

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040418\
 Data File : BF104252.D
 Acq On : 5 Apr 2018 4:07
 Operator : JU/SJ
 Sample : J2201-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 05 05:17:03 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 04 18:06:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	120558	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	536955	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	240411	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	393807	20.00	ng	0.00
75) Chrysene-d12	14.14	240	242870	20.00	ng	0.00
86) Perylene-d12	15.68	264	226678	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	1018949	134.79	ng	0.00
7) Phenol-d6	6.59	99	1310517	140.91	ng	-0.01
23) Nitrobenzene-d5	7.52	82	850957	96.92	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	334636	125.00	ng	0.00
44) 2-Fluorobiphenyl	9.30	172	1567162	102.79	ng	0.00
78) Terphenyl-d14	13.07	244	1237619	117.66	ng	0.00

Target Compounds

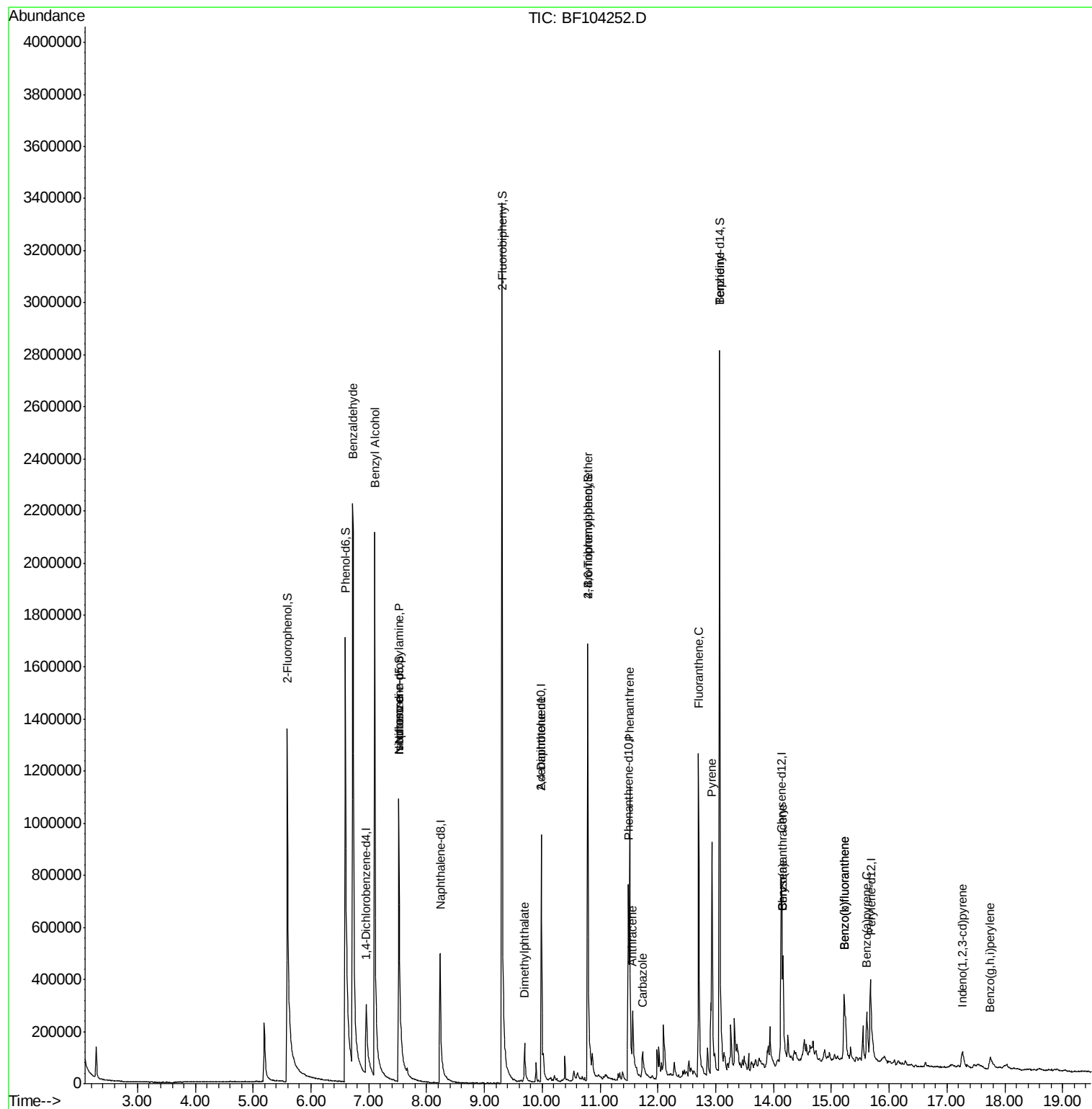
						Qvalue
9) Benzaldehyde	6.72	77	20721	2.887	ng	82
15) Benzyl Alcohol	7.10	79	12505	2.068	ng	# 31
19) n-Nitroso-di-n-propylamine	7.52	70	96258	17.439	ng	# 74
25) Isophorone	7.52	82	855212	52.853	ng	# 64
49) Dimethylphthalate	9.69	163	105729	5.570	ng	99
56) 2,4-Dinitrotoluene	9.99	165	30300	5.815	ng	# 24
66) 4-Bromophenyl-phenylether	10.79	248	18972	4.503	ng	# 1
70) Phenanthrene	11.51	178	533936	25.043	ng	98
71) Anthracene	11.56	178	204041	9.162	ng	97
72) Carbazole	11.73	167	116187	5.466	ng	99
74) Fluoranthene	12.70	202	662288	29.223	ng	99
76) Benzidine	13.07	184	14820	2.141	ng	94
77) Pvrene	12.93	202	485953	27.834	ng	98
80) Benzo(a)anthracene	14.17	228	188891	12.430	ng	96
82) Chrysene	14.17	228	189205	12.712	ng	97
85) Indeno(1,2,3-cd)pyrene	17.27	276	65083	4.220	ng	# 91
87) Benzo(b)fluoranthene	15.22	252	261297	18.941	ng	95
88) Benzo(k)fluoranthene	15.22	252	261297	20.107	ng	98
89) Benzo(a)pvrene	15.62	252	141054	11.034	ng	95
91) Benzo(a,h,i)perylene	17.75	276	59449	5.022	ng	97

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

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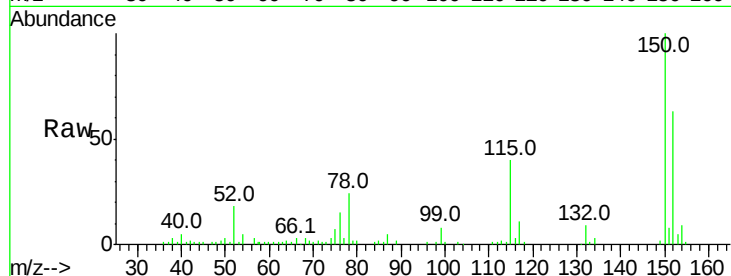


#1

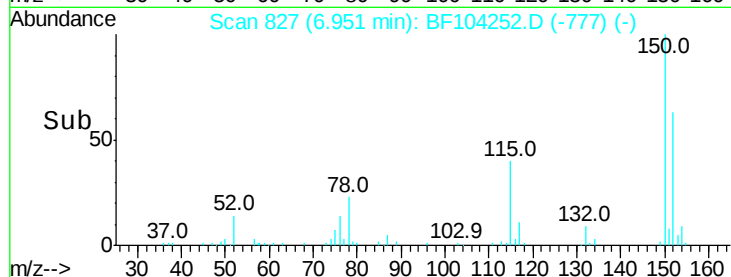
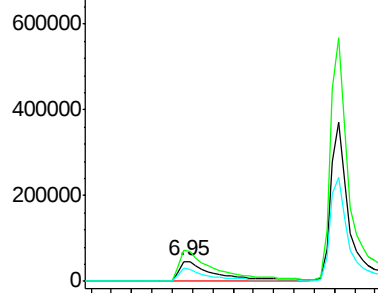
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF104252.D
Acq: 5 Apr 2018 4:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 120558
Ion Ratio Lower Upper
152 100
150 158.9 124.6 186.8
115 64.3 50.1 75.1



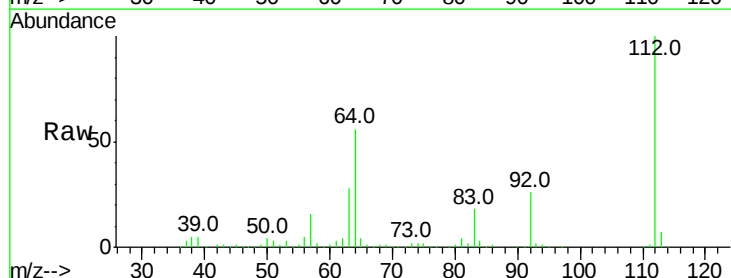
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



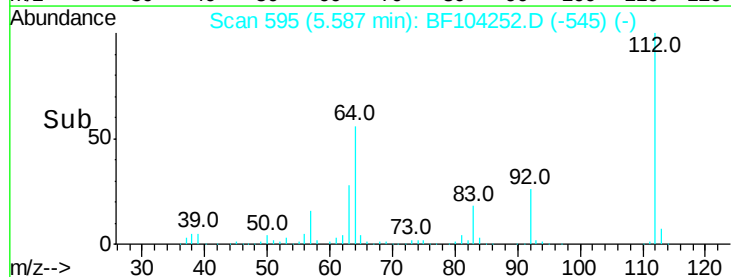
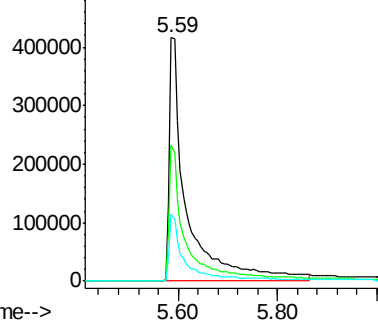
#5

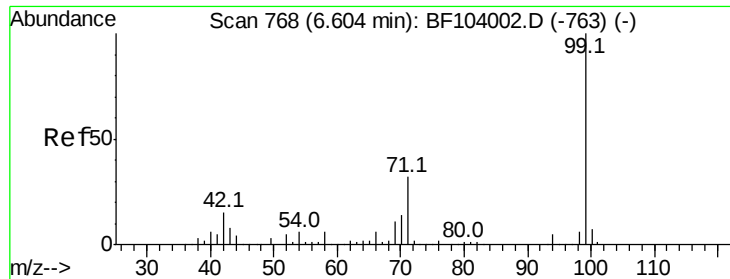
2-Fluorophenol
Concen: 134.787 ng
RT: 5.59 min Scan# 595
Delta R.T. -0.01 min
Lab File: BF104252.D
Acq: 5 Apr 2018 4:07

Tgt Ion:112 Resp: 1018949
Ion Ratio Lower Upper
112 100
64 55.7 47.9 71.9
63 27.7 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: 140.905 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF104252.D

Acq: 5 Apr 2018 4:07

Instrument :

BNA_F

ClientSampleId :

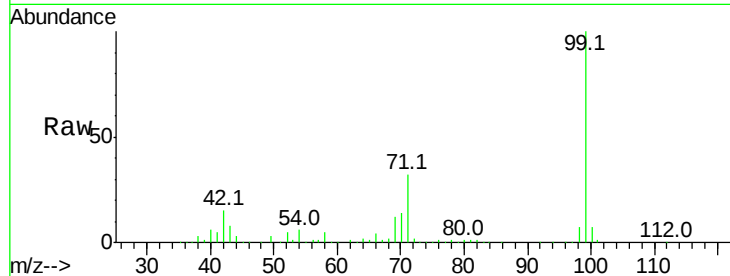
Tot Ion: 99 Resp: 1310517

Ion	Ratio	Lower	Upper
99	100		
42	14.6	14.5	21.7
71	31.9	25.4	38.0

99 100

42 14.6 14.5 21.7

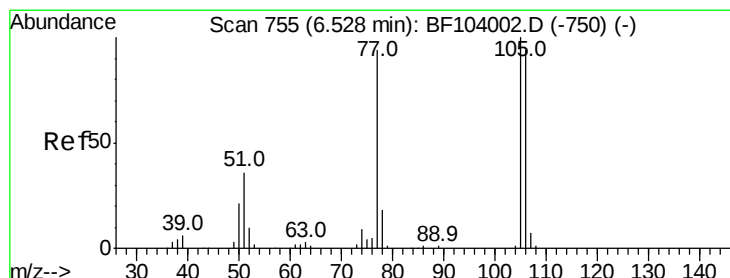
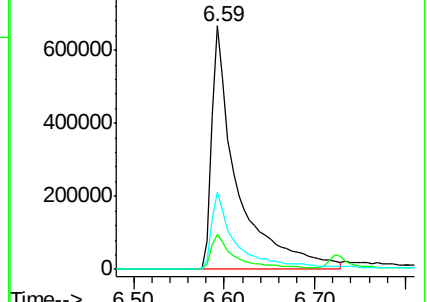
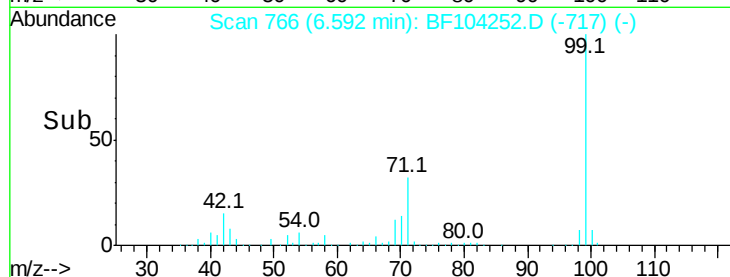
71 31.9 25.4 38.0



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: 2.887 ng

RT: 6.72 min Scan# 788

Delta R.T. 0.21 min

Lab File: BF104252.D

Acq: 5 Apr 2018 4:07

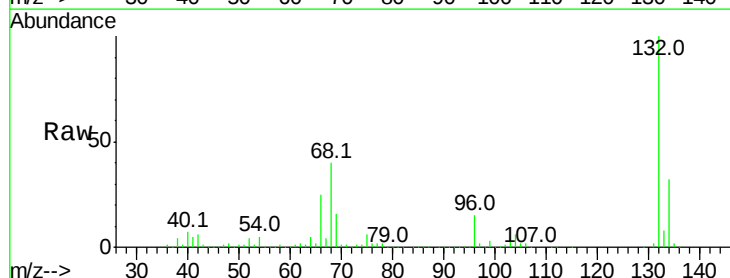
Tgt Ion: 77 Resp: 20721

Ion	Ratio	Lower	Upper
77	100		
105	81.1	81.1	121.1
106	78.4	74.5	114.5

77 100

105 81.1 81.1 121.1

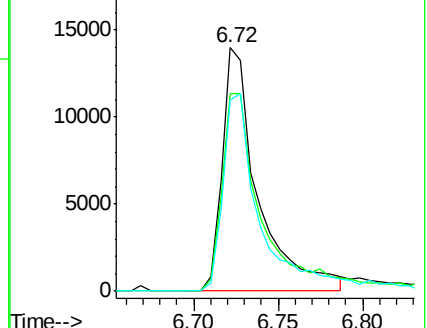
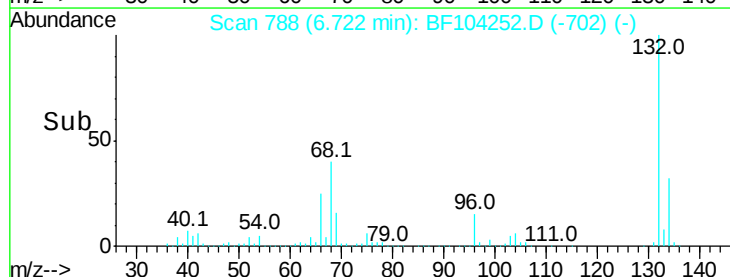
106 78.4 74.5 114.5

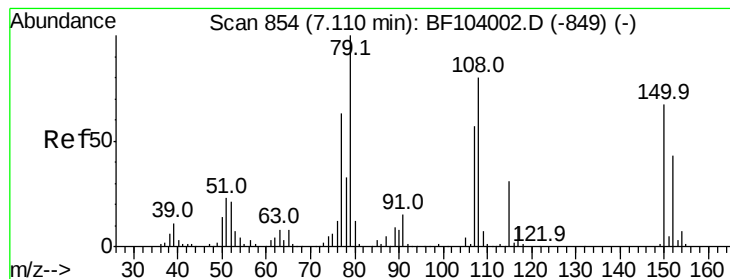


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#15

Benzyl Alcohol

Concen: 2.068 ng

RT: 7.10 min Scan# 853

Delta R.T. -0.00 min

Lab File: BF104252.D

Acq: 5 Apr 2018 4:07

Instrument :
BNA_F
ClientSampleId :

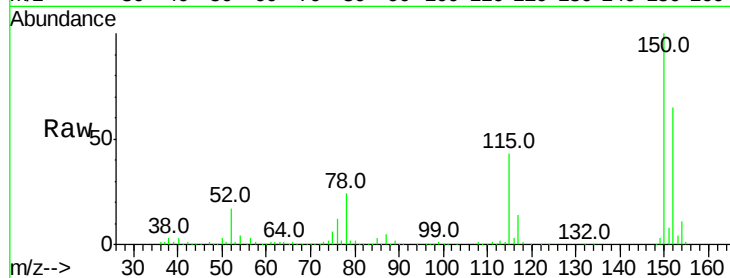
Tot Ion: 79 Resp: 12505

Ion Ratio Lower Upper

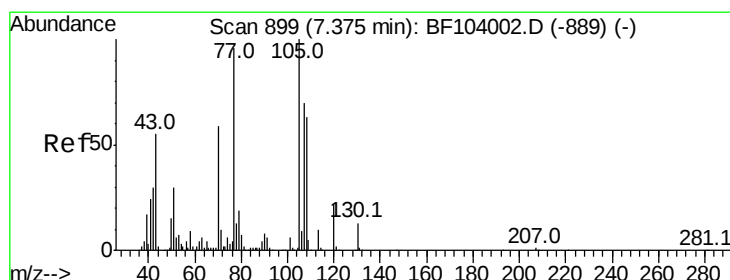
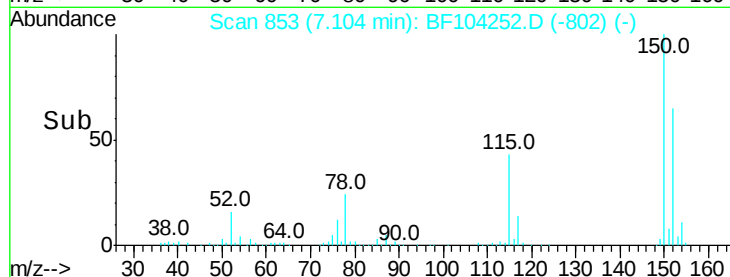
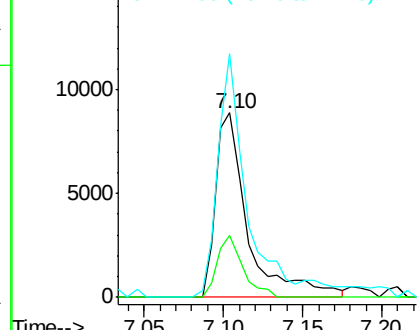
79 100

108 33.3 65.1 97.7#

77 131.8 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 17.439 ng

RT: 7.52 min Scan# 923

Delta R.T. 0.16 min

Lab File: BF104252.D

Acq: 5 Apr 2018 4:07

Tgt Ion: 70 Resp: 96258

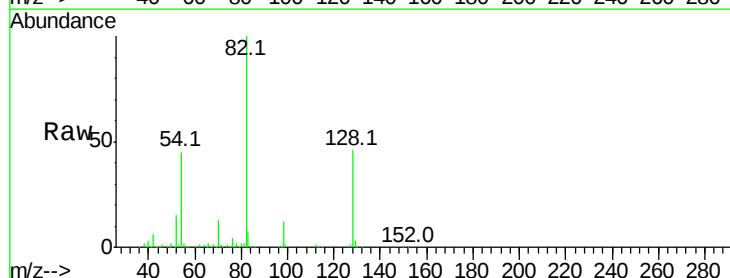
Ion Ratio Lower Upper

70 100

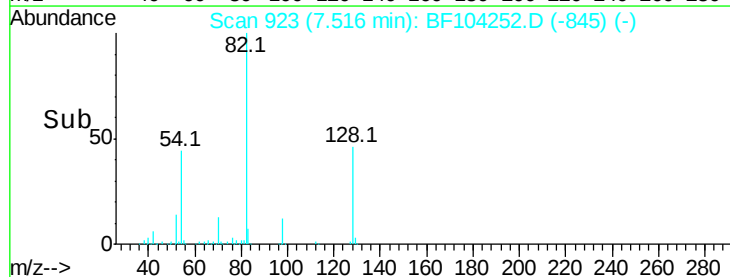
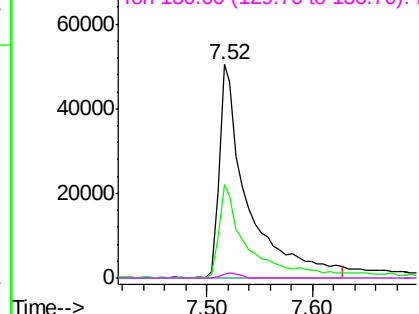
42 43.8 47.5 71.3#

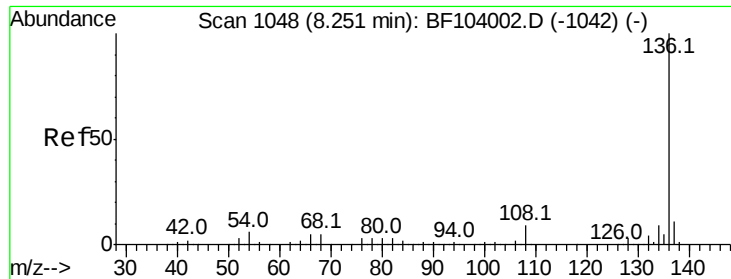
101 0.0 7.4 11.2#

130 2.1 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

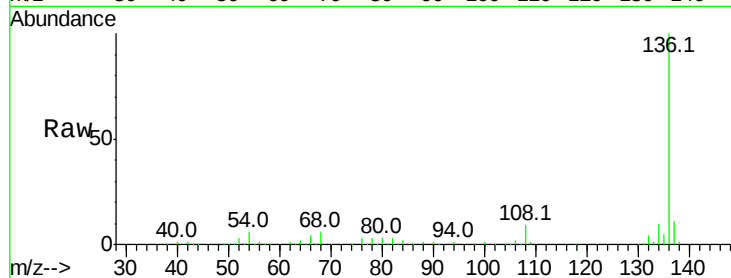




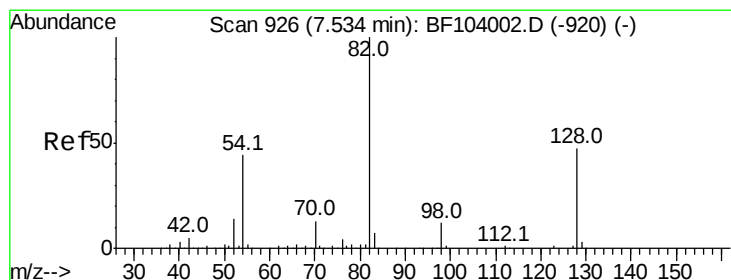
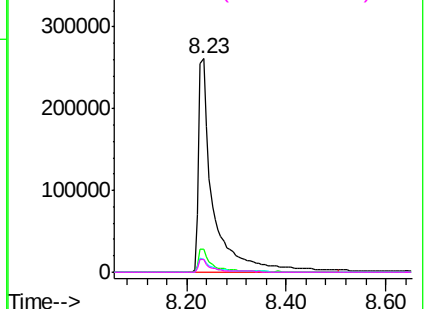
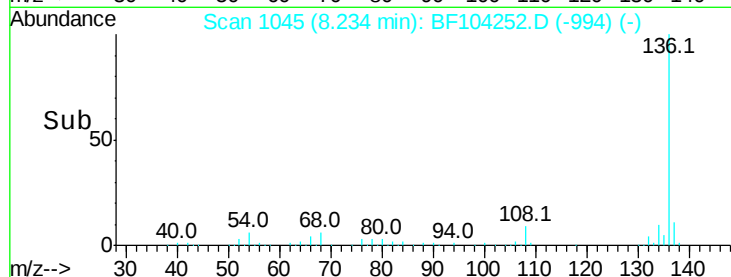
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1045
Delta R.T. -0.00 min
Lab File: BF104252.D
Acq: 5 Apr 2018 4:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	536955
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.2	6.6	9.8#
68	5.9	5.0	7.4

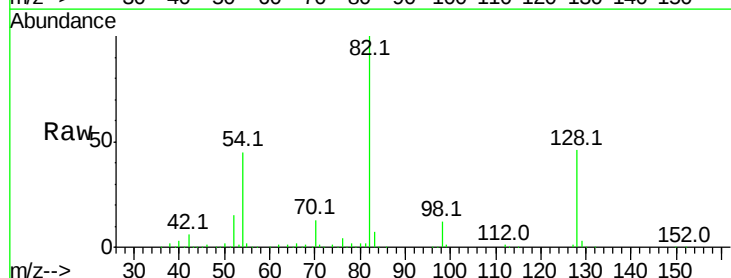


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

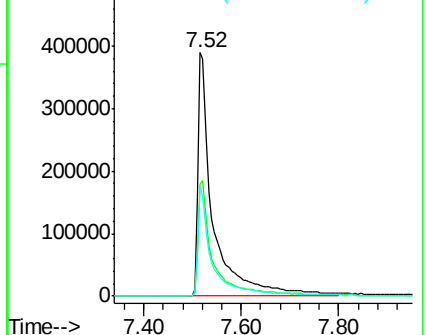
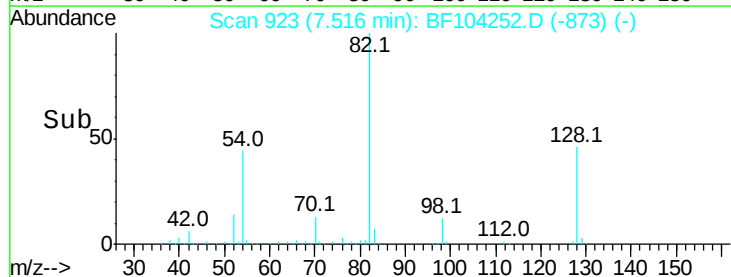


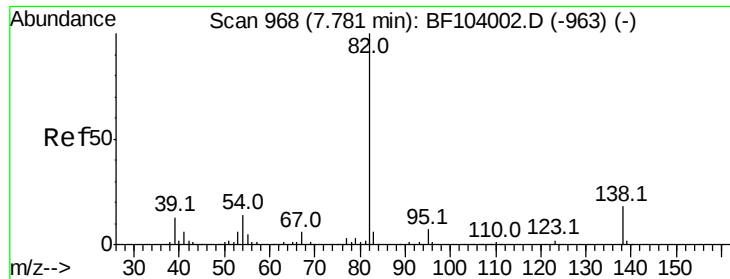
#23
Nitrobenzene-d5
Concen: 96.918 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF104252.D
Acq: 5 Apr 2018 4:07

Tgt Ion:	82	Resp:	850957
Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.1	54.1
54	44.6	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

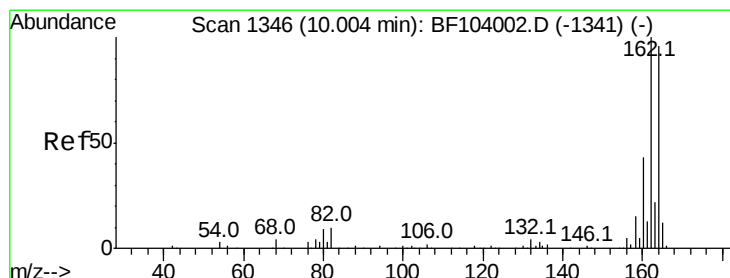
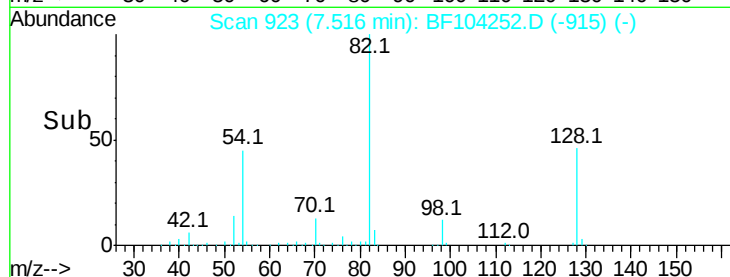
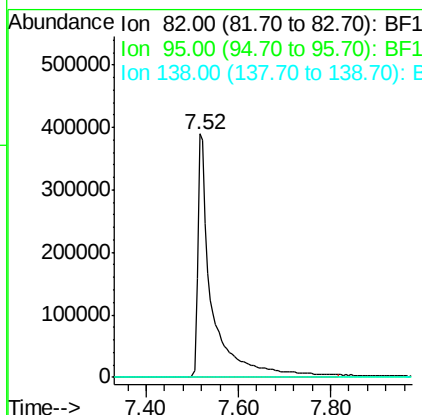
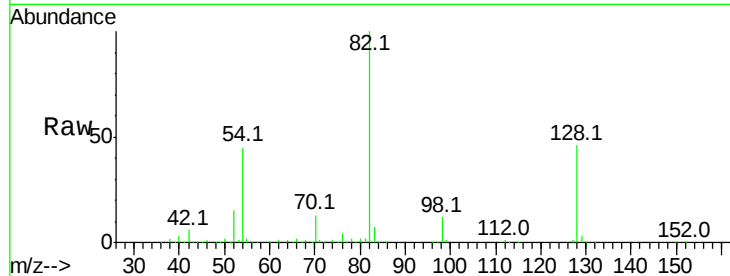




#25
Isophorone
Concen: 52.853 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.25 min
Lab File: BF104252.D
Acq: 5 Apr 2018 4:07

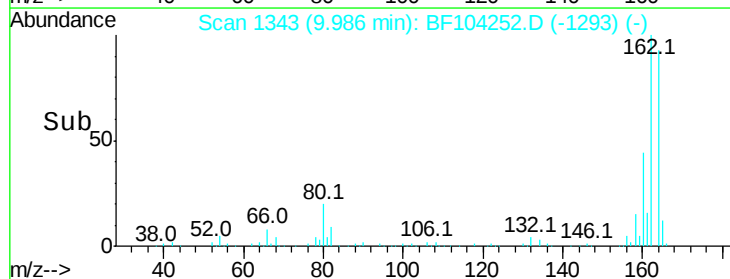
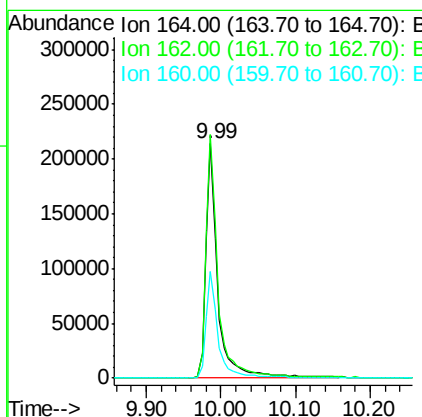
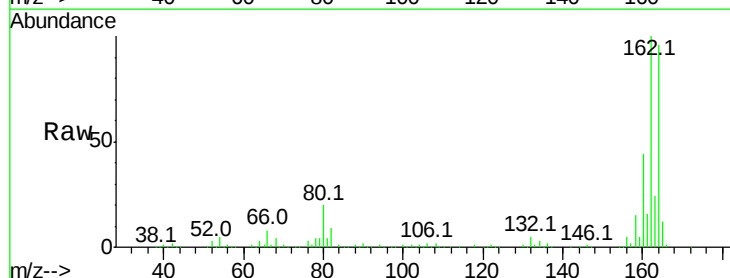
Instrument :
BNA_F
ClientSampled :

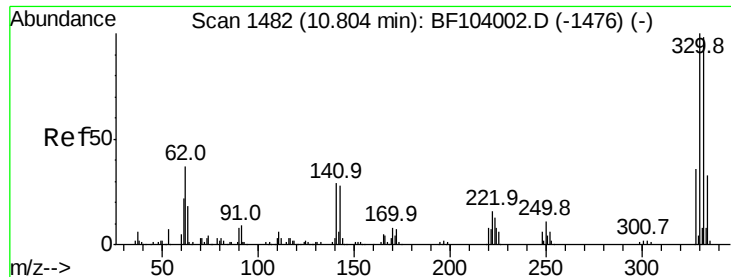
Tot Ion: 82 Resp: 855212
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF104252.D
Acq: 5 Apr 2018 4:07

Tgt Ion:164 Resp: 240411
Ion Ratio Lower Upper
164 100
162 104.0 86.1 129.1
160 45.6 38.3 57.5

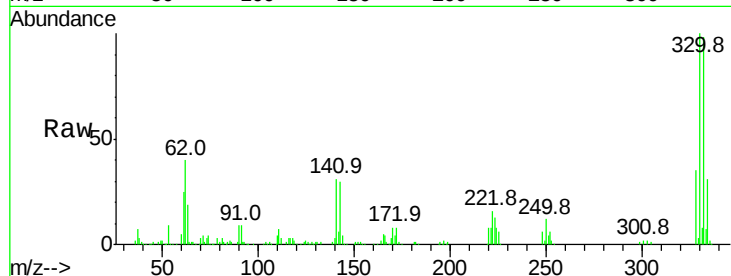




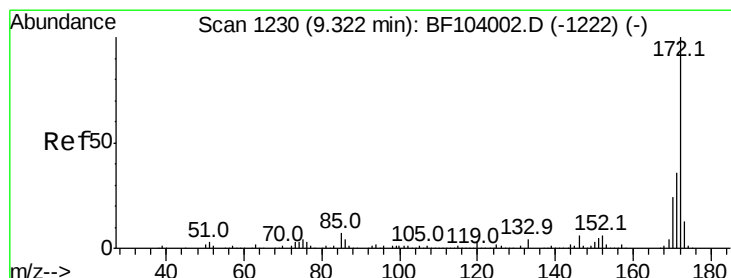
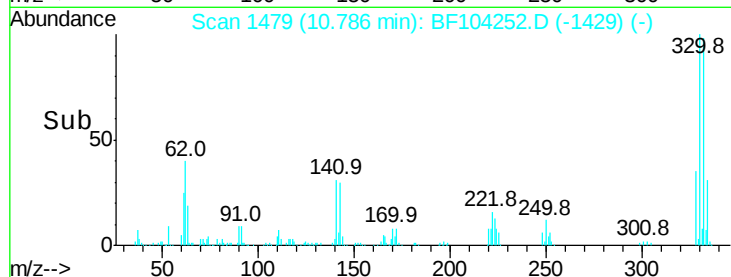
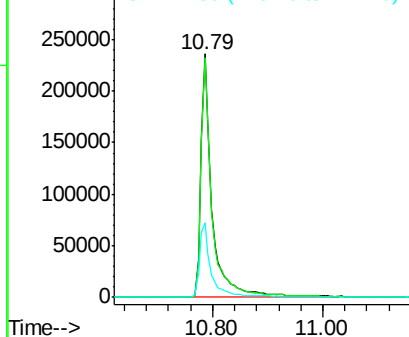
#41
 2,4,6-Tribromophenol
 Concen: 125.005 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: BF104252.D
 Acq: 5 Apr 2018 4:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 334636
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 31.2 29.9 44.9

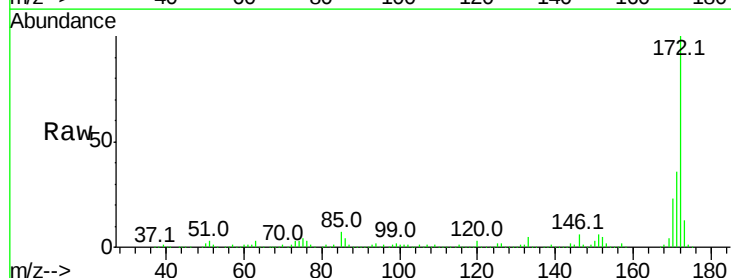


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

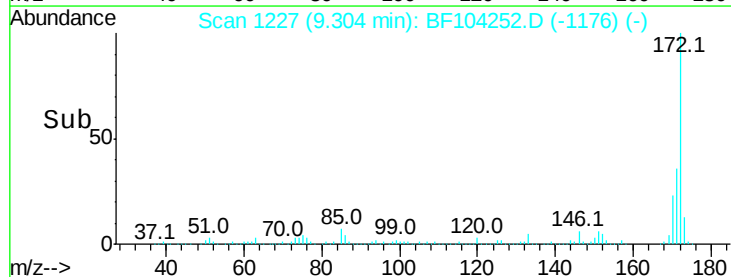
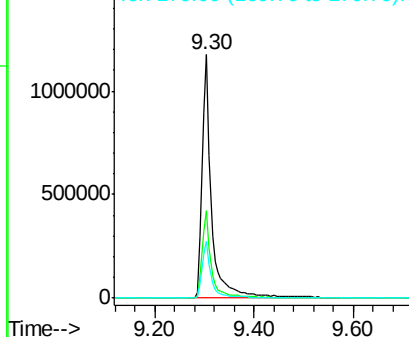


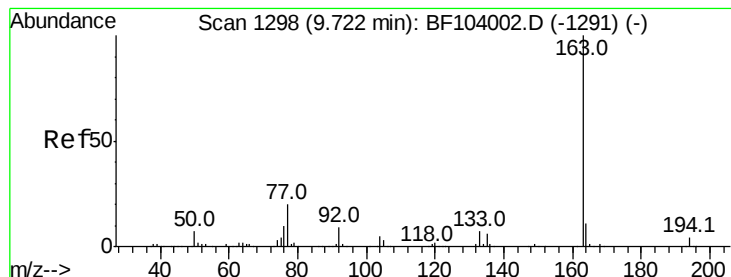
#44
 2-Fluorobiphenyl
 Concen: 102.794 ng
 RT: 9.30 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: BF104252.D
 Acq: 5 Apr 2018 4:07

Tgt Ion:172 Resp: 1567162
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 23.5 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





#49

Dimethylphthalate

Concen: 5.570 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF104252.D

Acq: 5 Apr 2018 4:07

Instrument :

BNA_F

ClientSampleId :

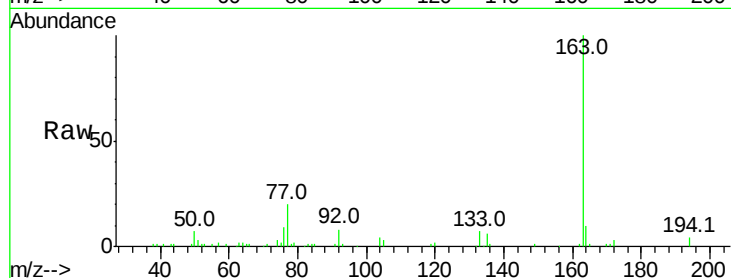
Tot Ion:163 Resp: 105729

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

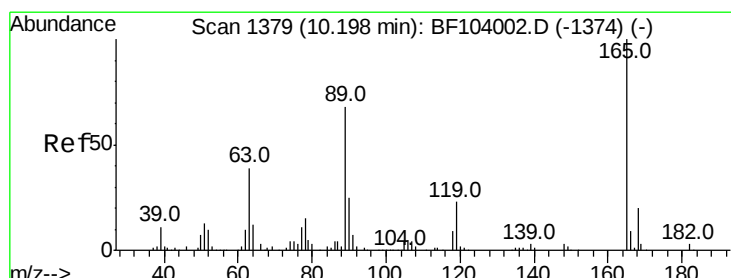
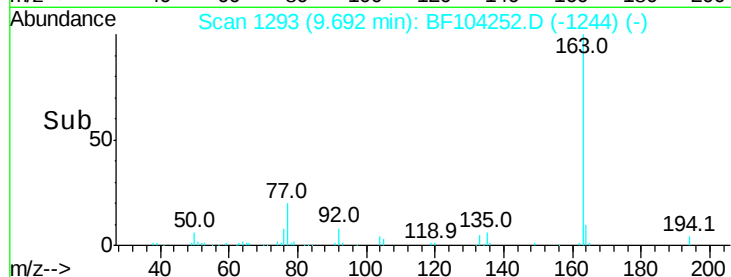
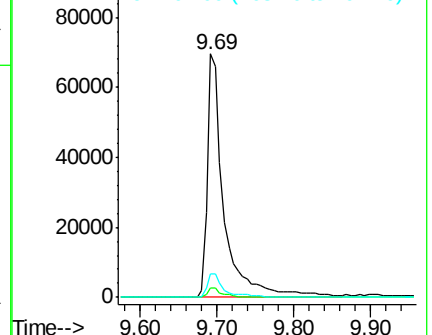
164 9.6 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 5.815 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.21 min

Lab File: BF104252.D

Acq: 5 Apr 2018 4:07

Tgt Ion:165 Resp: 30300

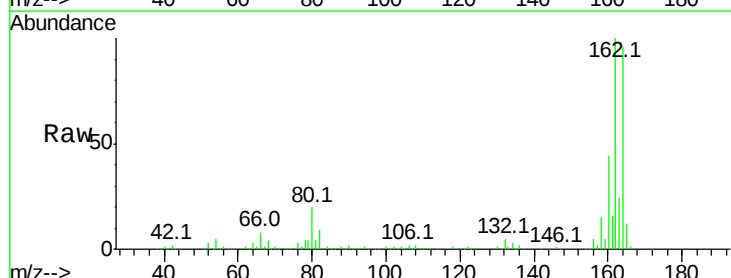
Ion Ratio Lower Upper

165 100

63 1.7 36.4 54.6#

89 1.6 57.8 86.6#

182 0.0 1.6 2.4#

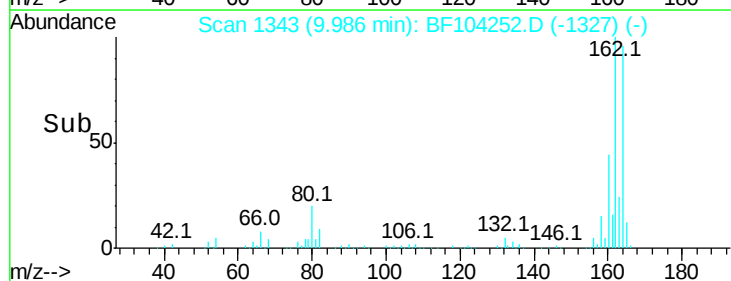
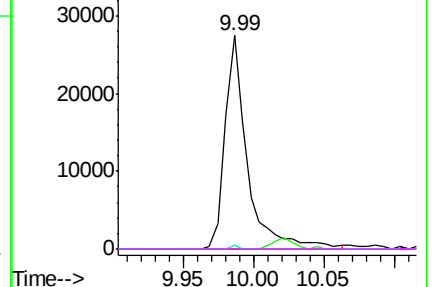


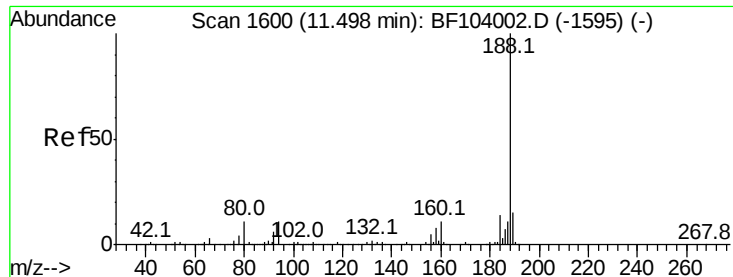
Abundance Ion 165.00 (164.70 to 165.70): E

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

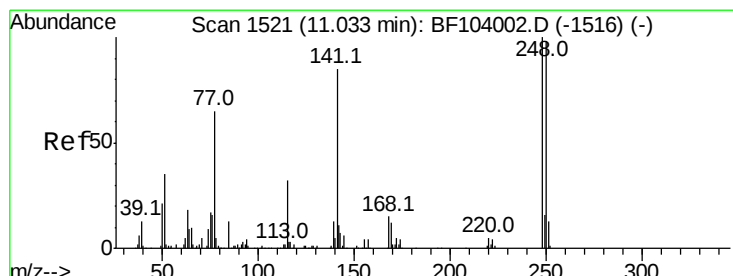
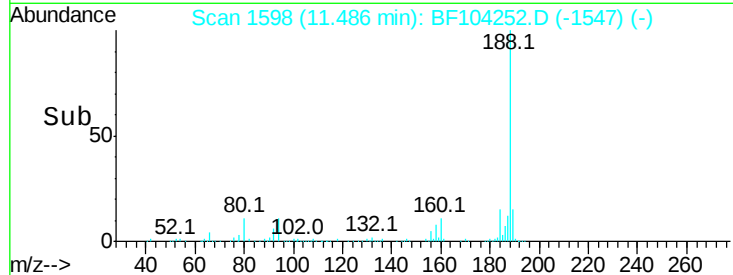
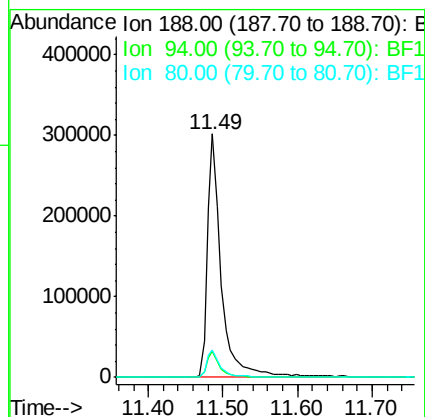
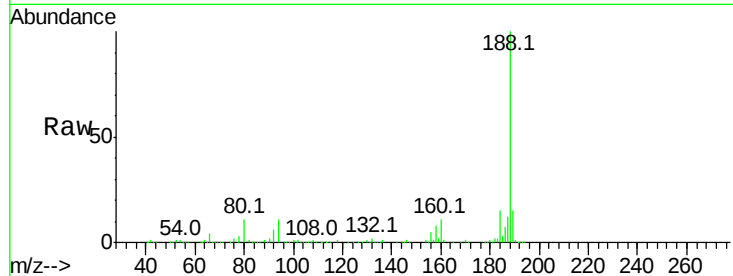




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.00 min
Lab File: BF104252.D
Acq: 5 Apr 2018 4:07

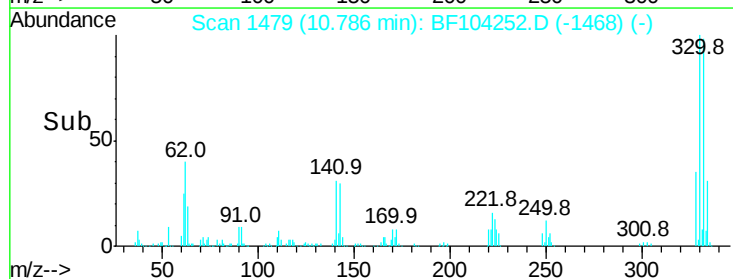
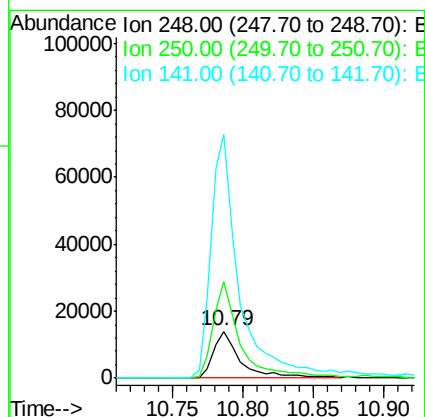
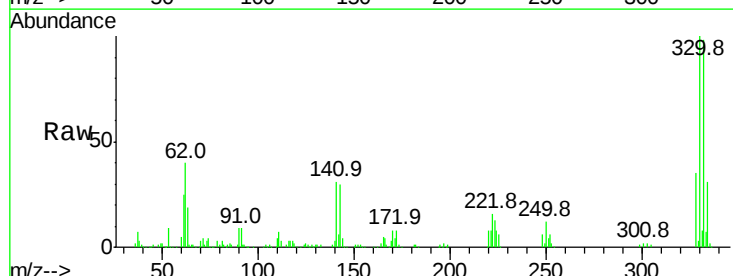
Instrument :
BNA_F
ClientSampleId :

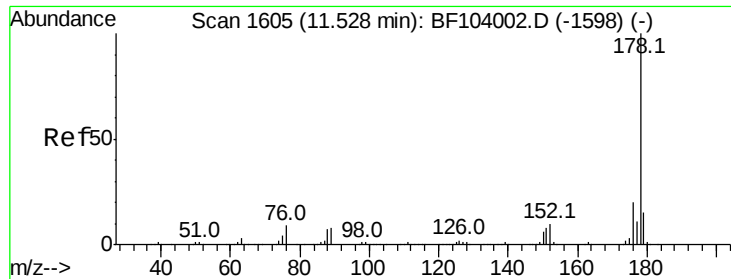
Tot Ion:188 Resp: 393807
Ion Ratio Lower Upper
188 100
94 10.8 8.5 12.7
80 11.2 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 4.503 ng
RT: 10.79 min Scan# 1479
Delta R.T. -0.24 min
Lab File: BF104252.D
Acq: 5 Apr 2018 4:07

Tgt Ion:248 Resp: 18972
Ion Ratio Lower Upper
248 100
250 203.8 76.9 115.3#
141 517.9 74.4 111.6#

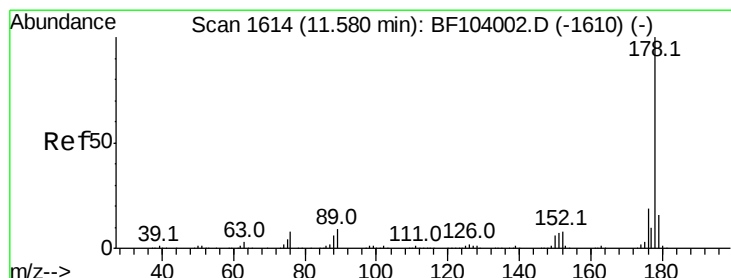
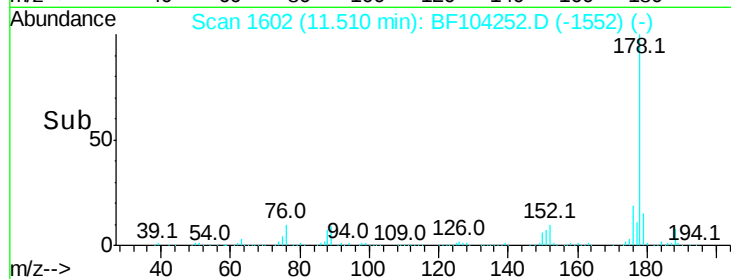
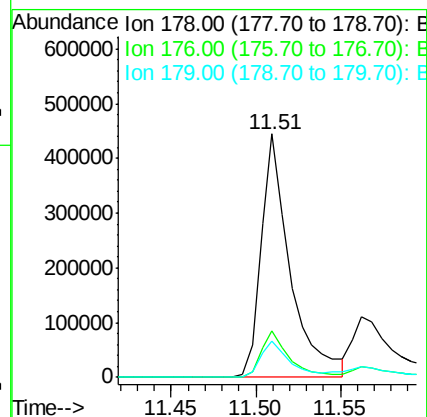
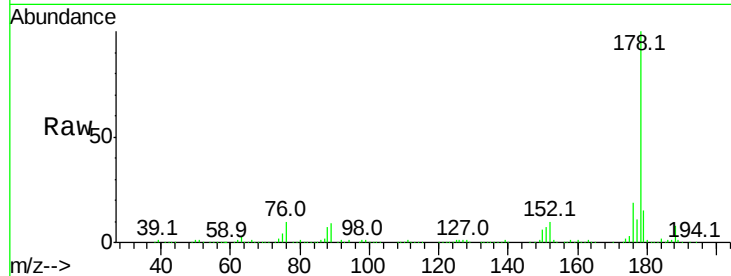




#70
Phenanthrene
Concen: 25.043 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BF104252.D
Acq: 5 Apr 2018 4:07

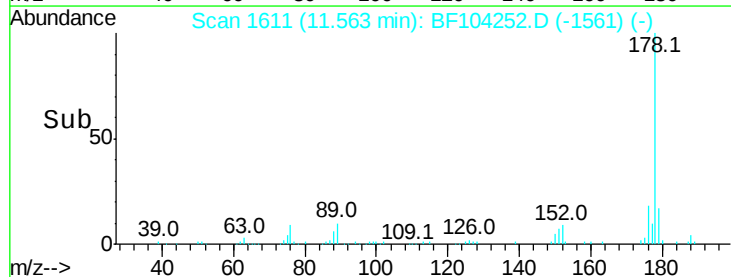
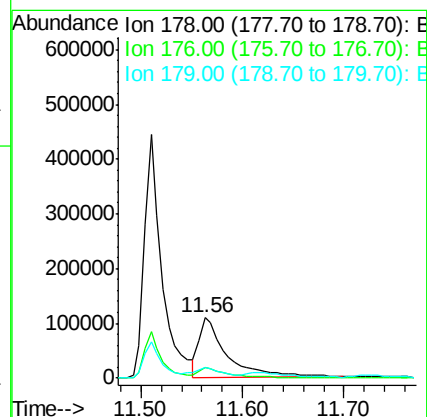
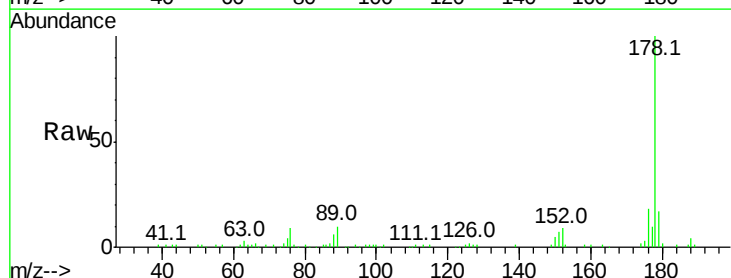
Instrument :
BNA_F
ClientSampleId :

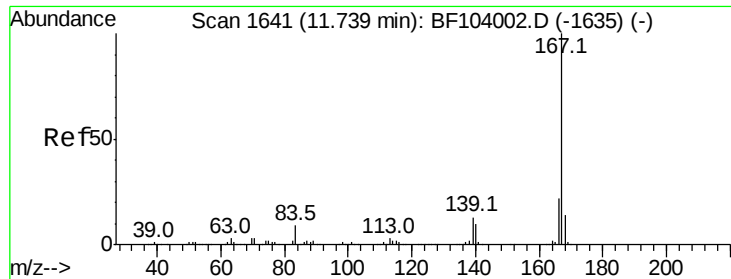
Tot Ion:178 Resp: 533936
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 15.1 13.0 19.6



#71
Anthracene
Concen: 9.162 ng
RT: 11.56 min Scan# 1611
Delta R.T. -0.01 min
Lab File: BF104252.D
Acq: 5 Apr 2018 4:07

Tgt Ion:178 Resp: 204041
Ion Ratio Lower Upper
178 100
176 17.8 15.4 23.2
179 17.3 12.6 19.0





#72

Carbazole

Concen: 5.466 ng

RT: 11.73 min Scan# 1640

Delta R.T. -0.00 min

Lab File: BF104252.D

Acq: 5 Apr 2018 4:07

Instrument :

BNA_F

ClientSampleId :

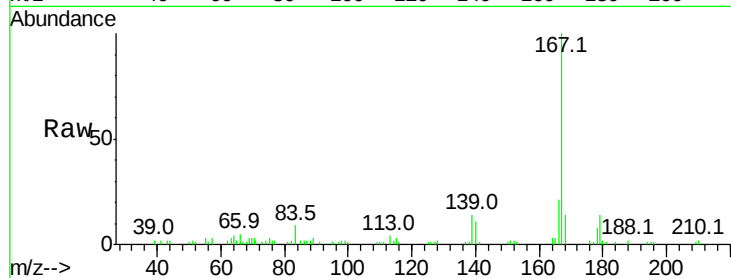
Tot Ion:167 Resp: 116187

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.6	26.4
139	13.7	10.9	16.3

167 100

166 21.0 17.6 26.4

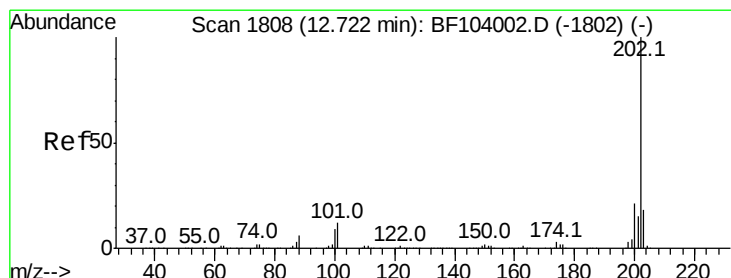
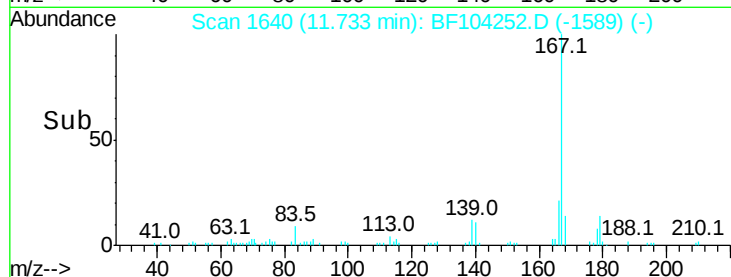
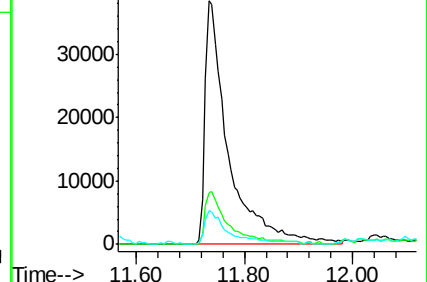
139 13.7 10.9 16.3



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: 29.223 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.00 min

Lab File: BF104252.D

Acq: 5 Apr 2018 4:07

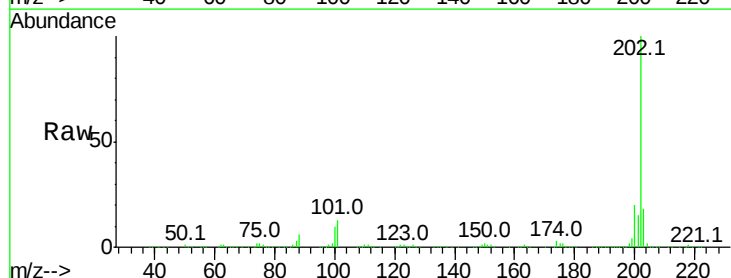
Tgt Ion:202 Resp: 662288

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	34.1
203	17.9	0.0	38.1

202 100

101 13.0 0.0 34.1

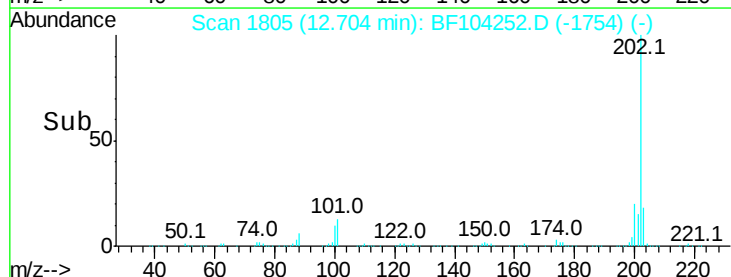
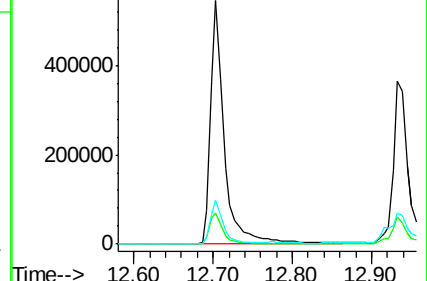
203 17.9 0.0 38.1

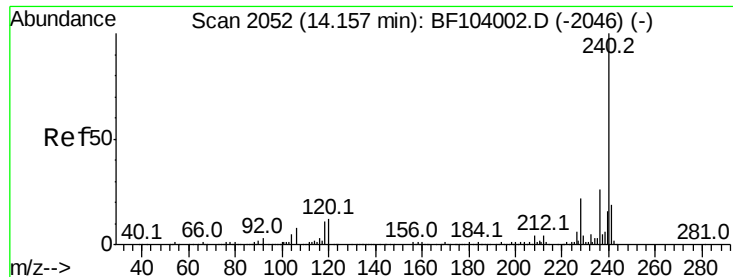


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.14 min Scan# 2049

Delta R.T. -0.01 min

Lab File: BF104252.D

Acq: 5 Apr 2018 4:07

Instrument :

BNA_F

ClientSampleId :

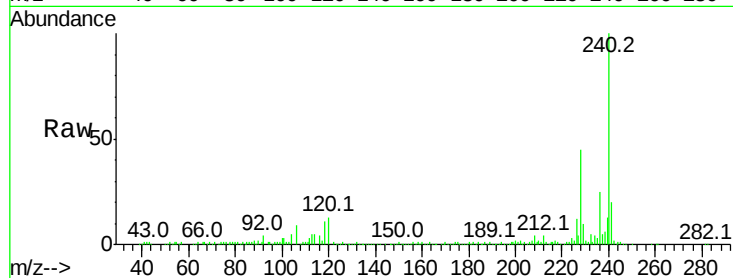
Tot Ion:240 Resp: 242870

Ion Ratio Lower Upper

240 100

120 13.4 9.5 14.3

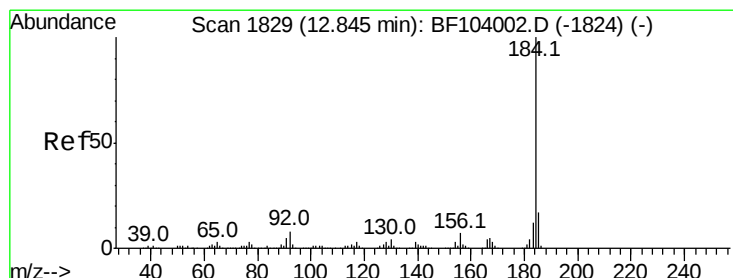
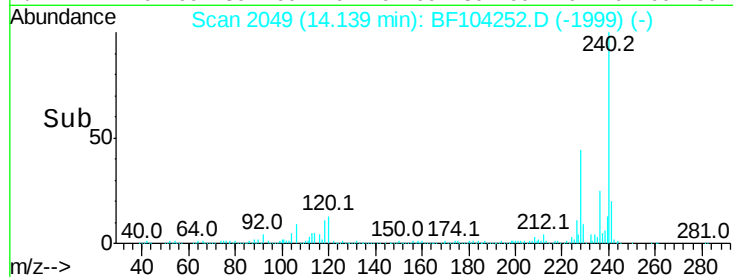
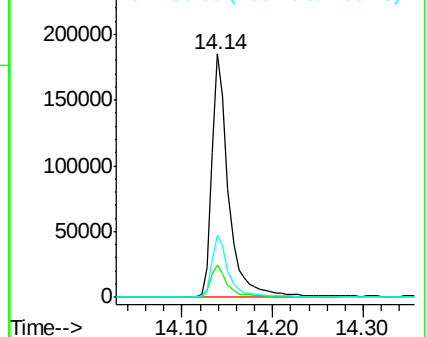
236 25.4 20.7 31.1



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



#76

Benzidine

Concen: 2.141 ng

RT: 13.07 min Scan# 1867

Delta R.T. 0.23 min

Lab File: BF104252.D

Acq: 5 Apr 2018 4:07

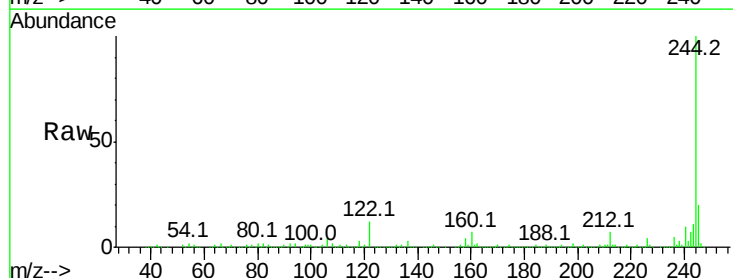
Tgt Ion:184 Resp: 14820

Ion Ratio Lower Upper

184 100

185 18.1 12.6 18.8

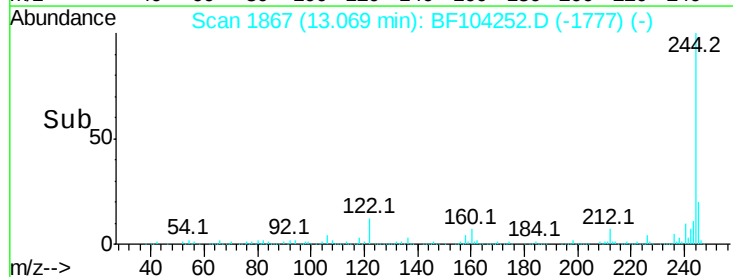
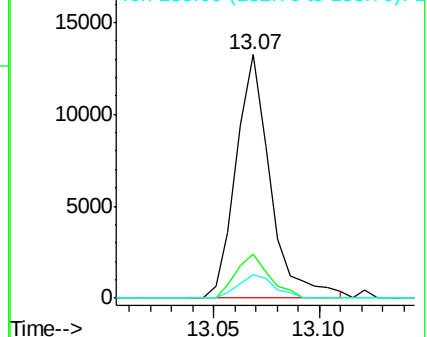
183 9.5 9.3 13.9

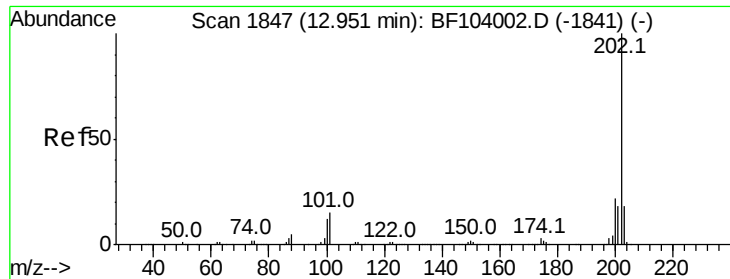


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

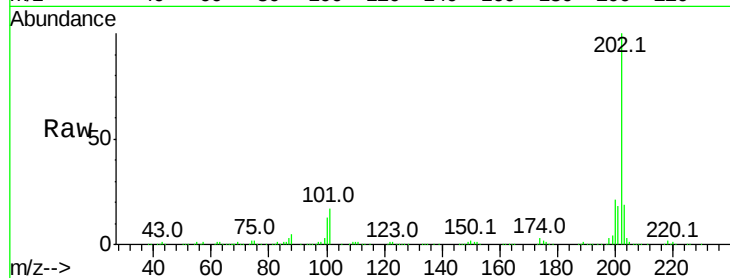




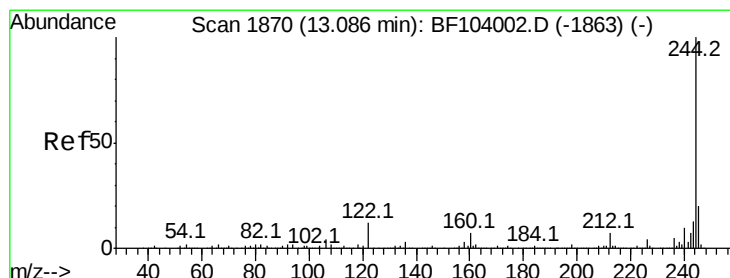
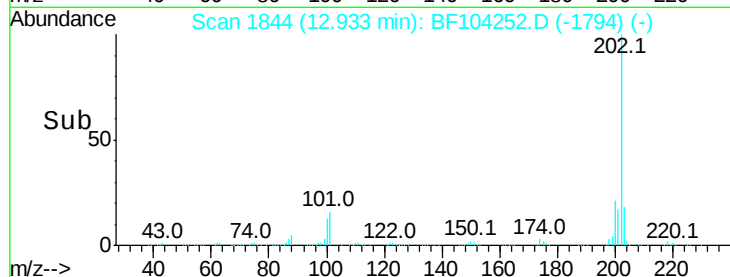
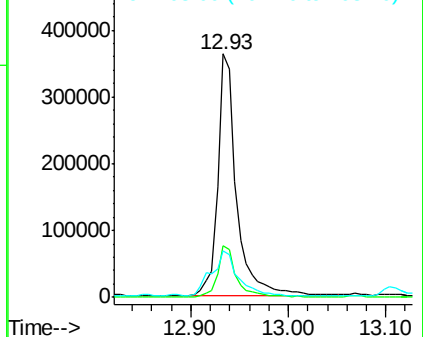
#77
Pvrene
Concen: 27.834 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BF104252.D
Acq: 5 Apr 2018 4:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 485953
Ion Ratio Lower Upper
202 100
200 21.1 17.4 26.2
203 19.0 14.3 21.5

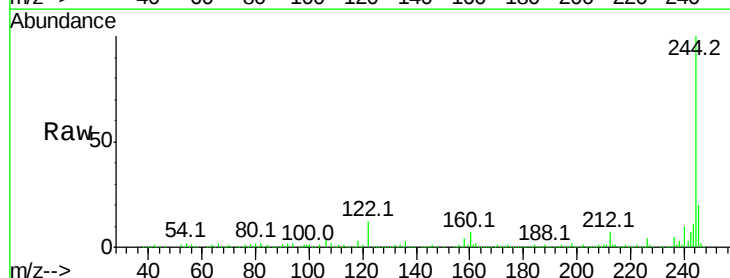


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

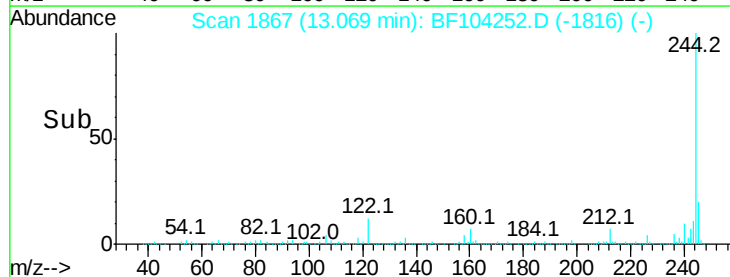
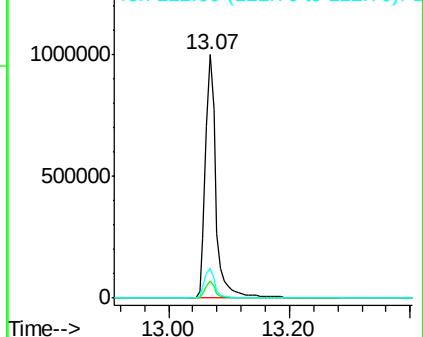


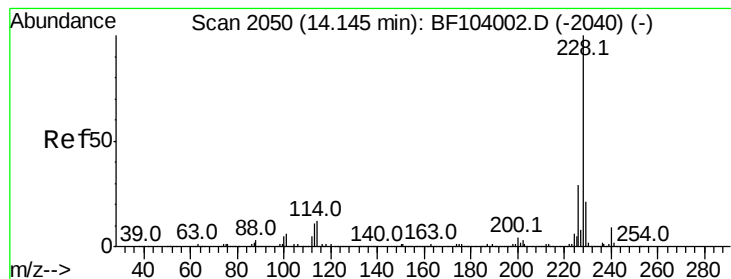
#78
Terphenyl-d14
Concen: 117.660 ng
RT: 13.07 min Scan# 1867
Delta R.T. -0.00 min
Lab File: BF104252.D
Acq: 5 Apr 2018 4:07

Tgt Ion:244 Resp: 1237619
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 12.4 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: 12.430 ng

RT: 14.17 min Scan# 2054

Delta R.T. 0.04 min

Lab File: BF104252.D

Acq: 5 Apr 2018 4:07

Instrument :

BNA_F

ClientSampleId :

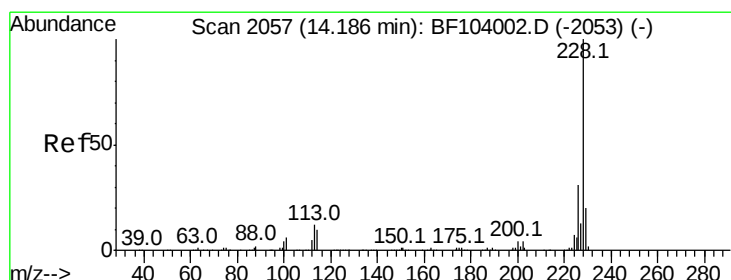
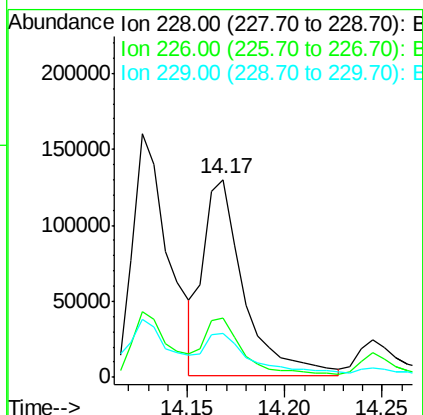
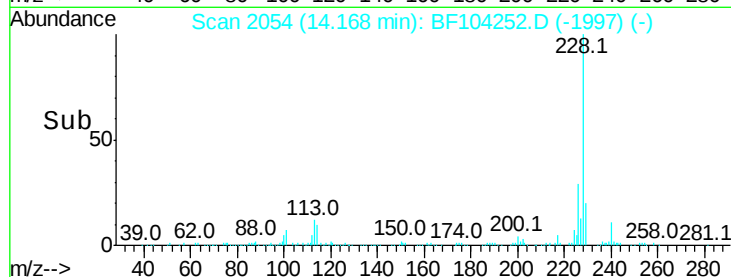
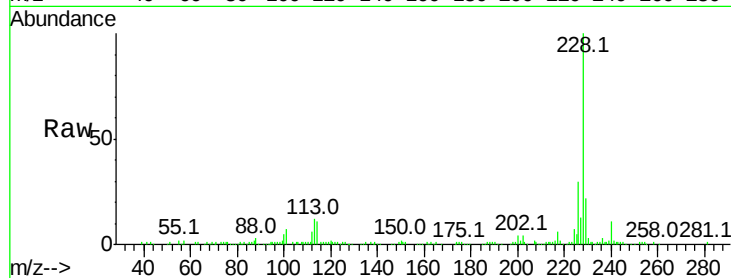
Tot Ion:228 Resp: 188891

Ion Ratio Lower Upper

228 100

226 29.8 22.6 33.8

229 22.1 15.8 23.6



#82

Chrysene

Concen: 12.712 ng

RT: 14.17 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BF104252.D

Acq: 5 Apr 2018 4:07

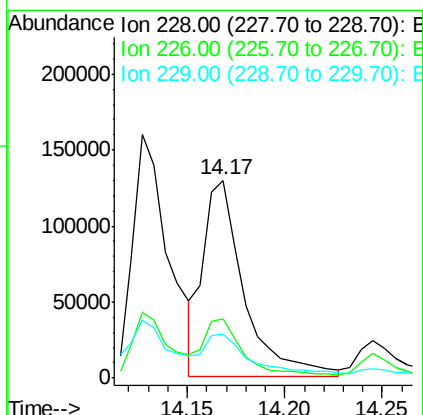
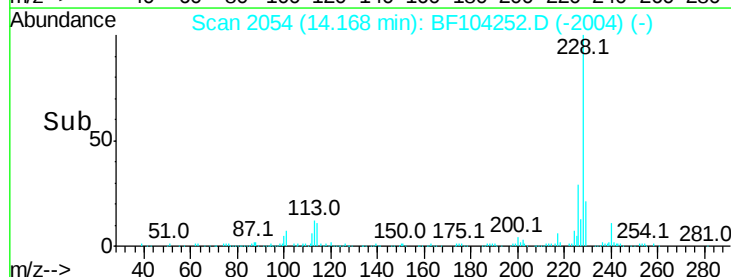
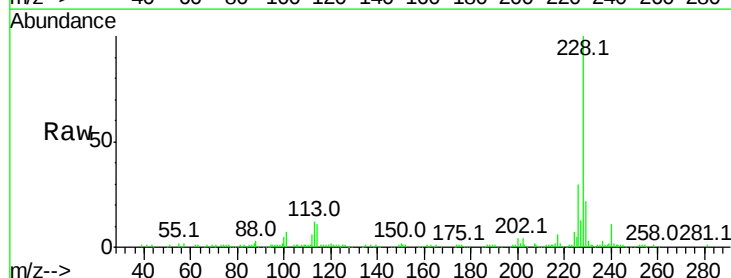
Tgt Ion:228 Resp: 189205

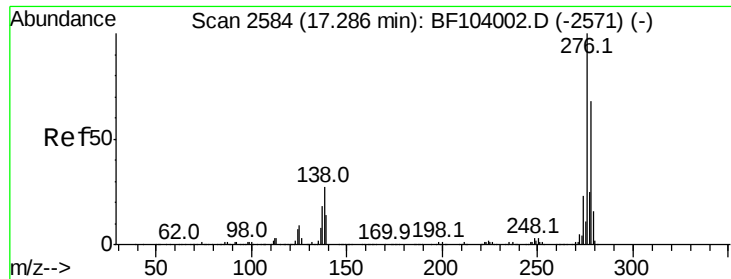
Ion Ratio Lower Upper

228 100

226 29.8 25.0 37.6

229 22.1 16.2 24.4

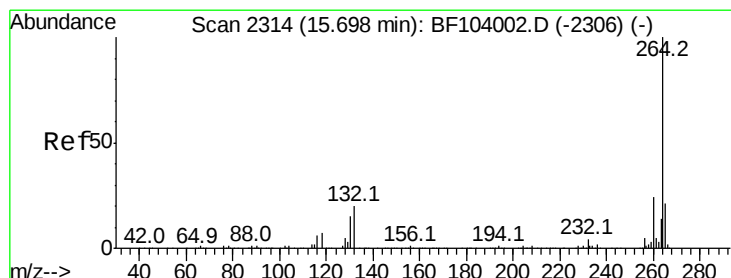
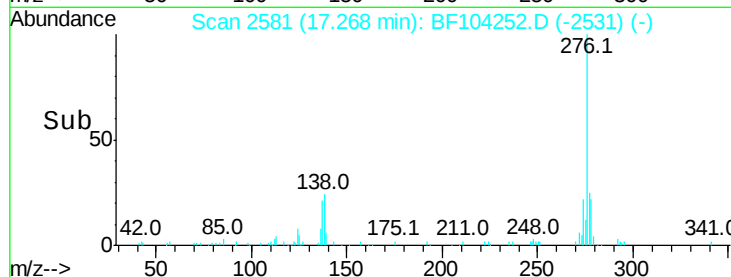
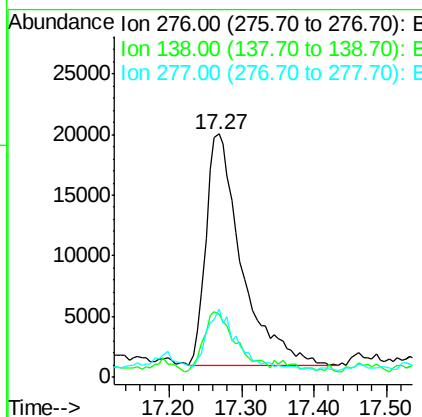
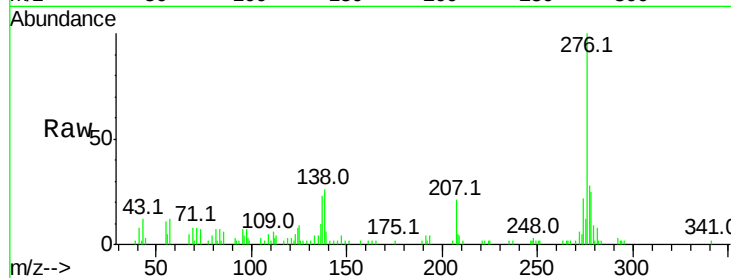




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.220 ng
 RT: 17.27 min Scan# 2581
 Delta R.T. -0.01 min
 Lab File: BF104252.D
 Acq: 5 Apr 2018 4:07

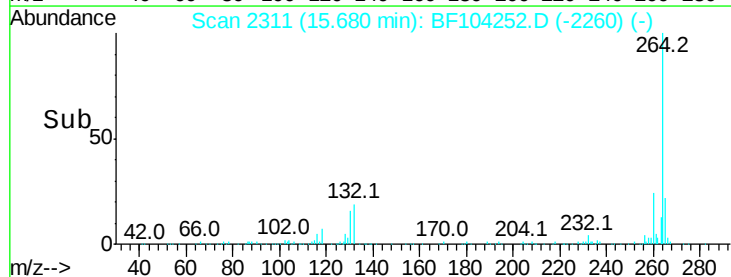
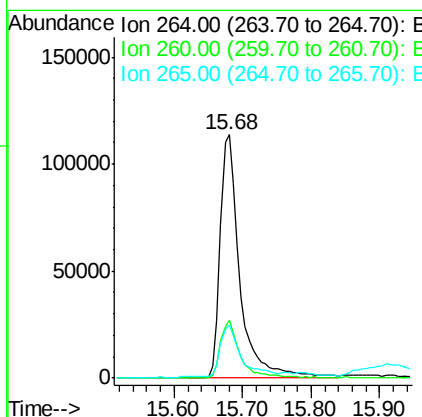
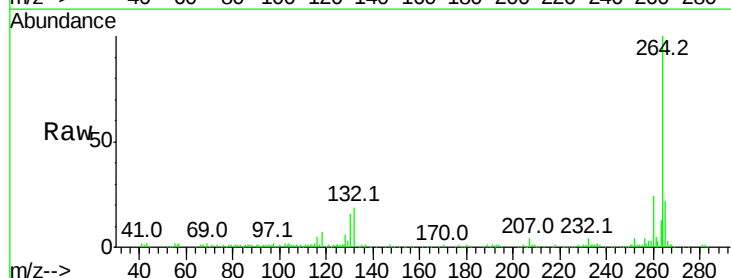
Instrument :
 BNA_F
 ClientSampled :

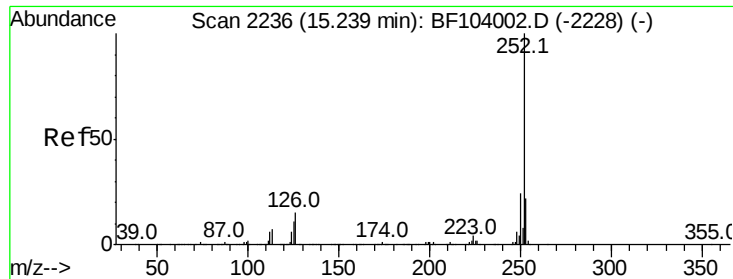
Tot Ion	Ion	Ratio	Lower	Upper
276	100			
138	23.4	25.0	37.6	
277	23.4	20.1	30.1	



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: BF104252.D
 Acq: 5 Apr 2018 4:07

Tgt Ion	Ion	Ratio	Lower	Upper
264	100			
260	23.8	19.2	28.8	
265	21.9	17.5	26.3	





#87

Benzo(b)fluoranthene

Concen: 18.941 ng

RT: 15.22 min Scan# 2233

Delta R.T. -0.00 min

Lab File: BF104252.D

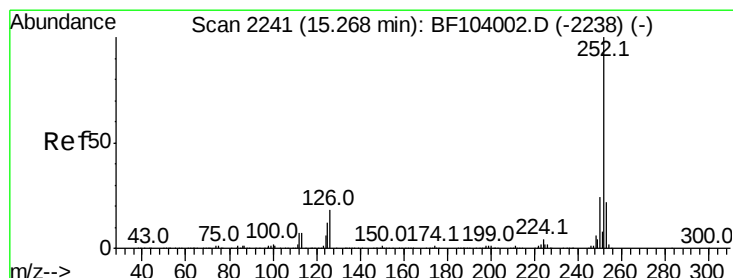
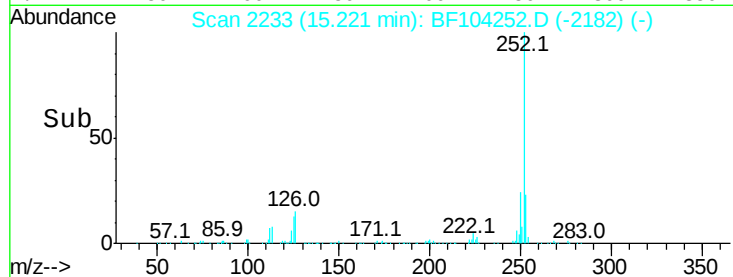
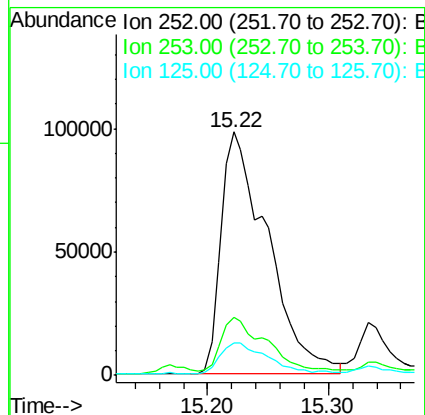
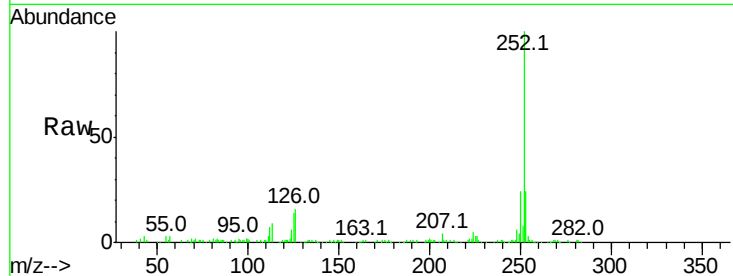
Acq: 5 Apr 2018 4:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	261297
Ion Ratio	Lower	Upper
252	100	
253	23.6	17.0 25.6
125	13.5	9.0 13.6



#88

Benzo(k)fluoranthene

Concen: 20.107 ng

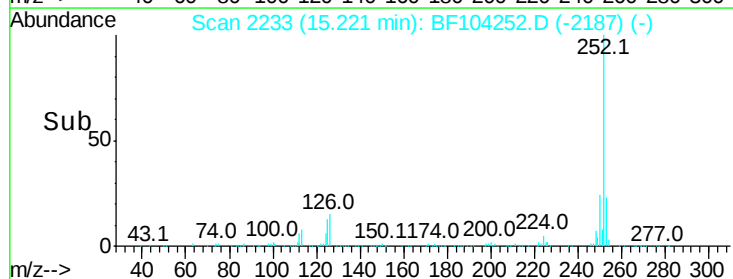
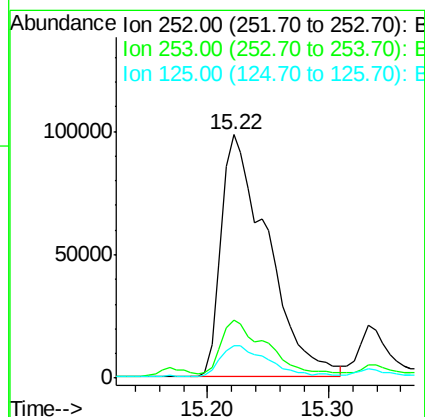
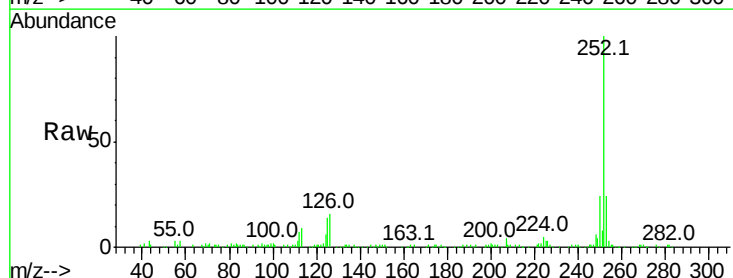
RT: 15.22 min Scan# 2233

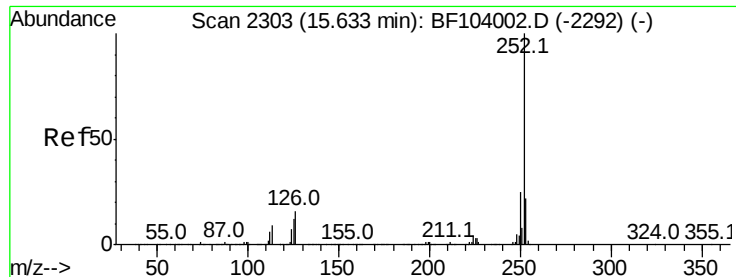
Delta R.T. -0.03 min

Lab File: BF104252.D

Acq: 5 Apr 2018 4:07

Tgt Ion:252	Resp:	261297
Ion Ratio	Lower	Upper
252	100	
253	23.6	17.9 26.9
125	13.5	10.2 15.2

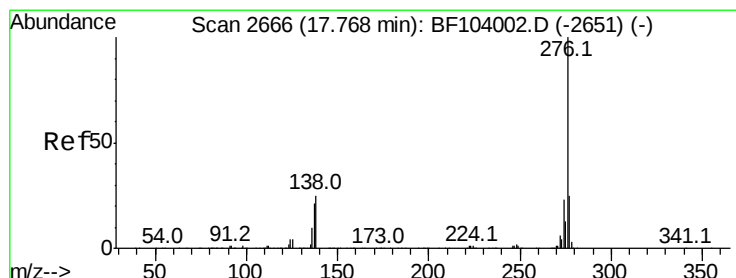
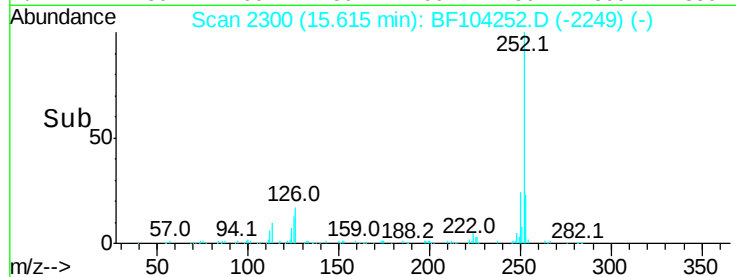
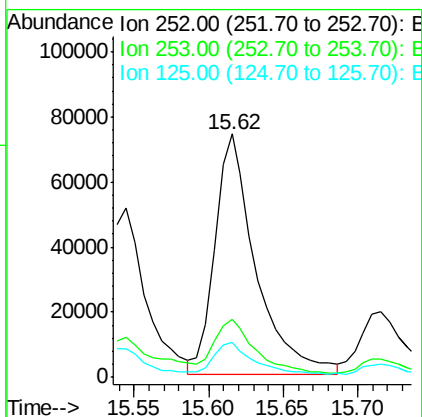
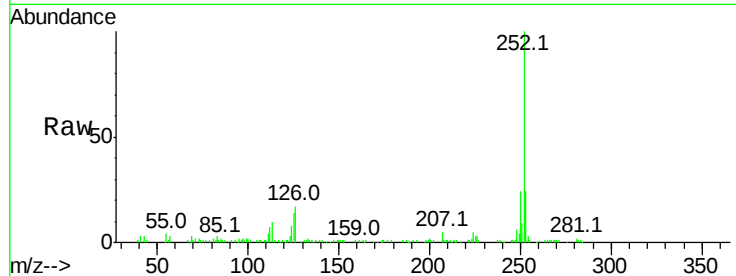




#89
Benzo(a)pyrene
Concen: 11.034 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.00 min
Lab File: BF104252.D
Acq: 5 Apr 2018 4:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 141054
Ion Ratio Lower Upper
252 100
253 23.9 17.1 25.7
125 14.2 9.8 14.6



#91
Benzo(g,h,i)perylene
Concen: 5.022 ng
RT: 17.75 min Scan# 2663
Delta R.T. -0.00 min
Lab File: BF104252.D
Acq: 5 Apr 2018 4:07

Tgt Ion:276 Resp: 59449
Ion Ratio Lower Upper
276 100
277 25.0 17.9 26.9
138 28.3 21.8 32.8

