

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033018\
 Data File : BF104096.D
 Acq On : 30 Mar 2018 16:54
 Operator : JU/SJ
 Sample : J2139-11 50X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 30 17:49:39 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 30 17:20:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	93198	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	429726	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	209274	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	389613	20.00	ng	0.00
75) Chrysene-d12	14.14	240	339483	20.00	ng	0.00
86) Perylene-d12	15.68	264	281456	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	217	0.04	ng	0.14
7) Phenol-d6	6.62	99	2429	0.34	ng	0.02
23) Nitrobenzene-d5	7.55	82	2059	0.29	ng	0.02
41) 2,4,6-Tribromophenol	10.79	330	1865	0.80	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	7466	0.56	ng	0.00
78) Terphenyl-d14	13.07	244	10535	0.72	ng	0.00

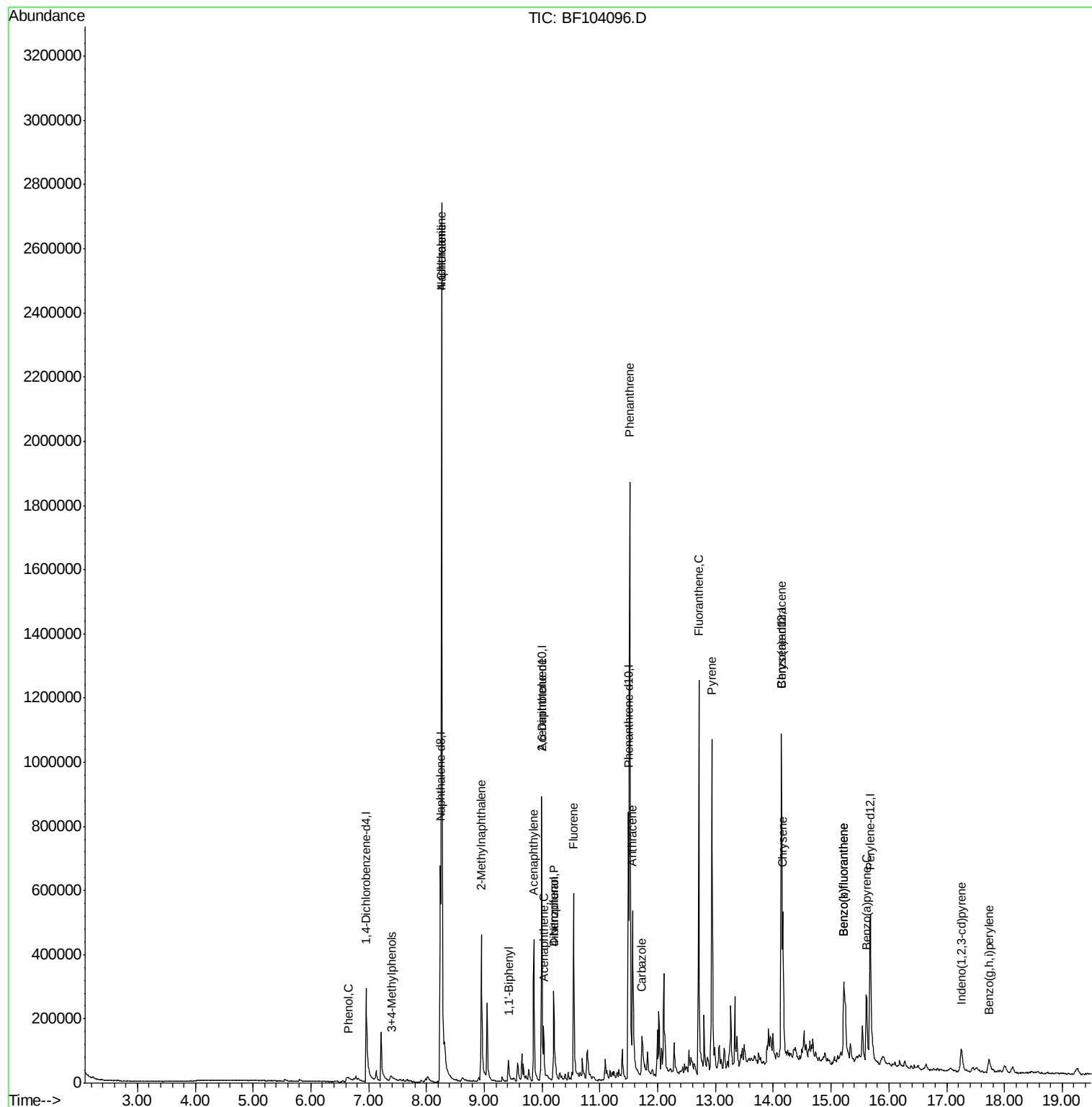
Target Compounds				Qvalue		
9) Benzaldehyde	6.55	77	127	Below Cal	#	1
10) Phenol	6.64	94	27329	3.431	ng	94
20) 3+4-Methylphenols	7.40	107	15340	2.304	ng	88
31) Naphthalene	8.26	128	1569372	74.755	ng	100
33) 4-Chloroaniline	8.26	127	205854	23.259	ng	# 34
37) 2-Methylnaphthalene	8.95	142	180437	13.048	ng	99
45) 1,1'-Biphenyl	9.42	154	46618	2.595	ng	98
48) Acenaphthylene	9.86	152	232091	10.813	ng	99
50) 2,6-Dinitrotoluene	9.99	165	28268	7.952	ng	# 26
51) Acenaphthene	10.03	154	40357	3.250	ng	98
54) Dibenzofuran	10.20	168	179140	9.880	ng	100
55) 4-Nitrophenol	10.20	139	67020	27.353	ng	# 10
57) Fluorene	10.55	166	219448	14.672	ng	100
70) Phenanthrene	11.52	178	782407	37.091	ng	99
71) Anthracene	11.57	178	308814	14.016	ng	99
72) Carbazole	11.73	167	102026	4.852	ng	97
74) Fluoranthene	12.71	202	595186	26.545	ng	96
77) Pyrene	12.94	202	481720	19.739	ng	99
80) Benzo(a)anthracene	14.13	228	237778	11.194	ng	93
82) Chrysene	14.17	228	168357	8.092	ng	97
85) Indeno(1,2,3-cd)pyrene	17.25	276	55656	2.581	ng	# 89
87) Benzo(b)fluoranthene	15.22	252	238102	13.900	ng	98
88) Benzo(k)fluoranthene	15.22	252	238102	14.756	ng	99
89) Benzo(a)pyrene	15.61	252	136907	8.625	ng	96
91) Benzo(g,h,i)perylene	17.73	276	47739	3.248	ng	95

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

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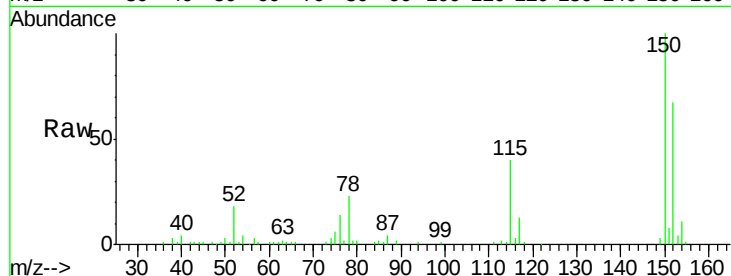


#1

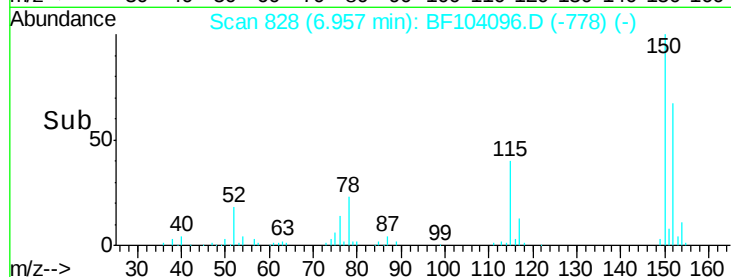
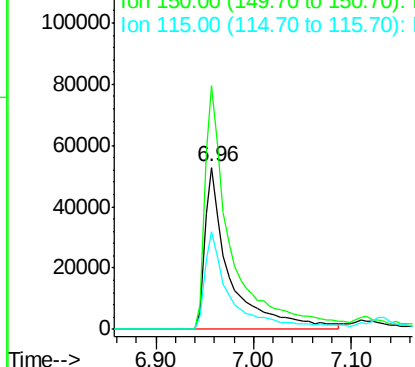
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 93198
Ion Ratio Lower Upper
152 100
150 150.3 124.6 186.8
115 60.1 50.1 75.1



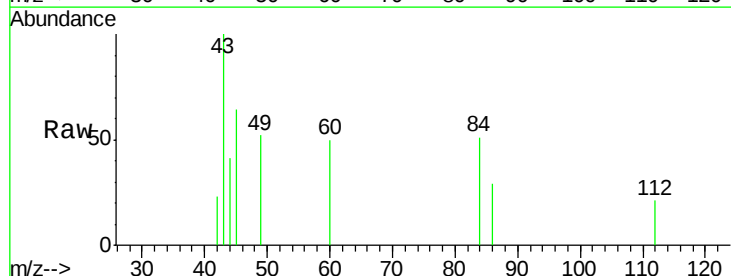
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



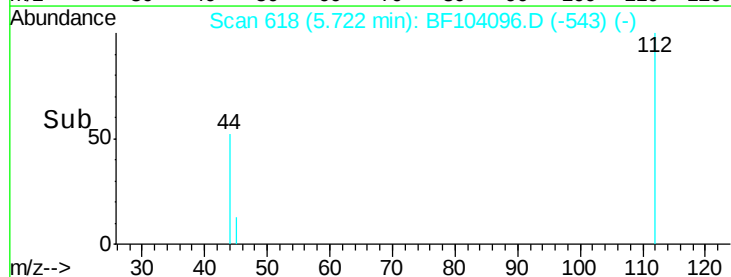
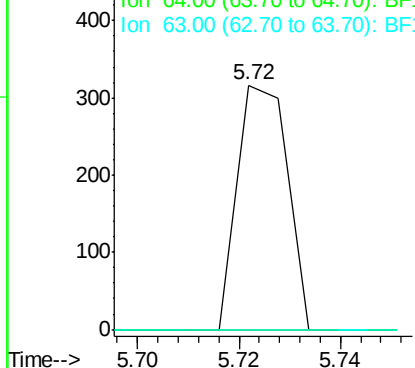
#5

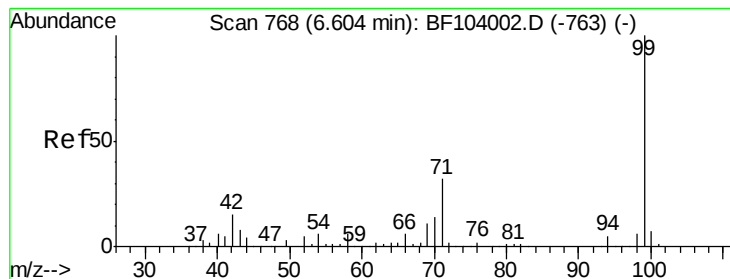
2-Fluorophenol
Concen: 0.037 ng
RT: 5.72 min Scan# 618
Delta R.T. 0.14 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Tgt Ion:112 Resp: 217
Ion Ratio Lower Upper
112 100
64 0.0 47.9 71.9#
63 0.0 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: 0.338 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.02 min

Lab File: BF104096.D

Acq: 30 Mar 2018 16:54

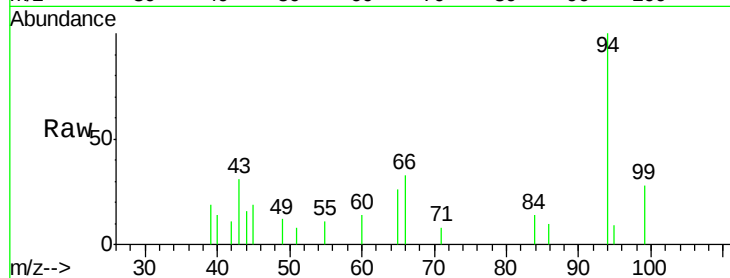
Instrument :

BNA_F

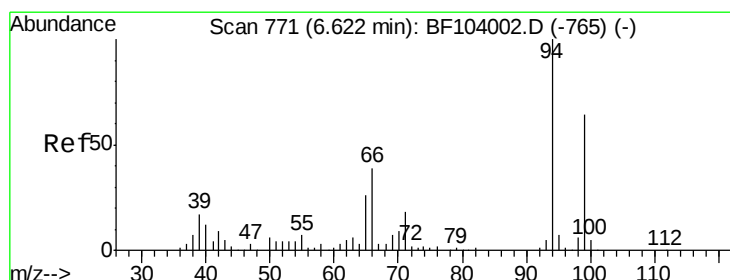
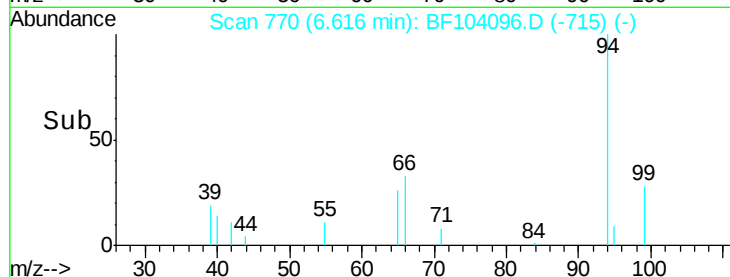
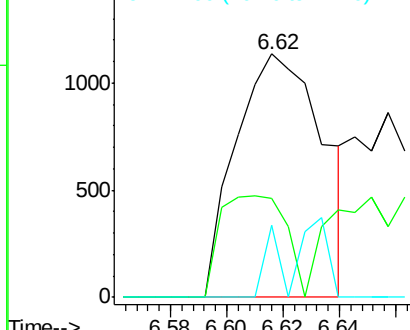
ClientSampled :

Tot Ion: 99 Resp: 2429

Ion	Ratio	Lower	Upper
99	100		
42	40.4	14.5	21.7#
71	29.6	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



#10

Phenol

Concen: 3.431 ng

RT: 6.64 min Scan# 774

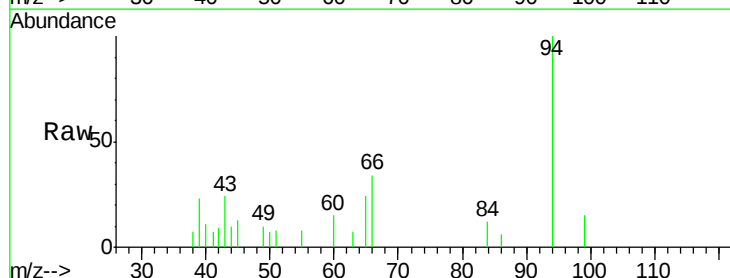
Delta R.T. 0.04 min

Lab File: BF104096.D

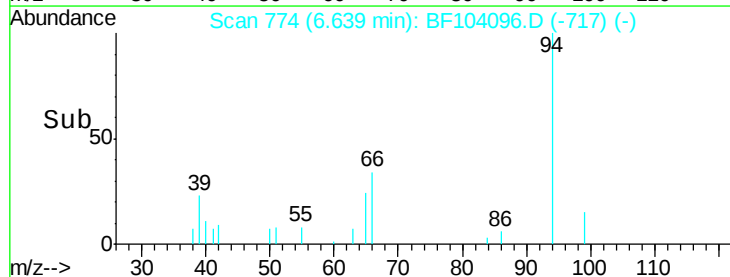
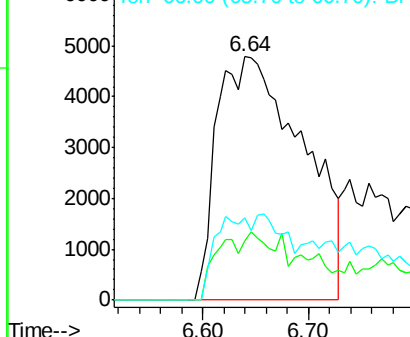
Acq: 30 Mar 2018 16:54

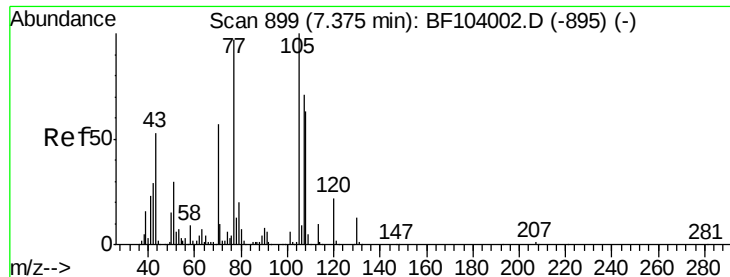
Tgt Ion: 94 Resp: 27329

Ion	Ratio	Lower	Upper
94	100		
65	24.2	7.9	47.9
66	33.6	16.2	56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

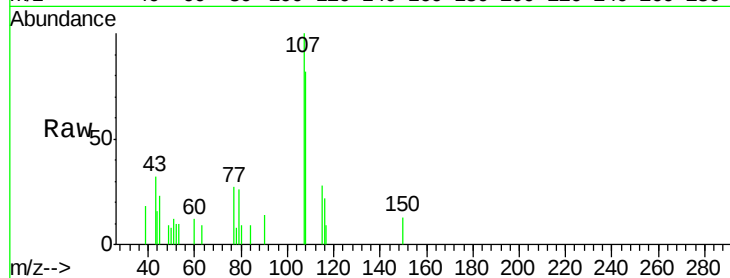




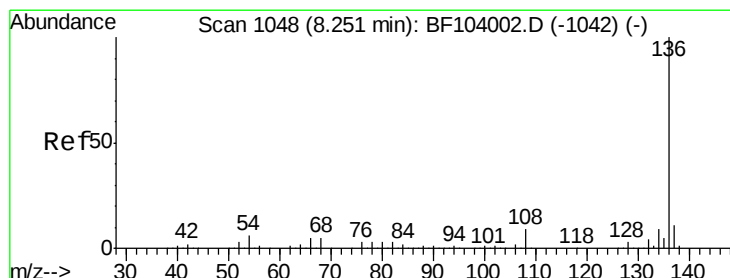
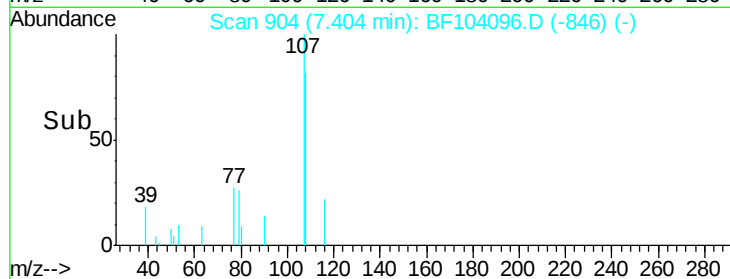
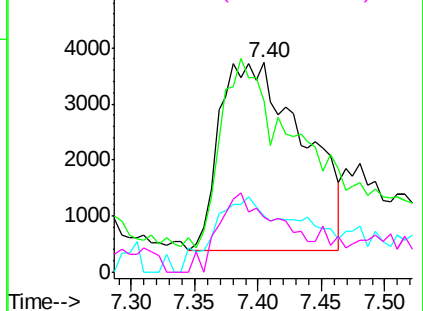
#20
3+4-Methylphenols
Concen: 2.304 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.04 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:107 Resp: 15340
Ion Ratio Lower Upper
107 100
108 81.7 68.2 108.2
77 27.1 26.7 66.7
79 26.3 6.3 46.3

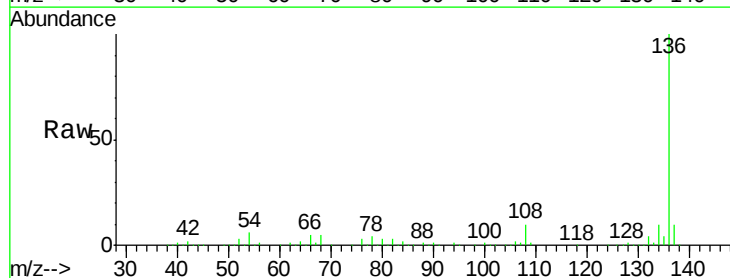


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

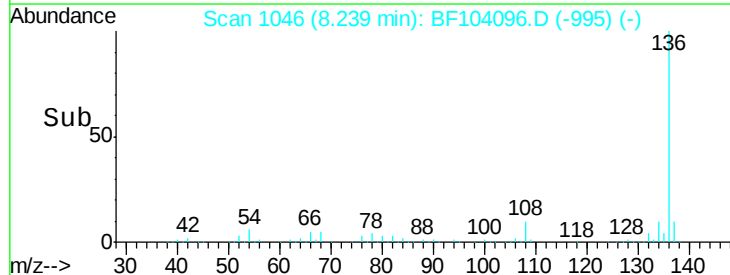
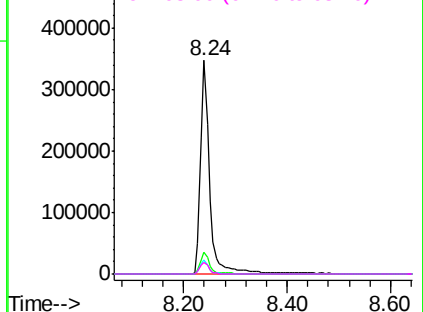


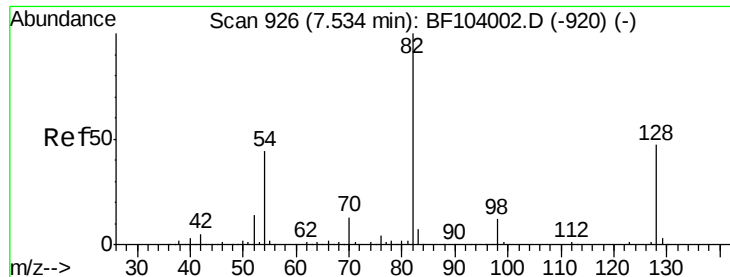
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Tgt Ion:136 Resp: 429726
Ion Ratio Lower Upper
136 100
137 10.4 8.9 13.3
54 6.4 6.6 9.8#
68 5.4 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

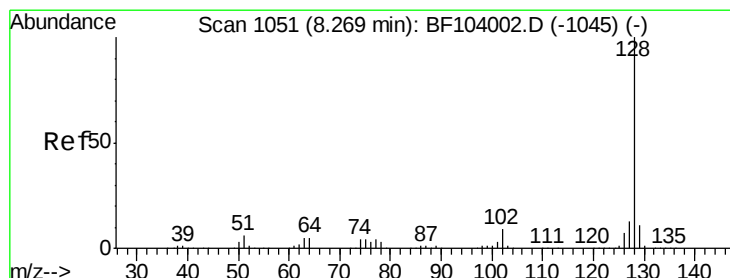
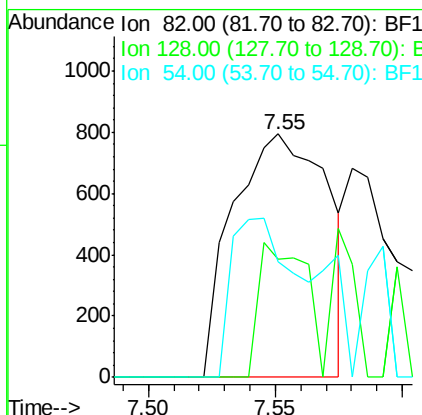
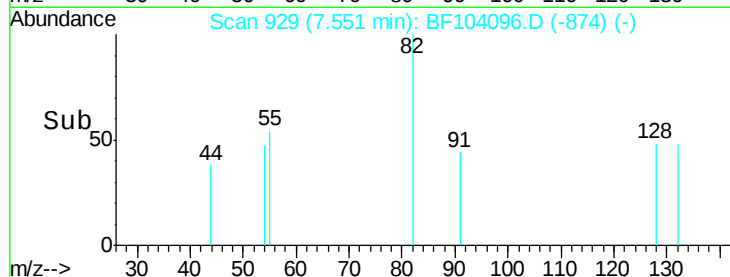
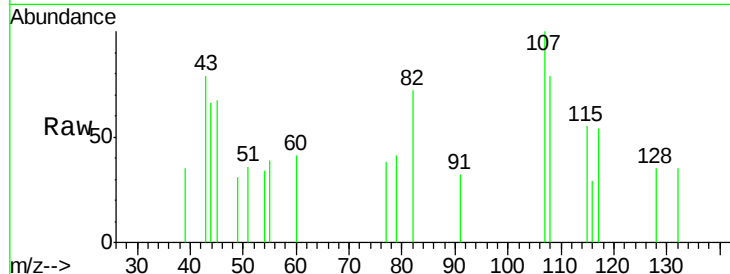




#23
Nitrobenzene-d5
Concen: 0.293 ng
RT: 7.55 min Scan# 929
Delta R.T. 0.02 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

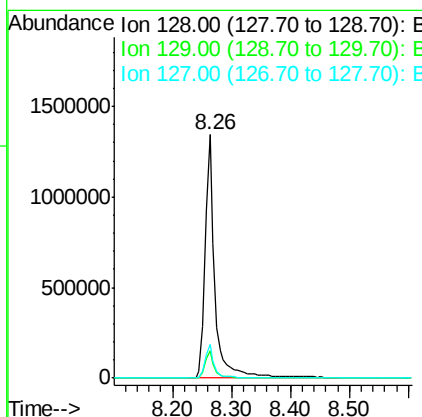
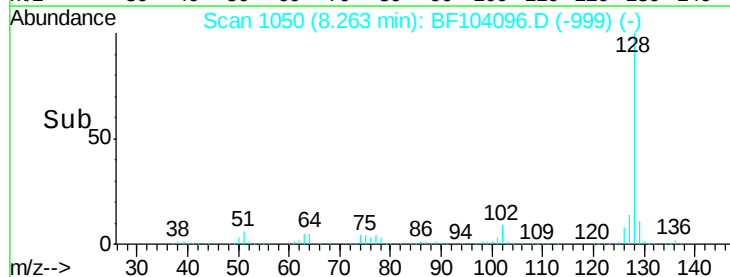
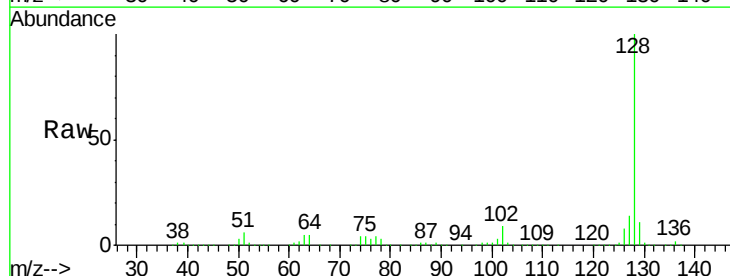
Instrument :
BNA_F
ClientSampleId :

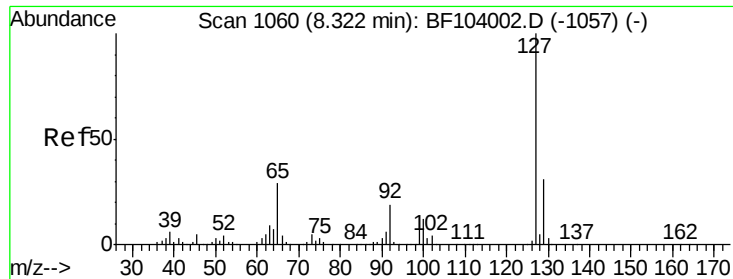
Tot Ion: 82 Resp: 2059
Ion Ratio Lower Upper
82 100
128 48.4 36.1 54.1
54 47.4 41.4 62.2



#31
Naphthalene
Concen: 74.755 ng
RT: 8.26 min Scan# 1050
Delta R.T. 0.00 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Tgt Ion: 128 Resp: 1569372
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.7 10.9 16.3

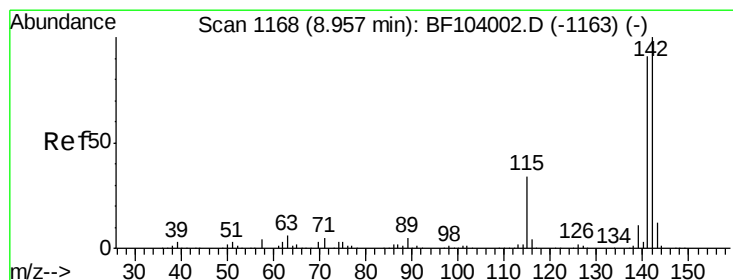
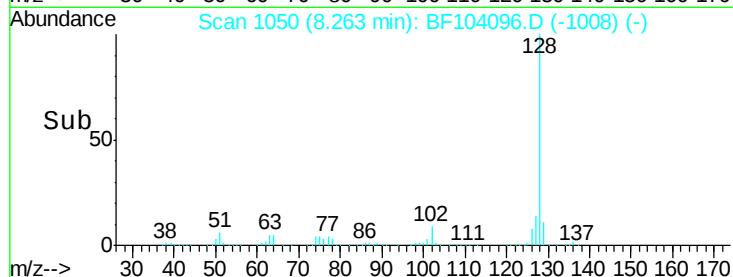
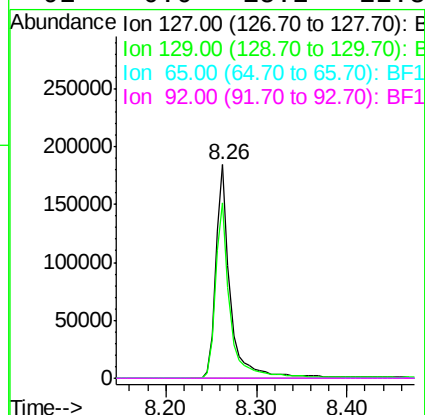
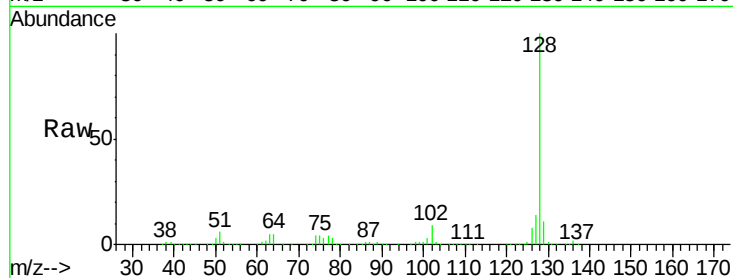




#33
4-Chloroaniline
Concen: 23.259 ng
RT: 8.26 min Scan# 1050
Delta R.T. -0.05 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

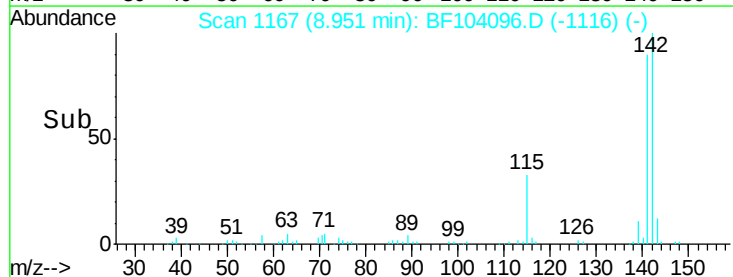
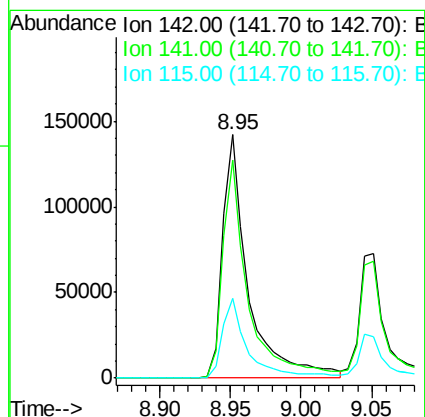
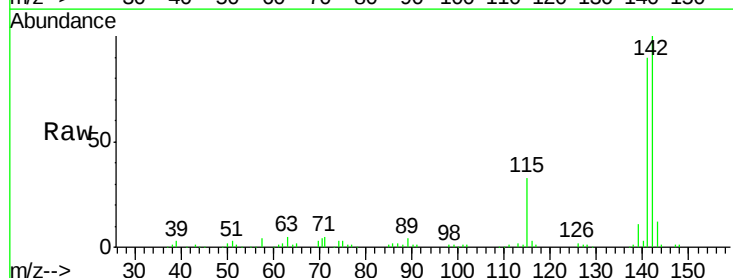
Instrument :
BNA_F
ClientSampleId :

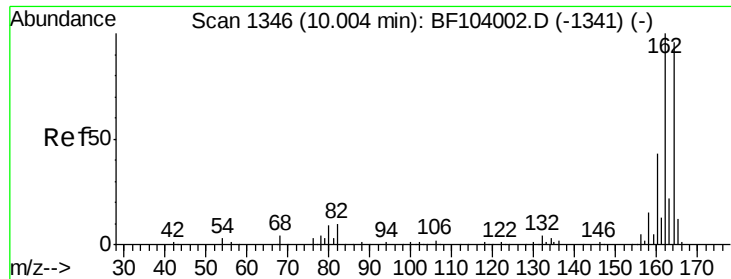
Tot Ion:	127	Resp:	205854
Ion	Ratio	Lower	Upper
127	100		
129	82.2	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#37
2-Methylnaphthalene
Concen: 13.048 ng
RT: 8.95 min Scan# 1167
Delta R.T. 0.00 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Tgt Ion:	142	Resp:	180437
Ion	Ratio	Lower	Upper
142	100		
141	89.7	70.8	106.2
115	32.7	26.1	39.1

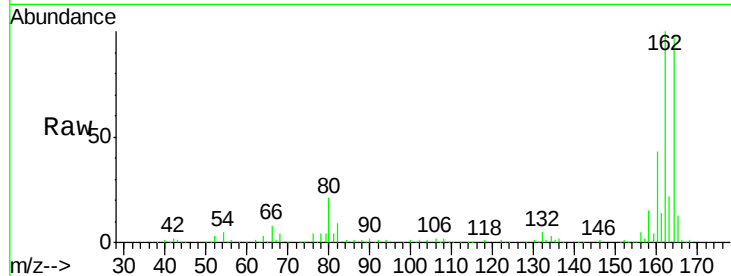




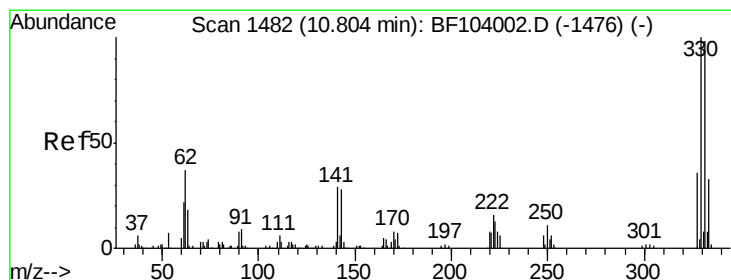
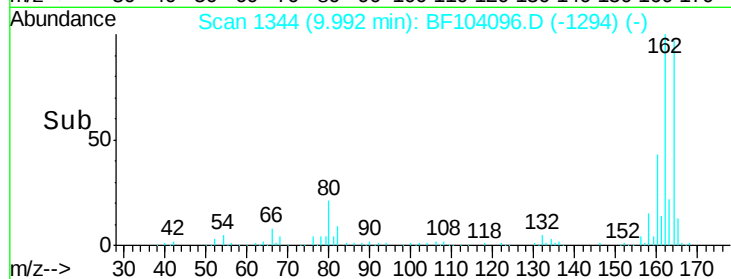
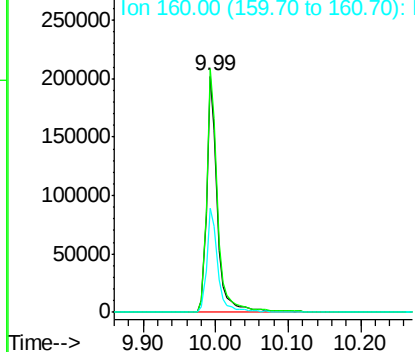
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 209274
Ion Ratio Lower Upper
164 100
162 102.9 86.1 129.1
160 44.2 38.3 57.5

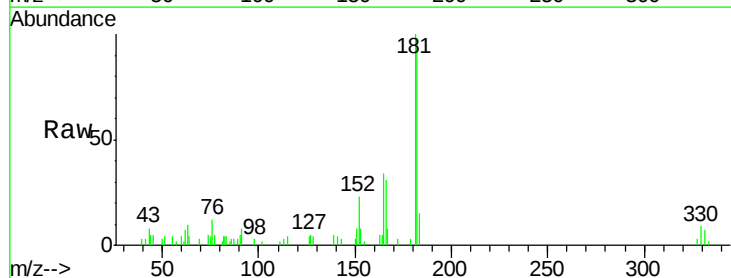


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

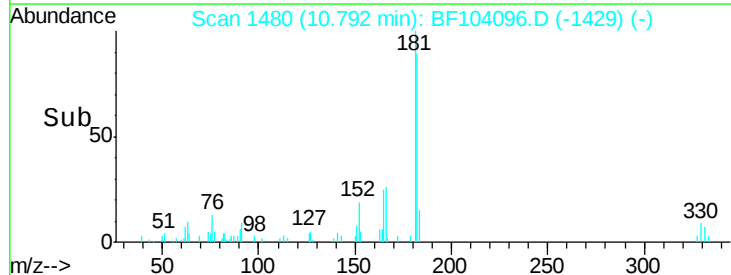
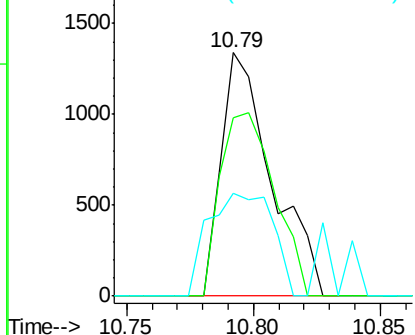


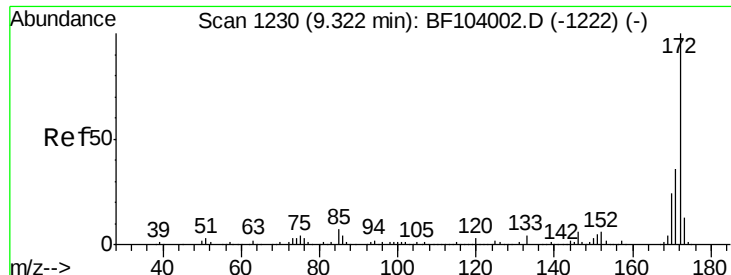
#41
2,4,6-Tribromophenol
Concen: 0.800 ng
RT: 10.79 min Scan# 1480
Delta R.T. 0.00 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Tgt Ion:330 Resp: 1865
Ion Ratio Lower Upper
330 100
332 80.6 77.0 115.6
141 53.7 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

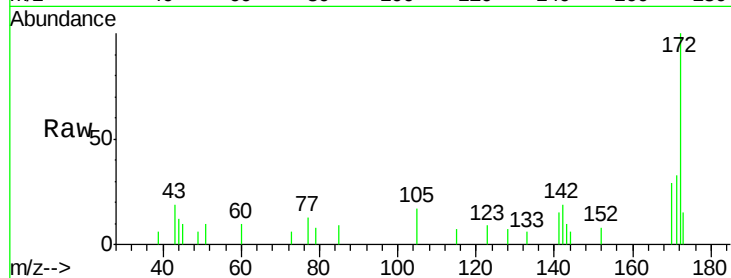




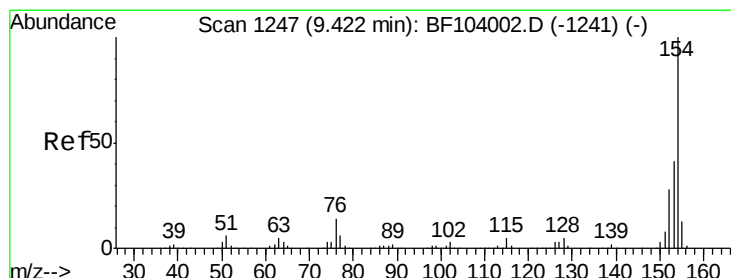
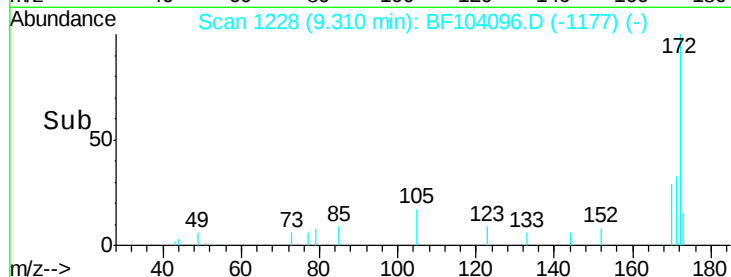
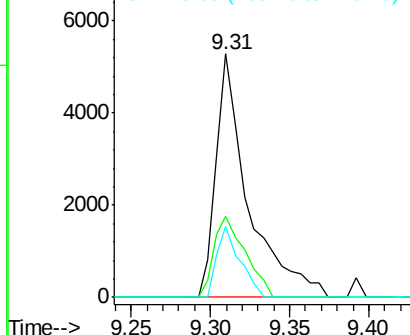
#44
 2-Fluorobiphenyl
 Concen: 0.563 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: BF104096.D
 Acq: 30 Mar 2018 16:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 7466
 Ion Ratio Lower Upper
 172 100
 171 33.3 29.7 44.5
 170 29.1 19.6 29.4

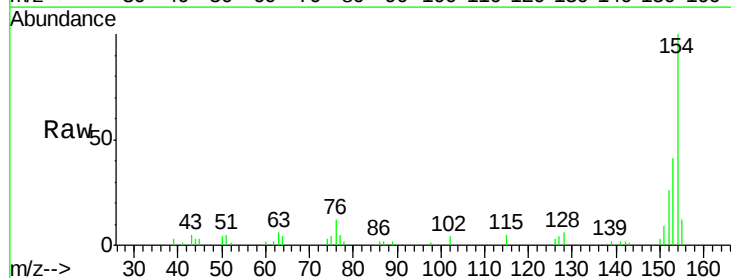


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

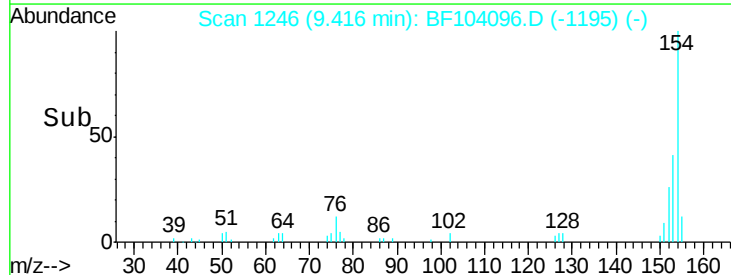
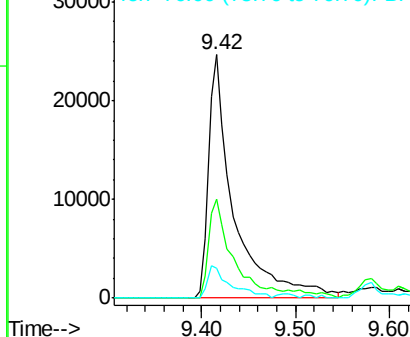


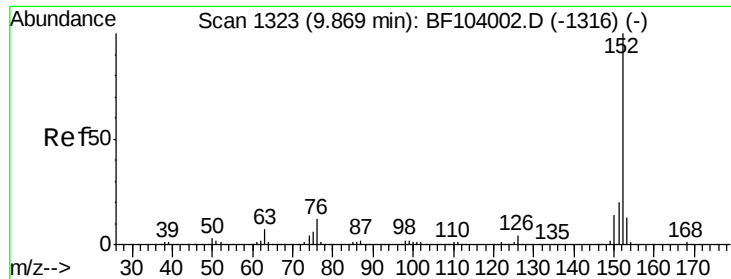
#45
 1,1'-Biphenyl
 Concen: 2.595 ng
 RT: 9.42 min Scan# 1246
 Delta R.T. 0.00 min
 Lab File: BF104096.D
 Acq: 30 Mar 2018 16:54

Tgt Ion:154 Resp: 46618
 Ion Ratio Lower Upper
 154 100
 153 40.6 21.3 61.3
 76 12.5 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: 10.813 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF104096.D

Acq: 30 Mar 2018 16:54

Instrument :

BNA_F

ClientSampled :

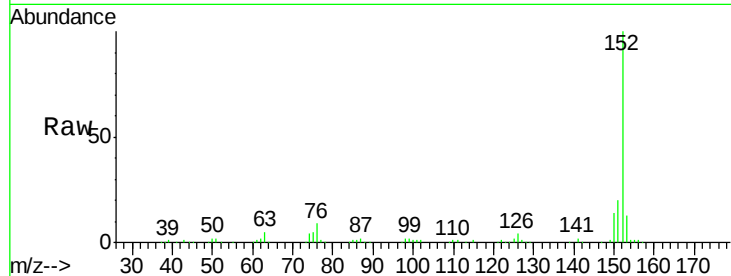
Tot Ion:152 Resp: 232091

Ion Ratio Lower Upper

152 100

151 19.6 16.3 24.5

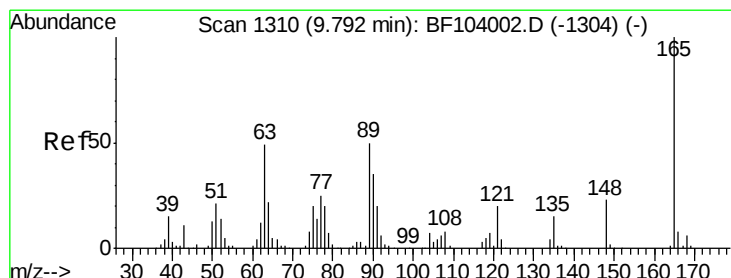
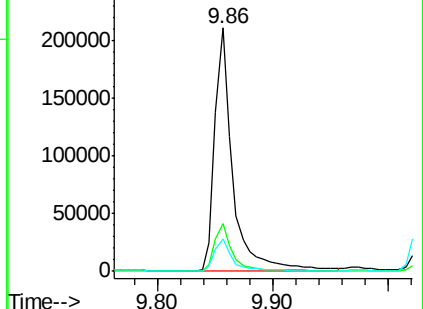
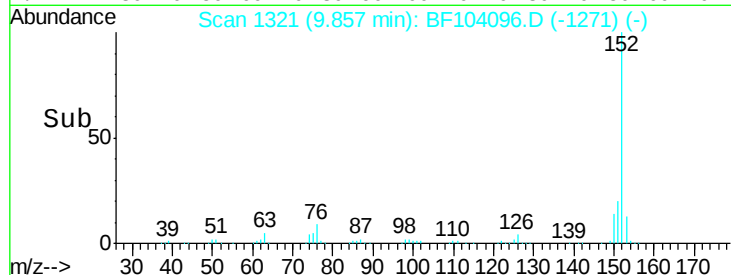
153 13.4 10.7 16.1



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



#50

2,6-Dinitrotoluene

Concen: 7.952 ng

RT: 9.99 min Scan# 1344

Delta R.T. 0.21 min

Lab File: BF104096.D

Acq: 30 Mar 2018 16:54

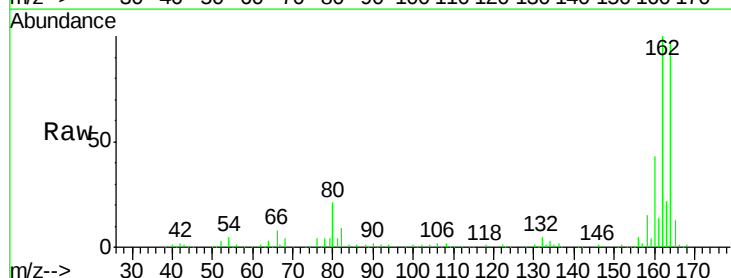
Tgt Ion:165 Resp: 28268

Ion Ratio Lower Upper

165 100

63 1.4 44.7 67.1#

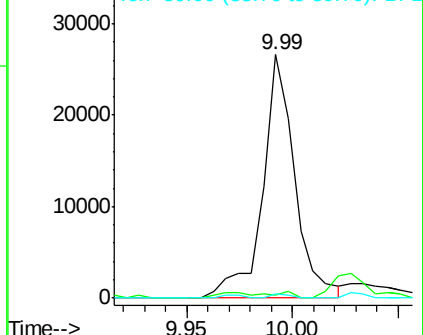
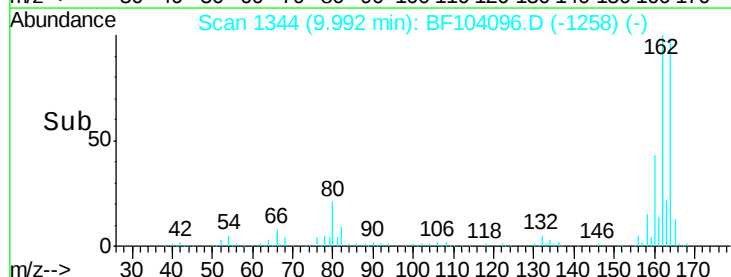
89 1.6 44.0 66.0#

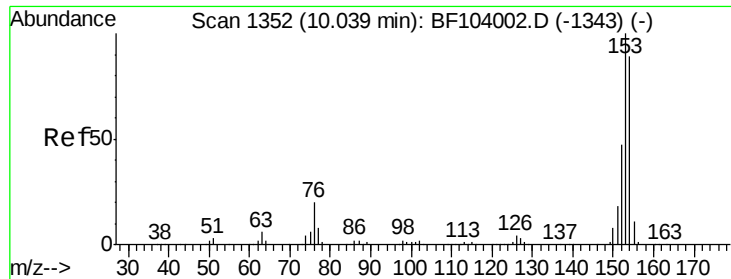


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

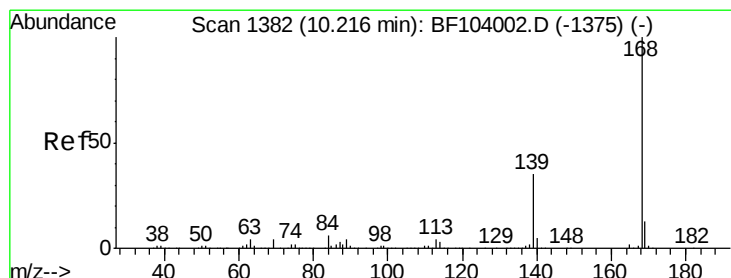
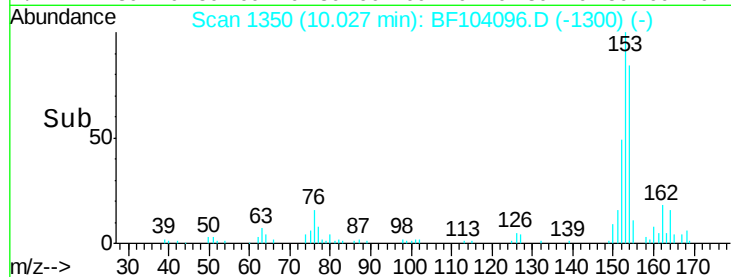
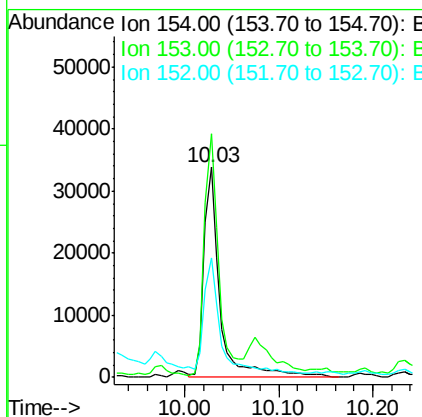
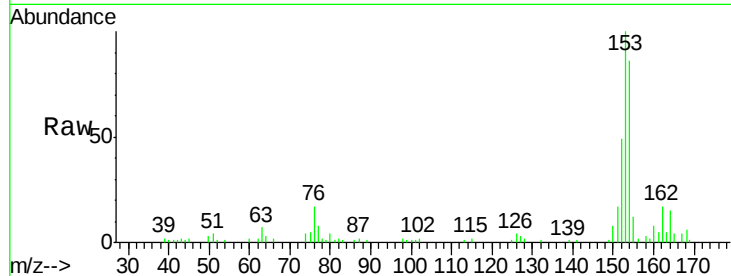




#51
Acenaphthene
Concen: 3.250 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

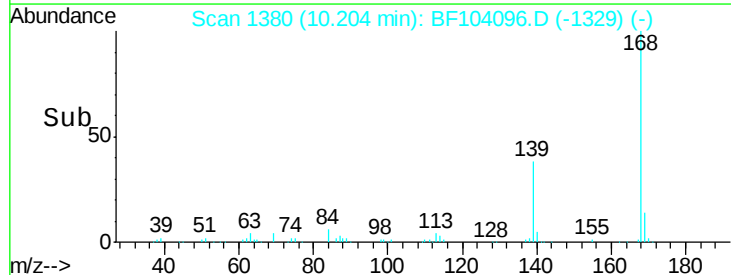
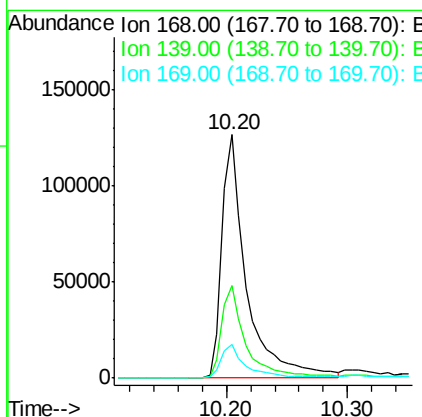
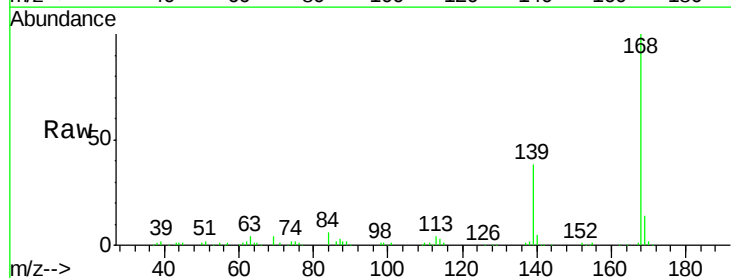
Instrument :
BNA_F
ClientSampled :

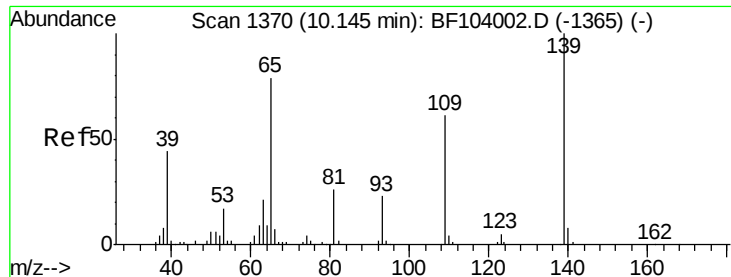
Tot Ion:154 Resp: 40357
Ion Ratio Lower Upper
154 100
153 116.1 91.2 136.8
152 56.8 43.8 65.8



#54
Dibenzofuran
Concen: 9.880 ng
RT: 10.20 min Scan# 1380
Delta R.T. 0.00 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Tgt Ion:168 Resp: 179140
Ion Ratio Lower Upper
168 100
139 37.9 30.1 45.1
169 13.6 10.9 16.3

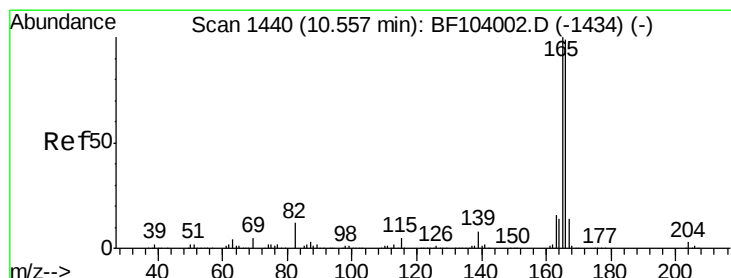
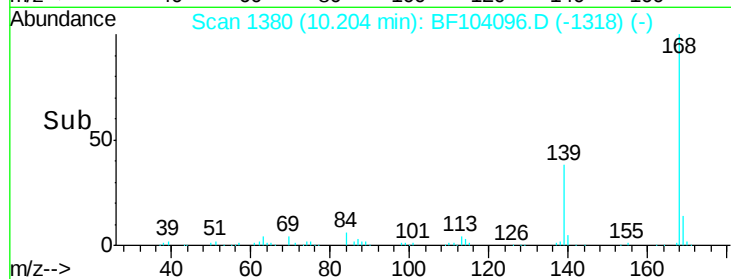
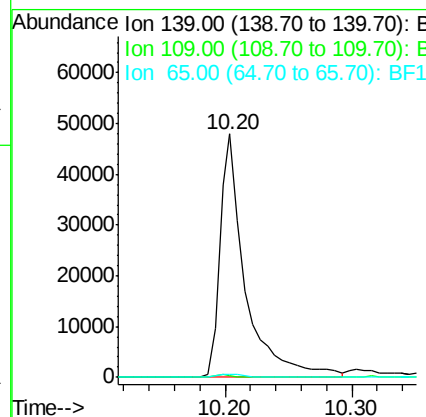
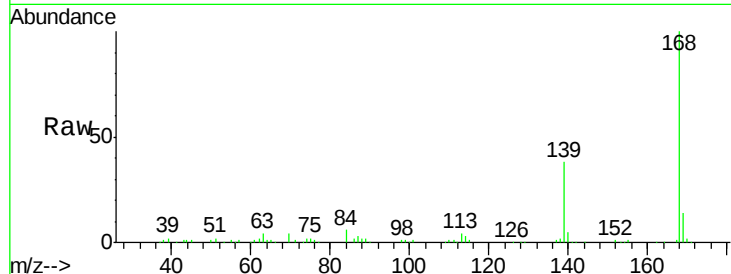




#55
4-Nitrophenol
Concen: 27.353 ng
RT: 10.20 min Scan# 1380
Delta R.T. 0.06 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

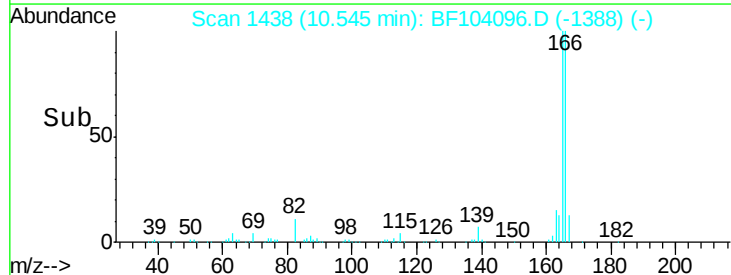
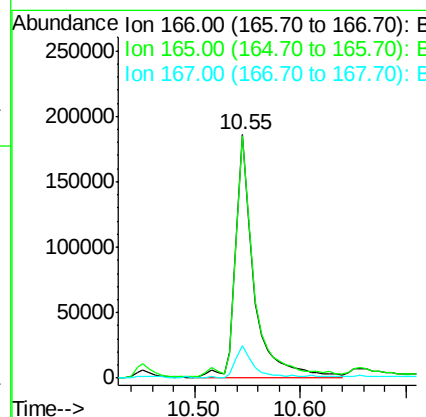
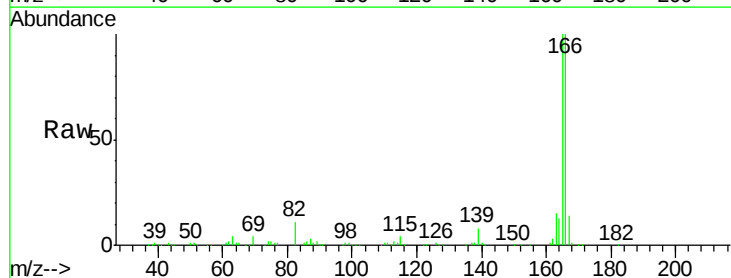
Instrument :
BNA_F
ClientSampleId :

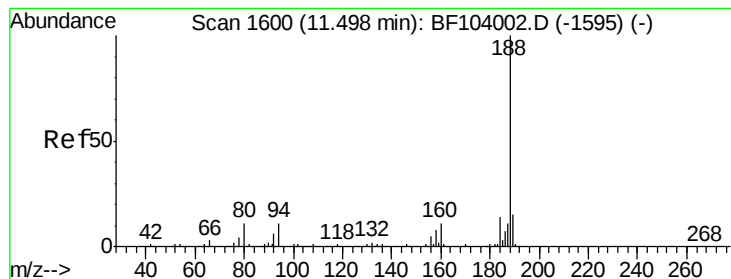
Tot Ion:139 Resp: 67020
Ion Ratio Lower Upper
139 100
109 0.9 48.4 88.4#
65 1.4 72.6 112.6#



#57
Fluorene
Concen: 14.672 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Tgt Ion:166 Resp: 219448
Ion Ratio Lower Upper
166 100
165 99.8 79.8 119.8
167 13.5 10.6 16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1599

Delta R.T. 0.00 min

Lab File: BF104096.D

Acq: 30 Mar 2018 16:54

Instrument :

BNA_F

ClientSampleId :

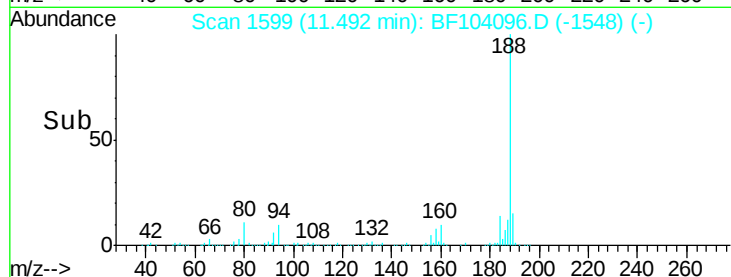
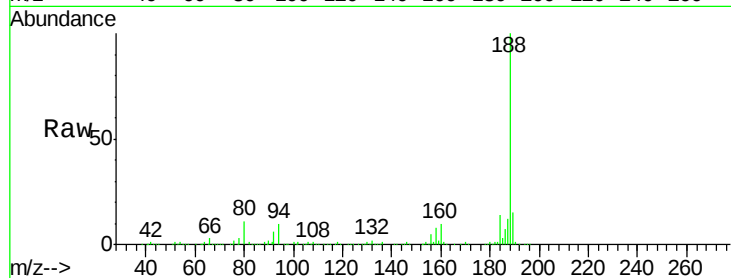
Tot Ion:188 Resp: 389613

Ion Ratio Lower Upper

188 100

94 9.6 8.5 12.7

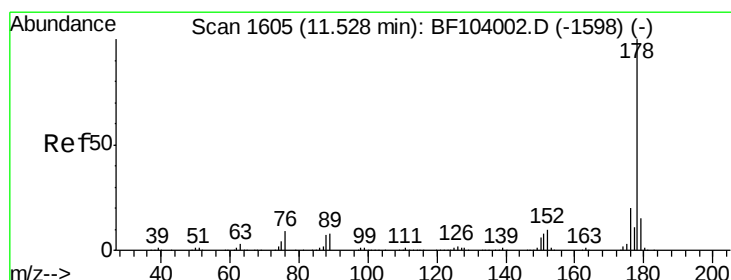
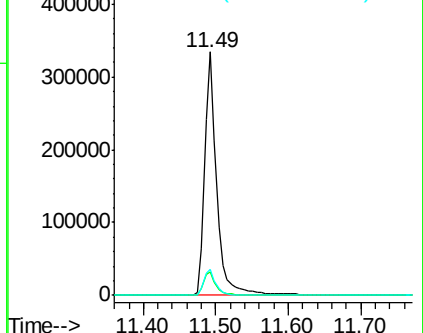
80 10.8 9.2 13.8



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



#70

Phenanthrene

Concen: 37.091 ng

RT: 11.52 min Scan# 1603

Delta R.T. 0.00 min

Lab File: BF104096.D

Acq: 30 Mar 2018 16:54

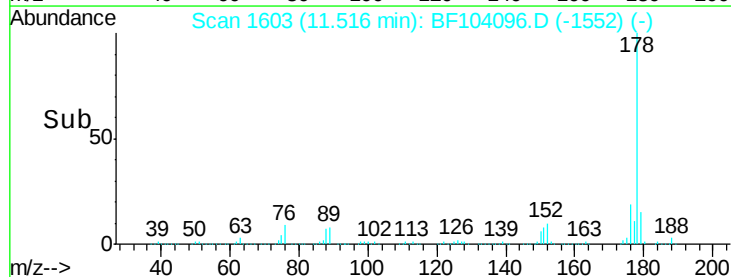
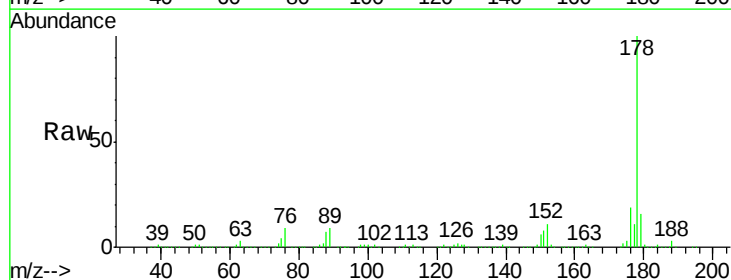
Tgt Ion:178 Resp: 782407

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

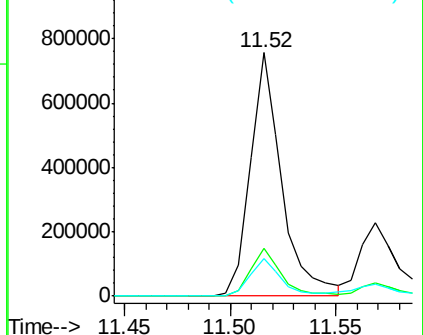
179 15.5 13.0 19.6

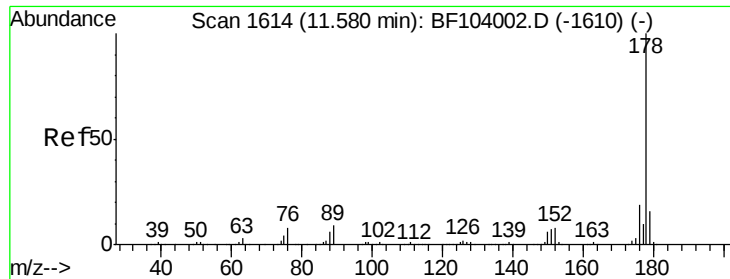


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

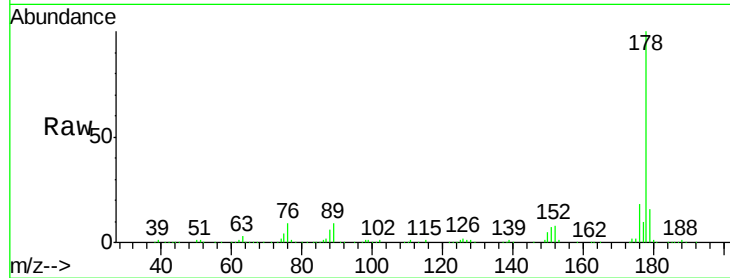




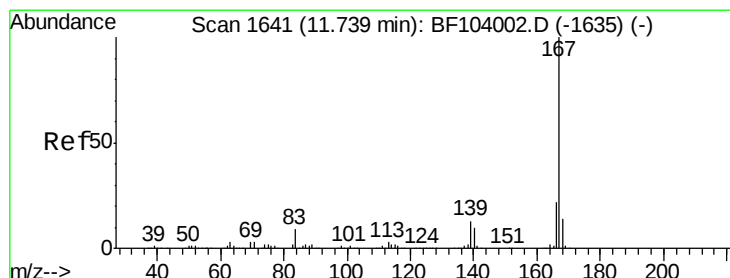
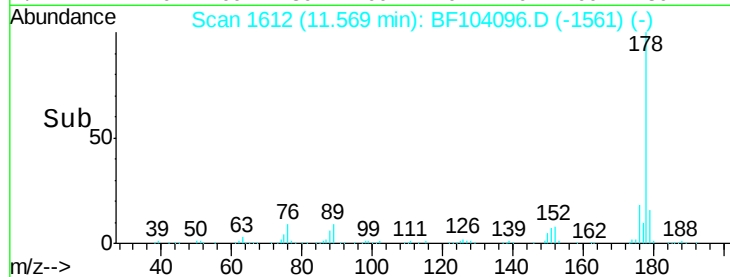
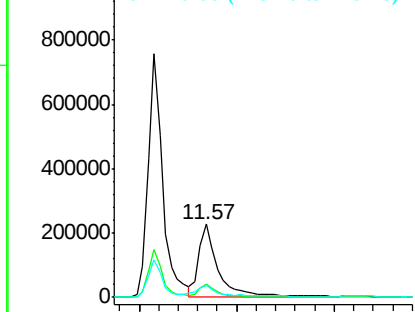
#71
 Anthracene
 Concen: 14.016 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: BF104096.D
 Acq: 30 Mar 2018 16:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 308814
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.4 23.2
 179 15.9 12.6 19.0

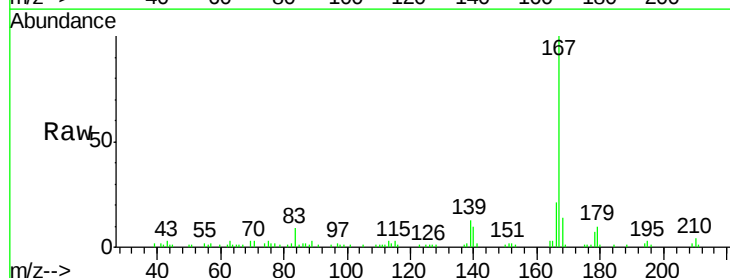


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

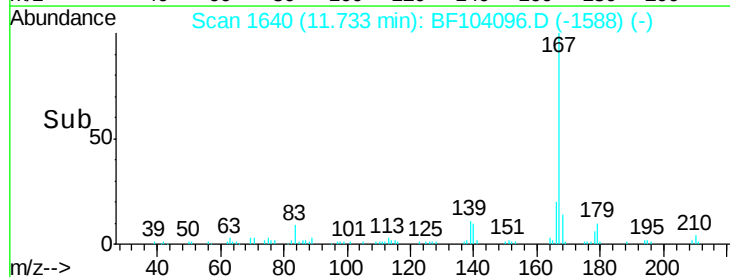
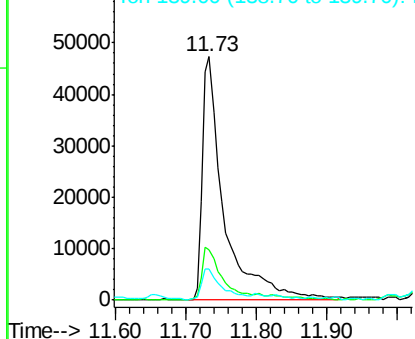


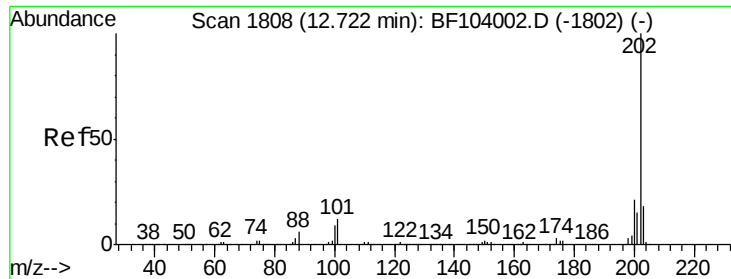
#72
 Carbazole
 Concen: 4.852 ng
 RT: 11.73 min Scan# 1640
 Delta R.T. 0.01 min
 Lab File: BF104096.D
 Acq: 30 Mar 2018 16:54

Tgt Ion:167 Resp: 102026
 Ion Ratio Lower Upper
 167 100
 166 20.8 17.6 26.4
 139 12.5 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: 26.545 ng

RT: 12.71 min Scan# 1806

Delta R.T. 0.00 min

Lab File: BF104096.D

Acq: 30 Mar 2018 16:54

Instrument :

BNA_F

ClientSampleId :

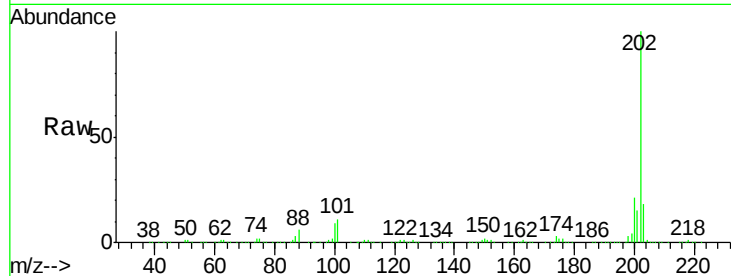
Tot Ion:202 Resp: 595186

Ion Ratio Lower Upper

202 100

101 11.5 0.0 34.1

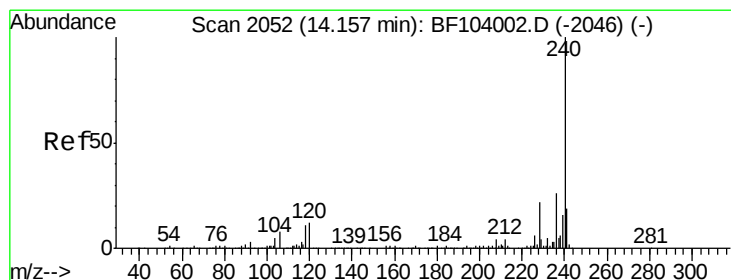
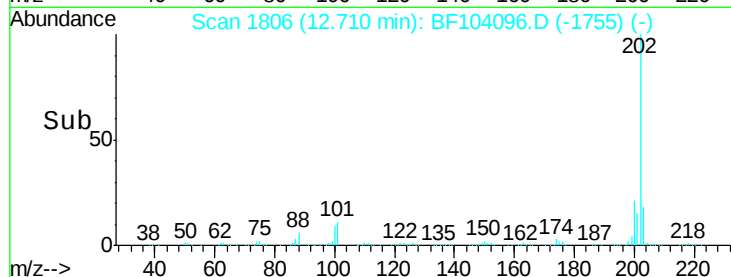
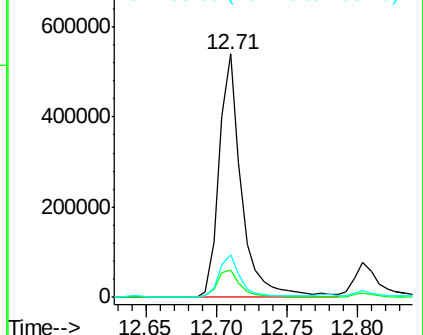
203 17.5 0.0 38.1



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# 2050

Delta R.T. 0.00 min

Lab File: BF104096.D

Acq: 30 Mar 2018 16:54

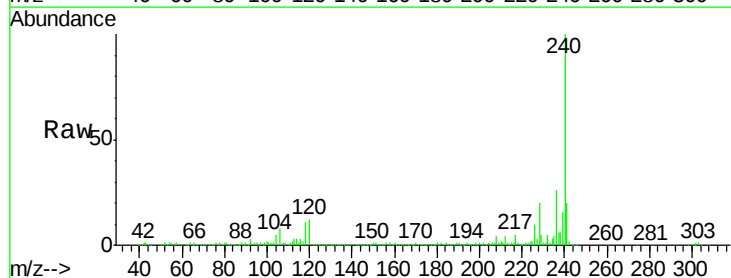
Tgt Ion:240 Resp: 339483

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

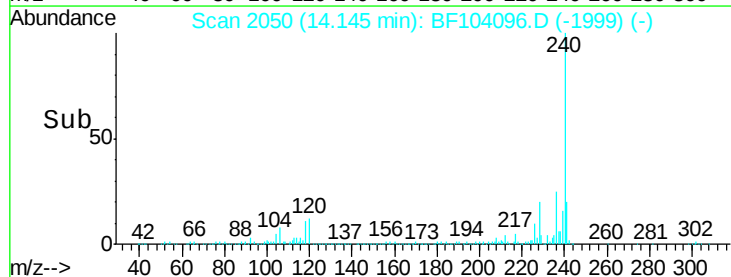
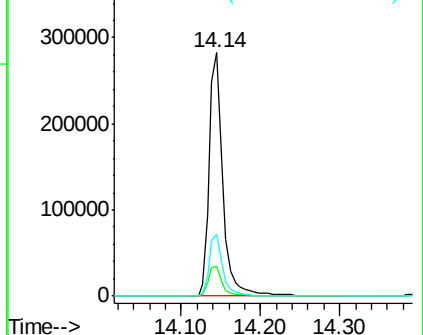
236 25.5 20.7 31.1

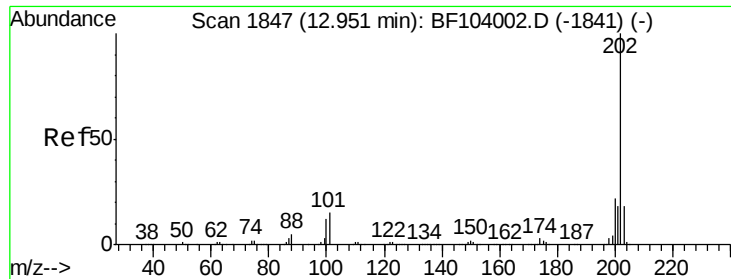


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 19.739 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF104096.D

Acq: 30 Mar 2018 16:54

Instrument :

BNA_F

ClientSampleId :

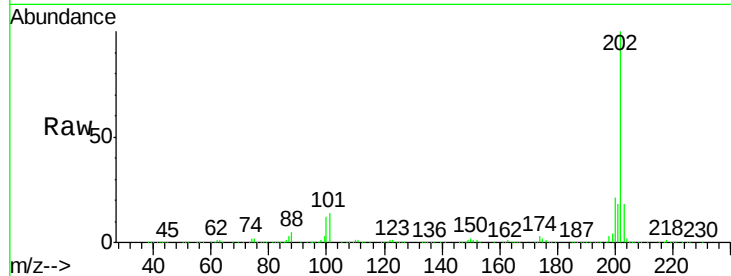
Tot Ion:202 Resp: 481720

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

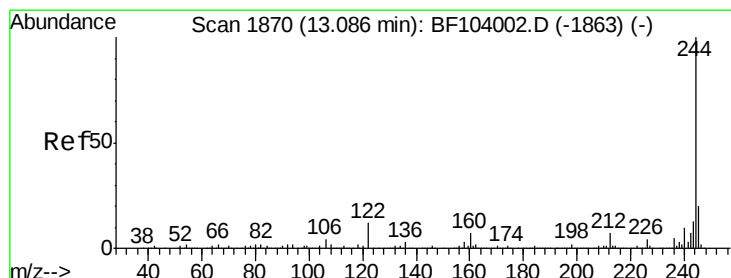
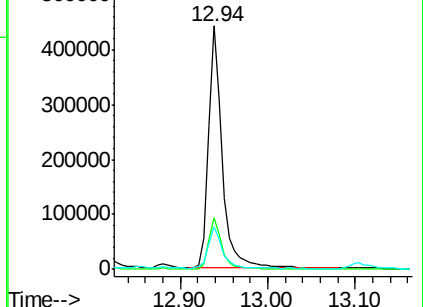
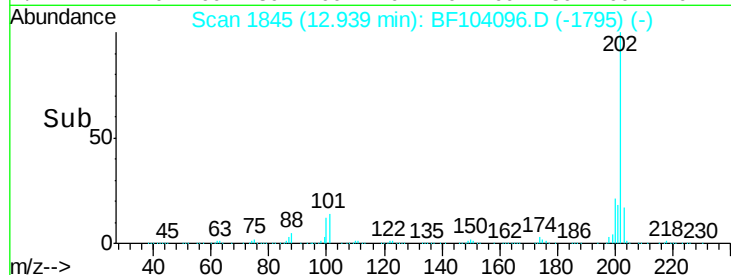
203 17.5 14.3 21.5



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: 0.717 ng

RT: 13.07 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BF104096.D

Acq: 30 Mar 2018 16:54

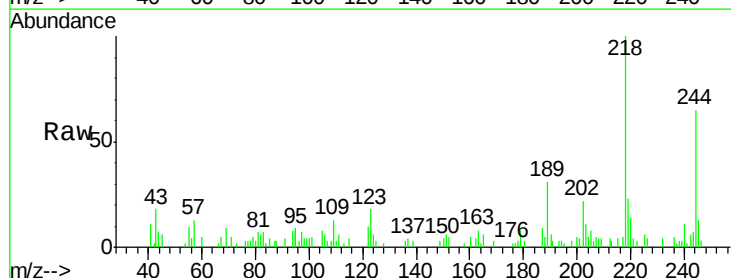
Tgt Ion:244 Resp: 10535

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

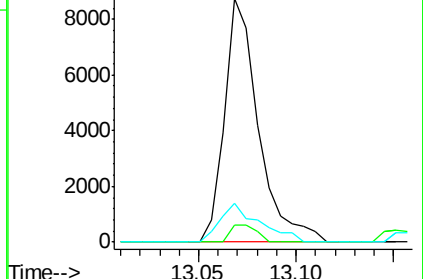
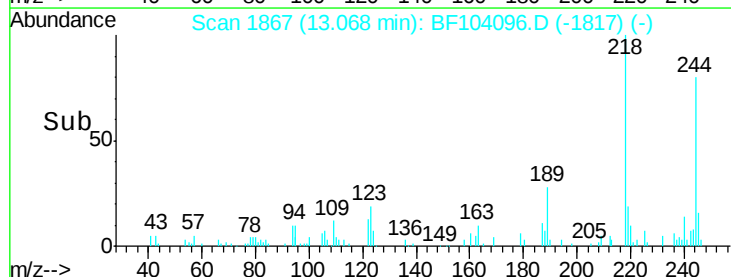
122 15.7 11.0 16.4

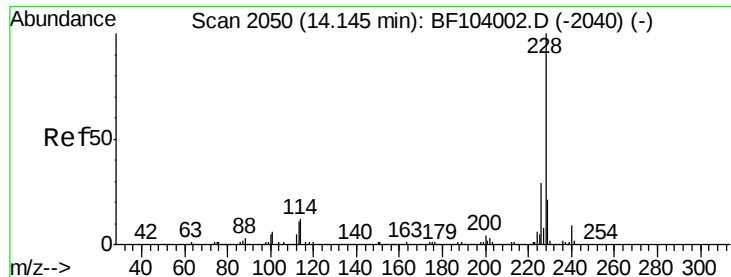


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

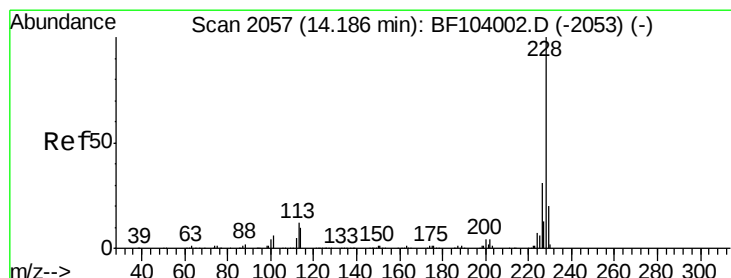
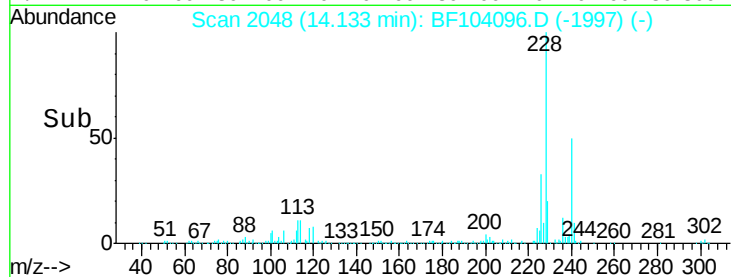
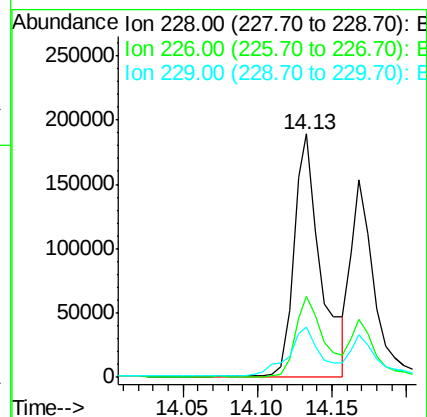
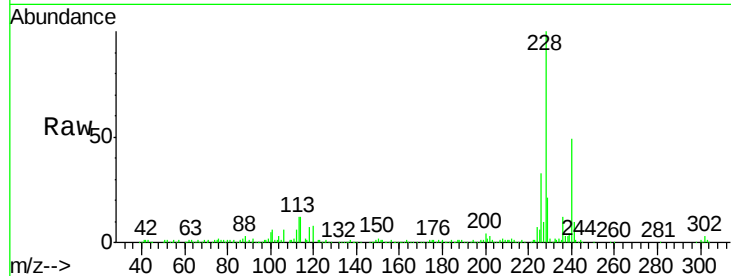




#80
Benzo(a)anthracene
Concen: 11.194 ng
RT: 14.13 min Scan# 2048
Delta R.T. 0.00 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

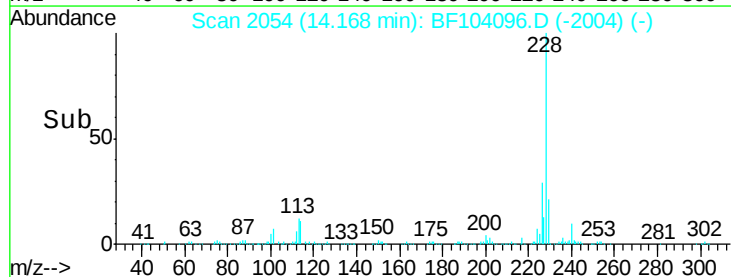
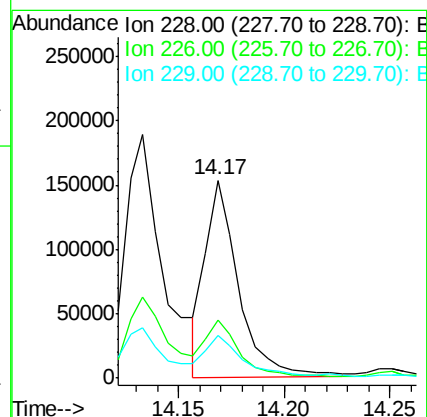
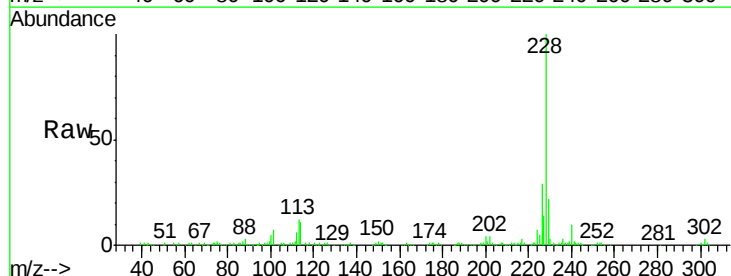
Instrument :
BNA_F
ClientSampleId :

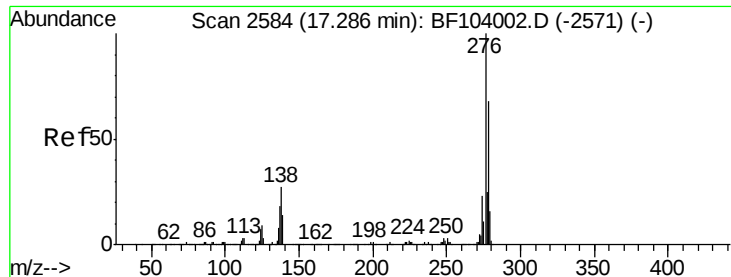
Tot Ion:228 Resp: 237778
Ion Ratio Lower Upper
228 100
226 33.3 22.6 33.8
229 20.8 15.8 23.6



#82
Chrysene
Concen: 8.092 ng
RT: 14.17 min Scan# 2054
Delta R.T. -0.01 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Tgt Ion:228 Resp: 168357
Ion Ratio Lower Upper
228 100
226 29.2 25.0 37.6
229 21.7 16.2 24.4

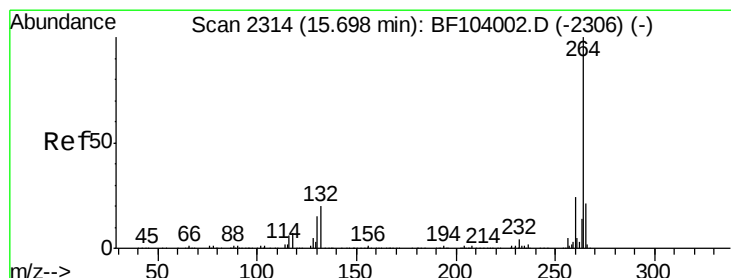
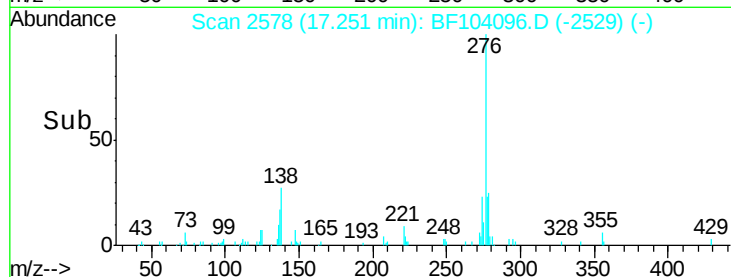
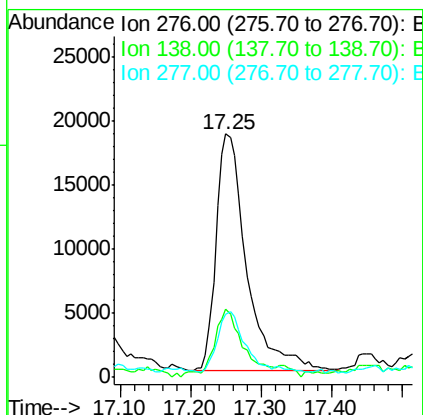
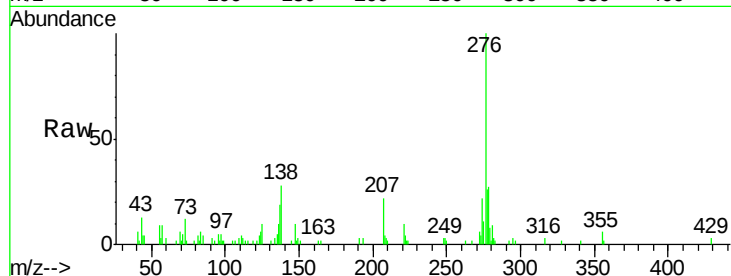




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.581 ng
RT: 17.25 min Scan# 2578
Delta R.T. -0.01 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

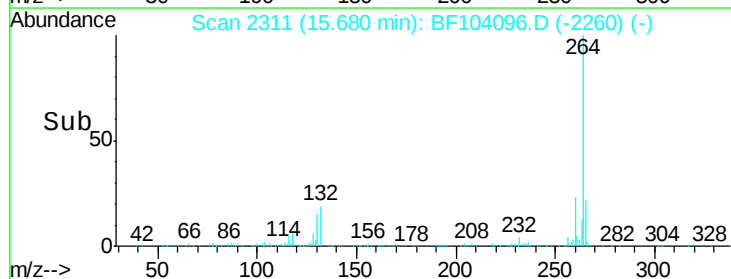
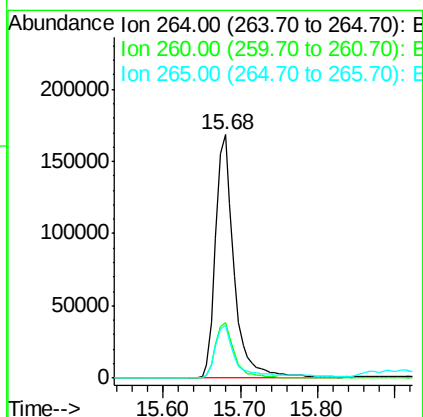
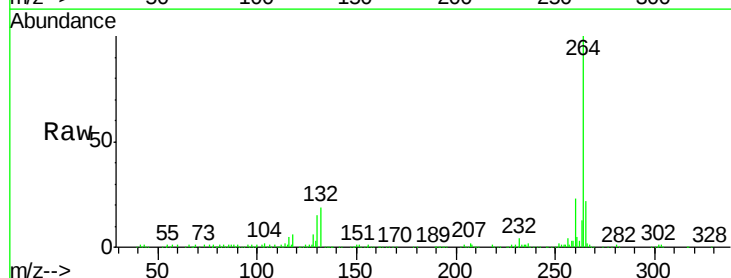
Instrument :
BNA_F
ClientSampleId :

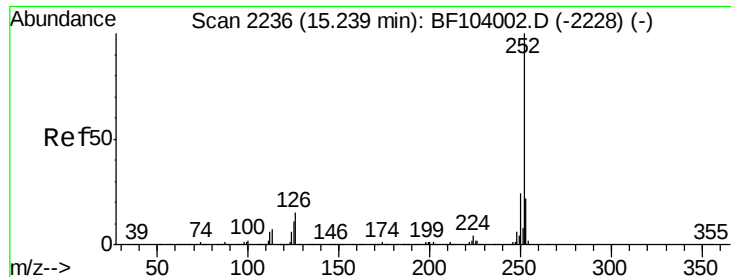
Tot Ion:276 Resp: 55656
Ion Ratio Lower Upper
276 100
138 23.2 25.0 37.6#
277 22.3 20.1 30.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2311
Delta R.T. 0.00 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Tgt Ion:264 Resp: 281456
Ion Ratio Lower Upper
264 100
260 22.7 19.2 28.8
265 21.8 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 13.900 ng

RT: 15.22 min Scan# 2233

Delta R.T. 0.00 min

Lab File: BF104096.D

Acq: 30 Mar 2018 16:54

Instrument :

BNA_F

ClientSampleId :

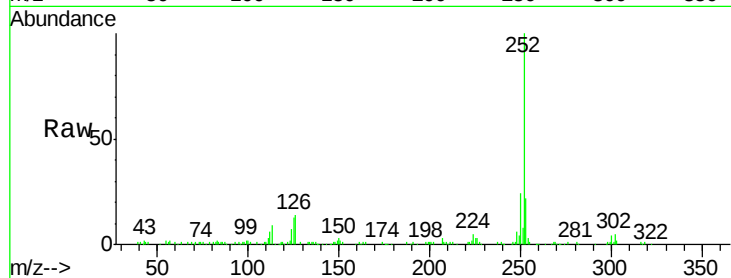
Tot Ion:252 Resp: 238102

Ion Ratio Lower Upper

252 100

253 21.6 17.0 25.6

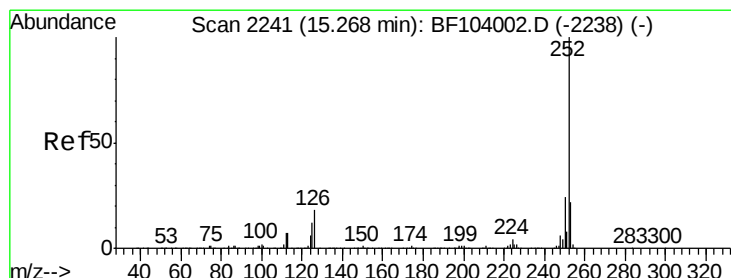
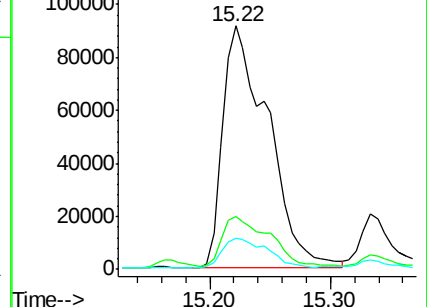
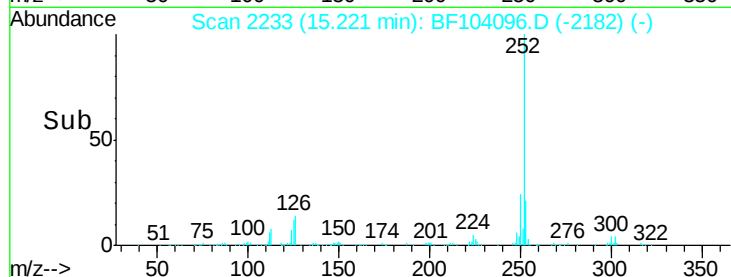
125 12.7 9.0 13.6



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: 14.756 ng

RT: 15.22 min Scan# 2233

Delta R.T. -0.04 min

Lab File: BF104096.D

Acq: 30 Mar 2018 16:54

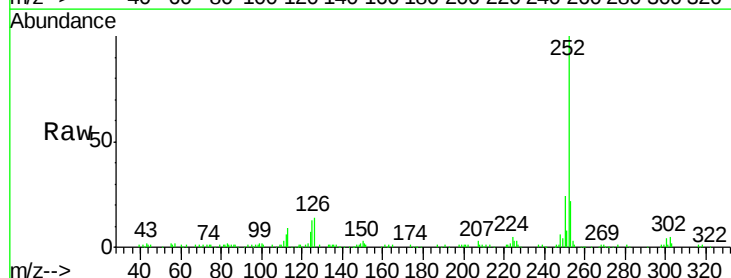
Tgt Ion:252 Resp: 238102

Ion Ratio Lower Upper

252 100

253 21.6 17.9 26.9

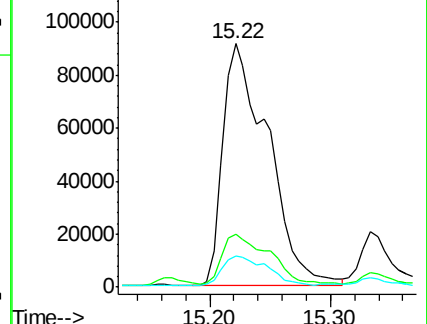
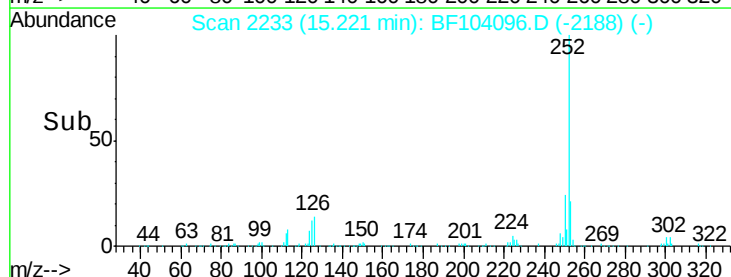
125 12.7 10.2 15.2

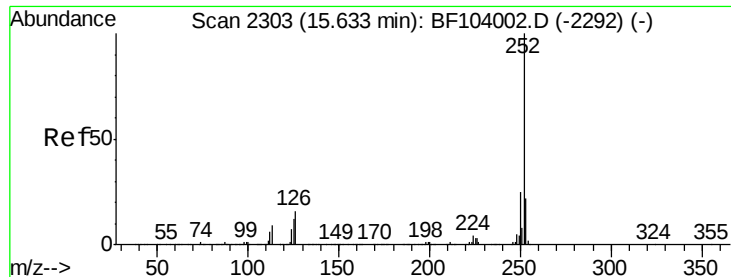


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 8.625 ng

RT: 15.61 min Scan# 2299

Delta R.T. -0.01 min

Lab File: BF104096.D

Acq: 30 Mar 2018 16:54

Instrument :

BNA_F

ClientSampleId :

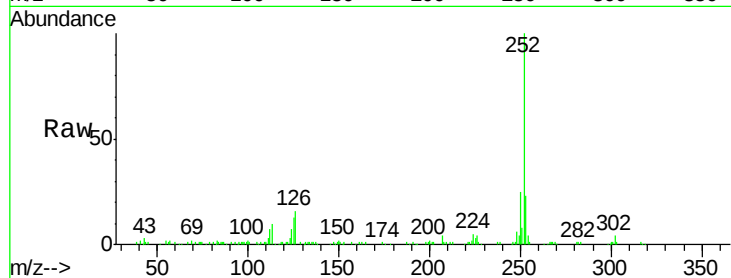
Tot Ion:252 Resp: 136907

Ion Ratio Lower Upper

252 100

253 23.5 17.1 25.7

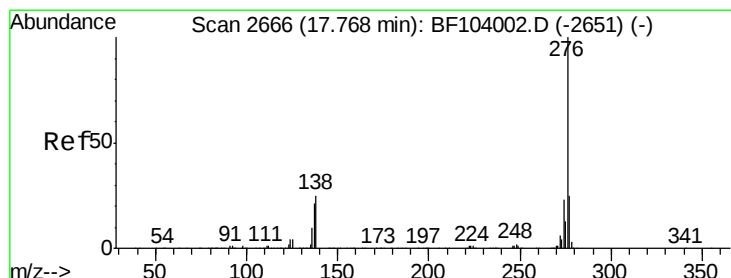
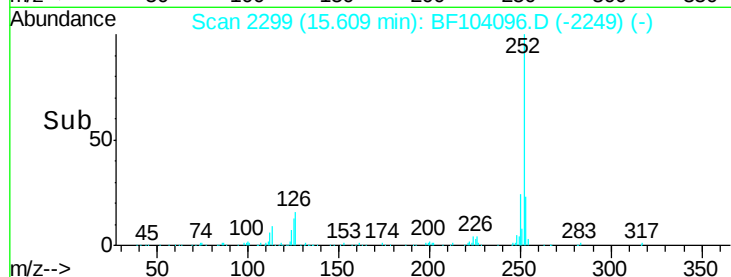
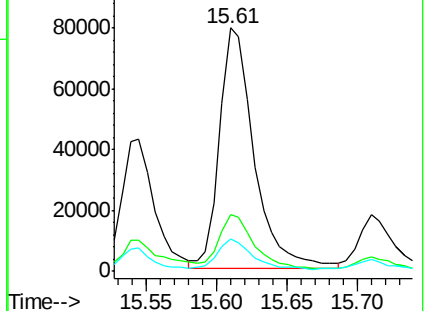
125 13.4 9.8 14.6



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



#91

Benzo(g,h,i)perylene

Concen: 3.248 ng

RT: 17.73 min Scan# 2660

Delta R.T. -0.01 min

Lab File: BF104096.D

Acq: 30 Mar 2018 16:54

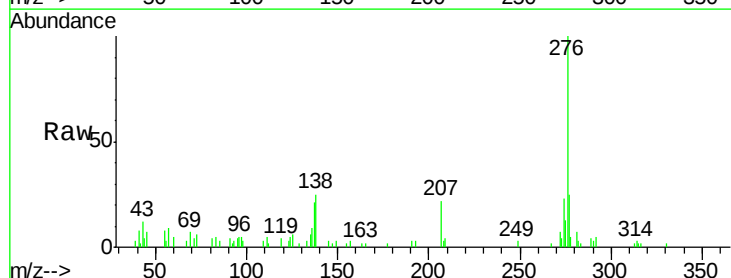
Tgt Ion:276 Resp: 47739

Ion Ratio Lower Upper

276 100

277 25.2 17.9 26.9

138 25.0 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

