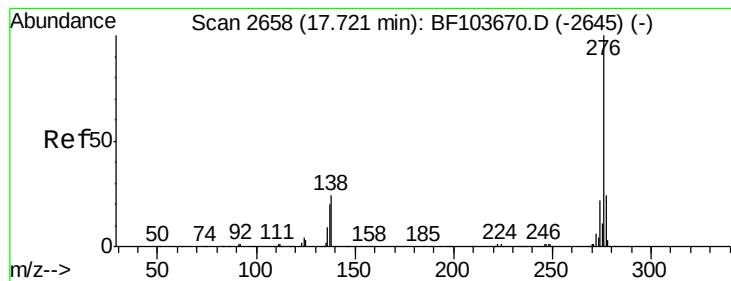
Tot Ion:252 Resp: 522094
Ion Ratio Lower Upper
252 100
253 22.6 17.1 25.7
125 13.4 9.8 14.6



#90
Dibenzo(a,h)anthracene
Concen: 4.972 ng
RT: 17.30 min Scan# 2586
Delta R.T. -0.02 min
Lab File: BF103874.D
Acq: 23 Mar 2018 12:34

Tgt Ion:278 Resp: 81302
Ion Ratio Lower Upper
278 100
139 21.4 15.9 23.9
279 28.2 19.0 28.4





#91
 Benzo(a,h,i)perylene
 Concen: 17.974 ng
 RT: 17.77 min Scan# 2667
 Delta R.T. -0.01 min
 Lab File: BF103874.D
 Acq: 23 Mar 2018 12:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	276	Resp:	285928
Ion	Ratio	Lower	Upper
276	100		
277	23.5	17.9	26.9
138	24.2	21.8	32.8

