

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
 Data File : BF104013.D
 Acq On : 28 Mar 2018 16:45
 Operator : JU/SJ
 Sample : J2075-03 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 28 17:54:23 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 13:41:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	134191	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	489653	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	248151	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	354380	20.00	ng	0.00
75) Chrysene-d12	14.16	240	224694	20.00	ng	0.00
86) Perylene-d12	15.70	264	283565	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	306618	36.44	ng	0.00
7) Phenol-d6	6.60	99	393487	38.01	ng	0.00
23) Nitrobenzene-d5	7.53	82	226675	28.31	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	89504	32.39	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	439881	27.95	ng	0.00
78) Terphenyl-d14	13.09	244	294606	30.27	ng	0.00

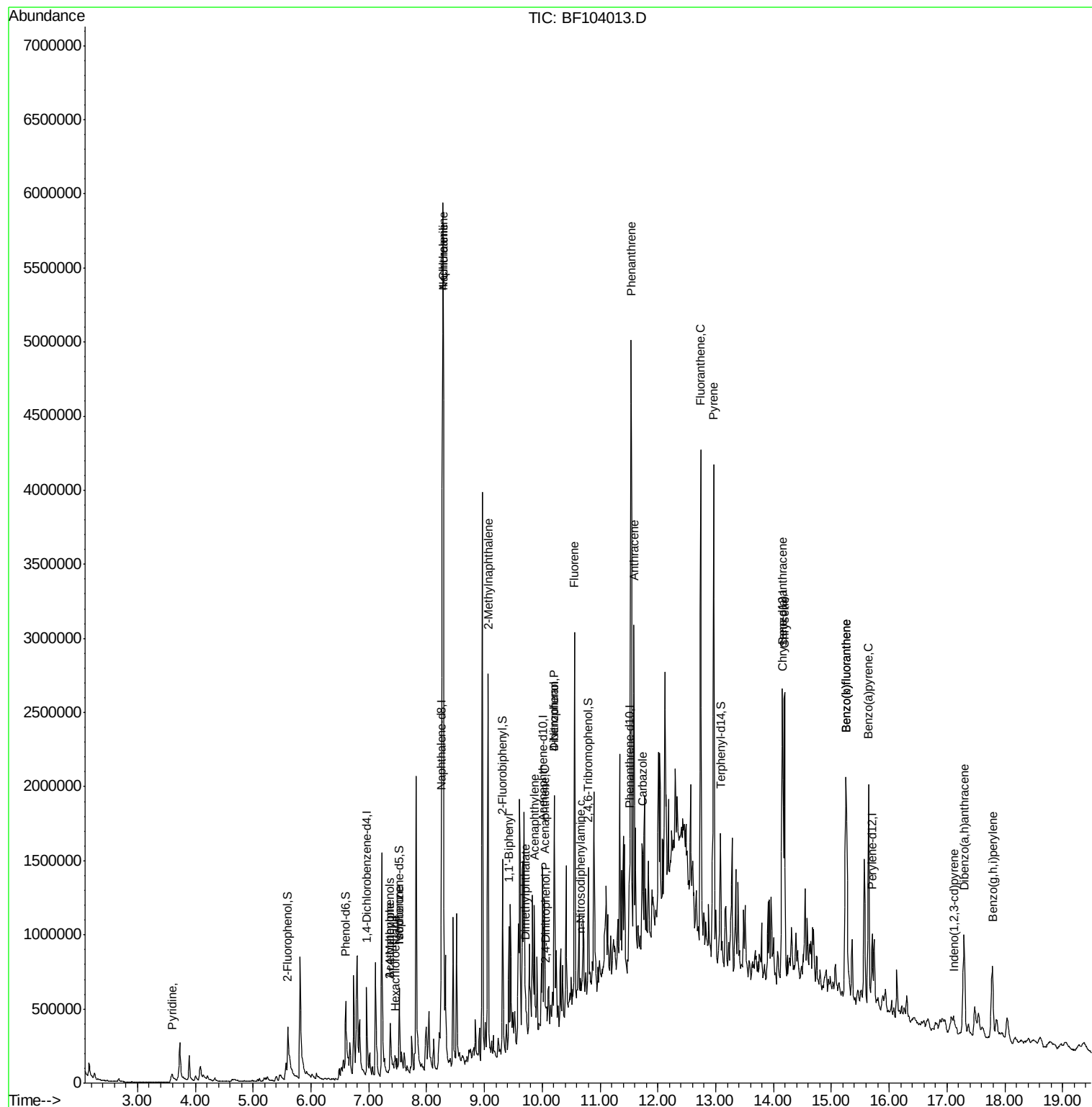
Target Compounds				Qvalue		
3) Pyridine	3.60	79	59235	6.447	ng	# 30
18) Hexachloroethane	7.46	117	12785	3.435	ng	# 12
20) 3+4-Methylphenols	7.37	107	87345	9.110	ng	# 35
22) Acetophenone	7.37	105	133695	11.285	ng	# 98
25) Isophorone	7.53	82	225809	15.303	ng	# 65
31) Naphthalene	8.29	128	5327226	222.699	ng	98
33) 4-Chloroaniline	8.29	127	747916	74.162	ng	# 35
37) 2-Methylnaphthalene	9.06	142	825296	52.376	ng	97
45) 1,1'-Biphenyl	9.42	154	307533	14.439	ng	99
48) Acenaphthylene	9.87	152	336049	13.203	ng	99
49) Dimethylphthalate	9.71	163	43777	2.234	ng	# 66
51) Acenaphthene	10.04	154	176100	11.960	ng	98
53) 2,4-Dinitrophenol	10.06	184	2713	6.944	ng	# 3
54) Dibenzofuran	10.21	168	668241	31.080	ng	99
55) 4-Nitrophenol	10.21	139	257246	88.543	ng	# 12
57) Fluorene	10.56	166	873222	49.235	ng	99
65) n-Nitrosodiphenylamine	10.66	169	24570	2.047	ng	# 72
70) Phenanthrene	11.54	178	2574078	134.161	ng	99
71) Anthracene	11.59	178	1015458	50.669	ng	99
72) Carbazole	11.74	167	273926	14.321	ng	98
74) Fluoranthene	12.74	202	2010000	98.557	ng	98
77) Pyrene	12.97	202	1862046	115.281	ng	99
80) Benzo(a)anthracene	14.15	228	1020866	72.611	ng	98
82) Chrysene	14.19	228	876968	63.684	ng	97
85) Indeno(1,2,3-cd)pyrene	17.12	276	104884	7.350	ng	95
87) Benzo(b)fluoranthene	15.25	252	1461073	84.663	ng	# 95
88) Benzo(k)fluoranthene	15.25	252	1461073	89.875	ng	98
89) Benzo(a)pyrene	15.64	252	837925	52.395	ng	97
90) Dibenzo(a,h)anthracene	17.30	278	152725	10.329	ng	95
91) Benzo(g,h,i)perylene	17.79	276	486694	32.863	ng	96

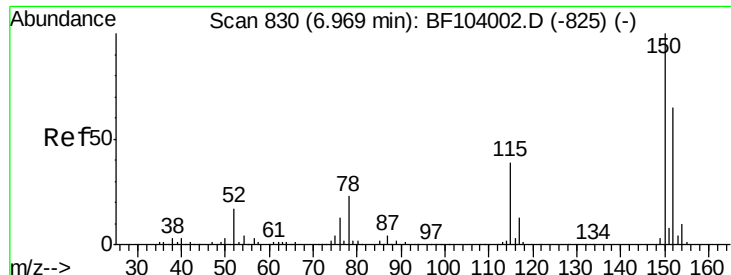
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
Data File : BF104013.D
Acq On : 28 Mar 2018 16:45
Operator : JU/SJ
Sample : J2075-03 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Mar 28 17:54:23 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 28 13:41:47 2018
Response via : Initial Calibration



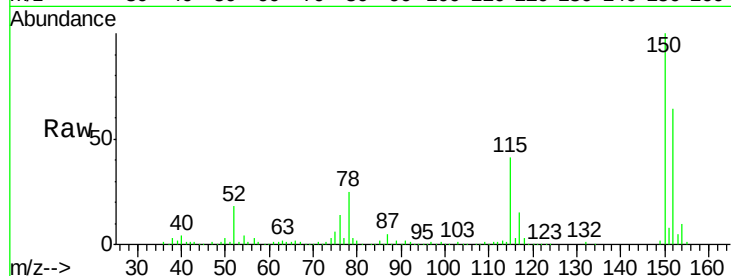


#1

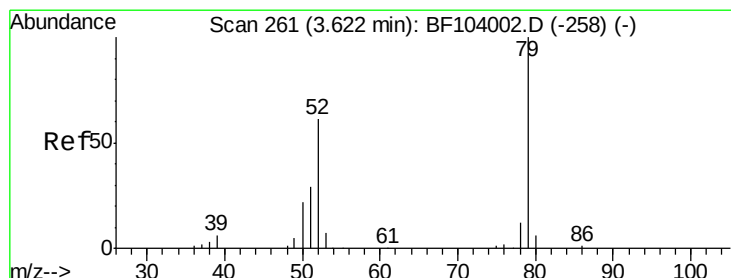
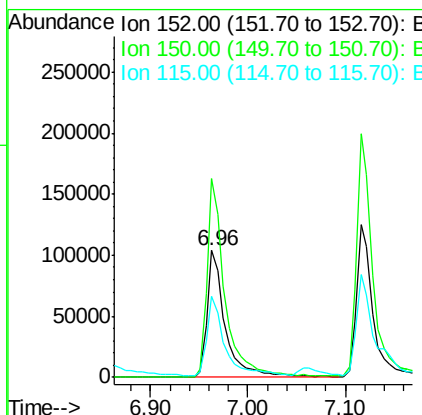
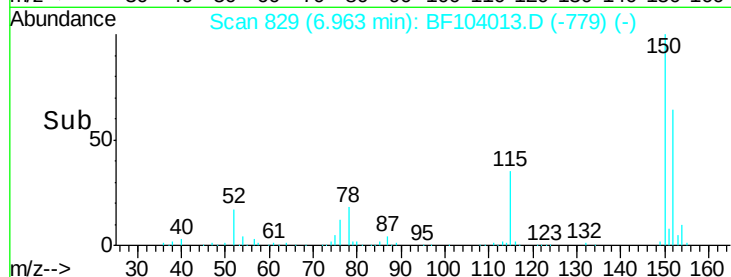
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 829
 Delta R.T. -0.01 min
 Lab File: BF104013.D
 Acq: 28 Mar 2018 16:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.6	186.8
115	63.7	50.1	75.1



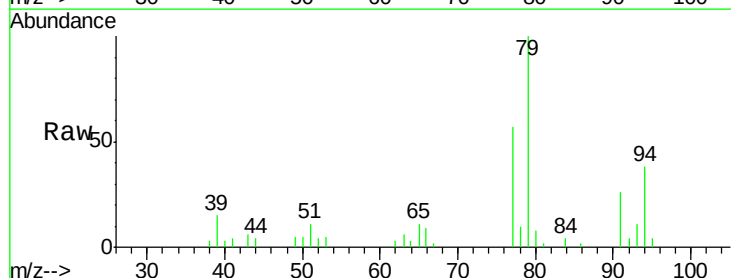
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



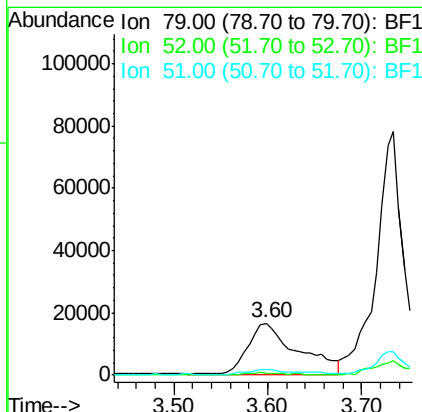
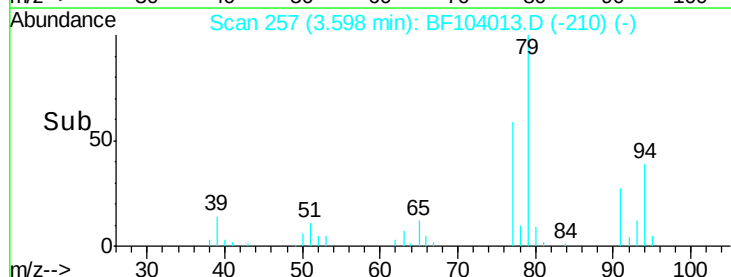
#3

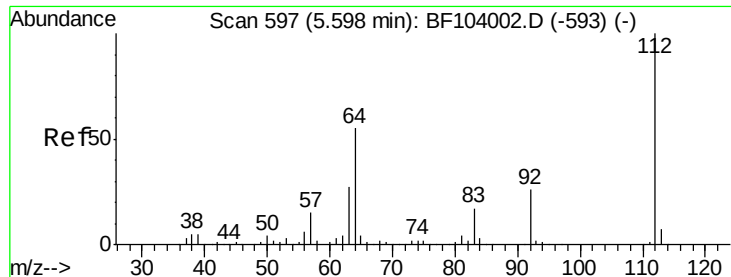
Pyridine
 Concen: 6.447 ng
 RT: 3.60 min Scan# 257
 Delta R.T. -0.02 min
 Lab File: BF104013.D
 Acq: 28 Mar 2018 16:45

Tgt Ion	Ratio	Lower	Upper
79	100		
52	4.4	59.8	89.6#
51	10.9	29.8	44.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1
 Ion 52.00 (51.70 to 52.70): BF1
 Ion 51.00 (50.70 to 51.70): BF1





#5

2-Fluorophenol

Concen: 36.439 ng

RT: 5.60 min Scan# 597

Delta R.T. -0.00 min

Lab File: BF104013.D

Acq: 28 Mar 2018 16:45

Instrument :

BNA_F

ClientSampleId :

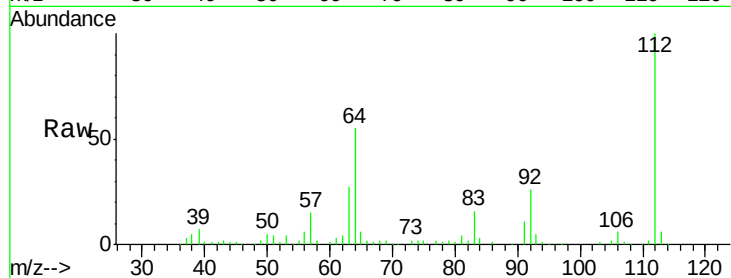
Tot Ion:112 Resp: 306618

Ion Ratio Lower Upper

112 100

64 54.9 47.9 71.9

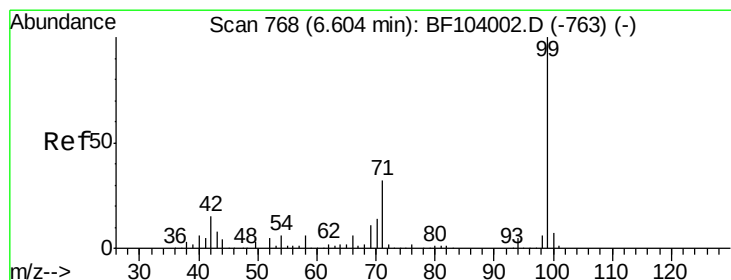
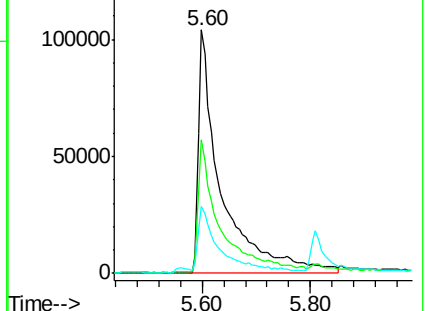
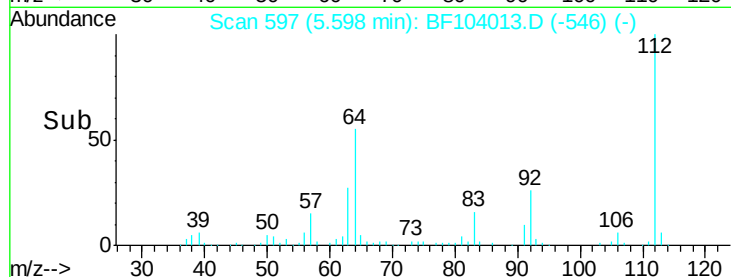
63 27.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 38.009 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF104013.D

Acq: 28 Mar 2018 16:45

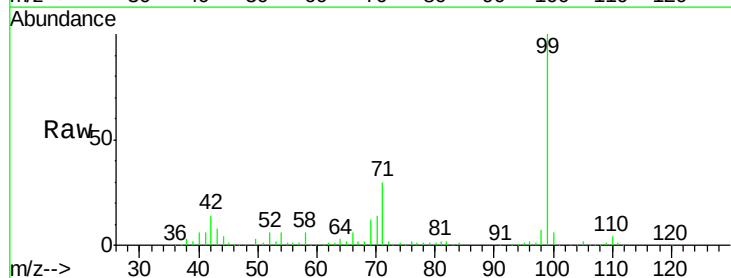
Tgt Ion: 99 Resp: 393487

Ion Ratio Lower Upper

99 100

42 14.3 14.5 21.7#

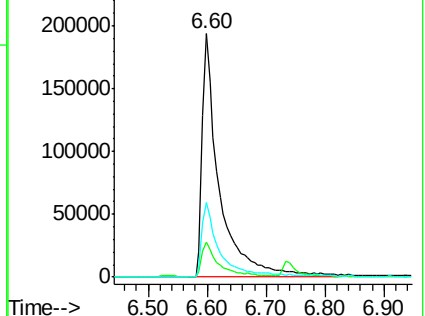
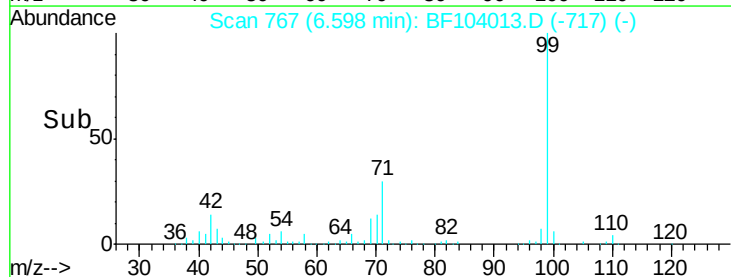
71 30.4 25.4 38.0

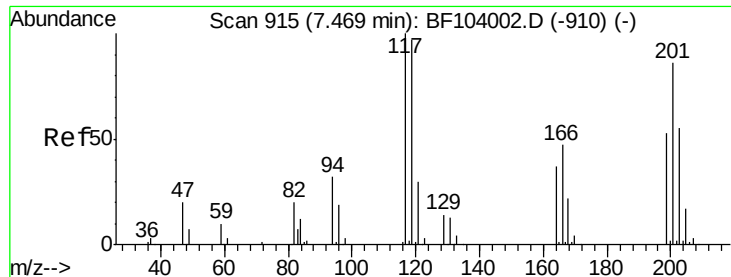


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

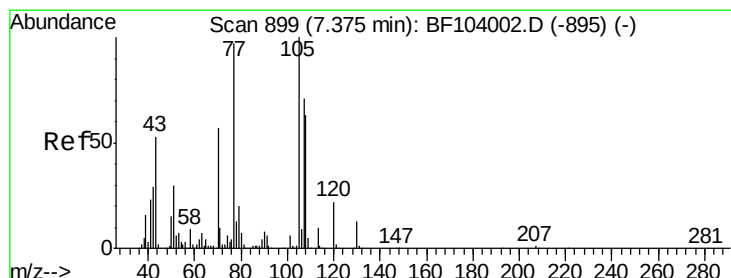
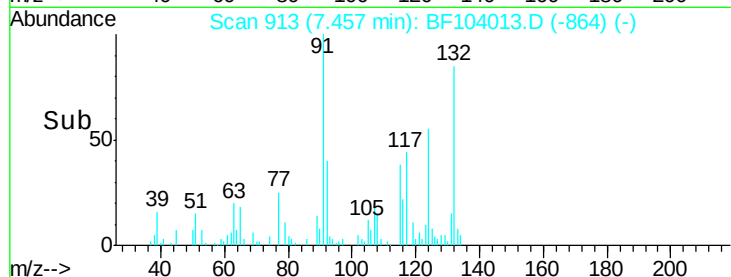
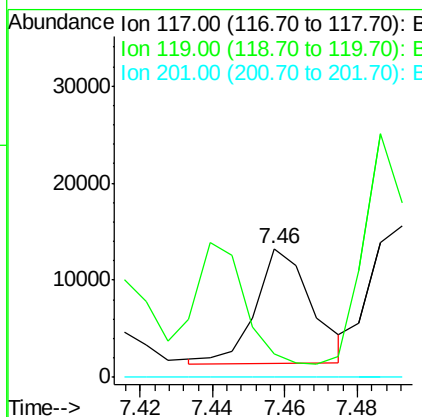
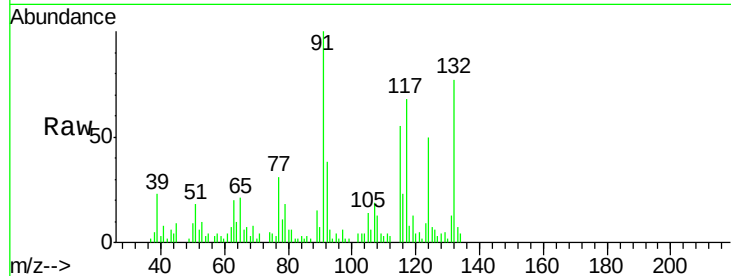




#18
Hexachloroethane
Concen: 3.435 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.01 min
Lab File: BF104013.D
Acq: 28 Mar 2018 16:45

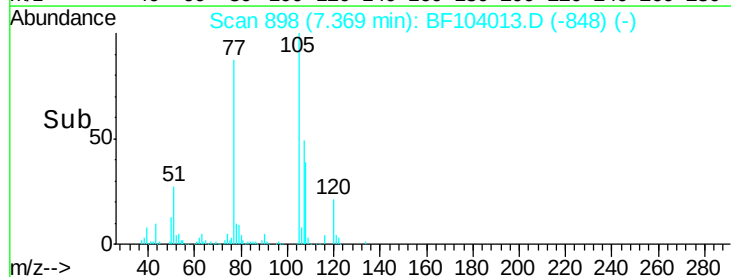
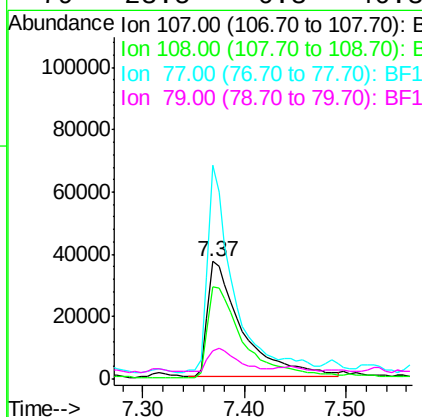
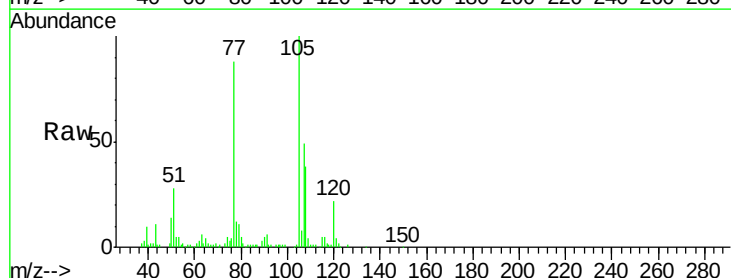
Instrument :
BNA_F
ClientSampleId :

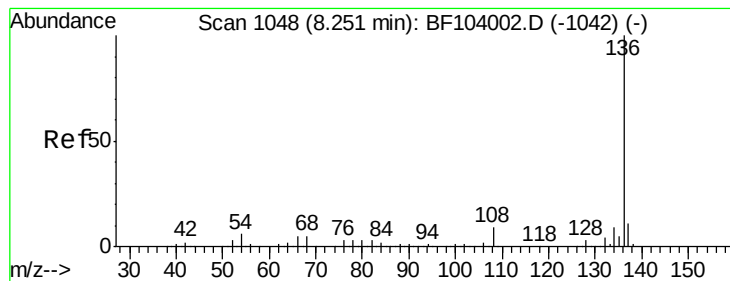
Tot Ion:117 Resp: 12785
Ion Ratio Lower Upper
117 100
119 18.6 75.8 113.8#
201 0.0 75.7 113.5#



#20
3+4-Methylphenols
Concen: 9.110 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104013.D
Acq: 28 Mar 2018 16:45

Tgt Ion:107 Resp: 87345
Ion Ratio Lower Upper
107 100
108 78.8 68.2 108.2
77 181.7 26.7 66.7#
79 23.5 6.3 46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF104013.D

Acq: 28 Mar 2018 16:45

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 489653

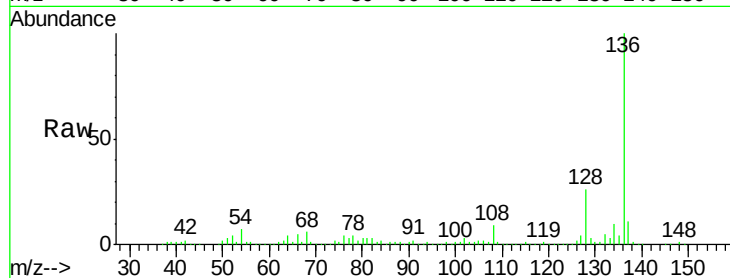
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.8 6.6 9.8

68 6.3 5.0 7.4

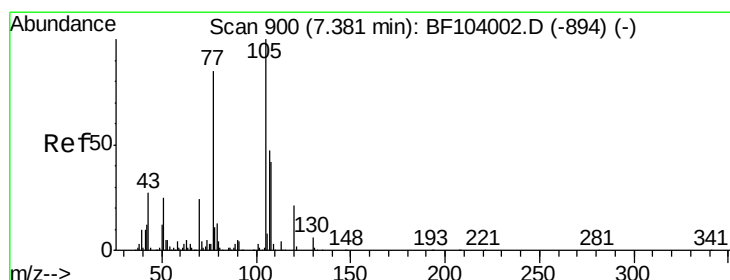
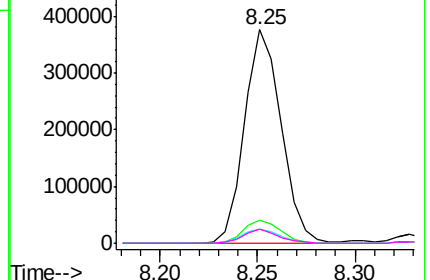
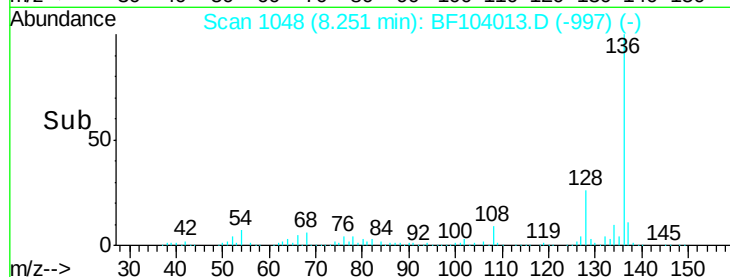


Abundance Ion 136.00 (135.70 to 136.70): E

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: 11.285 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF104013.D

Acq: 28 Mar 2018 16:45

Tgt Ion:105 Resp: 133695

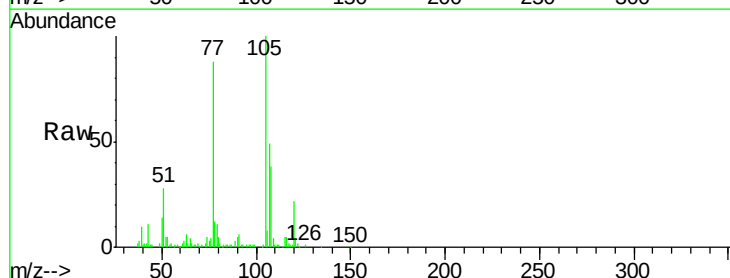
Ion Ratio Lower Upper

105 100

71 0.7 4.4 6.6#

51 28.5 22.3 33.5

120 21.6 16.9 25.3

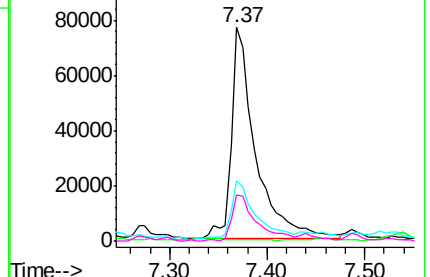
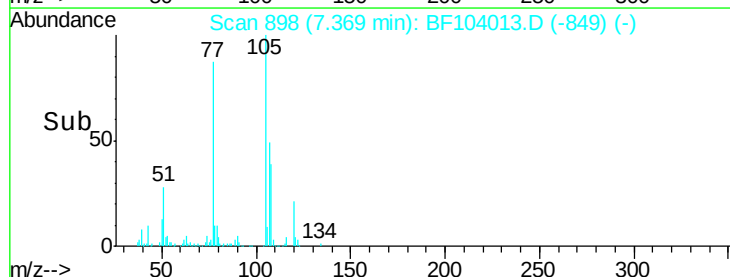


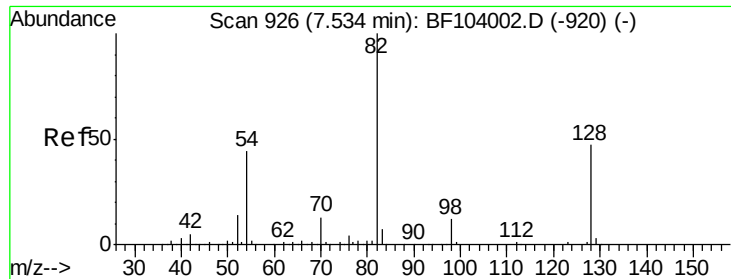
Abundance Ion 105.00 (104.70 to 105.70): E

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

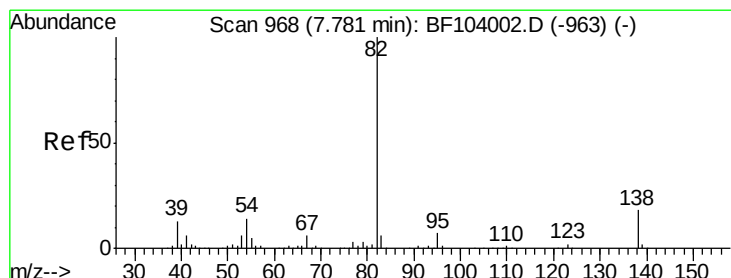
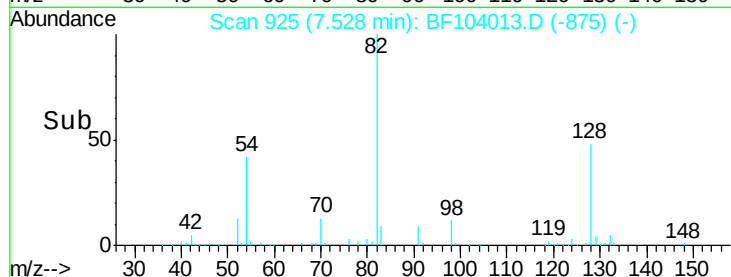
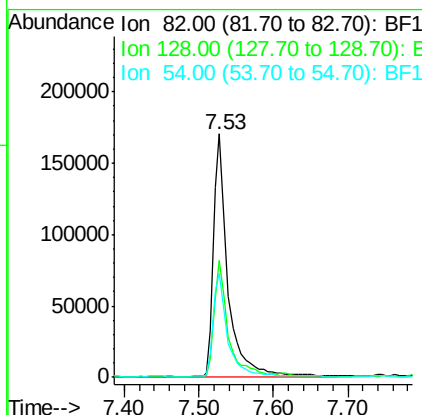
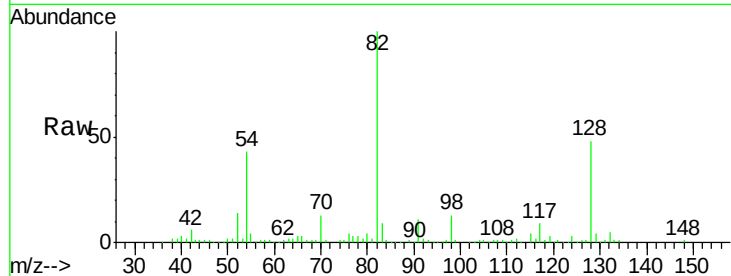




#23
 Nitrobenzene-d5
 Concen: 28.311 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: BF104013.D
 Acq: 28 Mar 2018 16:45

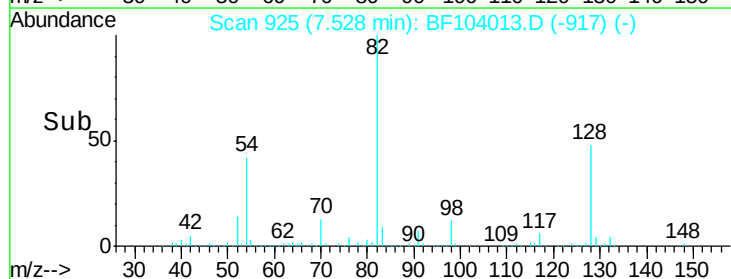
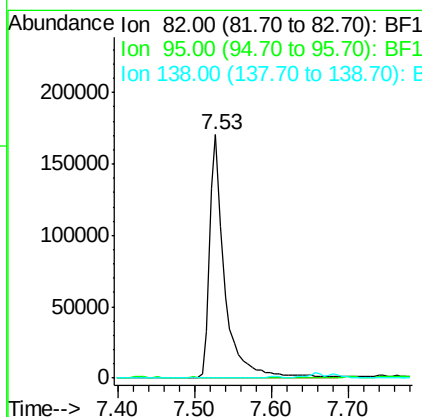
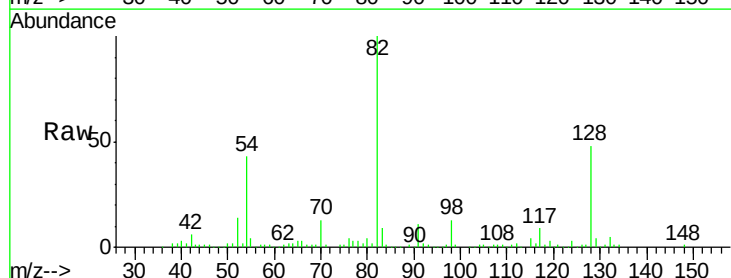
Instrument :
 BNA_F
 ClientSampleId :

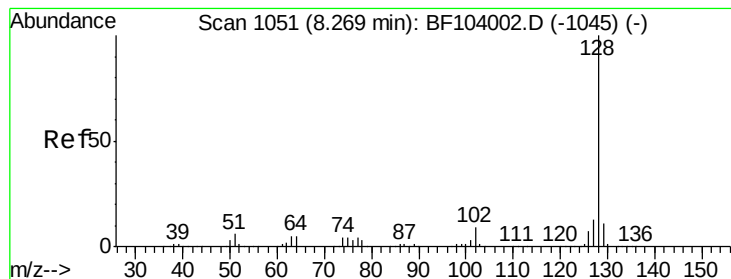
Tot Ion	82	Resp	226675
Ion Ratio	Lower	Upper	
82	100		
128	47.8	36.1	54.1
54	42.7	41.4	62.2



#25
 Isophorone
 Concen: 15.303 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.25 min
 Lab File: BF104013.D
 Acq: 28 Mar 2018 16:45

Tgt Ion	82	Resp	225809
Ion Ratio	Lower	Upper	
82	100		
95	0.4	5.2	7.8#
138	0.0	14.9	22.3#





#31

Naphthalene

Concen: 222.699 ng

RT: 8.29 min Scan# 1054

Delta R.T. 0.02 min

Lab File: BF104013.D

Acq: 28 Mar 2018 16:45

Instrument :

BNA_F

ClientSampleId :

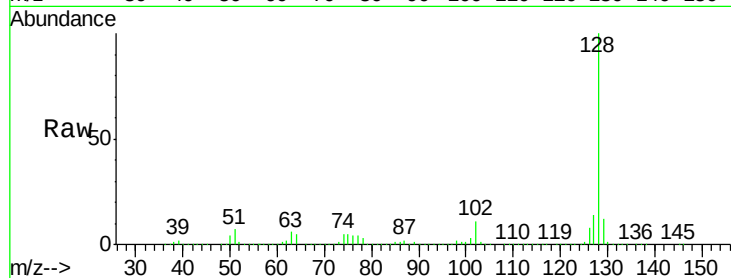
Tot Ion:128 Resp: 5327226

Ion Ratio Lower Upper

128 100

129 11.7 8.8 13.2

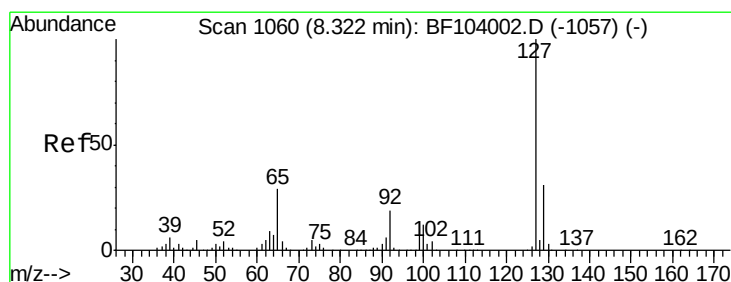
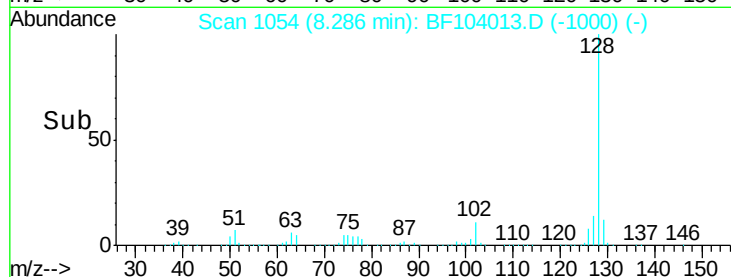
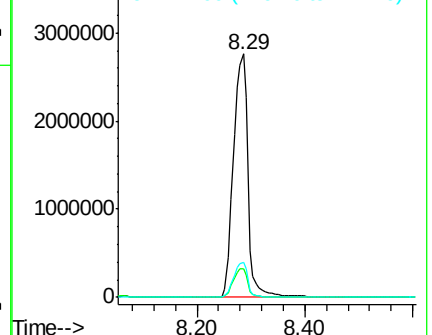
127 14.5 10.9 16.3



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



#33

4-Chloroaniline

Concen: 74.162 ng

RT: 8.29 min Scan# 1054

Delta R.T. -0.04 min

Lab File: BF104013.D

Acq: 28 Mar 2018 16:45

Tgt Ion:127 Resp: 747916

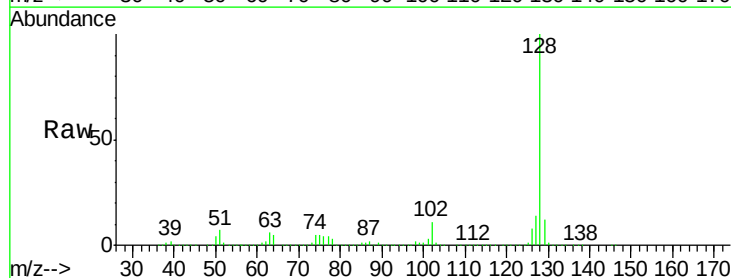
Ion Ratio Lower Upper

127 100

129 81.1 25.9 38.9#

65 0.0 25.0 37.4#

92 0.1 15.2 22.8#

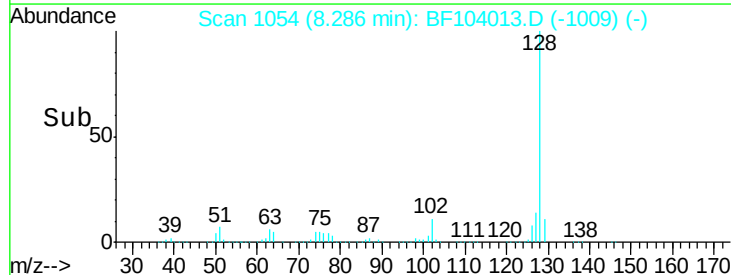
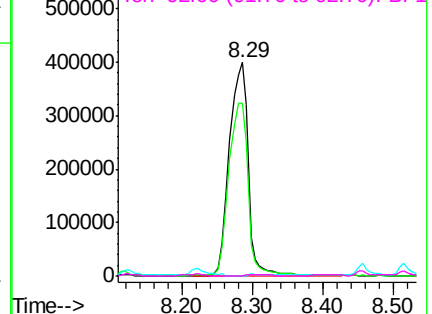


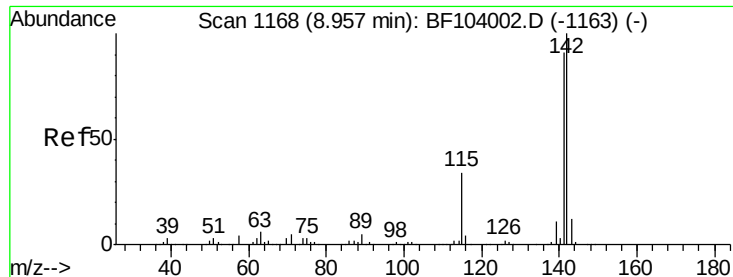
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

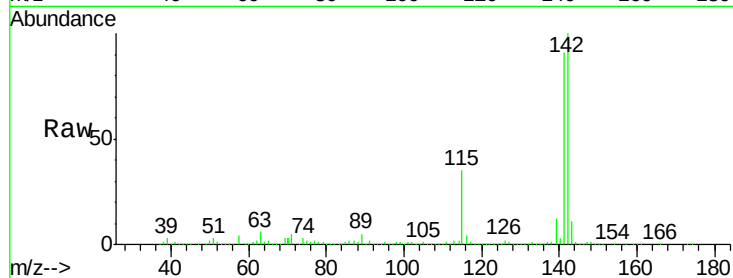




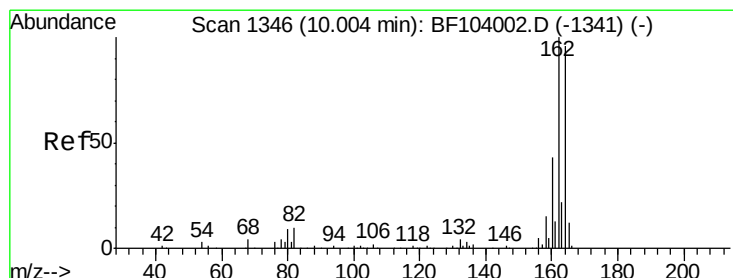
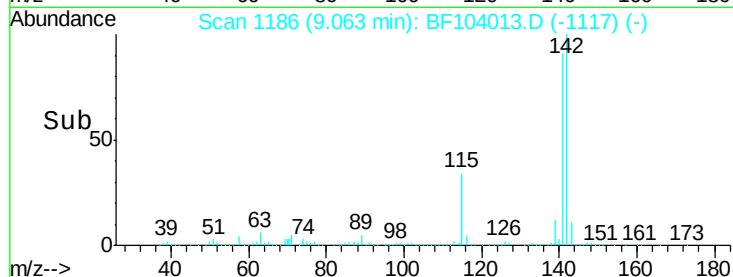
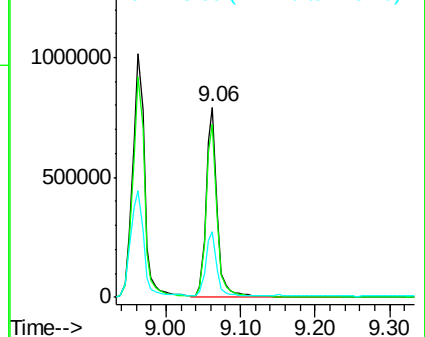
#37
 2-Methylnaphthalene
 Concen: 52.376 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. 0.11 min
 Lab File: BF104013.D
 Acq: 28 Mar 2018 16:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:142 Resp: 825296
 Ion Ratio Lower Upper
 142 100
 141 90.7 70.8 106.2
 115 34.6 26.1 39.1

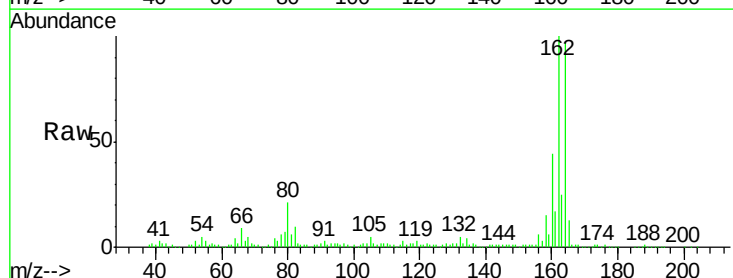


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

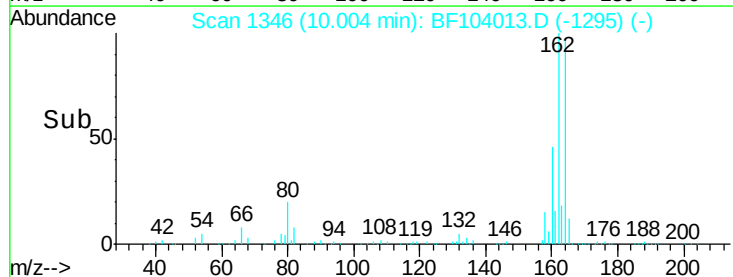
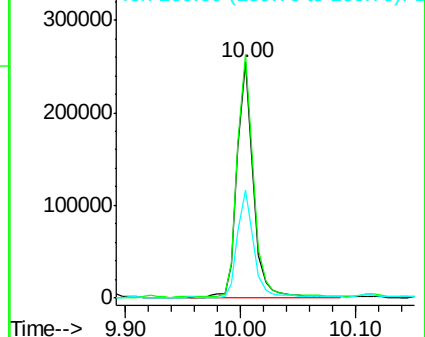


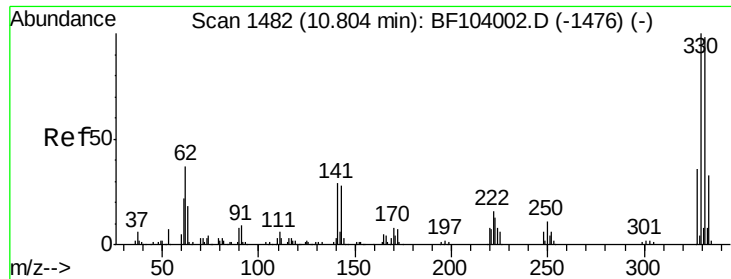
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: BF104013.D
 Acq: 28 Mar 2018 16:45

Tgt Ion:164 Resp: 248151
 Ion Ratio Lower Upper
 164 100
 162 103.3 86.1 129.1
 160 45.9 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

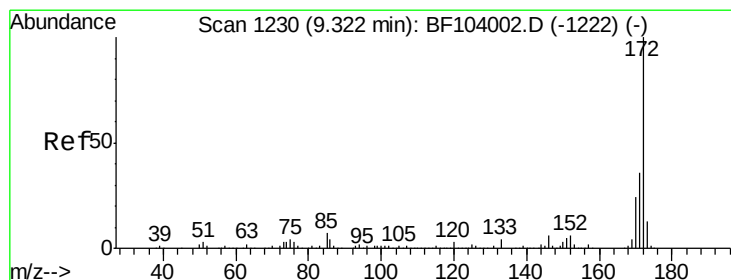
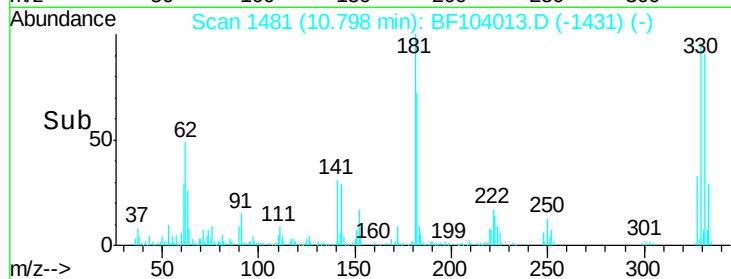
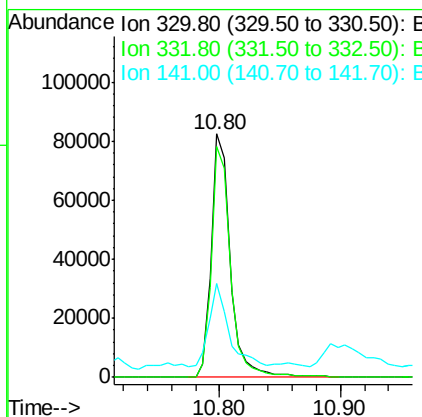
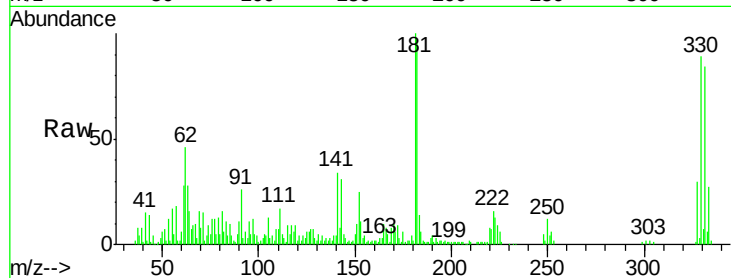




#41
 2,4,6-Tribromophenol
 Concen: 32.392 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF104013.D
 Acq: 28 Mar 2018 16:45

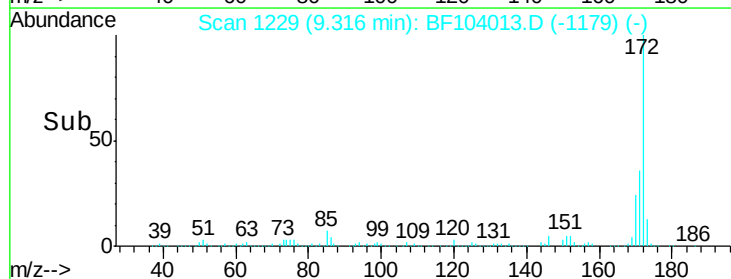
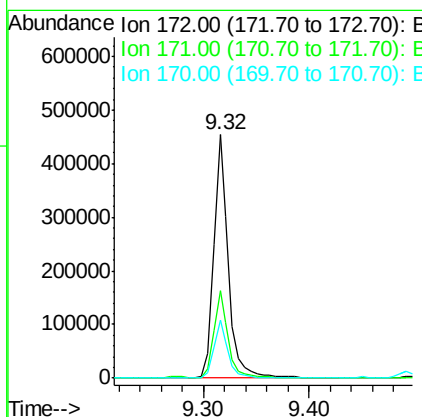
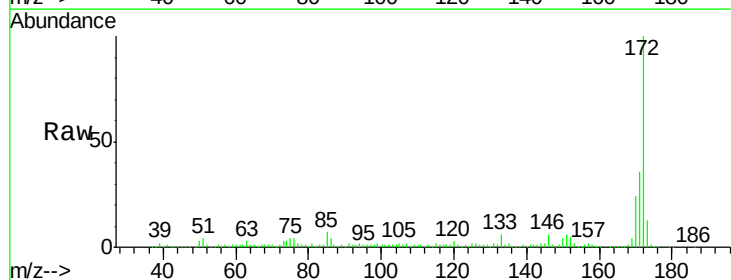
Instrument :
 BNA_F
 ClientSampleId :

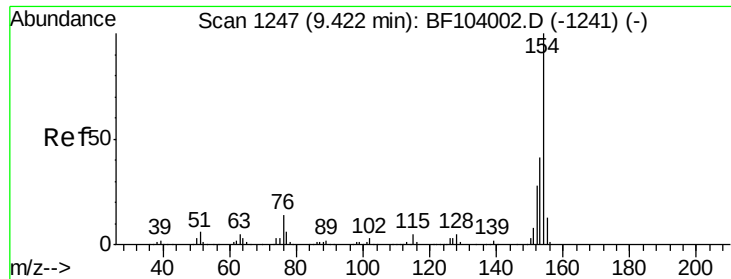
Tot Ion:330 Resp: 89504
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.0 115.6
 141 34.9 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 27.953 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104013.D
 Acq: 28 Mar 2018 16:45

Tgt Ion:172 Resp: 439881
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 23.8 19.6 29.4





#45

1,1'-Biphenyl

Concen: 14.439 ng

RT: 9.42 min Scan# 1247

Delta R.T. -0.00 min

Lab File: BF104013.D

Acq: 28 Mar 2018 16:45

Instrument :

BNA_F

ClientSampleId :

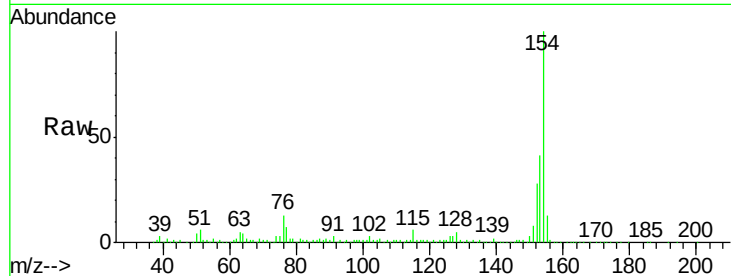
Tot Ion:154 Resp: 307533

Ion Ratio Lower Upper

154 100

153 40.6 21.3 61.3

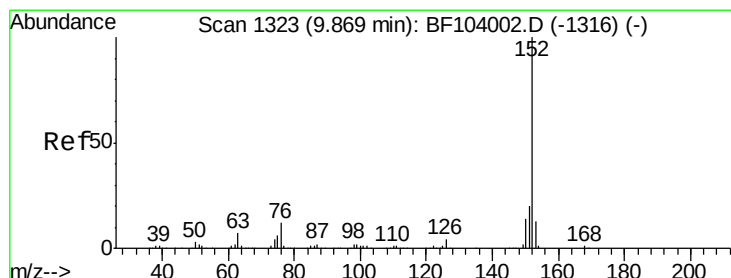
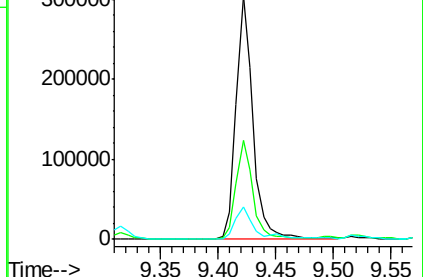
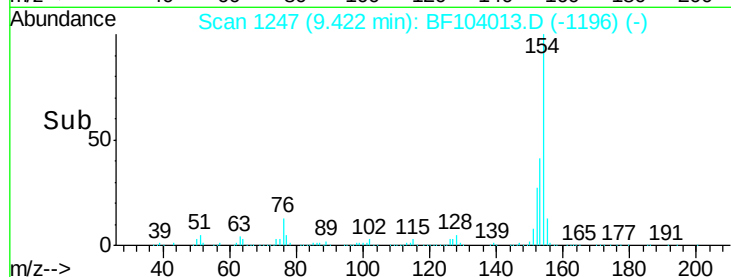
76 13.4 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#48

Acenaphthylene

Concen: 13.203 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.00 min

Lab File: BF104013.D

Acq: 28 Mar 2018 16:45

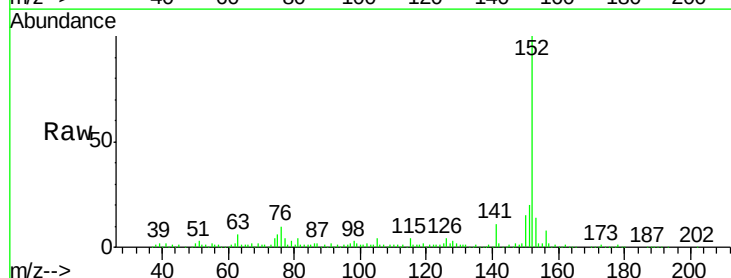
Tgt Ion:152 Resp: 336049

Ion Ratio Lower Upper

152 100

151 20.1 16.3 24.5

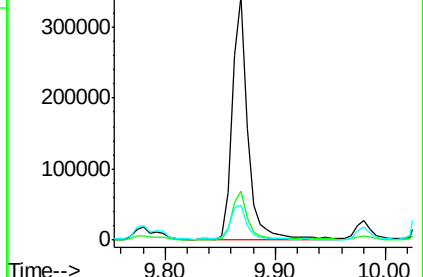
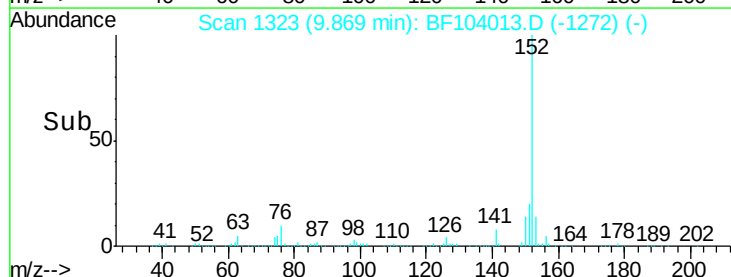
153 14.5 10.7 16.1

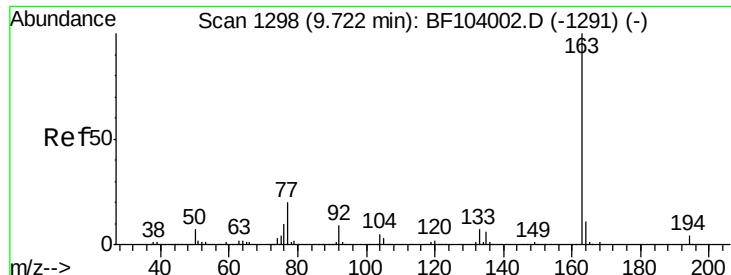


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

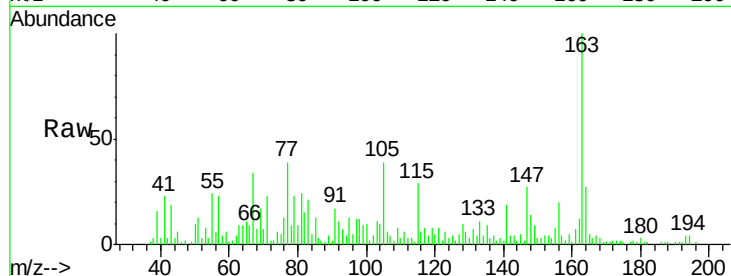




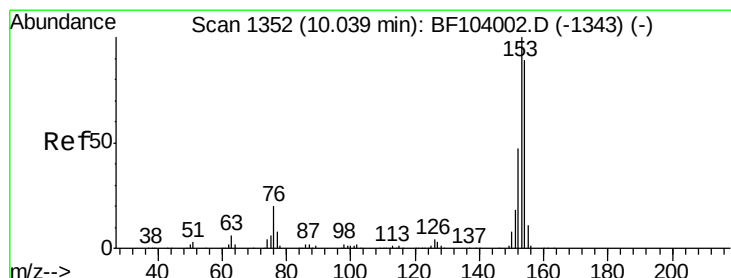
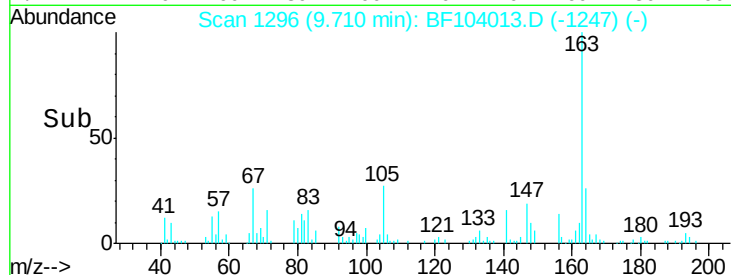
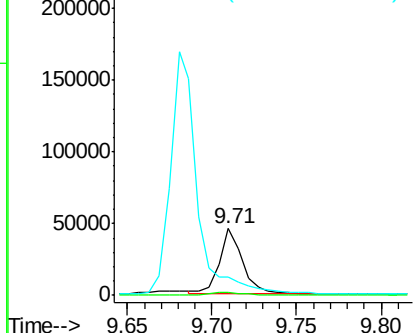
#49
Dimethylphthalate
Concen: 2.234 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF104013.D
Acq: 28 Mar 2018 16:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 43777
Ion Ratio Lower Upper
163 100
194 4.5 2.7 4.1#
164 26.6 8.2 12.2#

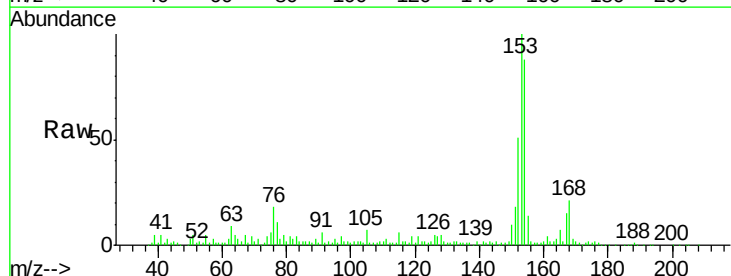


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

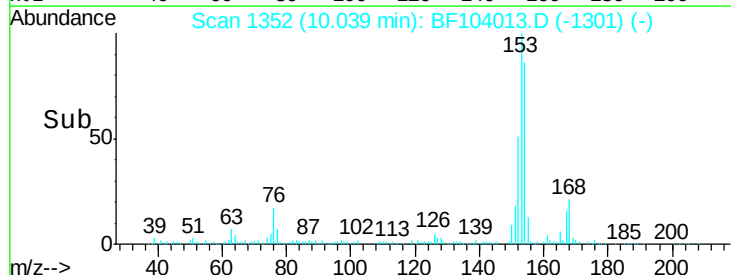
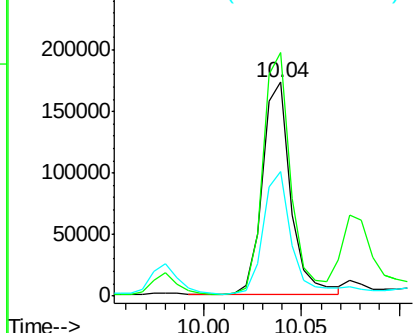


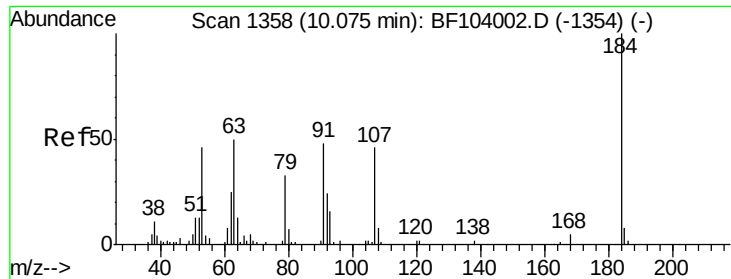
#51
Acenaphthene
Concen: 11.960 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.00 min
Lab File: BF104013.D
Acq: 28 Mar 2018 16:45

Tgt Ion:154 Resp: 176100
Ion Ratio Lower Upper
154 100
153 113.8 91.2 136.8
152 58.4 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





#53

2,4-Dinitrophenol

Concen: 6.944 ng

RT: 10.06 min Scan# 1356

Delta R.T. -0.01 min

Lab File: BF104013.D

Acq: 28 Mar 2018 16:45

Instrument :

BNA_F

ClientSampled :

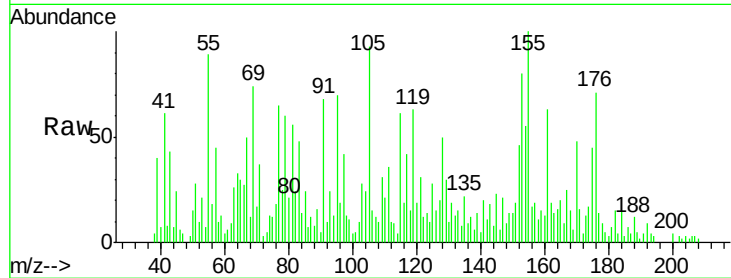
Tot Ion:184 Resp: 2713

Ion Ratio Lower Upper

184 100

63 176.3 54.2 81.2#

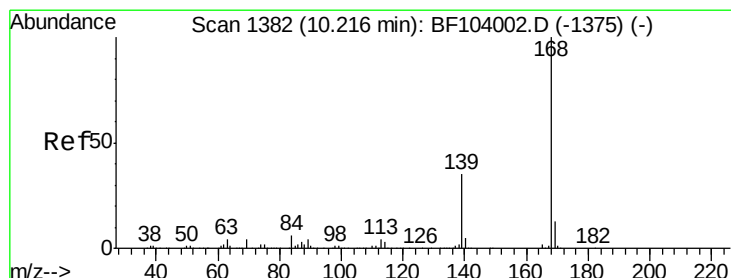
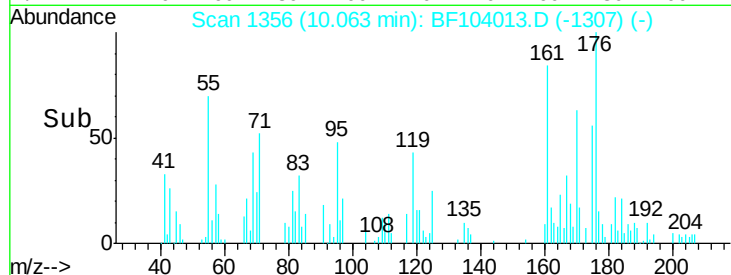
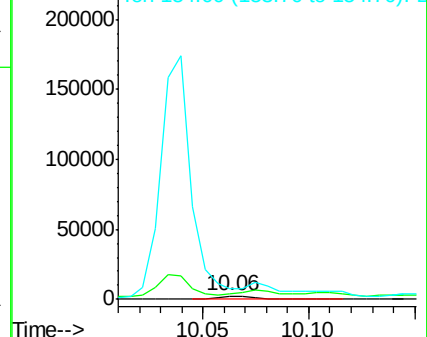
154 371.9 184.0 276.0#



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



#54

Dibenzofuran

Concen: 31.080 ng

RT: 10.21 min Scan# 1381

Delta R.T. -0.01 min

Lab File: BF104013.D

Acq: 28 Mar 2018 16:45

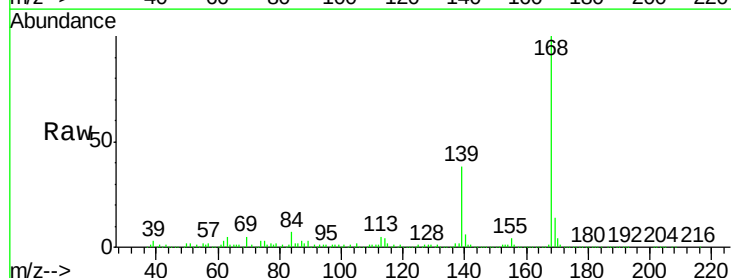
Tgt Ion:168 Resp: 668241

Ion Ratio Lower Upper

168 100

139 38.3 30.1 45.1

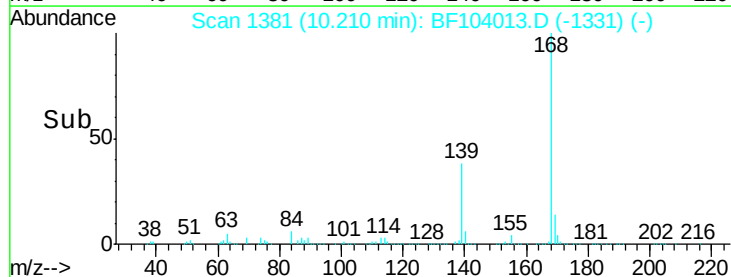
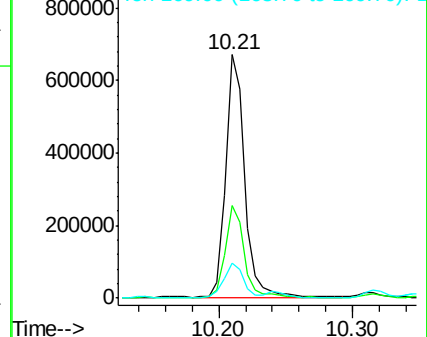
169 14.2 10.9 16.3

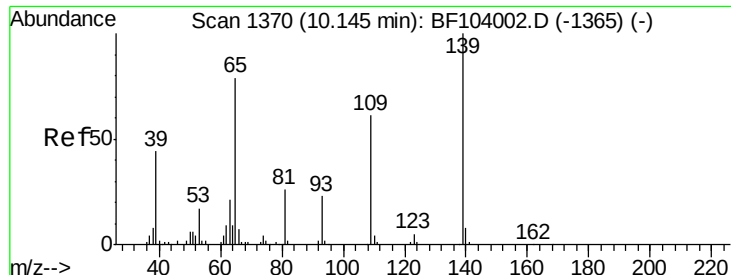


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 88.543 ng

RT: 10.21 min Scan# 1381

Delta R.T. 0.06 min

Lab File: BF104013.D

Acq: 28 Mar 2018 16:45

Instrument :

BNA_F

ClientSampleId :

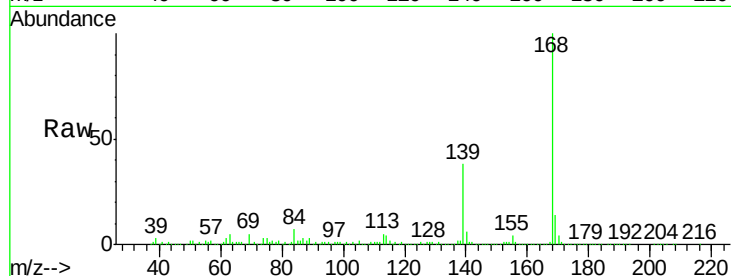
Tot Ion:139 Resp: 257246

Ion Ratio Lower Upper

139 100

109 2.4 48.4 88.4#

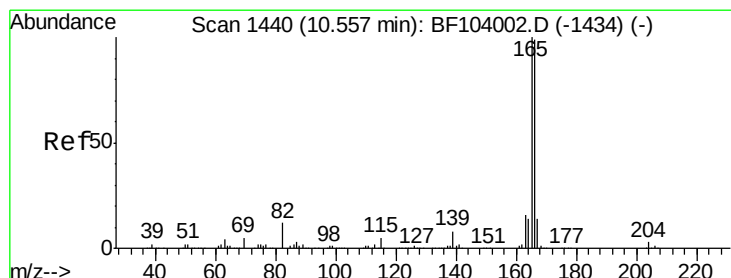
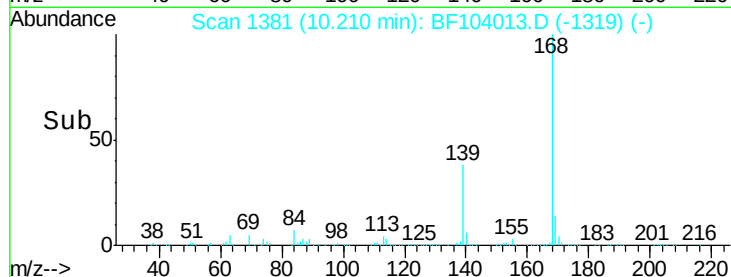
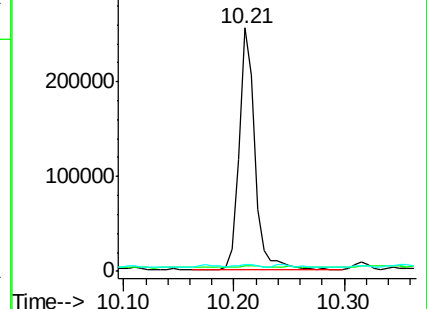
65 3.0 72.6 112.6#



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



#57

Fluorene

Concen: 49.235 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.00 min

Lab File: BF104013.D

Acq: 28 Mar 2018 16:45

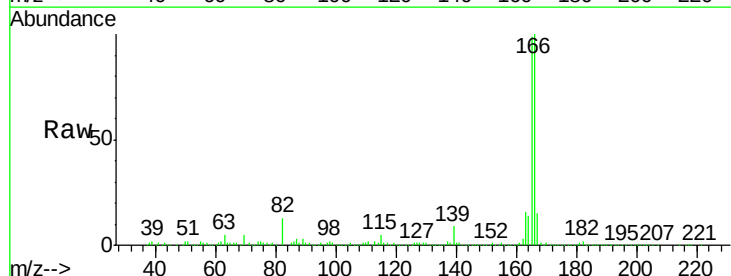
Tgt Ion:166 Resp: 873222

Ion Ratio Lower Upper

166 100

165 99.2 79.8 119.8

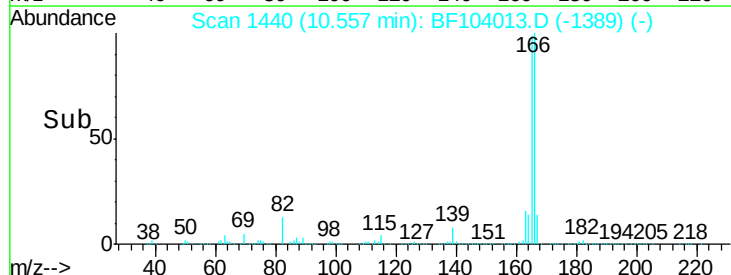
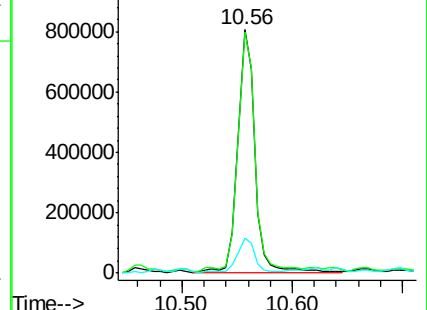
167 14.6 10.6 16.0

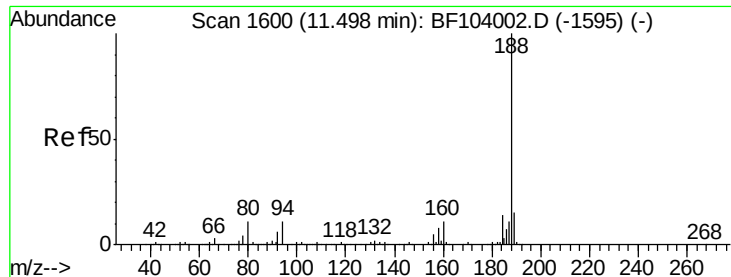


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

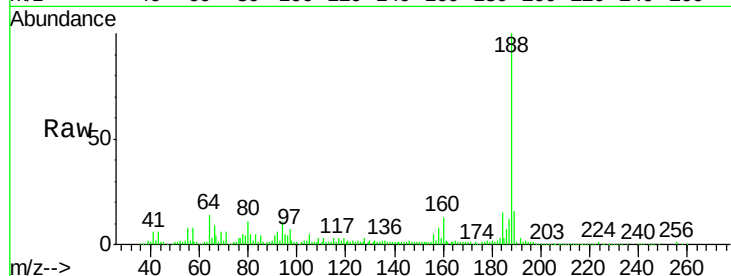




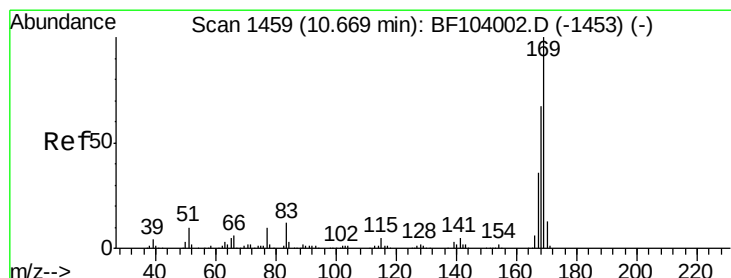
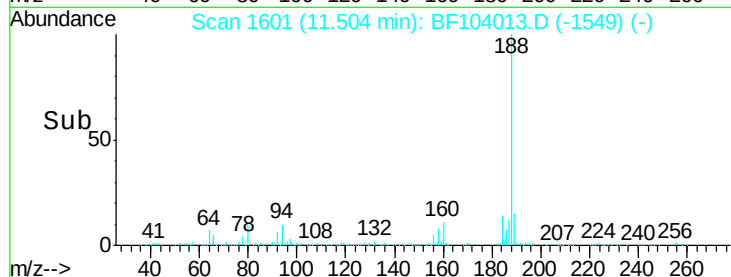
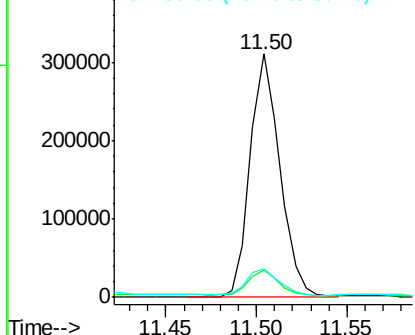
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BF104013.D
Acq: 28 Mar 2018 16:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 354380
Ion Ratio Lower Upper
188 100
94 11.4 8.5 12.7
80 11.5 9.2 13.8

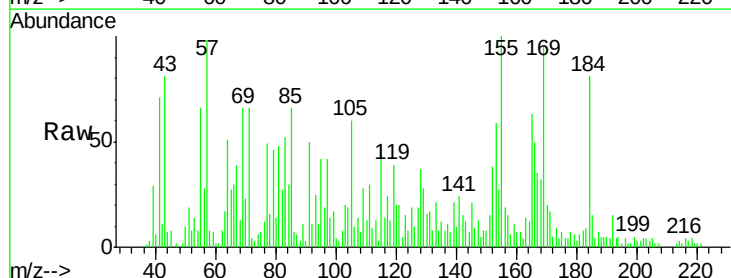


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

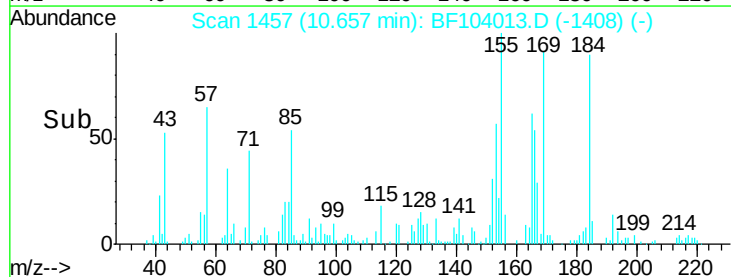
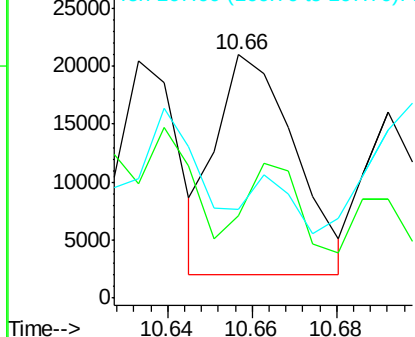


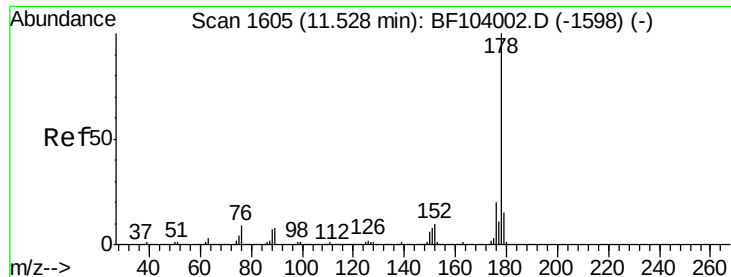
#65
n-Nitrosodiphenylamine
Concen: 2.047 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.01 min
Lab File: BF104013.D
Acq: 28 Mar 2018 16:45

Tgt Ion:169 Resp: 24570
Ion Ratio Lower Upper
169 100
168 33.9 54.4 81.6#
167 36.7 29.8 44.6



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

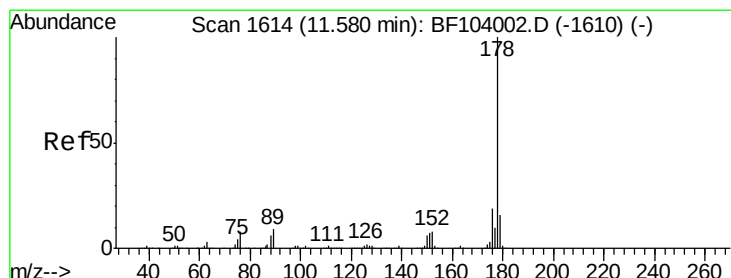
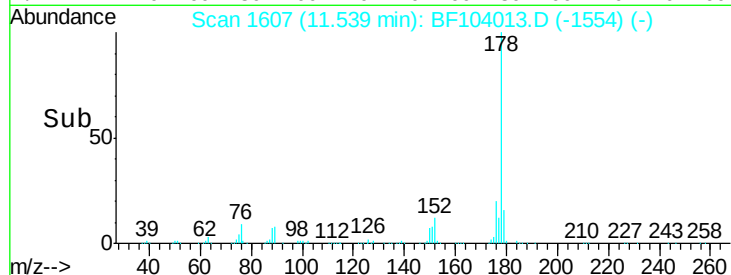
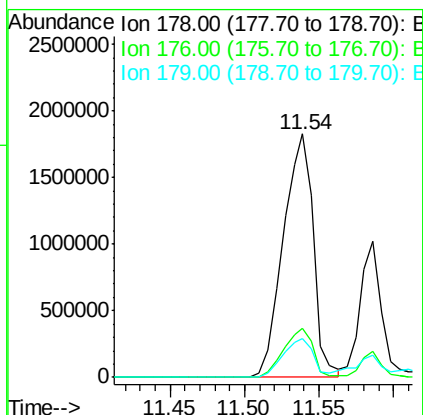
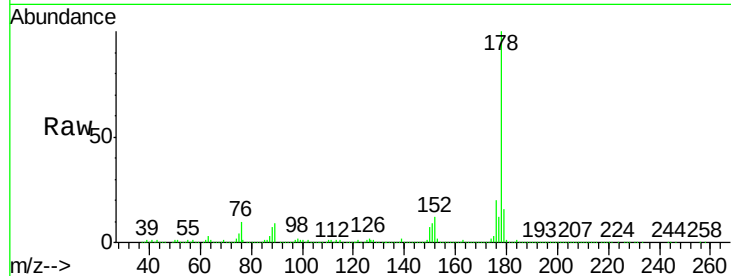




#70
Phenanthrene
Concen: 134.161 ng
RT: 11.54 min Scan# 1607
Delta R.T. 0.01 min
Lab File: BF104013.D
Acq: 28 Mar 2018 16:45

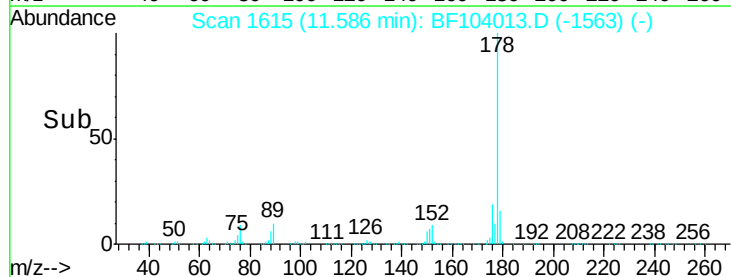
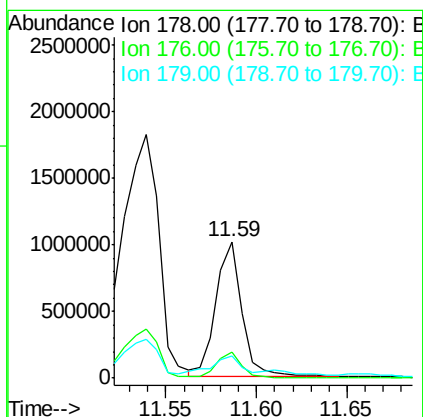
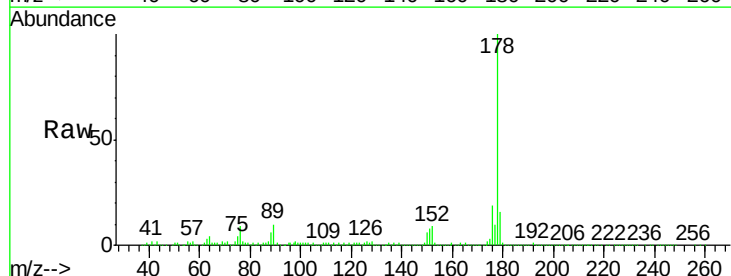
Instrument :
BNA_F
ClientSampleId :

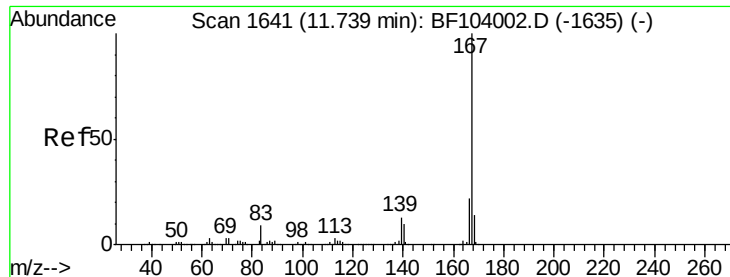
Tot Ion:178 Resp: 2574078
Ion Ratio Lower Upper
178 100
176 20.1 15.8 23.8
179 16.0 13.0 19.6



#71
Anthracene
Concen: 50.669 ng
RT: 11.59 min Scan# 1615
Delta R.T. 0.01 min
Lab File: BF104013.D
Acq: 28 Mar 2018 16:45

Tgt Ion:178 Resp: 1015458
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 16.2 12.6 19.0





#72

Carbazole

Concen: 14.321 ng

RT: 11.74 min Scan# 1641

Delta R.T. -0.00 min

Lab File: BF104013.D

Acq: 28 Mar 2018 16:45

Instrument :

BNA_F

ClientSampleId :

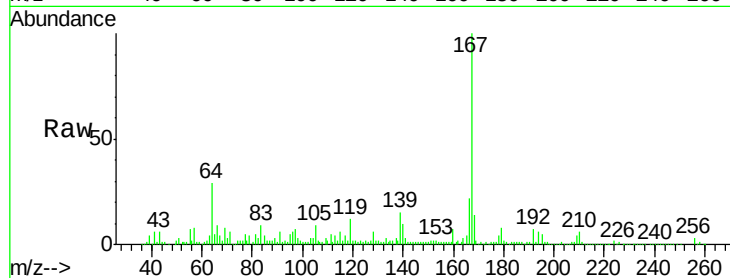
Tot Ion:167 Resp: 273926

Ion Ratio Lower Upper

167 100

166 21.8 17.6 26.4

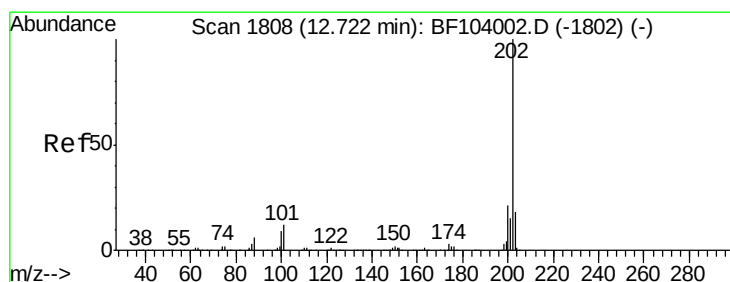
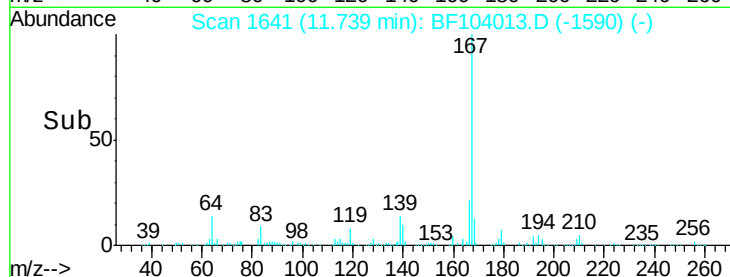
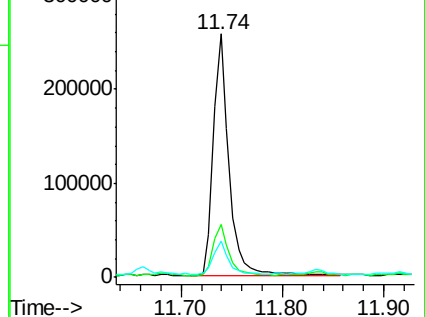
139 15.0 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 98.557 ng

RT: 12.74 min Scan# 1812

Delta R.T. 0.02 min

Lab File: BF104013.D

Acq: 28 Mar 2018 16:45

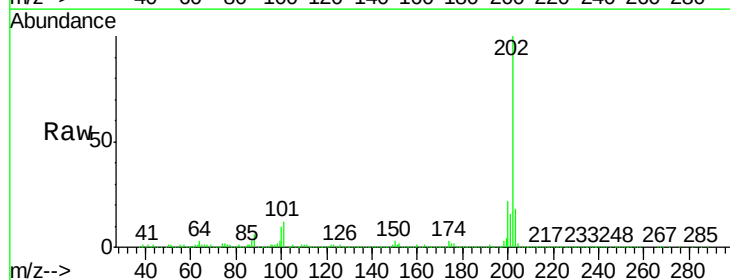
Tgt Ion:202 Resp: 2010000

Ion Ratio Lower Upper

202 100

101 12.4 0.0 34.1

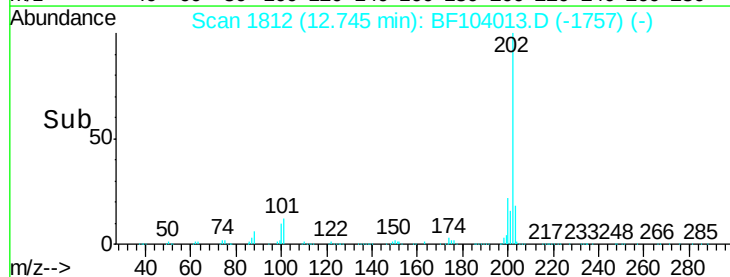
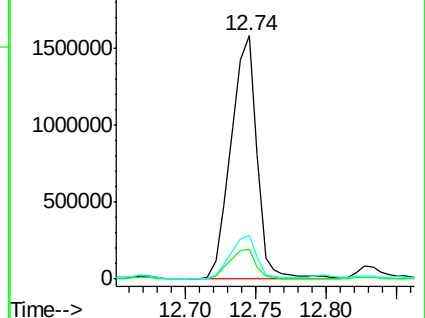
203 18.3 0.0 38.1

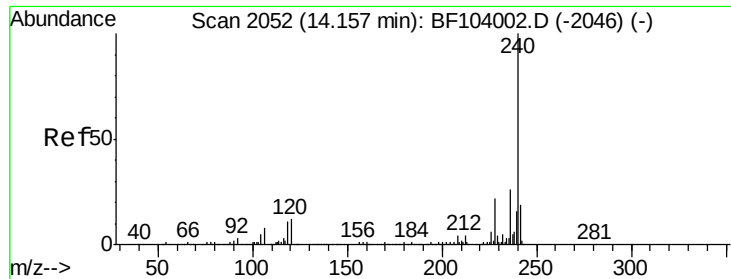


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF104013.D

Acq: 28 Mar 2018 16:45

Instrument :

BNA_F

ClientSampleId :

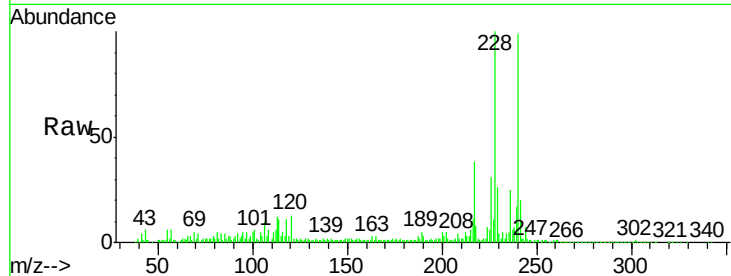
Tot Ion:240 Resp: 224694

Ion Ratio Lower Upper

240 100

120 12.7 9.5 14.3

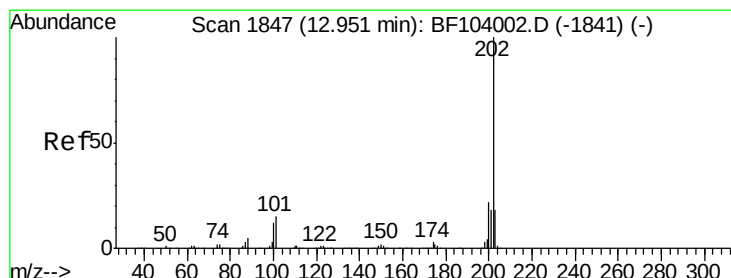
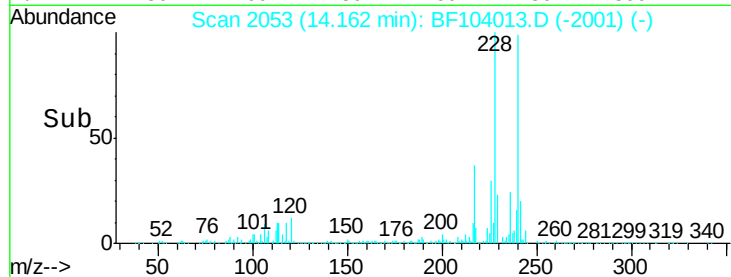
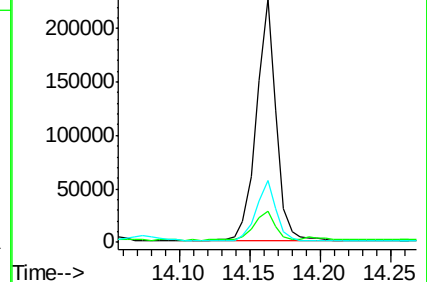
236 25.6 20.7 31.1



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: 115.281 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.02 min

Lab File: BF104013.D

Acq: 28 Mar 2018 16:45

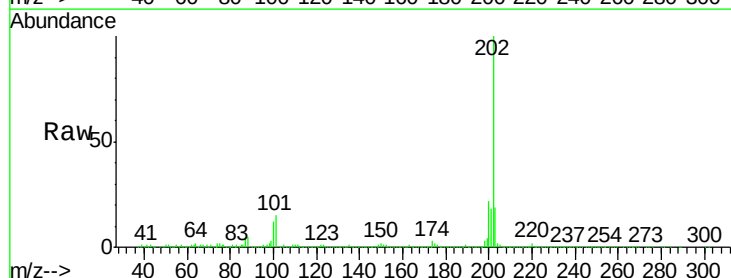
Tgt Ion:202 Resp: 1862046

Ion Ratio Lower Upper

202 100

200 22.0 17.4 26.2

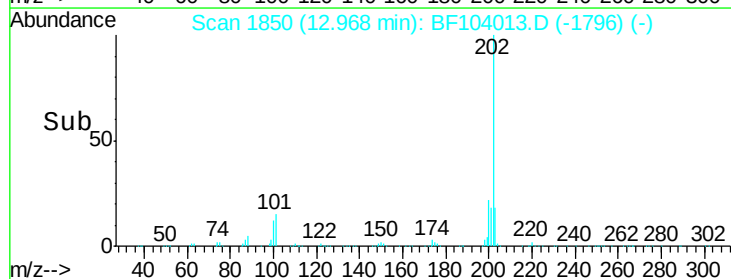
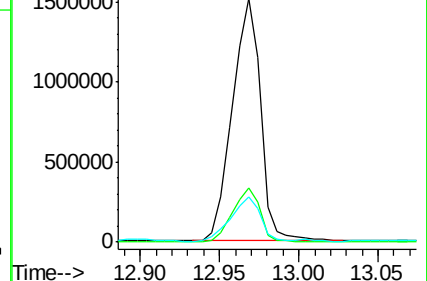
203 18.6 14.3 21.5

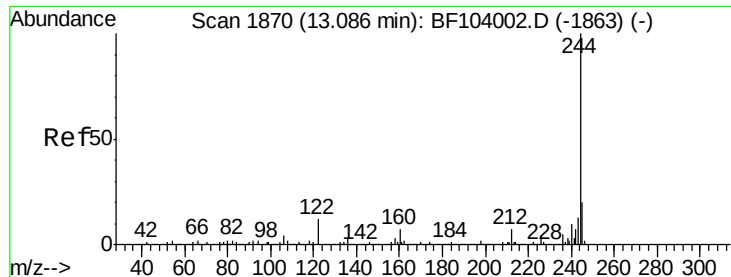


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 30.274 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.00 min

Lab File: BF104013.D

Acq: 28 Mar 2018 16:45

Instrument :

BNA_F

ClientSampleId :

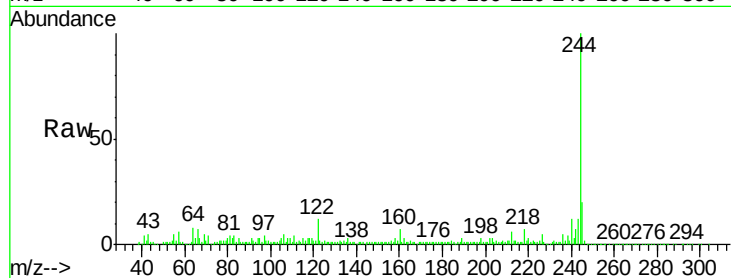
Tot Ion:244 Resp: 294606

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

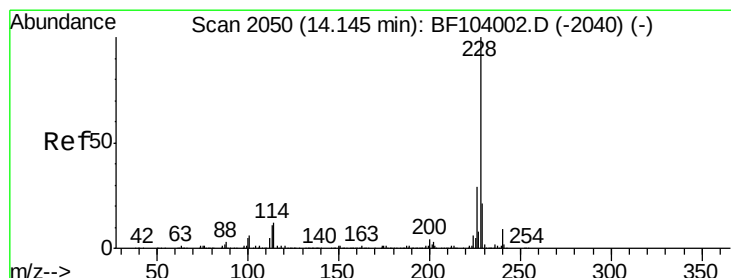
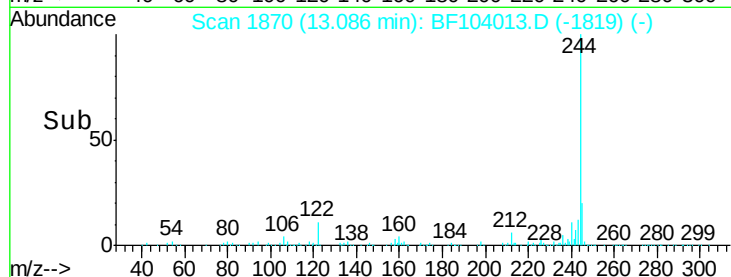
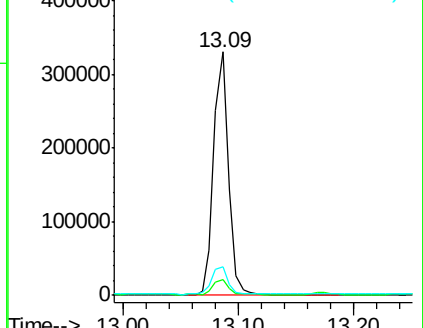
122 11.5 11.0 16.4



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: 72.611 ng

RT: 14.15 min Scan# 2051

Delta R.T. 0.01 min

Lab File: BF104013.D

Acq: 28 Mar 2018 16:45

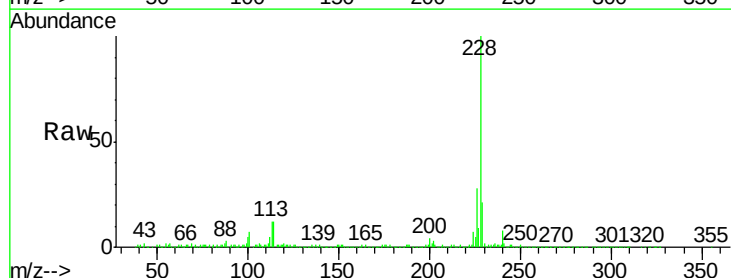
Tgt Ion:228 Resp: 1020866

Ion Ratio Lower Upper

228 100

226 27.7 22.6 33.8

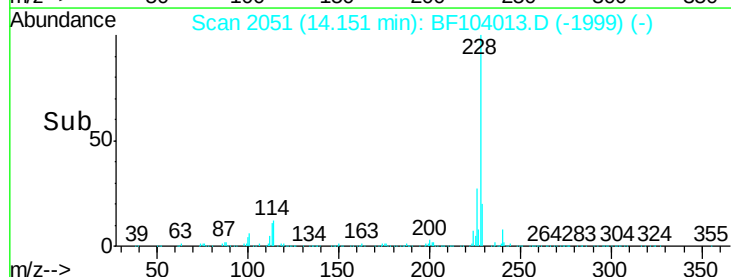
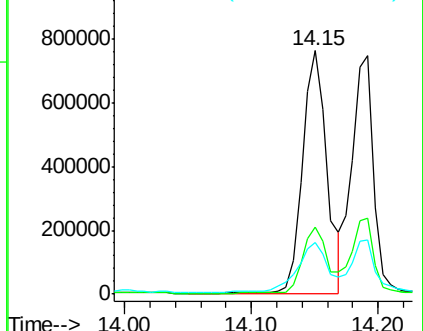
229 21.4 15.8 23.6

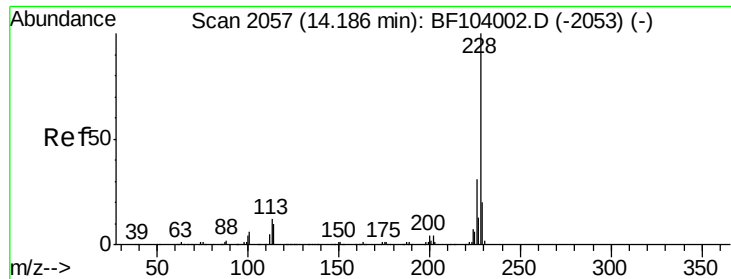


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 63.684 ng

RT: 14.19 min Scan# 2058

Delta R.T. 0.01 min

Lab File: BF104013.D

Acq: 28 Mar 2018 16:45

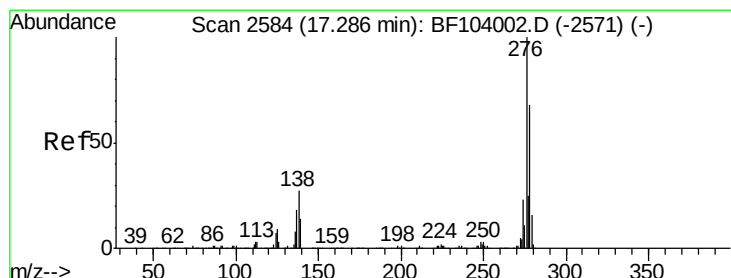
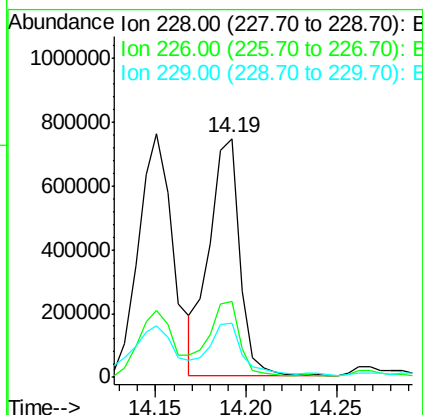
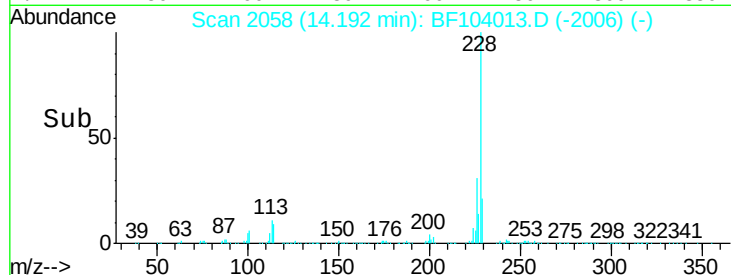
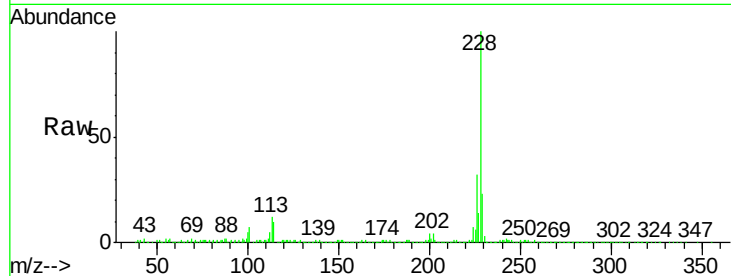
Instrument :

BNA_F

ClientSampled :

Tot Ion:228 Resp: 876968

Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.0	37.6
229	22.8	16.2	24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.350 ng

RT: 17.12 min Scan# 2555

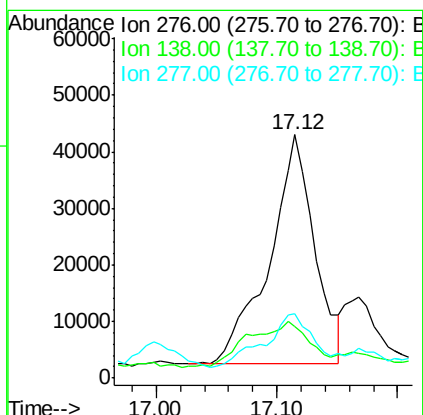
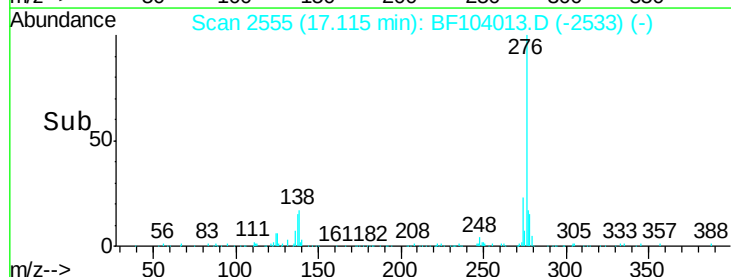
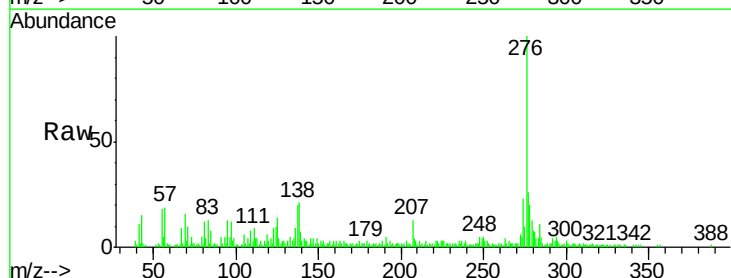
Delta R.T. -0.17 min

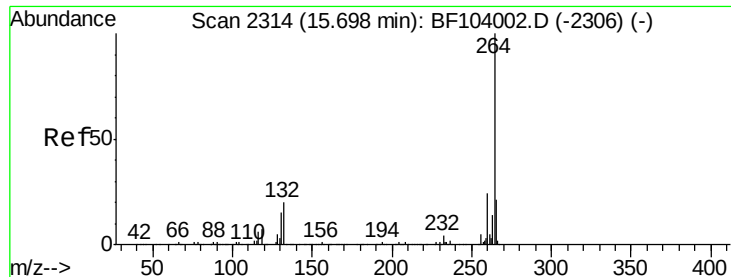
Lab File: BF104013.D

Acq: 28 Mar 2018 16:45

Tgt Ion:276 Resp: 104884

Ion	Ratio	Lower	Upper
276	100		
138	27.3	25.0	37.6
277	26.6	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.70 min Scan# 2315

Delta R.T. 0.01 min

Lab File: BF104013.D

Acq: 28 Mar 2018 16:45

Instrument :

BNA_F

ClientSampleId :

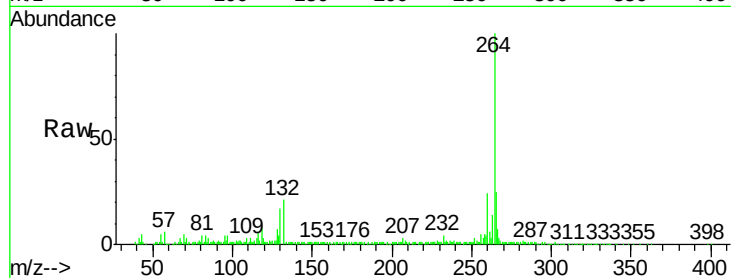
Tot Ion:264 Resp: 283565

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

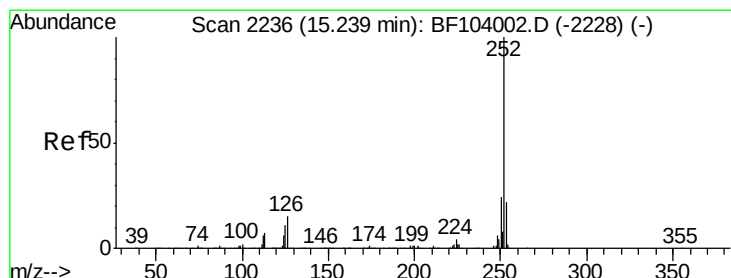
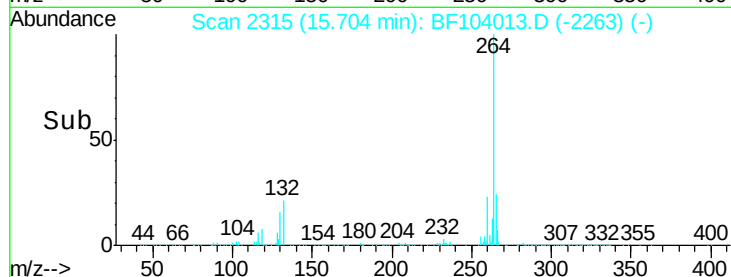
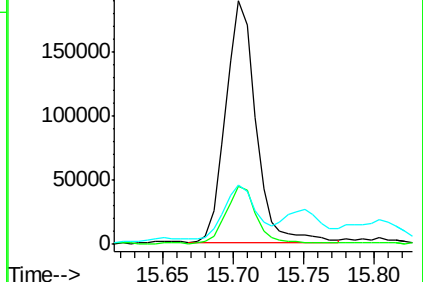
265 24.5 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 84.663 ng

RT: 15.25 min Scan# 2238

Delta R.T. 0.01 min

Lab File: BF104013.D

Acq: 28 Mar 2018 16:45

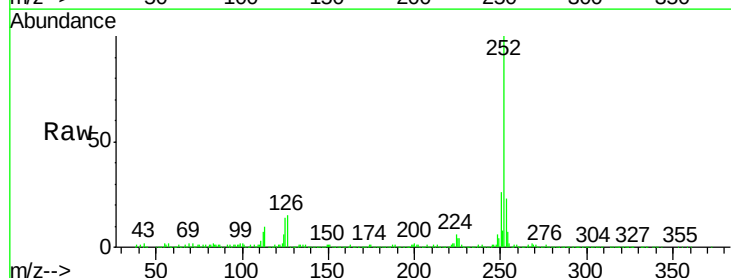
Tgt Ion:252 Resp: 1461073

Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.6

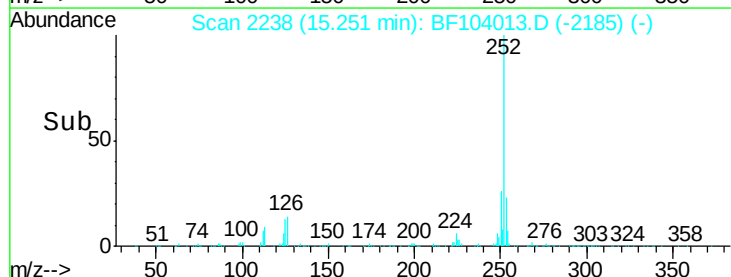
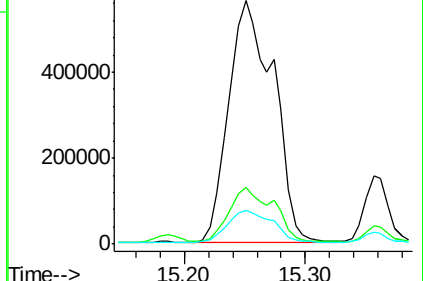
125 13.7 9.0 13.6#

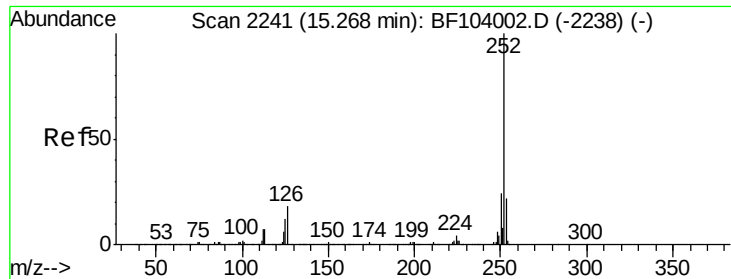


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 89.875 ng

RT: 15.25 min Scan# 2238

Delta R.T. -0.02 min

Lab File: BF104013.D

Acq: 28 Mar 2018 16:45

Instrument :

BNA_F

ClientSampleId :

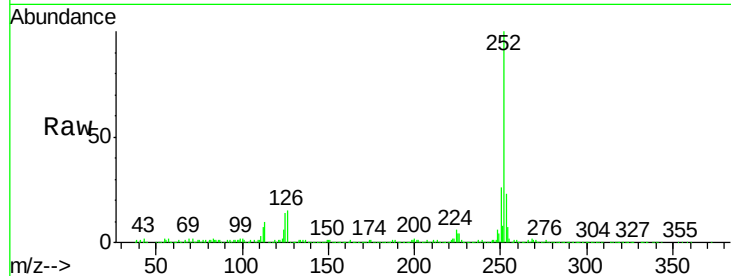
Tot Ion:252 Resp: 1461073

Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

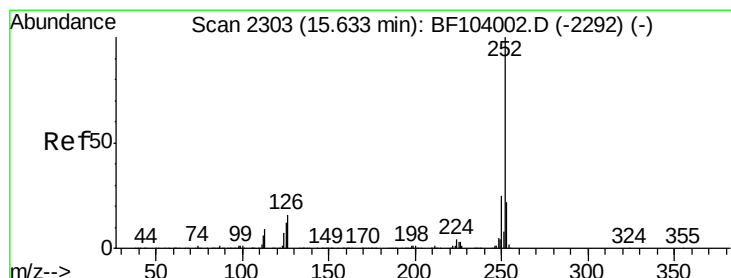
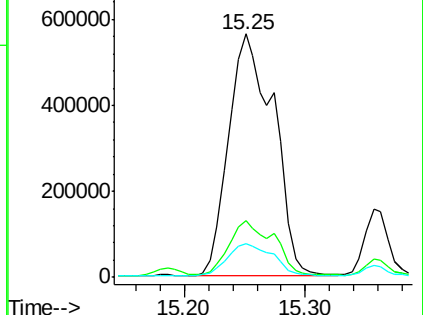
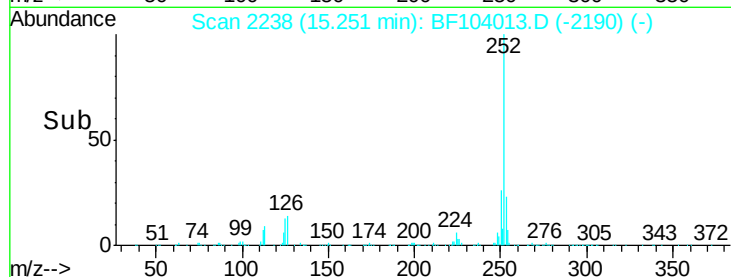
125 13.7 10.2 15.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 52.395 ng

RT: 15.64 min Scan# 2305

Delta R.T. 0.01 min

Lab File: BF104013.D

Acq: 28 Mar 2018 16:45

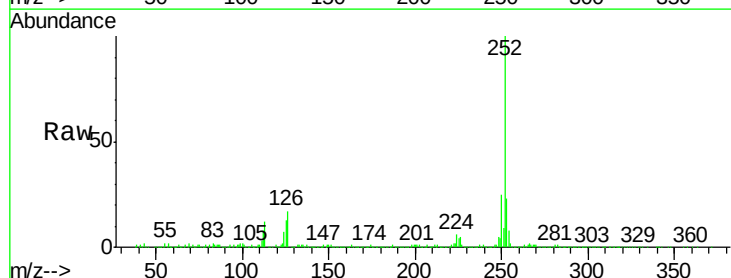
Tgt Ion:252 Resp: 837925

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

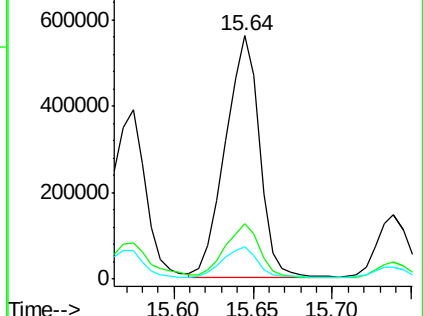
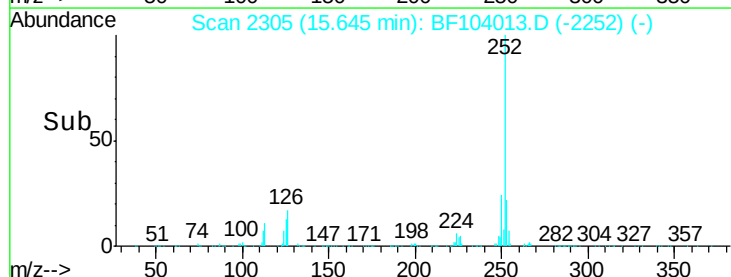
125 13.5 9.8 14.6

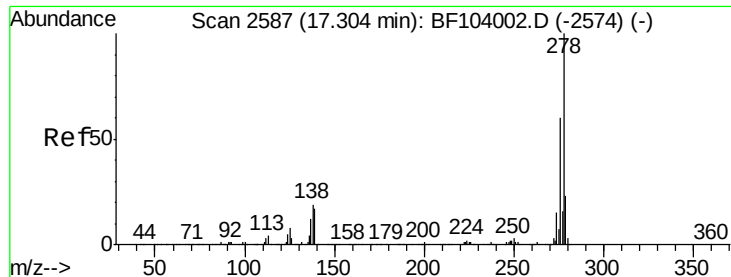


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 10.329 ng

RT: 17.30 min Scan# 2587

Delta R.T. -0.00 min

Lab File: BF104013.D

Acq: 28 Mar 2018 16:45

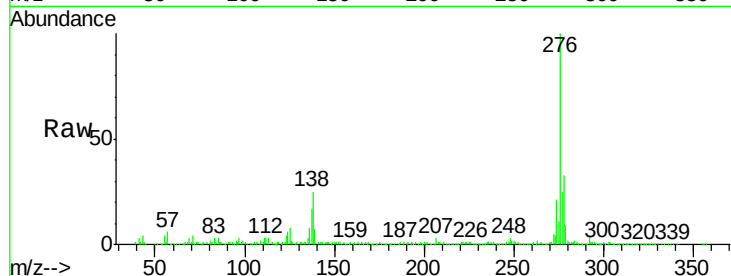
Instrument :

BNA_F

ClientSampleId :

Tot Ion:278 Resp: 152725

Ion	Ratio	Lower	Upper
278	100		
139	20.5	15.9	23.9
279	28.0	19.0	28.4

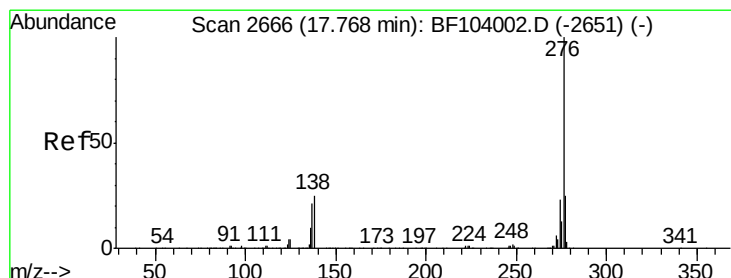
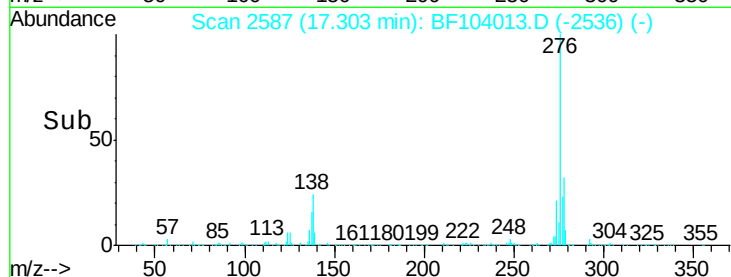
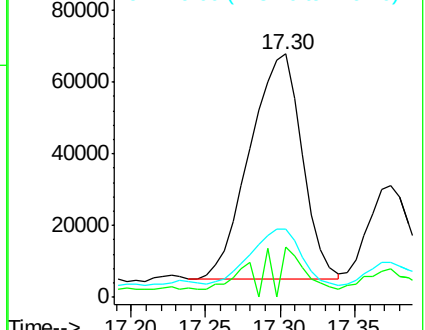


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 32.863 ng

RT: 17.79 min Scan# 2669

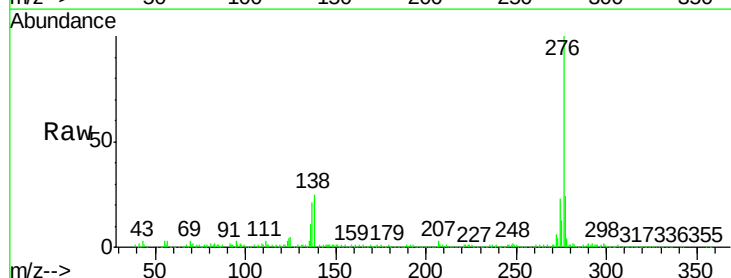
Delta R.T. 0.02 min

Lab File: BF104013.D

Acq: 28 Mar 2018 16:45

Tgt Ion:276 Resp: 486694

Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	24.6	21.8	32.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

