

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
 Data File : BF101101.D
 Acq On : 4 Dec 2017 16:42
 Operator : SJ/JU
 Sample : I6696-03 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 04 17:18:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	46287	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	171402	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	79138	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	121300	20.00	ng	0.00
75) Chrysene-d12	14.03	240	102900	20.00	ng	0.00
86) Perylene-d12	15.50	264	106481	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	63096	22.53	ng	0.00
7) Phenol-d6	6.47	99	75206	22.11	ng	0.00
23) Nitrobenzene-d5	7.41	82	42462	14.78	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	14621	15.38	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	86924	15.03	ng	0.00
78) Terphenyl-d14	12.96	244	65244	13.87	ng	0.00

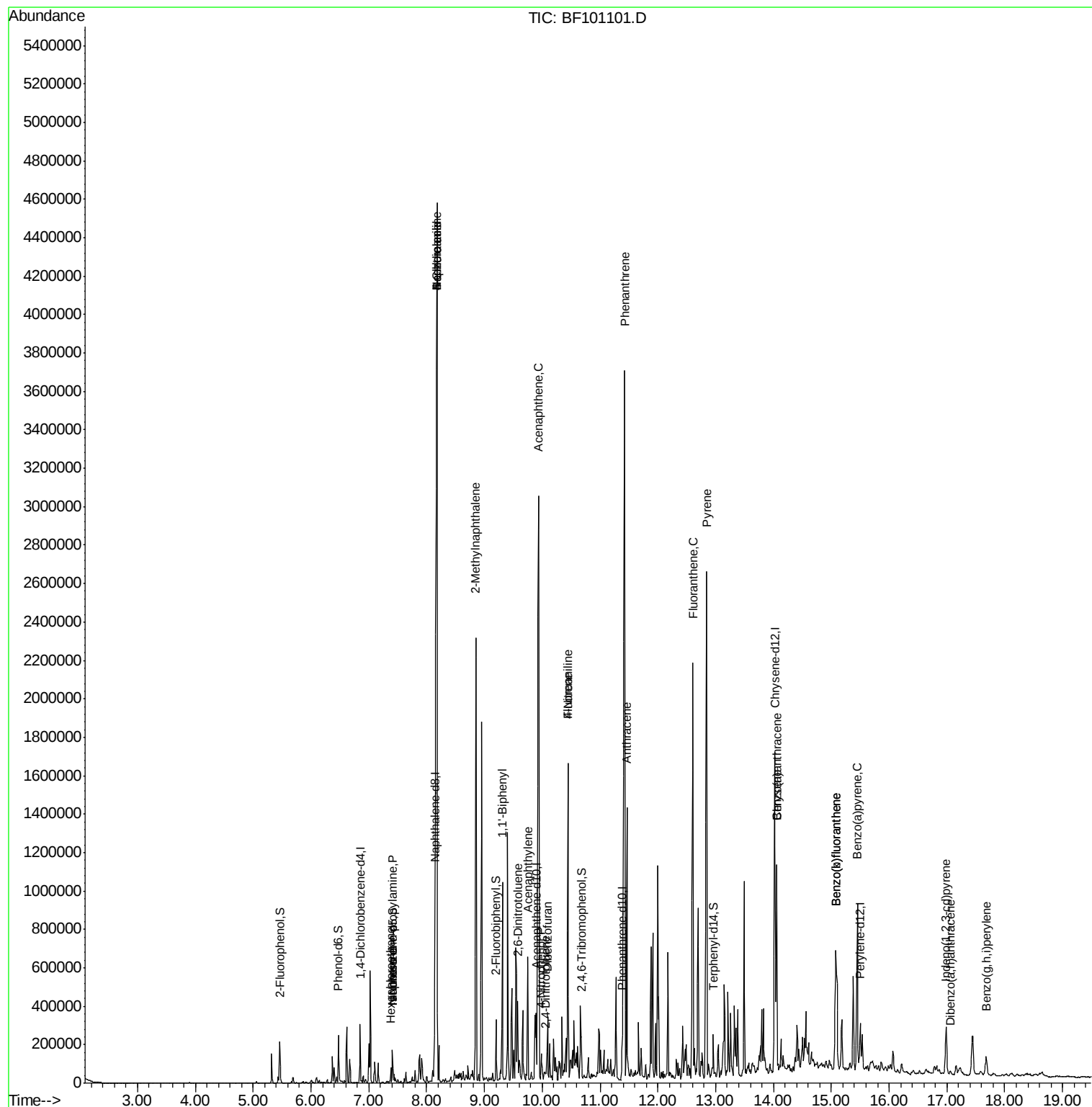
Target Compounds						Qvalue
18) Hexachloroethane	7.38	117	4912	4.15	ng	# 1
19) n-Nitroso-di-n-propylamine	7.41	70	5695	2.49	ng	# 82
25) Isophorone	7.41	82	42202	8.60	ng	# 64
31) Naphthalene	8.18	128	3468465	410.59	ng	99
32) Benzoic acid	8.18	122	8622	4.96	ng	# 1
33) 4-Chloroaniline	8.18	127	483845	142.55	ng	# 37
37) 2-Methylnaphthalene	8.85	142	754932	131.52	ng	98
45) 1,1'-Biphenyl	9.31	154	316606	43.67	ng	97
48) Acenaphthylene	9.75	152	221958	26.23	ng	98
50) 2,6-Dinitrotoluene	9.57	165	2725	2.03	ng	# 1
51) Acenaphthene	9.93	154	917460	181.06	ng	100
54) Dibenzofuran	10.09	168	82552	11.31	ng	# 95
55) 4-Nitrophenol	9.99	139	3380	3.32	ng	# 21
56) 2,4-Dinitrotoluene	10.06	165	4409	2.45	ng	# 40
57) Fluorene	10.45	166	489622	82.48	ng	100
61) 4-Nitroaniline	10.45	138	5074	3.23	ng	# 23
70) Phenanthrene	11.43	178	2229460	333.75	ng	99
71) Anthracene	11.46	178	537718	79.54	ng	98
74) Fluoranthene	12.60	202	1110723	150.00	ng	97
77) Pvrene	12.85	202	1469778	207.00	ng	99
80) Benzo(a)anthracene	14.06	228	389557	59.96	ng	97
82) Chrysene	14.06	228	389557	64.56	ng	99
85) Indeno(1,2,3-cd)pyrene	16.99	276	162980	30.38	ng	# 88
87) Benzo(b)fluoranthene	15.07	252	553711	86.82	ng	99
88) Benzo(k)fluoranthene	15.07	252	553711	88.12	ng	97
89) Benzo(a)pyrene	15.45	252	455022	78.47	ng	97
90) Dibenzo(a,h)anthracene	17.06	278	13961	2.73	ng	95
91) Benzo(g,h,i)perylene	17.68	276	83844	17.40	ng	93

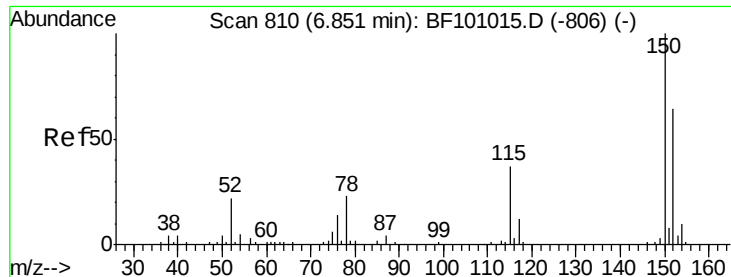
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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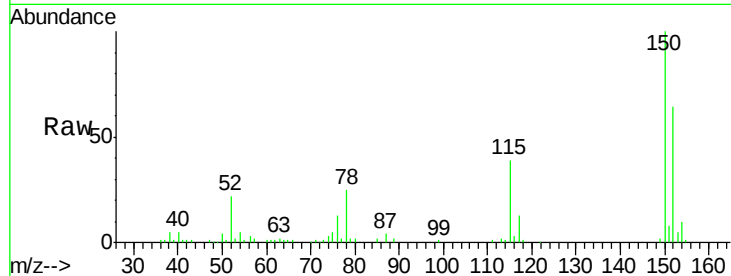


#1

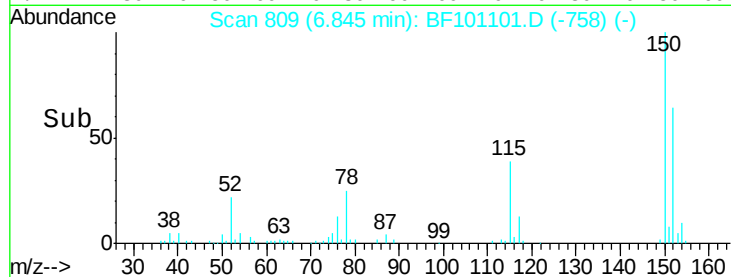
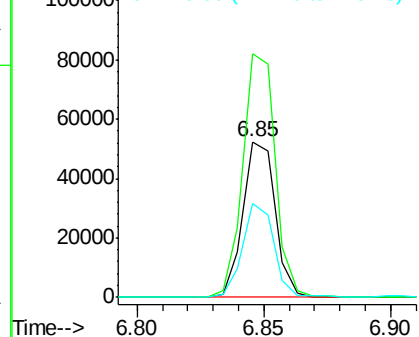
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 46287
Ion Ratio Lower Upper
152 100
150 156.3 124.6 186.8
115 60.6 50.1 75.1



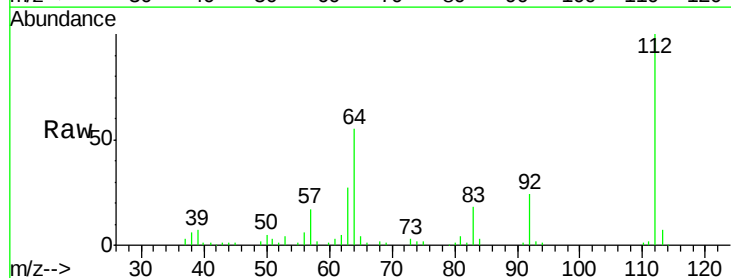
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



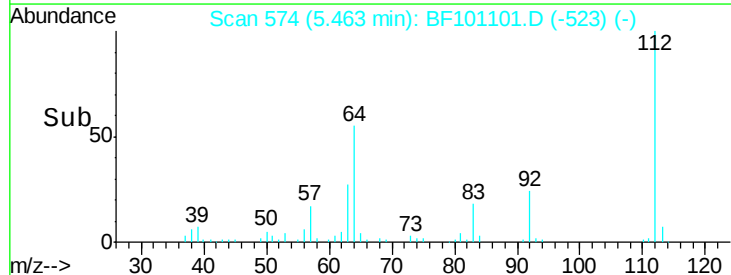
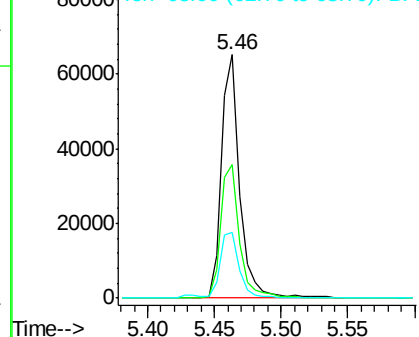
#5

2-Fluorophenol
Concen: 22.53 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Tgt Ion:112 Resp: 63096
Ion Ratio Lower Upper
112 100
64 54.7 47.9 71.9
63 27.2 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: 22.11 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

Instrument :

BNA_F

ClientSampleId :

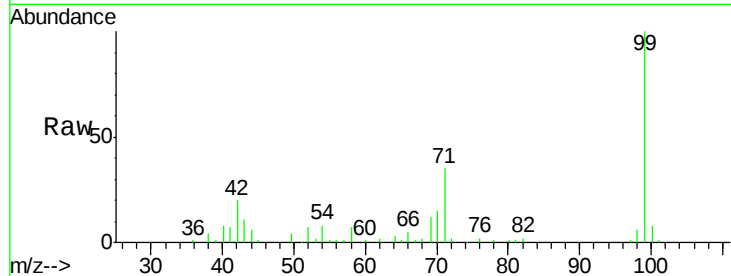
Tot Ion: 99 Resp: 75206

Ion Ratio Lower Upper

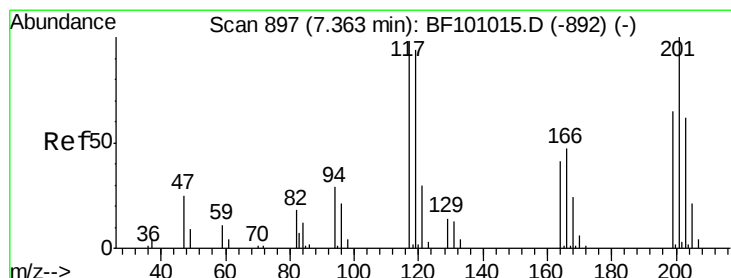
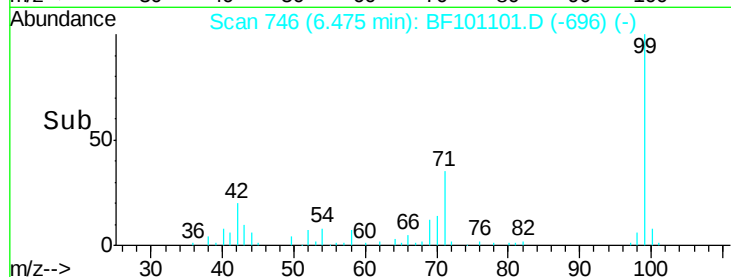
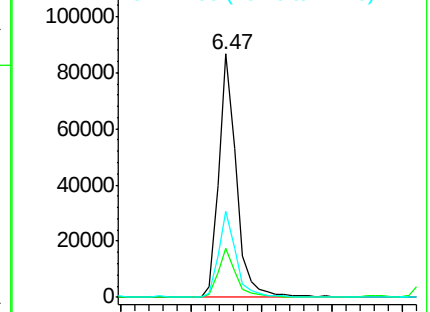
99 100

42 19.9 14.5 21.7

71 35.5 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: 4.15 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.02 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

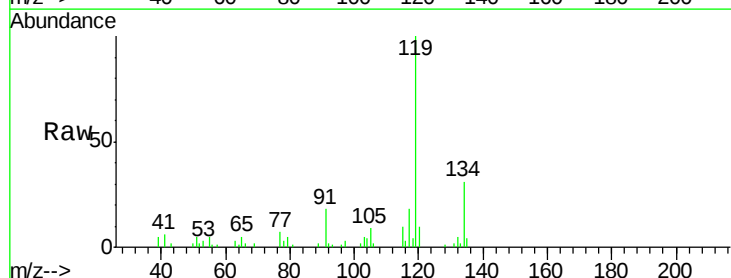
Tgt Ion: 117 Resp: 4912

Ion Ratio Lower Upper

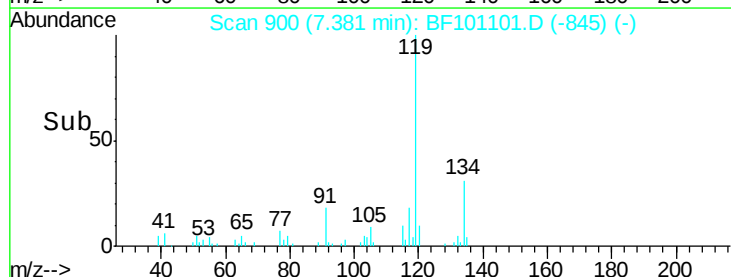
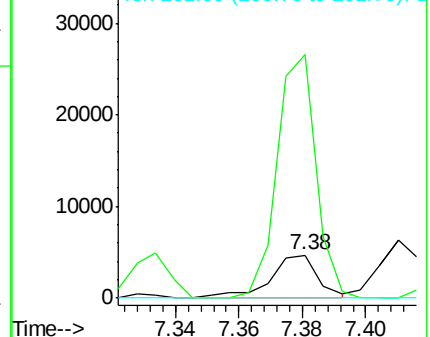
117 100

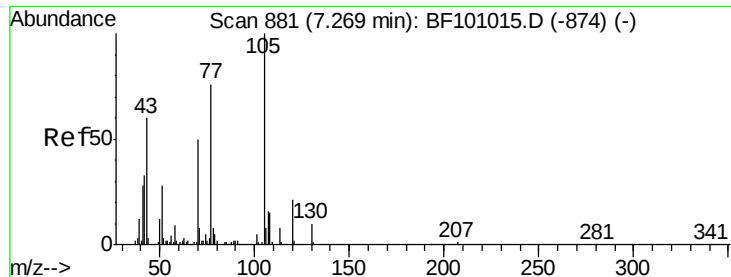
119 563.6 75.8 113.8#

201 0.0 75.7 113.5#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

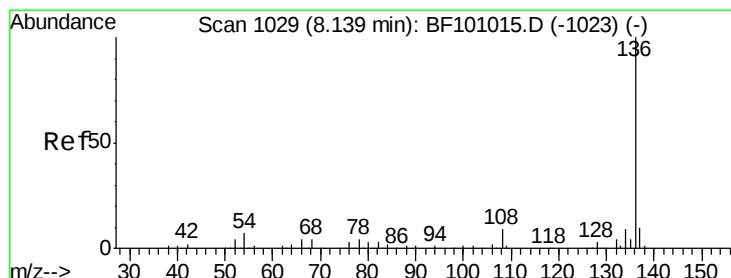
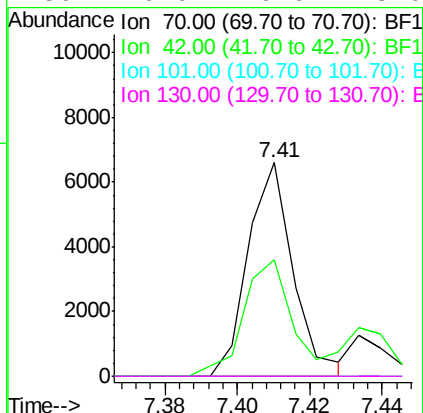
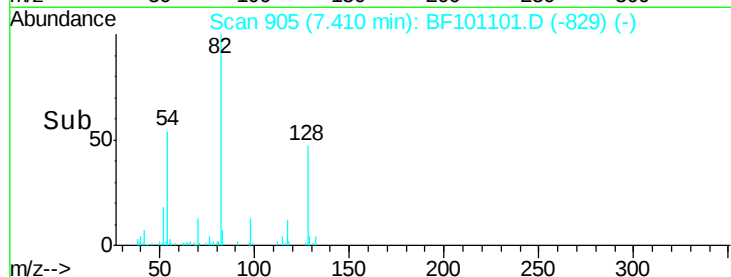
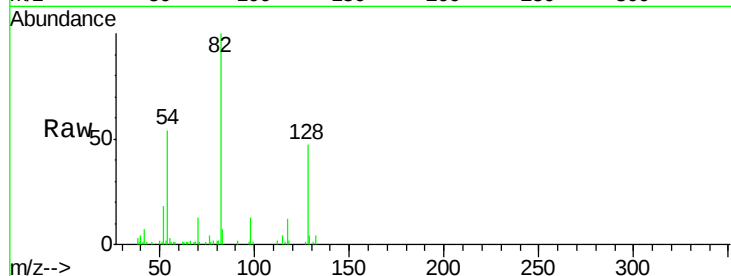




#19
n-Nitroso-di-n-propylamine
Concen: 2.49 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.15 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

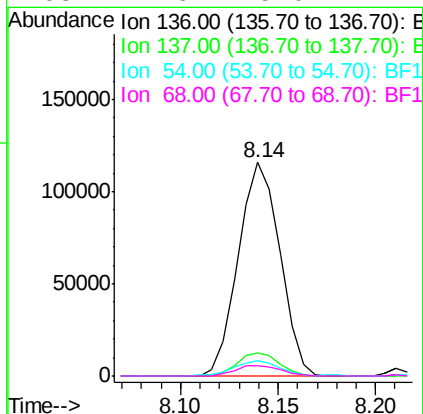
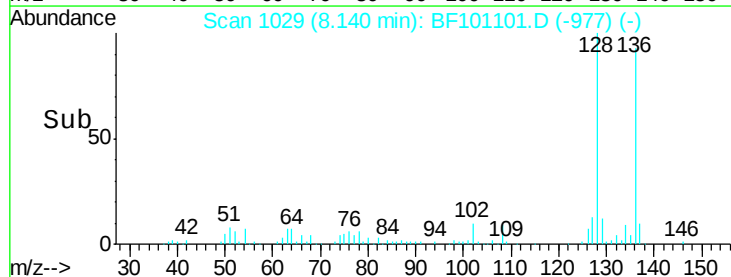
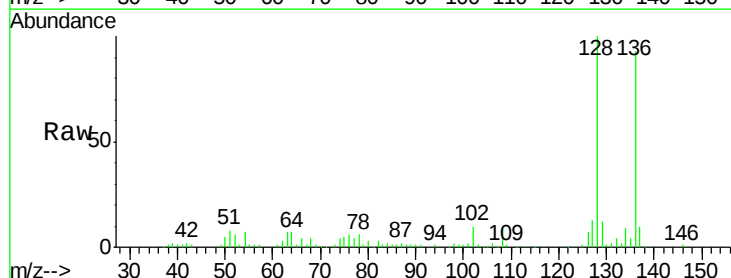
Instrument :
BNA_F
ClientSampleId :

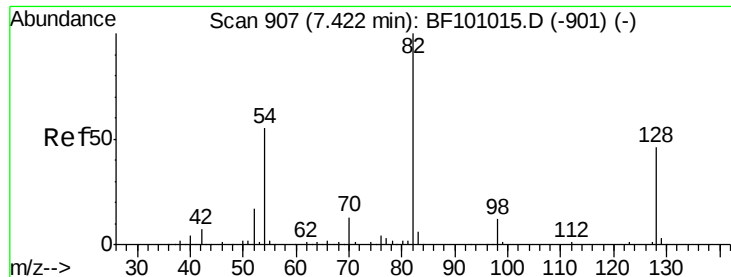
Tot Ion: 70 Resp: 5695
Ion Ratio Lower Upper
70 100
42 54.3 47.5 71.3
101 0.0 7.4 11.2#
130 0.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.01 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Tgt Ion: 136 Resp: 171402
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 7.2 6.6 9.8
68 4.6 5.0 7.4#

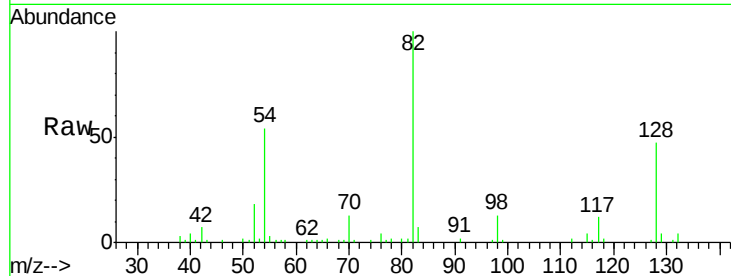




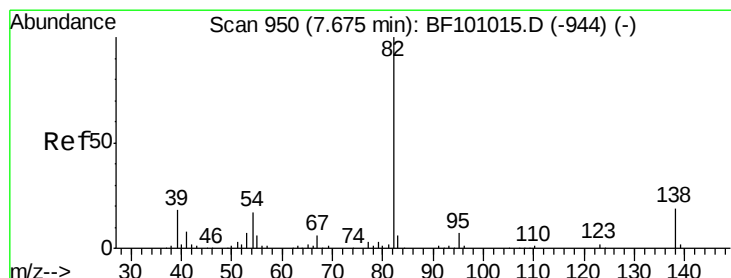
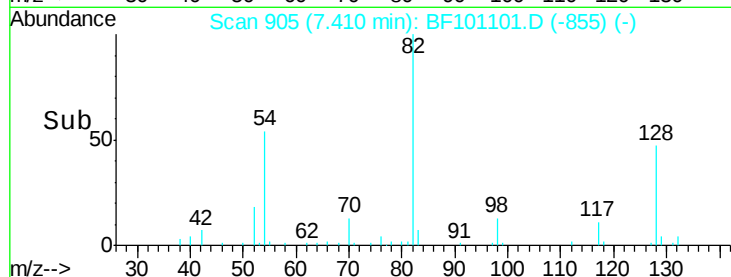
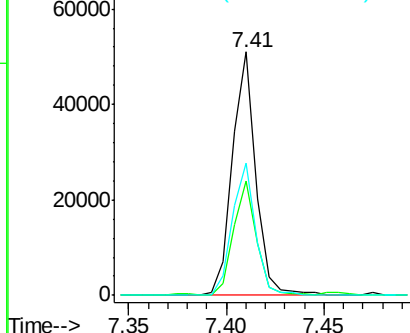
#23
Nitrobenzene-d5
Concen: 14.78 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 42462
Ion Ratio Lower Upper
82 100
128 46.8 36.1 54.1
54 54.5 41.4 62.2

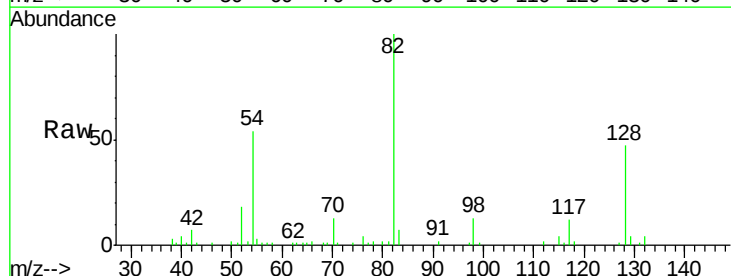


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

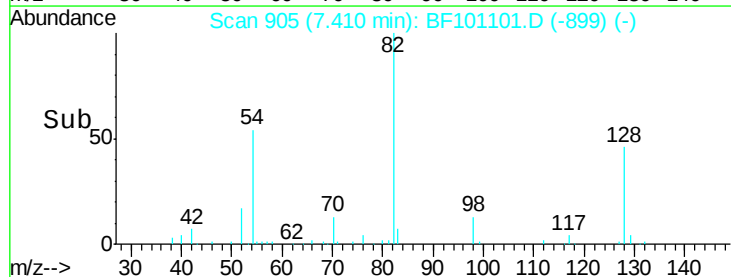
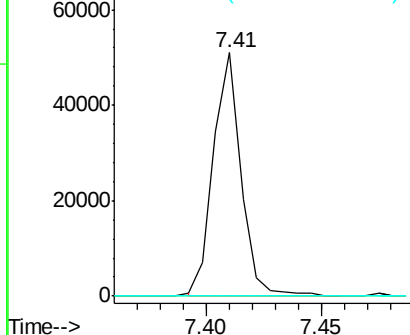


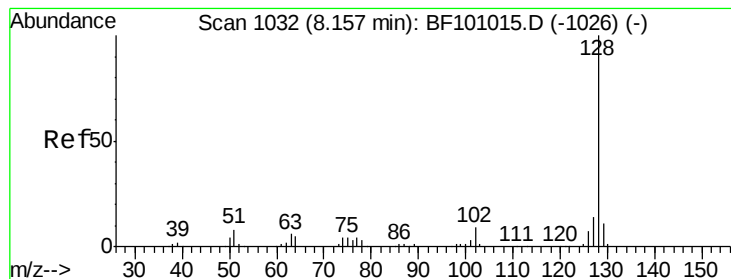
#25
Isophorone
Concen: 8.60 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.26 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Tgt Ion: 82 Resp: 42202
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1





#31

Naphthalene

Concen: 410.59 ng

RT: 8.18 min Scan# 1036

Delta R.T. 0.02 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

Instrument :

BNA_F

ClientSampleId :

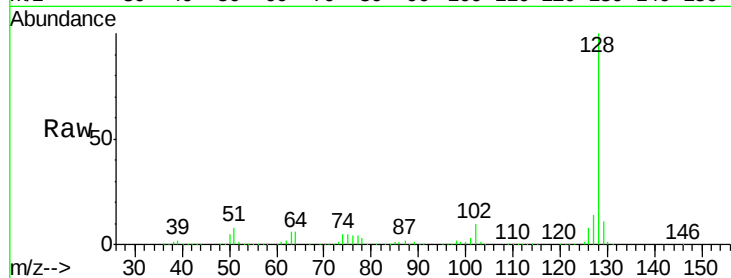
Tot Ion:128 Resp: 3468465

Ion Ratio Lower Upper

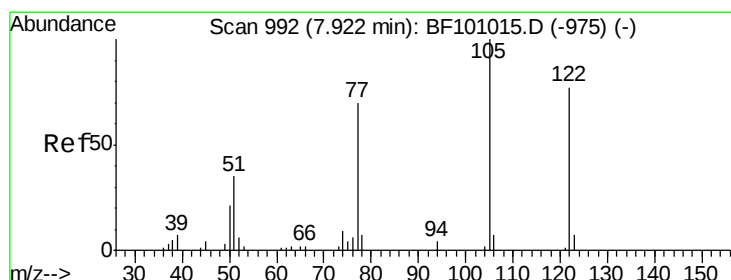
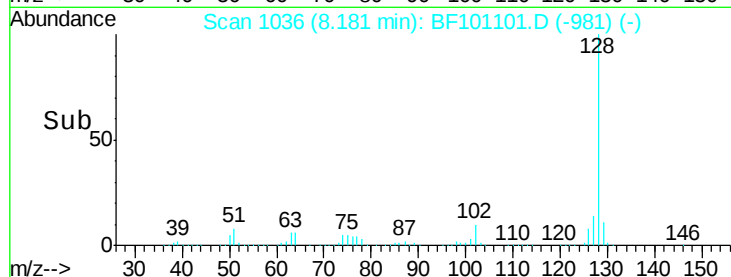
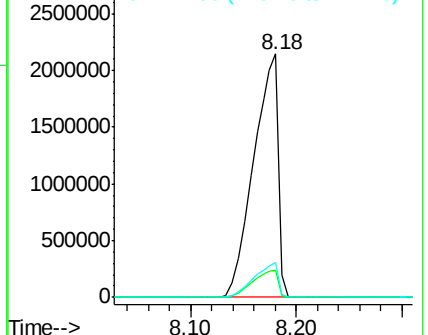
128 100

129 11.3 8.8 13.2

127 14.4 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 4.96 ng

RT: 8.18 min Scan# 1036

Delta R.T. 0.26 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

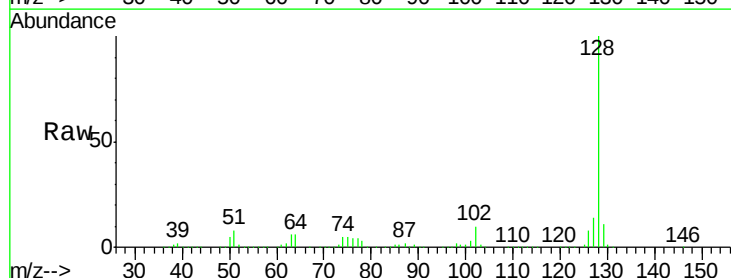
Tgt Ion:122 Resp: 8622

Ion Ratio Lower Upper

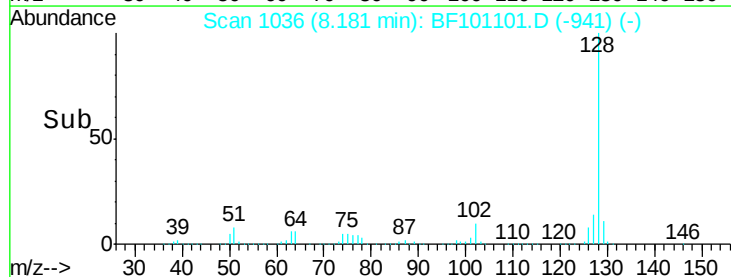
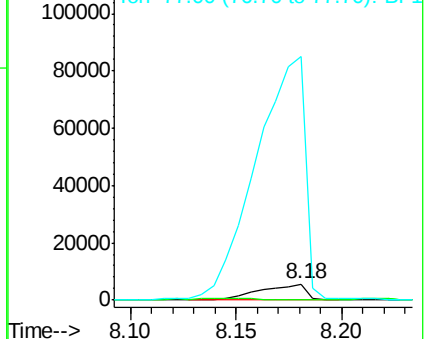
122 100

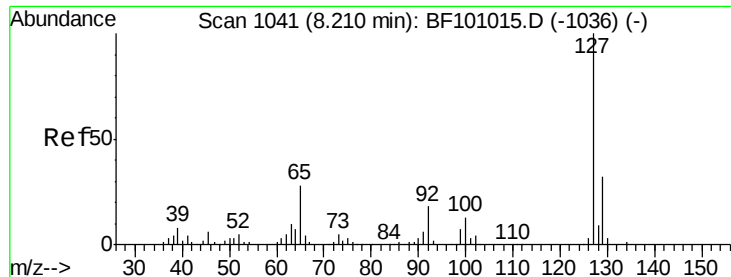
105 0.0 101.1 141.1#

77 1525.6 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

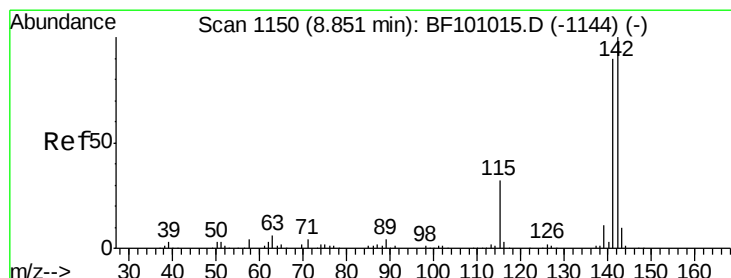
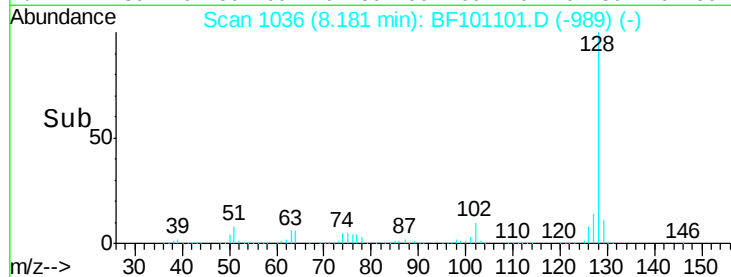
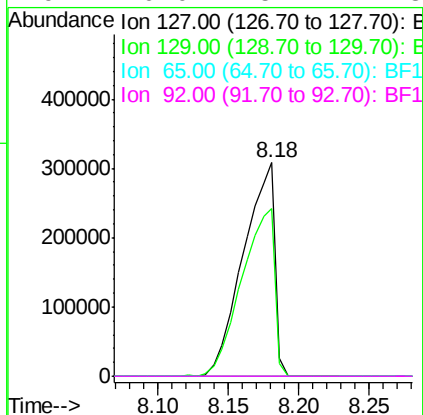
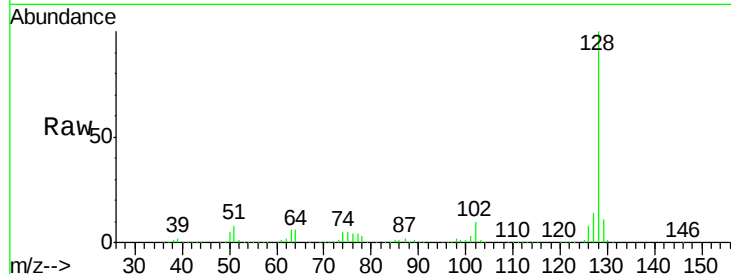




#33
 4-Chloroaniline
 Concen: 142.55 ng
 RT: 8.18 min Scan# 1036
 Delta R.T. -0.02 min
 Lab File: BF101101.D
 Acq: 4 Dec 2017 16:42

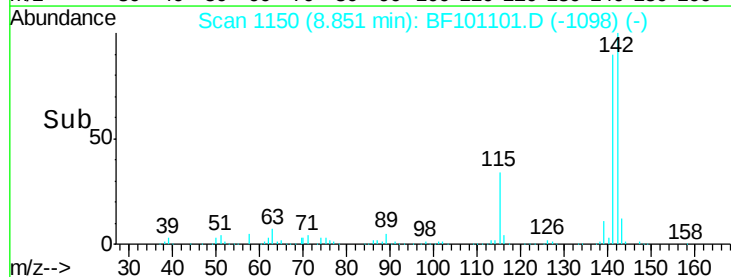
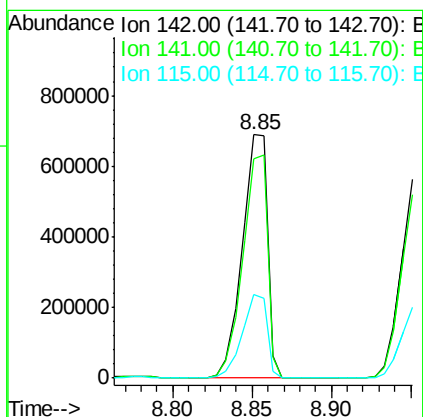
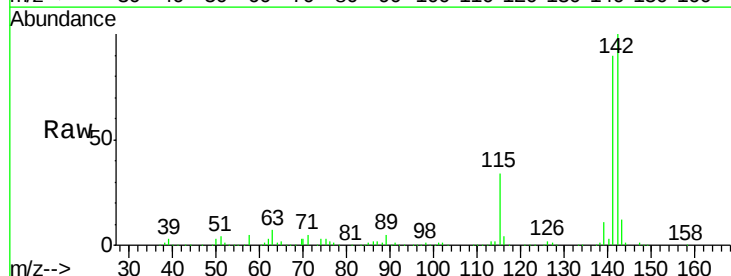
Instrument :
 BNA_F
 ClientSampleId :

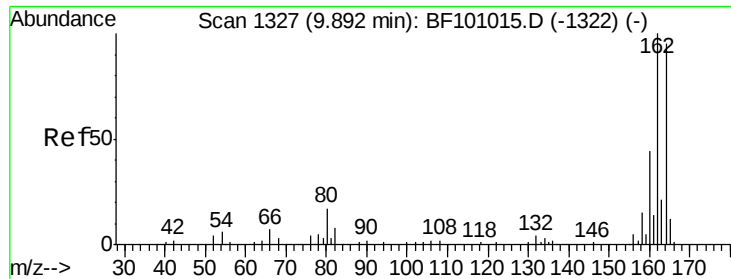
Tot Ion:	127	Resp:	483845
Ion	Ratio	Lower	Upper
127	100		
129	78.6	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#37
 2-Methylnaphthalene
 Concen: 131.52 ng
 RT: 8.85 min Scan# 1150
 Delta R.T. 0.01 min
 Lab File: BF101101.D
 Acq: 4 Dec 2017 16:42

Tgt Ion:	142	Resp:	754932
Ion	Ratio	Lower	Upper
142	100		
141	90.0	70.8	106.2
115	34.4	26.1	39.1

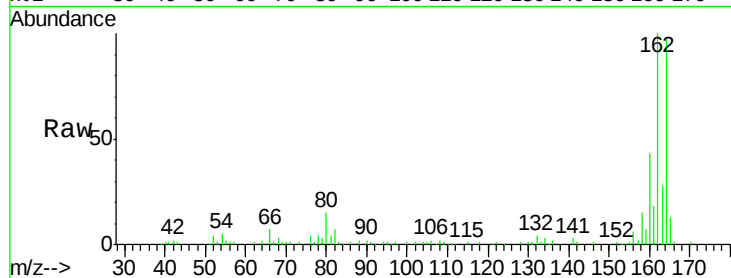




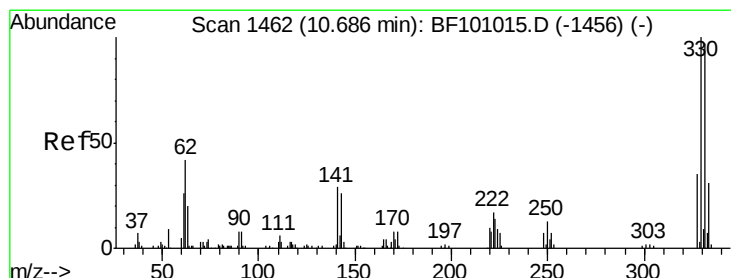
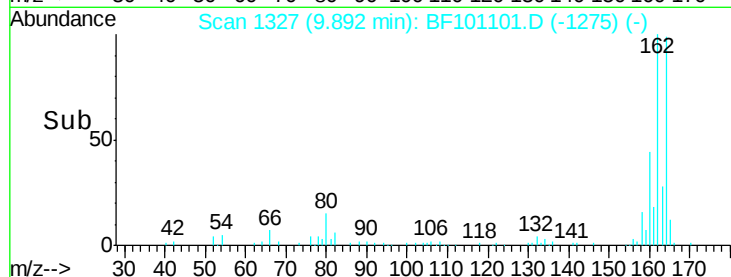
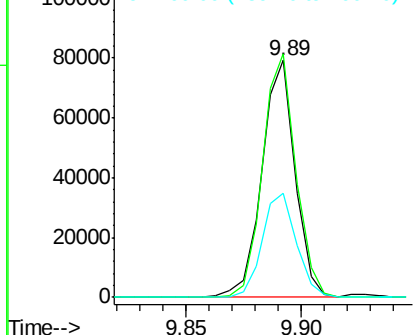
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: BF101101.D
 Acq: 4 Dec 2017 16:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 79138
 Ion Ratio Lower Upper
 164 100
 162 102.7 86.1 129.1
 160 44.1 38.3 57.5

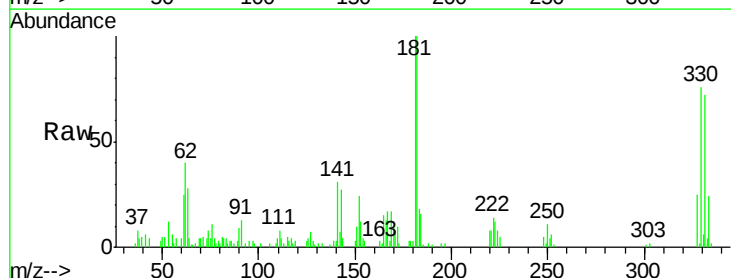


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

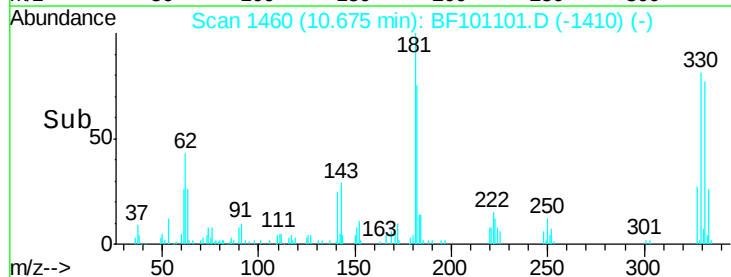
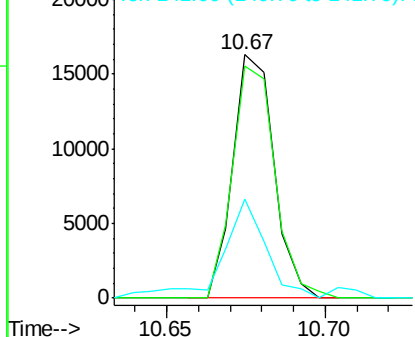


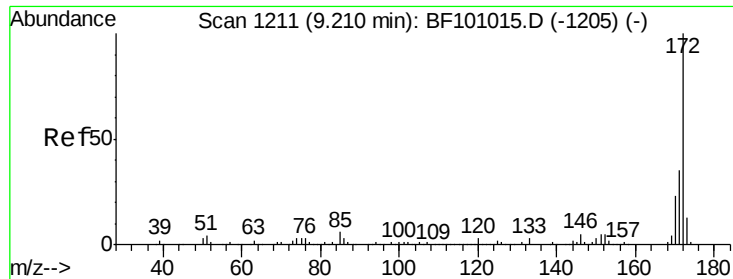
#41
 2,4,6-Tribromophenol
 Concen: 15.38 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF101101.D
 Acq: 4 Dec 2017 16:42

Tgt Ion:330 Resp: 14621
 Ion Ratio Lower Upper
 330 100
 332 99.2 77.0 115.6
 141 43.4 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

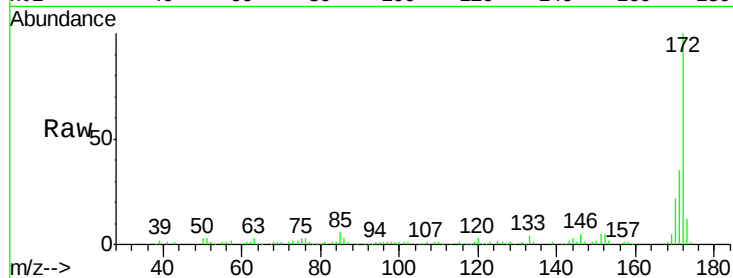




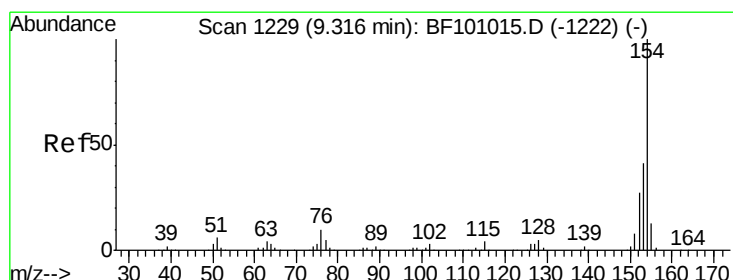
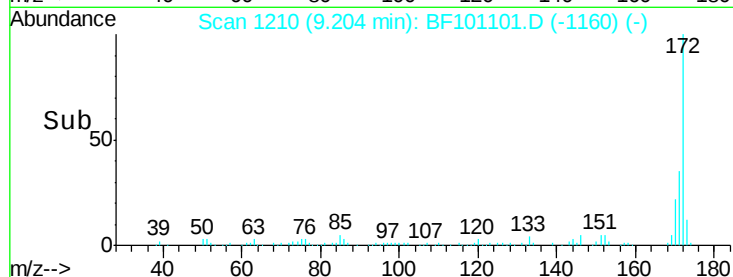
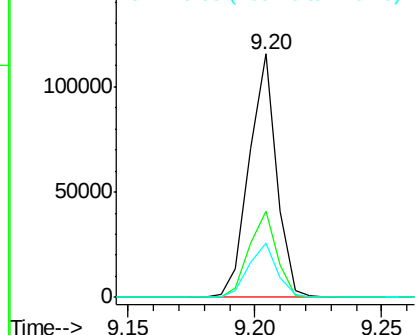
#44
2-Fluorobiphenyl
Concen: 15.03 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 86924
Ion Ratio Lower Upper
172 100
171 35.3 29.7 44.5
170 22.4 19.6 29.4

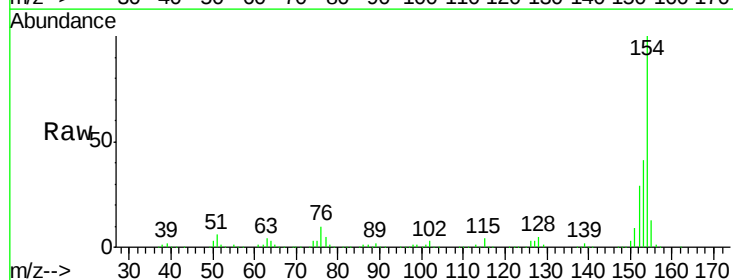


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

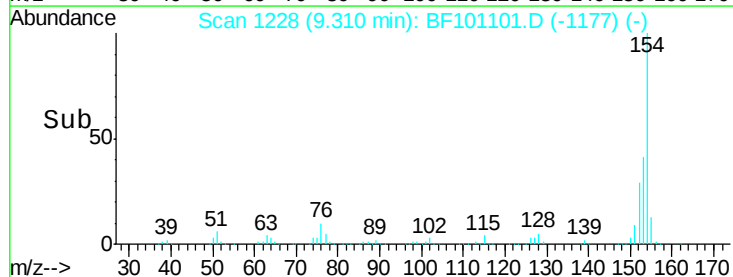
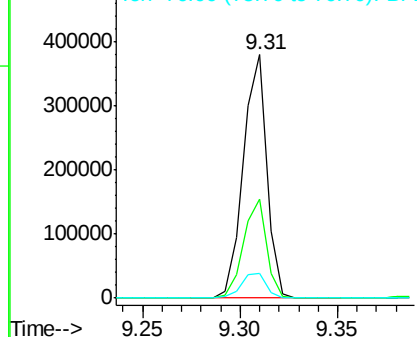


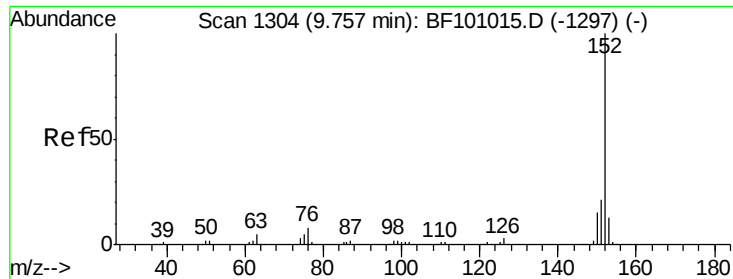
#45
1,1'-Biphenyl
Concen: 43.67 ng
RT: 9.31 min Scan# 1228
Delta R.T. 0.00 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Tgt Ion:154 Resp: 316606
Ion Ratio Lower Upper
154 100
153 40.6 21.3 61.3
76 10.3 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: 26.23 ng

RT: 9.75 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

Instrument :

BNA_F

ClientSampleId :

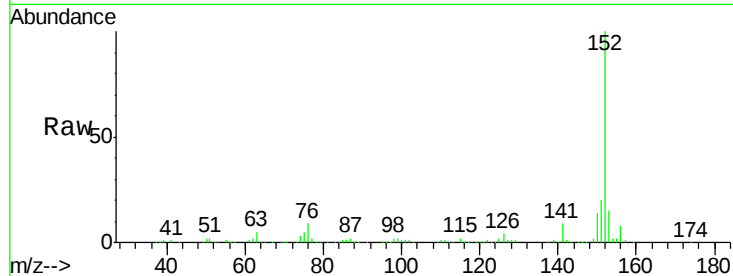
Tot Ion:152 Resp: 221958

Ion Ratio Lower Upper

152 100

151 20.0 16.3 24.5

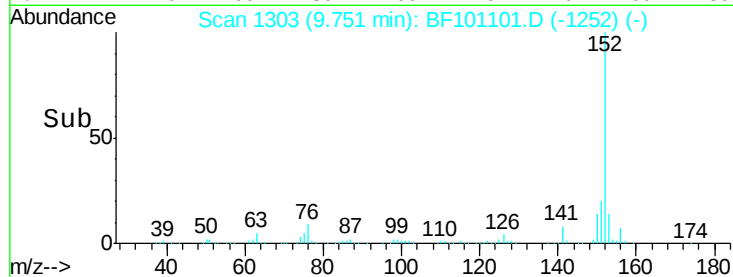
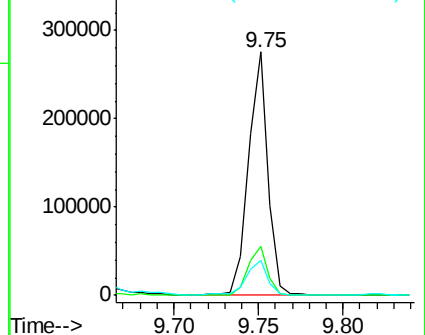
153 14.5 10.7 16.1



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



#50

2,6-Dinitrotoluene

Concen: 2.03 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.10 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

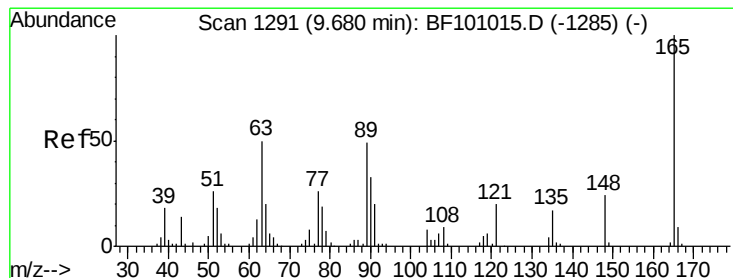
Tgt Ion:165 Resp: 2725

Ion Ratio Lower Upper

165 100

63 228.5 44.7 67.1#

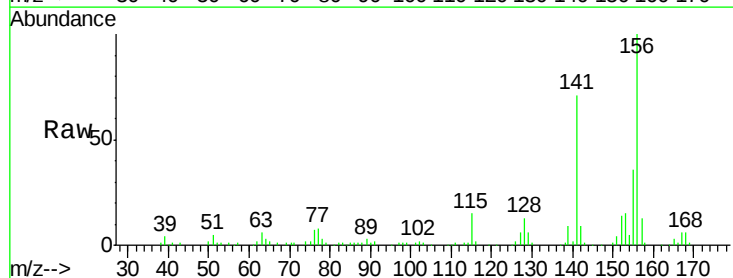
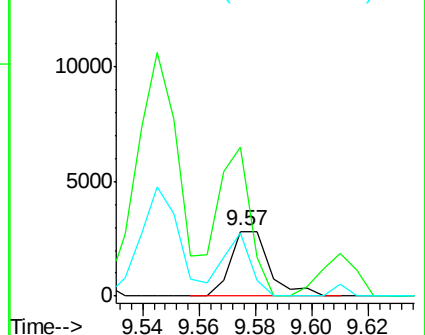
89 97.5 44.0 66.0#

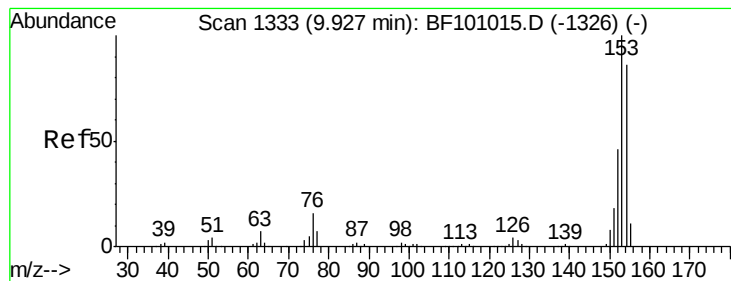


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 181.06 ng

RT: 9.93 min Scan# 1334

Delta R.T. 0.01 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

Instrument :

BNA_F

ClientSampleId :

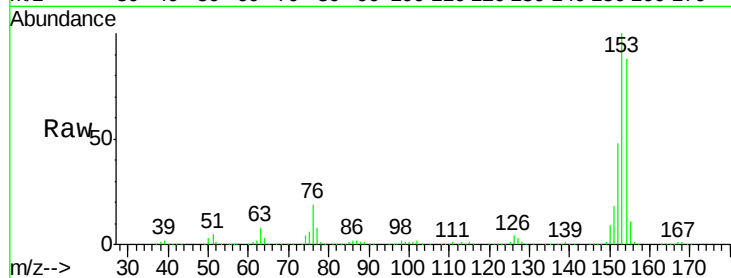
Tot Ion:154 Resp: 917460

Ion Ratio Lower Upper

154 100

153 114.0 91.2 136.8

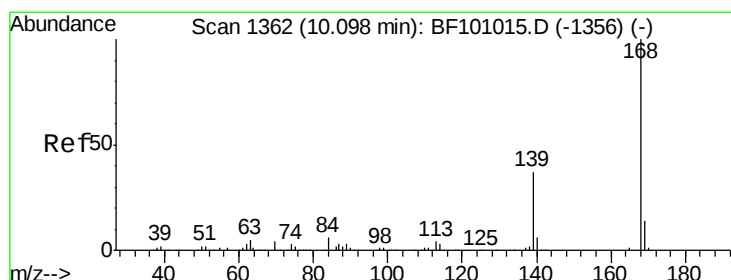
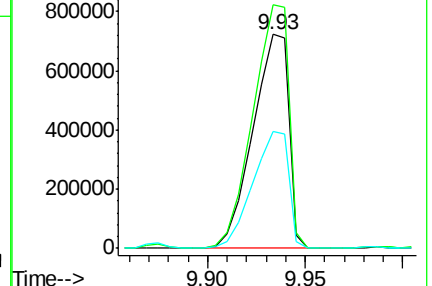
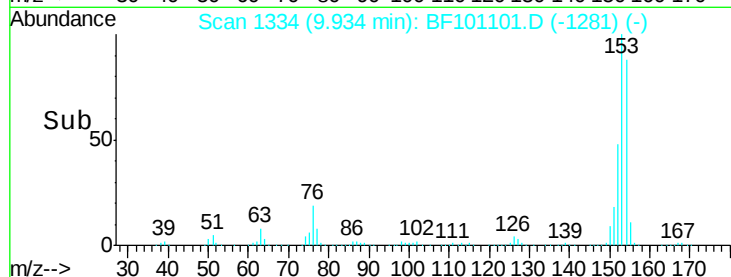
152 54.5 43.8 65.8



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



#54

Dibenzofuran

Concen: 11.31 ng

RT: 10.09 min Scan# 1361

Delta R.T. 0.00 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

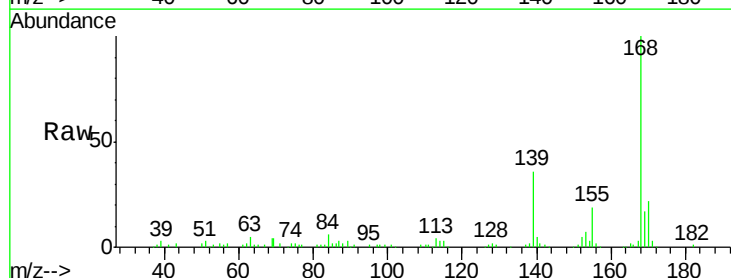
Tgt Ion:168 Resp: 82552

Ion Ratio Lower Upper

168 100

139 35.8 30.1 45.1

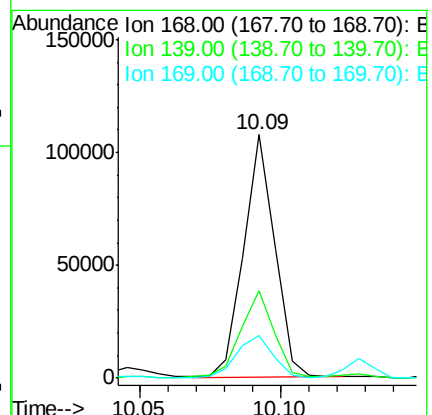
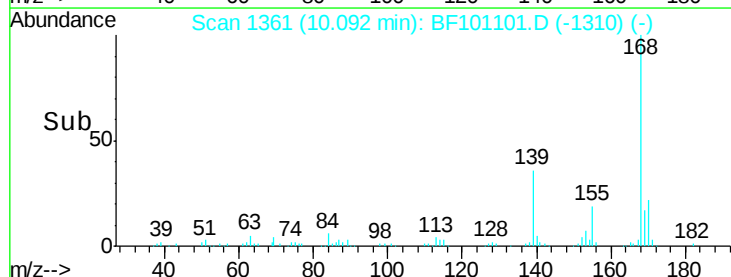
169 17.4 10.9 16.3#

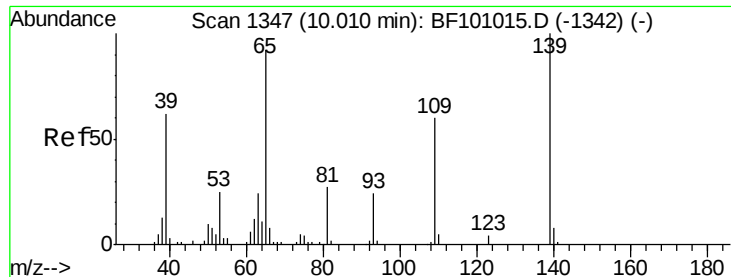


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 3.32 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.02 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

Instrument :

BNA_F

ClientSampleId :

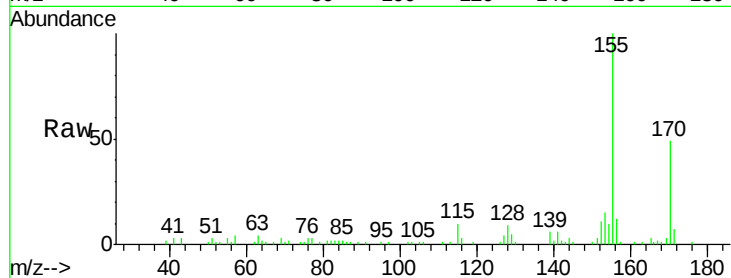
Tot Ion:139 Resp: 3380

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

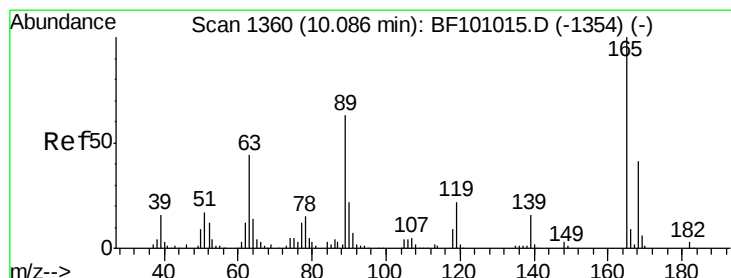
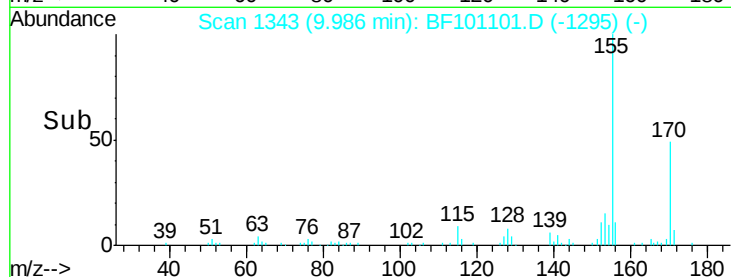
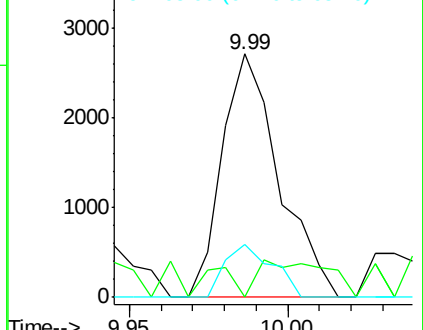
65 21.5 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 2.45 ng

RT: 10.06 min Scan# 1355

Delta R.T. -0.02 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

Tgt Ion:165 Resp: 4409

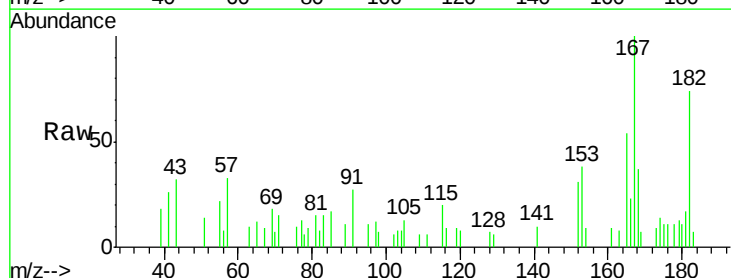
Ion Ratio Lower Upper

165 100

63 18.0 36.4 54.6#

89 20.7 57.8 86.6#

182 137.5 1.6 2.4#

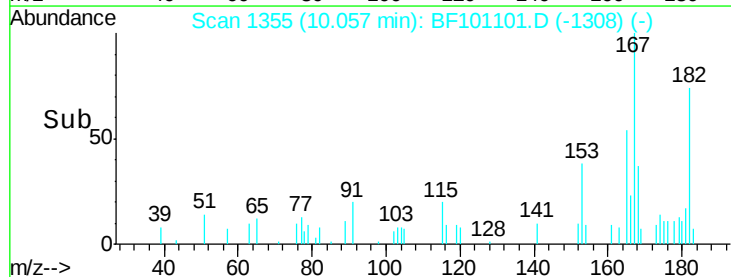
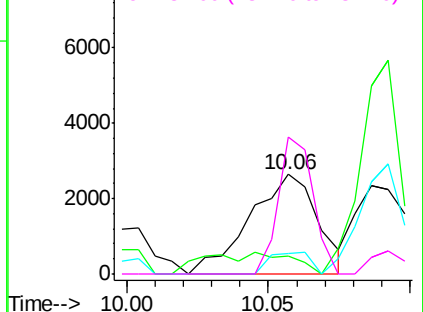


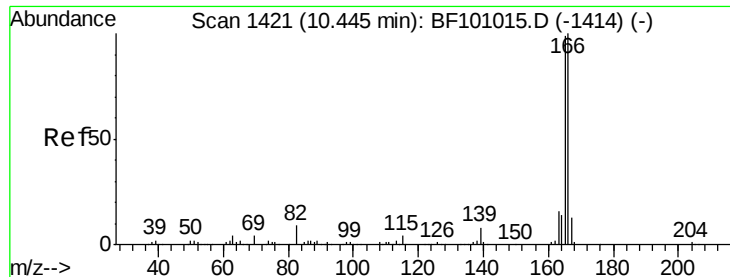
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 82.48 ng

RT: 10.45 min Scan# 1421

Delta R.T. 0.01 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

Instrument :

BNA_F

ClientSampleId :

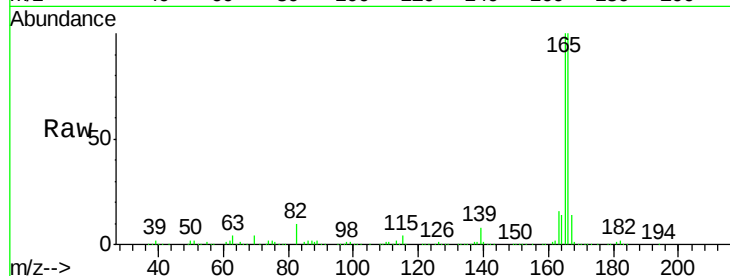
Tot Ion:166 Resp: 489622

Ion Ratio Lower Upper

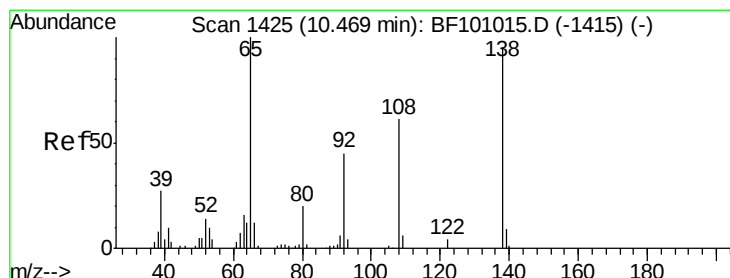
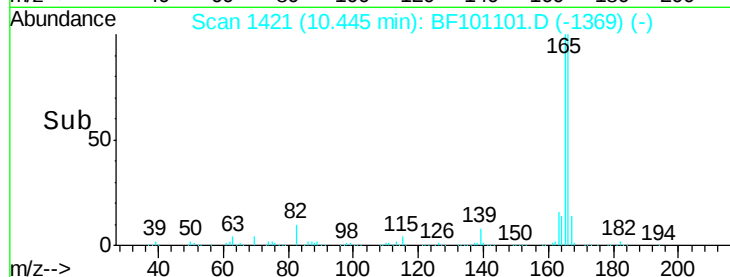
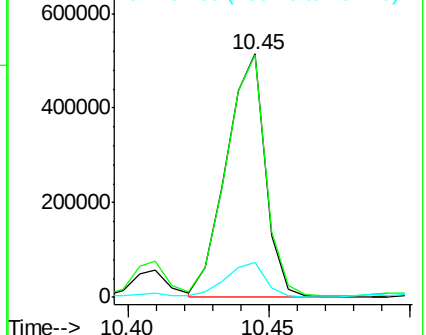
166 100

165 99.6 79.8 119.8

167 14.2 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



#61

4-Nitroaniline

Concen: 3.23 ng

RT: 10.45 min Scan# 1421

Delta R.T. -0.02 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

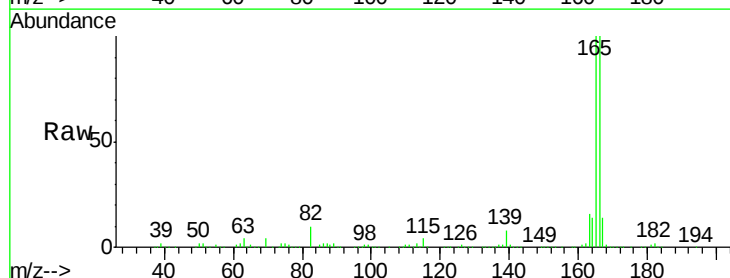
Tgt Ion:138 Resp: 5074

Ion Ratio Lower Upper

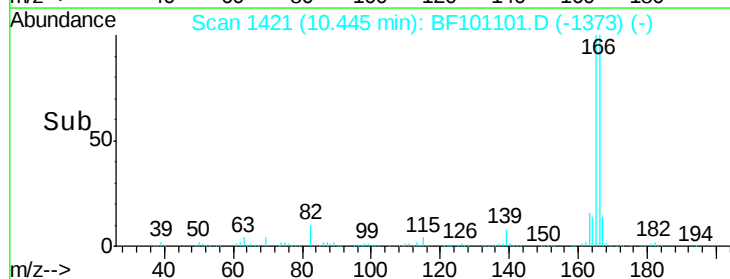
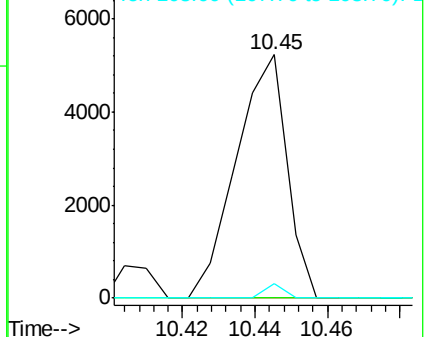
138 100

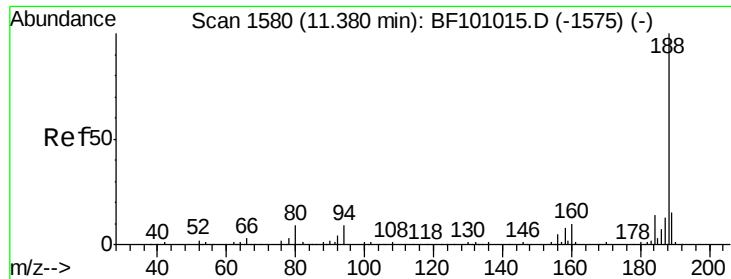
92 0.0 30.2 70.2#

108 6.1 52.5 92.5#



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

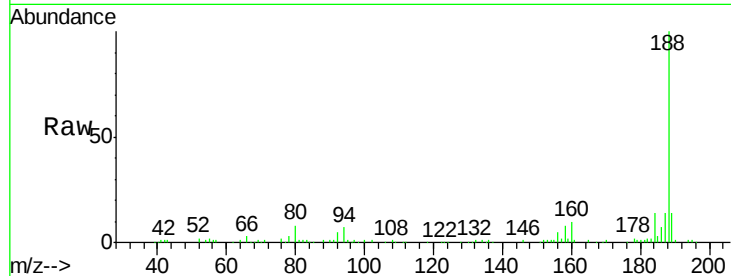




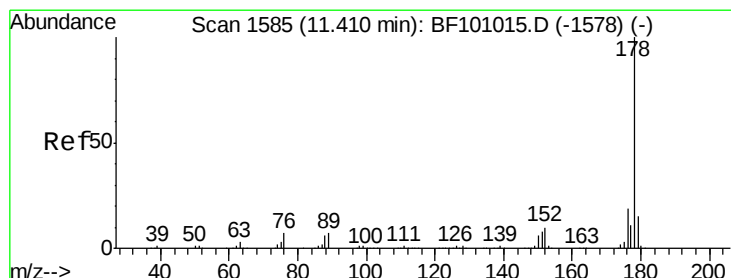
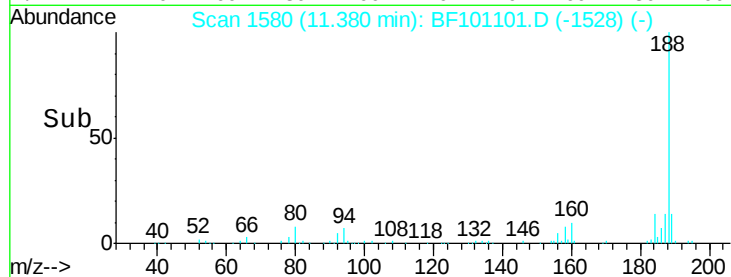
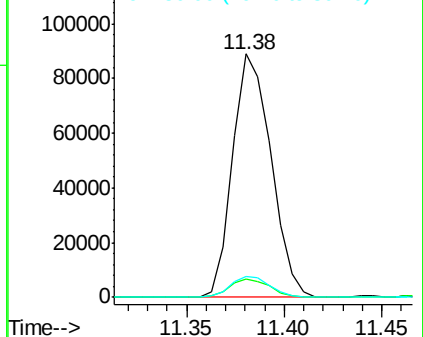
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.01 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 121300
Ion Ratio Lower Upper
188 100
94 7.3 8.5 12.7#
80 8.4 9.2 13.8#

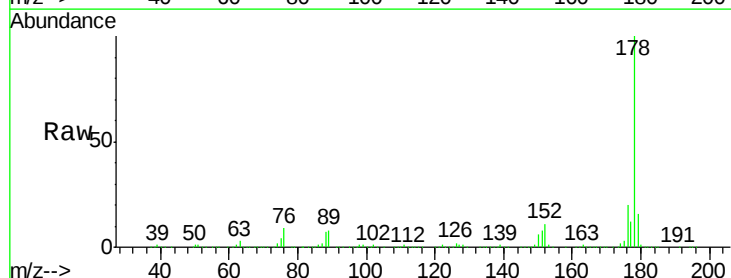


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

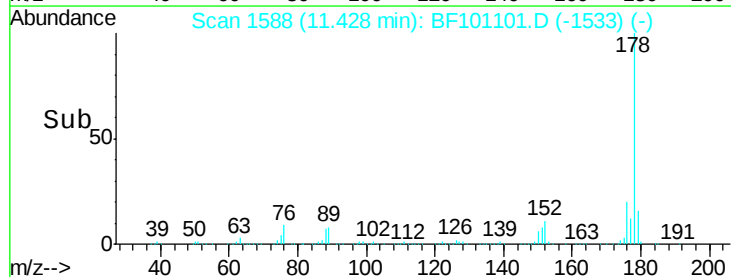
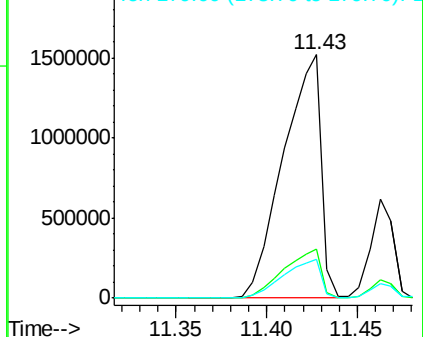


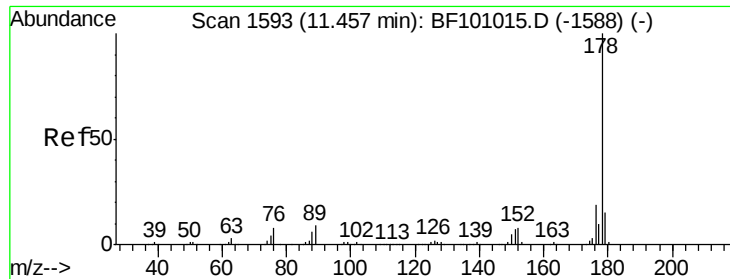
#70
Phenanthrene
Concen: 333.75 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.02 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Tgt Ion:178 Resp: 2229460
Ion Ratio Lower Upper
178 100
176 20.1 15.8 23.8
179 15.8 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

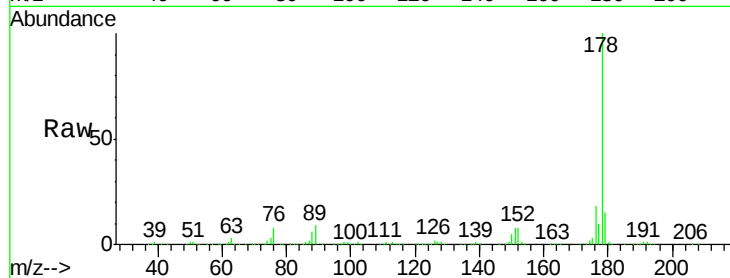




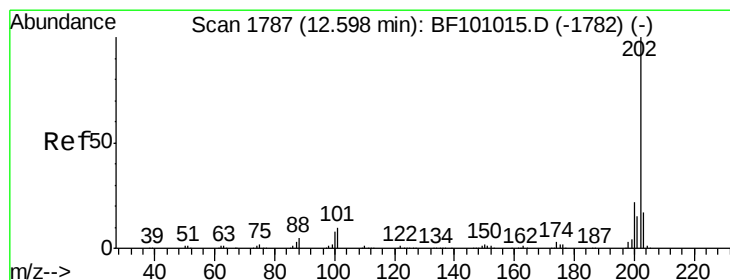
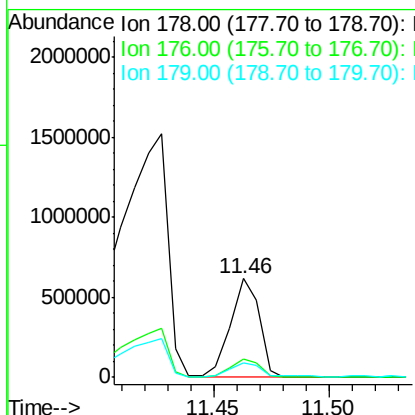
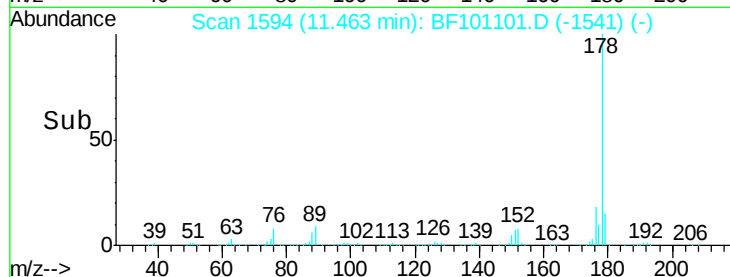
#71
 Anthracene
 Concen: 79.54 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. 0.01 min
 Lab File: BF101101.D
 Acq: 4 Dec 2017 16:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 537718
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.4 23.2
 179 14.9 12.6 19.0

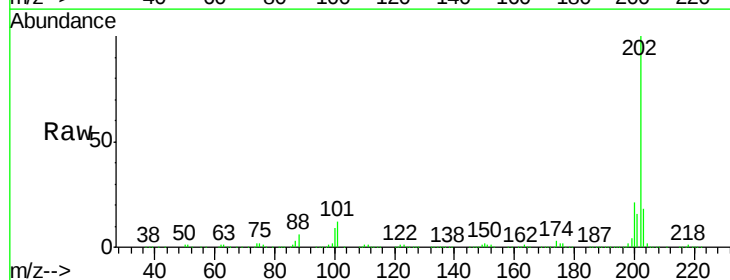


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

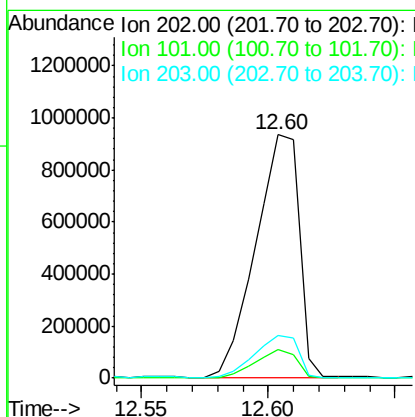
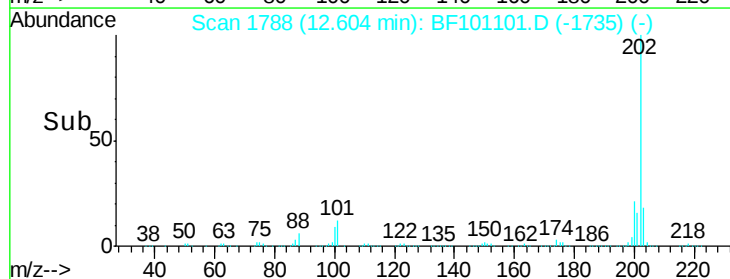


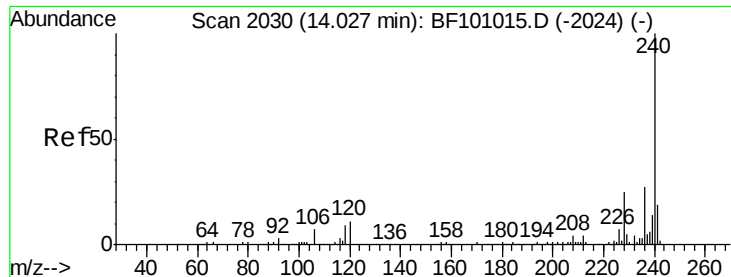
#74
 Fluoranthene
 Concen: 150.00 ng
 RT: 12.60 min Scan# 1788
 Delta R.T. 0.01 min
 Lab File: BF101101.D
 Acq: 4 Dec 2017 16:42

Tgt Ion:202 Resp: 1110723
 Ion Ratio Lower Upper
 202 100
 101 11.7 0.0 34.1
 203 17.7 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: 20.00 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.01 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

Instrument :

BNA_F

ClientSampleId :

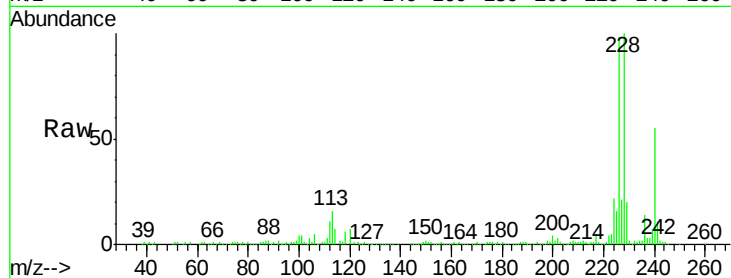
Tot Ion:240 Resp: 102900

Ion Ratio Lower Upper

240 100

120 12.4 9.5 14.3

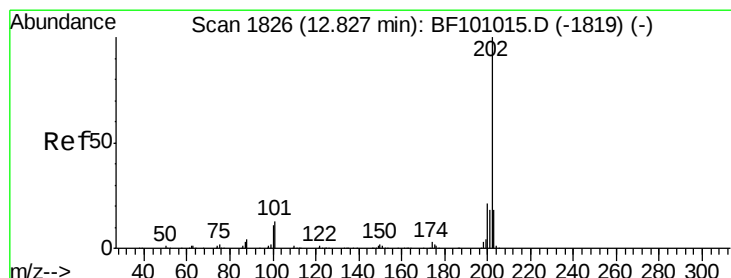
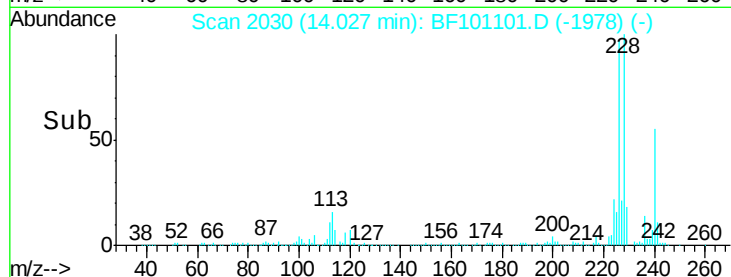
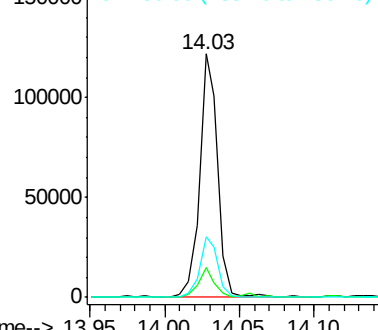
236 24.9 20.7 31.1



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: 207.00 ng

RT: 12.85 min Scan# 1829

Delta R.T. 0.02 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

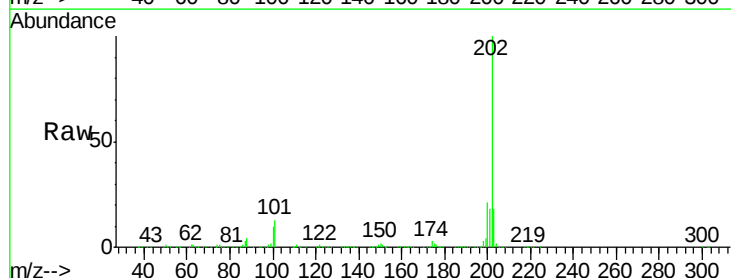
Tgt Ion:202 Resp: 1469778

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

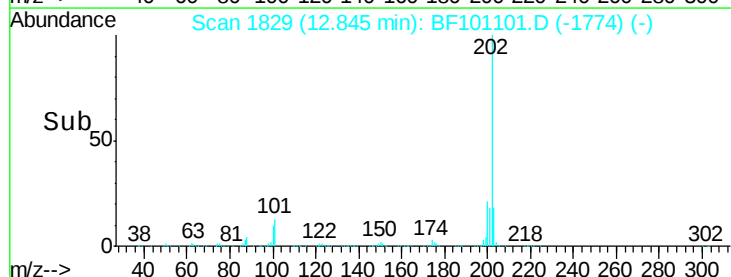
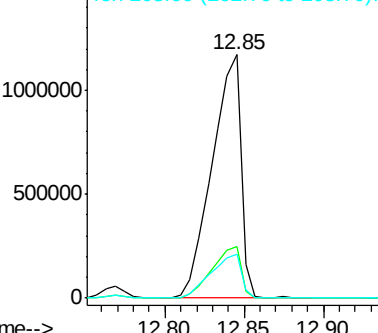
203 17.9 14.3 21.5

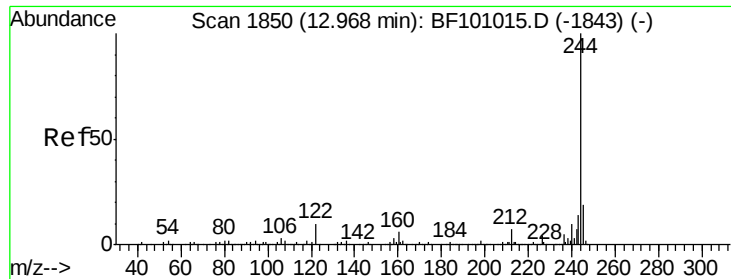


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

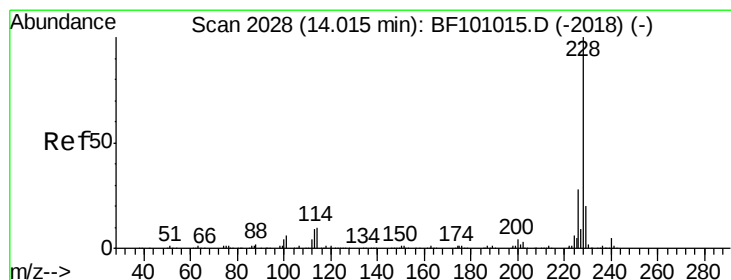
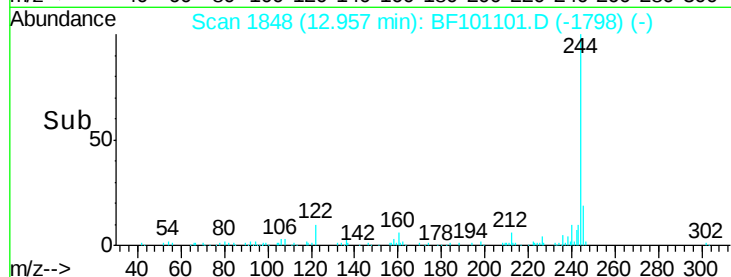
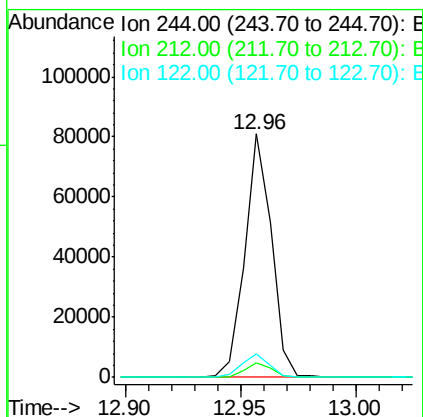
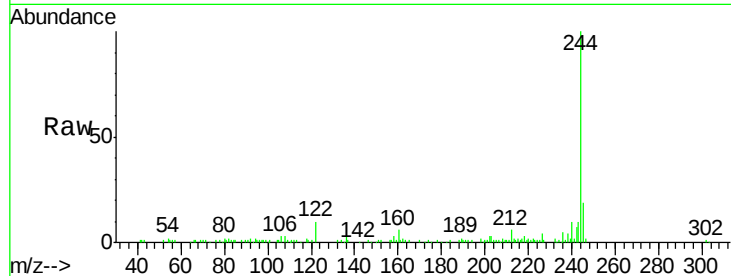




#78
 Terphenyl-d14
 Concen: 13.87 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF101101.D
 Acq: 4 Dec 2017 16:42

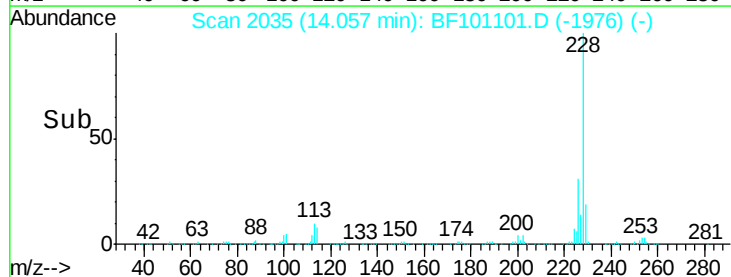
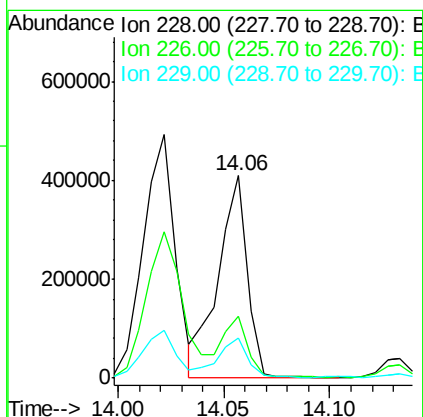
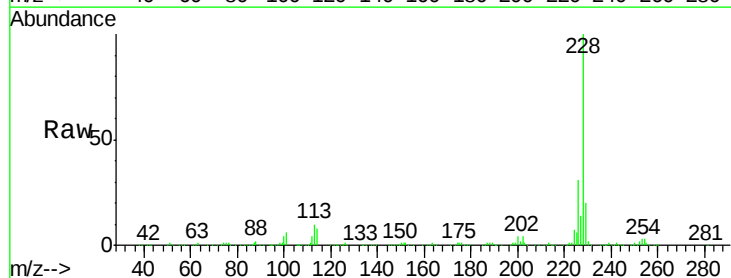
Instrument :
 BNA_F
 ClientSampleID :

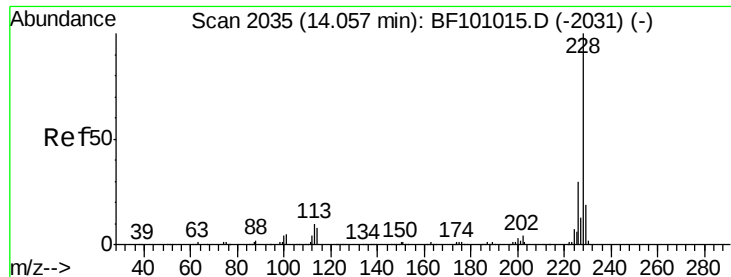
Tot Ion:244 Resp: 65244
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.4 8.0
 122 9.6 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 59.96 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. 0.05 min
 Lab File: BF101101.D
 Acq: 4 Dec 2017 16:42

Tgt Ion:228 Resp: 389557
 Ion Ratio Lower Upper
 228 100
 226 30.8 22.6 33.8
 229 19.8 15.8 23.6





#82

Chrysene

Concen: 64.56 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

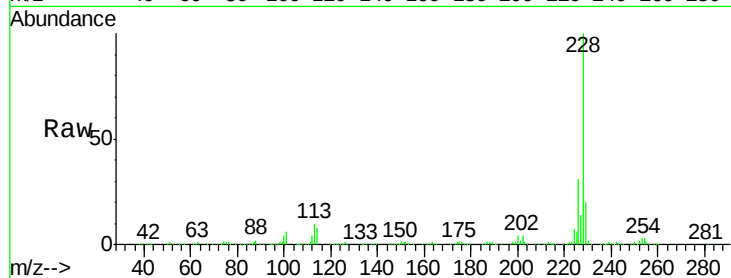
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 389557

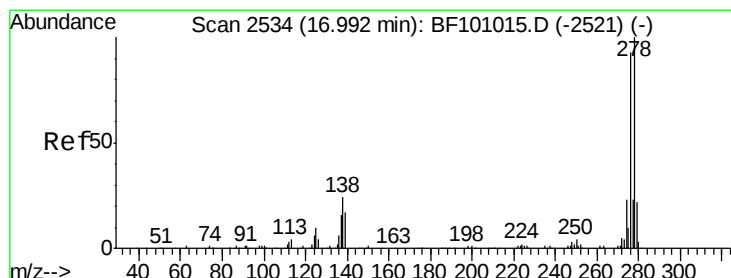
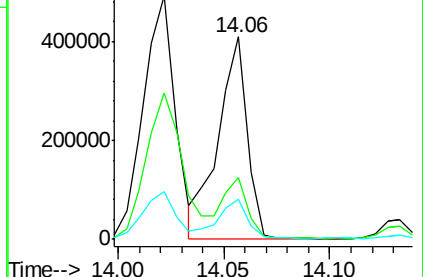
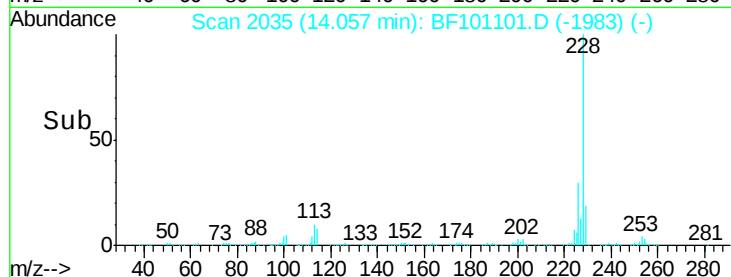
Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	19.8	16.2	24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 30.38 ng

RT: 16.99 min Scan# 2534

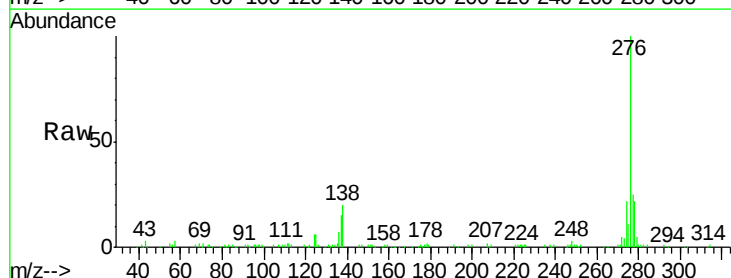
Delta R.T. 0.02 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

Tgt Ion:276 Resp: 162980

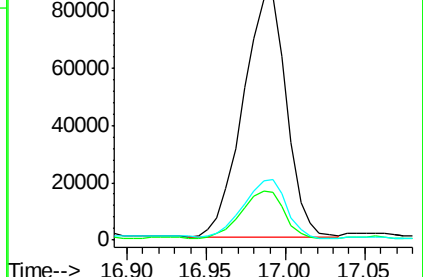
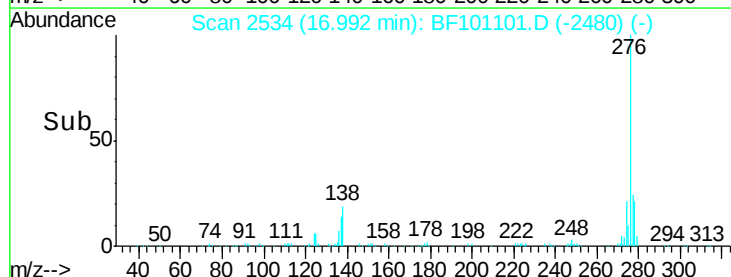
Ion	Ratio	Lower	Upper
276	100		
138	19.9	25.0	37.6#
277	24.0	20.1	30.1

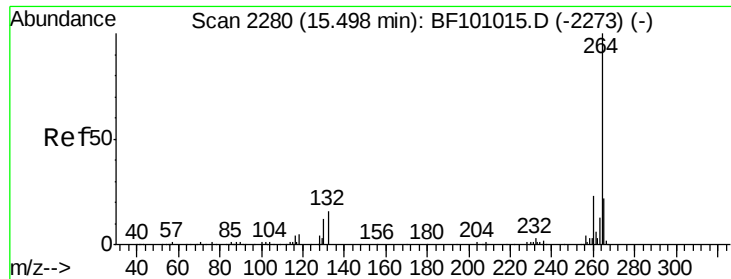


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

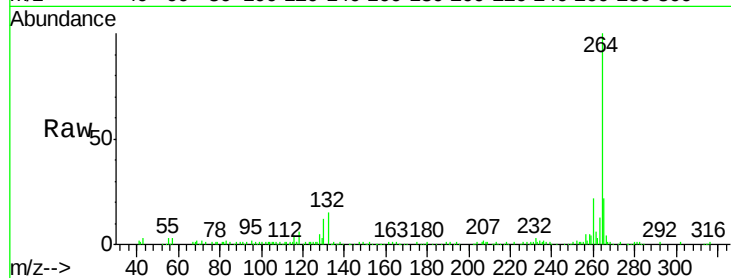




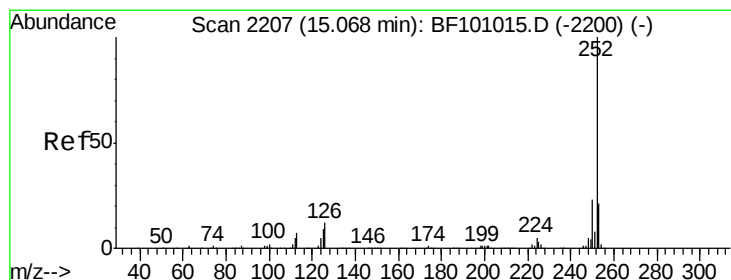
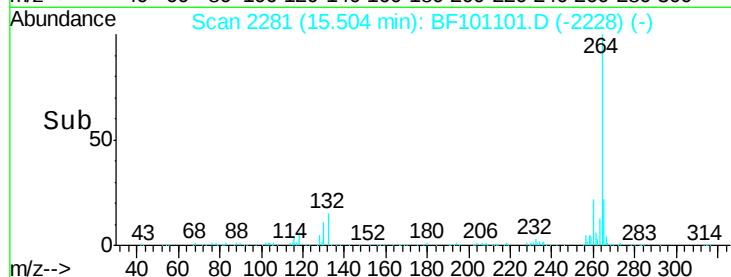
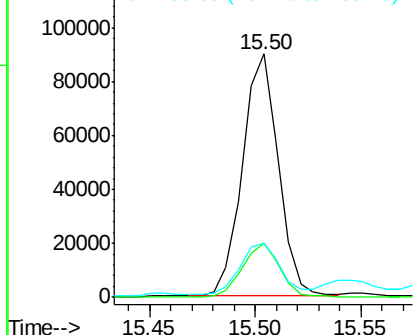
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 106481
Ion Ratio Lower Upper
264 100
260 22.3 19.2 28.8
265 22.0 17.5 26.3

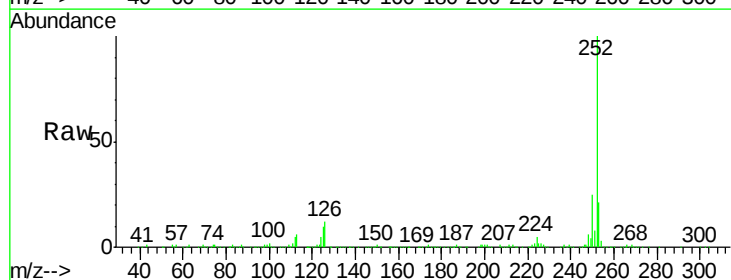


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

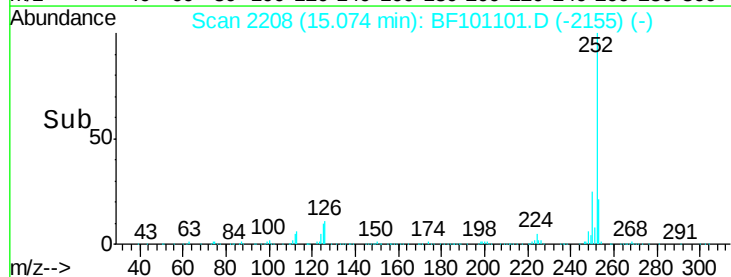
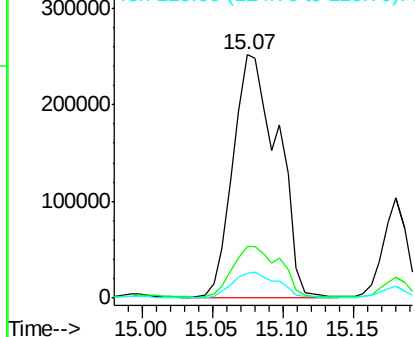


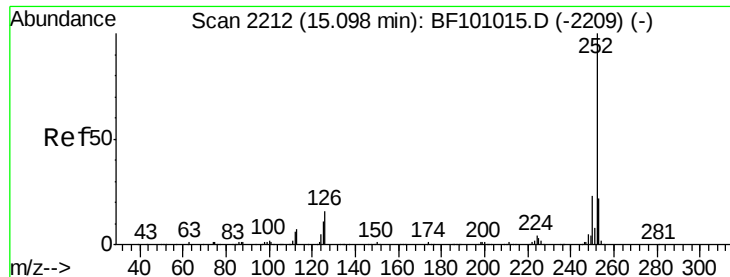
#87
Benzo(b)fluoranthene
Concen: 86.82 ng
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Tgt Ion:252 Resp: 553711
Ion Ratio Lower Upper
252 100
253 21.5 17.0 25.6
125 10.3 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

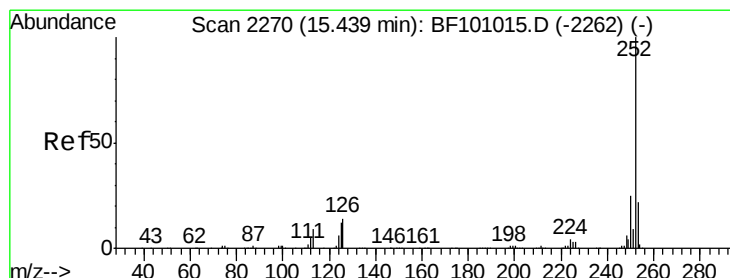
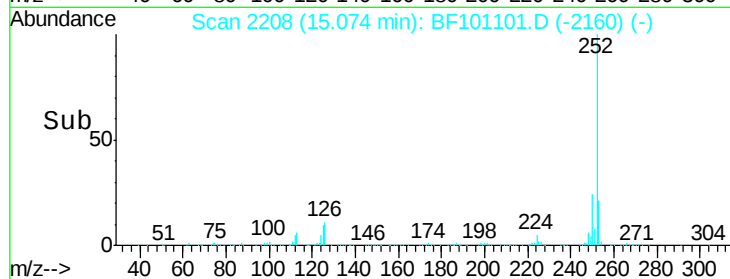
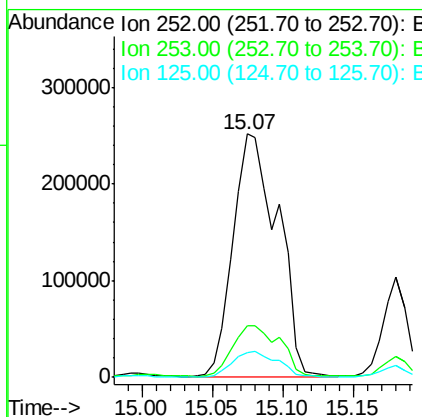
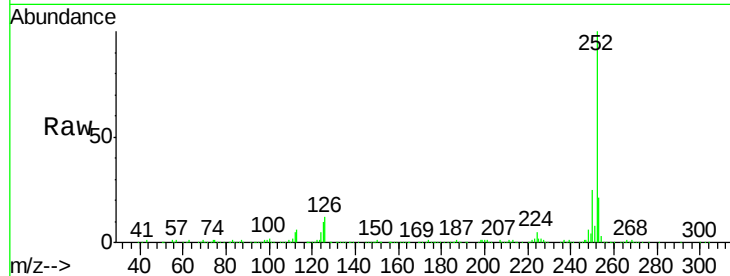




#88
Benzo(k)fluoranthene
Concen: 88.12 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

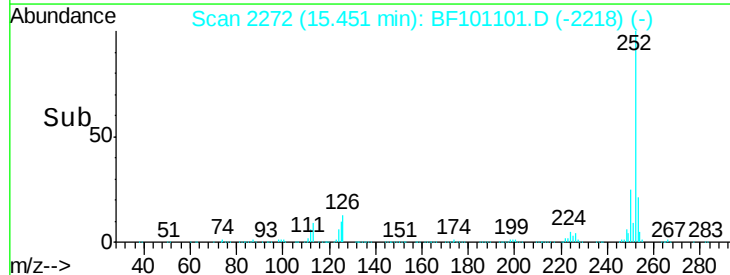
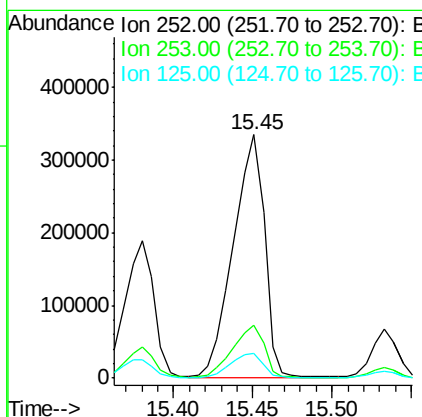
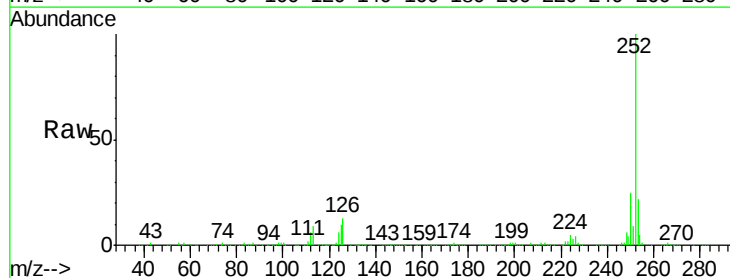
Instrument :
BNA_F
ClientSampleId :

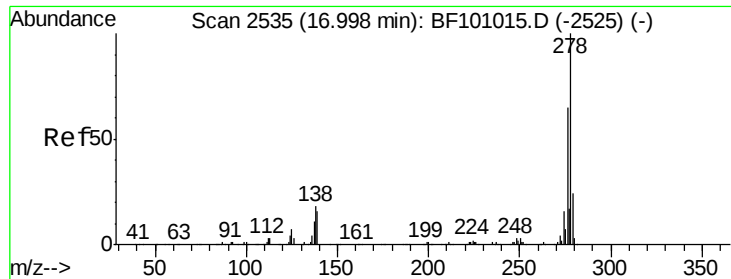
Tot Ion:252 Resp: 553711
Ion Ratio Lower Upper
252 100
253 21.5 17.9 26.9
125 10.3 10.2 15.2



#89
Benzo(a)pyrene
Concen: 78.47 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.02 min
Lab File: BF101101.D
Acq: 4 Dec 2017 16:42

Tgt Ion:252 Resp: 455022
Ion Ratio Lower Upper
252 100
253 21.8 17.1 25.7
125 10.1 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.73 ng

RT: 17.06 min Scan# 2545

Delta R.T. 0.07 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

Instrument :

BNA_F

ClientSampleId :

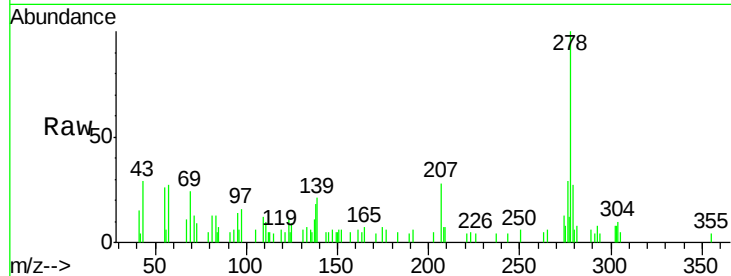
Tot Ion:278 Resp: 13961

Ion Ratio Lower Upper

278 100

139 21.2 15.9 23.9

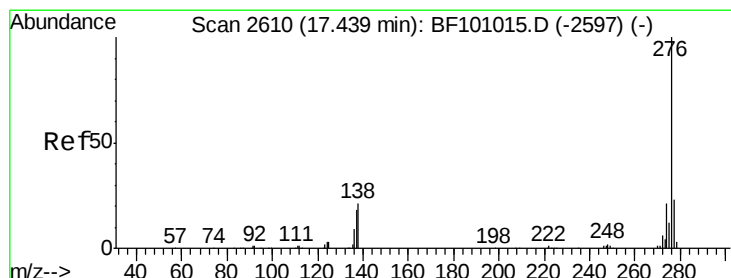
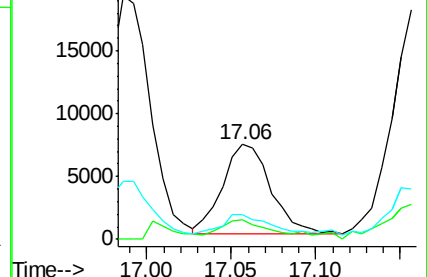
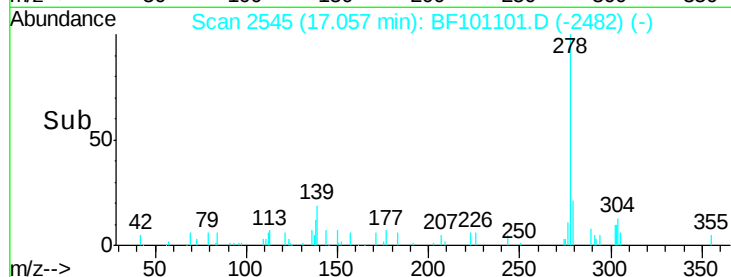
279 26.7 19.0 28.4



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: 17.40 ng

RT: 17.68 min Scan# 2651

Delta R.T. 0.25 min

Lab File: BF101101.D

Acq: 4 Dec 2017 16:42

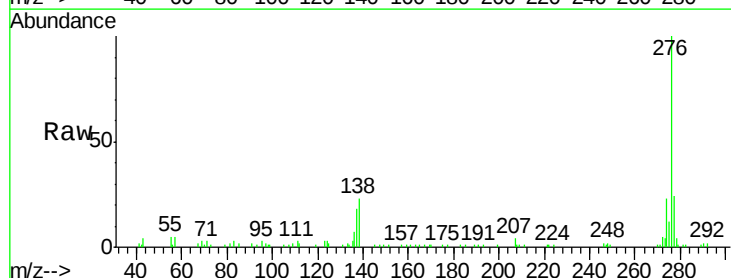
Tgt Ion:276 Resp: 83844

Ion Ratio Lower Upper

276 100

277 24.4 17.9 26.9

138 22.6 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

